

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF012622\  
 Data File : BF126701.D  
 Acq On : 26 Jan 2022 21:51  
 Operator : CG/JU  
 Sample : N1266-05  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RB-09-(2.8-3.6)

Quant Time: Jan 27 03:15:27 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011822.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 27 03:09:40 2022  
 Response via : Initial Calibration

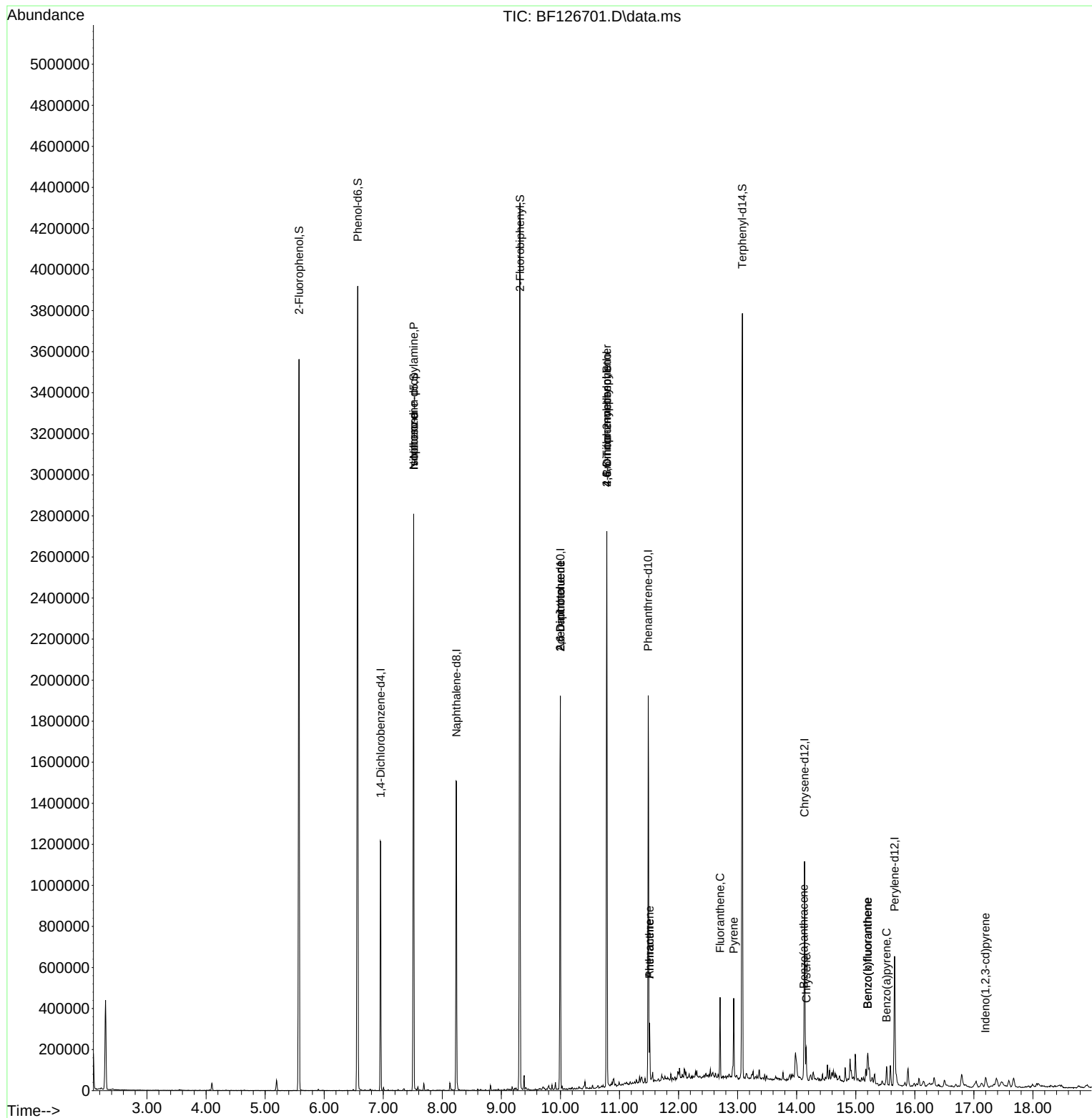
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min)    |
|-------------------------------|--------|------|----------|-----------|-------|-------------|
| Internal Standards            |        |      |          |           |       |             |
| 1) 1,4-Dichlorobenzene-d4     | 6.957  | 152  | 168723   | 20.000    | ng    | 0.00        |
| 21) Naphthalene-d8            | 8.239  | 136  | 666287   | 20.000    | ng    | 0.00        |
| 39) Acenaphthene-d10          | 9.998  | 164  | 362097   | 20.000    | ng    | 0.00        |
| 64) Phenanthrene-d10          | 11.486 | 188  | 591301   | 20.000    | ng    | # 0.00      |
| 76) Chrysene-d12              | 14.133 | 240  | 314416   | 20.000    | ng    | #-0.01      |
| 86) Perylene-d12              | 15.657 | 264  | 239063   | 20.000    | ng    | 0.00        |
| System Monitoring Compounds   |        |      |          |           |       |             |
| 5) 2-Fluorophenol             | 5.575  | 112  | 937740   | 73.136    | ng    | 0.00        |
| 7) Phenol-d6                  | 6.569  | 99   | 1457147  | 81.796    | ng    | 0.00        |
| 23) Nitrobenzene-d5           | 7.516  | 82   | 1011473  | 59.419    | ng    | 0.00        |
| 42) 2,4,6-Tribromophenol      | 10.786 | 330  | 272068   | 80.288    | ng    | 0.00        |
| 45) 2-Fluorobiphenyl          | 9.316  | 172  | 1327429  | 56.144    | ng    | 0.00        |
| 79) Terphenyl-d14             | 13.080 | 244  | 1196918  | 63.850    | ng    | 0.00        |
| Target Compounds              |        |      |          |           |       |             |
| 9) Benzaldehyde               | 6.510  | 77   | 114      | Below Cal |       | Qvalue # 20 |
| 19) n-Nitroso-di-n-propyla... | 7.516  | 70   | 133561   | 10.272    | ng    | # 68        |
| 25) Isophorone                | 7.516  | 82   | 1004359  | 30.423    | ng    | # 69        |
| 51) 2,6-Dinitrotoluene        | 9.998  | 165  | 45819    | 10.325    | ng    | # 22        |
| 57) 2,4-Dinitrotoluene        | 9.998  | 165  | 45819    | 8.520     | ng    | # 16        |
| 65) 4,6-Dinitro-2-methylph... | 10.786 | 198  | 694      | 7.579     | ng    | # 1         |
| 67) 4-Bromophenyl-phenylether | 10.786 | 248  | 18125    | 2.660     | ng    | # 1         |
| 71) Phenanthrene              | 11.510 | 178  | 84730    | 2.508     | ng    | 98          |
| 72) Anthracene                | 11.510 | 178  | 84730    | 2.500     | ng    | 99          |
| 75) Fluoranthene              | 12.704 | 202  | 128316   | 3.846     | ng    | 98          |
| 78) Pyrene                    | 12.933 | 202  | 123698   | 4.865     | ng    | 100         |
| 81) Benzo(a)anthracene        | 14.121 | 228  | 52706    | 2.466     | ng    | 95          |
| 83) Chrysene                  | 14.163 | 228  | 60522    | 2.943     | ng    | 99          |
| 87) Indeno(1,2,3-cd)pyrene    | 17.198 | 276  | 33458    | 2.265     | ng    | # 88        |
| 88) Benzo(b)fluoranthene      | 15.204 | 252  | 102001   | 6.434     | ng    | 96          |
| 89) Benzo(k)fluoranthene      | 15.204 | 252  | 102001   | 6.553     | ng    | 97          |
| 90) Benzo(a)pyrene            | 15.521 | 252  | 35771    | 2.773     | ng    | 100         |

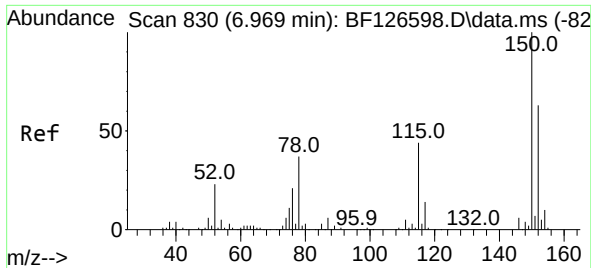
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF012622\  
Data File : BF126701.D  
Acq On : 26 Jan 2022 21:51  
Operator : CG/JU  
Sample : N1266-05  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RB-09-(2.8-3.6)

Quant Time: Jan 27 03:15:27 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011822.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jan 27 03:09:40 2022  
Response via : Initial Calibration

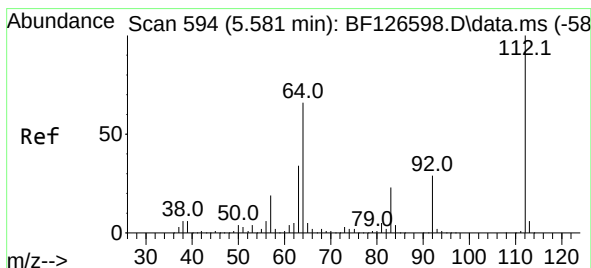
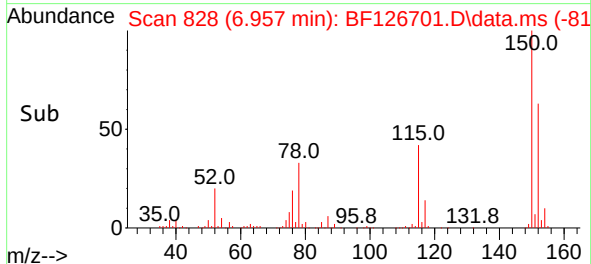
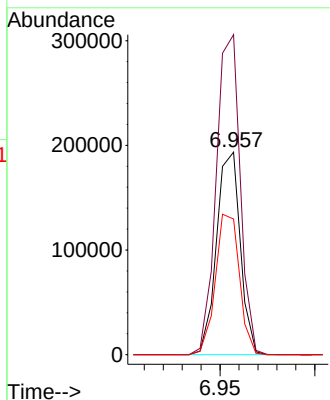
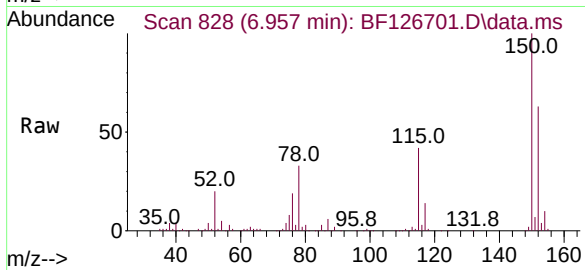




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.957 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF126701.D  
Acq: 26 Jan 2022 21:51

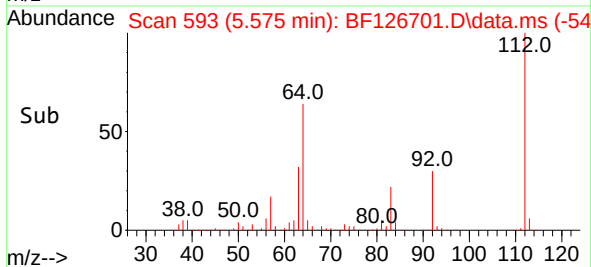
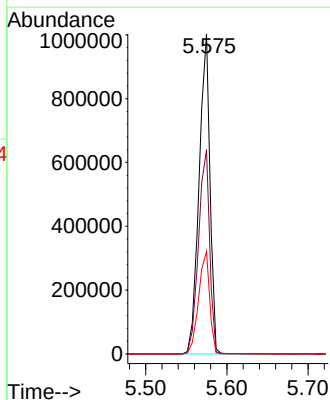
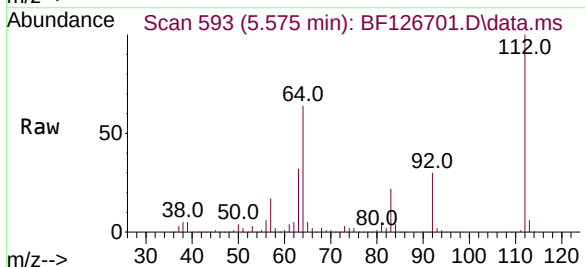
Instrument :  
BNA\_F  
ClientSampleId :  
RB-09-(2.8-3.6)

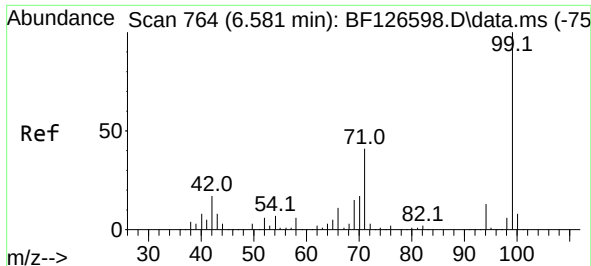
Tgt Ion:152 Resp: 168723  
Ion Ratio Lower Upper  
152 100  
150 158.0 128.1 192.1  
115 67.0 56.7 85.1



#5  
2-Fluorophenol  
Concen: 73.136 ng  
RT: 5.575 min Scan# 593  
Delta R.T. 0.006 min  
Lab File: BF126701.D  
Acq: 26 Jan 2022 21:51

Tgt Ion:112 Resp: 937740  
Ion Ratio Lower Upper  
112 100  
64 63.8 49.5 74.3  
63 32.1 23.9 35.9

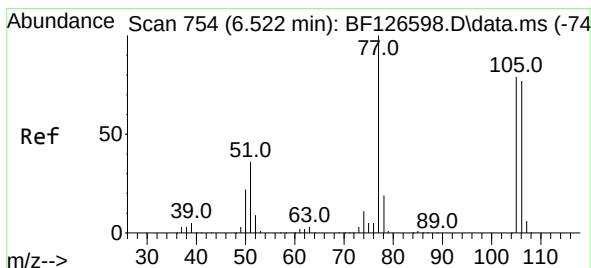
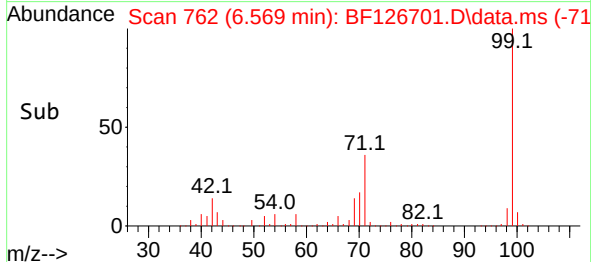
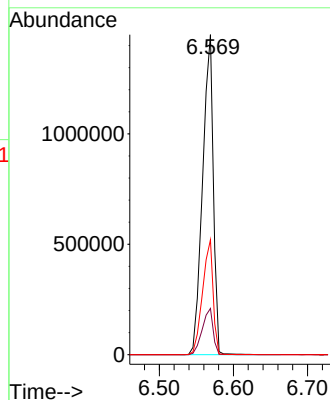
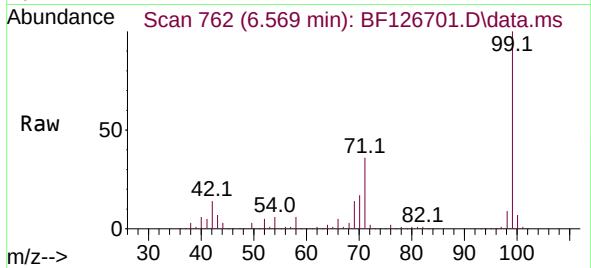




#7  
Phenol-d6  
Concen: 81.796 ng  
RT: 6.569 min Scan# 701  
Delta R.T. -0.006 min  
Lab File: BF126701.D  
Acq: 26 Jan 2022 21:51

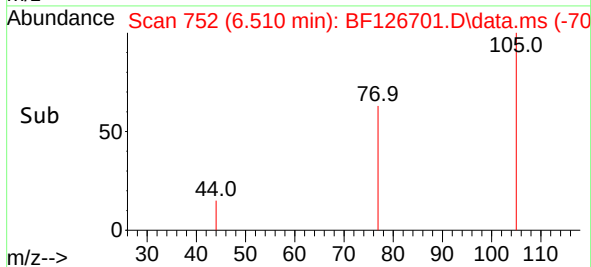
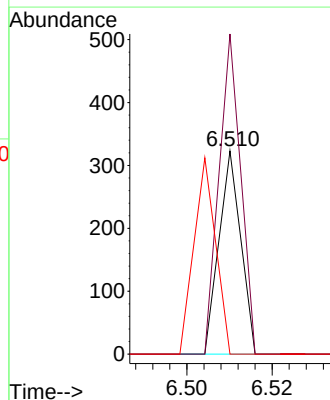
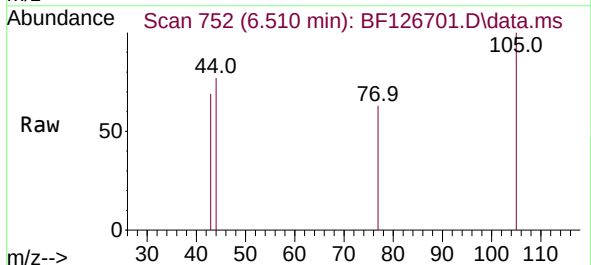
Instrument :  
BNA\_F  
ClientSampleId :  
RB-09-(2.8-3.6)

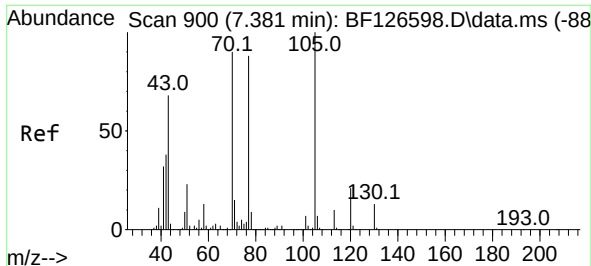
Tgt Ion: 99 Resp: 1457147  
Ion Ratio Lower Upper  
99 100  
42 14.4 14.2 21.4  
71 35.9 24.3 36.5



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.510 min Scan# 752  
Delta R.T. 0.000 min  
Lab File: BF126701.D  
Acq: 26 Jan 2022 21:51

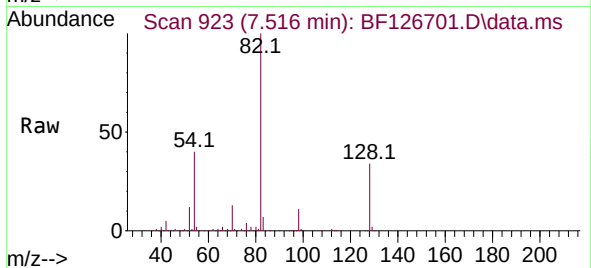
Tgt Ion: 77 Resp: 114  
Ion Ratio Lower Upper  
77 100  
105 157.6 74.9 114.9#  
106 0.0 72.4 112.4#



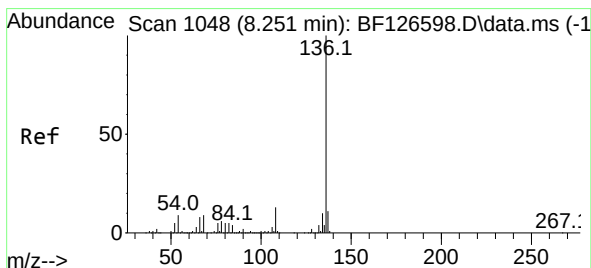
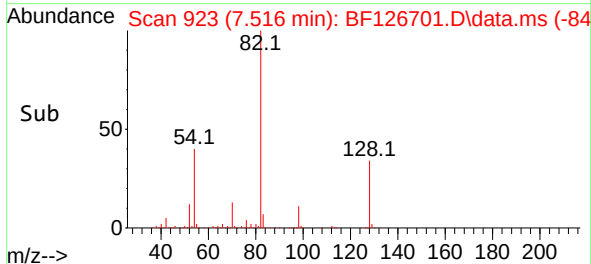
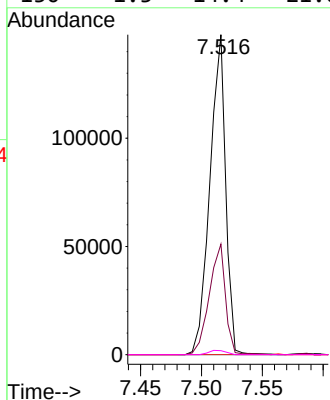


#19  
n-Nitroso-di-n-propylamine  
Concen: 10.272 ng  
RT: 7.516 min Scan# 91  
Delta R.T. 0.147 min  
Lab File: BF126701.D  
Acq: 26 Jan 2022 21:51

Instrument :  
BNA\_F  
ClientSampleId :  
RB-09-(2.8-3.6)

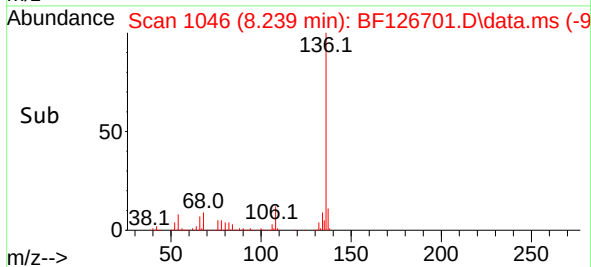
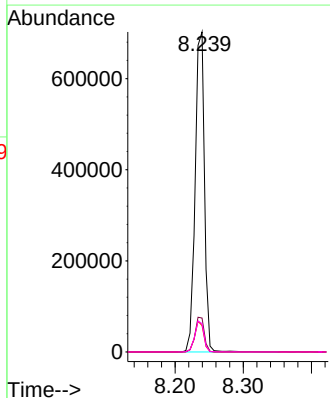
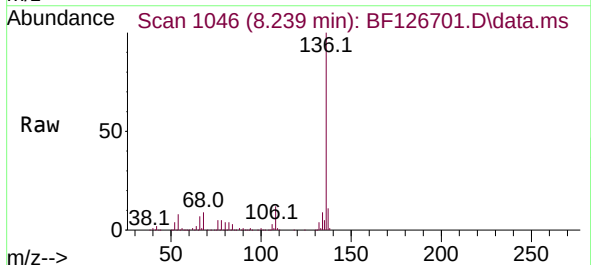


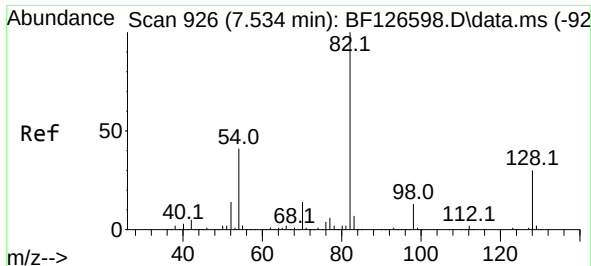
Tgt Ion: 70 Resp: 133561  
Ion Ratio Lower Upper  
70 100  
42 34.5 45.8 68.8#  
101 0.0 6.9 10.3#  
130 1.3 14.4 21.6#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.239 min Scan# 1046  
Delta R.T. 0.000 min  
Lab File: BF126701.D  
Acq: 26 Jan 2022 21:51

Tgt Ion: 136 Resp: 666287  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.6 13.0  
54 8.3 7.8 11.6  
68 8.8 6.3 9.5

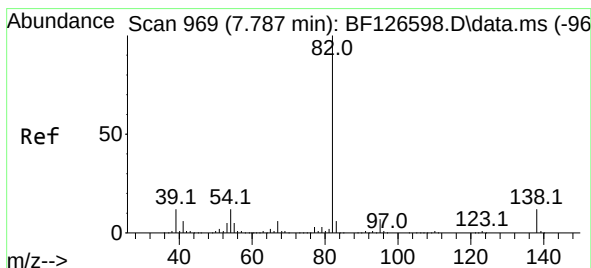
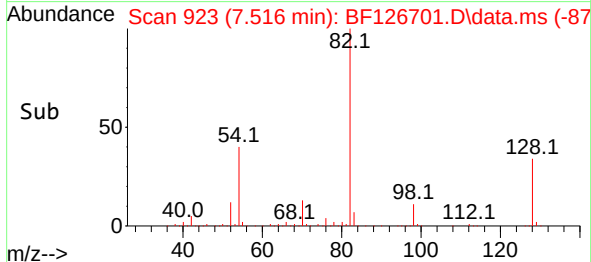
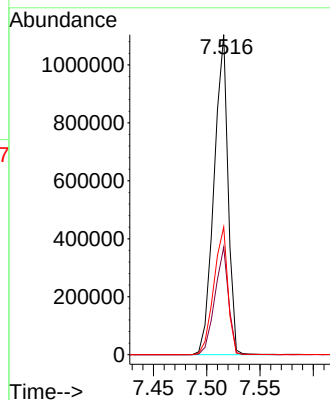
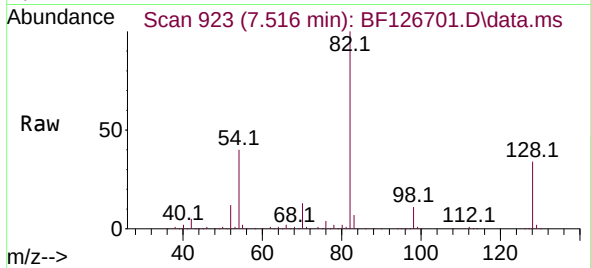




#23  
Nitrobenzene-d5  
Concen: 59.419 ng  
RT: 7.516 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF126701.D  
Acq: 26 Jan 2022 21:51

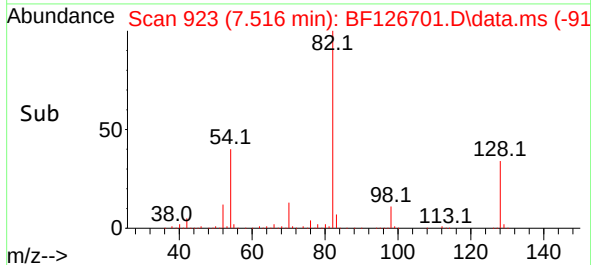
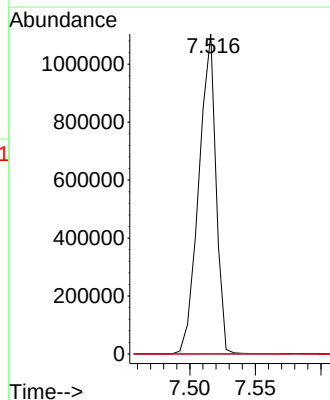
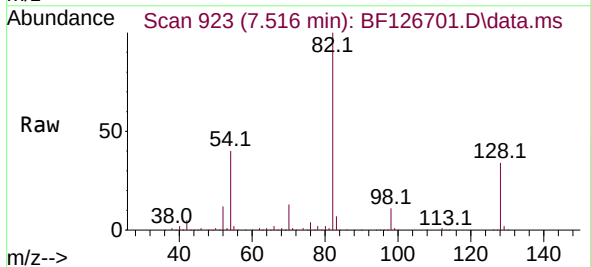
Instrument :  
BNA\_F  
ClientSampleId :  
RB-09-(2.8-3.6)

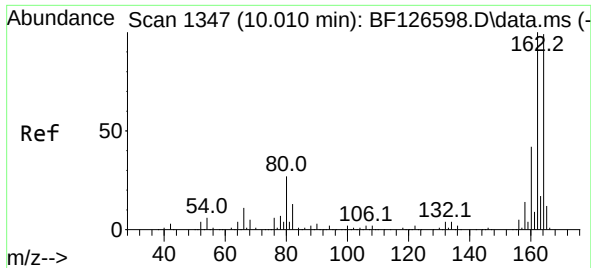
Tgt Ion: 82 Resp: 1011473  
Ion Ratio Lower Upper  
82 100  
128 33.6 32.7 49.1  
54 39.9 41.7 62.5#



#25  
Isophorone  
Concen: 30.423 ng  
RT: 7.516 min Scan# 923  
Delta R.T. -0.265 min  
Lab File: BF126701.D  
Acq: 26 Jan 2022 21:51

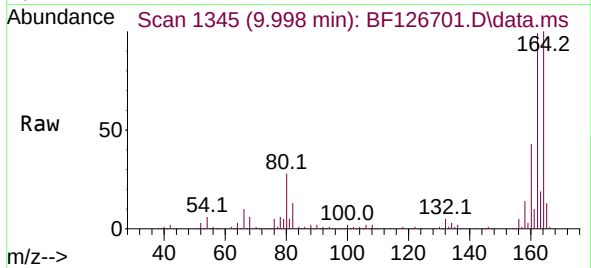
Tgt Ion: 82 Resp: 1004359  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.0 7.4#  
138 0.0 12.3 18.5#



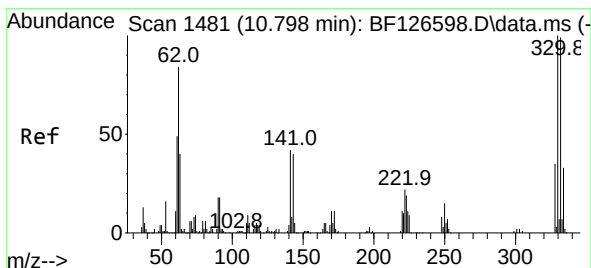
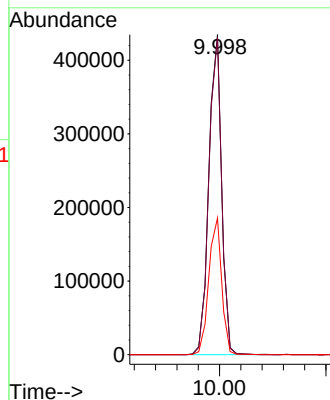
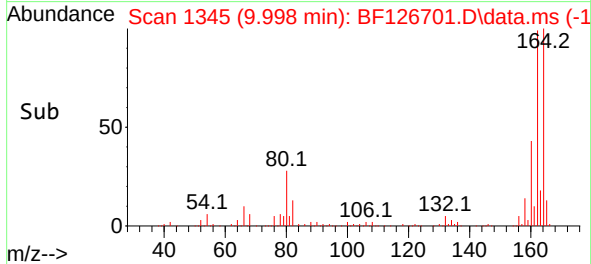


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.998 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF126701.D  
Acq: 26 Jan 2022 21:51

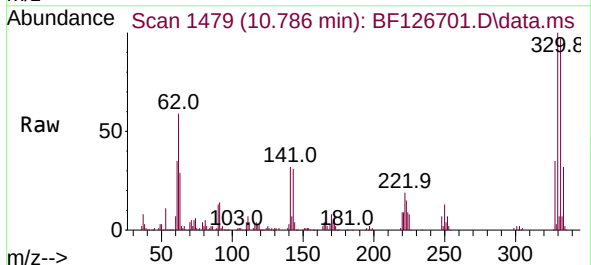
Instrument :  
BNA\_F  
ClientSampleId :  
RB-09-(2.8-3.6)



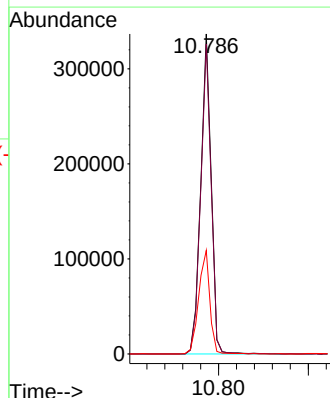
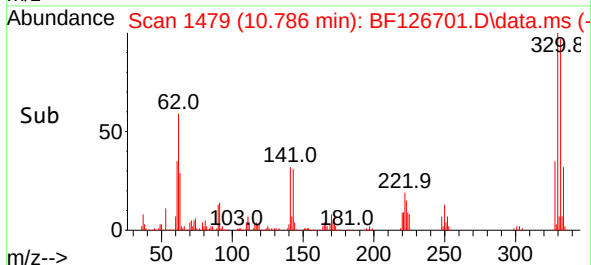
Tgt Ion:164 Resp: 362097  
Ion Ratio Lower Upper  
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162 99.2 81.4 122.0  
160 42.7 36.6 54.8

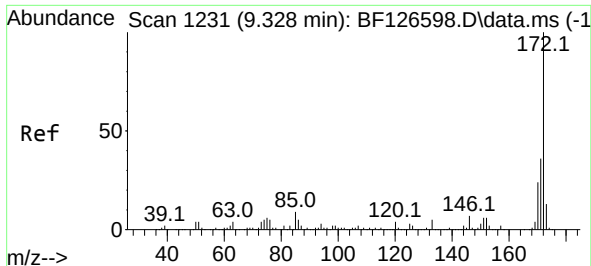


#42  
2,4,6-Tribromophenol  
Concen: 80.288 ng  
RT: 10.786 min Scan# 1479  
Delta R.T. -0.006 min  
Lab File: BF126701.D  
Acq: 26 Jan 2022 21:51



Tgt Ion:330 Resp: 272068  
Ion Ratio Lower Upper  
330 100  
332 96.4 76.0 114.0  
141 34.6 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 56.144 ng

RT: 9.316 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF126701.D

Acq: 26 Jan 2022 21:51

Instrument :

BNA\_F

ClientSampleId :

RB-09-(2.8-3.6)

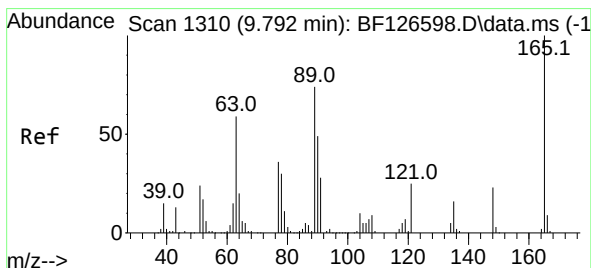
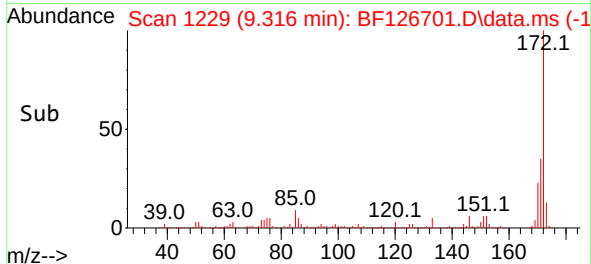
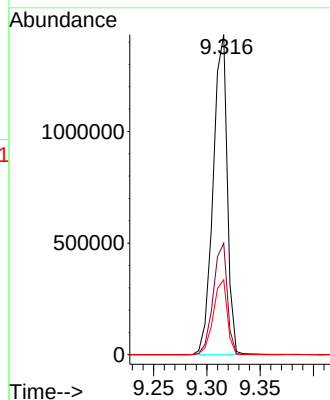
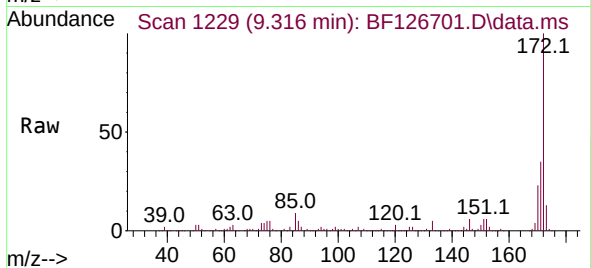
Tgt Ion:172 Resp: 1327429

Ion Ratio Lower Upper

172 100

171 34.9 28.3 42.5

170 23.4 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 10.325 ng

RT: 9.998 min Scan# 1345

Delta R.T. 0.218 min

Lab File: BF126701.D

Acq: 26 Jan 2022 21:51

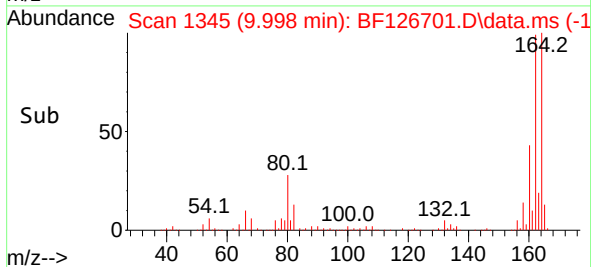
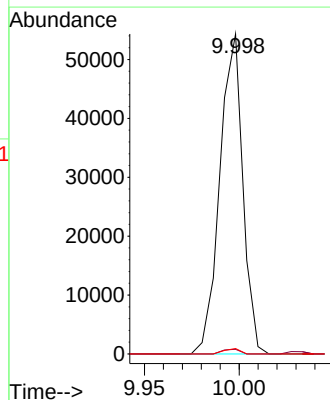
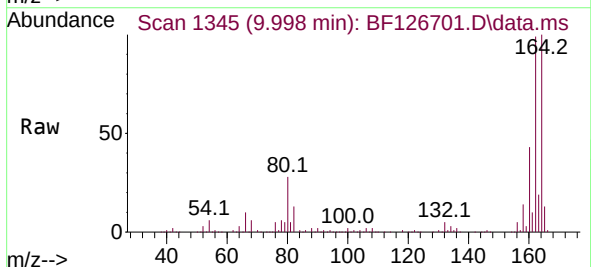
Tgt Ion:165 Resp: 45819

Ion Ratio Lower Upper

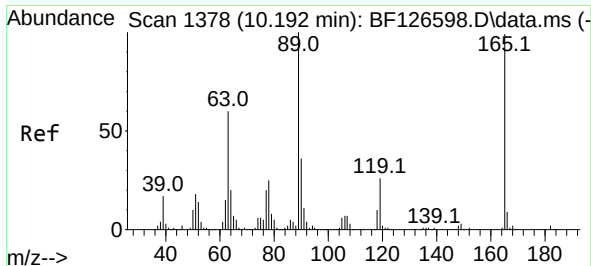
165 100

63 1.5 48.4 72.6#

89 1.7 50.5 75.7#



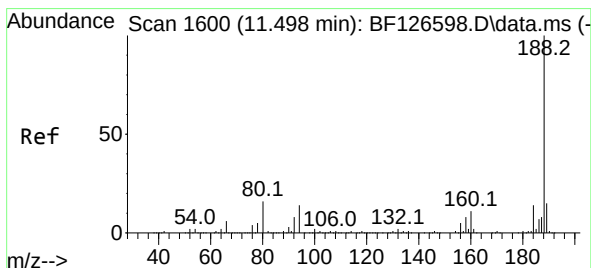
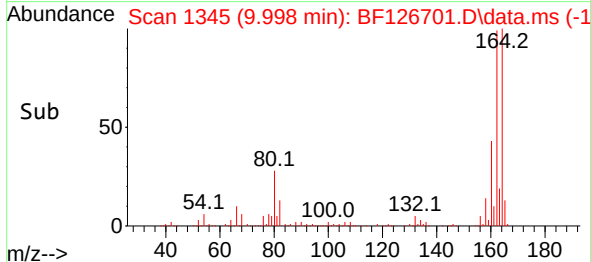
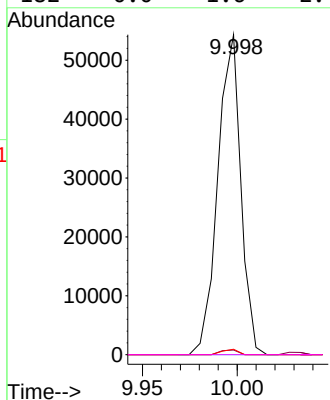
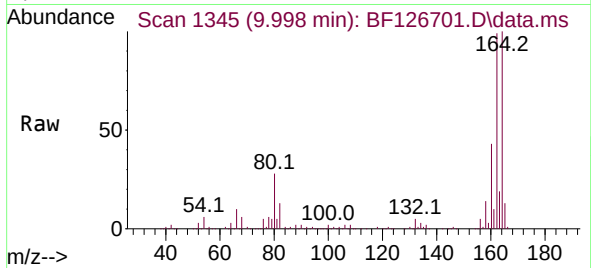




#57  
2,4-Dinitrotoluene  
Concen: 8.520 ng  
RT: 9.998 min Scan# 11  
Delta R.T. -0.188 min  
Lab File: BF126701.D  
Acq: 26 Jan 2022 21:51

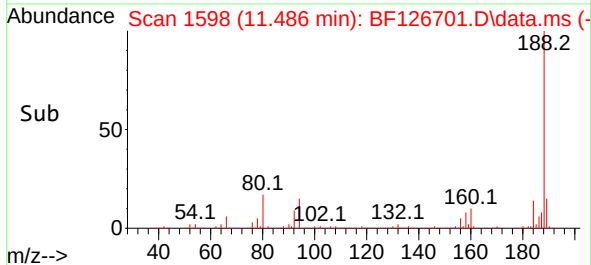
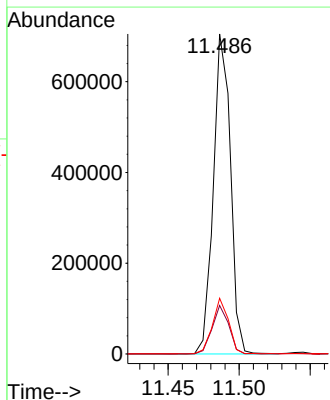
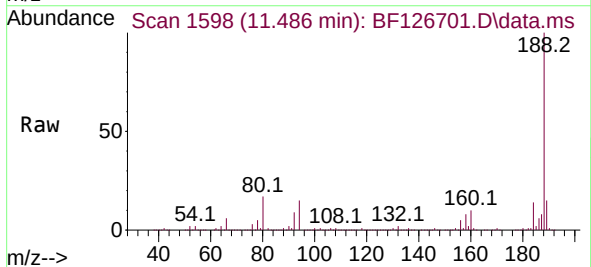
Instrument :  
BNA\_F  
ClientSampleId :  
RB-09-(2.8-3.6)

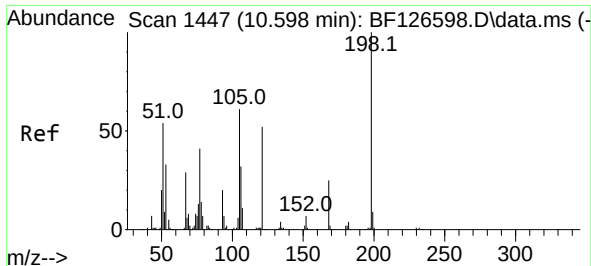
Tgt Ion:165 Resp: 45819  
Ion Ratio Lower Upper  
165 100  
63 1.5 43.0 64.6#  
89 1.7 71.0 106.4#  
182 0.0 1.6 2.4#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.486 min Scan# 1598  
Delta R.T. -0.006 min  
Lab File: BF126701.D  
Acq: 26 Jan 2022 21:51

Tgt Ion:188 Resp: 591301  
Ion Ratio Lower Upper  
188 100  
94 15.2 10.1 15.1#  
80 17.4 11.8 17.6

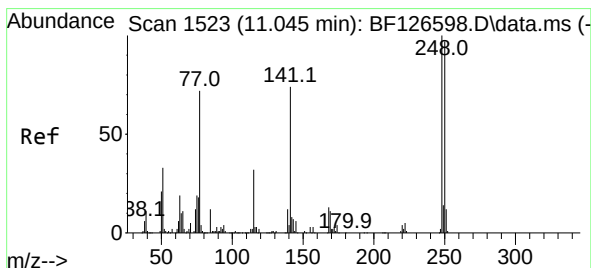
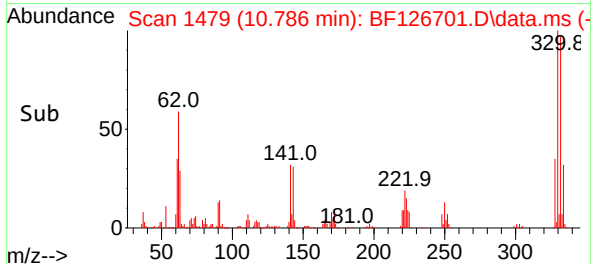
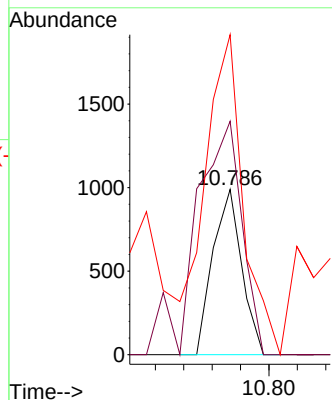
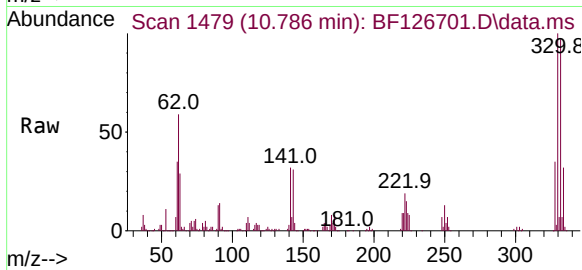




#65  
4,6-Dinitro-2-methylphenol  
Concen: 7.579 ng  
RT: 10.786 min Scan# 1447  
Delta R.T. 0.194 min  
Lab File: BF126701.D  
Acq: 26 Jan 2022 21:51

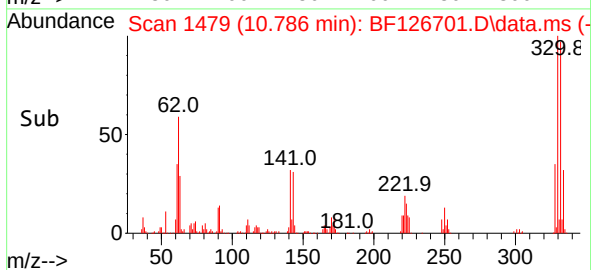
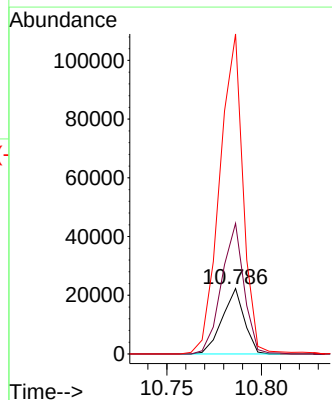
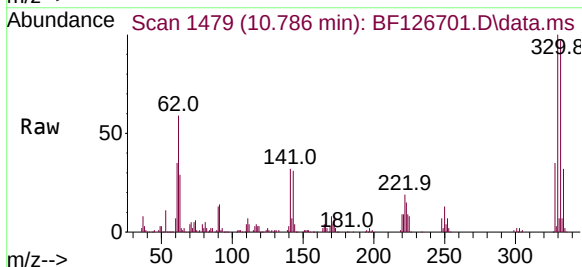
Instrument :  
BNA\_F  
ClientSampleId :  
RB-09-(2.8-3.6)

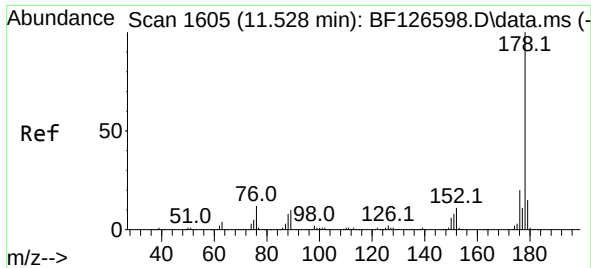
Tgt Ion:198 Resp: 694  
Ion Ratio Lower Upper  
198 100  
51 141.3 32.0 72.0#  
105 193.6 32.7 72.7#



#67  
4-Bromophenyl-phenylether  
Concen: 2.660 ng  
RT: 10.786 min Scan# 1479  
Delta R.T. -0.247 min  
Lab File: BF126701.D  
Acq: 26 Jan 2022 21:51

Tgt Ion:248 Resp: 18125  
Ion Ratio Lower Upper  
248 100  
250 199.6 76.2 114.4#  
141 489.1 66.2 99.4#

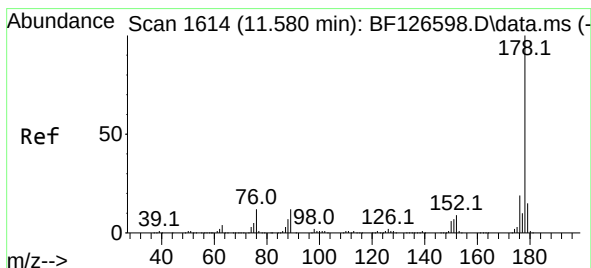
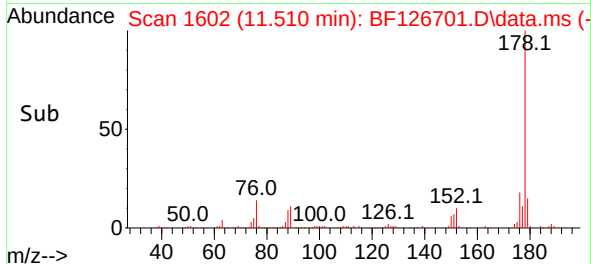
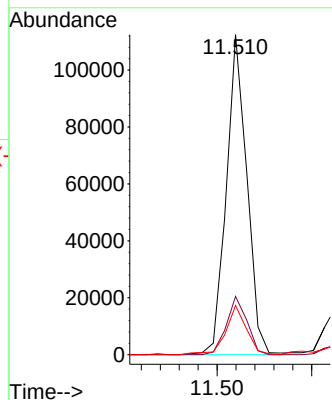
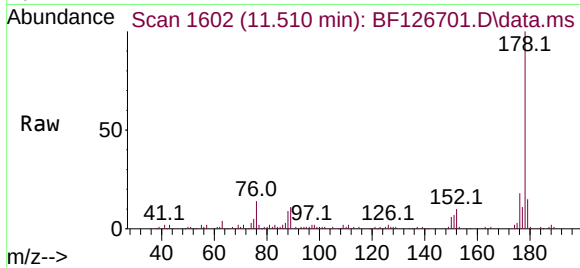




#71  
Phenanthrene  
Concen: 2.508 ng  
RT: 11.510 min Scan# 1602  
Delta R.T. -0.012 min  
Lab File: BF126701.D  
Acq: 26 Jan 2022 21:51

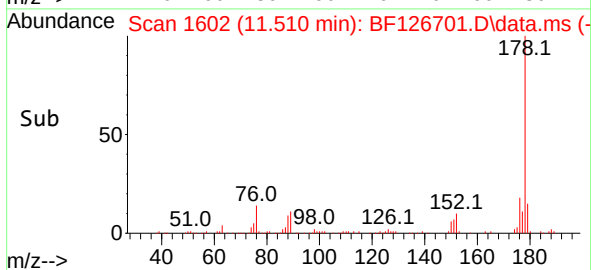
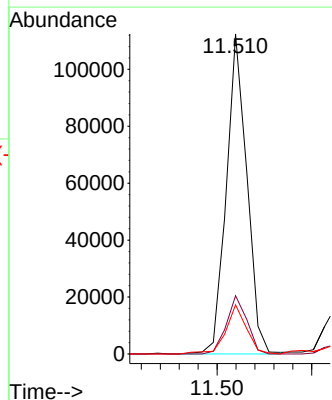
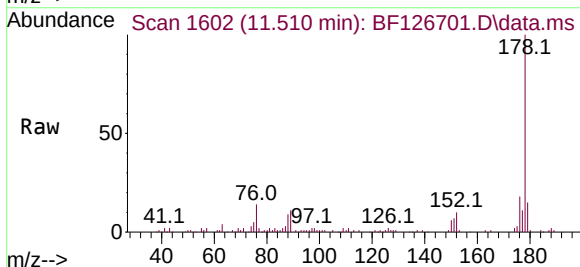
Instrument :  
BNA\_F  
ClientSampleId :  
RB-09-(2.8-3.6)

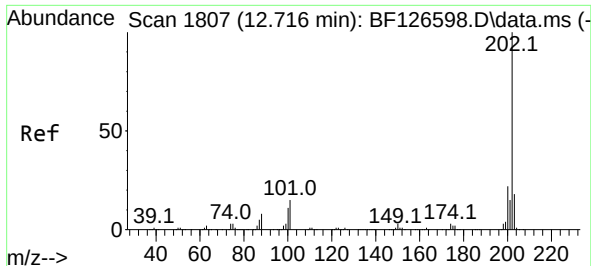
Tgt Ion:178 Resp: 84730  
Ion Ratio Lower Upper  
178 100  
176 18.2 15.7 23.5  
179 15.3 12.3 18.5



#72  
Anthracene  
Concen: 2.500 ng  
RT: 11.510 min Scan# 1602  
Delta R.T. -0.059 min  
Lab File: BF126701.D  
Acq: 26 Jan 2022 21:51

Tgt Ion:178 Resp: 84730  
Ion Ratio Lower Upper  
178 100  
176 18.2 15.0 22.6  
179 15.3 12.5 18.7

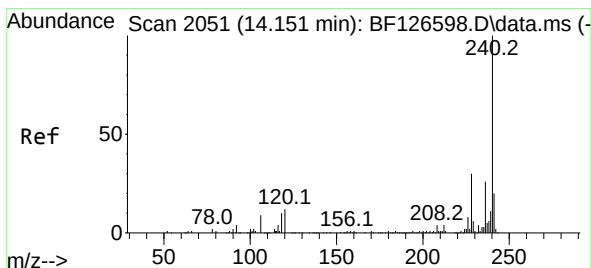
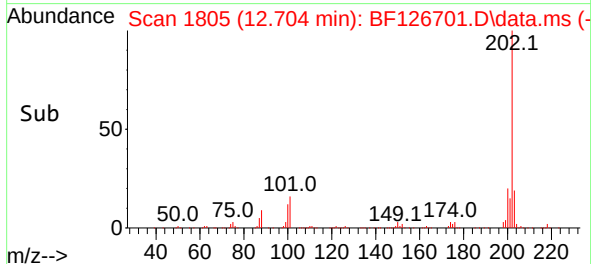
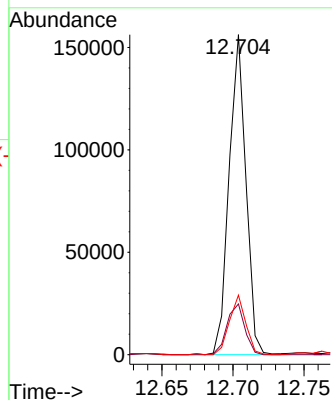
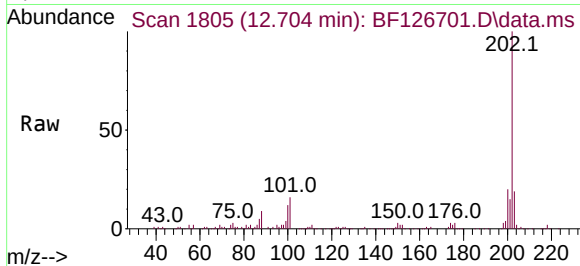




#75  
Fluoranthene  
Concen: 3.846 ng  
RT: 12.704 min Scan# 1805  
Delta R.T. -0.006 min  
Lab File: BF126701.D  
Acq: 26 Jan 2022 21:51

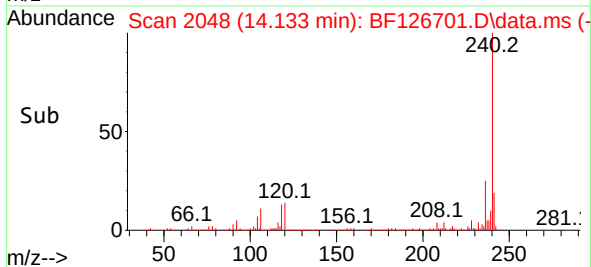
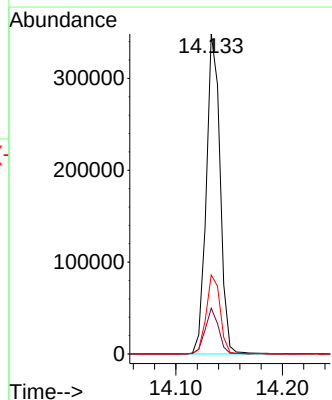
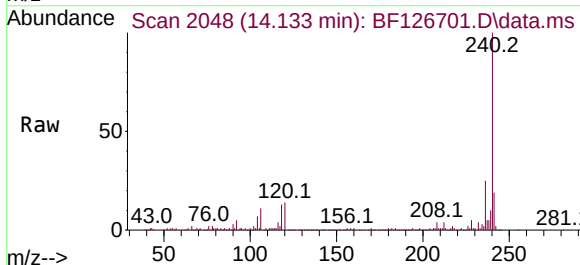
Instrument :  
BNA\_F  
ClientSampleId :  
RB-09-(2.8-3.6)

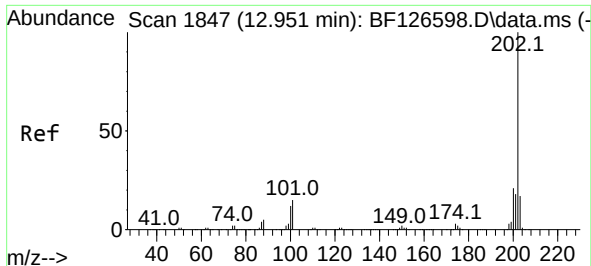
Tgt Ion:202 Resp: 128316  
Ion Ratio Lower Upper  
202 100  
101 15.8 0.0 35.7  
203 18.6 0.0 37.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.133 min Scan# 2048  
Delta R.T. -0.012 min  
Lab File: BF126701.D  
Acq: 26 Jan 2022 21:51

Tgt Ion:240 Resp: 314416  
Ion Ratio Lower Upper  
240 100  
120 14.3 14.4 21.6#  
236 24.7 20.5 30.7

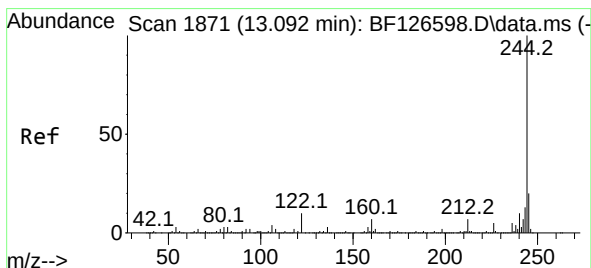
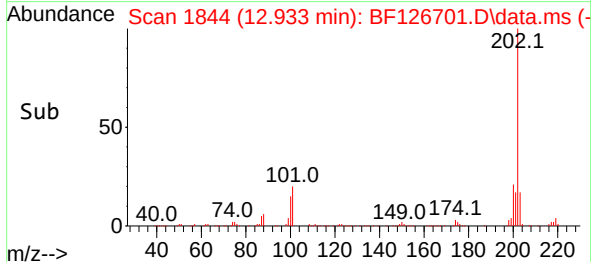
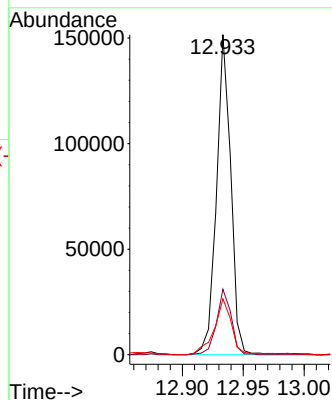
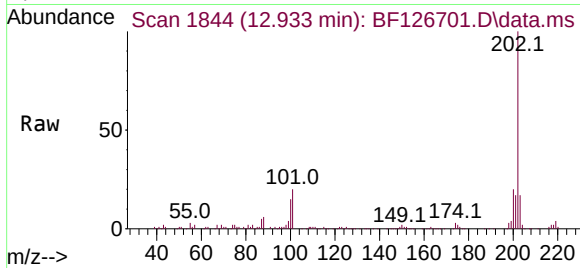




#78  
Pyrene  
Concen: 4.865 ng  
RT: 12.933 min Scan# 1844  
Delta R.T. -0.006 min  
Lab File: BF126701.D  
Acq: 26 Jan 2022 21:51

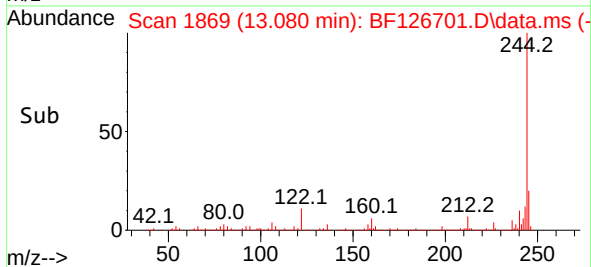
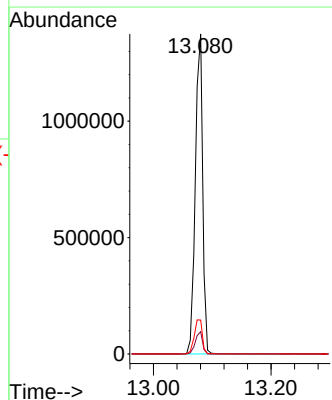
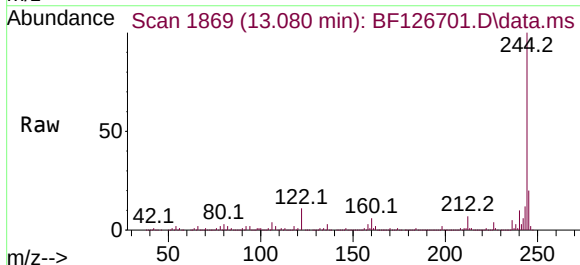
Instrument :  
BNA\_F  
ClientSampleId :  
RB-09-(2.8-3.6)

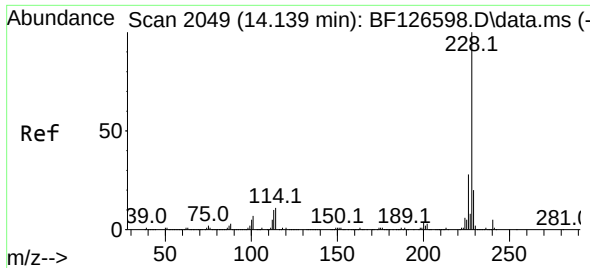
Tgt Ion:202 Resp: 123698  
Ion Ratio Lower Upper  
202 100  
200 20.4 16.6 24.8  
203 17.4 13.8 20.8



#79  
Terphenyl-d14  
Concen: 63.850 ng  
RT: 13.080 min Scan# 1869  
Delta R.T. 0.000 min  
Lab File: BF126701.D  
Acq: 26 Jan 2022 21:51

Tgt Ion:244 Resp: 1196918  
Ion Ratio Lower Upper  
244 100  
212 6.9 5.0 7.4  
122 10.6 13.3 19.9#

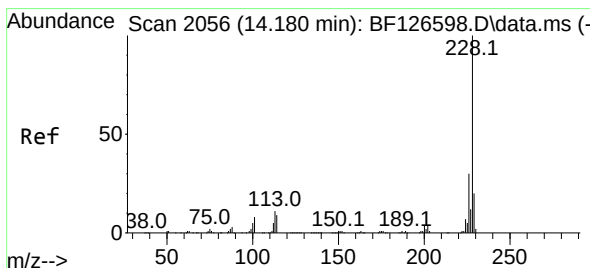
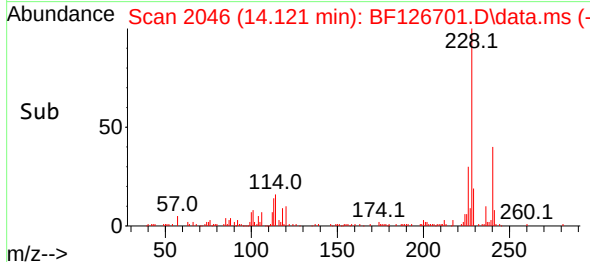
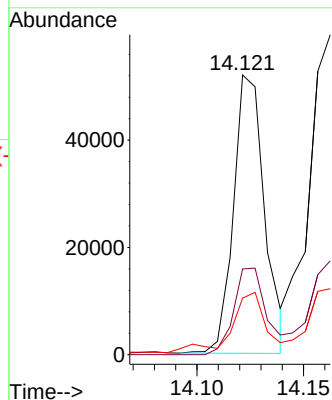
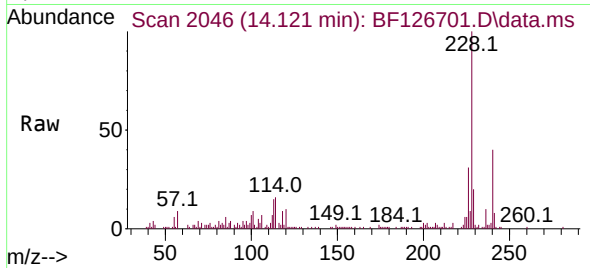




#81  
Benzo(a)anthracene  
Concen: 2.466 ng  
RT: 14.121 min Scan# 2046  
Delta R.T. -0.012 min  
Lab File: BF126701.D  
Acq: 26 Jan 2022 21:51

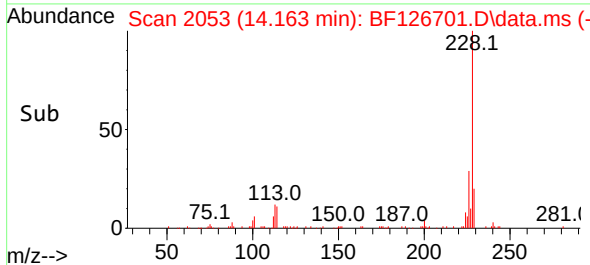
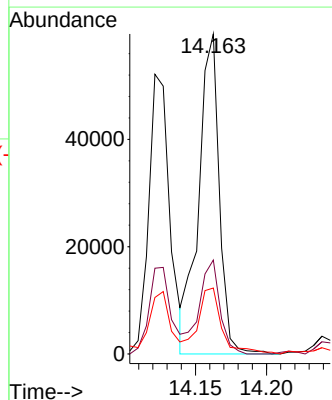
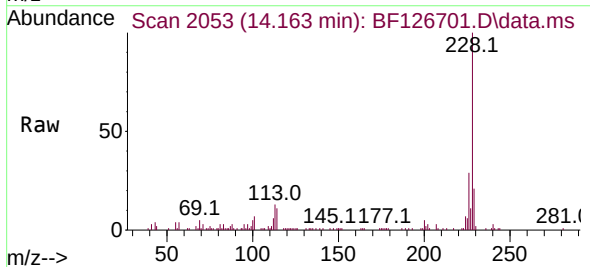
Instrument :  
BNA\_F  
ClientSampleId :  
RB-09-(2.8-3.6)

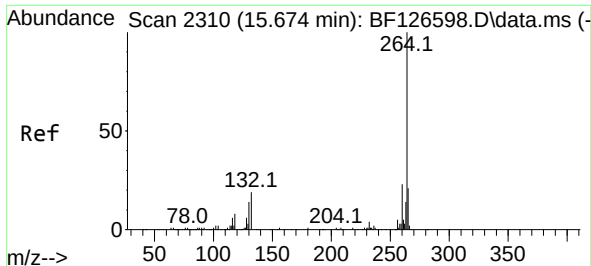
Tgt Ion:228 Resp: 52706  
Ion Ratio Lower Upper  
228 100  
226 30.7 21.4 32.0  
229 20.2 15.4 23.2



#83  
Chrysene  
Concen: 2.943 ng  
RT: 14.163 min Scan# 2053  
Delta R.T. -0.006 min  
Lab File: BF126701.D  
Acq: 26 Jan 2022 21:51

Tgt Ion:228 Resp: 60522  
Ion Ratio Lower Upper  
228 100  
226 29.4 23.7 35.5  
229 20.6 15.5 23.3

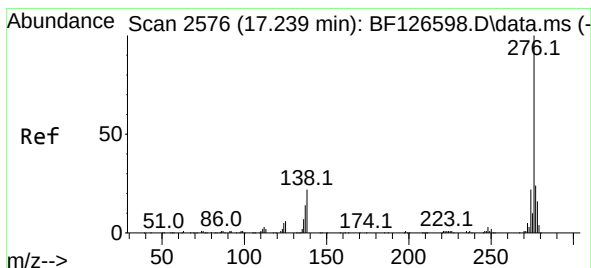
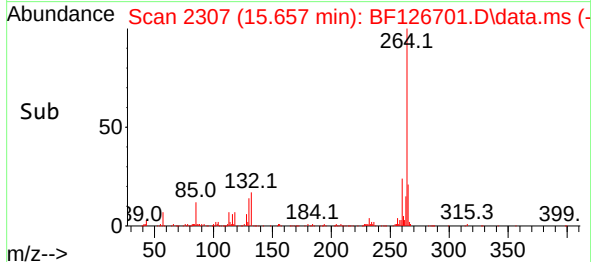
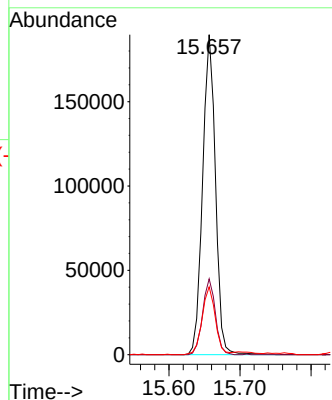
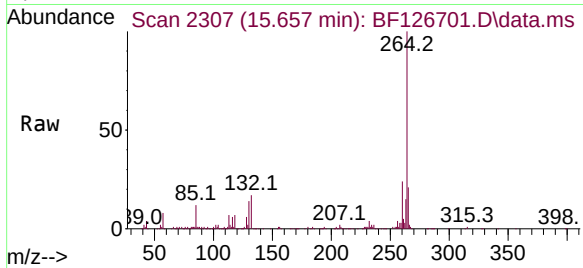




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.657 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF126701.D  
Acq: 26 Jan 2022 21:51

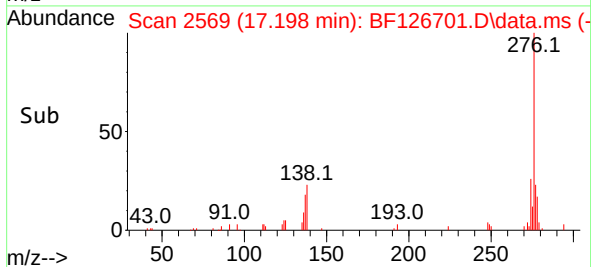
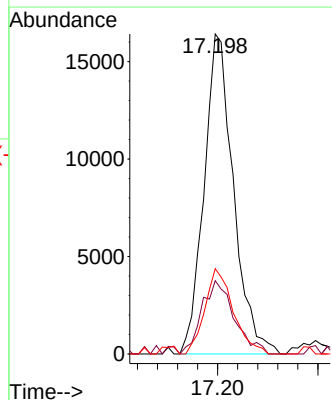
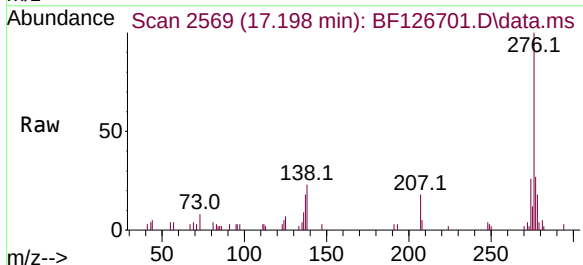
Instrument :  
BNA\_F  
ClientSampleId :  
RB-09-(2.8-3.6)

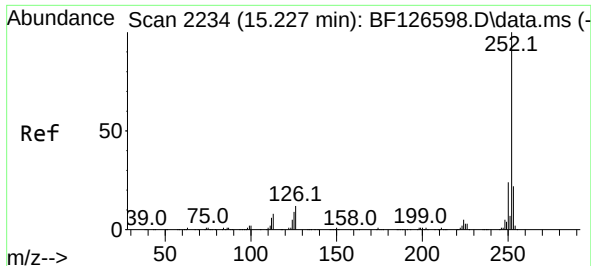
Tgt Ion:264 Resp: 239063  
Ion Ratio Lower Upper  
264 100  
260 23.7 19.2 28.8  
265 21.2 17.4 26.2



#87  
Indeno(1,2,3-cd)pyrene  
Concen: 2.265 ng  
RT: 17.198 min Scan# 2569  
Delta R.T. -0.024 min  
Lab File: BF126701.D  
Acq: 26 Jan 2022 21:51

Tgt Ion:276 Resp: 33458  
Ion Ratio Lower Upper  
276 100  
138 25.2 29.2 43.8#  
277 25.8 19.8 29.8

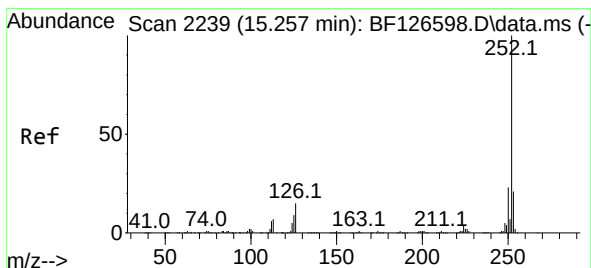
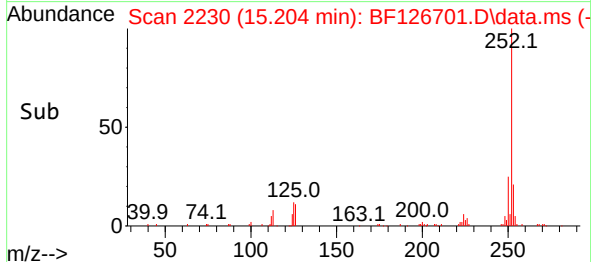
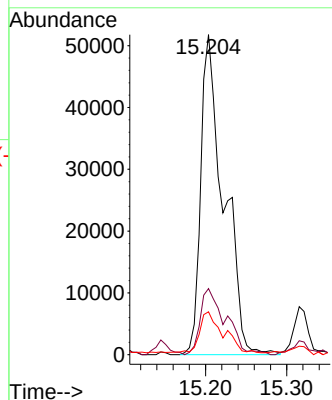
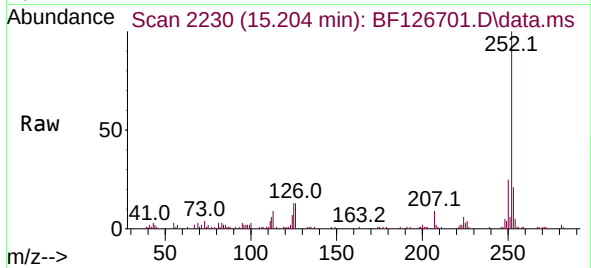




#88  
Benzo(b)fluoranthene  
Concen: 6.434 ng  
RT: 15.204 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF126701.D  
Acq: 26 Jan 2022 21:51

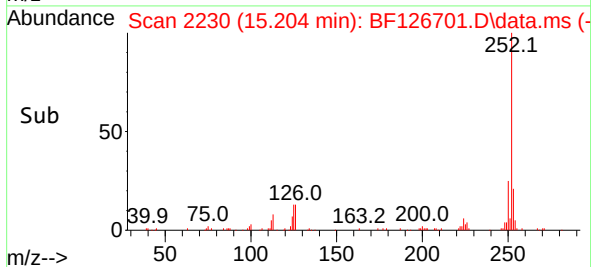
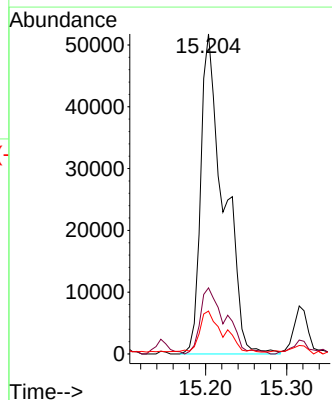
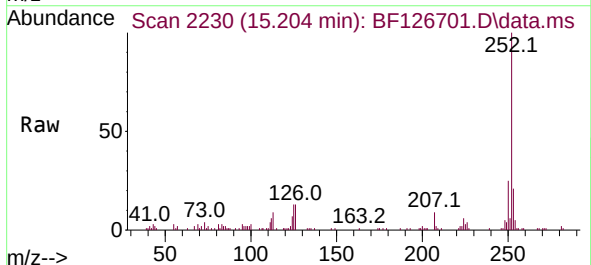
Instrument :  
BNA\_F  
ClientSampleId :  
RB-09-(2.8-3.6)

Tgt Ion:252 Resp: 102001  
Ion Ratio Lower Upper  
252 100  
253 20.6 17.8 26.8  
125 13.4 12.4 18.6

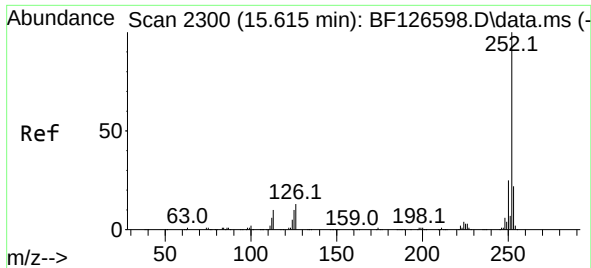


#89  
Benzo(k)fluoranthene  
Concen: 6.553 ng  
RT: 15.204 min Scan# 2230  
Delta R.T. -0.035 min  
Lab File: BF126701.D  
Acq: 26 Jan 2022 21:51

Tgt Ion:252 Resp: 102001  
Ion Ratio Lower Upper  
252 100  
253 20.6 17.5 26.3  
125 13.4 11.8 17.6

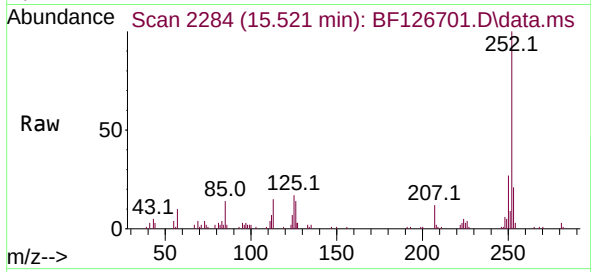






#90  
 Benzo(a)pyrene  
 Concen: 2.773 ng  
 RT: 15.521 min Scan# 21  
 Delta R.T. -0.076 min  
 Lab File: BF126701.D  
 Acq: 26 Jan 2022 21:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RB-09-(2.8-3.6)



Tgt Ion:252 Resp: 35771

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.3  | 17.1  | 25.7  |
| 125 | 16.6  | 13.0  | 19.6  |

