

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN110222\  
 Data File : BN022462.D  
 Acq On : 02 Nov 2022 12:54  
 Operator : CG/JU  
 Sample : PB148513BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB148513BS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 11/03/2022  
 Supervised By : mohammad ahmed 11/07/2022

Quant Time: Nov 02 13:37:20 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN102722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 02 05:31:40 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.928  | 152  | 3565     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.752 | 136  | 12057    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.593 | 164  | 5294     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.354 | 188  | 8375     | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.555 | 240  | 6533     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.999 | 264  | 6729     | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.458  | 112  | 3250     | 0.342 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.090  | 99   | 4148     | 0.348 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.108  | 82   | 4126     | 0.396 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.346 | 152  | 6309     | 0.334 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.100 | 330  | 698      | 0.307 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.214 | 172  | 8931     | 0.394 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.390 | 212  | 7492     | 0.324 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.984 | 244  | 7024     | 0.413 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.277  | 88   | 1964     | 0.393 | ng    | 98       |
| 3) n-Nitrosodimethylamine     | 3.623  | 42   | 2093     | 0.394 | ng    | 97       |
| 6) bis(2-Chloroethyl)ether    | 7.350  | 93   | 3622     | 0.317 | ng    | 99       |
| 9) Naphthalene                | 10.795 | 128  | 13238    | 0.367 | ng    | 100      |
| 10) Hexachlorobutadiene       | 11.072 | 225  | 2352     | 0.385 | ng    | # 99     |
| 12) 2-Methylnaphthalene       | 12.062 | 142  | 2285     | 0.319 | ng    | 97       |
| 16) Acenaphthylene            | 14.315 | 152  | 9482     | 0.370 | ng    | 99       |
| 17) Acenaphthene              | 14.657 | 154  | 6276     | 0.359 | ng    | 98       |
| 18) Fluorene                  | 15.640 | 166  | 7535     | 0.309 | ng    | 99       |
| 20) 4,6-Dinitro-2-methylph... | 15.753 | 198  | 58       | 0.043 | ng    | # 1      |
| 21) 4-Bromophenyl-phenylether | 16.535 | 248  | 1966     | 0.389 | ng    | # 91     |
| 22) Hexachlorobenzene         | 16.646 | 284  | 2235     | 0.386 | ng    | 98       |
| 23) Atrazine                  | 16.808 | 200  | 1502     | 0.356 | ng    | # 94     |
| 24) Pentachlorophenol         | 17.006 | 266  | 664      | 0.277 | ng    | 98       |
| 25) Phenanthrene              | 17.391 | 178  | 9873     | 0.344 | ng    | 99       |
| 26) Anthracene                | 17.490 | 178  | 8439     | 0.349 | ng    | 100      |
| 28) Fluoranthene              | 19.420 | 202  | 9945     | 0.319 | ng    | 99       |
| 30) Pyrene                    | 19.782 | 202  | 10224    | 0.340 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.537 | 228  | 9378     | 0.365 | ng    | 98       |
| 33) Chrysene                  | 21.591 | 228  | 9515     | 0.354 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.456 | 149  | 7163     | 0.390 | ng    | 97       |
| 36) Indeno(1,2,3-cd)pyrene    | 26.560 | 276  | 10374    | 0.312 | ng    | 98       |
| 37) Benzo(b)fluoranthene      | 23.248 | 252  | 9471m    | 0.307 | ng    |          |
| 38) Benzo(k)fluoranthene      | 23.297 | 252  | 9502     | 0.310 | ng    | # 91     |
| 39) Benzo(a)pyrene            | 23.891 | 252  | 8213     | 0.328 | ng    | 92       |
| 40) Dibenzo(a,h)anthracene    | 26.587 | 278  | 8199     | 0.316 | ng    | # 90     |
| 41) Benzo(g,h,i)perylene      | 27.353 | 276  | 8692     | 0.317 | ng    | 95       |
| -----                         |        |      |          |       |       |          |

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

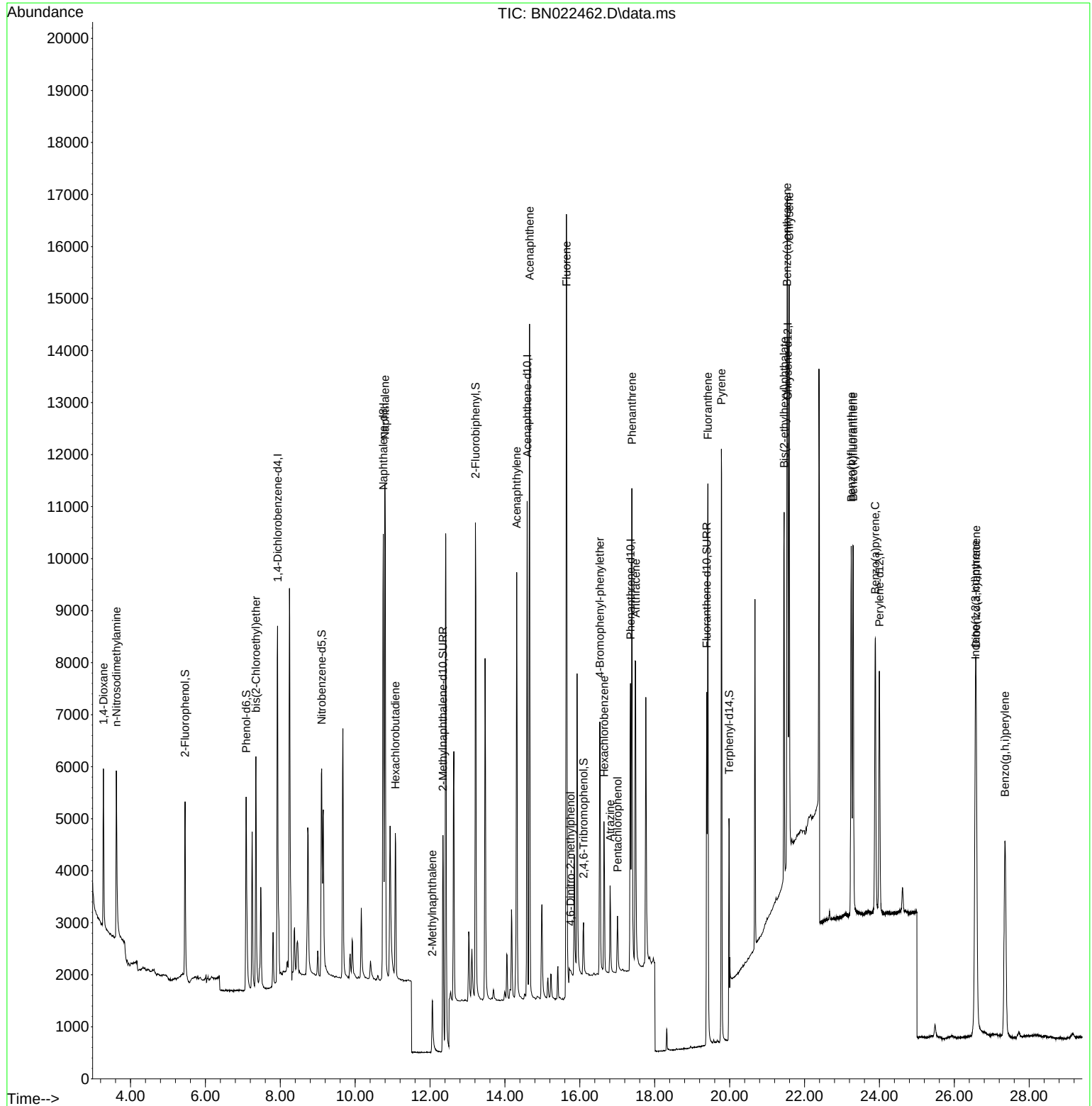
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN110222\  
 Data File : BN022462.D  
 Acq On : 02 Nov 2022 12:54  
 Operator : CG/JU  
 Sample : PB148513BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

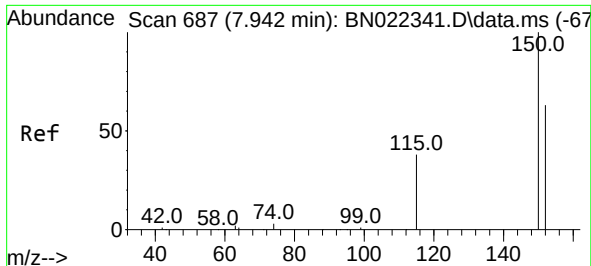
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB148513BS

### Manual Integrations APPROVED

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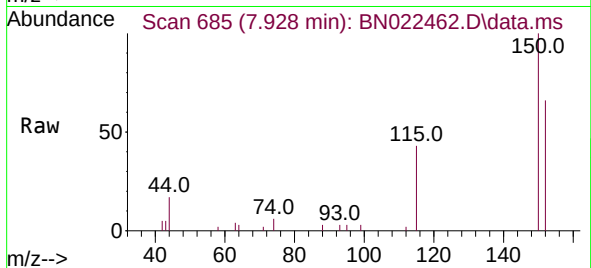
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 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.928 min Scan# 687  
 Delta R.T. -0.000 min  
 Lab File: BN022462.D  
 Acq: 02 Nov 2022 12:54

Instrument :

BNA\_N

ClientSampleId :

PB148513BS

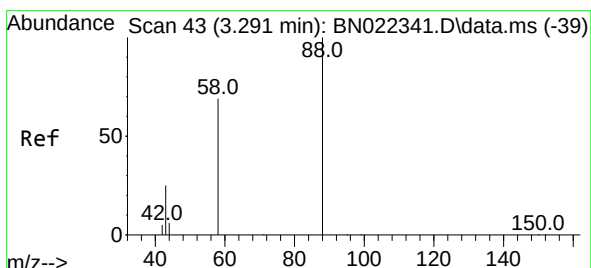
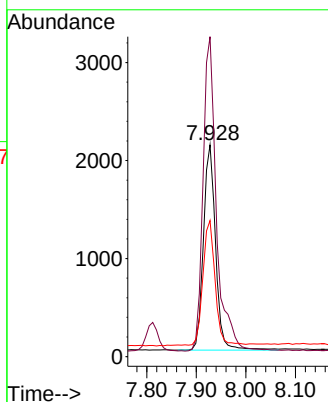
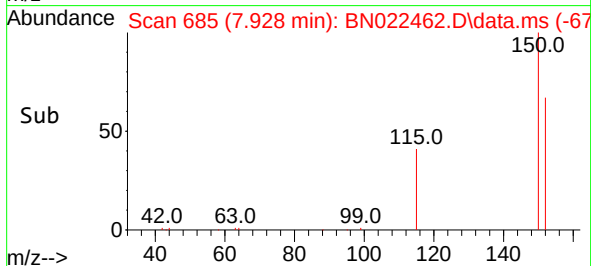


Tgt Ion: 152 Resp: 356  
 Ion Ratio Lower Upper  
 152 100  
 150 151.1 125.2 187.8  
 115 64.2 52.0 78.0

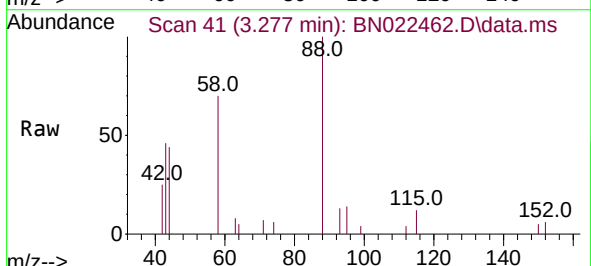
Manual Integrations

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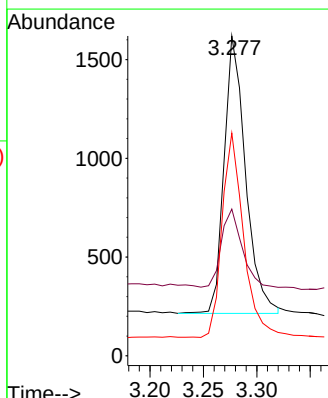
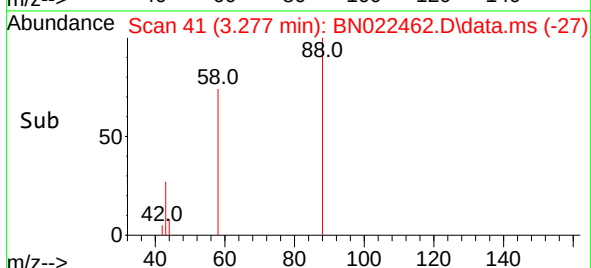
Reviewed By :Christian Giraldo 11/03/2022  
 Supervised By :mohammad ahmed 11/07/2022

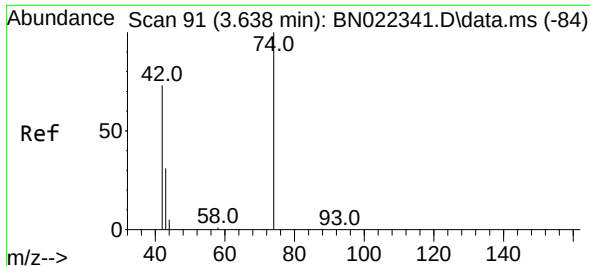


#2  
 1,4-Dioxane  
 Concen: 0.393 ng  
 RT: 3.277 min Scan# 41  
 Delta R.T. -0.000 min  
 Lab File: BN022462.D  
 Acq: 02 Nov 2022 12:54



Tgt Ion: 88 Resp: 1964  
 Ion Ratio Lower Upper  
 88 100  
 43 27.1 22.6 33.8  
 58 73.5 59.7 89.5





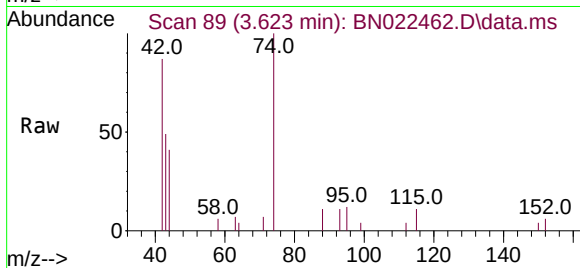
#3  
n-Nitrosodimethylamine  
Concen: 0.394 ng  
RT: 3.623 min Scan# 89  
Delta R.T. -0.000 min  
Lab File: BN022462.D  
Acq: 02 Nov 2022 12:54

Instrument :

BNA\_N

ClientSampleId :

PB148513BS

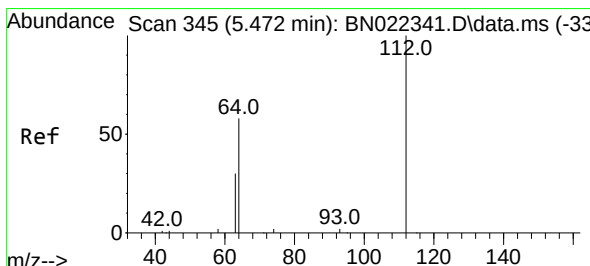
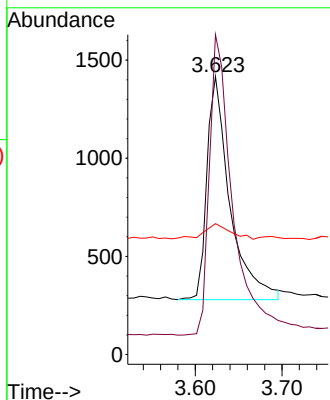
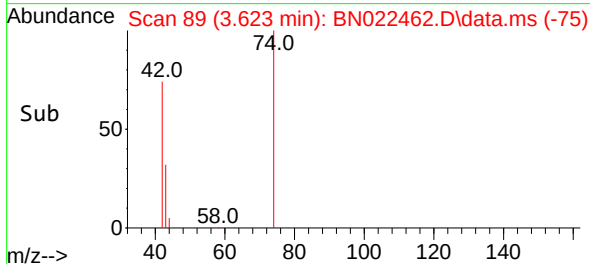


Tgt Ion: 42 Resp: 2093  
Ion Ratio Lower Upper  
42 100  
74 136.1 105.6 158.4  
44 8.0 7.1 10.7

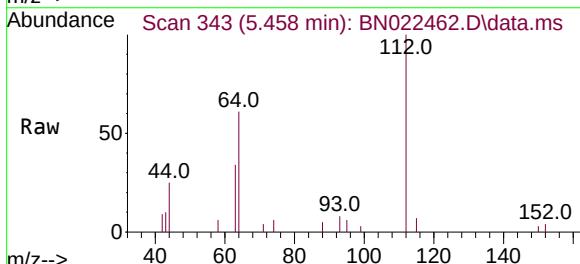
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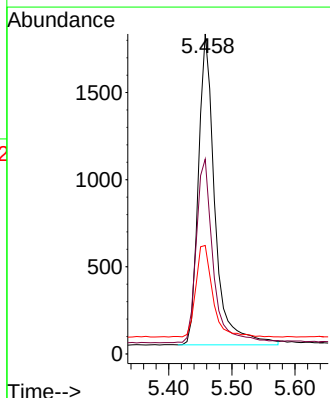
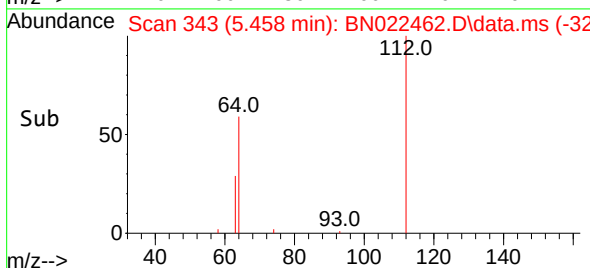
Reviewed By :Christian Giraldo 11/03/2022  
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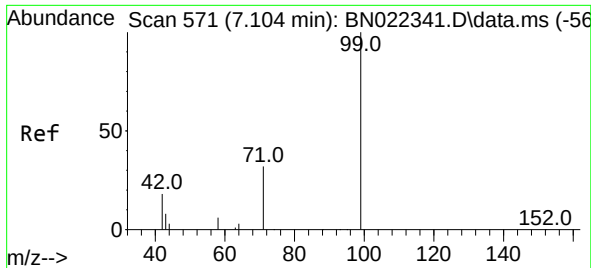


#4  
2-Fluorophenol  
Concen: 0.342 ng  
RT: 5.458 min Scan# 343  
Delta R.T. -0.000 min  
Lab File: BN022462.D  
Acq: 02 Nov 2022 12:54



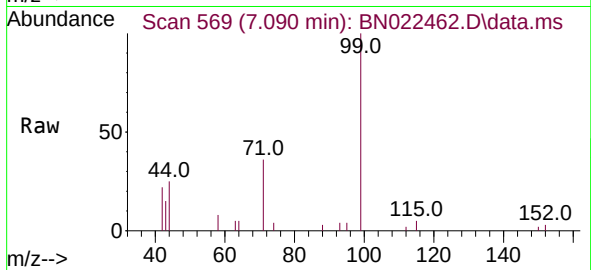
Tgt Ion:112 Resp: 3250  
Ion Ratio Lower Upper  
112 100  
64 60.5 47.0 70.4  
63 30.2 24.5 36.7





#5  
Phenol-d6  
Concen: 0.348 ng  
RT: 7.090 min Scan# 50  
Delta R.T. -0.000 min  
Lab File: BN022462.D  
Acq: 02 Nov 2022 12:54

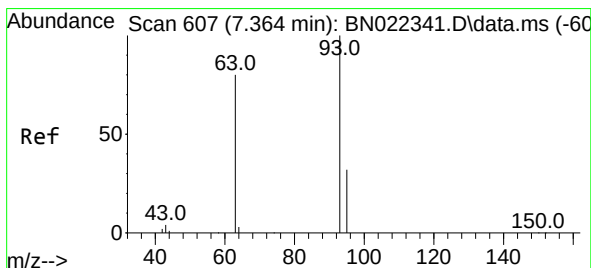
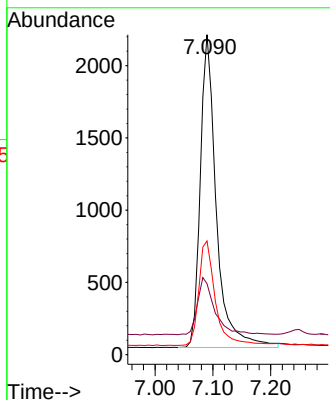
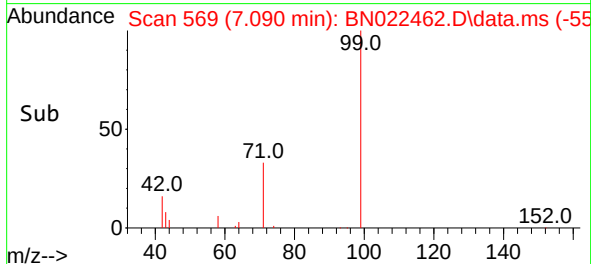
Instrument :  
BNA\_N  
ClientSampleId :  
PB148513BS



Tgt Ion: 99 Resp: 4148  
Ion Ratio Lower Upper  
99 100  
42 19.8 16.3 24.5  
71 34.7 26.1 39.1

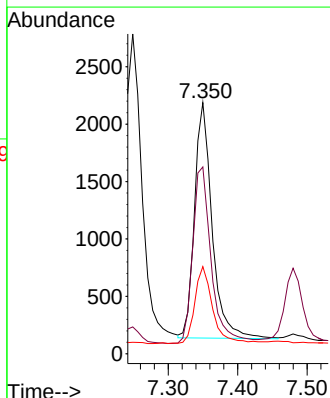
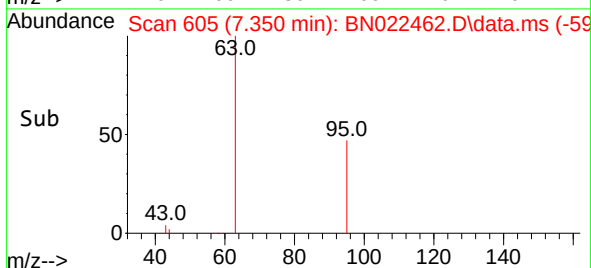
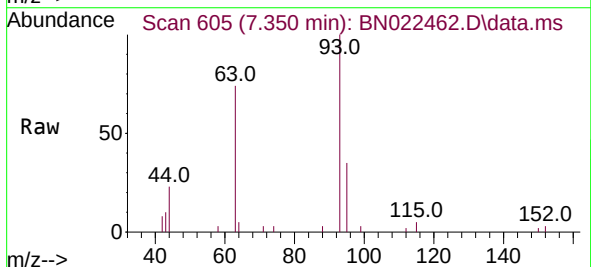
Manual Integrations  
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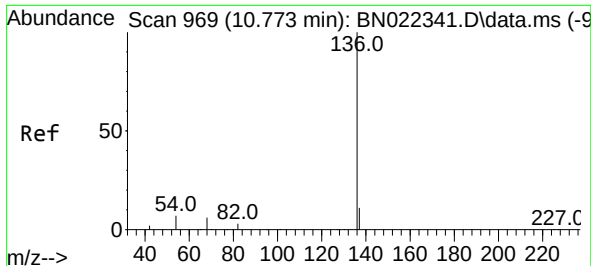
Reviewed By :Christian Giraldo 11/03/2022  
Supervised By :mohammad ahmed 11/07/2022



#6  
bis(2-Chloroethyl)ether  
Concen: 0.317 ng  
RT: 7.350 min Scan# 605  
Delta R.T. -0.000 min  
Lab File: BN022462.D  
Acq: 02 Nov 2022 12:54

Tgt Ion: 93 Resp: 3622  
Ion Ratio Lower Upper  
93 100  
63 78.5 62.6 93.8  
95 33.4 26.1 39.1





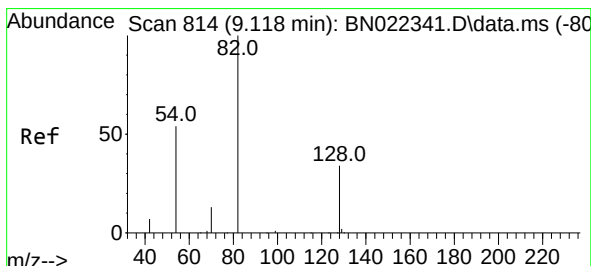
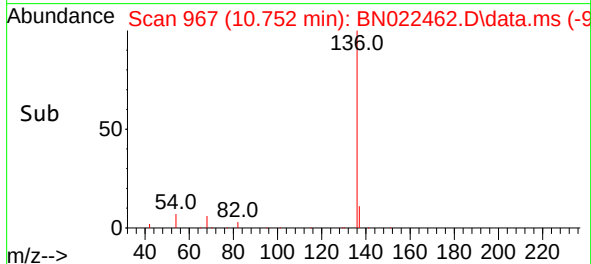
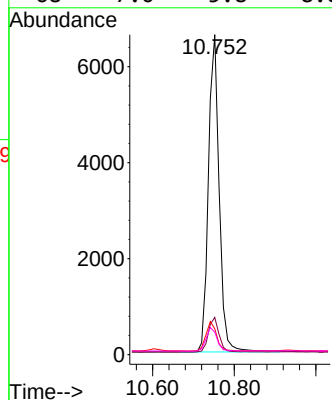
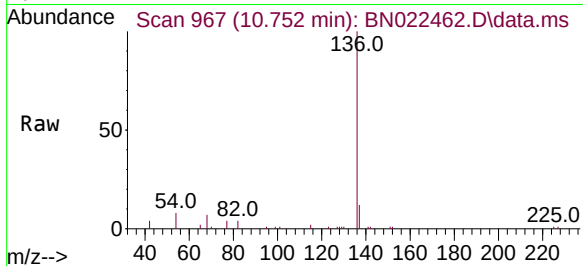
#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.752 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: BN022462.D  
Acq: 02 Nov 2022 12:54

Instrument :  
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PB148513BS

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 136   | Resp: | 1205 |
| Ion Ratio | Lower | Upper |      |
| 136       | 100   |       |      |
| 137       | 11.7  | 9.4   | 14.2 |
| 54        | 8.1   | 6.5   | 9.7  |
| 68        | 7.0   | 5.8   | 8.8  |

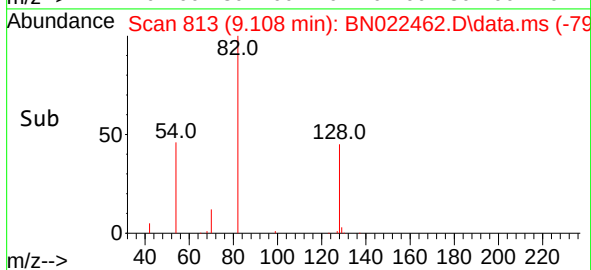
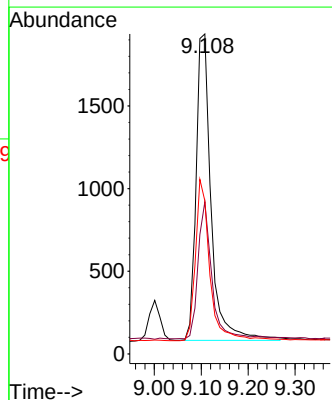
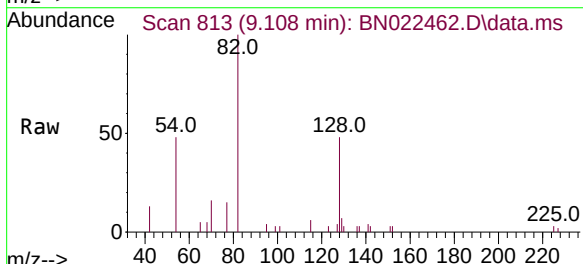
Manual Integrations  
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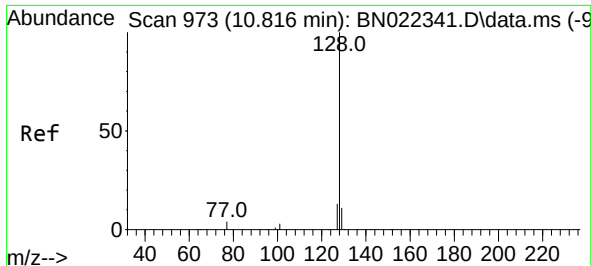
Reviewed By :Christian Giraldo 11/03/2022  
Supervised By :mohammad ahmed 11/07/2022



#8  
Nitrobenzene-d5  
Concen: 0.396 ng  
RT: 9.108 min Scan# 813  
Delta R.T. -0.000 min  
Lab File: BN022462.D  
Acq: 02 Nov 2022 12:54

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 82    | Resp: | 4126  |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 47.5  | 30.5  | 45.7# |
| 54        | 47.8  | 45.2  | 67.8  |





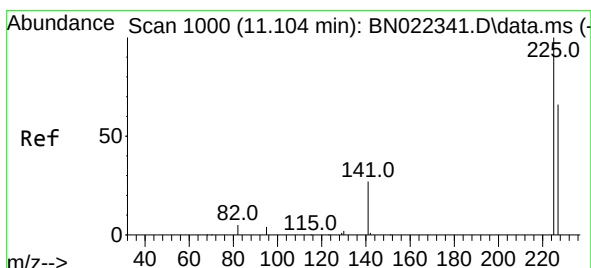
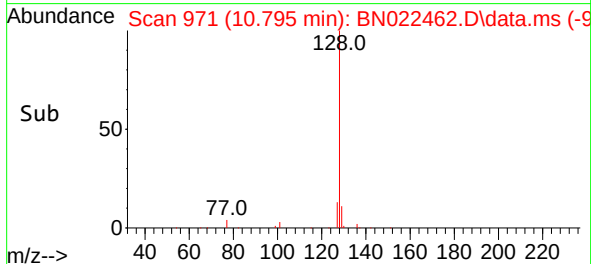
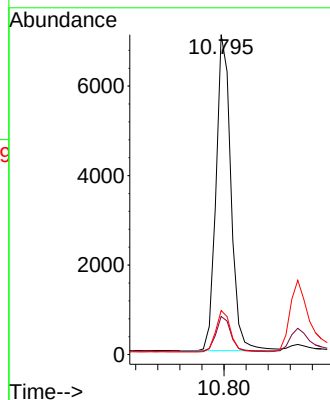
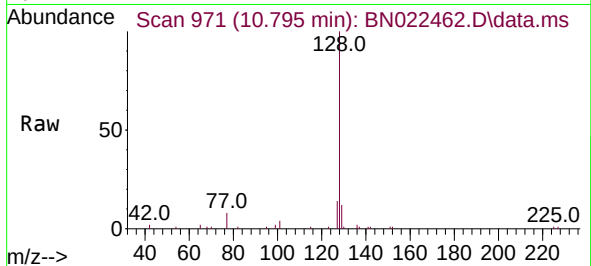
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Naphthalene  
Concen: 0.367 ng  
RT: 10.795 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BN022462.D  
Acq: 02 Nov 2022 12:54

Instrument :  
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Tgt Ion:128 Resp: 13238  
Ion Ratio Lower Upper  
128 100  
129 11.9 9.4 14.2  
127 13.8 11.0 16.6

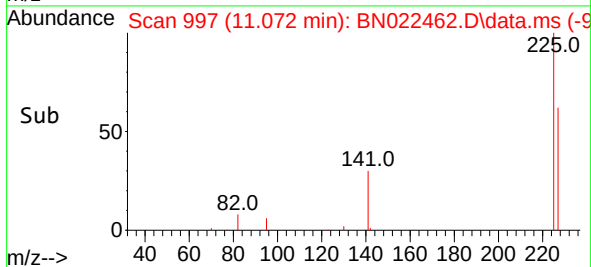
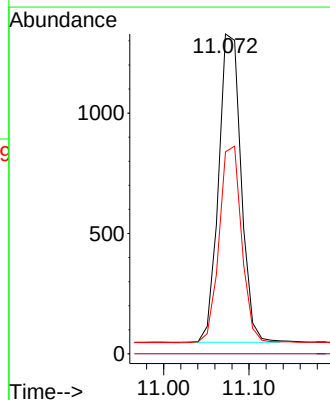
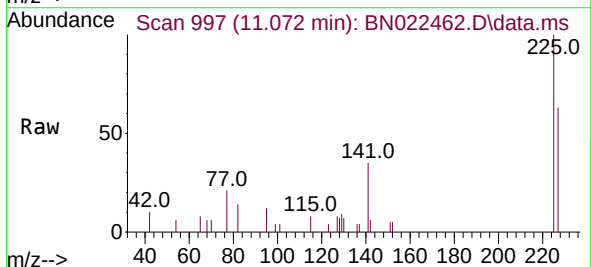
Manual Integrations  
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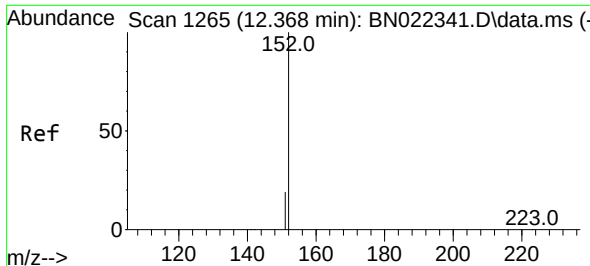
Reviewed By :Christian Giraldo 11/03/2022  
Supervised By :mohammad ahmed 11/07/2022



#10  
Hexachlorobutadiene  
Concen: 0.385 ng  
RT: 11.072 min Scan# 997  
Delta R.T. -0.011 min  
Lab File: BN022462.D  
Acq: 02 Nov 2022 12:54

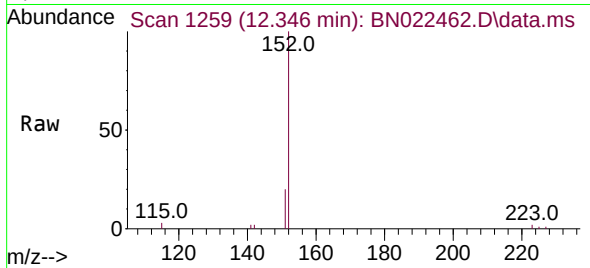
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Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 63.6 51.3 76.9





#11  
2-Methylnaphthalene-d10  
Concen: 0.334 ng  
RT: 12.346 min Scan# 1184  
Delta R.T. -0.004 min  
Lab File: BN022462.D  
Acq: 02 Nov 2022 12:54

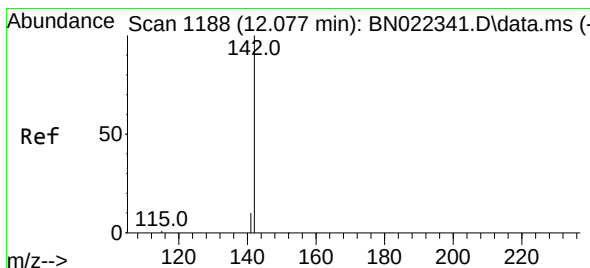
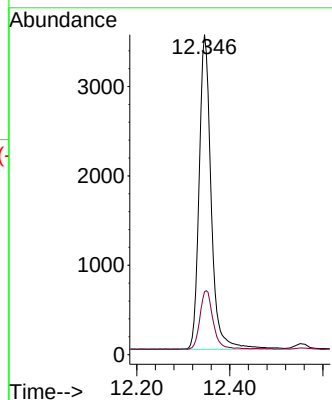
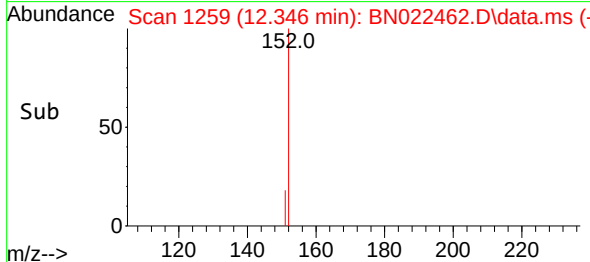
Instrument :  
BNA\_N  
ClientSampleId :  
PB148513BS



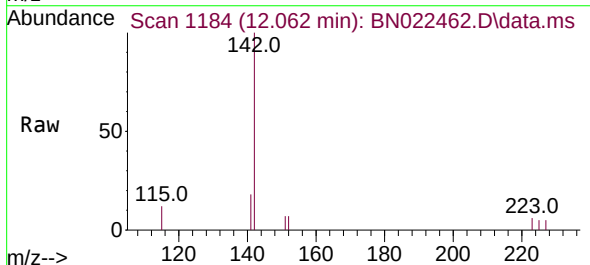
Tgt Ion:152 Resp: 6309  
Ion Ratio Lower Upper  
152 100  
151 20.1 16.7 25.1

Manual Integrations  
APPROVED

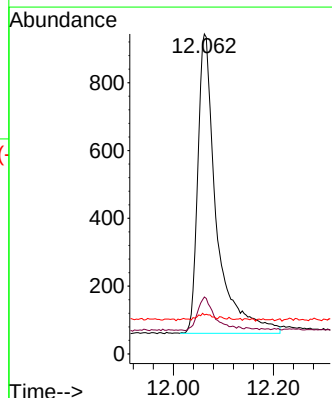
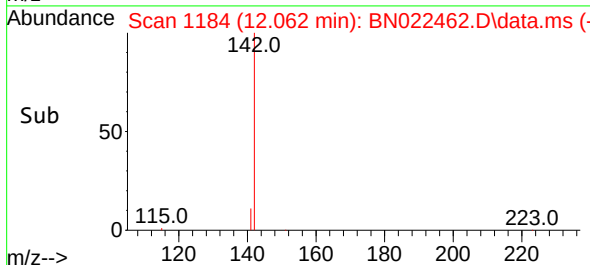
Reviewed By :Christian Giraldo 11/03/2022  
Supervised By :mohammad ahmed 11/07/2022



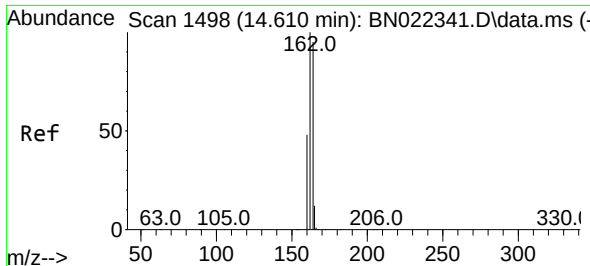
#12  
2-Methylnaphthalene  
Concen: 0.319 ng  
RT: 12.062 min Scan# 1184  
Delta R.T. -0.000 min  
Lab File: BN022462.D  
Acq: 02 Nov 2022 12:54



Tgt Ion:142 Resp: 2285  
Ion Ratio Lower Upper  
142 100  
141 17.8 13.0 19.4  
115 12.2 9.1 13.7

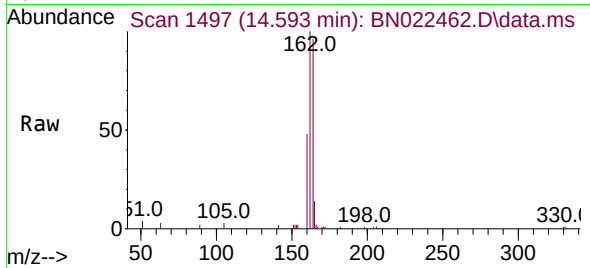






#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.593 min Scan# 1497  
Delta R.T. 0.004 min  
Lab File: BN022462.D  
Acq: 02 Nov 2022 12:54

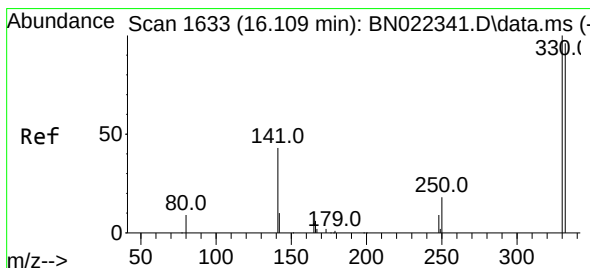
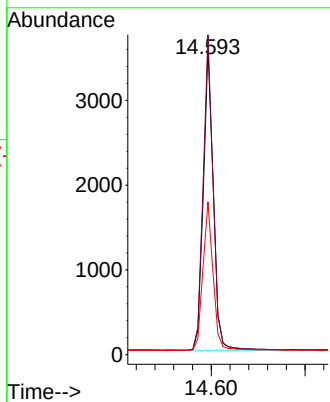
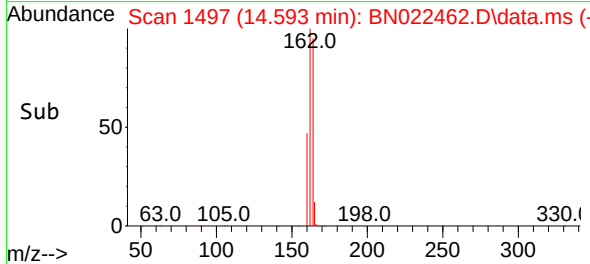
Instrument :  
BNA\_N  
ClientSampleId :  
PB148513BS



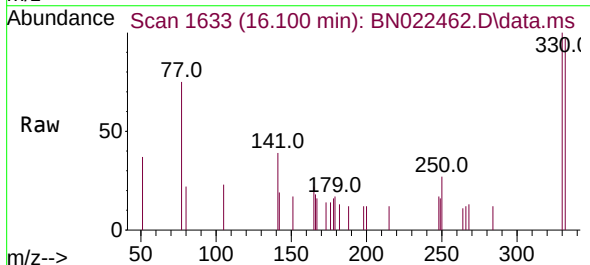
Tgt Ion:164 Resp: 5294  
Ion Ratio Lower Upper  
164 100  
162 104.7 83.9 125.9  
160 49.9 41.0 61.4

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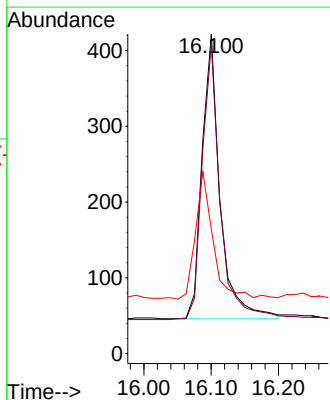
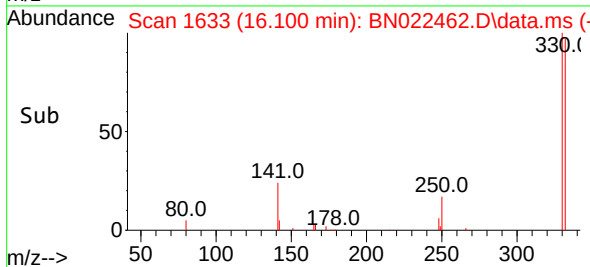
Reviewed By :Christian Giraldo 11/03/2022  
Supervised By :mohammad ahmed 11/07/2022

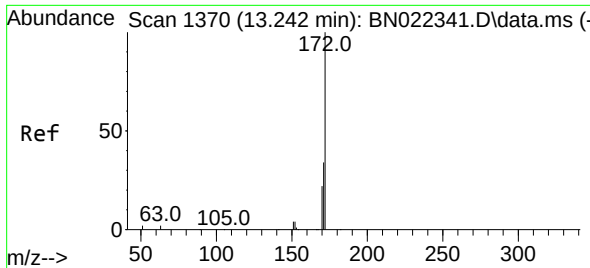


#14  
2,4,6-Tribromophenol  
Concen: 0.307 ng  
RT: 16.100 min Scan# 1633  
Delta R.T. 0.004 min  
Lab File: BN022462.D  
Acq: 02 Nov 2022 12:54



Tgt Ion:330 Resp: 698  
Ion Ratio Lower Upper  
330 100  
332 96.8 78.6 118.0  
141 42.6 40.2 60.4





#15  
2-Fluorobiphenyl  
Concen: 0.394 ng  
RT: 13.214 min Scan# 1368  
Delta R.T. -0.007 min  
Lab File: BN022462.D  
Acq: 02 Nov 2022 12:54

Instrument :

BNA\_N

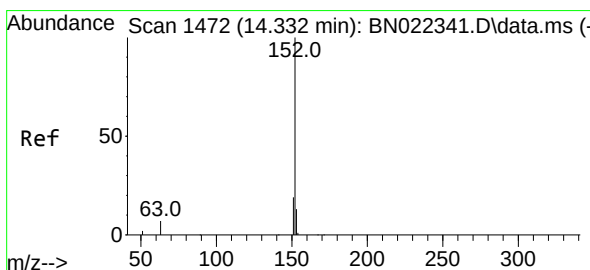
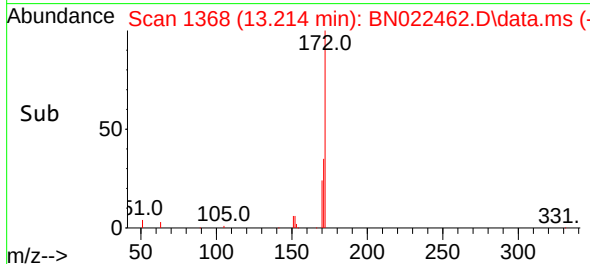
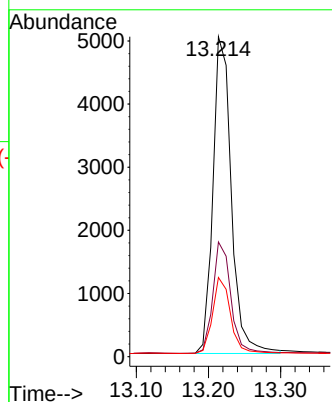
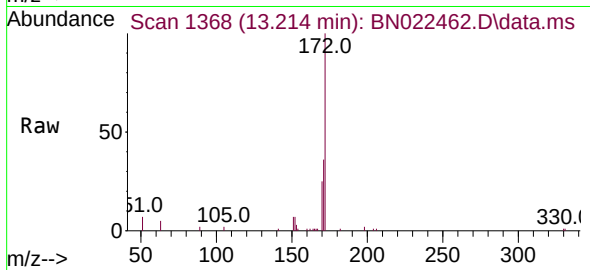
ClientSampleId :

PB148513BS

Tgt Ion:172 Resp: 8931  
Ion Ratio Lower Upper  
172 100  
171 35.8 27.4 41.0  
170 24.7 18.5 27.7

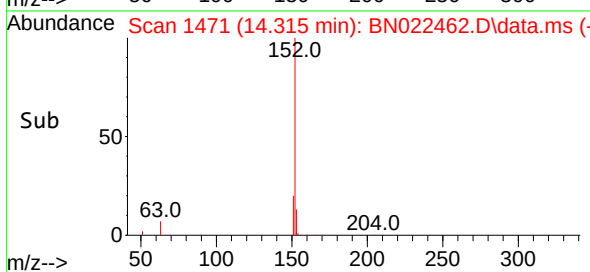
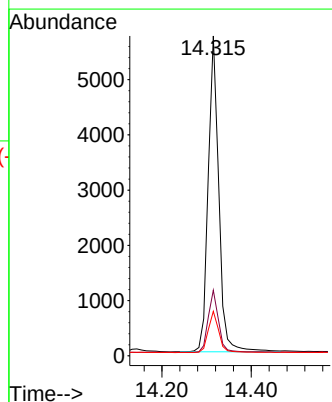
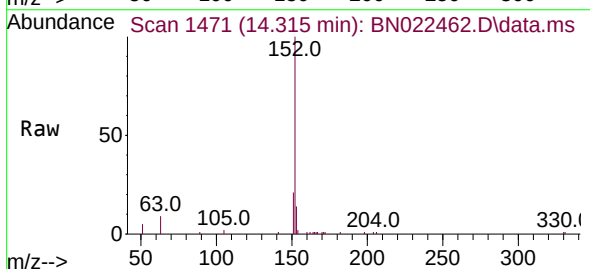
Manual Integrations  
APPROVED

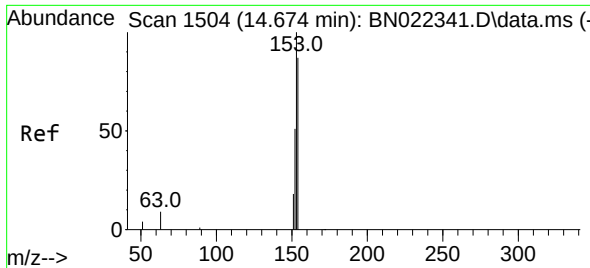
Reviewed By :Christian Giraldo 11/03/2022  
Supervised By :mohammad ahmed 11/07/2022



#16  
Acenaphthylene  
Concen: 0.370 ng  
RT: 14.315 min Scan# 1471  
Delta R.T. 0.004 min  
Lab File: BN022462.D  
Acq: 02 Nov 2022 12:54

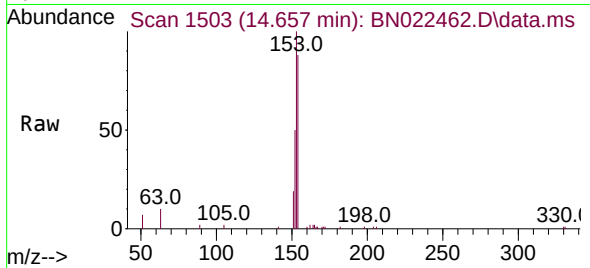
Tgt Ion:152 Resp: 9482  
Ion Ratio Lower Upper  
152 100  
151 19.5 15.2 22.8  
153 13.1 10.3 15.5





#17  
Acenaphthene  
Concen: 0.359 ng  
RT: 14.657 min Scan# 1503  
Delta R.T. 0.004 min  
Lab File: BN022462.D  
Acq: 02 Nov 2022 12:54

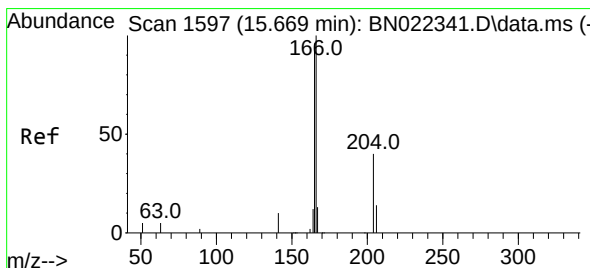
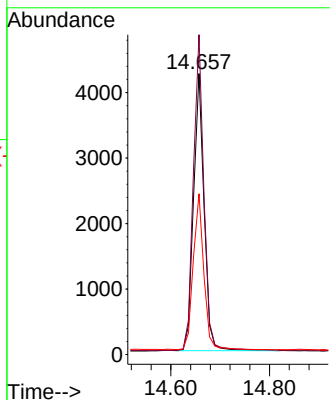
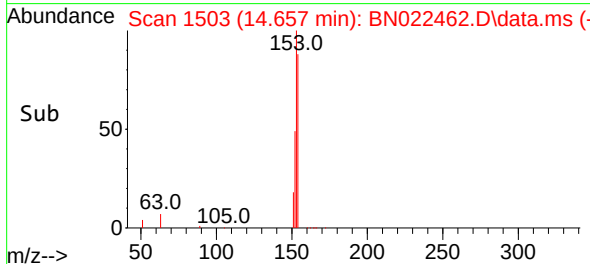
Instrument :  
BNA\_N  
ClientSampleId :  
PB148513BS



Tgt Ion:154 Resp: 6276  
Ion Ratio Lower Upper  
154 100  
153 114.2 92.2 138.2  
152 56.7 47.6 71.4

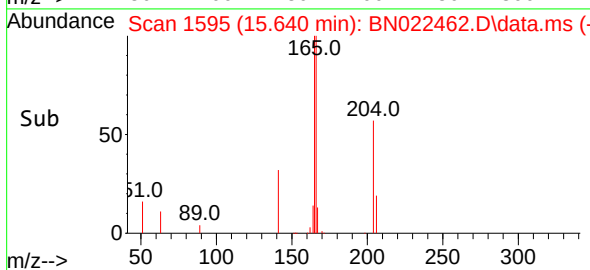
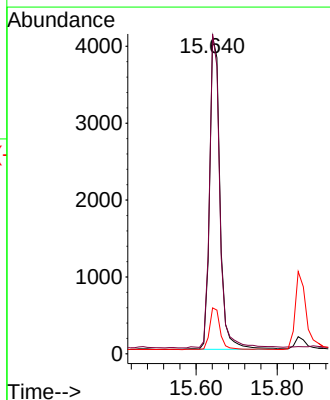
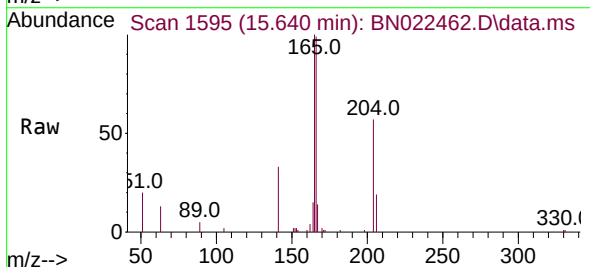
Manual Integrations  
APPROVED

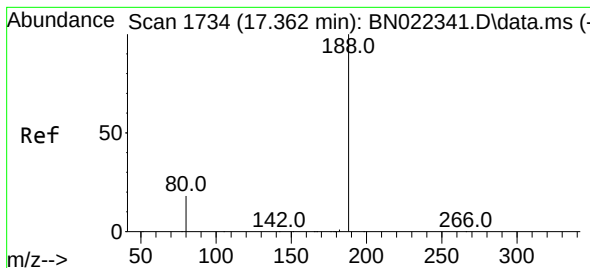
Reviewed By :Christian Giraldo 11/03/2022  
Supervised By :mohammad ahmed 11/07/2022



#18  
Fluorene  
Concen: 0.309 ng  
RT: 15.640 min Scan# 1595  
Delta R.T. -0.007 min  
Lab File: BN022462.D  
Acq: 02 Nov 2022 12:54

Tgt Ion:166 Resp: 7535  
Ion Ratio Lower Upper  
166 100  
165 99.1 78.6 118.0  
167 13.2 10.2 15.4





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.354 min Scan# 1734

Delta R.T. 0.004 min

Lab File: BN022462.D

Acq: 02 Nov 2022 12:54

Instrument :

BNA\_N

ClientSampleId :

PB148513BS

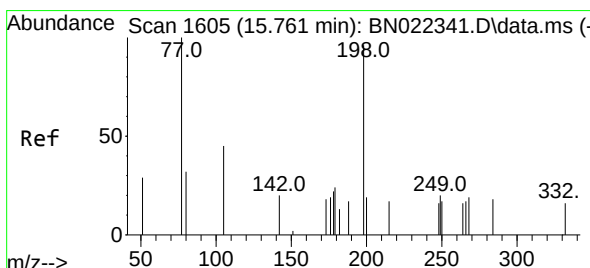
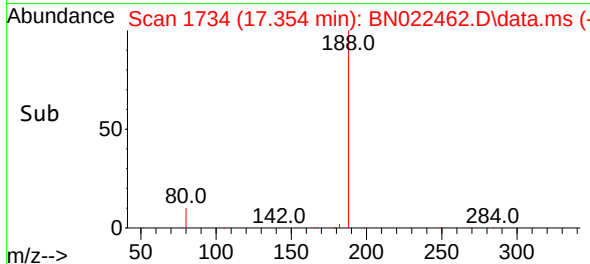
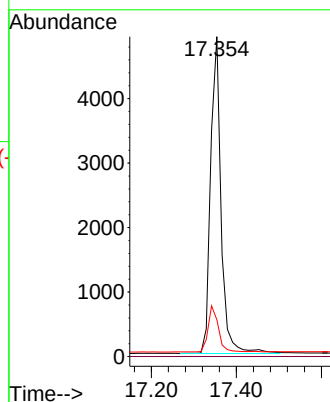
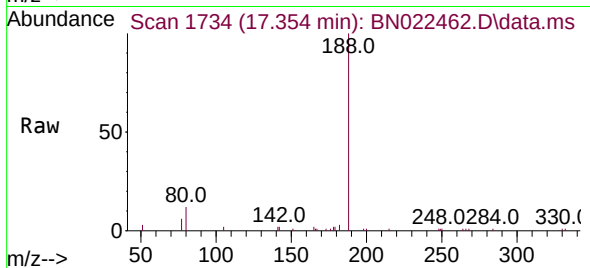
Tgt Ion:188 Resp: 8375

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 0.0   | 0.0   | 0.0   |
| 80  | 11.5  | 15.0  | 22.6  |

Manual Integrations

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Supervised By :mohammad ahmed 11/07/2022



#20

4,6-Dinitro-2-methylphenol

Concen: 0.043 ng

RT: 15.753 min Scan# 1605

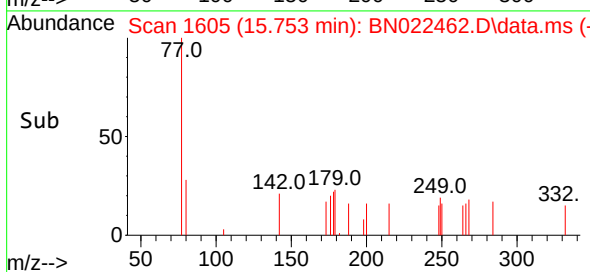
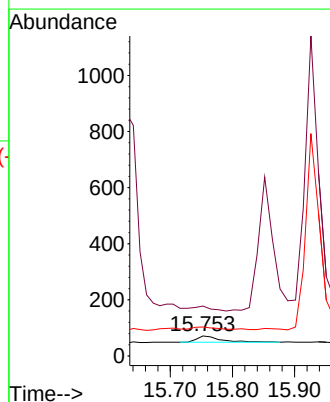
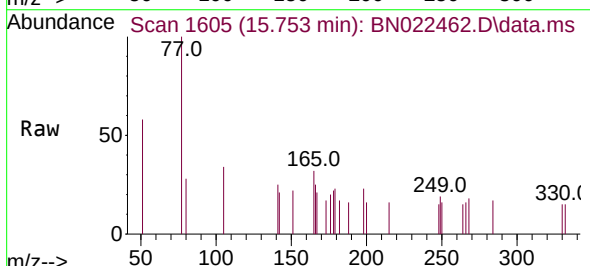
Delta R.T. 0.004 min

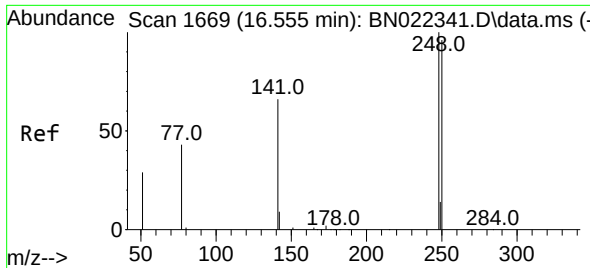
Lab File: BN022462.D

Acq: 02 Nov 2022 12:54

Tgt Ion:198 Resp: 58

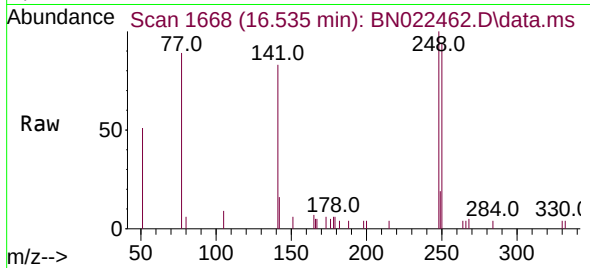
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 198 | 100   |       |        |
| 51  | 250.7 | 74.1  | 111.1# |
| 105 | 145.1 | 58.8  | 88.2#  |





#21  
4-Bromophenyl-phenylether  
Concen: 0.389 ng  
RT: 16.535 min Scan# 1668  
Delta R.T. -0.009 min  
Lab File: BN022462.D  
Acq: 02 Nov 2022 12:54

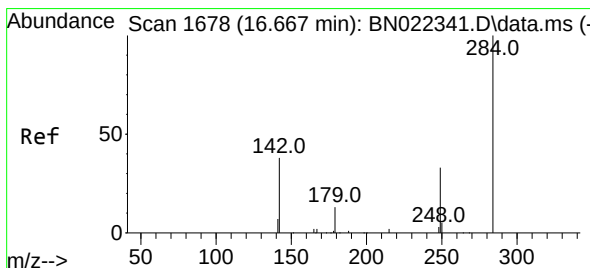
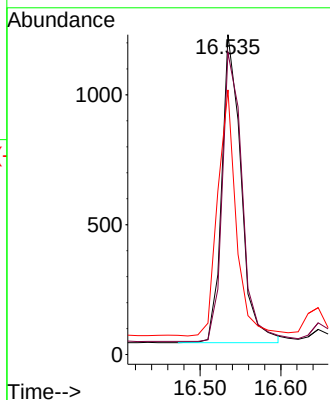
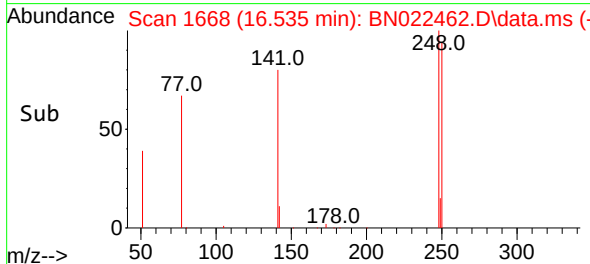
Instrument :  
BNA\_N  
ClientSampleId :  
PB148513BS



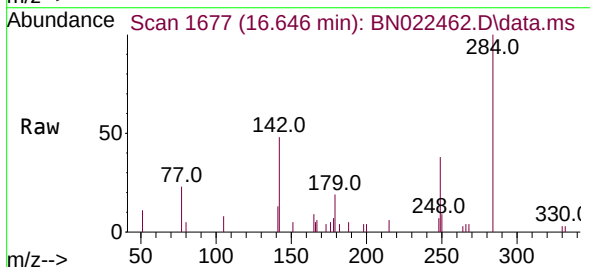
Tgt Ion: 248 Resp: 1966  
Ion Ratio Lower Upper  
248 100  
250 94.3 77.5 116.3  
141 82.7 54.5 81.7

Manual Integrations  
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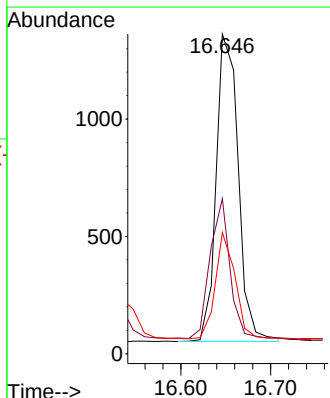
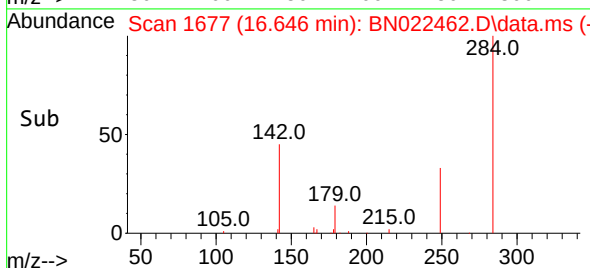
Reviewed By : Christian Giraldo 11/03/2022  
Supervised By : mohammad ahmed 11/07/2022

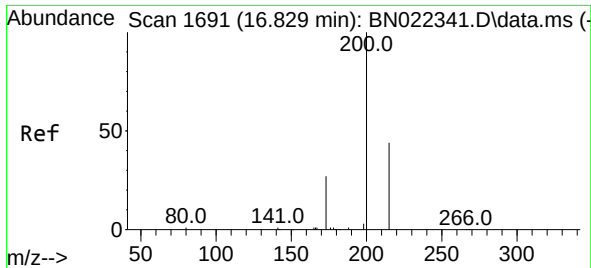


#22  
Hexachlorobenzene  
Concen: 0.386 ng  
RT: 16.646 min Scan# 1677  
Delta R.T. -0.009 min  
Lab File: BN022462.D  
Acq: 02 Nov 2022 12:54



Tgt Ion: 284 Resp: 2235  
Ion Ratio Lower Upper  
284 100  
142 40.7 33.8 50.8  
249 31.1 25.5 38.3





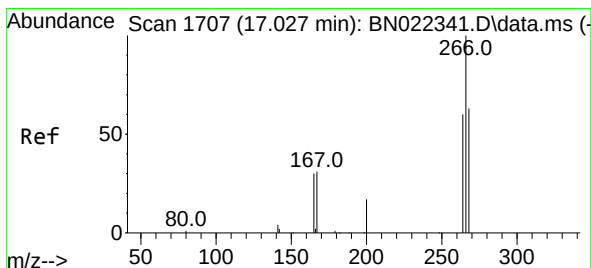
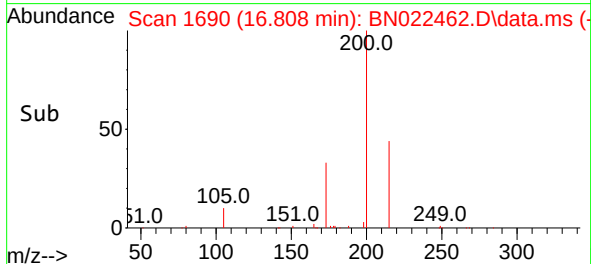
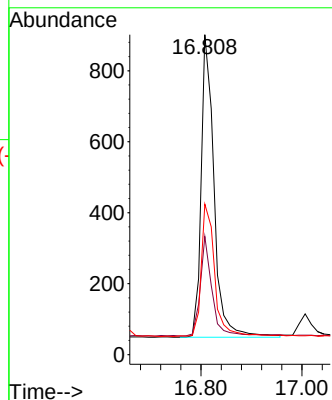
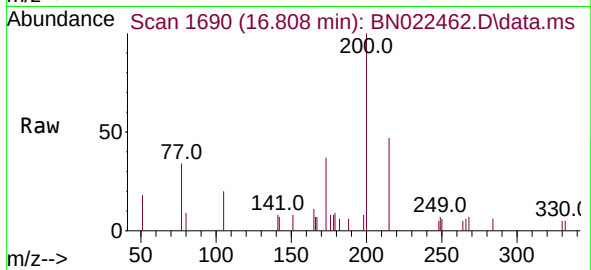
#23  
 Atrazine  
 Concen: 0.356 ng  
 RT: 16.808 min Scan# 1690  
 Delta R.T. -0.009 min  
 Lab File: BN022462.D  
 Acq: 02 Nov 2022 12:54

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB148513BS

Tgt Ion:200 Resp: 1502  
 Ion Ratio Lower Upper  
 200 100  
 173 36.9 23.7 35.5  
 215 47.0 36.6 55.0

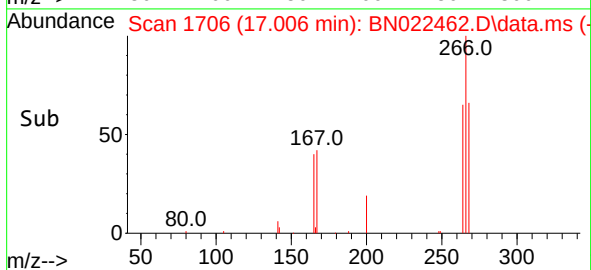
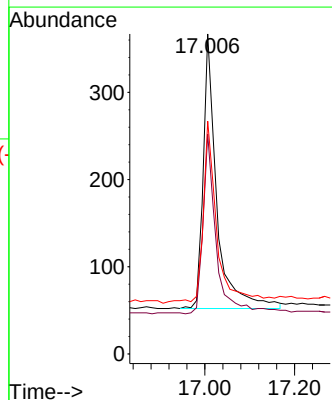
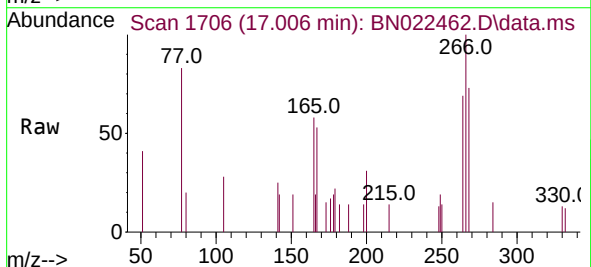
Manual Integrations  
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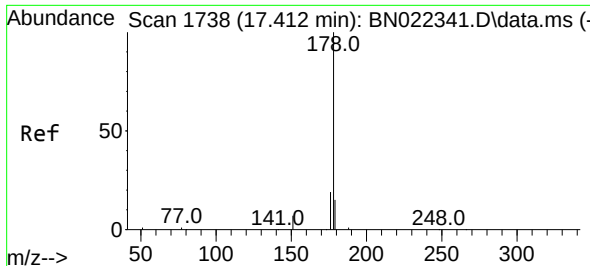
Reviewed By :Christian Giraldo 11/03/2022  
 Supervised By :mohammad ahmed 11/07/2022



#24  
 Pentachlorophenol  
 Concen: 0.277 ng  
 RT: 17.006 min Scan# 1706  
 Delta R.T. -0.009 min  
 Lab File: BN022462.D  
 Acq: 02 Nov 2022 12:54

Tgt Ion:266 Resp: 664  
 Ion Ratio Lower Upper  
 266 100  
 264 63.6 49.1 73.7  
 268 61.7 49.6 74.4





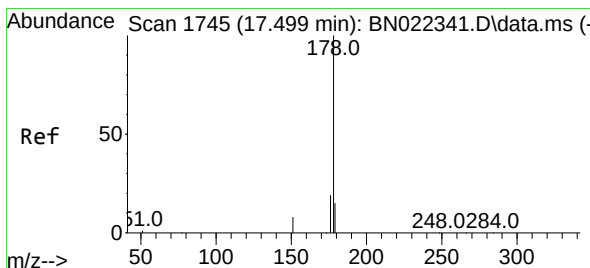
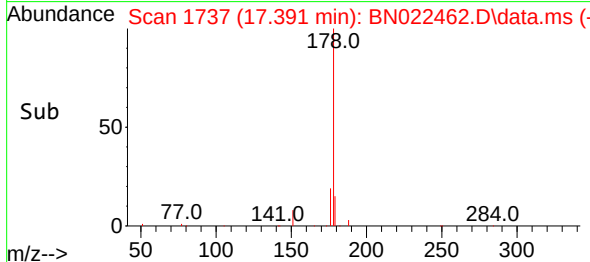
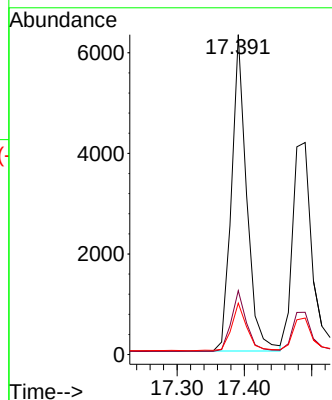
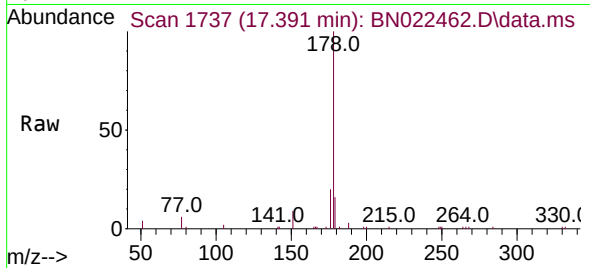
#25  
Phenanthrene  
Concen: 0.344 ng  
RT: 17.391 min Scan# 1737  
Delta R.T. 0.004 min  
Lab File: BN022462.D  
Acq: 02 Nov 2022 12:54

Instrument :  
BNA\_N  
ClientSampleId :  
PB148513BS

Tgt Ion:178 Resp: 9873  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.3 22.9  
179 15.2 12.5 18.7

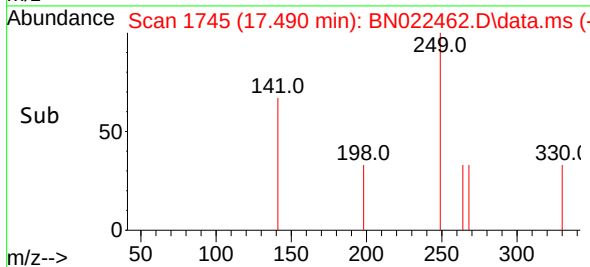
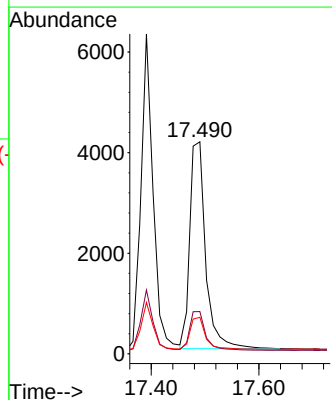
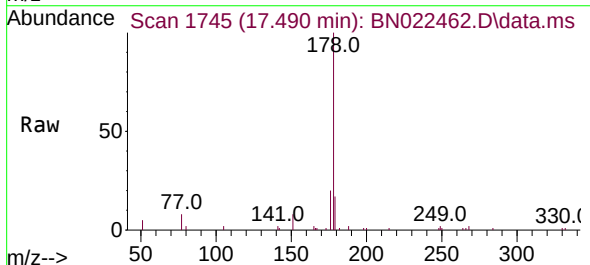
Manual Integrations  
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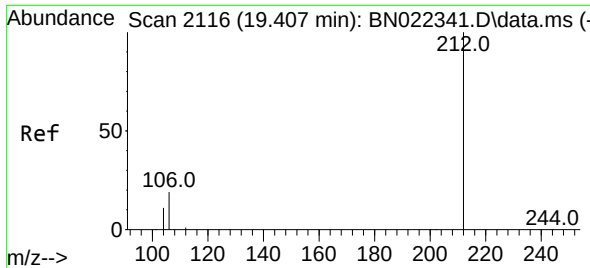
Reviewed By :Christian Giraldo 11/03/2022  
Supervised By :mohammad ahmed 11/07/2022



#26  
Anthracene  
Concen: 0.349 ng  
RT: 17.490 min Scan# 1745  
Delta R.T. 0.004 min  
Lab File: BN022462.D  
Acq: 02 Nov 2022 12:54

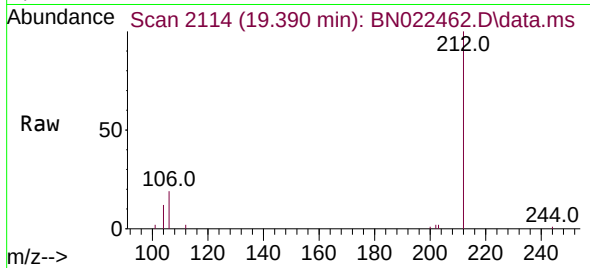
Tgt Ion:178 Resp: 8439  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.0 22.4  
179 14.9 12.2 18.4





#27  
Fluoranthene-d10  
Concen: 0.324 ng  
RT: 19.390 min Scan# 2116  
Delta R.T. -0.000 min  
Lab File: BN022462.D  
Acq: 02 Nov 2022 12:54

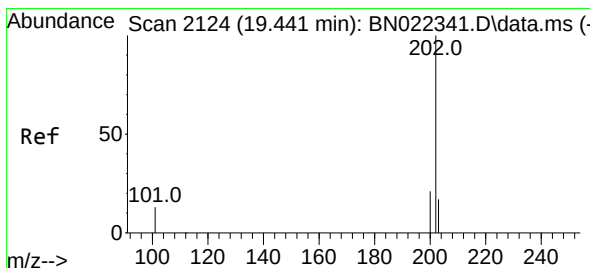
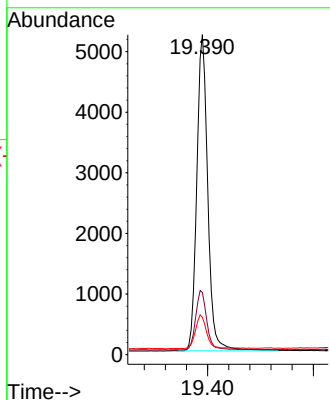
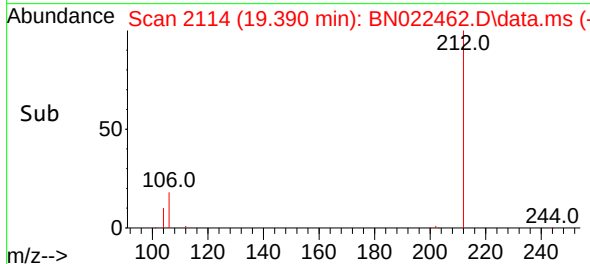
Instrument :  
BNA\_N  
ClientSampleId :  
PB148513BS



Tgt Ion:212 Resp: 7492  
Ion Ratio Lower Upper  
212 100  
106 19.3 15.0 22.4  
104 10.6 9.3 13.9

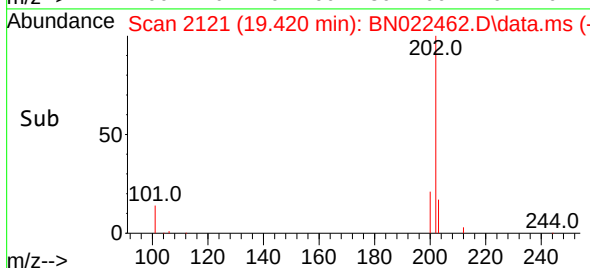
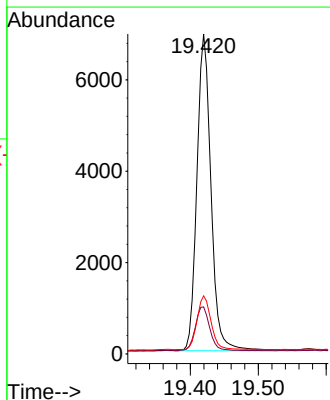
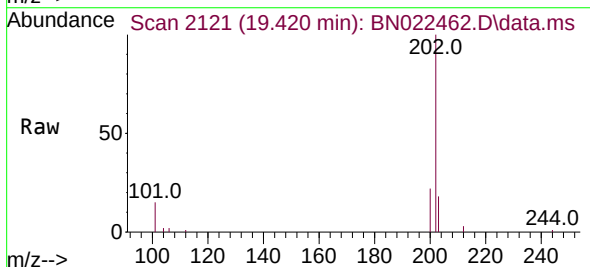
Manual Integrations  
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Reviewed By :Christian Giraldo 11/03/2022  
Supervised By :mohammad ahmed 11/07/2022

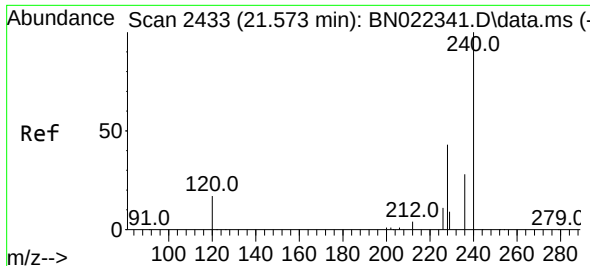


#28  
Fluoranthene  
Concen: 0.319 ng  
RT: 19.420 min Scan# 2121  
Delta R.T. -0.000 min  
Lab File: BN022462.D  
Acq: 02 Nov 2022 12:54

Tgt Ion:202 Resp: 9945  
Ion Ratio Lower Upper  
202 100  
101 14.0 11.4 17.0  
203 16.8 13.7 20.5







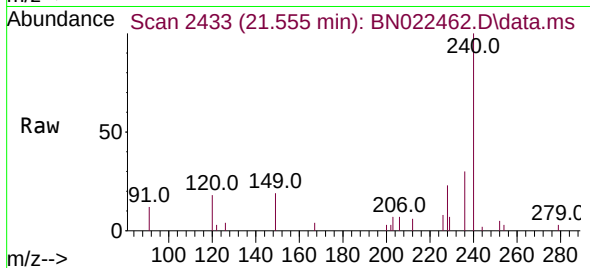
#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.555 min Scan# 2433  
Delta R.T. -0.000 min  
Lab File: BN022462.D  
Acq: 02 Nov 2022 12:54

Instrument :

BNA\_N

ClientSampleId :

PB148513BS

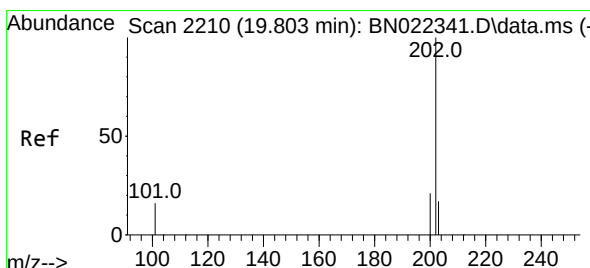
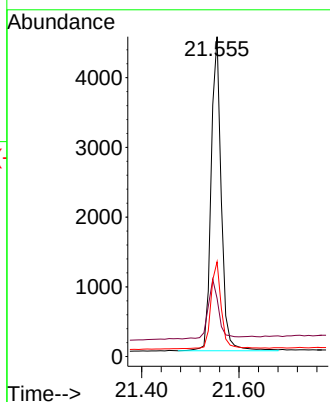
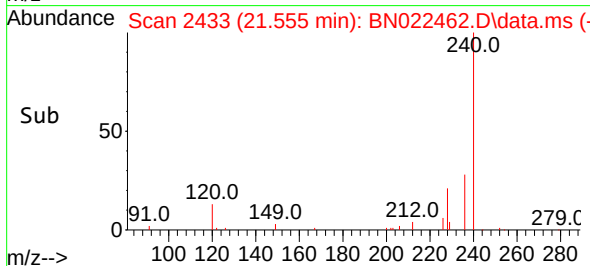


Tgt Ion:240 Resp: 6533  
Ion Ratio Lower Upper  
240 100  
120 18.2 15.8 23.6  
236 29.6 23.2 34.8

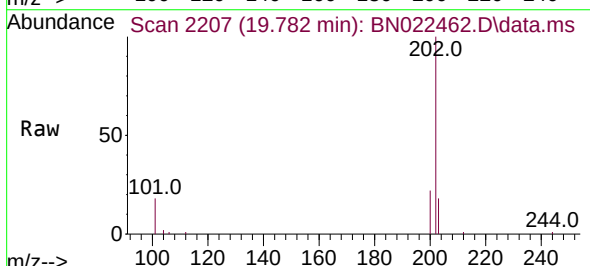
Manual Integrations

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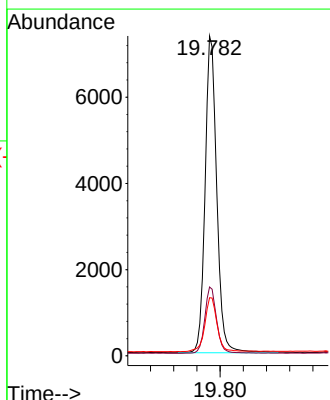
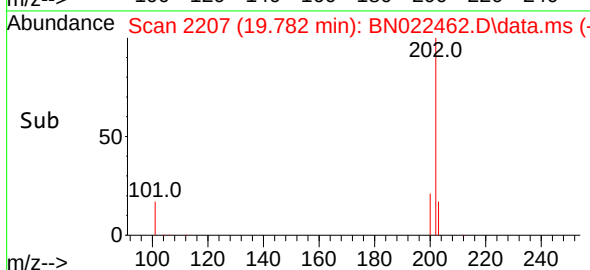
Reviewed By :Christian Giraldo 11/03/2022  
Supervised By :mohammad ahmed 11/07/2022

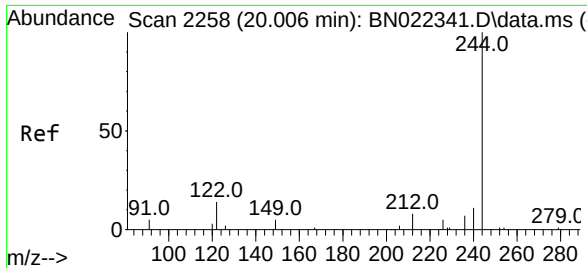


#30  
Pyrene  
Concen: 0.340 ng  
RT: 19.782 min Scan# 2207  
Delta R.T. -0.005 min  
Lab File: BN022462.D  
Acq: 02 Nov 2022 12:54



Tgt Ion:202 Resp: 10224  
Ion Ratio Lower Upper  
202 100  
200 21.1 16.8 25.2  
203 17.9 14.2 21.2





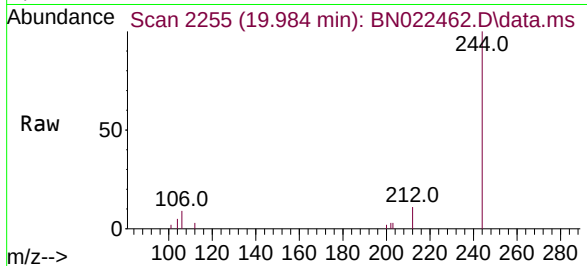
#31  
 Terphenyl-d14  
 Concen: 0.413 ng  
 RT: 19.984 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: BN022462.D  
 Acq: 02 Nov 2022 12:54

Instrument :

BNA\_N

ClientSampleId :

PB148513BS

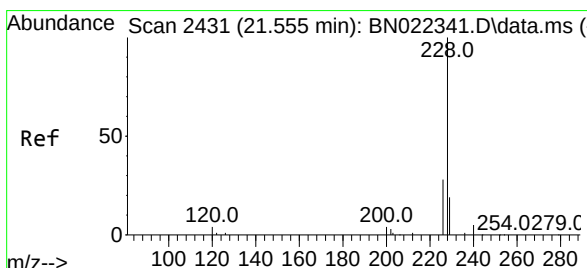
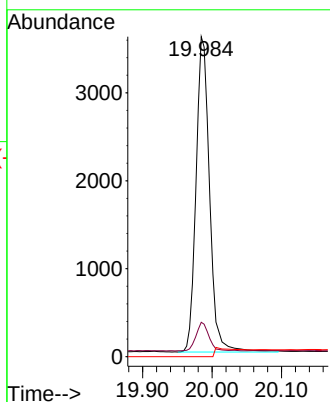
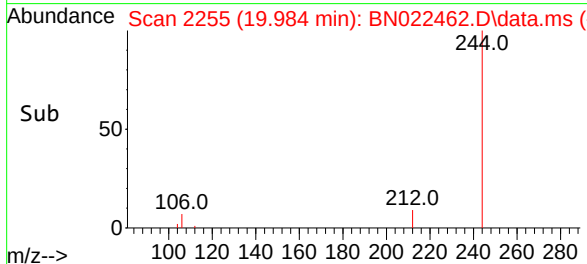


Tgt Ion:244 Resp: 7024  
 Ion Ratio Lower Upper  
 244 100  
 212 10.7 7.0 10.4  
 122 0.0 11.5 17.3

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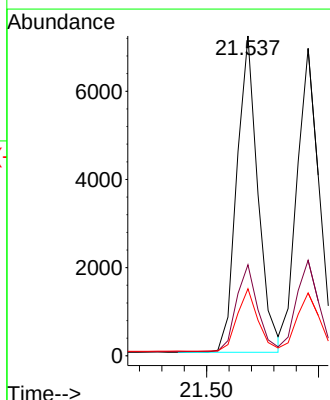
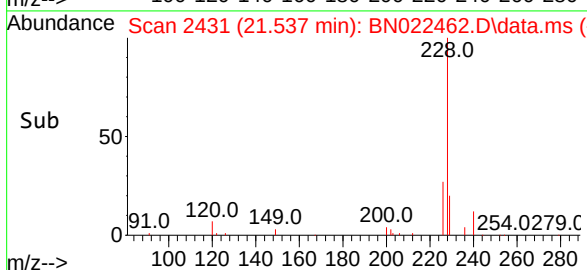
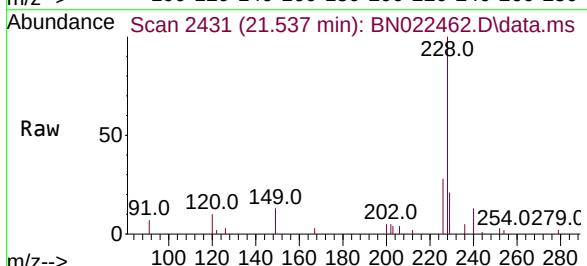
APPROVED

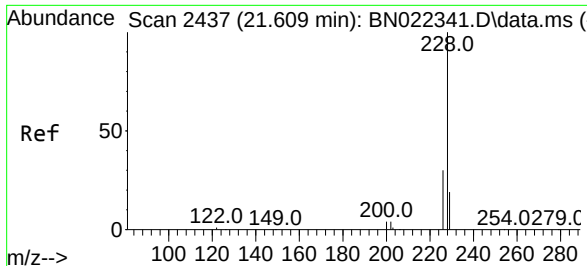
Reviewed By :Christian Giraldo 11/03/2022  
 Supervised By :mohammad ahmed 11/07/2022



#32  
 Benzo(a)anthracene  
 Concen: 0.365 ng  
 RT: 21.537 min Scan# 2431  
 Delta R.T. -0.000 min  
 Lab File: BN022462.D  
 Acq: 02 Nov 2022 12:54

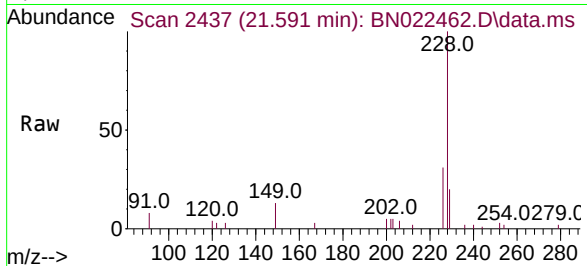
Tgt Ion:228 Resp: 9378  
 Ion Ratio Lower Upper  
 228 100  
 226 28.5 22.6 34.0  
 229 21.0 15.5 23.3





#33  
Chrysene  
Concen: 0.354 ng  
RT: 21.591 min Scan# 2437  
Delta R.T. -0.000 min  
Lab File: BN022462.D  
Acq: 02 Nov 2022 12:54

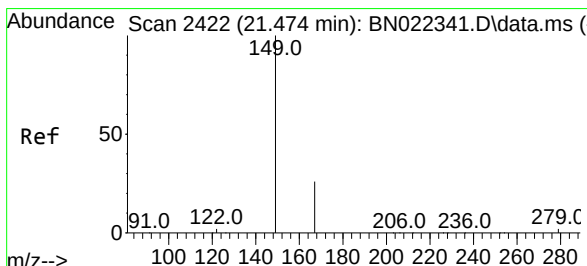
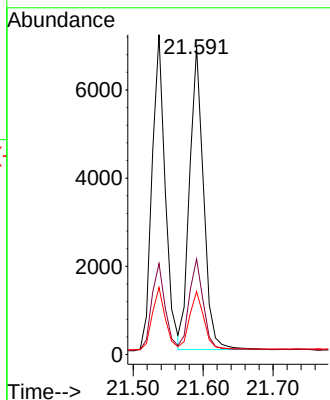
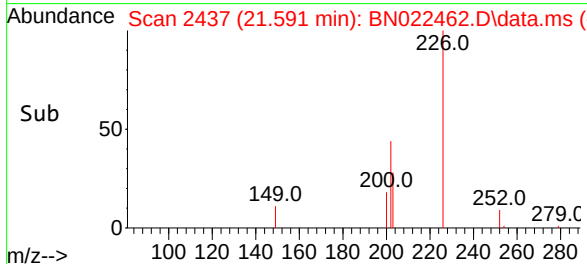
Instrument :  
BNA\_N  
ClientSampleId :  
PB148513BS



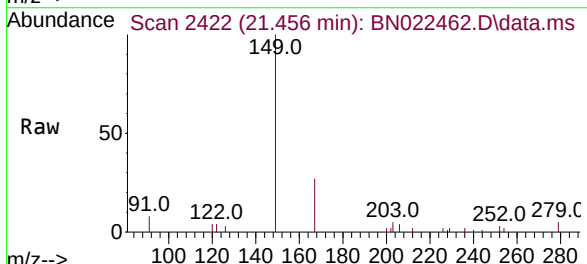
Tgt Ion:228 Resp: 9515  
Ion Ratio Lower Upper  
228 100  
226 31.1 24.5 36.7  
229 20.5 15.6 23.4

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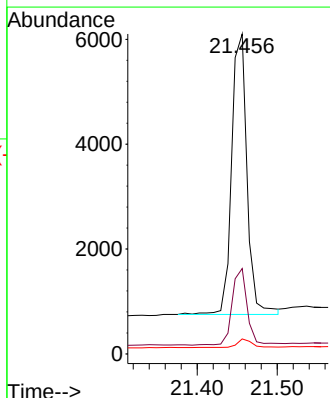
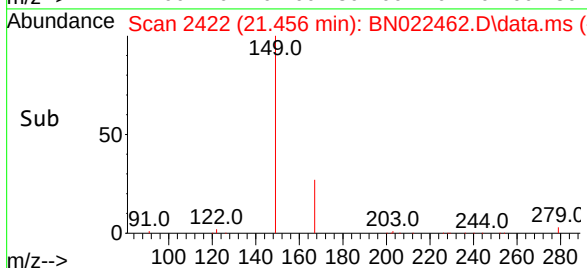
Reviewed By :Christian Giraldo 11/03/2022  
Supervised By :mohammad ahmed 11/07/2022

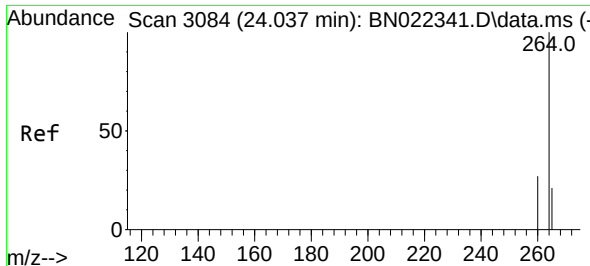


#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.390 ng  
RT: 21.456 min Scan# 2422  
Delta R.T. 0.009 min  
Lab File: BN022462.D  
Acq: 02 Nov 2022 12:54



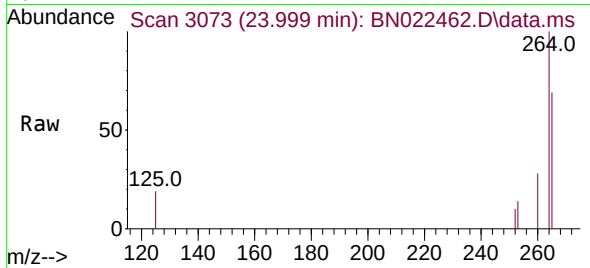
Tgt Ion:149 Resp: 7163  
Ion Ratio Lower Upper  
149 100  
167 27.1 20.2 30.4  
279 3.2 2.3 3.5





#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.999 min Scan# 3084  
 Delta R.T. -0.003 min  
 Lab File: BN022462.D  
 Acq: 02 Nov 2022 12:54

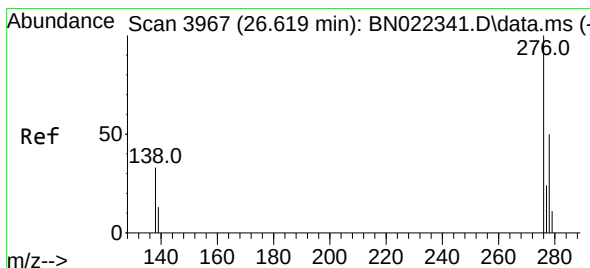
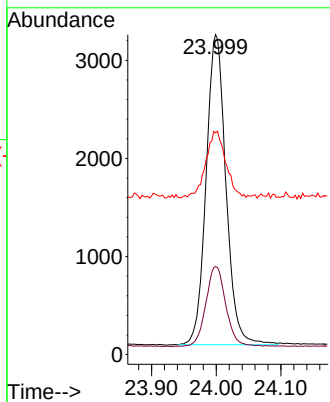
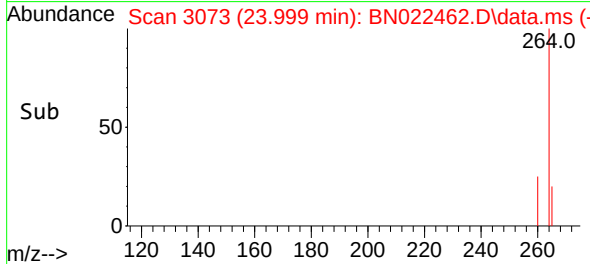
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB148513BS



Tgt Ion:264 Resp: 6729  
 Ion Ratio Lower Upper  
 264 100  
 260 27.5 22.1 33.1  
 265 69.3 53.0 79.4

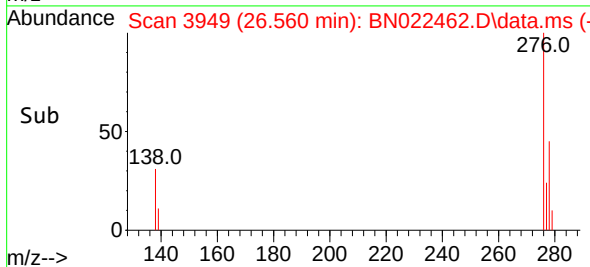
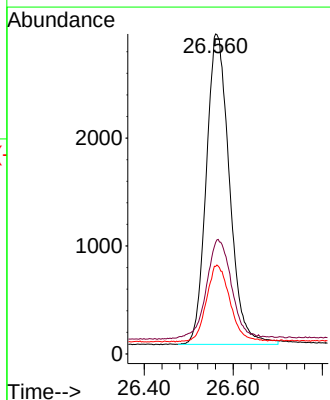
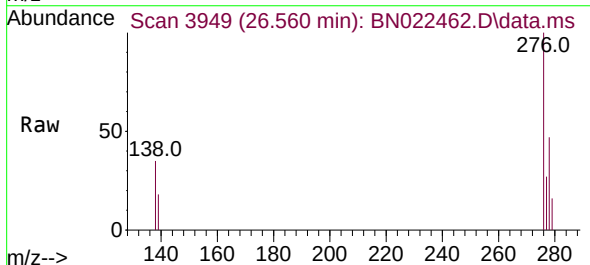
Manual Integrations  
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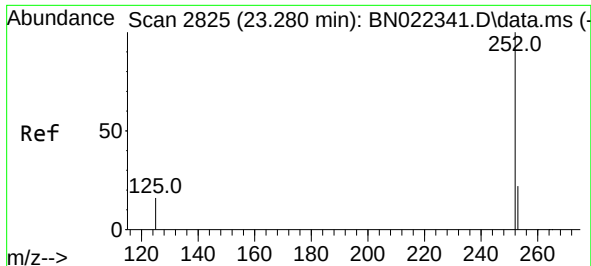
Reviewed By :Christian Giraldo 11/03/2022  
 Supervised By :mohammad ahmed 11/07/2022



#36  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.312 ng  
 RT: 26.560 min Scan# 3949  
 Delta R.T. -0.006 min  
 Lab File: BN022462.D  
 Acq: 02 Nov 2022 12:54

Tgt Ion:276 Resp: 10374  
 Ion Ratio Lower Upper  
 276 100  
 138 33.9 28.2 42.2  
 277 25.4 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.307 ng m

RT: 23.248 min Scan# 2816

Delta R.T. -0.000 min

Lab File: BN022462.D

Acq: 02 Nov 2022 12:54

Instrument :

BN022462.D

ClientSampleId :

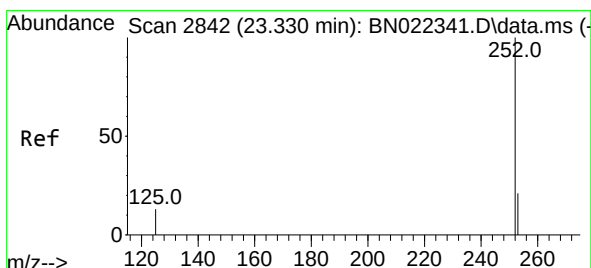
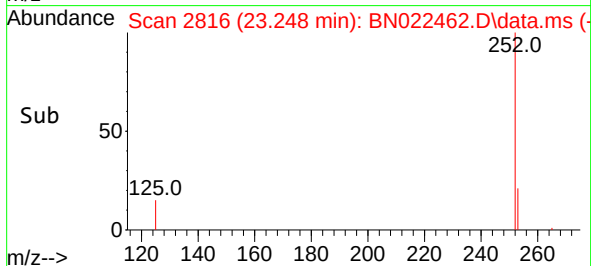
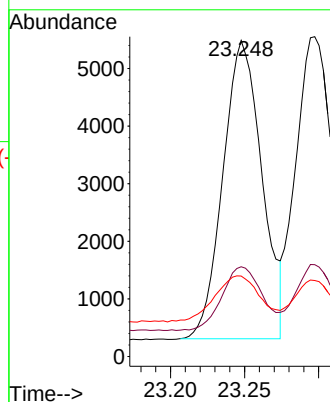
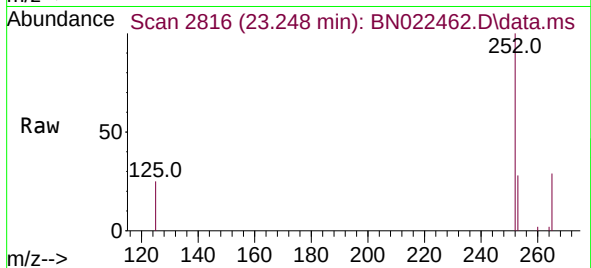
PB148513BS

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 947  |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 28.4  | 20.4  | 30.6 |
| 125       | 25.5  | 16.6  | 25.0 |

Manual Integrations

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Supervised By :mohammad ahmed 11/07/2022



#38

Benzo(k)fluoranthene

Concen: 0.310 ng

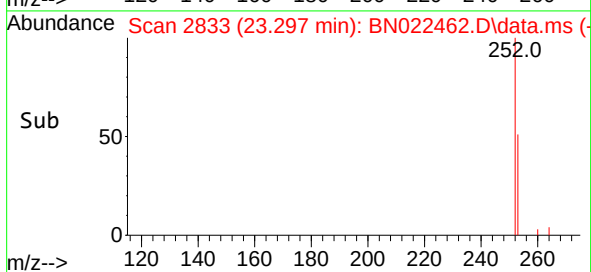
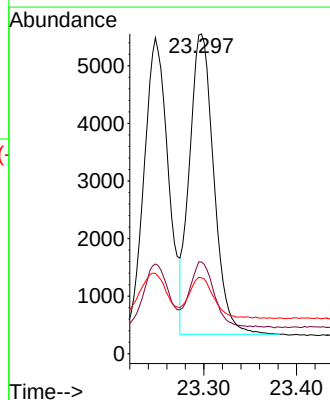
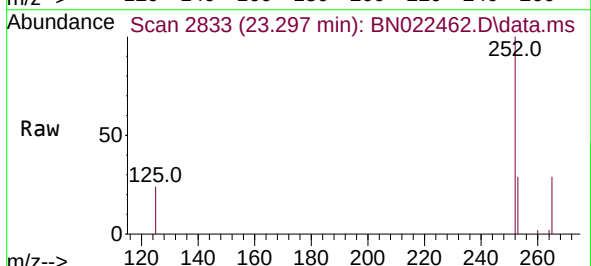
RT: 23.297 min Scan# 2833

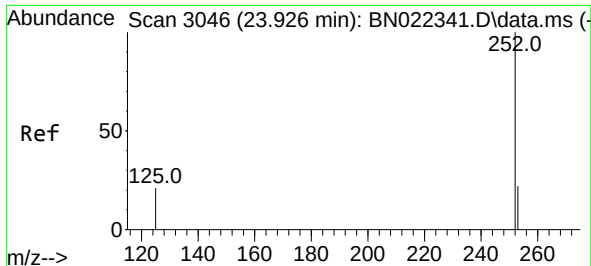
Delta R.T. -0.000 min

Lab File: BN022462.D

Acq: 02 Nov 2022 12:54

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 9502 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 28.7  | 19.8  | 29.8 |
| 125       | 23.8  | 15.0  | 22.6 |





#39

Benzo(a)pyrene

Concen: 0.328 ng

RT: 23.891 min Scan# 3046

Delta R.T. -0.000 min

Lab File: BN022462.D

Acq: 02 Nov 2022 12:54

Instrument :

BNA\_N

ClientSampleId :

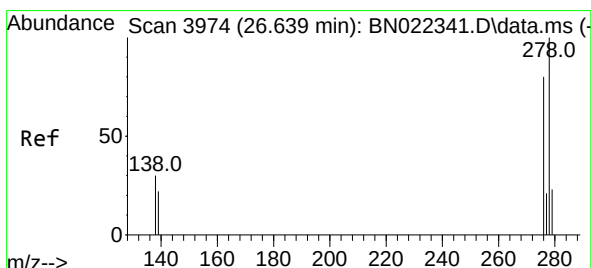
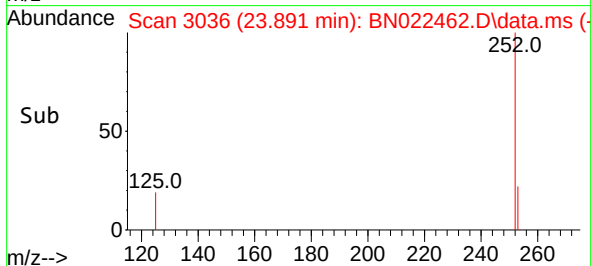
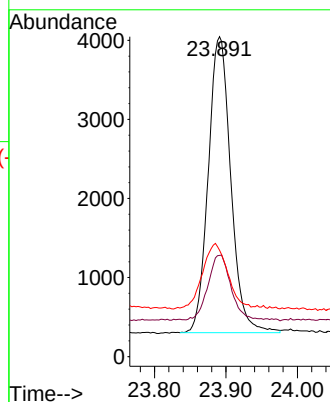
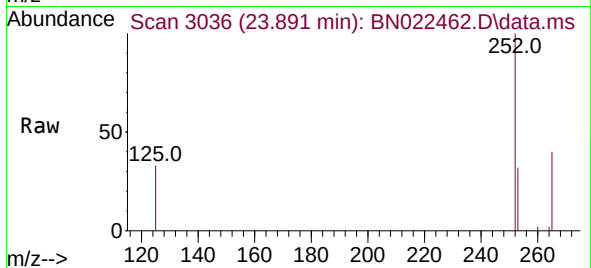
PB148513BS

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 821  |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 31.7  | 21.9  | 32.9 |
| 125       | 33.2  | 22.9  | 34.3 |

Manual Integrations

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Reviewed By :Christian Giraldo 11/03/2022  
Supervised By :mohammad ahmed 11/07/2022



#40

Dibenzo(a,h)anthracene

Concen: 0.316 ng

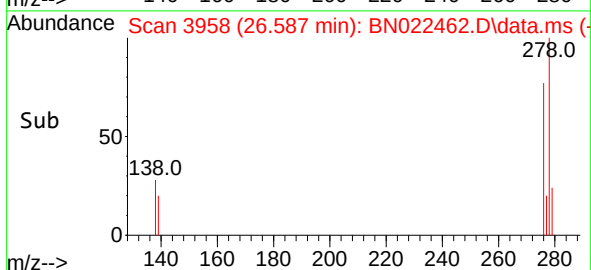
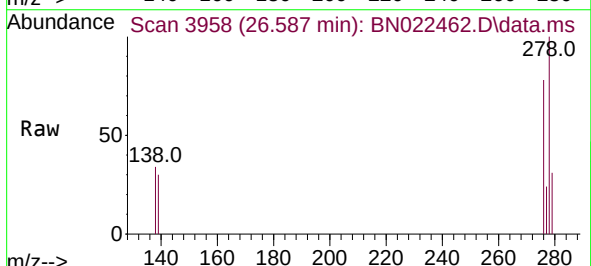
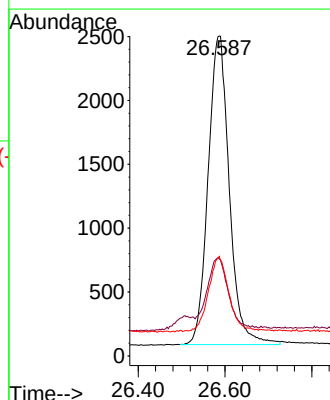
RT: 26.587 min Scan# 3958

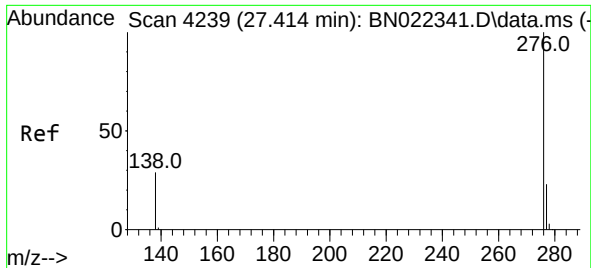
Delta R.T. -0.000 min

Lab File: BN022462.D

Acq: 02 Nov 2022 12:54

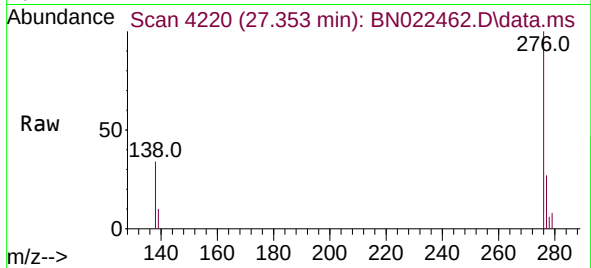
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 278   | Resp: | 8199 |
| Ion Ratio | Lower | Upper |      |
| 278       | 100   |       |      |
| 139       | 30.4  | 20.2  | 30.2 |
| 279       | 31.1  | 21.0  | 31.4 |





#41  
Benzo(g,h,i)perylene  
Concen: 0.317 ng  
RT: 27.353 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: BN022462.D  
Acq: 02 Nov 2022 12:54

Instrument :  
BNA\_N  
ClientSampleId :  
PB148513BS



Tgt Ion: 276 Resp: 8692  
Ion Ratio Lower Upper  
276 100  
277 26.7 19.5 29.3  
138 34.0 25.0 37.4

Manual Integrations  
APPROVED

Reviewed By : Christian Giraldo 11/03/2022  
Supervised By : mohammad ahmed 11/07/2022

