

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030422\  
 Data File : BF127211.D  
 Acq On : 04 Mar 2022 20:07  
 Operator : CG\JU  
 Sample : N1726-06DL 2X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 332DL

Quant Time: Mar 05 02:22:01 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 05 02:16:58 2022  
 Response via : Initial Calibration

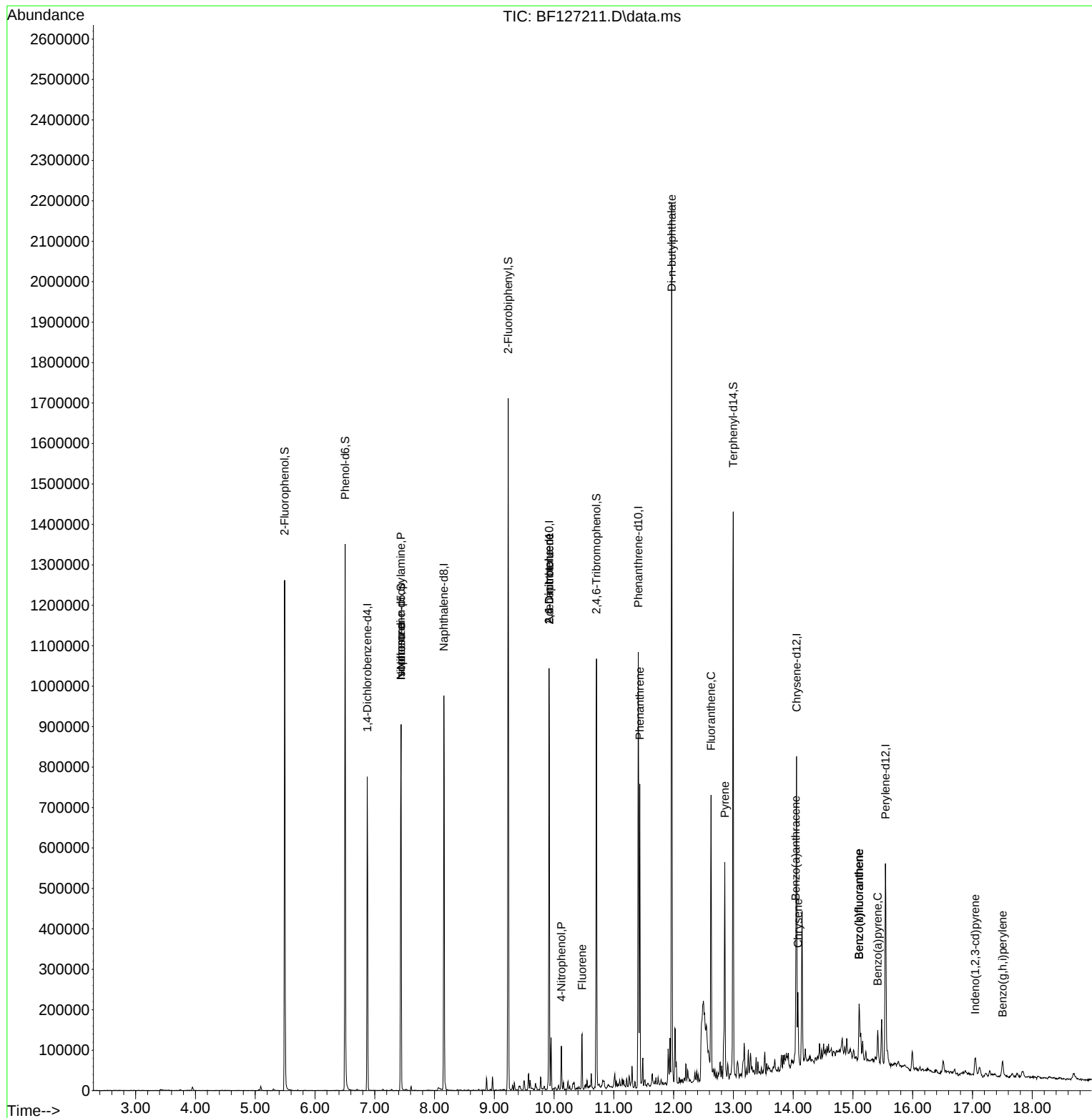
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 100946   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 401910   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.916  | 164  | 198468   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 345770   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.057 | 240  | 205456   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.545 | 264  | 194191   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.492  | 112  | 308173   | 47.184 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.504  | 99   | 399620   | 45.344 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.439  | 82   | 266254   | 29.902 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 113647   | 49.734 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 446290   | 33.104 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 448850   | 32.115 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.439  | 70   | 35352    | 6.225  | ng    | # 79     |
| 25) Isophorone                | 7.439  | 82   | 266250   | 18.070 | ng    | # 69     |
| 51) 2,6-Dinitrotoluene        | 9.916  | 165  | 26065    | 9.031  | ng    | # 21     |
| 56) 4-Nitrophenol             | 10.122 | 139  | 13298    | 5.103  | ng    | # 7      |
| 57) 2,4-Dinitrotoluene        | 9.916  | 165  | 26065    | 6.679  | ng    | # 15     |
| 58) Fluorene                  | 10.469 | 166  | 37398    | 2.834  | ng    | 97       |
| 71) Phenanthrene              | 11.433 | 178  | 231693   | 11.972 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.968 | 149  | 960007   | 42.265 | ng    | 99       |
| 75) Fluoranthene              | 12.627 | 202  | 232579   | 12.657 | ng    | 94       |
| 78) Pyrene                    | 12.857 | 202  | 194494   | 10.896 | ng    | 100      |
| 81) Benzo(a)anthracene        | 14.045 | 228  | 67387    | 4.865  | ng    | 99       |
| 83) Chrysene                  | 14.080 | 228  | 60154    | 4.618  | ng    | 95       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.045 | 276  | 29932    | 2.351  | ng    | # 84     |
| 88) Benzo(b)fluoranthene      | 15.104 | 252  | 92979    | 7.129  | ng    | # 96     |
| 89) Benzo(k)fluoranthene      | 15.104 | 252  | 92979    | 7.391  | ng    | 96       |
| 90) Benzo(a)pyrene            | 15.415 | 252  | 32336    | 3.174  | ng    | 94       |
| 92) Benzo(g,h,i)perylene      | 17.503 | 276  | 29670    | 2.858  | ng    | # 88     |
| -----                         |        |      |          |        |       |          |

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Mar 05 02:16:58 2022  
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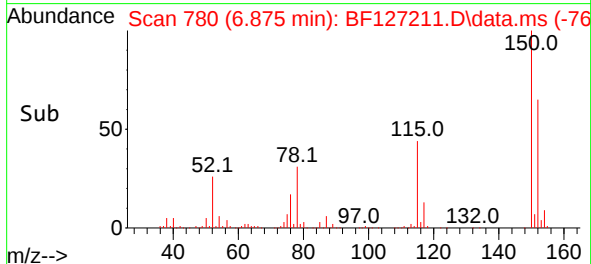
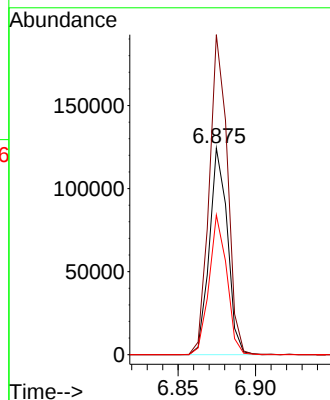
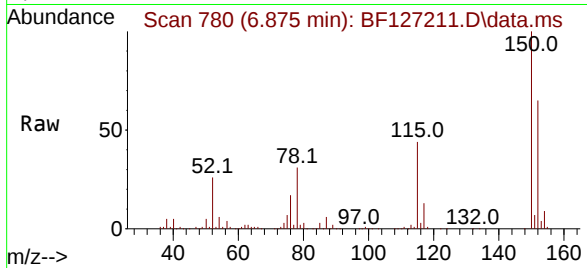




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.875 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF127211.D  
Acq: 04 Mar 2022 20:07

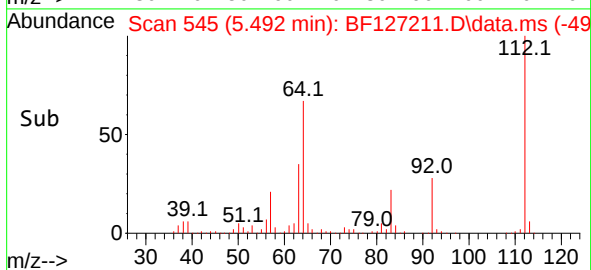
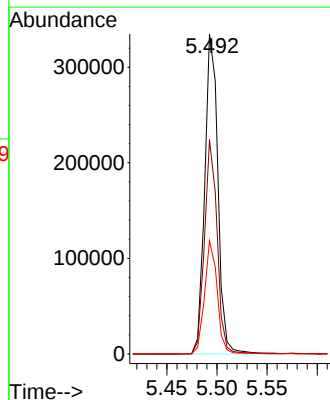
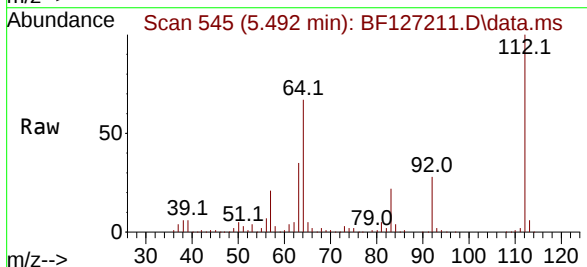
Instrument :  
BNA\_F  
ClientSampleId :  
332DL

Tgt Ion:152 Resp: 100946  
Ion Ratio Lower Upper  
152 100  
150 154.9 128.1 192.1  
115 67.6 56.7 85.1



#5  
2-Fluorophenol  
Concen: 47.184 ng  
RT: 5.492 min Scan# 545  
Delta R.T. -0.006 min  
Lab File: BF127211.D  
Acq: 04 Mar 2022 20:07

Tgt Ion:112 Resp: 308173  
Ion Ratio Lower Upper  
112 100  
64 66.9 49.5 74.3  
63 35.4 23.9 35.9

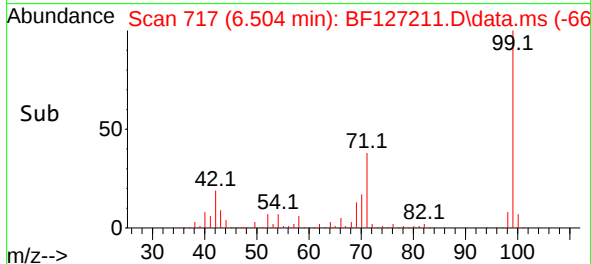
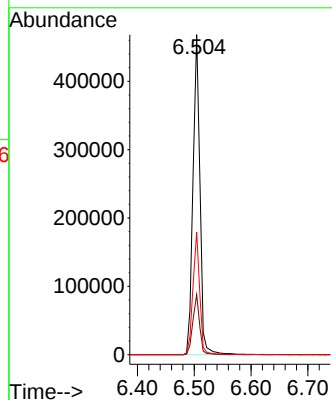
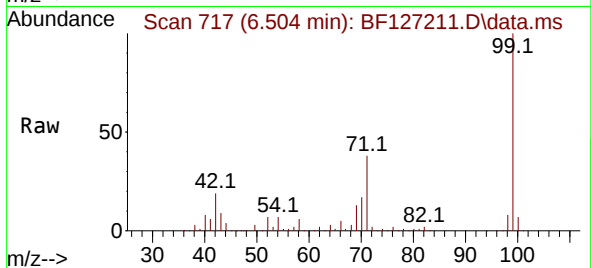




#7  
Phenol-d6  
Concen: 45.344 ng  
RT: 6.504 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF127211.D  
Acq: 04 Mar 2022 20:07

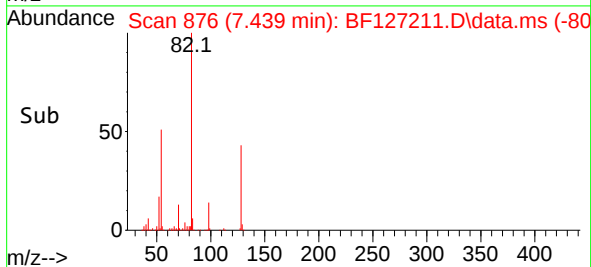
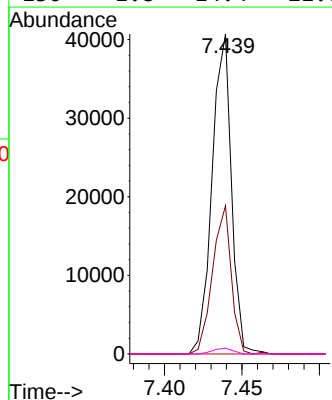
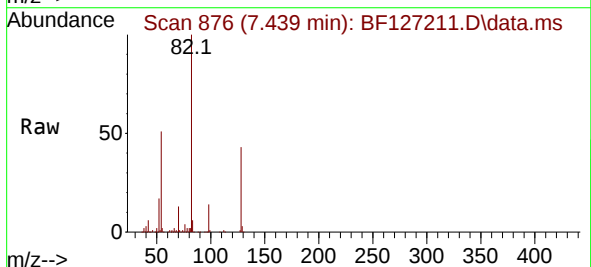
Instrument :  
BNA\_F  
ClientSampleId :  
332DL

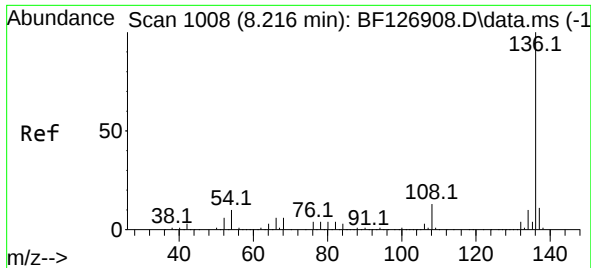
Tgt Ion: 99 Resp: 399620  
Ion Ratio Lower Upper  
99 100  
42 18.8 14.2 21.4  
71 38.4 24.3 36.5#



#19  
n-Nitroso-di-n-propylamine  
Concen: 6.225 ng  
RT: 7.439 min Scan# 876  
Delta R.T. 0.147 min  
Lab File: BF127211.D  
Acq: 04 Mar 2022 20:07

Tgt Ion: 70 Resp: 35352  
Ion Ratio Lower Upper  
70 100  
42 46.3 45.8 68.8  
101 0.0 6.9 10.3#  
130 1.8 14.4 21.6#

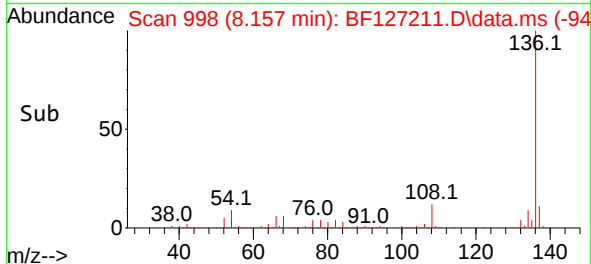
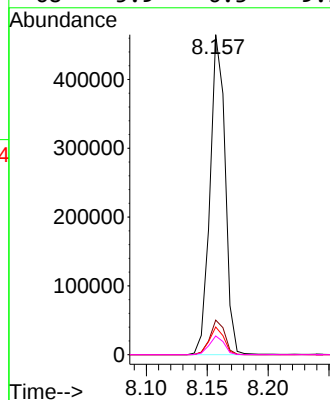
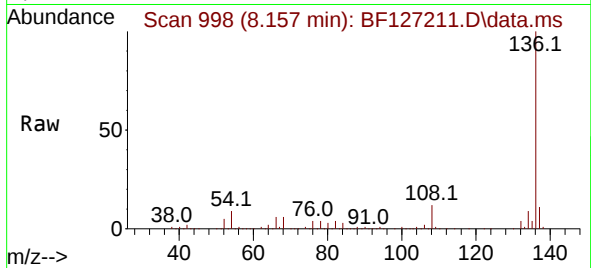




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF127211.D  
Acq: 04 Mar 2022 20:07

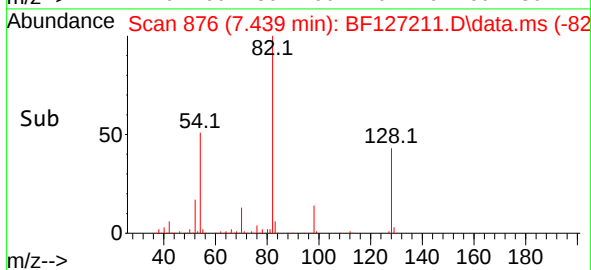
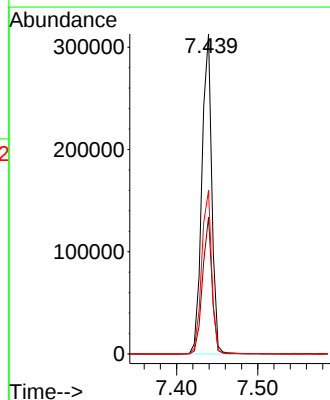
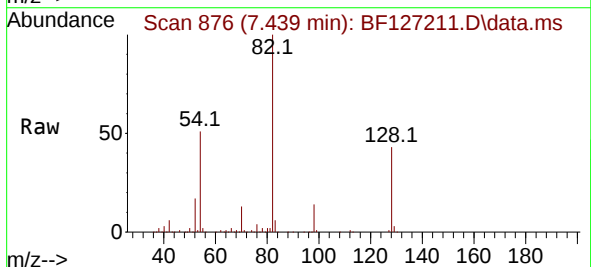
Instrument :  
BNA\_F  
ClientSampleId :  
332DL

Tgt Ion:136 Resp: 401910  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.6 13.0  
54 8.6 7.8 11.6  
68 5.9 6.3 9.5#



#23  
Nitrobenzene-d5  
Concen: 29.902 ng  
RT: 7.439 min Scan# 876  
Delta R.T. -0.012 min  
Lab File: BF127211.D  
Acq: 04 Mar 2022 20:07

Tgt Ion: 82 Resp: 266254  
Ion Ratio Lower Upper  
82 100  
128 42.7 32.7 49.1  
54 51.1 41.7 62.5

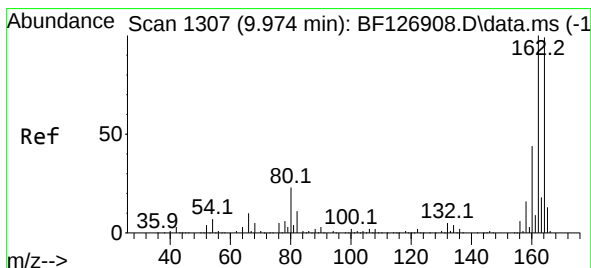
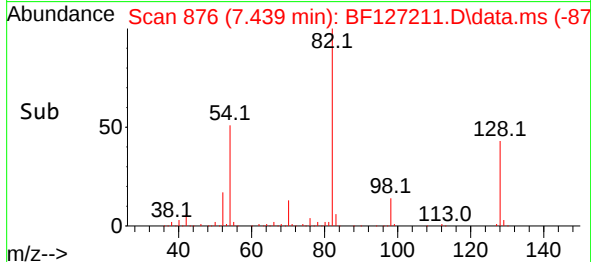
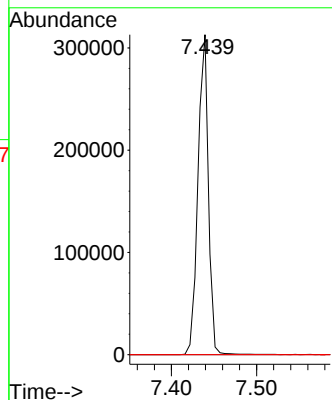
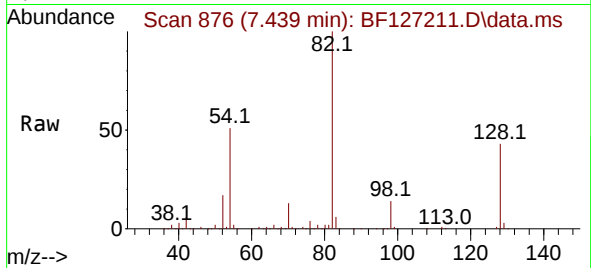




#25  
Isophorone  
Concen: 18.070 ng  
RT: 7.439 min Scan# 81  
Delta R.T. -0.265 min  
Lab File: BF127211.D  
Acq: 04 Mar 2022 20:07

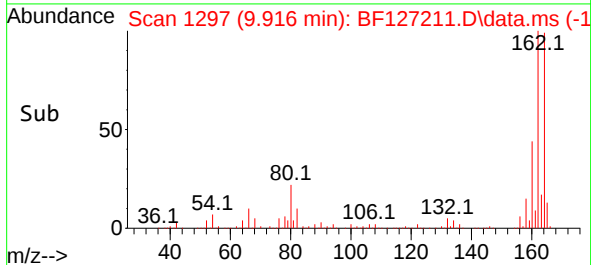
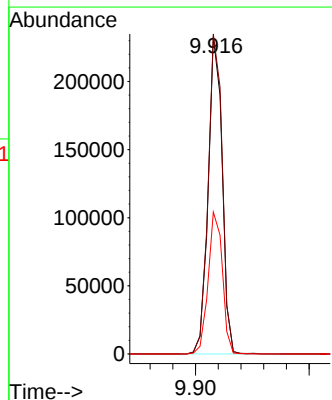
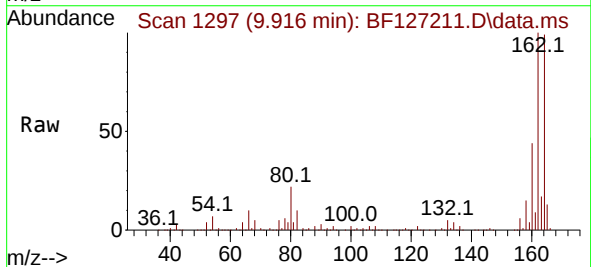
Instrument :  
BNA\_F  
ClientSampleId :  
332DL

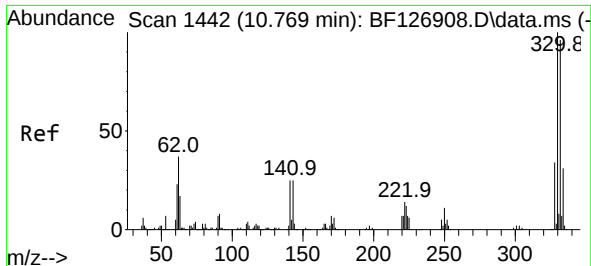
Tgt Ion: 82 Resp: 266250  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.0 7.4#  
138 0.0 12.3 18.5#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.916 min Scan# 1297  
Delta R.T. -0.006 min  
Lab File: BF127211.D  
Acq: 04 Mar 2022 20:07

Tgt Ion: 164 Resp: 198468  
Ion Ratio Lower Upper  
164 100  
162 100.8 81.4 122.0  
160 44.7 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 49.734 ng

RT: 10.710 min Scan# 1442

Delta R.T. -0.006 min

Lab File: BF127211.D

Acq: 04 Mar 2022 20:07

Instrument :

BNA\_F

ClientSampleId :

332DL

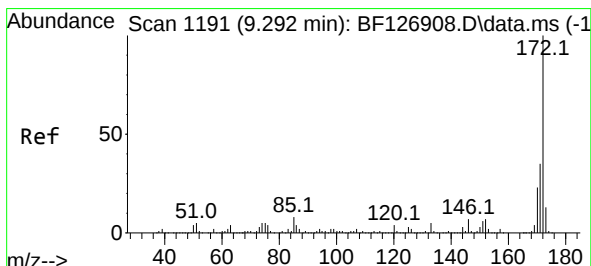
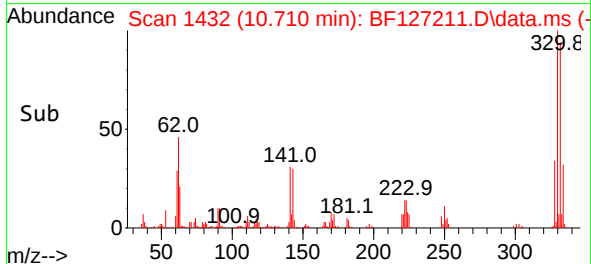
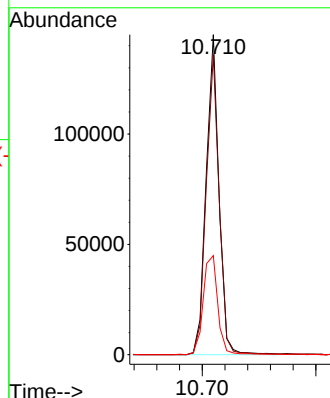
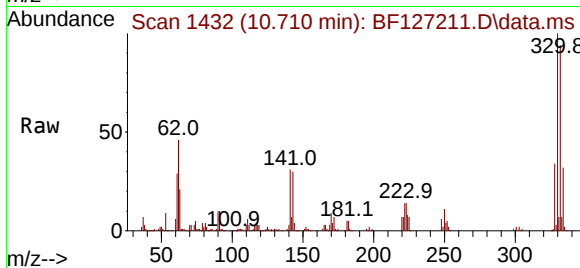
Tgt Ion:330 Resp: 113647

Ion Ratio Lower Upper

330 100

332 94.8 76.0 114.0

141 35.6 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 33.104 ng

RT: 9.233 min Scan# 1181

Delta R.T. -0.006 min

Lab File: BF127211.D

Acq: 04 Mar 2022 20:07

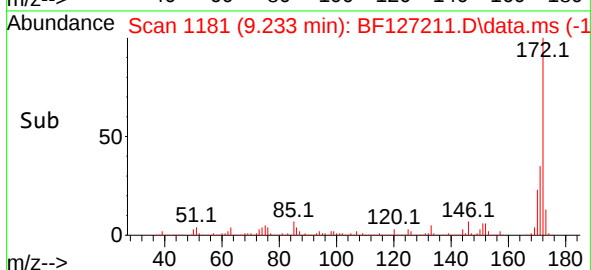
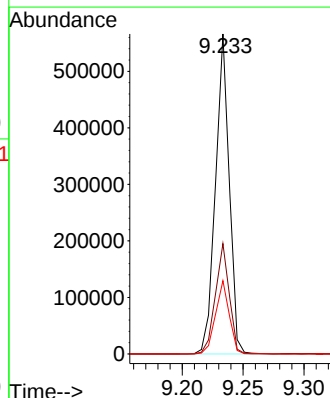
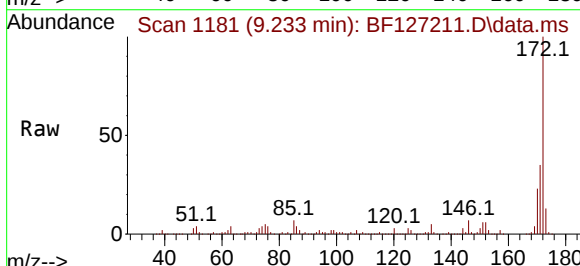
Tgt Ion:172 Resp: 446290

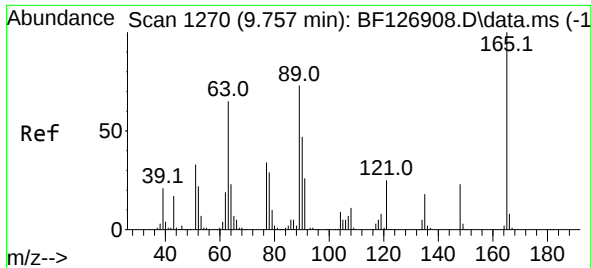
Ion Ratio Lower Upper

172 100

171 34.5 28.3 42.5

170 22.9 19.0 28.6

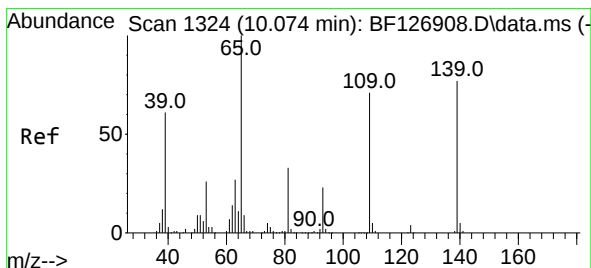
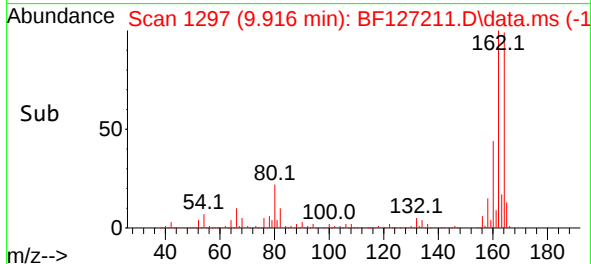
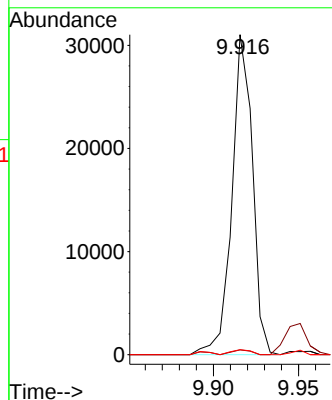
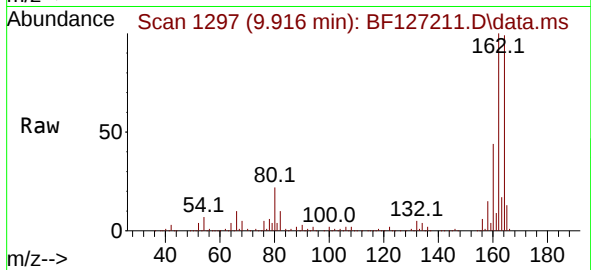




#51  
2,6-Dinitrotoluene  
Concen: 9.031 ng  
RT: 9.916 min Scan# 11  
Delta R.T. 0.206 min  
Lab File: BF127211.D  
Acq: 04 Mar 2022 20:07

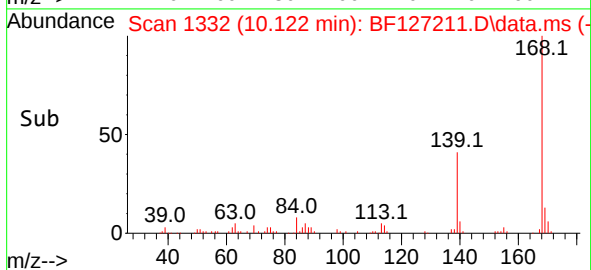
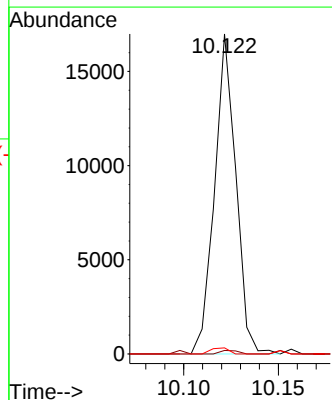
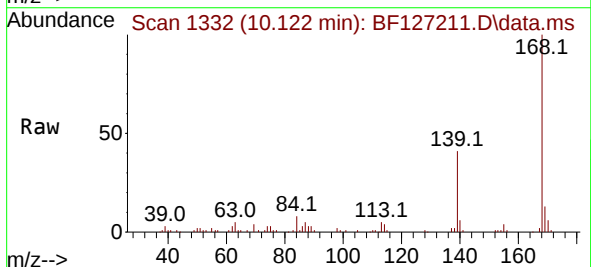
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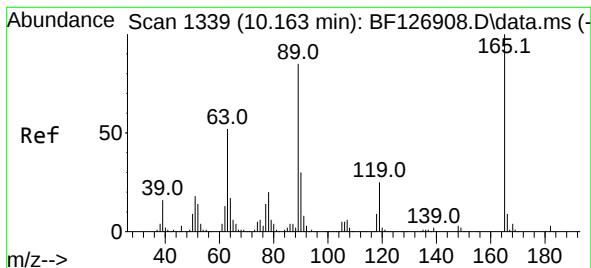
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Ion Ratio Lower Upper  
165 100  
63 1.5 48.4 72.6#  
89 1.5 50.5 75.7#



#56  
4-Nitrophenol  
Concen: 5.103 ng  
RT: 10.122 min Scan# 1332  
Delta R.T. 0.076 min  
Lab File: BF127211.D  
Acq: 04 Mar 2022 20:07

Tgt Ion:139 Resp: 13298  
Ion Ratio Lower Upper  
139 100  
109 1.1 44.1 84.1#  
65 1.9 85.5 125.5#

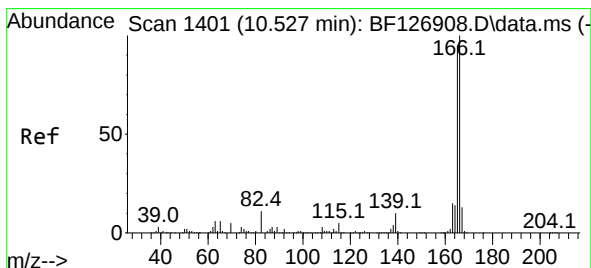
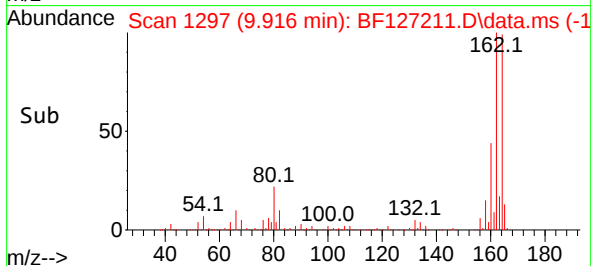
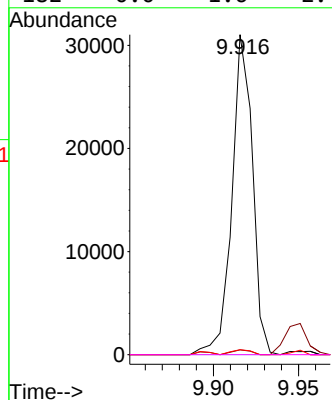
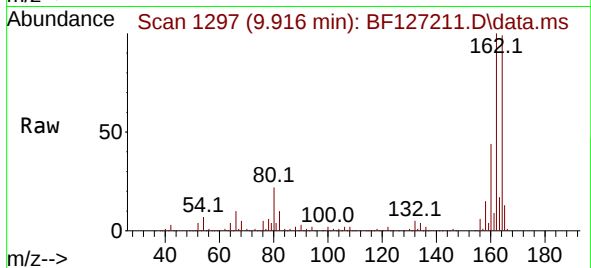




#57  
2,4-Dinitrotoluene  
Concen: 6.679 ng  
RT: 9.916 min Scan# 1391  
Delta R.T. -0.200 min  
Lab File: BF127211.D  
Acq: 04 Mar 2022 20:07

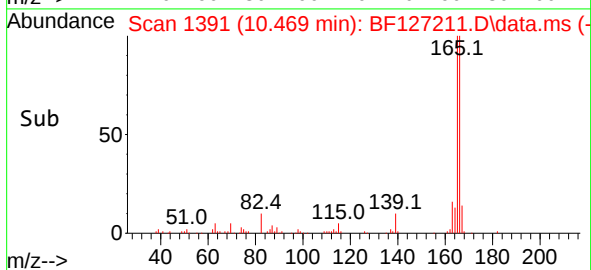
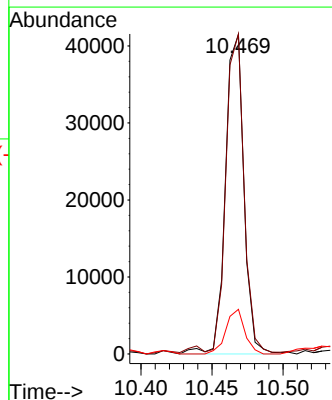
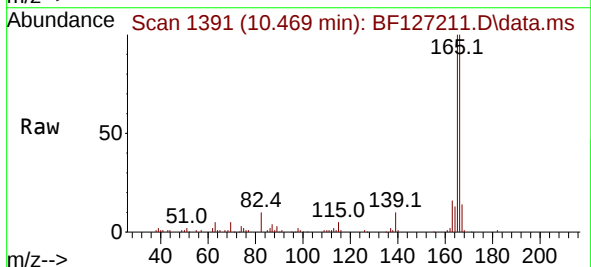
Instrument :  
BNA\_F  
ClientSampleId :  
332DL

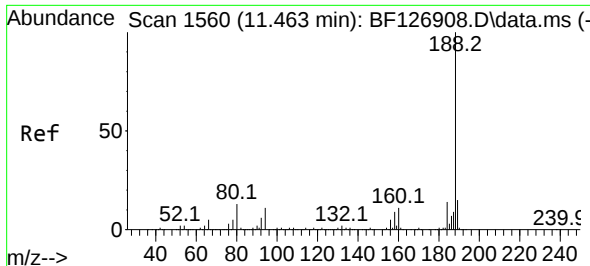
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Ion Ratio Lower Upper  
165 100  
63 1.5 43.0 64.6#  
89 1.5 71.0 106.4#  
182 0.0 1.6 2.4#



#58  
Fluorene  
Concen: 2.834 ng  
RT: 10.469 min Scan# 1391  
Delta R.T. -0.006 min  
Lab File: BF127211.D  
Acq: 04 Mar 2022 20:07

Tgt Ion:166 Resp: 37398  
Ion Ratio Lower Upper  
166 100  
165 100.1 77.7 116.5  
167 14.0 10.7 16.1

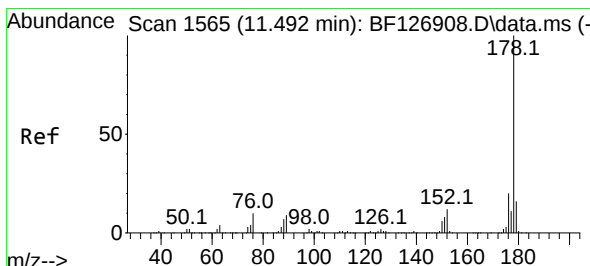
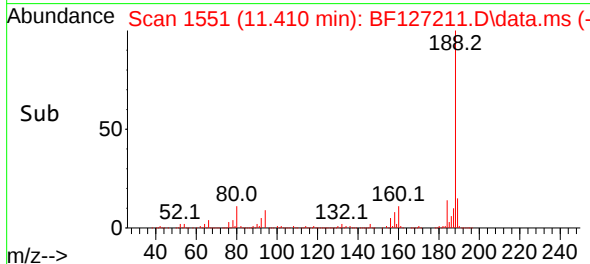
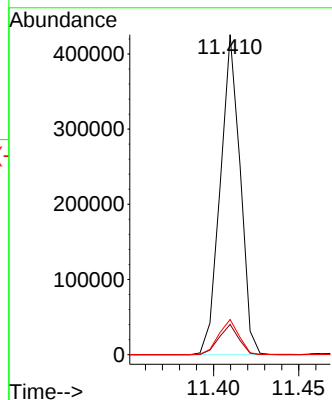
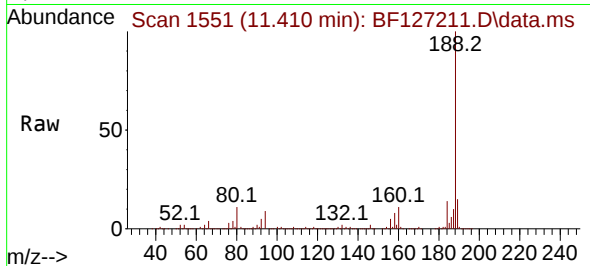




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF127211.D  
Acq: 04 Mar 2022 20:07

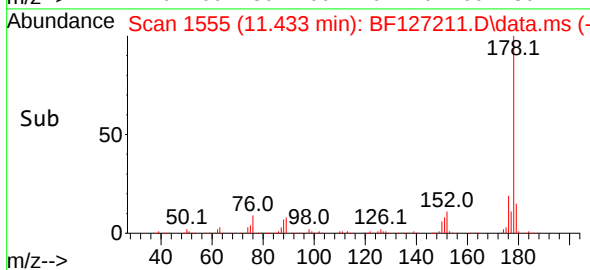
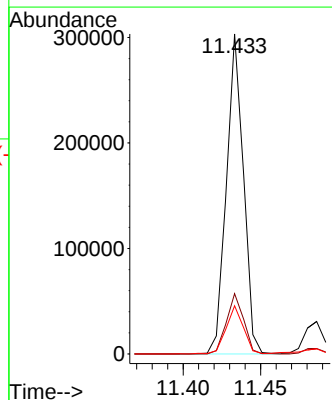
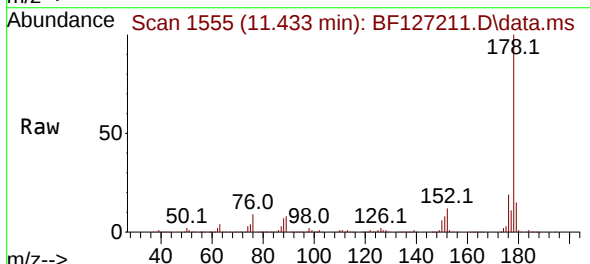
Instrument :  
BNA\_F  
ClientSampleId :  
332DL

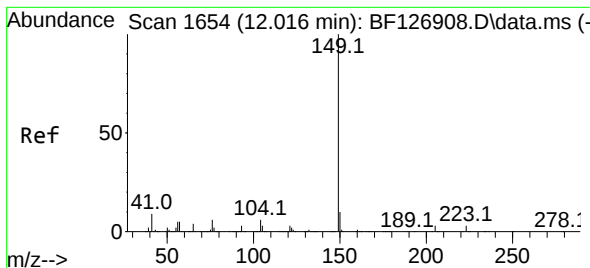
Tgt Ion:188 Resp: 345770  
Ion Ratio Lower Upper  
188 100  
94 9.4 10.1 15.1#  
80 11.0 11.8 17.6#



#71  
Phenanthrene  
Concen: 11.972 ng  
RT: 11.433 min Scan# 1555  
Delta R.T. -0.006 min  
Lab File: BF127211.D  
Acq: 04 Mar 2022 20:07

Tgt Ion:178 Resp: 231693  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.7 23.5  
179 15.0 12.3 18.5





#74

Di-n-butylphthalate

Concen: 42.265 ng

RT: 11.968 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF127211.D

Acq: 04 Mar 2022 20:07

Instrument :

BNA\_F

ClientSampleId :

332DL

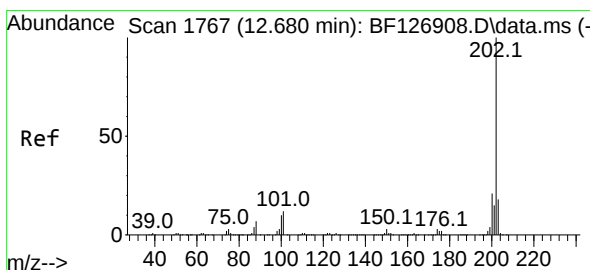
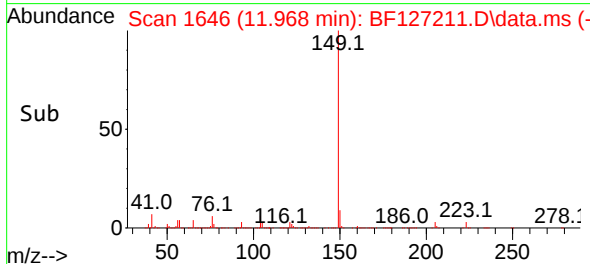
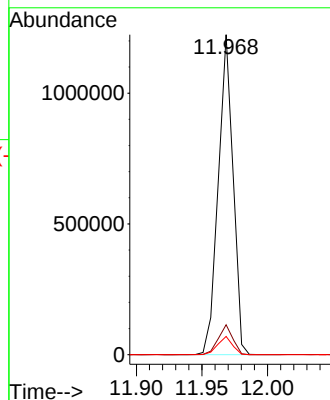
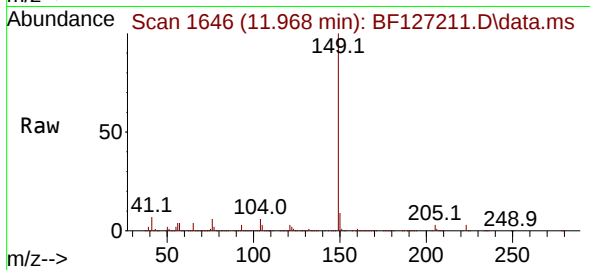
Tgt Ion:149 Resp: 960007

Ion Ratio Lower Upper

149 100

150 9.3 7.2 10.8

104 5.7 4.2 6.2



#75

Fluoranthene

Concen: 12.657 ng

RT: 12.627 min Scan# 1758

Delta R.T. -0.006 min

Lab File: BF127211.D

Acq: 04 Mar 2022 20:07

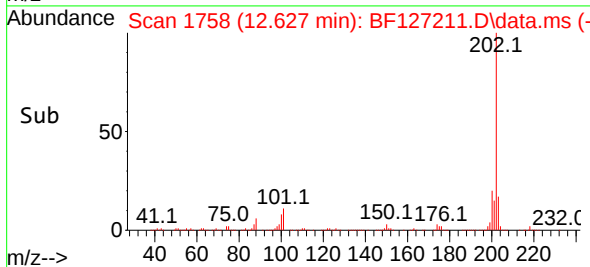
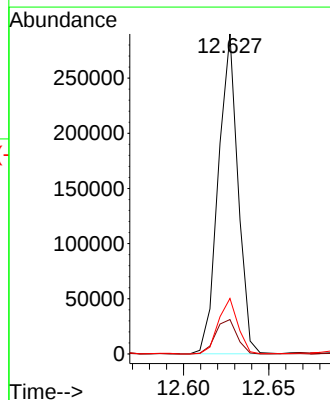
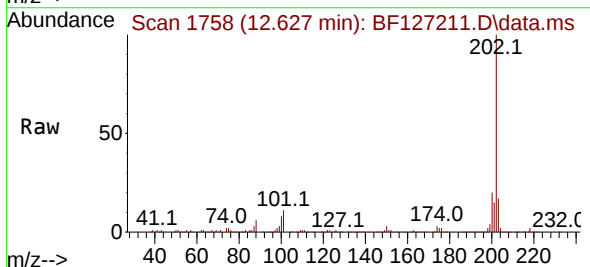
Tgt Ion:202 Resp: 232579

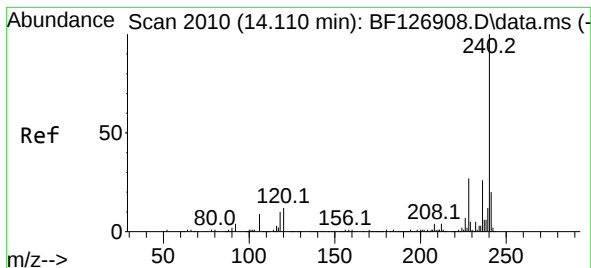
Ion Ratio Lower Upper

202 100

101 10.7 0.0 35.7

203 17.4 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF127211.D

Acq: 04 Mar 2022 20:07

Instrument :

BNA\_F

ClientSampleId :

332DL

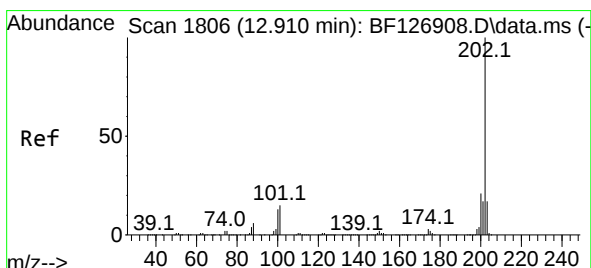
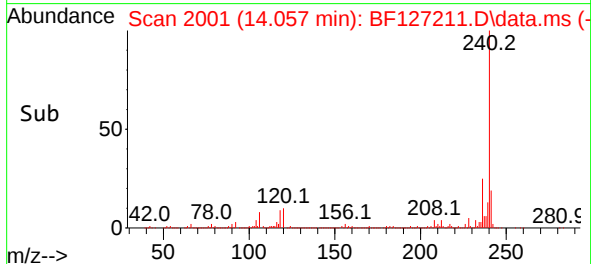
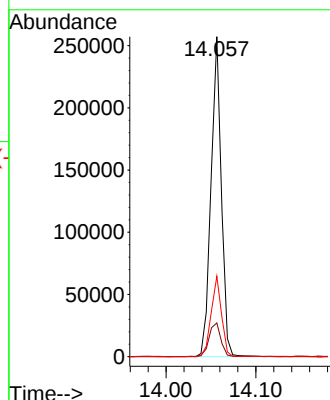
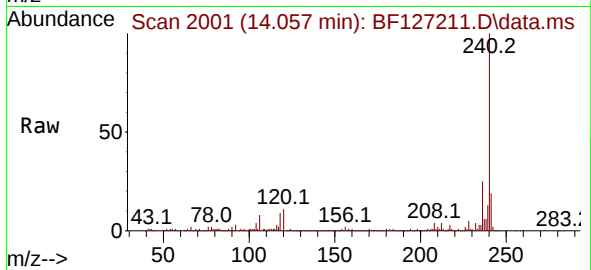
Tgt Ion:240 Resp: 205456

Ion Ratio Lower Upper

240 100

120 10.6 14.4 21.6#

236 25.2 20.5 30.7



#78

Pyrene

Concen: 10.896 ng

RT: 12.857 min Scan# 1797

Delta R.T. -0.006 min

Lab File: BF127211.D

Acq: 04 Mar 2022 20:07

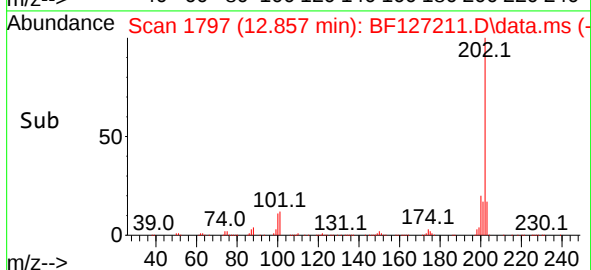
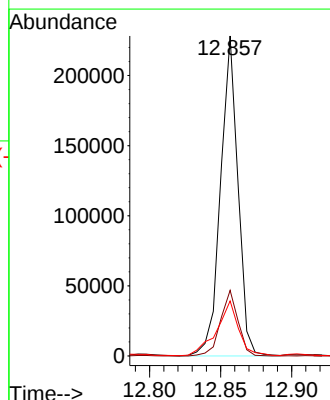
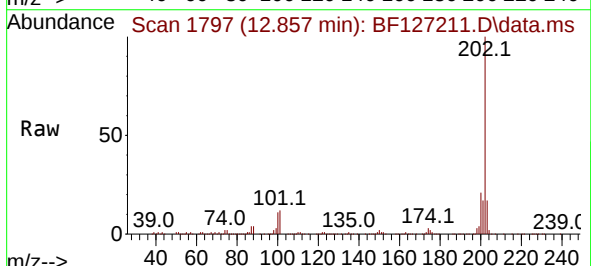
Tgt Ion:202 Resp: 194494

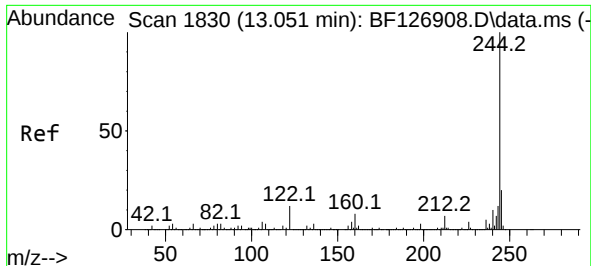
Ion Ratio Lower Upper

202 100

200 20.5 16.6 24.8

203 17.2 13.8 20.8

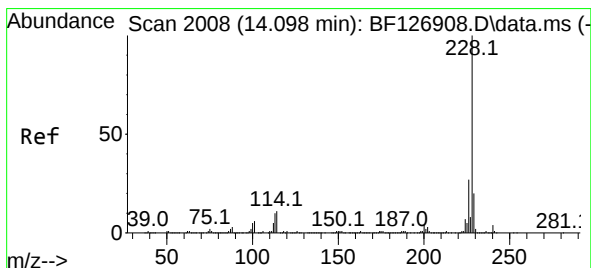
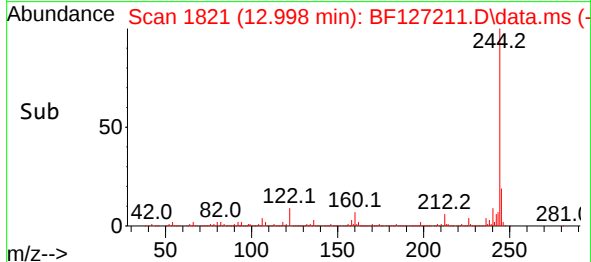
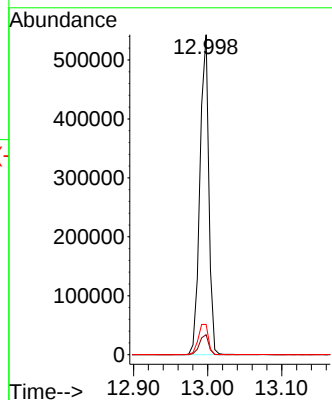
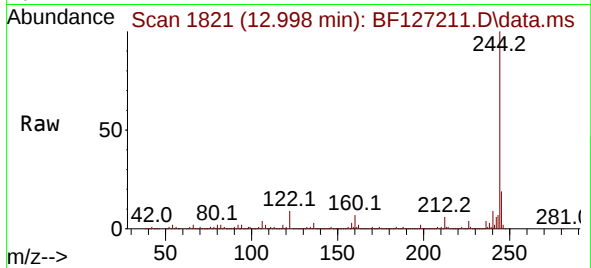




#79  
 Terphenyl-d14  
 Concen: 32.115 ng  
 RT: 12.998 min Scan# 1821  
 Delta R.T. -0.000 min  
 Lab File: BF127211.D  
 Acq: 04 Mar 2022 20:07

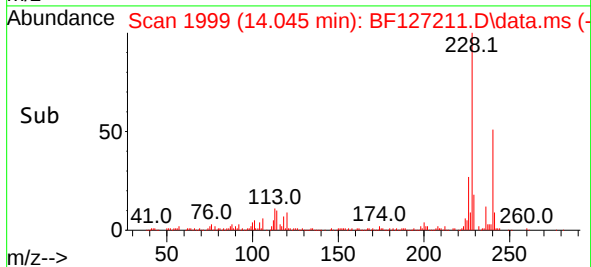
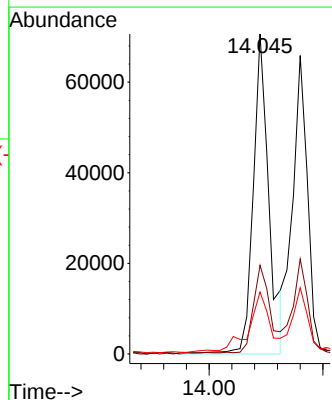
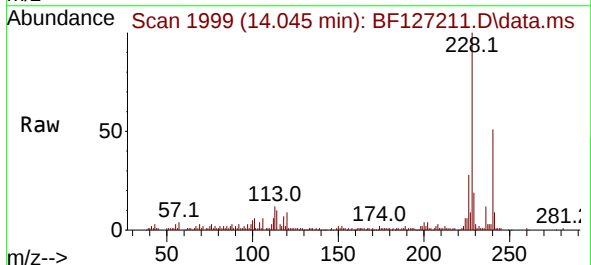
Instrument :  
 BNA\_F  
 ClientSampleId :  
 332DL

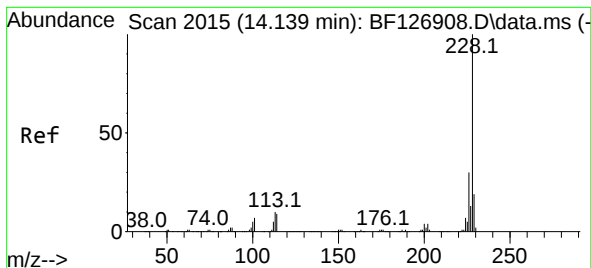
Tgt Ion:244 Resp: 448850  
 Ion Ratio Lower Upper  
 244 100  
 212 6.3 5.0 7.4  
 122 9.4 13.3 19.9#



#81  
 Benzo(a)anthracene  
 Concen: 4.865 ng  
 RT: 14.045 min Scan# 1999  
 Delta R.T. -0.006 min  
 Lab File: BF127211.D  
 Acq: 04 Mar 2022 20:07

Tgt Ion:228 Resp: 67387  
 Ion Ratio Lower Upper  
 228 100  
 226 27.7 21.4 32.0  
 229 19.3 15.4 23.2





#83

Chrysene

Concen: 4.618 ng

RT: 14.080 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF127211.D

Acq: 04 Mar 2022 20:07

Instrument :

BNA\_F

ClientSampleId :

332DL

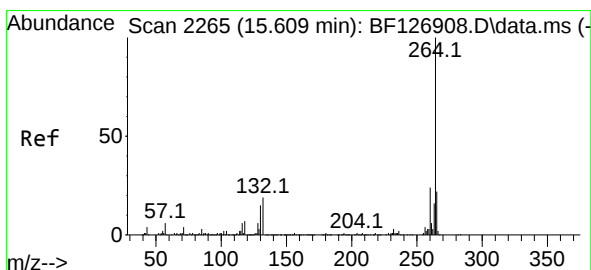
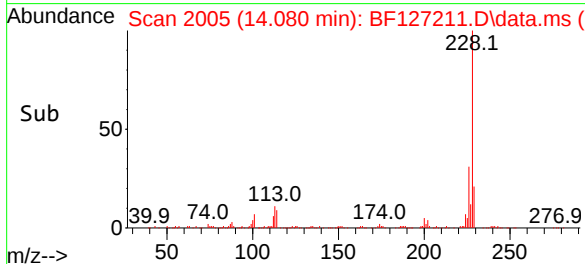
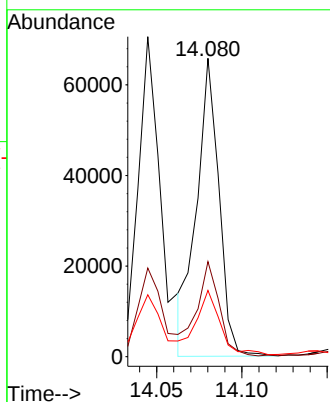
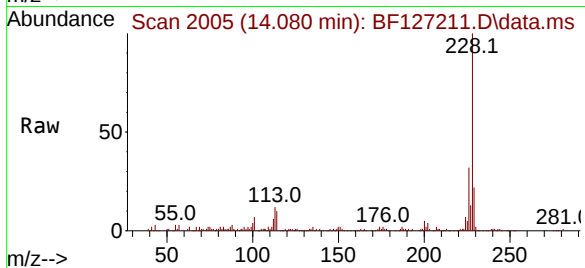
Tgt Ion:228 Resp: 60154

Ion Ratio Lower Upper

228 100

226 31.8 23.7 35.5

229 22.2 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2254

Delta R.T. -0.000 min

Lab File: BF127211.D

Acq: 04 Mar 2022 20:07

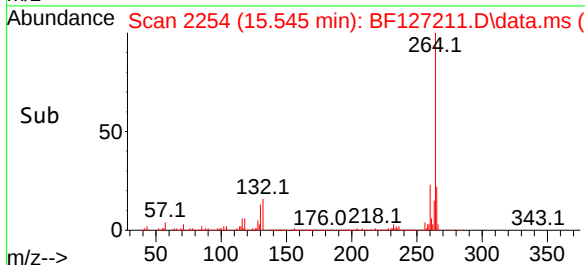
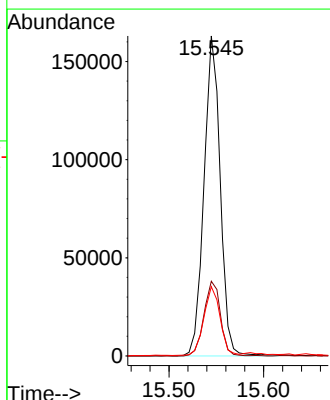
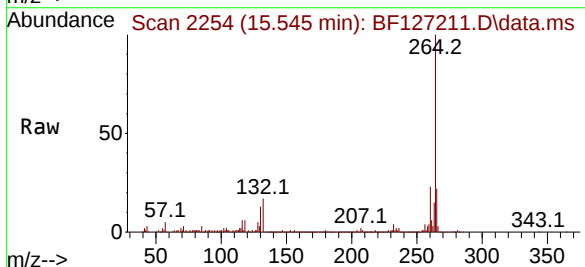
Tgt Ion:264 Resp: 194191

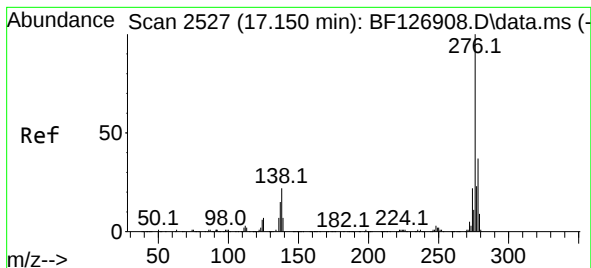
Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.6 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.351 ng

RT: 17.045 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF127211.D

Acq: 04 Mar 2022 20:07

Instrument :

BNA\_F

ClientSampleId :

332DL

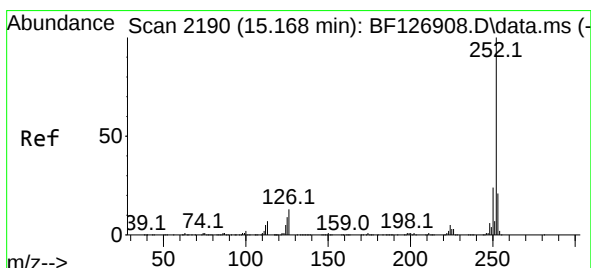
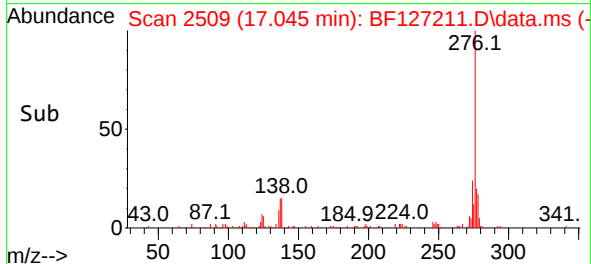
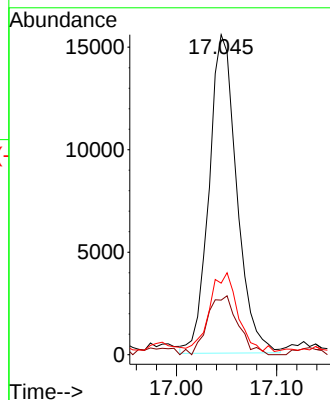
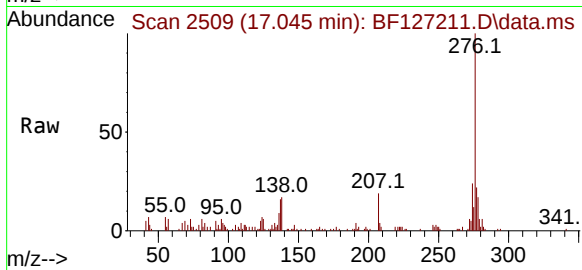
Tgt Ion:276 Resp: 29932

Ion Ratio Lower Upper

276 100

138 20.5 29.2 43.8#

277 24.7 19.8 29.8



#88

Benzo(b)fluoranthene

Concen: 7.129 ng

RT: 15.104 min Scan# 2179

Delta R.T. -0.006 min

Lab File: BF127211.D

Acq: 04 Mar 2022 20:07

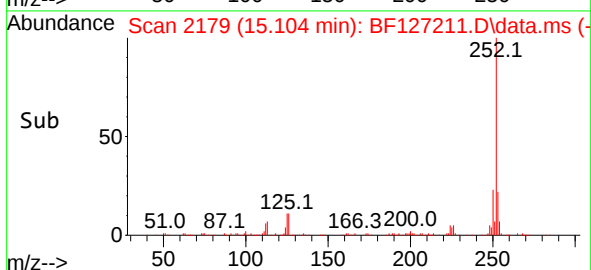
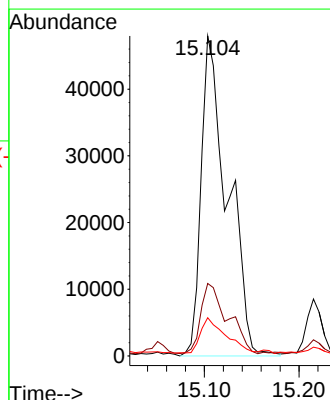
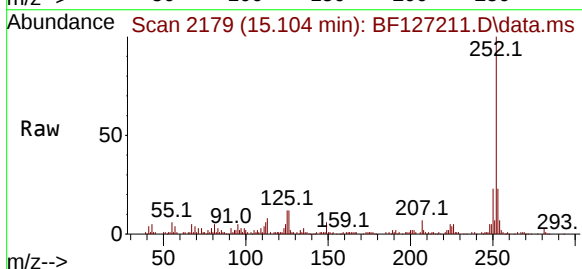
Tgt Ion:252 Resp: 92979

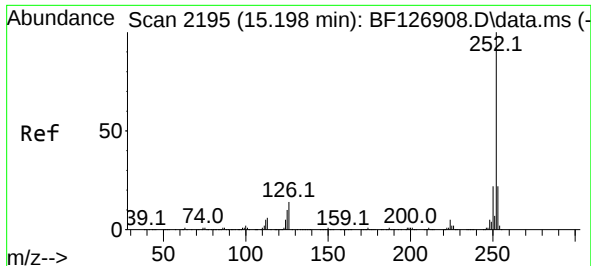
Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

125 12.0 12.4 18.6#

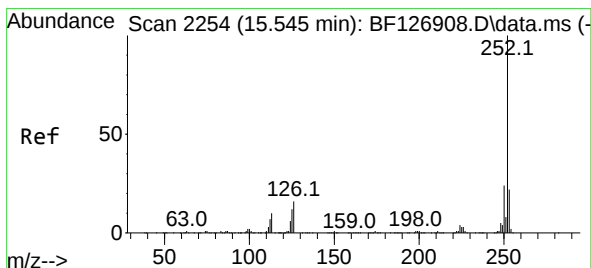
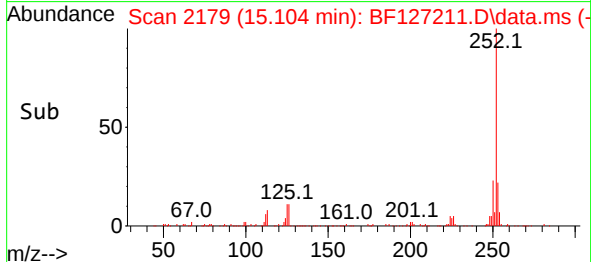
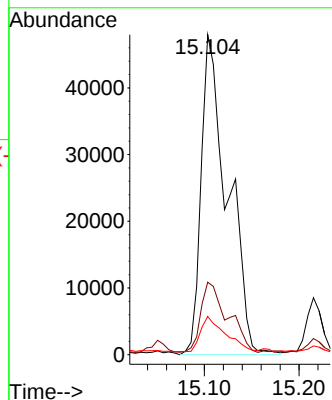
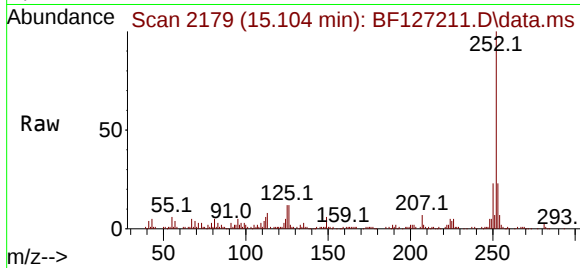




#89  
Benzo(k)fluoranthene  
Concen: 7.391 ng  
RT: 15.104 min Scan# 2195  
Delta R.T. -0.035 min  
Lab File: BF127211.D  
Acq: 04 Mar 2022 20:07

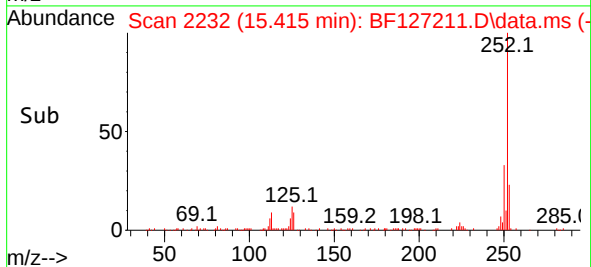
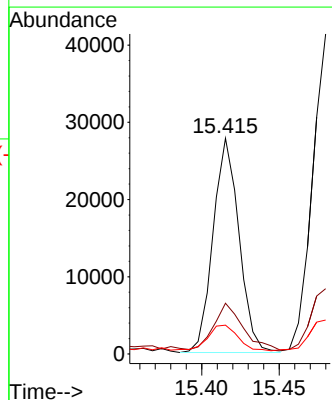
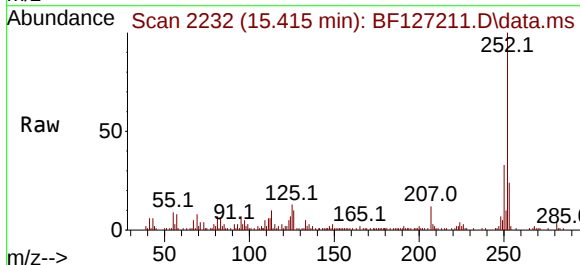
Instrument :  
BNA\_F  
ClientSampleId :  
332DL

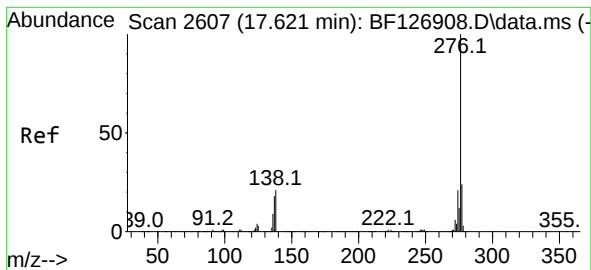
Tgt Ion:252 Resp: 92979  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.5 26.3  
125 12.0 11.8 17.6



#90  
Benzo(a)pyrene  
Concen: 3.174 ng  
RT: 15.415 min Scan# 2232  
Delta R.T. -0.071 min  
Lab File: BF127211.D  
Acq: 04 Mar 2022 20:07

Tgt Ion:252 Resp: 32336  
Ion Ratio Lower Upper  
252 100  
253 23.5 17.1 25.7  
125 13.3 13.0 19.6





#92

Benzo(g,h,i)perylene

Concen: 2.858 ng

RT: 17.503 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF127211.D

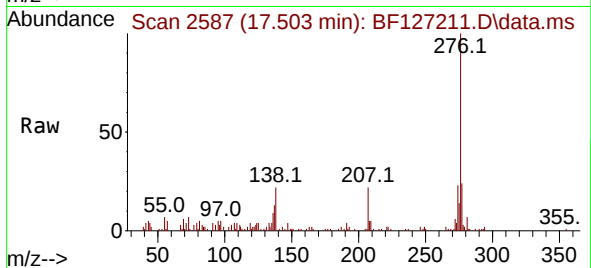
Acq: 04 Mar 2022 20:07

Instrument :

BNA\_F

ClientSampleId :

332DL



Tgt Ion:276 Resp: 29670

Ion Ratio Lower Upper

276 100

277 23.5 18.5 27.7

138 21.6 25.9 38.9#

