

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122922\  
 Data File : BF131886.D  
 Acq On : 29 Dec 2022 19:26  
 Operator : CG\JU  
 Sample : N6231-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-2S

Quant Time: Dec 30 02:12:02 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 30 02:06:40 2022  
 Response via : Initial Calibration

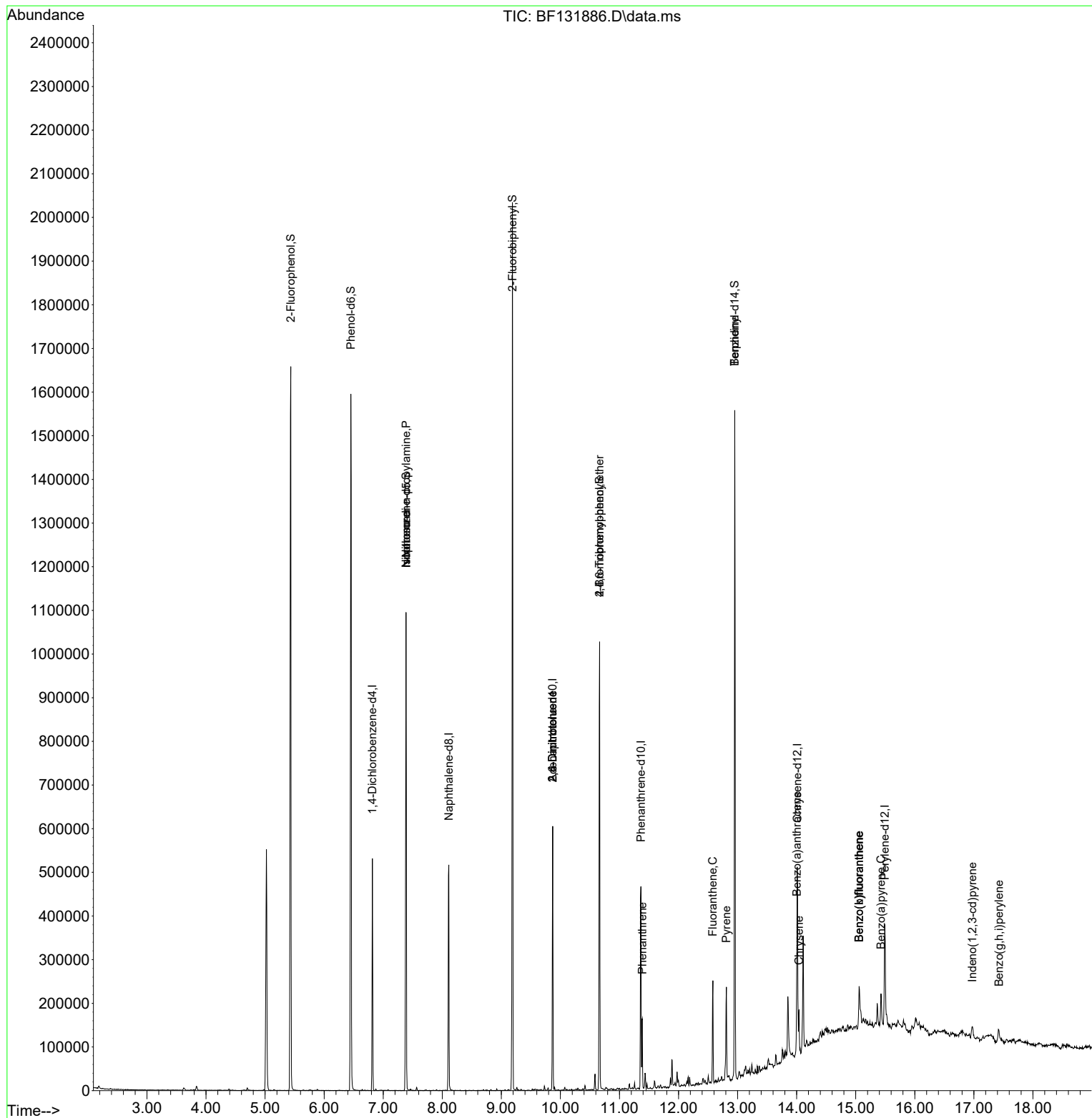
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.816  | 152  | 64176    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.110  | 136  | 213966   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.869  | 164  | 105988   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.363 | 188  | 169774   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.010 | 240  | 127065   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.492 | 264  | 100595   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.434  | 112  | 421349   | 108.805 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.451  | 99   | 544307   | 106.984 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.387  | 82   | 362967   | 67.729  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.663 | 330  | 104411   | 90.669  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.186  | 172  | 543652   | 70.259  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.951 | 244  | 478848   | 63.745  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.387  | 70   | 50702    | 14.110  | ng    | # 79     |
| 25) Isophorone                | 7.387  | 82   | 361219   | 41.273  | ng    | # 69     |
| 51) 2,6-Dinitrotoluene        | 9.869  | 165  | 13656    | 7.867   | ng    | # 18     |
| 57) 2,4-Dinitrotoluene        | 9.869  | 165  | 13656    | 5.753   | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.663 | 248  | 7360     | 3.740   | ng    | # 1      |
| 71) Phenanthrene              | 11.386 | 178  | 57755    | 6.186   | ng    | 98       |
| 75) Fluoranthene              | 12.580 | 202  | 87687    | 8.063   | ng    | 98       |
| 77) Benzidine                 | 12.951 | 184  | 7927     | 3.796   | ng    | # 93     |
| 78) Pyrene                    | 12.810 | 202  | 85035    | 7.984   | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.004 | 228  | 42558    | 4.626   | ng    | 96       |
| 83) Chrysene                  | 14.039 | 228  | 38827    | 4.491   | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.974 | 276  | 20084    | 3.143   | ng    | # 91     |
| 88) Benzo(b)fluoranthene      | 15.057 | 252  | 62556    | 8.481   | ng    | # 93     |
| 89) Benzo(k)fluoranthene      | 15.057 | 252  | 62556    | 8.778   | ng    | # 93     |
| 90) Benzo(a)pyrene            | 15.427 | 252  | 32723    | 5.730   | ng    | # 93     |
| 92) Benzo(g,h,i)perylene      | 17.427 | 276  | 20689    | 8.223   | ng    | 96       |

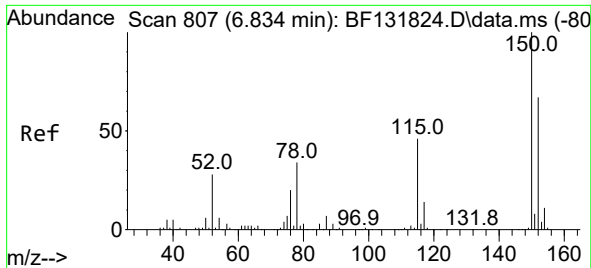
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122922\  
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Instrument :  
BNA\_F  
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Quant Time: Dec 30 02:12:02 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 30 02:06:40 2022  
Response via : Initial Calibration

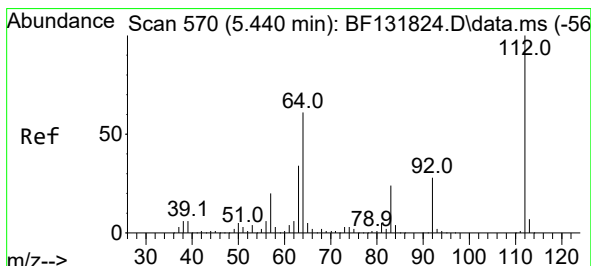
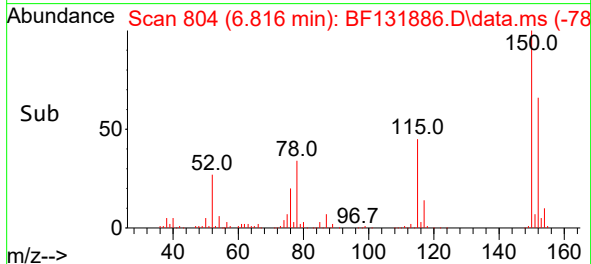
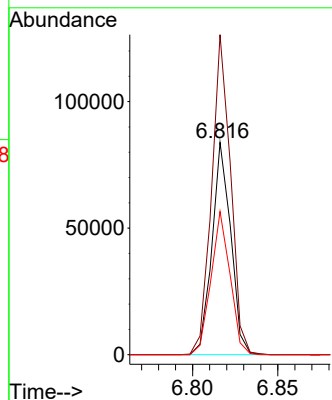
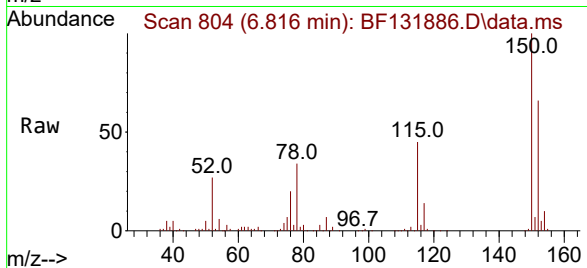




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.816 min Scan# 807  
Delta R.T. 0.000 min  
Lab File: BF131886.D  
Acq: 29 Dec 2022 19:26

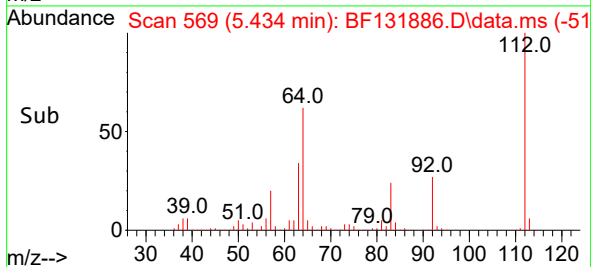
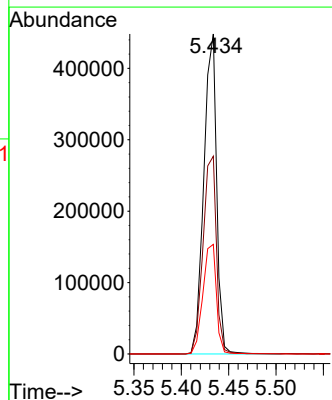
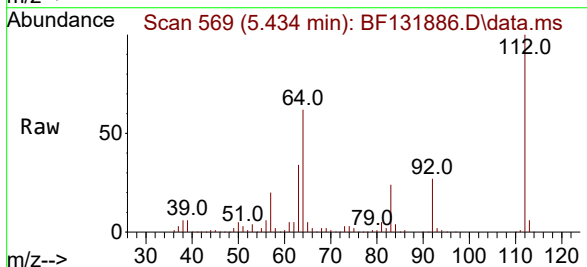
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2S

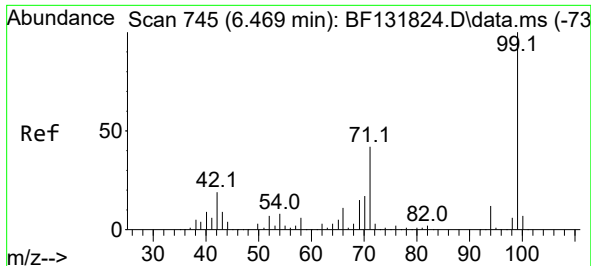
Tgt Ion:152 Resp: 64176  
Ion Ratio Lower Upper  
152 100  
150 150.7 120.0 180.0  
115 67.4 55.1 82.7



#5  
2-Fluorophenol  
Concen: 108.805 ng  
RT: 5.434 min Scan# 569  
Delta R.T. 0.012 min  
Lab File: BF131886.D  
Acq: 29 Dec 2022 19:26

Tgt Ion:112 Resp: 421349  
Ion Ratio Lower Upper  
112 100  
64 61.8 49.2 73.8  
63 34.2 27.5 41.3

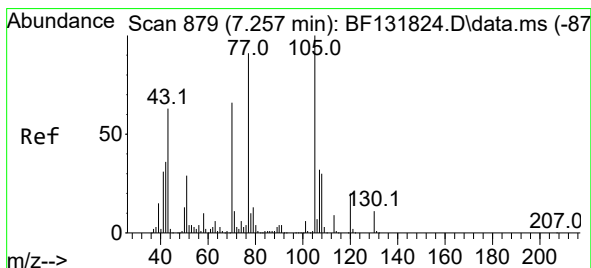
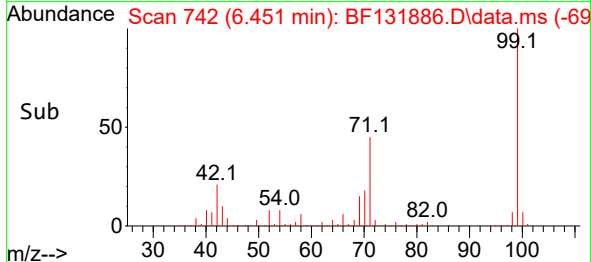
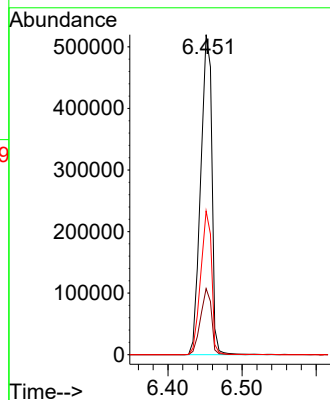
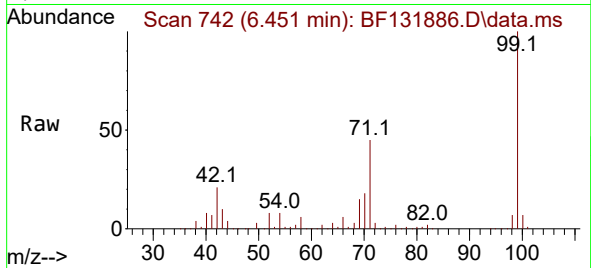




#7  
Phenol-d6  
Concen: 106.984 ng  
RT: 6.451 min Scan# 74  
Delta R.T. -0.000 min  
Lab File: BF131886.D  
Acq: 29 Dec 2022 19:26

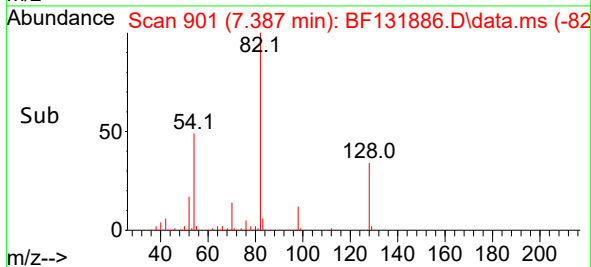
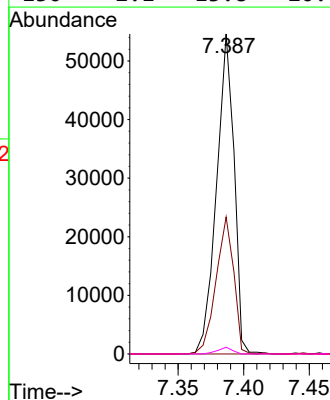
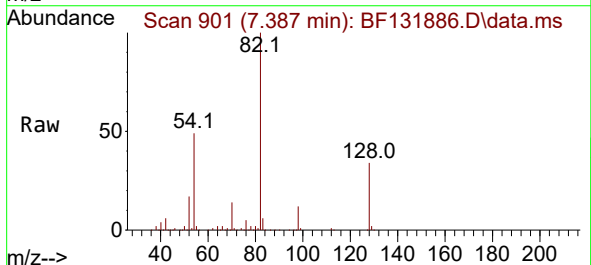
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2S

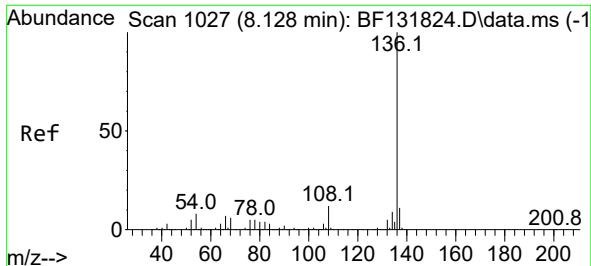
Tgt Ion: 99 Resp: 544307  
Ion Ratio Lower Upper  
99 100  
42 20.7 15.3 22.9  
71 44.9 33.5 50.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.110 ng  
RT: 7.387 min Scan# 901  
Delta R.T. 0.147 min  
Lab File: BF131886.D  
Acq: 29 Dec 2022 19:26

Tgt Ion: 70 Resp: 50702  
Ion Ratio Lower Upper  
70 100  
42 42.8 43.8 65.6#  
101 0.0 7.4 11.0#  
130 2.1 13.8 20.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.110 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF131886.D

Acq: 29 Dec 2022 19:26

Instrument :

BNA\_F

ClientSampleId :

TP-2S

Tgt Ion:136 Resp: 213966

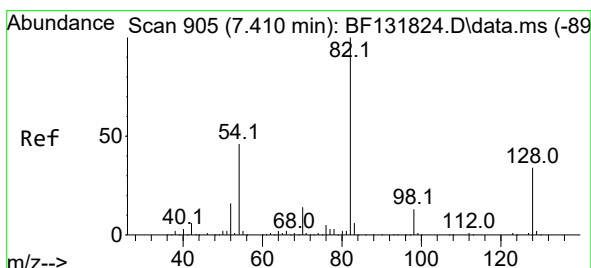
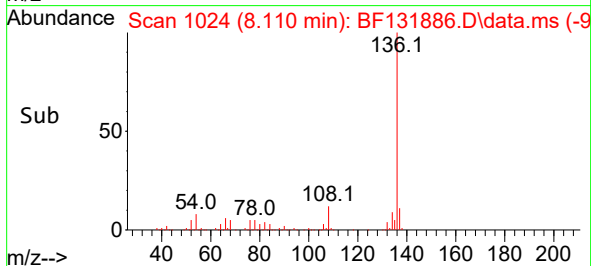
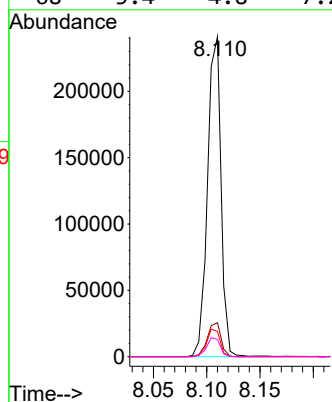
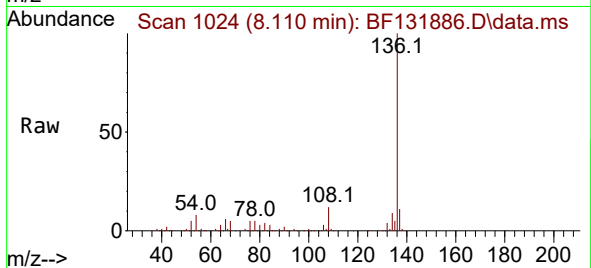
Ion Ratio Lower Upper

136 100

137 10.6 8.6 12.8

54 7.9 6.7 10.1

68 5.4 4.8 7.2



#23

Nitrobenzene-d5

Concen: 67.729 ng

RT: 7.387 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF131886.D

Acq: 29 Dec 2022 19:26

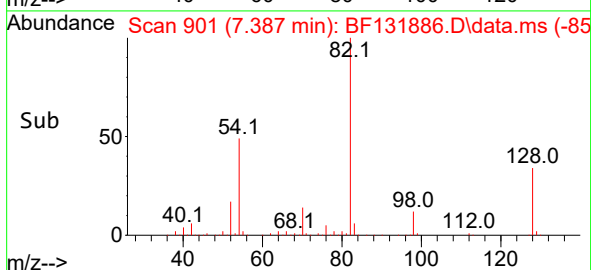
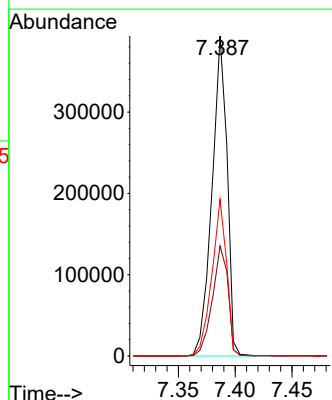
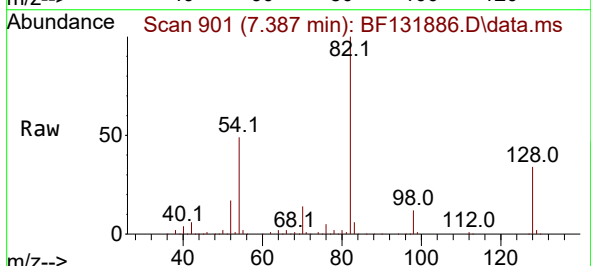
Tgt Ion: 82 Resp: 362967

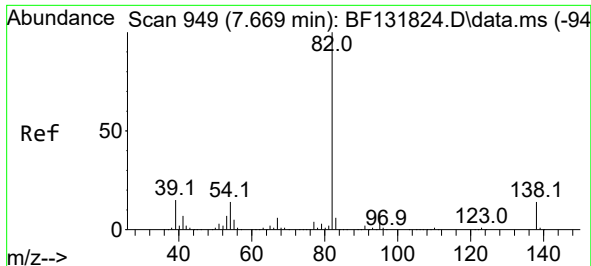
Ion Ratio Lower Upper

82 100

128 34.4 27.1 40.7

54 49.0 37.0 55.6

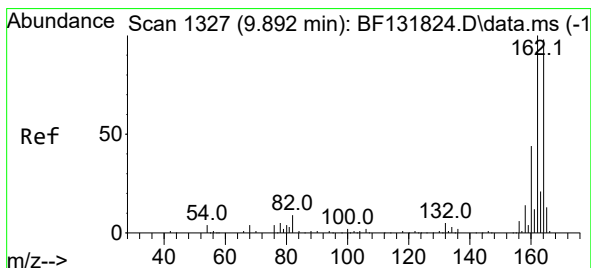
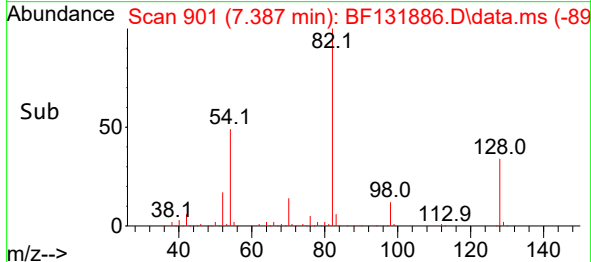
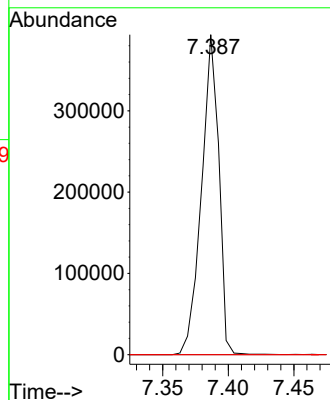
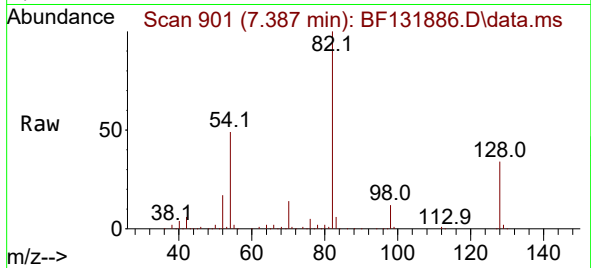




#25  
Isophorone  
Concen: 41.273 ng  
RT: 7.387 min Scan# 901  
Delta R.T. -0.265 min  
Lab File: BF131886.D  
Acq: 29 Dec 2022 19:26

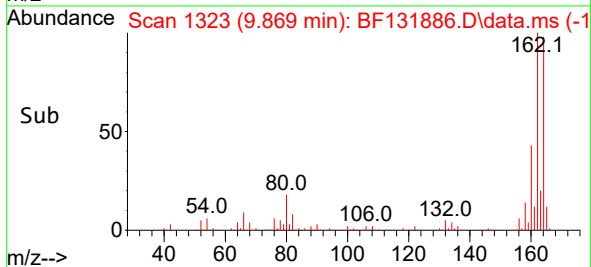
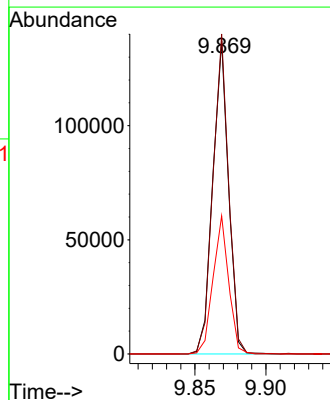
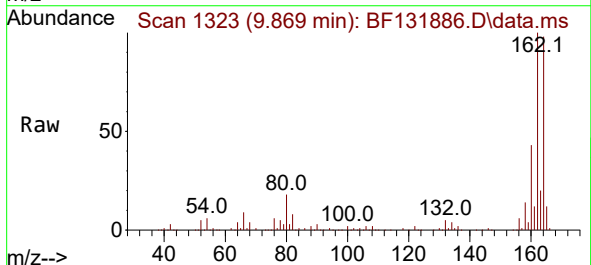
Instrument :  
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ClientSampleId :  
TP-2S

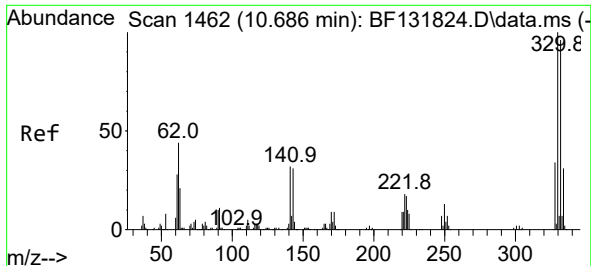
Tgt Ion: 82 Resp: 361219  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.2 9.4#  
138 0.0 11.5 17.3#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.869 min Scan# 1323  
Delta R.T. -0.006 min  
Lab File: BF131886.D  
Acq: 29 Dec 2022 19:26

Tgt Ion:164 Resp: 105988  
Ion Ratio Lower Upper  
164 100  
162 102.2 81.8 122.6  
160 44.1 35.7 53.5

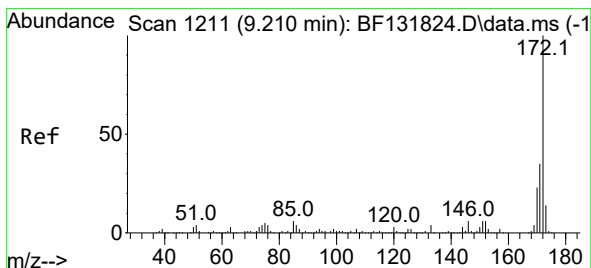
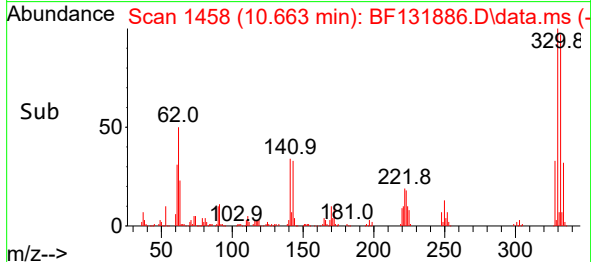
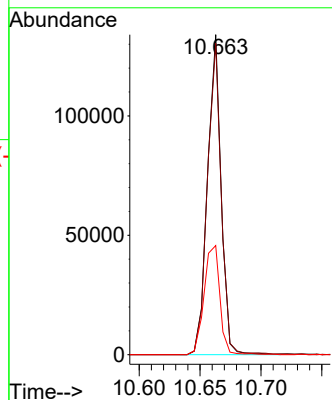
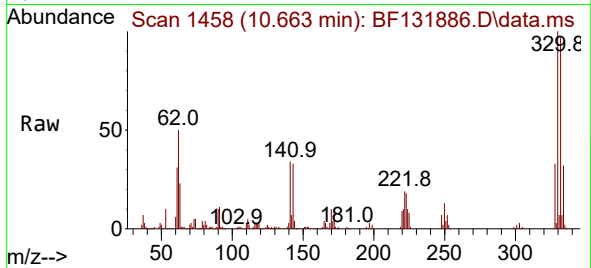




#42  
2,4,6-Tribromophenol  
Concen: 90.669 ng  
RT: 10.663 min Scan# 1462  
Delta R.T. -0.006 min  
Lab File: BF131886.D  
Acq: 29 Dec 2022 19:26

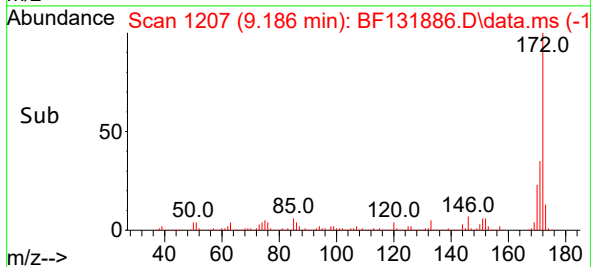
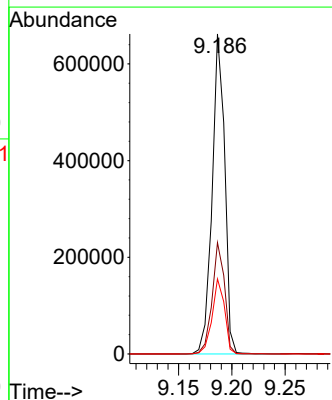
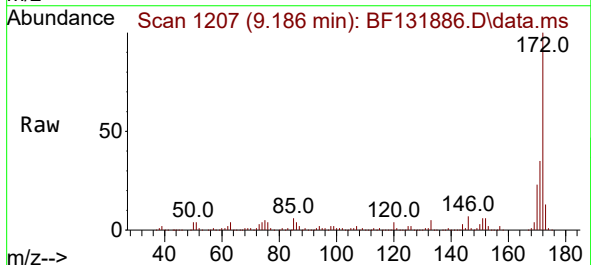
Instrument :  
BNA\_F  
ClientSampleId :  
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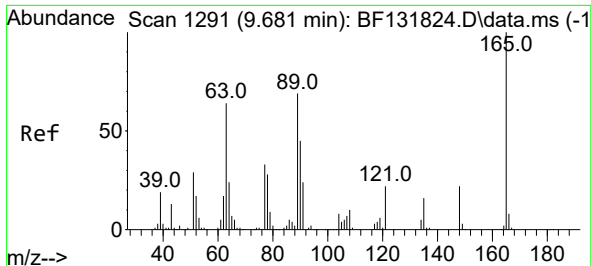
Tgt Ion:330 Resp: 104411  
Ion Ratio Lower Upper  
330 100  
332 99.0 77.0 115.4  
141 39.8 31.0 46.4



#45  
2-Fluorobiphenyl  
Concen: 70.259 ng  
RT: 9.186 min Scan# 1207  
Delta R.T. -0.006 min  
Lab File: BF131886.D  
Acq: 29 Dec 2022 19:26

Tgt Ion:172 Resp: 543652  
Ion Ratio Lower Upper  
172 100  
171 34.8 27.9 41.9  
170 23.4 18.7 28.1





#51

2,6-Dinitrotoluene

Concen: 7.867 ng

RT: 9.869 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF131886.D

Acq: 29 Dec 2022 19:26

Instrument :

BNA\_F

ClientSampleId :

TP-2S

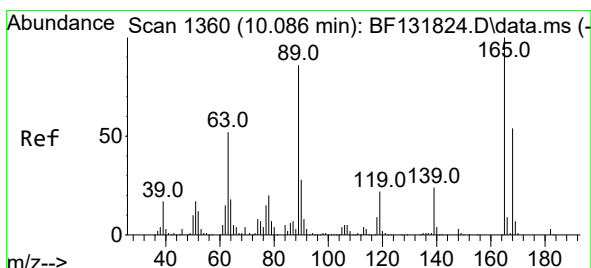
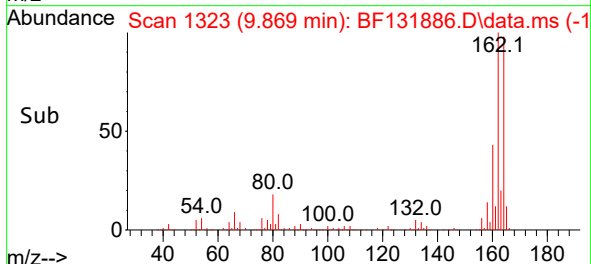
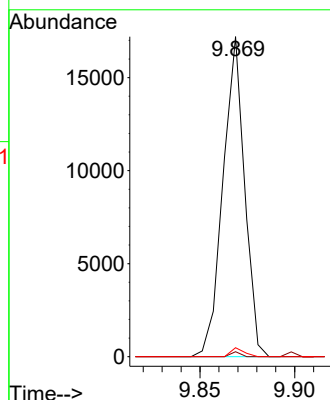
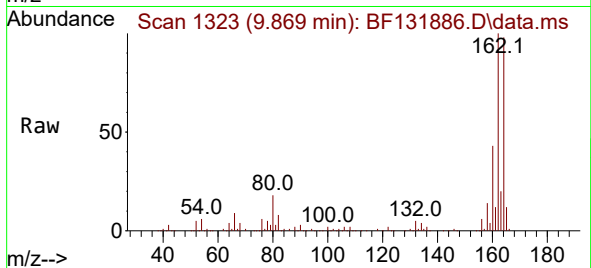
Tgt Ion:165 Resp: 13656

Ion Ratio Lower Upper

165 100

63 1.6 55.1 82.7#

89 2.8 55.0 82.4#



#57

2,4-Dinitrotoluene

Concen: 5.753 ng

RT: 9.869 min Scan# 1323

Delta R.T. -0.200 min

Lab File: BF131886.D

Acq: 29 Dec 2022 19:26

Tgt Ion:165 Resp: 13656

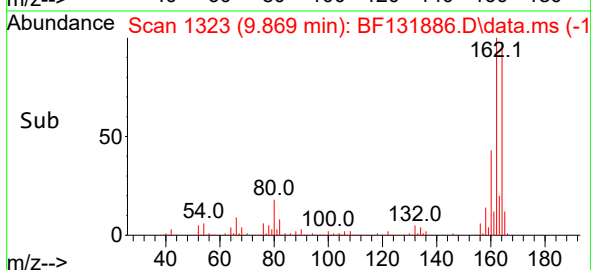
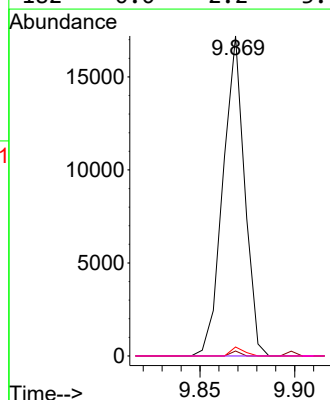
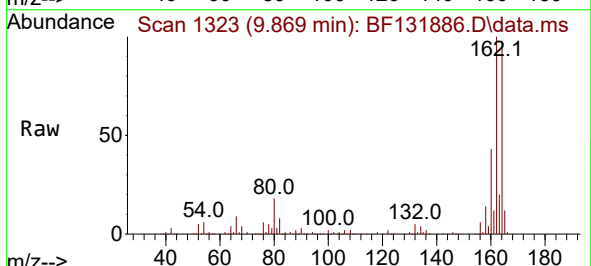
Ion Ratio Lower Upper

165 100

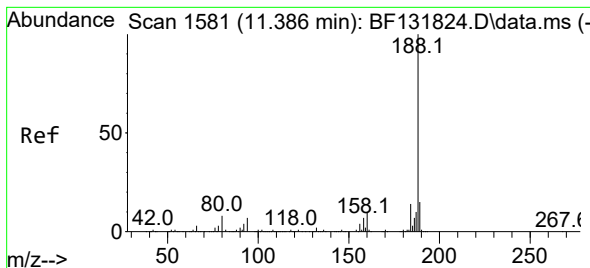
63 1.6 42.1 63.1#

89 2.8 69.1 103.7#

182 0.0 2.2 3.4#







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF131886.D

Acq: 29 Dec 2022 19:26

Instrument :

BNA\_F

ClientSampleId :

TP-2S

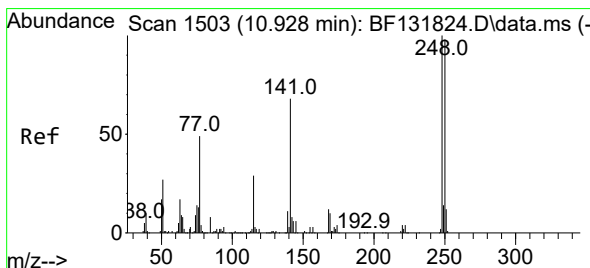
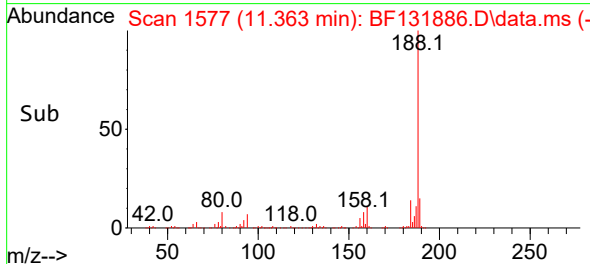
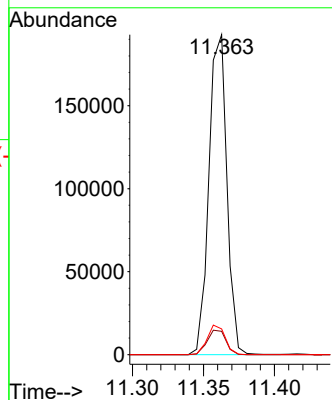
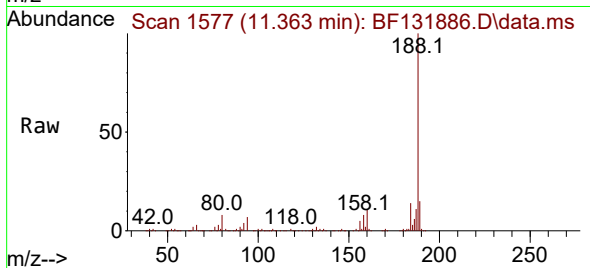
Tgt Ion:188 Resp: 169774

Ion Ratio Lower Upper

188 100

94 7.3 5.8 8.6

80 8.0 6.7 10.1



#67

4-Bromophenyl-phenylether

Concen: 3.740 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.241 min

Lab File: BF131886.D

Acq: 29 Dec 2022 19:26

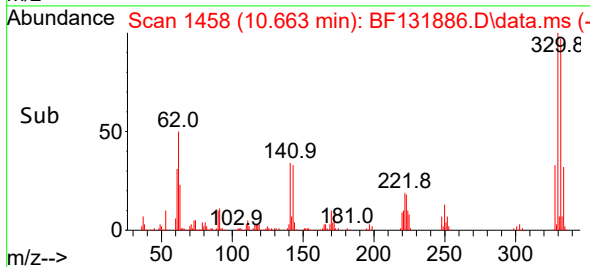
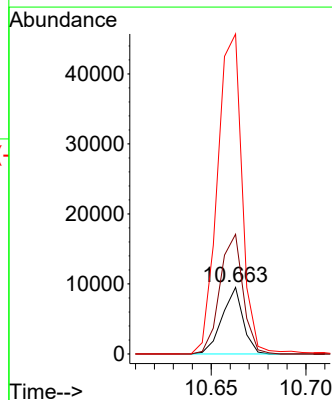
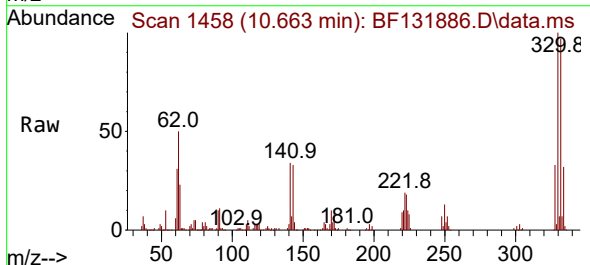
Tgt Ion:248 Resp: 7360

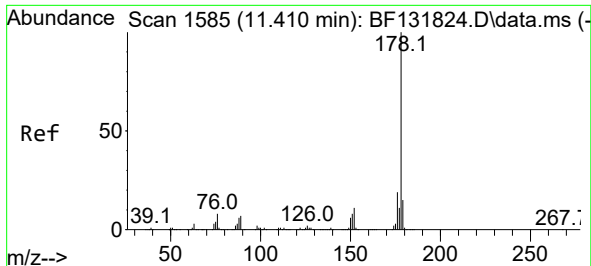
Ion Ratio Lower Upper

248 100

250 179.7 78.0 117.0#

141 480.3 54.8 82.2#

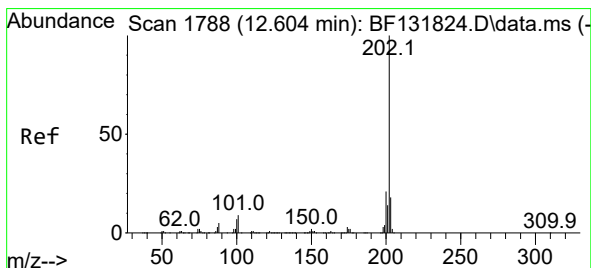
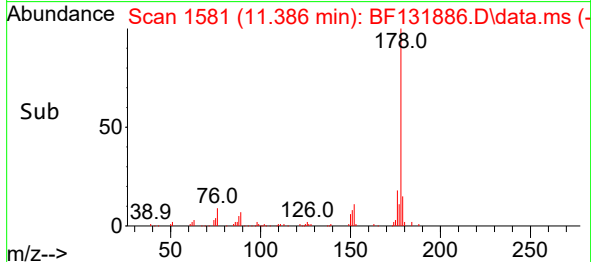
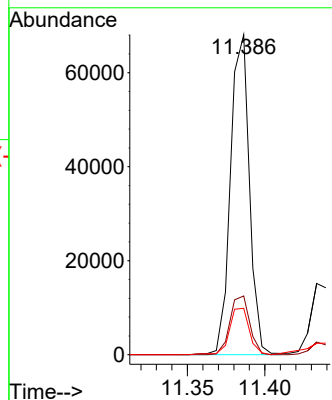
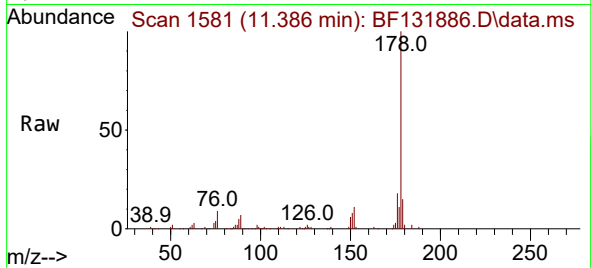




#71  
Phenanthrene  
Concen: 6.186 ng  
RT: 11.386 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF131886.D  
Acq: 29 Dec 2022 19:26

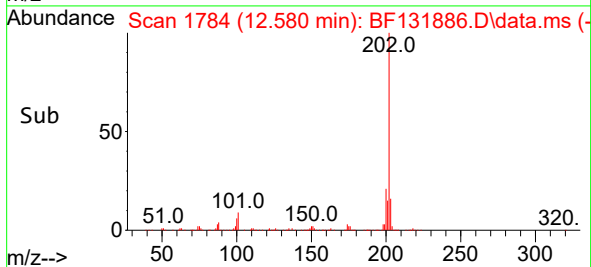
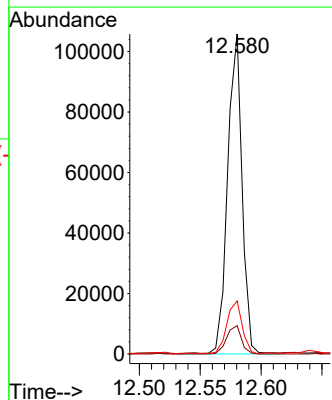
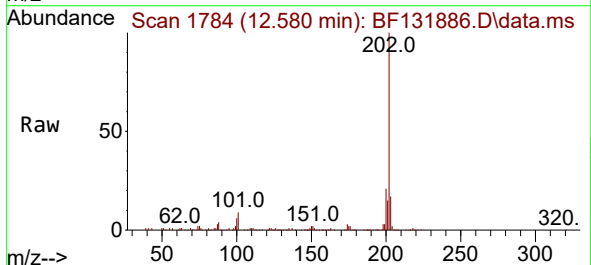
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2S

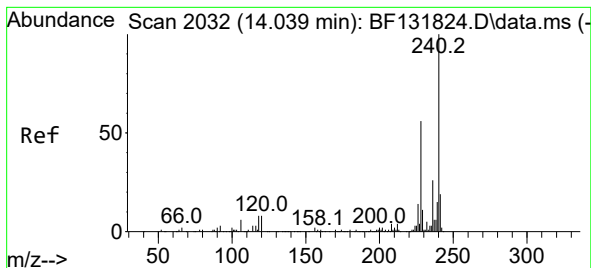
Tgt Ion:178 Resp: 57755  
Ion Ratio Lower Upper  
178 100  
176 18.4 15.5 23.3  
179 14.5 12.2 18.4



#75  
Fluoranthene  
Concen: 8.063 ng  
RT: 12.580 min Scan# 1784  
Delta R.T. -0.000 min  
Lab File: BF131886.D  
Acq: 29 Dec 2022 19:26

Tgt Ion:202 Resp: 87687  
Ion Ratio Lower Upper  
202 100  
101 8.9 0.0 28.6  
203 16.5 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF131886.D

Acq: 29 Dec 2022 19:26

Instrument :

BNA\_F

ClientSampleId :

TP-2S

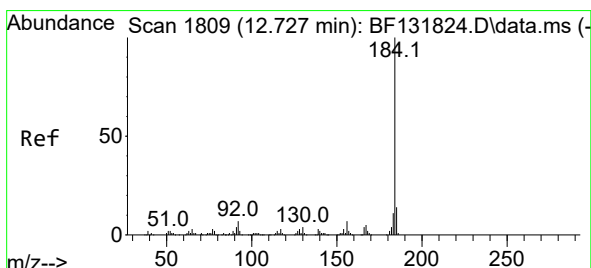
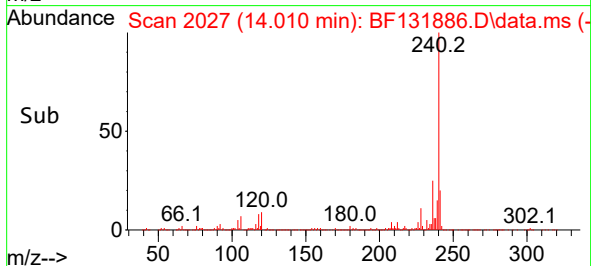
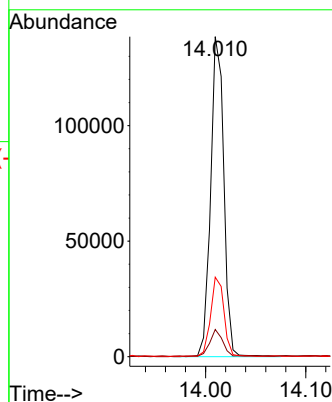
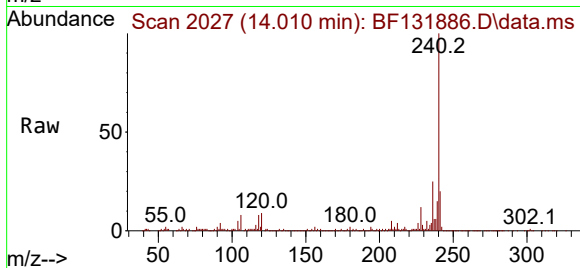
Tgt Ion:240 Resp: 127065

Ion Ratio Lower Upper

240 100

120 8.5 6.7 10.1

236 24.8 20.6 31.0



#77

Benidine

Concen: 3.796 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.241 min

Lab File: BF131886.D

Acq: 29 Dec 2022 19:26

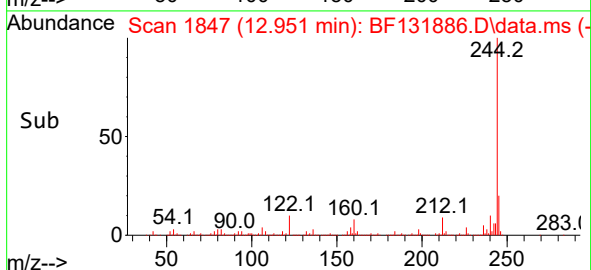
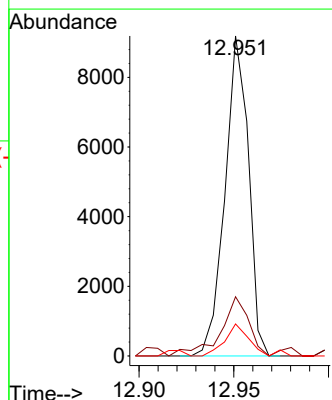
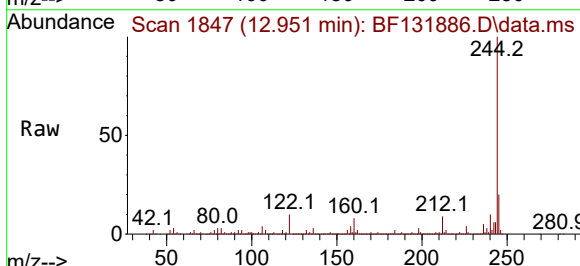
Tgt Ion:184 Resp: 7927

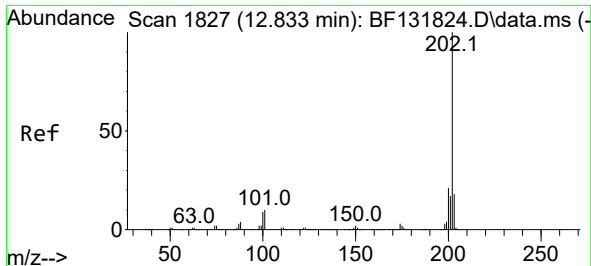
Ion Ratio Lower Upper

184 100

185 18.5 11.6 17.4#

183 10.0 9.0 13.4

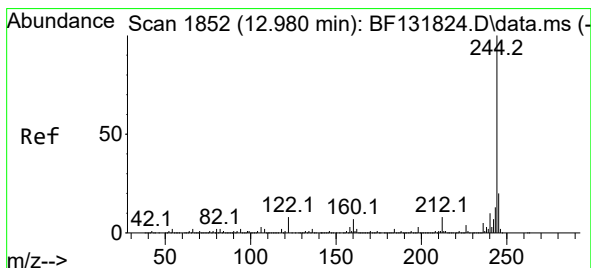
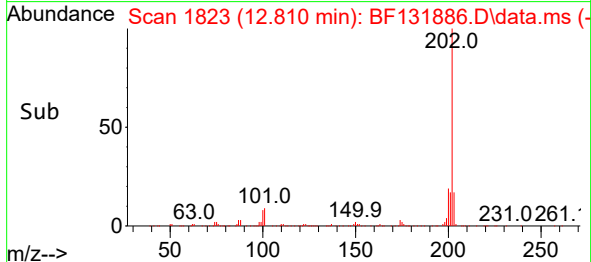
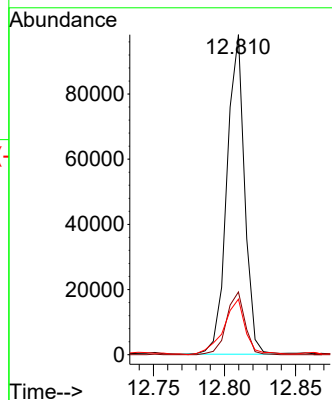
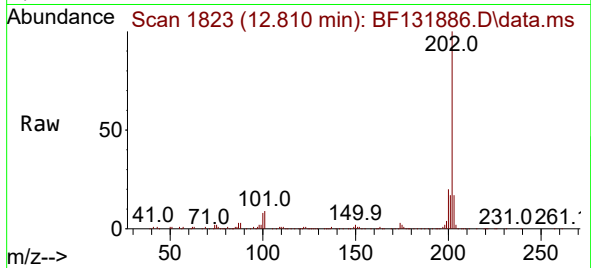




#78  
 Pyrene  
 Concen: 7.984 ng  
 RT: 12.810 min Scan# 1823  
 Delta R.T. -0.006 min  
 Lab File: BF131886.D  
 Acq: 29 Dec 2022 19:26

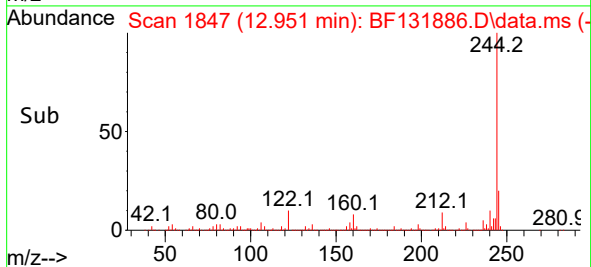
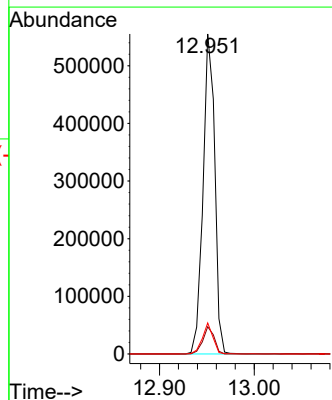
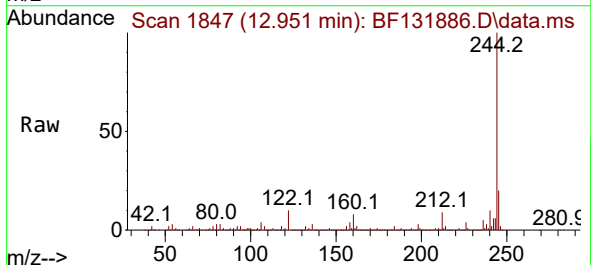
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-2S

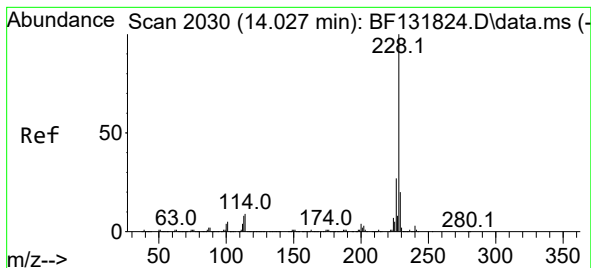
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 85035 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 19.6  | 16.7  | 25.1  |
| 203       | 17.3  | 14.4  | 21.6  |



#79  
 Terphenyl-d14  
 Concen: 63.745 ng  
 RT: 12.951 min Scan# 1847  
 Delta R.T. -0.006 min  
 Lab File: BF131886.D  
 Acq: 29 Dec 2022 19:26

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 244   | Resp: | 478848 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 8.5   | 6.3   | 9.5    |
| 122       | 9.7   | 6.4   | 9.6    |





#81

Benzo(a)anthracene

Concen: 4.626 ng

RT: 14.004 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF131886.D

Acq: 29 Dec 2022 19:26

Instrument :

BNA\_F

ClientSampleId :

TP-2S

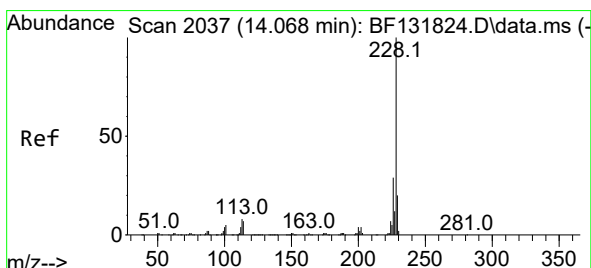
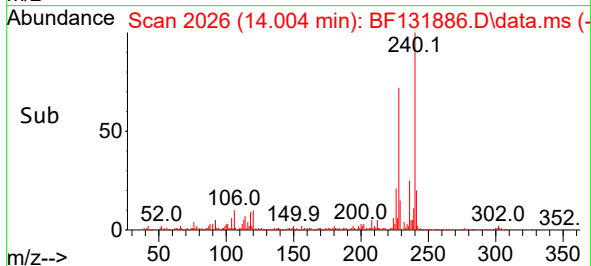
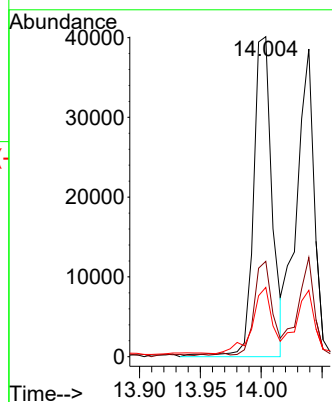
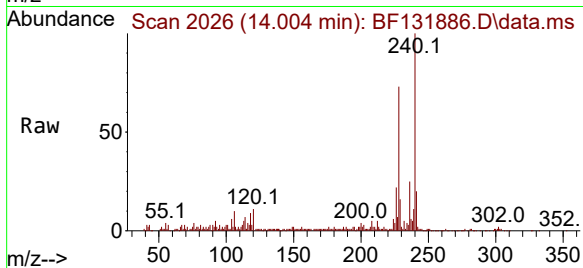
Tgt Ion:228 Resp: 42558

Ion Ratio Lower Upper

228 100

226 29.8 22.0 33.0

229 21.7 16.0 24.0



#83

Chrysene

Concen: 4.491 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF131886.D

Acq: 29 Dec 2022 19:26

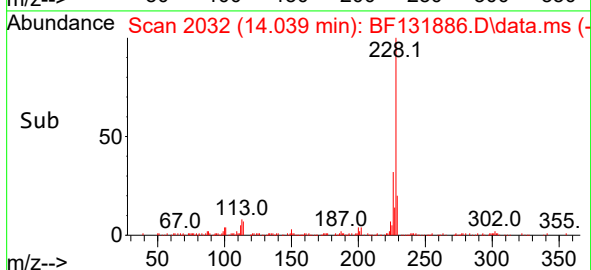
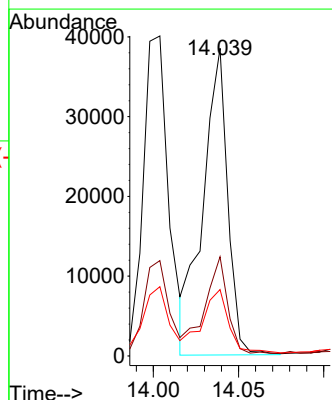
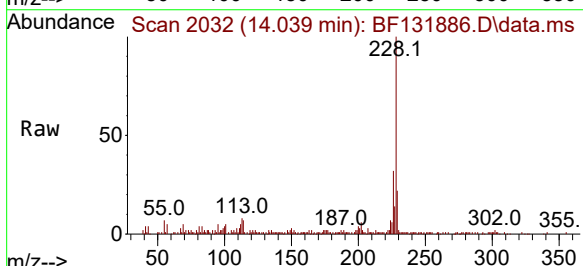
Tgt Ion:228 Resp: 38827

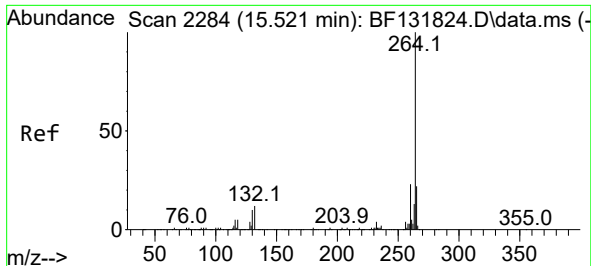
Ion Ratio Lower Upper

228 100

226 32.2 23.5 35.3

229 21.6 16.2 24.2

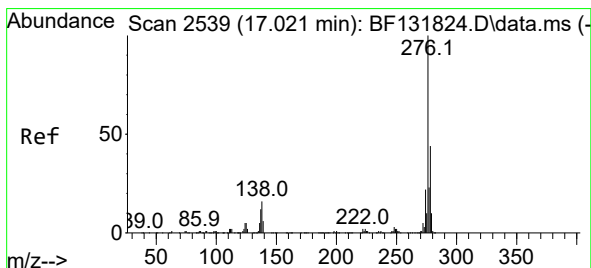
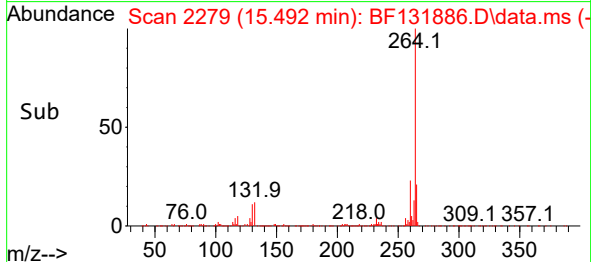
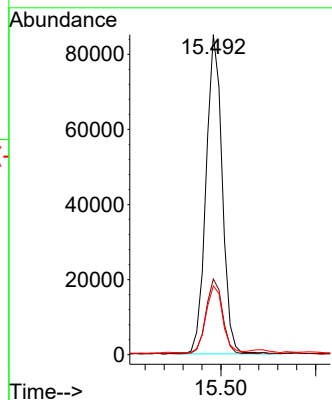
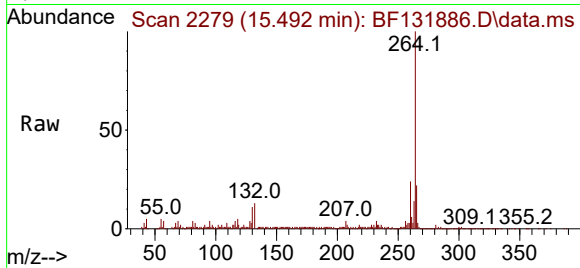




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.492 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BF131886.D  
Acq: 29 Dec 2022 19:26

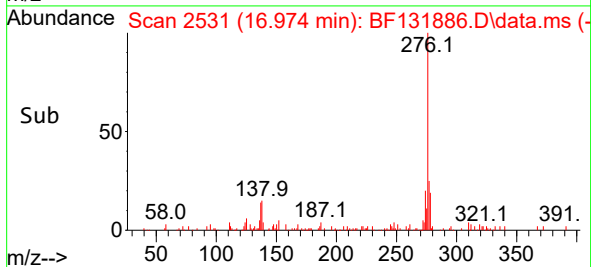
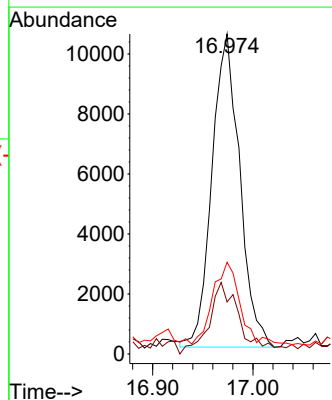
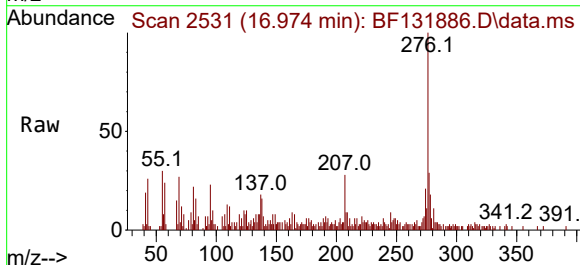
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2S

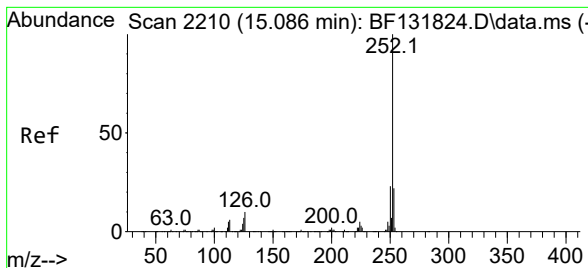
Tgt Ion:264 Resp: 100595  
Ion Ratio Lower Upper  
264 100  
260 23.6 18.6 28.0  
265 21.5 17.4 26.0



#87  
Indeno(1,2,3-cd)pyrene  
Concen: 3.143 ng  
RT: 16.974 min Scan# 2531  
Delta R.T. -0.006 min  
Lab File: BF131886.D  
Acq: 29 Dec 2022 19:26

Tgt Ion:276 Resp: 20084  
Ion Ratio Lower Upper  
276 100  
138 25.7 14.5 21.7#  
277 25.9 19.7 29.5





#88

Benzo(b)fluoranthene

Concen: 8.481 ng

RT: 15.057 min Scan# 2205

Delta R.T. -0.006 min

Lab File: BF131886.D

Acq: 29 Dec 2022 19:26

Instrument :

BNA\_F

ClientSampleId :

TP-2S

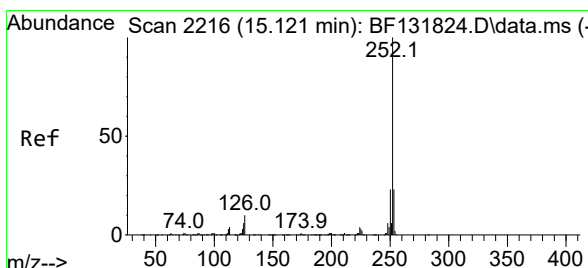
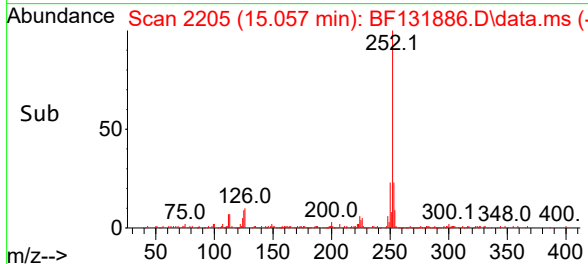
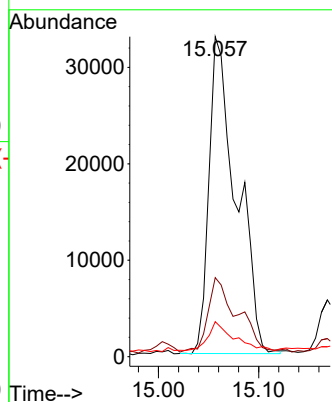
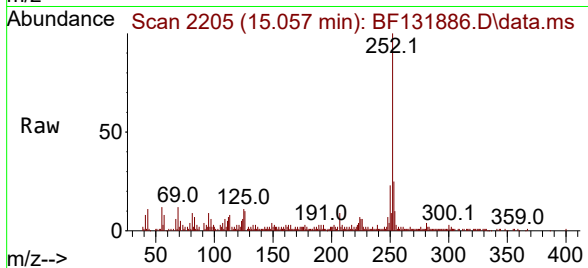
Tgt Ion:252 Resp: 62556

Ion Ratio Lower Upper

252 100

253 24.7 17.6 26.4

125 11.0 5.8 8.8#



#89

Benzo(k)fluoranthene

Concen: 8.778 ng

RT: 15.057 min Scan# 2205

Delta R.T. -0.035 min

Lab File: BF131886.D

Acq: 29 Dec 2022 19:26

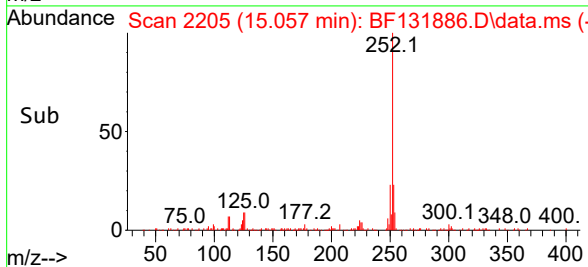
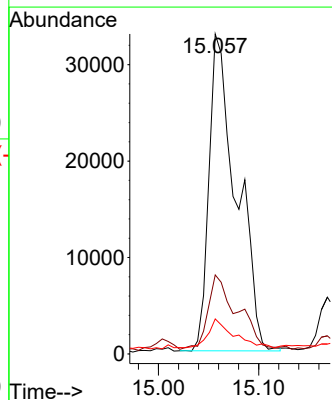
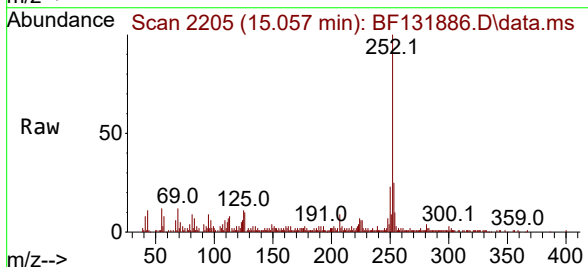
Tgt Ion:252 Resp: 62556

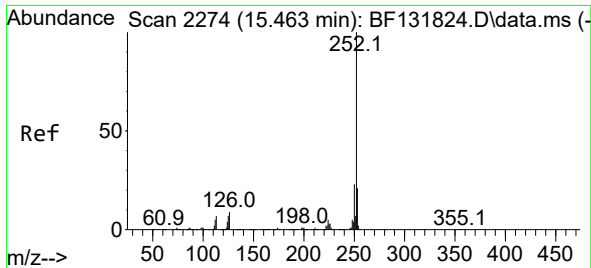
Ion Ratio Lower Upper

252 100

253 24.7 17.7 26.5

125 11.0 5.4 8.0#

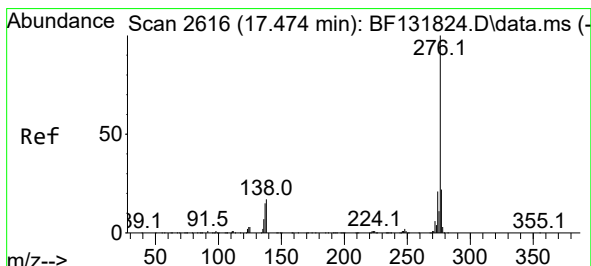
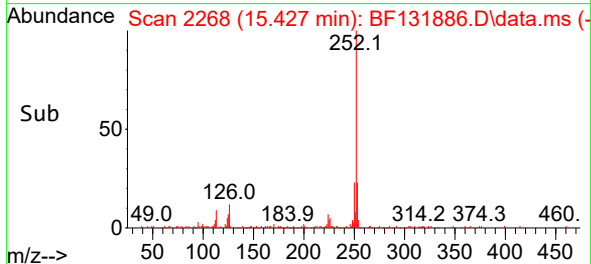
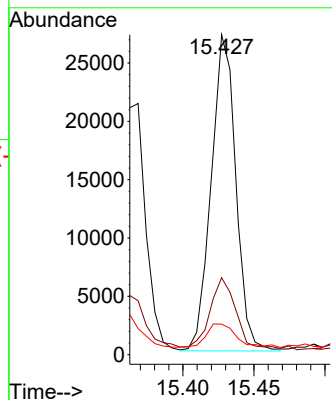
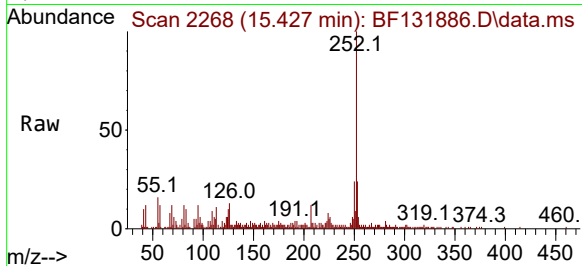




#90  
Benzo(a)pyrene  
Concen: 5.730 ng  
RT: 15.427 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF131886.D  
Acq: 29 Dec 2022 19:26

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2S

Tgt Ion:252 Resp: 32723  
Ion Ratio Lower Upper  
252 100  
253 24.0 16.6 24.8  
125 9.6 5.8 8.8#



#92  
Benzo(g,h,i)perylene  
Concen: 8.223 ng  
RT: 17.427 min Scan# 2608  
Delta R.T. -0.000 min  
Lab File: BF131886.D  
Acq: 29 Dec 2022 19:26

Tgt Ion:276 Resp: 20689  
Ion Ratio Lower Upper  
276 100  
277 24.1 17.9 26.9  
138 14.7 13.7 20.5

