

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM100422\  
 Data File : BM036828.D  
 Acq On : 04 Oct 2022 14:43  
 Operator : CG/JU  
 Sample : N4785-03  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Oct 04 22:05:34 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM100322.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 04 03:17:03 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.969  | 152  | 373704   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.780 | 136  | 1581275  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.598 | 164  | 873943   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.339 | 188  | 1577690  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.515 | 240  | 1269497  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.927 | 264  | 1149094  | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.528  | 112  | 3172123  | 150.644 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.134  | 99   | 4169572  | 140.968 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.139  | 82   | 2456561  | 83.095  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.086 | 330  | 1049956  | 153.182 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.227 | 172  | 5225123  | 92.188  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.950 | 244  | 6173604  | 96.891  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 6) Aniline                    | 7.392  | 93   | 3627488  | 96.590  | ng    | # 56     |
| 11) bis(2-Chloroethyl)ether   | 7.392  | 93   | 3627488  | 131.087 | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.857  | 146  | 1689369  | 61.369  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 8.004  | 146  | 3732385  | 132.300 | ng    | 99       |
| 18) Hexachloroethane          | 9.051  | 117  | 1415355  | 135.995 | ng    | 98       |
| 24) Nitrobenzene              | 9.181  | 77   | 3031840  | 96.973  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 10.192 | 93   | 4163944  | 125.949 | ng    | 99       |
| 31) Naphthalene               | 10.833 | 128  | 10449251 | 122.317 | ng    | 98       |
| 32) Benzoic acid              | 10.028 | 122  | 154      | 6.806   | ng    | # 26     |
| 33) 4-Chloroaniline           | 10.833 | 127  | 1403598  | 40.874  | ng    | # 32     |
| 37) 2-Methylnaphthalene       | 12.651 | 142  | 985178   | 17.168  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.651 | 142  | 986297   | 17.561  | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 12.774 | 237  | 952463   | 90.633  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.480 | 162  | 3519896  | 71.141  | ng    | 100      |
| 48) 2-Nitroaniline            | 13.657 | 65   | 1704     | 2.285   | ng    | # 14     |
| 49) Acenaphthylene            | 14.327 | 152  | 8264934  | 103.147 | ng    | 99       |
| 50) Dimethylphthalate         | 14.063 | 163  | 7537703  | 122.306 | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 14.186 | 165  | 755227   | 61.330  | ng    | 92       |
| 52) Acenaphthene              | 14.663 | 154  | 1939605  | 38.953  | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 14.845 | 184  | 429      | 6.632   | ng    | 92       |
| 55) Dibenzofuran              | 14.998 | 168  | 6725858  | 89.215  | ng    | 98       |
| 56) 4-Nitrophenol             | 14.998 | 139  | 2671702  | 226.058 | ng    | # 6      |
| 57) 2,4-Dinitrotoluene        | 14.963 | 165  | 2468     | 2.908   | ng    | # 71     |
| 58) Fluorene                  | 15.645 | 166  | 2201582  | 35.645  | ng    | 99       |
| 60) Diethylphthalate          | 15.415 | 149  | 2638101  | 41.272  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.639 | 204  | 2430548  | 90.047  | ng    | 94       |
| 62) 4-Nitroaniline            | 15.674 | 138  | 1244330  | 74.019  | ng    | 96       |
| 63) Azobenzene                | 15.851 | 77   | 181449   | 2.552   | ng    | # 8      |
| 66) n-Nitrosodiphenylamine    | 15.851 | 169  | 1367353  | 28.052  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.527 | 248  | 894215   | 61.463  | ng    | 98       |
| 68) Hexachlorobenzene         | 16.639 | 284  | 842555   | 52.298  | ng    | 97       |
| 71) Phenanthrene              | 17.380 | 178  | 4947330  | 56.011  | ng    | 100      |
| 72) Anthracene                | 17.474 | 178  | 11243219 | 133.490 | ng    | 97       |
| 73) Carbazole                 | 17.745 | 167  | 6147798  | 78.203  | ng    | 99       |
| 75) Fluoranthene              | 19.386 | 202  | 3442507  | 37.880  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.645 | 149  | 218      | 3.311   | ng    | # 53     |

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 Sample : N4785-03  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Oct 04 22:05:34 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM100322.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 04 03:17:03 2022  
 Response via : Initial Calibration

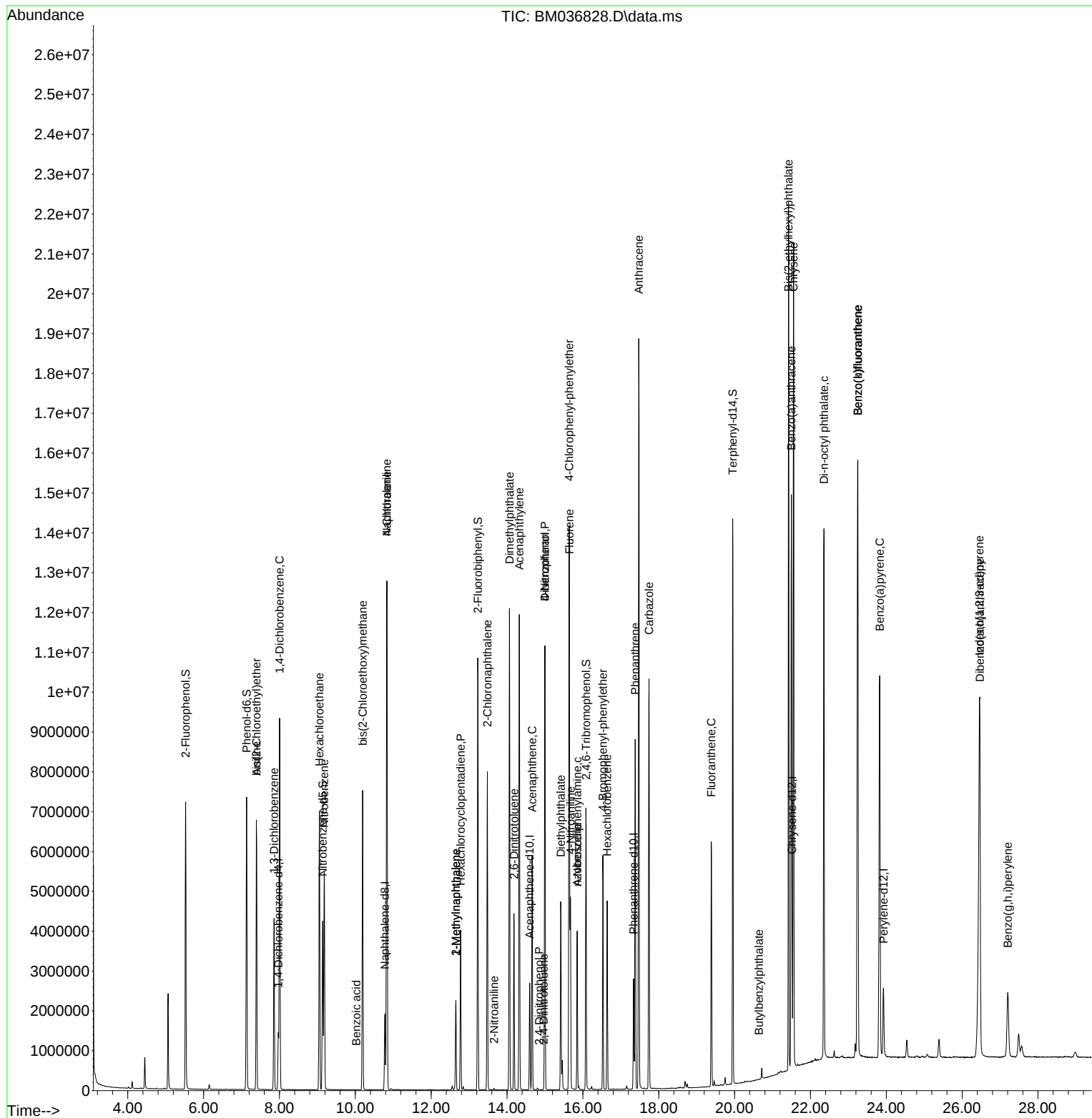
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| 81) Benzo(a)anthracene        | 21.497 | 228  | 7145801  | 86.662  | ng    | 99       |
| 83) Chrysene                  | 21.556 | 228  | 9993128  | 125.826 | ng    | 96       |
| 84) Bis(2-ethylhexyl)phtha... | 21.421 | 149  | 7239612  | 108.745 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.356 | 149  | 9015201  | 85.909  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.456 | 276  | 8681663  | 114.404 | ng    | 93       |
| 88) Benzo(b)fluoranthene      | 23.250 | 252  | 10865060 | 149.207 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 23.250 | 252  | 10867764 | 145.052 | ng    | 98       |
| 90) Benzo(a)pyrene            | 23.827 | 252  | 7030252  | 120.045 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 26.468 | 278  | 2820496  | 44.616  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 27.203 | 276  | 1922065  | 31.316  | ng    | 99       |
| -----                         |        |      |          |         |       |          |

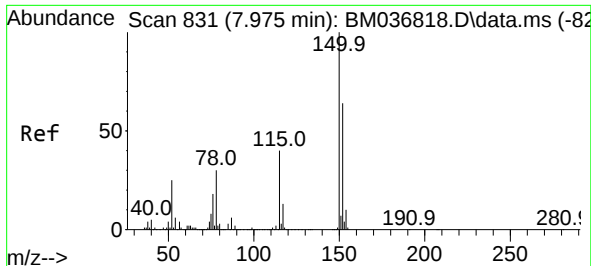
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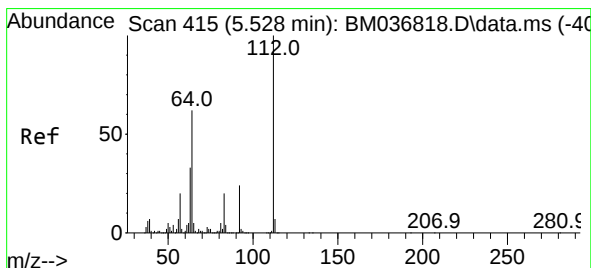
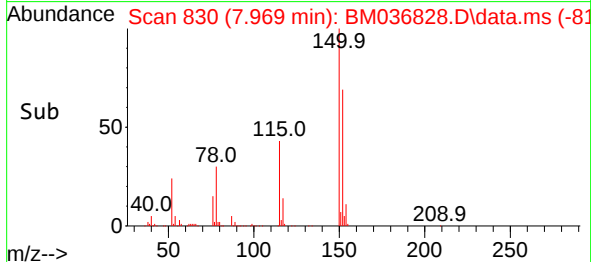
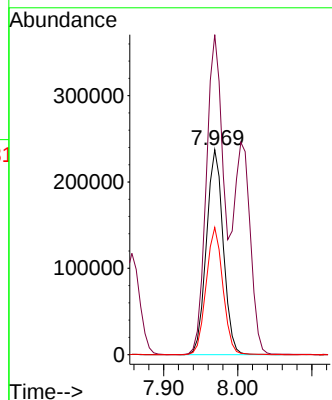
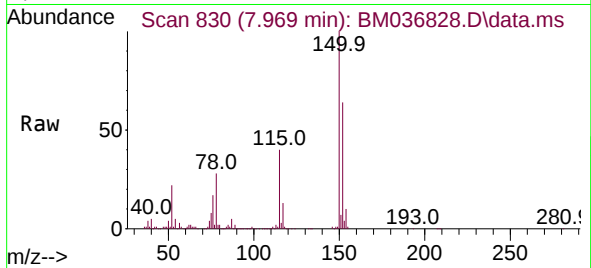




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.969 min Scan# 831  
Delta R.T. -0.006 min  
Lab File: BM036828.D  
Acq: 04 Oct 2022 14:43

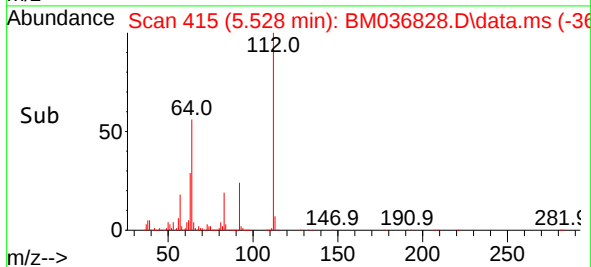
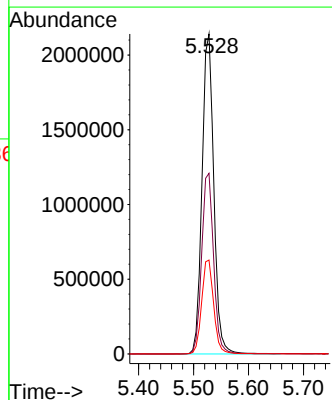
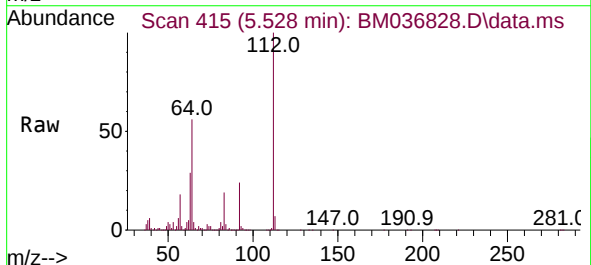
Instrument :  
BNA\_M  
ClientSampleId :

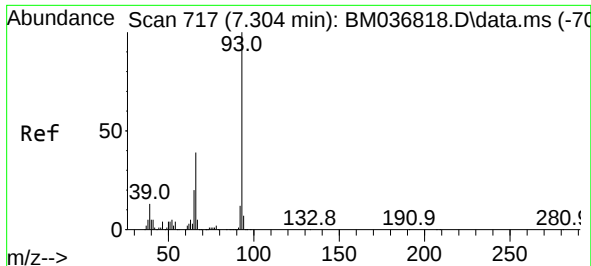
Tgt Ion:152 Resp: 373704  
Ion Ratio Lower Upper  
152 100  
150 156.2 125.9 188.9  
115 62.0 50.1 75.1



#5  
2-Fluorophenol  
Concen: 150.644 ng  
RT: 5.528 min Scan# 415  
Delta R.T. -0.000 min  
Lab File: BM036828.D  
Acq: 04 Oct 2022 14:43

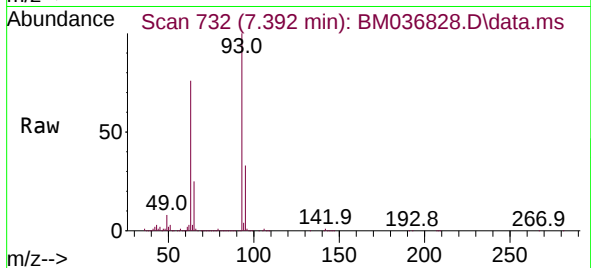
Tgt Ion:112 Resp: 3172123  
Ion Ratio Lower Upper  
112 100  
64 56.4 49.6 74.4  
63 29.3 26.2 39.4



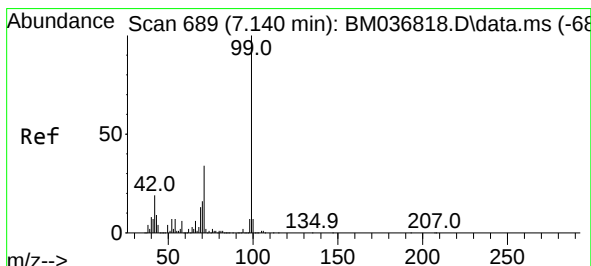
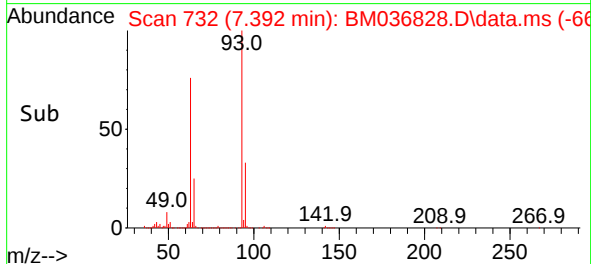
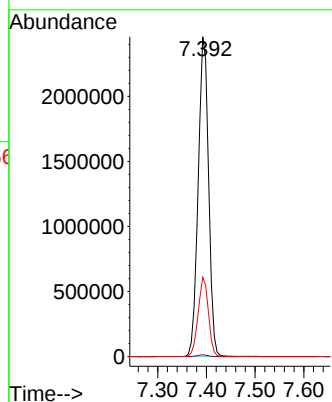


#6  
Aniline  
Concen: 96.590 ng  
RT: 7.392 min Scan# 717  
Delta R.T. 0.088 min  
Lab File: BM036828.D  
Acq: 04 Oct 2022 14:43

Instrument :  
BNA\_M  
ClientSampleId :

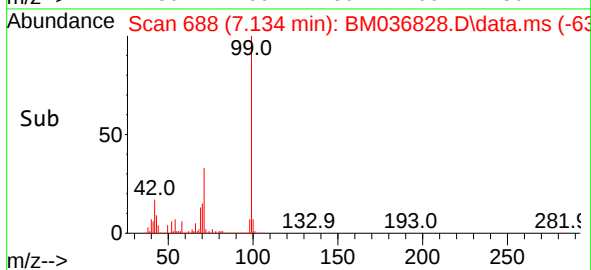
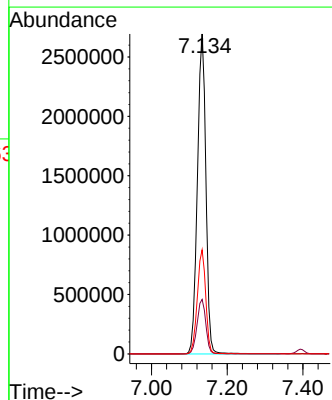
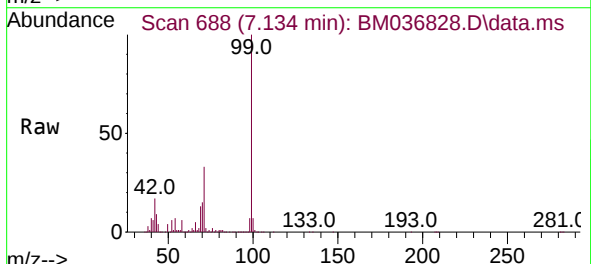


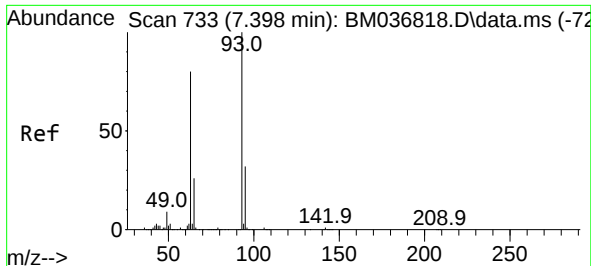
Tgt Ion: 93 Resp: 3627488  
Ion Ratio Lower Upper  
93 100  
66 0.6 31.0 46.4#  
65 24.8 16.3 24.5#



#7  
Phenol-d6  
Concen: 140.968 ng  
RT: 7.134 min Scan# 688  
Delta R.T. -0.006 min  
Lab File: BM036828.D  
Acq: 04 Oct 2022 14:43

Tgt Ion: 99 Resp: 4169572  
Ion Ratio Lower Upper  
99 100  
42 17.0 15.4 23.0  
71 32.5 26.9 40.3

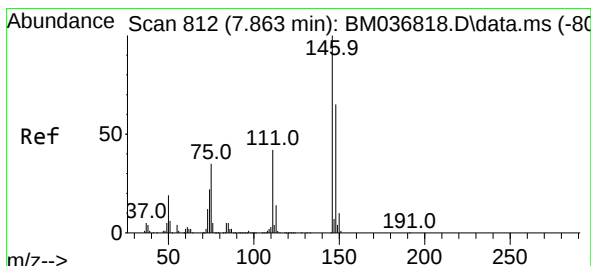
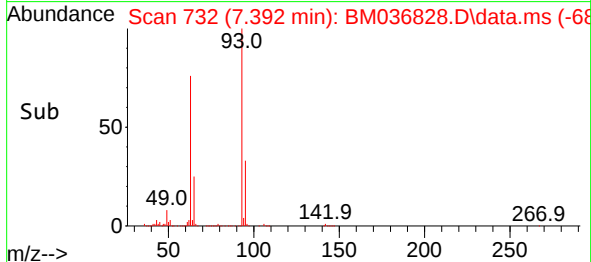
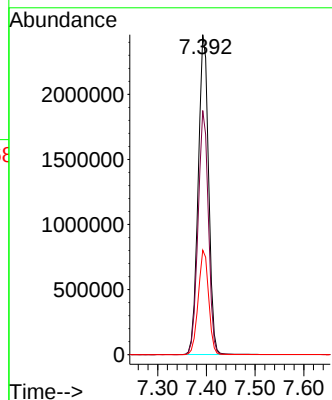
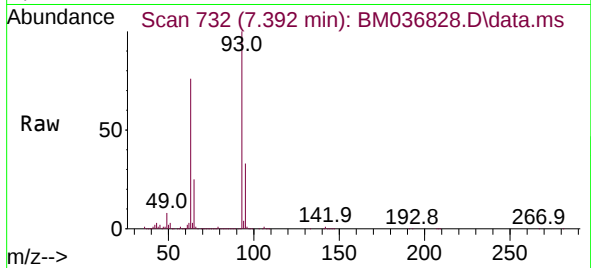




#11  
bis(2-Chloroethyl)ether  
Concen: 131.087 ng  
RT: 7.392 min Scan# 731  
Delta R.T. -0.006 min  
Lab File: BM036828.D  
Acq: 04 Oct 2022 14:43

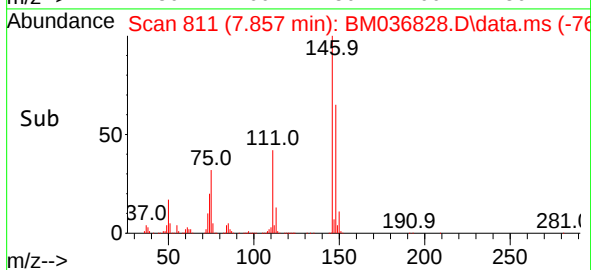
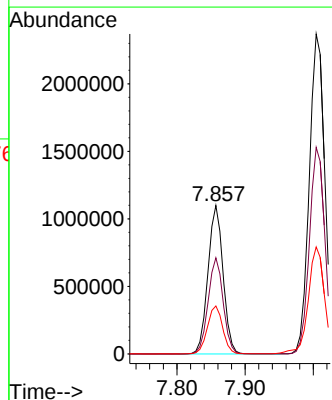
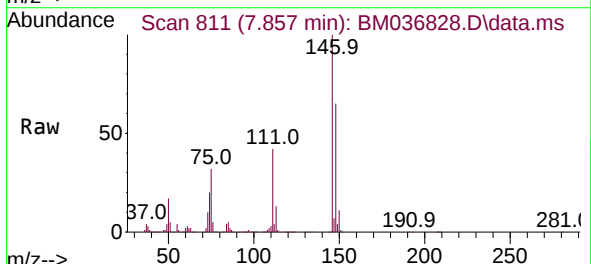
Instrument :  
BNA\_M  
ClientSampleId :

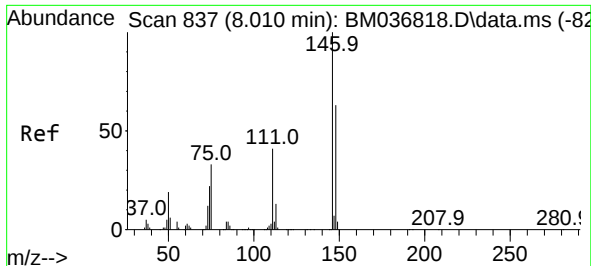
Tgt Ion: 93 Resp: 3627488  
Ion Ratio Lower Upper  
93 100  
63 76.3 60.1 100.1  
95 32.6 11.9 51.9



#12  
1,3-Dichlorobenzene  
Concen: 61.369 ng  
RT: 7.857 min Scan# 811  
Delta R.T. -0.006 min  
Lab File: BM036828.D  
Acq: 04 Oct 2022 14:43

Tgt Ion:146 Resp: 1689369  
Ion Ratio Lower Upper  
146 100  
148 64.8 51.8 77.6  
75 32.3 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 132.300 ng

RT: 8.004 min Scan# 837

Delta R.T. -0.006 min

Lab File: BM036828.D

Acq: 04 Oct 2022 14:43

Instrument :

BNA\_M

ClientSampleId :

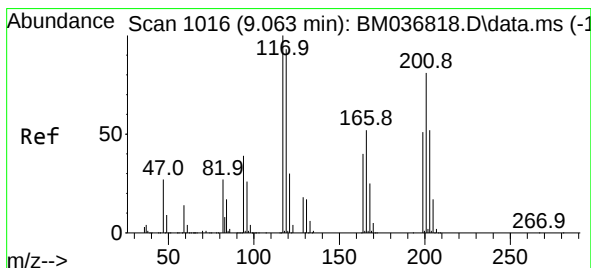
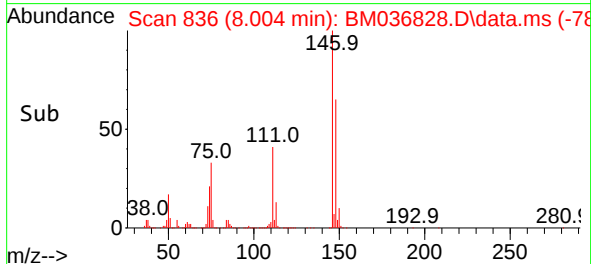
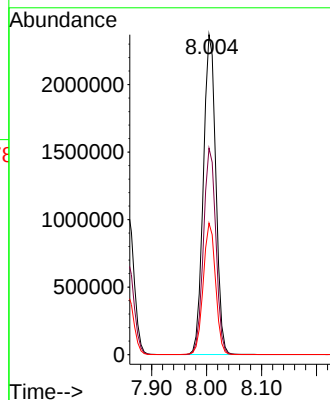
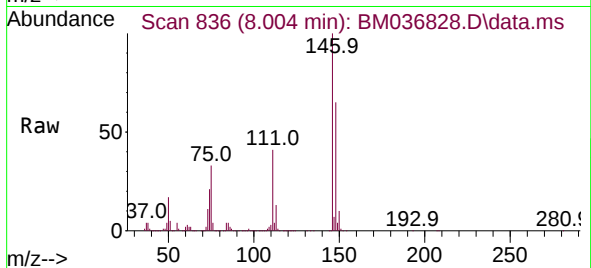
Tgt Ion:146 Resp: 3732385

Ion Ratio Lower Upper

146 100

148 64.5 50.4 75.6

111 41.1 32.8 49.2



#18

Hexachloroethane

Concen: 135.995 ng

RT: 9.051 min Scan# 1014

Delta R.T. -0.012 min

Lab File: BM036828.D

Acq: 04 Oct 2022 14:43

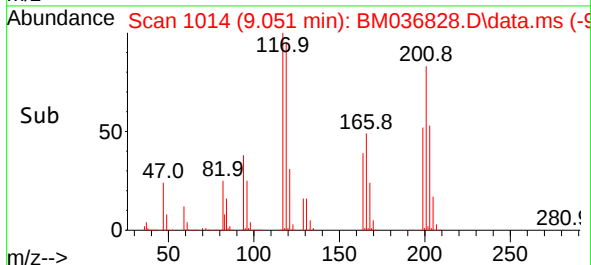
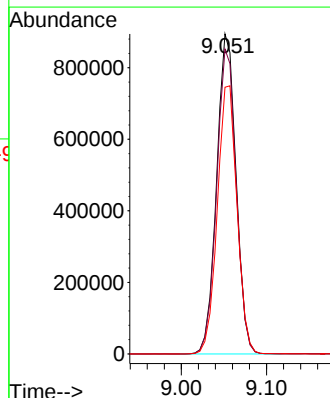
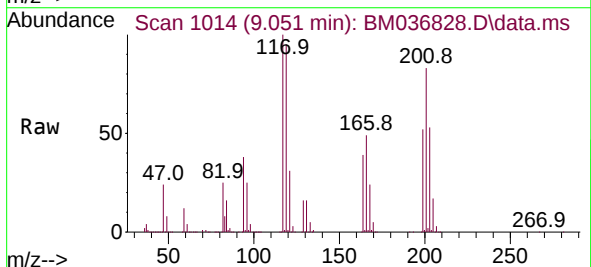
Tgt Ion:117 Resp: 1415355

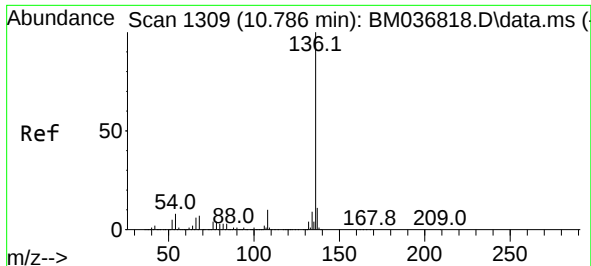
Ion Ratio Lower Upper

117 100

119 95.2 74.4 111.6

201 83.3 65.0 97.4

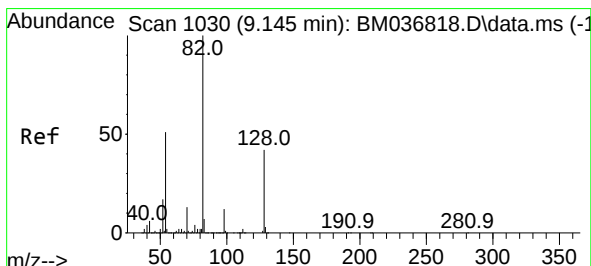
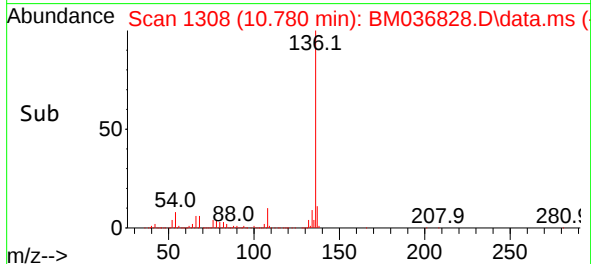
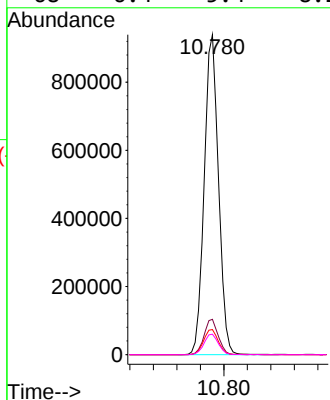
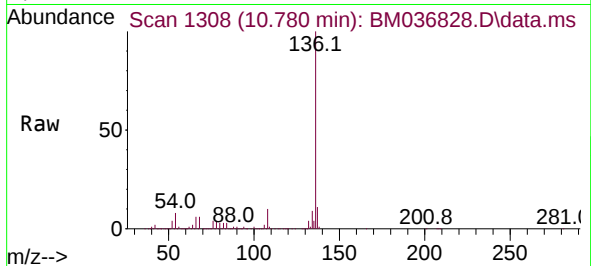




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.780 min Scan# 1309  
Delta R.T. -0.006 min  
Lab File: BM036828.D  
Acq: 04 Oct 2022 14:43

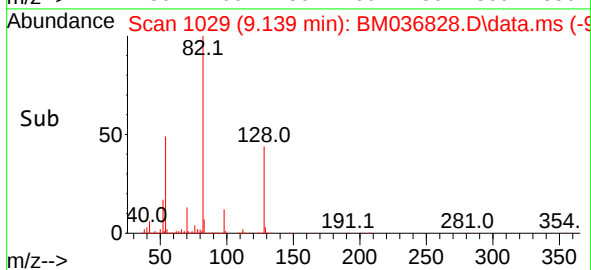
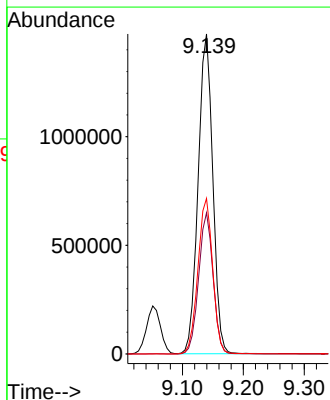
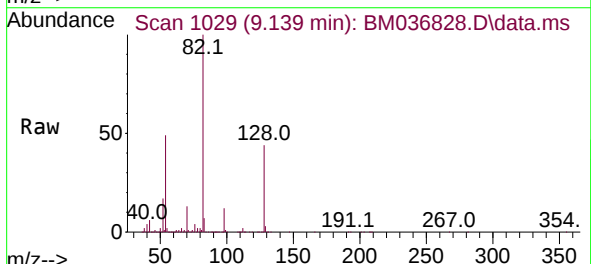
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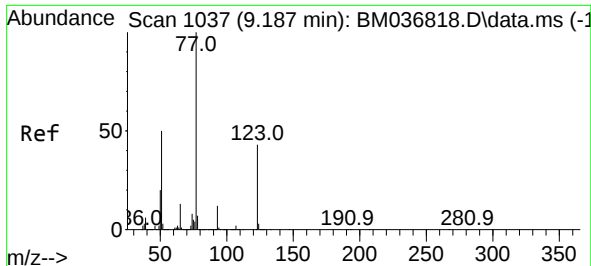
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Ion Ratio Lower Upper  
136 100  
137 11.0 8.8 13.2  
54 7.8 6.7 10.1  
68 6.4 5.4 8.2



#23  
Nitrobenzene-d5  
Concen: 83.095 ng  
RT: 9.139 min Scan# 1029  
Delta R.T. -0.006 min  
Lab File: BM036828.D  
Acq: 04 Oct 2022 14:43

Tgt Ion: 82 Resp: 2456561  
Ion Ratio Lower Upper  
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128 44.1 33.2 49.8  
54 48.6 40.6 60.8

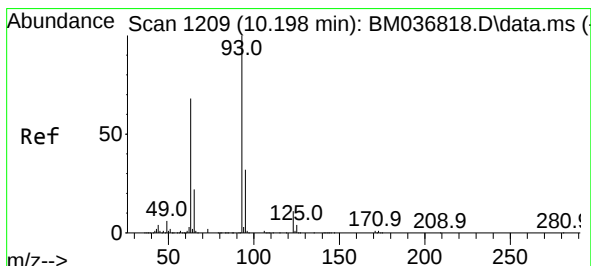
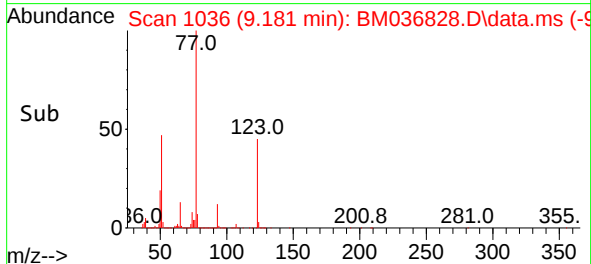
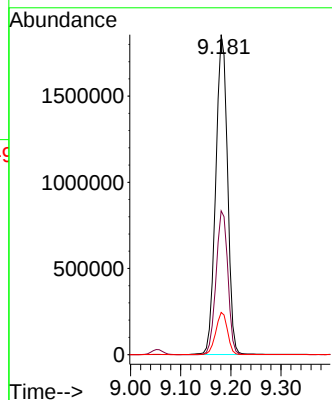
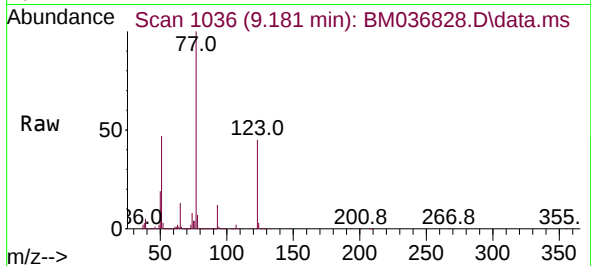




#24  
Nitrobenzene  
Concen: 96.973 ng  
RT: 9.181 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: BM036828.D  
Acq: 04 Oct 2022 14:43

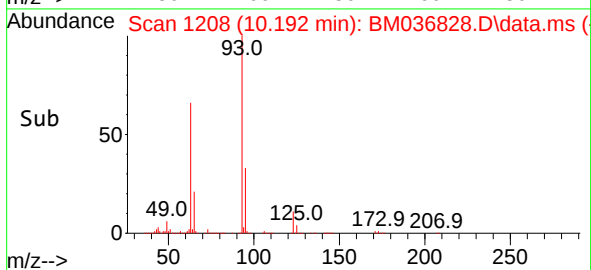
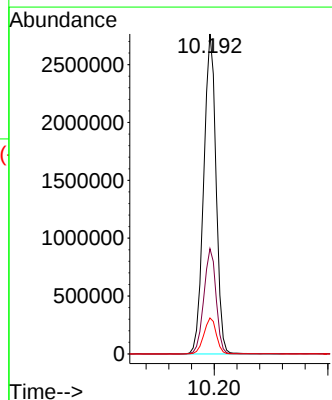
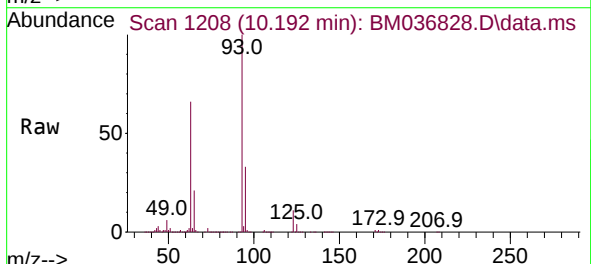
Instrument :  
BNA\_M  
ClientSampleId :

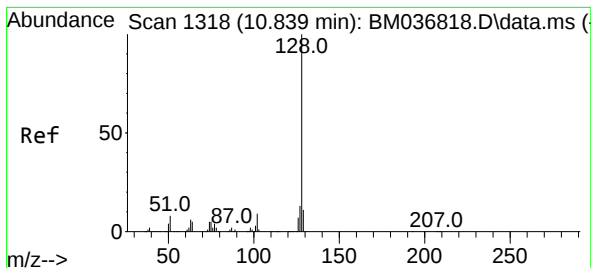
Tgt Ion: 77 Resp: 3031840  
Ion Ratio Lower Upper  
77 100  
123 44.9 34.2 51.2  
65 13.2 10.7 16.1



#28  
bis(2-Chloroethoxy)methane  
Concen: 125.949 ng  
RT: 10.192 min Scan# 1208  
Delta R.T. -0.006 min  
Lab File: BM036828.D  
Acq: 04 Oct 2022 14:43

Tgt Ion: 93 Resp: 4163944  
Ion Ratio Lower Upper  
93 100  
95 32.9 25.9 38.9  
123 11.2 9.0 13.4

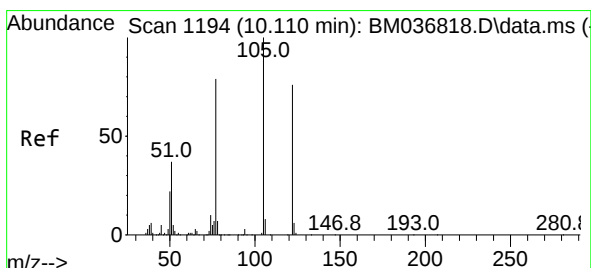
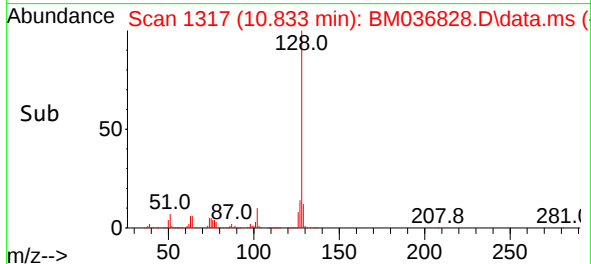
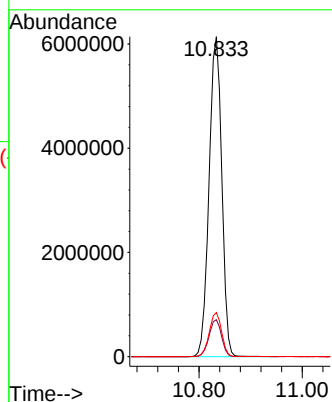
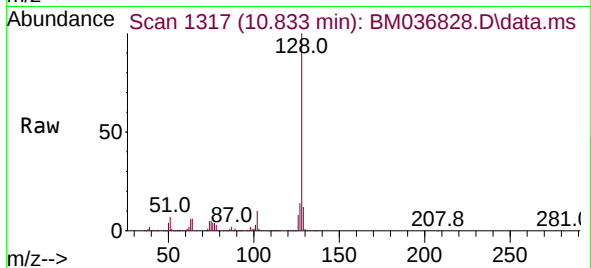




#31  
Naphthalene  
Concen: 122.317 ng  
RT: 10.833 min Scan# 1318  
Delta R.T. -0.006 min  
Lab File: BM036828.D  
Acq: 04 Oct 2022 14:43

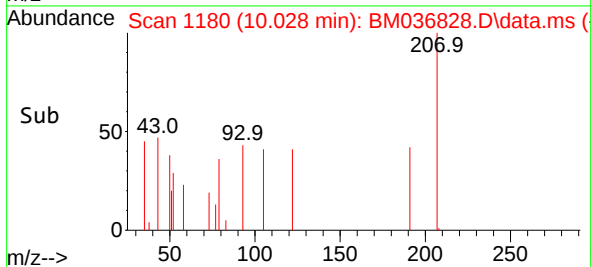
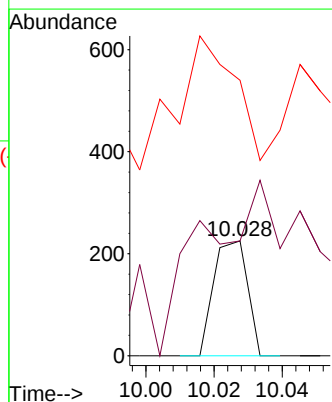
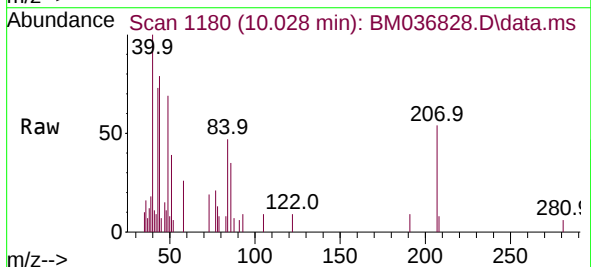
Instrument :  
BNA\_M  
ClientSampleId :

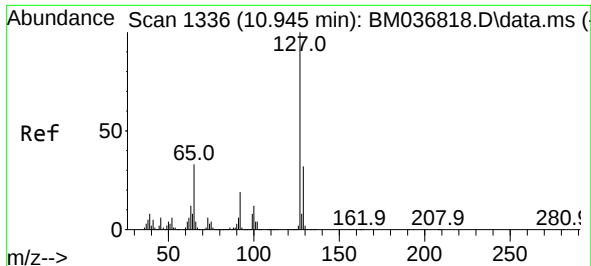
Tgt Ion:128 Resp:10449251  
Ion Ratio Lower Upper  
128 100  
129 11.5 8.6 13.0  
127 13.8 10.3 15.5



#32  
Benzoic acid  
Concen: 6.806 ng  
RT: 10.028 min Scan# 1180  
Delta R.T. -0.082 min  
Lab File: BM036828.D  
Acq: 04 Oct 2022 14:43

Tgt Ion:122 Resp: 154  
Ion Ratio Lower Upper  
122 100  
105 100.0 106.4 146.4#  
77 240.0 81.4 121.4#

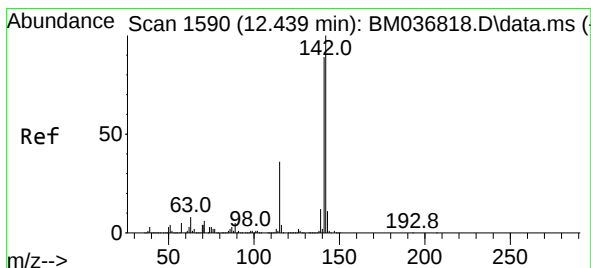
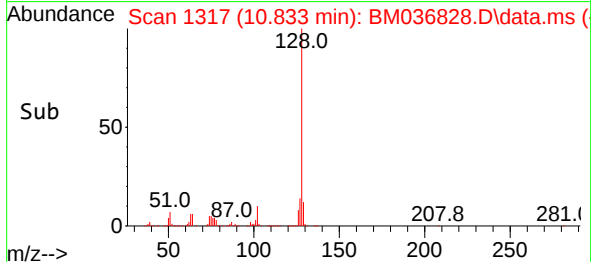
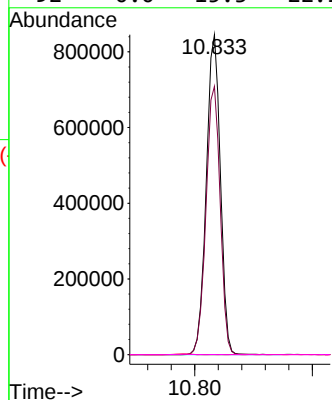
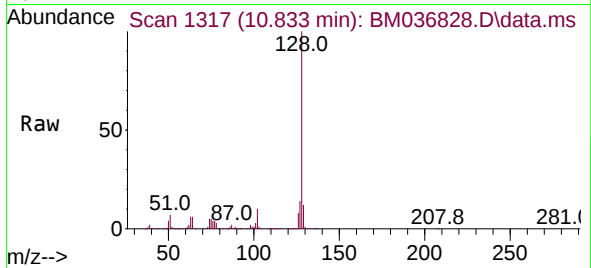




#33  
4-Chloroaniline  
Concen: 40.874 ng  
RT: 10.833 min Scan# 1336  
Delta R.T. -0.112 min  
Lab File: BM036828.D  
Acq: 04 Oct 2022 14:43

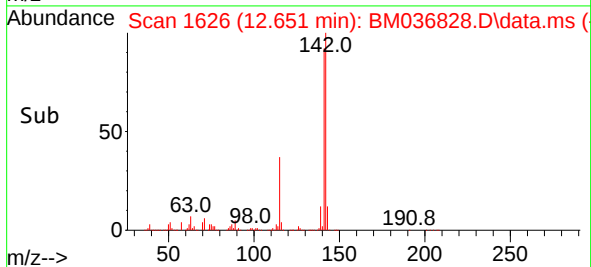
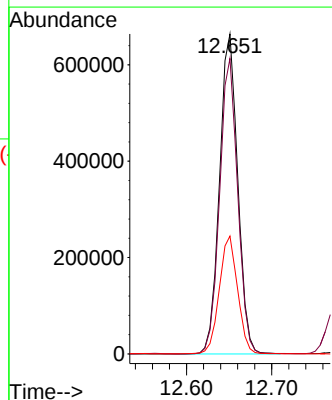
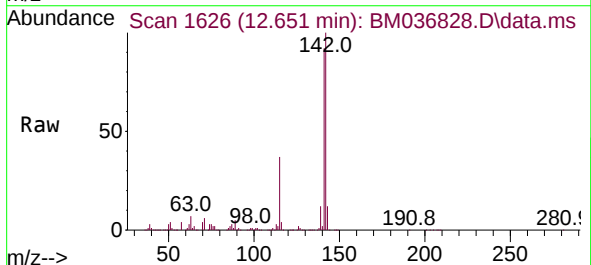
Instrument :  
BNA\_M  
ClientSampleId :

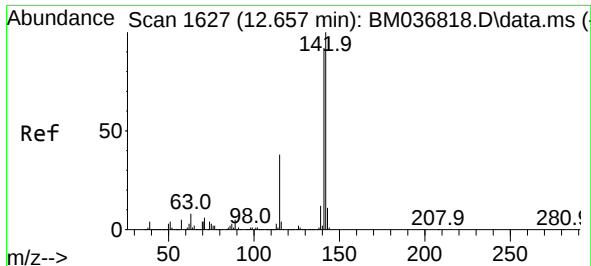
Tgt Ion:127 Resp: 1403598  
Ion Ratio Lower Upper  
127 100  
129 83.8 25.8 38.8#  
65 0.0 26.4 39.6#  
92 0.0 15.3 22.9#



#37  
2-Methylnaphthalene  
Concen: 17.168 ng  
RT: 12.651 min Scan# 1626  
Delta R.T. 0.212 min  
Lab File: BM036828.D  
Acq: 04 Oct 2022 14:43

Tgt Ion:142 Resp: 985178  
Ion Ratio Lower Upper  
142 100  
141 92.3 71.6 107.4  
115 36.8 29.0 43.6

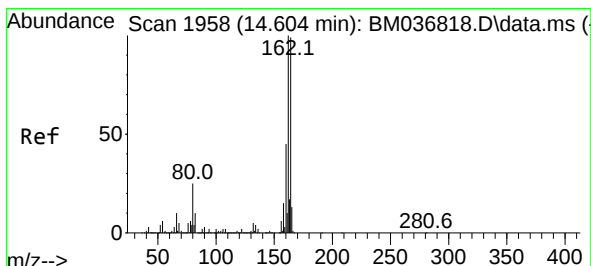
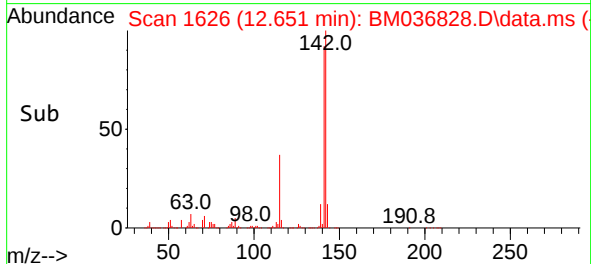
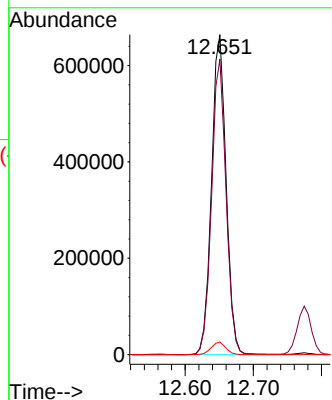
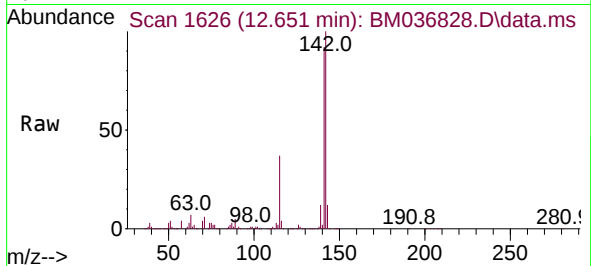




#38  
1-Methylnaphthalene  
Concen: 17.561 ng  
RT: 12.651 min Scan# 1626  
Delta R.T. -0.006 min  
Lab File: BM036828.D  
Acq: 04 Oct 2022 14:43

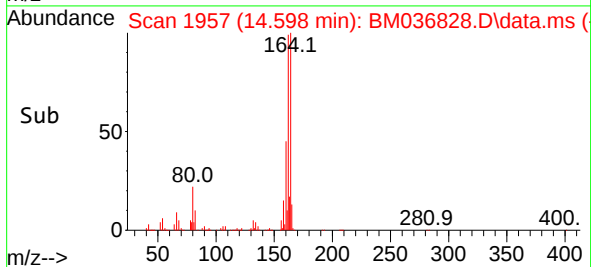
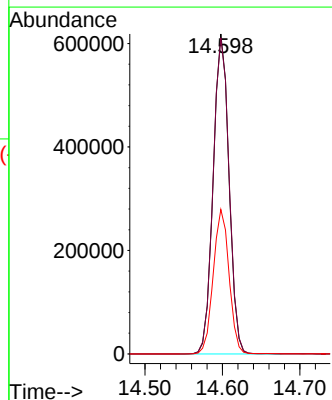
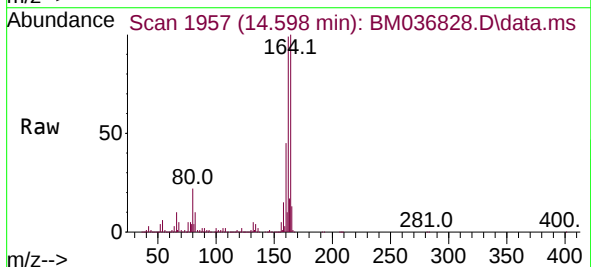
Instrument :  
BNA\_M  
ClientSampleId :

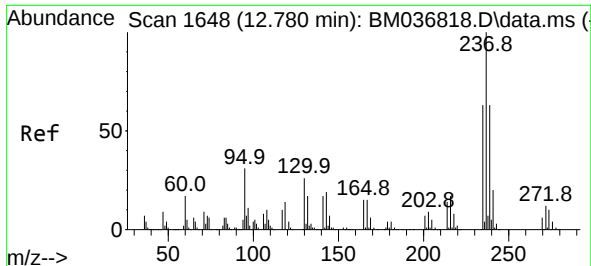
Tgt Ion:142 Resp: 986297  
Ion Ratio Lower Upper  
142 100  
141 92.3 73.6 110.4  
116 3.9 3.3 4.9



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.598 min Scan# 1957  
Delta R.T. -0.006 min  
Lab File: BM036828.D  
Acq: 04 Oct 2022 14:43

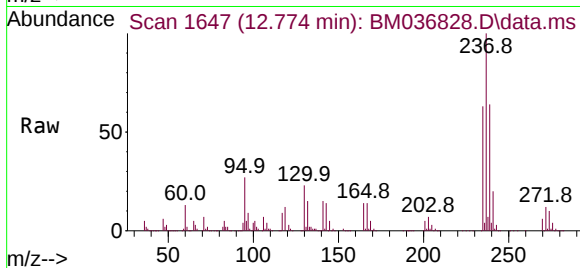
Tgt Ion:164 Resp: 873943  
Ion Ratio Lower Upper  
164 100  
162 98.8 80.5 120.7  
160 45.1 36.1 54.1



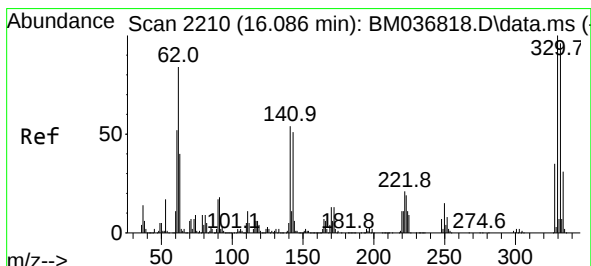
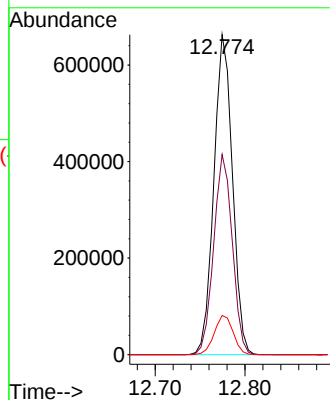
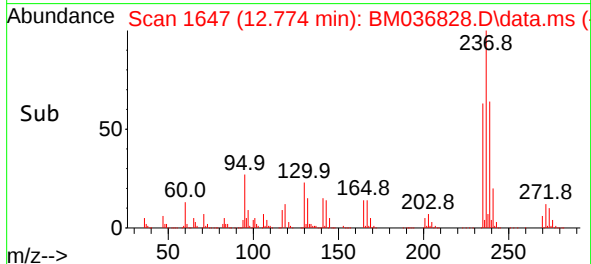


#41  
Hexachlorocyclopentadiene  
Concen: 90.633 ng  
RT: 12.774 min Scan# 1647  
Delta R.T. -0.006 min  
Lab File: BM036828.D  
Acq: 04 Oct 2022 14:43

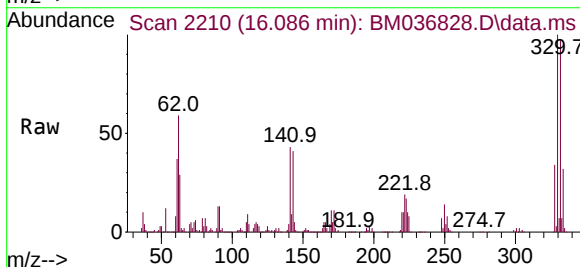
Instrument :  
BNA\_M  
ClientSampleId :



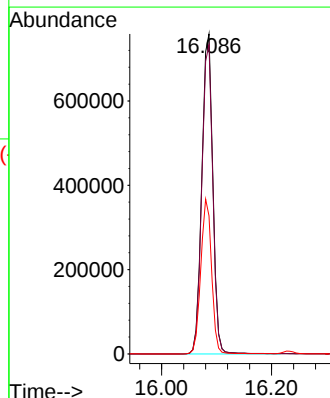
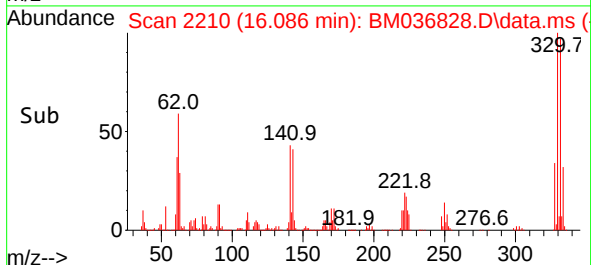
Tgt Ion:237 Resp: 952463  
Ion Ratio Lower Upper  
237 100  
235 62.5 43.2 83.2  
272 12.2 0.0 32.1

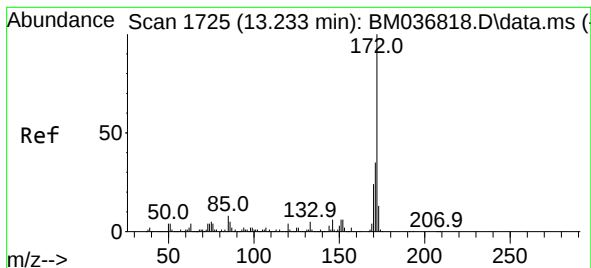


#42  
2,4,6-Tribromophenol  
Concen: 153.182 ng  
RT: 16.086 min Scan# 2210  
Delta R.T. -0.000 min  
Lab File: BM036828.D  
Acq: 04 Oct 2022 14:43



Tgt Ion:330 Resp: 1049956  
Ion Ratio Lower Upper  
330 100  
332 96.7 76.8 115.2  
141 47.7 41.5 62.3





#45

2-Fluorobiphenyl

Concen: 92.188 ng

RT: 13.227 min Scan# 1725

Delta R.T. -0.006 min

Lab File: BM036828.D

Acq: 04 Oct 2022 14:43

Instrument :

BNA\_M

ClientSampleId :

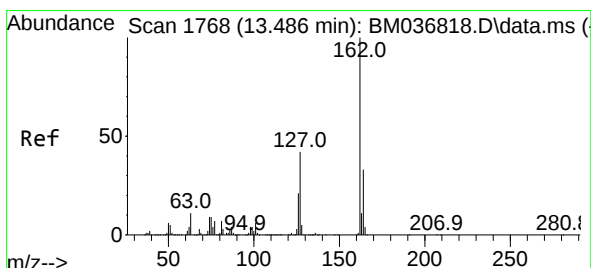
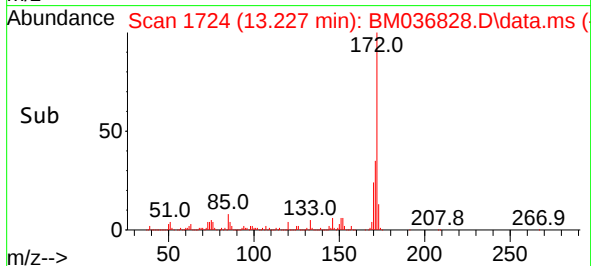
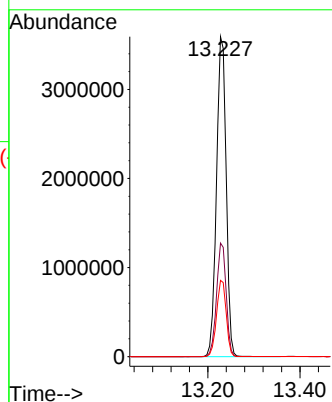
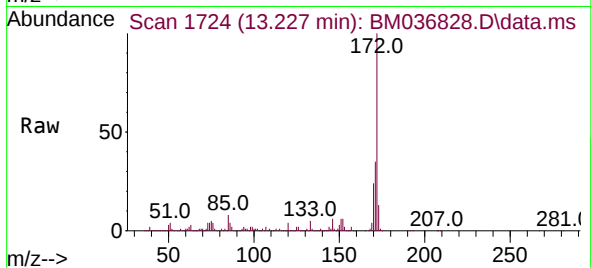
Tgt Ion:172 Resp: 5225123

Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.8 19.0 28.6



#47

2-Chloronaphthalene

Concen: 71.141 ng

RT: 13.480 min Scan# 1767

Delta R.T. -0.006 min

Lab File: BM036828.D

Acq: 04 Oct 2022 14:43

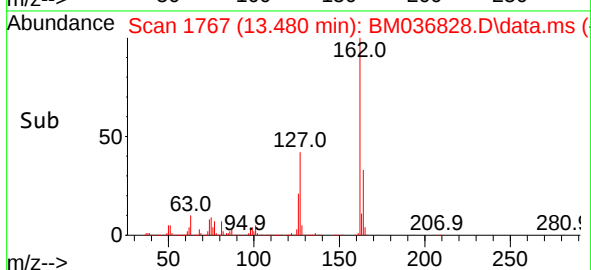
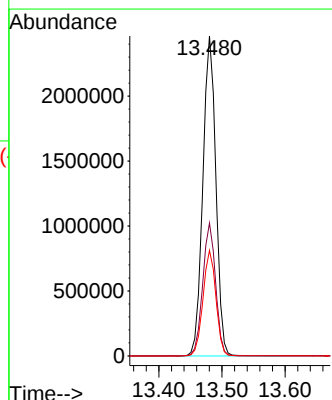
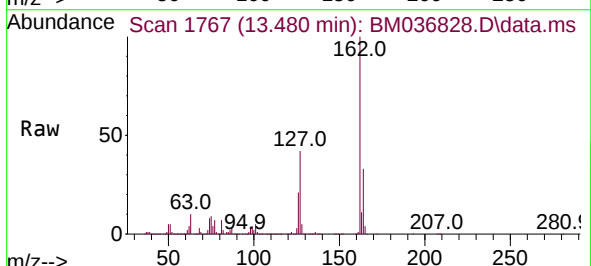
Tgt Ion:162 Resp: 3519896

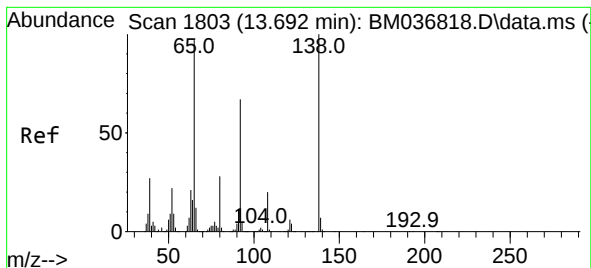
Ion Ratio Lower Upper

162 100

127 41.5 33.4 50.2

164 33.0 26.2 39.2





#48

2-Nitroaniline

Concen: 2.285 ng

RT: 13.657 min Scan# 1797

Delta R.T. -0.035 min

Lab File: BM036828.D

Acq: 04 Oct 2022 14:43

Instrument :

BNA\_M

ClientSampleId :

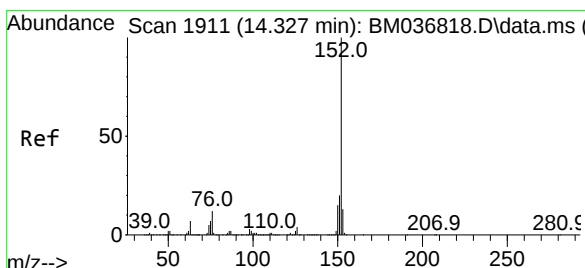
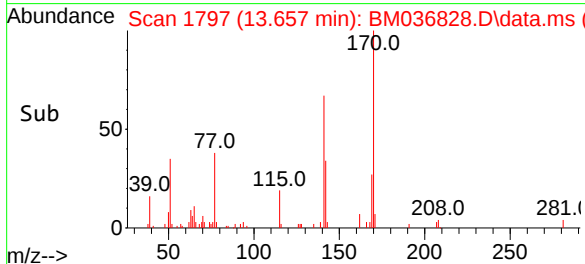
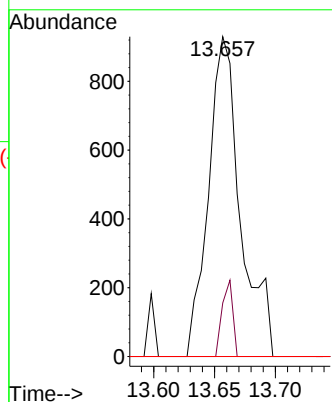
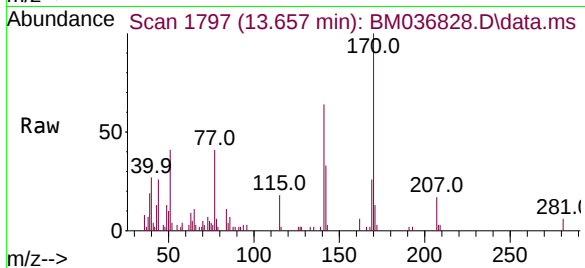
Tgt Ion: 65 Resp: 1704

Ion Ratio Lower Upper

65 100

92 16.8 55.0 82.4#

138 0.0 82.5 123.7#



#49

Acenaphthylene

Concen: 103.147 ng

RT: 14.327 min Scan# 1911

Delta R.T. 0.000 min

Lab File: BM036828.D

Acq: 04 Oct 2022 14:43

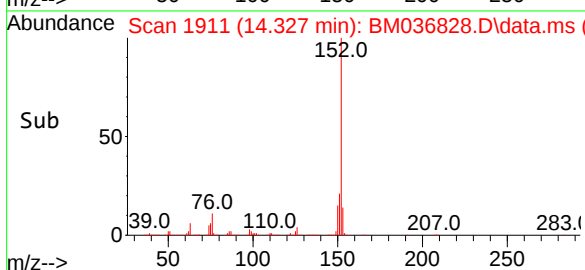
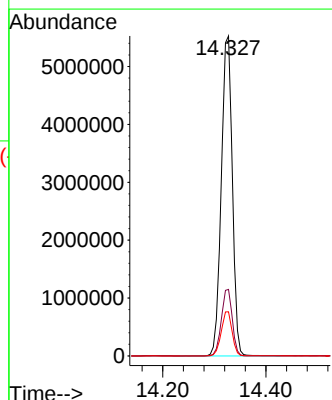
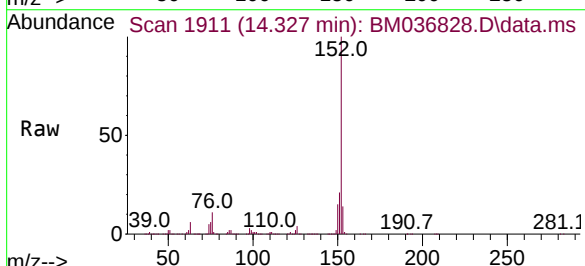
Tgt Ion:152 Resp: 8264934

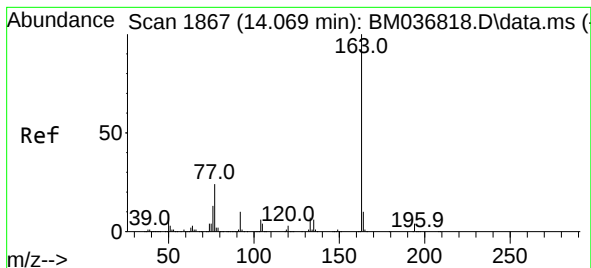
Ion Ratio Lower Upper

152 100

151 20.8 16.2 24.2

153 13.8 10.5 15.7





#50

Dimethylphthalate

Concen: 122.306 ng

RT: 14.063 min Scan# 1866

Delta R.T. -0.006 min

Lab File: BM036828.D

Acq: 04 Oct 2022 14:43

Instrument :

BNA\_M

ClientSampleId :

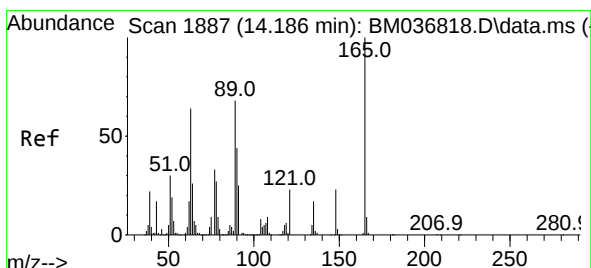
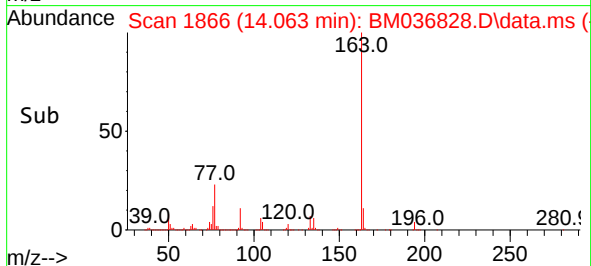
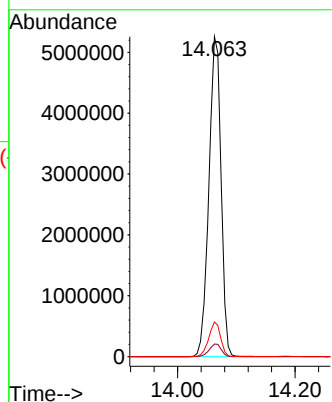
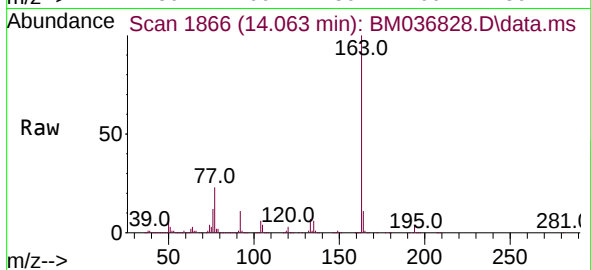
Tgt Ion:163 Resp: 7537703

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.4

164 10.8 8.1 12.1



#51

2,6-Dinitrotoluene

Concen: 61.330 ng

RT: 14.186 min Scan# 1887

Delta R.T. 0.000 min

Lab File: BM036828.D

Acq: 04 Oct 2022 14:43

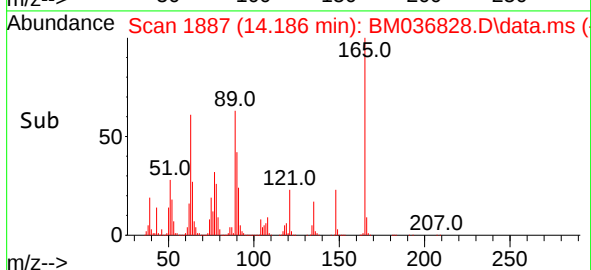
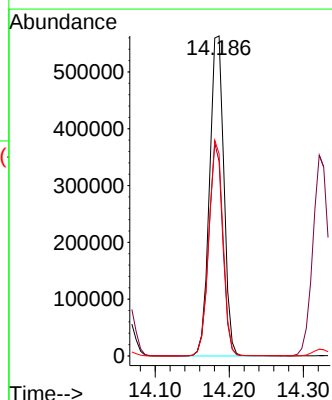
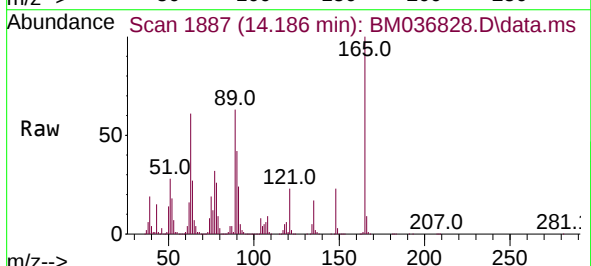
Tgt Ion:165 Resp: 755227

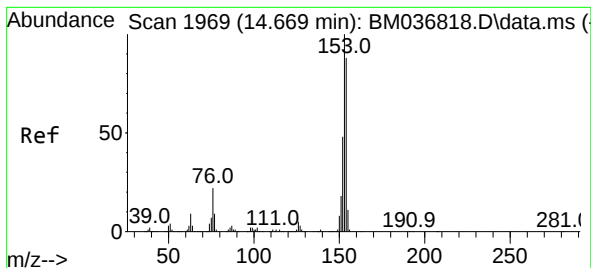
Ion Ratio Lower Upper

165 100

63 60.8 54.4 81.6

89 63.2 54.7 82.1





#52

Acenaphthene

Concen: 38.953 ng

RT: 14.663 min Scan# 19

Delta R.T. -0.006 min

Lab File: BM036828.D

Acq: 04 Oct 2022 14:43

Instrument :

BNA\_M

ClientSampleId :

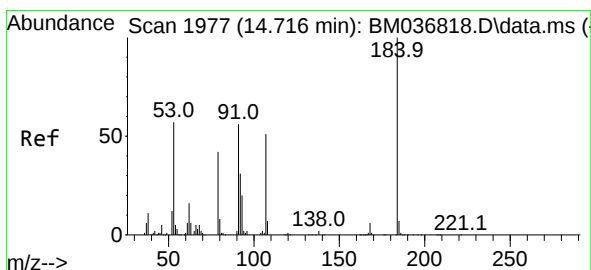
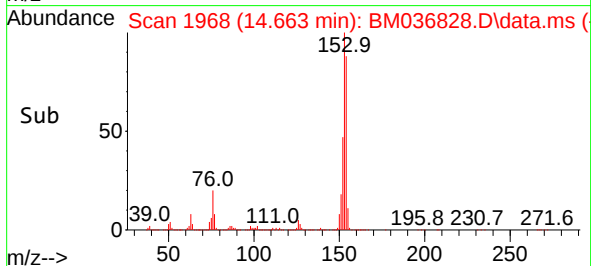
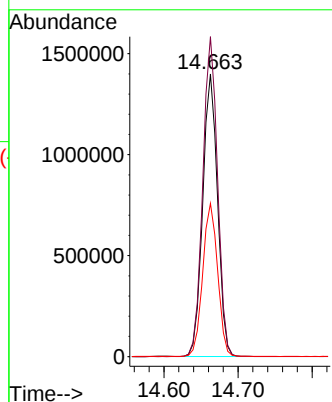
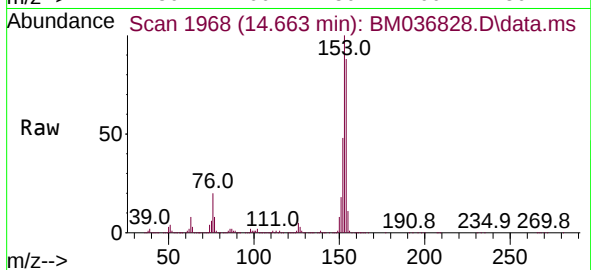
Tgt Ion:154 Resp: 1939605

Ion Ratio Lower Upper

154 100

153 113.2 91.4 137.0

152 54.2 44.0 66.0



#54

2,4-Dinitrophenol

Concen: 6.632 ng

RT: 14.845 min Scan# 1999

Delta R.T. 0.129 min

Lab File: BM036828.D

Acq: 04 Oct 2022 14:43

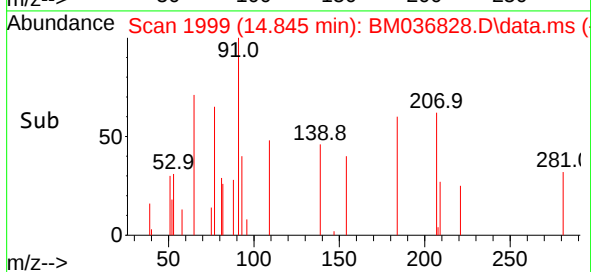
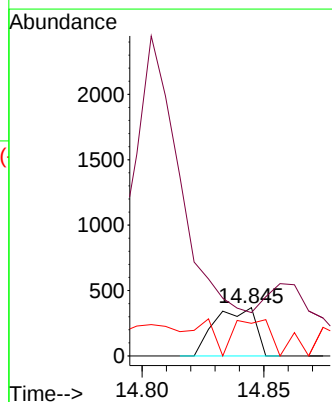
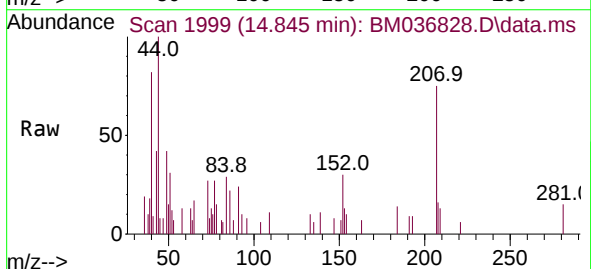
Tgt Ion:184 Resp: 429

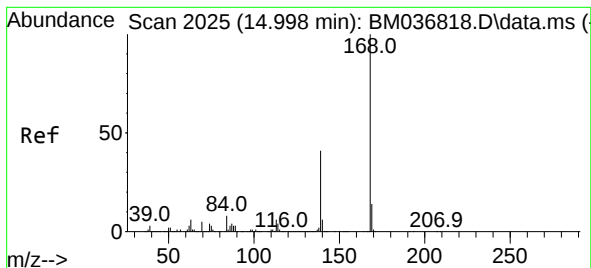
Ion Ratio Lower Upper

184 100

63 89.7 65.0 97.6

154 67.5 50.4 75.6





#55

Dibenzenofuran

Concen: 89.215 ng

RT: 14.998 min Scan# 20

Delta R.T. -0.000 min

Lab File: BM036828.D

Acq: 04 Oct 2022 14:43

Instrument :

BNA\_M

ClientSampleId :

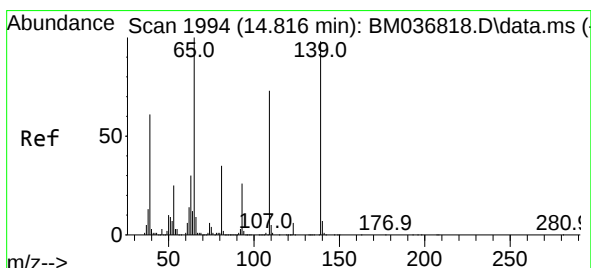
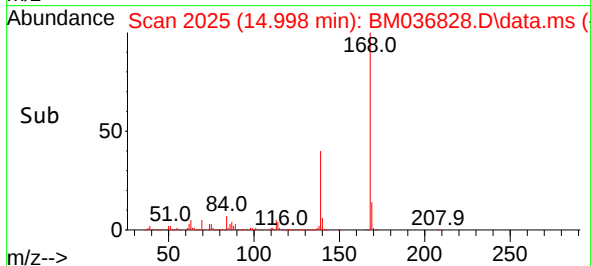
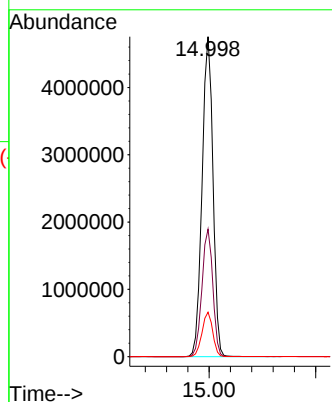
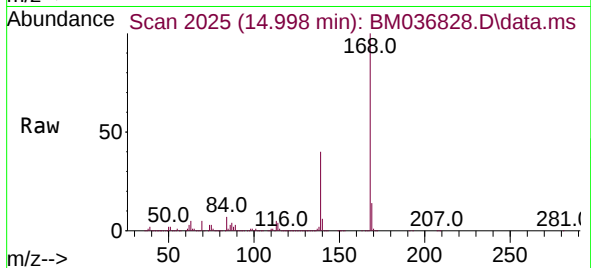
Tgt Ion:168 Resp: 6725858

Ion Ratio Lower Upper

168 100

139 39.8 32.7 49.1

169 13.9 10.8 16.2



#56

4-Nitrophenol

Concen: 226.058 ng

RT: 14.998 min Scan# 2025

Delta R.T. 0.182 min

Lab File: BM036828.D

Acq: 04 Oct 2022 14:43

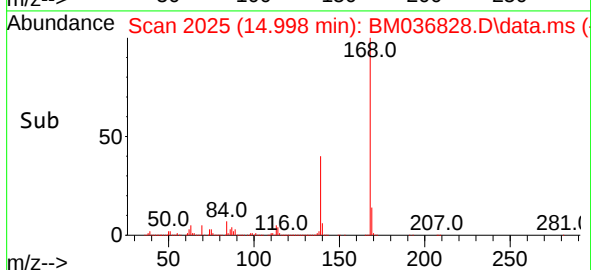
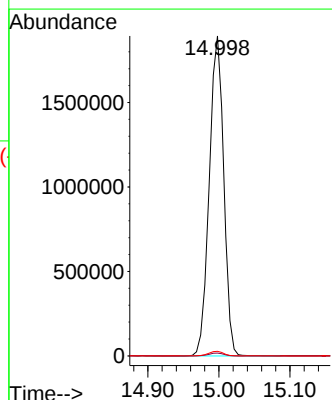
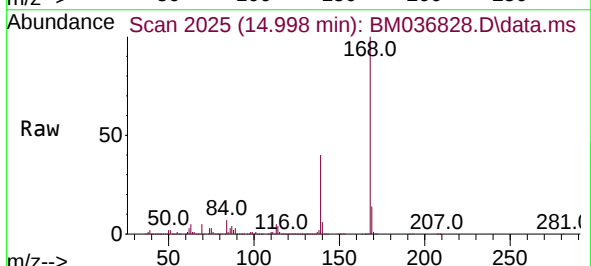
Tgt Ion:139 Resp: 2671702

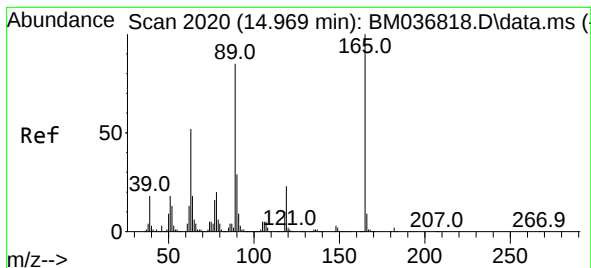
Ion Ratio Lower Upper

139 100

109 0.9 54.9 94.9#

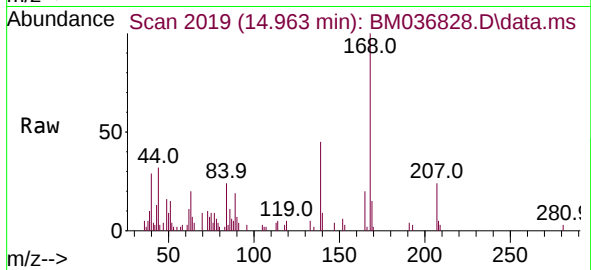
65 1.4 82.6 122.6#



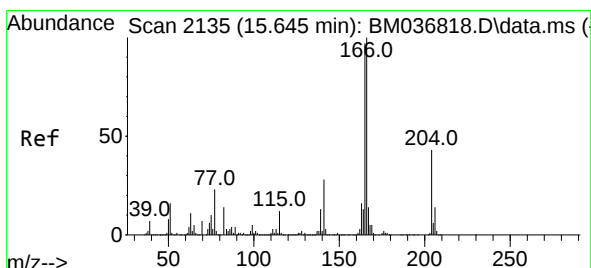
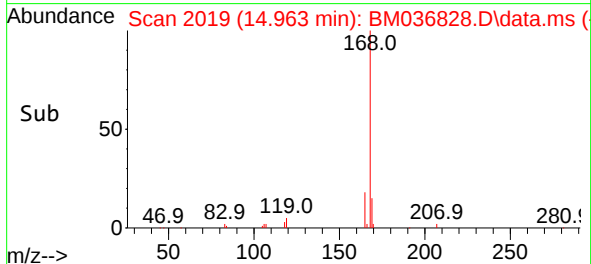
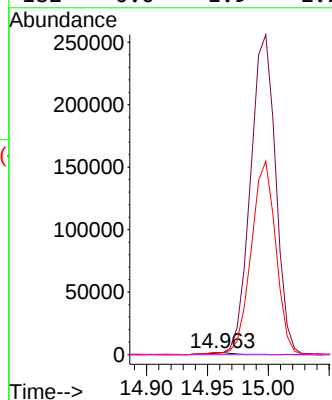


#57  
2,4-Dinitrotoluene  
Concen: 2.908 ng  
RT: 14.963 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: BM036828.D  
Acq: 04 Oct 2022 14:43

Instrument :  
BNA\_M  
ClientSampleId :

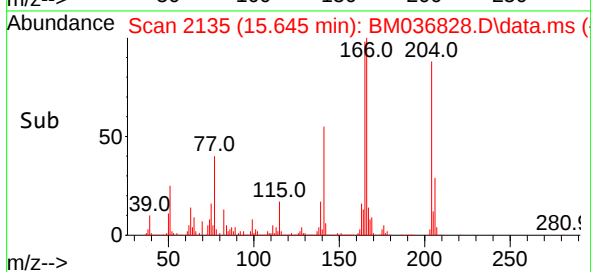
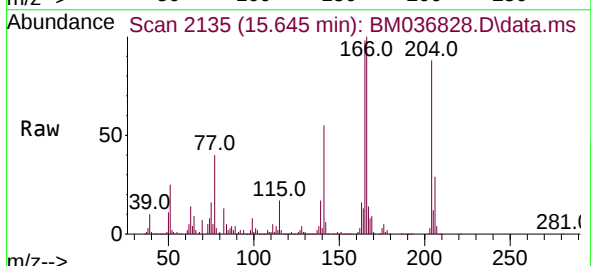
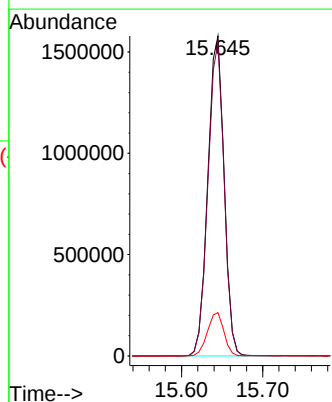


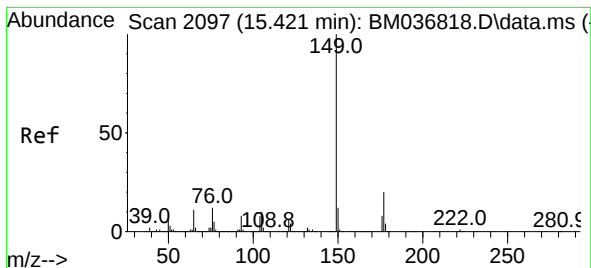
Tgt Ion:165 Resp: 2468  
Ion Ratio Lower Upper  
165 100  
63 98.0 41.8 62.8#  
89 92.6 68.2 102.2  
182 0.0 1.9 2.9#



#58  
Fluorene  
Concen: 35.645 ng  
RT: 15.645 min Scan# 2135  
Delta R.T. -0.000 min  
Lab File: BM036828.D  
Acq: 04 Oct 2022 14:43

Tgt Ion:166 Resp: 2201582  
Ion Ratio Lower Upper  
166 100  
165 97.9 77.3 115.9  
167 13.5 11.0 16.4





#60

Diethylphthalate

Concen: 41.272 ng

RT: 15.415 min Scan# 2096

Delta R.T. -0.006 min

Lab File: BM036828.D

Acq: 04 Oct 2022 14:43

Instrument :

BNA\_M

ClientSampleId :

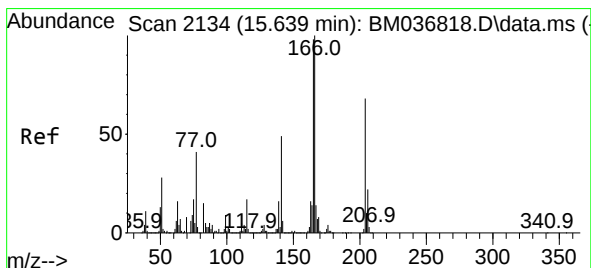
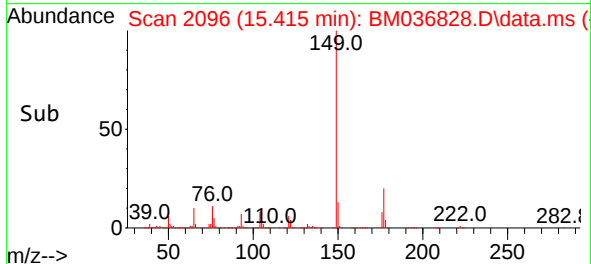
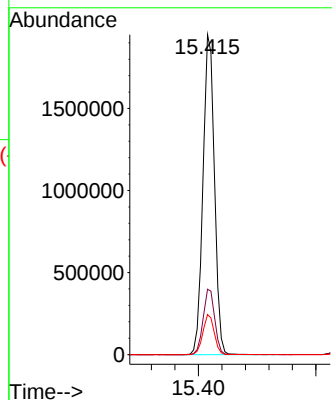
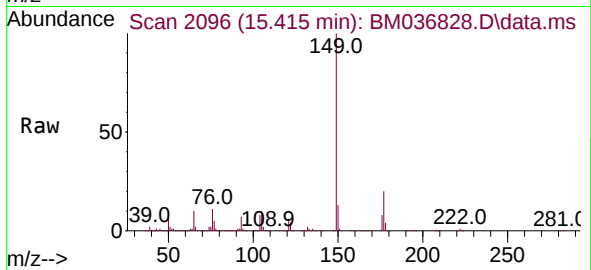
Tgt Ion:149 Resp: 2638101

Ion Ratio Lower Upper

149 100

177 20.4 16.3 24.5

150 12.5 9.9 14.9



#61

4-Chlorophenyl-phenylether

Concen: 90.047 ng

RT: 15.639 min Scan# 2134

Delta R.T. -0.000 min

Lab File: BM036828.D

Acq: 04 Oct 2022 14:43

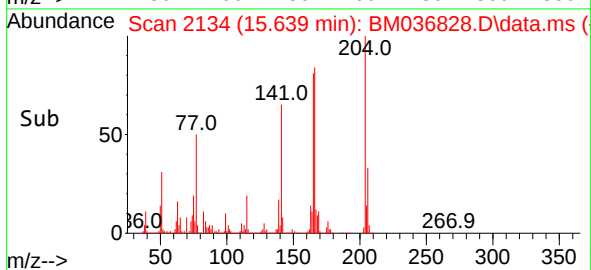
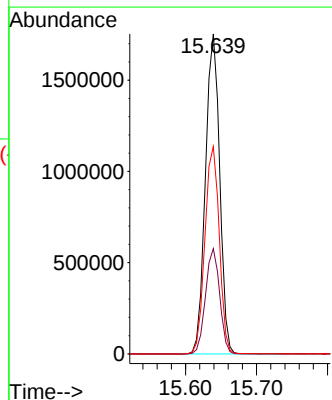
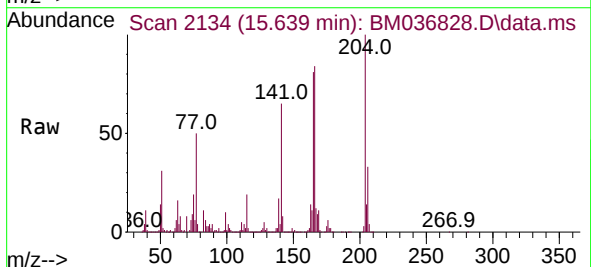
Tgt Ion:204 Resp: 2430548

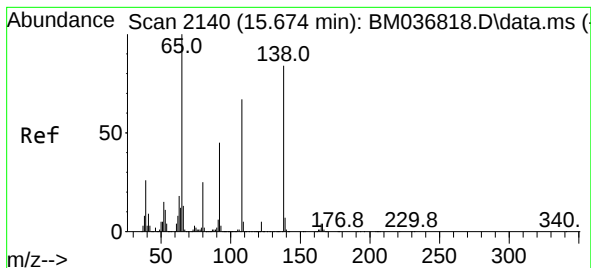
Ion Ratio Lower Upper

204 100

206 32.9 26.6 39.8

141 64.8 57.4 86.0

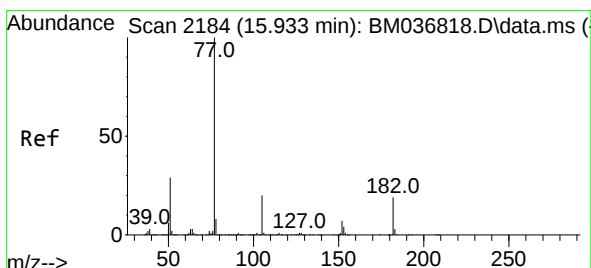
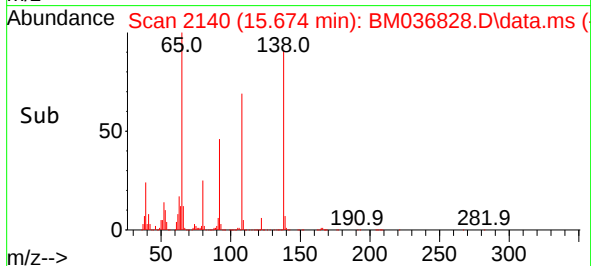
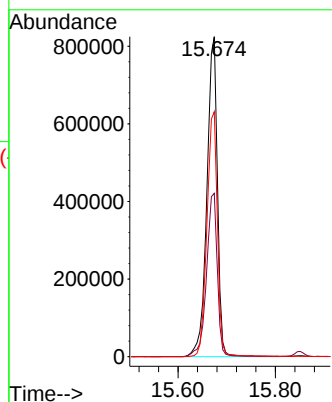
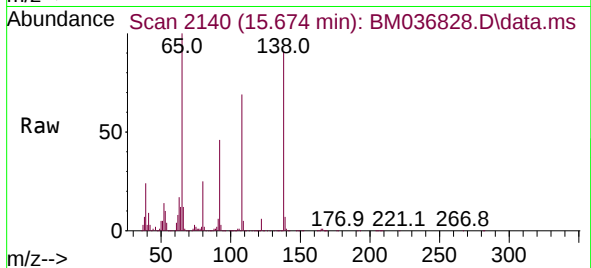




#62  
4-Nitroaniline  
Concen: 74.019 ng  
RT: 15.674 min Scan# 2140  
Delta R.T. 0.000 min  
Lab File: BM036828.D  
Acq: 04 Oct 2022 14:43

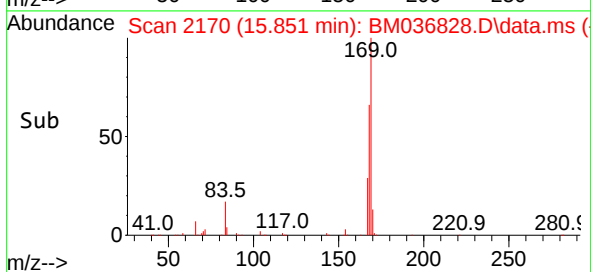
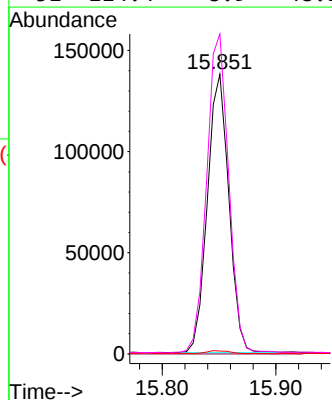
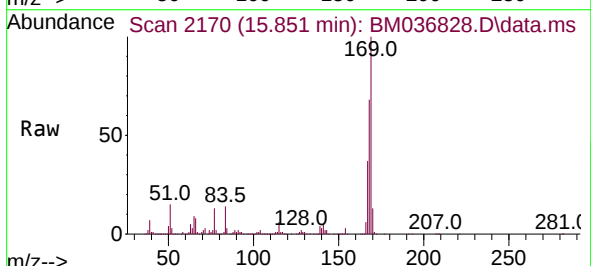
Instrument :  
BNA\_M  
ClientSampleId :

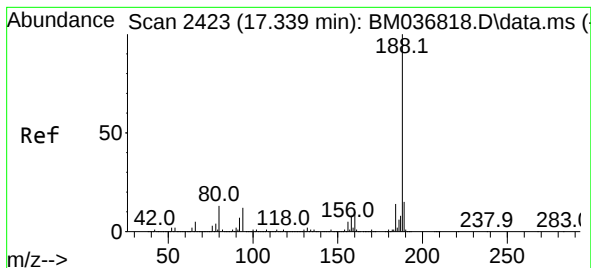
Tgt Ion:138 Resp: 1244330  
Ion Ratio Lower Upper  
138 100  
92 51.1 34.1 74.1  
108 76.5 60.3 100.3



#63  
Azobenzene  
Concen: 2.552 ng  
RT: 15.851 min Scan# 2170  
Delta R.T. -0.082 min  
Lab File: BM036828.D  
Acq: 04 Oct 2022 14:43

Tgt Ion: 77 Resp: 181449  
Ion Ratio Lower Upper  
77 100  
182 0.0 0.0 39.2  
105 1.0 0.0 39.8  
51 114.4 8.9 48.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.339 min Scan# 24

Delta R.T. -0.000 min

Lab File: BM036828.D

Acq: 04 Oct 2022 14:43

Instrument :

BNA\_M

ClientSampleId :

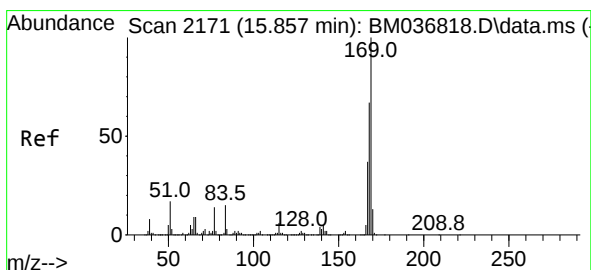
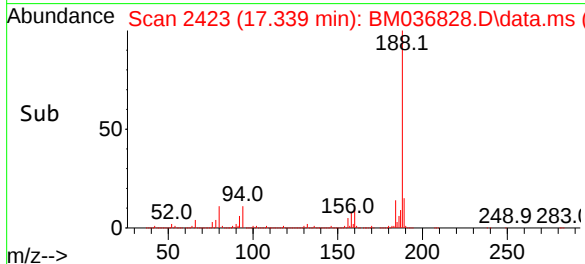
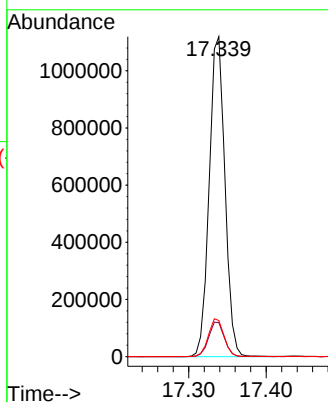
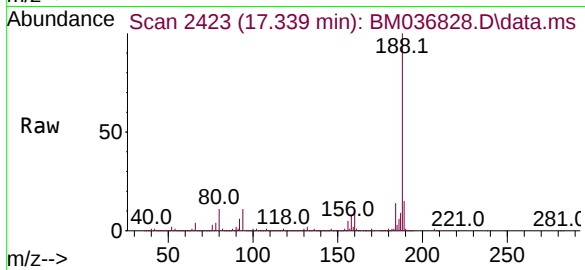
Tgt Ion:188 Resp: 1577690

Ion Ratio Lower Upper

188 100

94 10.6 9.4 14.0

80 11.3 10.2 15.4



#66

n-Nitrosodiphenylamine

Concen: 28.052 ng

RT: 15.851 min Scan# 2170

Delta R.T. -0.006 min

Lab File: BM036828.D

Acq: 04 Oct 2022 14:43

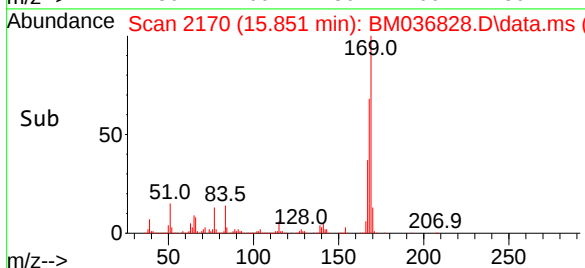
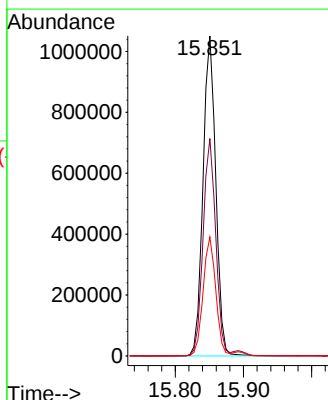
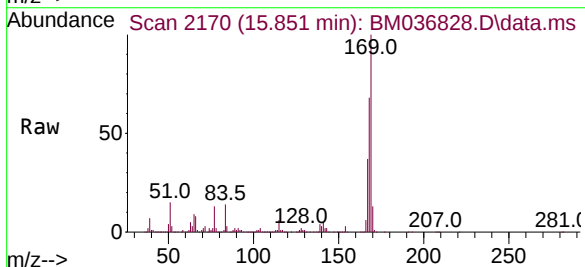
Tgt Ion:169 Resp: 1367353

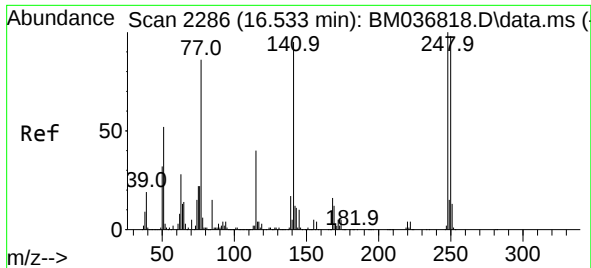
Ion Ratio Lower Upper

169 100

168 67.9 53.5 80.3

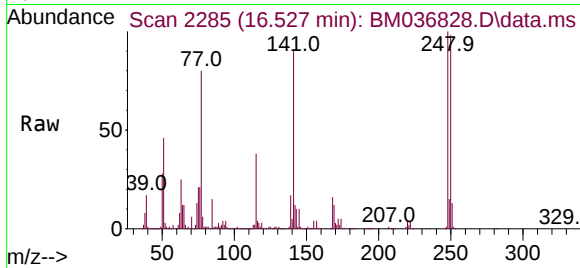
167 37.1 29.4 44.2



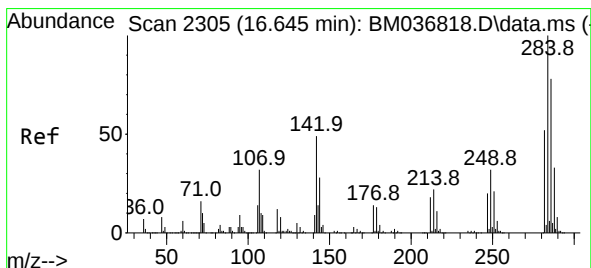
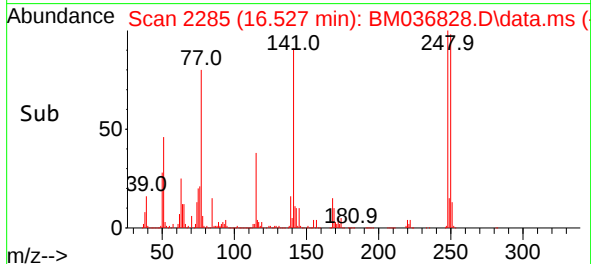
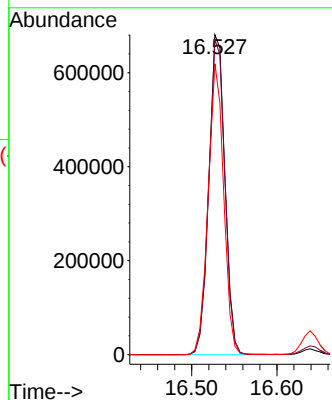


#67  
4-Bromophenyl-phenylether  
Concen: 61.463 ng  
RT: 16.527 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BM036828.D  
Acq: 04 Oct 2022 14:43

Instrument :  
BNA\_M  
ClientSampleId :

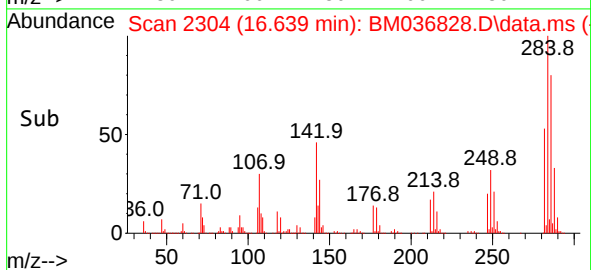
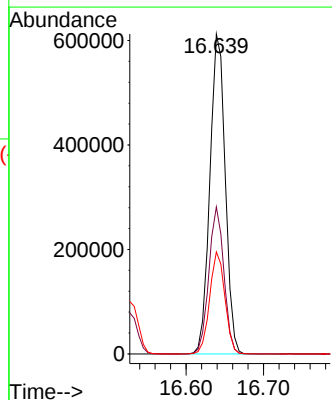
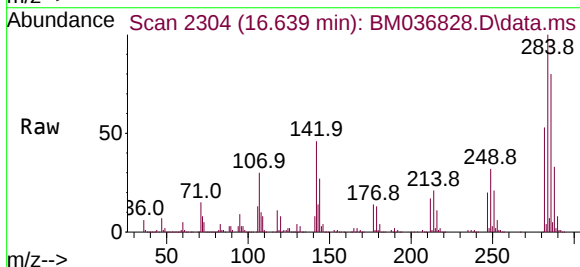


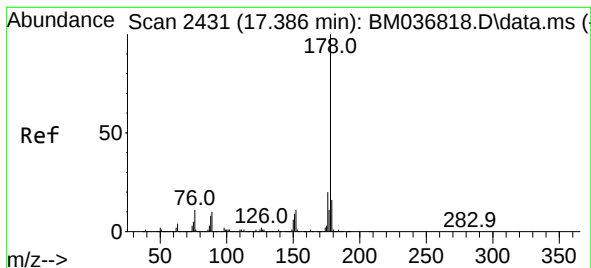
Tgt Ion:248 Resp: 894215  
Ion Ratio Lower Upper  
248 100  
250 98.5 78.6 117.8  
141 90.9 75.8 113.6



#68  
Hexachlorobenzene  
Concen: 52.298 ng  
RT: 16.639 min Scan# 2304  
Delta R.T. -0.006 min  
Lab File: BM036828.D  
Acq: 04 Oct 2022 14:43

Tgt Ion:284 Resp: 842555  
Ion Ratio Lower Upper  
284 100  
142 45.9 39.4 59.0  
249 31.9 25.9 38.9





#71

Phenanthrene

Concen: 56.011 ng

RT: 17.380 min Scan# 2431

Delta R.T. -0.006 min

Lab File: BM036828.D

Acq: 04 Oct 2022 14:43

Instrument :

BNA\_M

ClientSampleId :

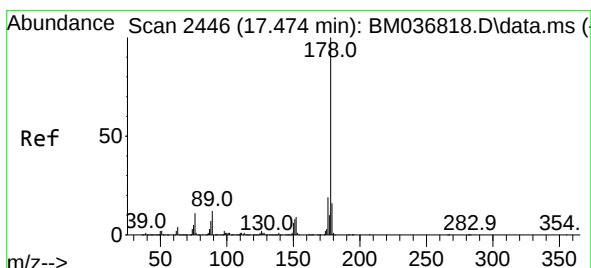
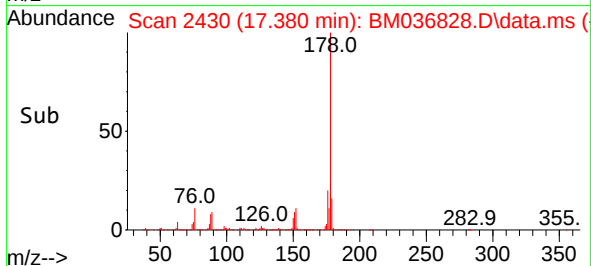
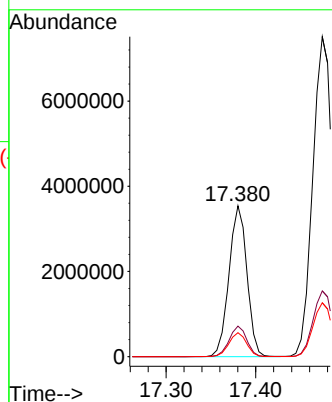
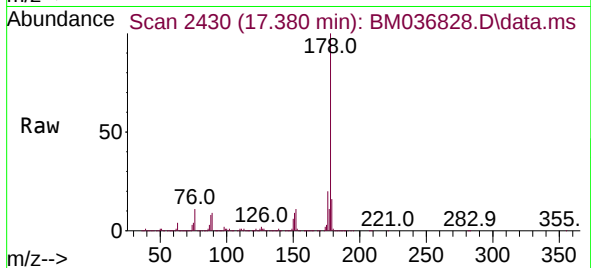
Tgt Ion:178 Resp: 4947330

Ion Ratio Lower Upper

178 100

176 20.2 16.2 24.2

179 15.9 12.6 18.8



#72

Anthracene

Concen: 133.490 ng

RT: 17.474 min Scan# 2446

Delta R.T. -0.000 min

Lab File: BM036828.D

Acq: 04 Oct 2022 14:43

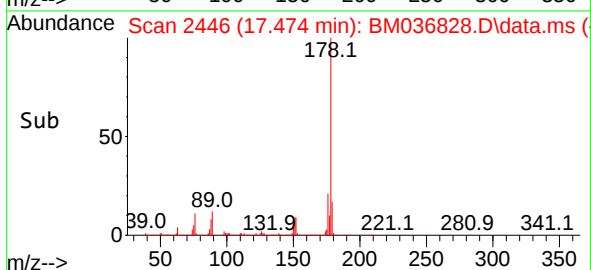
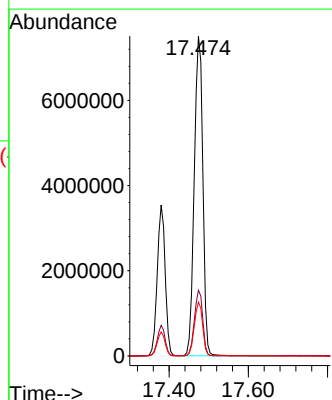
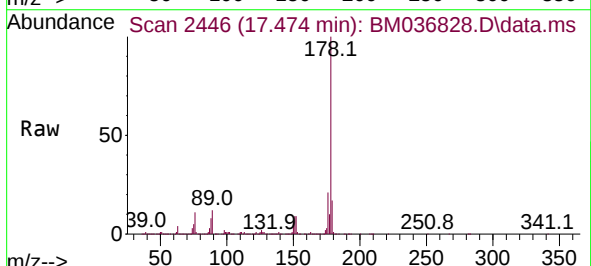
Tgt Ion:178 Resp:11243219

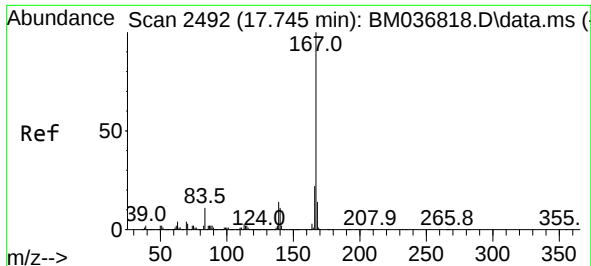
Ion Ratio Lower Upper

178 100

176 20.5 15.4 23.2

179 16.8 12.5 18.7

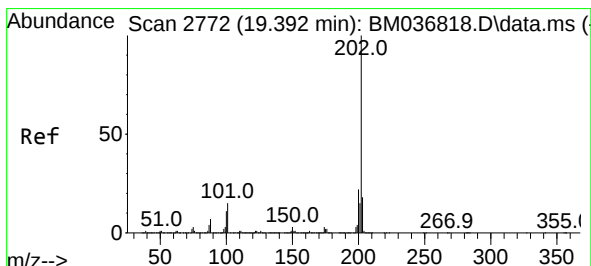
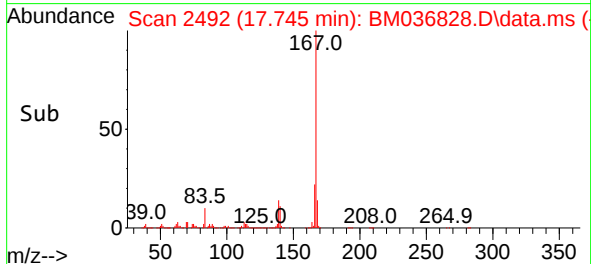
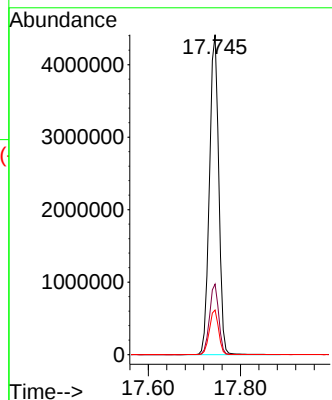
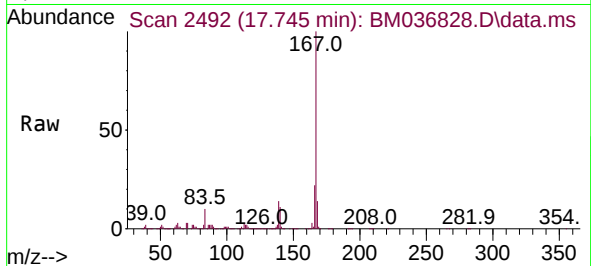




#73  
 Carbazole  
 Concen: 78.203 ng  
 RT: 17.745 min Scan# 2492  
 Delta R.T. -0.000 min  
 Lab File: BM036828.D  
 Acq: 04 Oct 2022 14:43

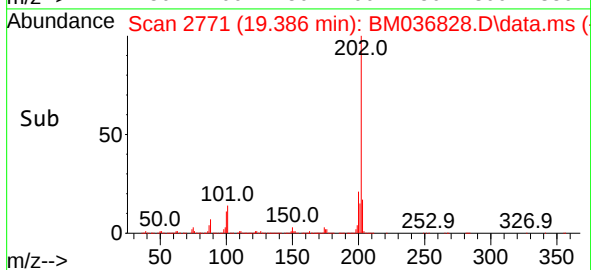
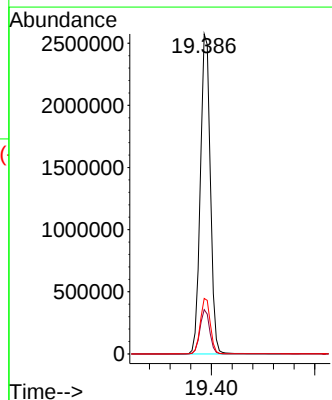
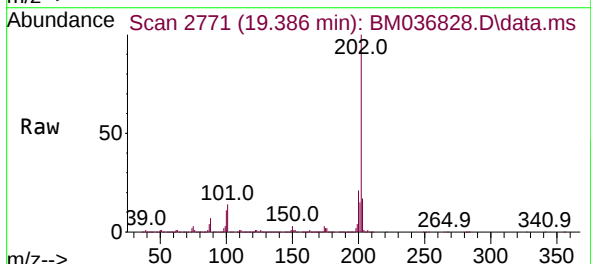
Instrument :  
 BNA\_M  
 ClientSampleId :

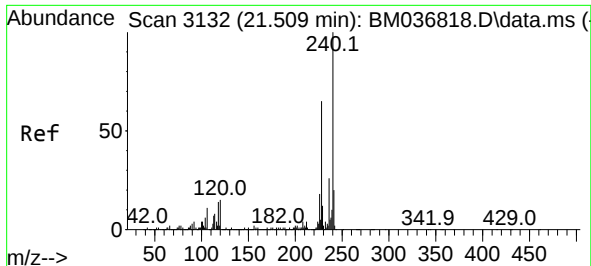
Tgt Ion:167 Resp: 6147798  
 Ion Ratio Lower Upper  
 167 100  
 166 22.0 17.3 25.9  
 139 13.9 11.4 17.2



#75  
 Fluoranthene  
 Concen: 37.880 ng  
 RT: 19.386 min Scan# 2771  
 Delta R.T. -0.006 min  
 Lab File: BM036828.D  
 Acq: 04 Oct 2022 14:43

Tgt Ion:202 Resp: 3442507  
 Ion Ratio Lower Upper  
 202 100  
 101 13.8 0.0 34.5  
 203 17.3 0.0 37.7

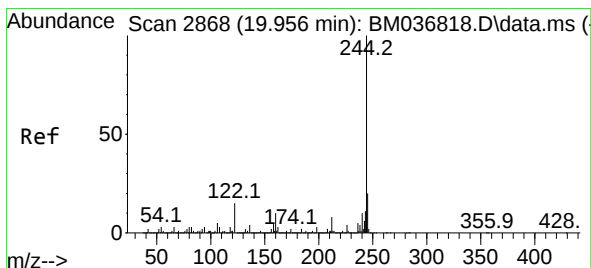
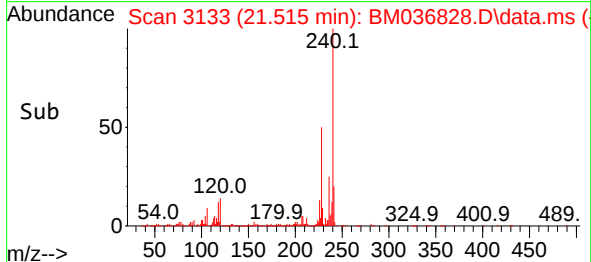
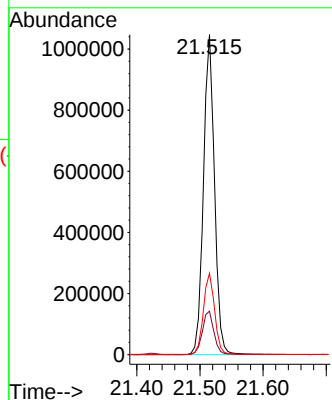
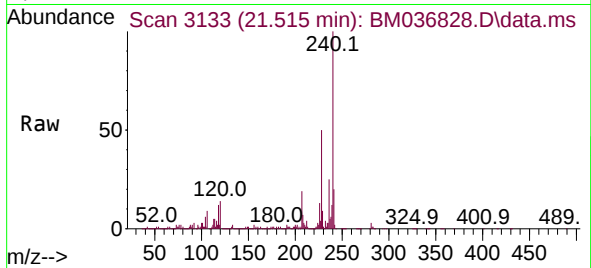




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.515 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: BM036828.D  
Acq: 04 Oct 2022 14:43

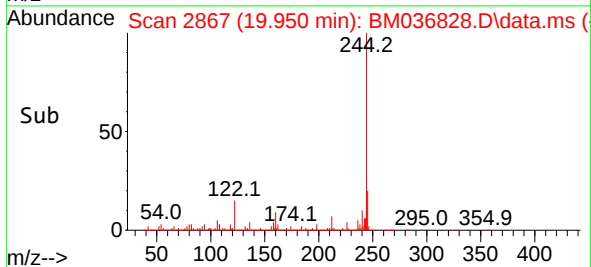
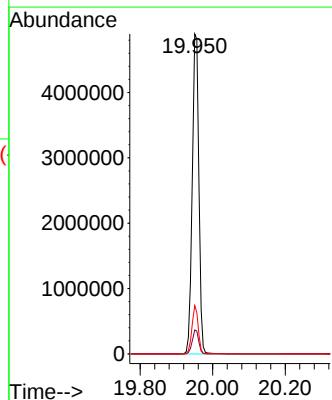
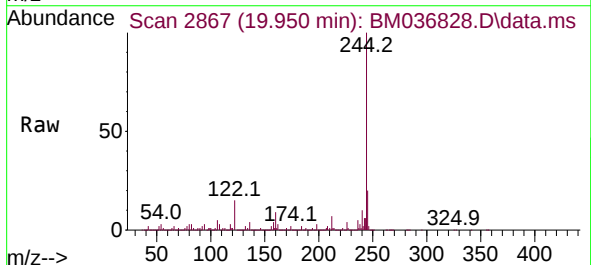
Instrument :  
BNA\_M  
ClientSampleId :

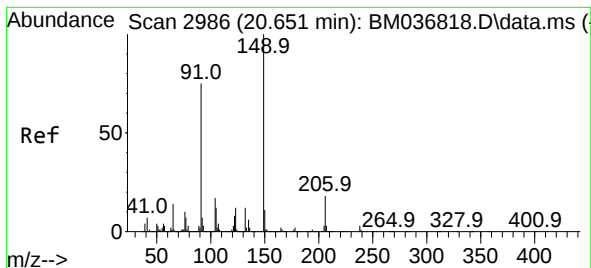
Tgt Ion:240 Resp: 1269497  
Ion Ratio Lower Upper  
240 100  
120 13.6 12.1 18.1  
236 25.4 20.8 31.2



#79  
Terphenyl-d14  
Concen: 96.891 ng  
RT: 19.950 min Scan# 2867  
Delta R.T. -0.006 min  
Lab File: BM036828.D  
Acq: 04 Oct 2022 14:43

Tgt Ion:244 Resp: 6173604  
Ion Ratio Lower Upper  
244 100  
212 7.5 6.3 9.5  
122 15.1 12.0 18.0





#80

Butylbenzylphthalate

Concen: 3.311 ng

RT: 20.645 min Scan# 29

Delta R.T. -0.006 min

Lab File: BM036828.D

Acq: 04 Oct 2022 14:43

Instrument :

BNA\_M

ClientSampleId :

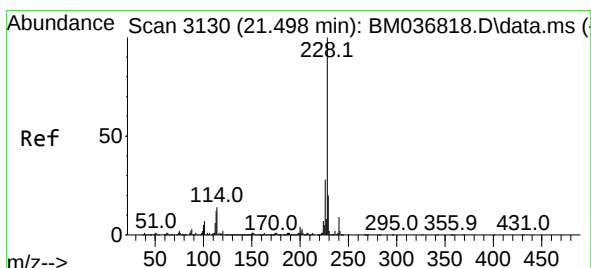
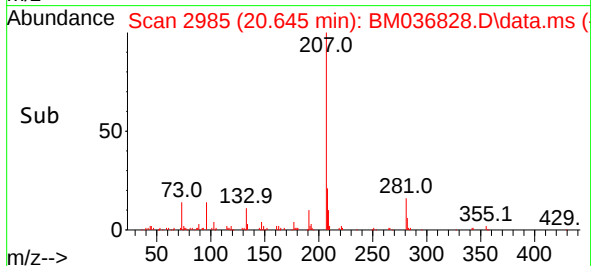
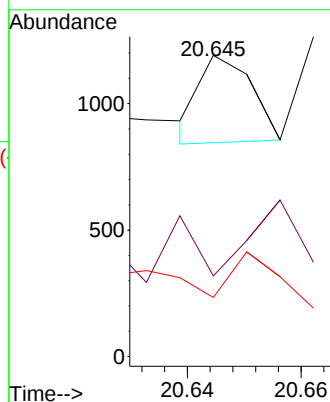
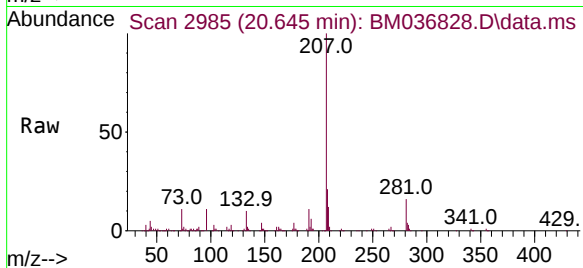
Tgt Ion:149 Resp: 218

Ion Ratio Lower Upper

149 100

91 26.8 60.4 90.6#

206 19.6 14.4 21.6



#81

Benzo(a)anthracene

Concen: 86.662 ng

RT: 21.497 min Scan# 3130

Delta R.T. -0.000 min

Lab File: BM036828.D

Acq: 04 Oct 2022 14:43

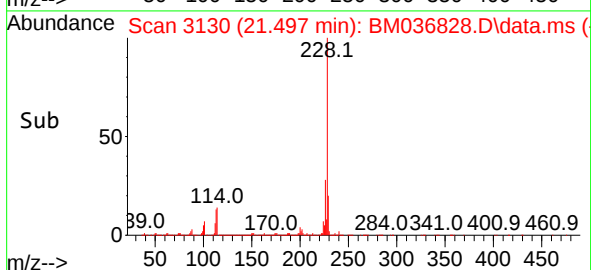
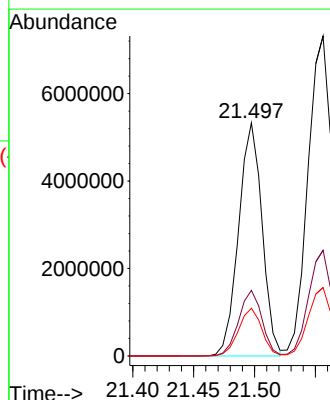
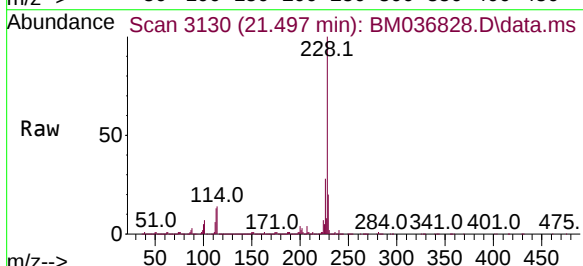
Tgt Ion:228 Resp: 7145801

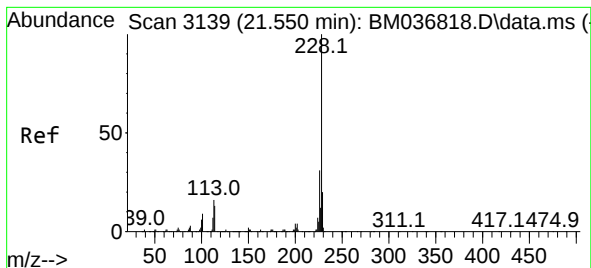
Ion Ratio Lower Upper

228 100

226 28.1 22.2 33.2

229 20.4 15.9 23.9





#83

Chrysene

Concen: 125.826 ng

RT: 21.556 min Scan# 31

Delta R.T. 0.006 min

Lab File: BM036828.D

Acq: 04 Oct 2022 14:43

Instrument :

BNA\_M

ClientSampleId :

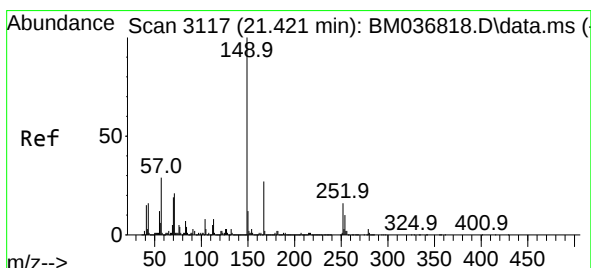
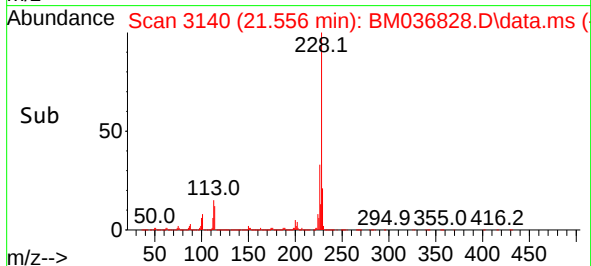
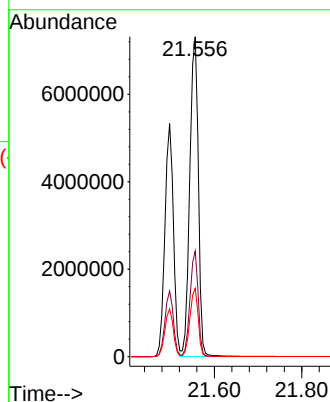
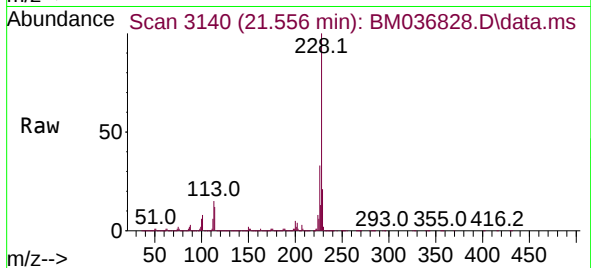
Tgt Ion:228 Resp: 9993128

Ion Ratio Lower Upper

228 100

226 33.0 24.6 36.8

229 21.4 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 108.745 ng

RT: 21.421 min Scan# 3117

Delta R.T. -0.000 min

Lab File: BM036828.D

Acq: 04 Oct 2022 14:43

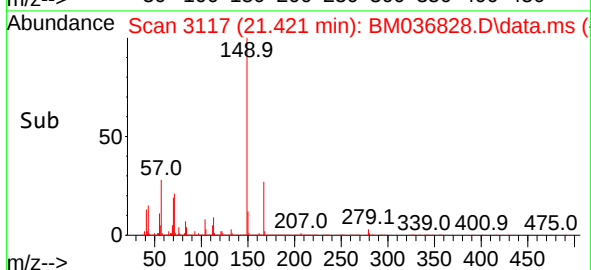
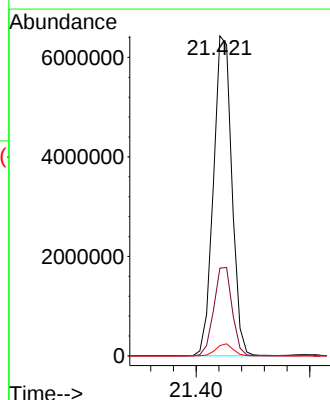
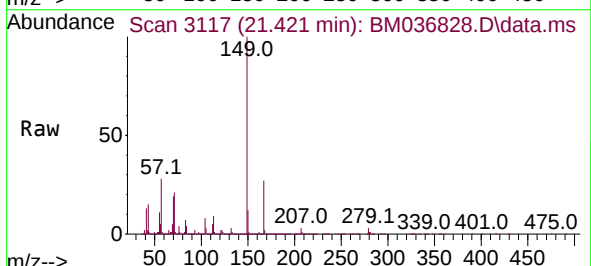
Tgt Ion:149 Resp: 7239612

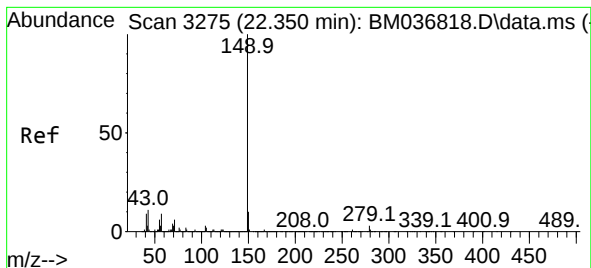
Ion Ratio Lower Upper

149 100

167 27.4 21.3 31.9

279 3.3 2.4 3.6





#85

Di-n-octyl phthalate

Concen: 85.909 ng

RT: 22.356 min Scan# 31

Delta R.T. 0.006 min

Lab File: BM036828.D

Acq: 04 Oct 2022 14:43

Instrument :

BNA\_M

ClientSampleId :

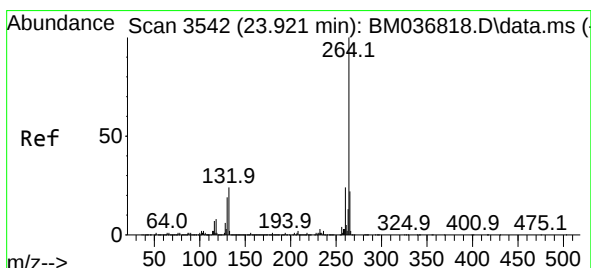
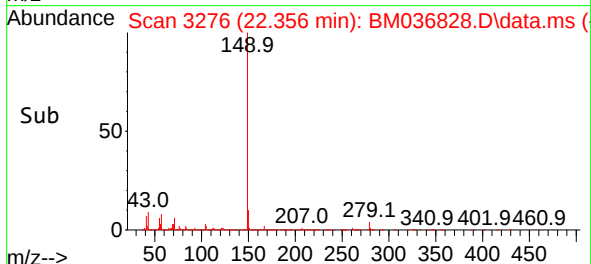
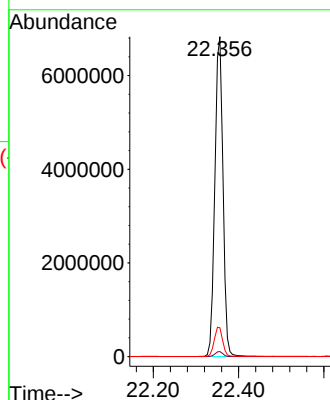
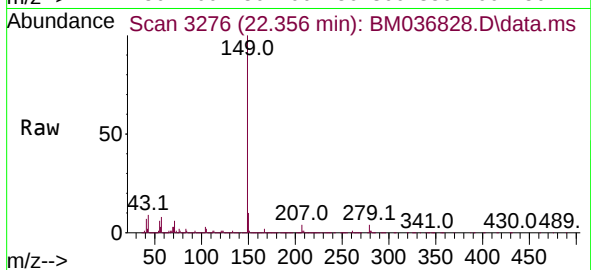
Tgt Ion:149 Resp: 9015201

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 9.7 8.9 13.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.927 min Scan# 3543

Delta R.T. 0.006 min

Lab File: BM036828.D

Acq: 04 Oct 2022 14:43

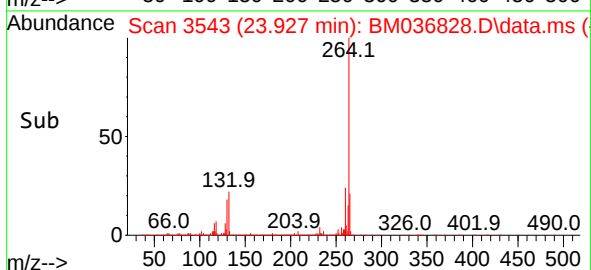
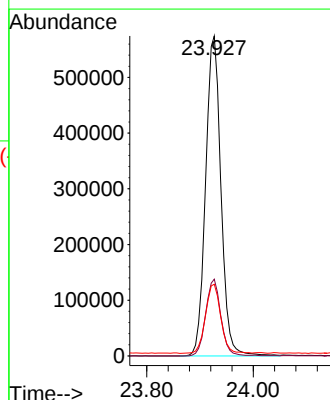
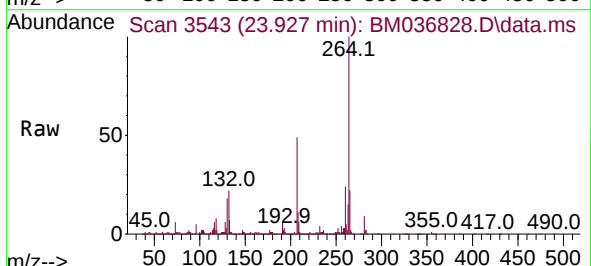
Tgt Ion:264 Resp: 1149094

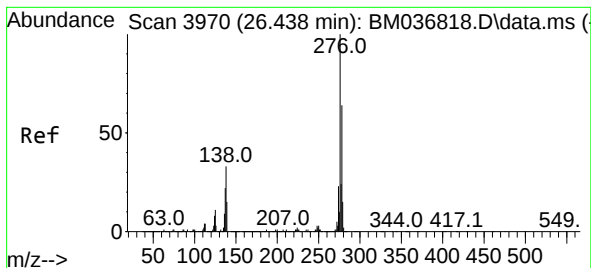
Ion Ratio Lower Upper

264 100

260 24.0 19.3 28.9

265 22.4 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 114.404 ng

RT: 26.456 min Scan# 3973

Delta R.T. 0.018 min

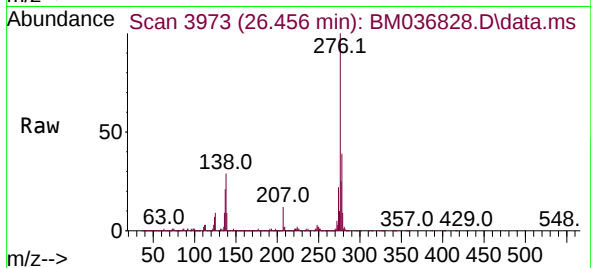
Lab File: BM036828.D

Acq: 04 Oct 2022 14:43

Instrument :

BNA\_M

ClientSampleId :



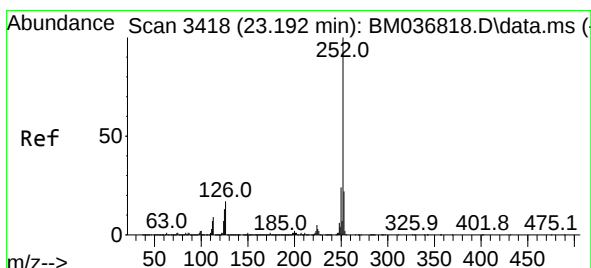
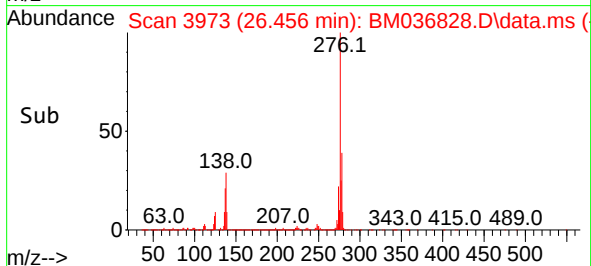
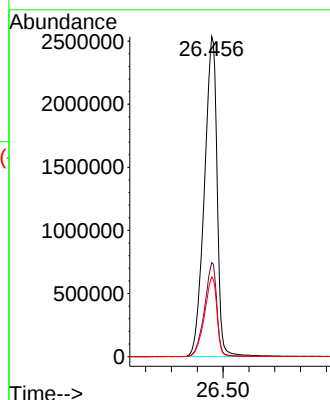
Tgt Ion:276 Resp: 8681663

Ion Ratio Lower Upper

276 100

138 28.3 27.5 41.3

277 24.5 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 149.207 ng

RT: 23.250 min Scan# 3428

Delta R.T. 0.059 min

Lab File: BM036828.D

Acq: 04 Oct 2022 14:43

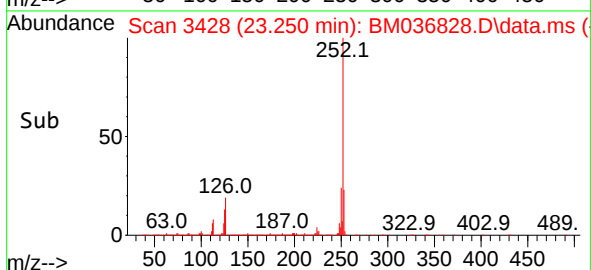
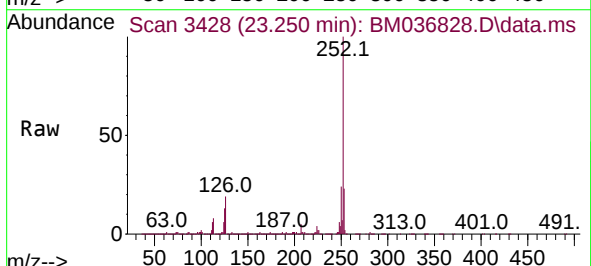
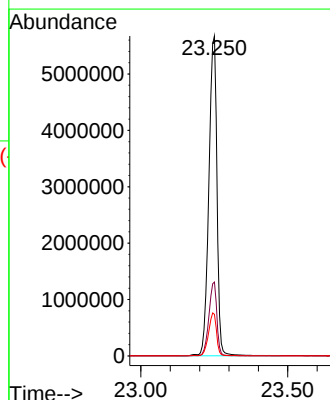
Tgt Ion:252 Resp:10865060

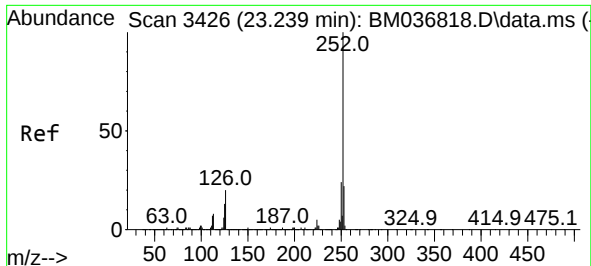
Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 13.0 10.5 15.7

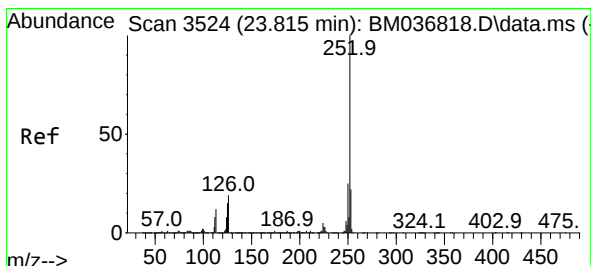
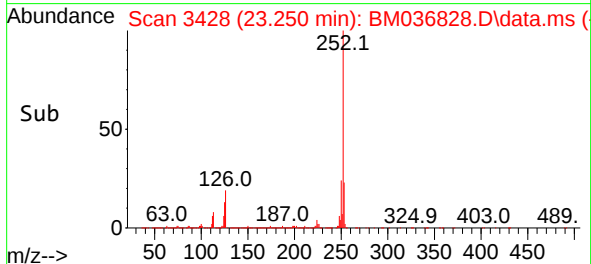
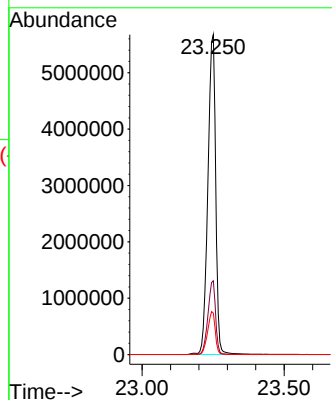
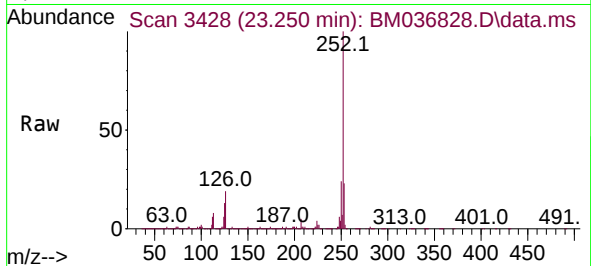




#89  
Benzo(k)fluoranthene  
Concen: 145.052 ng  
RT: 23.250 min Scan# 34  
Delta R.T. 0.012 min  
Lab File: BM036828.D  
Acq: 04 Oct 2022 14:43

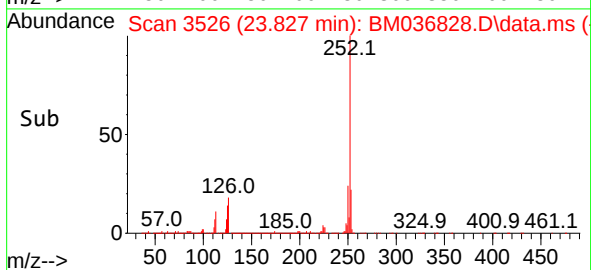
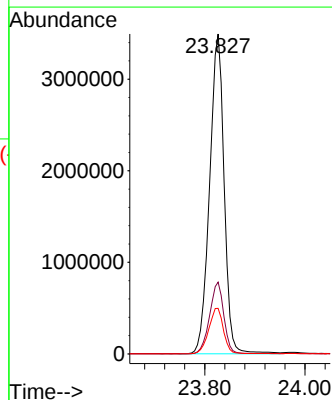
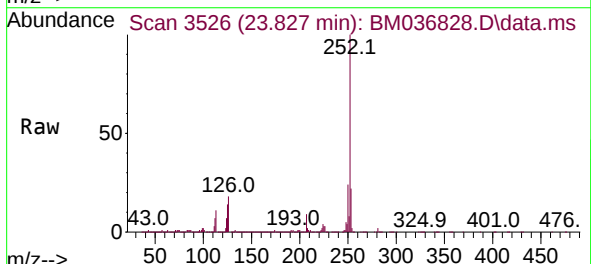
Instrument :  
BNA\_M  
ClientSampleId :

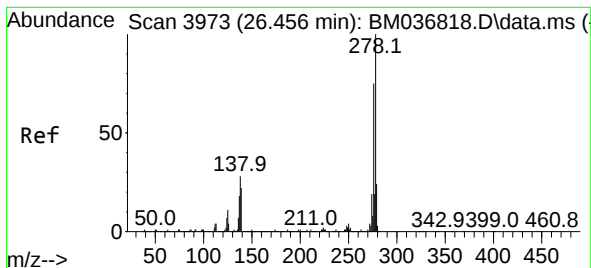
Tgt Ion:252 Resp:10867764  
Ion Ratio Lower Upper  
252 100  
253 23.1 17.5 26.3  
125 13.0 10.9 16.3



#90  
Benzo(a)pyrene  
Concen: 120.045 ng  
RT: 23.827 min Scan# 3526  
Delta R.T. 0.012 min  
Lab File: BM036828.D  
Acq: 04 Oct 2022 14:43

Tgt Ion:252 Resp: 7030252  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.6 26.4  
125 14.2 12.5 18.7





#91

Dibenzo(a,h)anthracene

Concen: 44.616 ng

RT: 26.468 min Scan# 39

Delta R.T. 0.012 min

Lab File: BM036828.D

Acq: 04 Oct 2022 14:43

Instrument :

BNA\_M

ClientSampleId :

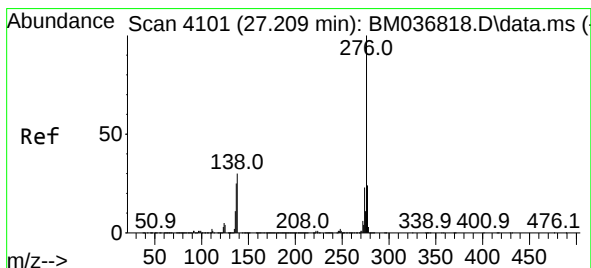
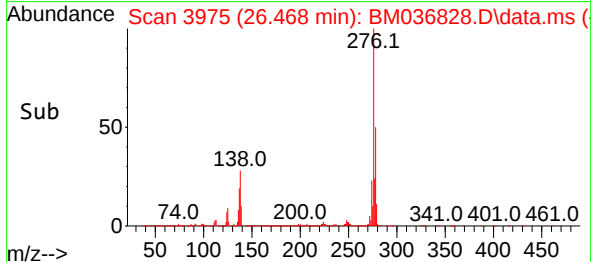
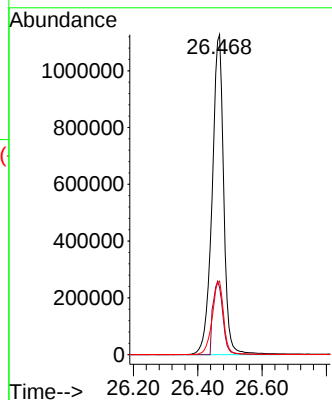
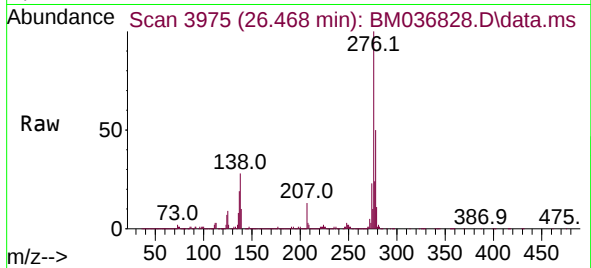
Tgt Ion:278 Resp: 2820496

Ion Ratio Lower Upper

278 100

139 21.0 17.4 26.2

279 23.0 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 31.316 ng

RT: 27.203 min Scan# 4100

Delta R.T. -0.006 min

Lab File: BM036828.D

Acq: 04 Oct 2022 14:43

Tgt Ion:276 Resp: 1922065

Ion Ratio Lower Upper

276 100

277 23.9 19.0 28.4

138 28.5 23.6 35.4

