

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061623\  
 Data File : BF133819.D  
 Acq On : 16 Jun 2023 21:54  
 Operator : CG\JU  
 Sample : 03224-01 2X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMPOSIT-SB-01/02

Quant Time: Jun 17 00:12:59 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 16 14:54:03 2023  
 Response via : Initial Calibration

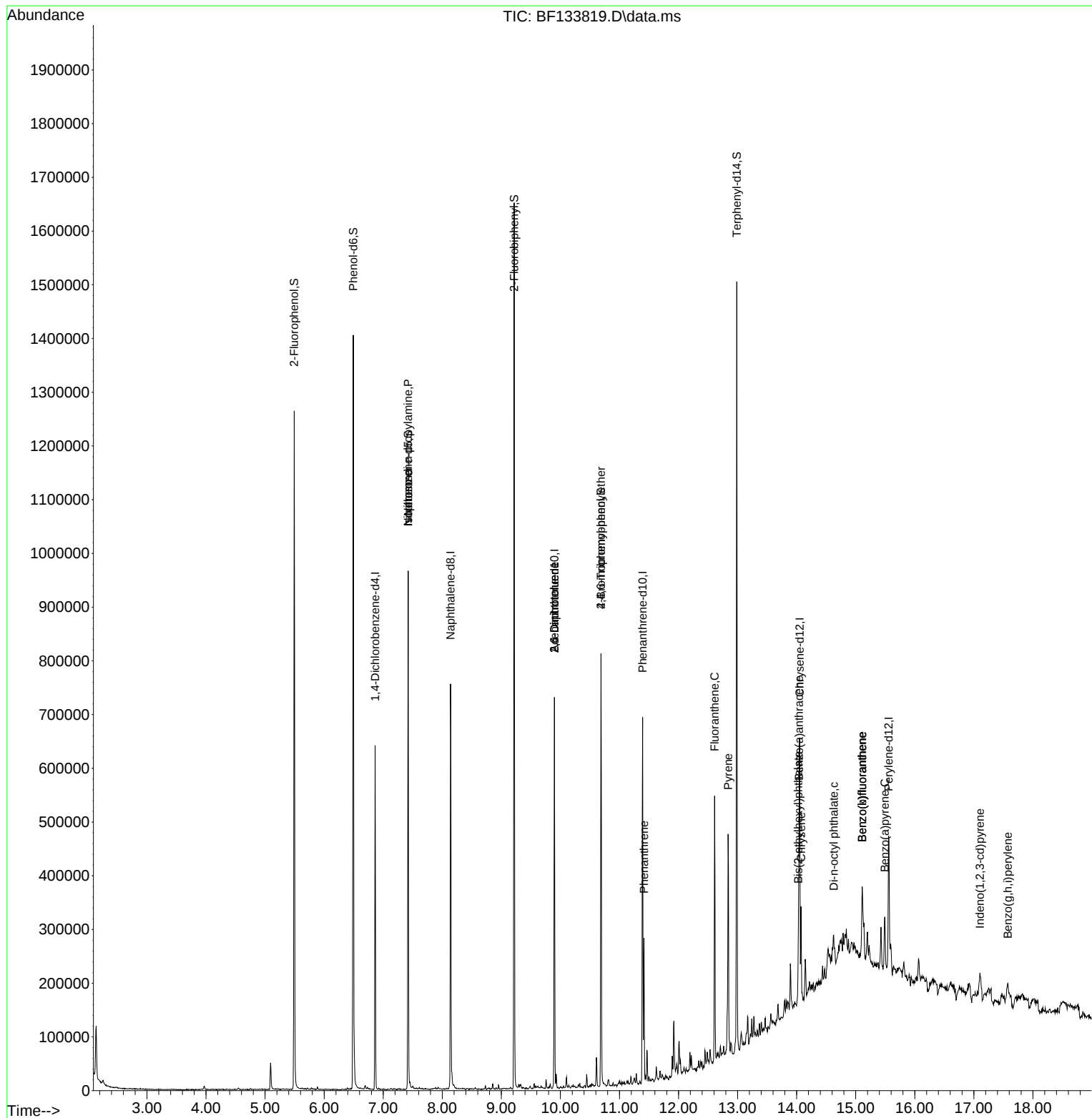
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.863  | 152  | 80168    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.140  | 136  | 323196   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.898  | 164  | 127601   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.392 | 188  | 237915   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 148193   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.557 | 264  | 127384   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.493  | 112  | 300202   | 65.191 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.493  | 99   | 388988   | 64.895 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.422  | 82   | 242229   | 40.822 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.686 | 330  | 87435    | 54.133 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.216  | 172  | 430690   | 47.980 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 439853   | 45.927 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.422  | 70   | 33974    | 8.908  | ng    | # 79     |
| 25) Isophorone                | 7.422  | 82   | 242229   | 22.235 | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.898  | 165  | 16734    | 8.512  | ng    | # 28     |
| 57) 2,4-Dinitrotoluene        | 9.898  | 165  | 16734    | 6.693  | ng    | # 19     |
| 67) 4-Bromophenyl-phenylether | 10.686 | 248  | 5493     | 2.069  | ng    | # 1      |
| 71) Phenanthrene              | 11.416 | 178  | 91552    | 7.585  | ng    | 99       |
| 75) Fluoranthene              | 12.610 | 202  | 185198   | 14.448 | ng    | 99       |
| 78) Pyrene                    | 12.839 | 202  | 174723   | 12.657 | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 72402    | 7.063  | ng    | 96       |
| 83) Chrysene                  | 14.074 | 228  | 62934    | 6.491  | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149  | 26118    | 3.640  | ng    | 95       |
| 85) Di-n-octyl phthalate      | 14.627 | 149  | 35956    | 3.526  | ng    | # 48     |
| 87) Indeno(1,2,3-cd)pyrene    | 17.104 | 276  | 29630    | 3.381  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.110 | 252  | 93925    | 12.138 | ng    | # 94     |
| 89) Benzo(k)fluoranthene      | 15.110 | 252  | 93925    | 12.461 | ng    | # 94     |
| 90) Benzo(a)pyrene            | 15.492 | 252  | 48559    | 6.762  | ng    | 95       |
| 92) Benzo(g,h,i)perylene      | 17.574 | 276  | 29712    | 4.130  | ng    | # 93     |
| -----                         |        |      |          |        |       |          |

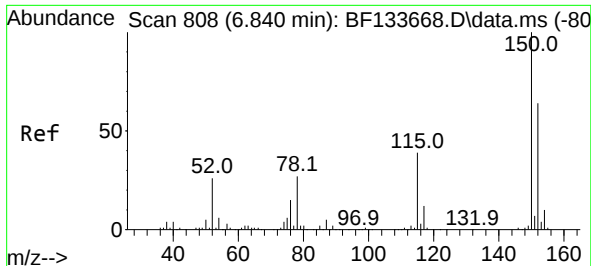
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 16 14:54:03 2023  
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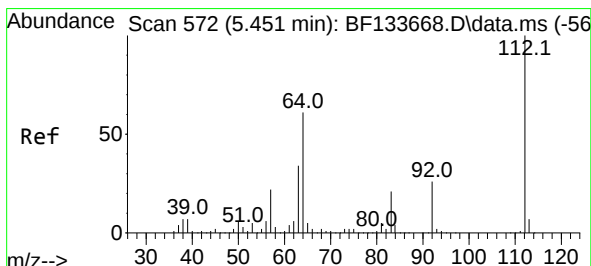
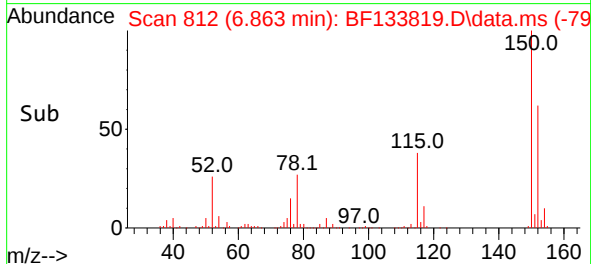
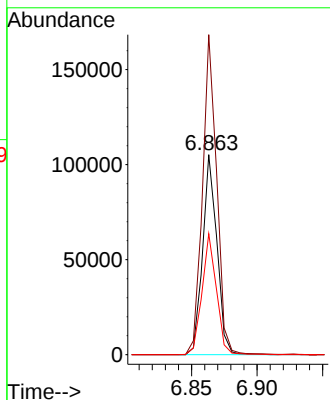
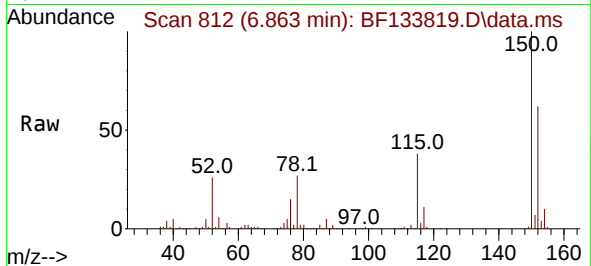




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.863 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF133819.D  
Acq: 16 Jun 2023 21:54

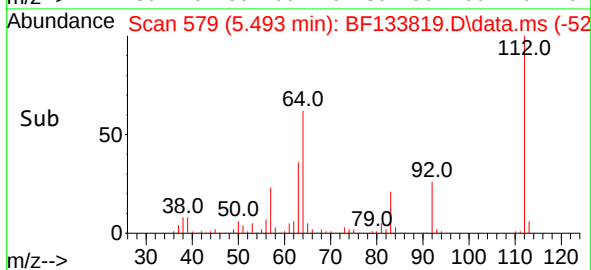
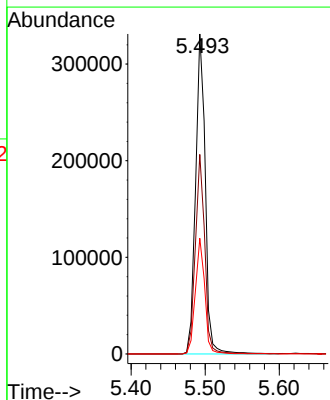
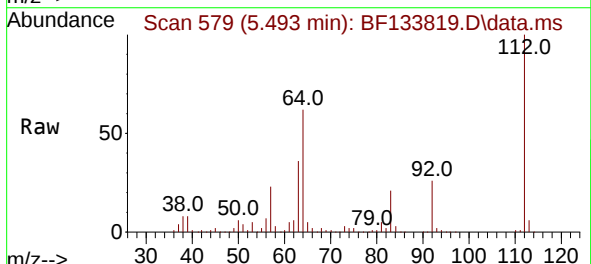
Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-01/02

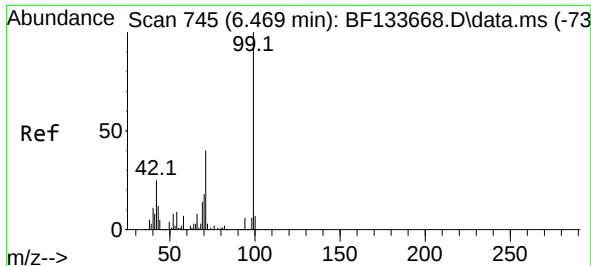
Tgt Ion:152 Resp: 80168  
Ion Ratio Lower Upper  
152 100  
150 160.0 124.3 186.5  
115 60.5 48.5 72.7



#5  
2-Fluorophenol  
Concen: 65.191 ng  
RT: 5.493 min Scan# 579  
Delta R.T. 0.000 min  
Lab File: BF133819.D  
Acq: 16 Jun 2023 21:54

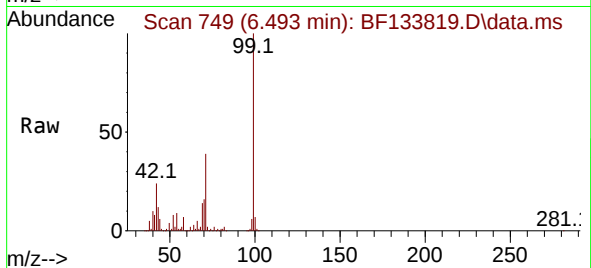
Tgt Ion:112 Resp: 300202  
Ion Ratio Lower Upper  
112 100  
64 62.3 49.0 73.4  
63 36.2 26.8 40.2



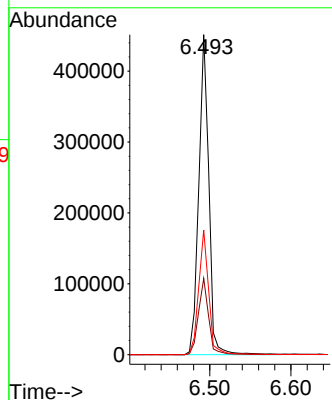
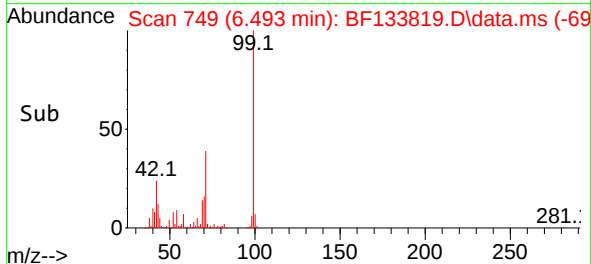


#7  
Phenol-d6  
Concen: 64.895 ng  
RT: 6.493 min Scan# 745  
Delta R.T. -0.006 min  
Lab File: BF133819.D  
Acq: 16 Jun 2023 21:54

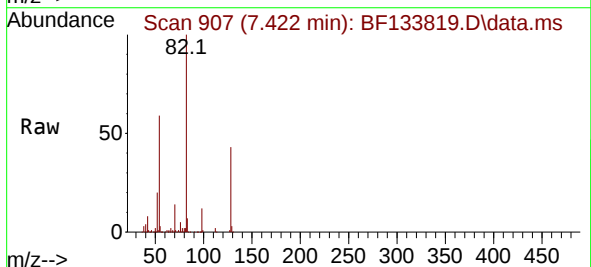
Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-01/02



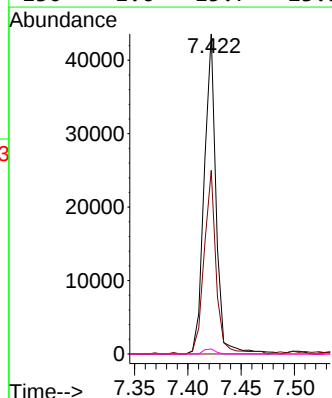
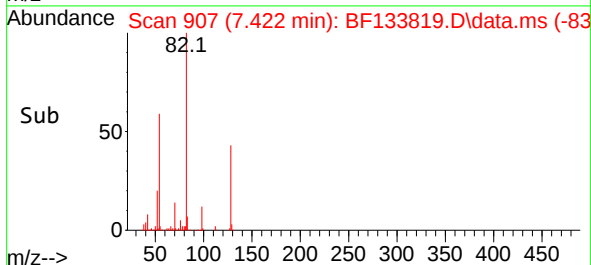
Tgt Ion: 99 Resp: 388988  
Ion Ratio Lower Upper  
99 100  
42 23.8 19.9 29.9  
71 39.0 32.2 48.4

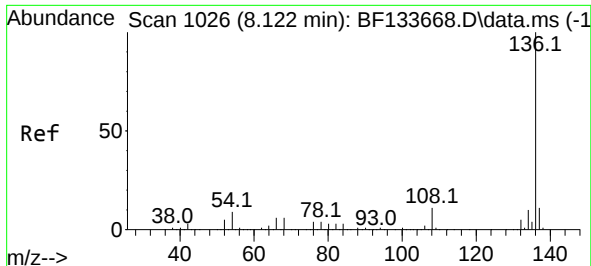


#19  
n-Nitroso-di-n-propylamine  
Concen: 8.908 ng  
RT: 7.422 min Scan# 907  
Delta R.T. 0.147 min  
Lab File: BF133819.D  
Acq: 16 Jun 2023 21:54



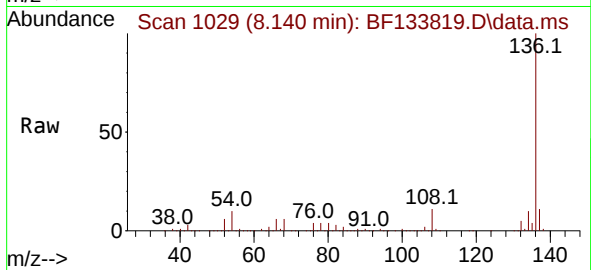
Tgt Ion: 70 Resp: 33974  
Ion Ratio Lower Upper  
70 100  
42 57.3 55.8 83.8  
101 0.0 8.1 12.1#  
130 1.6 15.7 23.5#



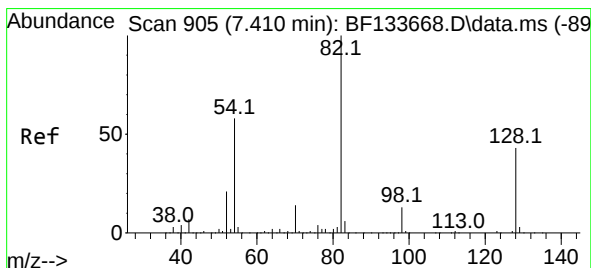
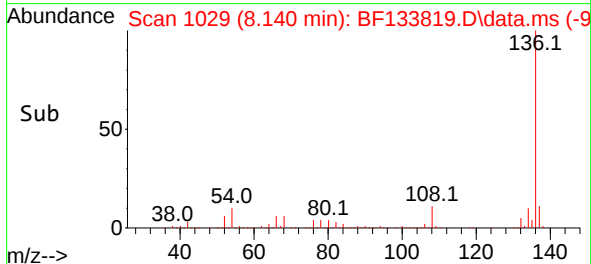
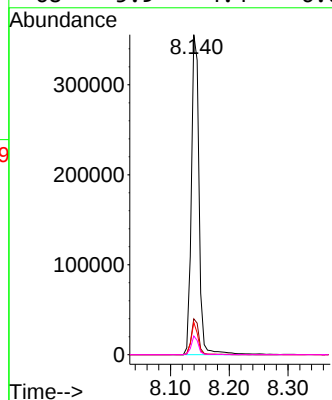


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.140 min Scan# 1026  
Delta R.T. -0.006 min  
Lab File: BF133819.D  
Acq: 16 Jun 2023 21:54

Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-01/02

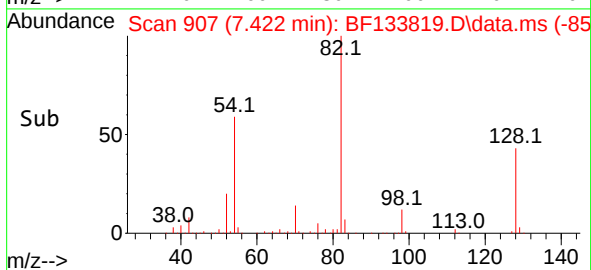
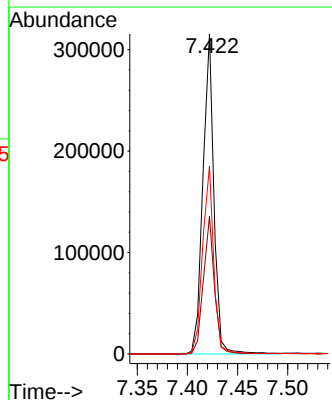
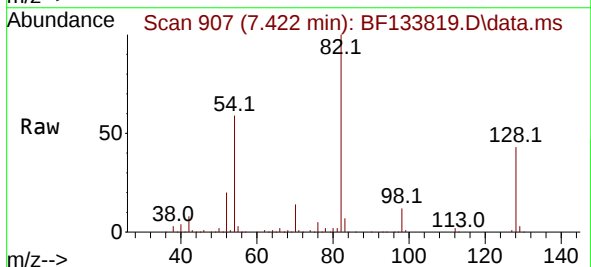


Tgt Ion:136 Resp: 323196  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.8 13.2  
54 10.1 7.4 11.0  
68 5.9 4.4 6.6



#23  
Nitrobenzene-d5  
Concen: 40.822 ng  
RT: 7.422 min Scan# 907  
Delta R.T. -0.006 min  
Lab File: BF133819.D  
Acq: 16 Jun 2023 21:54

Tgt Ion: 82 Resp: 242229  
Ion Ratio Lower Upper  
82 100  
128 43.0 34.2 51.2  
54 58.7 46.5 69.7

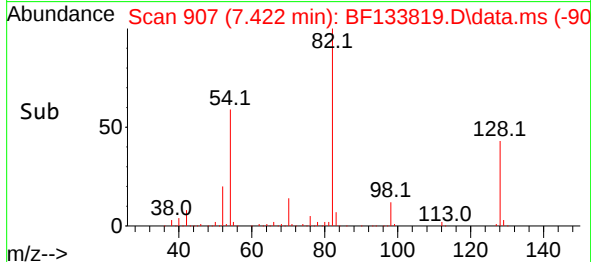
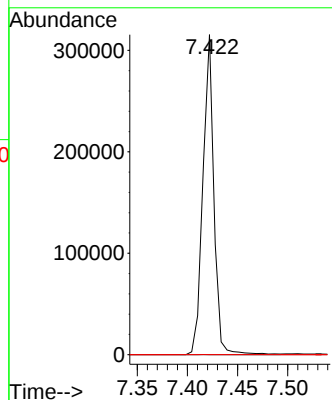
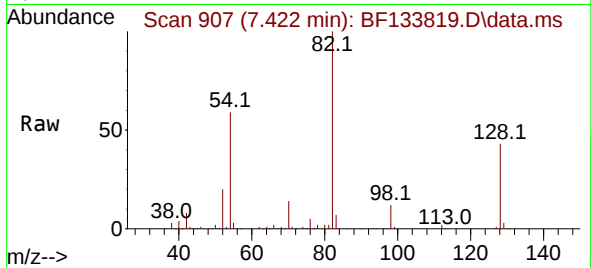




#25  
Isophorone  
Concen: 22.235 ng  
RT: 7.422 min Scan# 90  
Delta R.T. -0.259 min  
Lab File: BF133819.D  
Acq: 16 Jun 2023 21:54

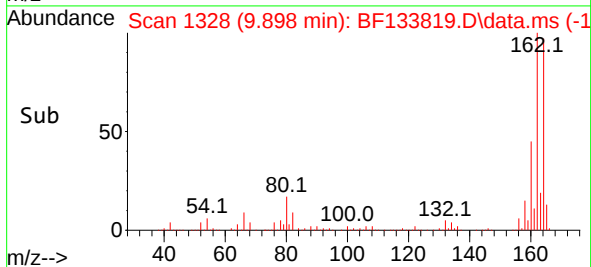
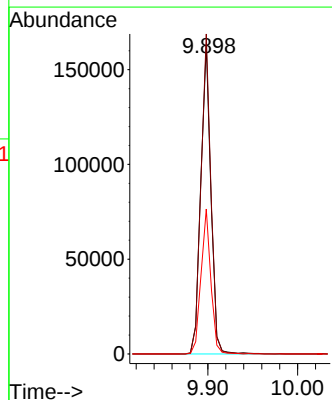
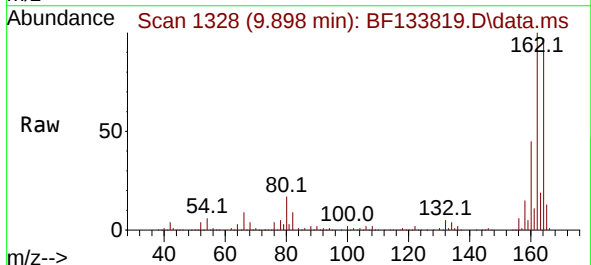
Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-01/02

Tgt Ion: 82 Resp: 242229  
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: 9.898 min Scan# 1328  
Delta R.T. -0.006 min  
Lab File: BF133819.D  
Acq: 16 Jun 2023 21:54

Tgt Ion:164 Resp: 127601  
Ion Ratio Lower Upper  
164 100  
162 103.5 80.8 121.2  
160 46.9 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 54.133 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF133819.D

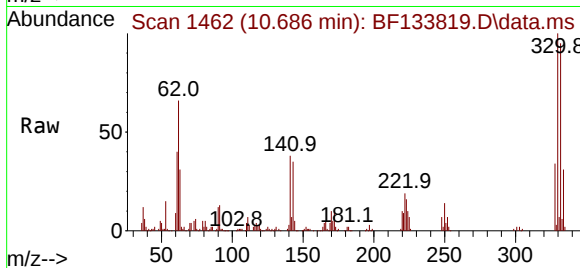
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Instrument :

BNA\_F

ClientSampleId :

COMPOSIT-SB-01/02



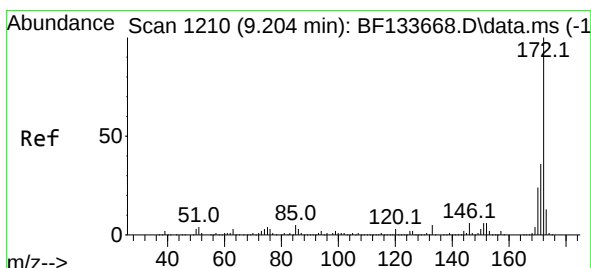
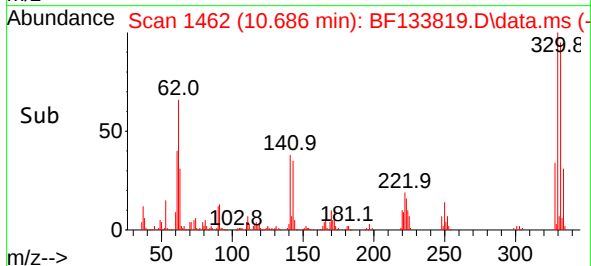
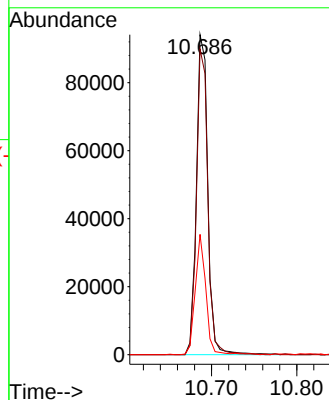
Tgt Ion:330 Resp: 87435

Ion Ratio Lower Upper

330 100

332 94.7 77.2 115.8

141 35.1 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 47.980 ng

RT: 9.216 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF133819.D

Acq: 16 Jun 2023 21:54

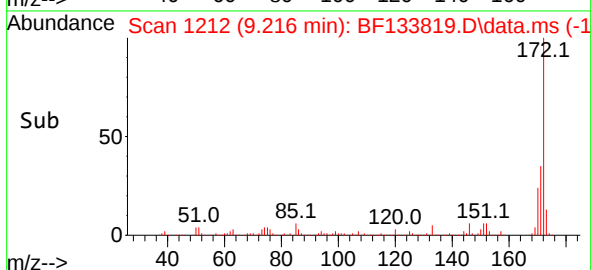
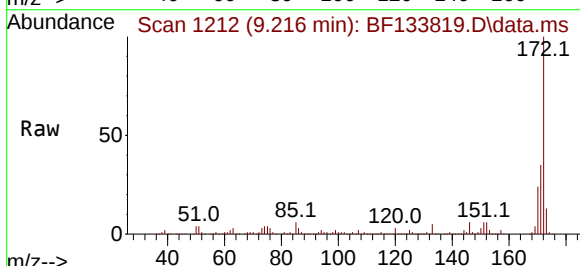
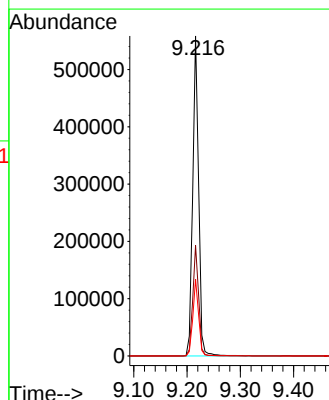
Tgt Ion:172 Resp: 430690

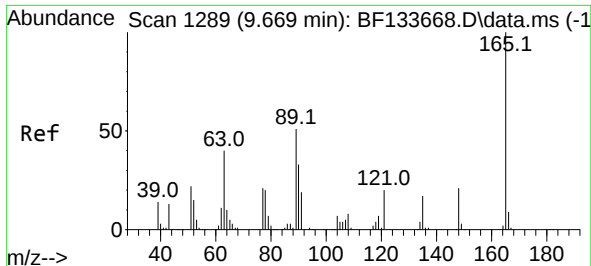
Ion Ratio Lower Upper

172 100

171 34.5 28.6 43.0

170 24.0 19.1 28.7

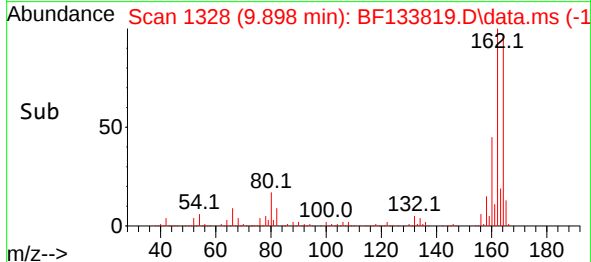
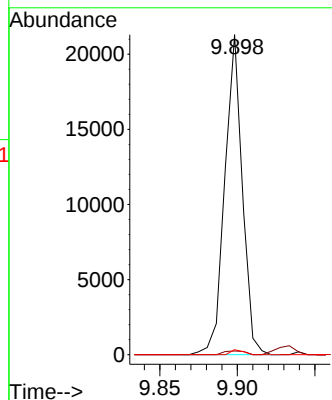
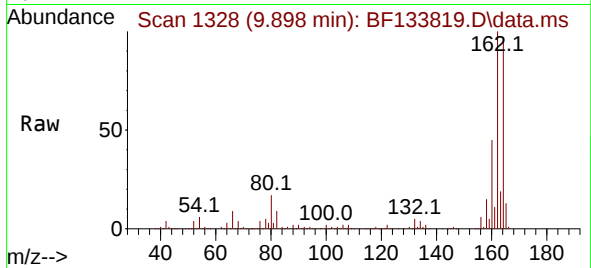




#51  
2,6-Dinitrotoluene  
Concen: 8.512 ng  
RT: 9.898 min Scan# 11  
Delta R.T. 0.212 min  
Lab File: BF133819.D  
Acq: 16 Jun 2023 21:54

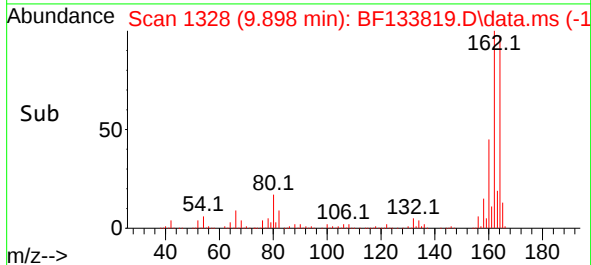
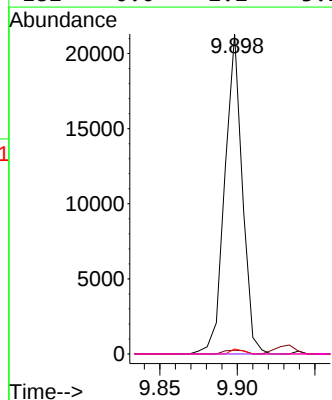
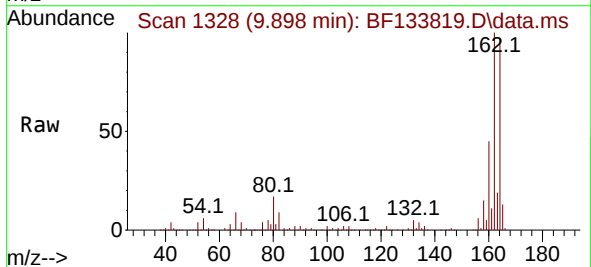
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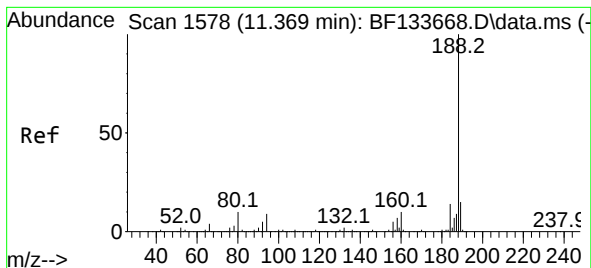
Tgt Ion:165 Resp: 16734  
Ion Ratio Lower Upper  
165 100  
63 1.2 42.1 63.1#  
89 1.5 40.9 61.3#



#57  
2,4-Dinitrotoluene  
Concen: 6.693 ng  
RT: 9.898 min Scan# 1328  
Delta R.T. -0.194 min  
Lab File: BF133819.D  
Acq: 16 Jun 2023 21:54

Tgt Ion:165 Resp: 16734  
Ion Ratio Lower Upper  
165 100  
63 1.2 43.0 64.6#  
89 1.5 62.6 93.8#  
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133819.D

Acq: 16 Jun 2023 21:54

Instrument :

BNA\_F

ClientSampleId :

COMPOSIT-SB-01/02

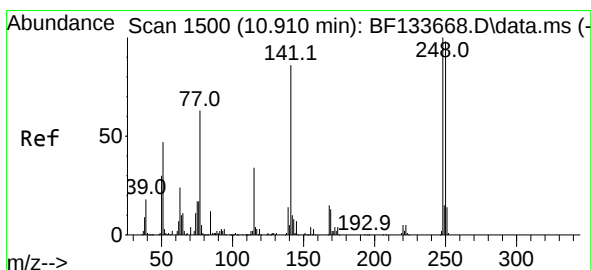
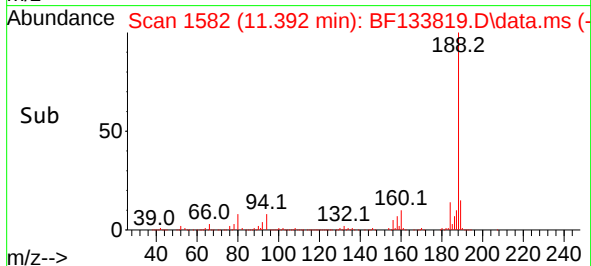
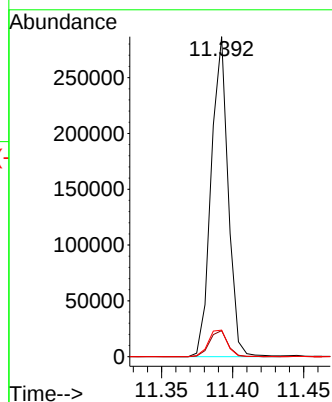
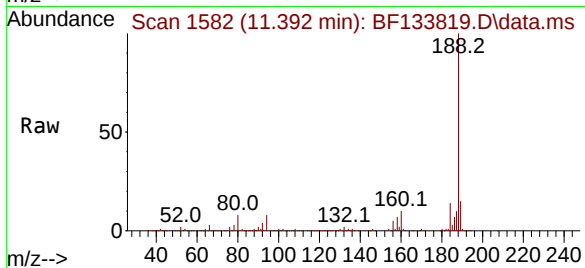
Tgt Ion:188 Resp: 237915

Ion Ratio Lower Upper

188 100

94 8.2 6.8 10.2

80 8.3 7.8 11.6



#67

4-Bromophenyl-phenylether

Concen: 2.069 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.253 min

Lab File: BF133819.D

Acq: 16 Jun 2023 21:54

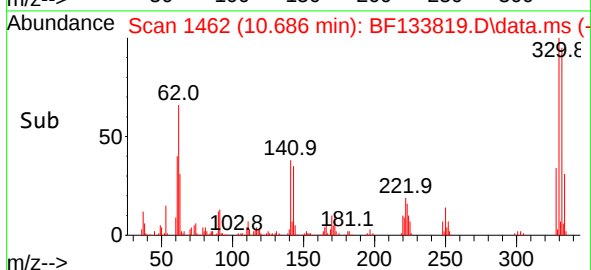
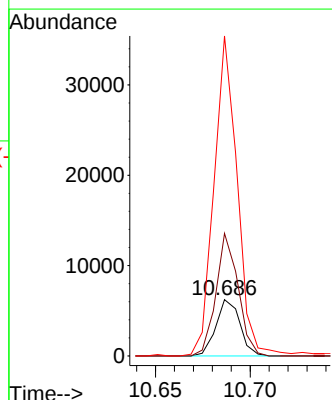
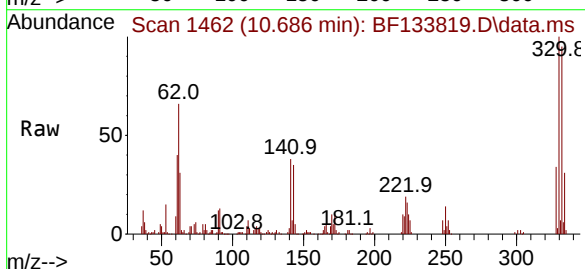
Tgt Ion:248 Resp: 5493

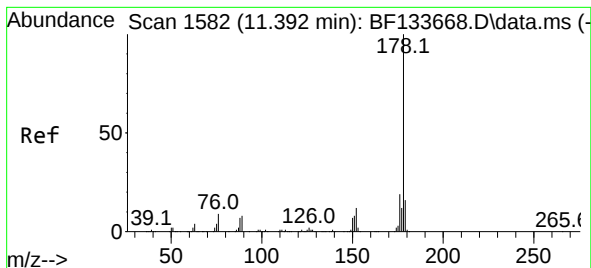
Ion Ratio Lower Upper

248 100

250 217.7 78.3 117.5#

141 568.4 69.0 103.6#





#71

Phenanthrene

Concen: 7.585 ng

RT: 11.416 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133819.D

Acq: 16 Jun 2023 21:54

Instrument :

BNA\_F

ClientSampleId :

COMPOSIT-SB-01/02

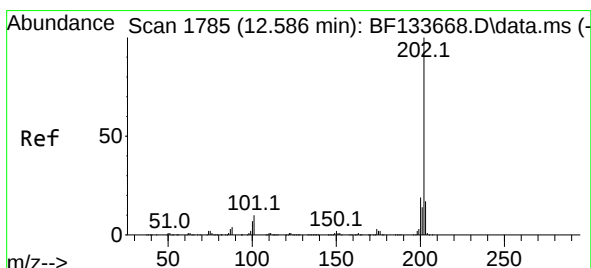
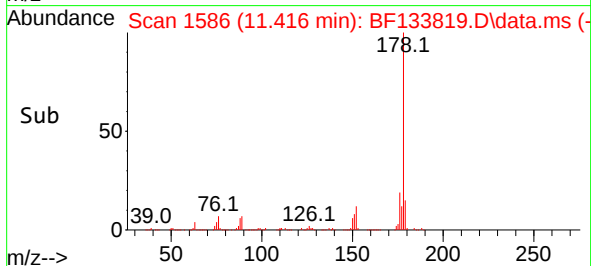
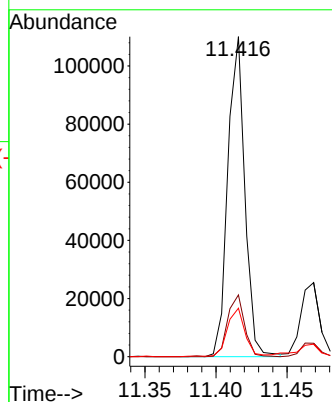
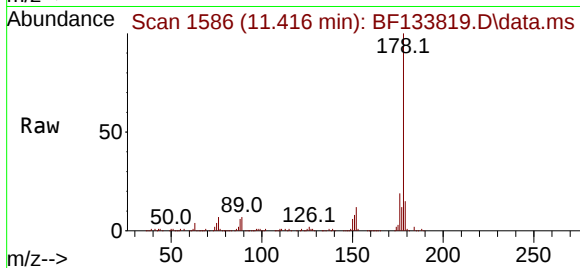
Tgt Ion:178 Resp: 91552

Ion Ratio Lower Upper

178 100

176 19.3 15.6 23.4

179 15.1 12.4 18.6



#75

Fluoranthene

Concen: 14.448 ng

RT: 12.610 min Scan# 1789

Delta R.T. -0.006 min

Lab File: BF133819.D

Acq: 16 Jun 2023 21:54

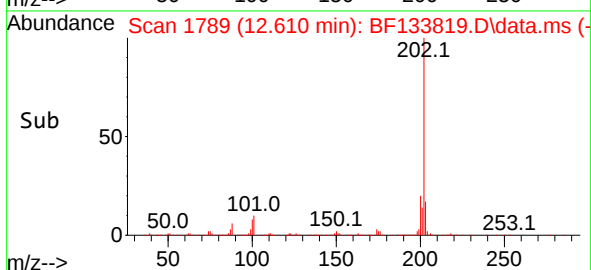
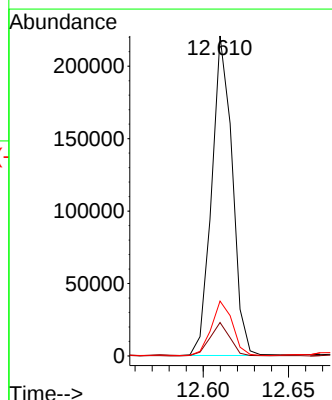
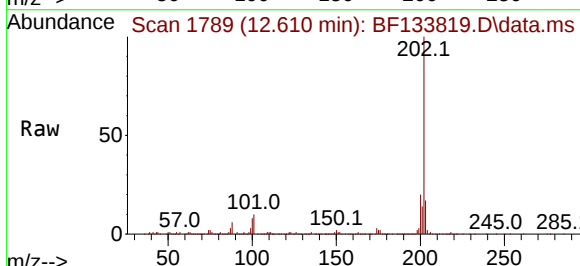
Tgt Ion:202 Resp: 185198

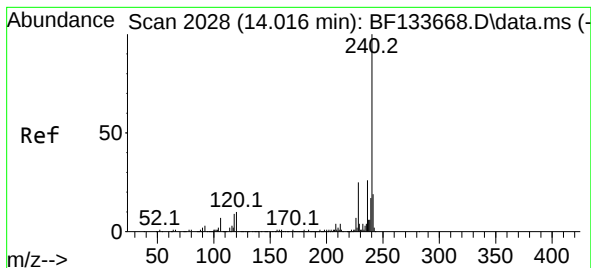
Ion Ratio Lower Upper

202 100

101 10.5 0.0 29.6

203 17.2 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF133819.D

Acq: 16 Jun 2023 21:54

Instrument :

BNA\_F

ClientSampleId :

COMPOSIT-SB-01/02

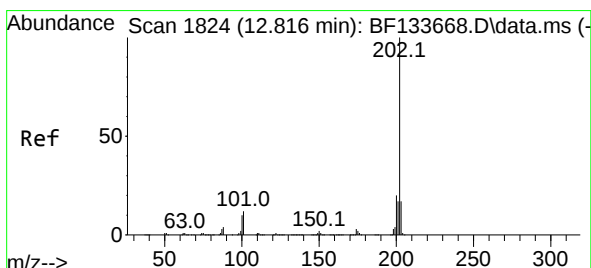
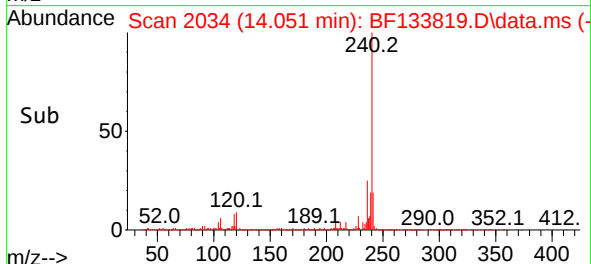
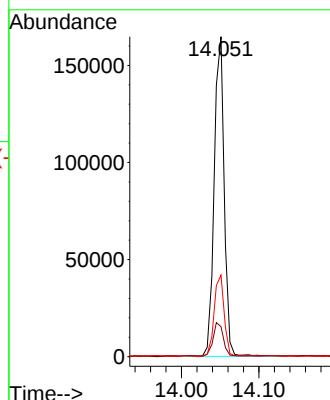
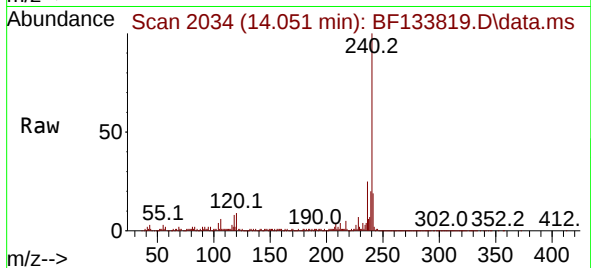
Tgt Ion:240 Resp: 148193

Ion Ratio Lower Upper

240 100

120 9.4 8.1 12.1

236 25.5 20.5 30.7



#78

Pyrene

Concen: 12.657 ng

RT: 12.839 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF133819.D

Acq: 16 Jun 2023 21:54

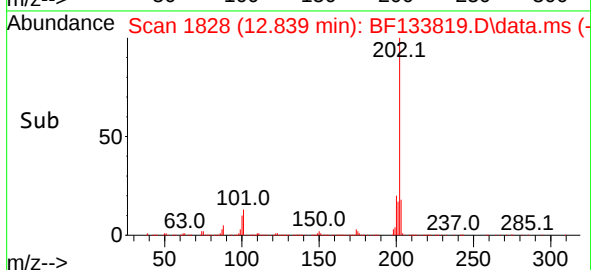
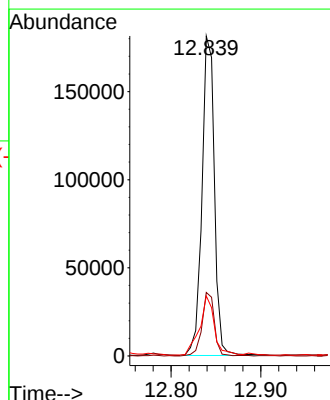
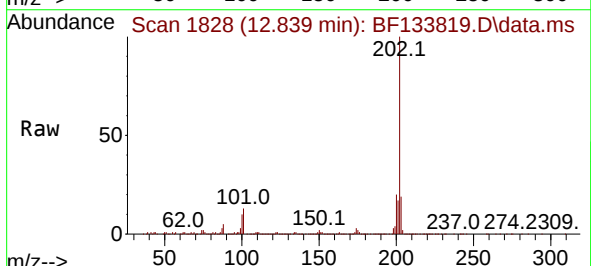
Tgt Ion:202 Resp: 174723

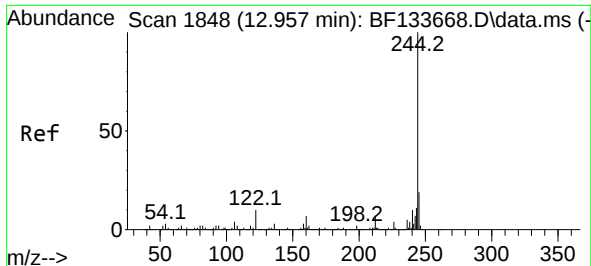
Ion Ratio Lower Upper

202 100

200 19.8 16.2 24.2

203 18.8 13.9 20.9

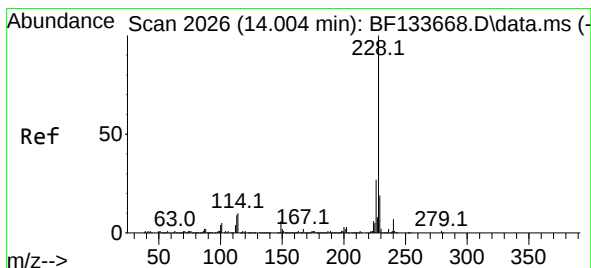
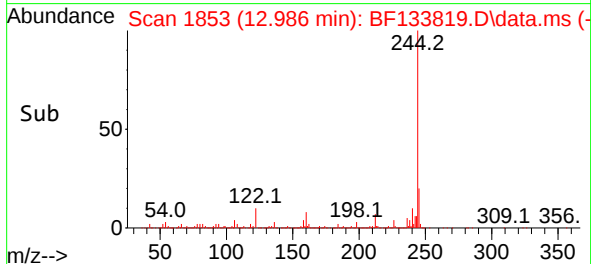
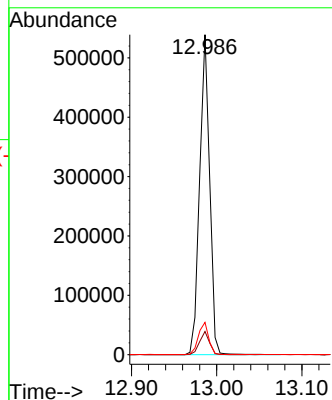
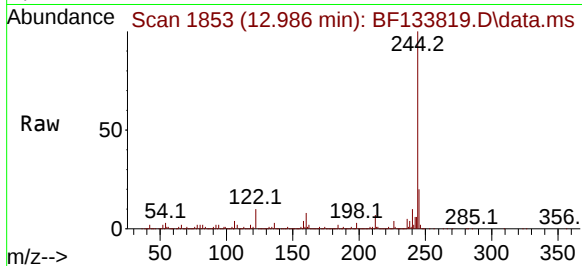




#79  
 Terphenyl-d14  
 Concen: 45.927 ng  
 RT: 12.986 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BF133819.D  
 Acq: 16 Jun 2023 21:54

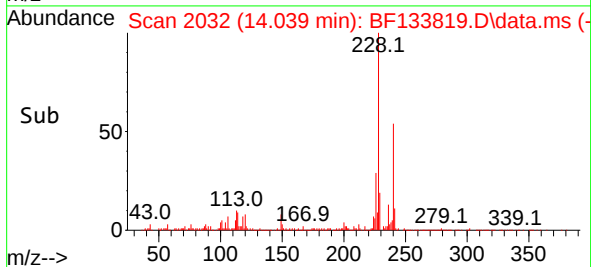
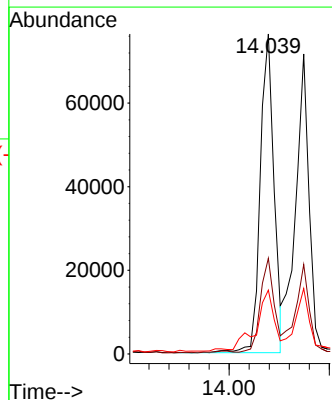
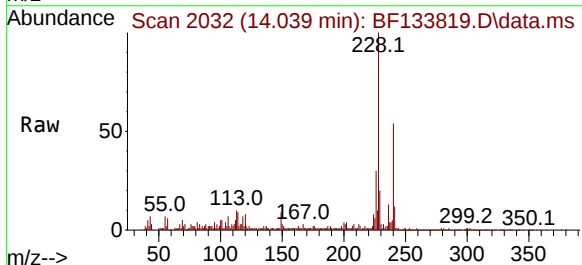
Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMPOSIT-SB-01/02

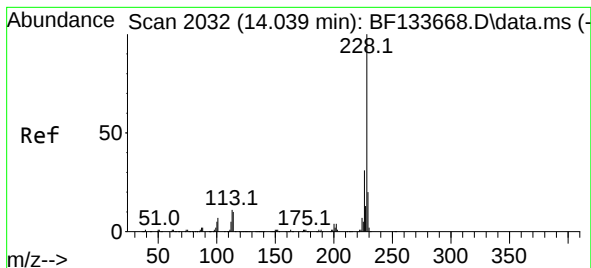
Tgt Ion:244 Resp: 439853  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.4 8.2  
 122 10.1 8.1 12.1



#81  
 Benzo(a)anthracene  
 Concen: 7.063 ng  
 RT: 14.039 min Scan# 2032  
 Delta R.T. -0.006 min  
 Lab File: BF133819.D  
 Acq: 16 Jun 2023 21:54

Tgt Ion:228 Resp: 72402  
 Ion Ratio Lower Upper  
 228 100  
 226 29.9 21.7 32.5  
 229 19.9 15.4 23.2





#83

Chrysene

Concen: 6.491 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF133819.D

Acq: 16 Jun 2023 21:54

Instrument :

BNA\_F

ClientSampleId :

COMPOSIT-SB-01/02

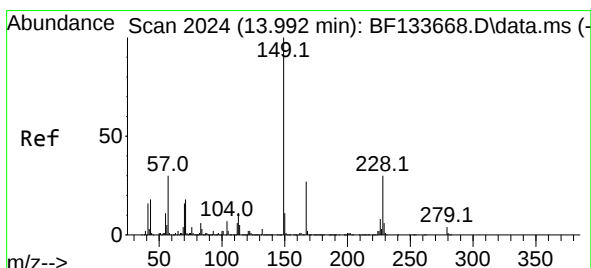
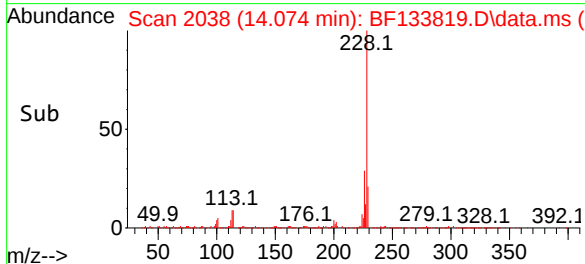
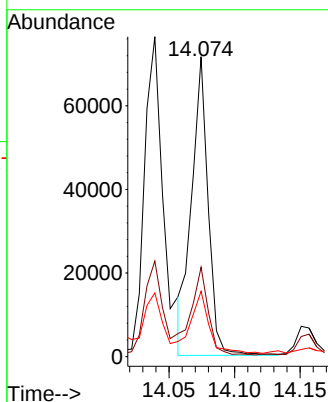
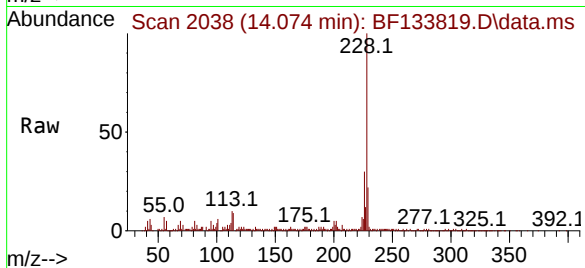
Tgt Ion:228 Resp: 62934

Ion Ratio Lower Upper

228 100

226 29.8 25.0 37.6

229 21.8 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.640 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF133819.D

Acq: 16 Jun 2023 21:54

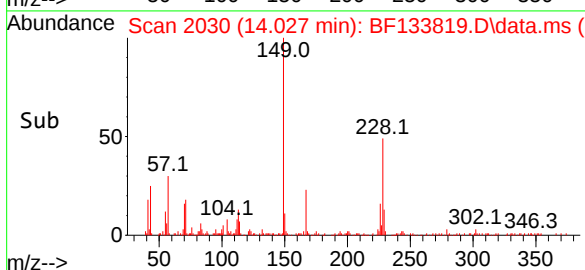
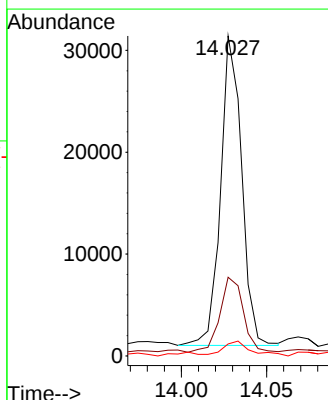
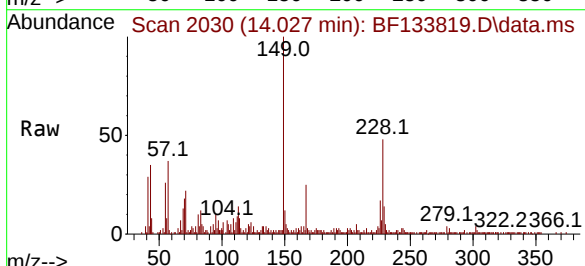
Tgt Ion:149 Resp: 26118

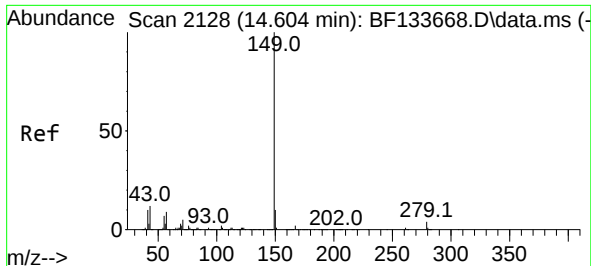
Ion Ratio Lower Upper

149 100

167 24.6 21.8 32.8

279 3.7 3.3 4.9

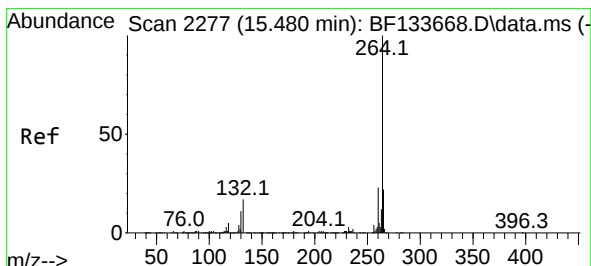
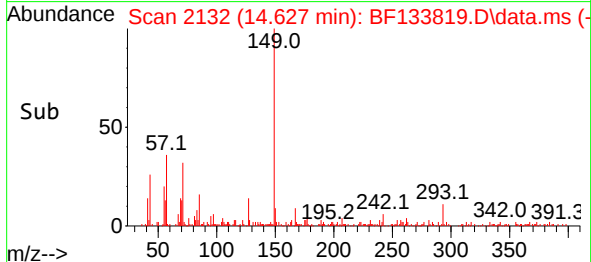
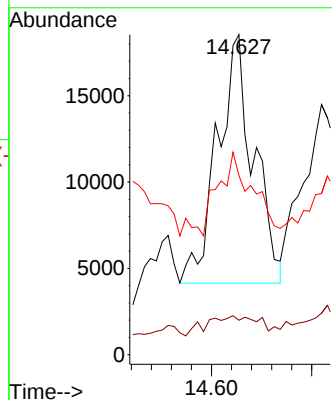
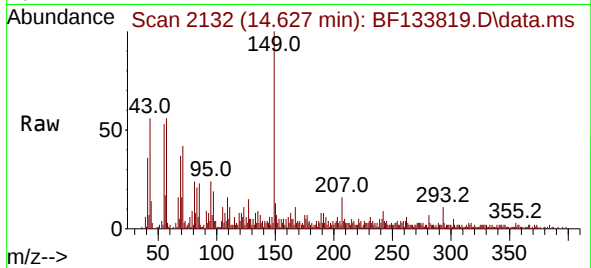




#85  
Di-n-octyl phthalate  
Concen: 3.526 ng  
RT: 14.627 min Scan# 2128  
Delta R.T. -0.029 min  
Lab File: BF133819.D  
Acq: 16 Jun 2023 21:54

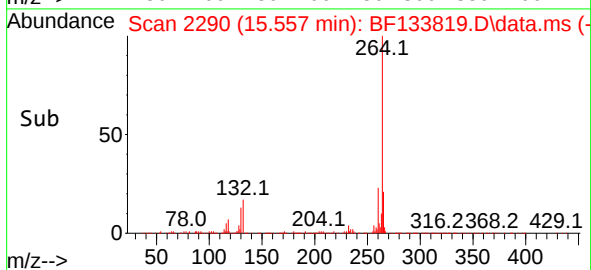
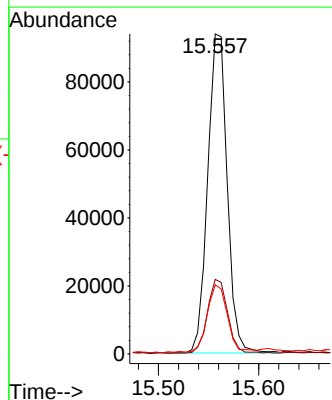
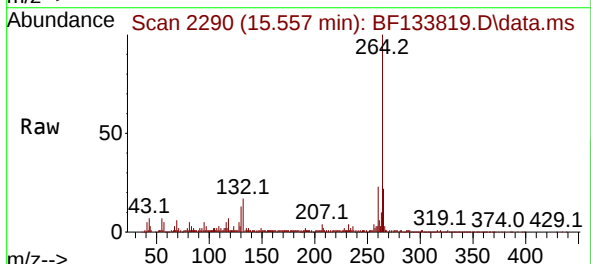
Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-01/02

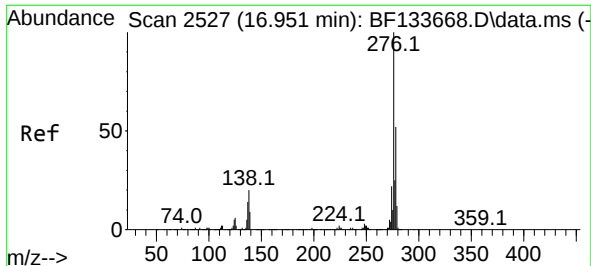
Tgt Ion:149 Resp: 35956  
Ion Ratio Lower Upper  
149 100  
167 12.3 1.4 2.0#  
43 32.0 8.7 13.1#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.557 min Scan# 2290  
Delta R.T. -0.006 min  
Lab File: BF133819.D  
Acq: 16 Jun 2023 21:54

Tgt Ion:264 Resp: 127384  
Ion Ratio Lower Upper  
264 100  
260 23.3 18.2 27.2  
265 21.7 17.8 26.6

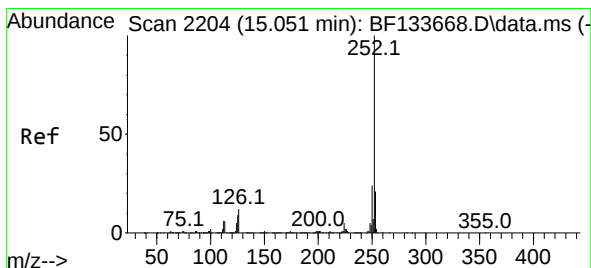
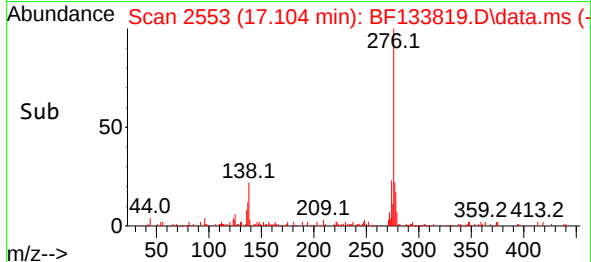
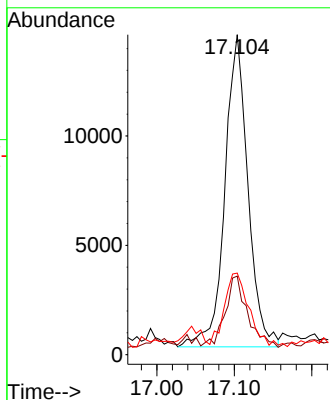
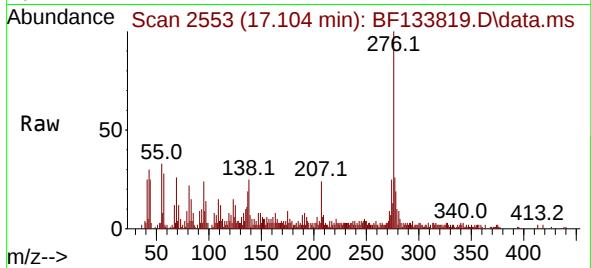




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 3.381 ng  
RT: 17.104 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF133819.D  
Acq: 16 Jun 2023 21:54

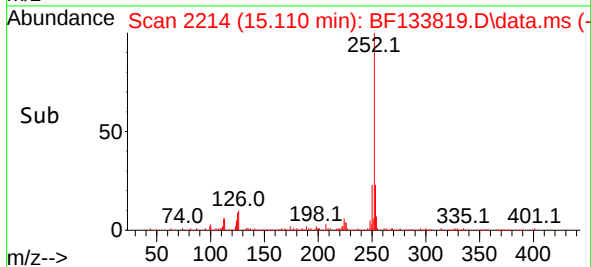
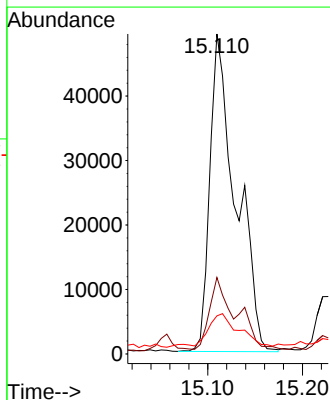
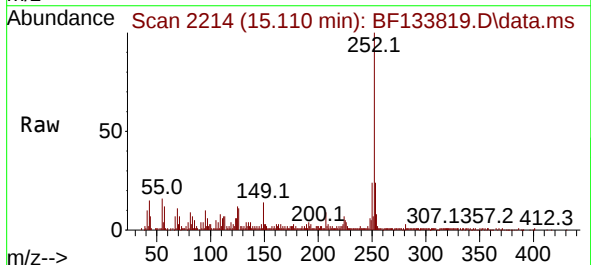
Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-01/02

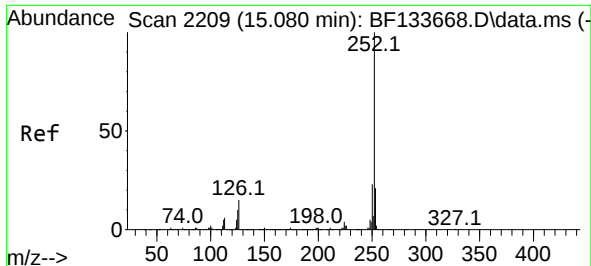
Tgt Ion:276 Resp: 29630  
Ion Ratio Lower Upper  
276 100  
138 22.0 17.9 26.9  
277 25.1 20.3 30.5



#88  
Benzo(b)fluoranthene  
Concen: 12.138 ng  
RT: 15.110 min Scan# 2214  
Delta R.T. -0.006 min  
Lab File: BF133819.D  
Acq: 16 Jun 2023 21:54

Tgt Ion:252 Resp: 93925  
Ion Ratio Lower Upper  
252 100  
253 23.9 17.0 25.6  
125 11.9 7.3 10.9#

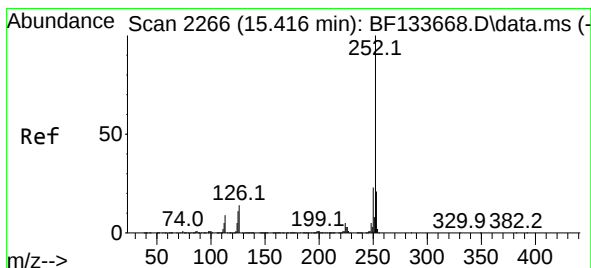
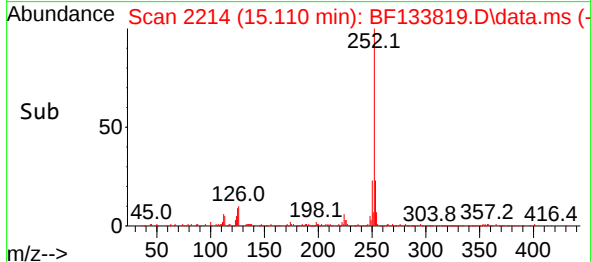
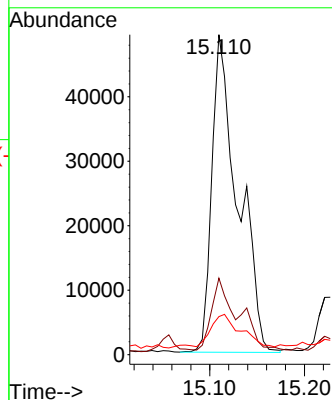
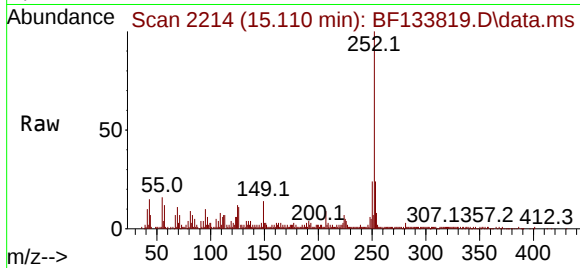




#89  
Benzo(k)fluoranthene  
Concen: 12.461 ng  
RT: 15.110 min Scan# 2110  
Delta R.T. -0.035 min  
Lab File: BF133819.D  
Acq: 16 Jun 2023 21:54

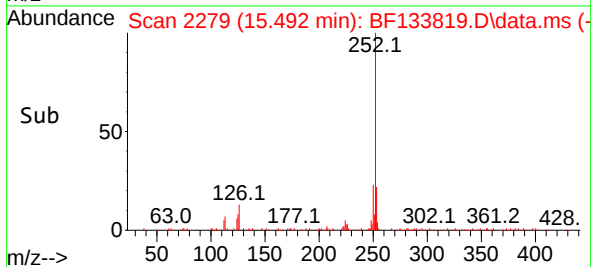
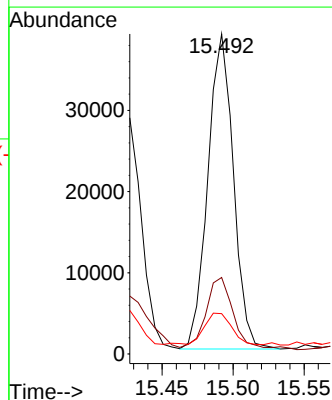
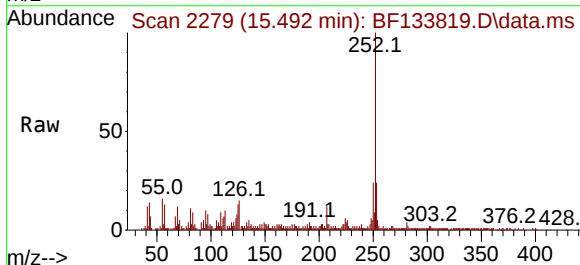
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ClientSampleId :  
COMPOSIT-SB-01/02

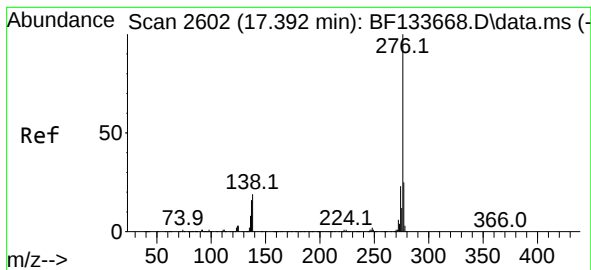
Tgt Ion:252 Resp: 93925  
Ion Ratio Lower Upper  
252 100  
253 23.9 17.0 25.4  
125 11.9 7.8 11.6#



#90  
Benzo(a)pyrene  
Concen: 6.762 ng  
RT: 15.492 min Scan# 2279  
Delta R.T. -0.006 min  
Lab File: BF133819.D  
Acq: 16 Jun 2023 21:54

Tgt Ion:252 Resp: 48559  
Ion Ratio Lower Upper  
252 100  
253 23.9 17.1 25.7  
125 12.6 8.6 13.0





#92

Benzo(g,h,i)perylene

Concen: 4.130 ng

RT: 17.574 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF133819.D

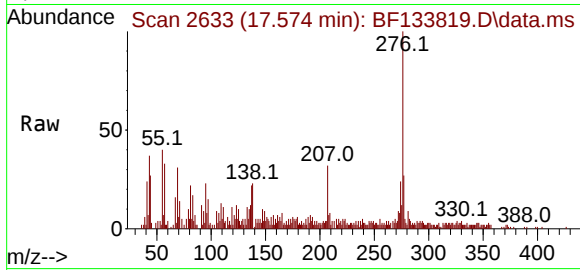
Acq: 16 Jun 2023 21:54

Instrument :

BNA\_F

ClientSampleId :

COMPOSIT-SB-01/02



Tgt Ion:276 Resp: 29712

Ion Ratio Lower Upper

276 100

277 27.1 19.8 29.8

138 22.7 15.0 22.4#

