

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102824\  
 Data File : BM048290.D  
 Acq On : 29 Oct 2024 16:46  
 Operator : RC/JU  
 Sample : P4492-02DL 5X  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4E61DL

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/30/2024  
 Supervised By :mohammad ahmed 11/01/2024

Quant Time: Oct 29 17:42:53 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM102624.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun Oct 27 23:39:58 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.716  | 152  | 193283   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.504 | 136  | 807582   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.357 | 164  | 488001   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.098 | 188  | 955351   | 20.000 | ng/u1  | -0.01    |
| 79) Chrysene-d12              | 21.327 | 240  | 832050   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.268 | 264  | 895822   | 20.000 | ng/u1  | -0.02    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.175  | 96   | 4160m    | 0.847  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/u1  |          |
| 7) Phenol-d5                  | 6.893  | 99   | 79128    | 4.765  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.051  | 67   | 52574    | 5.111  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.251  | 132  | 67823    | 5.023  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.434  | 113  | 61653    | 4.625  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.875  | 128  | 32153    | 4.856  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.592  | 143  | 32671    | 4.555  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.134 | 165  | 77286    | 5.905  | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.657 | 131  | 44411    | 2.444  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.774 | 166  | 205515   | 5.635  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.051 | 160  | 226816   | 5.516  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.580 | 143  | 24810m   | 3.720  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.351 | 176  | 183353   | 5.950  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.486 | 200  | 17751    | 2.812  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.198 | 188  | 260910   | 5.776  | ng/u1  | -0.01    |
| 81) Pyrene-d10                | 19.492 | 212  | 315534   | 6.249  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.068 | 264  | 286476   | 6.063  | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 8) Phenol                     | 6.922  | 94   | 133350   | 7.711  | ng/u1  | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.140  | 93   | 645692   | 46.736 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.281  | 128  | 284296   | 20.506 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.522  | 70   | 480983   | 44.662 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.787  | 117  | 186111   | 31.844 | ng/u1  | 95       |
| 22) Nitrobenzene              | 8.916  | 77   | 128840   | 8.374  | ng/u1  | 98       |
| 23) Isophorone                | 9.439  | 82   | 1133279  | 38.010 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.628  | 139  | 76874    | 9.778  | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 9.922  | 93   | 808645   | 43.729 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.163 | 162  | 313617   | 23.416 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.839 | 225  | 297430   | 33.327 | ng/u1  | 98       |
| 35) 4-Chloro-3-methylphenol   | 11.804 | 107  | 111514   | 8.275  | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.175 | 142  | 373868   | 12.297 | ng/u1  | 100      |
| 41) 2,4,6-Trichlorophenol     | 12.786 | 196  | 381167   | 38.222 | ng/u1  | 97       |
| 42) 2,4,5-Trichlorophenol     | 12.869 | 196  | 86948    | 8.255  | ng/u1  | 97       |
| 48) 2,6-Dinitrotoluene        | 13.939 | 165  | 361960   | 50.897 | ng/u1  | 95       |
| 50) Acenaphthylene            | 14.080 | 152  | 199074   | 4.432  | ng/u1  | 100      |
| 52) Acenaphthene              | 14.421 | 153  | 838845   | 26.319 | ng/u1  | 100      |
| 55) 4-Nitrophenol             | 14.598 | 109  | 73049m   | 15.004 | ng/u1  |          |
| 57) 2,4-Dinitrotoluene        | 14.733 | 165  | 337021   | 32.415 | ng/u1  | 99       |
| 61) Fluorene                  | 15.410 | 166  | 1384348  | 39.648 | ng/u1  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.404 | 204  | 220693   | 12.591 | ng/u1  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.298 | 248  | 97093    | 9.315  | ng/u1  | 97       |
| 69) Hexachlorobenzene         | 16.415 | 284  | 624719   | 50.093 | ng/u1  | 97       |

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Instrument :  
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Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/30/2024  
 Supervised By :mohammad ahmed 11/01/2024

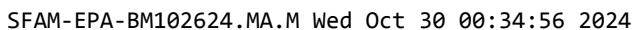
Quant Time: Oct 29 17:42:53 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM102624.MA.M  
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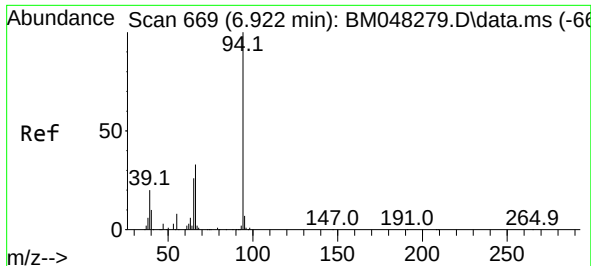
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| 71) Pentachlorophenol         | 16.757 | 266  | 349237   | 44.258 | ng/ul | 98       |
| 72) Phenanthrene              | 17.145 | 178  | 544299   | 10.289 | ng/ul | 98       |
| 74) Anthracene                | 17.233 | 178  | 498641   | 9.417  | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.068 | 149  | 2252640  | 36.871 | ng/ul | 100      |
| 80) Fluoranthene              | 19.156 | 202  | 2036075  | 34.657 | ng/ul | 98       |
| 82) Pyrene                    | 19.521 | 202  | 920349   | 14.611 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.421 | 149  | 218013   | 8.375  | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.309 | 228  | 1663847  | 27.729 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.233 | 149  | 1520135  | 40.526 | ng/ul | 98       |
| 87) Chrysene                  | 21.368 | 228  | 2434682  | 43.150 | ng/ul | 99       |
| 90) Benzo(b)fluoranthene      | 23.339 | 252  | 2214961  | 38.745 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.133 | 252  | 447008   | 8.595  | ng/ul | 100      |
| 94) Indeno(1,2,3-cd)pyrene    | 27.632 | 276  | 458424m  | 7.319  | ng/ul |          |
| 95) Dibenzo(a,h)anthracene    | 27.632 | 278  | 967379   | 18.885 | ng/ul | 98       |
| 96) Benzo(g,h,i)perylene      | 28.609 | 276  | 318263   | 6.622  | ng/ul | 98       |
| -----                         |        |      |          |        |       |          |

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

## Manual Integrations

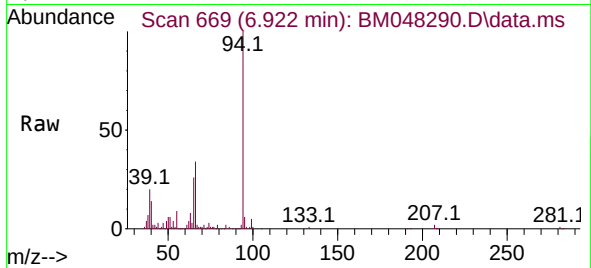
Quant Time: Oct 29 17:42:53 2024  
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Quant Title : SVOA CALIBRATION  
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#8  
Phenol  
Concen: 7.711 ng/ul  
RT: 6.922 min Scan# 669  
Delta R.T. -0.006 min  
Lab File: BM048290.D  
Acq: 29 Oct 2024 16:46

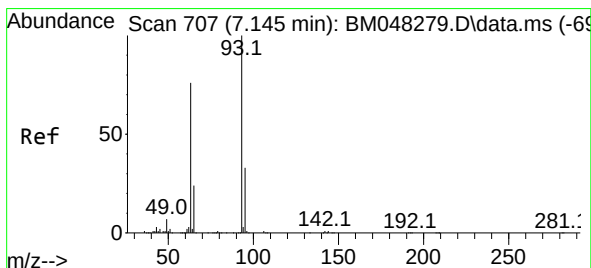
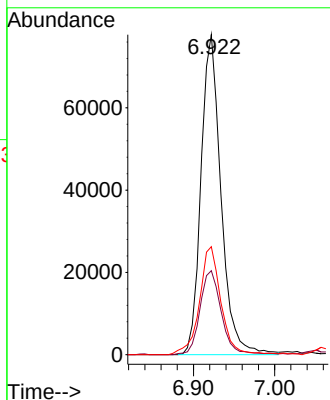
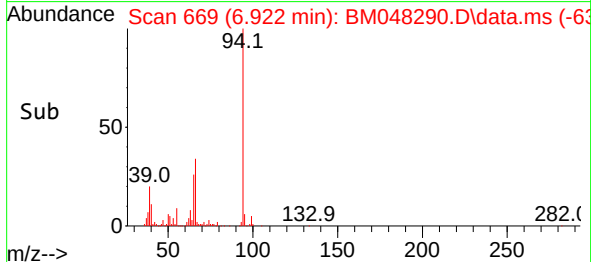
Instrument :  
BNA\_M  
ClientSampleId :  
A4E61DL



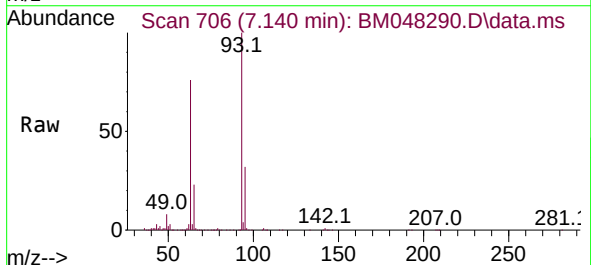
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Ion Ratio Lower Upper  
94 100  
65 26.3 21.1 31.7  
66 33.8 27.6 41.4

Manual Integrations  
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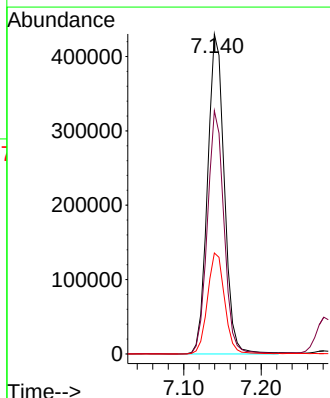
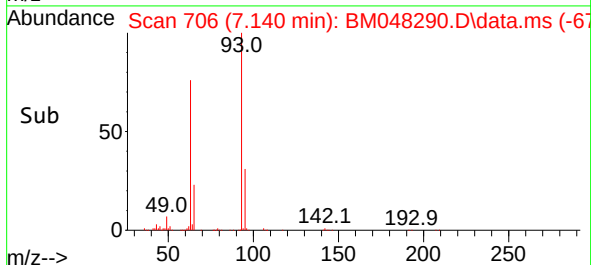
Reviewed By :Yogesh Patel 10/30/2024  
Supervised By :mohammad ahmed 11/01/2024

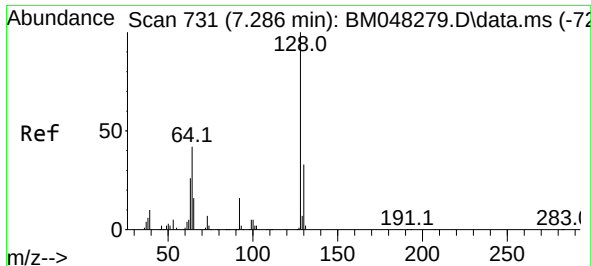


#10  
Bis(2-Chloroethyl)ether  
Concen: 46.736 ng/ul  
RT: 7.140 min Scan# 706  
Delta R.T. -0.006 min  
Lab File: BM048290.D  
Acq: 29 Oct 2024 16:46



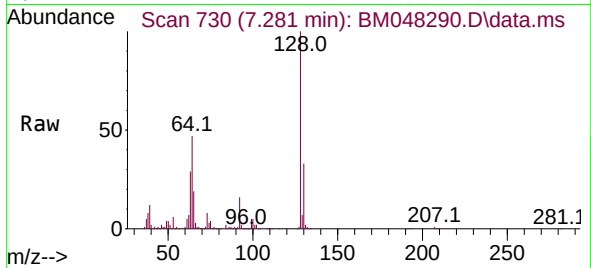
Tgt Ion: 93 Resp: 645692  
Ion Ratio Lower Upper  
93 100  
63 76.0 61.7 92.5  
95 31.6 26.3 39.5





#12  
2-Chlorophenol  
Concen: 20.506 ng/ul  
RT: 7.281 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BM048290.D  
Acq: 29 Oct 2024 16:46

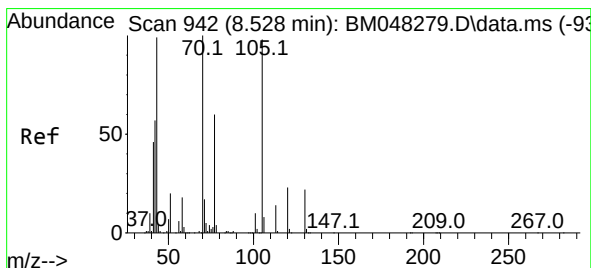
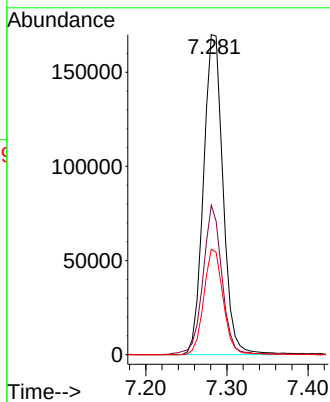
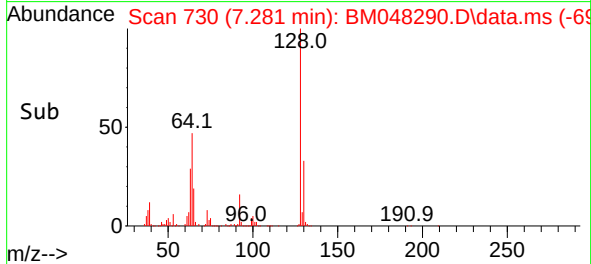
Instrument :  
BNA\_M  
ClientSampleId :  
A4E61DL



Tgt Ion:128 Resp: 284290  
Ion Ratio Lower Upper  
128 100  
64 46.7 36.8 55.2  
130 33.0 26.0 39.0

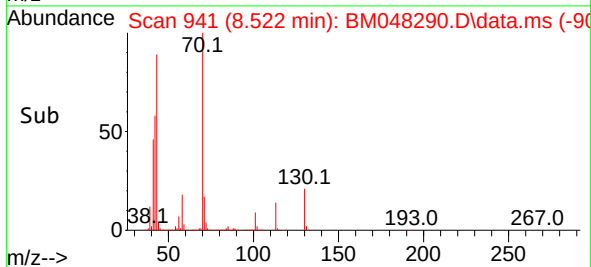
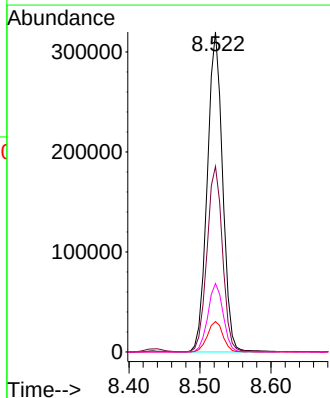
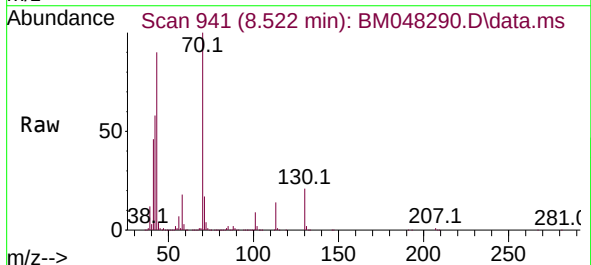
Manual Integrations  
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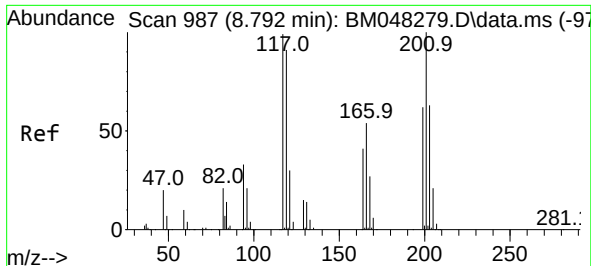
Reviewed By :Yogesh Patel 10/30/2024  
Supervised By :mohammad ahmed 11/01/2024



#17  
N-Nitroso-di-n-propylamine  
Concen: 44.662 ng/ul  
RT: 8.522 min Scan# 941  
Delta R.T. -0.012 min  
Lab File: BM048290.D  
Acq: 29 Oct 2024 16:46

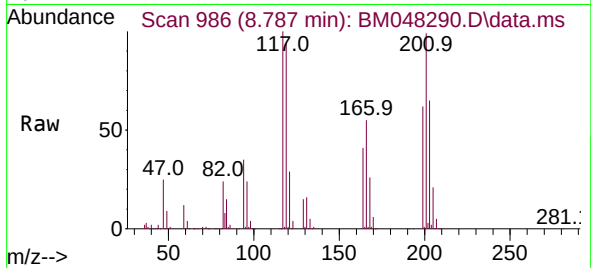
Tgt Ion: 70 Resp: 480983  
Ion Ratio Lower Upper  
70 100  
42 58.0 47.5 71.3  
101 9.5 7.4 11.2  
130 21.4 17.4 26.2





#19  
Hexachloroethane  
Concen: 31.844 ng/ul  
RT: 8.787 min Scan# 986  
Delta R.T. -0.012 min  
Lab File: BM048290.D  
Acq: 29 Oct 2024 16:46

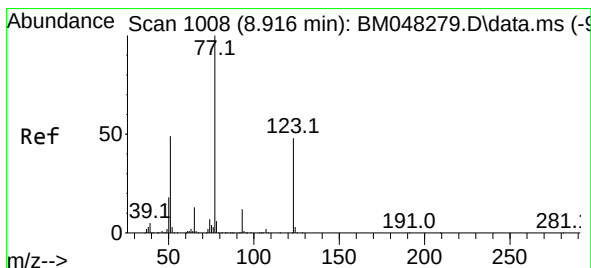
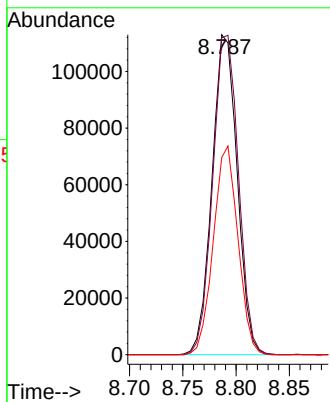
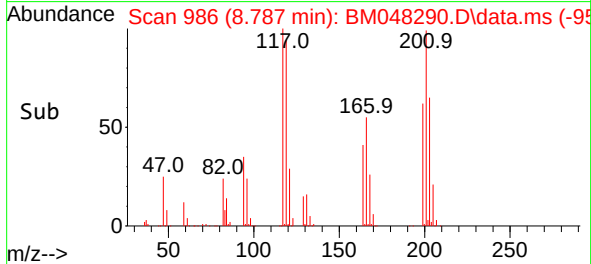
Instrument :  
BNA\_M  
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Tgt Ion: 117 Resp: 18611  
Ion Ratio Lower Upper  
117 100  
201 99.0 82.2 123.2  
199 61.6 53.2 79.8

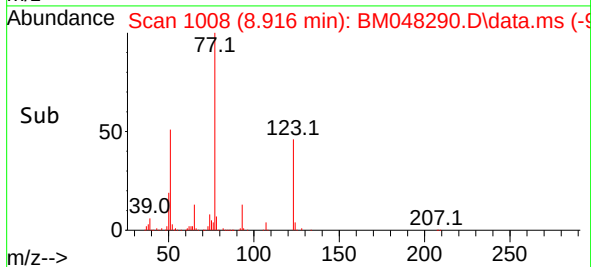
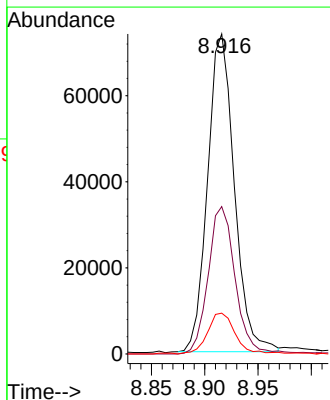
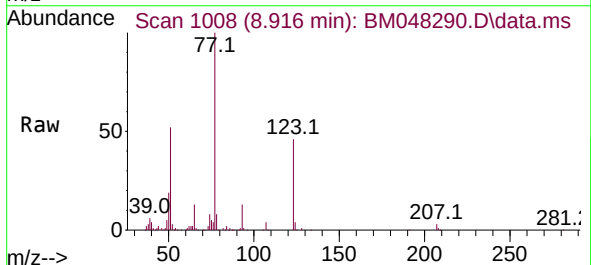
Manual Integrations  
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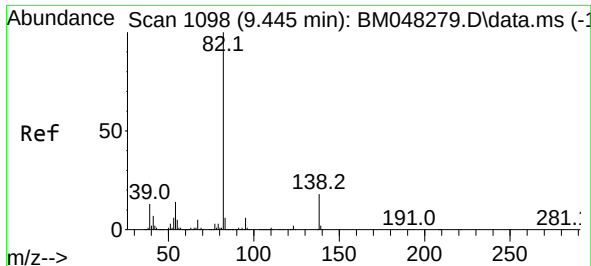
Reviewed By :Yogesh Patel 10/30/2024  
Supervised By :mohammad ahmed 11/01/2024



#22  
Nitrobenzene  
Concen: 8.374 ng/ul  
RT: 8.916 min Scan# 1008  
Delta R.T. -0.006 min  
Lab File: BM048290.D  
Acq: 29 Oct 2024 16:46

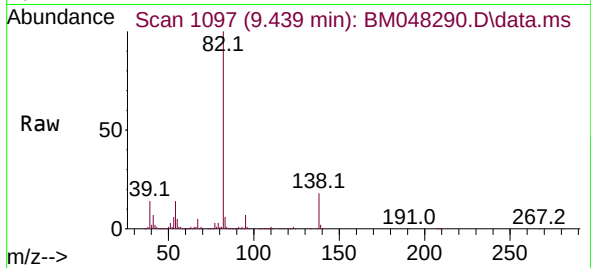
Tgt Ion: 77 Resp: 128840  
Ion Ratio Lower Upper  
77 100  
123 46.0 37.8 56.8  
65 12.8 10.8 16.2





#23  
Isophorone  
Concen: 38.010 ng/ul  
RT: 9.439 min Scan# 1097  
Delta R.T. -0.012 min  
Lab File: BM048290.D  
Acq: 29 Oct 2024 16:46

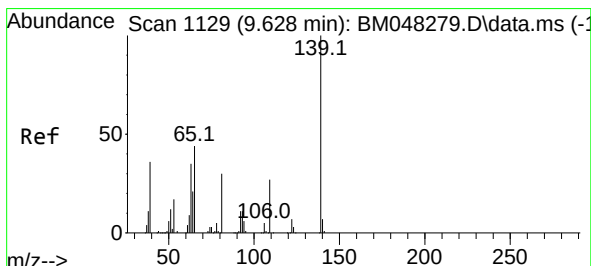
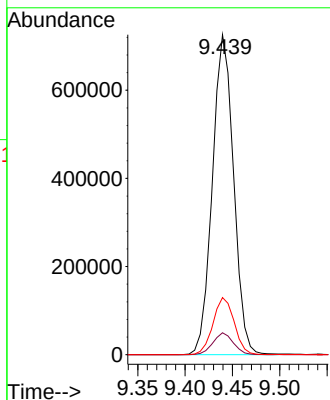
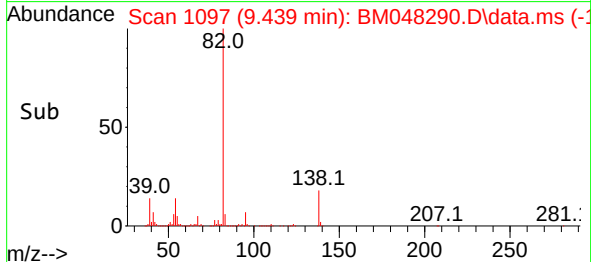
Instrument :  
BNA\_M  
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Tgt Ion: 82 Resp: 1133279  
Ion Ratio Lower Upper  
82 100  
95 6.8 5.0 7.4  
138 17.8 14.7 22.1

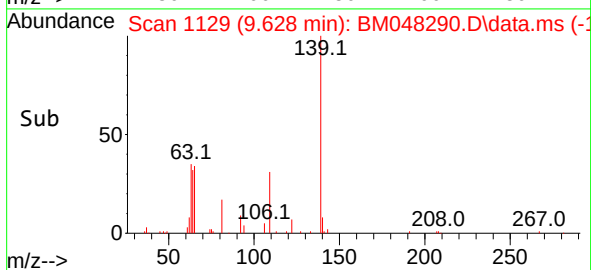
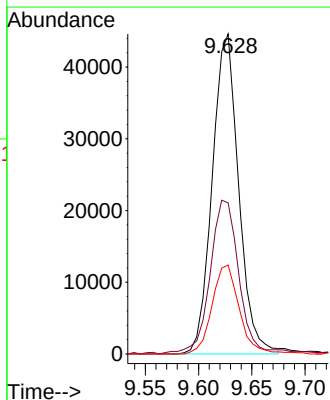
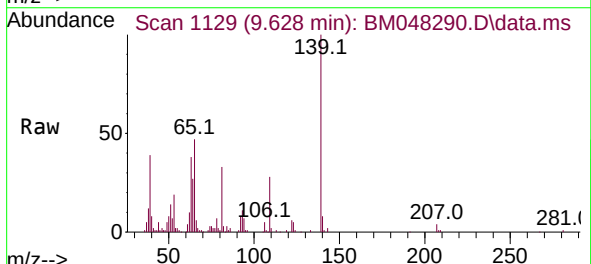
Manual Integrations  
APPROVED

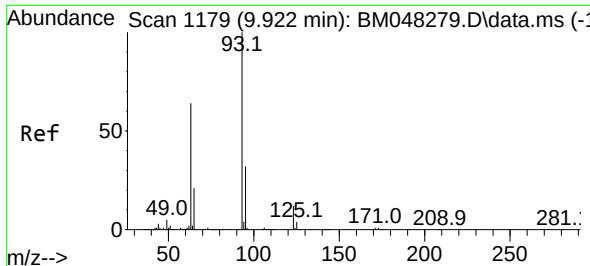
Reviewed By :Yogesh Patel 10/30/2024  
Supervised By :mohammad ahmed 11/01/2024



#25  
2-Nitrophenol  
Concen: 9.778 ng/ul  
RT: 9.628 min Scan# 1129  
Delta R.T. -0.006 min  
Lab File: BM048290.D  
Acq: 29 Oct 2024 16:46

Tgt Ion:139 Resp: 76874  
Ion Ratio Lower Upper  
139 100  
65 47.3 38.6 57.8  
109 27.8 21.7 32.5





#27

Bis(2-Chloroethoxy)methane

Concen: 43.729 ng/ul

RT: 9.922 min Scan# 1179

Delta R.T. -0.006 min

Lab File: BM048290.D

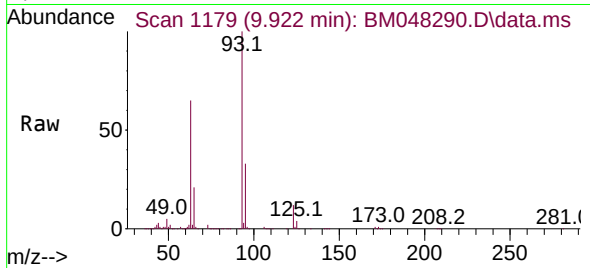
Acq: 29 Oct 2024 16:46

Instrument :

BNA\_M

ClientSampleId :

A4E61DL



Tgt Ion: 93 Resp: 80864

Ion Ratio Lower Upper

93 100

95 32.6 26.3 39.5

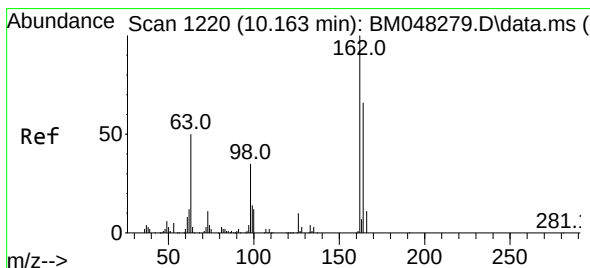
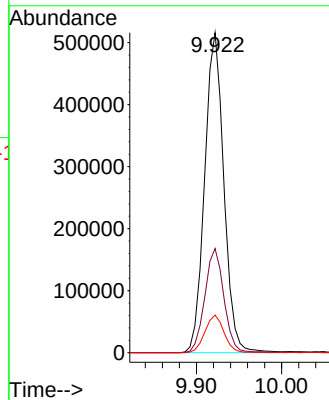
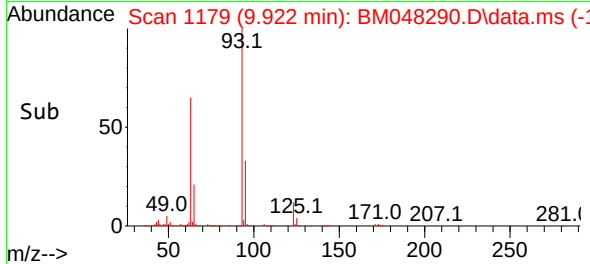
123 11.8 9.1 13.7

Manual Integrations

APPROVED

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Supervised By :mohammad ahmed 11/01/2024



#29

2,4-Dichlorophenol

Concen: 23.416 ng/ul

RT: 10.163 min Scan# 1220

Delta R.T. -0.006 min

Lab File: BM048290.D

Acq: 29 Oct 2024 16:46

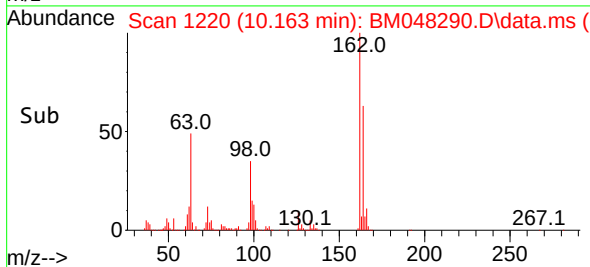
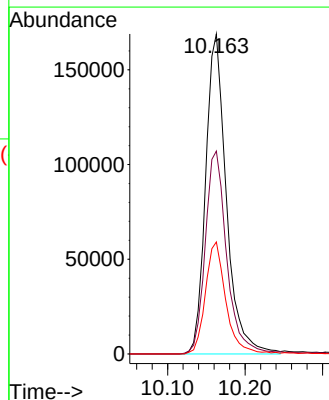
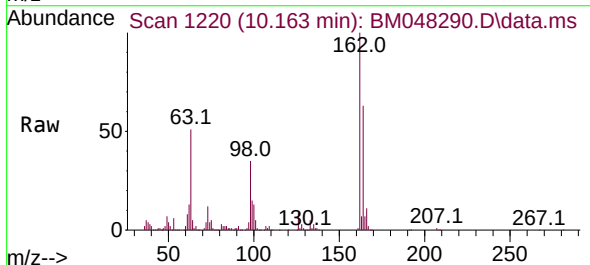
Tgt Ion:162 Resp: 313617

Ion Ratio Lower Upper

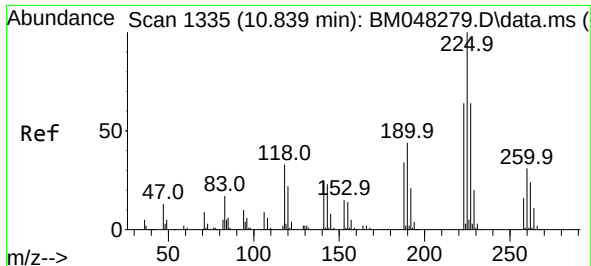
162 100

164 63.4 52.3 78.5

98 35.0 27.3 40.9

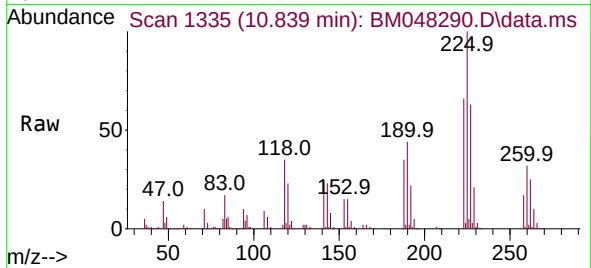






#33  
Hexachlorobutadiene  
Concen: 33.327 ng/ul  
RT: 10.839 min Scan# 1335  
Delta R.T. -0.006 min  
Lab File: BM048290.D  
Acq: 29 Oct 2024 16:46

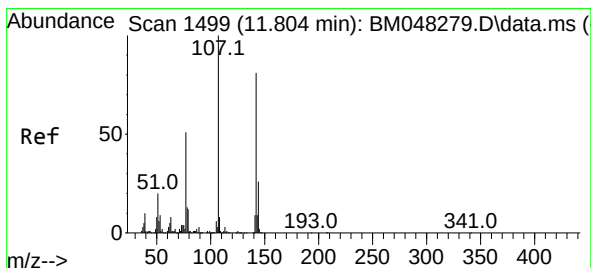
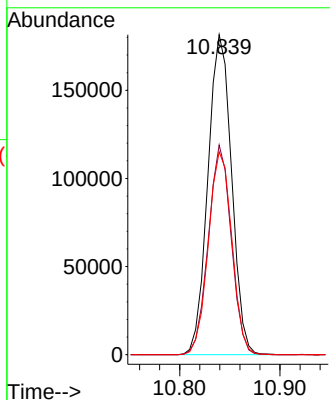
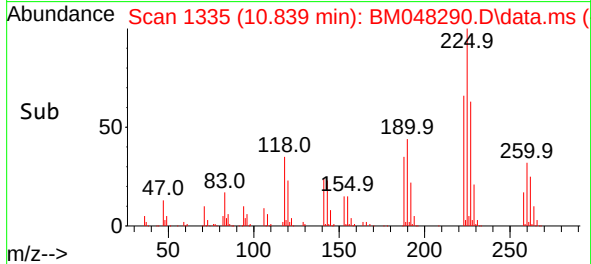
Instrument :  
BNA\_M  
ClientSampleId :  
A4E61DL



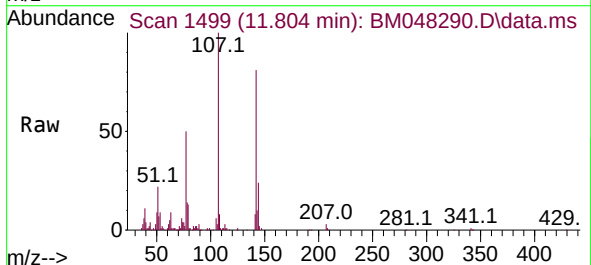
Tgt Ion:225 Resp: 297430  
Ion Ratio Lower Upper  
225 100  
223 65.5 50.4 75.6  
227 63.4 50.8 76.2

Manual Integrations  
APPROVED

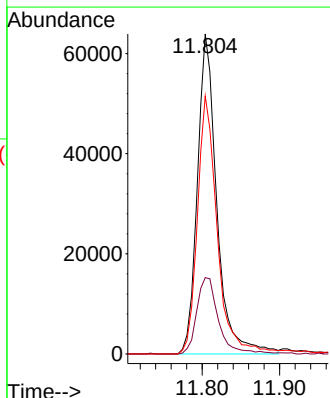
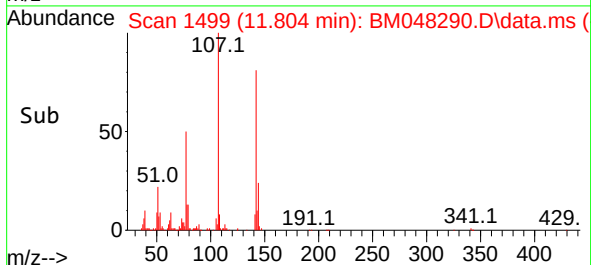
Reviewed By :Yogesh Patel 10/30/2024  
Supervised By :mohammad ahmed 11/01/2024

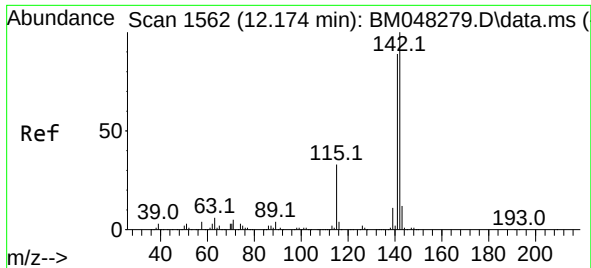


#35  
4-Chloro-3-methylphenol  
Concen: 8.275 ng/ul  
RT: 11.804 min Scan# 1499  
Delta R.T. -0.012 min  
Lab File: BM048290.D  
Acq: 29 Oct 2024 16:46



Tgt Ion:107 Resp: 111514  
Ion Ratio Lower Upper  
107 100  
144 23.9 20.9 31.3  
142 80.6 65.3 97.9





#36  
2-Methylnaphthalene  
Concen: 12.297 ng/ul  
RT: 12.175 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BM048290.D  
Acq: 29 Oct 2024 16:46

Instrument :

BNA\_M

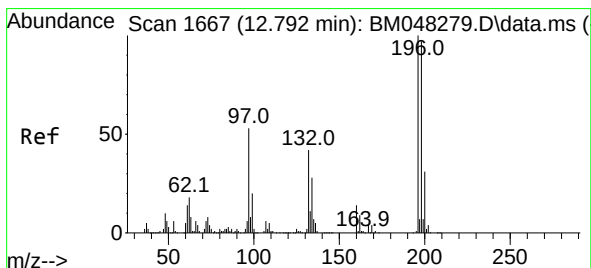
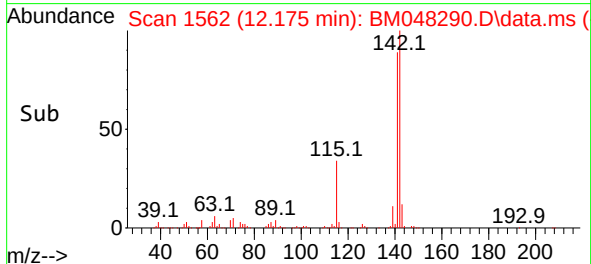
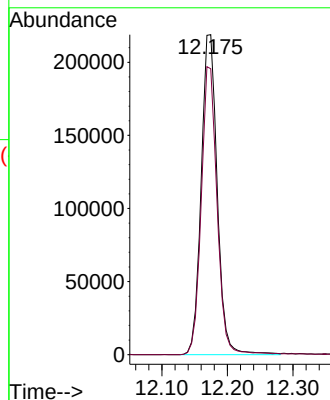
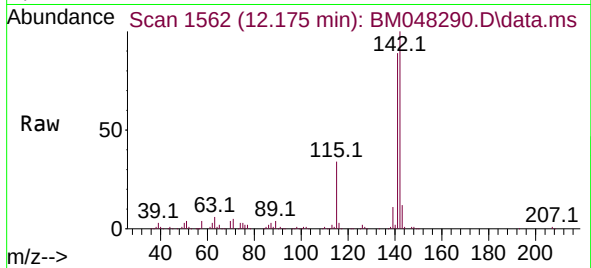
ClientSampleId :

A4E61DL

Tgt Ion:142 Resp: 37386  
Ion Ratio Lower Upper  
142 100  
141 89.3 71.4 107.2

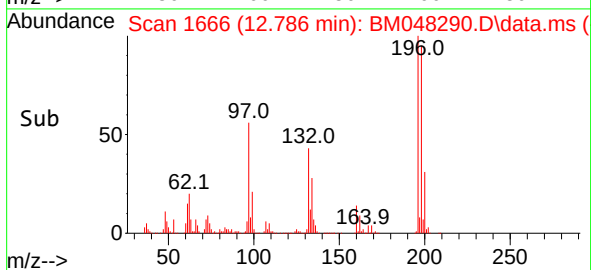
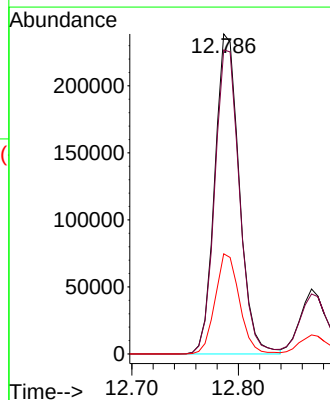
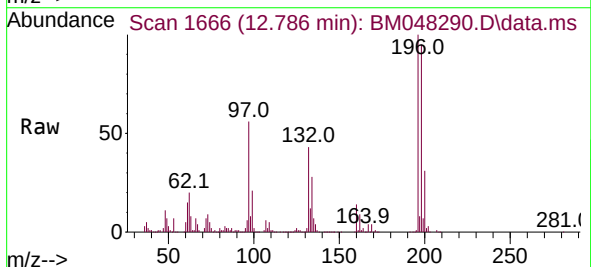
Manual Integrations  
APPROVED

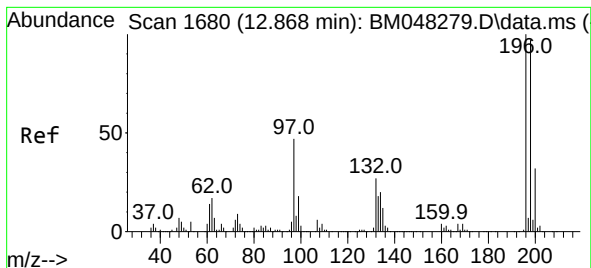
Reviewed By :Yogesh Patel 10/30/2024  
Supervised By :mohammad ahmed 11/01/2024



#41  
2,4,6-Trichlorophenol  
Concen: 38.222 ng/ul  
RT: 12.786 min Scan# 1666  
Delta R.T. -0.012 min  
Lab File: BM048290.D  
Acq: 29 Oct 2024 16:46

Tgt Ion:196 Resp: 381167  
Ion Ratio Lower Upper  
196 100  
198 95.0 78.4 117.6  
200 31.3 24.6 36.8





#42

2,4,5-Trichlorophenol

Concen: 8.255 ng/ul

RT: 12.869 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM048290.D

Acq: 29 Oct 2024 16:46

Instrument :

BNA\_M

ClientSampleId :

A4E61DL

Tgt Ion:196 Resp: 8694

Ion Ratio Lower Upper

196 100

198 92.4 75.8 113.6

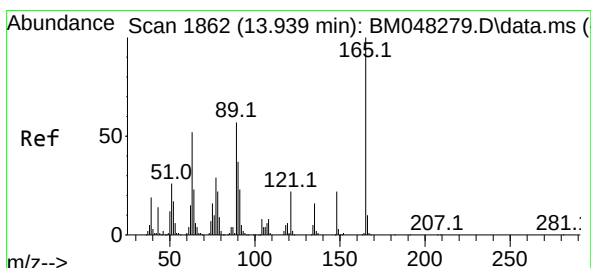
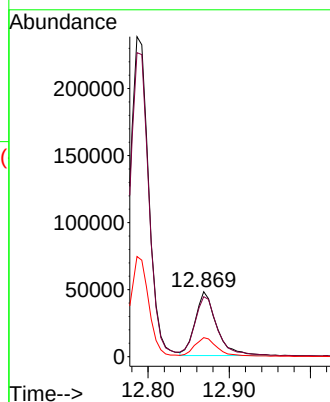
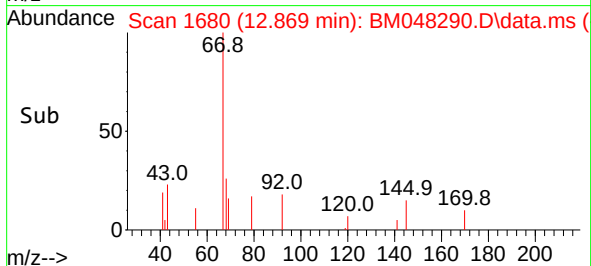
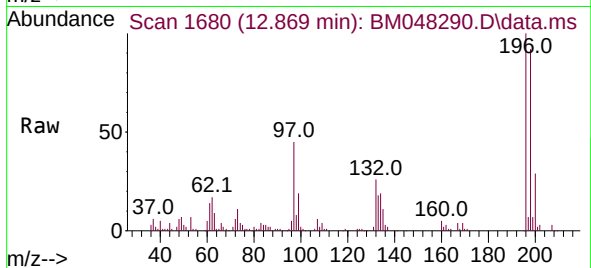
200 29.2 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/30/2024

Supervised By :mohammad ahmed 11/01/2024



#48

2,6-Dinitrotoluene

Concen: 50.897 ng/ul

RT: 13.939 min Scan# 1862

Delta R.T. -0.006 min

Lab File: BM048290.D

Acq: 29 Oct 2024 16:46

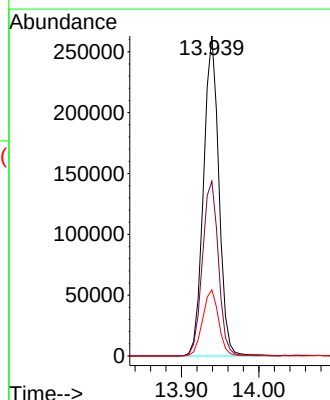
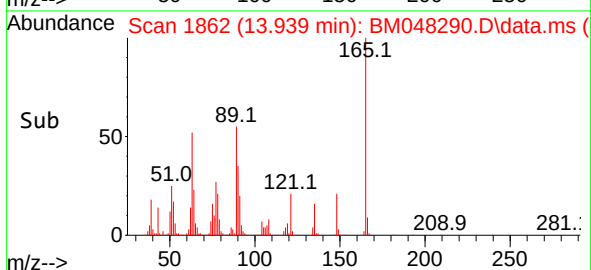
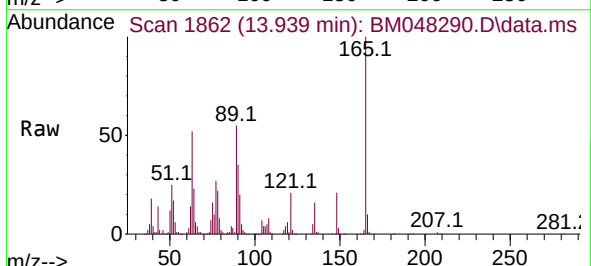
Tgt Ion:165 Resp: 361960

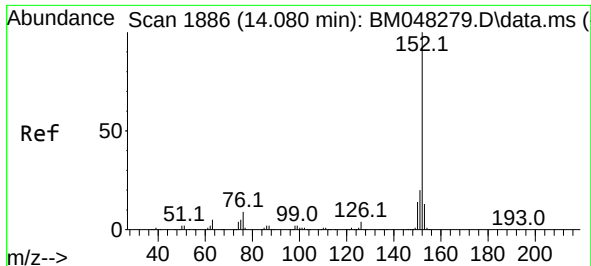
Ion Ratio Lower Upper

165 100

89 54.6 47.4 71.2

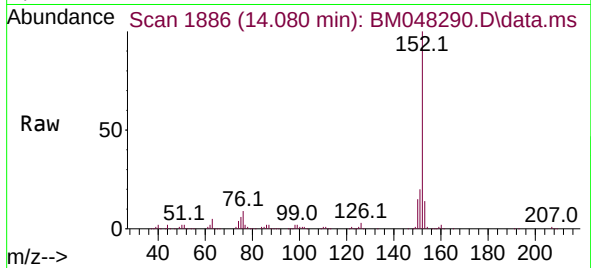
121 20.6 17.0 25.4





#50  
Acenaphthylene  
Concen: 4.432 ng/ul  
RT: 14.080 min Scan# 1886  
Delta R.T. -0.006 min  
Lab File: BM048290.D  
Acq: 29 Oct 2024 16:46

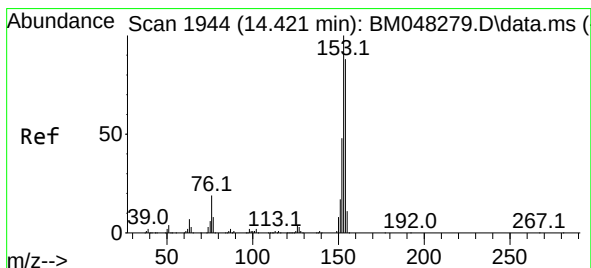
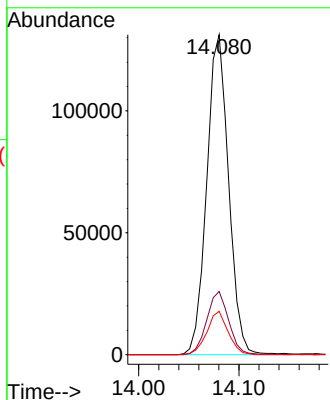
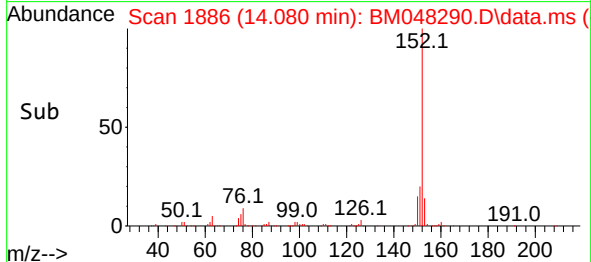
Instrument :  
BNA\_M  
ClientSampleId :  
A4E61DL



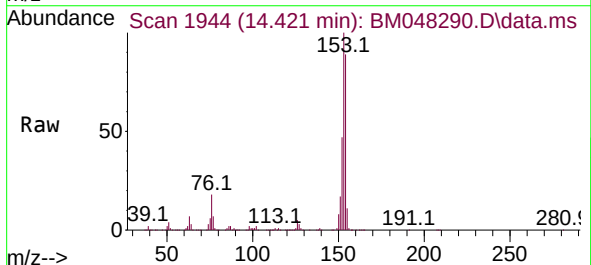
Tgt Ion:152 Resp: 199074  
Ion Ratio Lower Upper  
152 100  
151 19.7 15.7 23.5  
153 13.5 10.6 16.0

Manual Integrations  
APPROVED

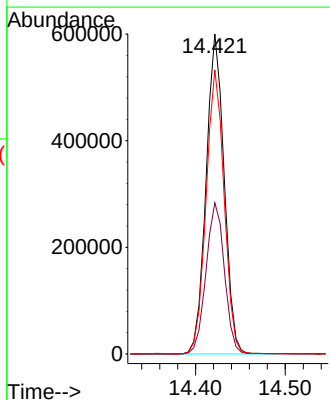
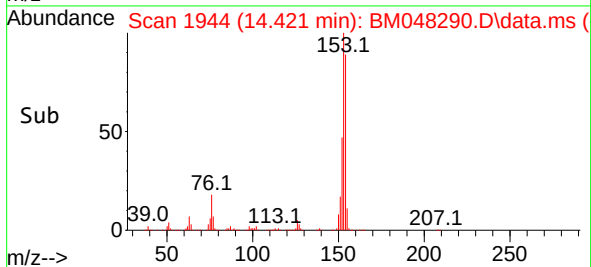
Reviewed By :Yogesh Patel 10/30/2024  
Supervised By :mohammad ahmed 11/01/2024

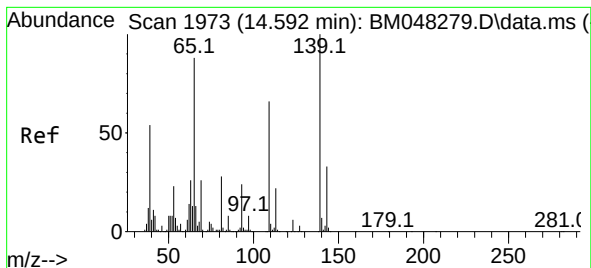


#52  
Acenaphthene  
Concen: 26.319 ng/ul  
RT: 14.421 min Scan# 1944  
Delta R.T. -0.006 min  
Lab File: BM048290.D  
Acq: 29 Oct 2024 16:46



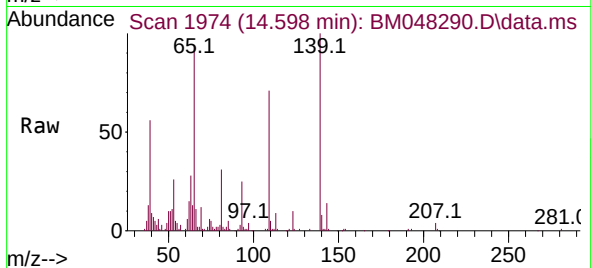
Tgt Ion:153 Resp: 838845  
Ion Ratio Lower Upper  
153 100  
152 47.3 37.8 56.8  
154 88.8 71.2 106.8





#55  
4-Nitrophenol  
Concen: 15.004 ng/ul m  
RT: 14.598 min Scan# 1973  
Delta R.T. 0.000 min  
Lab File: BM048290.D  
Acq: 29 Oct 2024 16:46

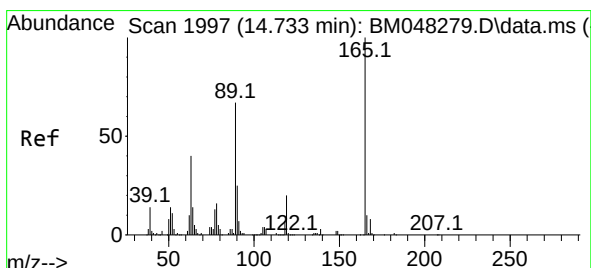
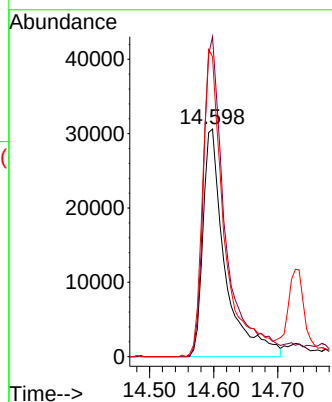
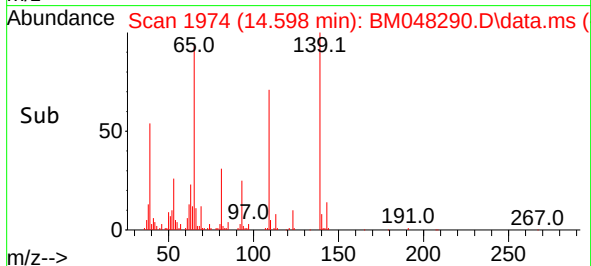
Instrument :  
BNA\_M  
ClientSampleId :  
A4E61DL



Tgt Ion:109 Resp: 73049  
Ion Ratio Lower Upper  
109 100  
139 140.5 118.1 177.1  
65 131.6 109.3 163.9

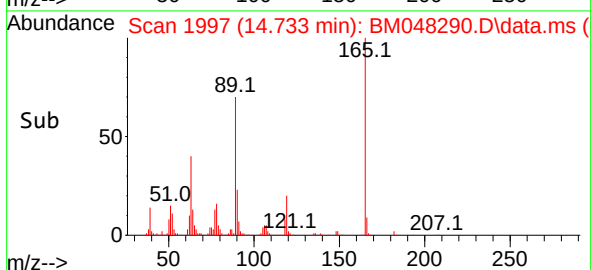
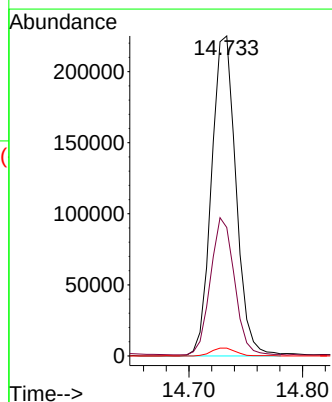
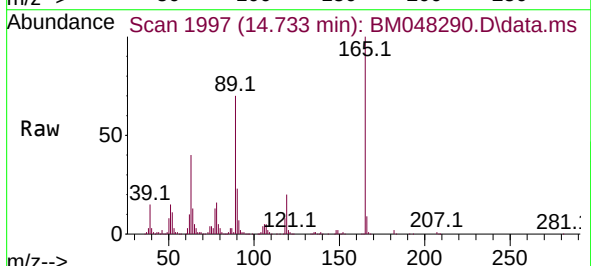
Manual Integrations  
APPROVED

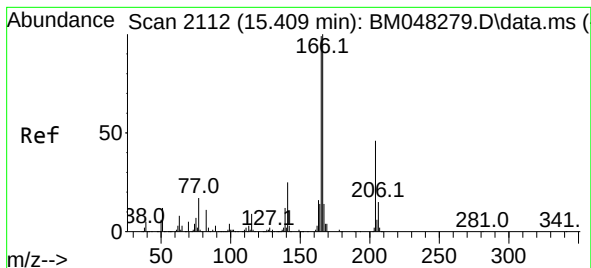
Reviewed By :Yogesh Patel 10/30/2024  
Supervised By :mohammad ahmed 11/01/2024



#57  
2,4-Dinitrotoluene  
Concen: 32.415 ng/ul  
RT: 14.733 min Scan# 1997  
Delta R.T. -0.006 min  
Lab File: BM048290.D  
Acq: 29 Oct 2024 16:46

Tgt Ion:165 Resp: 337021  
Ion Ratio Lower Upper  
165 100  
63 40.1 32.6 48.8  
182 2.5 1.9 2.9





#61

Fluorene

Concen: 39.648 ng/ul

RT: 15.410 min Scan# 2112

Delta R.T. -0.006 min

Lab File: BM048290.D

Acq: 29 Oct 2024 16:46

Instrument :

BNA\_M

ClientSampleId :

A4E61DL

Tgt Ion:166 Resp: 138434

Ion Ratio Lower Upper

166 100

165 99.3 77.9 116.9

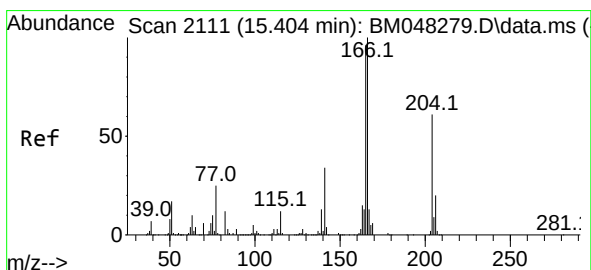
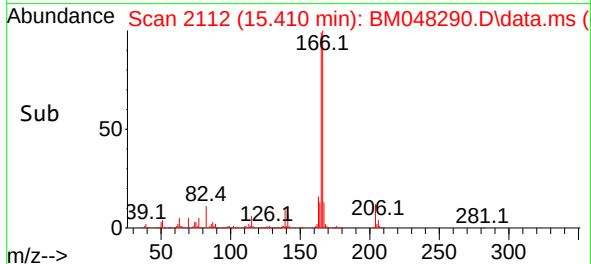
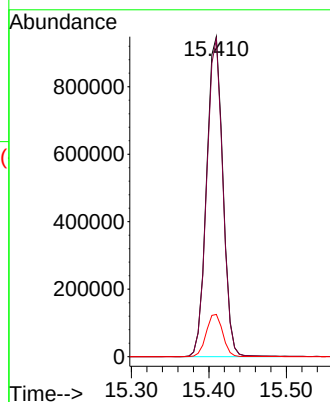
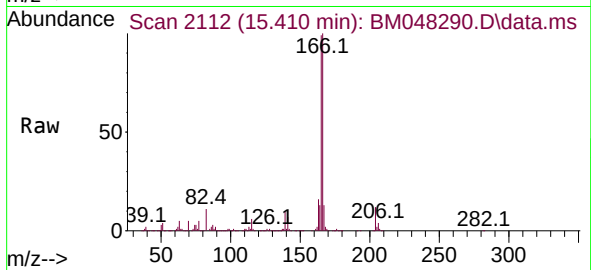
167 13.2 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/30/2024

Supervised By :mohammad ahmed 11/01/2024



#62

4-Chlorophenyl-phenylether

Concen: 12.591 ng/ul

RT: 15.404 min Scan# 2111

Delta R.T. -0.006 min

Lab File: BM048290.D

Acq: 29 Oct 2024 16:46

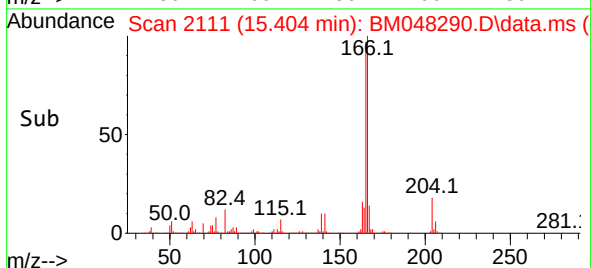
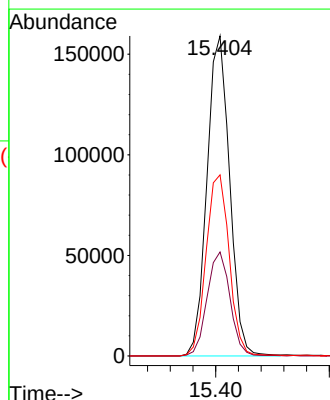
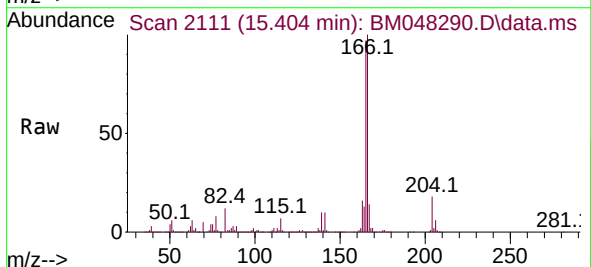
Tgt Ion:204 Resp: 220693

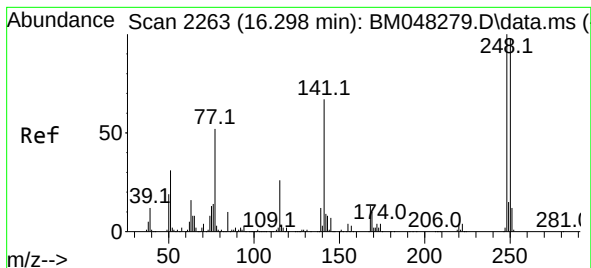
Ion Ratio Lower Upper

204 100

206 32.5 25.9 38.9

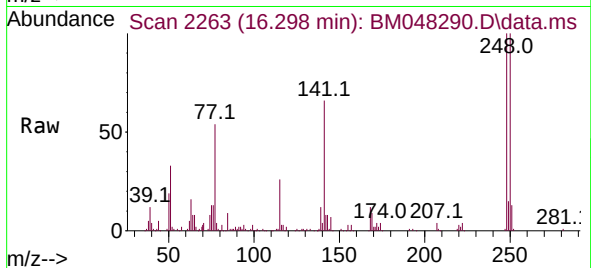
141 56.6 44.8 67.2





#68  
4-Bromophenyl-phenylether  
Concen: 9.315 ng/ul  
RT: 16.298 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BM048290.D  
Acq: 29 Oct 2024 16:46

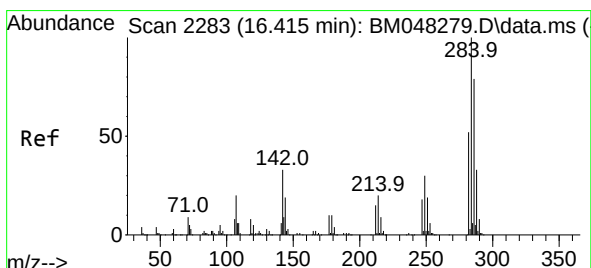
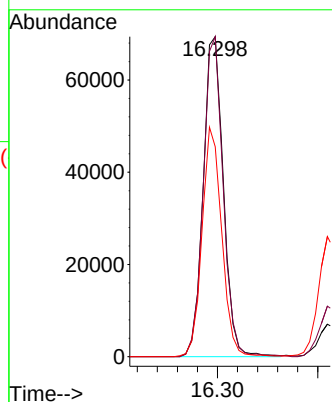
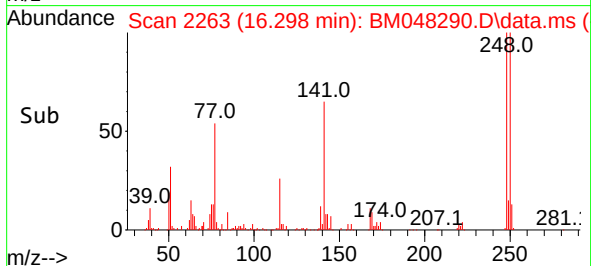
Instrument :  
BNA\_M  
ClientSampleId :  
A4E61DL



Tgt Ion:248 Resp: 97093  
Ion Ratio Lower Upper  
248 100  
250 100.0 77.2 115.8  
141 65.6 54.5 81.7

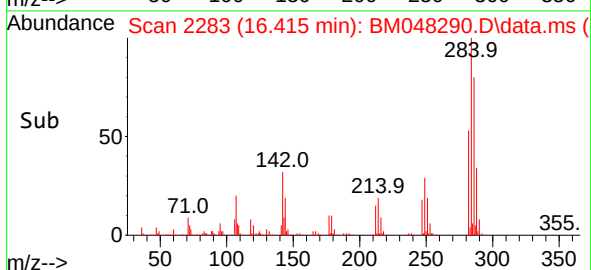
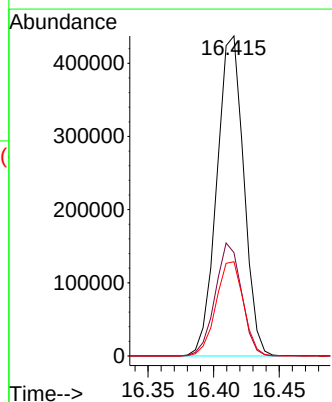
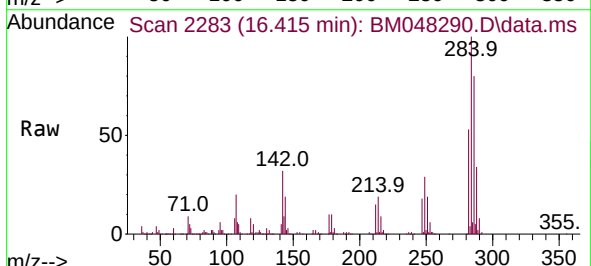
Manual Integrations  
APPROVED

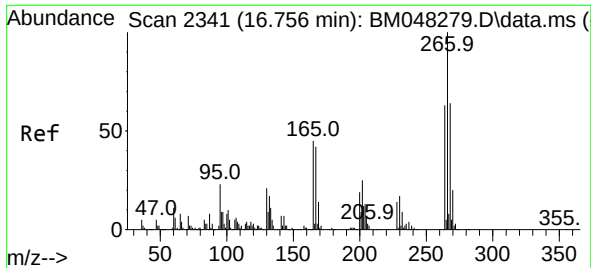
Reviewed By :Yogesh Patel 10/30/2024  
Supervised By :mohammad ahmed 11/01/2024



#69  
Hexachlorobenzene  
Concen: 50.093 ng/ul  
RT: 16.415 min Scan# 2283  
Delta R.T. 0.000 min  
Lab File: BM048290.D  
Acq: 29 Oct 2024 16:46

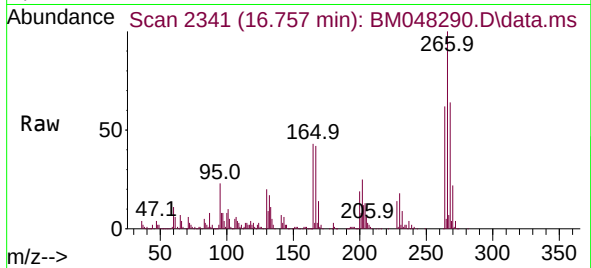
Tgt Ion:284 Resp: 624719  
Ion Ratio Lower Upper  
284 100  
142 32.3 28.3 42.5  
249 29.5 23.8 35.8





#71  
 Pentachlorophenol  
 Concen: 44.258 ng/ul  
 RT: 16.757 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BM048290.D  
 Acq: 29 Oct 2024 16:46

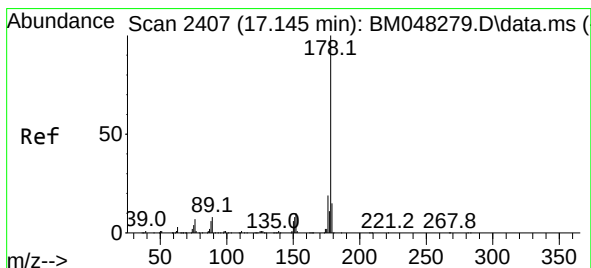
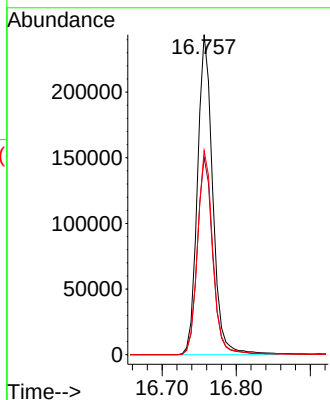
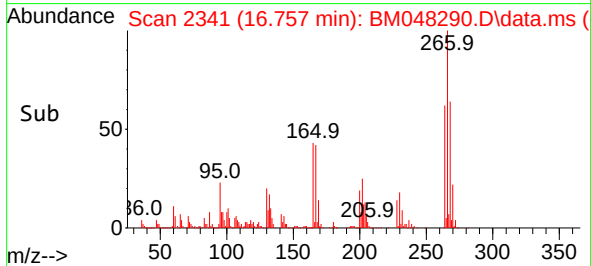
Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4E61DL



Tgt Ion:266 Resp: 34923  
 Ion Ratio Lower Upper  
 266 100  
 264 61.6 52.2 78.2  
 268 63.8 51.2 76.8

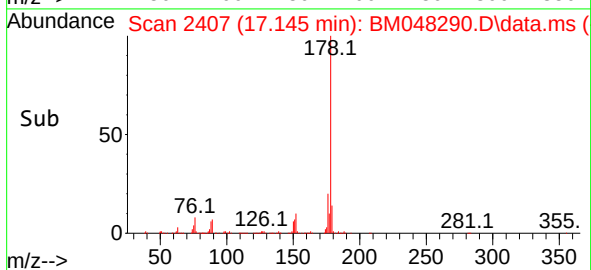
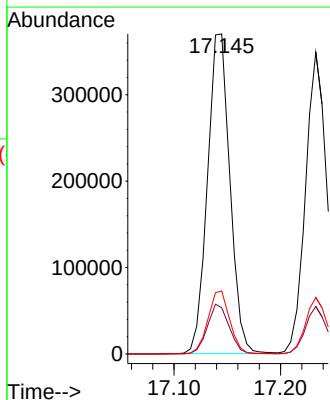
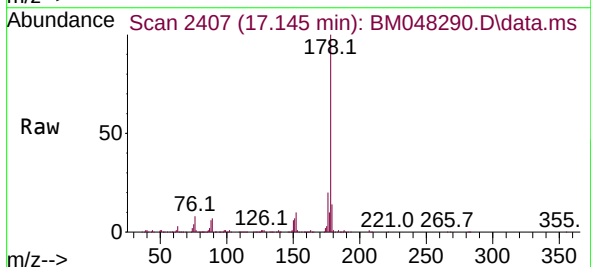
Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/30/2024  
 Supervised By :mohammad ahmed 11/01/2024

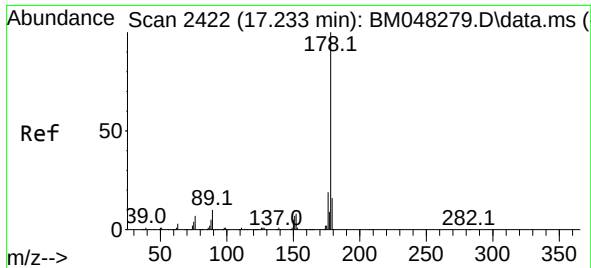


#72  
 Phenanthrene  
 Concen: 10.289 ng/ul  
 RT: 17.145 min Scan# 2407  
 Delta R.T. -0.006 min  
 Lab File: BM048290.D  
 Acq: 29 Oct 2024 16:46

Tgt Ion:178 Resp: 544299  
 Ion Ratio Lower Upper  
 178 100  
 179 14.4 12.6 18.8  
 176 19.7 15.4 23.2

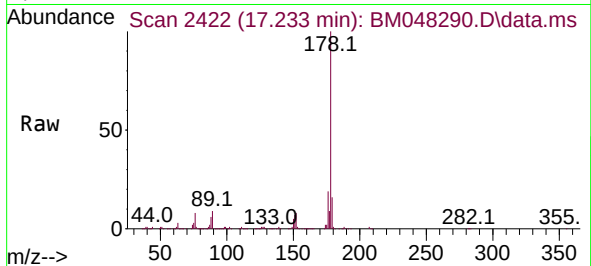






#74  
 Anthracene  
 Concen: 9.417 ng/ul  
 RT: 17.233 min Scan# 2422  
 Delta R.T. -0.006 min  
 Lab File: BM048290.D  
 Acq: 29 Oct 2024 16:46

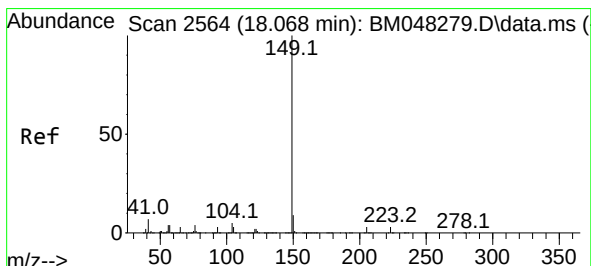
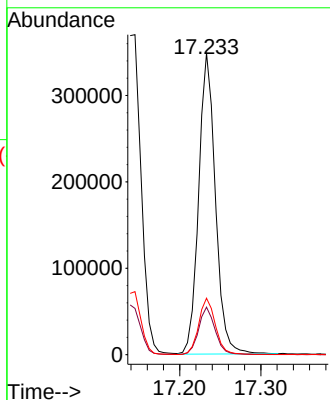
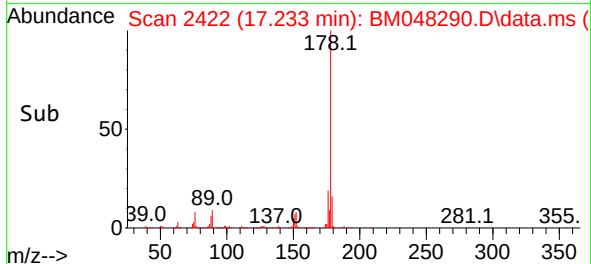
Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4E61DL



Tgt Ion:178 Resp: 49864  
 Ion Ratio Lower Upper  
 178 100  
 179 15.8 12.6 18.8  
 176 18.7 15.1 22.7

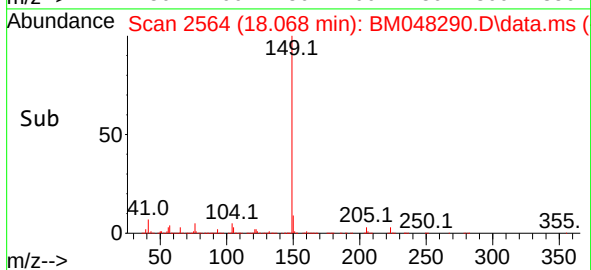
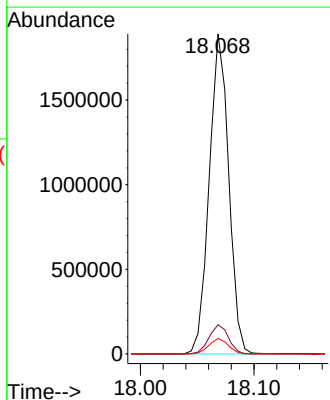
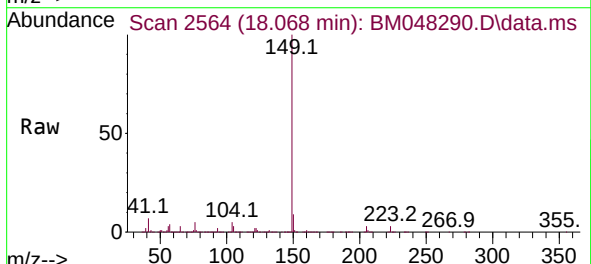
Manual Integrations  
 APPROVED

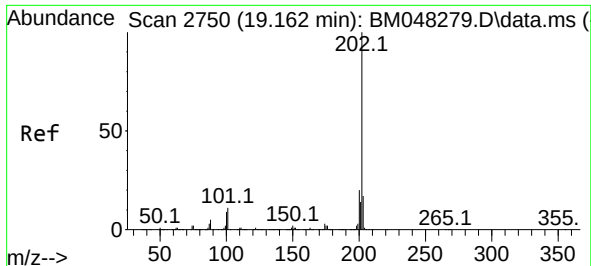
Reviewed By :Yogesh Patel 10/30/2024  
 Supervised By :mohammad ahmed 11/01/2024



#78  
 Di-n-butylphthalate  
 Concen: 36.871 ng/ul  
 RT: 18.068 min Scan# 2564  
 Delta R.T. -0.006 min  
 Lab File: BM048290.D  
 Acq: 29 Oct 2024 16:46

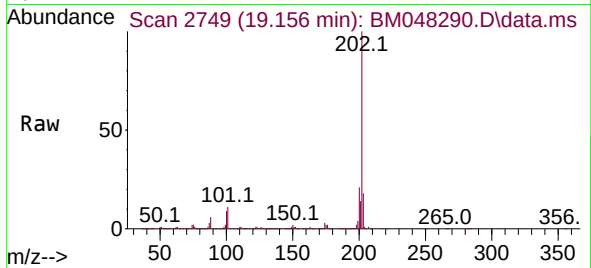
Tgt Ion:149 Resp: 2252640  
 Ion Ratio Lower Upper  
 149 100  
 150 9.1 7.3 10.9  
 104 4.8 3.9 5.9





#80  
Fluoranthene  
Concen: 34.657 ng/ul  
RT: 19.156 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BM048290.D  
Acq: 29 Oct 2024 16:46

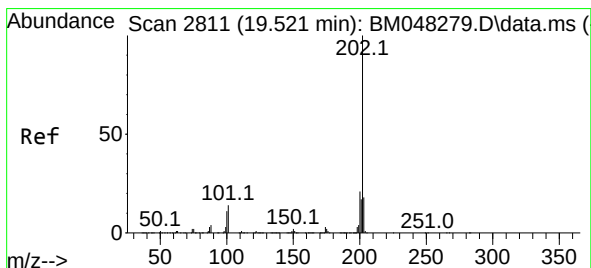
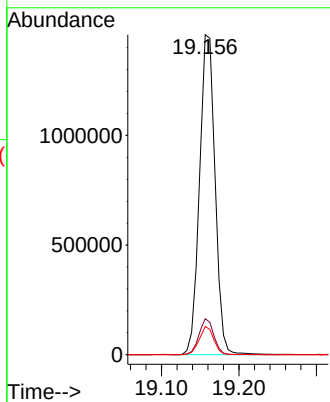
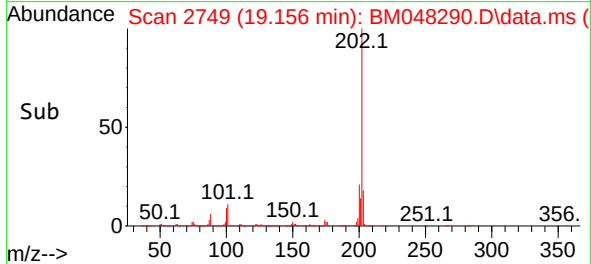
Instrument :  
BNA\_M  
ClientSampleId :  
A4E61DL



Tgt Ion:202 Resp: 2036079  
Ion Ratio Lower Upper  
202 100  
101 11.2 8.2 12.2  
100 8.8 6.5 9.7

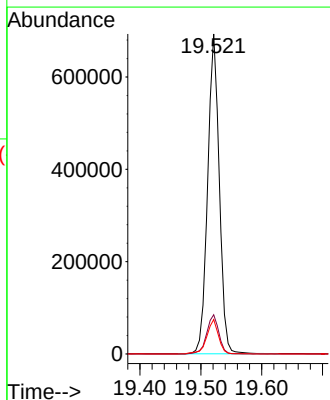
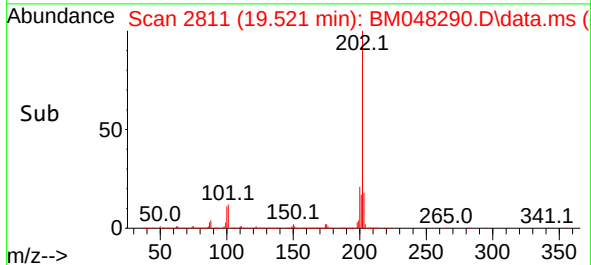
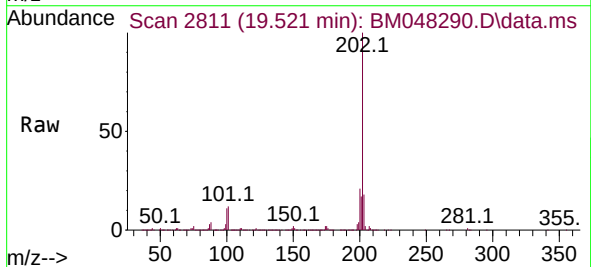
Manual Integrations  
APPROVED

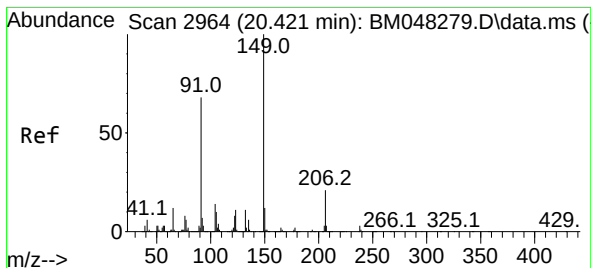
Reviewed By :Yogesh Patel 10/30/2024  
Supervised By :mohammad ahmed 11/01/2024



#82  
Pyrene  
Concen: 14.611 ng/ul  
RT: 19.521 min Scan# 2811  
Delta R.T. -0.006 min  
Lab File: BM048290.D  
Acq: 29 Oct 2024 16:46

Tgt Ion:202 Resp: 920349  
Ion Ratio Lower Upper  
202 100  
101 12.3 10.1 15.1  
100 10.8 8.3 12.5





#83

Butylbenzylphthalate

Concen: 8.375 ng/ul

RT: 20.421 min Scan# 2964

Delta R.T. -0.006 min

Lab File: BM048290.D

Acq: 29 Oct 2024 16:46

Instrument :

BNA\_M

ClientSampleId :

A4E61DL

Tgt Ion:149 Resp: 21801

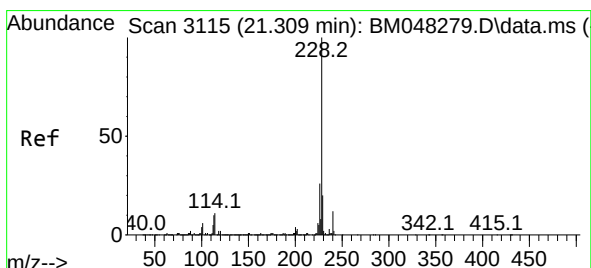
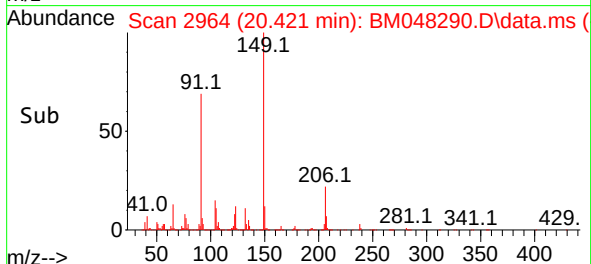
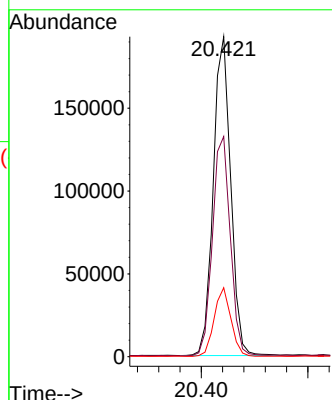
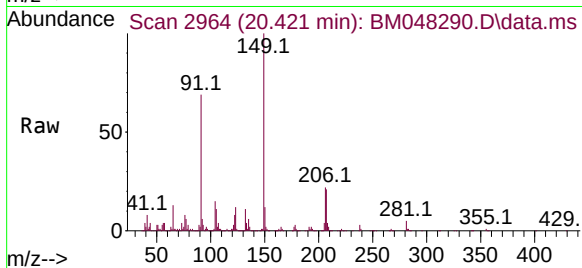
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 91  | 68.8  | 54.2  | 81.2  |
| 206 | 21.5  | 16.6  | 24.8  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/30/2024

Supervised By :mohammad ahmed 11/01/2024



#85

Benzo(a)anthracene

Concen: 27.729 ng/ul

RT: 21.309 min Scan# 3115

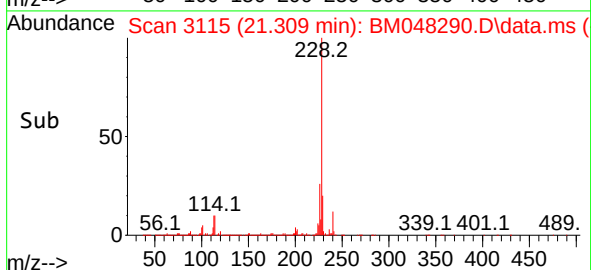
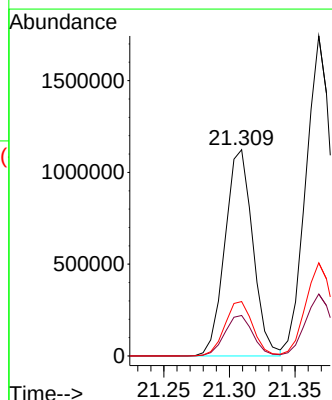
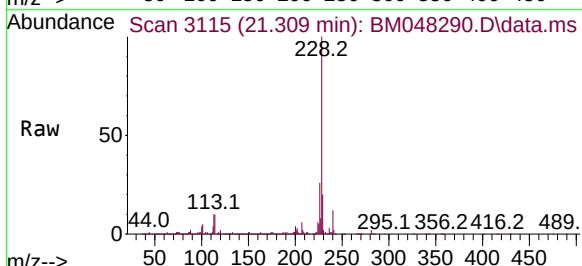
Delta R.T. -0.006 min

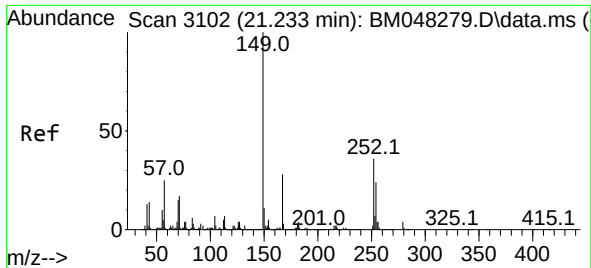
Lab File: BM048290.D

Acq: 29 Oct 2024 16:46

Tgt Ion:228 Resp: 1663847

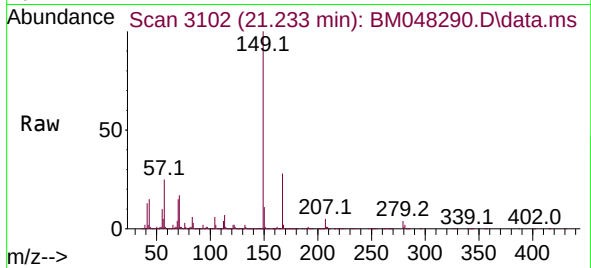
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 229 | 19.6  | 15.4  | 23.2  |
| 226 | 26.4  | 21.6  | 32.4  |





#86  
Bis(2-ethylhexyl)phthalate  
Concen: 40.526 ng/ul  
RT: 21.233 min Scan# 3102  
Delta R.T. -0.006 min  
Lab File: BM048290.D  
Acq: 29 Oct 2024 16:46

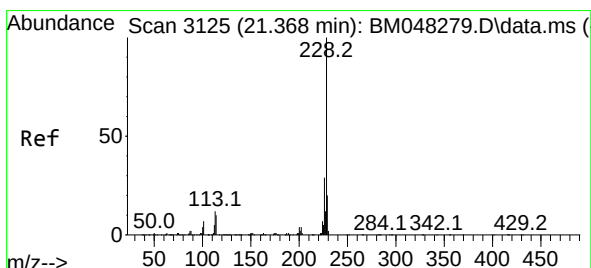
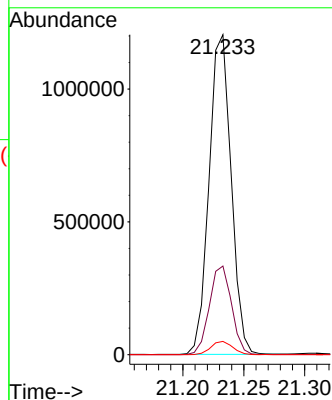
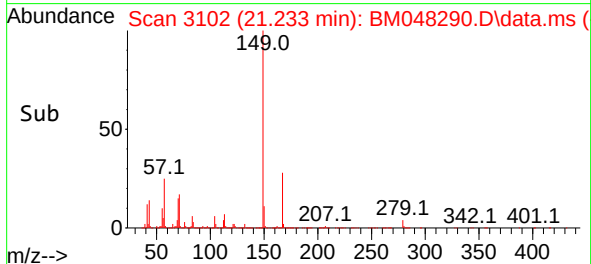
Instrument :  
BNA\_M  
ClientSampleId :  
A4E61DL



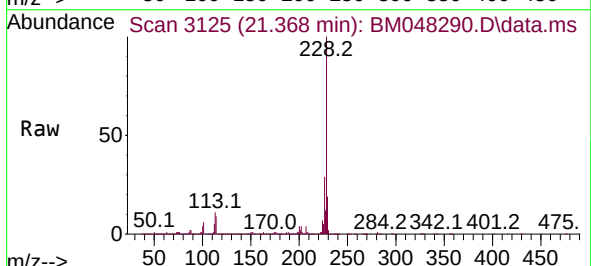
Tgt Ion:149 Resp: 152013  
Ion Ratio Lower Upper  
149 100  
167 27.7 22.9 34.3  
279 4.1 3.3 4.9

Manual Integrations  
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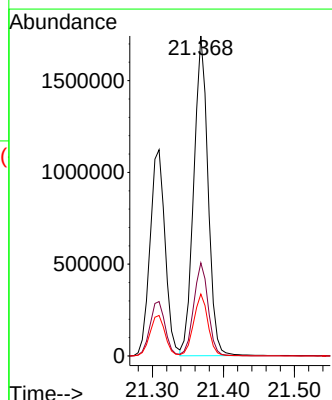
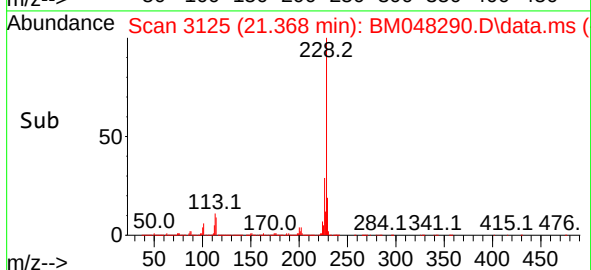
Reviewed By :Yogesh Patel 10/30/2024  
Supervised By :mohammad ahmed 11/01/2024

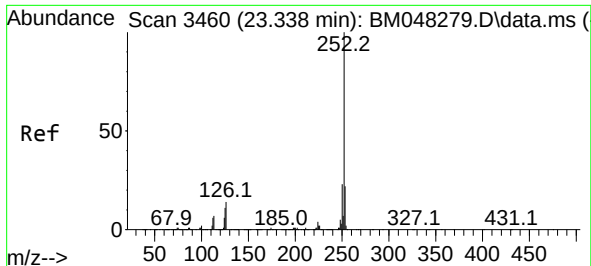


#87  
Chrysene  
Concen: 43.150 ng/ul  
RT: 21.368 min Scan# 3125  
Delta R.T. -0.006 min  
Lab File: BM048290.D  
Acq: 29 Oct 2024 16:46



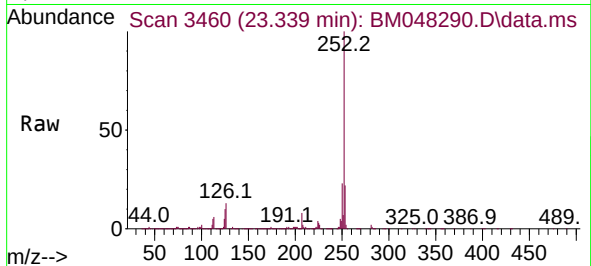
Tgt Ion:228 Resp: 2434682  
Ion Ratio Lower Upper  
228 100  
226 29.1 24.2 36.2  
229 19.3 15.5 23.3





#90  
Benzo(b)fluoranthene  
Concen: 38.745 ng/u1  
RT: 23.339 min Scan# 3460  
Delta R.T. -0.012 min  
Lab File: BM048290.D  
Acq: 29 Oct 2024 16:46

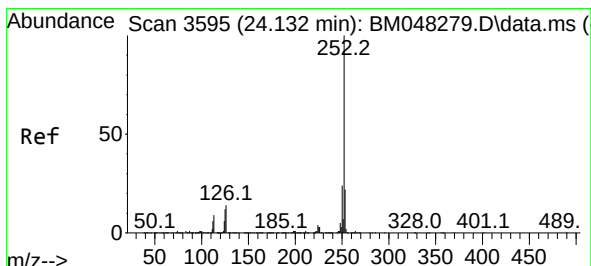
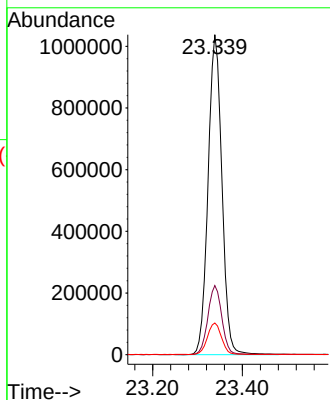
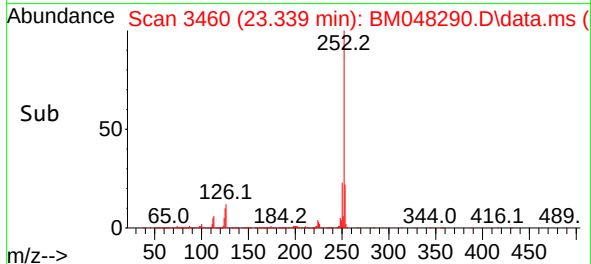
Instrument :  
BNA\_M  
ClientSampleId :  
A4E61DL



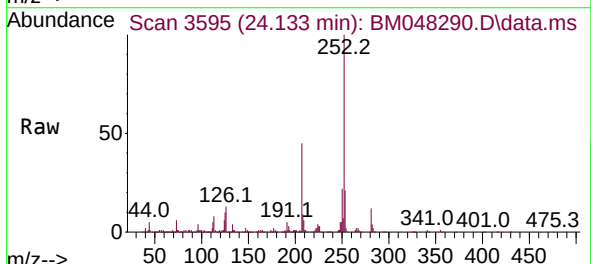
Tgt Ion:252 Resp: 221496  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.8 26.8  
125 9.9 7.8 11.6

Manual Integrations  
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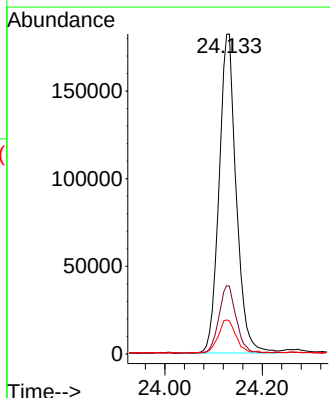
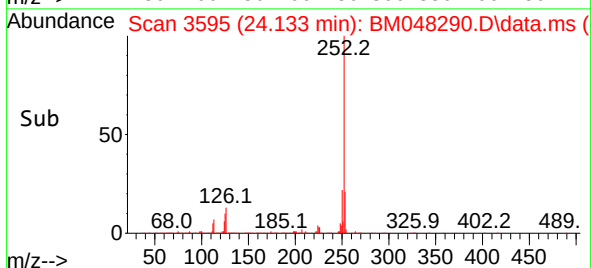
Reviewed By :Yogesh Patel 10/30/2024  
Supervised By :mohammad ahmed 11/01/2024

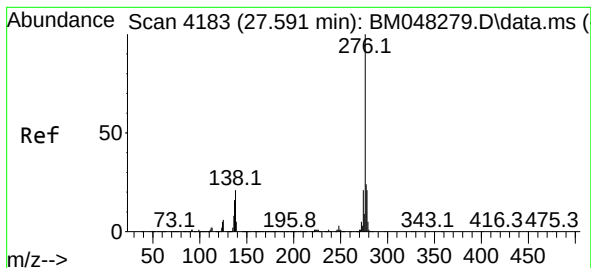


#93  
Benzo(a)pyrene  
Concen: 8.595 ng/u1  
RT: 24.133 min Scan# 3595  
Delta R.T. -0.012 min  
Lab File: BM048290.D  
Acq: 29 Oct 2024 16:46



Tgt Ion:252 Resp: 447008  
Ion Ratio Lower Upper  
252 100  
253 21.2 17.0 25.6  
125 10.3 8.5 12.7





#94

Indeno(1,2,3-cd)pyrene

Concen: 7.319 ng/ul m

RT: 27.632 min Scan# 4190

Delta R.T. 0.024 min

Lab File: BM048290.D

Acq: 29 Oct 2024 16:46

Instrument :

BNA\_M

ClientSampleId :

A4E61DL

Tgt Ion:276 Resp: 458424

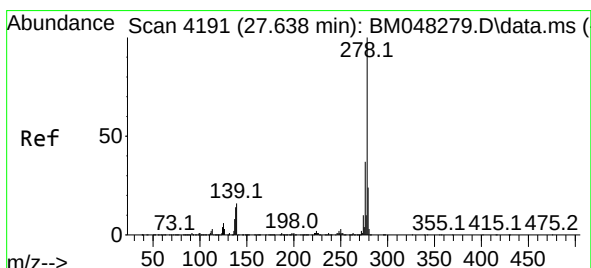
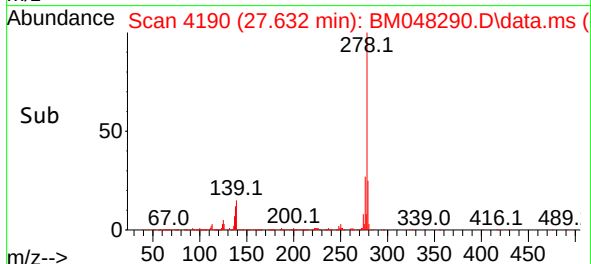
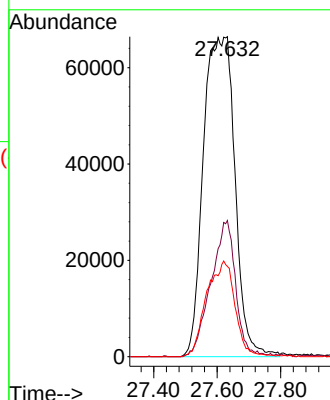
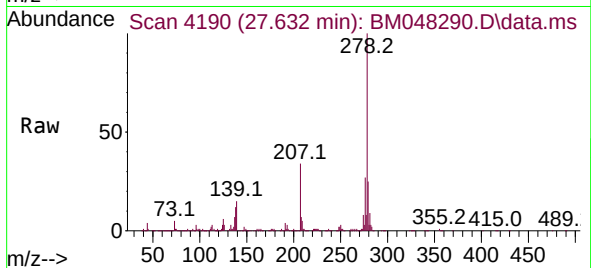
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 42.5  | 15.9  | 23.9  |
| 277 | 28.2  | 18.8  | 28.2  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/30/2024

Supervised By :mohammad ahmed 11/01/2024



#95

Dibenzo(a,h)anthracene

Concen: 18.885 ng/ul

RT: 27.632 min Scan# 4190

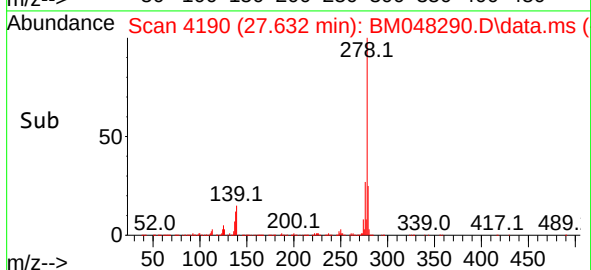
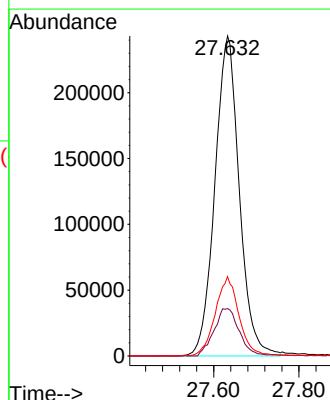
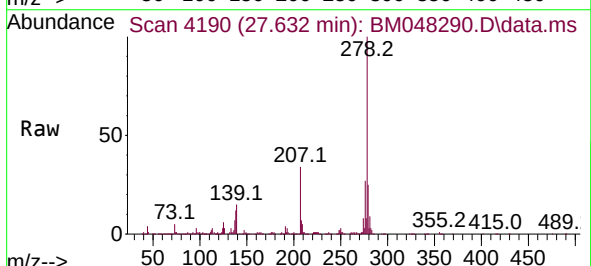
Delta R.T. -0.023 min

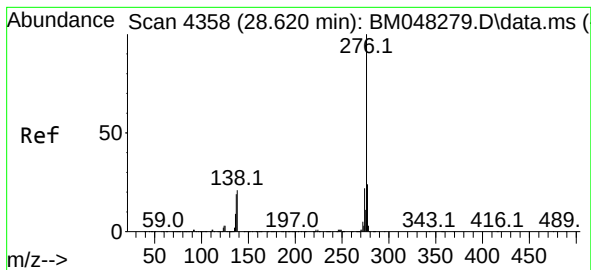
Lab File: BM048290.D

Acq: 29 Oct 2024 16:46

Tgt Ion:278 Resp: 967379

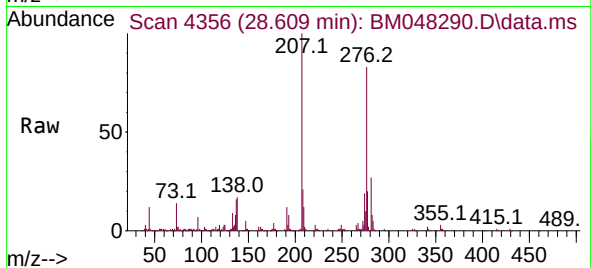
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 14.8  | 12.6  | 18.8  |
| 279 | 24.8  | 19.0  | 28.6  |





#96  
 Benzo(g,h,i)perylene  
 Concen: 6.622 ng/ul  
 RT: 28.609 min Scan# 41  
 Delta R.T. -0.035 min  
 Lab File: BM048290.D  
 Acq: 29 Oct 2024 16:46

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4E61DL



Tgt Ion:276 Resp: 31826  
 Ion Ratio Lower Upper  
 276 100  
 138 21.1 16.5 24.7  
 277 23.9 18.1 27.1

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/30/2024  
 Supervised By :mohammad ahmed 11/01/2024

