

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011323\  
 Data File : BF132060.D  
 Acq On : 13 Jan 2023 15:36  
 Operator : CG\JU  
 Sample : 01133-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMPOSITE-1

Quant Time: Jan 16 01:17:10 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF010923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 12 23:59:08 2023  
 Response via : Initial Calibration

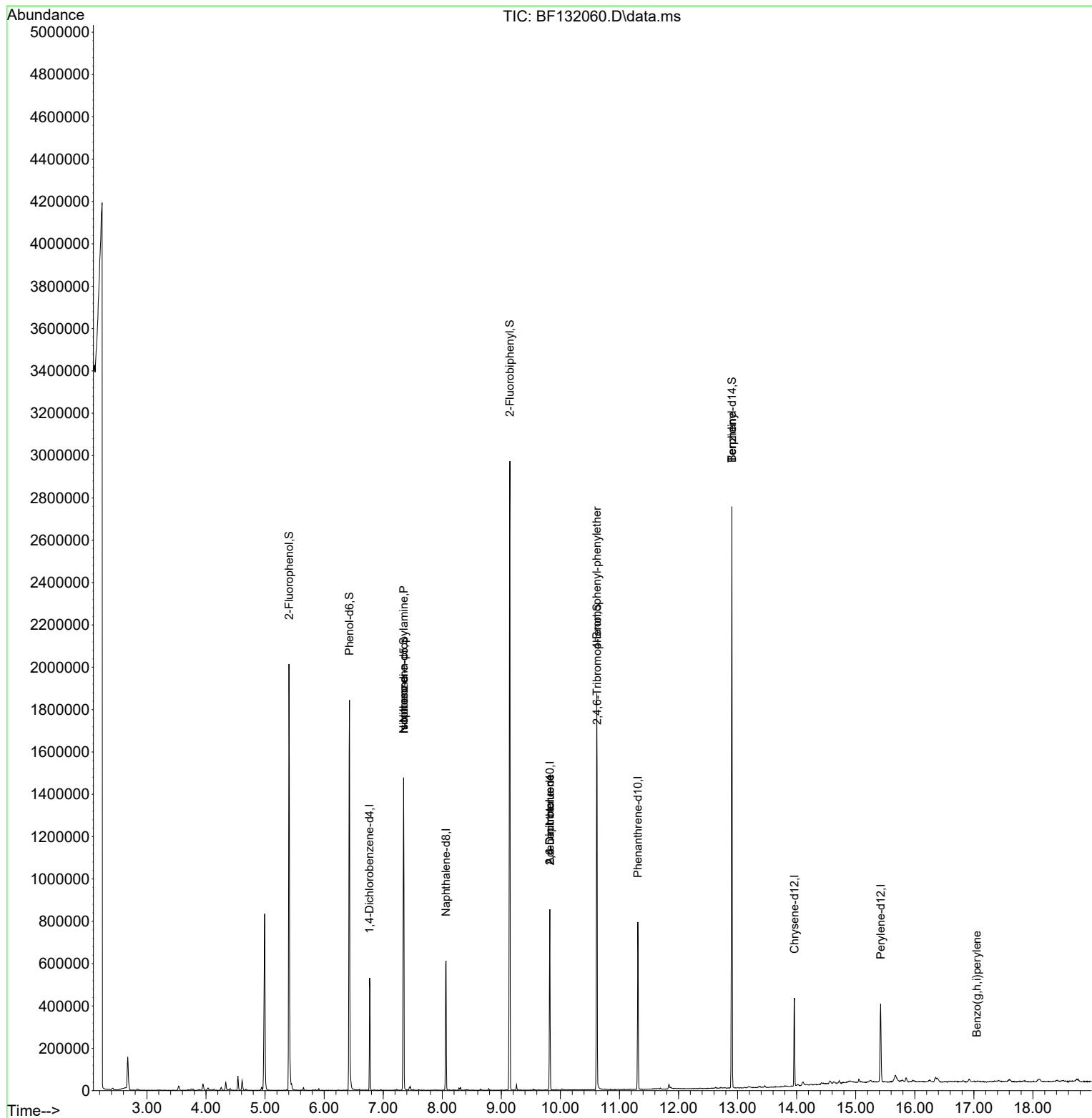
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.769  | 152  | 74163    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.063  | 136  | 266271   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.822  | 164  | 153887   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.310 | 188  | 283404   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.963 | 240  | 140469   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.421 | 264  | 159547   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.404  | 112  | 517802   | 115.047 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.428  | 99   | 602549   | 100.972 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.345  | 82   | 517281   | 80.628  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.622 | 330  | 202629   | 114.521 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.145  | 172  | 905535   | 79.437  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.904 | 244  | 852571   | 86.992  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.345  | 70   | 74088    | 17.163  | ng    | # 77     |
| 25) Isophorone                | 7.345  | 82   | 514322   | 42.912  | ng    | # 69     |
| 51) 2,6-Dinitrotoluene        | 9.822  | 165  | 19550    | 7.749   | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 9.822  | 165  | 19550    | 5.796   | ng    | # 13     |
| 67) 4-Bromophenyl-phenylether | 10.616 | 248  | 14541    | 4.101   | ng    | # 1      |
| 77) Benzidine                 | 12.904 | 184  | 14268    | 3.057   | ng    | # 91     |
| 92) Benzo(g,h,i)perylene      | 17.051 | 276  | 67       | 3.532   | ng    | # 58     |
| -----                         |        |      |          |         |       |          |

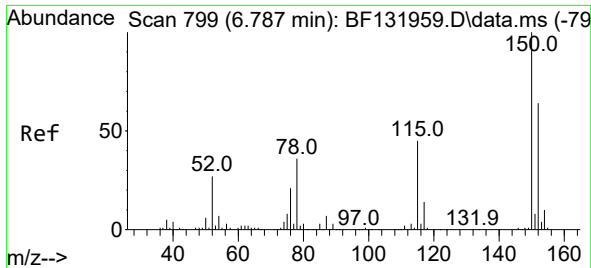
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011323\  
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ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSITE-1

Quant Time: Jan 16 01:17:10 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF010923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jan 12 23:59:08 2023  
Response via : Initial Calibration

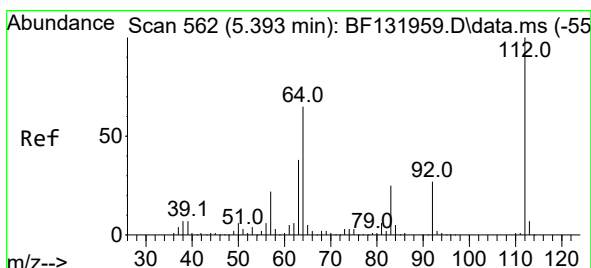
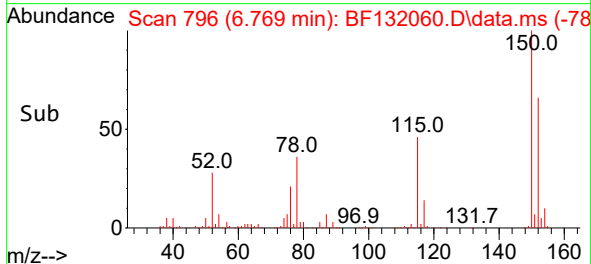
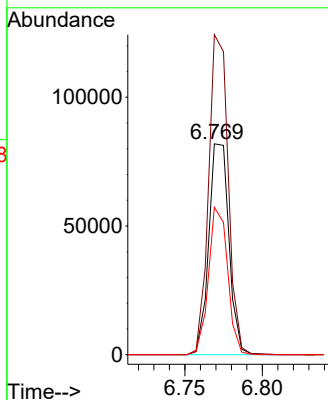
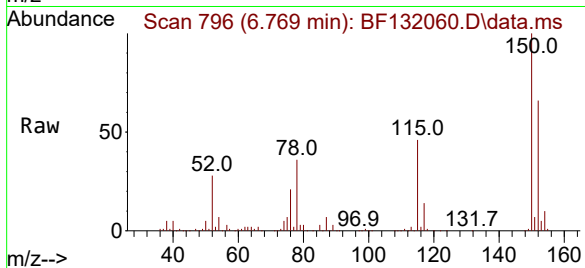




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.769 min Scan# 799  
 Delta R.T. -0.006 min  
 Lab File: BF132060.D  
 Acq: 13 Jan 2023 15:36

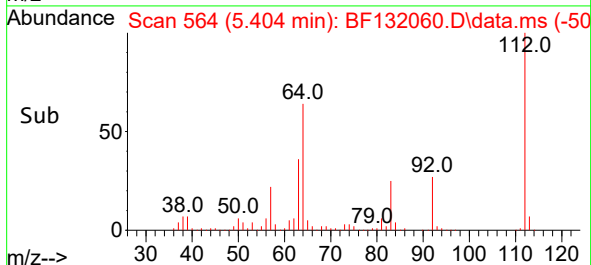
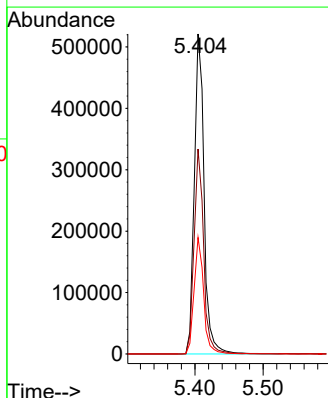
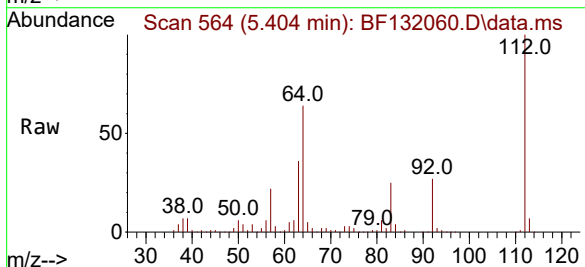
Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMPOSITE-1

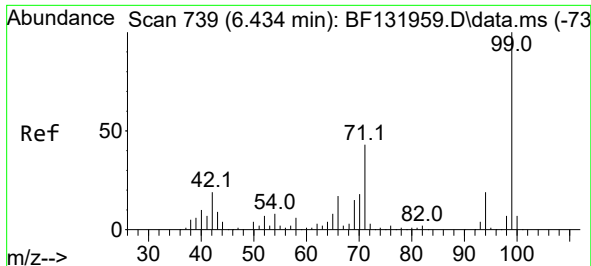
Tgt Ion:152 Resp: 74163  
 Ion Ratio Lower Upper  
 152 100  
 150 151.8 124.6 186.8  
 115 69.9 55.6 83.4



#5  
 2-Fluorophenol  
 Concen: 115.047 ng  
 RT: 5.404 min Scan# 564  
 Delta R.T. 0.024 min  
 Lab File: BF132060.D  
 Acq: 13 Jan 2023 15:36

Tgt Ion:112 Resp: 517802  
 Ion Ratio Lower Upper  
 112 100  
 64 64.1 51.9 77.9  
 63 36.4 30.2 45.2

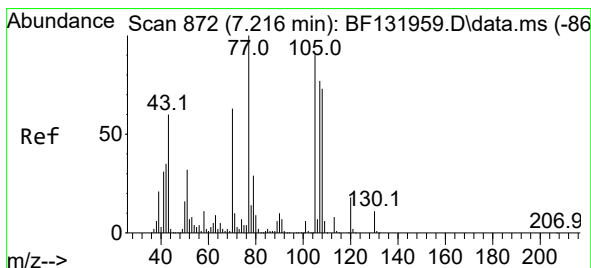
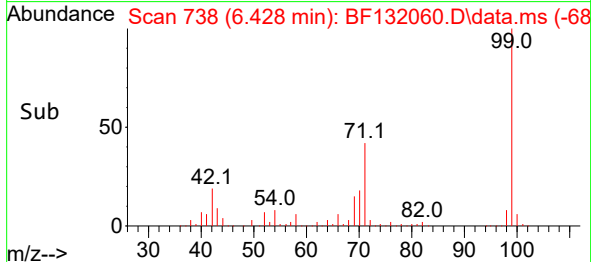
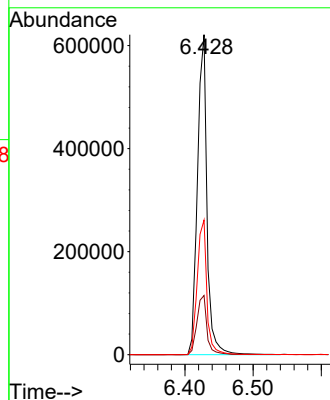
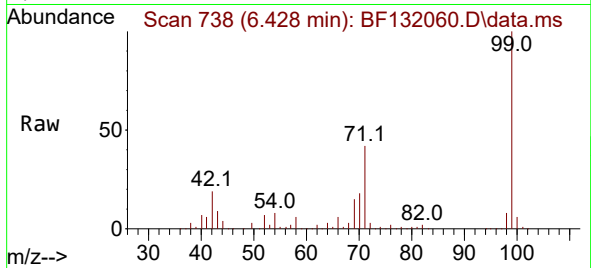




#7  
Phenol-d6  
Concen: 100.972 ng  
RT: 6.428 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: BF132060.D  
Acq: 13 Jan 2023 15:36

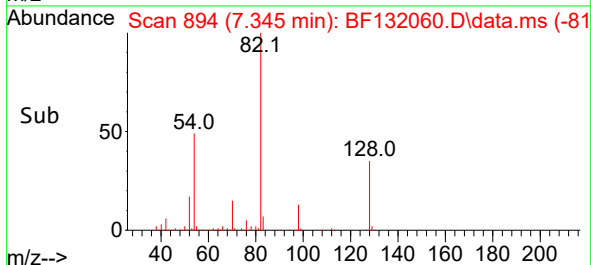
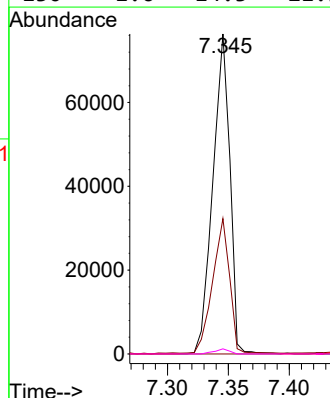
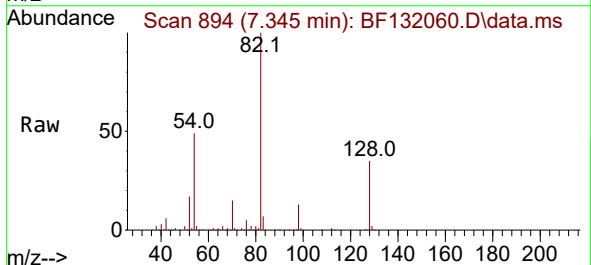
Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSITE-1

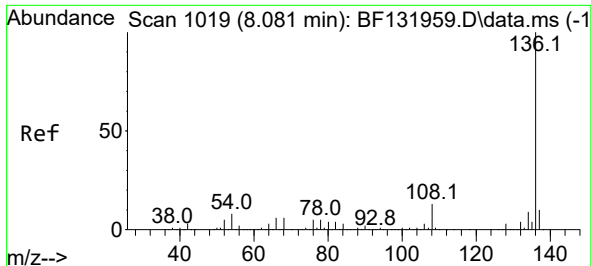
Tgt Ion: 99 Resp: 602549  
Ion Ratio Lower Upper  
99 100  
42 18.5 15.4 23.2  
71 42.1 34.6 51.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 17.163 ng  
RT: 7.345 min Scan# 894  
Delta R.T. 0.147 min  
Lab File: BF132060.D  
Acq: 13 Jan 2023 15:36

Tgt Ion: 70 Resp: 74088  
Ion Ratio Lower Upper  
70 100  
42 42.3 44.3 66.5#  
101 0.0 7.5 11.3#  
130 1.6 14.3 21.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.063 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF132060.D

Acq: 13 Jan 2023 15:36

Instrument :

BNA\_F

ClientSampleId :

COMPOSITE-1

Tgt Ion:136 Resp: 266271

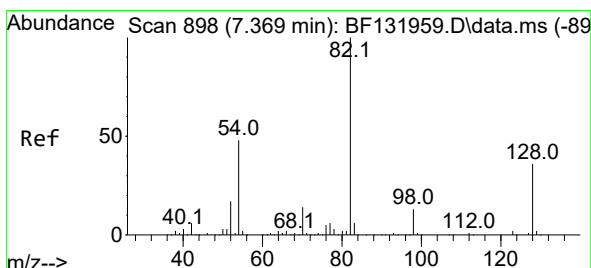
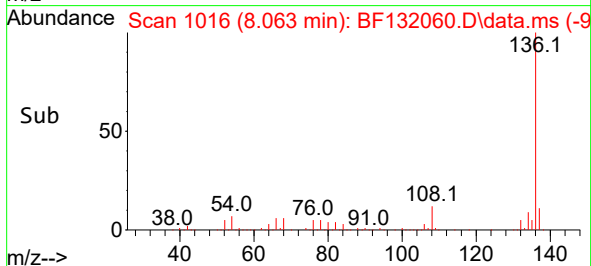
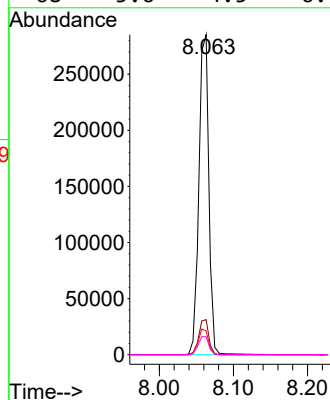
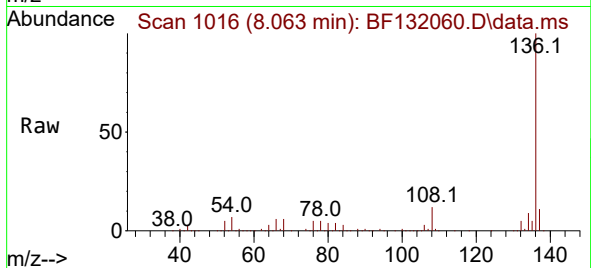
Ion Ratio Lower Upper

136 100

137 10.9 8.2 12.2

54 7.4 6.6 9.8

68 5.6 4.5 6.7



#23

Nitrobenzene-d5

Concen: 80.628 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF132060.D

Acq: 13 Jan 2023 15:36

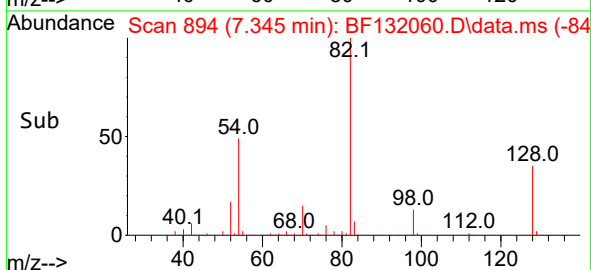
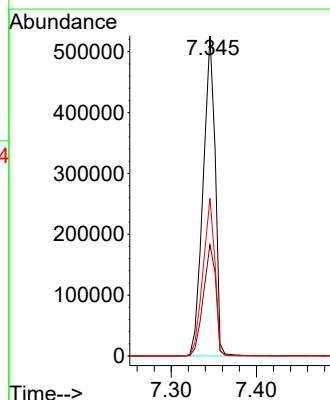
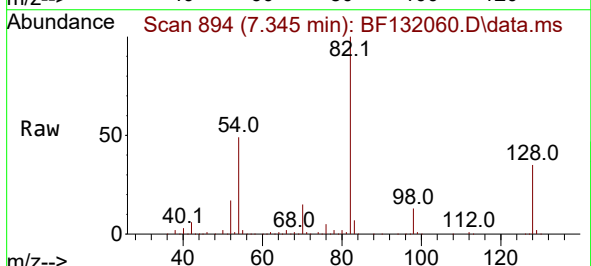
Tgt Ion: 82 Resp: 517281

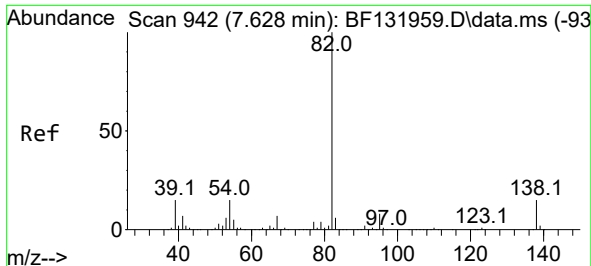
Ion Ratio Lower Upper

82 100

128 34.7 28.7 43.1

54 49.3 38.1 57.1

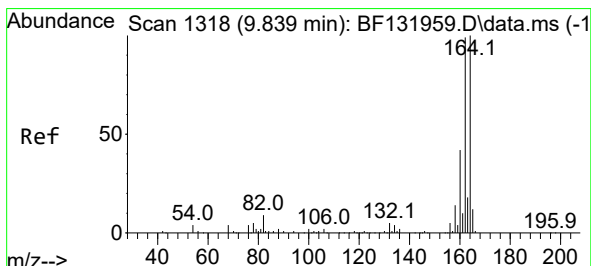
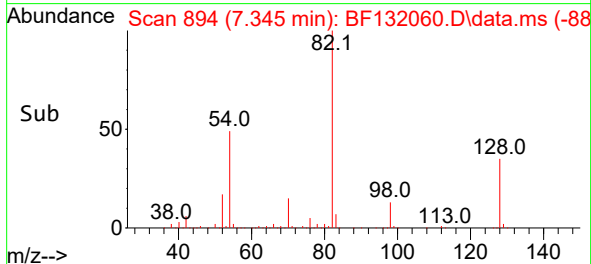
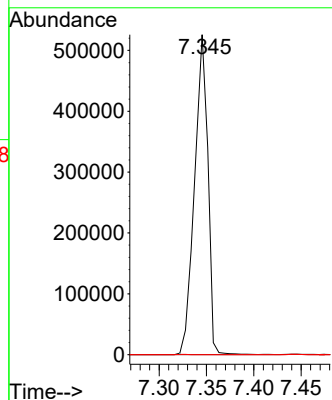
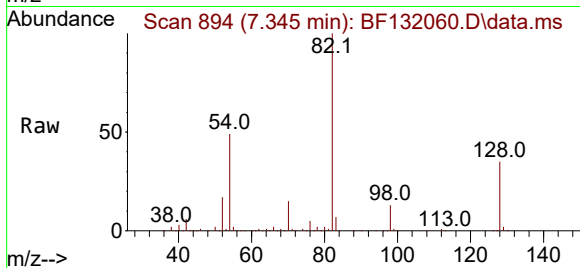




#25  
Isophorone  
Concen: 42.912 ng  
RT: 7.345 min Scan# 894  
Delta R.T. -0.265 min  
Lab File: BF132060.D  
Acq: 13 Jan 2023 15:36

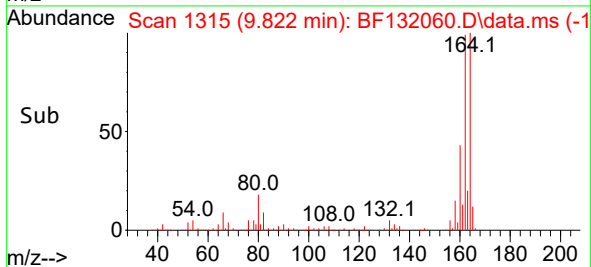
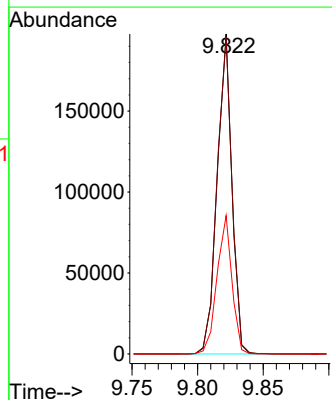
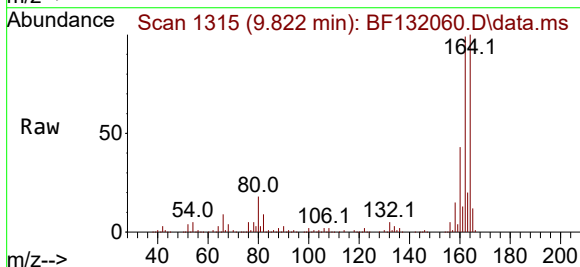
Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSITE-1

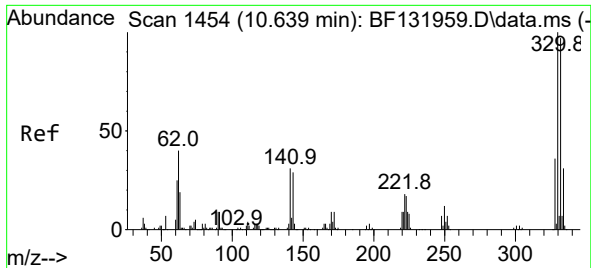
Tgt Ion: 82 Resp: 514322  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.5 9.7#  
138 0.0 11.9 17.9#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.822 min Scan# 1315  
Delta R.T. -0.006 min  
Lab File: BF132060.D  
Acq: 13 Jan 2023 15:36

Tgt Ion:164 Resp: 153887  
Ion Ratio Lower Upper  
164 100  
162 99.0 79.4 119.0  
160 43.2 33.9 50.9

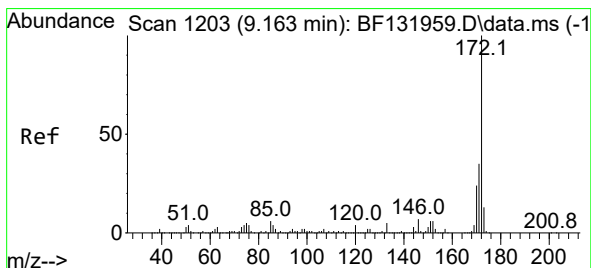
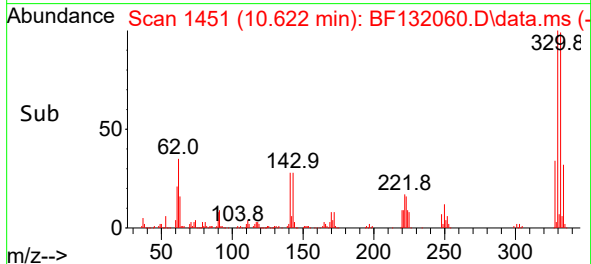
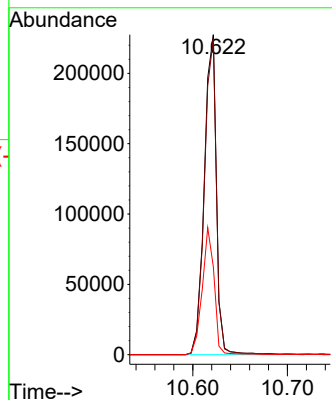
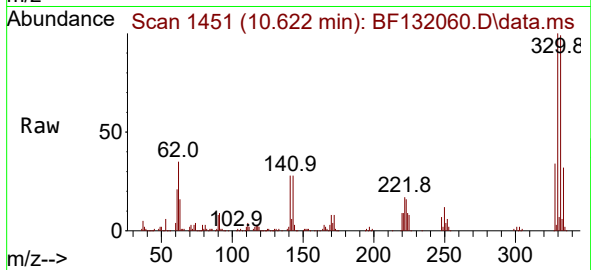




#42  
2,4,6-Tribromophenol  
Concen: 114.521 ng  
RT: 10.622 min Scan# 1454  
Delta R.T. 0.000 min  
Lab File: BF132060.D  
Acq: 13 Jan 2023 15:36

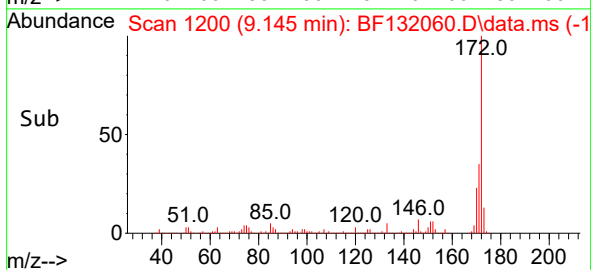
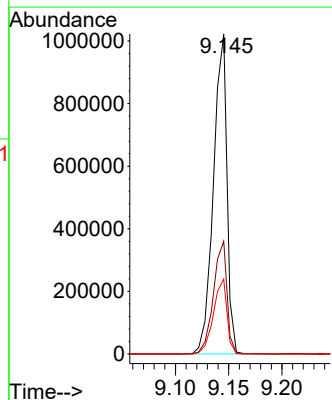
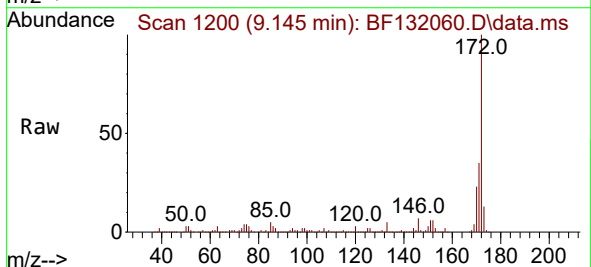
Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSITE-1

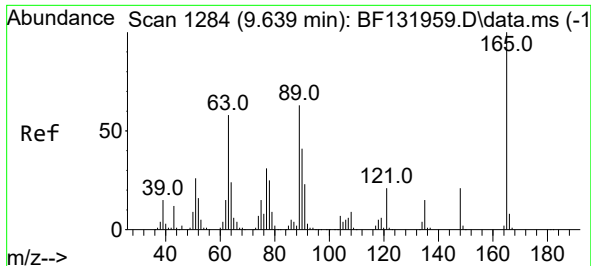
Tgt Ion:330 Resp: 202629  
Ion Ratio Lower Upper  
330 100  
332 98.4 76.9 115.3  
141 39.3 31.3 46.9



#45  
2-Fluorobiphenyl  
Concen: 79.437 ng  
RT: 9.145 min Scan# 1200  
Delta R.T. 0.000 min  
Lab File: BF132060.D  
Acq: 13 Jan 2023 15:36

Tgt Ion:172 Resp: 905535  
Ion Ratio Lower Upper  
172 100  
171 35.3 28.0 42.0  
170 23.4 18.9 28.3

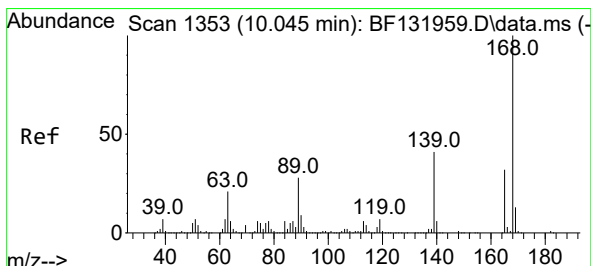
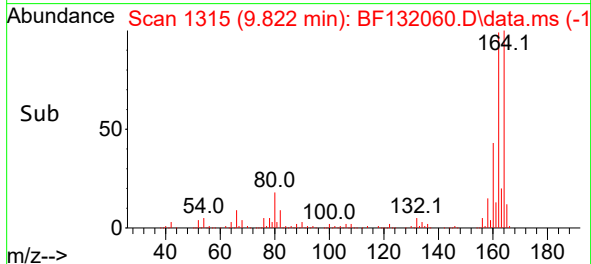
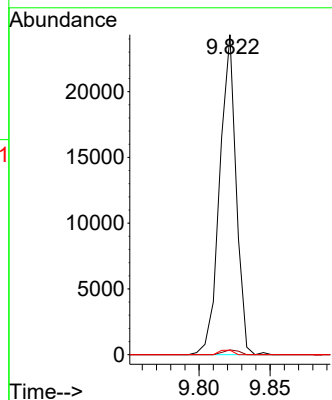
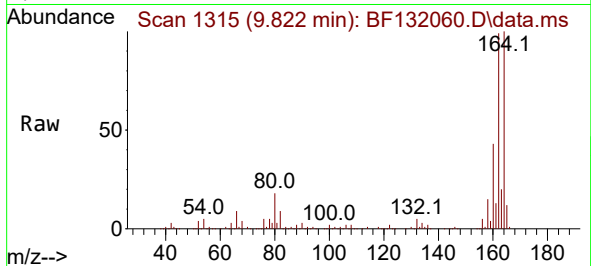




#51  
2,6-Dinitrotoluene  
Concen: 7.749 ng  
RT: 9.822 min Scan# 1315  
Delta R.T. 0.200 min  
Lab File: BF132060.D  
Acq: 13 Jan 2023 15:36

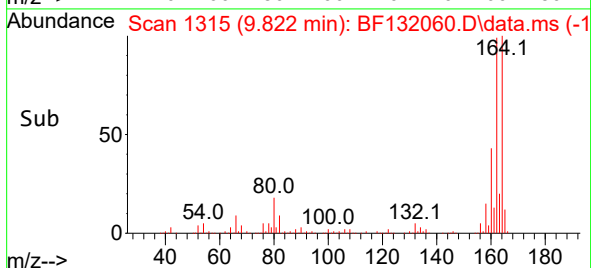
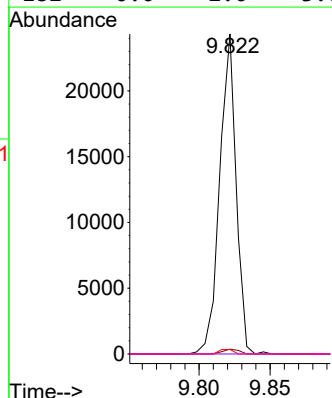
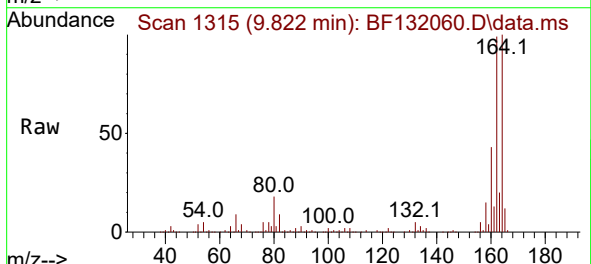
Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSITE-1

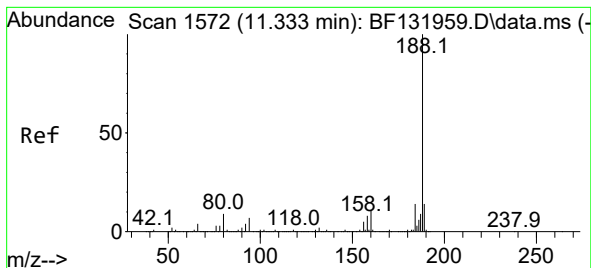
Tgt Ion:165 Resp: 19550  
Ion Ratio Lower Upper  
165 100  
63 1.5 47.4 71.0#  
89 1.4 50.2 75.2#



#57  
2,4-Dinitrotoluene  
Concen: 5.796 ng  
RT: 9.822 min Scan# 1315  
Delta R.T. -0.206 min  
Lab File: BF132060.D  
Acq: 13 Jan 2023 15:36

Tgt Ion:165 Resp: 19550  
Ion Ratio Lower Upper  
165 100  
63 1.5 53.2 79.8#  
89 1.4 71.2 106.8#  
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132060.D

Acq: 13 Jan 2023 15:36

Instrument :

BNA\_F

ClientSampleId :

COMPOSITE-1

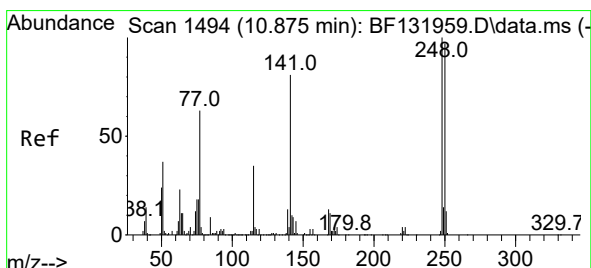
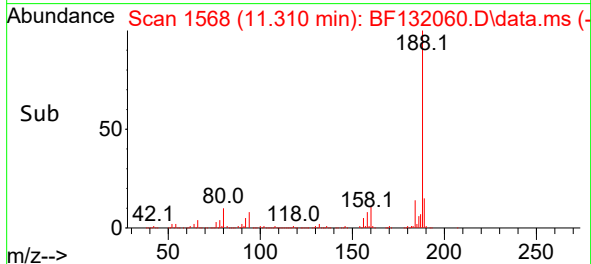
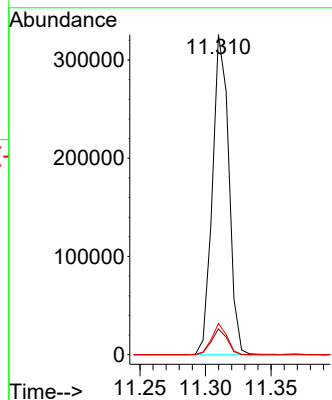
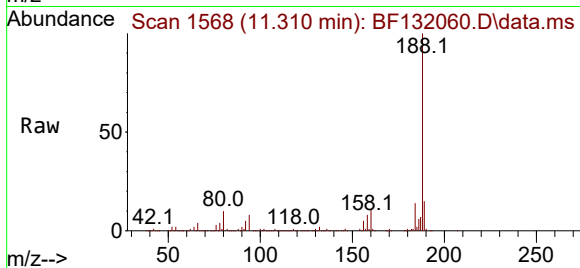
Tgt Ion:188 Resp: 283404

Ion Ratio Lower Upper

188 100

94 8.1 5.8 8.6

80 9.8 7.4 11.0



#67

4-Bromophenyl-phenylether

Concen: 4.101 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.241 min

Lab File: BF132060.D

Acq: 13 Jan 2023 15:36

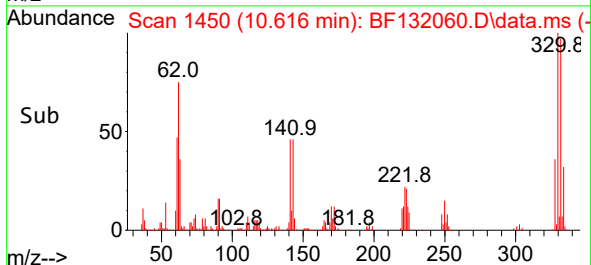
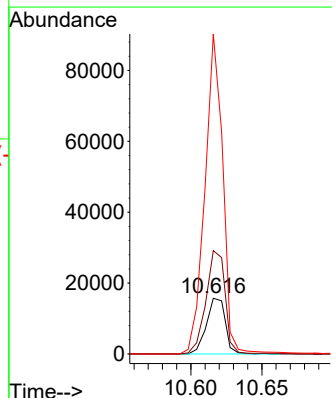
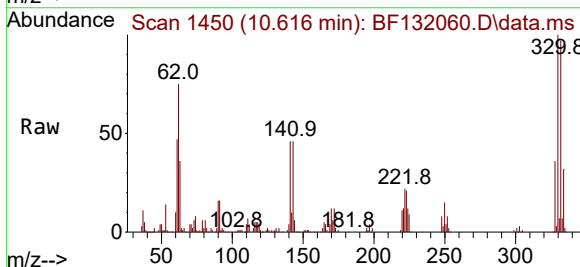
Tgt Ion:248 Resp: 14541

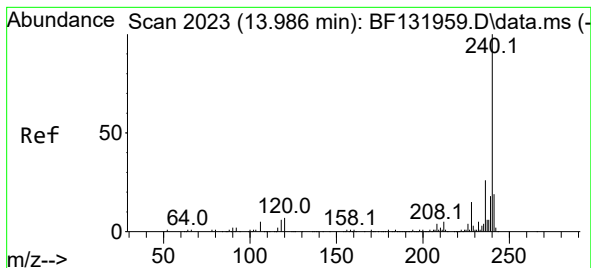
Ion Ratio Lower Upper

248 100

250 185.4 77.4 116.2#

141 573.9 65.0 97.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF132060.D

Acq: 13 Jan 2023 15:36

Instrument :

BNA\_F

ClientSampleId :

COMPOSITE-1

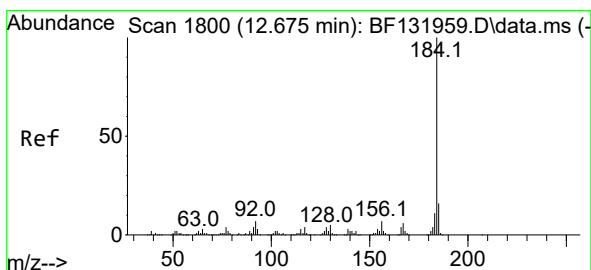
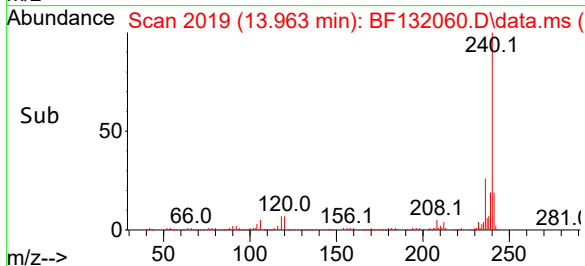
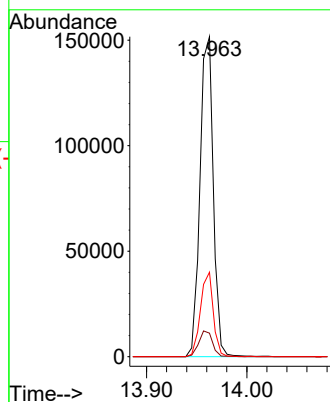
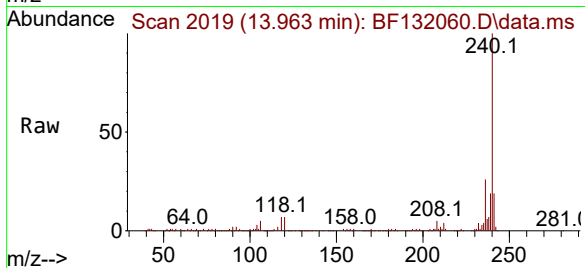
Tgt Ion:240 Resp: 140469

Ion Ratio Lower Upper

240 100

120 7.3 5.4 8.0

236 26.4 21.1 31.7



#77

Benzidine

Concen: 3.057 ng

RT: 12.904 min Scan# 1839

Delta R.T. 0.247 min

Lab File: BF132060.D

Acq: 13 Jan 2023 15:36

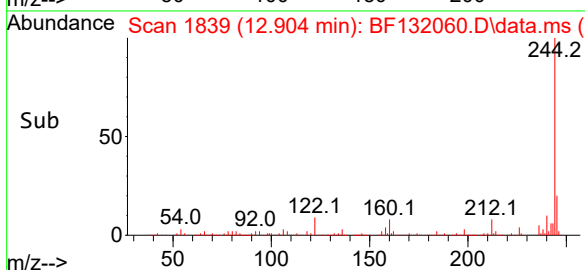
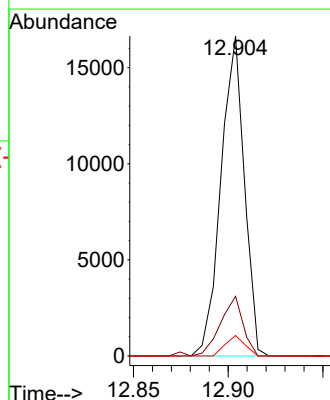
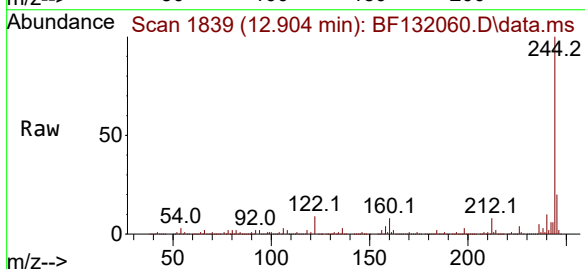
Tgt Ion:184 Resp: 14268

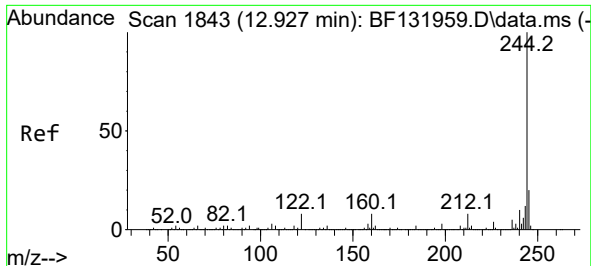
Ion Ratio Lower Upper

184 100

185 18.7 12.8 19.2

183 6.4 9.0 13.4#

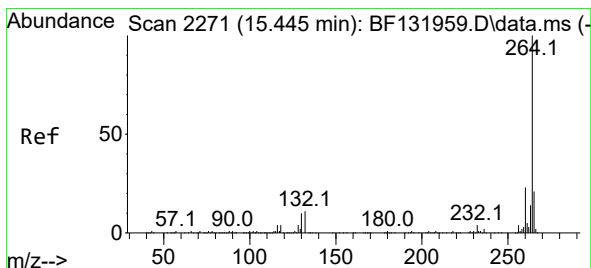
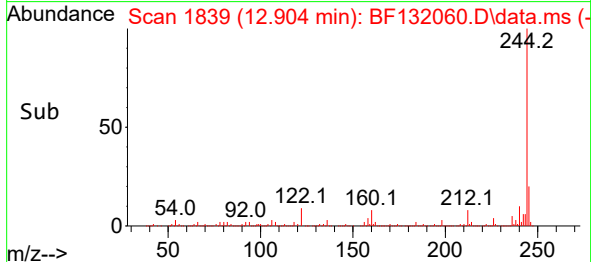
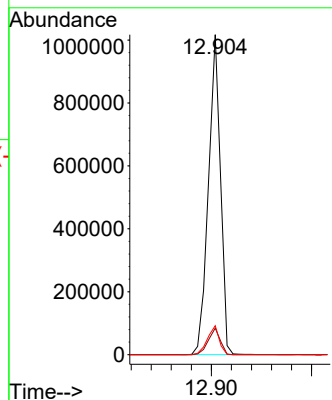
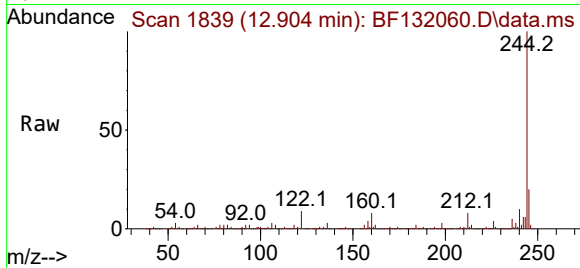




#79  
 Terphenyl-d14  
 Concen: 86.992 ng  
 RT: 12.904 min Scan# 1839  
 Delta R.T. 0.000 min  
 Lab File: BF132060.D  
 Acq: 13 Jan 2023 15:36

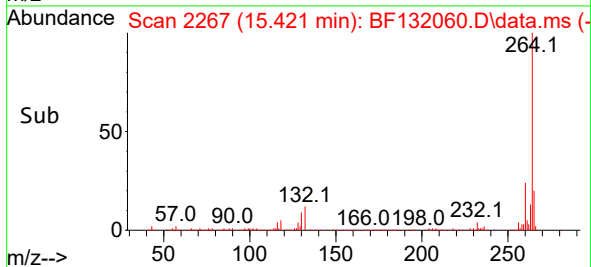
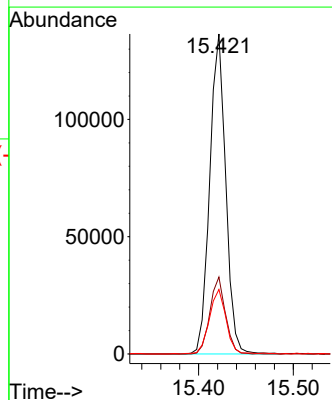
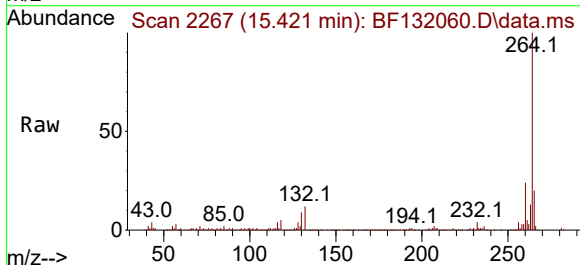
Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMPOSITE-1

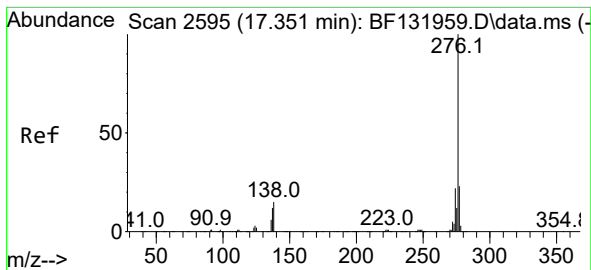
Tgt Ion:244 Resp: 852571  
 Ion Ratio Lower Upper  
 244 100  
 212 8.3 6.3 9.5  
 122 9.0 6.8 10.2



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.421 min Scan# 2267  
 Delta R.T. 0.006 min  
 Lab File: BF132060.D  
 Acq: 13 Jan 2023 15:36

Tgt Ion:264 Resp: 159547  
 Ion Ratio Lower Upper  
 264 100  
 260 24.1 18.3 27.5  
 265 20.1 16.9 25.3





#92

Benzo(g,h,i)perylene

Concen: 3.532 ng

RT: 17.051 min Scan# 21

Delta R.T. -0.265 min

Lab File: BF132060.D

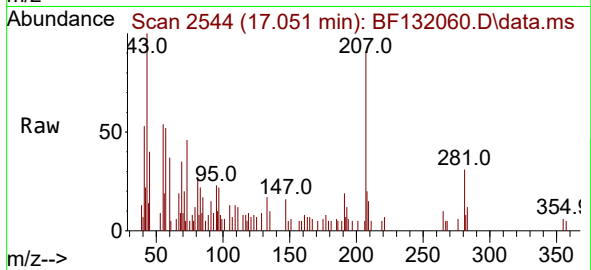
Acq: 13 Jan 2023 15:36

Instrument :

BNA\_F

ClientSampleId :

COMPOSITE-1



Tgt Ion:276 Resp: 67

Ion Ratio Lower Upper

276 100

277 0.0 18.2 27.2#

138 0.0 11.7 17.5#

