

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF042624\  
 Data File : BF137735.D  
 Acq On : 26 Apr 2024 15:16  
 Operator : CG\JU  
 Sample : P2218-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-131-GW-01

Quant Time: Apr 26 15:38:22 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 24 03:57:12 2024  
 Response via : Initial Calibration

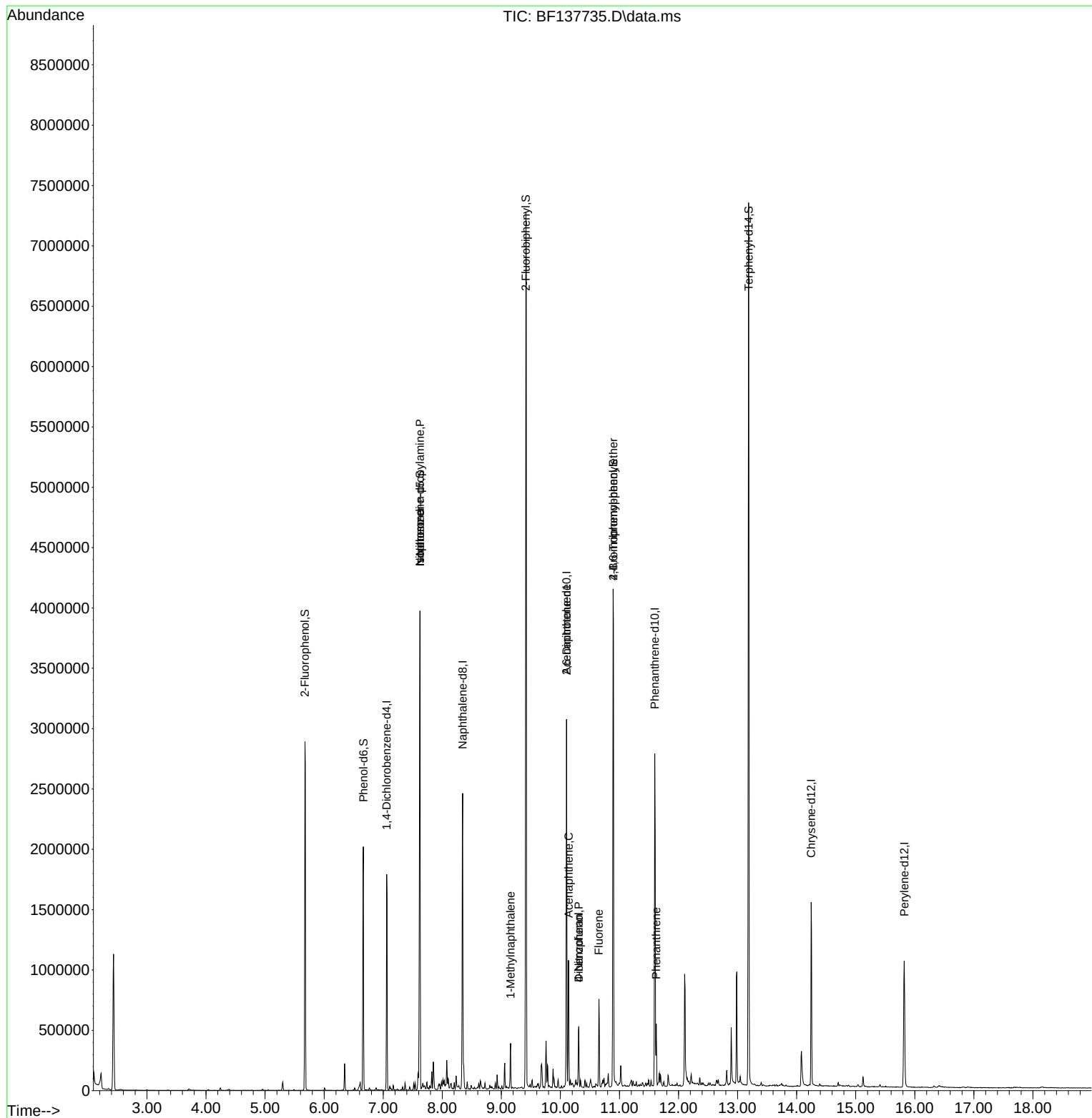
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.057  | 152  | 263842   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.345  | 136  | 1035157  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.104 | 164  | 578632   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.598 | 188  | 973877   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.245 | 240  | 496435   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12              | 15.821 | 264  | 495411   | 20.000 | ng    | -0.01    |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.675  | 112  | 793107   | 45.662 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.663  | 99   | 648813   | 29.416 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.622  | 82   | 1251771  | 64.191 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.898 | 330  | 534657   | 91.569 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.416  | 172  | 2430060  | 62.752 | ng    | -0.01    |
| 79) Terphenyl-d14             | 13.186 | 244  | 2455536  | 79.614 | ng    | -0.01    |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.622  | 70   | 166002   | 11.639 | ng    | # 78     |
| 25) Isophorone                | 7.622  | 82   | 1248810  | 34.481 | ng    | # 64     |
| 38) 1-Methylnaphthalene       | 9.157  | 142  | 91219    | 2.691  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 10.104 | 165  | 77623    | 9.138  | ng    | # 23     |
| 52) Acenaphthene              | 10.139 | 154  | 232503   | 7.096  | ng    | 99       |
| 55) Dibenzofuran              | 10.310 | 168  | 190902   | 3.975  | ng    | 98       |
| 56) 4-Nitrophenol             | 10.310 | 139  | 70590    | 9.509  | ng    | # 9      |
| 58) Fluorene                  | 10.651 | 166  | 185897   | 4.953  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.898 | 248  | 34235    | 3.034  | ng    | # 1      |
| 71) Phenanthrene              | 11.622 | 178  | 158574   | 3.076  | ng    | 97       |
| -----                         |        |      |          |        |       |          |

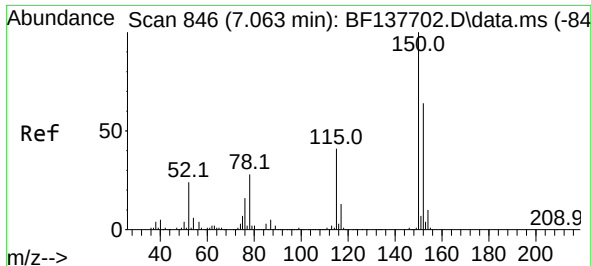
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 24 03:57:12 2024  
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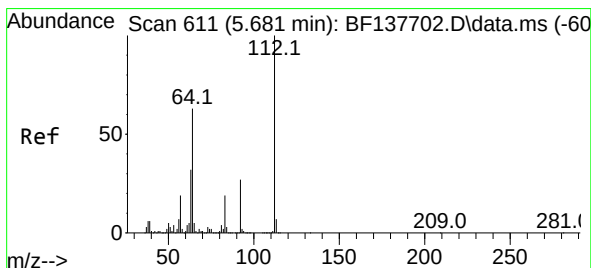
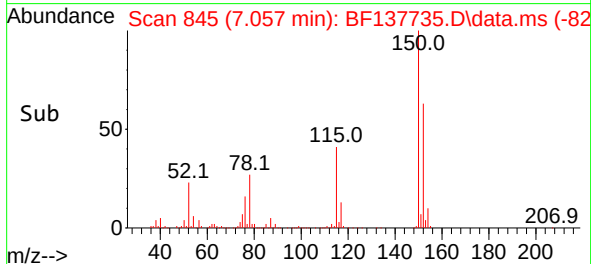
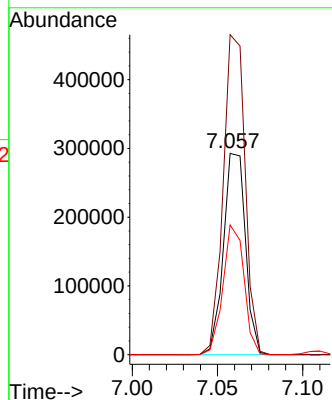
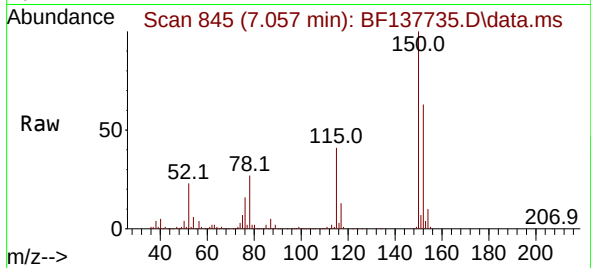




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.057 min Scan# 84  
Delta R.T. -0.006 min  
Lab File: BF137735.D  
Acq: 26 Apr 2024 15:16

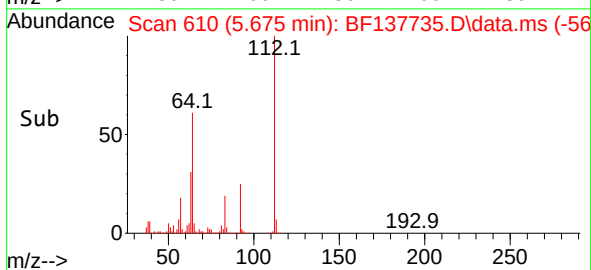
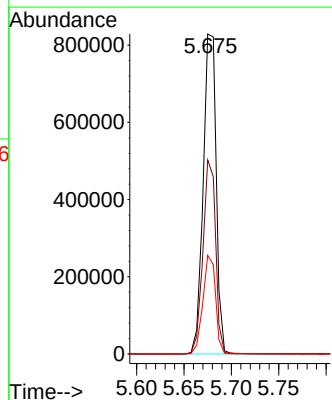
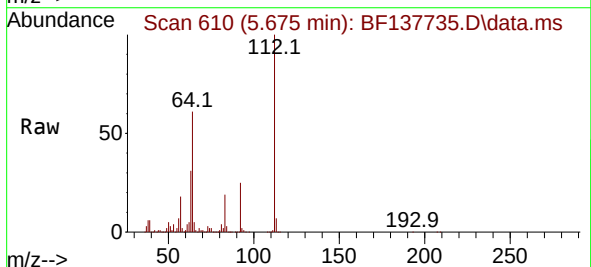
Instrument :  
BNA\_F  
ClientSampleId :  
B-131-GW-01

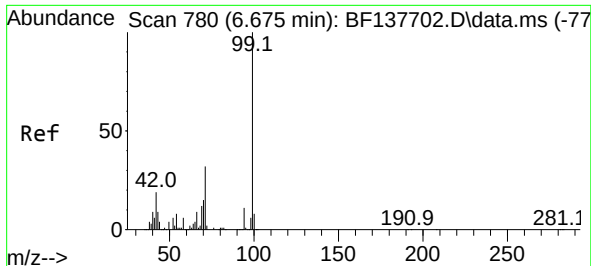
Tgt Ion:152 Resp: 263842  
Ion Ratio Lower Upper  
152 100  
150 159.0 124.2 186.4  
115 64.5 50.8 76.2



#5  
2-Fluorophenol  
Concen: 45.662 ng  
RT: 5.675 min Scan# 610  
Delta R.T. -0.006 min  
Lab File: BF137735.D  
Acq: 26 Apr 2024 15:16

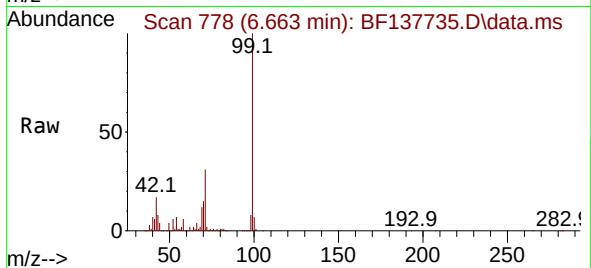
Tgt Ion:112 Resp: 793107  
Ion Ratio Lower Upper  
112 100  
64 60.6 50.1 75.1  
63 30.8 25.2 37.8



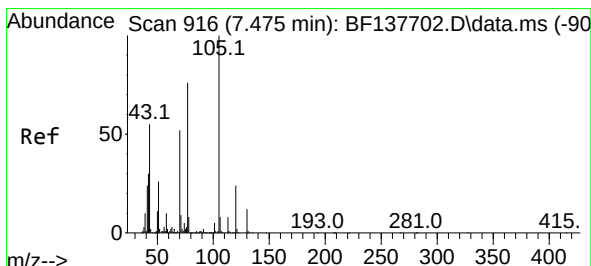
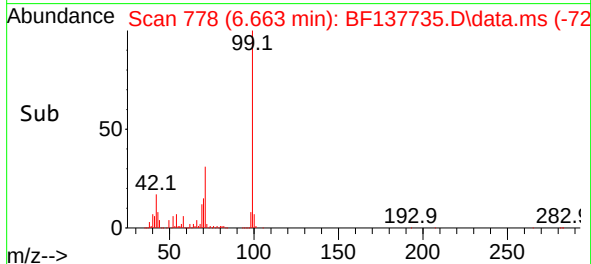
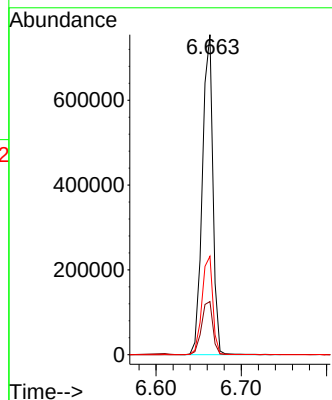


#7  
Phenol-d6  
Concen: 29.416 ng  
RT: 6.663 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF137735.D  
Acq: 26 Apr 2024 15:16

Instrument :  
BNA\_F  
ClientSampleId :  
B-131-GW-01

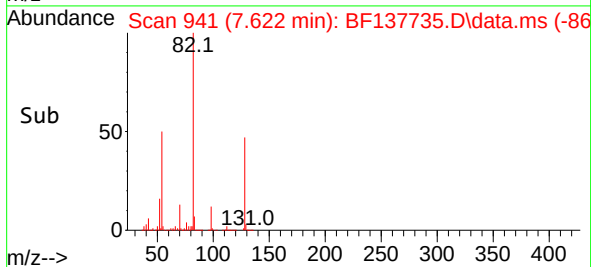
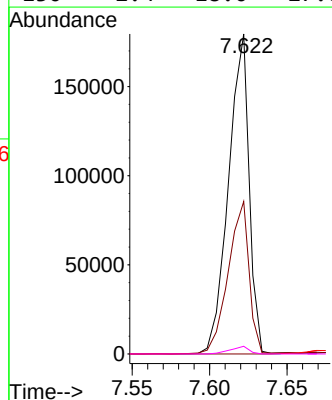
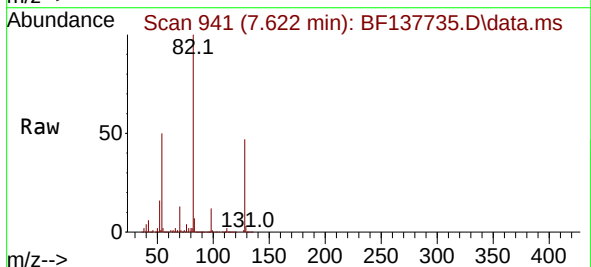


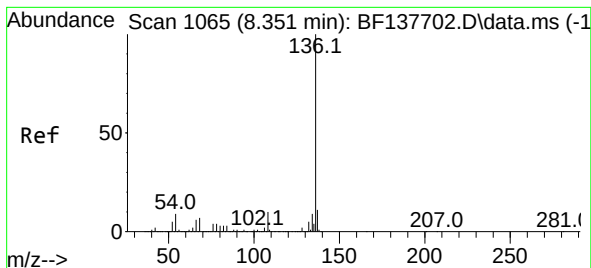
Tgt Ion: 99 Resp: 648813  
Ion Ratio Lower Upper  
99 100  
42 16.6 15.0 22.4  
71 30.7 25.7 38.5



#19  
n-Nitroso-di-n-propylamine  
Concen: 11.639 ng  
RT: 7.622 min Scan# 941  
Delta R.T. 0.147 min  
Lab File: BF137735.D  
Acq: 26 Apr 2024 15:16

Tgt Ion: 70 Resp: 166002  
Ion Ratio Lower Upper  
70 100  
42 47.7 45.9 68.9  
101 0.0 8.0 12.0#  
130 2.4 18.0 27.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.345 min Scan# 1064

Delta R.T. -0.006 min

Lab File: BF137735.D

Acq: 26 Apr 2024 15:16

Instrument :

BNA\_F

ClientSampleId :

B-131-GW-01

Tgt Ion:136 Resp: 1035157

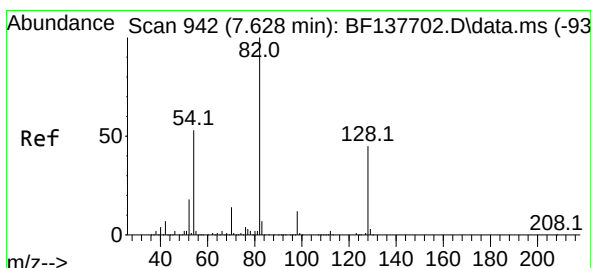
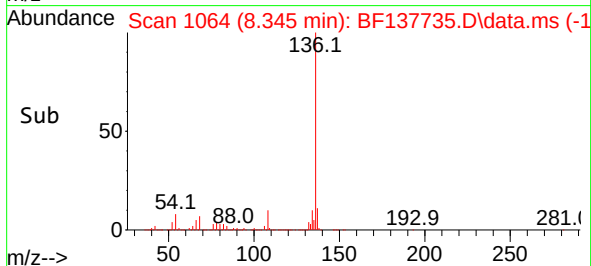
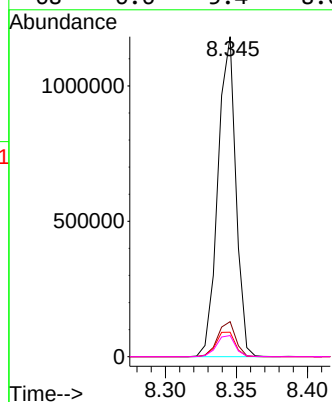
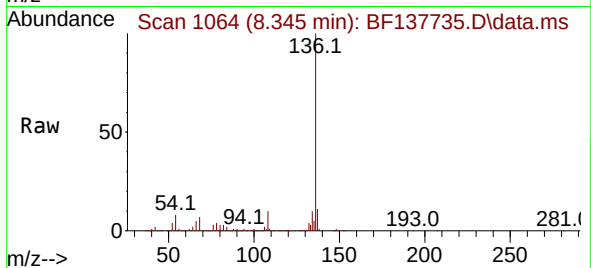
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 7.7 6.9 10.3

68 6.6 5.4 8.0



#23

Nitrobenzene-d5

Concen: 64.191 ng

RT: 7.622 min Scan# 941

Delta R.T. -0.006 min

Lab File: BF137735.D

Acq: 26 Apr 2024 15:16

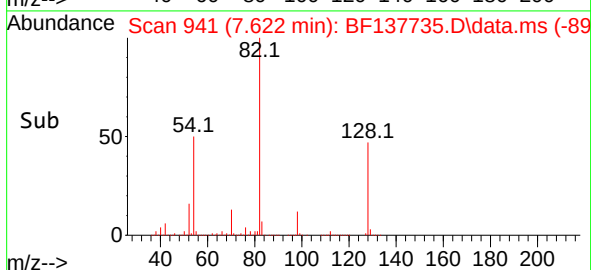
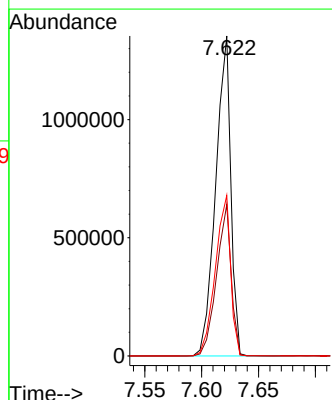
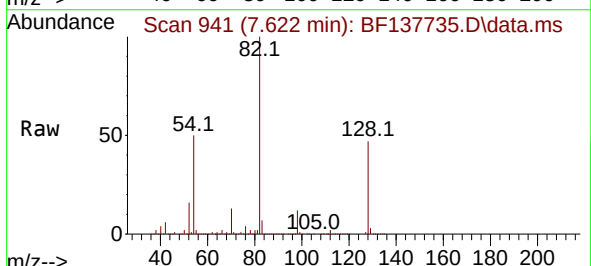
Tgt Ion: 82 Resp: 1251771

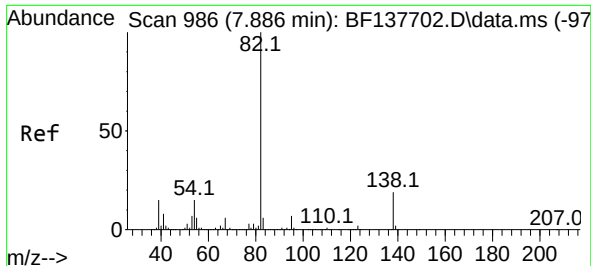
Ion Ratio Lower Upper

82 100

128 47.3 35.8 53.6

54 50.1 42.5 63.7

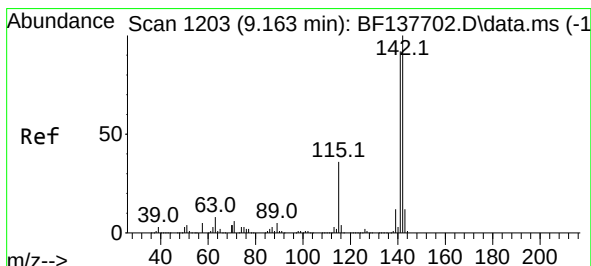
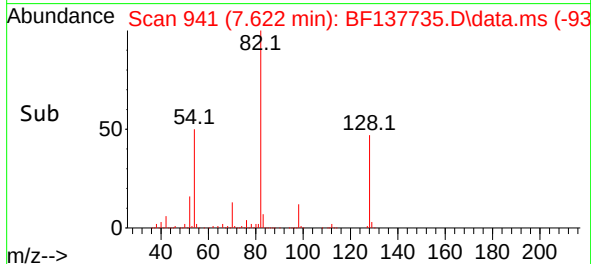
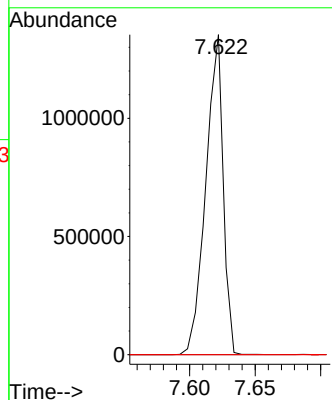
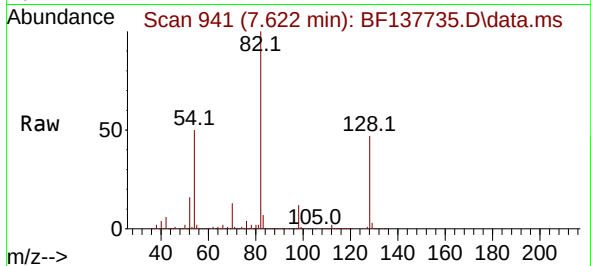




#25  
Isophorone  
Concen: 34.481 ng  
RT: 7.622 min Scan# 941  
Delta R.T. -0.264 min  
Lab File: BF137735.D  
Acq: 26 Apr 2024 15:16

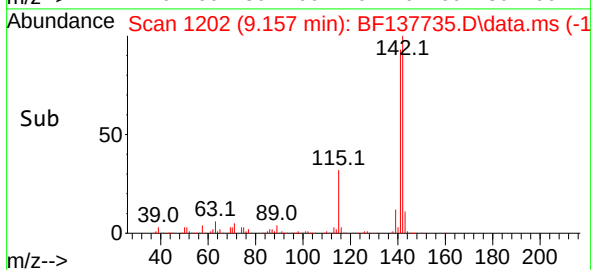
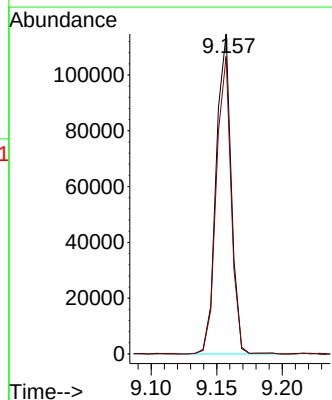
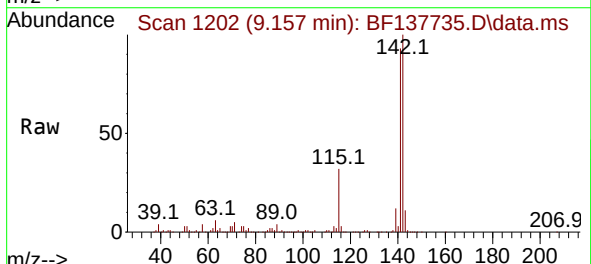
Instrument :  
BNA\_F  
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B-131-GW-01

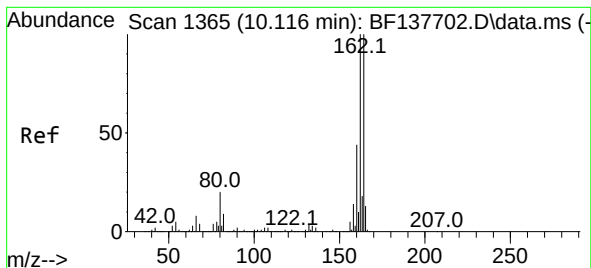
Tgt Ion: 82 Resp: 1248810  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 15.3 22.9#



#38  
1-Methylnaphthalene  
Concen: 2.691 ng  
RT: 9.157 min Scan# 1202  
Delta R.T. -0.006 min  
Lab File: BF137735.D  
Acq: 26 Apr 2024 15:16

Tgt Ion: 142 Resp: 91219  
Ion Ratio Lower Upper  
142 100  
141 93.0 73.4 110.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.104 min Scan# 1363

Delta R.T. -0.012 min

Lab File: BF137735.D

Acq: 26 Apr 2024 15:16

Instrument :

BNA\_F

ClientSampleId :

B-131-GW-01

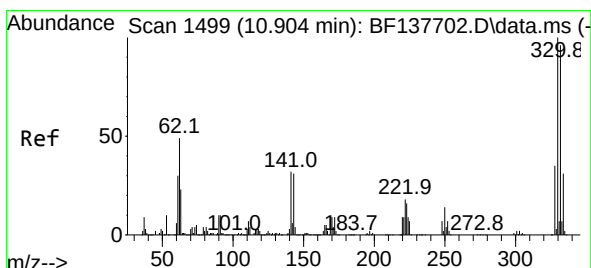
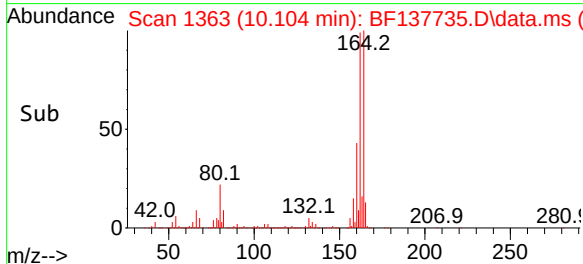
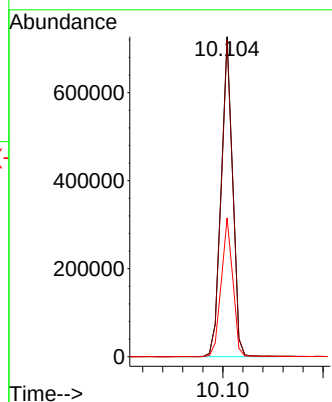
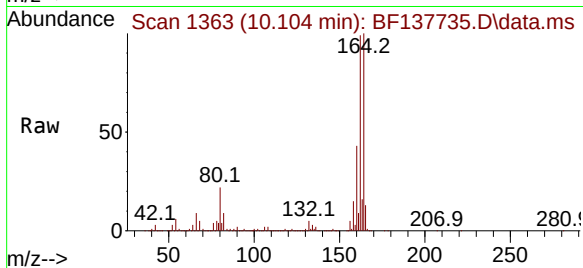
Tgt Ion:164 Resp: 578632

Ion Ratio Lower Upper

164 100

162 98.9 80.3 120.5

160 43.4 35.0 52.4



#42

2,4,6-Tribromophenol

Concen: 91.569 ng

RT: 10.898 min Scan# 1498

Delta R.T. -0.006 min

Lab File: BF137735.D

Acq: 26 Apr 2024 15:16

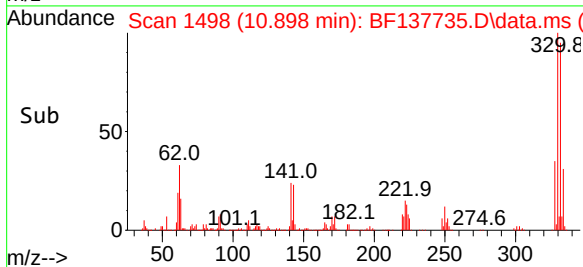
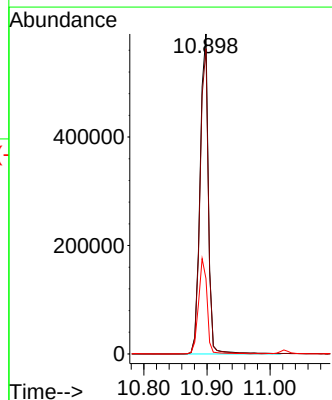
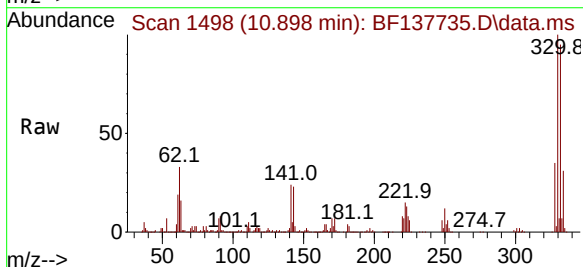
Tgt Ion:330 Resp: 534657

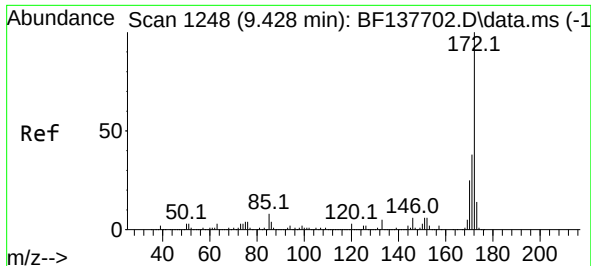
Ion Ratio Lower Upper

330 100

332 96.1 77.1 115.7

141 31.1 27.0 40.4

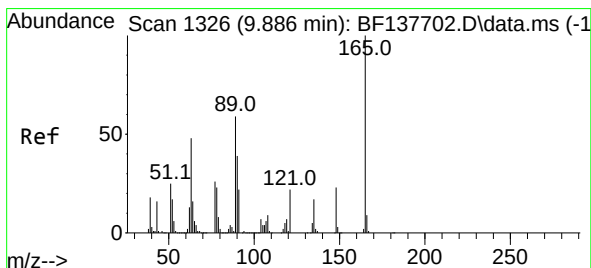
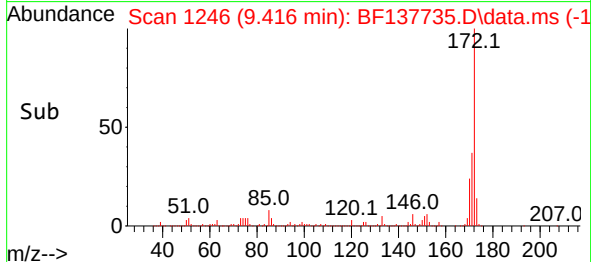
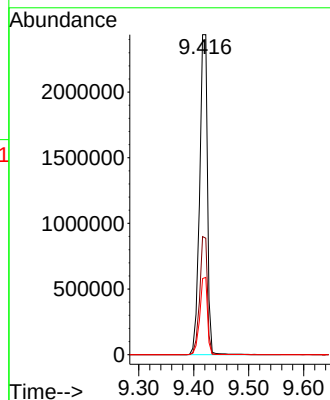
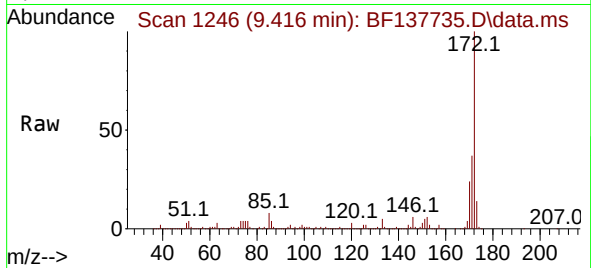




#45  
 2-Fluorobiphenyl  
 Concen: 62.752 ng  
 RT: 9.416 min Scan# 11  
 Delta R.T. -0.012 min  
 Lab File: BF137735.D  
 Acq: 26 Apr 2024 15:16

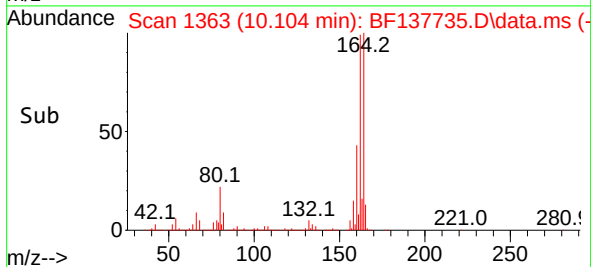
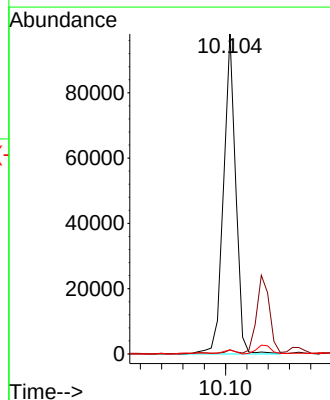
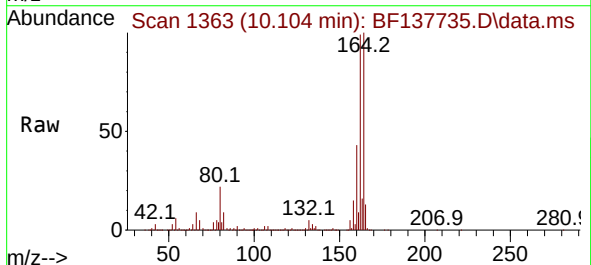
Instrument :  
 BNA\_F  
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 B-131-GW-01

Tgt Ion:172 Resp: 2430060  
 Ion Ratio Lower Upper  
 172 100  
 171 36.9 30.2 45.4  
 170 23.8 20.2 30.4

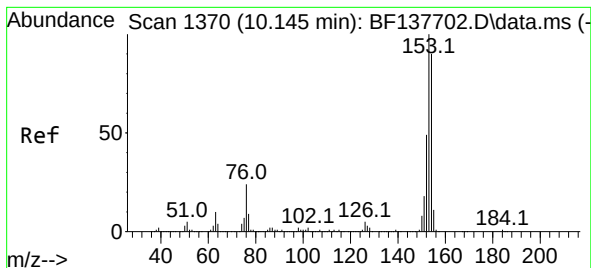


#51  
 2,6-Dinitrotoluene  
 Concen: 9.138 ng  
 RT: 10.104 min Scan# 1363  
 Delta R.T. 0.218 min  
 Lab File: BF137735.D  
 Acq: 26 Apr 2024 15:16

Tgt Ion:165 Resp: 77623  
 Ion Ratio Lower Upper  
 165 100  
 63 1.2 47.7 71.5#  
 89 1.3 47.3 70.9#







#52

Acenaphthene

Concen: 7.096 ng

RT: 10.139 min Scan# 1369

Delta R.T. -0.006 min

Lab File: BF137735.D

Acq: 26 Apr 2024 15:16

Instrument :

BNA\_F

ClientSampleId :

B-131-GW-01

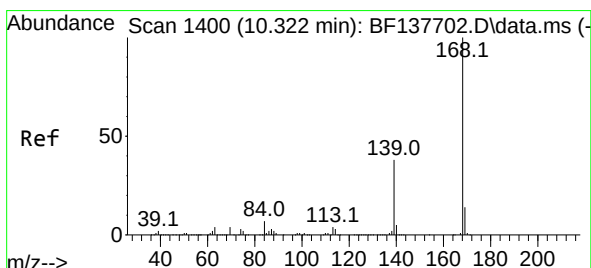
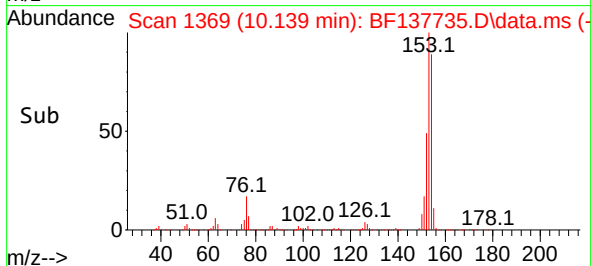
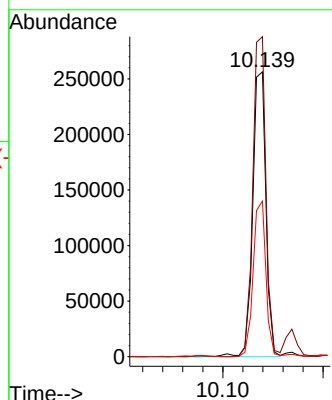
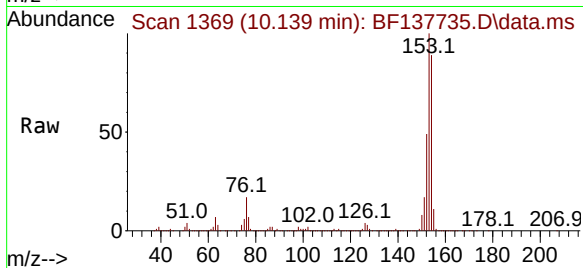
Tgt Ion:154 Resp: 232503

Ion Ratio Lower Upper

154 100

153 112.4 88.5 132.7

152 54.6 43.3 64.9



#55

Dibenzofuran

Concen: 3.975 ng

RT: 10.310 min Scan# 1398

Delta R.T. -0.012 min

Lab File: BF137735.D

Acq: 26 Apr 2024 15:16

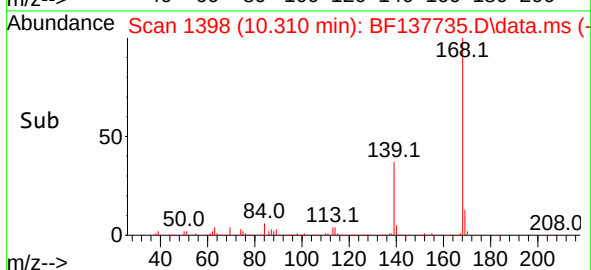
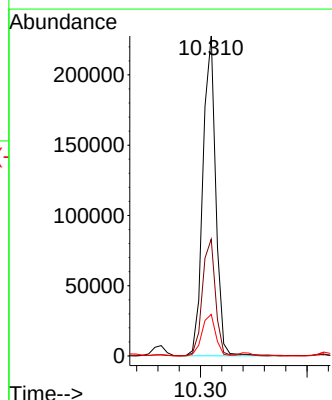
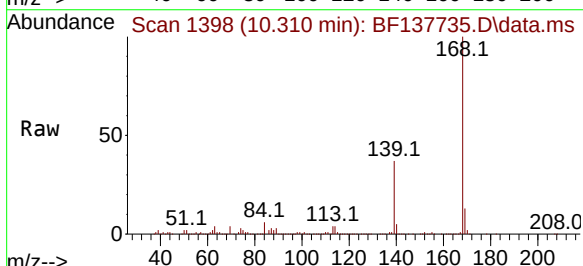
Tgt Ion:168 Resp: 190902

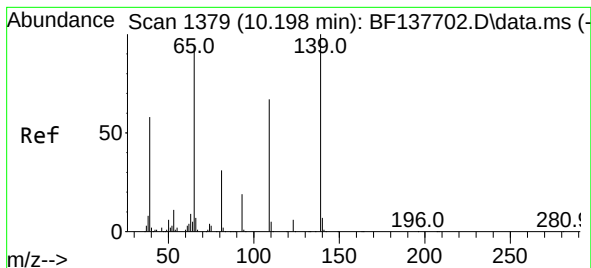
Ion Ratio Lower Upper

168 100

139 36.5 30.1 45.1

169 13.0 10.9 16.3

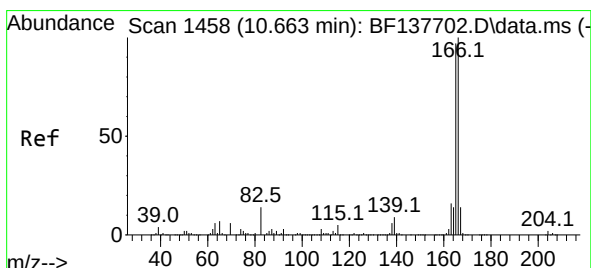
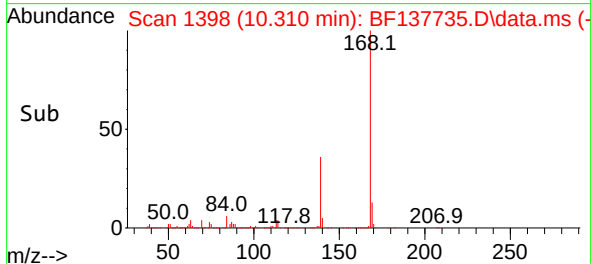
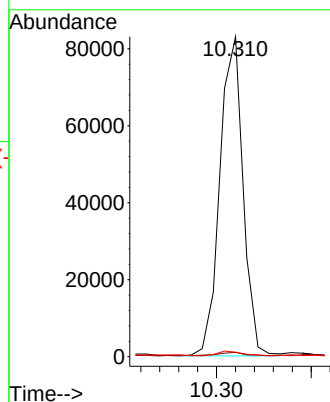
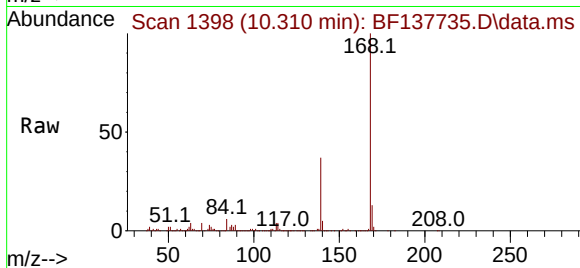




#56  
4-Nitrophenol  
Concen: 9.509 ng  
RT: 10.310 min Scan# 1398  
Delta R.T. 0.112 min  
Lab File: BF137735.D  
Acq: 26 Apr 2024 15:16

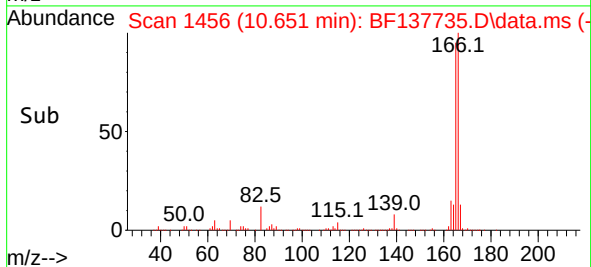
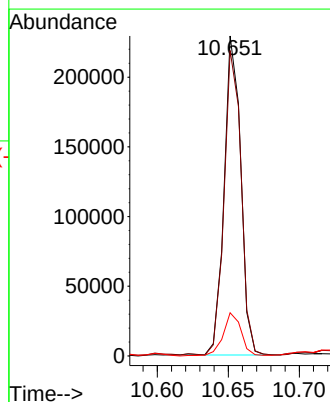
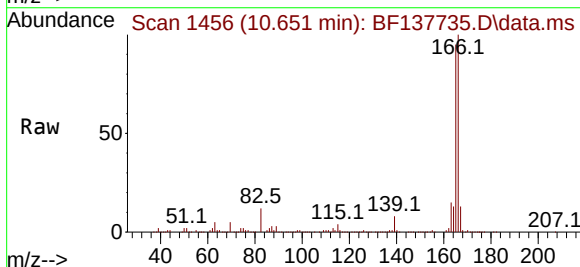
Instrument :  
BNA\_F  
ClientSampleId :  
B-131-GW-01

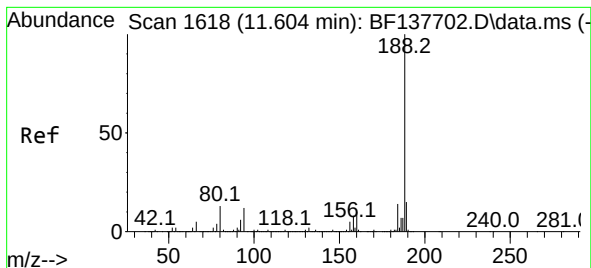
Tgt Ion:139 Resp: 70590  
Ion Ratio Lower Upper  
139 100  
109 1.3 46.9 86.9#  
65 1.4 75.8 115.8#



#58  
Fluorene  
Concen: 4.953 ng  
RT: 10.651 min Scan# 1456  
Delta R.T. -0.012 min  
Lab File: BF137735.D  
Acq: 26 Apr 2024 15:16

Tgt Ion:166 Resp: 185897  
Ion Ratio Lower Upper  
166 100  
165 95.4 77.8 116.6  
167 13.5 10.8 16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.598 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137735.D

Acq: 26 Apr 2024 15:16

Instrument :

BNA\_F

ClientSampleId :

B-131-GW-01

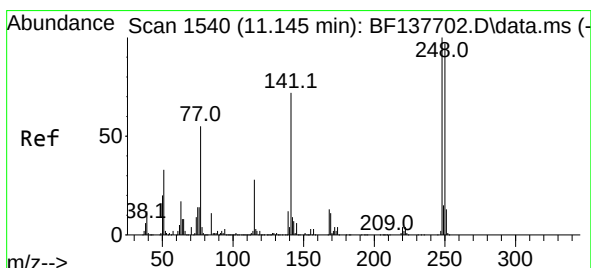
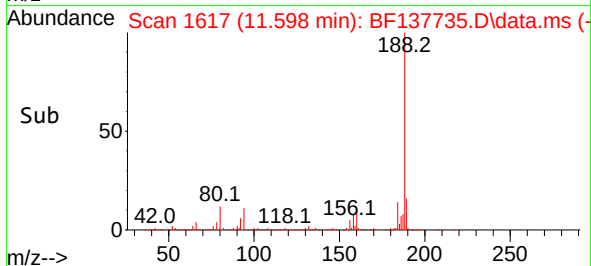
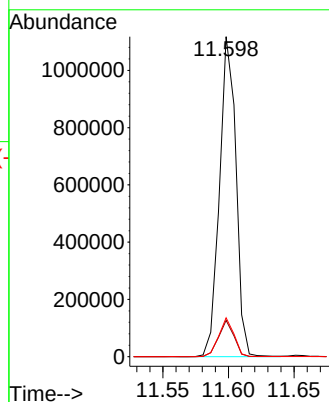
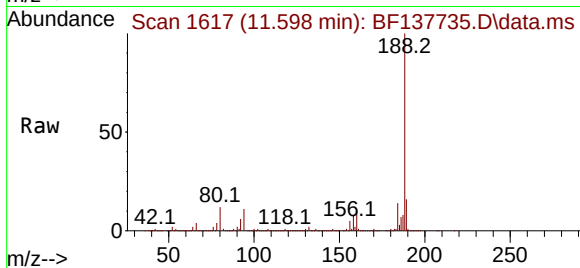
Tgt Ion:188 Resp: 973877

Ion Ratio Lower Upper

188 100

94 11.3 9.4 14.2

80 12.2 10.2 15.4



#67

4-Bromophenyl-phenylether

Concen: 3.034 ng

RT: 10.898 min Scan# 1498

Delta R.T. -0.247 min

Lab File: BF137735.D

Acq: 26 Apr 2024 15:16

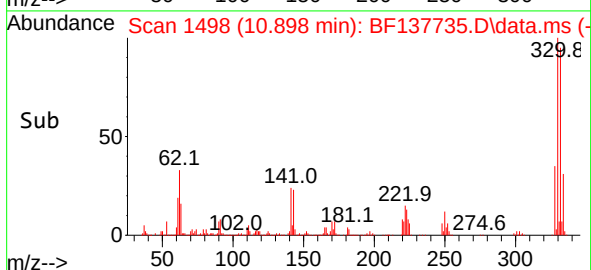
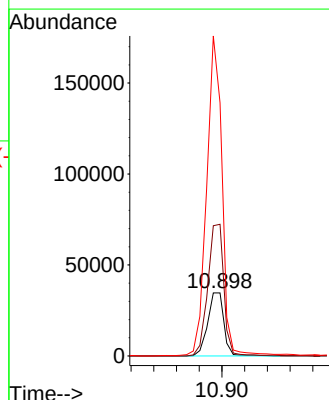
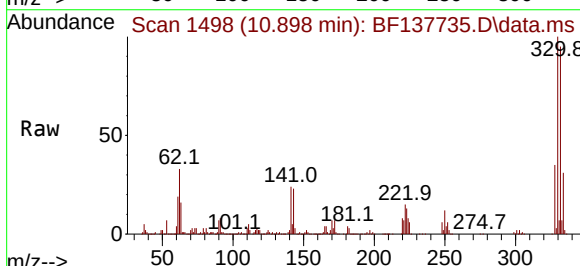
Tgt Ion:248 Resp: 34235

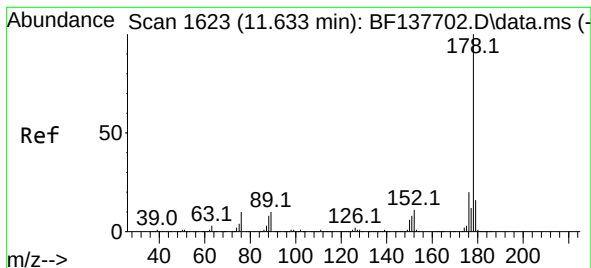
Ion Ratio Lower Upper

248 100

250 208.6 77.4 116.0#

141 401.0 57.9 86.9#

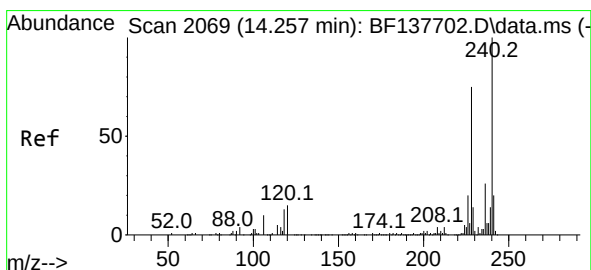
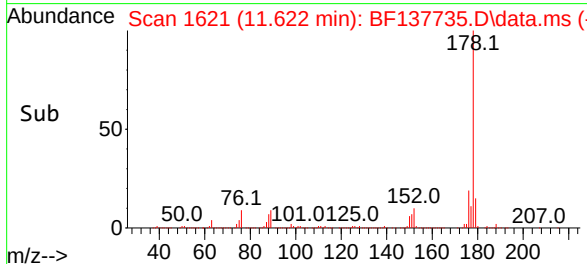
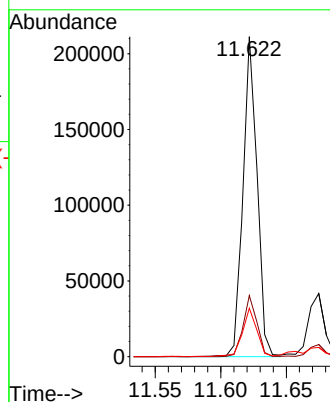
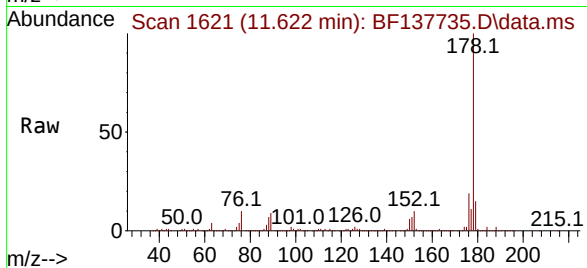




#71  
Phenanthrene  
Concen: 3.076 ng  
RT: 11.622 min Scan# 1  
Delta R.T. -0.012 min  
Lab File: BF137735.D  
Acq: 26 Apr 2024 15:16

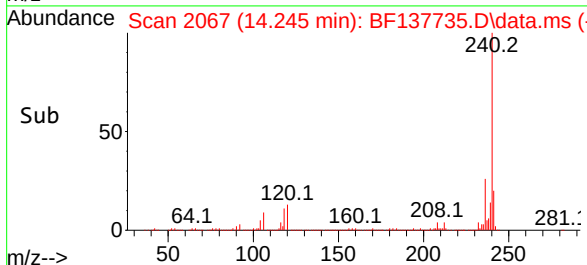
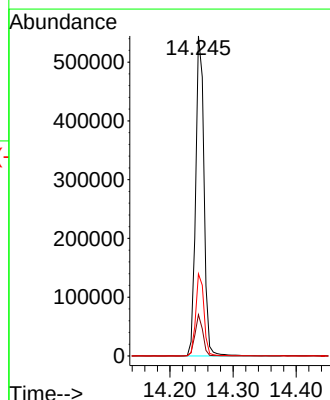
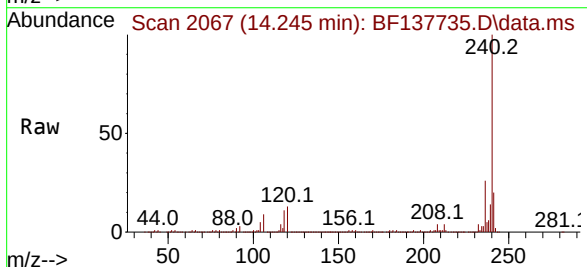
Instrument :  
BNA\_F  
ClientSampleId :  
B-131-GW-01

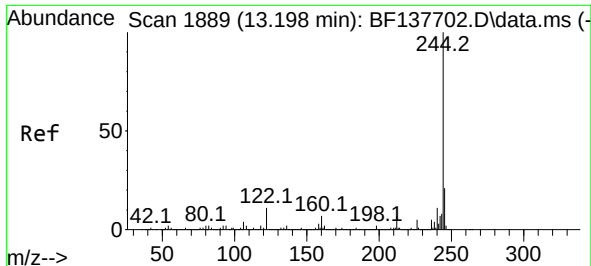
Tgt Ion:178 Resp: 158574  
Ion Ratio Lower Upper  
178 100  
176 19.1 16.4 24.6  
179 15.2 12.8 19.2



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.245 min Scan# 2067  
Delta R.T. -0.012 min  
Lab File: BF137735.D  
Acq: 26 Apr 2024 15:16

Tgt Ion:240 Resp: 496435  
Ion Ratio Lower Upper  
240 100  
120 12.9 11.9 17.9  
236 25.7 20.8 31.2

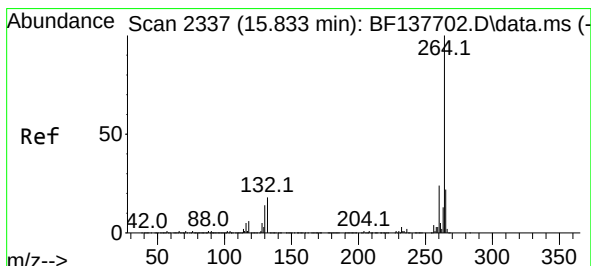
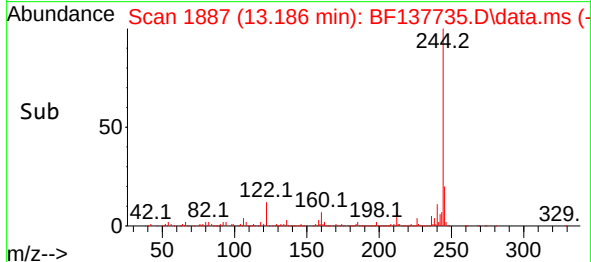
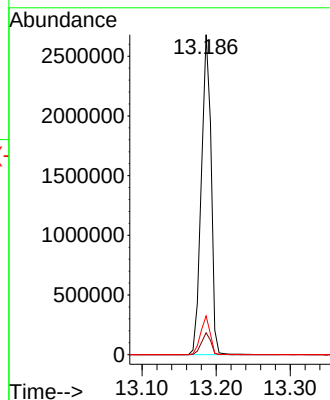
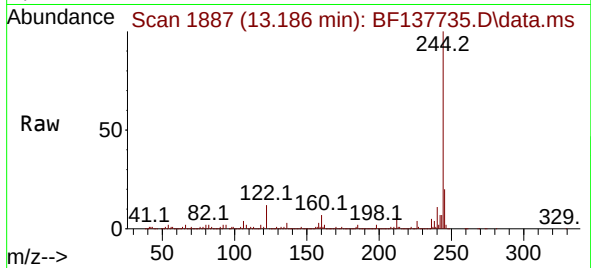




#79  
 Terphenyl-d14  
 Concen: 79.614 ng  
 RT: 13.186 min Scan# 1887  
 Delta R.T. -0.012 min  
 Lab File: BF137735.D  
 Acq: 26 Apr 2024 15:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-131-GW-01

Tgt Ion:244 Resp: 2455536  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.5 8.3  
 122 12.1 8.8 13.2



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.821 min Scan# 2335  
 Delta R.T. -0.012 min  
 Lab File: BF137735.D  
 Acq: 26 Apr 2024 15:16

Tgt Ion:264 Resp: 495411  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 19.4 29.2  
 265 21.2 17.5 26.3

