

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030322\  
 Data File : BF127180.D  
 Acq On : 03 Mar 2022 19:31  
 Operator : CG\JU  
 Sample : N1751-11  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUM-16

Quant Time: Mar 04 02:14:37 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 01 23:57:09 2022  
 Response via : Initial Calibration

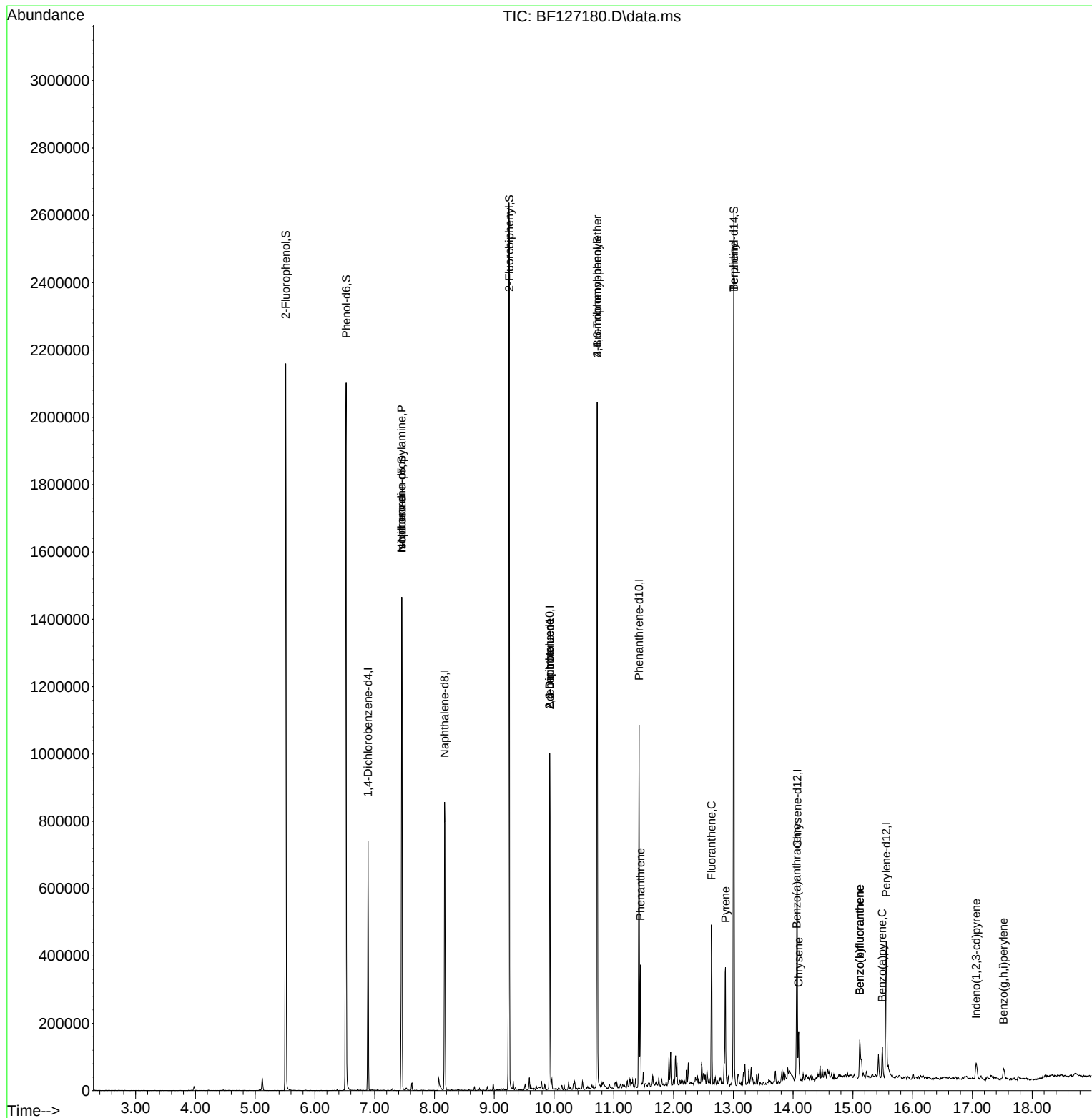
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 93662    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 372222   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.928  | 164  | 191037   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.422 | 188  | 338369   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.069 | 240  | 178531   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.557 | 264  | 173890   | 20.000 | ng    | -0.01    |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 543335   | 89.659 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.522  | 99   | 722433   | 88.348 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 487622   | 59.131 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.722 | 330  | 218500   | 99.339 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.251  | 172  | 819388   | 63.143 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.010 | 244  | 826973   | 68.094 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.451  | 70   | 66759    | 12.670 | ng    | # 78     |
| 25) Isophorone                | 7.451  | 82   | 487614   | 35.734 | ng    | # 69     |
| 51) 2,6-Dinitrotoluene        | 9.928  | 165  | 24920    | 8.970  | ng    | # 21     |
| 57) 2,4-Dinitrotoluene        | 9.928  | 165  | 24920    | 6.634  | ng    | # 15     |
| 67) 4-Bromophenyl-phenylether | 10.722 | 248  | 12665    | 3.350  | ng    | # 1      |
| 71) Phenanthrene              | 11.445 | 178  | 112096   | 5.919  | ng    | 99       |
| 75) Fluoranthene              | 12.633 | 202  | 164123   | 9.127  | ng    | 93       |
| 77) Benzidine                 | 13.010 | 184  | 12459    | 2.568  | ng    | # 94     |
| 78) Pyrene                    | 12.869 | 202  | 136977   | 8.831  | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.057 | 228  | 46741    | 3.883  | ng    | 98       |
| 83) Chrysene                  | 14.092 | 228  | 53657    | 4.741  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.062 | 276  | 28598    | 2.508  | ng    | # 86     |
| 88) Benzo(b)fluoranthene      | 15.116 | 252  | 79418    | 6.800  | ng    | # 93     |
| 89) Benzo(k)fluoranthene      | 15.116 | 252  | 79418    | 7.050  | ng    | # 94     |
| 90) Benzo(a)pyrene            | 15.492 | 252  | 39886    | 4.372  | ng    | # 94     |
| 92) Benzo(g,h,i)perylene      | 17.521 | 276  | 26461    | 2.846  | ng    | # 83     |

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

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Sample : N1751-11  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DUM-16

Quant Time: Mar 04 02:14:37 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Mar 01 23:57:09 2022  
Response via : Initial Calibration

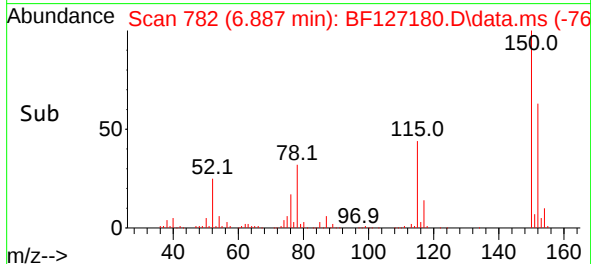
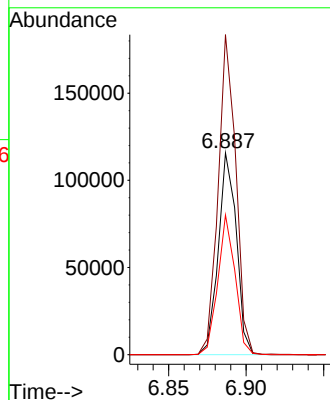
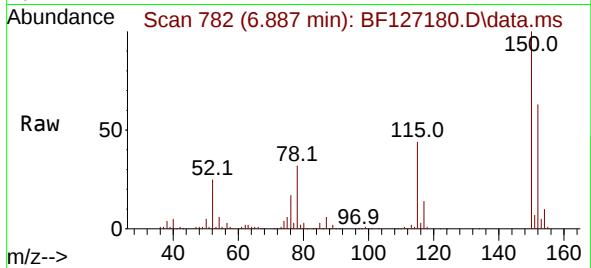




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.887 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF127180.D  
Acq: 03 Mar 2022 19:31

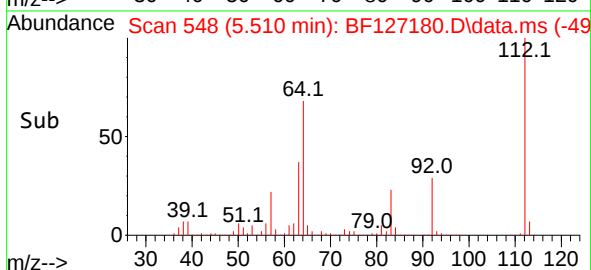
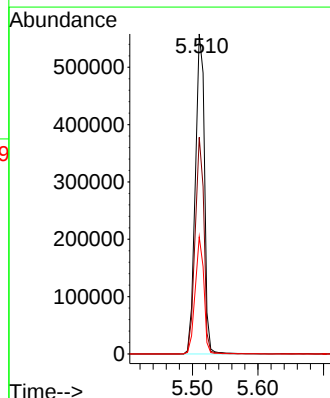
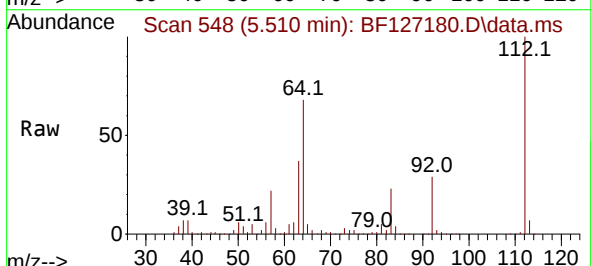
Instrument :  
BNA\_F  
ClientSampleId :  
DUM-16

Tgt Ion:152 Resp: 93662  
Ion Ratio Lower Upper  
152 100  
150 158.6 128.1 192.1  
115 69.2 56.7 85.1



#5  
2-Fluorophenol  
Concen: 89.659 ng  
RT: 5.510 min Scan# 548  
Delta R.T. 0.000 min  
Lab File: BF127180.D  
Acq: 03 Mar 2022 19:31

Tgt Ion:112 Resp: 543335  
Ion Ratio Lower Upper  
112 100  
64 67.7 49.5 74.3  
63 36.6 23.9 35.9#

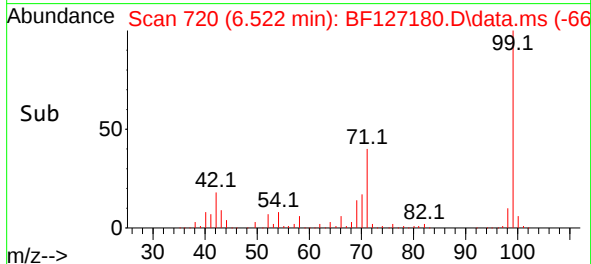
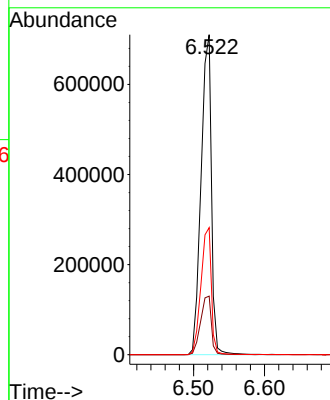
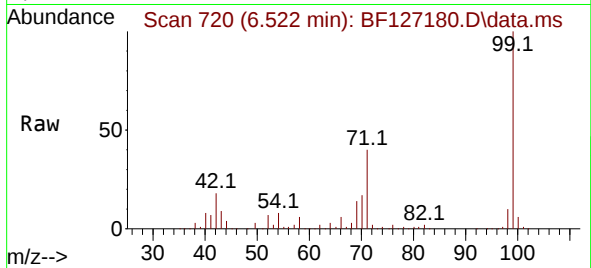




#7  
Phenol-d6  
Concen: 88.348 ng  
RT: 6.522 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF127180.D  
Acq: 03 Mar 2022 19:31

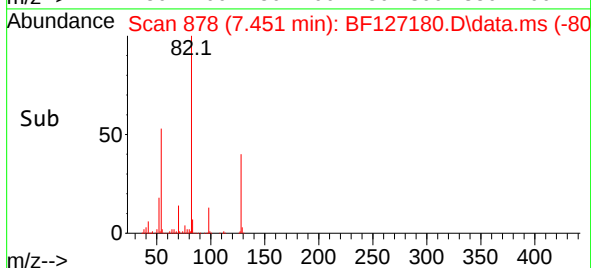
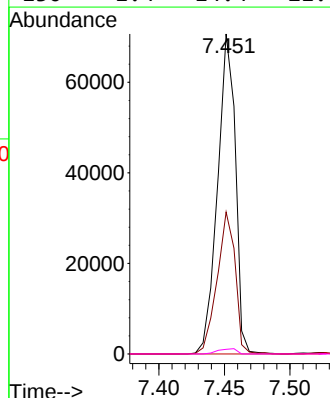
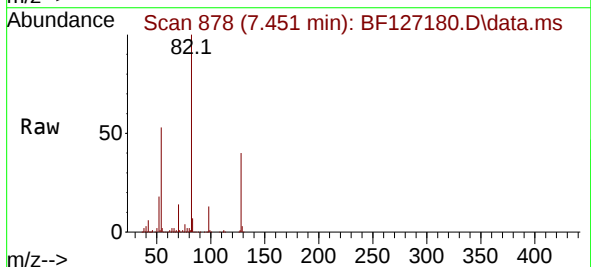
Instrument :  
BNA\_F  
ClientSampleId :  
DUM-16

Tgt Ion: 99 Resp: 722433  
Ion Ratio Lower Upper  
99 100  
42 18.3 14.2 21.4  
71 39.7 24.3 36.5#



#19  
n-Nitroso-di-n-propylamine  
Concen: 12.670 ng  
RT: 7.451 min Scan# 878  
Delta R.T. 0.147 min  
Lab File: BF127180.D  
Acq: 03 Mar 2022 19:31

Tgt Ion: 70 Resp: 66759  
Ion Ratio Lower Upper  
70 100  
42 44.4 45.8 68.8#  
101 0.0 6.9 10.3#  
130 1.4 14.4 21.6#

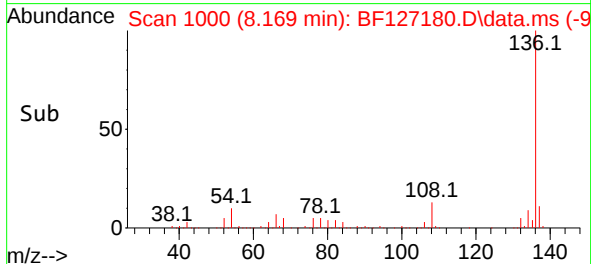
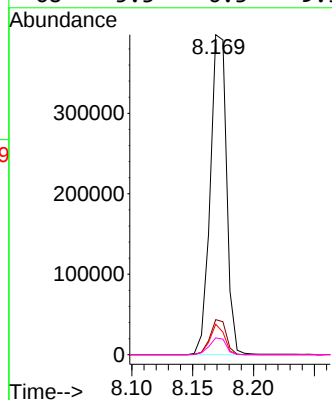
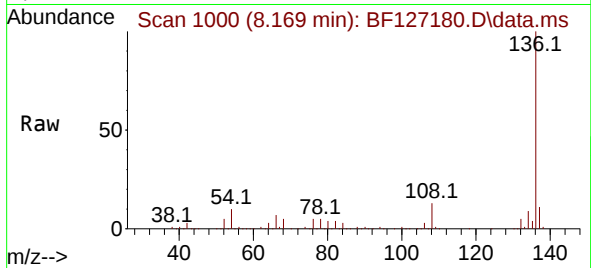




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 10  
Delta R.T. -0.006 min  
Lab File: BF127180.D  
Acq: 03 Mar 2022 19:31

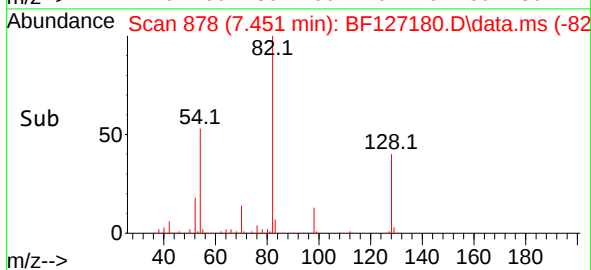
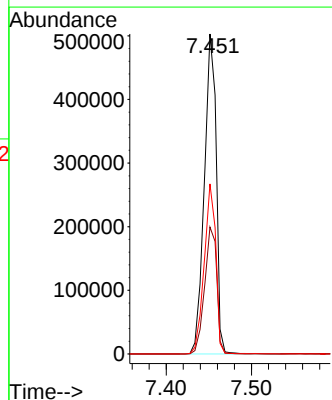
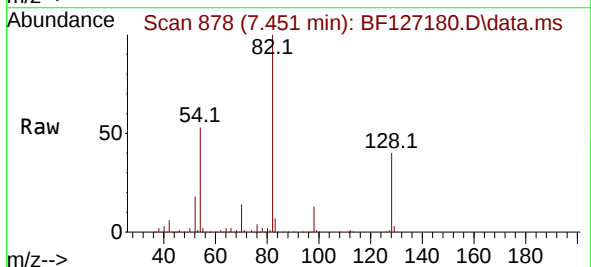
Instrument :  
BNA\_F  
ClientSampleId :  
DUM-16

Tgt Ion:136 Resp: 372222  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 13.0  
54 9.5 7.8 11.6  
68 5.3 6.3 9.5#



#23  
Nitrobenzene-d5  
Concen: 59.131 ng  
RT: 7.451 min Scan# 878  
Delta R.T. -0.012 min  
Lab File: BF127180.D  
Acq: 03 Mar 2022 19:31

Tgt Ion: 82 Resp: 487622  
Ion Ratio Lower Upper  
82 100  
128 39.7 32.7 49.1  
54 53.2 41.7 62.5

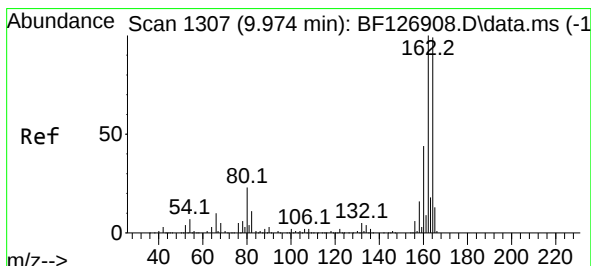
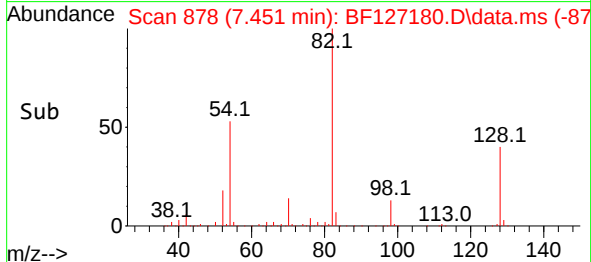
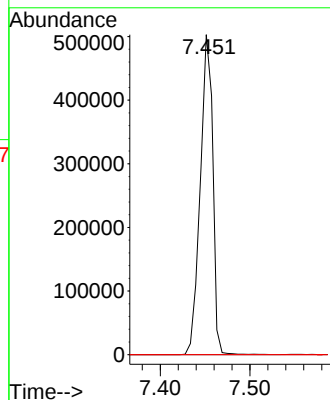
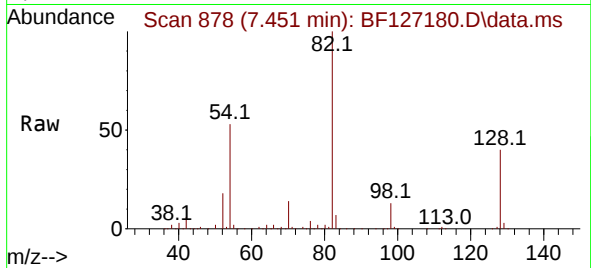




#25  
Isophorone  
Concen: 35.734 ng  
RT: 7.451 min Scan# 81  
Delta R.T. -0.265 min  
Lab File: BF127180.D  
Acq: 03 Mar 2022 19:31

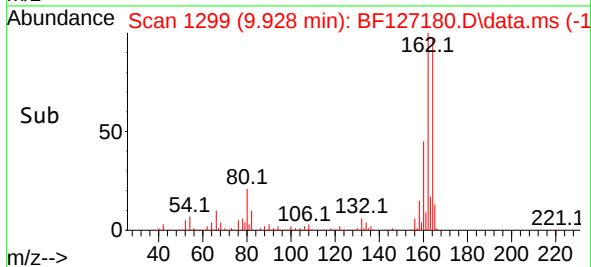
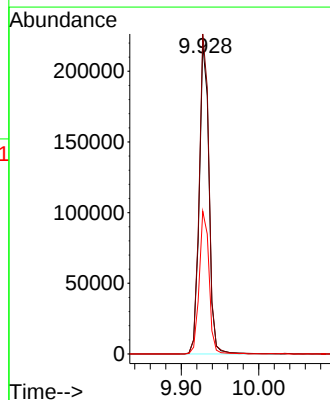
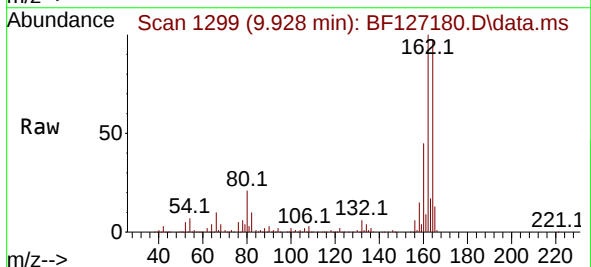
Instrument :  
BNA\_F  
ClientSampleId :  
DUM-16

Tgt Ion: 82 Resp: 487614  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.0 7.4#  
138 0.0 12.3 18.5#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.928 min Scan# 1299  
Delta R.T. -0.012 min  
Lab File: BF127180.D  
Acq: 03 Mar 2022 19:31

Tgt Ion:164 Resp: 191037  
Ion Ratio Lower Upper  
164 100  
162 103.2 81.4 122.0  
160 46.0 36.6 54.8

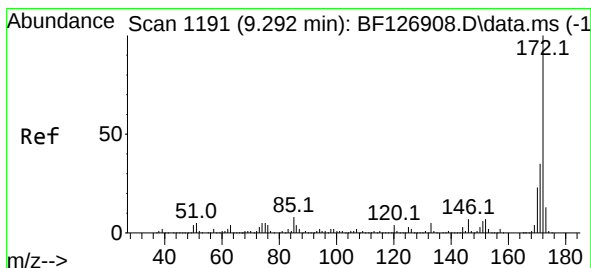
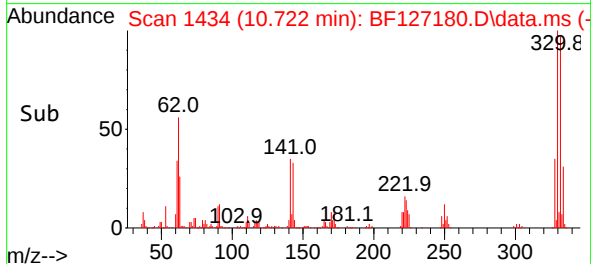
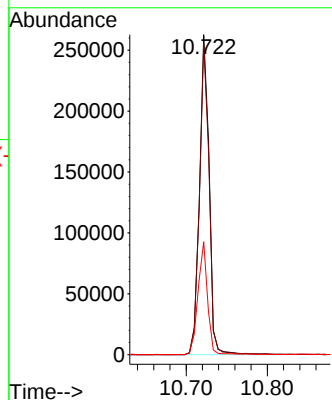
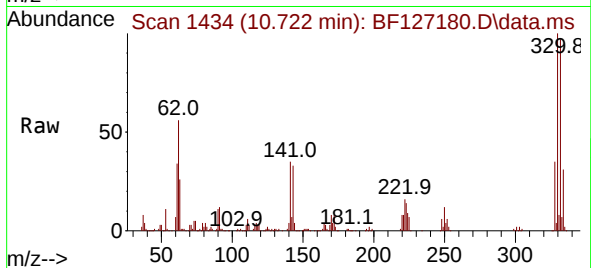




#42  
2,4,6-Tribromophenol  
Concen: 99.339 ng  
RT: 10.722 min Scan# 1442  
Delta R.T. -0.006 min  
Lab File: BF127180.D  
Acq: 03 Mar 2022 19:31

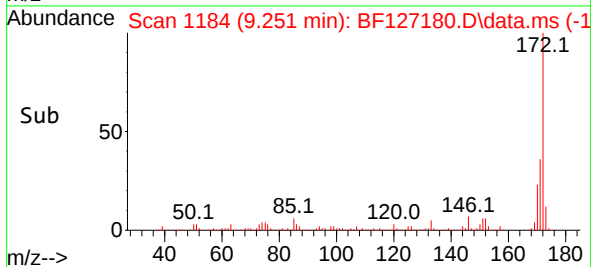
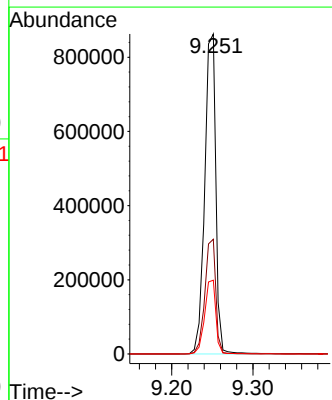
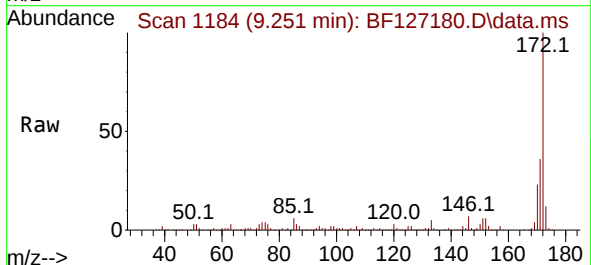
Instrument :  
BNA\_F  
ClientSampleId :  
DUM-16

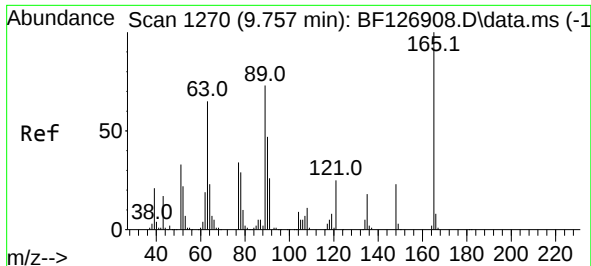
Tgt Ion:330 Resp: 218500  
Ion Ratio Lower Upper  
330 100  
332 97.0 76.0 114.0  
141 35.2 30.1 45.1



#45  
2-Fluorobiphenyl  
Concen: 63.143 ng  
RT: 9.251 min Scan# 1184  
Delta R.T. 0.000 min  
Lab File: BF127180.D  
Acq: 03 Mar 2022 19:31

Tgt Ion:172 Resp: 819388  
Ion Ratio Lower Upper  
172 100  
171 35.9 28.3 42.5  
170 23.0 19.0 28.6

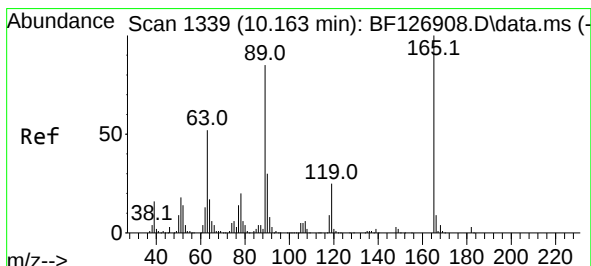
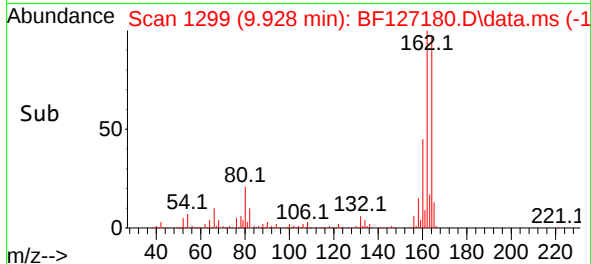
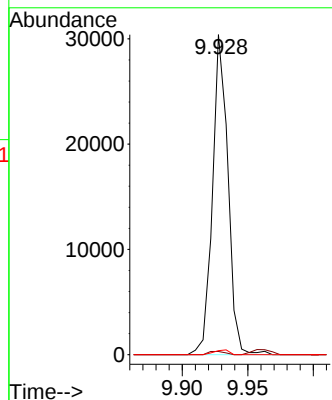
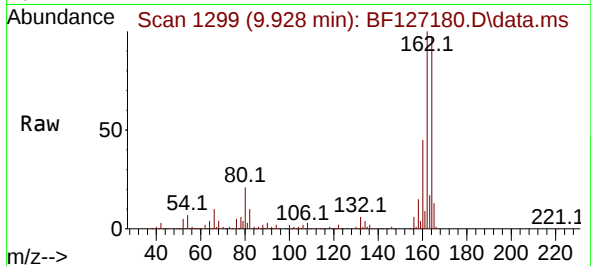




#51  
2,6-Dinitrotoluene  
Concen: 8.970 ng  
RT: 9.928 min Scan# 1270  
Delta R.T. 0.206 min  
Lab File: BF127180.D  
Acq: 03 Mar 2022 19:31

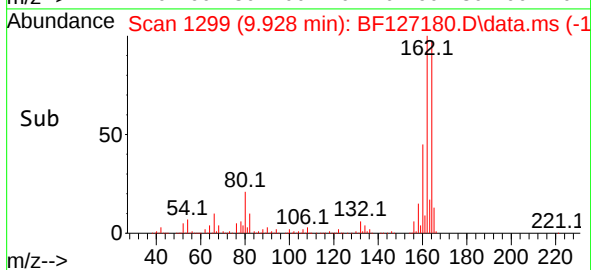
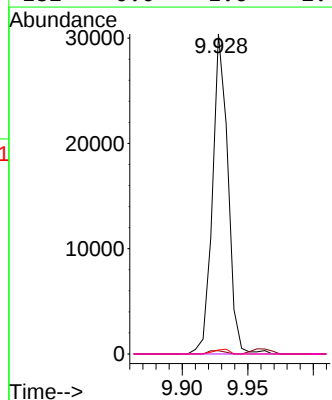
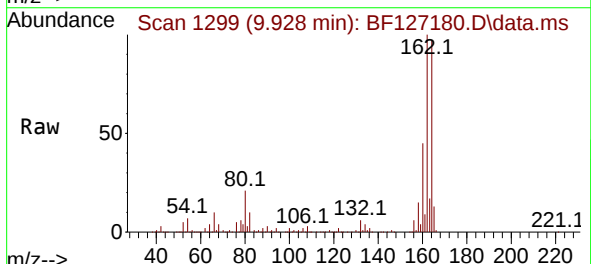
Instrument :  
BNA\_F  
ClientSampleId :  
DUM-16

Tgt Ion:165 Resp: 24920  
Ion Ratio Lower Upper  
165 100  
63 1.0 48.4 72.6#  
89 1.2 50.5 75.7#



#57  
2,4-Dinitrotoluene  
Concen: 6.634 ng  
RT: 9.928 min Scan# 1299  
Delta R.T. -0.200 min  
Lab File: BF127180.D  
Acq: 03 Mar 2022 19:31

Tgt Ion:165 Resp: 24920  
Ion Ratio Lower Upper  
165 100  
63 1.0 43.0 64.6#  
89 1.2 71.0 106.4#  
182 0.0 1.6 2.4#

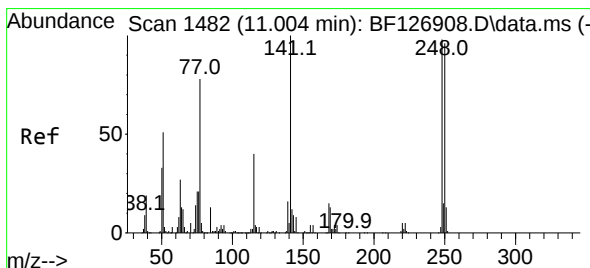
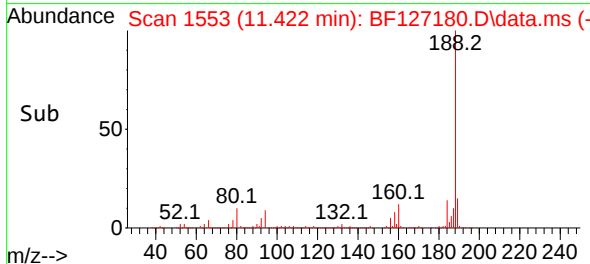
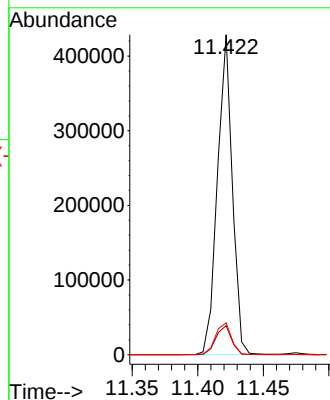
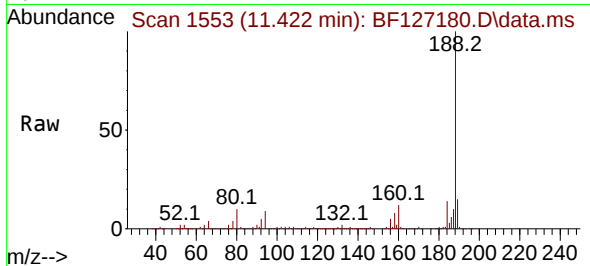




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.422 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF127180.D  
Acq: 03 Mar 2022 19:31

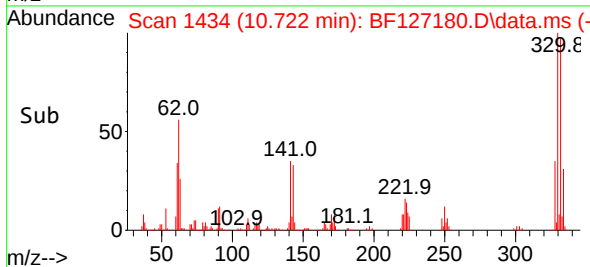
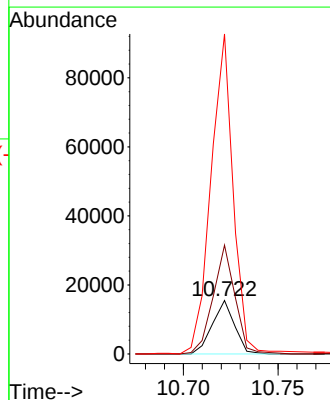
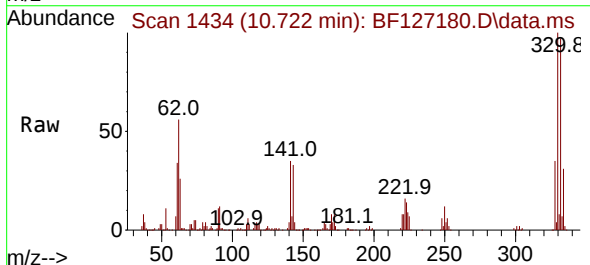
Instrument :  
BNA\_F  
ClientSampleId :  
DUM-16

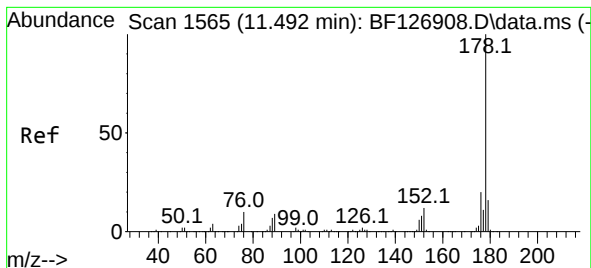
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Ion Ratio Lower Upper  
188 100  
94 9.1 10.1 15.1#  
80 10.0 11.8 17.6#



#67  
4-Bromophenyl-phenylether  
Concen: 3.350 ng  
RT: 10.722 min Scan# 1434  
Delta R.T. -0.247 min  
Lab File: BF127180.D  
Acq: 03 Mar 2022 19:31

Tgt Ion:248 Resp: 12665  
Ion Ratio Lower Upper  
248 100  
250 203.3 76.2 114.4#  
141 598.0 66.2 99.4#





#71

Phenanthrene

Concen: 5.919 ng

RT: 11.445 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF127180.D

Acq: 03 Mar 2022 19:31

Instrument :

BNA\_F

ClientSampleId :

DUM-16

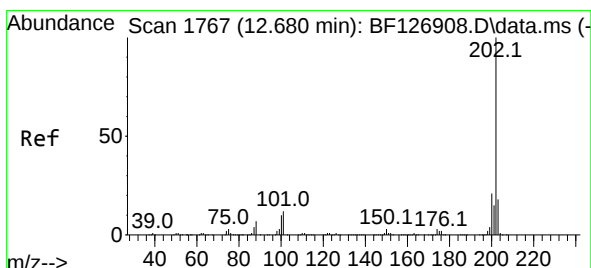
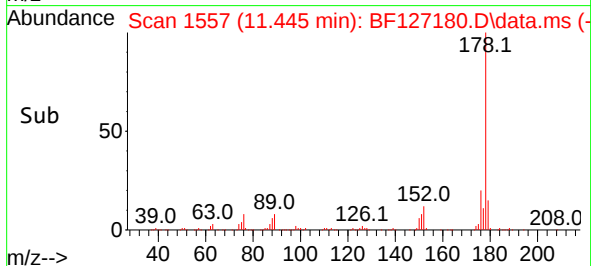
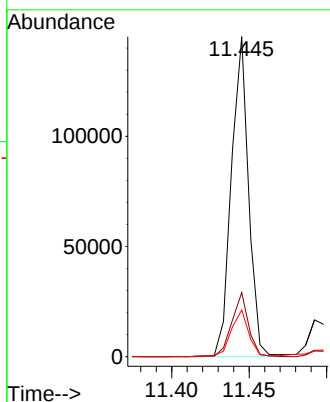
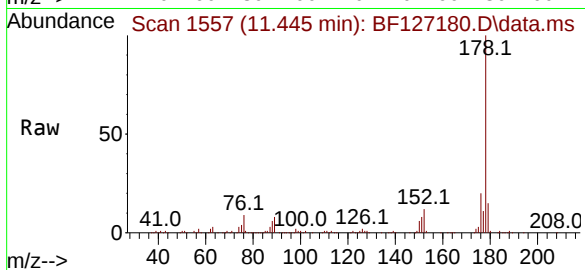
Tgt Ion:178 Resp: 112096

Ion Ratio Lower Upper

178 100

176 20.0 15.7 23.5

179 14.6 12.3 18.5



#75

Fluoranthene

Concen: 9.127 ng

RT: 12.633 min Scan# 1759

Delta R.T. -0.012 min

Lab File: BF127180.D

Acq: 03 Mar 2022 19:31

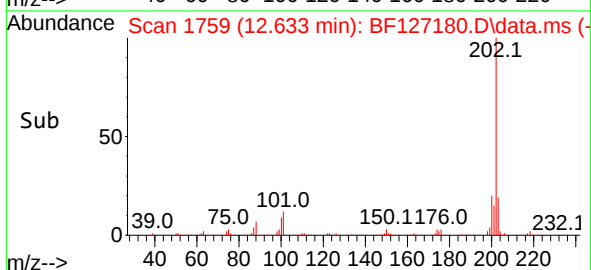
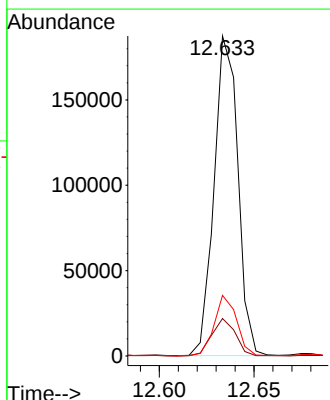
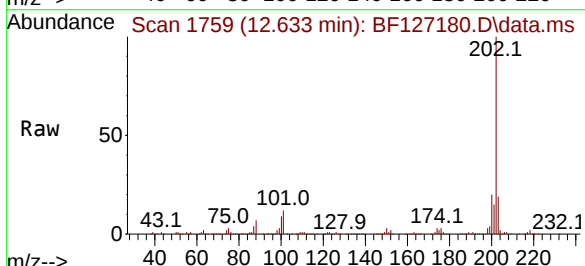
Tgt Ion:202 Resp: 164123

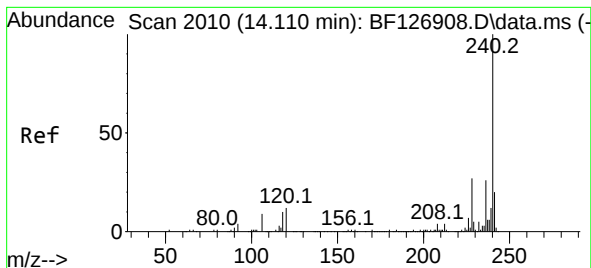
Ion Ratio Lower Upper

202 100

101 11.7 0.0 35.7

203 19.0 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.069 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF127180.D

Acq: 03 Mar 2022 19:31

Instrument :

BNA\_F

ClientSampleId :

DUM-16

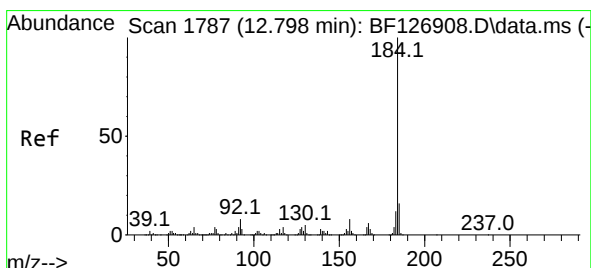
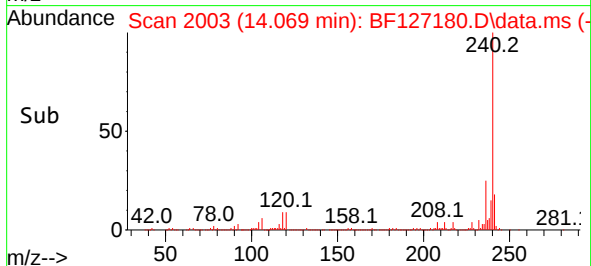
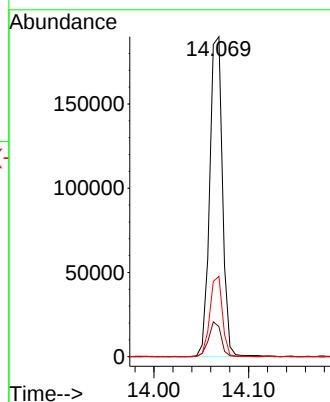
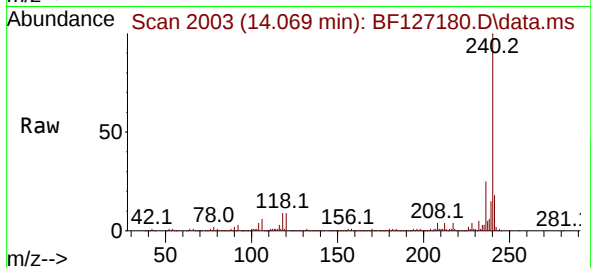
Tgt Ion:240 Resp: 178531

Ion Ratio Lower Upper

240 100

120 9.4 14.4 21.6#

236 25.1 20.5 30.7



#77

Benidine

Concen: 2.568 ng

RT: 13.010 min Scan# 1823

Delta R.T. 0.247 min

Lab File: BF127180.D

Acq: 03 Mar 2022 19:31

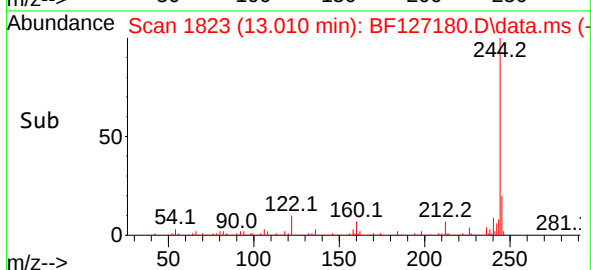
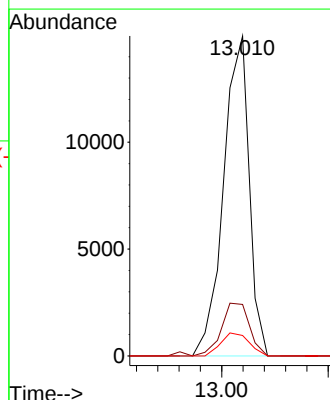
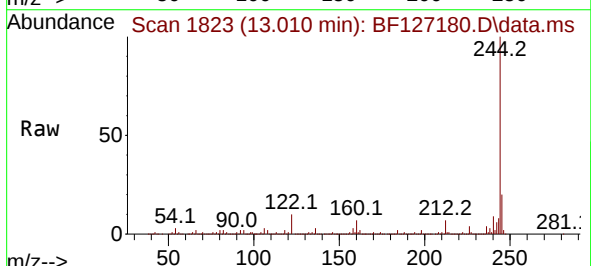
Tgt Ion:184 Resp: 12459

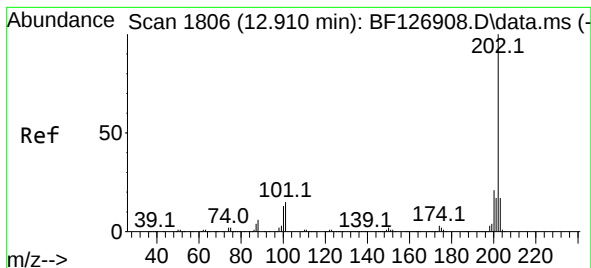
Ion Ratio Lower Upper

184 100

185 16.1 11.8 17.8

183 6.4 8.2 12.2#





#78

Pyrene

Concen: 8.831 ng

RT: 12.869 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF127180.D

Acq: 03 Mar 2022 19:31

Instrument :

BNA\_F

ClientSampleId :

DUM-16

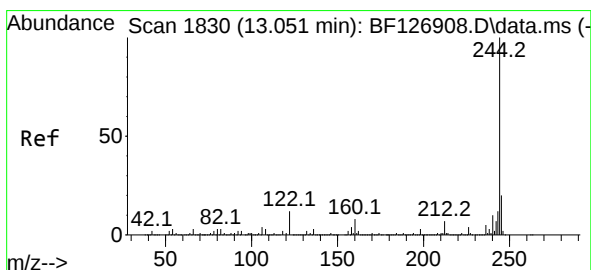
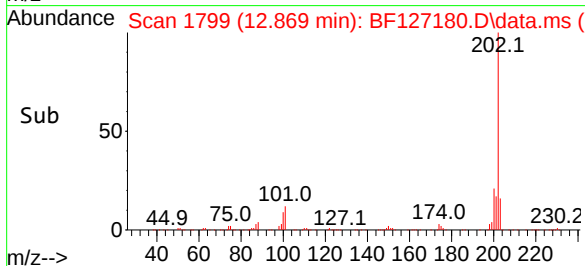
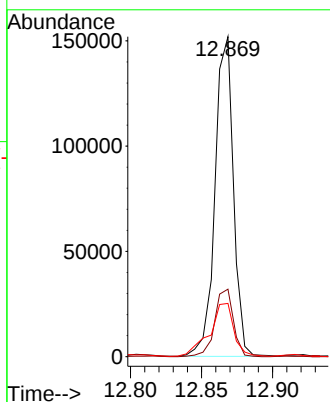
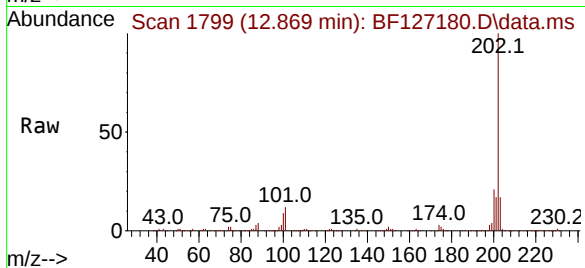
Tgt Ion:202 Resp: 136977

Ion Ratio Lower Upper

202 100

200 21.1 16.6 24.8

203 16.7 13.8 20.8



#79

Terphenyl-d14

Concen: 68.094 ng

RT: 13.010 min Scan# 1823

Delta R.T. -0.006 min

Lab File: BF127180.D

Acq: 03 Mar 2022 19:31

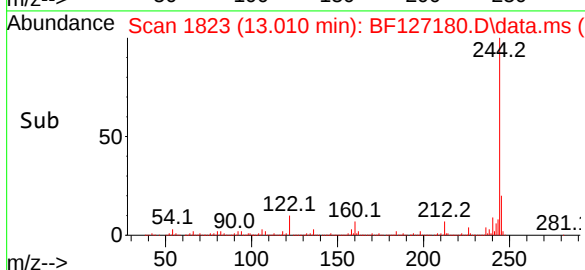
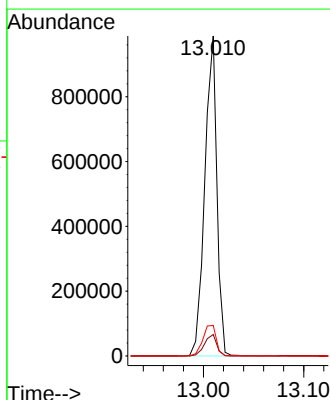
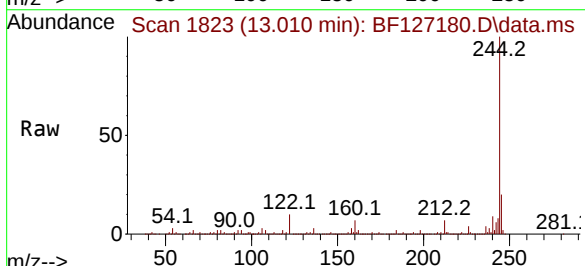
Tgt Ion:244 Resp: 826973

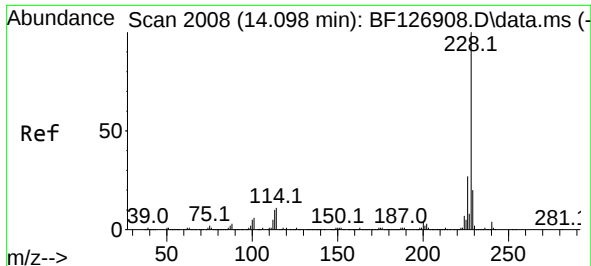
Ion Ratio Lower Upper

244 100

212 6.7 5.0 7.4

122 9.5 13.3 19.9#

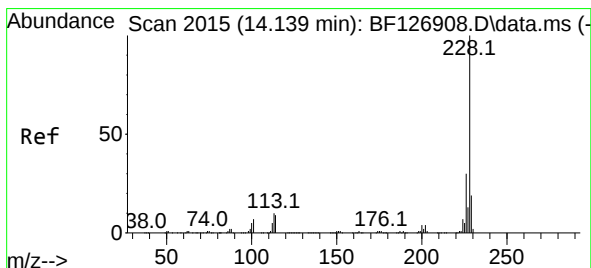
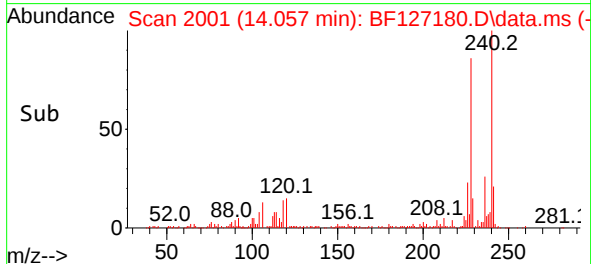
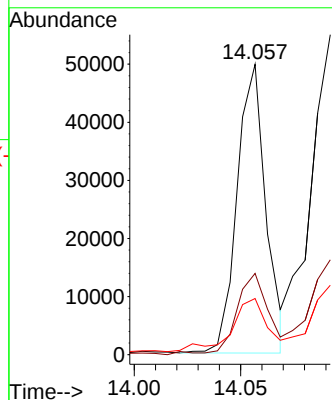
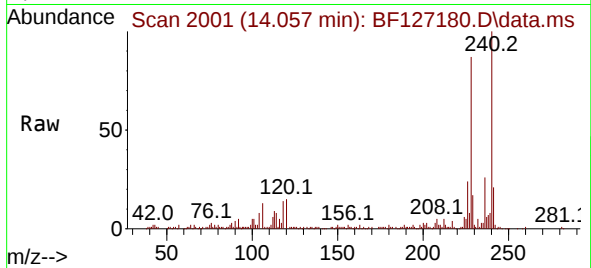




#81  
Benzo(a)anthracene  
Concen: 3.883 ng  
RT: 14.057 min Scan# 2001  
Delta R.T. -0.006 min  
Lab File: BF127180.D  
Acq: 03 Mar 2022 19:31

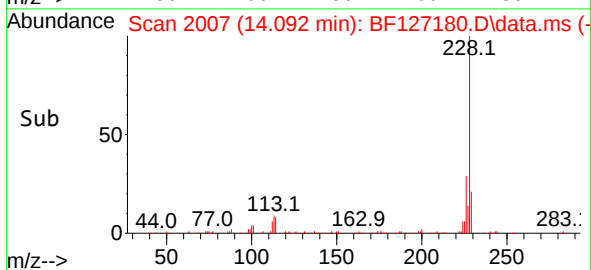
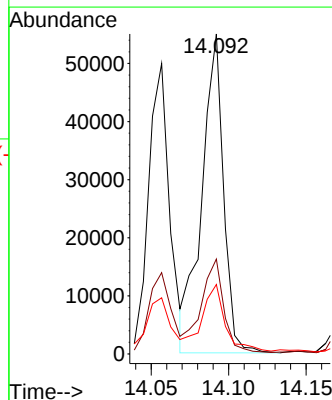
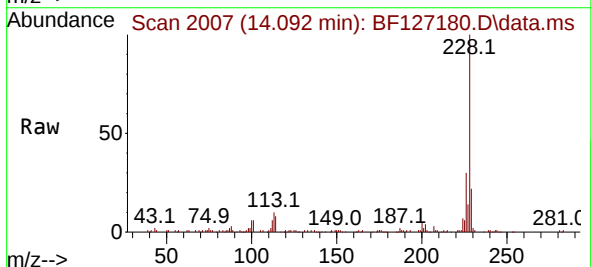
Instrument :  
BNA\_F  
ClientSampleId :  
DUM-16

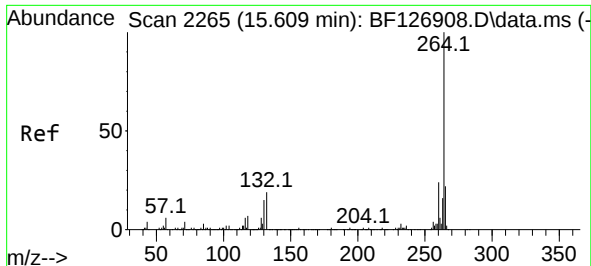
Tgt Ion:228 Resp: 46741  
Ion Ratio Lower Upper  
228 100  
226 28.0 21.4 32.0  
229 19.4 15.4 23.2



#83  
Chrysene  
Concen: 4.741 ng  
RT: 14.092 min Scan# 2007  
Delta R.T. -0.012 min  
Lab File: BF127180.D  
Acq: 03 Mar 2022 19:31

Tgt Ion:228 Resp: 53657  
Ion Ratio Lower Upper  
228 100  
226 29.7 23.7 35.5  
229 21.7 15.5 23.3

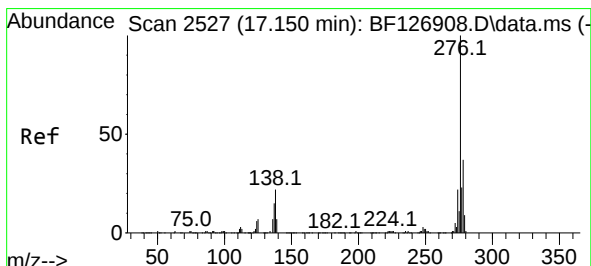
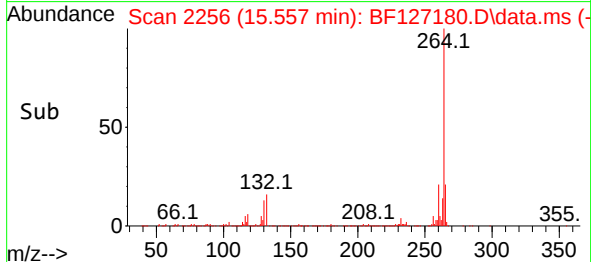
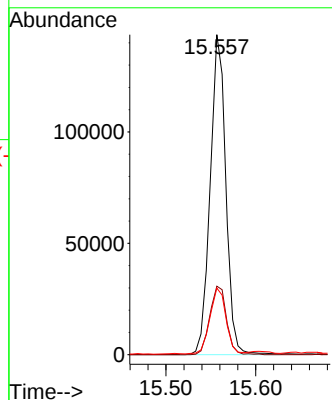
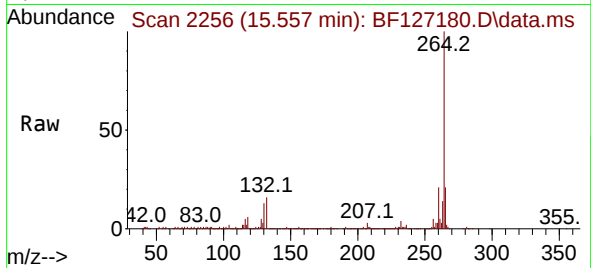




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.557 min Scan# 211  
Delta R.T. -0.012 min  
Lab File: BF127180.D  
Acq: 03 Mar 2022 19:31

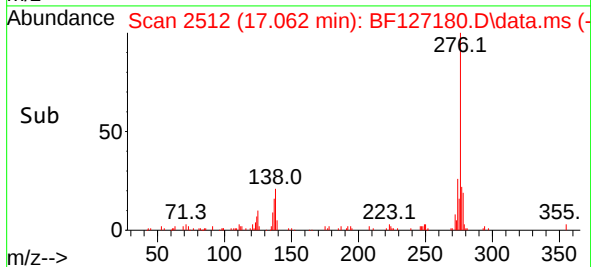
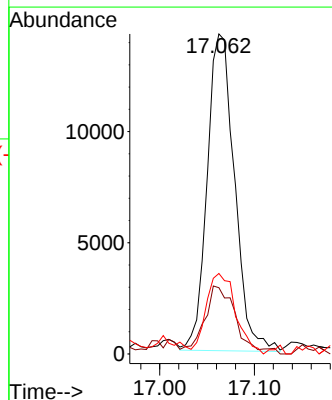
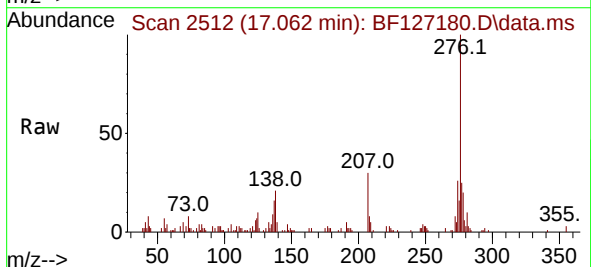
Instrument :  
BNA\_F  
ClientSampleId :  
DUM-16

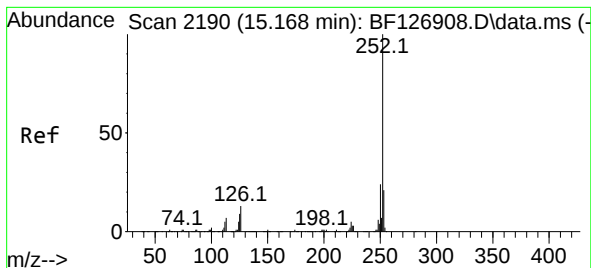
Tgt Ion:264 Resp: 173890  
Ion Ratio Lower Upper  
264 100  
260 21.4 19.2 28.8  
265 20.8 17.4 26.2



#87  
Indeno(1,2,3-cd)pyrene  
Concen: 2.508 ng  
RT: 17.062 min Scan# 2512  
Delta R.T. -0.024 min  
Lab File: BF127180.D  
Acq: 03 Mar 2022 19:31

Tgt Ion:276 Resp: 28598  
Ion Ratio Lower Upper  
276 100  
138 24.7 29.2 43.8#  
277 27.3 19.8 29.8





#88

Benzo(b)fluoranthene

Concen: 6.800 ng

RT: 15.116 min Scan# 2181

Delta R.T. -0.012 min

Lab File: BF127180.D

Acq: 03 Mar 2022 19:31

Instrument :

BNA\_F

ClientSampleId :

DUM-16

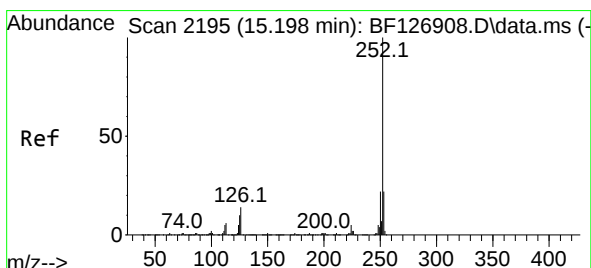
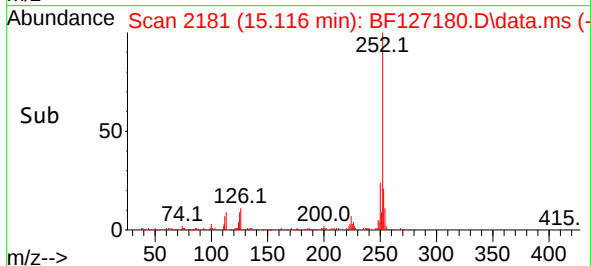
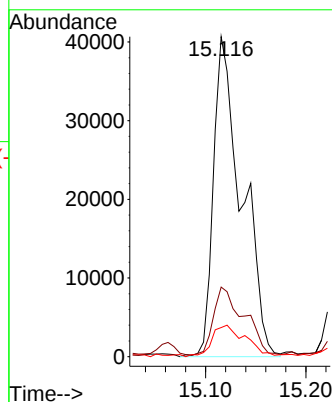
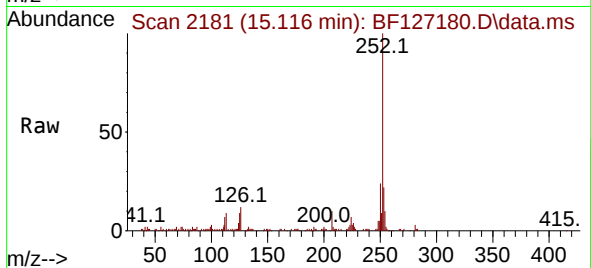
Tgt Ion:252 Resp: 79418

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

125 9.1 12.4 18.6#



#89

Benzo(k)fluoranthene

Concen: 7.050 ng

RT: 15.116 min Scan# 2181

Delta R.T. -0.041 min

Lab File: BF127180.D

Acq: 03 Mar 2022 19:31

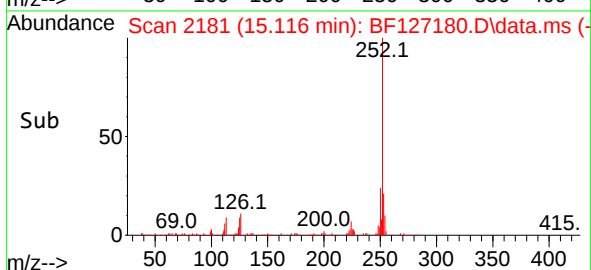
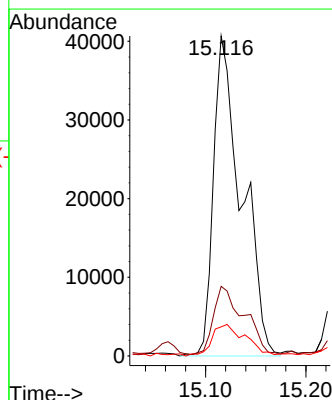
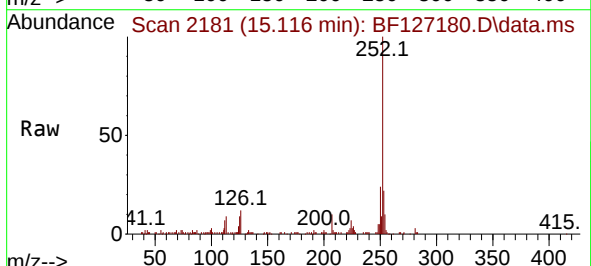
Tgt Ion:252 Resp: 79418

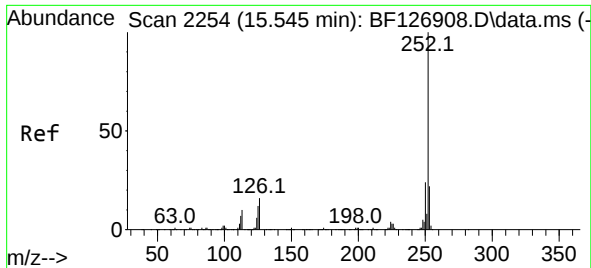
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 9.1 11.8 17.6#

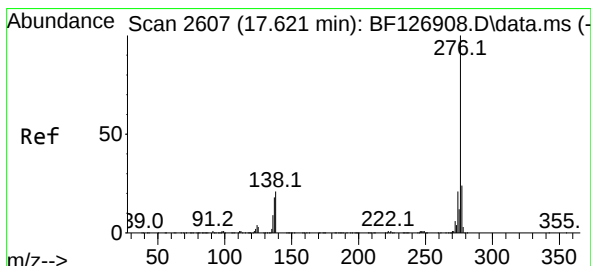
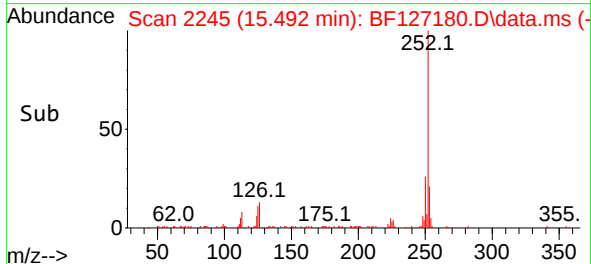
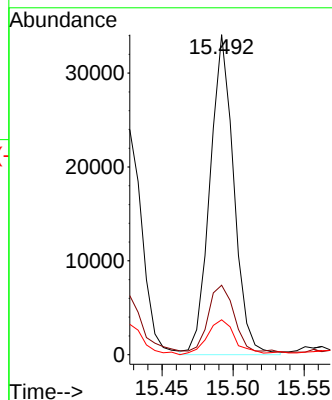
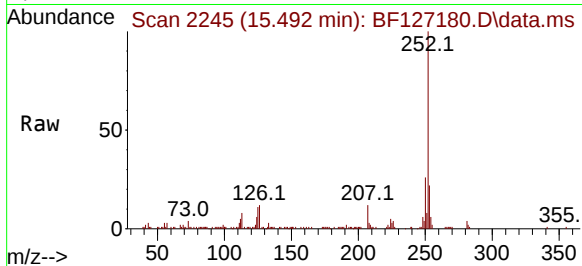




#90  
Benzo(a)pyrene  
Concen: 4.372 ng  
RT: 15.492 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF127180.D  
Acq: 03 Mar 2022 19:31

Instrument :  
BNA\_F  
ClientSampleId :  
DUM-16

Tgt Ion:252 Resp: 39886  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.1 25.7  
125 10.9 13.0 19.6#



#92  
Benzo(g,h,i)perylene  
Concen: 2.846 ng  
RT: 17.521 min Scan# 2590  
Delta R.T. -0.029 min  
Lab File: BF127180.D  
Acq: 03 Mar 2022 19:31

Tgt Ion:276 Resp: 26461  
Ion Ratio Lower Upper  
276 100  
277 25.3 18.5 27.7  
138 17.6 25.9 38.9#

