

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061724\  
 Data File : BF138213.D  
 Acq On : 17 Jun 2024 19:27  
 Operator : CG\JU  
 Sample : P2848-05  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PE-4(0-0.5)

Quant Time: Jun 18 00:54:48 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061224.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 13 01:52:47 2024  
 Response via : Initial Calibration

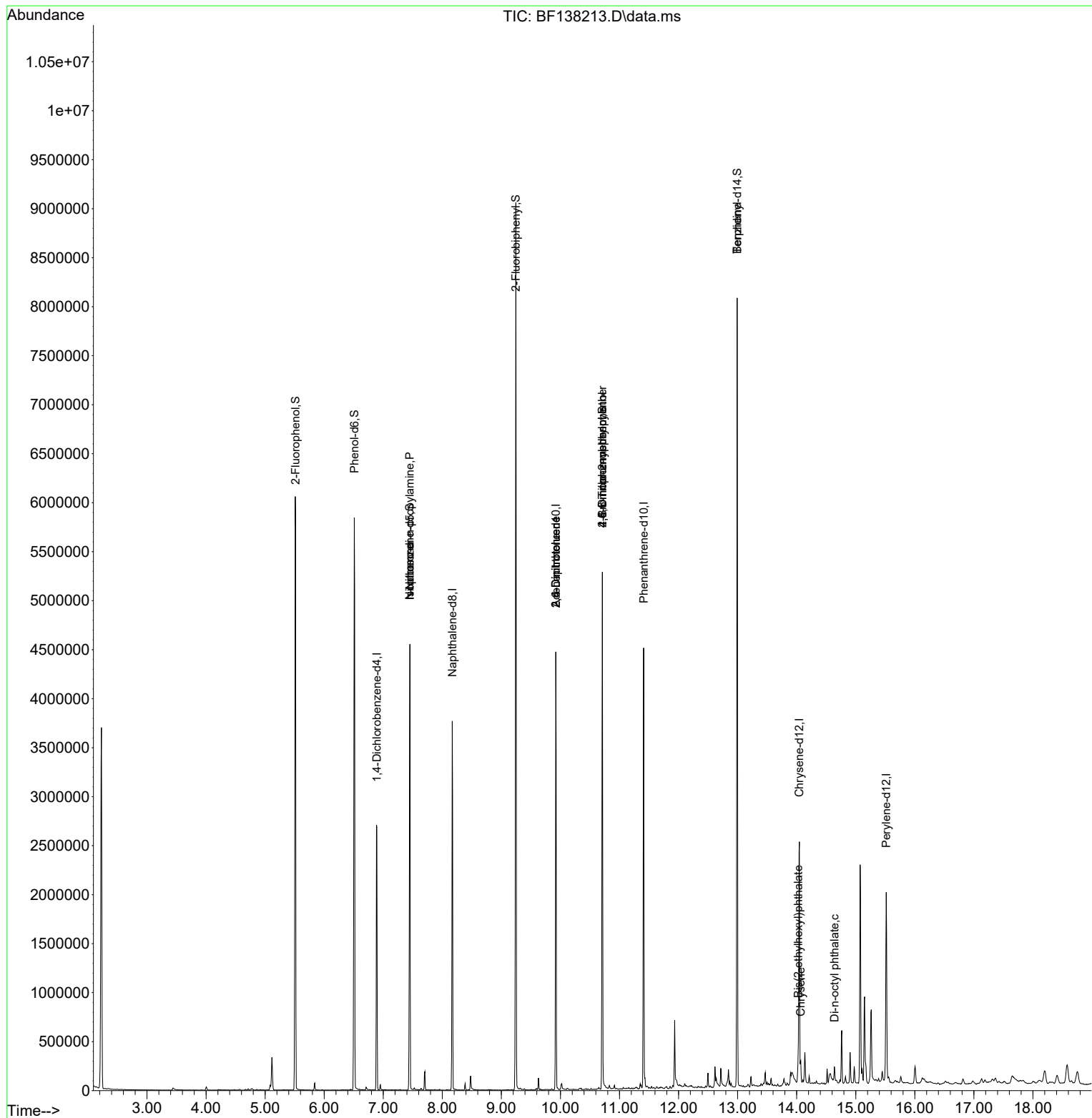
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.892  | 152  | 420163   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 1615198  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.922  | 164  | 879464   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 1504179  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 815079   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.515 | 264  | 869912   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.516  | 112  | 1851017  | 73.696 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 2284351  | 71.724 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 1362694  | 49.115 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 621569   | 70.994 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 2628955  | 47.534 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 2643391  | 51.365 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.451  | 70   | 181784   | 9.629  | ng    | # 78     |
| 25) Isophorone                | 7.451  | 82   | 1359439  | 27.089 | ng    | # 62     |
| 51) 2,6-Dinitrotoluene        | 9.922  | 165  | 116938   | 10.003 | ng    | # 25     |
| 57) 2,4-Dinitrotoluene        | 9.922  | 165  | 116938   | 8.110  | ng    | # 31     |
| 65) 4,6-Dinitro-2-methylph... | 10.710 | 198  | 1321     | 7.082  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.710 | 248  | 39637    | 2.339  | ng    | # 1      |
| 77) Benzidine                 | 12.992 | 184  | 34305    | 3.639  | ng    | # 94     |
| 83) Chrysene                  | 14.068 | 228  | 105576   | 2.118  | ng    | 96       |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149  | 44690    | 2.009  | ng    | 96       |
| 85) Di-n-octyl phthalate      | 14.639 | 149  | 81352    | 2.462  | ng    | # 81     |
| -----                         |        |      |          |        |       |          |

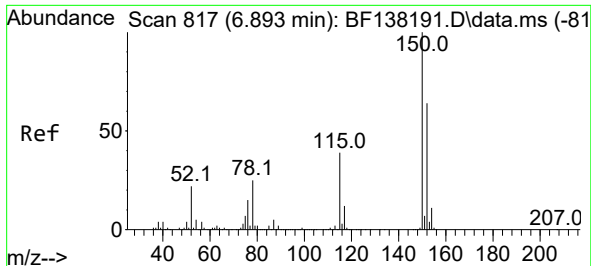
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061724\  
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Sample : P2848-05  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PE-4(0-0.5)

Quant Time: Jun 18 00:54:48 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061224.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 13 01:52:47 2024  
Response via : Initial Calibration

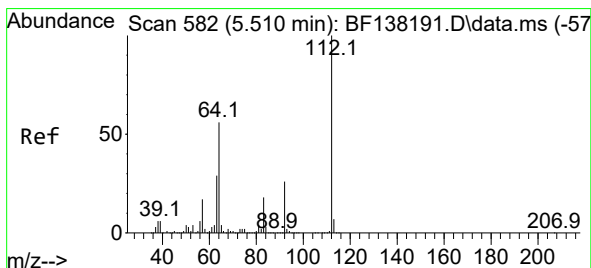
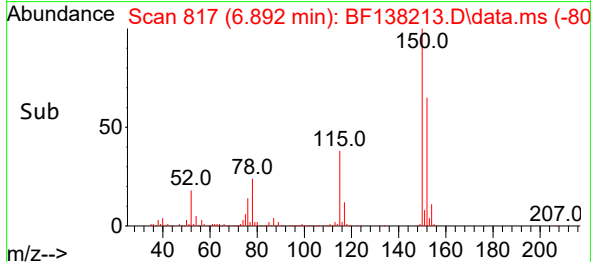
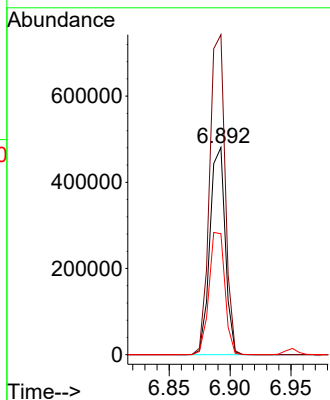
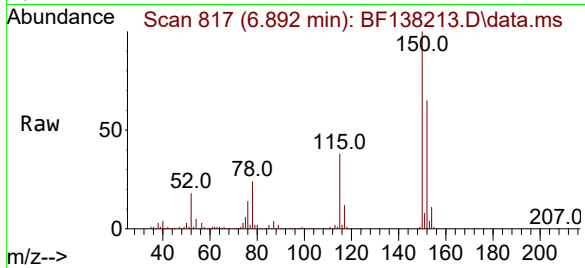




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.892 min Scan# 817  
Delta R.T. -0.001 min  
Lab File: BF138213.D  
Acq: 17 Jun 2024 19:27

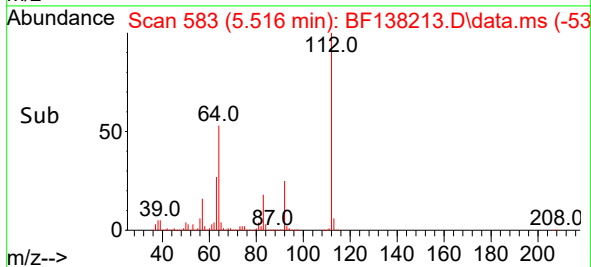
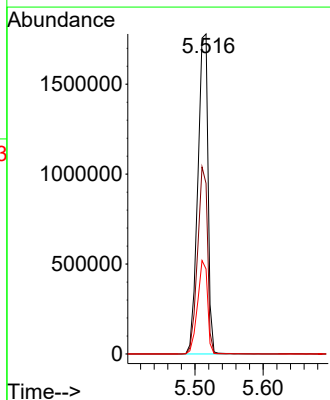
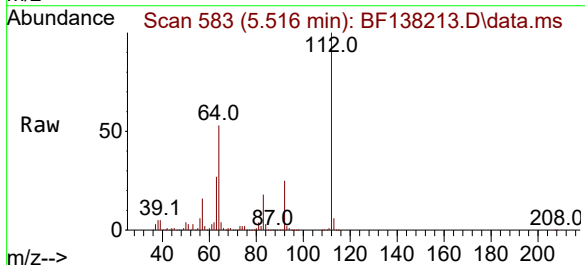
Instrument :  
BNA\_F  
ClientSampleId :  
PE-4(0-0.5)

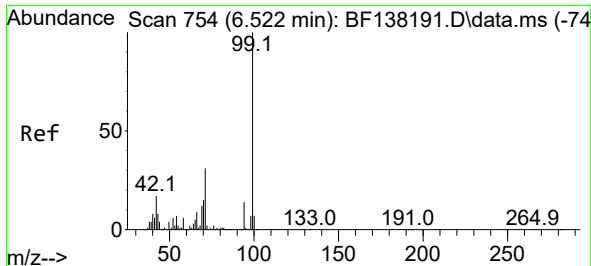
Tgt Ion:152 Resp: 420163  
Ion Ratio Lower Upper  
152 100  
150 154.4 125.0 187.4  
115 58.4 48.4 72.6



#5  
2-Fluorophenol  
Concen: 73.696 ng  
RT: 5.516 min Scan# 583  
Delta R.T. 0.006 min  
Lab File: BF138213.D  
Acq: 17 Jun 2024 19:27

Tgt Ion:112 Resp: 1851017  
Ion Ratio Lower Upper  
112 100  
64 53.3 45.2 67.8  
63 26.6 22.9 34.3

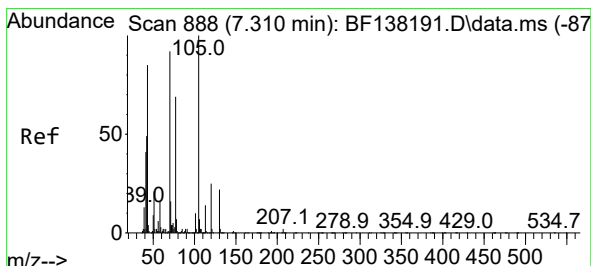
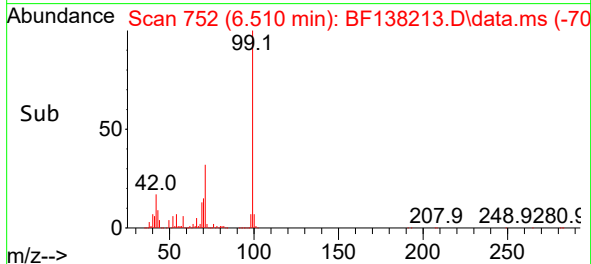
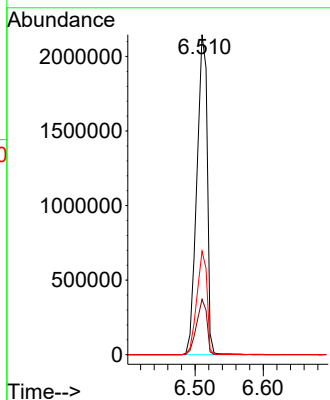
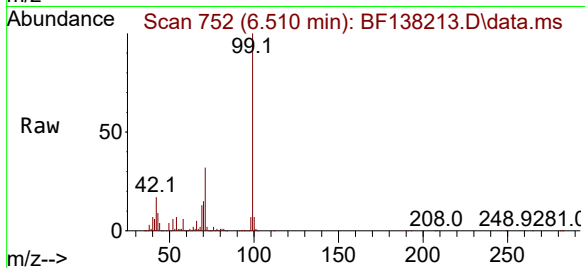




#7  
Phenol-d6  
Concen: 71.724 ng  
RT: 6.510 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF138213.D  
Acq: 17 Jun 2024 19:27

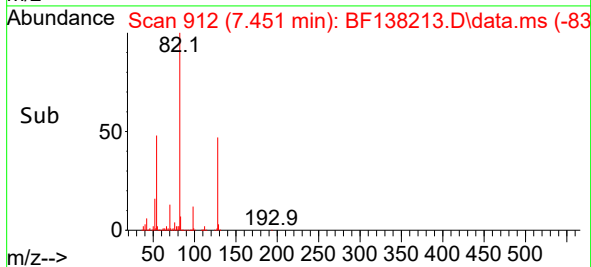
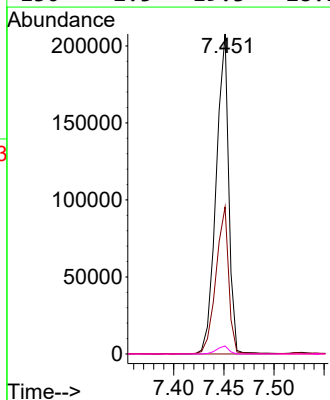
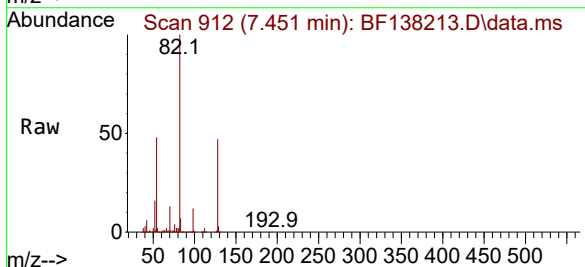
Instrument :  
BNA\_F  
ClientSampleId :  
PE-4(0-0.5)

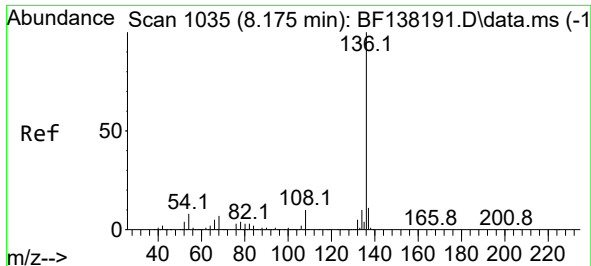
Tgt Ion: 99 Resp: 2284351  
Ion Ratio Lower Upper  
99 100  
42 17.3 13.7 20.5  
71 32.3 25.0 37.6



#19  
n-Nitroso-di-n-propylamine  
Concen: 9.629 ng  
RT: 7.451 min Scan# 912  
Delta R.T. 0.141 min  
Lab File: BF138213.D  
Acq: 17 Jun 2024 19:27

Tgt Ion: 70 Resp: 181784  
Ion Ratio Lower Upper  
70 100  
42 46.0 42.8 64.2  
101 0.0 8.4 12.6#  
130 2.5 19.3 28.9#

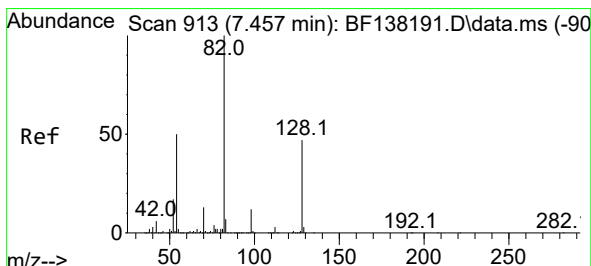
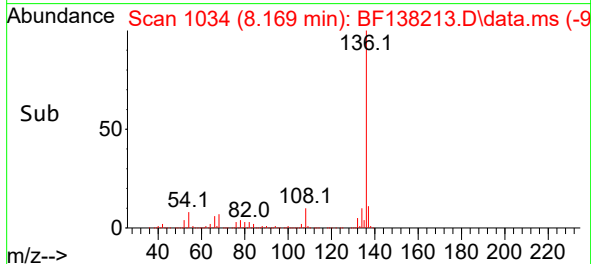
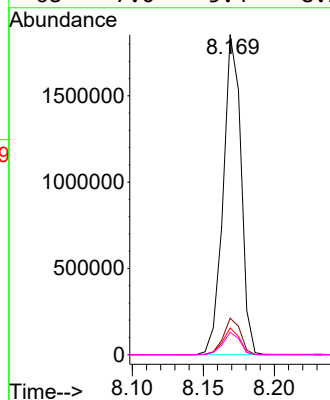
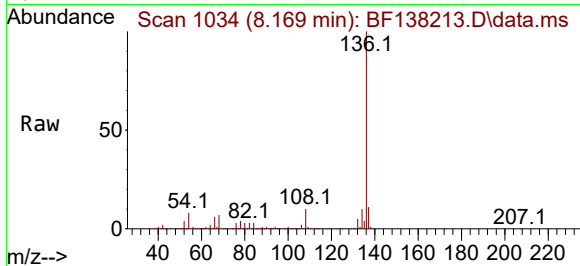




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 1034  
Delta R.T. -0.006 min  
Lab File: BF138213.D  
Acq: 17 Jun 2024 19:27

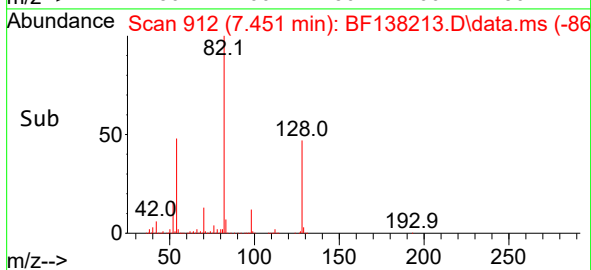
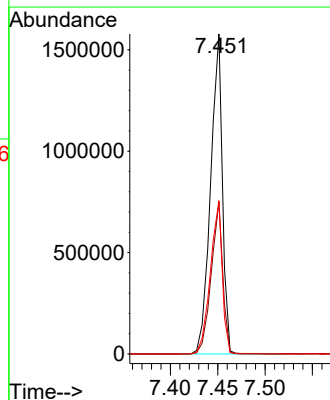
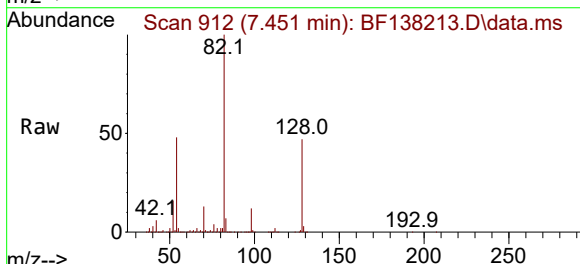
Instrument :  
BNA\_F  
ClientSampleId :  
PE-4(0-0.5)

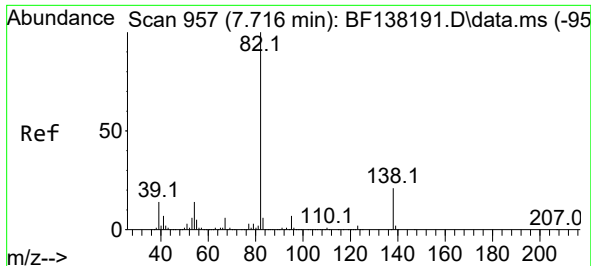
Tgt Ion:136 Resp: 1615198  
Ion Ratio Lower Upper  
136 100  
137 11.4 9.1 13.7  
54 8.4 6.6 10.0  
68 7.0 5.4 8.2



#23  
Nitrobenzene-d5  
Concen: 49.115 ng  
RT: 7.451 min Scan# 912  
Delta R.T. -0.006 min  
Lab File: BF138213.D  
Acq: 17 Jun 2024 19:27

Tgt Ion: 82 Resp: 1362694  
Ion Ratio Lower Upper  
82 100  
128 47.4 37.2 55.8  
54 47.9 39.8 59.6

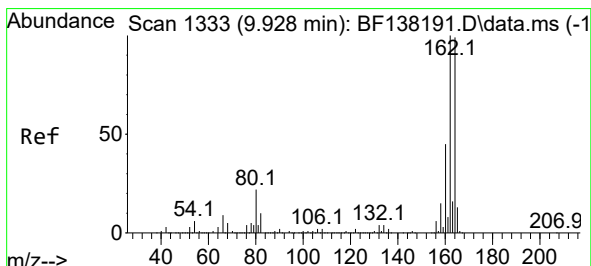
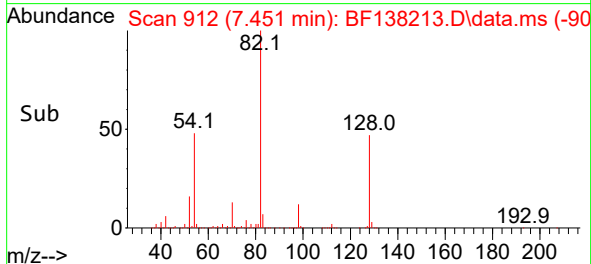
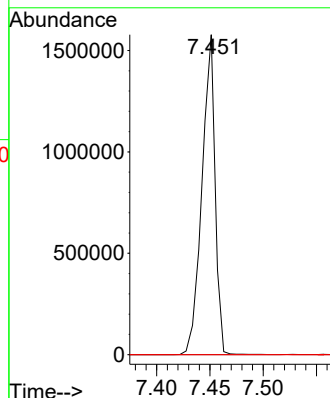
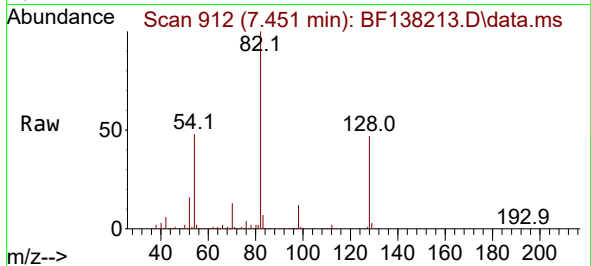




#25  
Isophorone  
Concen: 27.089 ng  
RT: 7.451 min Scan# 91  
Delta R.T. -0.265 min  
Lab File: BF138213.D  
Acq: 17 Jun 2024 19:27

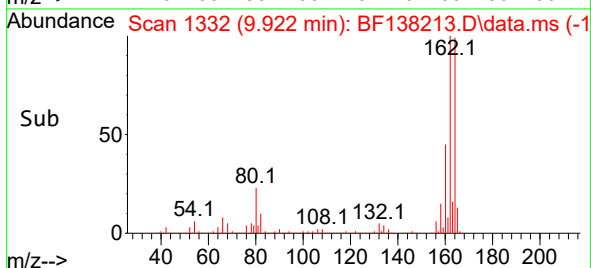
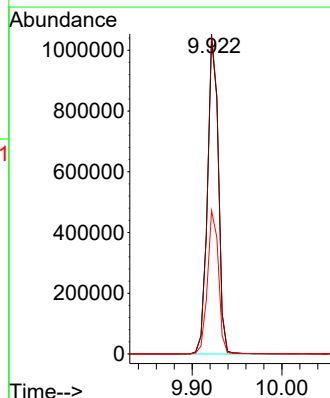
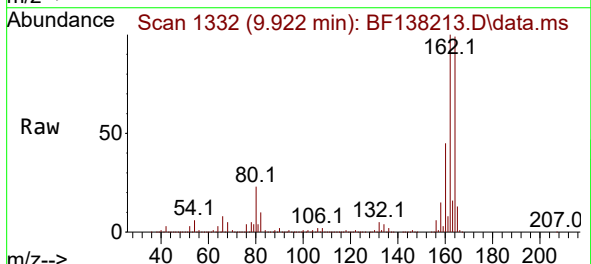
Instrument :  
BNA\_F  
ClientSampleId :  
PE-4(0-0.5)

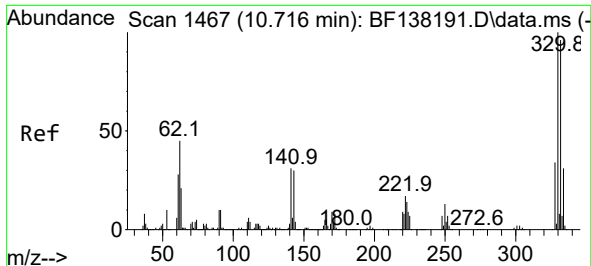
Tgt Ion: 82 Resp: 1359439  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.6 8.4#  
138 0.0 16.4 24.6#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.922 min Scan# 1332  
Delta R.T. -0.006 min  
Lab File: BF138213.D  
Acq: 17 Jun 2024 19:27

Tgt Ion:164 Resp: 879464  
Ion Ratio Lower Upper  
164 100  
162 101.2 80.6 121.0  
160 45.3 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 70.994 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF138213.D

Acq: 17 Jun 2024 19:27

Instrument :

BNA\_F

ClientSampleId :

PE-4(0-0.5)

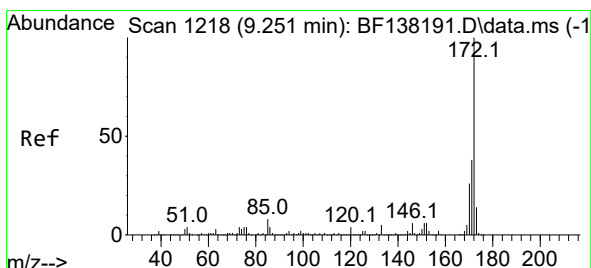
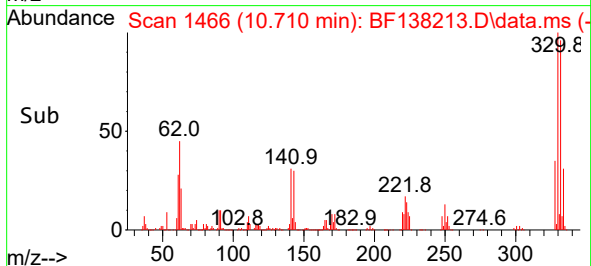
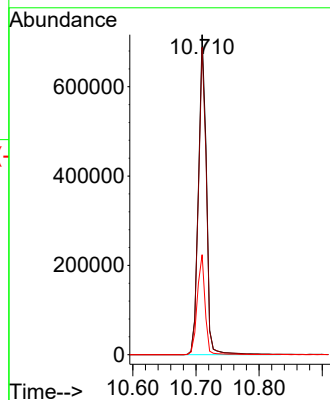
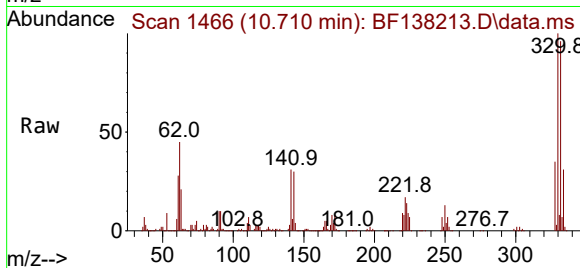
Tgt Ion:330 Resp: 621569

Ion Ratio Lower Upper

330 100

332 96.5 76.6 115.0

141 31.0 23.9 35.9



#45

2-Fluorobiphenyl

Concen: 47.534 ng

RT: 9.245 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF138213.D

Acq: 17 Jun 2024 19:27

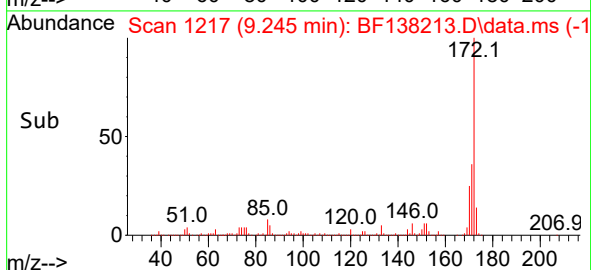
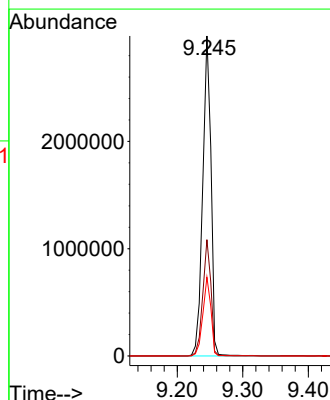
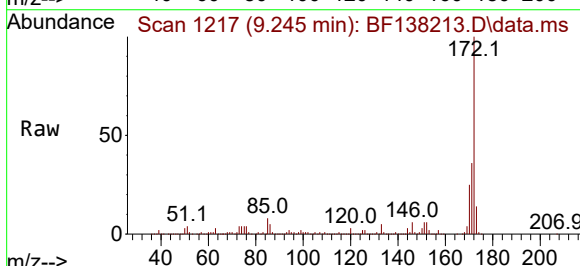
Tgt Ion:172 Resp: 2628955

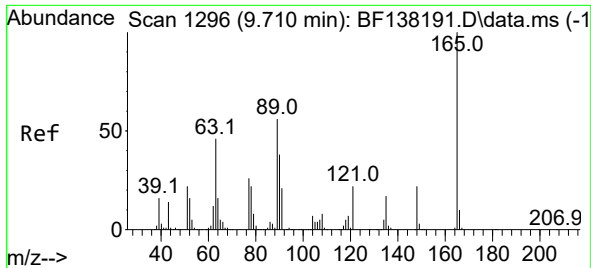
Ion Ratio Lower Upper

172 100

171 36.3 30.3 45.5

170 24.6 20.6 30.8





#51

2,6-Dinitrotoluene

Concen: 10.003 ng

RT: 9.922 min Scan# 1332

Delta R.T. 0.212 min

Lab File: BF138213.D

Acq: 17 Jun 2024 19:27

Instrument :

BNA\_F

ClientSampleId :

PE-4(0-0.5)

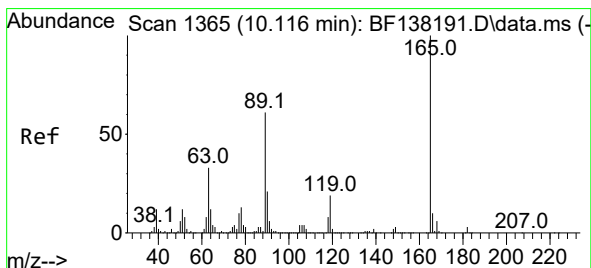
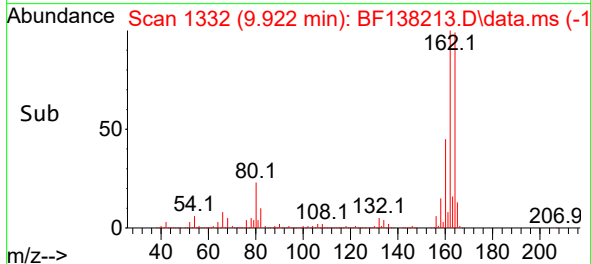
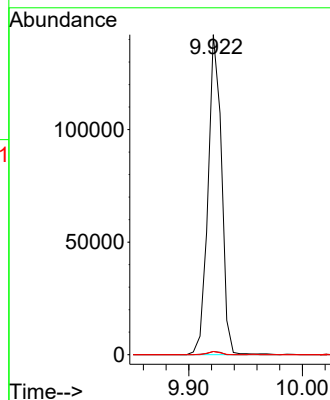
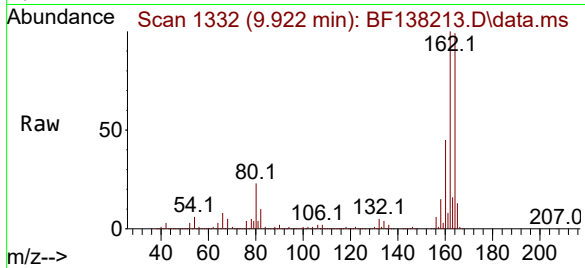
Tgt Ion:165 Resp: 116938

Ion Ratio Lower Upper

165 100

63 1.0 43.7 65.5#

89 1.0 44.9 67.3#



#57

2,4-Dinitrotoluene

Concen: 8.110 ng

RT: 9.922 min Scan# 1332

Delta R.T. -0.194 min

Lab File: BF138213.D

Acq: 17 Jun 2024 19:27

Tgt Ion:165 Resp: 116938

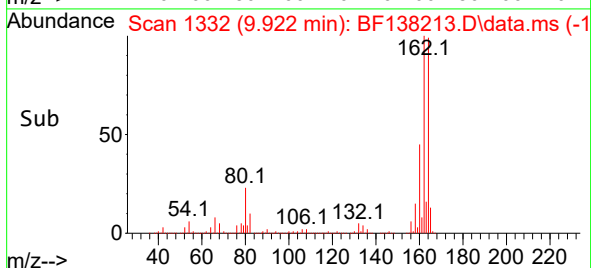
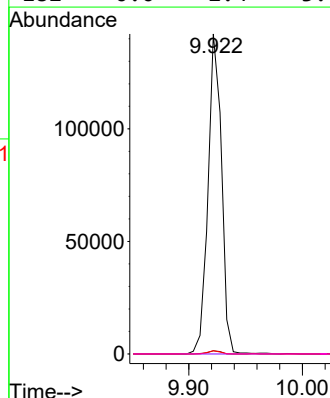
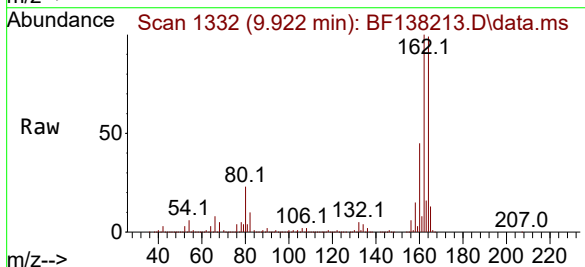
Ion Ratio Lower Upper

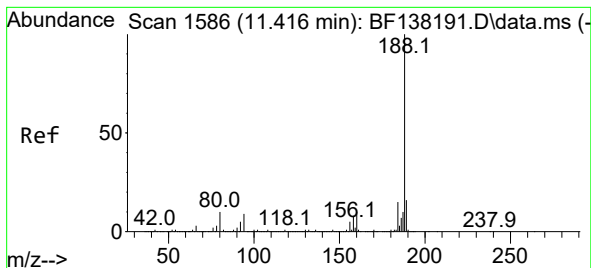
165 100

63 1.0 26.6 39.8#

89 1.0 48.7 73.1#

182 0.0 2.4 3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138213.D

Acq: 17 Jun 2024 19:27

Instrument :

BNA\_F

ClientSampleId :

PE-4(0-0.5)

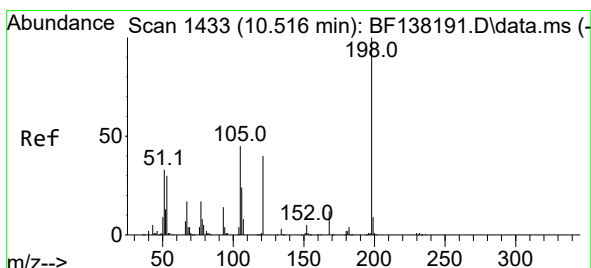
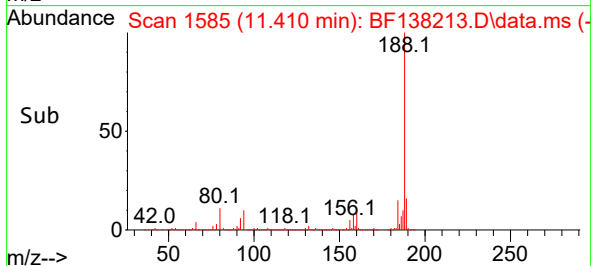
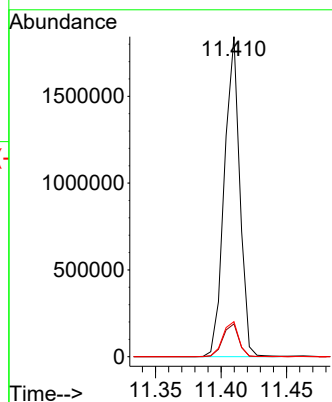
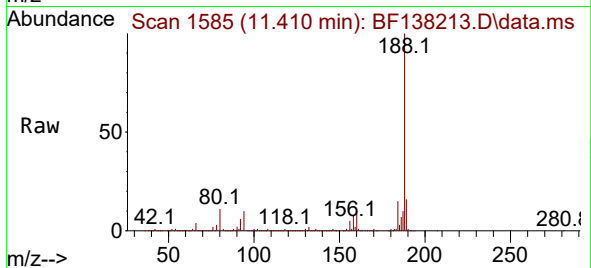
Tgt Ion:188 Resp: 1504179

Ion Ratio Lower Upper

188 100

94 10.3 7.6 11.4

80 10.9 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.082 ng

RT: 10.710 min Scan# 1466

Delta R.T. 0.194 min

Lab File: BF138213.D

Acq: 17 Jun 2024 19:27

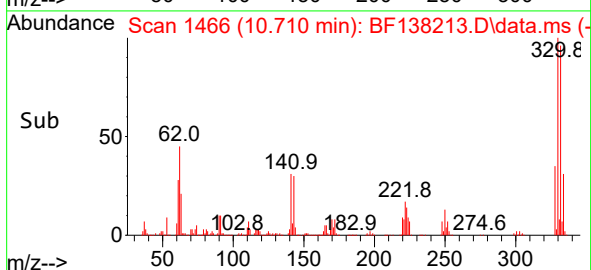
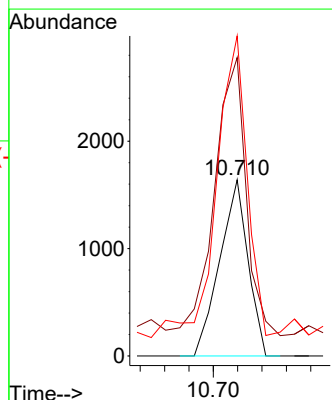
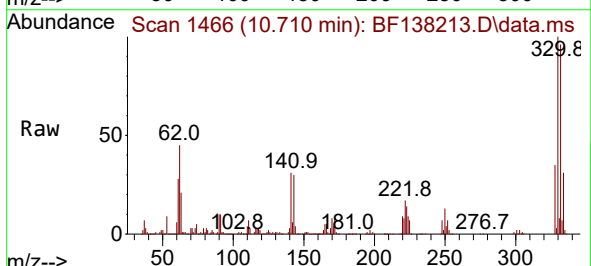
Tgt Ion:198 Resp: 1321

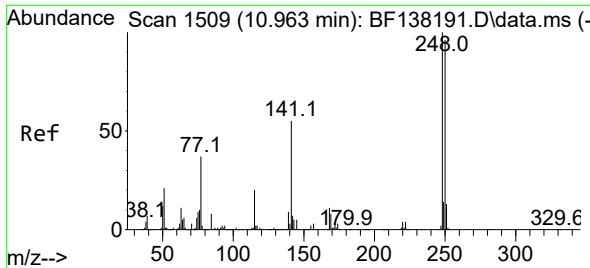
Ion Ratio Lower Upper

198 100

51 169.5 26.9 66.9#

105 181.7 26.0 66.0#

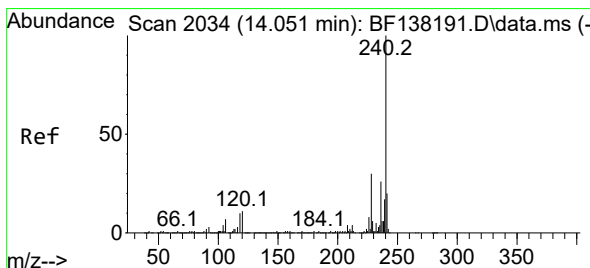
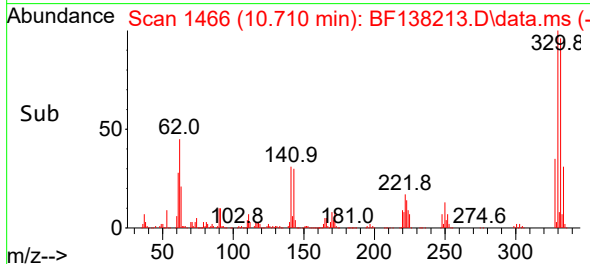
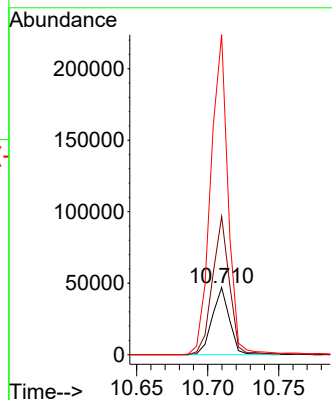
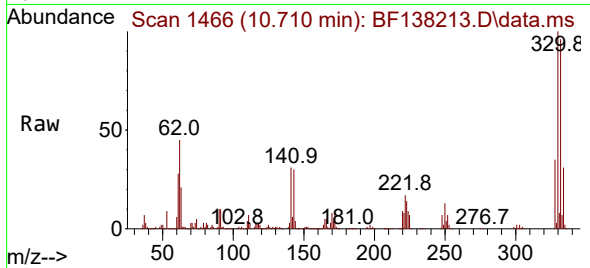




#67  
4-Bromophenyl-phenylether  
Concen: 2.339 ng  
RT: 10.710 min Scan# 1466  
Delta R.T. -0.253 min  
Lab File: BF138213.D  
Acq: 17 Jun 2024 19:27

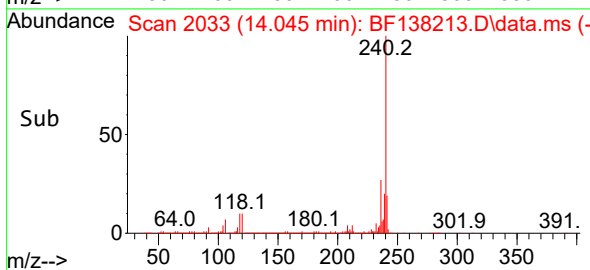
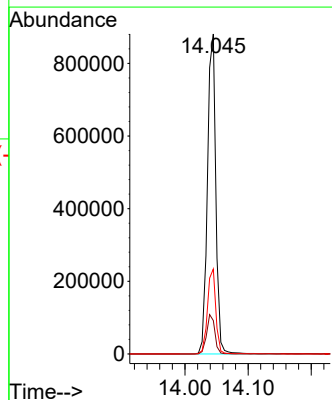
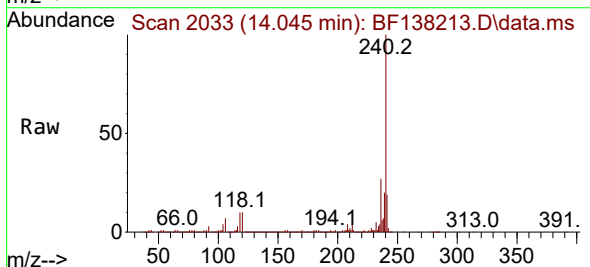
Instrument :  
BNA\_F  
ClientSampleId :  
PE-4(0-0.5)

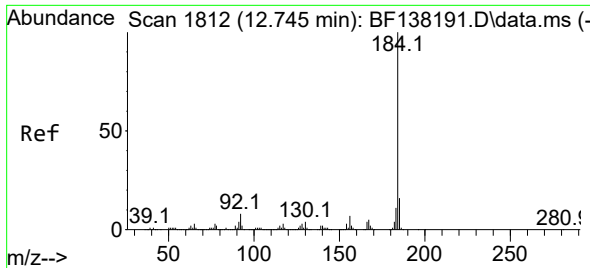
Tgt Ion:248 Resp: 39637  
Ion Ratio Lower Upper  
248 100  
250 205.8 77.2 115.8#  
141 476.5 44.1 66.1#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.045 min Scan# 2033  
Delta R.T. -0.006 min  
Lab File: BF138213.D  
Acq: 17 Jun 2024 19:27

Tgt Ion:240 Resp: 815079  
Ion Ratio Lower Upper  
240 100  
120 10.4 9.2 13.8  
236 26.6 21.0 31.6

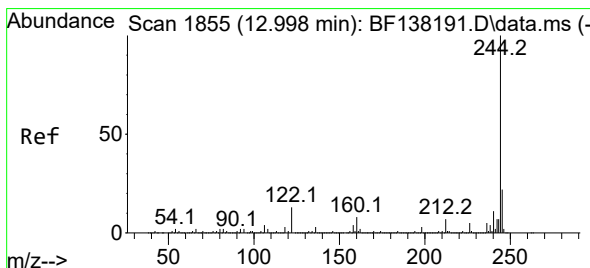
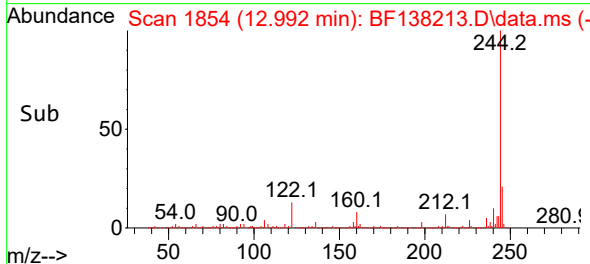
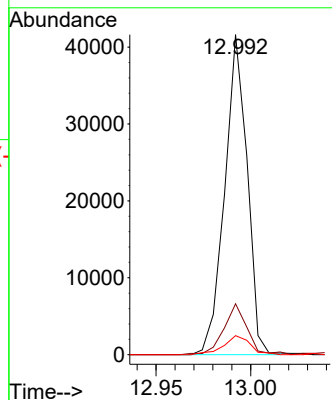
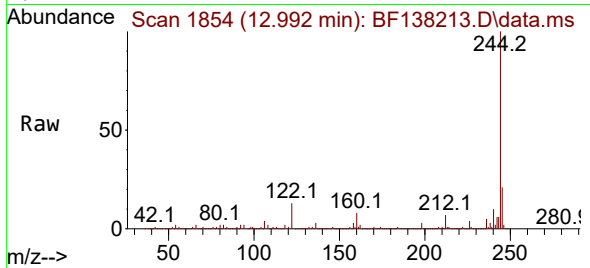




#77  
Benzidine  
Concen: 3.639 ng  
RT: 12.992 min Scan# 1854  
Delta R.T. 0.247 min  
Lab File: BF138213.D  
Acq: 17 Jun 2024 19:27

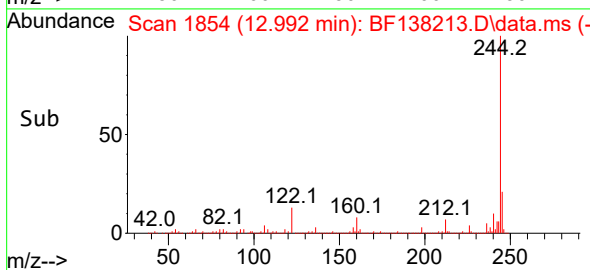
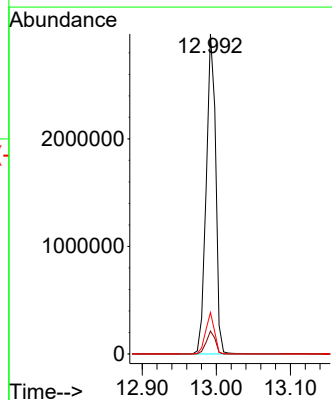
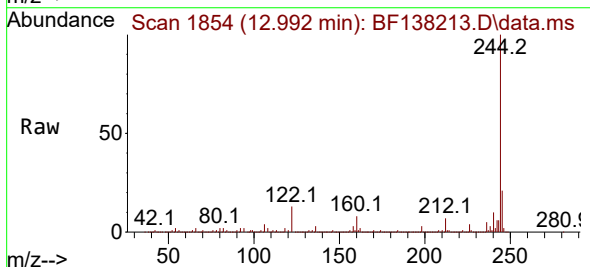
Instrument :  
BNA\_F  
ClientSampleId :  
PE-4(0-0.5)

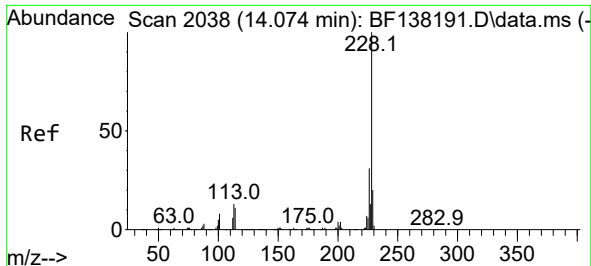
Tgt Ion:184 Resp: 34305  
Ion Ratio Lower Upper  
184 100  
185 15.9 12.6 19.0  
183 6.0 9.0 13.6#



#79  
Terphenyl-d14  
Concen: 51.365 ng  
RT: 12.992 min Scan# 1854  
Delta R.T. -0.006 min  
Lab File: BF138213.D  
Acq: 17 Jun 2024 19:27

Tgt Ion:244 Resp: 2643391  
Ion Ratio Lower Upper  
244 100  
212 7.2 5.9 8.9  
122 13.0 10.6 15.8





#83

Chrysene

Concen: 2.118 ng

RT: 14.068 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF138213.D

Acq: 17 Jun 2024 19:27

Instrument :

BNA\_F

ClientSampleId :

PE-4(0-0.5)

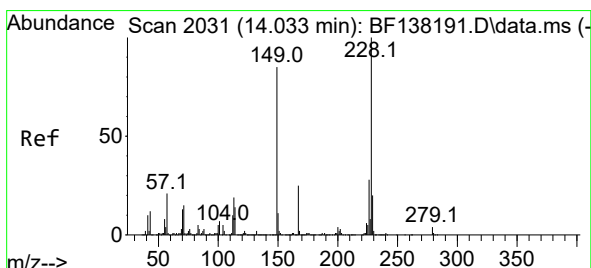
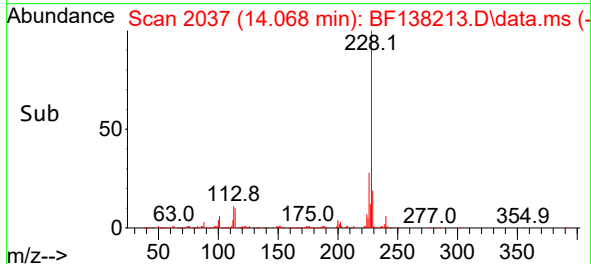
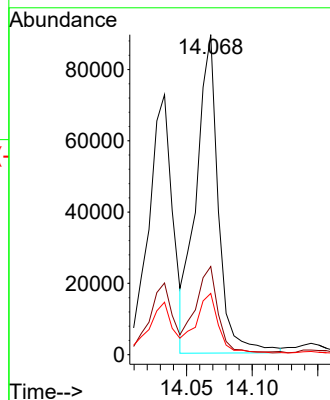
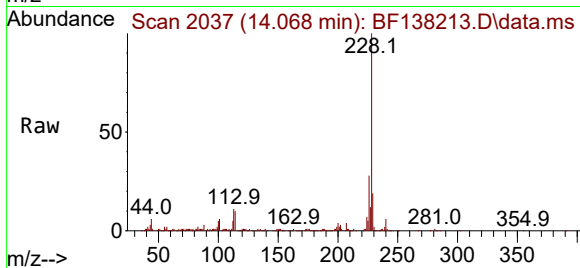
Tgt Ion:228 Resp: 105576

Ion Ratio Lower Upper

228 100

226 27.5 24.5 36.7

229 19.2 16.3 24.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.009 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF138213.D

Acq: 17 Jun 2024 19:27

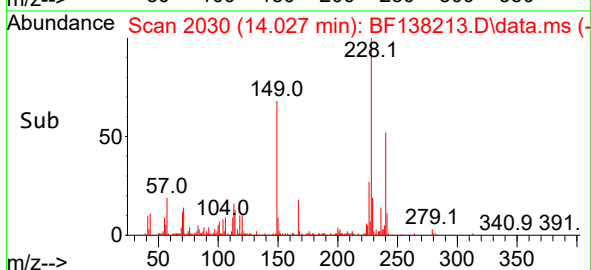
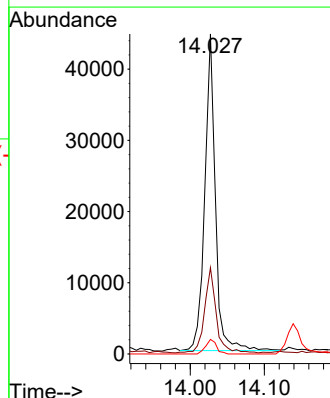
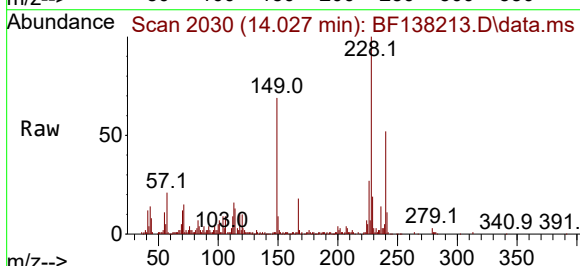
Tgt Ion:149 Resp: 44690

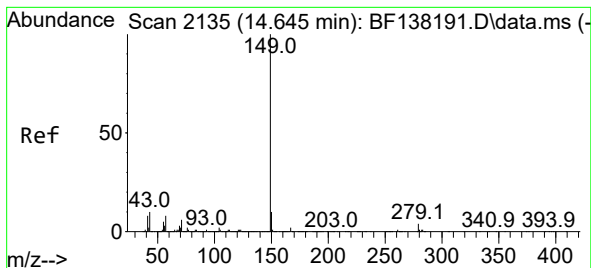
Ion Ratio Lower Upper

149 100

167 27.0 23.5 35.3

279 4.6 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 2.462 ng

RT: 14.639 min Scan# 2135

Delta R.T. -0.006 min

Lab File: BF138213.D

Acq: 17 Jun 2024 19:27

Instrument :

BNA\_F

ClientSampleId :

PE-4(0-0.5)

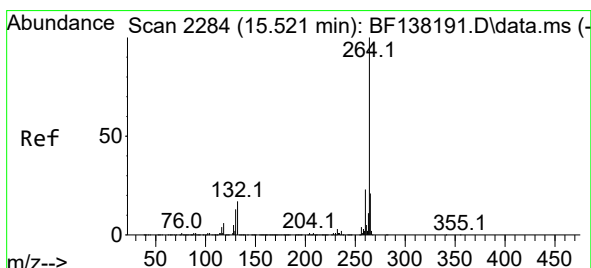
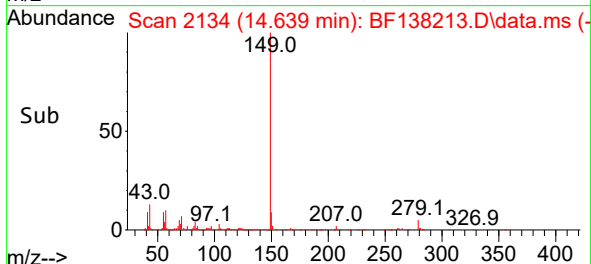
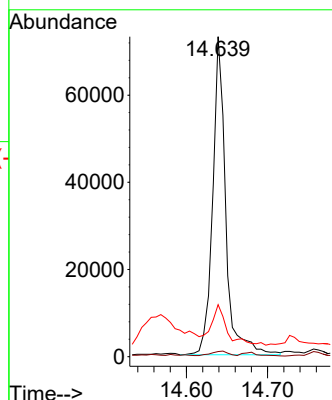
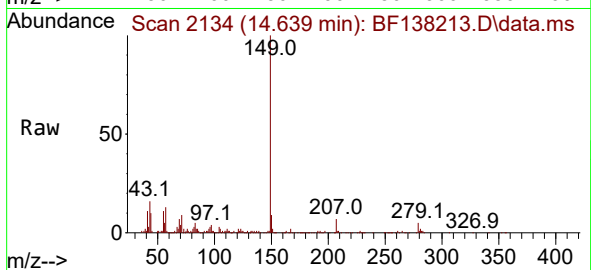
Tgt Ion:149 Resp: 81352

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 17.6 7.8 11.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 2283

Delta R.T. -0.006 min

Lab File: BF138213.D

Acq: 17 Jun 2024 19:27

Tgt Ion:264 Resp: 869912

Ion Ratio Lower Upper

264 100

260 24.7 18.7 28.1

265 22.4 17.0 25.6

