

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062023\  
 Data File : BF133858.D  
 Acq On : 20 Jun 2023 16:08  
 Operator : CG\JU  
 Sample : 03223-19 2X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMPOSIT-SB-03RE

Quant Time: Jun 21 00:12:53 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 20 13:43:46 2023  
 Response via : Initial Calibration

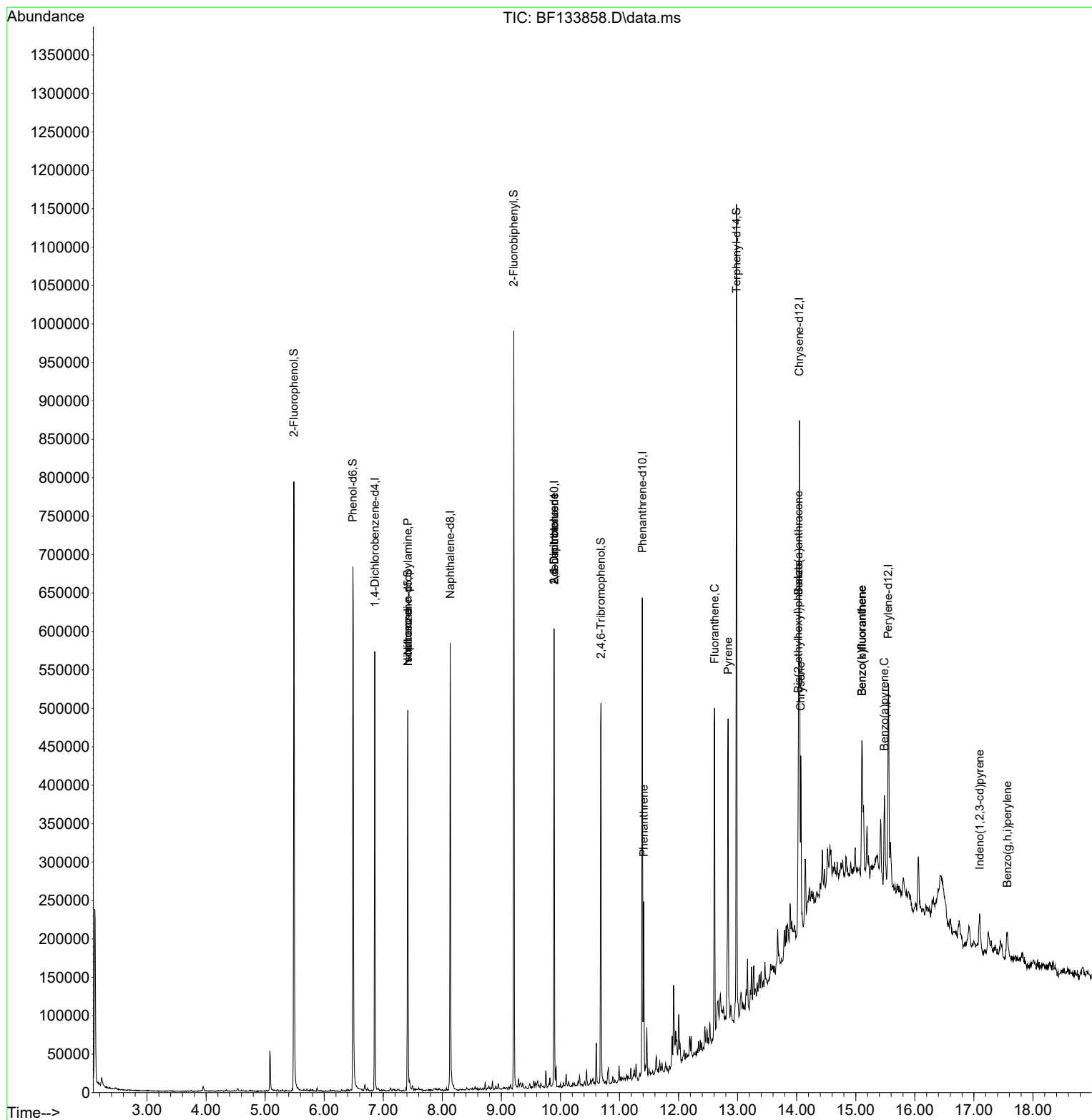
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.857  | 152  | 71736    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.134  | 136  | 242999   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.892  | 164  | 102006   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.386 | 188  | 208032   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 191907   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.551 | 264  | 136018   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 196512   | 47.690 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.487  | 99   | 214406   | 39.974 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.416  | 82   | 141153   | 31.639 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.686 | 330  | 58156    | 45.040 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.210  | 172  | 262568   | 36.590 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.980 | 244  | 332256   | 26.790 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.416  | 70   | 19448    | 5.699  | ng    | # 80     |
| 25) Isophorone                | 7.416  | 82   | 141151   | 17.233 | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.892  | 165  | 13831    | 8.801  | ng    | # 29     |
| 57) 2,4-Dinitrotoluene        | 9.892  | 165  | 13831    | 6.920  | ng    | # 20     |
| 71) Phenanthrene              | 11.410 | 178  | 74644    | 7.072  | ng    | 99       |
| 75) Fluoranthene              | 12.610 | 202  | 179685   | 16.032 | ng    | 98       |
| 78) Pyrene                    | 12.839 | 202  | 168417   | 9.421  | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.033 | 228  | 98952    | 7.454  | ng    | 98       |
| 83) Chrysene                  | 14.068 | 228  | 88296    | 7.033  | ng    | 96       |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149  | 35357    | 3.805  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.098 | 276  | 34369    | 3.673  | ng    | # 93     |
| 88) Benzo(b)fluoranthene      | 15.104 | 252  | 130465   | 15.790 | ng    | # 95     |
| 89) Benzo(k)fluoranthene      | 15.104 | 252  | 130465   | 16.210 | ng    | # 96     |
| 90) Benzo(a)pyrene            | 15.486 | 252  | 58368    | 7.612  | ng    | # 96     |
| 92) Benzo(g,h,i)perylene      | 17.568 | 276  | 34621    | 4.507  | ng    | 97       |
| -----                         |        |      |          |        |       |          |

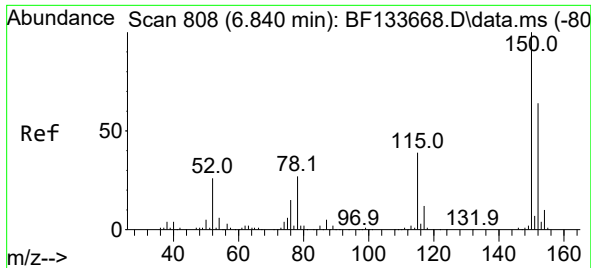
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062023\  
Data File : BF133858.D  
Acq On : 20 Jun 2023 16:08  
Operator : CG\JU  
Sample : 03223-19 2X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-03RE

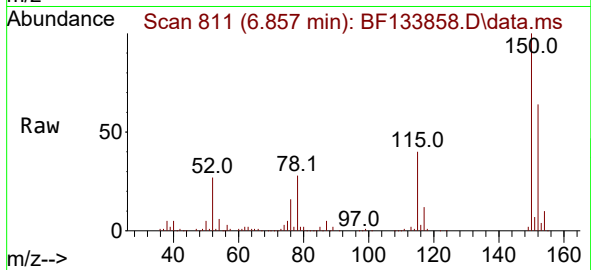
Quant Time: Jun 21 00:12:53 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 20 13:43:46 2023  
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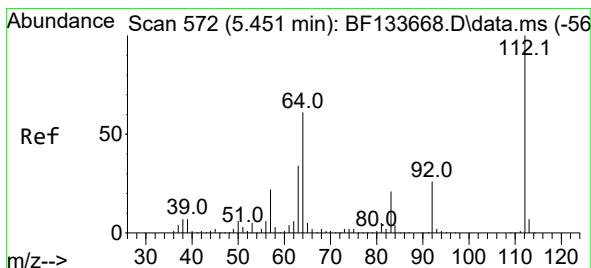
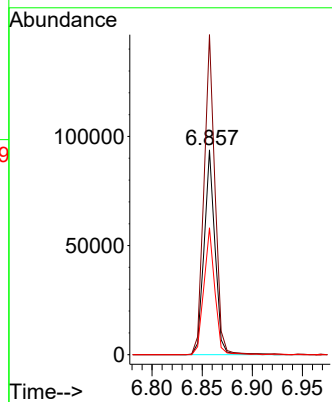
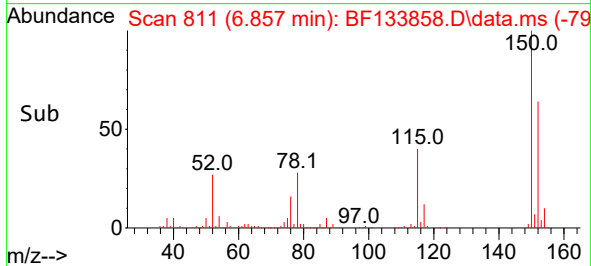


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.857 min Scan# 811  
Delta R.T. 0.000 min  
Lab File: BF133858.D  
Acq: 20 Jun 2023 16:08

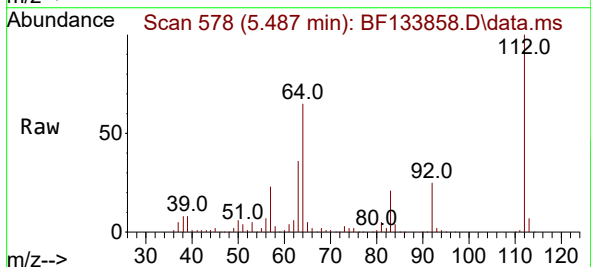
Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-03RE



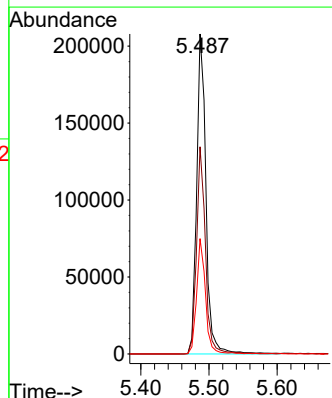
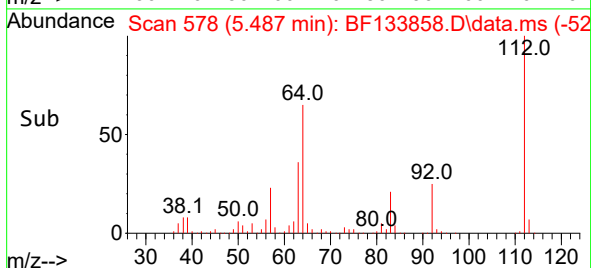
Tgt Ion:152 Resp: 71736  
Ion Ratio Lower Upper  
152 100  
150 156.2 124.3 186.5  
115 61.9 48.5 72.7

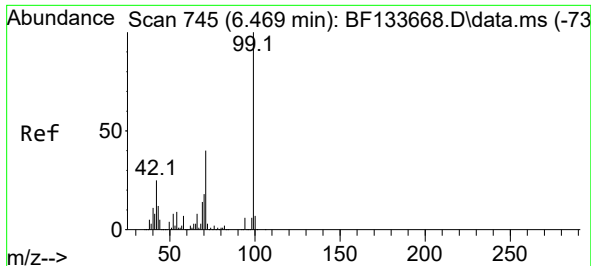


#5  
2-Fluorophenol  
Concen: 47.690 ng  
RT: 5.487 min Scan# 578  
Delta R.T. 0.000 min  
Lab File: BF133858.D  
Acq: 20 Jun 2023 16:08



Tgt Ion:112 Resp: 196512  
Ion Ratio Lower Upper  
112 100  
64 64.7 49.0 73.4  
63 36.0 26.8 40.2

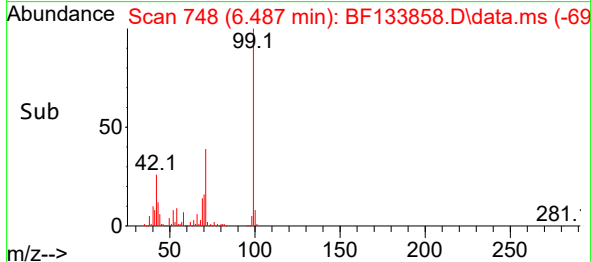
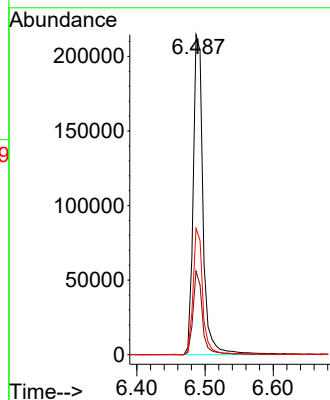
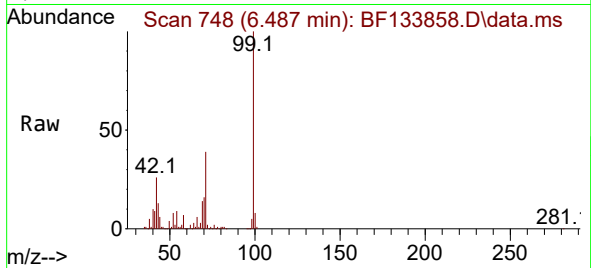




#7  
Phenol-d6  
Concen: 39.974 ng  
RT: 6.487 min Scan# 74  
Delta R.T. -0.006 min  
Lab File: BF133858.D  
Acq: 20 Jun 2023 16:08

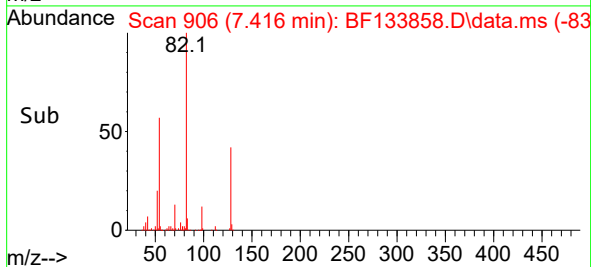
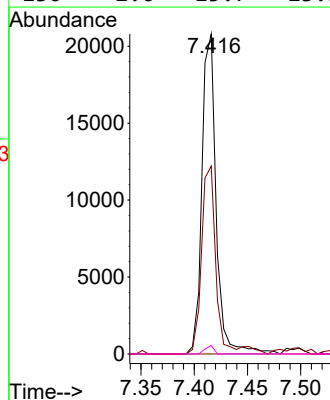
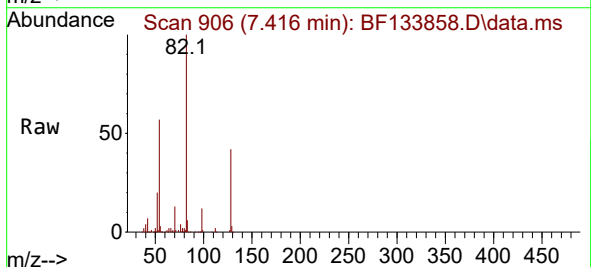
Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-03RE

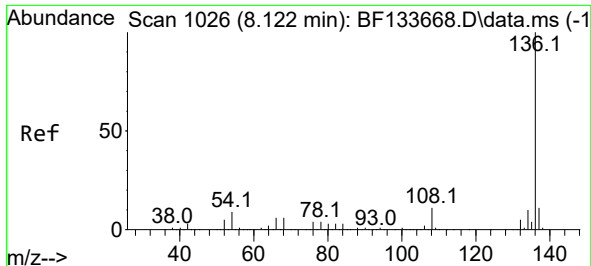
Tgt Ion: 99 Resp: 214406  
Ion Ratio Lower Upper  
99 100  
42 26.1 19.9 29.9  
71 39.4 32.2 48.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 5.699 ng  
RT: 7.416 min Scan# 906  
Delta R.T. 0.141 min  
Lab File: BF133858.D  
Acq: 20 Jun 2023 16:08

Tgt Ion: 70 Resp: 19448  
Ion Ratio Lower Upper  
70 100  
42 58.7 55.8 83.8  
101 0.0 8.1 12.1#  
130 2.6 15.7 23.5#

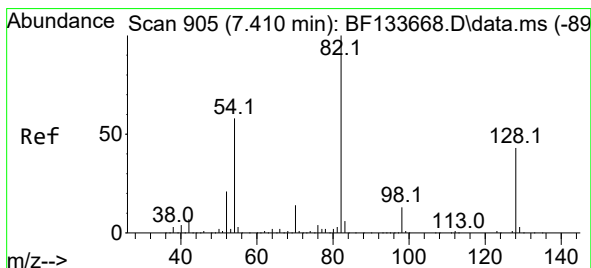
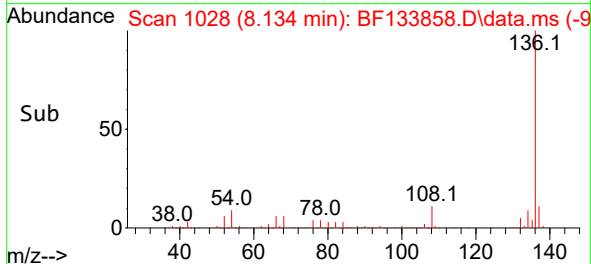
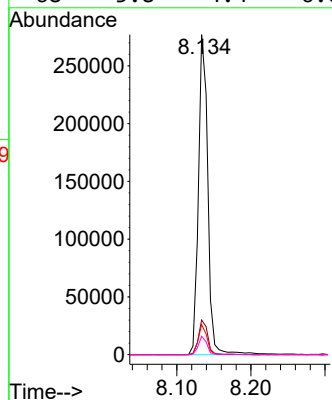
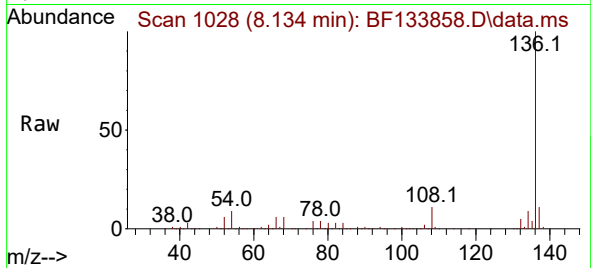




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.134 min Scan# 1026  
Delta R.T. -0.006 min  
Lab File: BF133858.D  
Acq: 20 Jun 2023 16:08

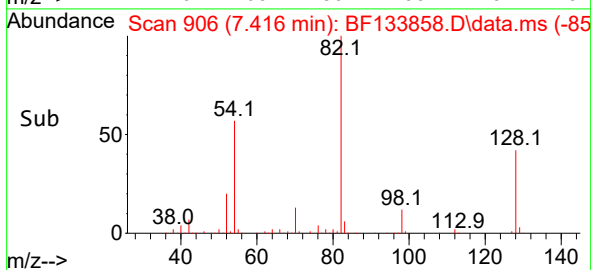
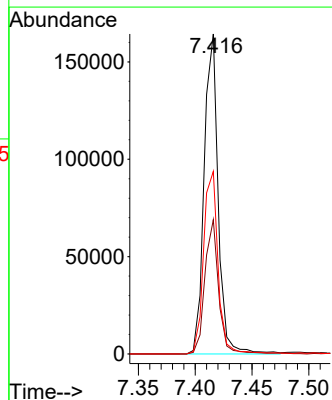
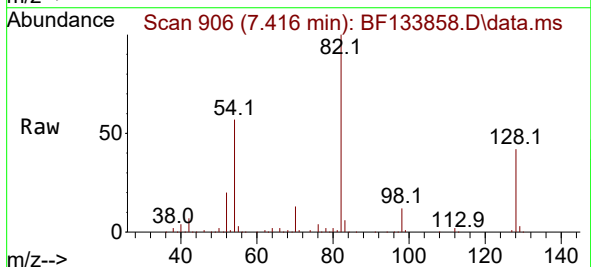
Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-03RE

Tgt Ion:136 Resp: 242999  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.8 13.2  
54 9.4 7.4 11.0  
68 5.8 4.4 6.6



#23  
Nitrobenzene-d5  
Concen: 31.639 ng  
RT: 7.416 min Scan# 906  
Delta R.T. -0.006 min  
Lab File: BF133858.D  
Acq: 20 Jun 2023 16:08

Tgt Ion: 82 Resp: 141153  
Ion Ratio Lower Upper  
82 100  
128 41.9 34.2 51.2  
54 57.0 46.5 69.7

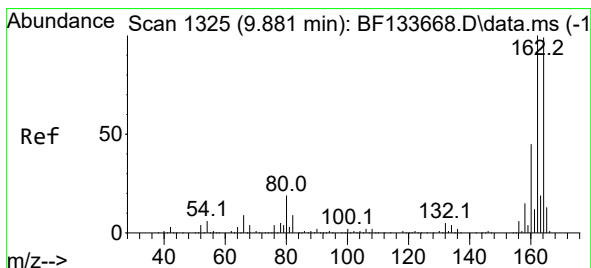
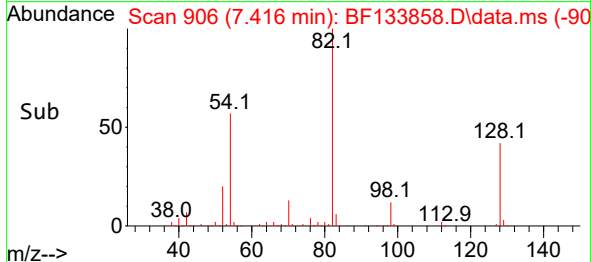
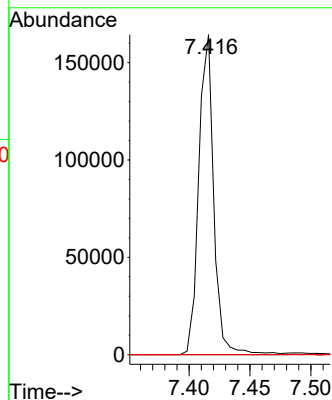
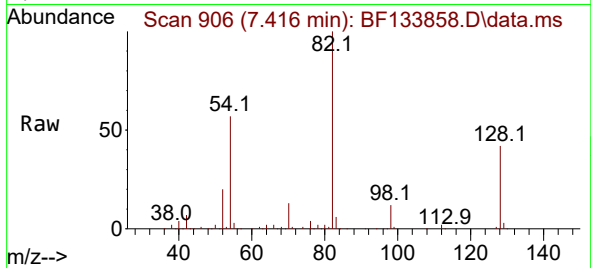




#25  
Isophorone  
Concen: 17.233 ng  
RT: 7.416 min Scan# 90  
Delta R.T. -0.265 min  
Lab File: BF133858.D  
Acq: 20 Jun 2023 16:08

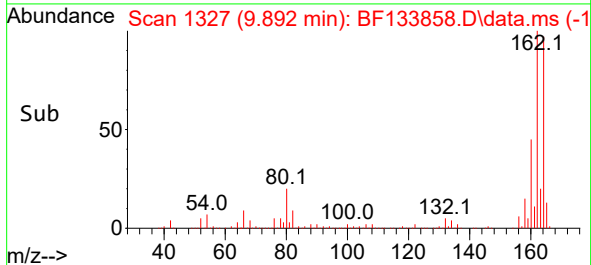
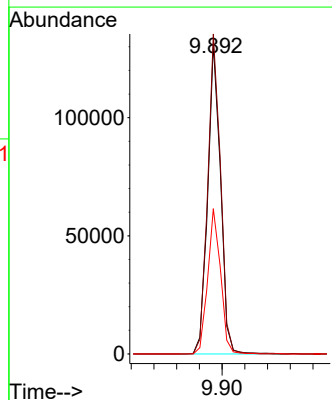
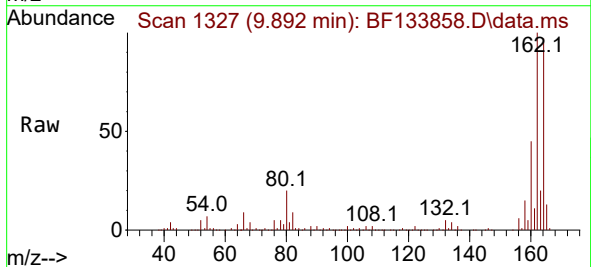
Instrument :  
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COMPOSIT-SB-03RE

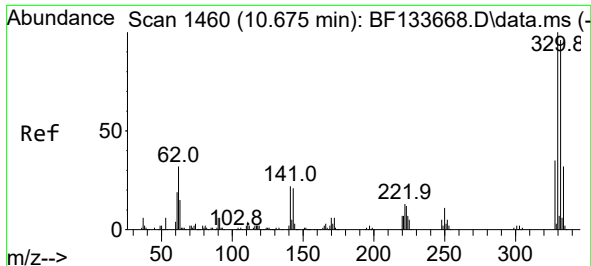
Tgt Ion: 82 Resp: 141151  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 14.2 21.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.892 min Scan# 1327  
Delta R.T. -0.006 min  
Lab File: BF133858.D  
Acq: 20 Jun 2023 16:08

Tgt Ion: 164 Resp: 102006  
Ion Ratio Lower Upper  
164 100  
162 103.2 80.8 121.2  
160 46.9 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 45.040 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF133858.D

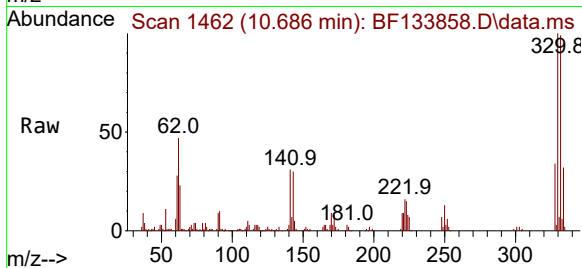
Acq: 20 Jun 2023 16:08

Instrument :

BNA\_F

ClientSampleId :

COMPOSIT-SB-03RE



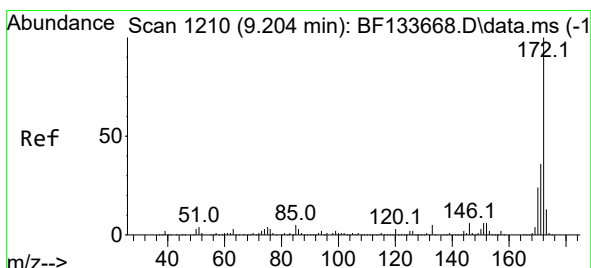
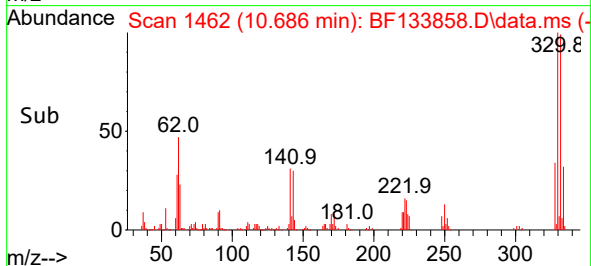
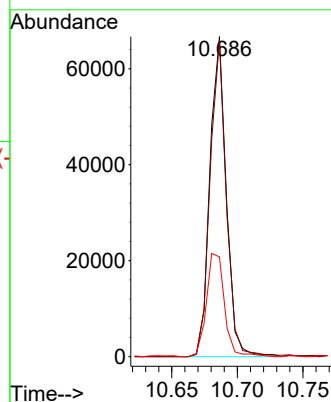
Tgt Ion:330 Resp: 58156

Ion Ratio Lower Upper

330 100

332 97.9 77.2 115.8

141 35.5 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 36.590 ng

RT: 9.210 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF133858.D

Acq: 20 Jun 2023 16:08

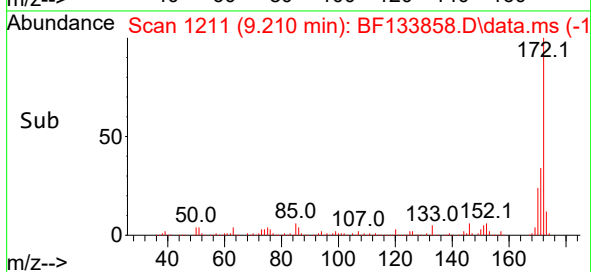
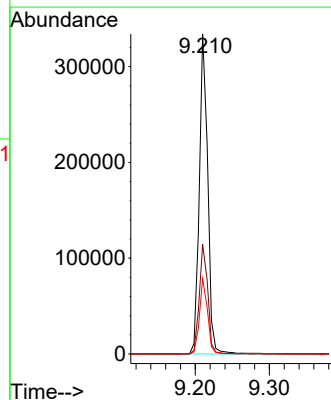
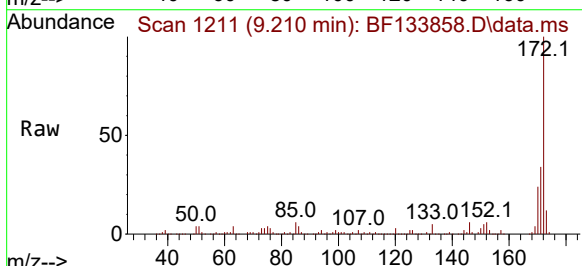
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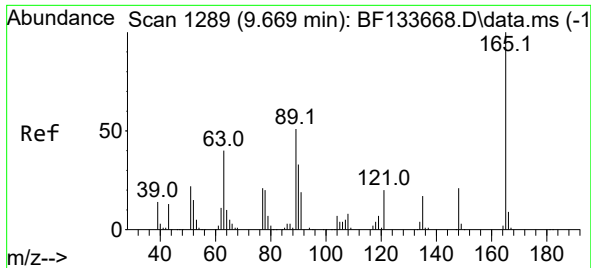
Ion Ratio Lower Upper

172 100

171 34.2 28.6 43.0

170 23.6 19.1 28.7

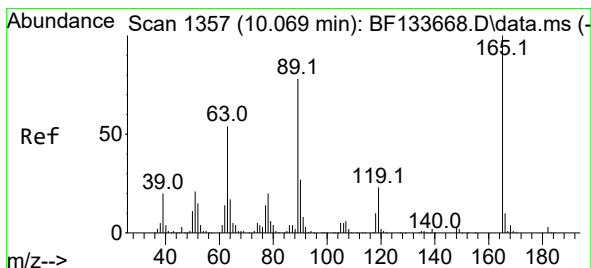
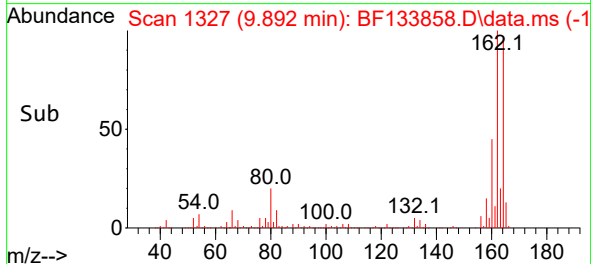
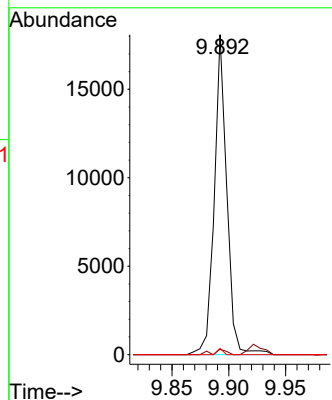
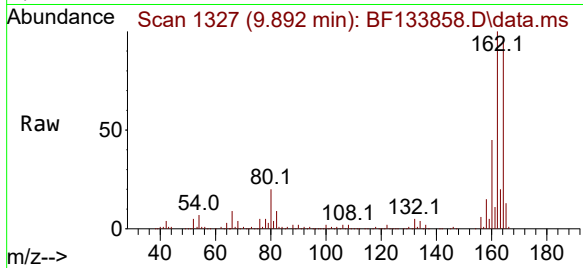




#51  
2,6-Dinitrotoluene  
Concen: 8.801 ng  
RT: 9.892 min Scan# 1327  
Delta R.T. 0.212 min  
Lab File: BF133858.D  
Acq: 20 Jun 2023 16:08

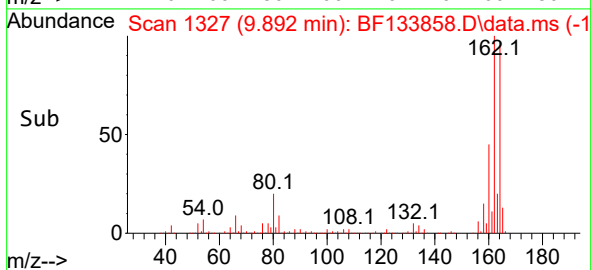
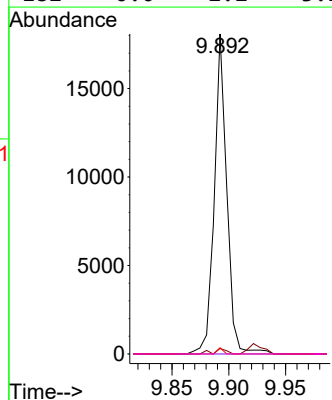
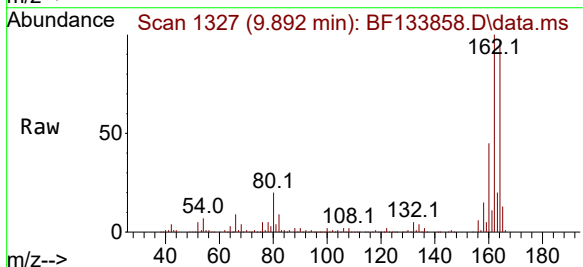
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COMPOSIT-SB-03RE

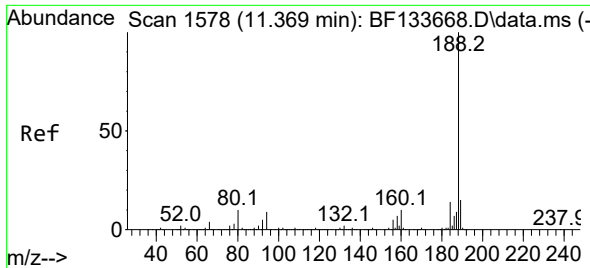
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Ion Ratio Lower Upper  
165 100  
63 1.7 42.1 63.1#  
89 2.0 40.9 61.3#



#57  
2,4-Dinitrotoluene  
Concen: 6.920 ng  
RT: 9.892 min Scan# 1327  
Delta R.T. -0.194 min  
Lab File: BF133858.D  
Acq: 20 Jun 2023 16:08

Tgt Ion:165 Resp: 13831  
Ion Ratio Lower Upper  
165 100  
63 1.7 43.0 64.6#  
89 2.0 62.6 93.8#  
182 0.0 2.2 3.2#

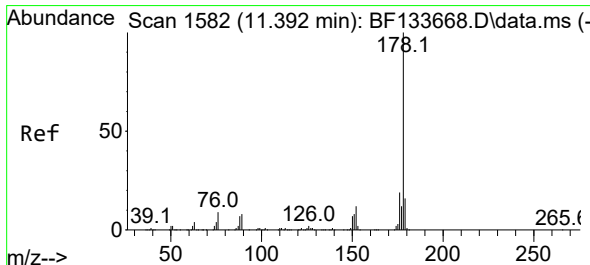
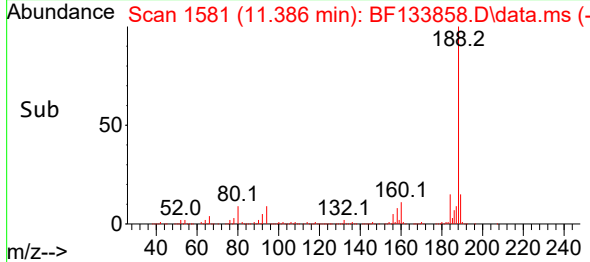
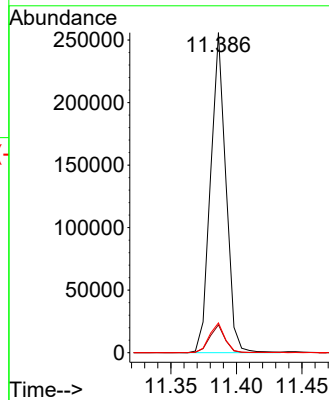
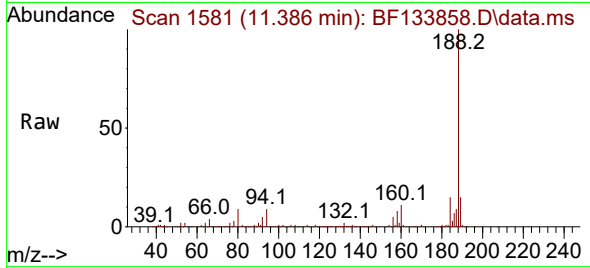




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.386 min Scan# 1581  
Delta R.T. 0.000 min  
Lab File: BF133858.D  
Acq: 20 Jun 2023 16:08

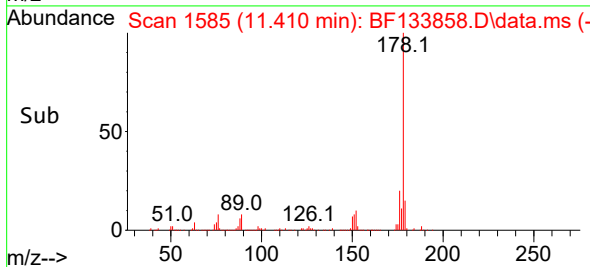
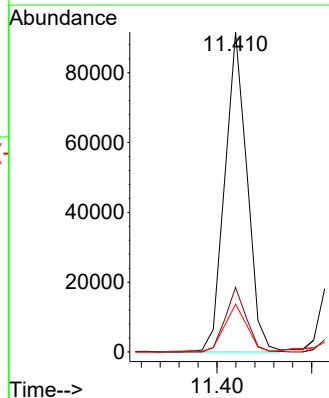
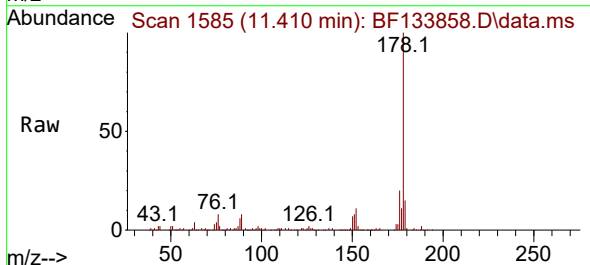
Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-03RE

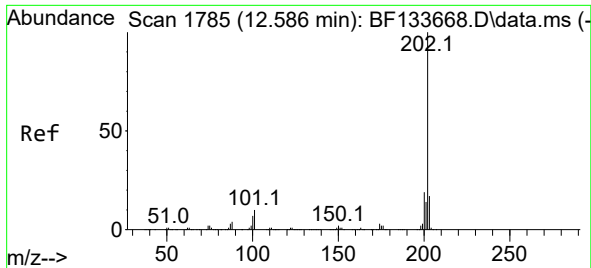
Tgt Ion:188 Resp: 208032  
Ion Ratio Lower Upper  
188 100  
94 8.7 6.8 10.2  
80 9.3 7.8 11.6



#71  
Phenanthrene  
Concen: 7.072 ng  
RT: 11.410 min Scan# 1585  
Delta R.T. -0.006 min  
Lab File: BF133858.D  
Acq: 20 Jun 2023 16:08

Tgt Ion:178 Resp: 74644  
Ion Ratio Lower Upper  
178 100  
176 20.2 15.6 23.4  
179 15.0 12.4 18.6

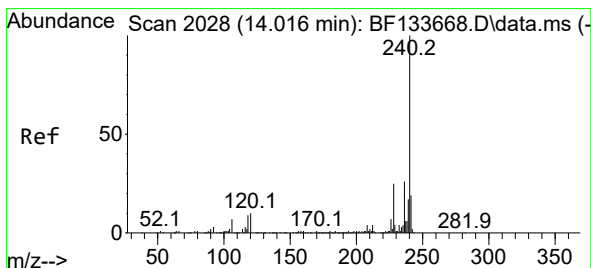
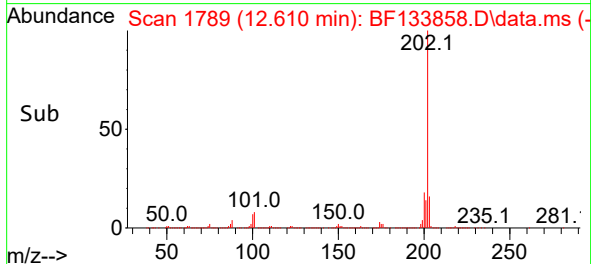
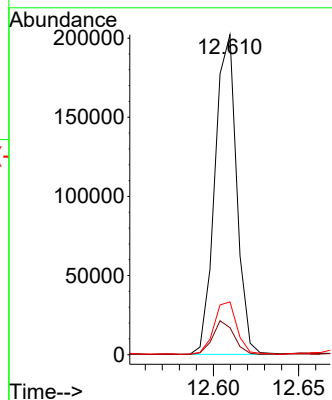
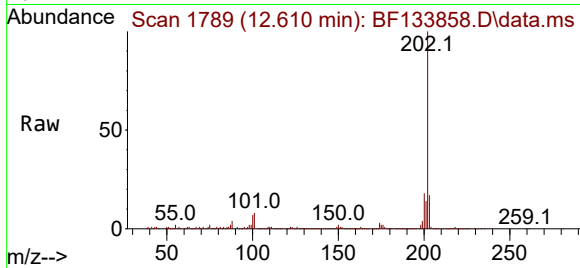




#75  
Fluoranthene  
Concen: 16.032 ng  
RT: 12.610 min Scan# 1789  
Delta R.T. 0.000 min  
Lab File: BF133858.D  
Acq: 20 Jun 2023 16:08

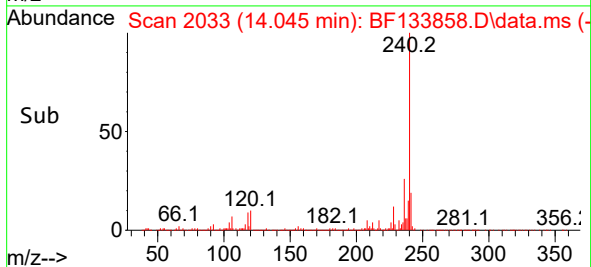
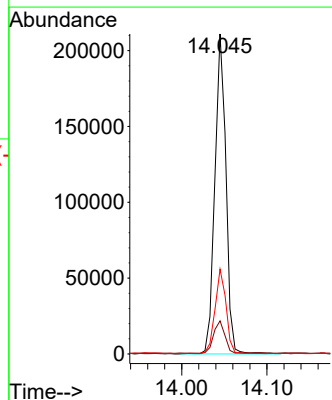
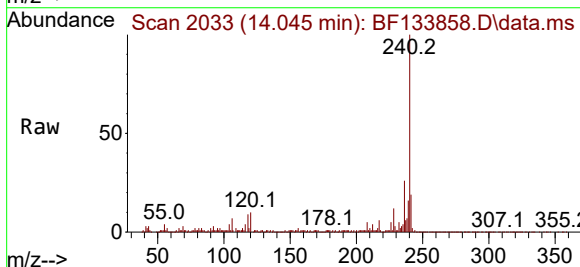
Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-03RE

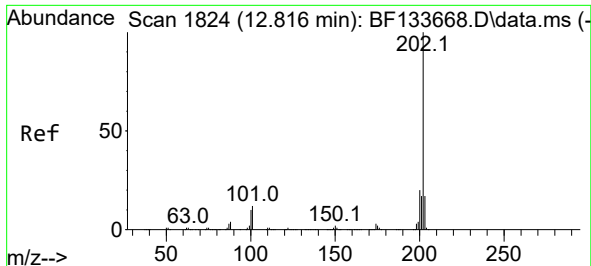
Tgt Ion:202 Resp: 179685  
Ion Ratio Lower Upper  
202 100  
101 8.4 0.0 29.6  
203 16.5 0.0 37.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.045 min Scan# 2033  
Delta R.T. 0.000 min  
Lab File: BF133858.D  
Acq: 20 Jun 2023 16:08

Tgt Ion:240 Resp: 191907  
Ion Ratio Lower Upper  
240 100  
120 10.4 8.1 12.1  
236 26.5 20.5 30.7

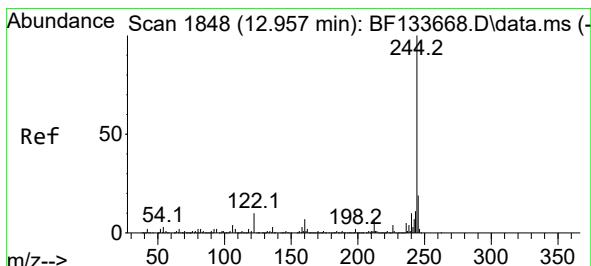
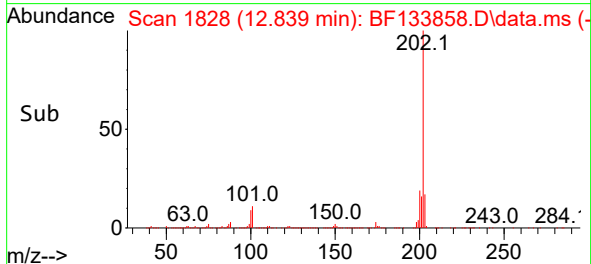
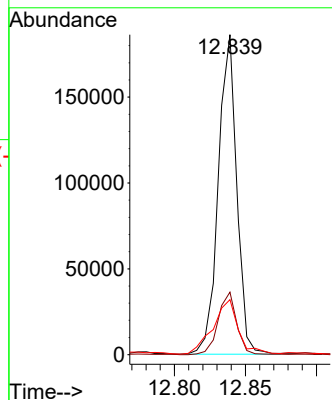
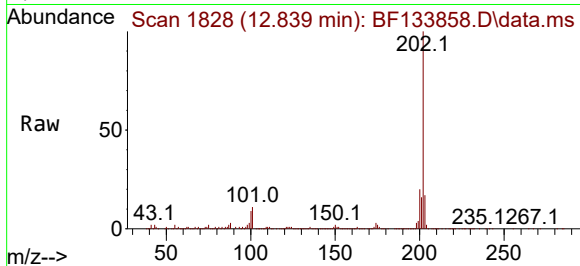




#78  
 Pyrene  
 Concen: 9.421 ng  
 RT: 12.839 min Scan# 1828  
 Delta R.T. 0.000 min  
 Lab File: BF133858.D  
 Acq: 20 Jun 2023 16:08

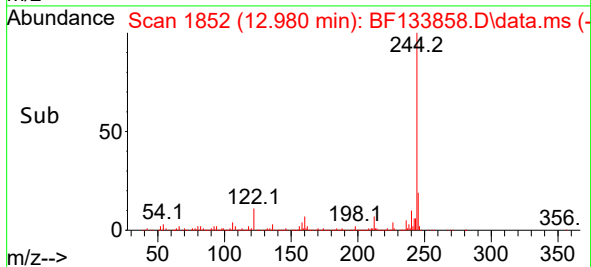
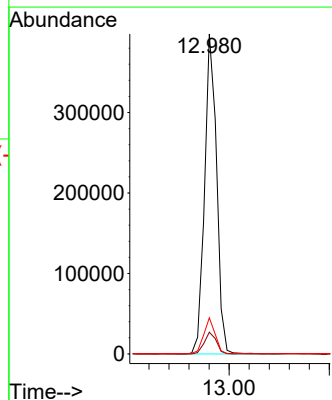
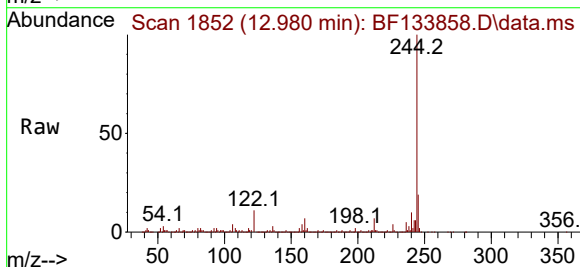
Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMPOSIT-SB-03RE

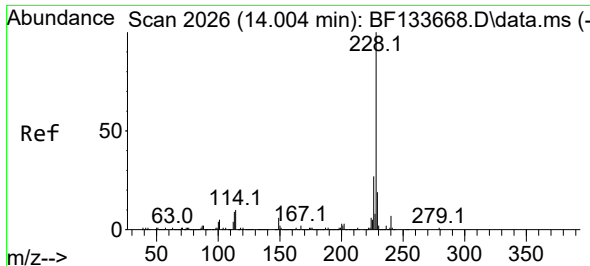
Tgt Ion:202 Resp: 168417  
 Ion Ratio Lower Upper  
 202 100  
 200 19.6 16.2 24.2  
 203 17.2 13.9 20.9



#79  
 Terphenyl-d14  
 Concen: 26.790 ng  
 RT: 12.980 min Scan# 1852  
 Delta R.T. -0.006 min  
 Lab File: BF133858.D  
 Acq: 20 Jun 2023 16:08

Tgt Ion:244 Resp: 332256  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.4 8.2  
 122 11.3 8.1 12.1

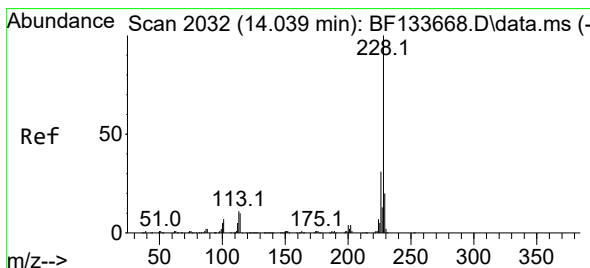
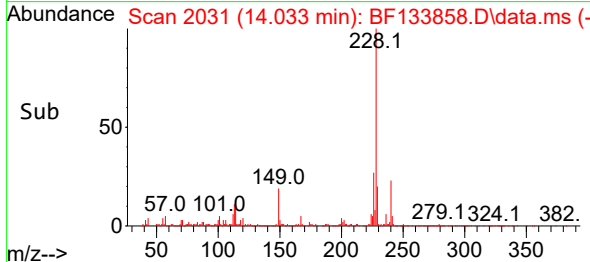
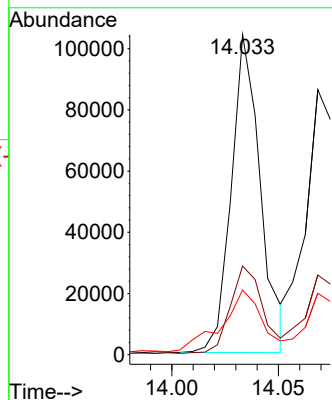
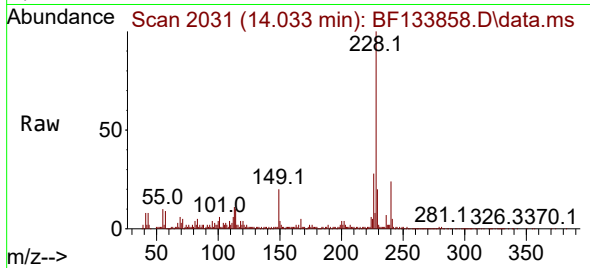




#81  
Benzo(a)anthracene  
Concen: 7.454 ng  
RT: 14.033 min Scan# 2026  
Delta R.T. 0.000 min  
Lab File: BF133858.D  
Acq: 20 Jun 2023 16:08

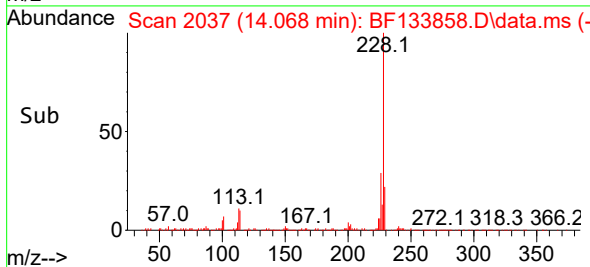
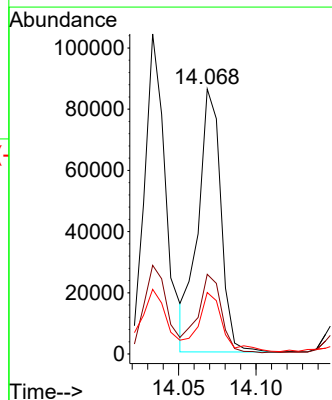
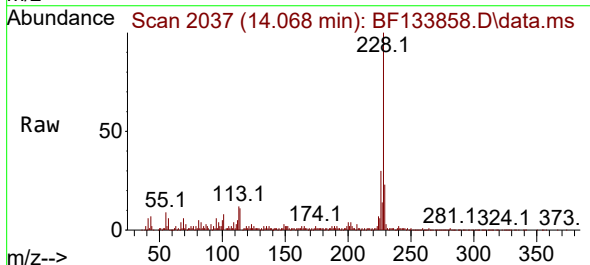
Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-03RE

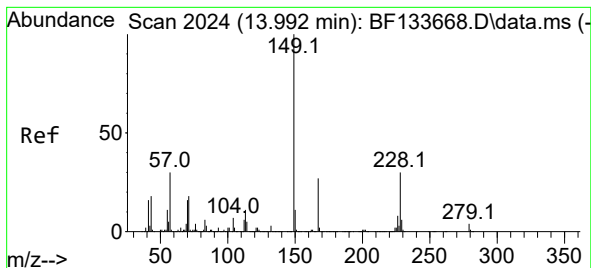
Tgt Ion:228 Resp: 98952  
Ion Ratio Lower Upper  
228 100  
226 27.7 21.7 32.5  
229 20.2 15.4 23.2



#83  
Chrysene  
Concen: 7.033 ng  
RT: 14.068 min Scan# 2037  
Delta R.T. -0.006 min  
Lab File: BF133858.D  
Acq: 20 Jun 2023 16:08

Tgt Ion:228 Resp: 88296  
Ion Ratio Lower Upper  
228 100  
226 30.1 25.0 37.6  
229 23.2 15.8 23.8

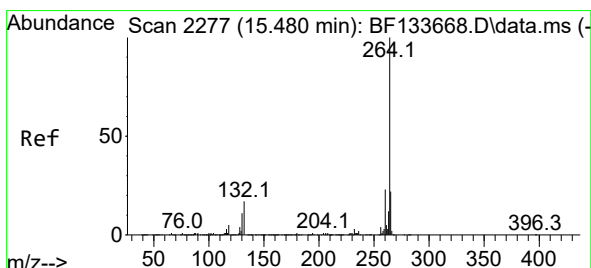
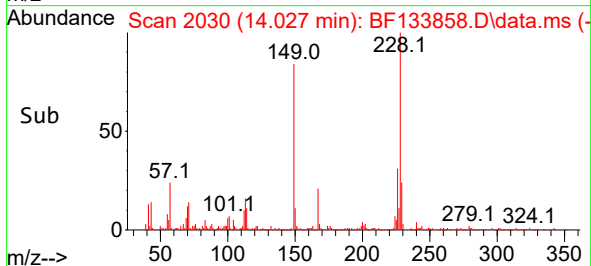
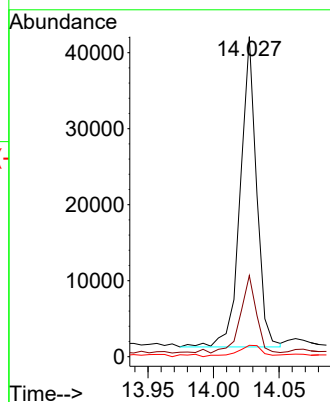
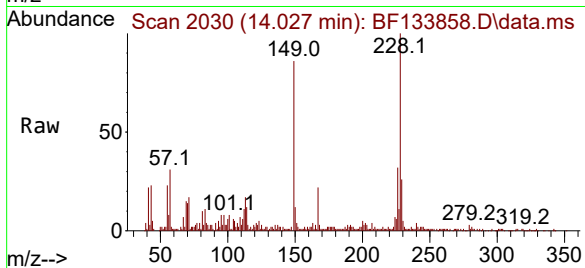




#84  
Bis(2-ethylhexyl)phthalate  
Concen: 3.805 ng  
RT: 14.027 min Scan# 2024  
Delta R.T. 0.000 min  
Lab File: BF133858.D  
Acq: 20 Jun 2023 16:08

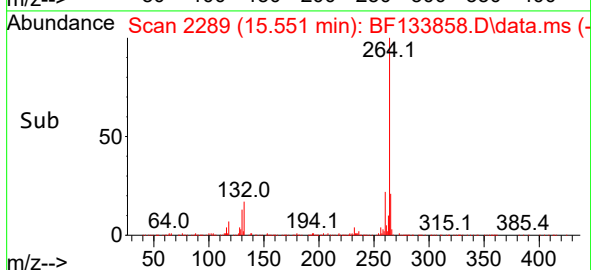
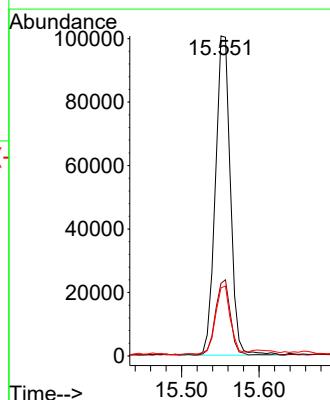
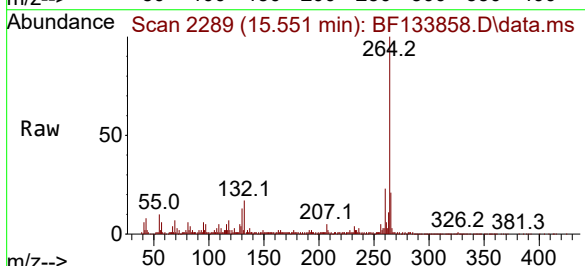
Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-03RE

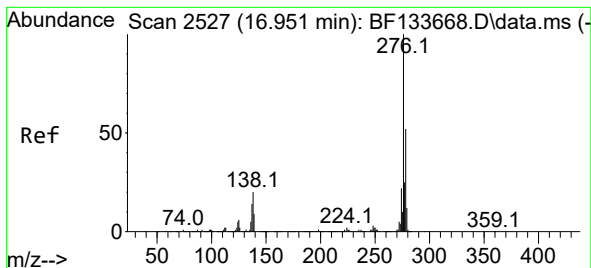
Tgt Ion:149 Resp: 35357  
Ion Ratio Lower Upper  
149 100  
167 25.4 21.8 32.8  
279 3.6 3.3 4.9



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.551 min Scan# 2289  
Delta R.T. 0.000 min  
Lab File: BF133858.D  
Acq: 20 Jun 2023 16:08

Tgt Ion:264 Resp: 136018  
Ion Ratio Lower Upper  
264 100  
260 22.7 18.2 27.2  
265 21.3 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.673 ng

RT: 17.098 min Scan# 2113

Delta R.T. 0.000 min

Lab File: BF133858.D

Acq: 20 Jun 2023 16:08

Instrument :

BNA\_F

ClientSampleId :

COMPOSIT-SB-03RE

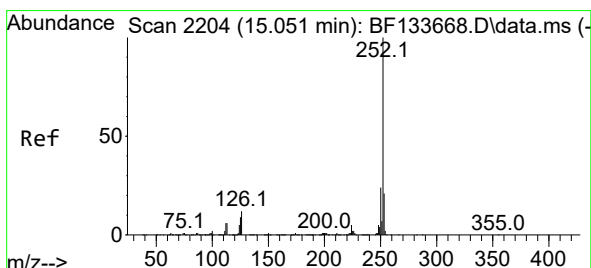
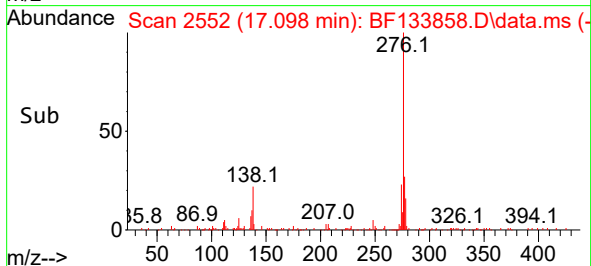
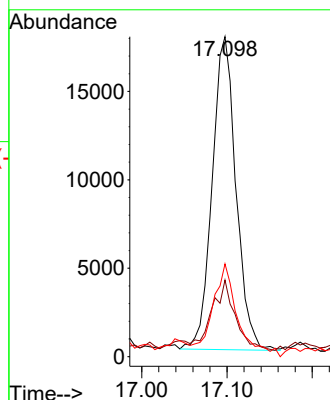
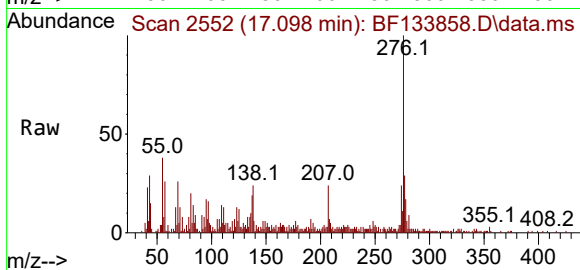
Tgt Ion:276 Resp: 34369

Ion Ratio Lower Upper

276 100

138 22.2 17.9 26.9

277 31.4 20.3 30.5#



#88

Benzo(b)fluoranthene

Concen: 15.790 ng

RT: 15.104 min Scan# 2213

Delta R.T. 0.000 min

Lab File: BF133858.D

Acq: 20 Jun 2023 16:08

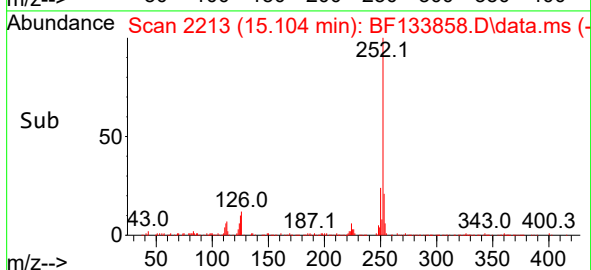
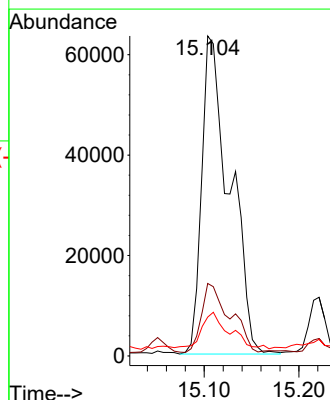
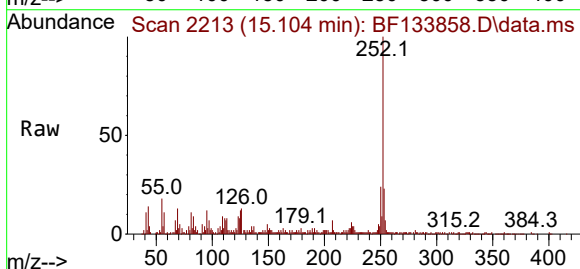
Tgt Ion:252 Resp: 130465

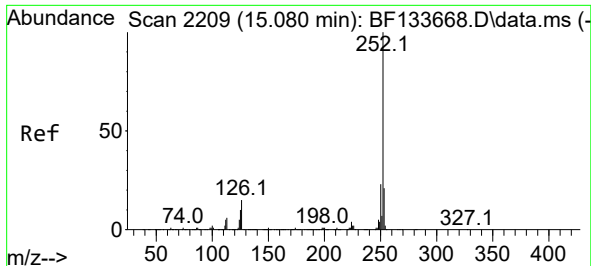
Ion Ratio Lower Upper

252 100

253 22.6 17.0 25.6

125 12.1 7.3 10.9#





#89

Benzo(k)fluoranthene

Concen: 16.210 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF133858.D

Acq: 20 Jun 2023 16:08

Instrument :

BNA\_F

ClientSampleId :

COMPOSIT-SB-03RE

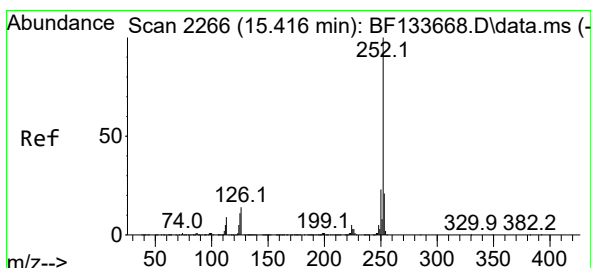
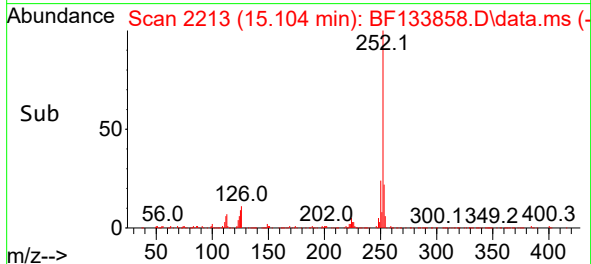
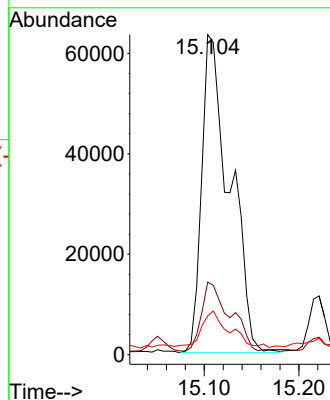
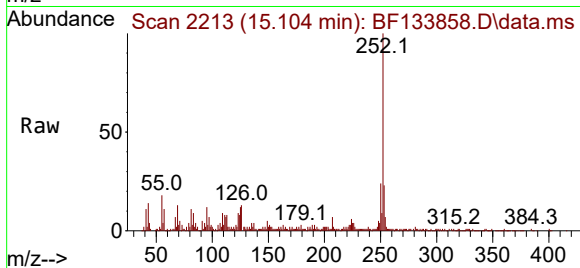
Tgt Ion:252 Resp: 130465

Ion Ratio Lower Upper

252 100

253 22.6 17.0 25.4

125 12.1 7.8 11.6#



#90

Benzo(a)pyrene

Concen: 7.612 ng

RT: 15.486 min Scan# 2278

Delta R.T. 0.000 min

Lab File: BF133858.D

Acq: 20 Jun 2023 16:08

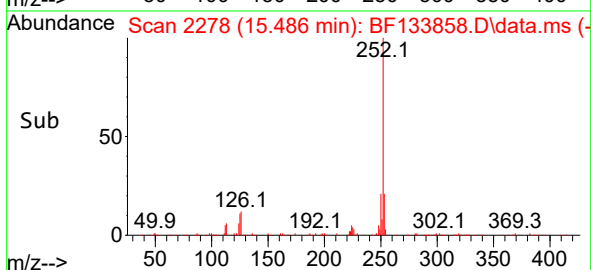
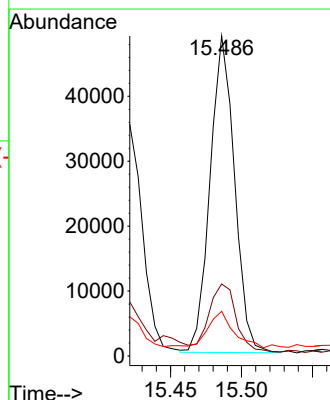
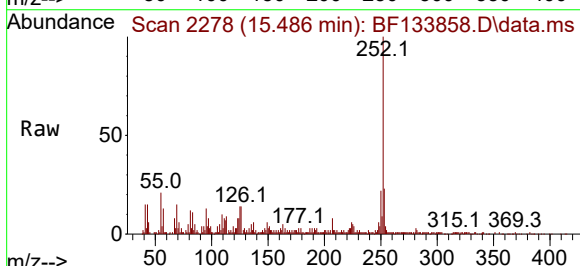
Tgt Ion:252 Resp: 58368

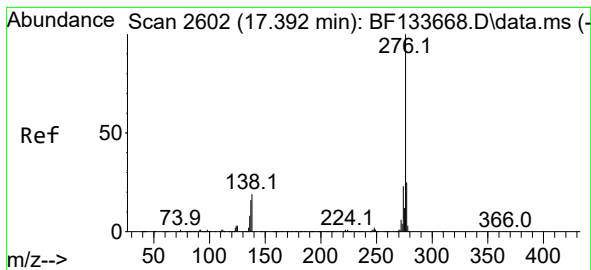
Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

125 13.9 8.6 13.0#





#92

Benzo(g,h,i)perylene

Concen: 4.507 ng

RT: 17.568 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133858.D

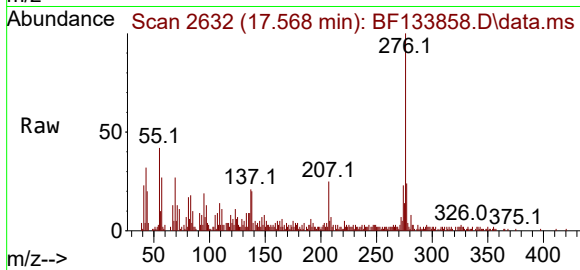
Acq: 20 Jun 2023 16:08

Instrument :

BNA\_F

ClientSampleId :

COMPOSIT-SB-03RE



Tgt Ion:276 Resp: 34621

Ion Ratio Lower Upper

276 100

277 23.7 19.8 29.8

138 20.3 15.0 22.4

