

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051722\  
 Data File : BF128298.D  
 Acq On : 17 May 2022 18:42  
 Operator : CG\JU  
 Sample : N2879-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP1-0516

Quant Time: May 18 01:34:35 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF050922.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 18 01:31:11 2022  
 Response via : Initial Calibration

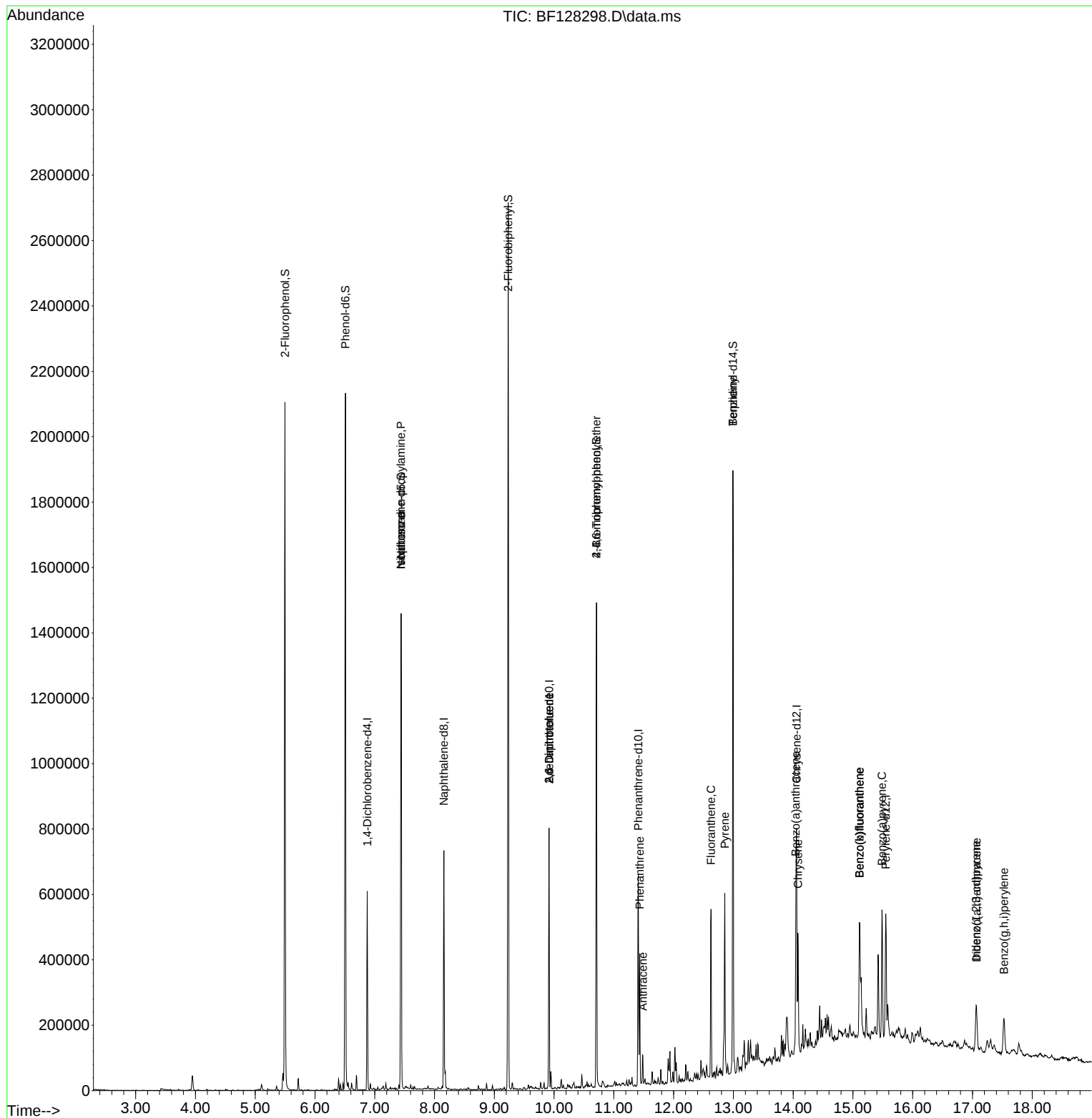
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 75781    | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 284104   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.916  | 164  | 145186   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 222835   | 20.000    | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.057 | 240  | 179517   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 15.551 | 264  | 171201   | 20.000    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 500510   | 105.288   | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 660066   | 104.980   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.439  | 82   | 477867   | 75.685    | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 156557   | 94.022    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 736355   | 79.358    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 614729   | 64.255    | ng    | -0.01    |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.428  | 77   | 935      | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.439  | 70   | 65350    | 16.877    | ng    | # 82     |
| 25) Isophorone                | 7.439  | 82   | 477862   | 48.275    | ng    | # 68     |
| 51) 2,6-Dinitrotoluene        | 9.916  | 165  | 18870    | 9.181     | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 9.916  | 165  | 18870    | 6.866     | ng    | # 26     |
| 67) 4-Bromophenyl-phenylether | 10.710 | 248  | 9272     | 3.868     | ng    | # 1      |
| 71) Phenanthrene              | 11.433 | 178  | 139316   | 12.556    | ng    | 99       |
| 72) Anthracene                | 11.486 | 178  | 36350    | 3.281     | ng    | 98       |
| 75) Fluoranthene              | 12.627 | 202  | 196523   | 16.337    | ng    | 97       |
| 77) Benzidine                 | 12.992 | 184  | 9659     | 2.484     | ng    | # 91     |
| 78) Pyrene                    | 12.857 | 202  | 214717   | 16.496    | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.045 | 228  | 154882   | 13.508    | ng    | 99       |
| 83) Chrysene                  | 14.080 | 228  | 139450   | 12.746    | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.062 | 276  | 91460    | 8.831     | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.110 | 252  | 283252   | 26.690    | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.110 | 252  | 283252   | 27.038    | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.486 | 252  | 181693   | 21.206    | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.068 | 278  | 27388    | 3.267     | ng    | # 84     |
| 92) Benzo(g,h,i)perylene      | 17.527 | 276  | 93123    | 10.969    | ng    | 96       |
| -----                         |        |      |          |           |       |          |

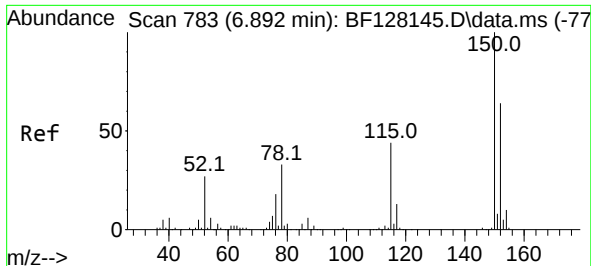
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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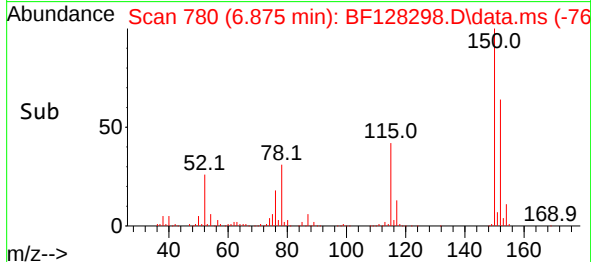
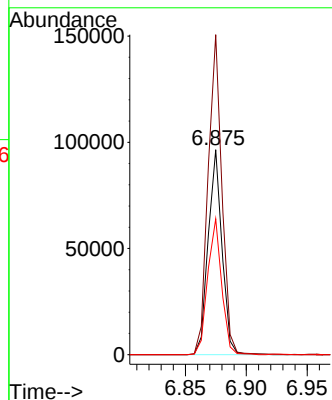
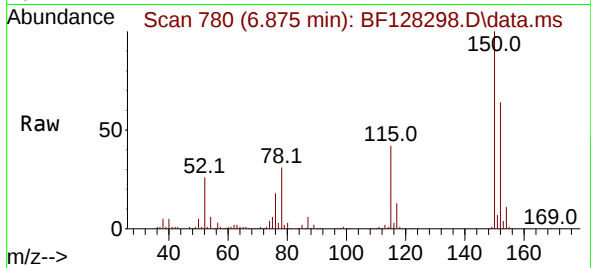




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.875 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF128298.D  
Acq: 17 May 2022 18:42

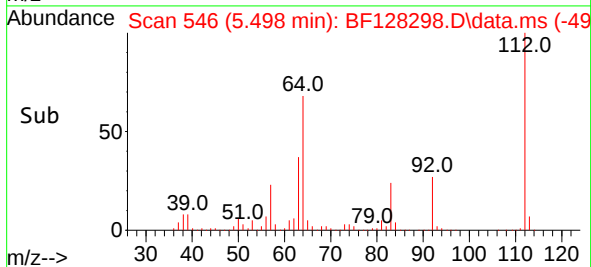
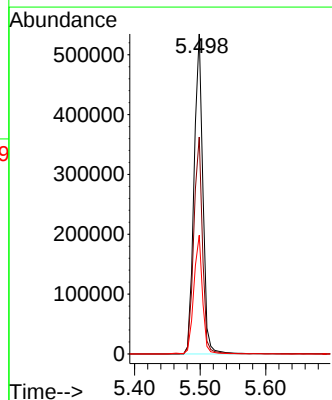
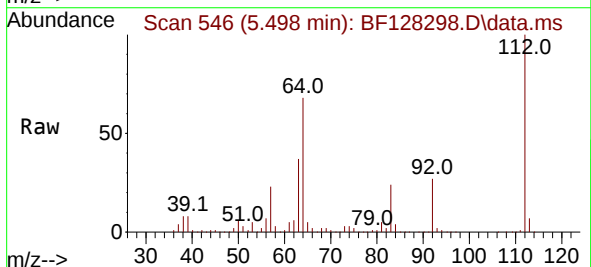
Instrument :  
BNA\_F  
ClientSampleId :  
TP1-0516

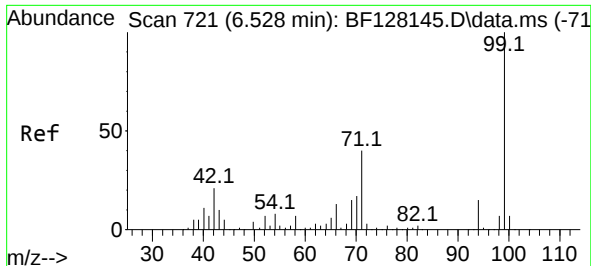
Tgt Ion:152 Resp: 75781  
Ion Ratio Lower Upper  
152 100  
150 156.2 125.3 187.9  
115 66.3 48.8 73.2



#5  
2-Fluorophenol  
Concen: 105.288 ng  
RT: 5.498 min Scan# 546  
Delta R.T. 0.000 min  
Lab File: BF128298.D  
Acq: 17 May 2022 18:42

Tgt Ion:112 Resp: 500510  
Ion Ratio Lower Upper  
112 100  
64 67.8 49.5 74.3  
63 37.1 26.3 39.5

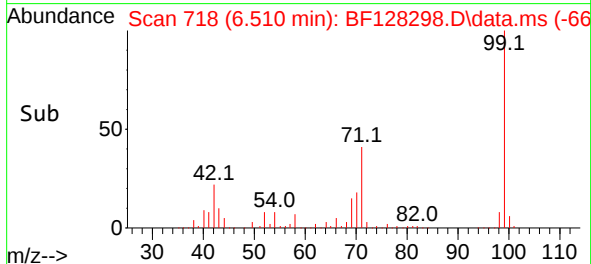
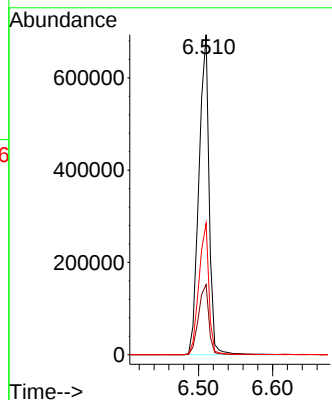
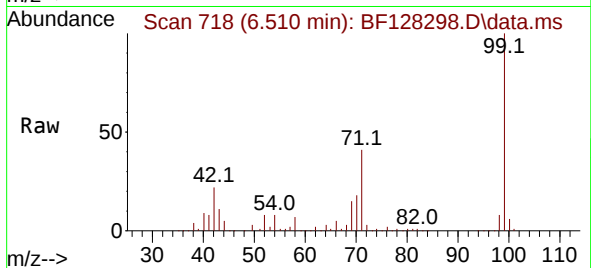




#7  
Phenol-d6  
Concen: 104.980 ng  
RT: 6.510 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF128298.D  
Acq: 17 May 2022 18:42

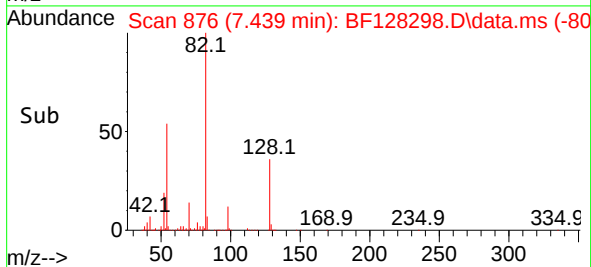
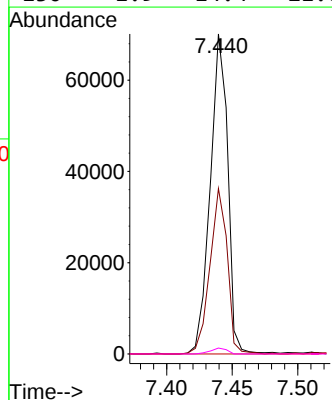
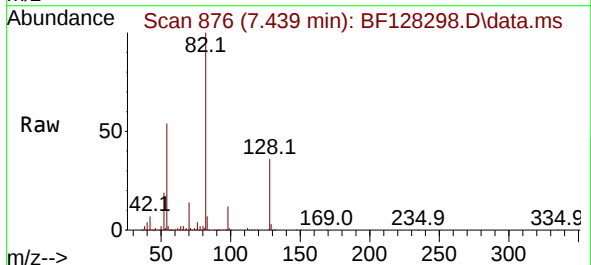
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ClientSampleId :  
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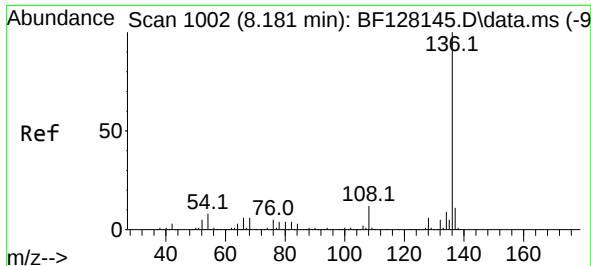
Tgt Ion: 99 Resp: 660066  
Ion Ratio Lower Upper  
99 100  
42 21.9 16.6 24.8  
71 41.0 30.0 45.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.877 ng  
RT: 7.439 min Scan# 876  
Delta R.T. 0.141 min  
Lab File: BF128298.D  
Acq: 17 May 2022 18:42

Tgt Ion: 70 Resp: 65350  
Ion Ratio Lower Upper  
70 100  
42 51.7 48.7 73.1  
101 0.0 7.2 10.8#  
130 1.9 14.4 21.6#

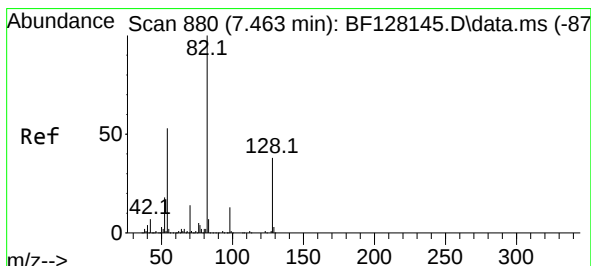
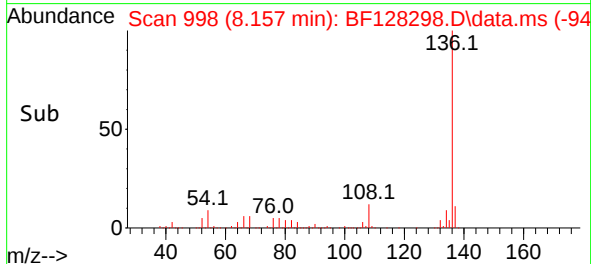
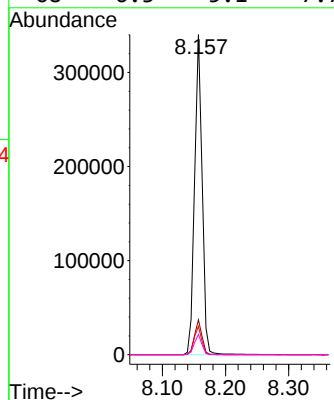
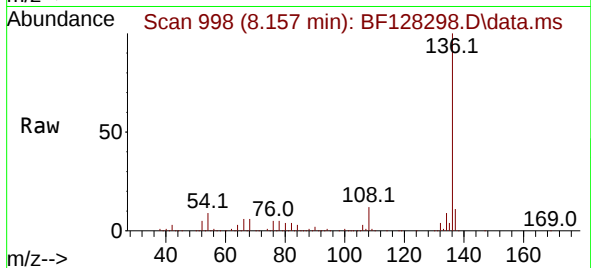




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF128298.D  
Acq: 17 May 2022 18:42

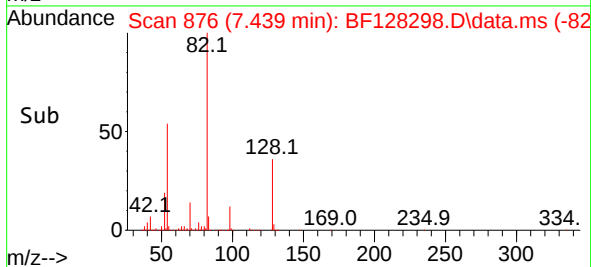
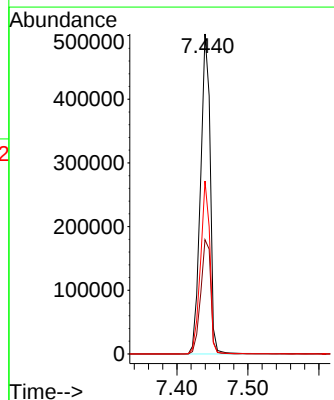
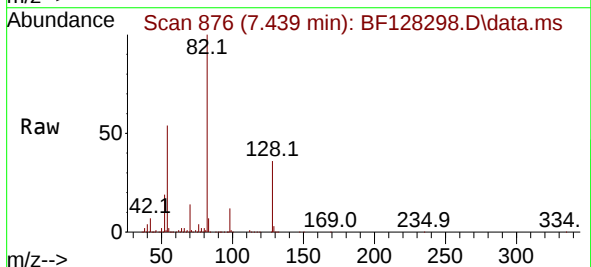
Instrument :  
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TP1-0516

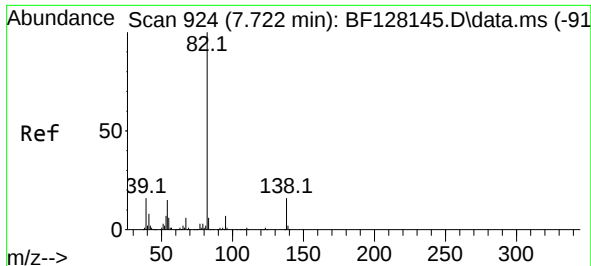
Tgt Ion:136 Resp: 284104  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 13.0  
54 8.8 6.8 10.2  
68 6.3 5.1 7.7



#23  
Nitrobenzene-d5  
Concen: 75.685 ng  
RT: 7.439 min Scan# 876  
Delta R.T. -0.012 min  
Lab File: BF128298.D  
Acq: 17 May 2022 18:42

Tgt Ion: 82 Resp: 477867  
Ion Ratio Lower Upper  
82 100  
128 35.7 30.0 45.0  
54 54.1 41.3 61.9

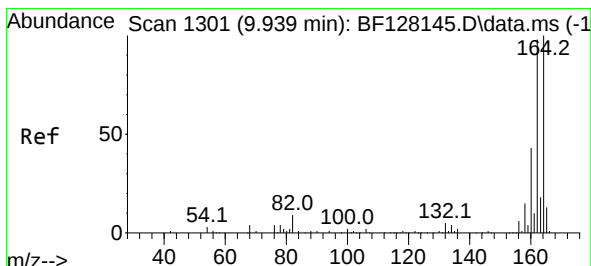
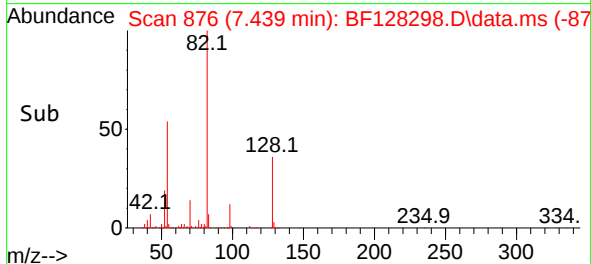
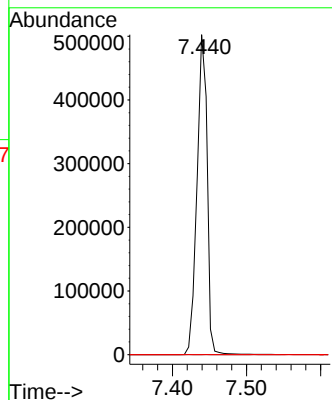
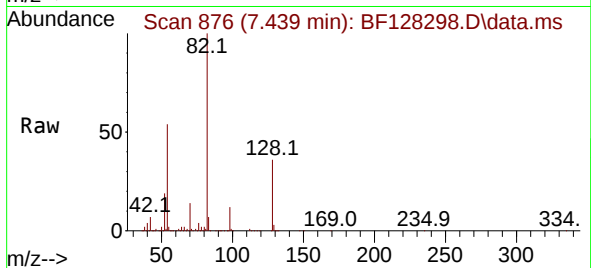




#25  
Isophorone  
Concen: 48.275 ng  
RT: 7.439 min Scan# 81  
Delta R.T. -0.265 min  
Lab File: BF128298.D  
Acq: 17 May 2022 18:42

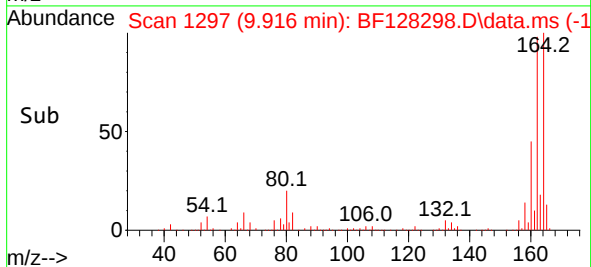
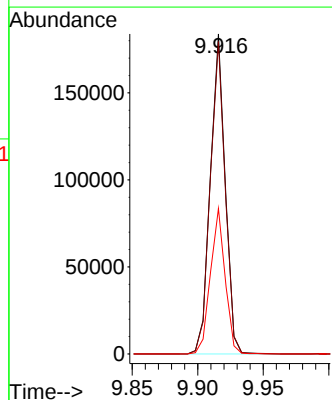
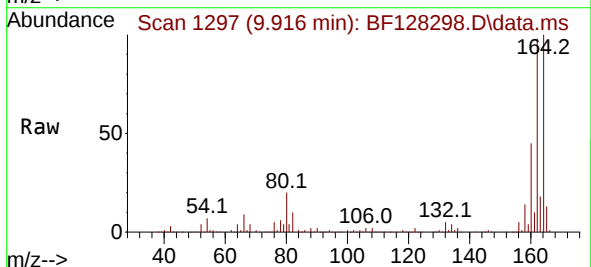
Instrument :  
BNA\_F  
ClientSampleId :  
TP1-0516

Tgt Ion: 82 Resp: 477862  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.6 8.4#  
138 0.0 12.5 18.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.916 min Scan# 1297  
Delta R.T. -0.006 min  
Lab File: BF128298.D  
Acq: 17 May 2022 18:42

Tgt Ion:164 Resp: 145186  
Ion Ratio Lower Upper  
164 100  
162 97.6 76.0 114.0  
160 45.4 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 94.022 ng

RT: 10.710 min Scan# 1436

Delta R.T. -0.006 min

Lab File: BF128298.D

Acq: 17 May 2022 18:42

Instrument :

BNA\_F

ClientSampleId :

TP1-0516

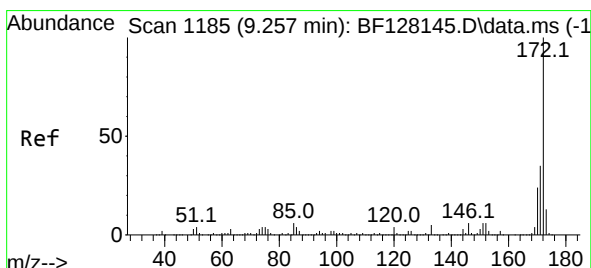
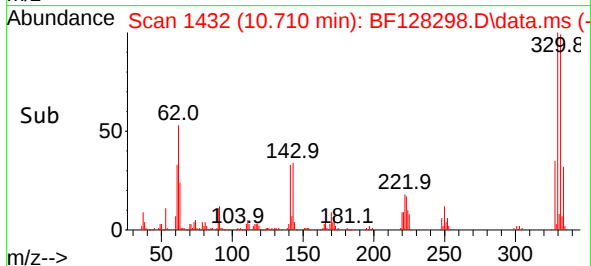
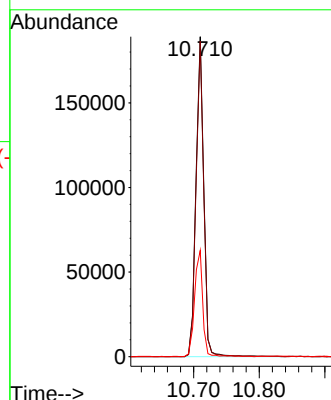
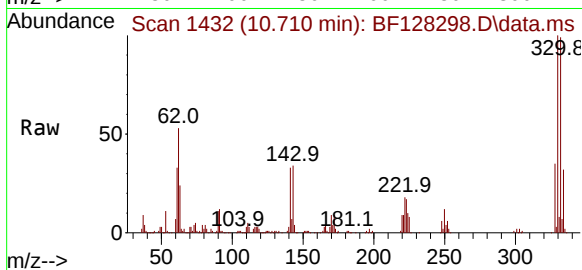
Tgt Ion:330 Resp: 156557

Ion Ratio Lower Upper

330 100

332 96.8 79.0 118.4

141 35.1 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 79.358 ng

RT: 9.233 min Scan# 1181

Delta R.T. -0.006 min

Lab File: BF128298.D

Acq: 17 May 2022 18:42

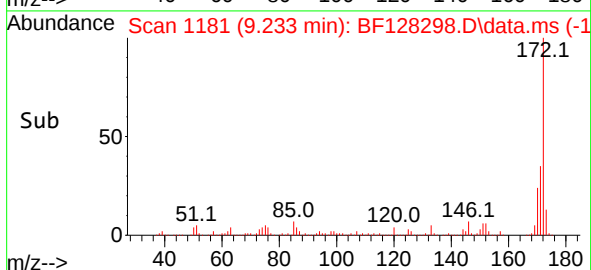
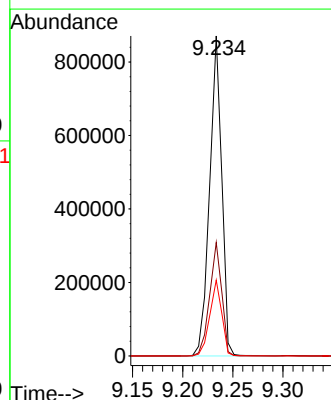
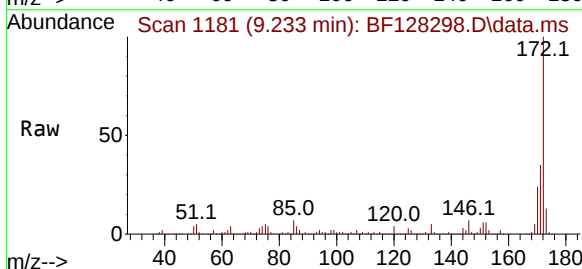
Tgt Ion:172 Resp: 736355

Ion Ratio Lower Upper

172 100

171 35.4 28.6 42.8

170 23.7 19.1 28.7

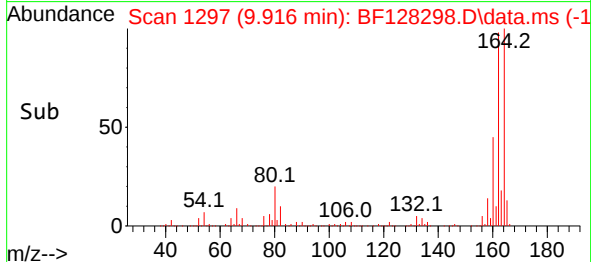
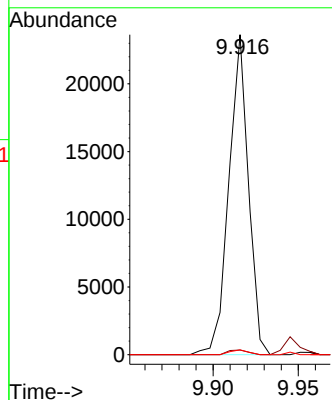
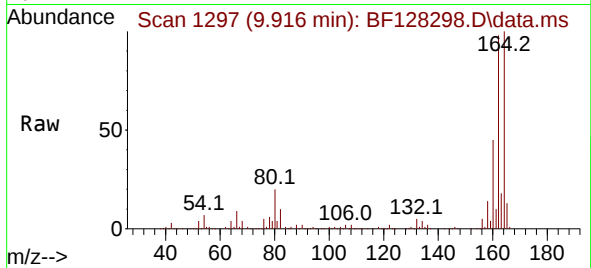




#51  
2,6-Dinitrotoluene  
Concen: 9.181 ng  
RT: 9.916 min Scan# 1297  
Delta R.T. 0.206 min  
Lab File: BF128298.D  
Acq: 17 May 2022 18:42

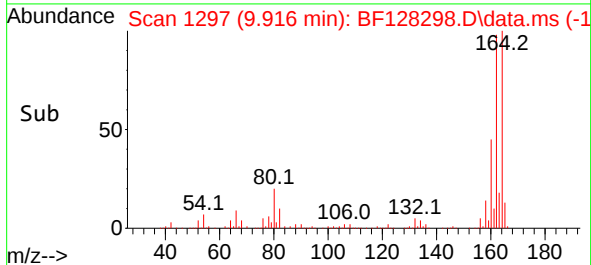
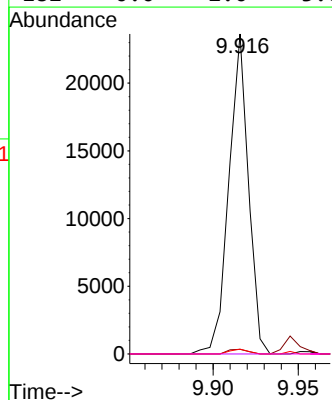
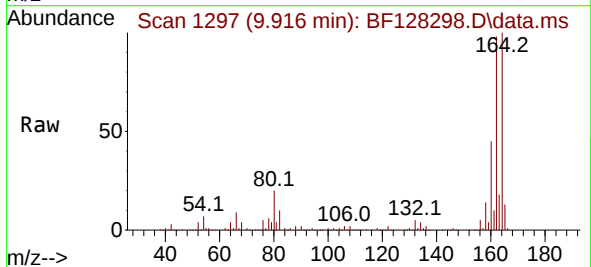
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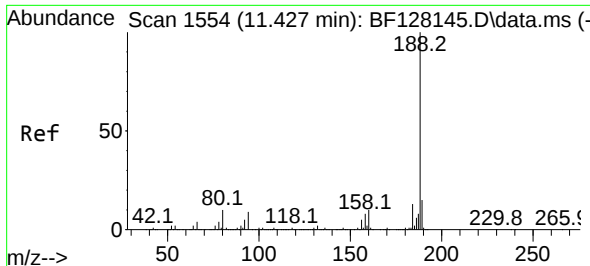
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Ion Ratio Lower Upper  
165 100  
63 1.4 49.5 74.3#  
89 1.5 49.0 73.4#



#57  
2,4-Dinitrotoluene  
Concen: 6.866 ng  
RT: 9.916 min Scan# 1297  
Delta R.T. -0.206 min  
Lab File: BF128298.D  
Acq: 17 May 2022 18:42

Tgt Ion:165 Resp: 18870  
Ion Ratio Lower Upper  
165 100  
63 1.4 32.6 49.0#  
89 1.5 55.2 82.8#  
182 0.0 2.0 3.0#

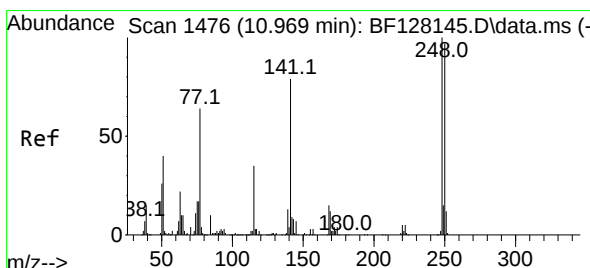
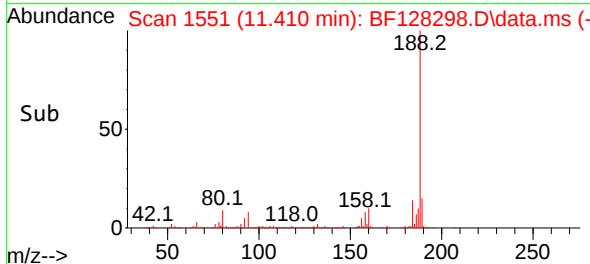
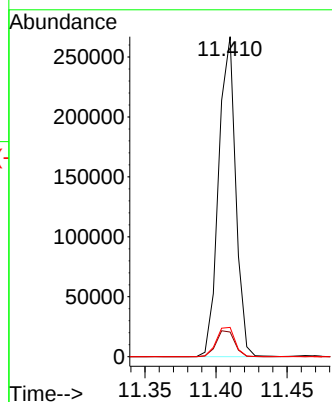
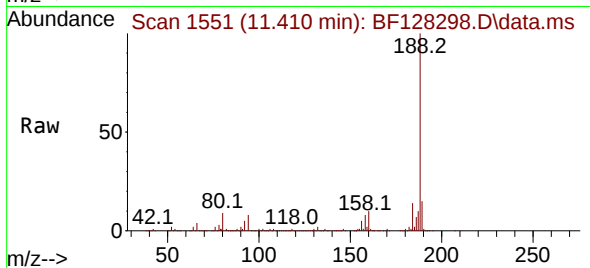




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF128298.D  
Acq: 17 May 2022 18:42

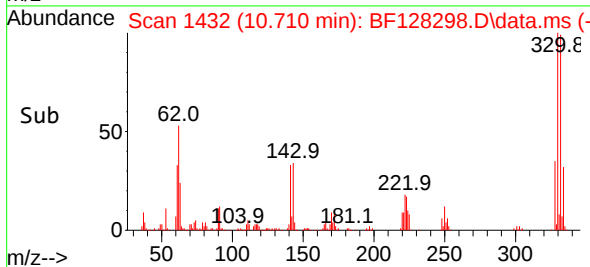
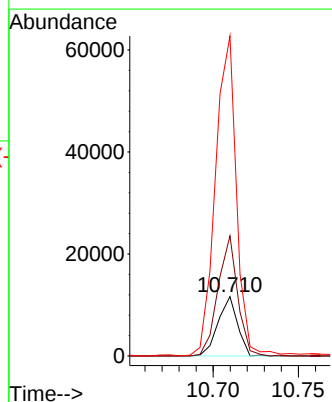
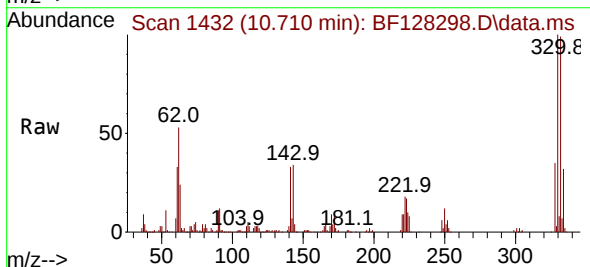
Instrument :  
BNA\_F  
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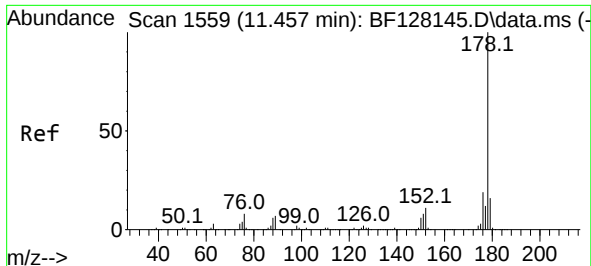
Tgt Ion:188 Resp: 222835  
Ion Ratio Lower Upper  
188 100  
94 7.7 8.0 12.0#  
80 9.1 8.9 13.3



#67  
4-Bromophenyl-phenylether  
Concen: 3.868 ng  
RT: 10.710 min Scan# 1432  
Delta R.T. -0.247 min  
Lab File: BF128298.D  
Acq: 17 May 2022 18:42

Tgt Ion:248 Resp: 9272  
Ion Ratio Lower Upper  
248 100  
250 202.5 77.7 116.5#  
141 539.7 65.6 98.4#

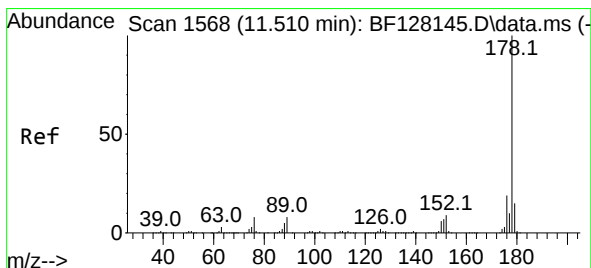
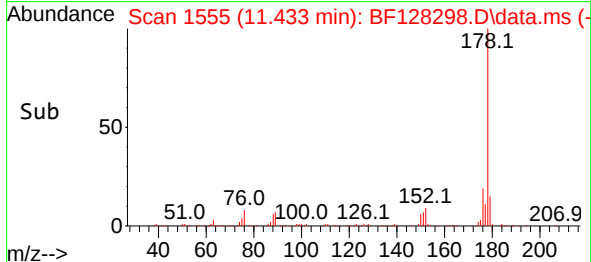
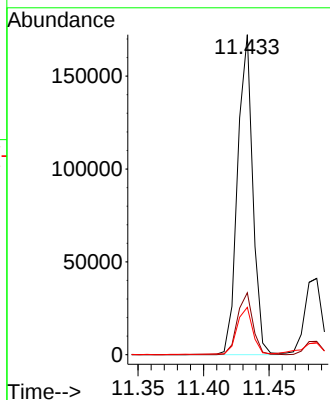
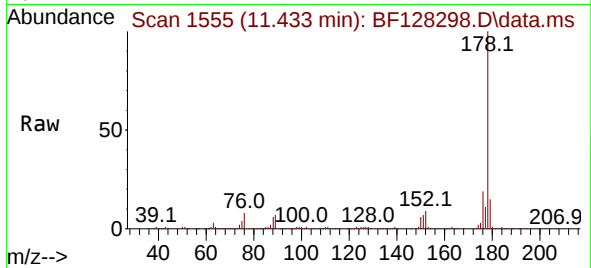




#71  
Phenanthrene  
Concen: 12.556 ng  
RT: 11.433 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF128298.D  
Acq: 17 May 2022 18:42

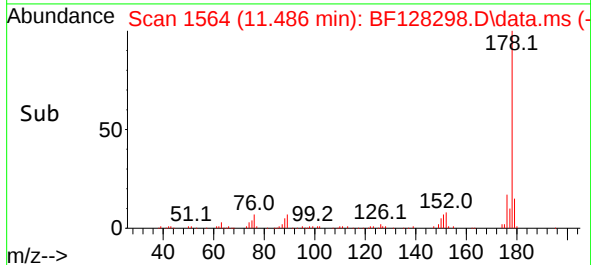
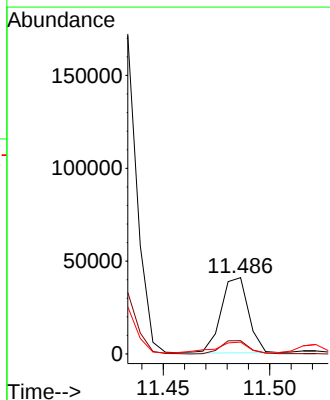
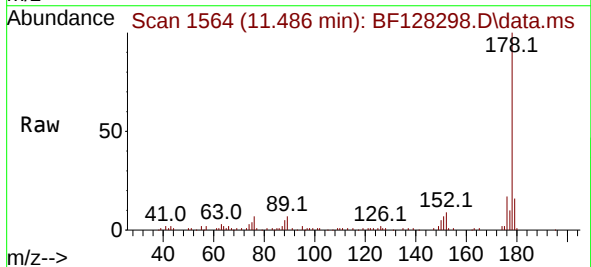
Instrument :  
BNA\_F  
ClientSampleId :  
TP1-0516

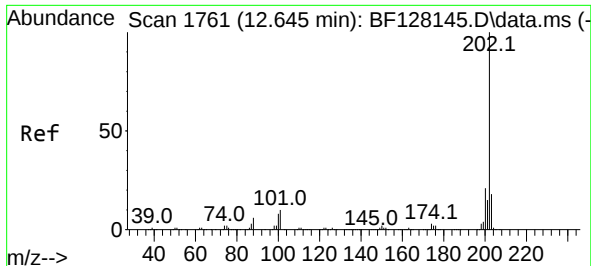
Tgt Ion:178 Resp: 139316  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.7 23.5  
179 14.8 12.6 19.0



#72  
Anthracene  
Concen: 3.281 ng  
RT: 11.486 min Scan# 1564  
Delta R.T. -0.006 min  
Lab File: BF128298.D  
Acq: 17 May 2022 18:42

Tgt Ion:178 Resp: 36350  
Ion Ratio Lower Upper  
178 100  
176 17.4 15.0 22.6  
179 15.5 12.4 18.6

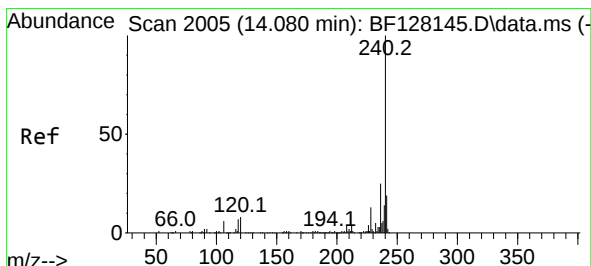
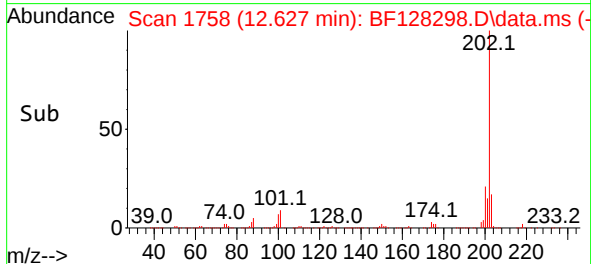
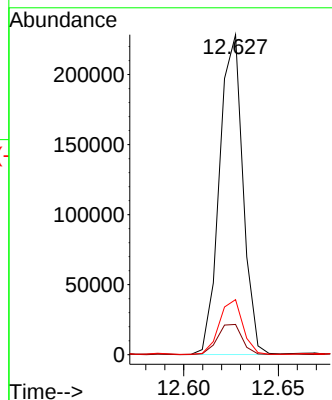
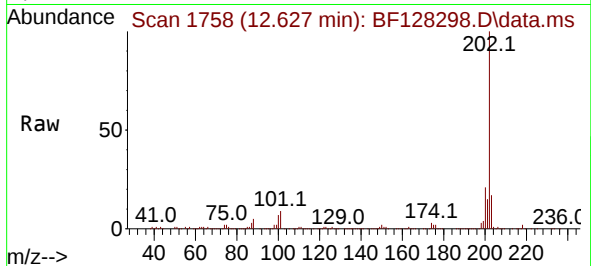




#75  
Fluoranthene  
Concen: 16.337 ng  
RT: 12.627 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BF128298.D  
Acq: 17 May 2022 18:42

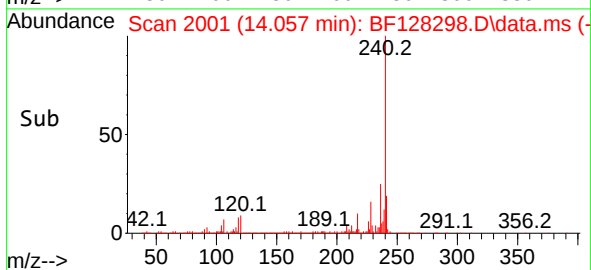
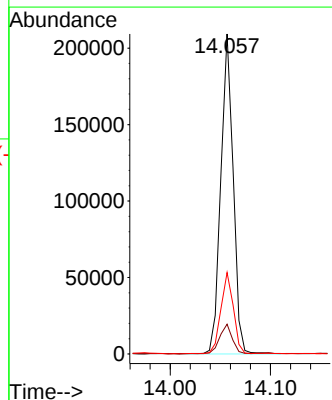
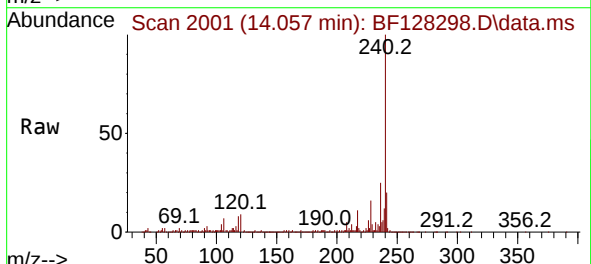
Instrument :  
BNA\_F  
ClientSampleId :  
TP1-0516

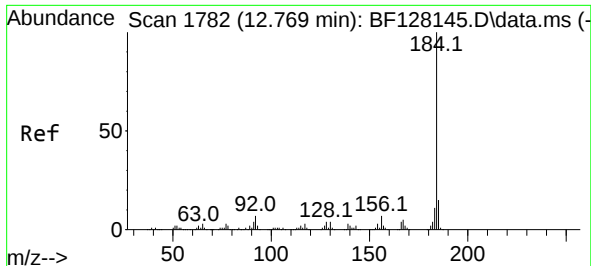
Tgt Ion:202 Resp: 196523  
Ion Ratio Lower Upper  
202 100  
101 9.4 0.0 31.6  
203 17.2 0.0 38.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.057 min Scan# 2001  
Delta R.T. -0.006 min  
Lab File: BF128298.D  
Acq: 17 May 2022 18:42

Tgt Ion:240 Resp: 179517  
Ion Ratio Lower Upper  
240 100  
120 9.3 7.0 10.6  
236 25.5 20.3 30.5

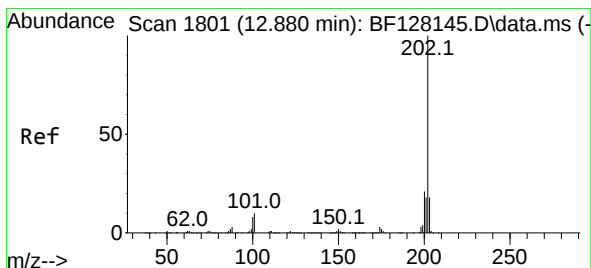
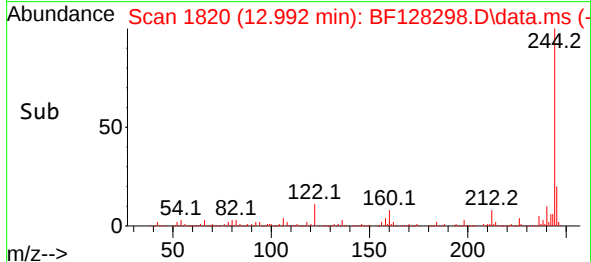
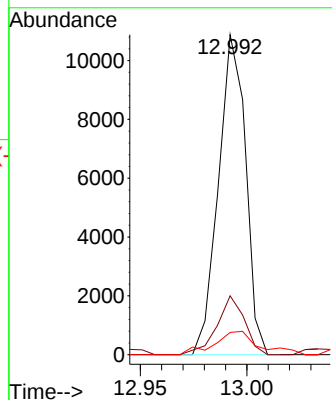
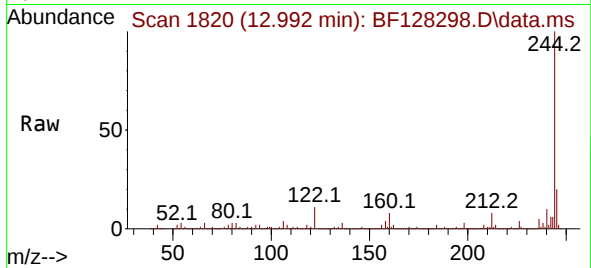




#77  
Benzidine  
Concen: 2.484 ng  
RT: 12.992 min Scan# 1797  
Delta R.T. 0.241 min  
Lab File: BF128298.D  
Acq: 17 May 2022 18:42

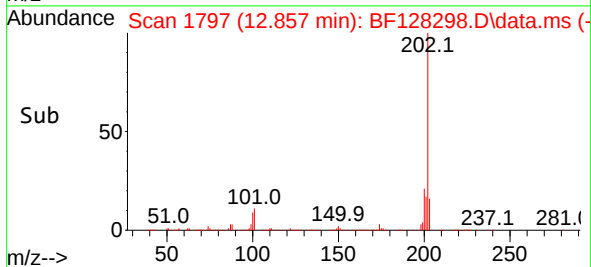
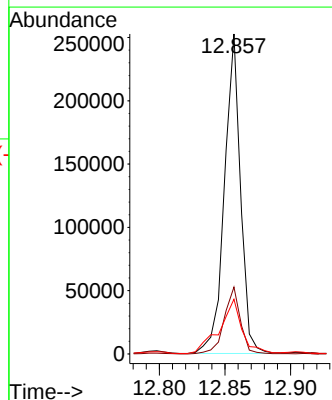
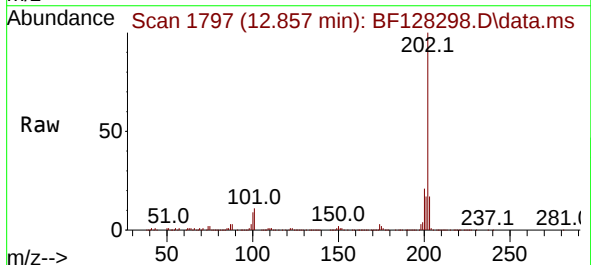
Instrument :  
BNA\_F  
ClientSampleId :  
TP1-0516

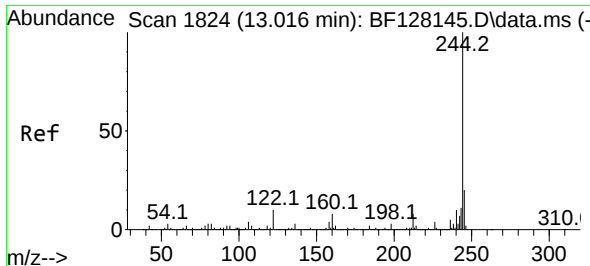
Tgt Ion:184 Resp: 9659  
Ion Ratio Lower Upper  
184 100  
185 18.4 12.1 18.1#  
183 7.0 9.0 13.4#



#78  
Pyrene  
Concen: 16.496 ng  
RT: 12.857 min Scan# 1797  
Delta R.T. -0.006 min  
Lab File: BF128298.D  
Acq: 17 May 2022 18:42

Tgt Ion:202 Resp: 214717  
Ion Ratio Lower Upper  
202 100  
200 20.9 17.4 26.2  
203 17.1 14.0 21.0

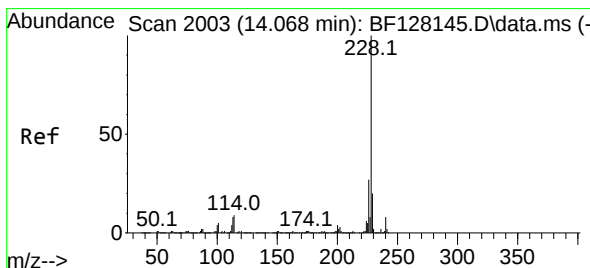
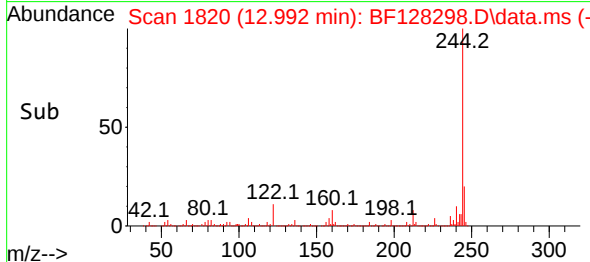
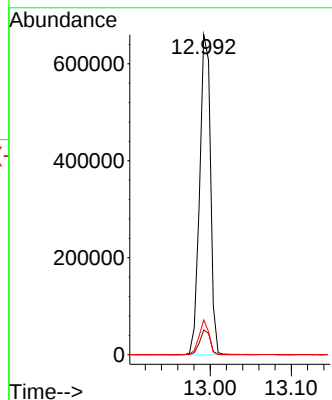
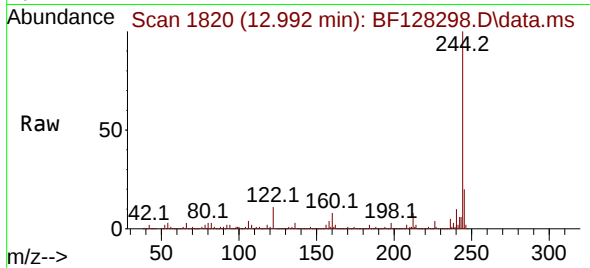




#79  
 Terphenyl-d14  
 Concen: 64.255 ng  
 RT: 12.992 min Scan# 11  
 Delta R.T. -0.012 min  
 Lab File: BF128298.D  
 Acq: 17 May 2022 18:42

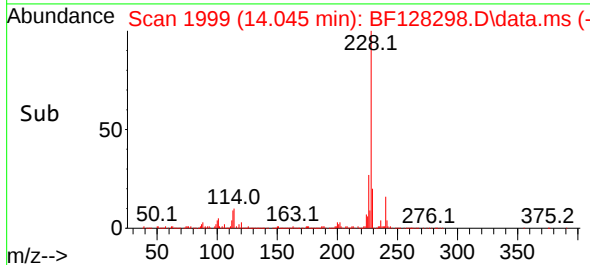
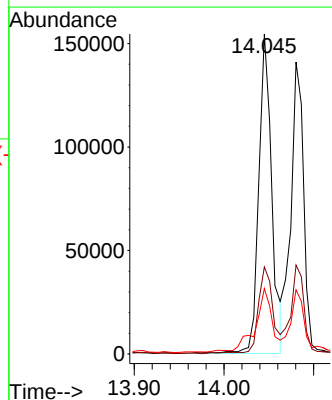
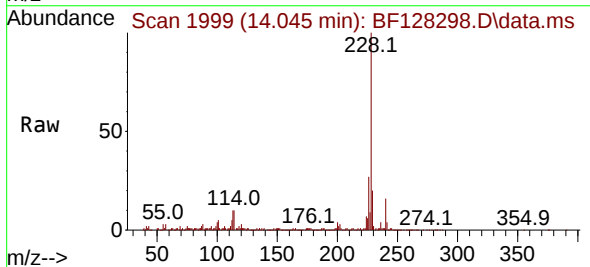
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP1-0516

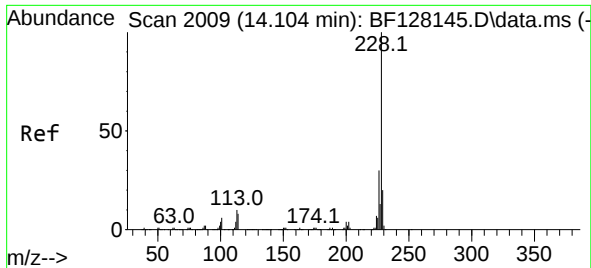
Tgt Ion:244 Resp: 614729  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 6.2 9.4  
 122 10.8 8.6 12.8



#81  
 Benzo(a)anthracene  
 Concen: 13.508 ng  
 RT: 14.045 min Scan# 1999  
 Delta R.T. -0.012 min  
 Lab File: BF128298.D  
 Acq: 17 May 2022 18:42

Tgt Ion:228 Resp: 154882  
 Ion Ratio Lower Upper  
 228 100  
 226 27.2 21.7 32.5  
 229 20.4 15.4 23.2

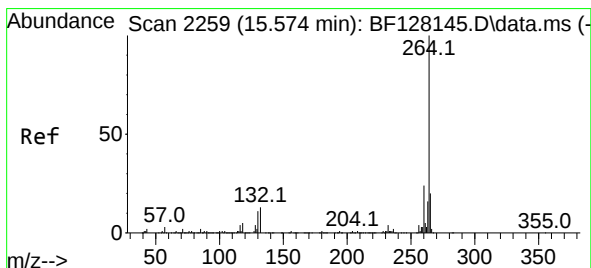
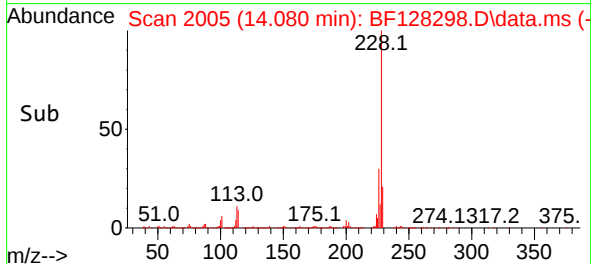
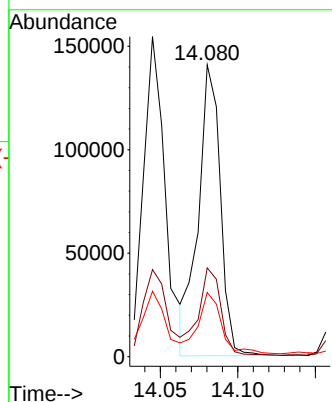
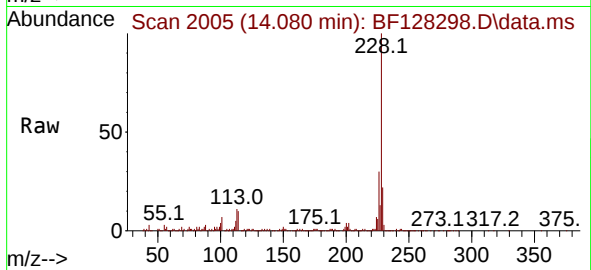




#83  
Chrysene  
Concen: 12.746 ng  
RT: 14.080 min Scan# 2009  
Delta R.T. -0.012 min  
Lab File: BF128298.D  
Acq: 17 May 2022 18:42

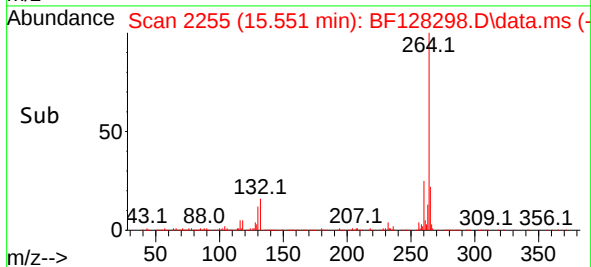
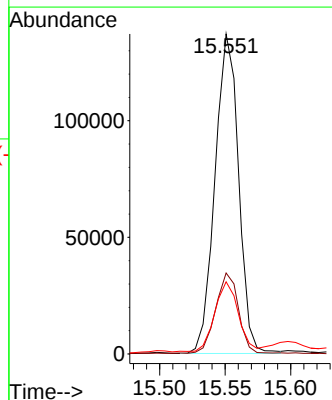
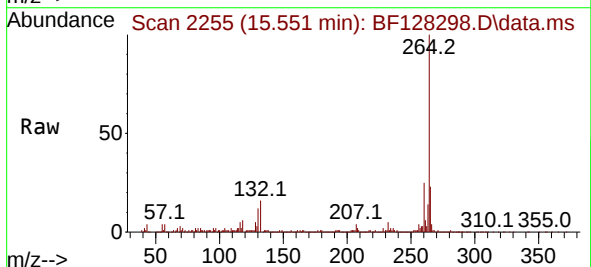
Instrument :  
BNA\_F  
ClientSampleId :  
TP1-0516

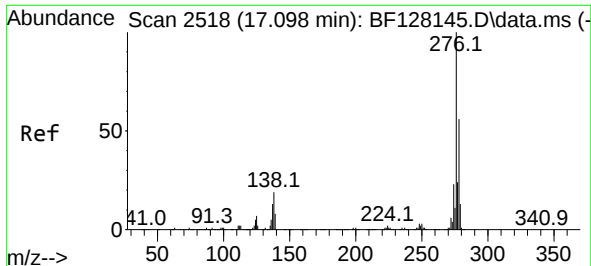
Tgt Ion:228 Resp: 139450  
Ion Ratio Lower Upper  
228 100  
226 30.4 24.4 36.6  
229 22.0 15.8 23.8



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.551 min Scan# 2255  
Delta R.T. -0.006 min  
Lab File: BF128298.D  
Acq: 17 May 2022 18:42

Tgt Ion:264 Resp: 171201  
Ion Ratio Lower Upper  
264 100  
260 25.3 20.1 30.1  
265 22.5 17.5 26.3

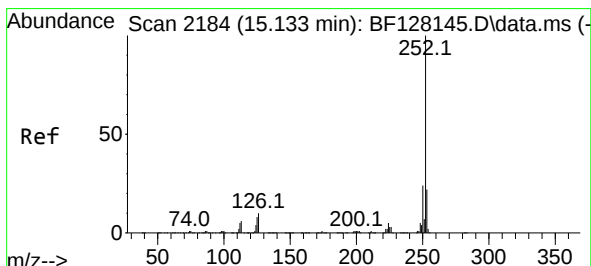
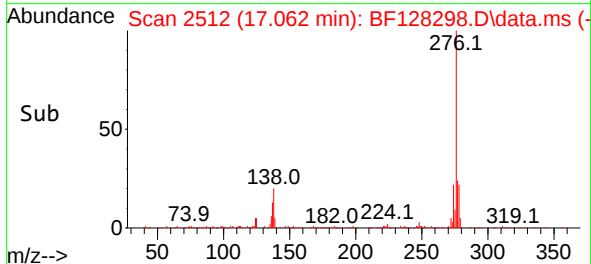
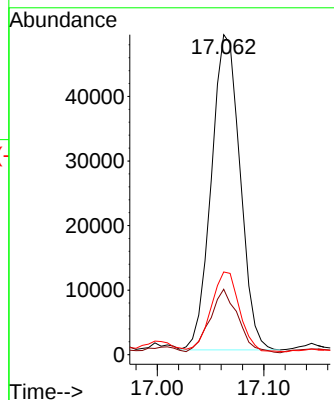
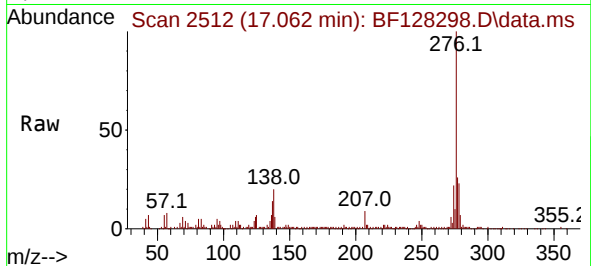




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 8.831 ng  
 RT: 17.062 min Scan# 21  
 Delta R.T. -0.024 min  
 Lab File: BF128298.D  
 Acq: 17 May 2022 18:42

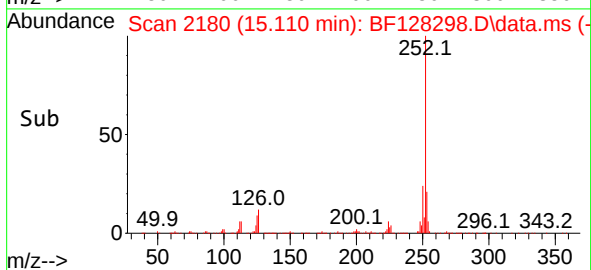
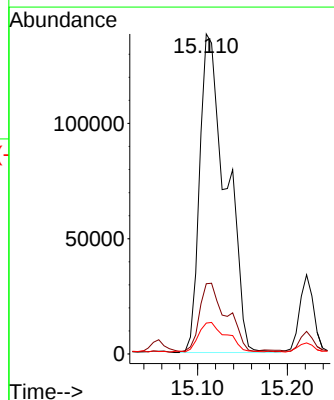
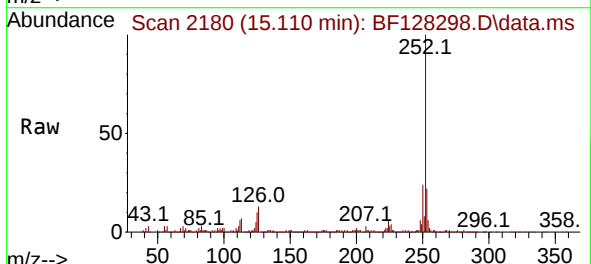
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP1-0516

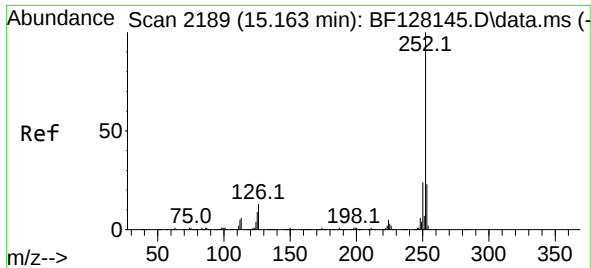
Tgt Ion:276 Resp: 91460  
 Ion Ratio Lower Upper  
 276 100  
 138 19.9 19.0 28.4  
 277 25.0 20.1 30.1



#88  
 Benzo(b)fluoranthene  
 Concen: 26.690 ng  
 RT: 15.110 min Scan# 2180  
 Delta R.T. -0.006 min  
 Lab File: BF128298.D  
 Acq: 17 May 2022 18:42

Tgt Ion:252 Resp: 283252  
 Ion Ratio Lower Upper  
 252 100  
 253 21.9 17.4 26.2  
 125 9.6 7.4 11.2

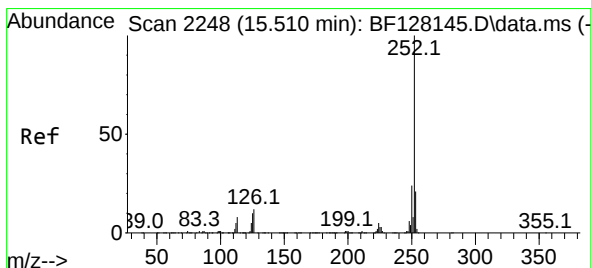
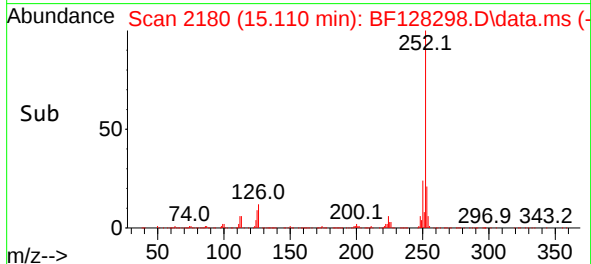
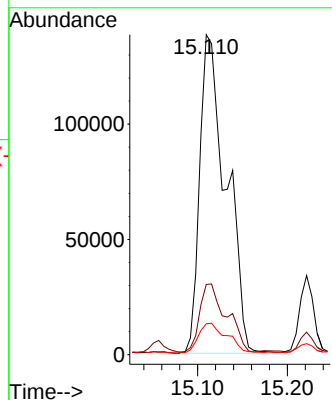
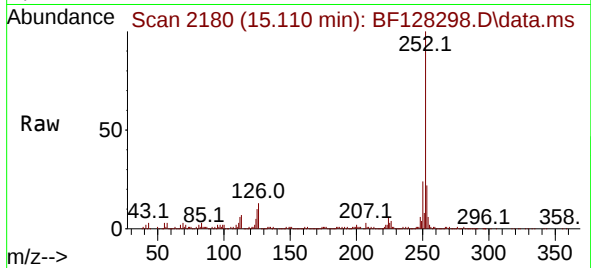




#89  
Benzo(k)fluoranthene  
Concen: 27.038 ng  
RT: 15.110 min Scan# 2189  
Delta R.T. -0.041 min  
Lab File: BF128298.D  
Acq: 17 May 2022 18:42

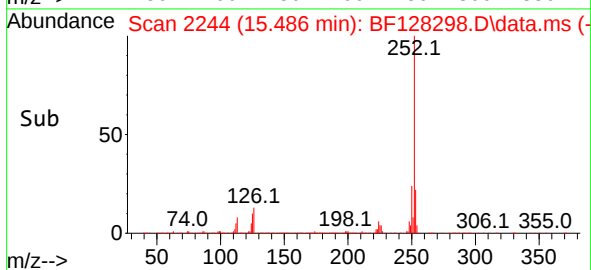
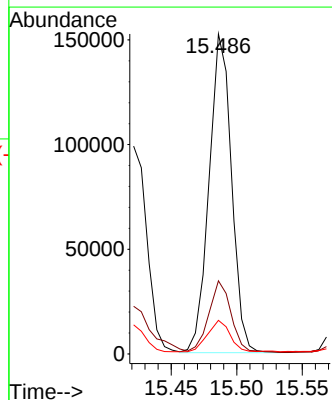
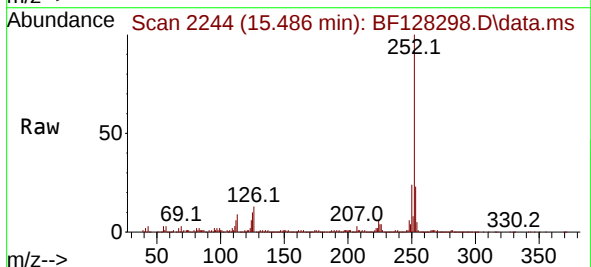
Instrument :  
BNA\_F  
ClientSampleId :  
TP1-0516

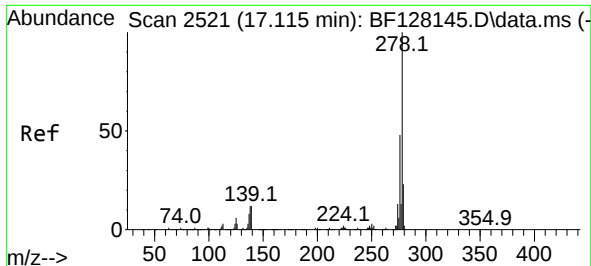
Tgt Ion:252 Resp: 283252  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.0 25.4  
125 9.6 6.8 10.2



#90  
Benzo(a)pyrene  
Concen: 21.206 ng  
RT: 15.486 min Scan# 2244  
Delta R.T. -0.006 min  
Lab File: BF128298.D  
Acq: 17 May 2022 18:42

Tgt Ion:252 Resp: 181693  
Ion Ratio Lower Upper  
252 100  
253 22.8 17.8 26.6  
125 10.5 9.2 13.8

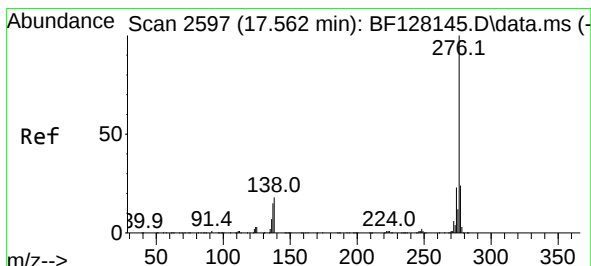
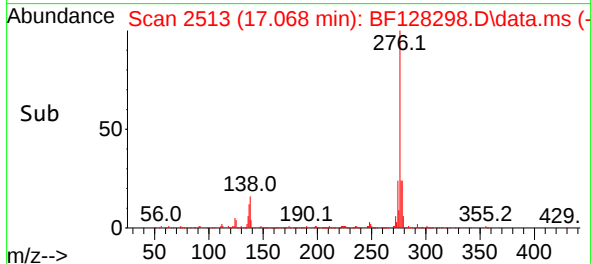
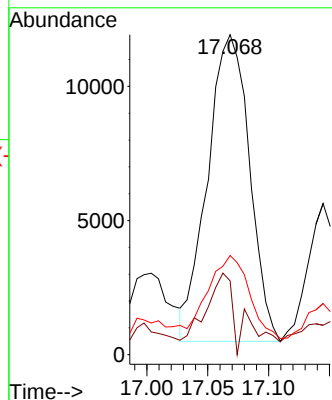
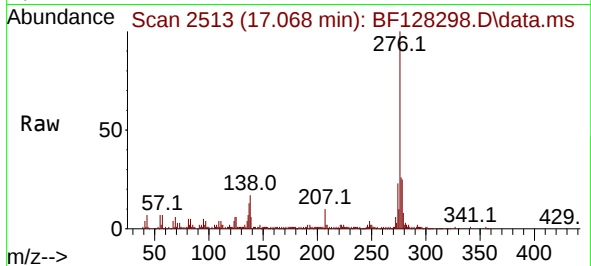




#91  
Dibenzo(a,h)anthracene  
Concen: 3.267 ng  
RT: 17.068 min Scan# 2513  
Delta R.T. -0.029 min  
Lab File: BF128298.D  
Acq: 17 May 2022 18:42

Instrument :  
BNA\_F  
ClientSampleId :  
TP1-0516

Tgt Ion:278 Resp: 27388  
Ion Ratio Lower Upper  
278 100  
139 23.1 12.6 19.0#  
279 31.0 18.9 28.3#



#92  
Benzo(g,h,i)perylene  
Concen: 10.969 ng  
RT: 17.527 min Scan# 2591  
Delta R.T. -0.018 min  
Lab File: BF128298.D  
Acq: 17 May 2022 18:42

Tgt Ion:276 Resp: 93123  
Ion Ratio Lower Upper  
276 100  
277 26.0 18.8 28.2  
138 19.3 16.2 24.2

