

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091823\  
 Data File : BF135327.D  
 Acq On : 19 Sep 2023 02:00  
 Operator : CG\JU  
 Sample : 04445-01 2X  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-05-09142023

Quant Time: Sep 19 02:20:33 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 00:19:07 2023  
 Response via : Initial Calibration

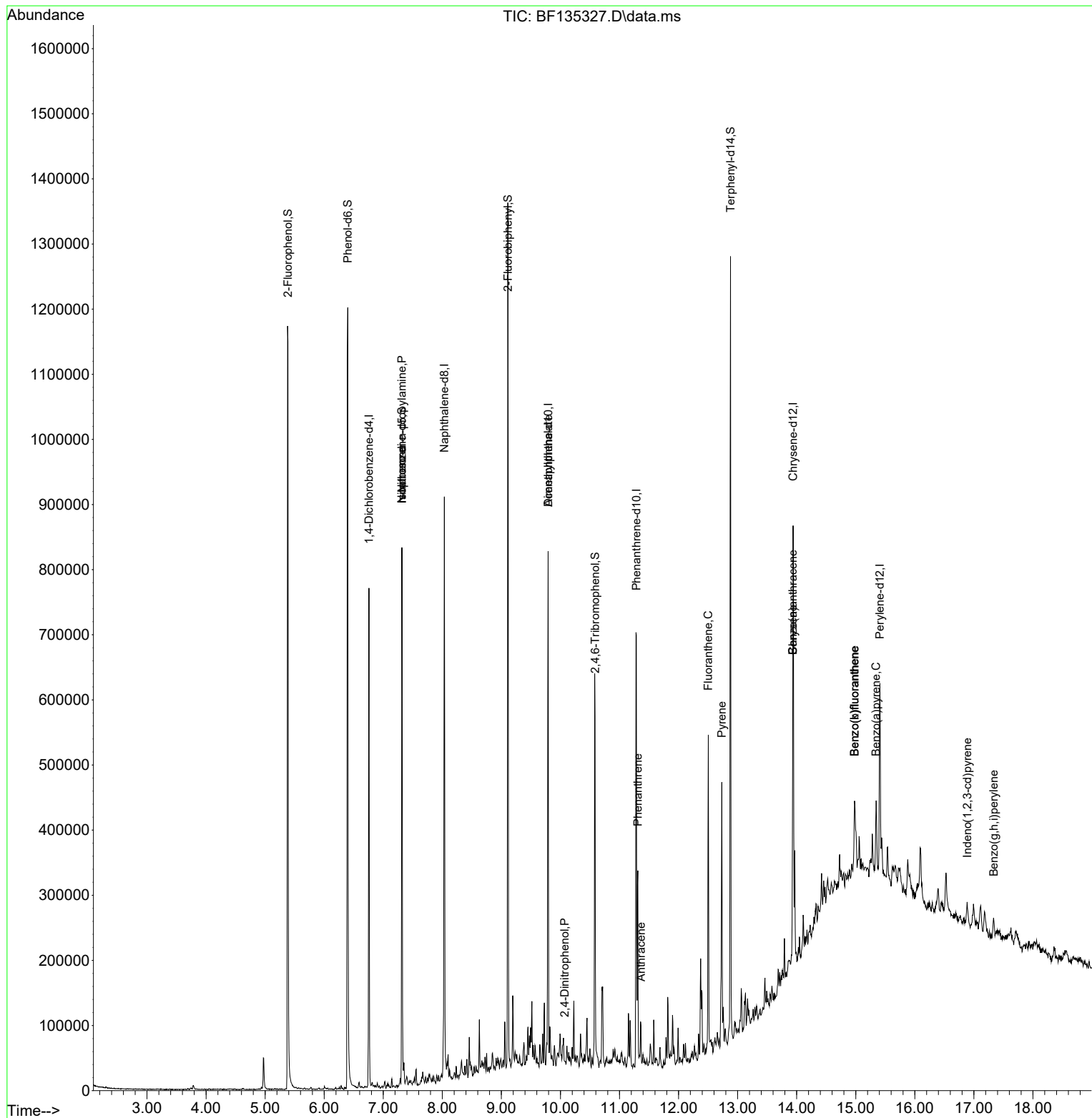
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.757  | 152  | 103083   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.033  | 136  | 350038   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.792  | 164  | 146437   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.286 | 188  | 261415   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.939 | 240  | 204022   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.409 | 264  | 144726   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.387  | 112  | 333525   | 52.624 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.398  | 99   | 398917   | 49.499 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.316  | 82   | 233163   | 36.189 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.586 | 330  | 68592    | 47.135 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.110  | 172  | 390399   | 40.222 | ng    | -0.02    |
| 79) Terphenyl-d14             | 12.880 | 244  | 391225   | 29.726 | ng    | -0.01    |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.316  | 70   | 30297    | 6.069  | ng    | # 81     |
| 25) Isophorone                | 7.316  | 82   | 233159   | 19.708 | ng    | # 65     |
| 50) Dimethylphthalate         | 9.792  | 163  | 29476    | 2.977  | ng    | # 1      |
| 54) 2,4-Dinitrophenol         | 10.074 | 184  | 177      | 6.380  | ng    | # 18     |
| 71) Phenanthrene              | 11.310 | 178  | 112553   | 9.103  | ng    | 99       |
| 72) Anthracene                | 11.363 | 178  | 25966    | 2.043  | ng    | 95       |
| 75) Fluoranthene              | 12.504 | 202  | 189258   | 14.691 | ng    | 99       |
| 78) Pyrene                    | 12.733 | 202  | 155467   | 8.004  | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.933 | 228  | 71234    | 5.407  | ng    | 98       |
| 83) Chrysene                  | 13.933 | 228  | 71234    | 5.438  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.886 | 276  | 21268    | 2.241  | ng    | 93       |
| 88) Benzo(b)fluoranthene      | 14.980 | 252  | 81679    | 10.425 | ng    | # 93     |
| 89) Benzo(k)fluoranthene      | 14.980 | 252  | 81679    | 10.554 | ng    | # 94     |
| 90) Benzo(a)pyrene            | 15.345 | 252  | 38115    | 5.102  | ng    | # 91     |
| 92) Benzo(g,h,i)perylene      | 17.339 | 276  | 20126    | 2.482  | ng    | 97       |
| -----                         |        |      |          |        |       |          |

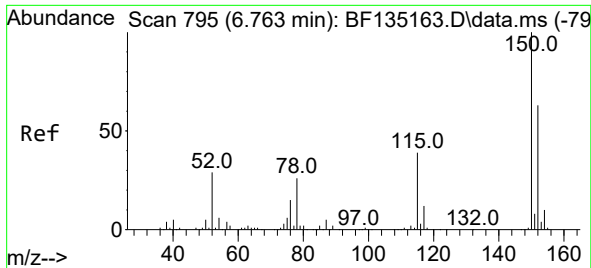
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091823\  
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Instrument :  
BNA\_F  
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TR-05-09142023

Quant Time: Sep 19 02:20:33 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 12 00:19:07 2023  
Response via : Initial Calibration

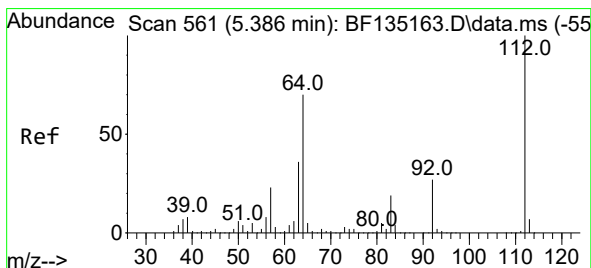
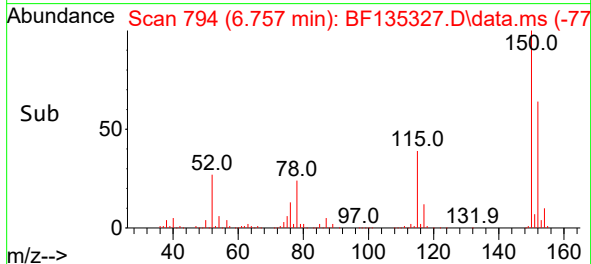
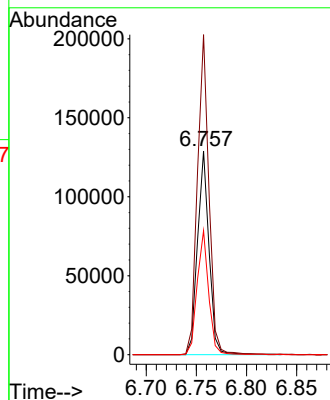
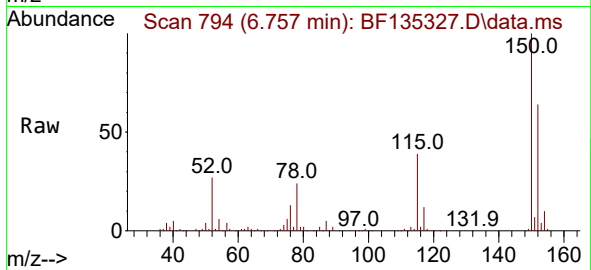




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.757 min Scan# 795  
Delta R.T. -0.006 min  
Lab File: BF135327.D  
Acq: 19 Sep 2023 02:00

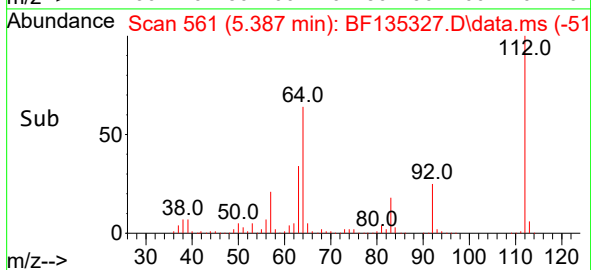
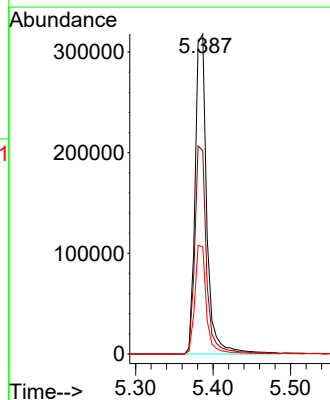
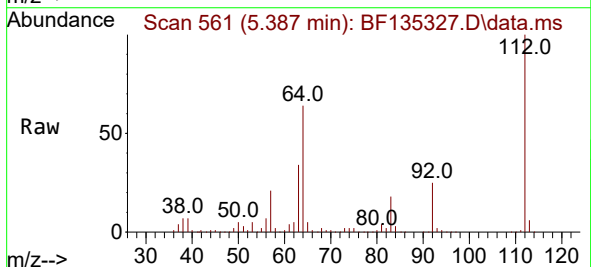
Instrument :  
BNA\_F  
ClientSampleId :  
TR-05-09142023

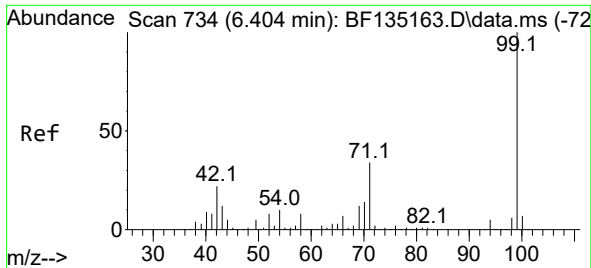
Tgt Ion:152 Resp: 103083  
Ion Ratio Lower Upper  
152 100  
150 157.1 127.8 191.6  
115 60.9 49.8 74.8



#5  
2-Fluorophenol  
Concen: 52.624 ng  
RT: 5.387 min Scan# 561  
Delta R.T. 0.000 min  
Lab File: BF135327.D  
Acq: 19 Sep 2023 02:00

Tgt Ion:112 Resp: 333525  
Ion Ratio Lower Upper  
112 100  
64 63.6 55.9 83.9  
63 33.5 29.0 43.6

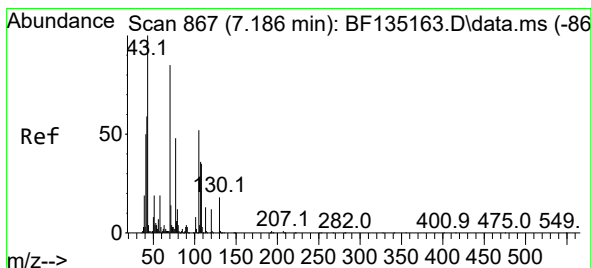
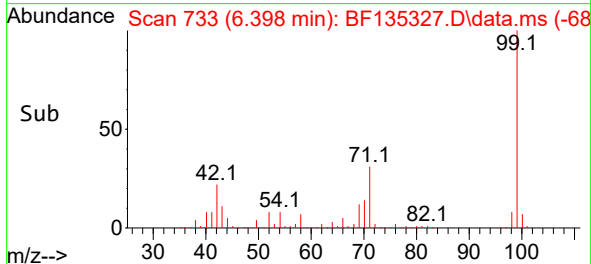
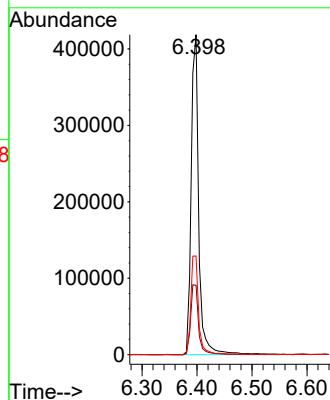
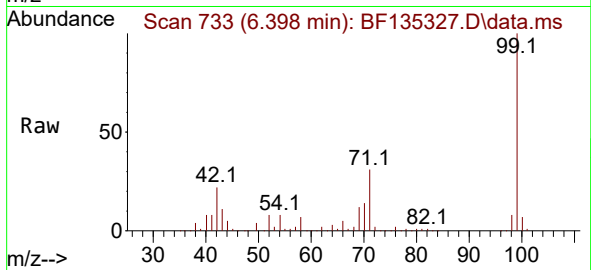




#7  
Phenol-d6  
Concen: 49.499 ng  
RT: 6.398 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF135327.D  
Acq: 19 Sep 2023 02:00

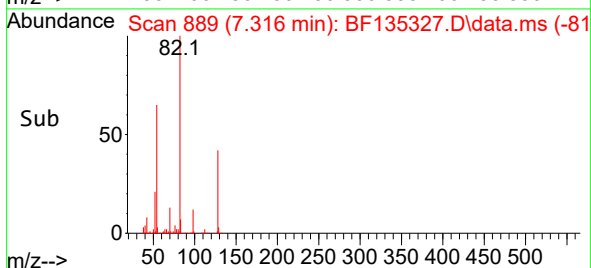
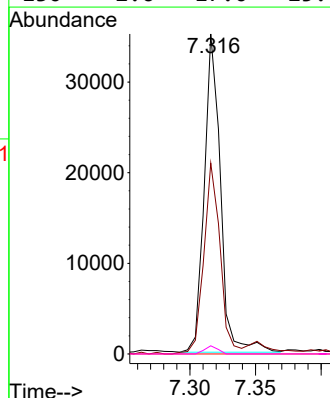
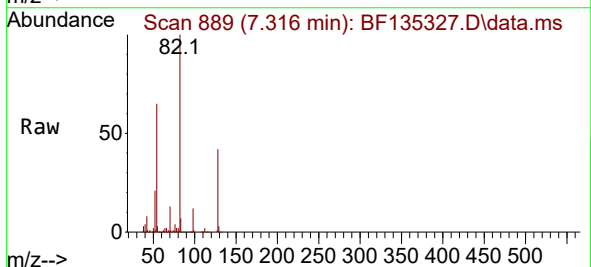
Instrument :  
BNA\_F  
ClientSampleId :  
TR-05-09142023

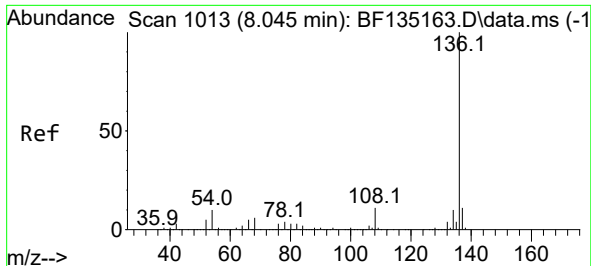
Tgt Ion: 99 Resp: 398917  
Ion Ratio Lower Upper  
99 100  
42 21.7 17.9 26.9  
71 30.9 27.0 40.6



#19  
n-Nitroso-di-n-propylamine  
Concen: 6.069 ng  
RT: 7.316 min Scan# 889  
Delta R.T. 0.129 min  
Lab File: BF135327.D  
Acq: 19 Sep 2023 02:00

Tgt Ion: 70 Resp: 30297  
Ion Ratio Lower Upper  
70 100  
42 59.7 55.4 83.0  
101 0.0 7.7 11.5#  
130 2.6 17.0 25.6#

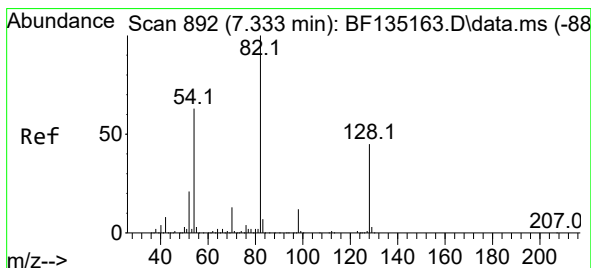
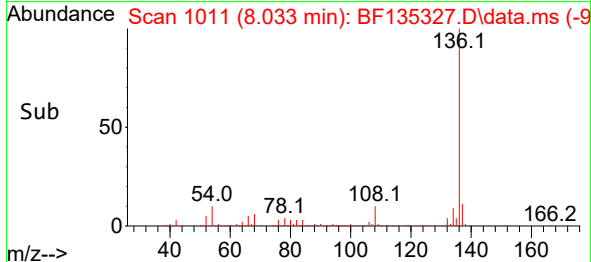
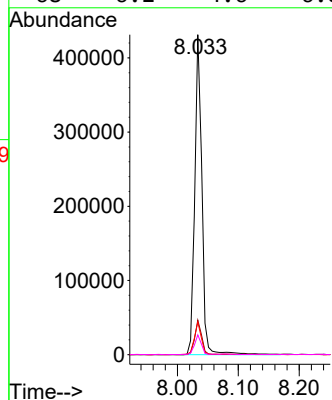
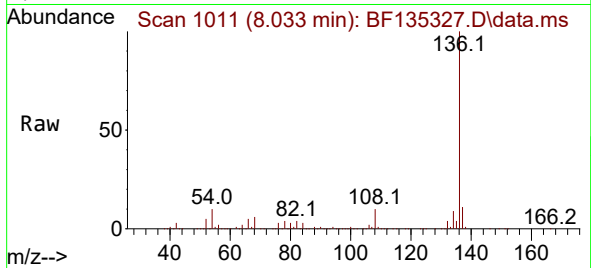




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.033 min Scan# 1013  
Delta R.T. -0.012 min  
Lab File: BF135327.D  
Acq: 19 Sep 2023 02:00

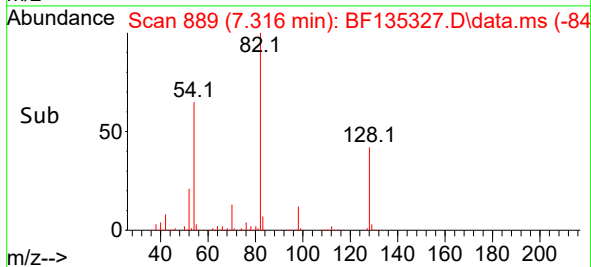
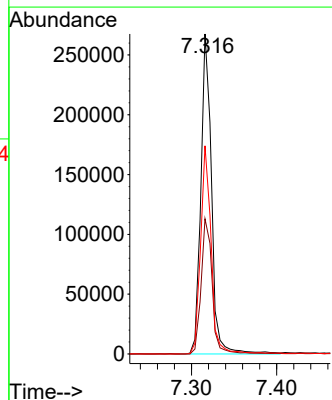
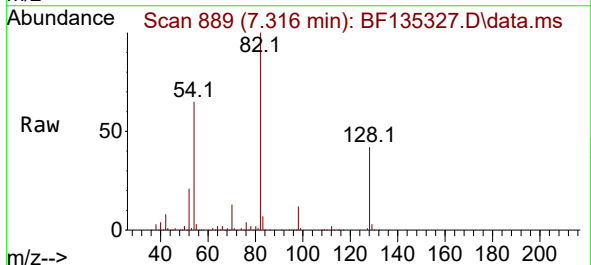
Instrument :  
BNA\_F  
ClientSampleId :  
TR-05-09142023

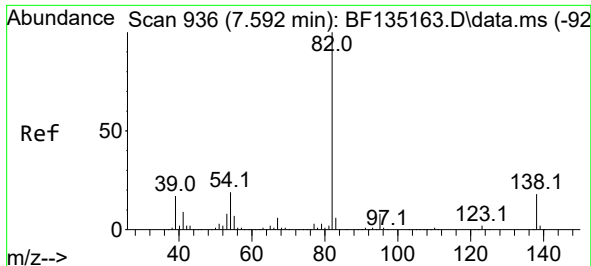
Tgt Ion:136 Resp: 350038  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.8 13.2  
54 10.2 7.7 11.5  
68 6.2 4.6 6.8



#23  
Nitrobenzene-d5  
Concen: 36.189 ng  
RT: 7.316 min Scan# 889  
Delta R.T. -0.018 min  
Lab File: BF135327.D  
Acq: 19 Sep 2023 02:00

Tgt Ion: 82 Resp: 233163  
Ion Ratio Lower Upper  
82 100  
128 42.3 35.8 53.6  
54 65.1 50.6 76.0

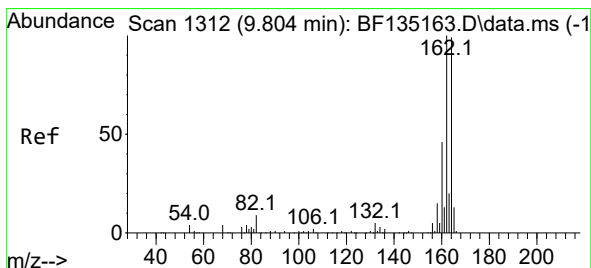
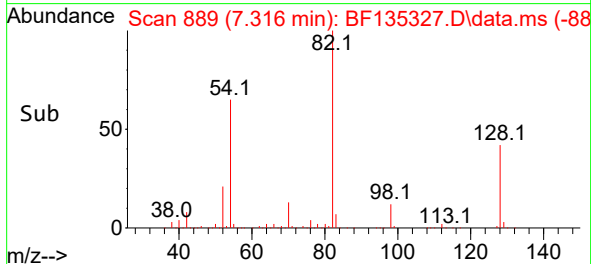
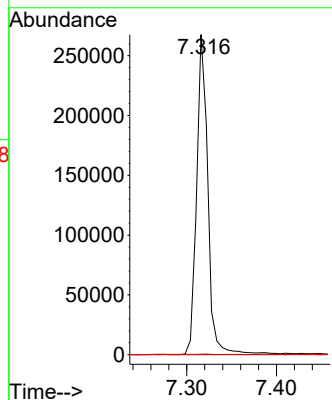
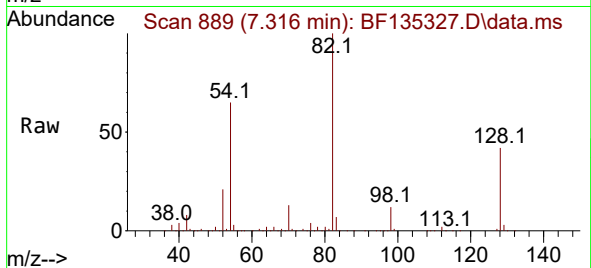




#25  
Isophorone  
Concen: 19.708 ng  
RT: 7.316 min Scan# 81  
Delta R.T. -0.276 min  
Lab File: BF135327.D  
Acq: 19 Sep 2023 02:00

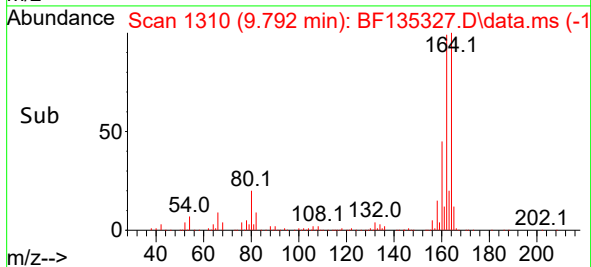
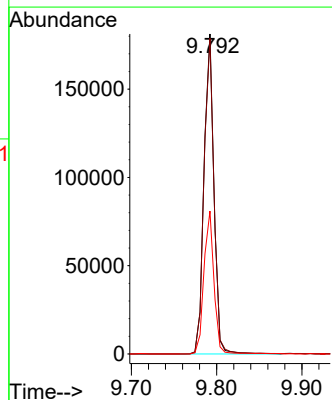
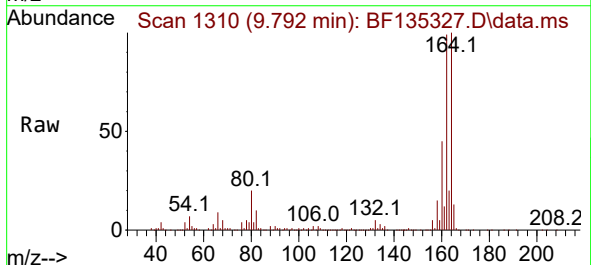
Instrument :  
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ClientSampleId :  
TR-05-09142023

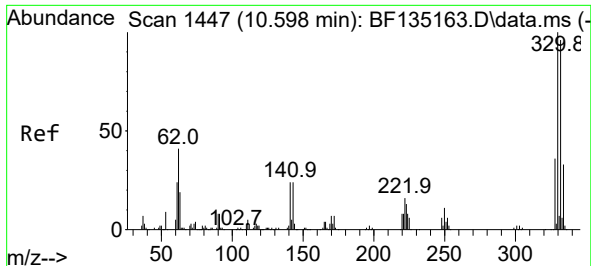
Tgt Ion: 82 Resp: 233159  
Ion Ratio Lower Upper  
82 100  
95 0.1 6.0 9.0#  
138 0.0 14.5 21.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.792 min Scan# 1310  
Delta R.T. -0.012 min  
Lab File: BF135327.D  
Acq: 19 Sep 2023 02:00

Tgt Ion:164 Resp: 146437  
Ion Ratio Lower Upper  
164 100  
162 98.7 81.0 121.4  
160 44.6 37.0 55.4

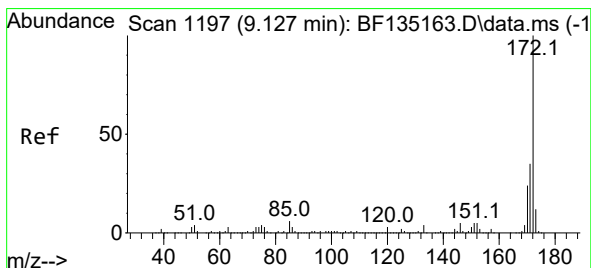
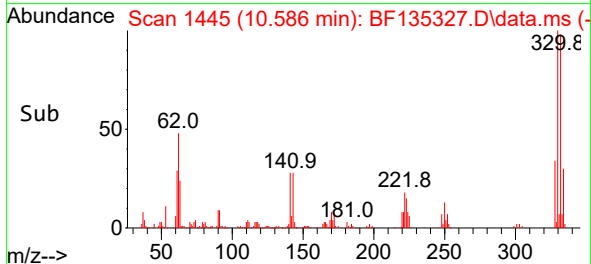
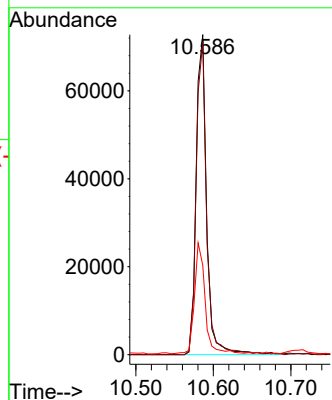
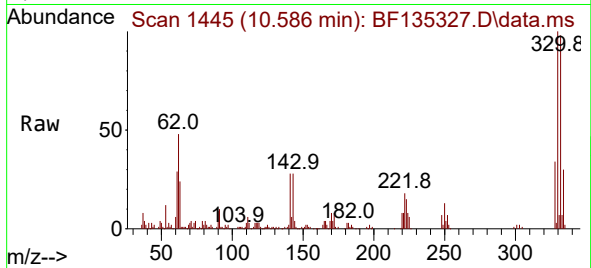




#42  
 2,4,6-Tribromophenol  
 Concen: 47.135 ng  
 RT: 10.586 min Scan# 1445  
 Delta R.T. -0.012 min  
 Lab File: BF135327.D  
 Acq: 19 Sep 2023 02:00

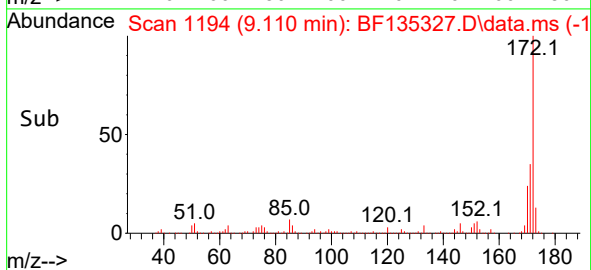
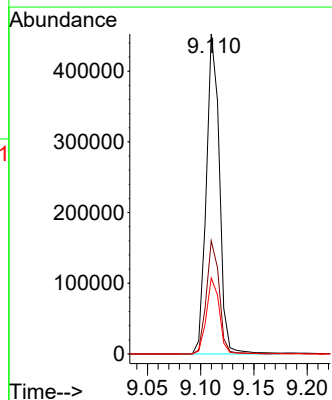
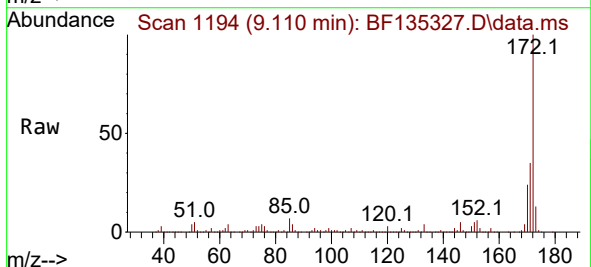
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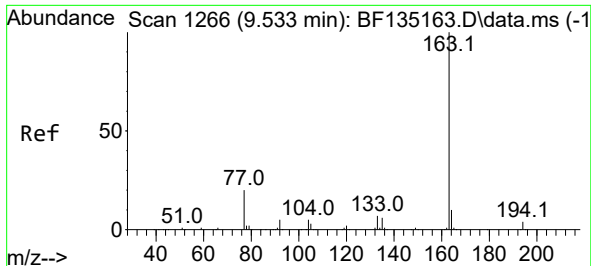
Tgt Ion: 330 Resp: 68592  
 Ion Ratio Lower Upper  
 330 100  
 332 96.6 77.3 115.9  
 141 34.7 25.8 38.8



#45  
 2-Fluorobiphenyl  
 Concen: 40.222 ng  
 RT: 9.110 min Scan# 1194  
 Delta R.T. -0.018 min  
 Lab File: BF135327.D  
 Acq: 19 Sep 2023 02:00

Tgt Ion: 172 Resp: 390399  
 Ion Ratio Lower Upper  
 172 100  
 171 35.4 28.4 42.6  
 170 23.8 19.0 28.4

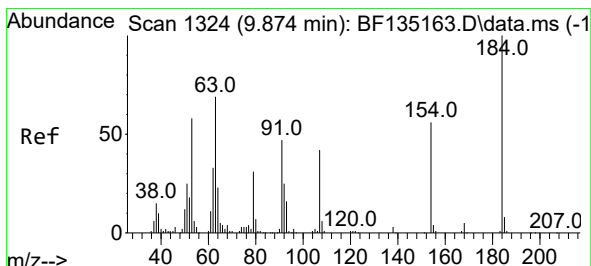
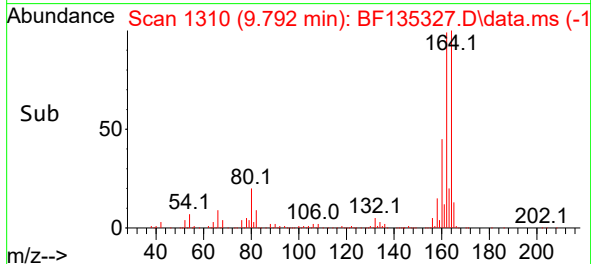
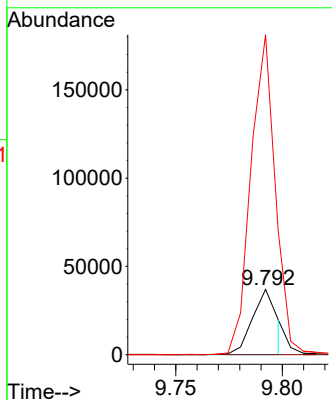
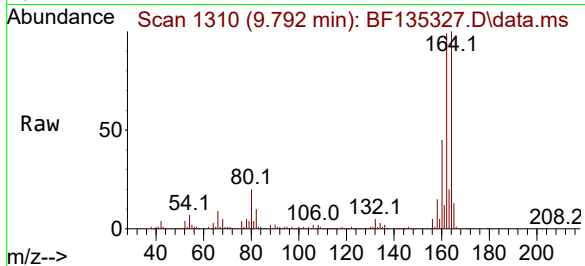




#50  
Dimethylphthalate  
Concen: 2.977 ng  
RT: 9.792 min Scan# 11  
Delta R.T. 0.259 min  
Lab File: BF135327.D  
Acq: 19 Sep 2023 02:00

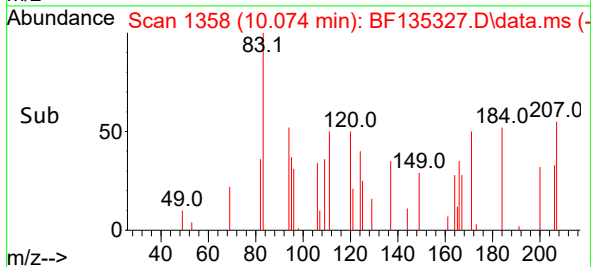
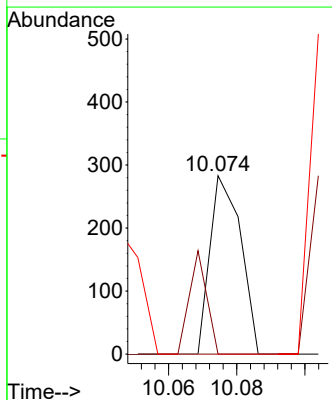
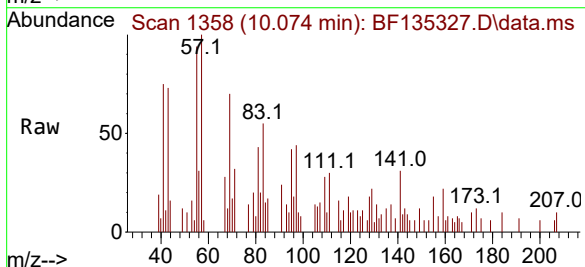
Instrument :  
BNA\_F  
ClientSampleId :  
TR-05-09142023

Tgt Ion:163 Resp: 29476  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.1 4.7#  
164 490.3 8.1 12.1#

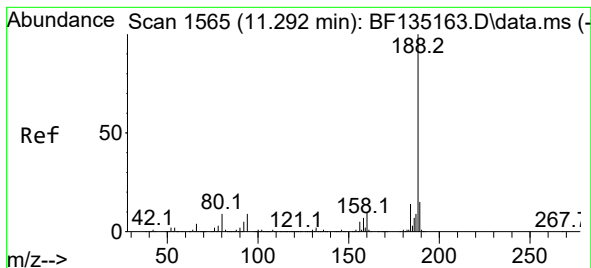


#54  
2,4-Dinitrophenol  
Concen: 6.380 ng  
RT: 10.074 min Scan# 1358  
Delta R.T. 0.200 min  
Lab File: BF135327.D  
Acq: 19 Sep 2023 02:00

Tgt Ion:184 Resp: 177  
Ion Ratio Lower Upper  
184 100  
63 0.0 55.1 82.7#  
154 0.0 48.4 72.6#







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.286 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135327.D

Acq: 19 Sep 2023 02:00

Instrument :

BNA\_F

ClientSampleId :

TR-05-09142023

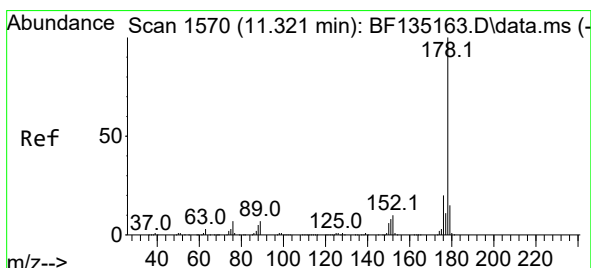
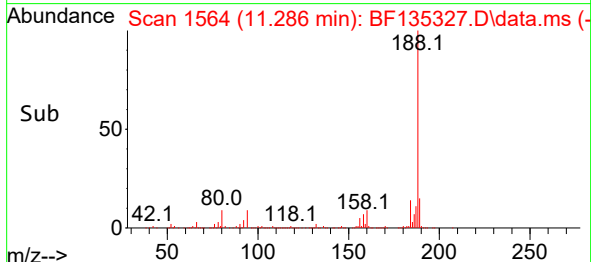
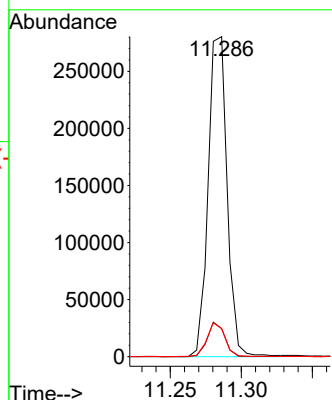
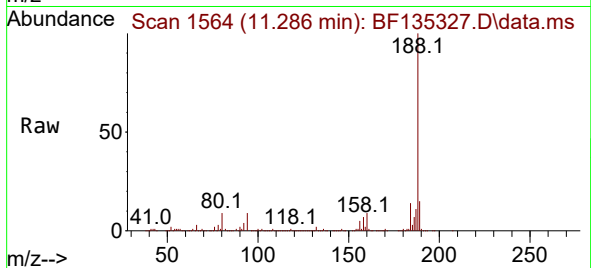
Tgt Ion:188 Resp: 261415

Ion Ratio Lower Upper

188 100

94 8.8 7.0 10.6

80 8.7 7.5 11.3



#71

Phenanthrene

Concen: 9.103 ng

RT: 11.310 min Scan# 1568

Delta R.T. -0.012 min

Lab File: BF135327.D

Acq: 19 Sep 2023 02:00

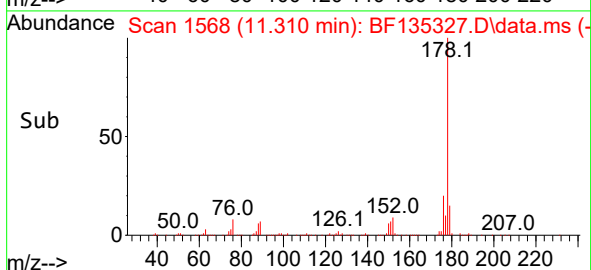
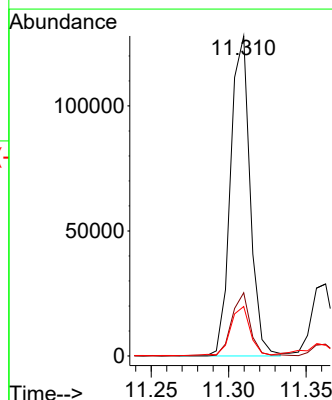
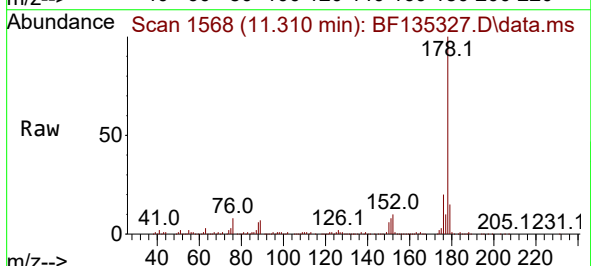
Tgt Ion:178 Resp: 112553

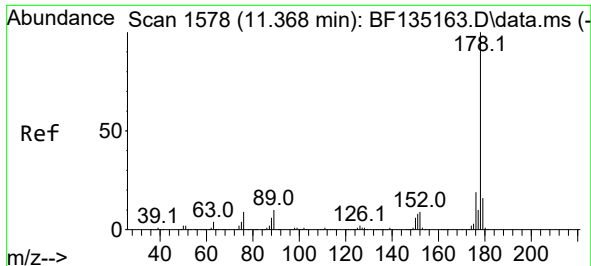
Ion Ratio Lower Upper

178 100

176 19.8 15.6 23.4

179 15.5 12.0 18.0

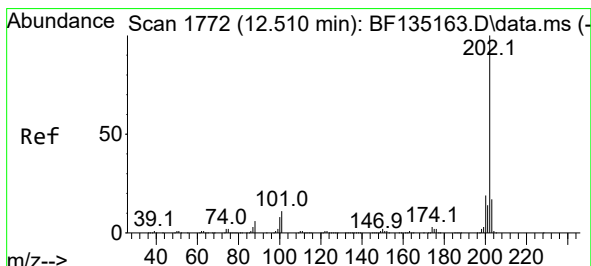
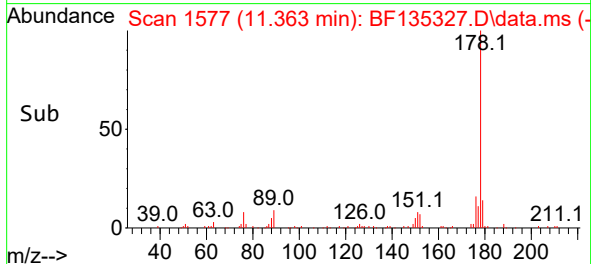
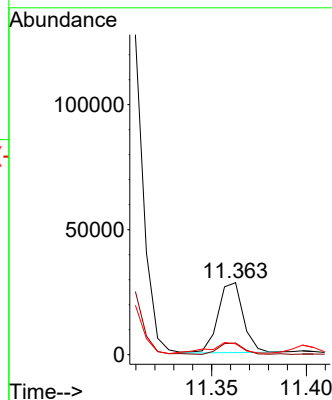
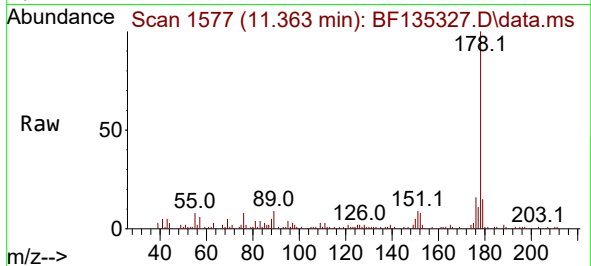




#72  
 Anthracene  
 Concen: 2.043 ng  
 RT: 11.363 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BF135327.D  
 Acq: 19 Sep 2023 02:00

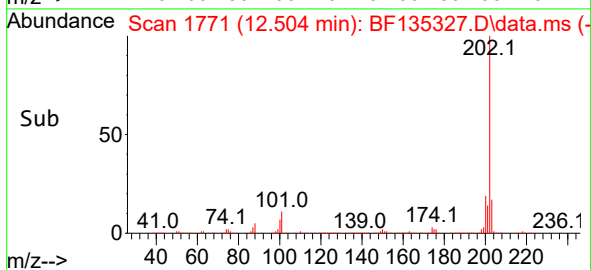
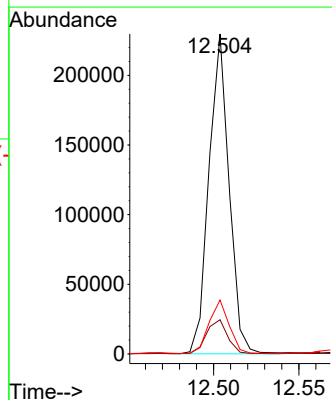
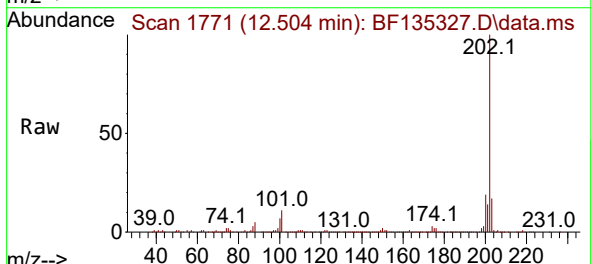
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-05-09142023

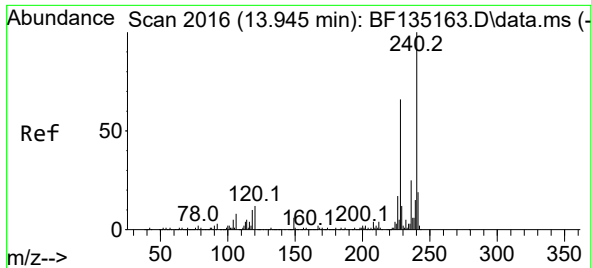
Tgt Ion:178 Resp: 25966  
 Ion Ratio Lower Upper  
 178 100  
 176 16.1 15.4 23.2  
 179 15.1 12.6 19.0



#75  
 Fluoranthene  
 Concen: 14.691 ng  
 RT: 12.504 min Scan# 1771  
 Delta R.T. -0.006 min  
 Lab File: BF135327.D  
 Acq: 19 Sep 2023 02:00

Tgt Ion:202 Resp: 189258  
 Ion Ratio Lower Upper  
 202 100  
 101 10.7 0.0 31.3  
 203 16.8 0.0 37.4

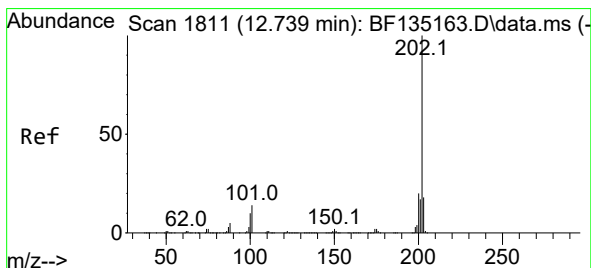
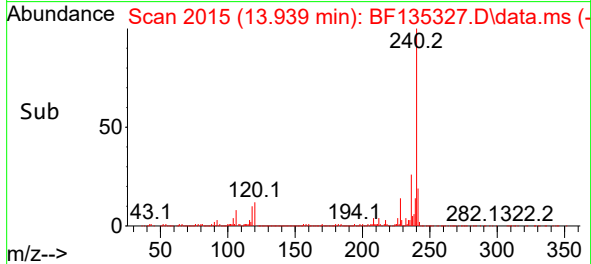
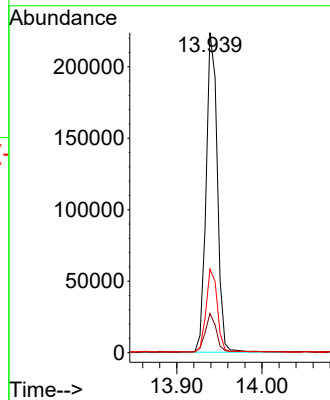
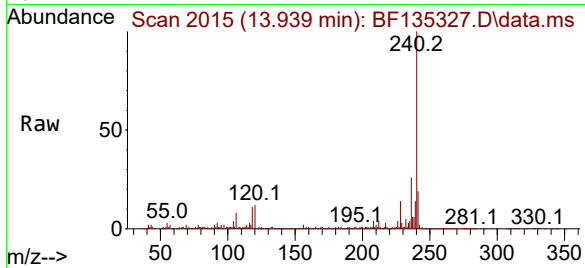




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.939 min Scan# 2016  
Delta R.T. -0.006 min  
Lab File: BF135327.D  
Acq: 19 Sep 2023 02:00

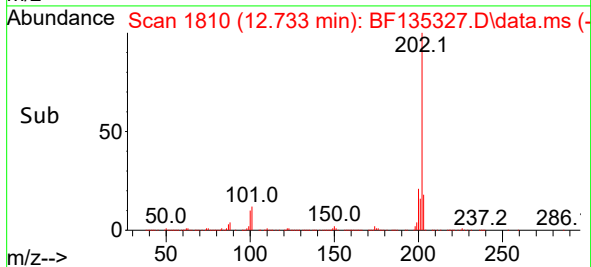
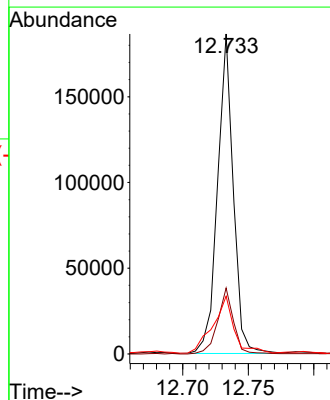
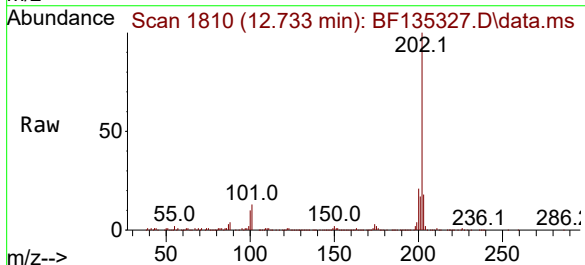
Instrument :  
BNA\_F  
ClientSampleId :  
TR-05-09142023

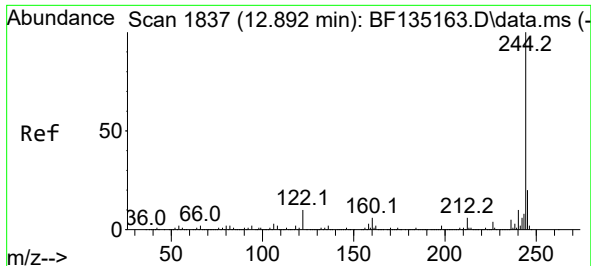
Tgt Ion:240 Resp: 204022  
Ion Ratio Lower Upper  
240 100  
120 12.3 9.4 14.2  
236 26.1 19.8 29.8



#78  
Pyrene  
Concen: 8.004 ng  
RT: 12.733 min Scan# 1810  
Delta R.T. -0.006 min  
Lab File: BF135327.D  
Acq: 19 Sep 2023 02:00

Tgt Ion:202 Resp: 155467  
Ion Ratio Lower Upper  
202 100  
200 20.6 16.2 24.2  
203 18.1 14.2 21.4

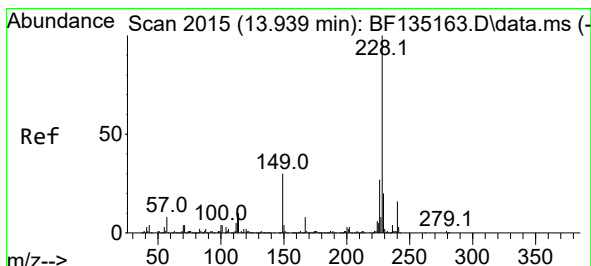
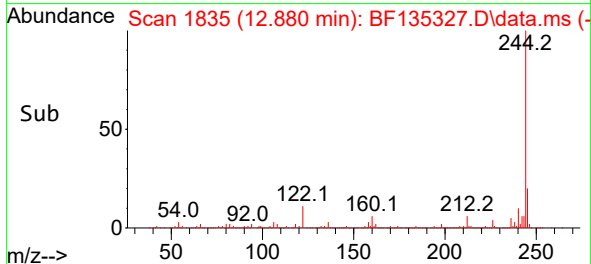
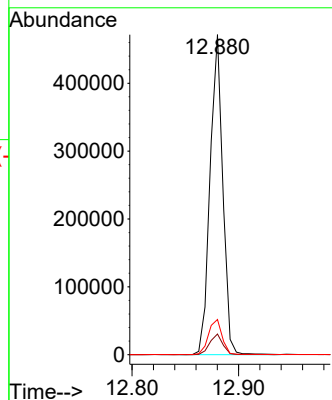
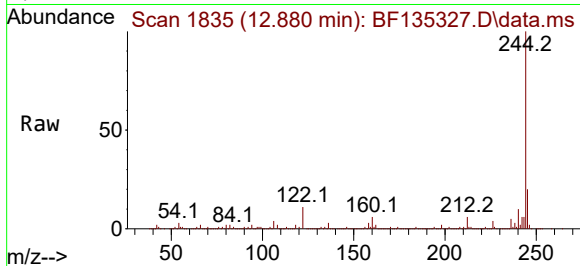




#79  
 Terphenyl-d14  
 Concen: 29.726 ng  
 RT: 12.880 min Scan# 1835  
 Delta R.T. -0.012 min  
 Lab File: BF135327.D  
 Acq: 19 Sep 2023 02:00

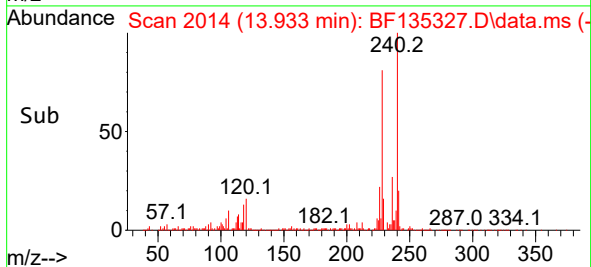
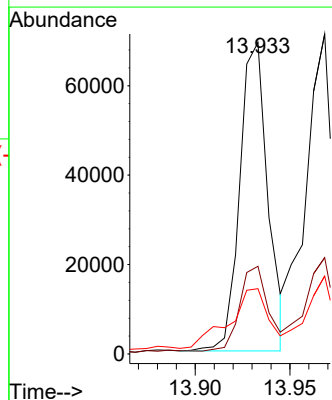
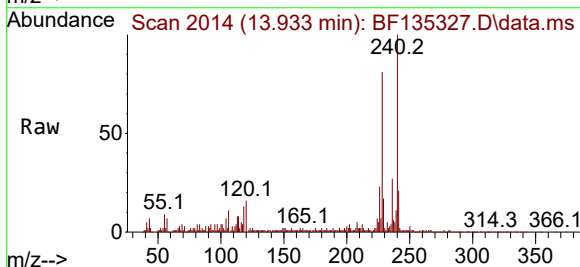
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-05-09142023

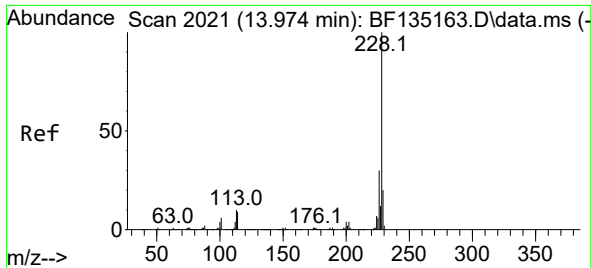
Tgt Ion:244 Resp: 391225  
 Ion Ratio Lower Upper  
 244 100  
 212 6.4 5.1 7.7  
 122 11.0 7.9 11.9



#81  
 Benzo(a)anthracene  
 Concen: 5.407 ng  
 RT: 13.933 min Scan# 2014  
 Delta R.T. -0.006 min  
 Lab File: BF135327.D  
 Acq: 19 Sep 2023 02:00

Tgt Ion:228 Resp: 71234  
 Ion Ratio Lower Upper  
 228 100  
 226 28.2 21.7 32.5  
 229 21.0 15.8 23.8

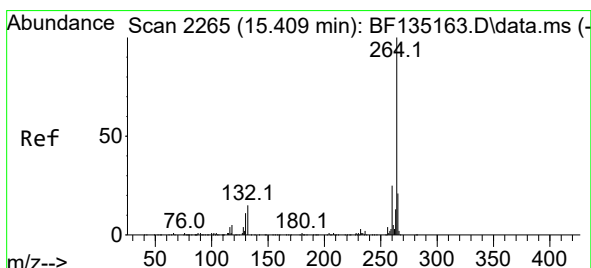
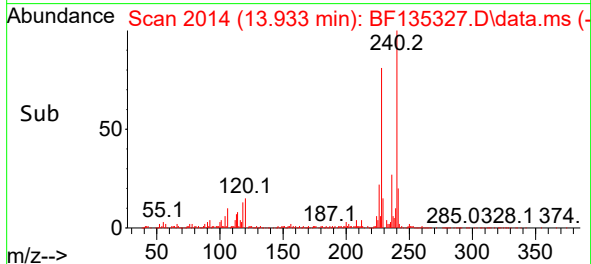
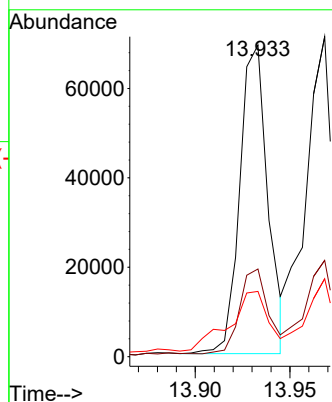
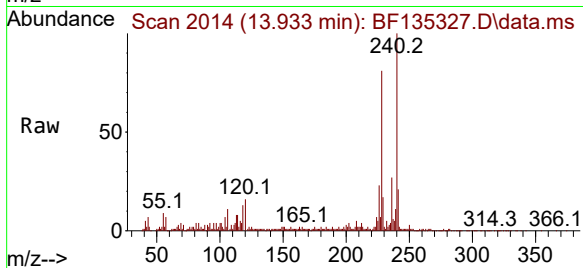




#83  
Chrysene  
Concen: 5.438 ng  
RT: 13.933 min Scan# 20  
Delta R.T. -0.041 min  
Lab File: BF135327.D  
Acq: 19 Sep 2023 02:00

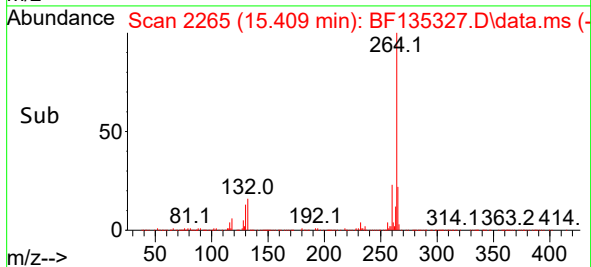
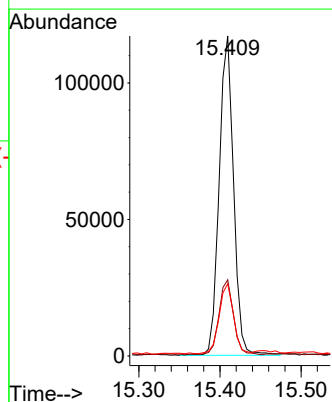
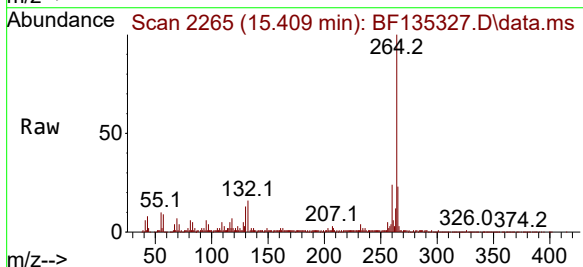
Instrument :  
BNA\_F  
ClientSampleId :  
TR-05-09142023

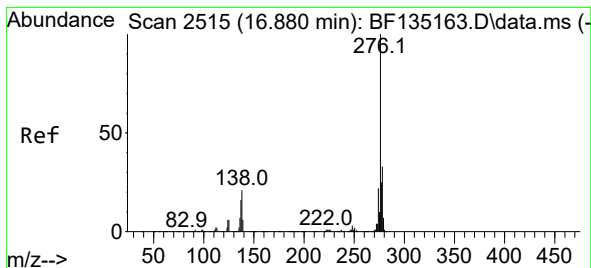
Tgt Ion:228 Resp: 71234  
Ion Ratio Lower Upper  
228 100  
226 28.2 24.3 36.5  
229 21.0 16.0 24.0



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.409 min Scan# 2265  
Delta R.T. 0.000 min  
Lab File: BF135327.D  
Acq: 19 Sep 2023 02:00

Tgt Ion:264 Resp: 144726  
Ion Ratio Lower Upper  
264 100  
260 23.8 19.8 29.6  
265 22.6 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.241 ng

RT: 16.886 min Scan# 2116

Delta R.T. 0.006 min

Lab File: BF135327.D

Acq: 19 Sep 2023 02:00

Instrument :

BNA\_F

ClientSampleId :

TR-05-09142023

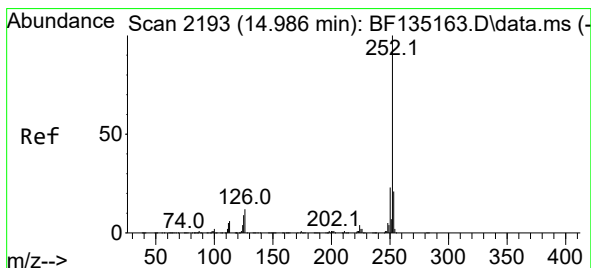
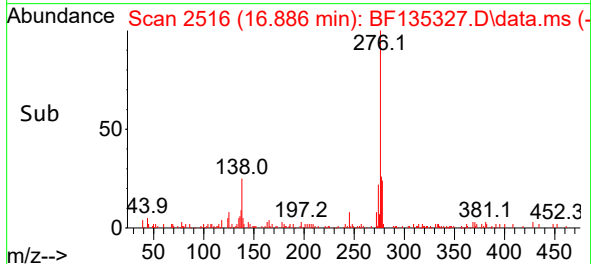
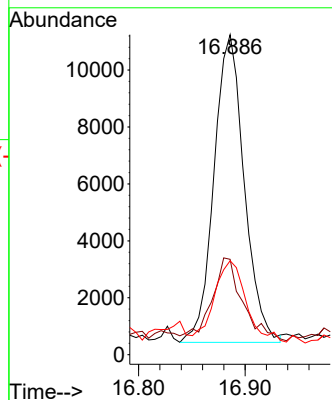
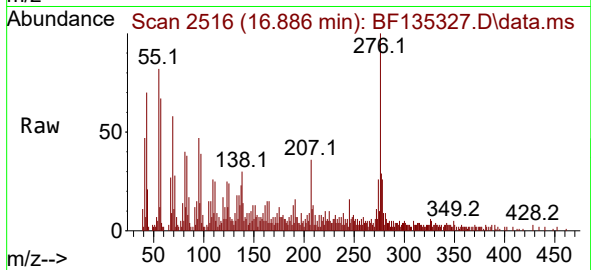
Tgt Ion:276 Resp: 21268

Ion Ratio Lower Upper

276 100

138 27.8 19.2 28.8

277 27.7 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 10.425 ng

RT: 14.980 min Scan# 2192

Delta R.T. -0.006 min

Lab File: BF135327.D

Acq: 19 Sep 2023 02:00

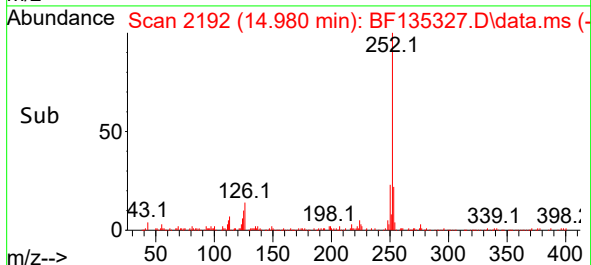
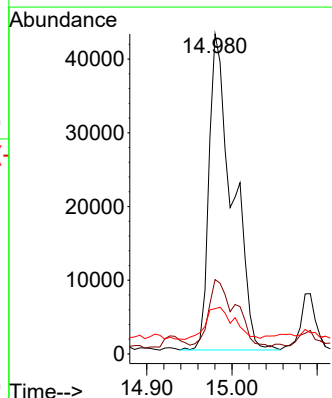
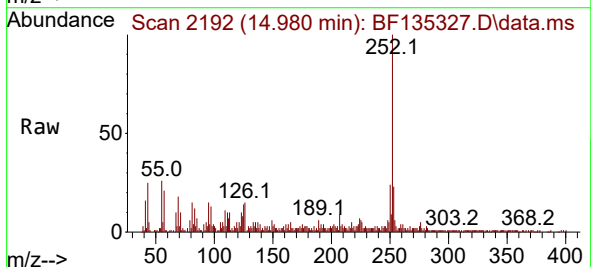
Tgt Ion:252 Resp: 81679

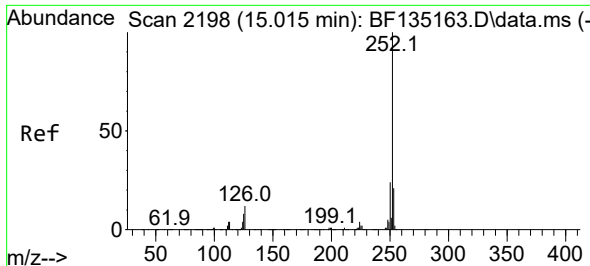
Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

125 14.1 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 10.554 ng

RT: 14.980 min Scan# 2198

Delta R.T. -0.035 min

Lab File: BF135327.D

Acq: 19 Sep 2023 02:00

Instrument :

BNA\_F

ClientSampleId :

TR-05-09142023

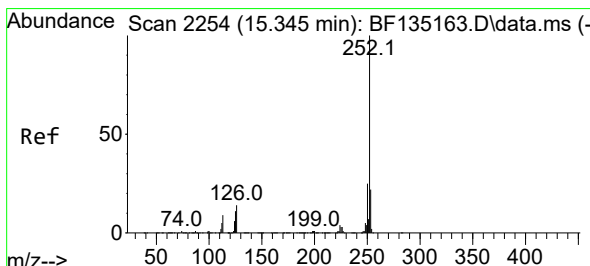
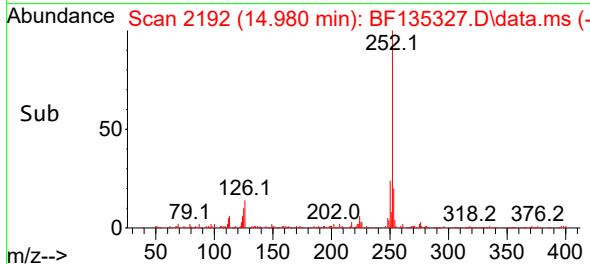
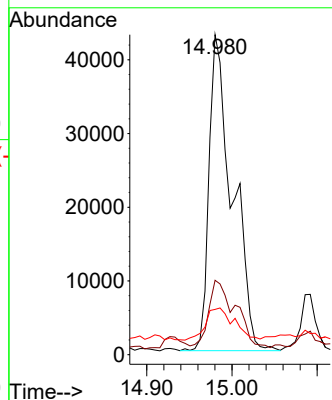
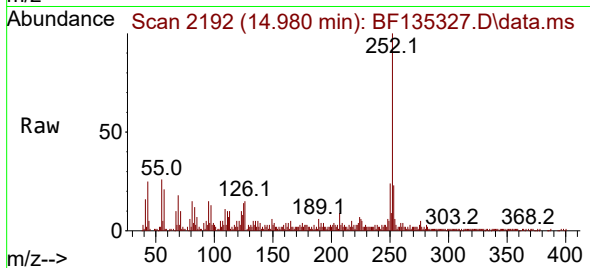
Tgt Ion:252 Resp: 81679

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

125 14.1 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 5.102 ng

RT: 15.345 min Scan# 2254

Delta R.T. 0.000 min

Lab File: BF135327.D

Acq: 19 Sep 2023 02:00

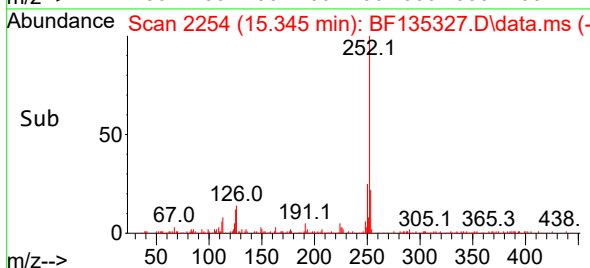
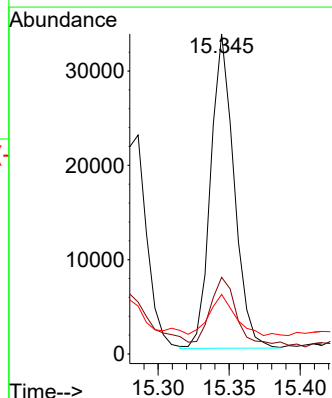
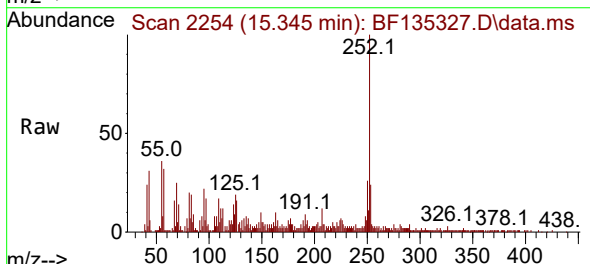
Tgt Ion:252 Resp: 38115

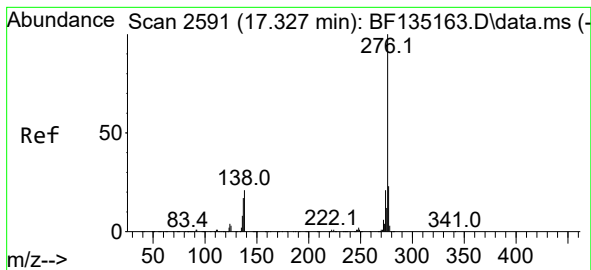
Ion Ratio Lower Upper

252 100

253 24.0 17.5 26.3

125 18.6 9.2 13.8#





#92

Benzo(g,h,i)perylene

Concen: 2.482 ng

RT: 17.339 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF135327.D

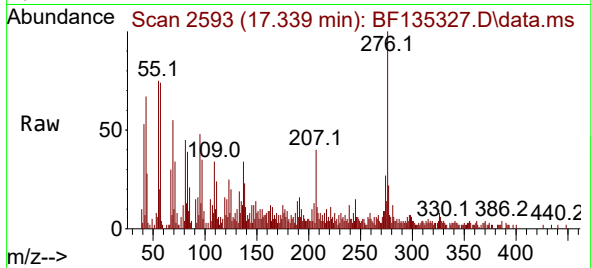
Acq: 19 Sep 2023 02:00

Instrument :

BNA\_F

ClientSampleId :

TR-05-09142023



Tgt Ion:276 Resp: 20126

Ion Ratio Lower Upper

276 100

277 22.3 18.8 28.2

138 22.9 16.9 25.3

