

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100522\  
 Data File : BF130532.D  
 Acq On : 05 Oct 2022 16:32  
 Operator : CG\JU  
 Sample : N4960-01MS 5X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PAT-01-100322MS

Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 10/06/2022  
 Supervised By :mohammad ahmed 10/14/2022

Quant Time: Oct 06 01:11:15 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 06 01:07:05 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.634  | 152  | 79732    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 7.916  | 136  | 298231   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.663  | 164  | 134825   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.145 | 188  | 196425   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.774 | 240  | 188106   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.163 | 264  | 172537   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.234  | 112  | 91680    | 19.944 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.275  | 99   | 116873   | 20.319 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.192  | 82   | 74736    | 12.803 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.451 | 330  | 22553    | 17.457 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 8.986  | 172  | 135051   | 14.586 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.727 | 244  | 117780   | 10.372 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.222  | 88   | 17801    | 8.432  | ng    | # 95     |
| 3) Pyridine                   | 2.922  | 79   | 37114    | 6.739  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 2.846  | 42   | 23561    | 7.866  | ng    | # 97     |
| 6) Aniline                    | 6.293  | 93   | 32764    | 4.623  | ng    | # 32     |
| 8) 2-Chlorophenol             | 6.416  | 128  | 52230    | 9.974  | ng    | 95       |
| 9) Benzaldehyde               | 6.181  | 77   | 27637    | 7.173  | ng    | 95       |
| 10) Phenol                    | 6.287  | 94   | 63097    | 9.361  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 6.369  | 93   | 47495    | 9.769  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.569  | 146  | 57053    | 9.902  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.651  | 146  | 58937    | 10.031 | ng    | 96       |
| 14) 1,2-Dichlorobenzene       | 6.798  | 146  | 55175    | 10.052 | ng    | 98       |
| 15) Benzyl Alcohol            | 6.834  | 79   | 21206    | 4.650  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 6.916  | 45   | 66263    | 9.345  | ng    | 81       |
| 17) 2-Methylphenol            | 6.898  | 107  | 45650    | 10.724 | ng    | 99       |
| 18) Hexachloroethane          | 7.140  | 117  | 21589    | 9.321  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.045  | 70   | 37012    | 9.536  | ng    | 94       |
| 20) 3+4-Methylphenols         | 7.057  | 107  | 52562    | 9.505  | ng    | # 56     |
| 22) Acetophenone              | 7.045  | 105  | 76365    | 10.473 | ng    | # 86     |
| 24) Nitrobenzene              | 7.216  | 77   | 53674    | 9.055  | ng    | 95       |
| 25) Isophorone                | 7.451  | 82   | 96399    | 10.246 | ng    | 97       |
| 26) 2-Nitrophenol             | 7.534  | 139  | 26664    | 10.974 | ng    | 88       |
| 27) 2,4-Dimethylphenol        | 7.581  | 122  | 42096    | 11.252 | ng    | 94       |
| 28) bis(2-Chloroethoxy)met... | 7.669  | 93   | 59307    | 11.194 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.781  | 162  | 38593    | 9.413  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 7.857  | 180  | 42809    | 9.658  | ng    | 96       |
| 31) Naphthalene               | 7.934  | 128  | 151503   | 9.861  | ng    | 98       |
| 32) Benzoic acid              | 7.692  | 122  | 16747m   | 5.788  | ng    |          |
| 33) 4-Chloroaniline           | 7.992  | 127  | 28099    | 4.809  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.051  | 225  | 27175    | 9.593  | ng    | 98       |
| 35) Caprolactam               | 8.334  | 113  | 11375    | 9.678  | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 8.486  | 107  | 38954    | 8.572  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.628  | 142  | 93424    | 9.537  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.722  | 142  | 87344    | 9.281  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.792  | 216  | 40110    | 10.901 | ng    | 97       |
| 41) Hexachlorocyclopentadiene | 8.775  | 237  | 8132     | 4.128  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 8.910  | 196  | 23269    | 9.061  | ng    | 95       |

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 Sample : N4960-01MS 5X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PAT-01-100322MS

Manual Integrations  
 APPROVED

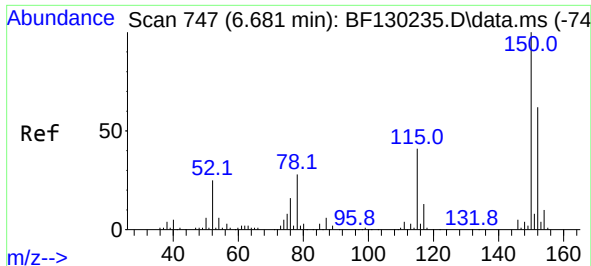
Reviewed By :Christian Giraldo 10/06/2022  
 Supervised By :mohammad ahmed 10/14/2022

Quant Time: Oct 06 01:11:15 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 06 01:07:05 2022  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 8.957  | 196  | 23392    | 8.442  | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.086  | 154  | 113409   | 11.263 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.110  | 162  | 83570    | 10.260 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.216  | 65   | 23924    | 8.806  | ng    | 92       |
| 49) Acenaphthylene            | 9.522  | 152  | 119868   | 9.815  | ng    | 100      |
| 50) Dimethylphthalate         | 9.392  | 163  | 97613    | 10.481 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.457  | 165  | 19642    | 10.085 | ng    | # 78     |
| 52) Acenaphthene              | 9.692  | 154  | 77872m   | 9.705  | ng    |          |
| 53) 3-Nitroaniline            | 9.628  | 138  | 14411    | 6.640  | ng    | 93       |
| 54) 2,4-Dinitrophenol         | 9.745  | 184  | 5875     | 11.380 | ng    | # 85     |
| 55) Dibenzofuran              | 9.869  | 168  | 111624   | 10.001 | ng    | 95       |
| 56) 4-Nitrophenol             | 9.816  | 139  | 15153    | 9.586  | ng    | 93       |
| 57) 2,4-Dinitrotoluene        | 9.857  | 165  | 23803    | 9.562  | ng    | 99       |
| 58) Fluorene                  | 10.210 | 166  | 85788    | 9.399  | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 9.992  | 232  | 16304    | 7.517  | ng    | 92       |
| 60) Diethylphthalate          | 10.086 | 149  | 91355    | 9.782  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.204 | 204  | 38917    | 9.719  | ng    | 98       |
| 62) 4-Nitroaniline            | 10.233 | 138  | 17167    | 7.874  | ng    | 93       |
| 63) Azobenzene                | 10.363 | 77   | 82377    | 8.566  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.269 | 198  | 5611     | 5.132  | ng    | 91       |
| 66) n-Nitrosodiphenylamine    | 10.322 | 169  | 69341    | 10.564 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.692 | 248  | 23234    | 10.722 | ng    | 95       |
| 68) Hexachlorobenzene         | 10.751 | 284  | 24953    | 10.159 | ng    | 97       |
| 69) Atrazine                  | 10.851 | 200  | 20517    | 10.696 | ng    | 96       |
| 70) Pentachlorophenol         | 10.957 | 266  | 14533    | 11.024 | ng    | 97       |
| 71) Phenanthrene              | 11.169 | 178  | 154413   | 14.002 | ng    | 99       |
| 72) Anthracene                | 11.216 | 178  | 120603   | 11.332 | ng    | 97       |
| 73) Carbazole                 | 11.380 | 167  | 102325   | 10.654 | ng    | 98       |
| 74) Di-n-butylphthalate       | 11.716 | 149  | 171730   | 14.827 | ng    | 98       |
| 75) Fluoranthene              | 12.351 | 202  | 234224   | 21.980 | ng    | 98       |
| 77) Benzidine                 | 12.486 | 184  | 29603    | 5.421  | ng    | 96       |
| 78) Pyrene                    | 12.580 | 202  | 238909   | 14.518 | ng    | 98       |
| 80) Butylbenzylphthalate      | 13.210 | 149  | 56593    | 9.283  | ng    | 90       |
| 81) Benzo(a)anthracene        | 13.769 | 228  | 194601   | 15.551 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 13.739 | 252  | 25532    | 7.495  | ng    | 98       |
| 83) Chrysene                  | 13.804 | 228  | 180055   | 15.154 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 13.769 | 149  | 87747    | 12.566 | ng    | # 99     |
| 85) Di-n-octyl phthalate      | 14.380 | 149  | 153076   | 14.333 | ng    | # 99     |
| 87) Indeno(1,2,3-cd)pyrene    | 16.474 | 276  | 109311   | 8.934  | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 14.774 | 252  | 212745   | 18.891 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 14.804 | 252  | 134895   | 12.177 | ng    | 97       |
| 90) Benzo(a)pyrene            | 15.104 | 252  | 147993   | 16.588 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 16.492 | 278  | 76275    | 7.599  | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 16.874 | 276  | 90707    | 8.971  | ng    | 99       |

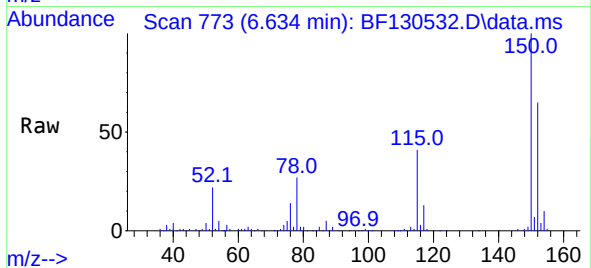
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.634 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

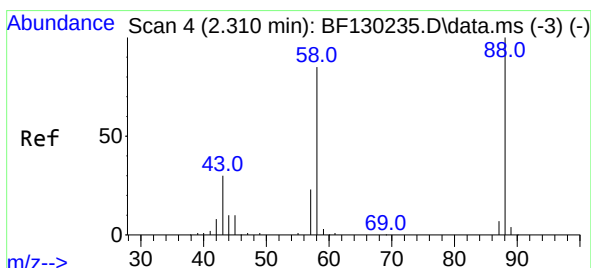
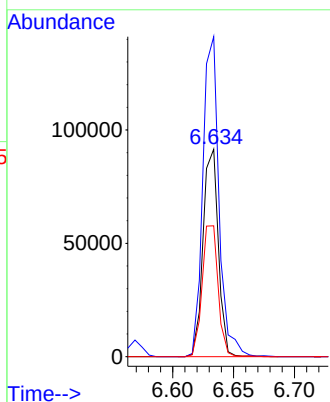
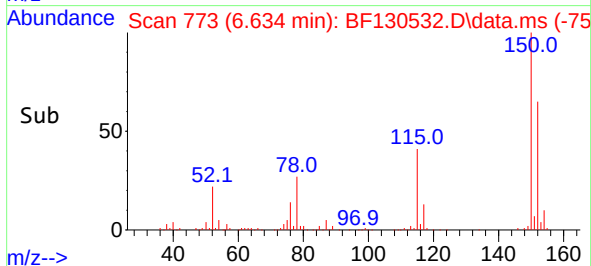
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PAT-01-100322MS



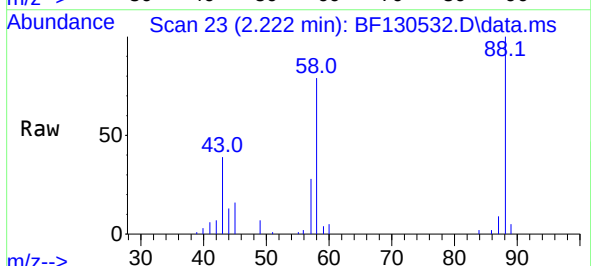
Tgt Ion:152 Resp: 79732  
Ion Ratio Lower Upper  
152 100  
150 154.2 122.8 184.2  
115 63.1 53.8 80.8

Manual Integrations  
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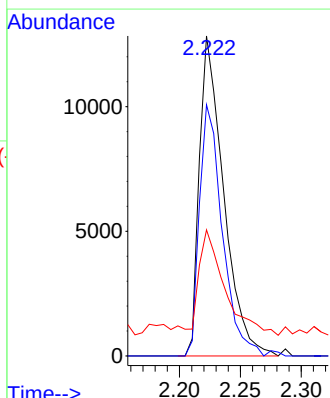
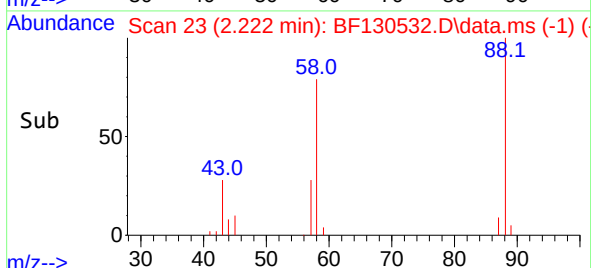
Reviewed By :Christian Giraldo 10/06/2022  
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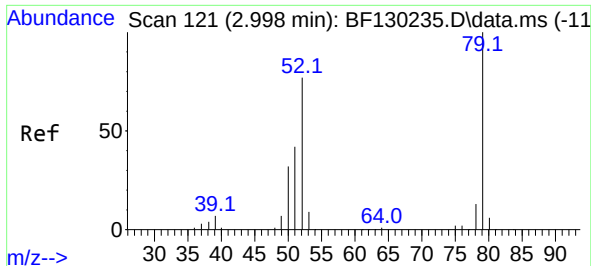


#2  
1,4-Dioxane  
Concen: 8.432 ng  
RT: 2.222 min Scan# 23  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32



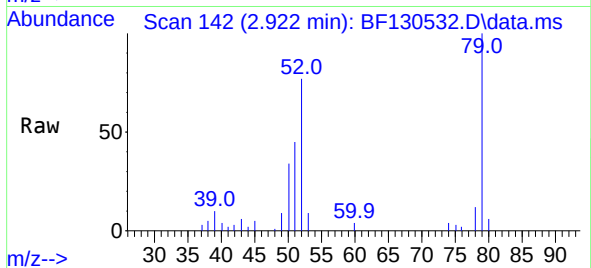
Tgt Ion: 88 Resp: 17801  
Ion Ratio Lower Upper  
88 100  
58 74.6 61.3 91.9  
43 34.9 23.0 34.6





#3  
Pyridine  
Concen: 6.739 ng  
RT: 2.922 min Scan# 14  
Delta R.T. 0.029 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

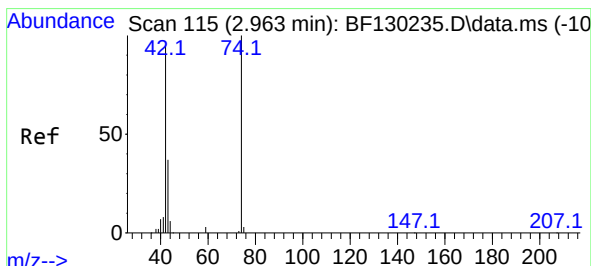
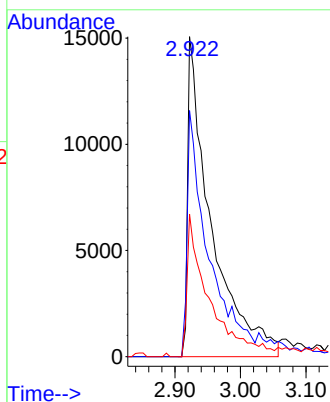
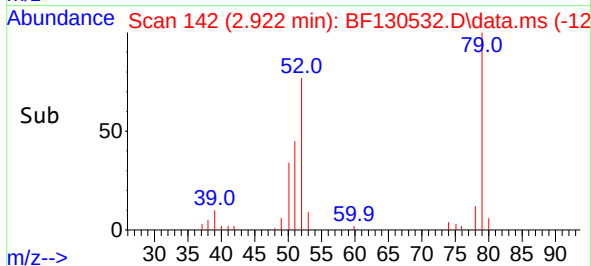
Instrument :  
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PAT-01-100322MS



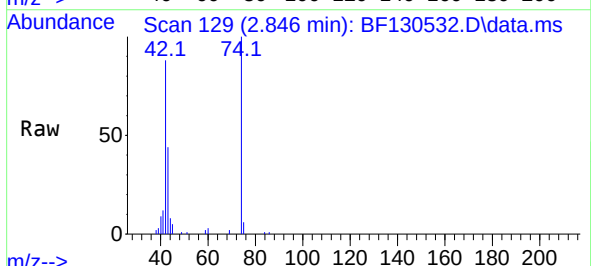
Tgt Ion: 79 Resp: 37114  
Ion Ratio Lower Upper  
79 100  
52 76.9 62.4 93.6  
51 44.6 32.2 48.4

Manual Integrations  
APPROVED

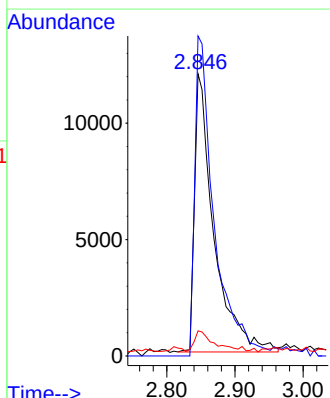
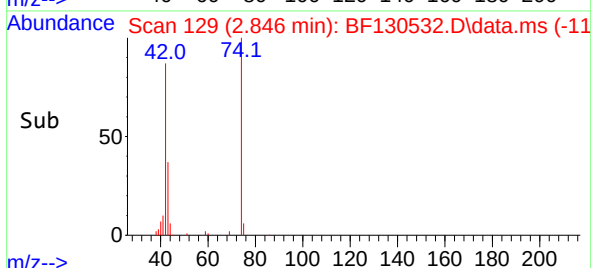
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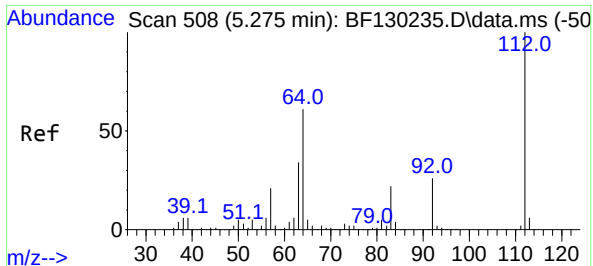


#4  
n-Nitrosodimethylamine  
Concen: 7.866 ng  
RT: 2.846 min Scan# 129  
Delta R.T. -0.012 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32



Tgt Ion: 42 Resp: 23561  
Ion Ratio Lower Upper  
42 100  
74 113.5 88.4 132.6  
44 8.9 5.0 7.4





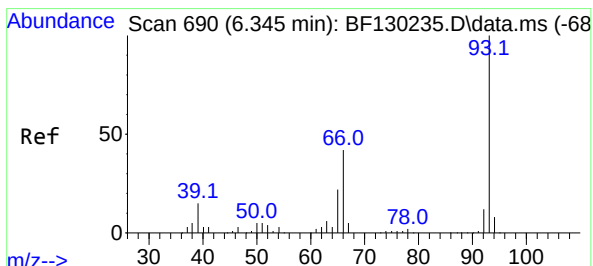
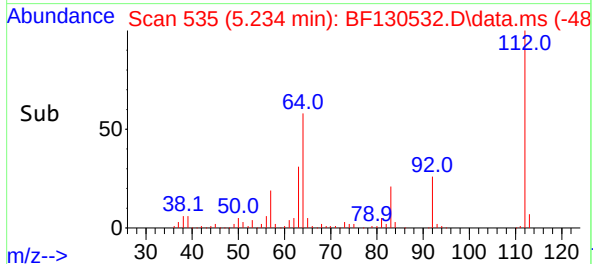
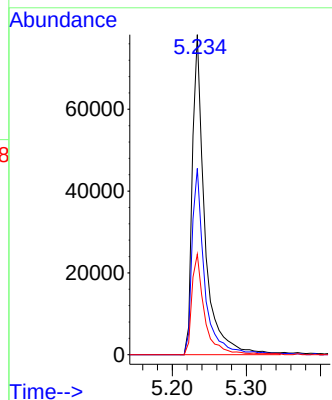
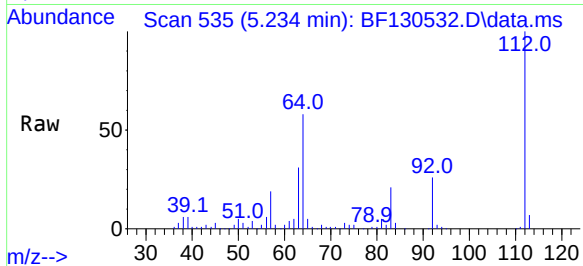
#5  
2-Fluorophenol  
Concen: 19.944 ng  
RT: 5.234 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

Instrument :  
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Tgt Ion:112 Resp: 91680  
Ion Ratio Lower Upper  
112 100  
64 58.2 51.4 77.0  
63 31.4 28.8 43.2

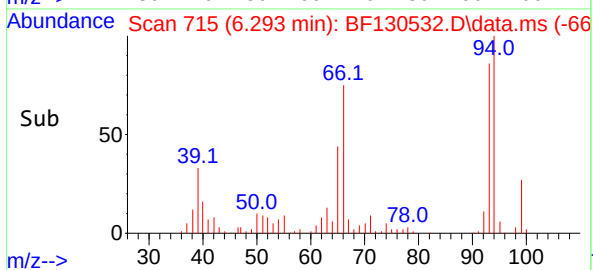
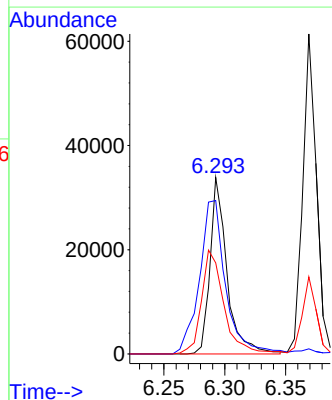
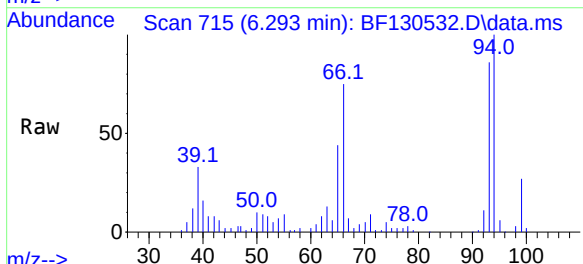
Manual Integrations  
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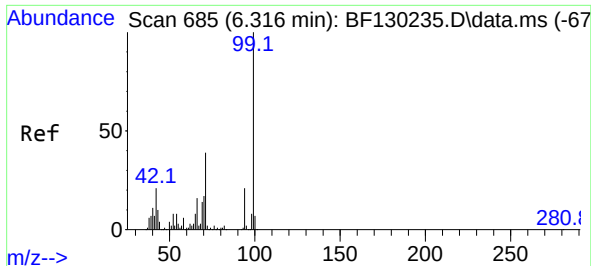
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022



#6  
Aniline  
Concen: 4.623 ng  
RT: 6.293 min Scan# 715  
Delta R.T. -0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

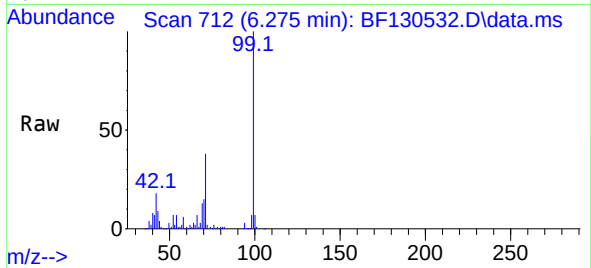
Tgt Ion: 93 Resp: 32764  
Ion Ratio Lower Upper  
93 100  
66 86.9 34.2 51.4#  
65 51.6 16.6 24.8#





#7  
Phenol-d6  
Concen: 20.319 ng  
RT: 6.275 min Scan# 712  
Delta R.T. -0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

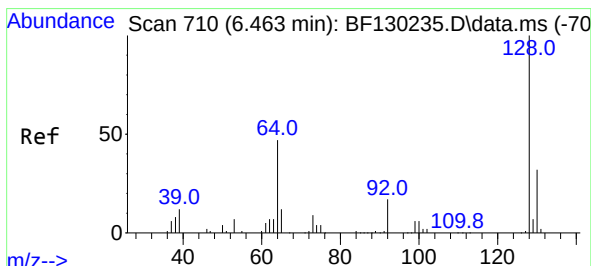
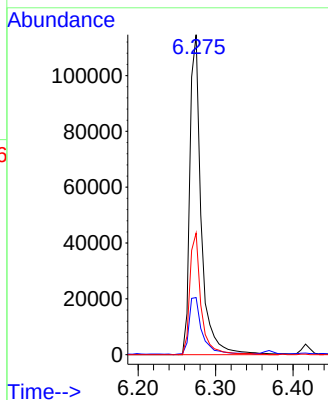
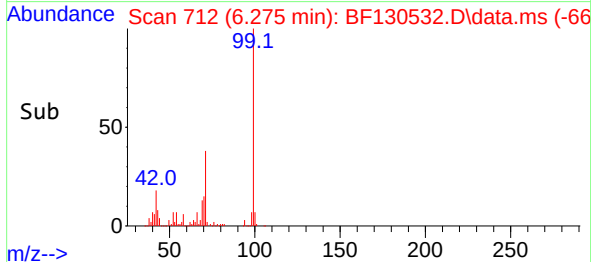
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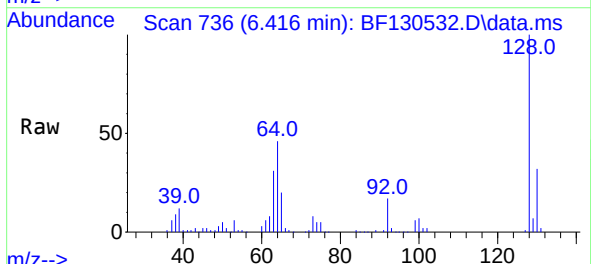
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Ion Ratio Lower Upper  
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42 17.8 17.0 25.6  
71 38.0 32.3 48.5

Manual Integrations  
APPROVED

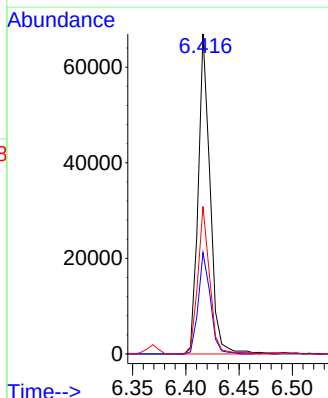
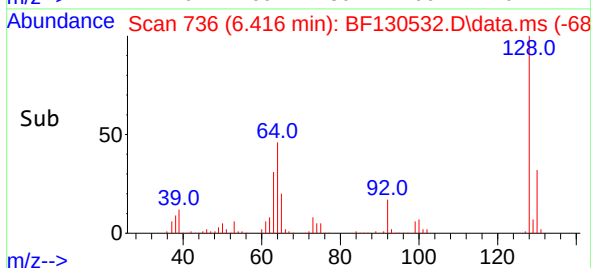
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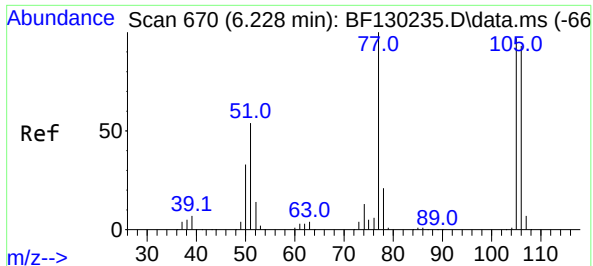


#8  
2-Chlorophenol  
Concen: 9.974 ng  
RT: 6.416 min Scan# 736  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32



Tgt Ion:128 Resp: 52230  
Ion Ratio Lower Upper  
128 100  
130 31.7 12.4 52.4  
64 46.1 31.6 71.6





#9  
Benzaldehyde  
Concen: 7.173 ng  
RT: 6.181 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

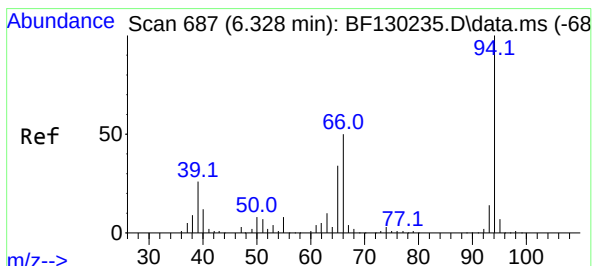
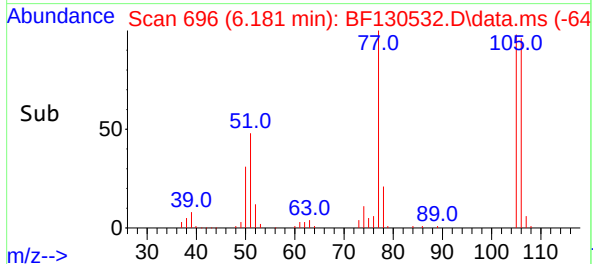
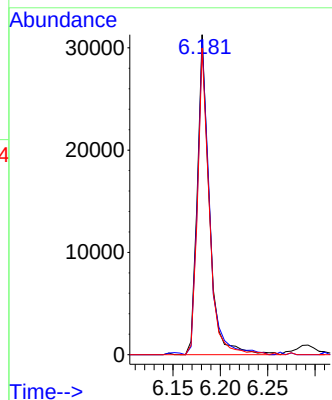
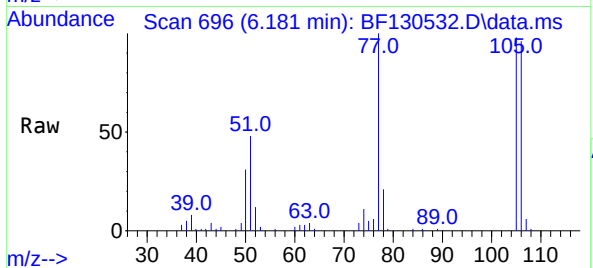
Instrument :  
BNA\_F  
ClientSampleId :  
PAT-01-100322MS

Tgt Ion: 77 Resp: 2763

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 105 | 97.9  | 75.1  | 115.1 |
| 106 | 95.9  | 69.7  | 109.7 |

Manual Integrations  
APPROVED

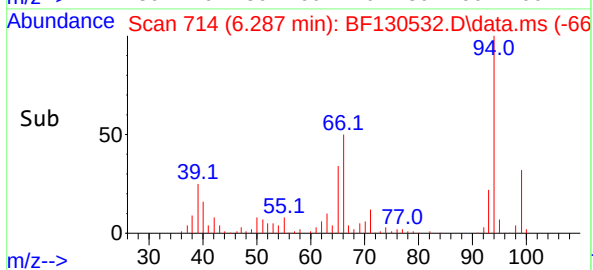
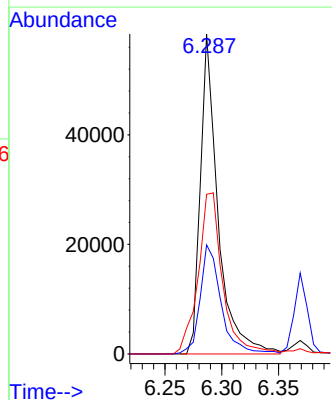
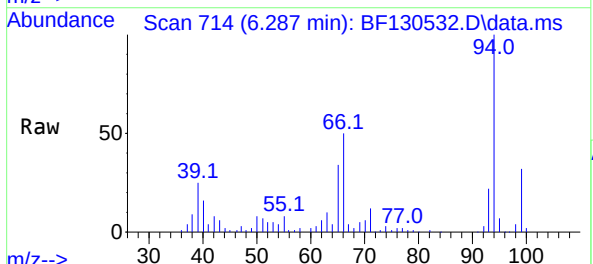
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022



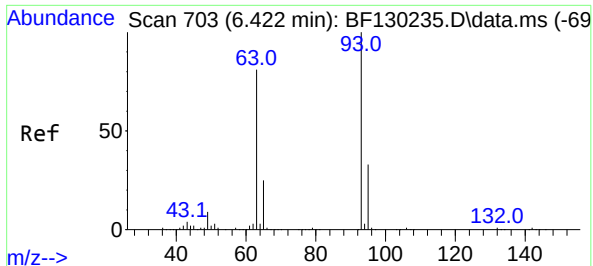
#10  
Phenol  
Concen: 9.361 ng  
RT: 6.287 min Scan# 714  
Delta R.T. -0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

Tgt Ion: 94 Resp: 63097

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 34.1  | 14.1  | 54.1  |
| 66  | 49.9  | 28.1  | 68.1  |







#11

bis(2-Chloroethyl)ether

Concen: 9.769 ng

RT: 6.369 min Scan# 703

Delta R.T. -0.006 min

Lab File: BF130532.D

Acq: 05 Oct 2022 16:32

Instrument :

BNA\_F

ClientSampleId :

PAT-01-100322MS

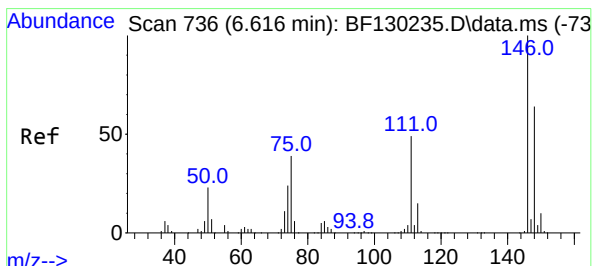
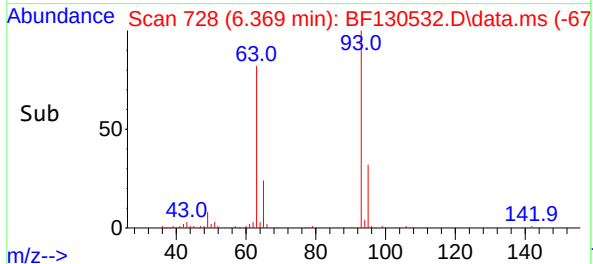
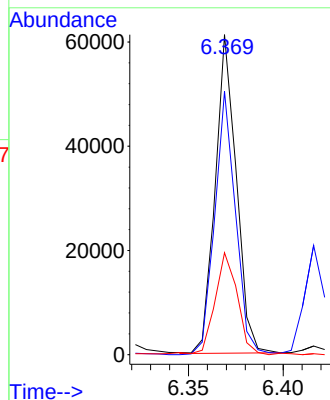
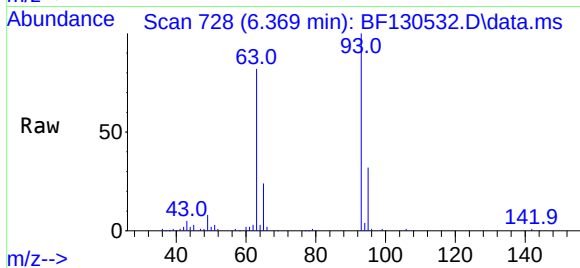
Tgt Ion: 93 Resp: 4749

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 82.3  | 62.5  | 102.5 |
| 95  | 31.9  | 12.5  | 52.5  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022



#12

1,3-Dichlorobenzene

Concen: 9.902 ng

RT: 6.569 min Scan# 762

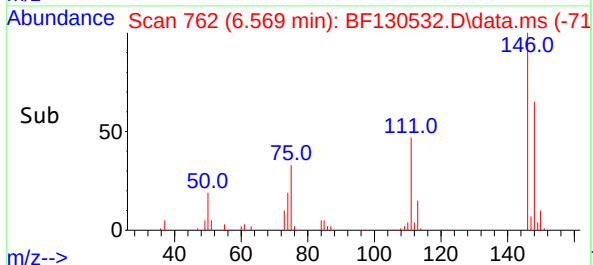
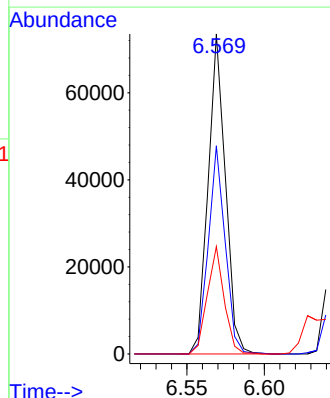
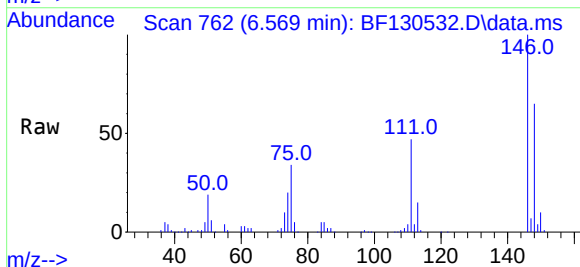
Delta R.T. 0.000 min

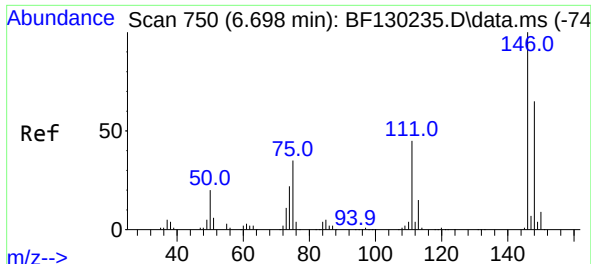
Lab File: BF130532.D

Acq: 05 Oct 2022 16:32

Tgt Ion:146 Resp: 57053

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 65.0  | 51.4  | 77.2  |
| 75  | 33.6  | 28.8  | 43.2  |





#13

1,4-Dichlorobenzene

Concen: 10.031 ng

RT: 6.651 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF130532.D

Acq: 05 Oct 2022 16:32

Instrument :

BNA\_F

ClientSampleId :

PAT-01-100322MS

Tgt Ion:146 Resp: 5893

Ion Ratio Lower Upper

146 100

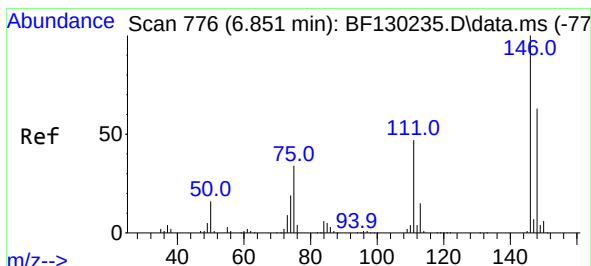
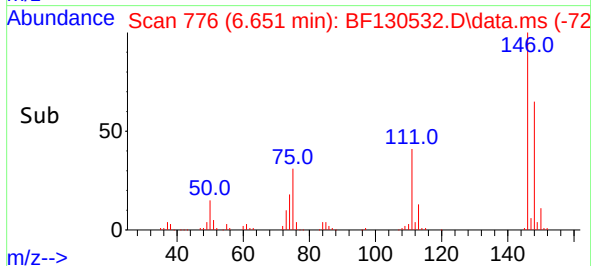
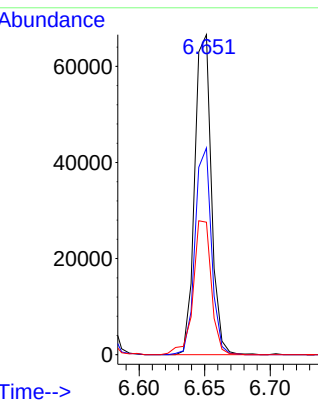
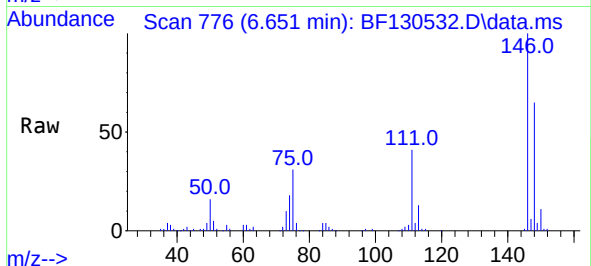
148 64.6 50.3 75.5

111 41.4 36.3 54.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022



#14

1,2-Dichlorobenzene

Concen: 10.052 ng

RT: 6.798 min Scan# 801

Delta R.T. -0.006 min

Lab File: BF130532.D

Acq: 05 Oct 2022 16:32

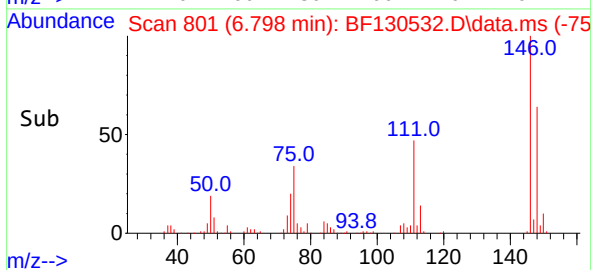
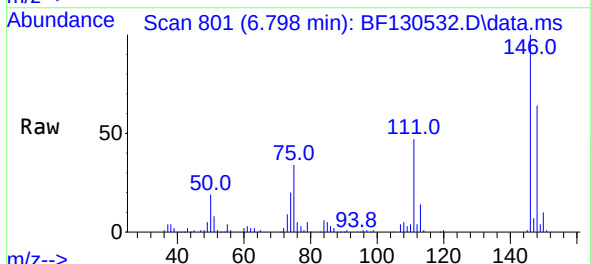
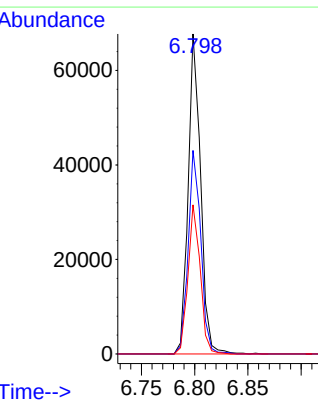
Tgt Ion:146 Resp: 55175

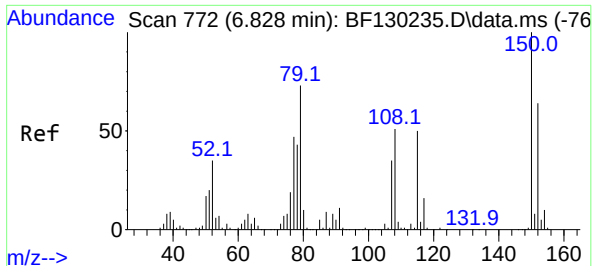
Ion Ratio Lower Upper

146 100

148 63.6 51.6 77.4

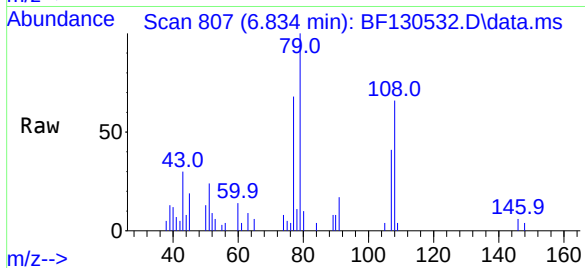
111 46.6 39.2 58.8





#15  
Benzyl Alcohol  
Concen: 4.650 ng  
RT: 6.834 min Scan# 807  
Delta R.T. 0.047 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

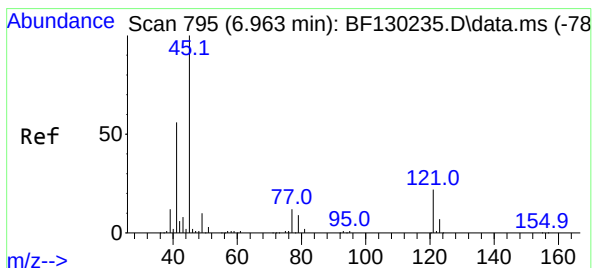
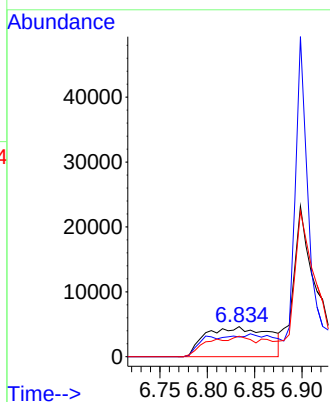
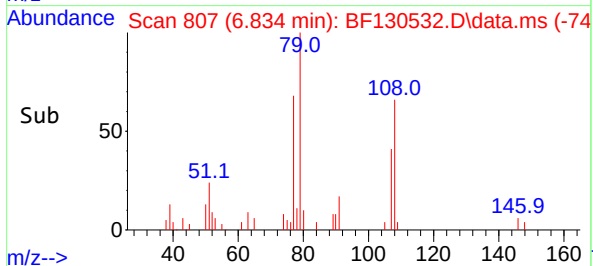
Instrument :  
BNA\_F  
ClientSampleId :  
PAT-01-100322MS



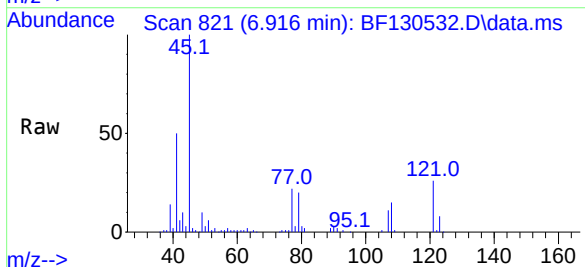
Tgt Ion: 79 Resp: 21200  
Ion Ratio Lower Upper  
79 100  
108 65.5 54.0 81.0  
77 68.0 51.3 76.9

Manual Integrations  
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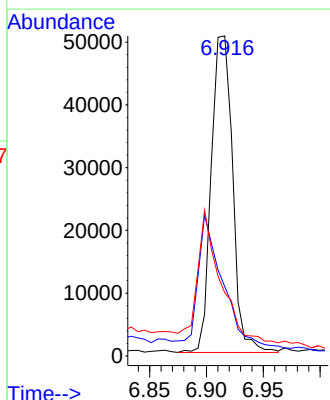
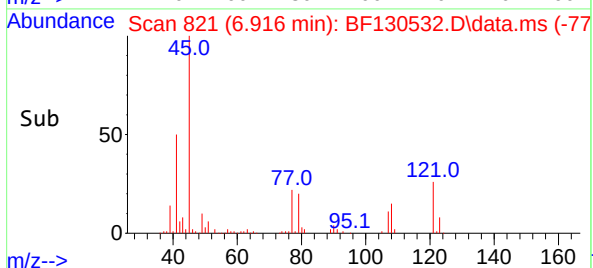
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022



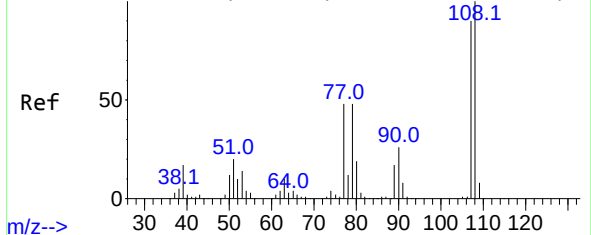
#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 9.345 ng  
RT: 6.916 min Scan# 821  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32



Tgt Ion: 45 Resp: 66263  
Ion Ratio Lower Upper  
45 100  
77 21.6 0.0 34.9  
79 19.7 0.0 31.0



Abundance Scan 790 (6.934 min): BF130235.D\data.ms (-78



#17

2-Methylphenol

Concen: 10.724 ng

RT: 6.898 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF130532.D

Acq: 05 Oct 2022 16:32

Instrument :

BNA\_F

ClientSampleId :

PAT-01-100322MS

Tgt Ion:107 Resp: 45650

Ion Ratio Lower Upper

107 100

108 111.9 89.4 134.0

77 51.0 40.6 60.8

79 52.7 40.2 60.2

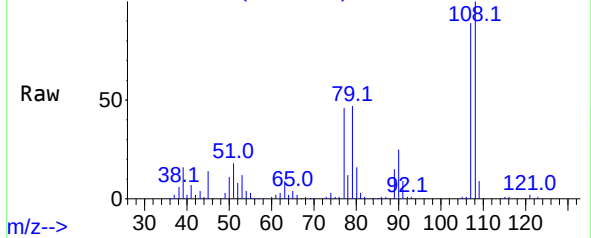
Manual Integrations

APPROVED

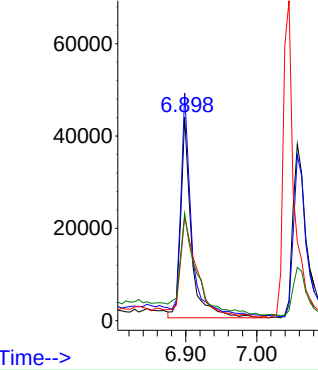
Reviewed By :Christian Giraldo 10/06/2022

Supervised By :mohammad ahmed 10/14/2022

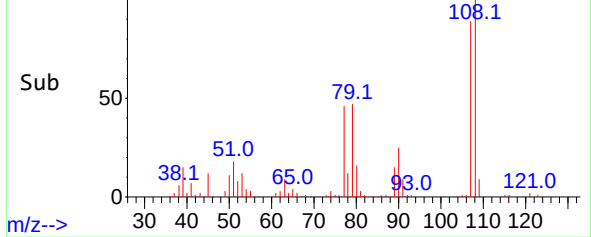
Abundance Scan 818 (6.898 min): BF130532.D\data.ms



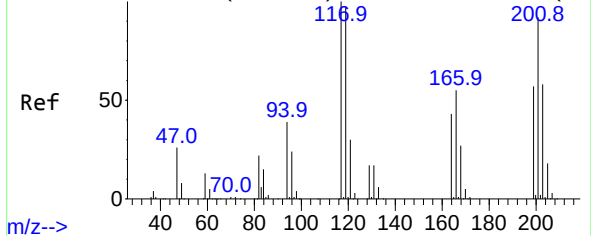
Abundance



Abundance Scan 818 (6.898 min): BF130532.D\data.ms (-76



Abundance Scan 834 (7.192 min): BF130235.D\data.ms (-82



#18

Hexachloroethane

Concen: 9.321 ng

RT: 7.140 min Scan# 859

Delta R.T. 0.000 min

Lab File: BF130532.D

Acq: 05 Oct 2022 16:32

Tgt Ion:117 Resp: 21589

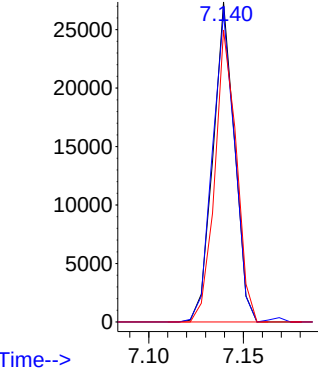
Ion Ratio Lower Upper

117 100

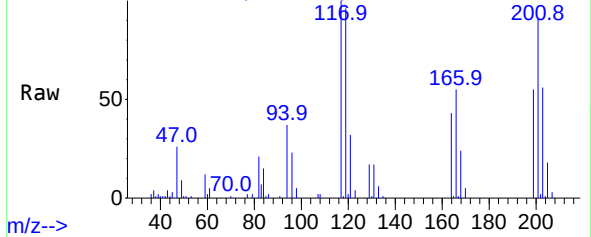
119 96.4 77.8 116.6

201 91.3 68.7 103.1

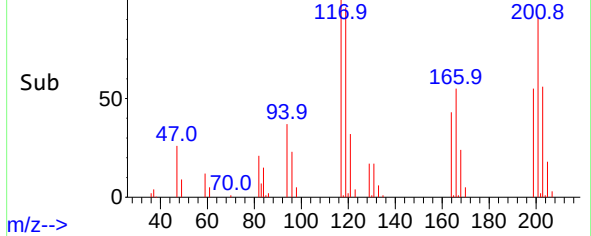
Abundance

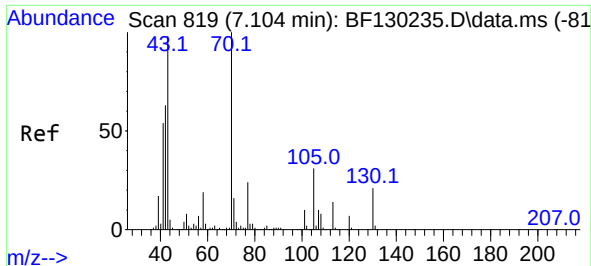


Abundance Scan 859 (7.140 min): BF130532.D\data.ms



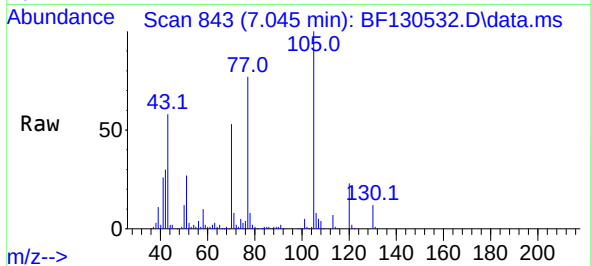
Abundance Scan 859 (7.140 min): BF130532.D\data.ms (-80





#19  
n-Nitroso-di-n-propylamine  
Concen: 9.536 ng  
RT: 7.045 min Scan# 84  
Delta R.T. -0.012 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

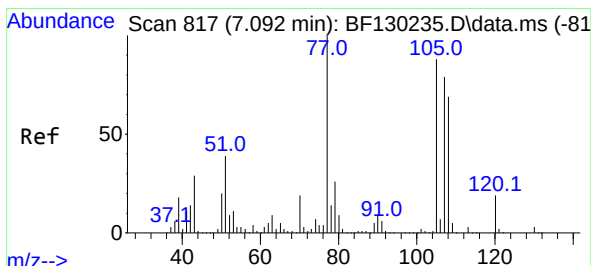
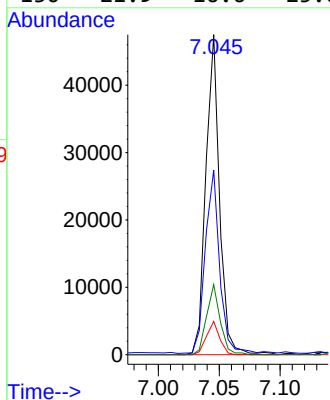
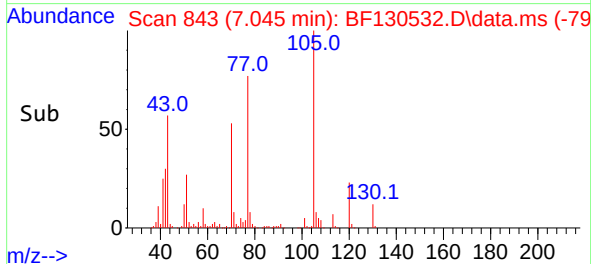
Instrument :  
BNA\_F  
ClientSampleId :  
PAT-01-100322MS



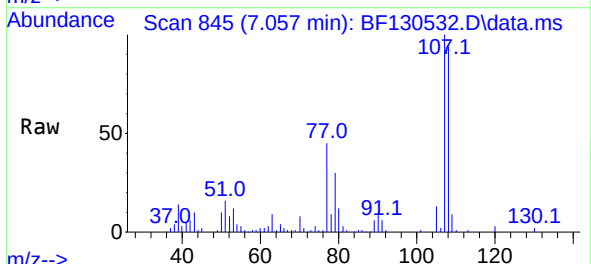
Tgt Ion: 70 Resp: 3701  
Ion Ratio Lower Upper  
70 100  
42 57.7 50.8 76.2  
101 10.4 8.2 12.4  
130 21.9 16.6 25.0

Manual Integrations  
APPROVED

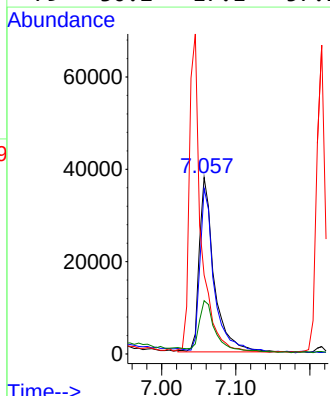
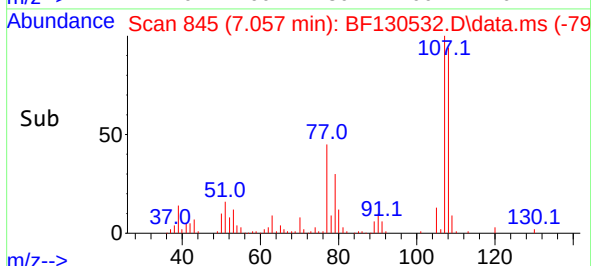
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022

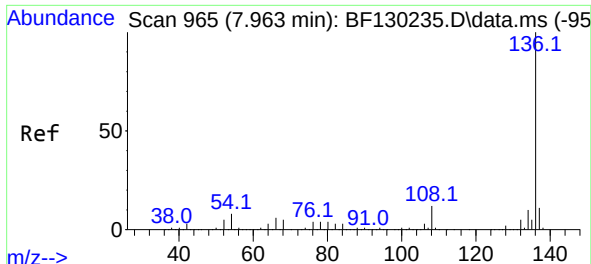


#20  
3+4-Methylphenols  
Concen: 9.505 ng  
RT: 7.057 min Scan# 845  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32



Tgt Ion:107 Resp: 52562  
Ion Ratio Lower Upper  
107 100  
108 93.8 74.8 114.8  
77 44.8 125.8 165.8#  
79 30.2 17.1 57.1





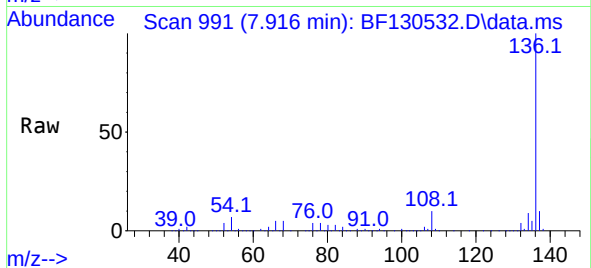
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.916 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

Instrument :

BNA\_F

ClientSampleId :

PAT-01-100322MS

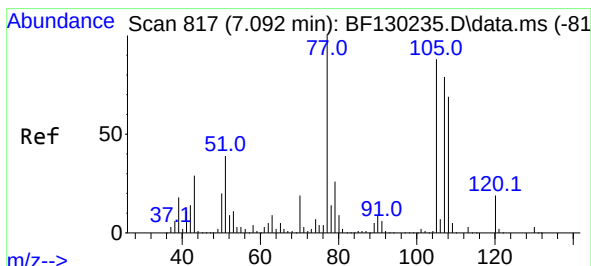
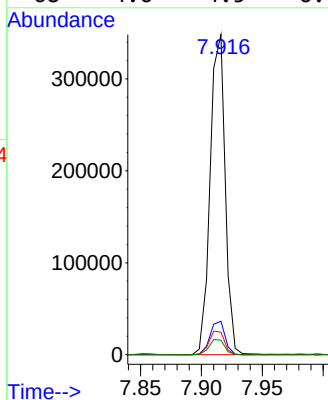
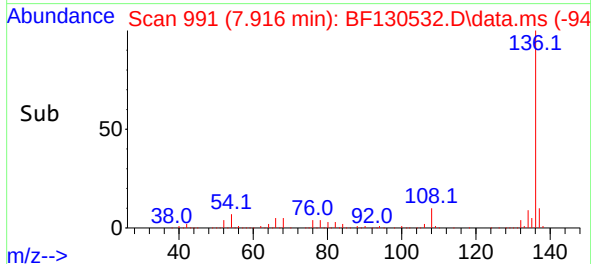


Tgt Ion:136 Resp: 29823  
Ion Ratio Lower Upper  
136 100  
137 10.5 9.1 13.7  
54 7.1 7.1 10.7  
68 4.6 4.5 6.7

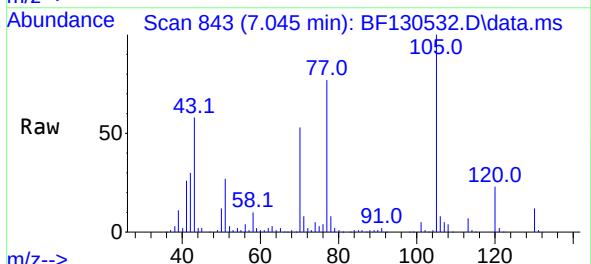
Manual Integrations

APPROVED

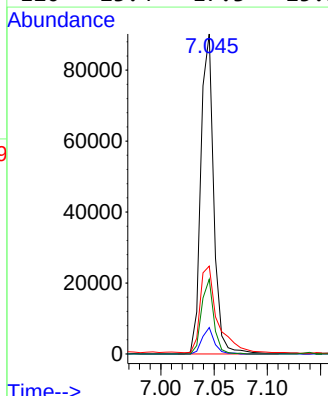
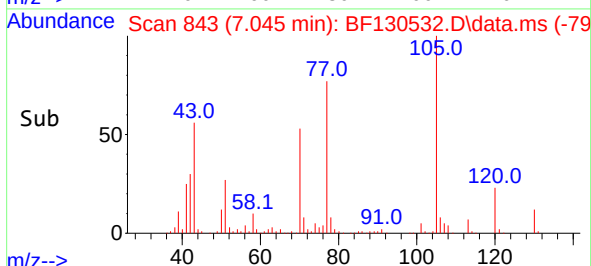
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022

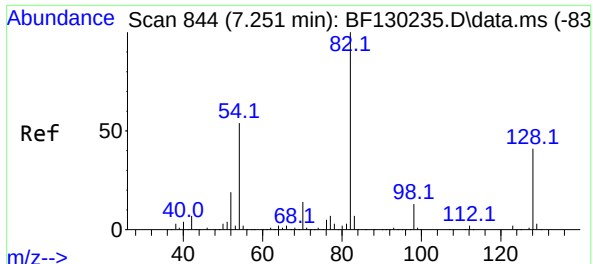


#22  
Acetophenone  
Concen: 10.473 ng  
RT: 7.045 min Scan# 843  
Delta R.T. -0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32



Tgt Ion:105 Resp: 76365  
Ion Ratio Lower Upper  
105 100  
71 8.3 3.9 5.9#  
51 27.5 32.2 48.2#  
120 23.4 17.3 25.9





#23

Nitrobenzene-d5

Concen: 12.803 ng

RT: 7.192 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF130532.D

Acq: 05 Oct 2022 16:32

Instrument :

BNA\_F

ClientSampleId :

PAT-01-100322MS

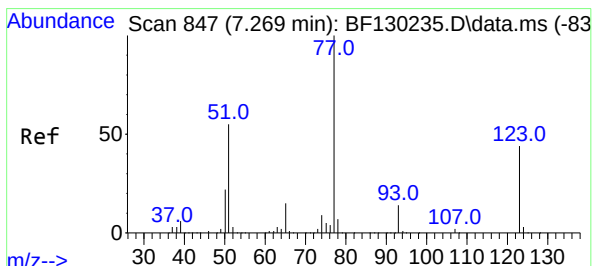
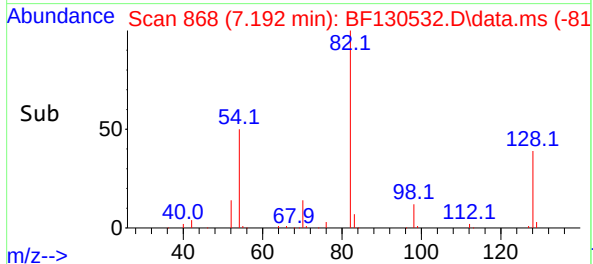
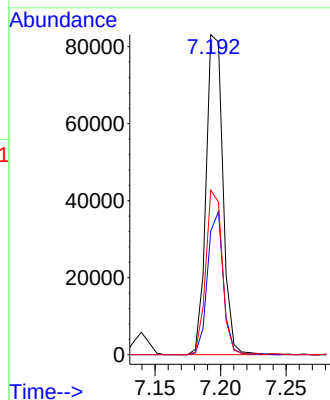
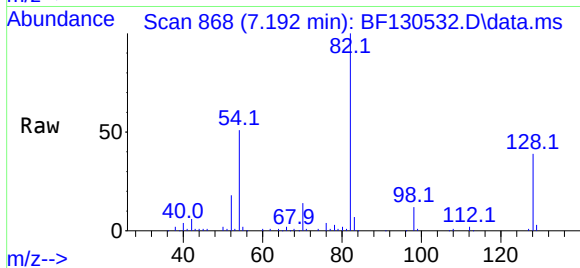
Tgt Ion: 82 Resp: 74730

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 38.6  | 32.6  | 49.0  |
| 54  | 51.4  | 43.8  | 65.6  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022



#24

Nitrobenzene

Concen: 9.055 ng

RT: 7.216 min Scan# 872

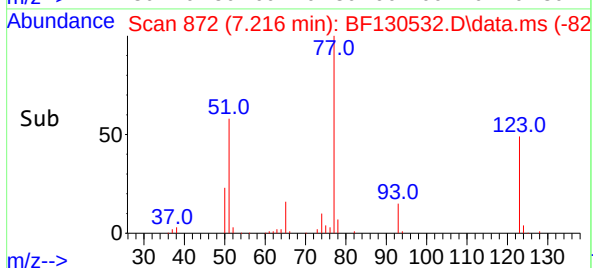
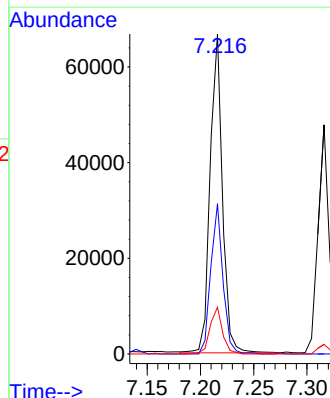
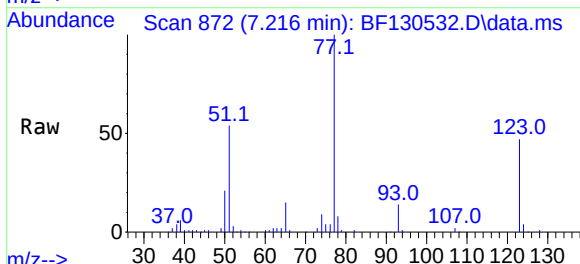
Delta R.T. -0.006 min

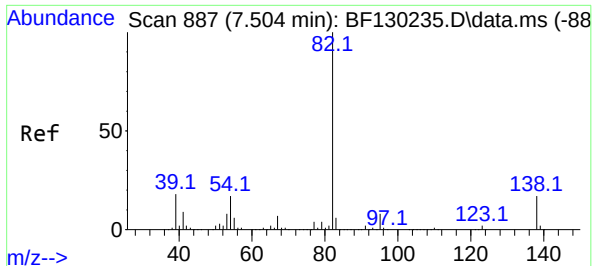
Lab File: BF130532.D

Acq: 05 Oct 2022 16:32

Tgt Ion: 77 Resp: 53674

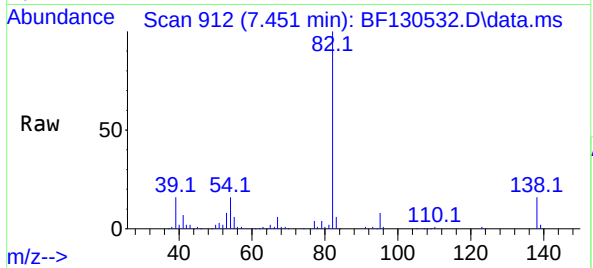
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 47.0  | 34.3  | 51.5  |
| 65  | 14.6  | 12.0  | 18.0  |





#25  
Isophorone  
Concen: 10.246 ng  
RT: 7.451 min Scan# 912  
Delta R.T. -0.012 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

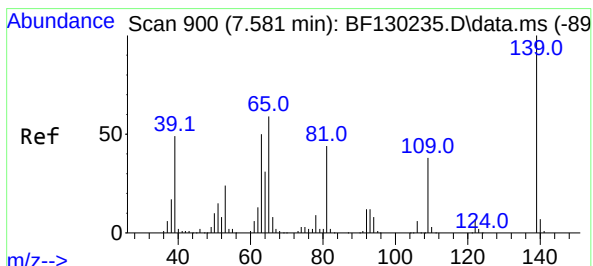
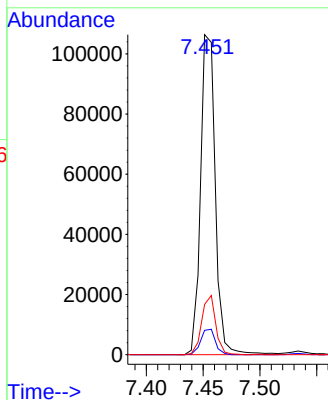
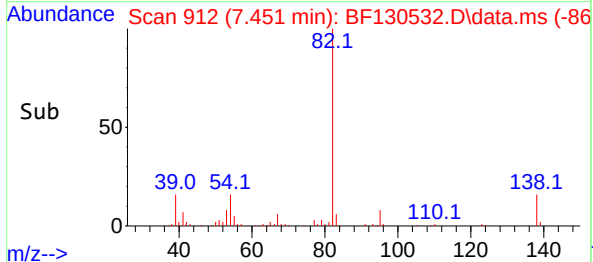
Instrument :  
BNA\_F  
ClientSampleId :  
PAT-01-100322MS



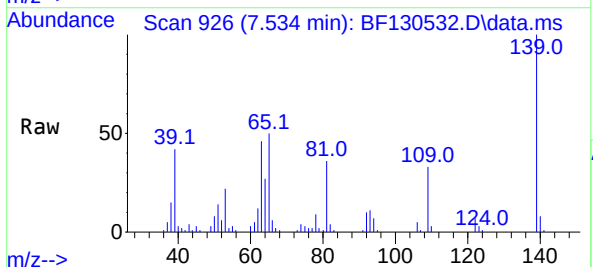
Tgt Ion: 82 Resp: 96399  
Ion Ratio Lower Upper  
82 100  
95 7.6 6.4 9.6  
138 15.7 13.8 20.6

Manual Integrations  
APPROVED

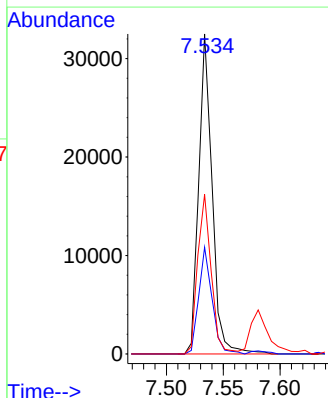
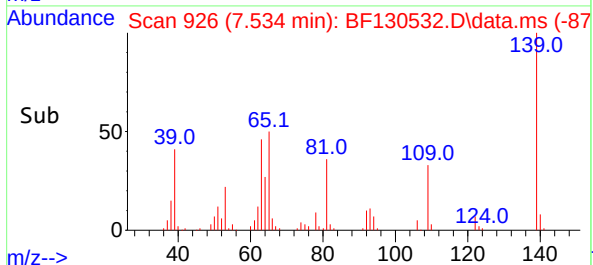
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022



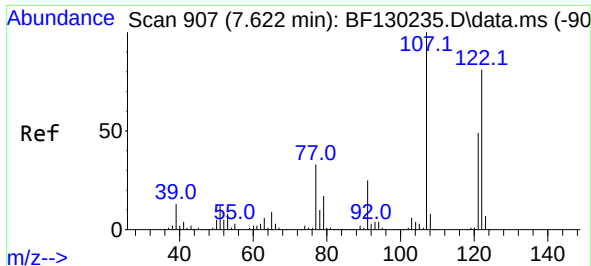
#26  
2-Nitrophenol  
Concen: 10.974 ng  
RT: 7.534 min Scan# 926  
Delta R.T. -0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32



Tgt Ion:139 Resp: 26664  
Ion Ratio Lower Upper  
139 100  
109 33.3 30.2 45.4  
65 49.9 48.9 73.3







#27  
2,4-Dimethylphenol  
Concen: 11.252 ng  
RT: 7.581 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

Instrument :

BNA\_F

ClientSampleId :

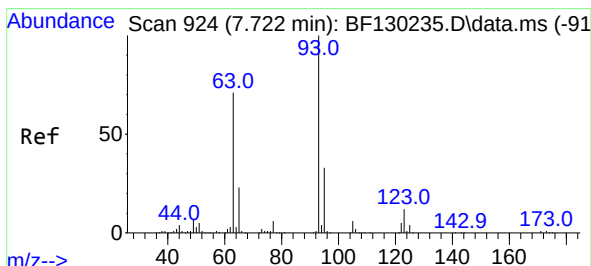
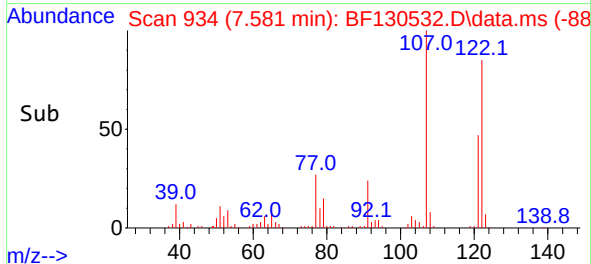
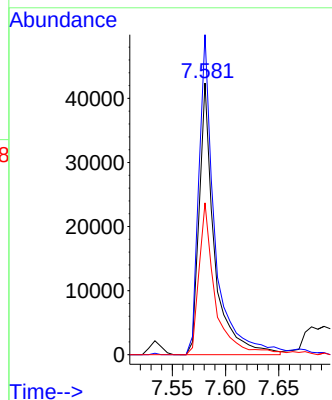
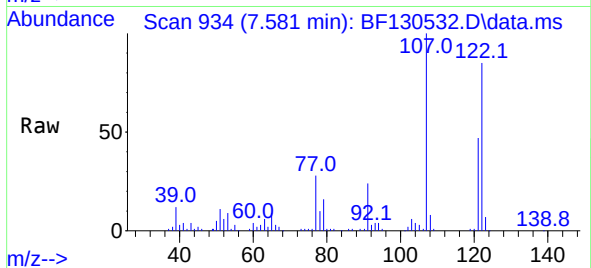
PAT-01-100322MS

Tgt Ion:122 Resp: 42090  
Ion Ratio Lower Upper  
122 100  
107 117.8 100.2 150.2  
121 55.9 47.8 71.8

Manual Integrations

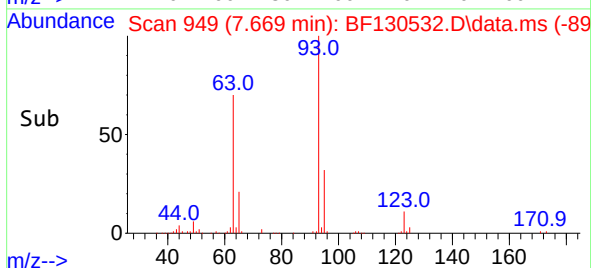
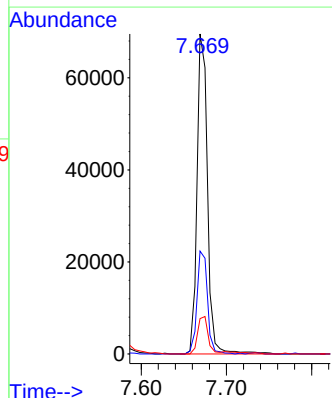
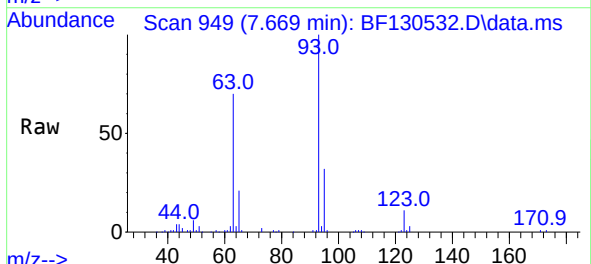
APPROVED

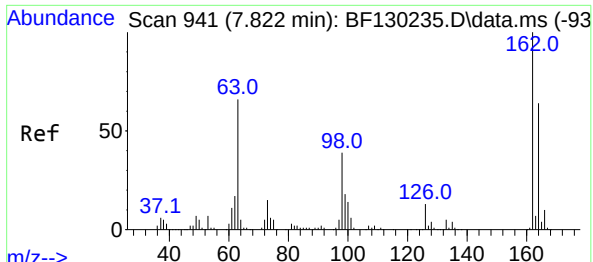
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022



#28  
bis(2-Chloroethoxy)methane  
Concen: 11.194 ng  
RT: 7.669 min Scan# 949  
Delta R.T. -0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

Tgt Ion: 93 Resp: 59307  
Ion Ratio Lower Upper  
93 100  
95 32.1 26.3 39.5  
123 11.1 9.4 14.2





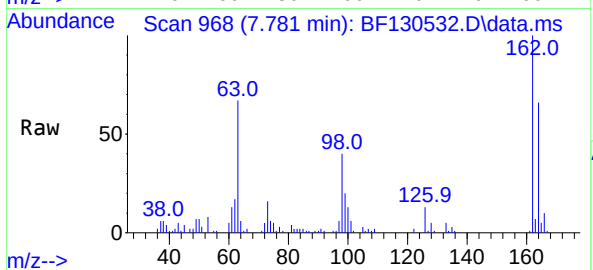
#29  
2,4-Dichlorophenol  
Concen: 9.413 ng  
RT: 7.781 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

Instrument :

BNA\_F

ClientSampleId :

PAT-01-100322MS

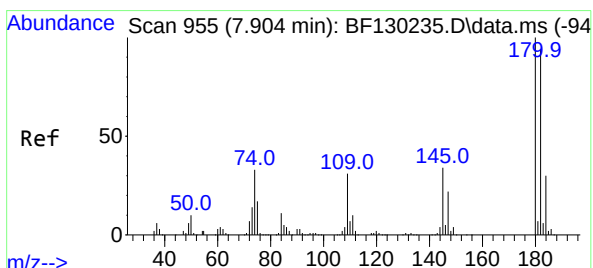
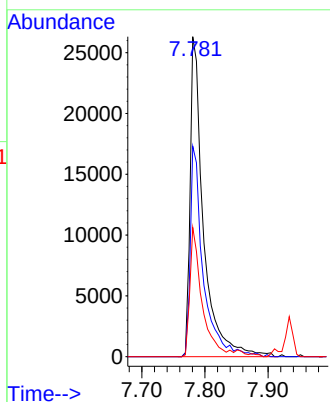
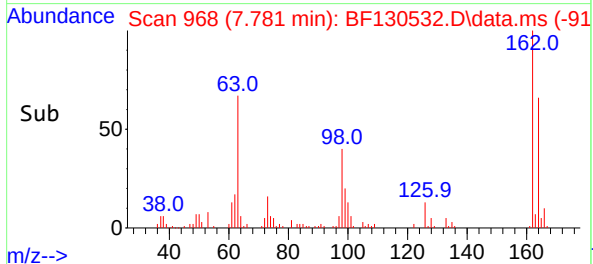


Tgt Ion:162 Resp: 3859  
Ion Ratio Lower Upper  
162 100  
164 65.7 42.2 82.2  
98 40.4 21.7 61.7

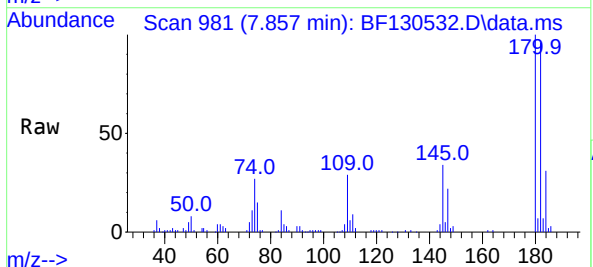
Manual Integrations

APPROVED

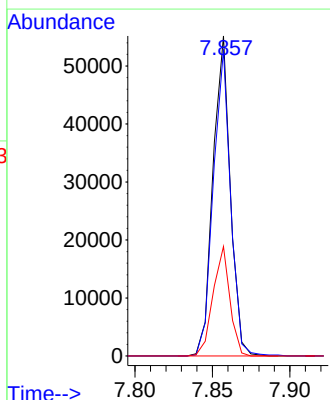
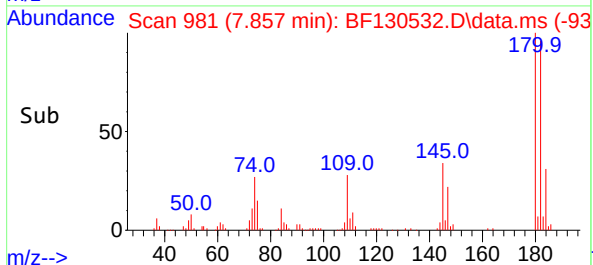
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022

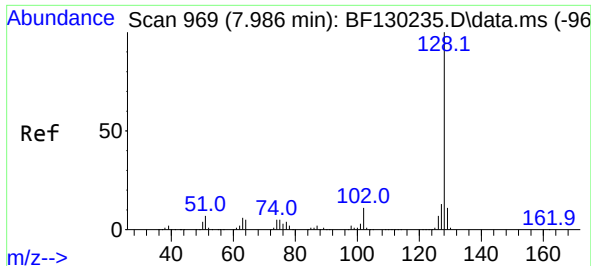


#30  
1,2,4-Trichlorobenzene  
Concen: 9.658 ng  
RT: 7.857 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32



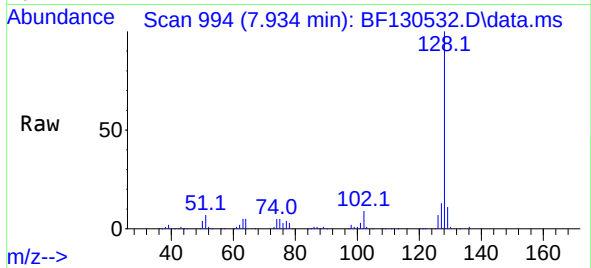
Tgt Ion:180 Resp: 42809  
Ion Ratio Lower Upper  
180 100  
182 95.7 73.3 109.9  
145 34.2 28.3 42.5





#31  
Naphthalene  
Concen: 9.861 ng  
RT: 7.934 min Scan# 94  
Delta R.T. -0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

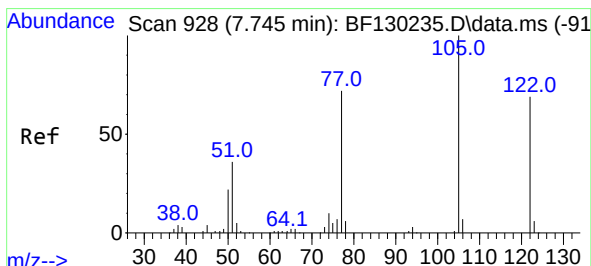
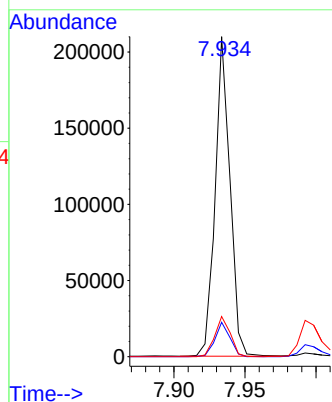
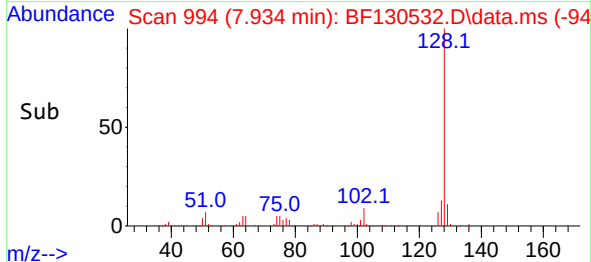
Instrument :  
BNA\_F  
ClientSampleId :  
PAT-01-100322MS



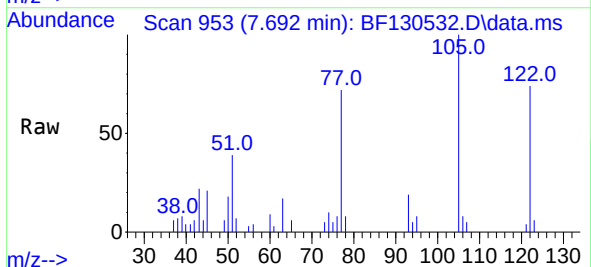
Tgt Ion:128 Resp: 15150  
Ion Ratio Lower Upper  
128 100  
129 10.7 9.1 13.7  
127 12.6 10.6 16.0

Manual Integrations  
APPROVED

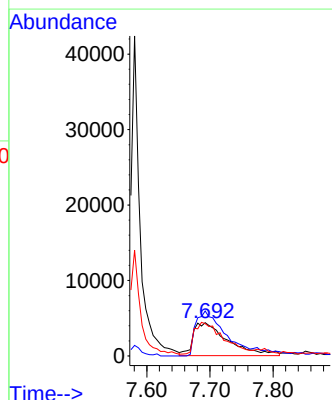
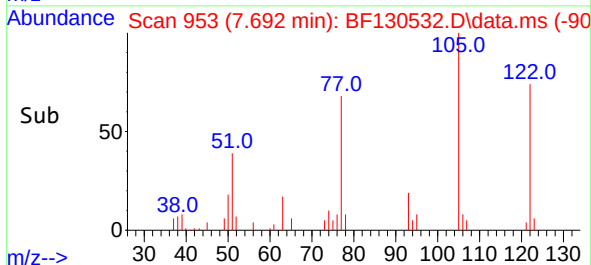
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022

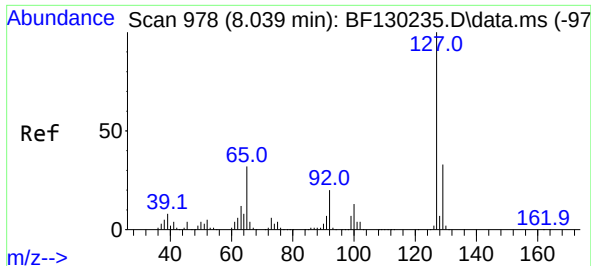


#32  
Benzoic acid  
Concen: 5.788 ng m  
RT: 7.692 min Scan# 953  
Delta R.T. -0.029 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32



Tgt Ion:122 Resp: 16747  
Ion Ratio Lower Upper  
122 100  
105 135.2 112.9 152.9  
77 97.2 82.8 122.8





#33  
4-Chloroaniline  
Concen: 4.809 ng  
RT: 7.992 min Scan# 1004  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

Instrument :

BNA\_F

ClientSampleId :

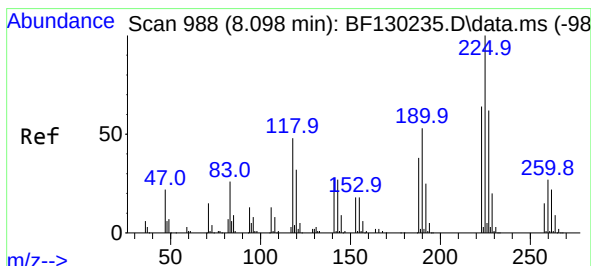
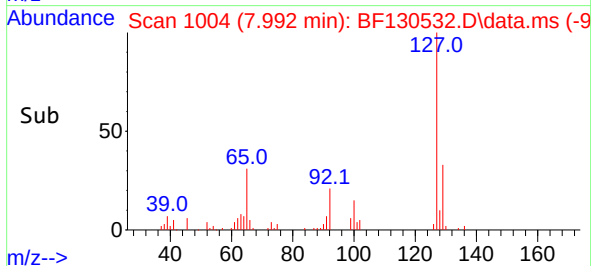
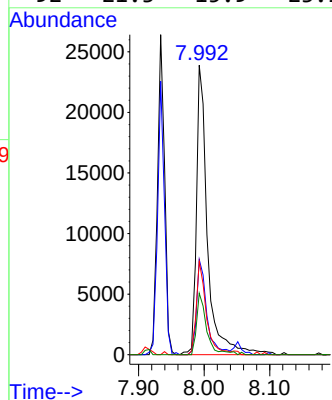
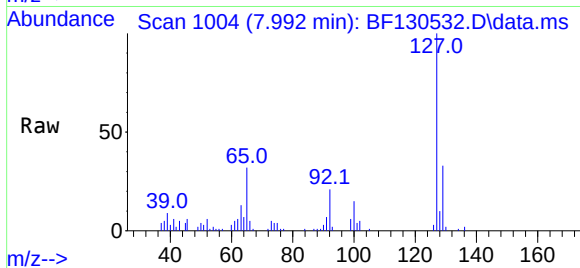
PAT-01-100322MS

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 127   | Resp: | 2809 |
| Ion Ratio | Lower | Upper |      |
| 127       | 100   |       |      |
| 129       | 32.9  | 25.6  | 38.4 |
| 65        | 32.3  | 27.0  | 40.6 |
| 92        | 21.3  | 15.9  | 23.9 |

Manual Integrations

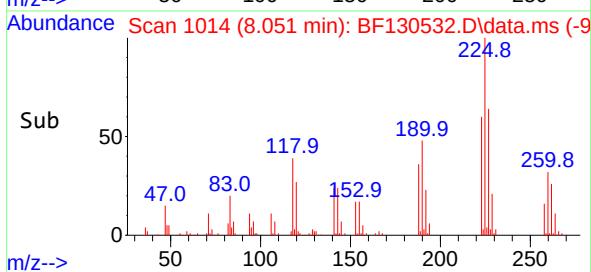
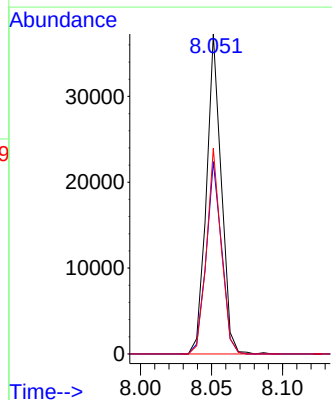
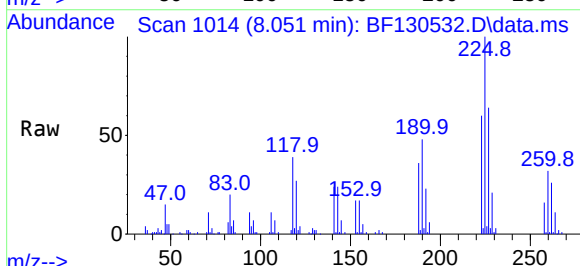
APPROVED

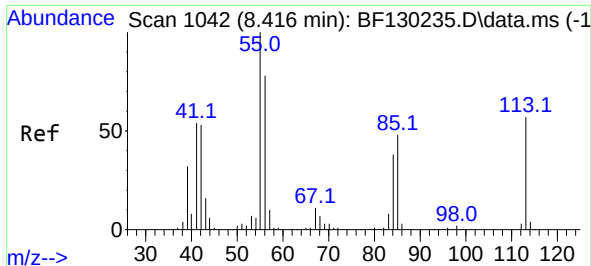
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022



#34  
Hexachlorobutadiene  
Concen: 9.593 ng  
RT: 8.051 min Scan# 1014  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 27175 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 60.1  | 50.3  | 75.5  |
| 227       | 64.2  | 51.1  | 76.7  |





#35  
Caprolactam  
Concen: 9.678 ng  
RT: 8.334 min Scan# 1042  
Delta R.T. -0.041 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

Instrument :

BNA\_F

ClientSampleId :

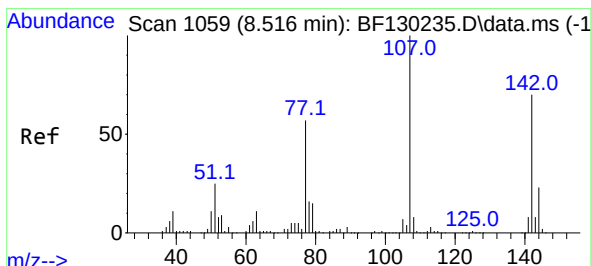
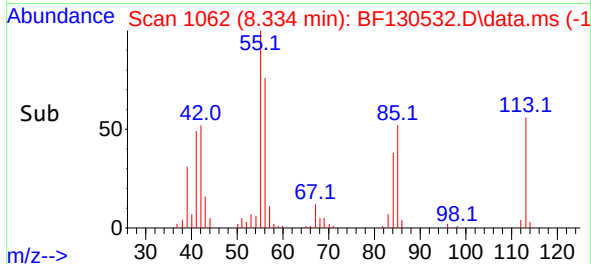
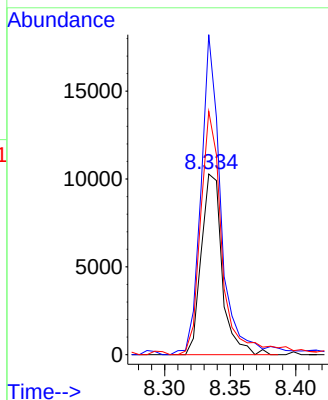
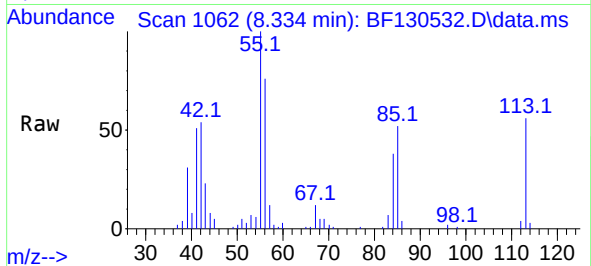
PAT-01-100322MS

Tgt Ion:113 Resp: 11375  
Ion Ratio Lower Upper  
113 100  
55 177.2 155.4 195.4  
56 134.7 120.4 160.4

Manual Integrations

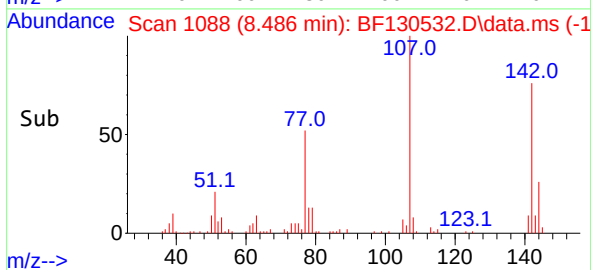
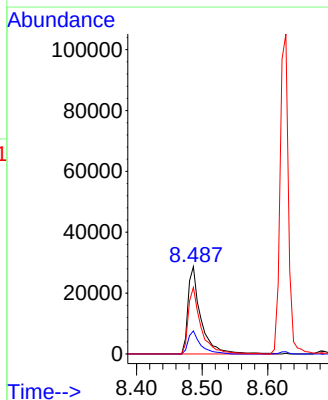
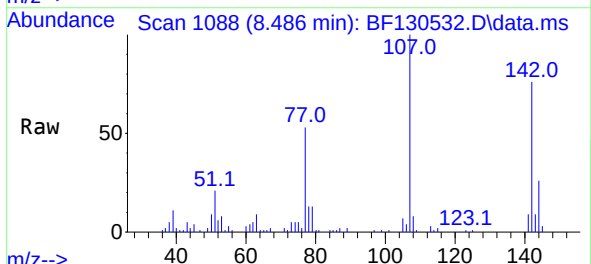
APPROVED

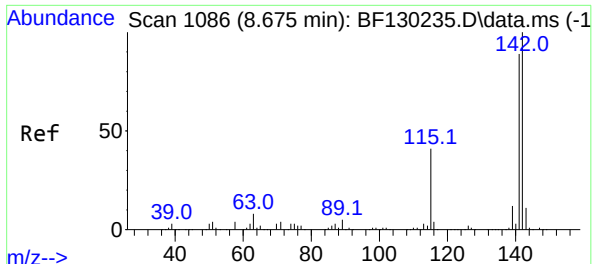
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022



#36  
4-Chloro-3-methylphenol  
Concen: 8.572 ng  
RT: 8.486 min Scan# 1088  
Delta R.T. 0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

Tgt Ion:107 Resp: 38954  
Ion Ratio Lower Upper  
107 100  
144 26.3 20.0 30.0  
142 76.1 61.3 91.9





#37

2-Methylnaphthalene

Concen: 9.537 ng

RT: 8.628 min Scan# 1112

Delta R.T. 0.000 min

Lab File: BF130532.D

Acq: 05 Oct 2022 16:32

Instrument :

BNA\_F

ClientSampleId :

PAT-01-100322MS

Tgt Ion:142 Resp: 93424

Ion Ratio Lower Upper

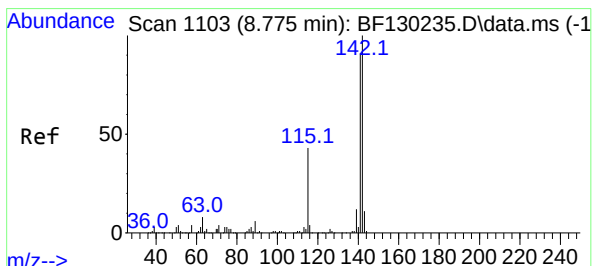
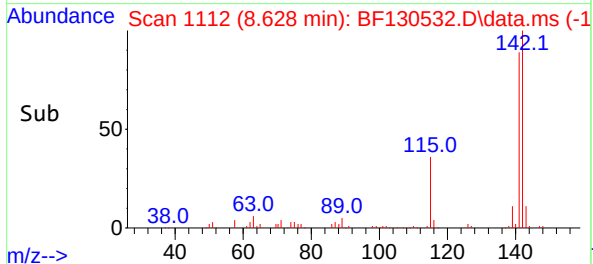
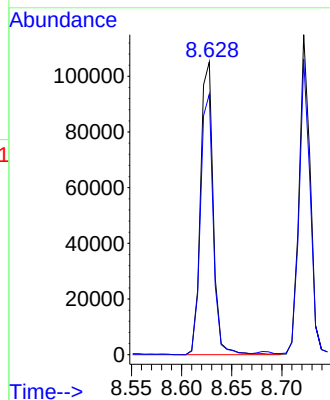
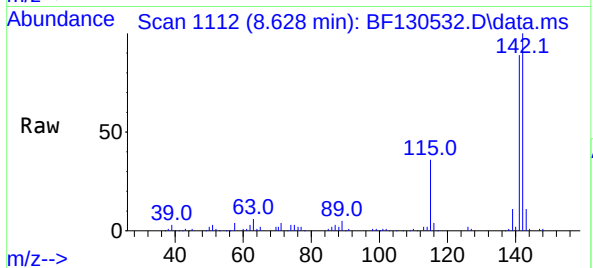
142 100

141 89.0 70.0 105.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022



#38

1-Methylnaphthalene

Concen: 9.281 ng

RT: 8.722 min Scan# 1128

Delta R.T. -0.006 min

Lab File: BF130532.D

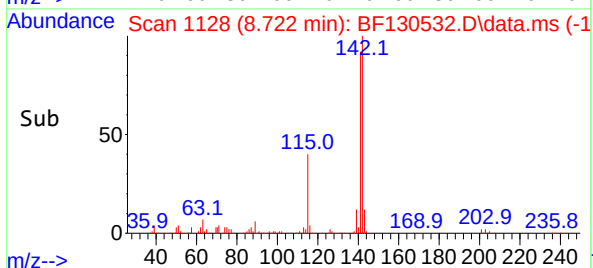
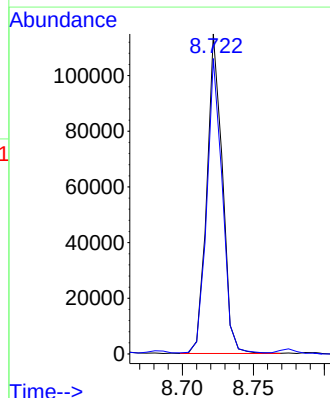
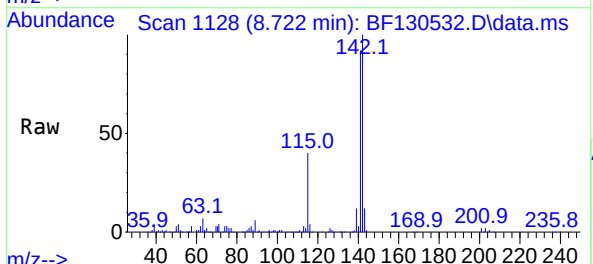
Acq: 05 Oct 2022 16:32

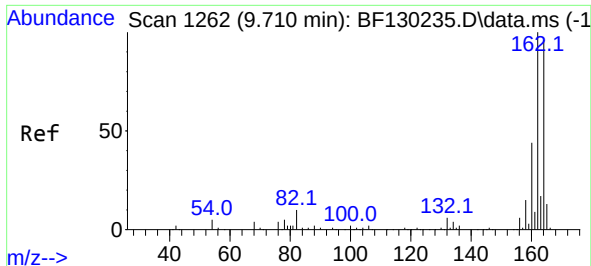
Tgt Ion:142 Resp: 87344

Ion Ratio Lower Upper

142 100

141 92.3 73.8 110.8





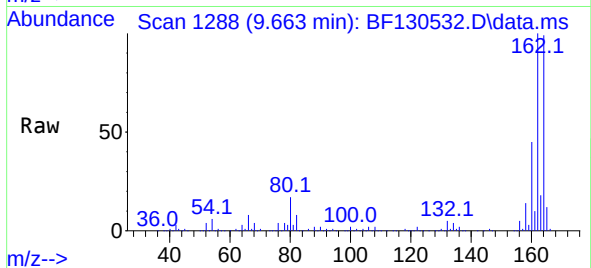
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.663 min Scan# 1140  
Delta R.T. -0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

Instrument :

BNA\_F

ClientSampleId :

PAT-01-100322MS

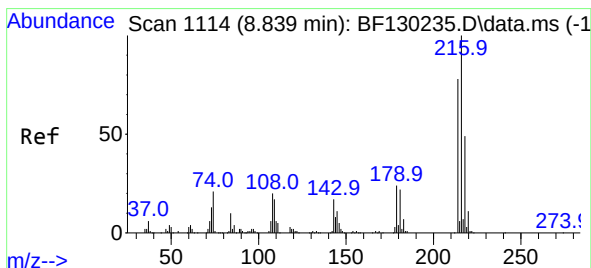
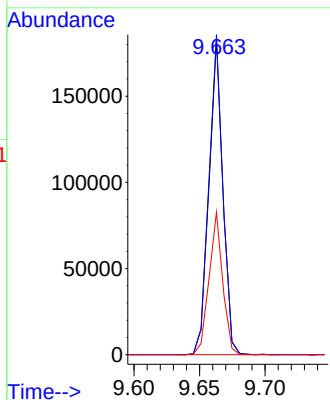
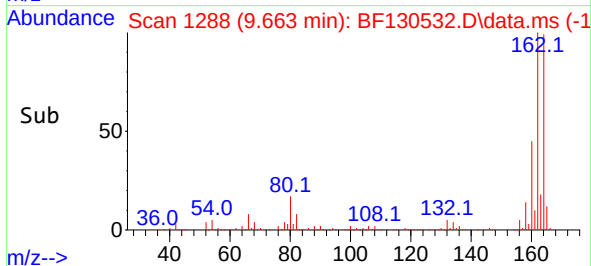


Tgt Ion:164 Resp: 134825  
Ion Ratio Lower Upper  
164 100  
162 101.5 81.4 122.0  
160 45.2 36.2 54.4

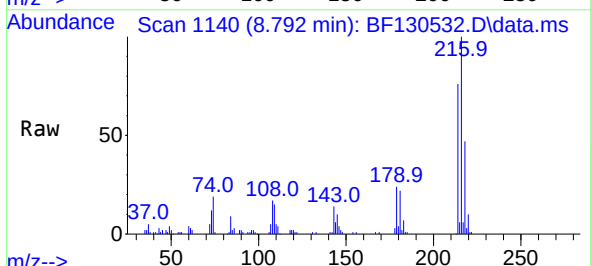
Manual Integrations

APPROVED

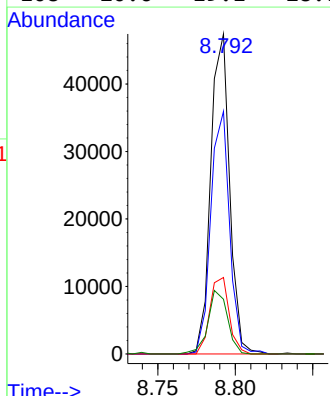
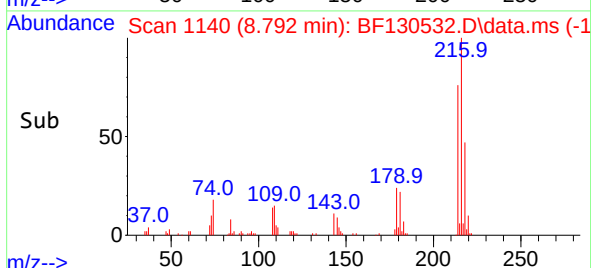
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022

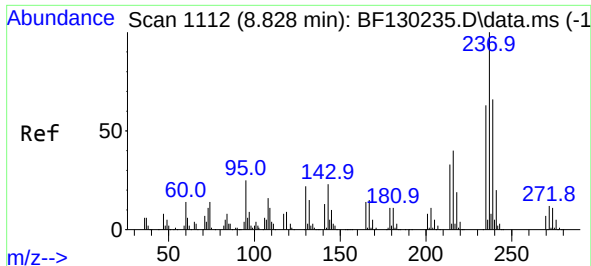


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 10.901 ng  
RT: 8.792 min Scan# 1140  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32



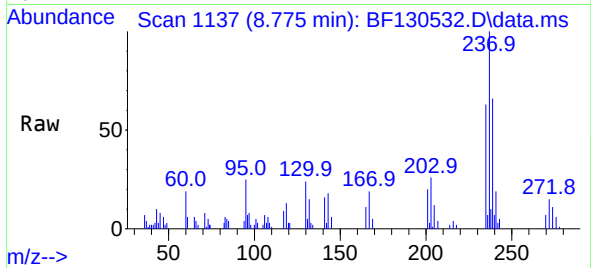
Tgt Ion:216 Resp: 40110  
Ion Ratio Lower Upper  
216 100  
214 75.7 62.8 94.2  
179 24.5 19.5 29.3  
108 20.6 19.1 28.7





#41  
Hexachlorocyclopentadiene  
Concen: 4.128 ng  
RT: 8.775 min Scan# 1112  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

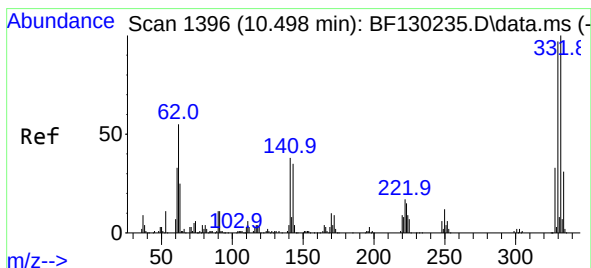
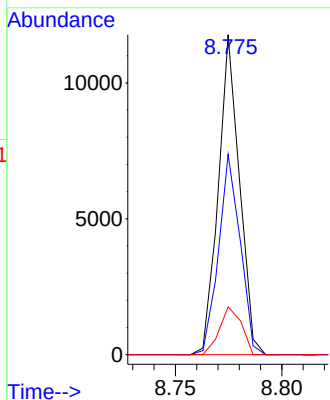
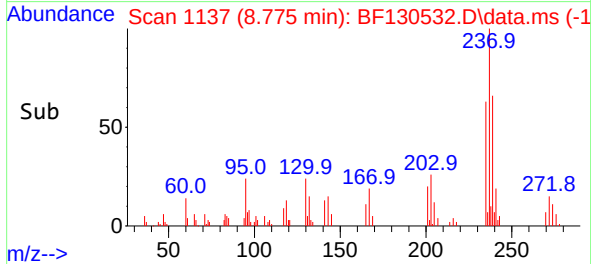
Instrument :  
BNA\_F  
ClientSampleId :  
PAT-01-100322MS



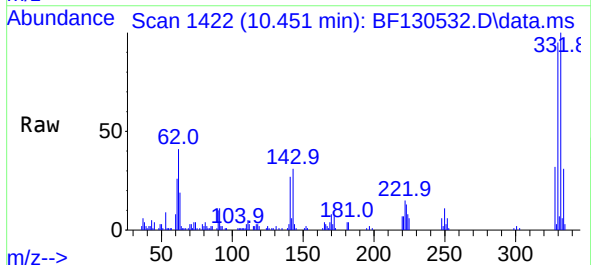
Tgt Ion: 237 Resp: 813  
Ion Ratio Lower Upper  
237 100  
235 62.6 42.5 82.5  
272 14.9 0.0 32.8

Manual Integrations  
APPROVED

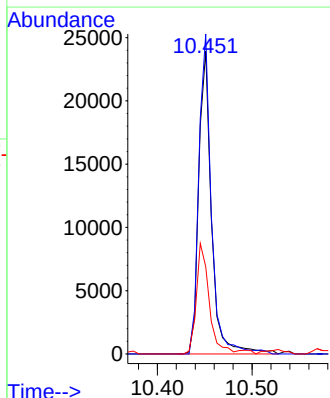
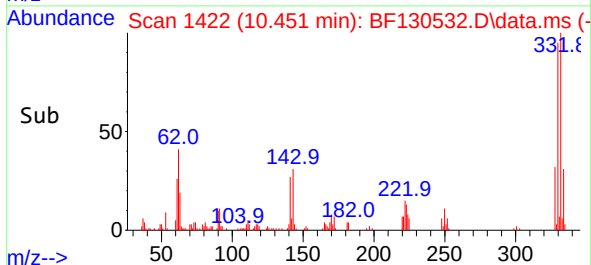
Reviewed By : Christian Giraldo 10/06/2022  
Supervised By : mohammad ahmed 10/14/2022



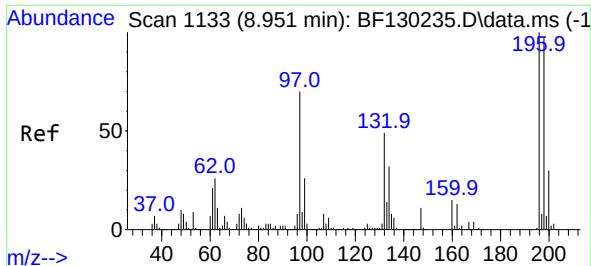
#42  
2,4,6-Tribromophenol  
Concen: 17.457 ng  
RT: 10.451 min Scan# 1422  
Delta R.T. -0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32



Tgt Ion: 330 Resp: 22553  
Ion Ratio Lower Upper  
330 100  
332 103.8 83.4 125.2  
141 37.6 34.0 51.0

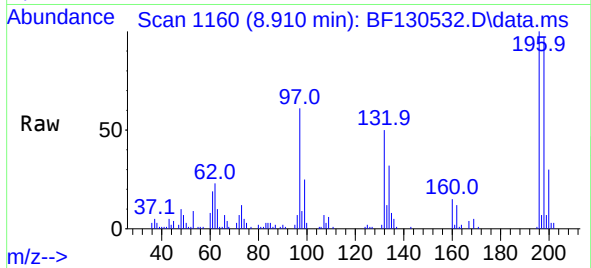






#43  
2,4,6-Trichlorophenol  
Concen: 9.061 ng  
RT: 8.910 min Scan# 1160  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

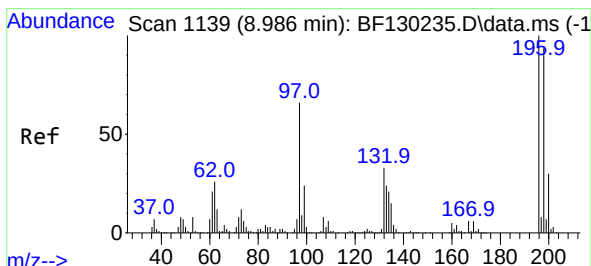
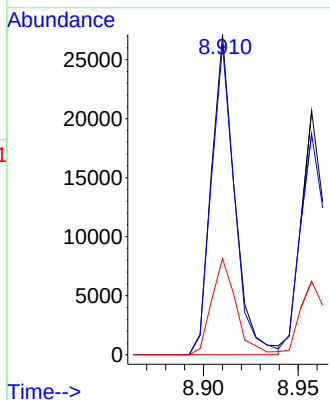
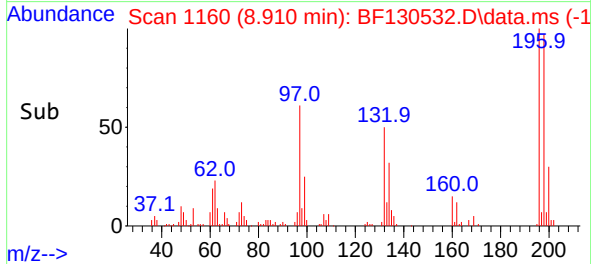
Instrument :  
BNA\_F  
ClientSampleId :  
PAT-01-100322MS



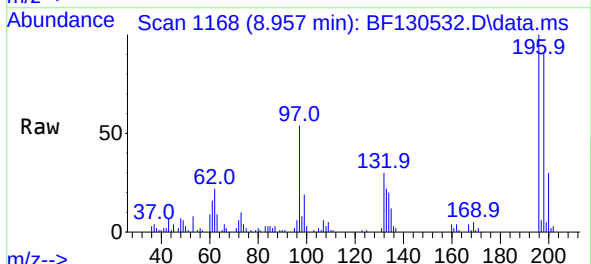
Tgt Ion:196 Resp: 23269  
Ion Ratio Lower Upper  
196 100  
198 96.9 72.4 108.6  
200 30.0 23.8 35.6

Manual Integrations  
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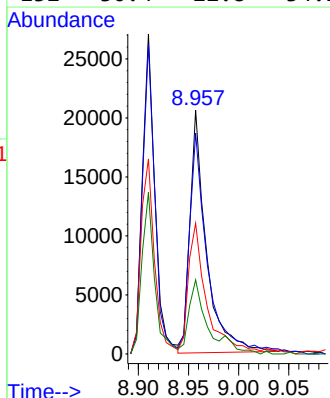
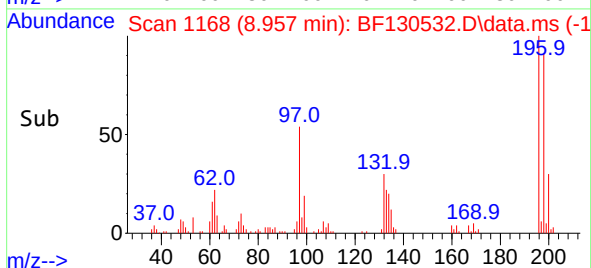
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022

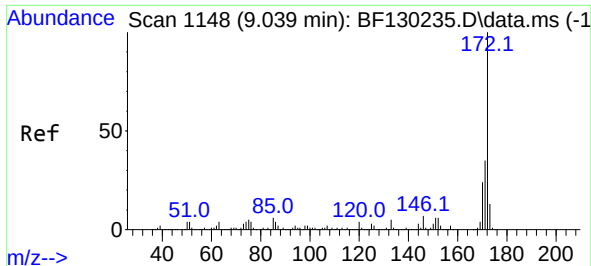


#44  
2,4,5-Trichlorophenol  
Concen: 8.442 ng  
RT: 8.957 min Scan# 1168  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32



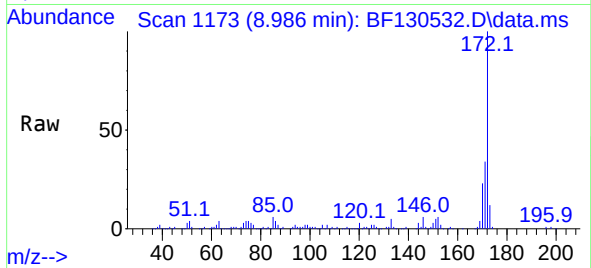
Tgt Ion:196 Resp: 23392  
Ion Ratio Lower Upper  
196 100  
198 90.7 74.8 112.2  
97 53.6 43.7 65.5  
132 30.4 22.8 34.2





#45  
2-Fluorobiphenyl  
Concen: 14.586 ng  
RT: 8.986 min Scan# 1190  
Delta R.T. -0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

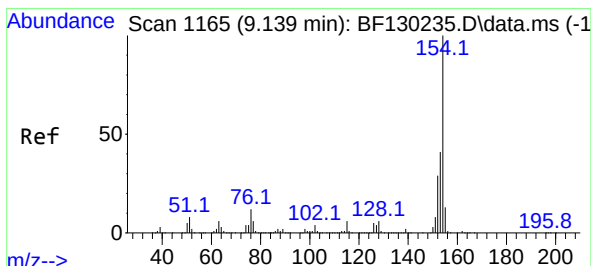
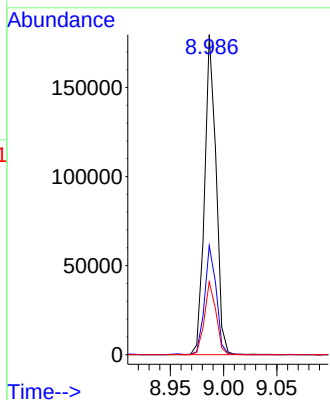
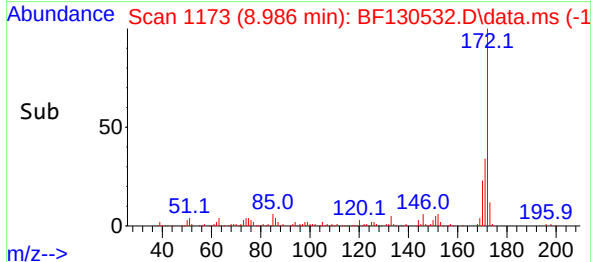
Instrument :  
BNA\_F  
ClientSampleId :  
PAT-01-100322MS



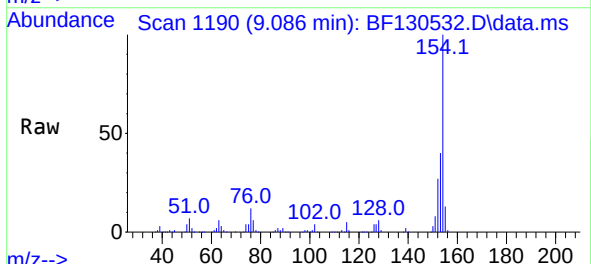
Tgt Ion:172 Resp: 13505  
Ion Ratio Lower Upper  
172 100  
171 34.1 28.3 42.5  
170 22.8 18.7 28.1

Manual Integrations  
APPROVED

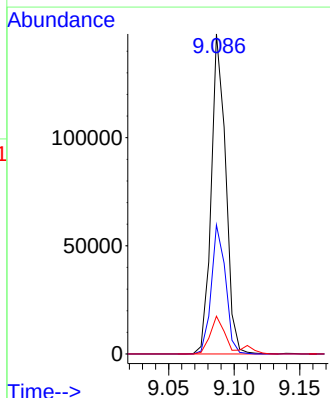
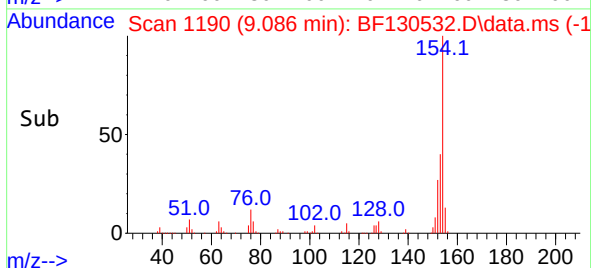
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022

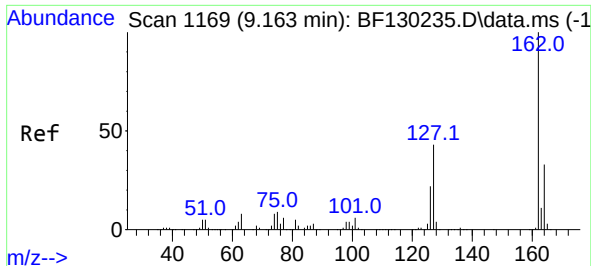


#46  
1,1'-Biphenyl  
Concen: 11.263 ng  
RT: 9.086 min Scan# 1190  
Delta R.T. -0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32



Tgt Ion:154 Resp: 113409  
Ion Ratio Lower Upper  
154 100  
153 40.3 20.0 60.0  
76 11.8 0.0 33.3





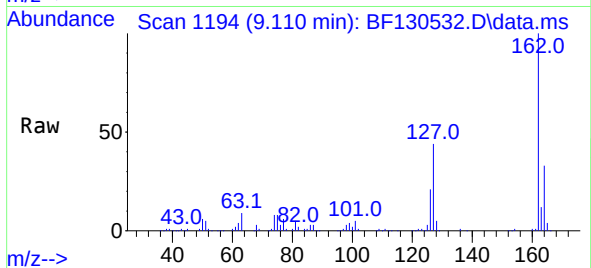
#47  
2-Chloronaphthalene  
Concen: 10.260 ng  
RT: 9.110 min Scan# 1169  
Delta R.T. -0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

Instrument :

BNA\_F

ClientSampleId :

PAT-01-100322MS

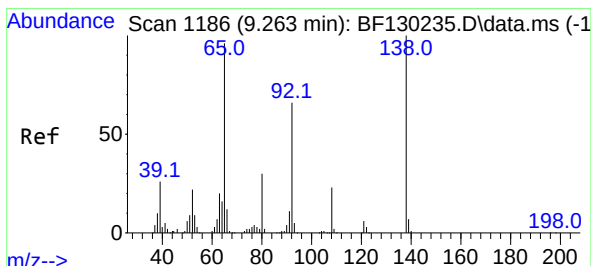
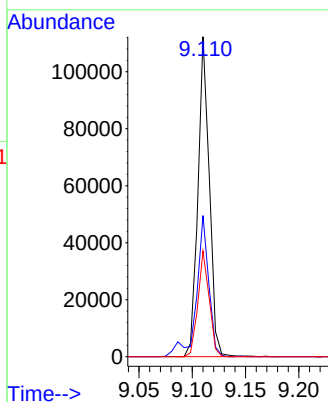
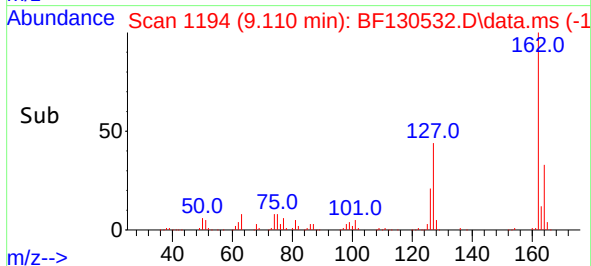


Tgt Ion:162 Resp: 83570  
Ion Ratio Lower Upper  
162 100  
127 44.1 35.9 53.9  
164 33.0 26.2 39.2

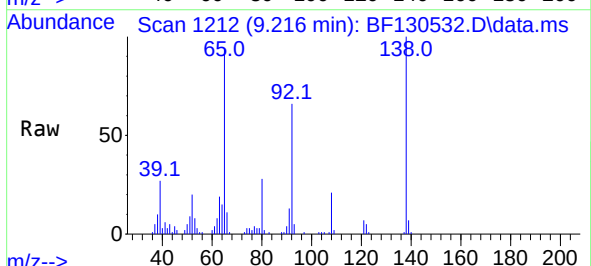
Manual Integrations

APPROVED

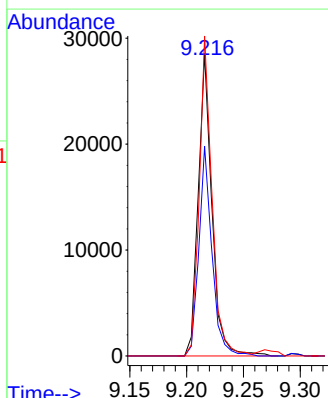
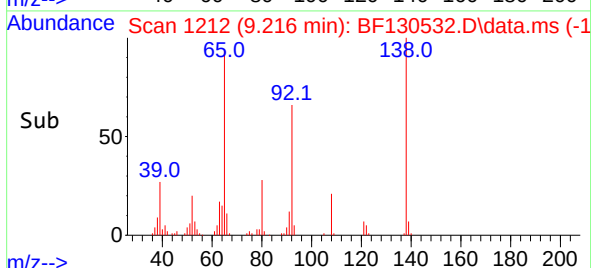
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022

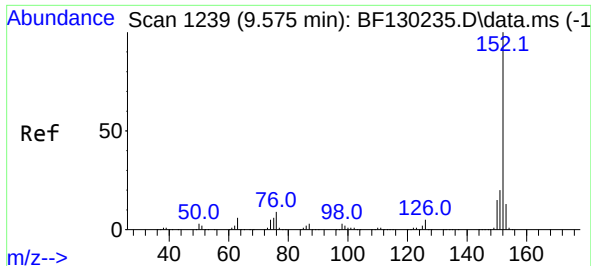


#48  
2-Nitroaniline  
Concen: 8.806 ng  
RT: 9.216 min Scan# 1212  
Delta R.T. -0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32



Tgt Ion: 65 Resp: 23924  
Ion Ratio Lower Upper  
65 100  
92 69.4 52.2 78.4  
138 105.9 77.0 115.4





#49

Acenaphthylene

Concen: 9.815 ng

RT: 9.522 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130532.D

Acq: 05 Oct 2022 16:32

Instrument :

BNA\_F

ClientSampleId :

PAT-01-100322MS

Tgt Ion:152 Resp: 11986

Ion Ratio Lower Upper

152 100

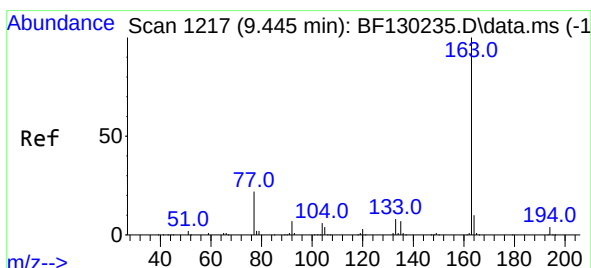
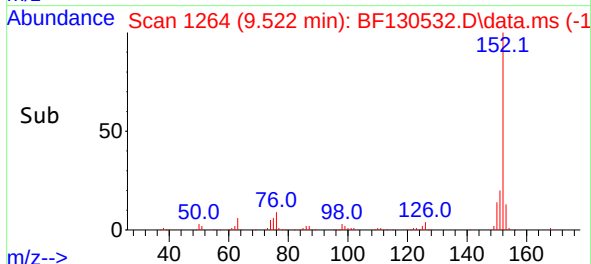
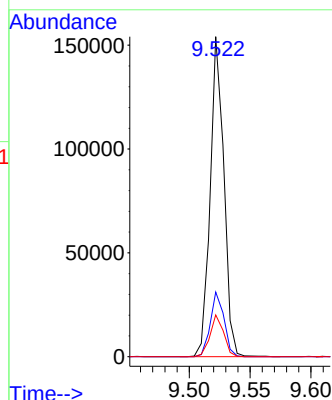
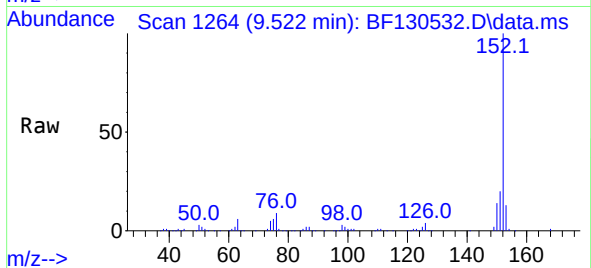
151 20.2 16.2 24.2

153 13.1 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022



#50

Dimethylphthalate

Concen: 10.481 ng

RT: 9.392 min Scan# 1242

Delta R.T. -0.006 min

Lab File: BF130532.D

Acq: 05 Oct 2022 16:32

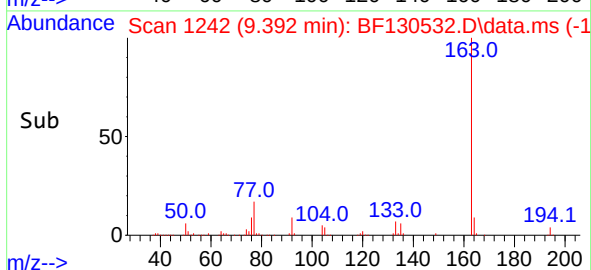
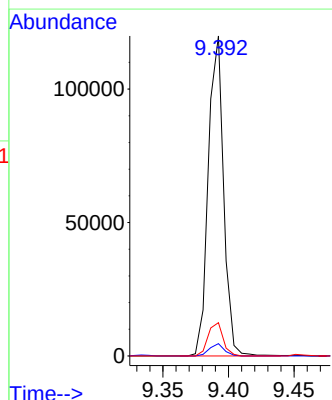
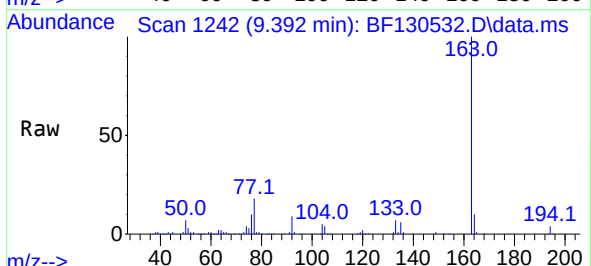
Tgt Ion:163 Resp: 97613

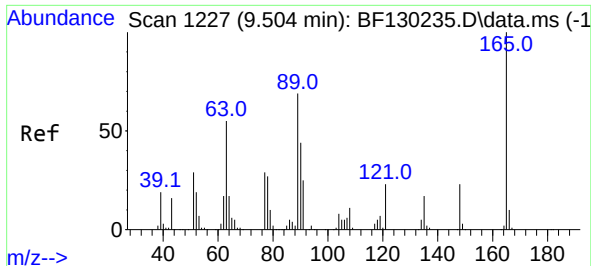
Ion Ratio Lower Upper

163 100

194 3.8 2.8 4.2

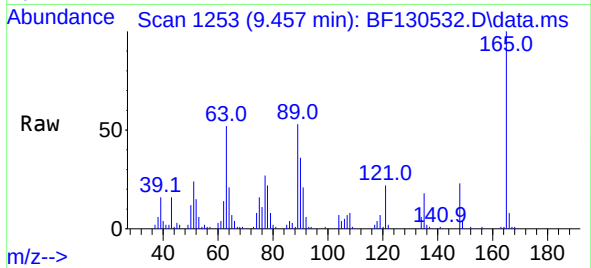
164 10.4 8.2 12.2





#51  
2,6-Dinitrotoluene  
Concen: 10.085 ng  
RT: 9.457 min Scan# 1227  
Delta R.T. -0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

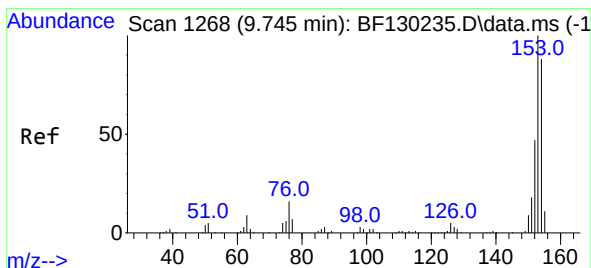
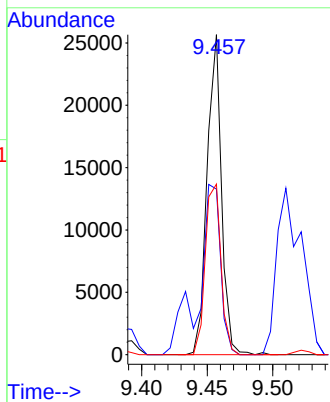
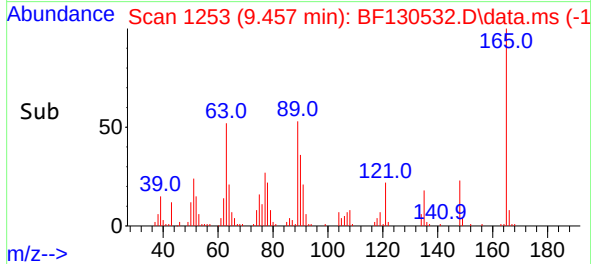
Instrument :  
BNA\_F  
ClientSampleId :  
PAT-01-100322MS



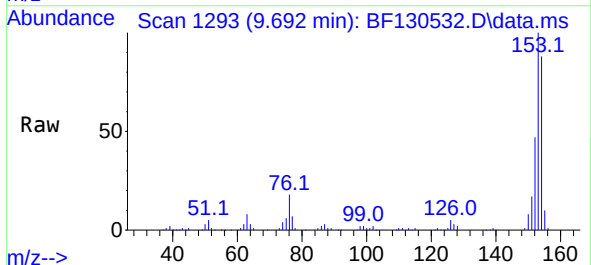
Tgt Ion:165 Resp: 19642  
Ion Ratio Lower Upper  
165 100  
63 51.7 58.8 88.2  
89 53.3 54.5 81.7

Manual Integrations  
APPROVED

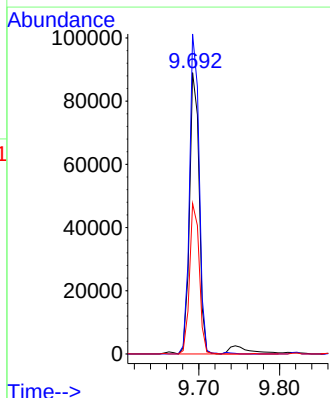
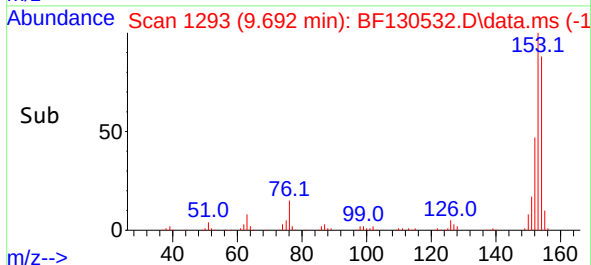
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022

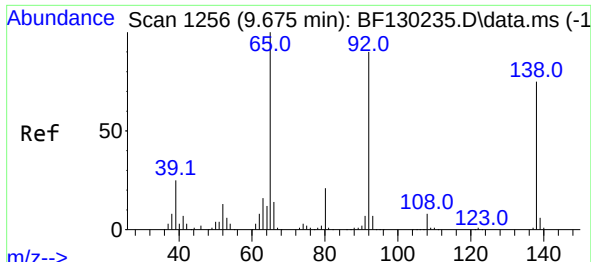


#52  
Acenaphthene  
Concen: 9.705 ng m  
RT: 9.692 min Scan# 1293  
Delta R.T. -0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32



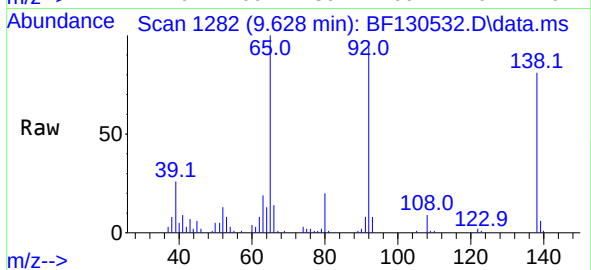
Tgt Ion:154 Resp: 77872  
Ion Ratio Lower Upper  
154 100  
153 113.7 90.6 136.0  
152 53.4 43.8 65.6





#53  
3-Nitroaniline  
Concen: 6.640 ng  
RT: 9.628 min Scan# 1302  
Delta R.T. -0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

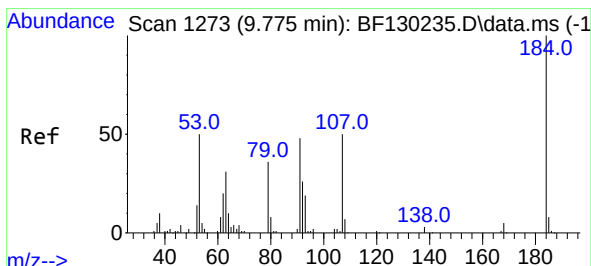
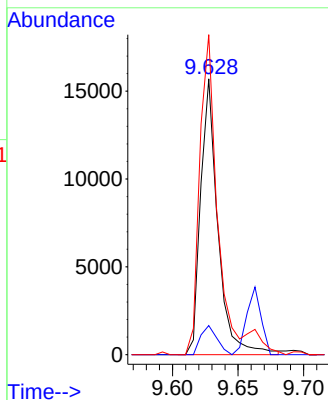
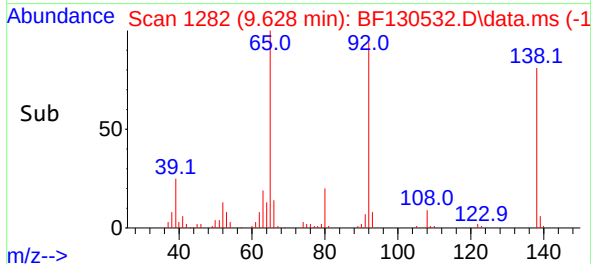
Instrument :  
BNA\_F  
ClientSampleId :  
PAT-01-100322MS



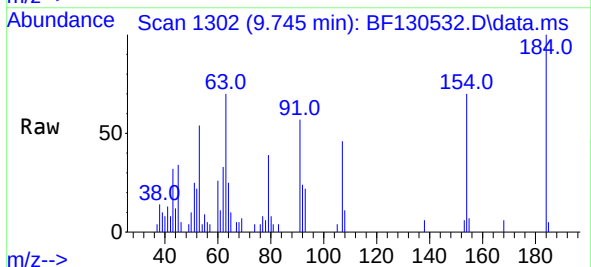
Tgt Ion:138 Resp: 1441  
Ion Ratio Lower Upper  
138 100  
108 10.5 9.2 13.8  
92 116.0 99.2 148.8

Manual Integrations  
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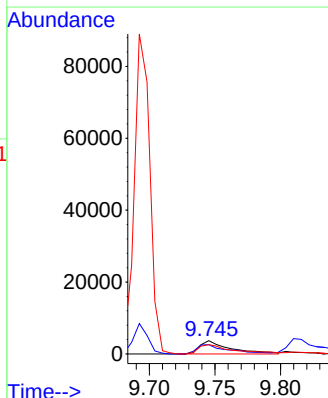
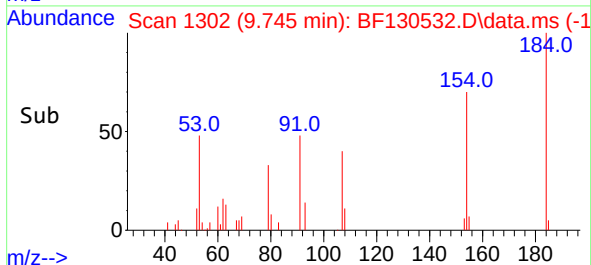
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022

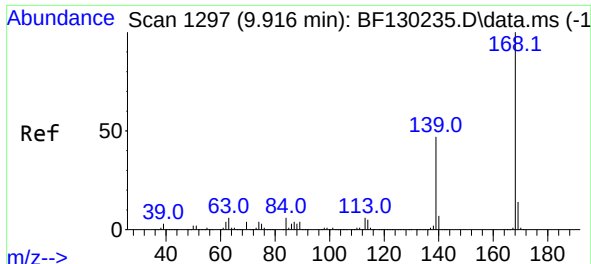


#54  
2,4-Dinitrophenol  
Concen: 11.380 ng  
RT: 9.745 min Scan# 1302  
Delta R.T. 0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32



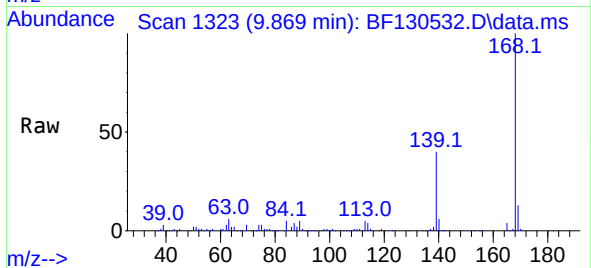
Tgt Ion:184 Resp: 5875  
Ion Ratio Lower Upper  
184 100  
63 69.9 70.0 105.0#  
154 70.5 63.0 94.6





#55  
Dibenzenofuran  
Concen: 10.001 ng  
RT: 9.869 min Scan# 111624  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

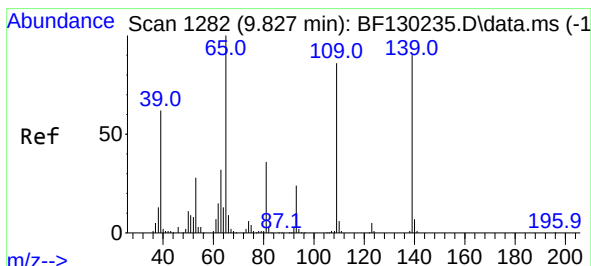
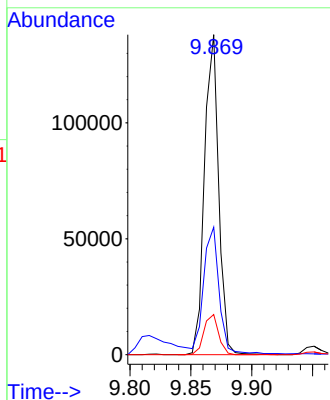
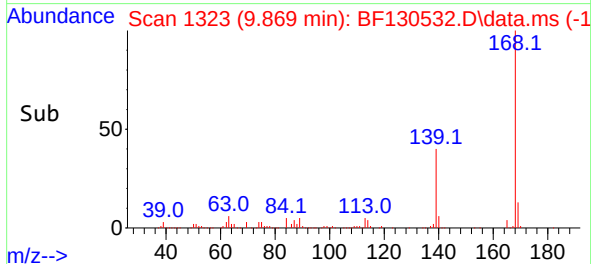
Instrument :  
BNA\_F  
ClientSampleId :  
PAT-01-100322MS



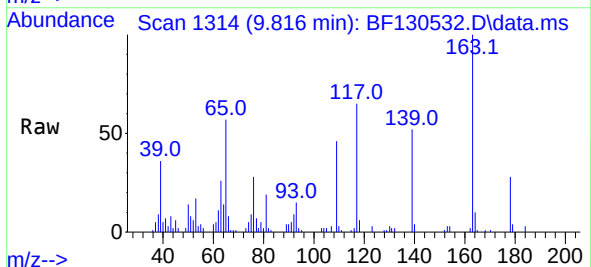
Tgt Ion:168 Resp: 111624  
Ion Ratio Lower Upper  
168 100  
139 39.8 35.0 52.4  
169 12.6 10.9 16.3

Manual Integrations  
APPROVED

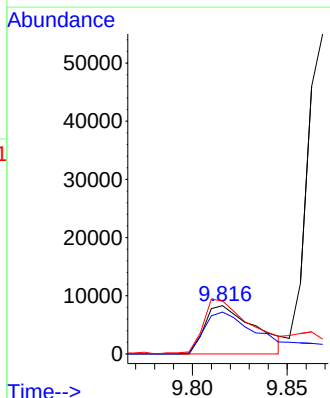
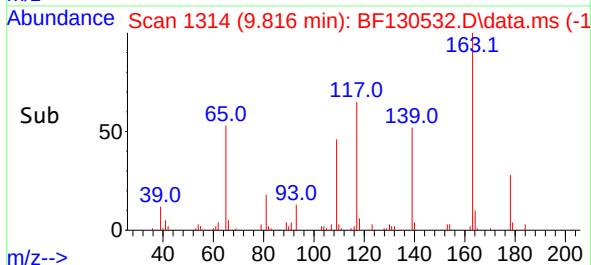
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022

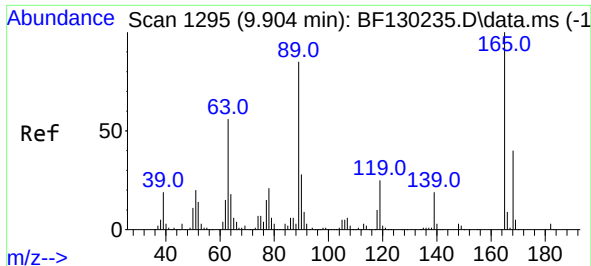


#56  
4-Nitrophenol  
Concen: 9.586 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. 0.012 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32



Tgt Ion:139 Resp: 15153  
Ion Ratio Lower Upper  
139 100  
109 86.9 72.2 112.2  
65 109.6 97.7 137.7





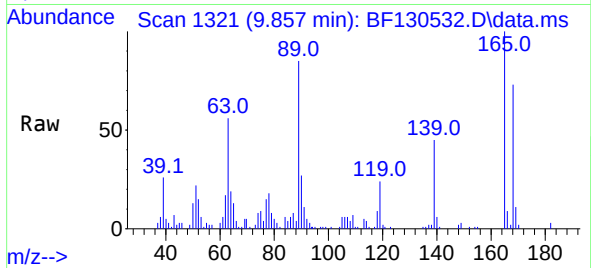
#57  
2,4-Dinitrotoluene  
Concen: 9.562 ng  
RT: 9.857 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

Instrument :

BNA\_F

ClientSampleId :

PAT-01-100322MS

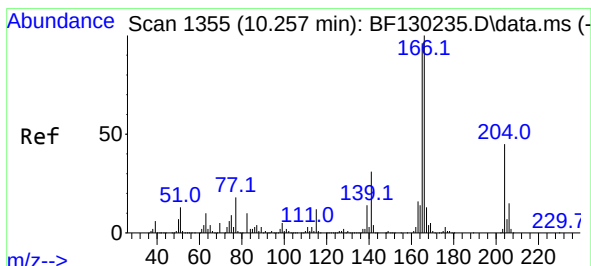
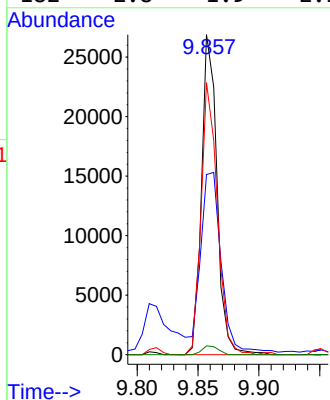
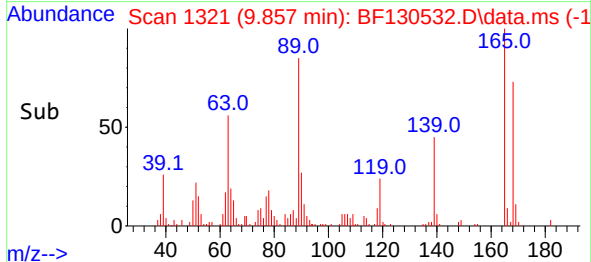


Tgt Ion:165 Resp: 2380  
Ion Ratio Lower Upper  
165 100  
63 56.3 44.7 67.1  
89 85.0 69.0 103.4  
182 2.8 1.9 2.9

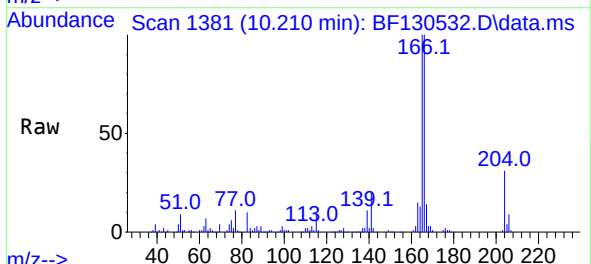
Manual Integrations

APPROVED

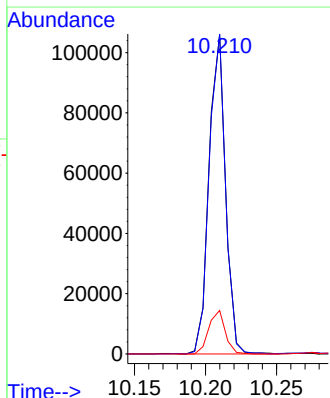
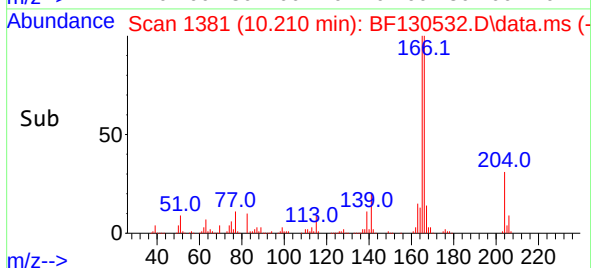
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022



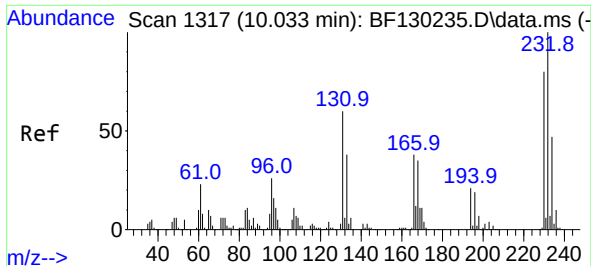
#58  
Fluorene  
Concen: 9.399 ng  
RT: 10.210 min Scan# 1381  
Delta R.T. -0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32



Tgt Ion:166 Resp: 85788  
Ion Ratio Lower Upper  
166 100  
165 100.2 78.8 118.2  
167 13.6 10.6 15.8







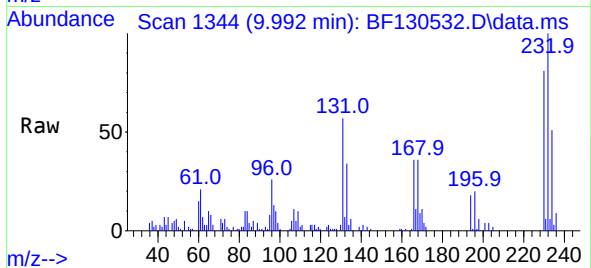
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 7.517 ng  
RT: 9.992 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

Instrument :

BNA\_F

ClientSampleId :

PAT-01-100322MS

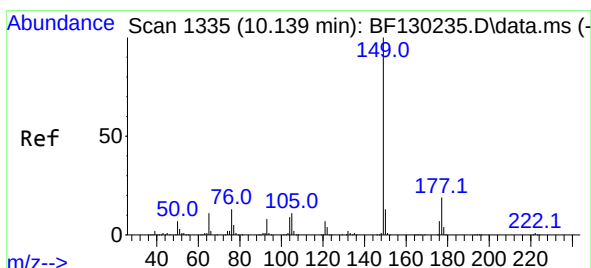
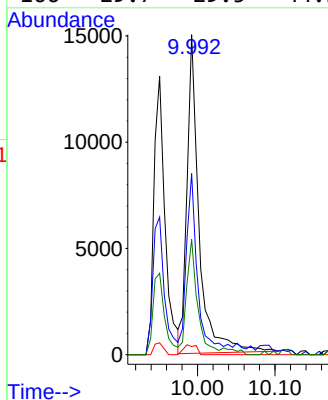
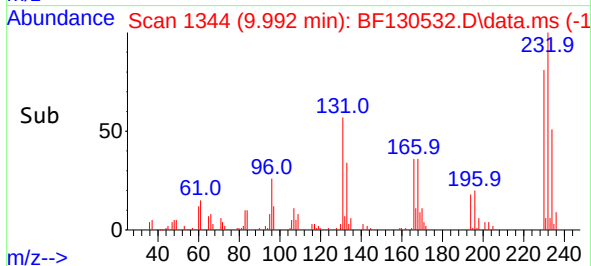


Tgt Ion:232 Resp: 16304  
Ion Ratio Lower Upper  
232 100  
131 53.9 46.4 69.6  
130 3.3 2.3 3.5  
166 29.7 29.5 44.3

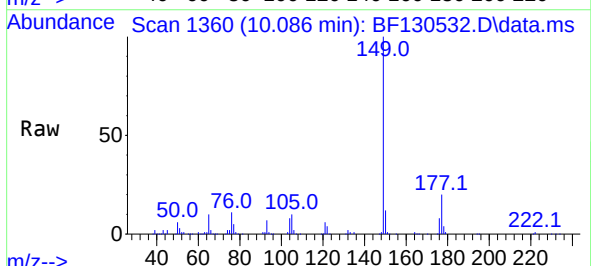
Manual Integrations

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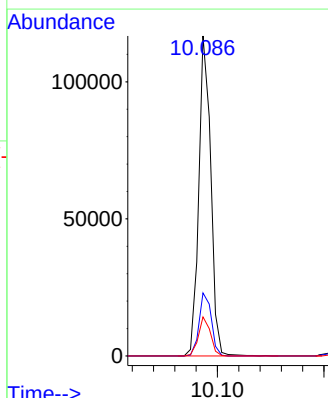
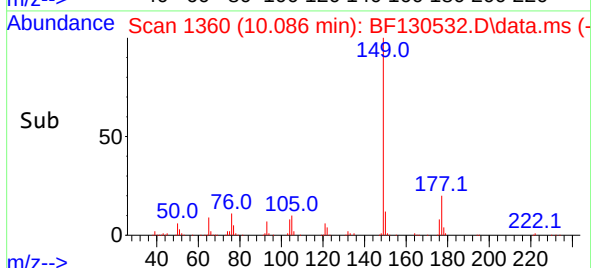
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022

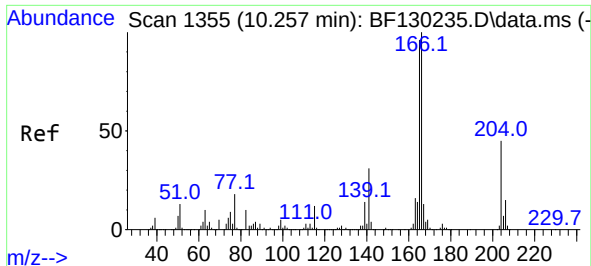


#60  
Diethylphthalate  
Concen: 9.782 ng  
RT: 10.086 min Scan# 1360  
Delta R.T. -0.012 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32



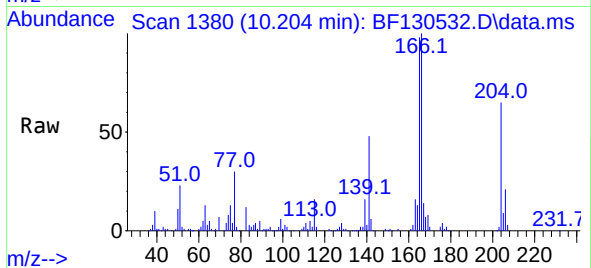
Tgt Ion:149 Resp: 91355  
Ion Ratio Lower Upper  
149 100  
177 19.7 16.1 24.1  
150 12.2 9.9 14.9





#61  
4-Chlorophenyl-phenylether  
Concen: 9.719 ng  
RT: 10.204 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

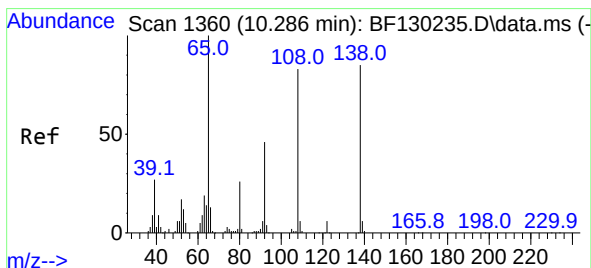
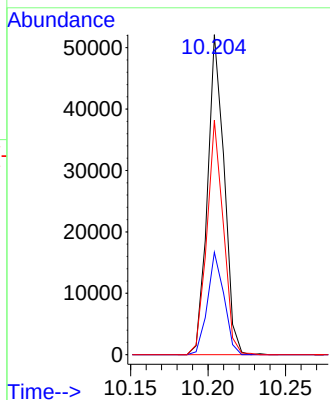
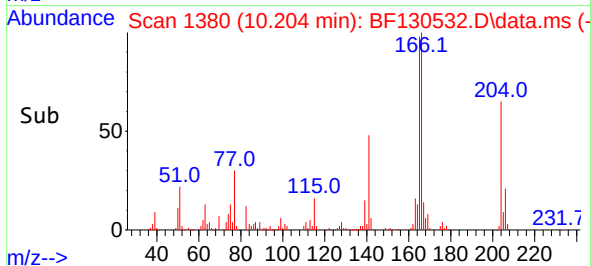
Instrument :  
BNA\_F  
ClientSampleId :  
PAT-01-100322MS



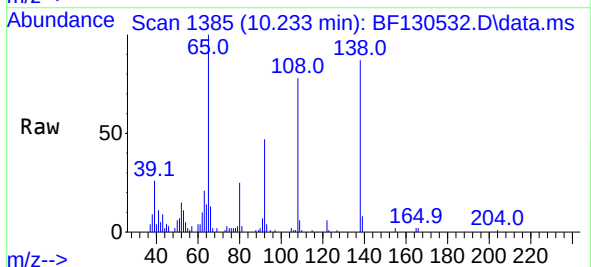
Tgt Ion:204 Resp: 3891  
Ion Ratio Lower Upper  
204 100  
206 32.0 26.6 39.8  
141 73.2 57.1 85.7

Manual Integrations  
APPROVED

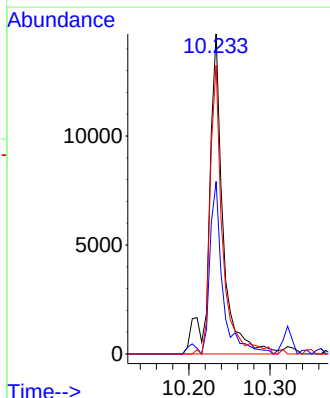
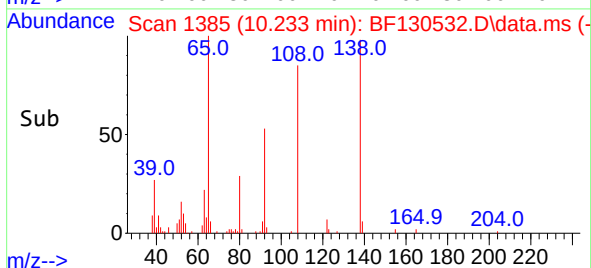
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022

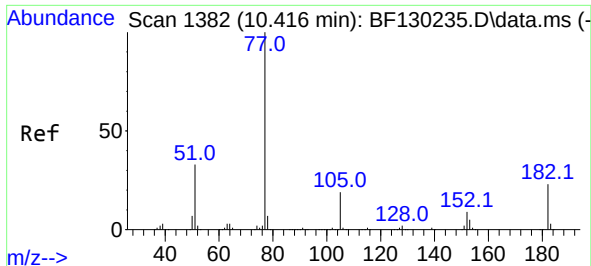


#62  
4-Nitroaniline  
Concen: 7.874 ng  
RT: 10.233 min Scan# 1385  
Delta R.T. -0.012 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32



Tgt Ion:138 Resp: 17167  
Ion Ratio Lower Upper  
138 100  
92 53.9 36.7 76.7  
108 90.2 78.2 118.2





#63  
Azobenzene  
Concen: 8.566 ng  
RT: 10.363 min Scan# 1407  
Delta R.T. -0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

Instrument :

BNA\_F

ClientSampleId :

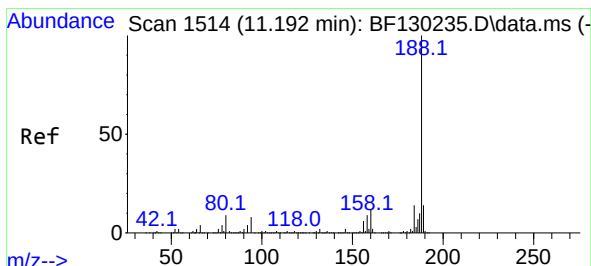
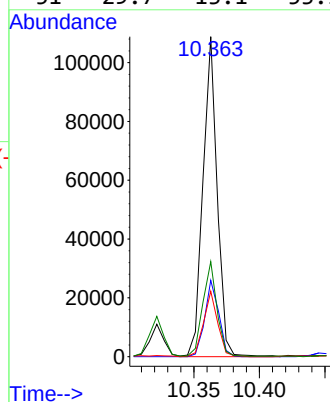
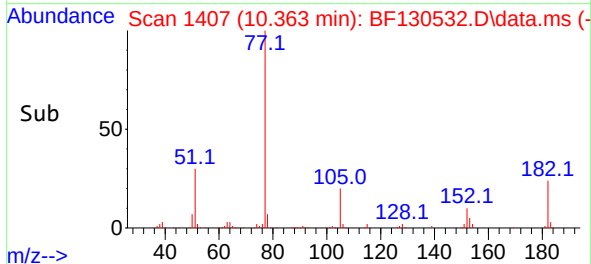
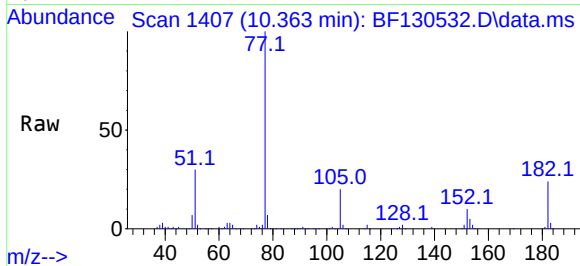
PAT-01-100322MS

Tgt Ion: 77 Resp: 8237  
Ion Ratio Lower Upper  
77 100  
182 23.8 2.1 42.1  
105 20.5 0.0 39.4  
51 29.7 13.1 53.1

Manual Integrations

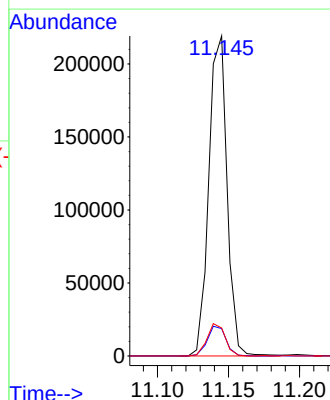
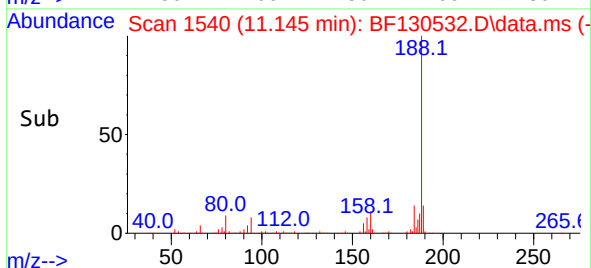
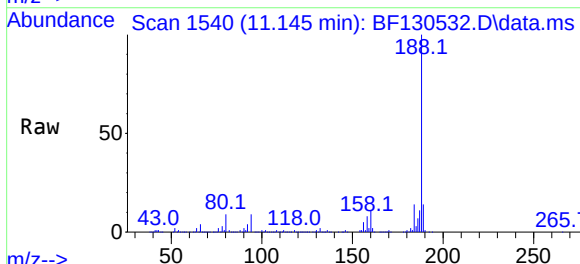
APPROVED

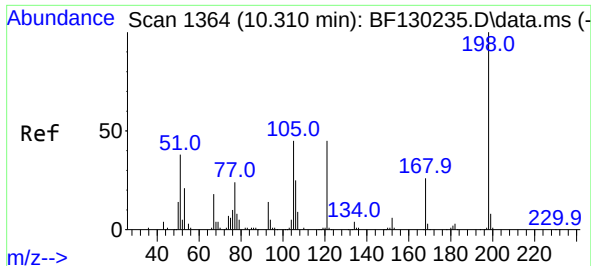
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.145 min Scan# 1540  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

Tgt Ion:188 Resp: 196425  
Ion Ratio Lower Upper  
188 100  
94 8.5 7.4 11.2  
80 8.7 7.9 11.9





#65  
4,6-Dinitro-2-methylphenol  
Concen: 5.132 ng  
RT: 10.269 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

Instrument :

BNA\_F

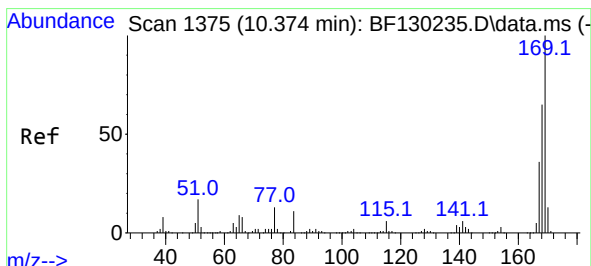
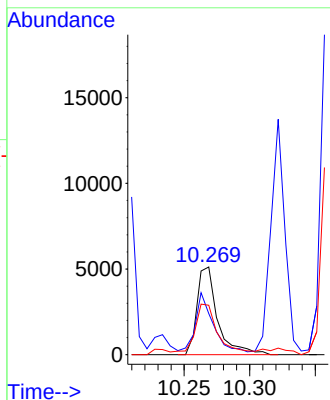
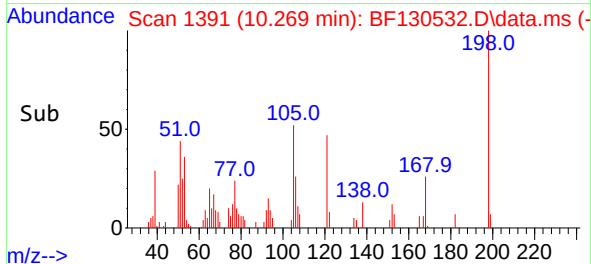
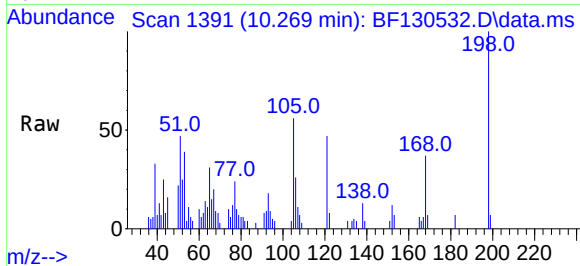
ClientSampleId :

PAT-01-100322MS

Tgt Ion:198 Resp: 561  
Ion Ratio Lower Upper  
198 100  
51 46.9 36.9 76.9  
105 56.3 33.0 73.0

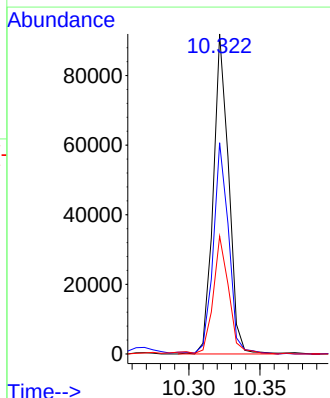
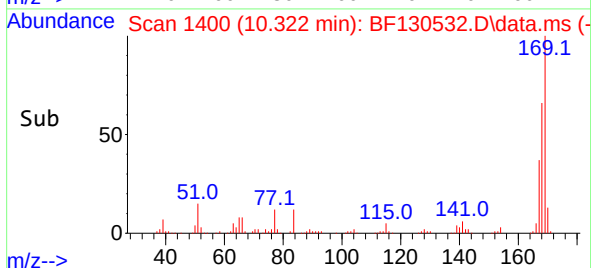
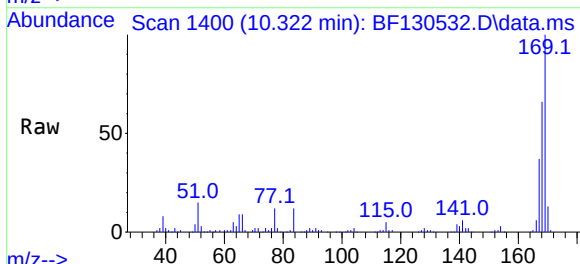
Manual Integrations  
APPROVED

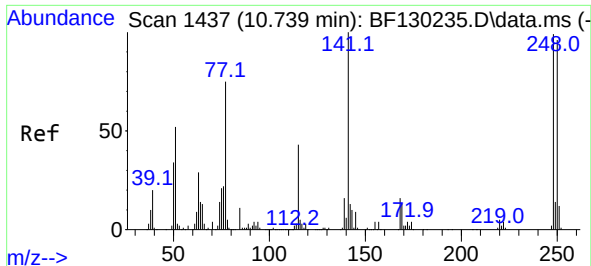
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022



#66  
n-Nitrosodiphenylamine  
Concen: 10.564 ng  
RT: 10.322 min Scan# 1400  
Delta R.T. -0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

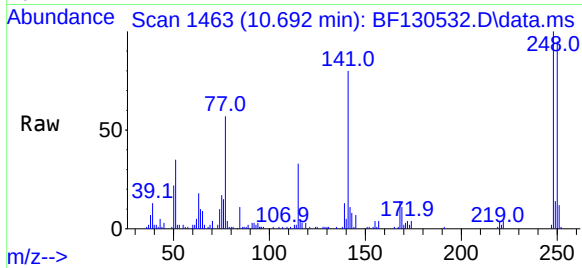
Tgt Ion:169 Resp: 69341  
Ion Ratio Lower Upper  
169 100  
168 66.0 53.2 79.8  
167 36.8 29.2 43.8





#67  
4-Bromophenyl-phenylether  
Concen: 10.722 ng  
RT: 10.692 min Scan# 1463  
Delta R.T. -0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

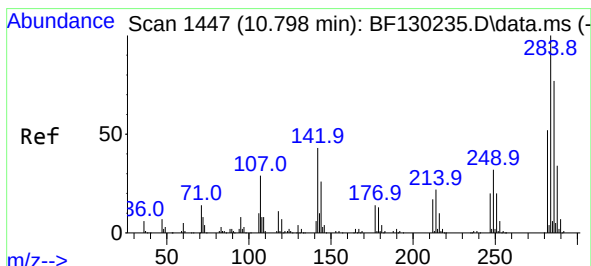
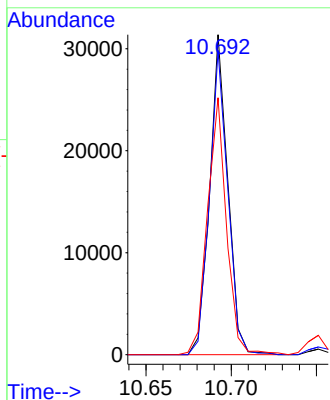
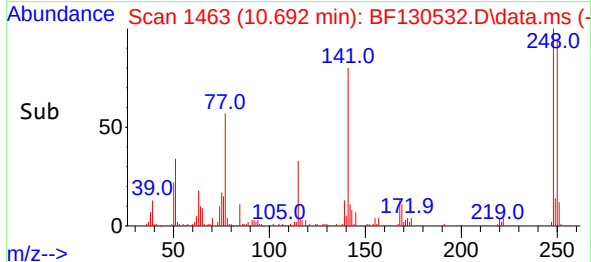
Instrument :  
BNA\_F  
ClientSampleId :  
PAT-01-100322MS



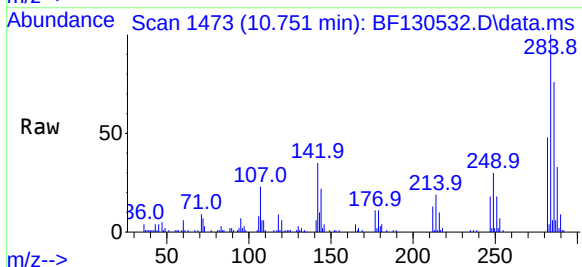
Tgt Ion:248 Resp: 23234  
Ion Ratio Lower Upper  
248 100  
250 95.1 80.0 120.0  
141 80.3 68.5 102.7

Manual Integrations  
APPROVED

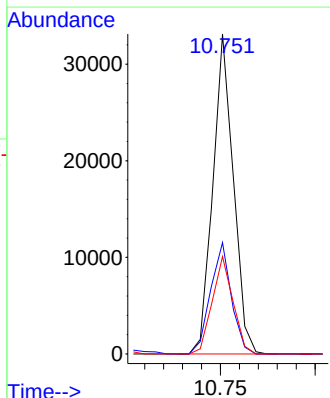
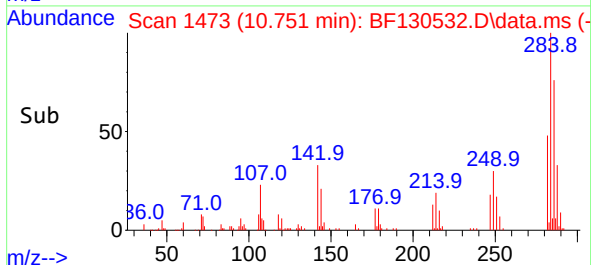
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022

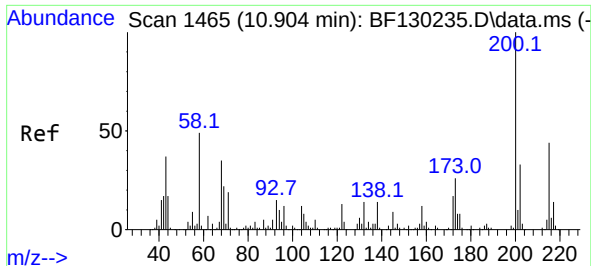


#68  
Hexachlorobenzene  
Concen: 10.159 ng  
RT: 10.751 min Scan# 1473  
Delta R.T. -0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32



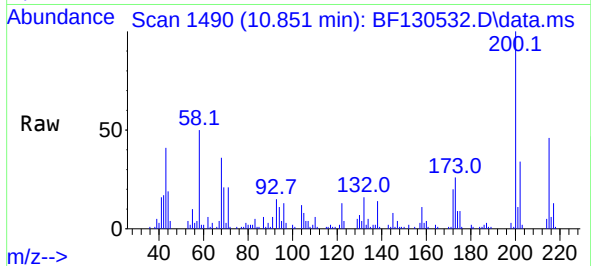
Tgt Ion:284 Resp: 24953  
Ion Ratio Lower Upper  
284 100  
142 34.8 27.2 40.8  
249 32.7 23.8 35.8





#69  
Atrazine  
Concen: 10.696 ng  
RT: 10.851 min Scan# 1465  
Delta R.T. -0.012 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

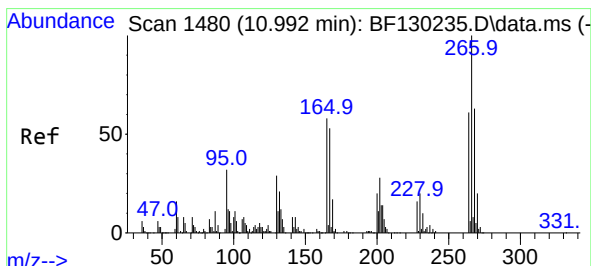
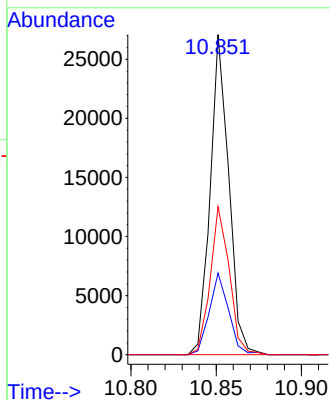
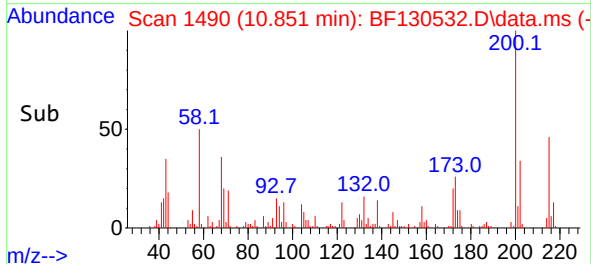
Instrument :  
BNA\_F  
ClientSampleId :  
PAT-01-100322MS



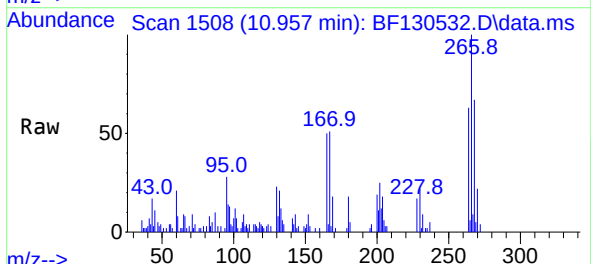
Tgt Ion:200 Resp: 20517  
Ion Ratio Lower Upper  
200 100  
173 25.5 6.2 46.2  
215 46.2 22.5 62.5

Manual Integrations  
APPROVED

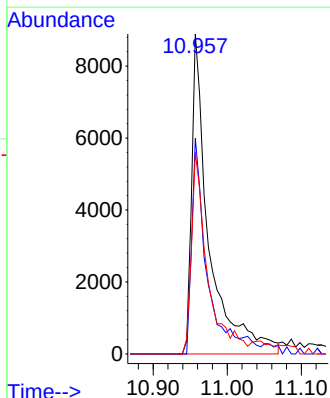
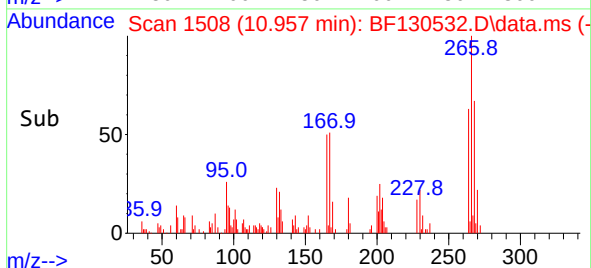
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022

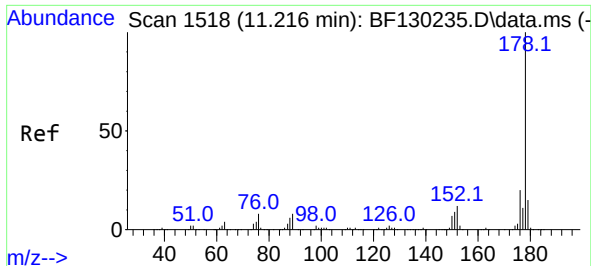


#70  
Pentachlorophenol  
Concen: 11.024 ng  
RT: 10.957 min Scan# 1508  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32



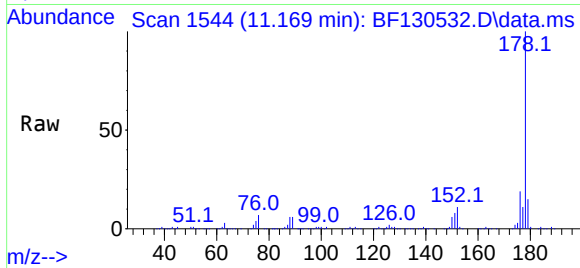
Tgt Ion:266 Resp: 14533  
Ion Ratio Lower Upper  
266 100  
268 67.4 50.5 75.7  
264 63.0 50.5 75.7





#71  
Phenanthrene  
Concen: 14.002 ng  
RT: 11.169 min Scan# 1544  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

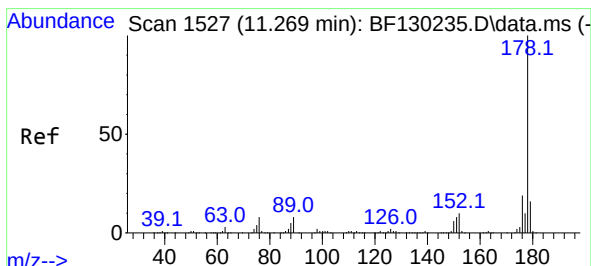
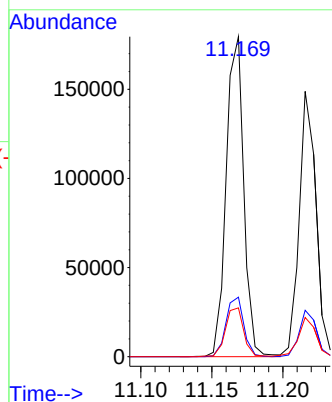
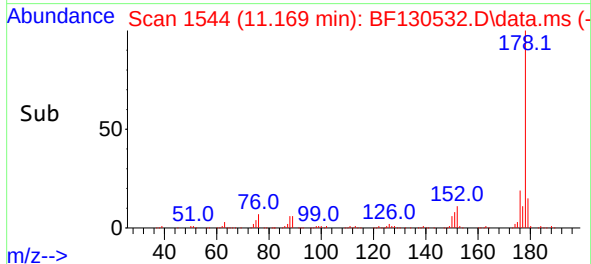
Instrument :  
BNA\_F  
ClientSampleId :  
PAT-01-100322MS



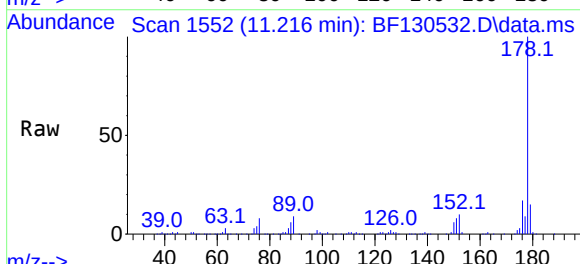
Tgt Ion:178 Resp: 15441  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.4 23.0  
179 15.2 12.4 18.6

Manual Integrations  
APPROVED

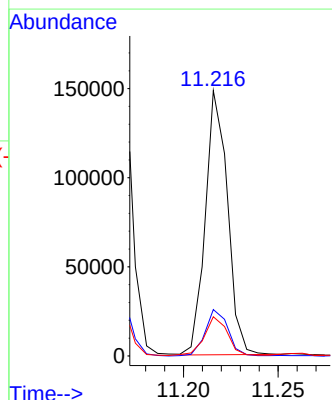
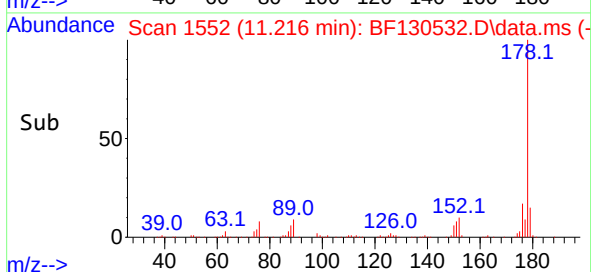
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022

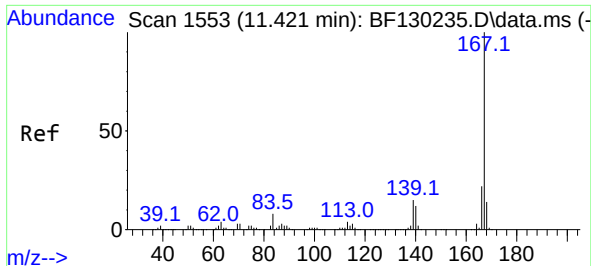


#72  
Anthracene  
Concen: 11.332 ng  
RT: 11.216 min Scan# 1552  
Delta R.T. -0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32



Tgt Ion:178 Resp: 120603  
Ion Ratio Lower Upper  
178 100  
176 17.5 15.0 22.6  
179 14.8 12.7 19.1





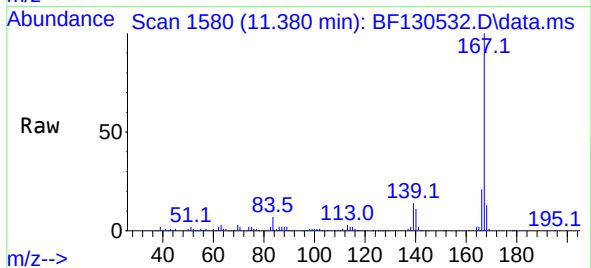
#73  
 Carbazole  
 Concen: 10.654 ng  
 RT: 11.380 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BF130532.D  
 Acq: 05 Oct 2022 16:32

Instrument :

BNA\_F

ClientSampleId :

PAT-01-100322MS

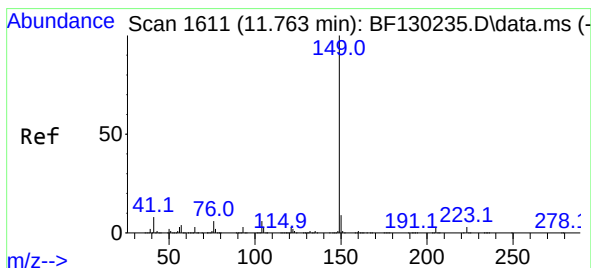
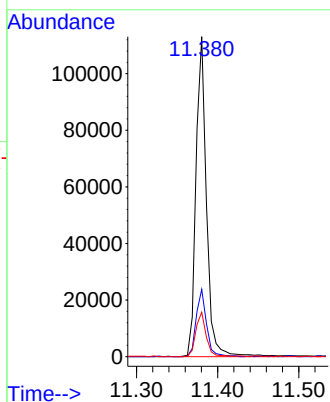
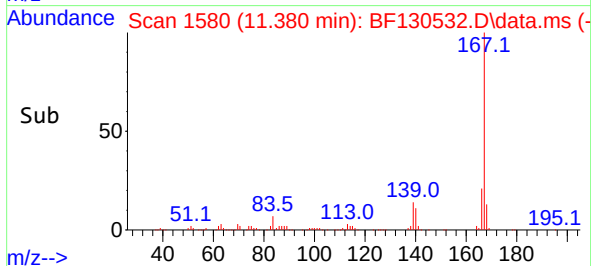


Tgt Ion:167 Resp: 10232  
 Ion Ratio Lower Upper  
 167 100  
 166 21.0 17.4 26.2  
 139 13.9 11.6 17.4

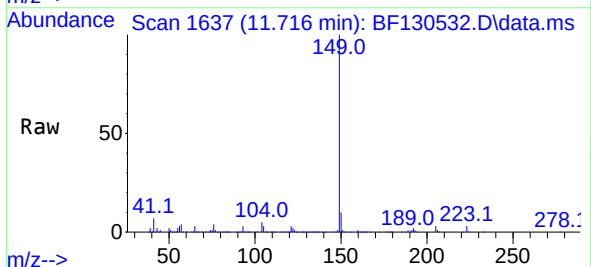
Manual Integrations

APPROVED

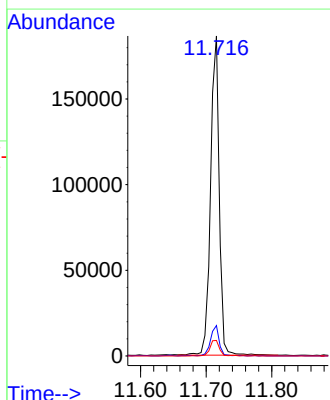
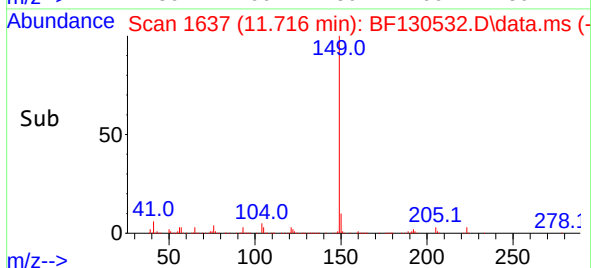
Reviewed By :Christian Giraldo 10/06/2022  
 Supervised By :mohammad ahmed 10/14/2022



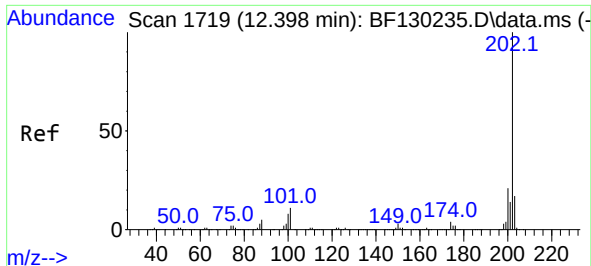
#74  
 Di-n-butylphthalate  
 Concen: 14.827 ng  
 RT: 11.716 min Scan# 1637  
 Delta R.T. 0.000 min  
 Lab File: BF130532.D  
 Acq: 05 Oct 2022 16:32



Tgt Ion:149 Resp: 171730  
 Ion Ratio Lower Upper  
 149 100  
 150 9.5 7.4 11.2  
 104 4.9 4.8 7.2

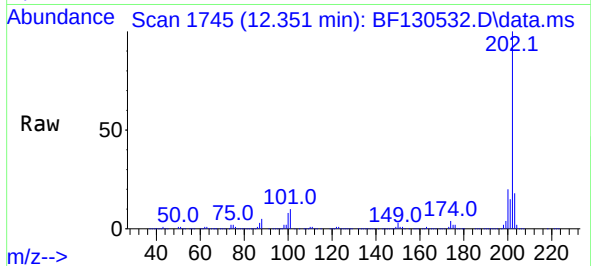






#75  
Fluoranthene  
Concen: 21.980 ng  
RT: 12.351 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

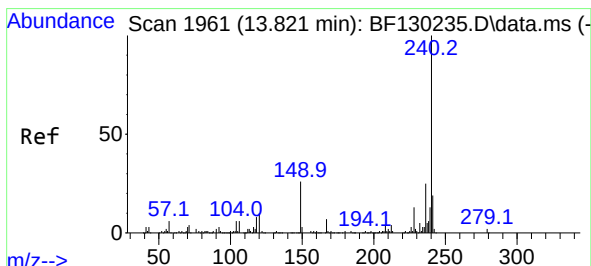
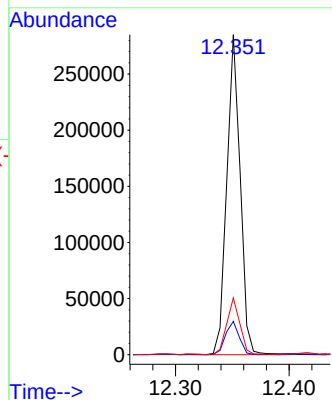
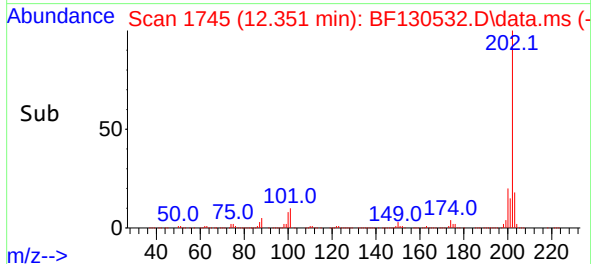
Instrument :  
BNA\_F  
ClientSampleId :  
PAT-01-100322MS



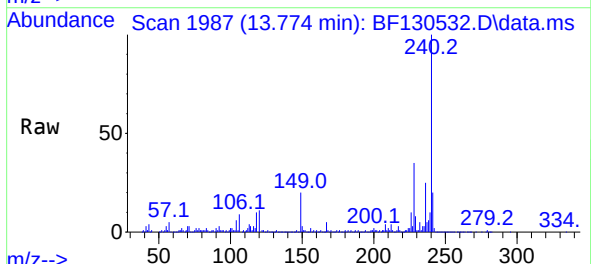
Tgt Ion:202 Resp: 234224  
Ion Ratio Lower Upper  
202 100  
101 10.4 0.0 31.8  
203 17.7 0.0 37.8

Manual Integrations  
APPROVED

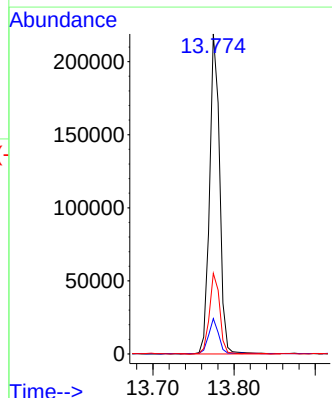
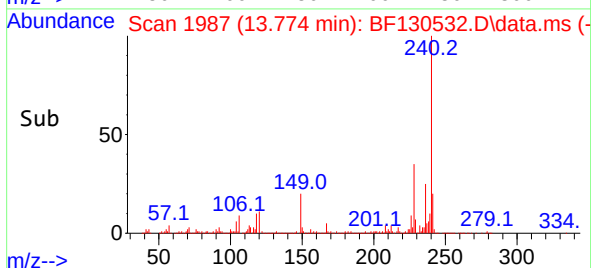
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022

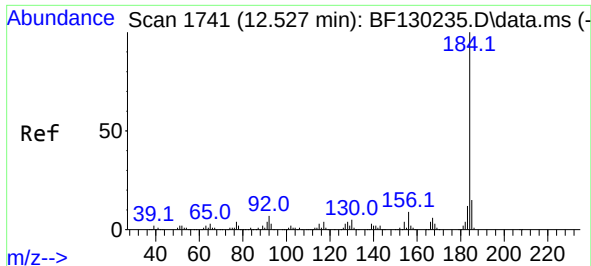


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.774 min Scan# 1987  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32



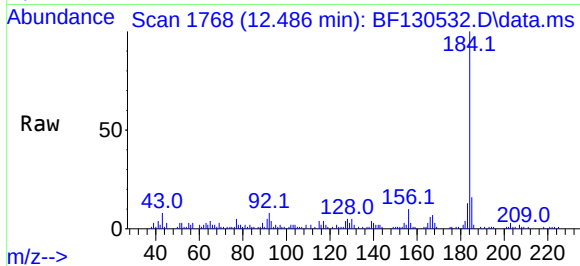
Tgt Ion:240 Resp: 188106  
Ion Ratio Lower Upper  
240 100  
120 11.0 8.7 13.1  
236 25.2 20.9 31.3





#77  
Benzidine  
Concen: 5.421 ng  
RT: 12.486 min Scan# 1741  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

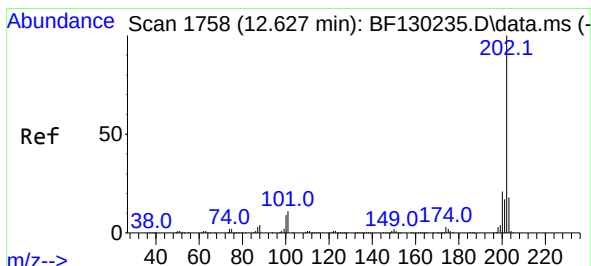
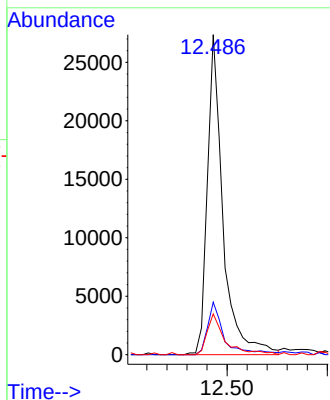
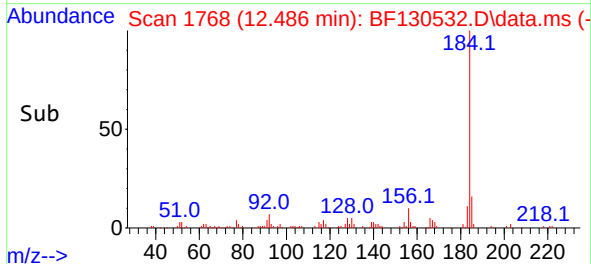
Instrument :  
BNA\_F  
ClientSampleId :  
PAT-01-100322MS



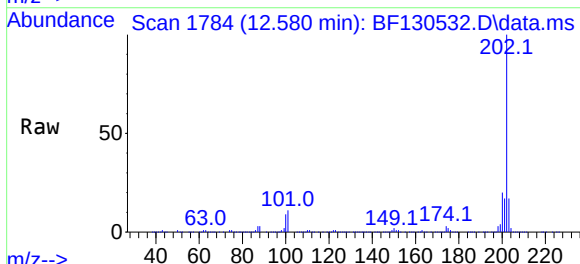
Tgt Ion:184 Resp: 2960  
Ion Ratio Lower Upper  
184 100  
185 16.4 11.8 17.6  
183 12.8 9.1 13.7

Manual Integrations  
APPROVED

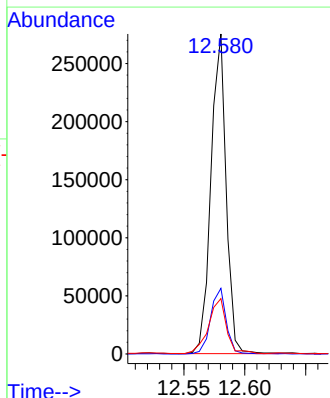
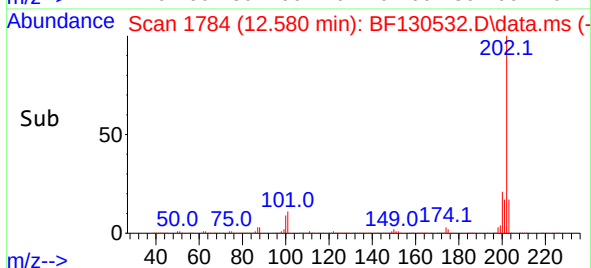
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022

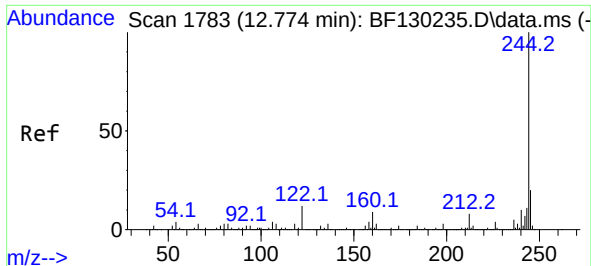


#78  
Pyrene  
Concen: 14.518 ng  
RT: 12.580 min Scan# 1784  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32



Tgt Ion:202 Resp: 238909  
Ion Ratio Lower Upper  
202 100  
200 20.5 17.2 25.8  
203 17.3 14.3 21.5





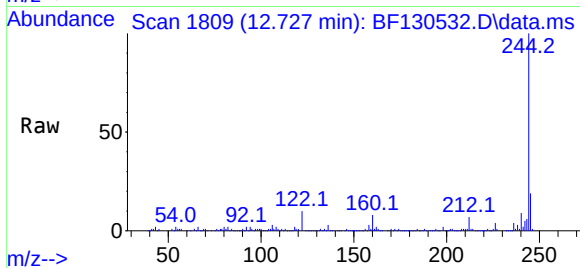
#79  
Terphenyl-d14  
Concen: 10.372 ng  
RT: 12.727 min Scan# 117780  
Delta R.T. -0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

Instrument :

BNA\_F

ClientSampleId :

PAT-01-100322MS

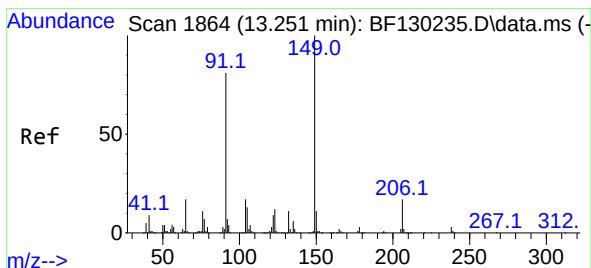
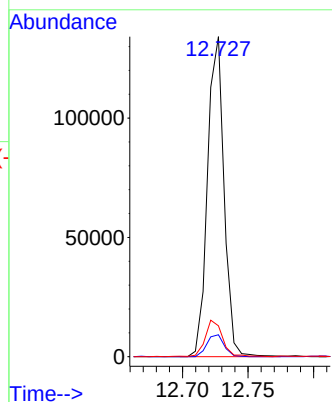
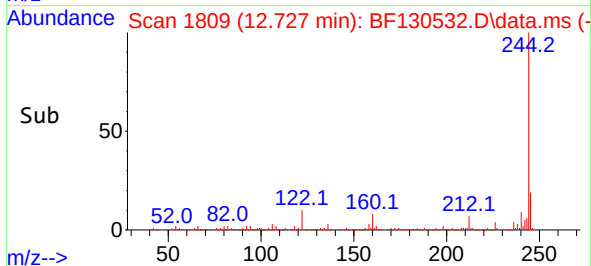


Tgt Ion:244 Resp: 117780  
Ion Ratio Lower Upper  
244 100  
212 6.9 5.9 8.9  
122 9.7 8.5 12.7

Manual Integrations

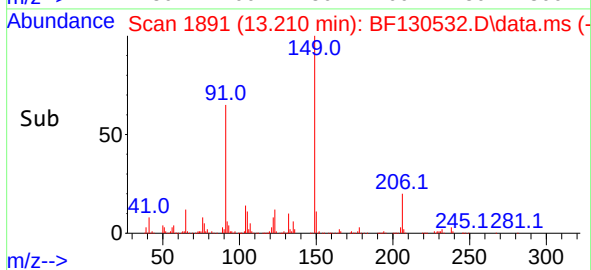
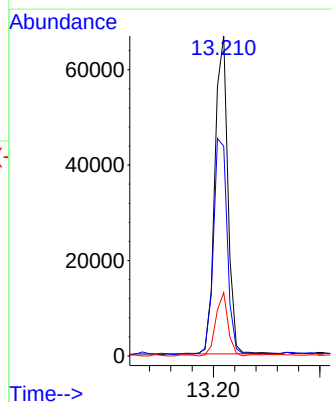
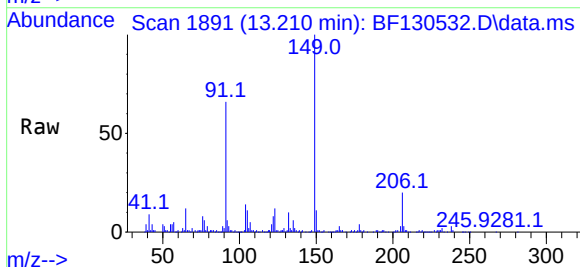
APPROVED

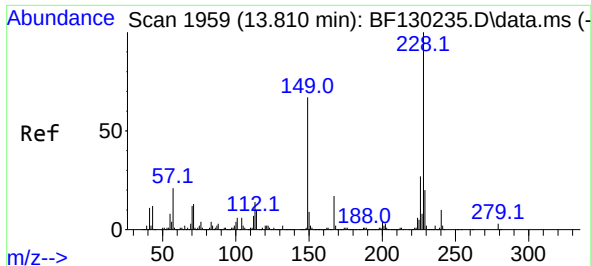
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022



#80  
Butylbenzylphthalate  
Concen: 9.283 ng  
RT: 13.210 min Scan# 1891  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

Tgt Ion:149 Resp: 56593  
Ion Ratio Lower Upper  
149 100  
91 65.5 59.8 89.8  
206 19.8 13.9 20.9





#81  
Benzo(a)anthracene  
Concen: 15.551 ng  
RT: 13.769 min Scan# 19460  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

Instrument :

BNA\_F

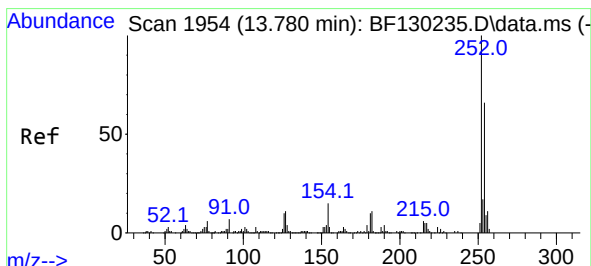
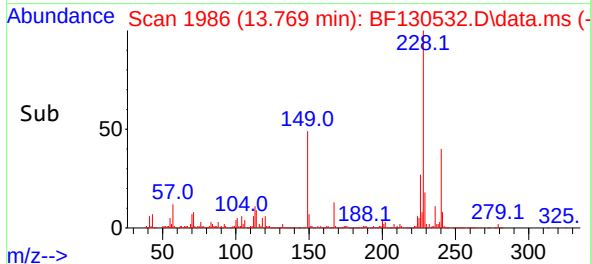
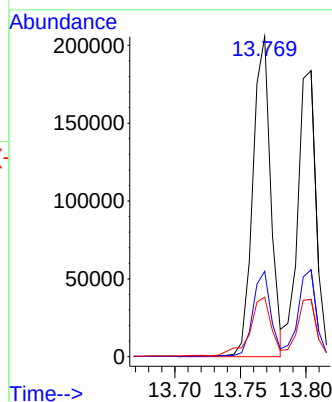
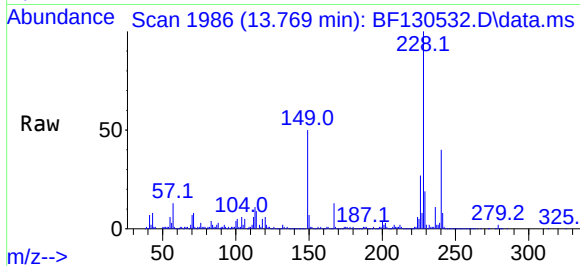
ClientSampleId :

PAT-01-100322MS

Tgt Ion:228 Resp: 19460  
Ion Ratio Lower Upper  
228 100  
226 26.7 21.9 32.9  
229 18.6 16.1 24.1

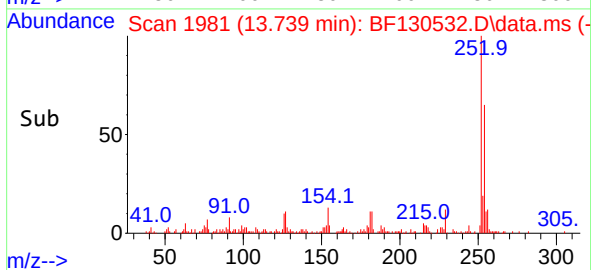
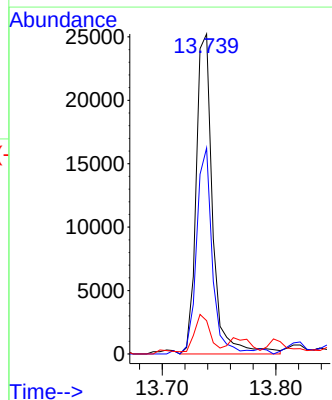
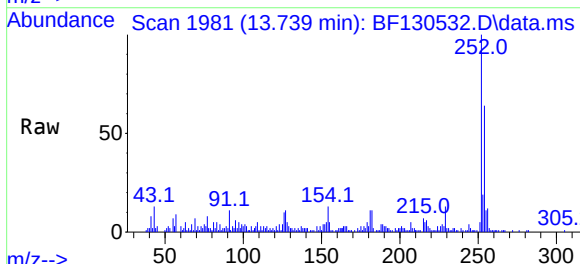
Manual Integrations  
APPROVED

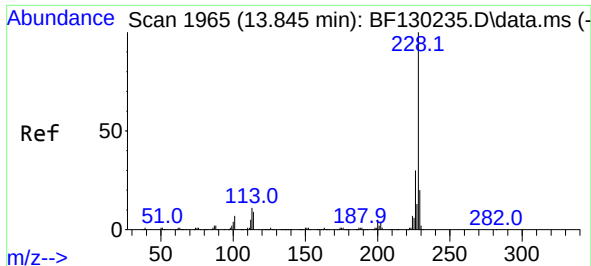
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022



#82  
3,3'-Dichlorobenzidine  
Concen: 7.495 ng  
RT: 13.739 min Scan# 1981  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

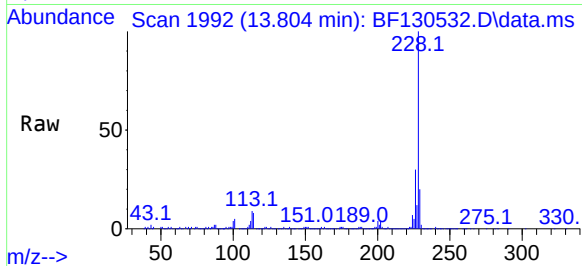
Tgt Ion:252 Resp: 25532  
Ion Ratio Lower Upper  
252 100  
254 64.4 51.1 76.7  
126 10.4 10.4 15.6





#83  
Chrysene  
Concen: 15.154 ng  
RT: 13.804 min Scan# 1992  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

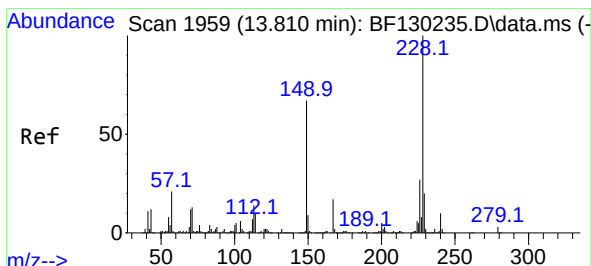
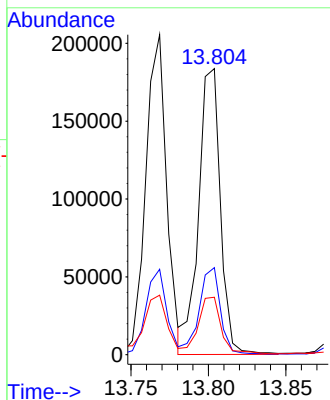
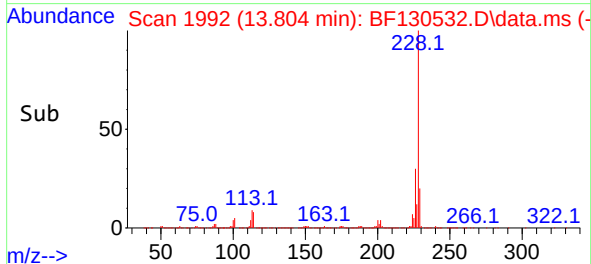
Instrument :  
BNA\_F  
ClientSampleId :  
PAT-01-100322MS



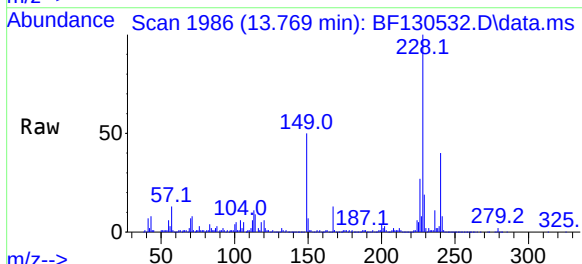
Tgt Ion:228 Resp: 18005  
Ion Ratio Lower Upper  
228 100  
226 30.4 23.8 35.8  
229 20.1 15.3 22.9

Manual Integrations  
APPROVED

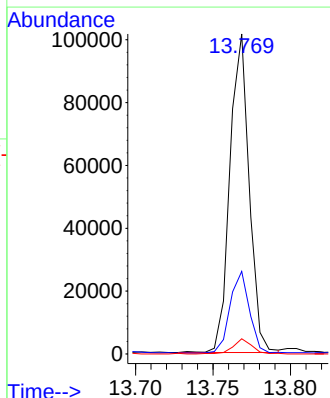
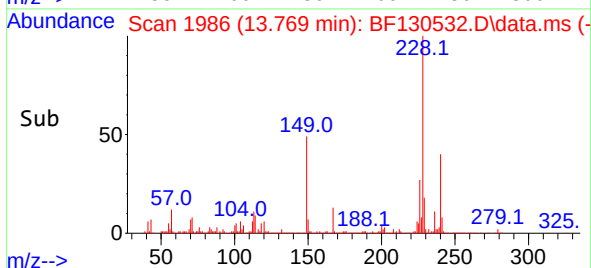
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022

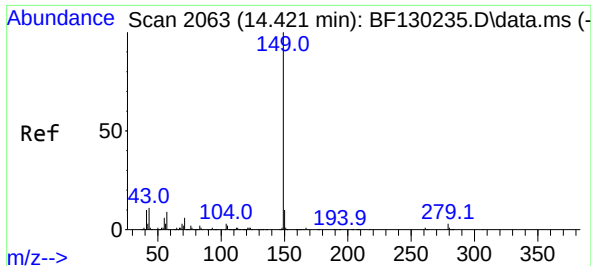


#84  
Bis(2-ethylhexyl)phthalate  
Concen: 12.566 ng  
RT: 13.769 min Scan# 1986  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32



Tgt Ion:149 Resp: 87747  
Ion Ratio Lower Upper  
149 100  
167 25.8 20.5 30.7  
279 4.7 2.9 4.3#





#85  
Di-n-octyl phthalate  
Concen: 14.333 ng  
RT: 14.380 min Scan# 2063  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

Instrument :

BNA\_F

ClientSampleId :

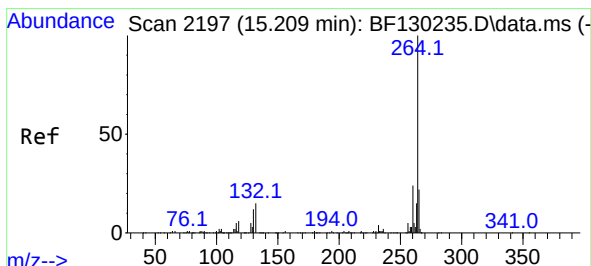
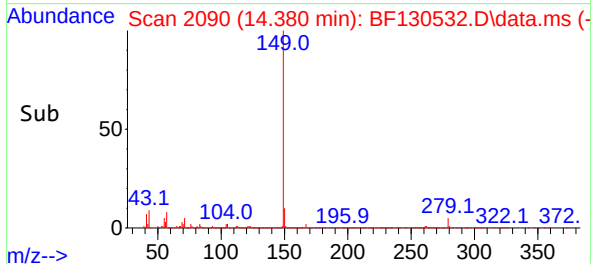
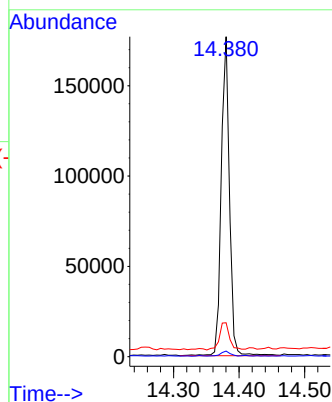
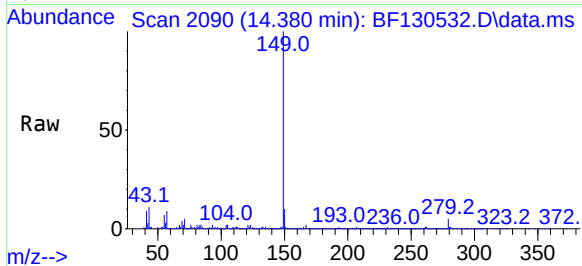
PAT-01-100322MS

Tgt Ion:149 Resp: 153070  
Ion Ratio Lower Upper  
149 100  
167 1.8 1.2 1.8  
43 10.5 8.7 13.1

Manual Integrations

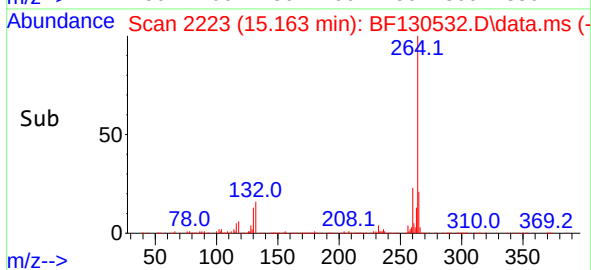
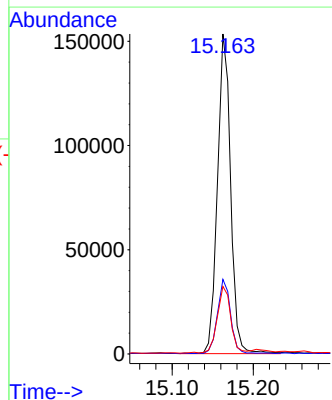
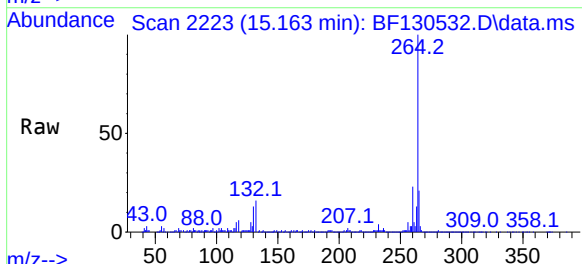
APPROVED

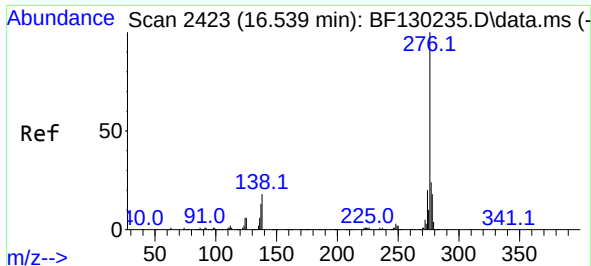
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.163 min Scan# 2223  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

Tgt Ion:264 Resp: 172537  
Ion Ratio Lower Upper  
264 100  
260 23.3 19.3 28.9  
265 21.1 17.0 25.4





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 8.934 ng  
RT: 16.474 min Scan# 2423  
Delta R.T. -0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

Instrument :

BNA\_F

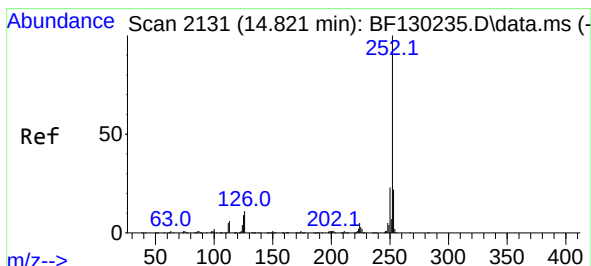
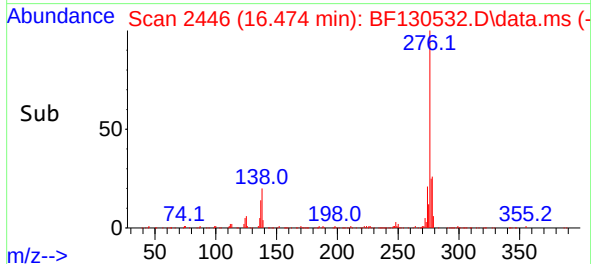
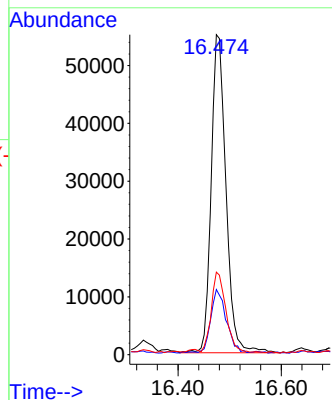
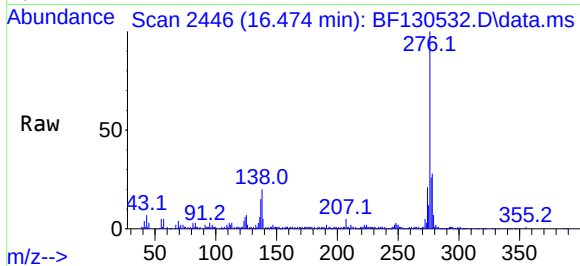
ClientSampleId :

PAT-01-100322MS

Tgt Ion:276 Resp: 10931  
Ion Ratio Lower Upper  
276 100  
138 21.0 18.5 27.7  
277 24.3 20.2 30.4

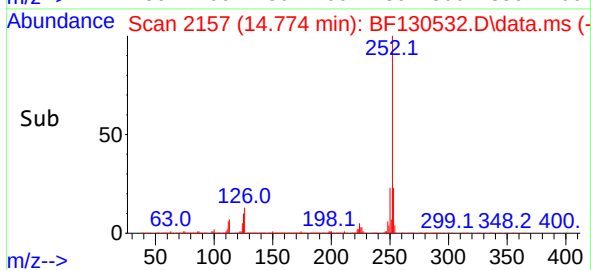
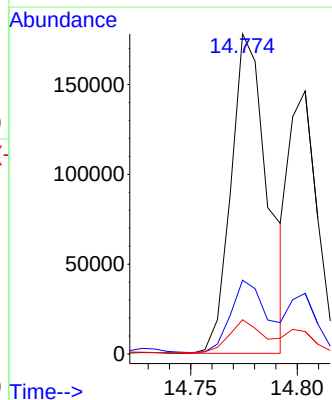
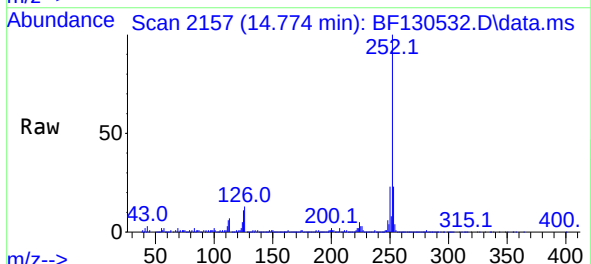
Manual Integrations  
APPROVED

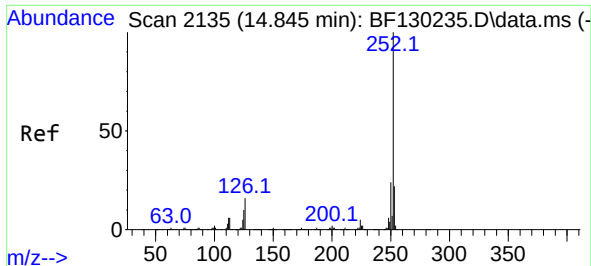
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022



#88  
Benzo(b)fluoranthene  
Concen: 18.891 ng  
RT: 14.774 min Scan# 2157  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

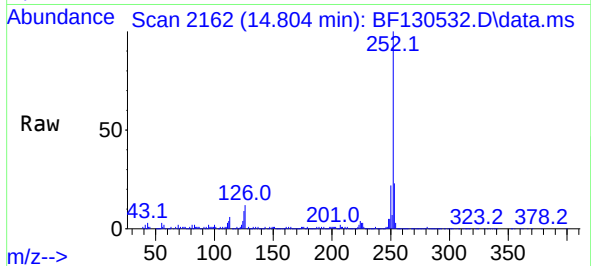
Tgt Ion:252 Resp: 212745  
Ion Ratio Lower Upper  
252 100  
253 23.0 17.7 26.5  
125 10.7 8.1 12.1





#89  
Benzo(k)fluoranthene  
Concen: 12.177 ng  
RT: 14.804 min Scan# 2135  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

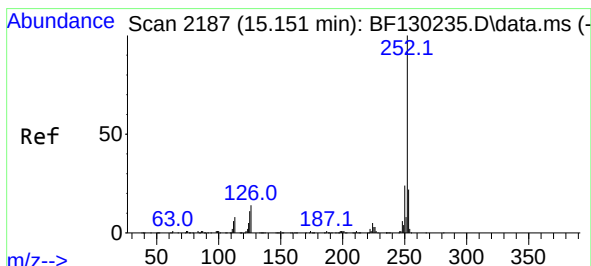
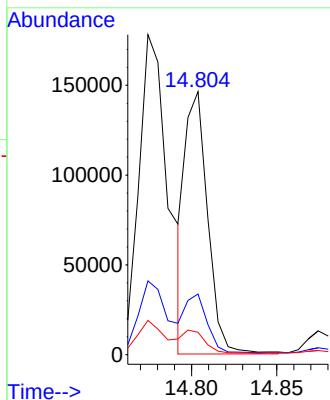
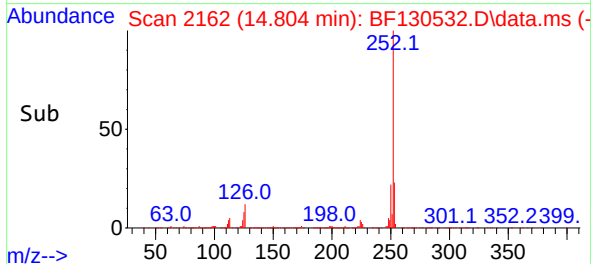
Instrument :  
BNA\_F  
ClientSampleId :  
PAT-01-100322MS



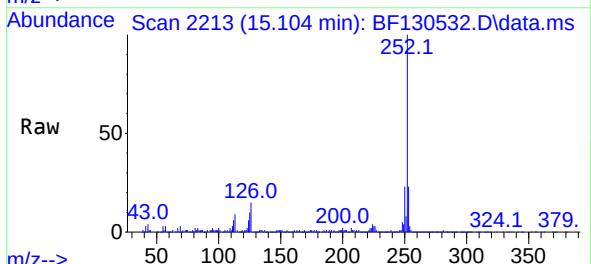
Tgt Ion:252 Resp: 13489  
Ion Ratio Lower Upper  
252 100  
253 23.0 17.4 26.2  
125 8.5 7.9 11.9

Manual Integrations  
APPROVED

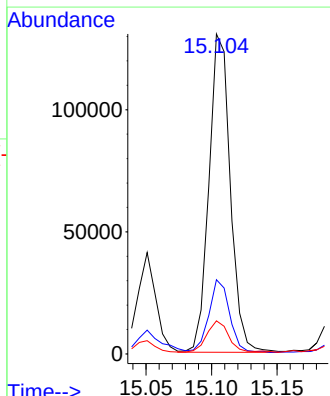
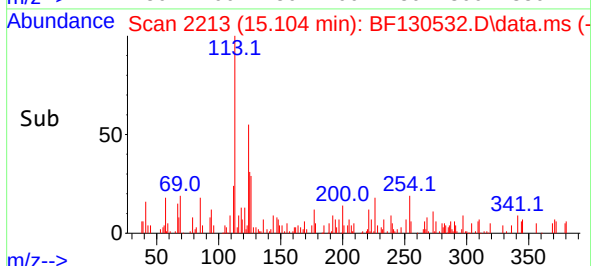
Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022



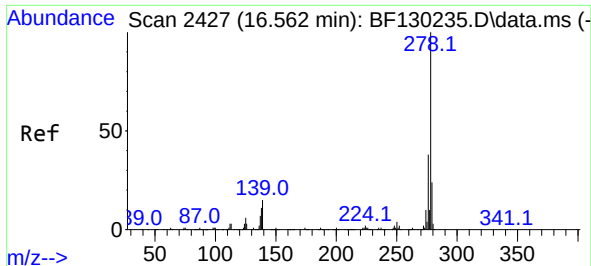
#90  
Benzo(a)pyrene  
Concen: 16.588 ng  
RT: 15.104 min Scan# 2213  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32



Tgt Ion:252 Resp: 147993  
Ion Ratio Lower Upper  
252 100  
253 23.2 17.8 26.6  
125 10.3 9.0 13.6







#91  
Dibenzo(a,h)anthracene  
Concen: 7.599 ng  
RT: 16.492 min Scan# 2427  
Delta R.T. -0.006 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

Instrument :

BNA\_F

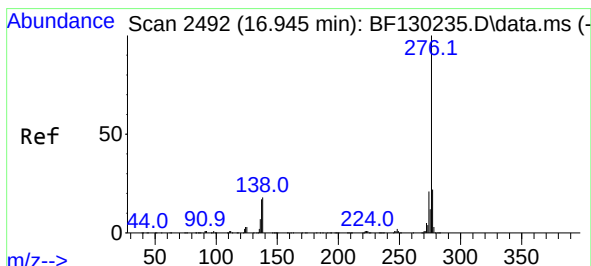
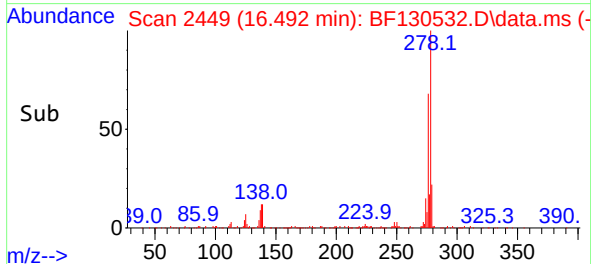
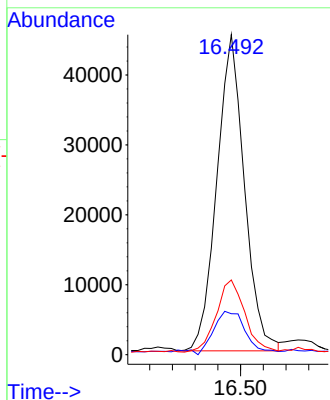
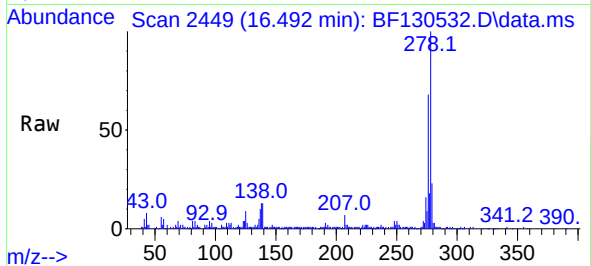
ClientSampleId :

PAT-01-100322MS

Tgt Ion:278 Resp: 7627  
Ion Ratio Lower Upper  
278 100  
139 12.8 11.8 17.8  
279 23.3 19.4 29.0

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 10/06/2022  
Supervised By :mohammad ahmed 10/14/2022



#92  
Benzo(g,h,i)perylene  
Concen: 8.971 ng  
RT: 16.874 min Scan# 2514  
Delta R.T. 0.000 min  
Lab File: BF130532.D  
Acq: 05 Oct 2022 16:32

Tgt Ion:276 Resp: 90707  
Ion Ratio Lower Upper  
276 100  
277 23.2 18.6 27.8  
138 17.6 14.6 21.8

