

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120723\  
 Data File : BF136449.D  
 Acq On : 07 Dec 2023 16:21  
 Operator : CG\JU  
 Sample : 05630-03  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-02-120523

Quant Time: Dec 07 16:54:56 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 06 09:40:27 2023  
 Response via : Initial Calibration

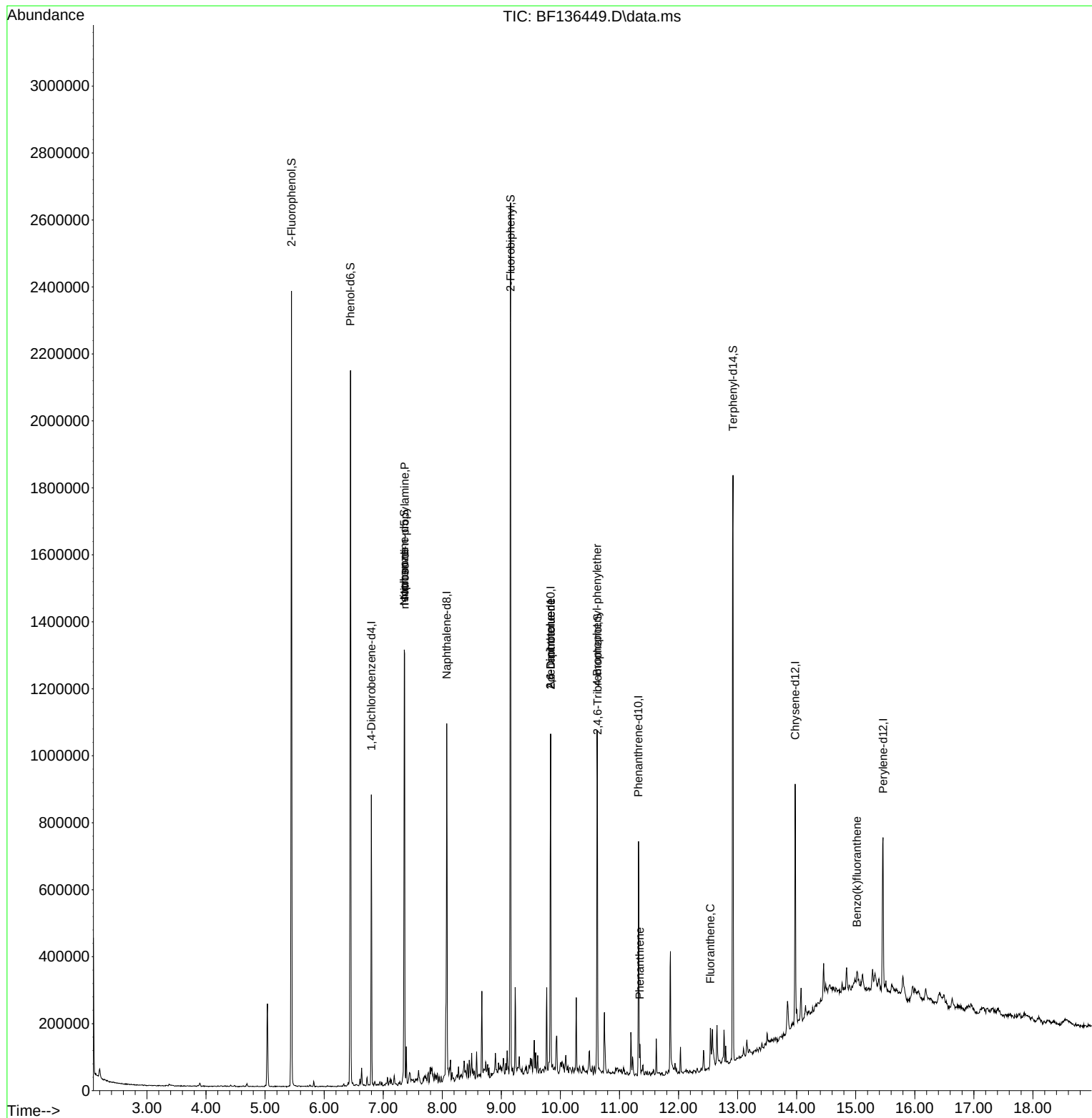
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.798  | 152  | 116433   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.075  | 136  | 435285   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.834  | 164  | 181554   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.322 | 188  | 245612   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 13.974 | 240  | 230866   | 20.000    | ng    | # 0.00   |
| 86) Perylene-d12              | 15.463 | 264  | 226042   | 20.000    | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.446  | 112  | 634653   | 80.499    | ng    | 0.01     |
| 7) Phenol-d6                  | 6.446  | 99   | 753270   | 76.579    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.357  | 82   | 447498   | 55.577    | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.628 | 330  | 133457   | 59.617    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.157  | 172  | 782045   | 58.776    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.922 | 244  | 614463   | 35.081    | ng    | 0.00     |
| Target Compounds              |        |      |          |           |       |          |
|                               |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.357  | 77   | 250      | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.363  | 70   | 58393    | 10.291    | ng    | # 75     |
| 25) Isophorone                | 7.357  | 82   | 446303   | 30.852    | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.834  | 165  | 25406    | 8.449     | ng    | # 29     |
| 57) 2,4-Dinitrotoluene        | 9.834  | 165  | 25406    | 6.387     | ng    | # 28     |
| 67) 4-Bromophenyl-phenylether | 10.622 | 248  | 8327     | 2.916     | ng    | # 1      |
| 71) Phenanthrene              | 11.345 | 178  | 30645    | 2.270     | ng    | 98       |
| 75) Fluoranthene              | 12.539 | 202  | 43287    | 3.060     | ng    | 97       |
| 77) Benzidine                 | 12.786 | 184  | 334      | Below Cal | #     | 1        |
| 89) Benzo(k)fluoranthene      | 15.021 | 252  | 29243    | 2.008     | ng    | # 69     |
| -----                         |        |      |          |           |       |          |

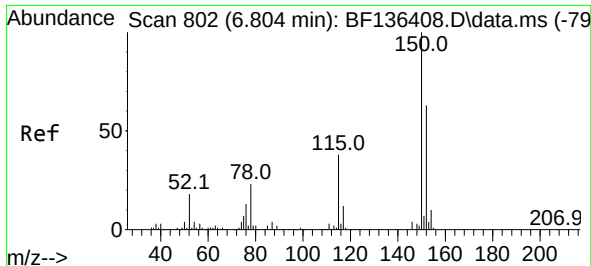
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120723\  
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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
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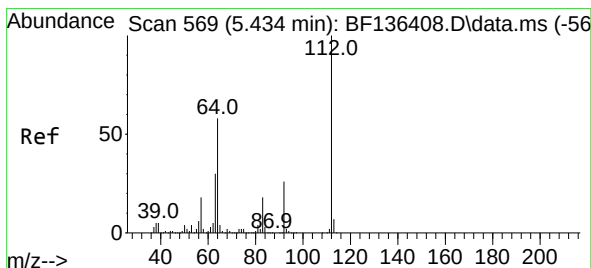
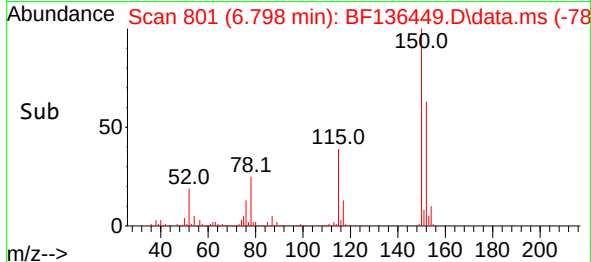
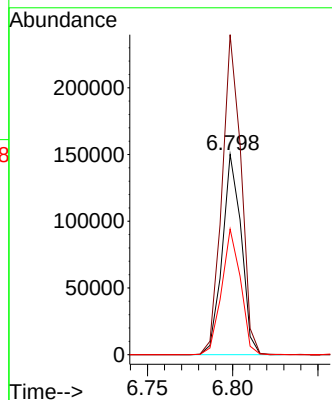
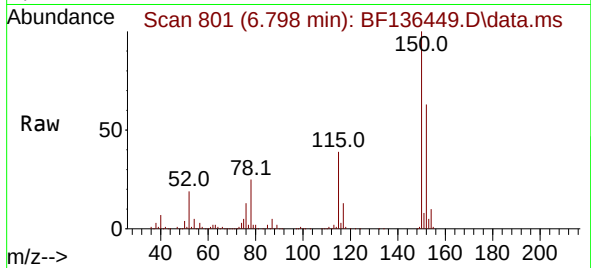




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.798 min Scan# 801  
Delta R.T. -0.006 min  
Lab File: BF136449.D  
Acq: 07 Dec 2023 16:21

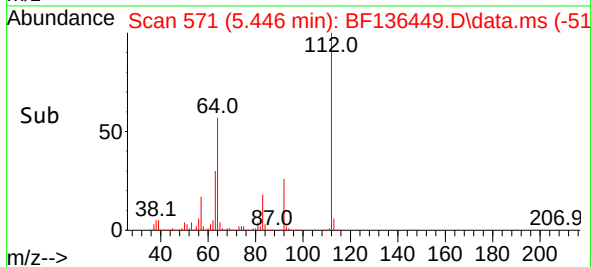
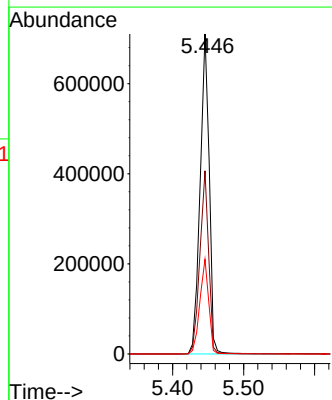
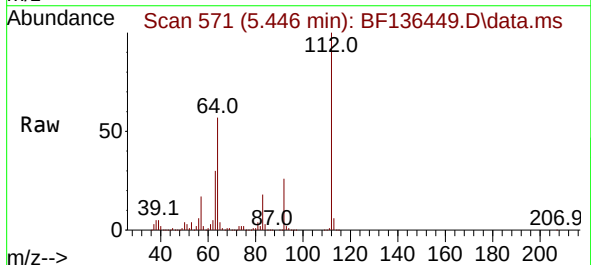
Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-120523

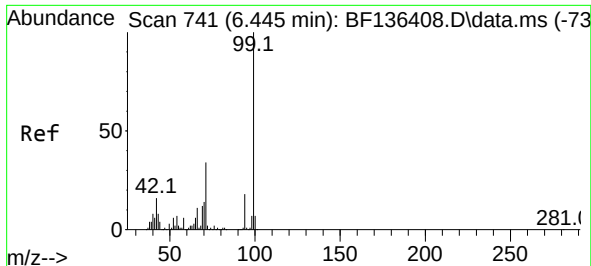
Tgt Ion:152 Resp: 116433  
Ion Ratio Lower Upper  
152 100  
150 159.8 126.4 189.6  
115 62.7 48.2 72.4



#5  
2-Fluorophenol  
Concen: 80.499 ng  
RT: 5.446 min Scan# 571  
Delta R.T. 0.012 min  
Lab File: BF136449.D  
Acq: 07 Dec 2023 16:21

Tgt Ion:112 Resp: 634653  
Ion Ratio Lower Upper  
112 100  
64 57.2 46.5 69.7  
63 29.6 23.9 35.9

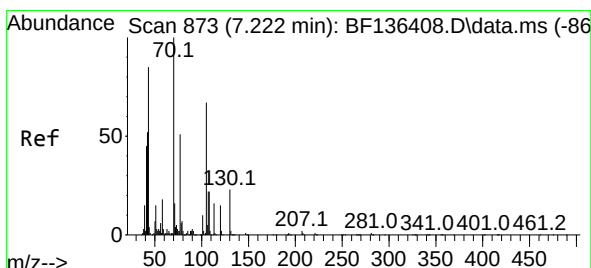
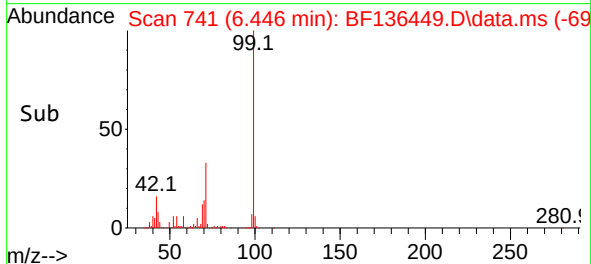
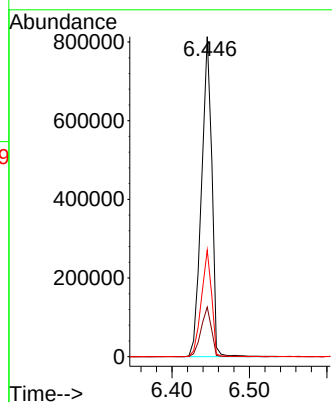
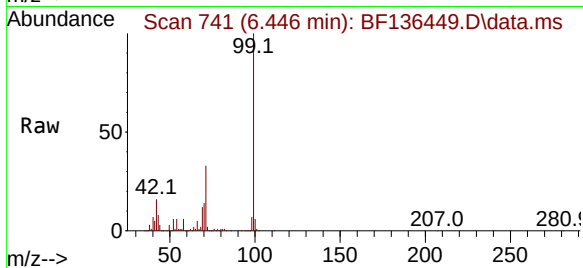




#7  
Phenol-d6  
Concen: 76.579 ng  
RT: 6.446 min Scan# 741  
Delta R.T. 0.000 min  
Lab File: BF136449.D  
Acq: 07 Dec 2023 16:21

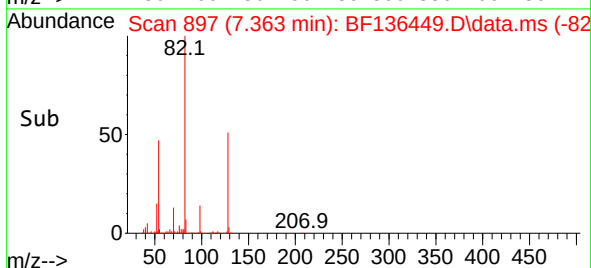
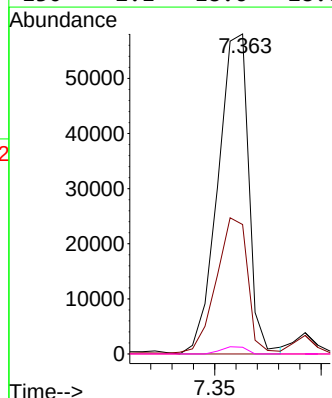
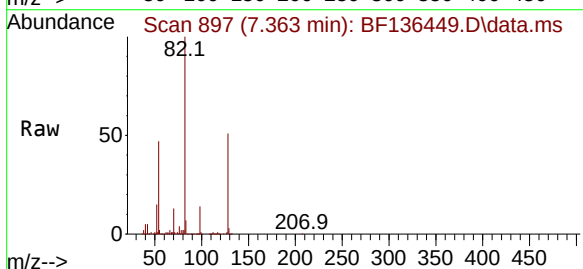
Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-120523

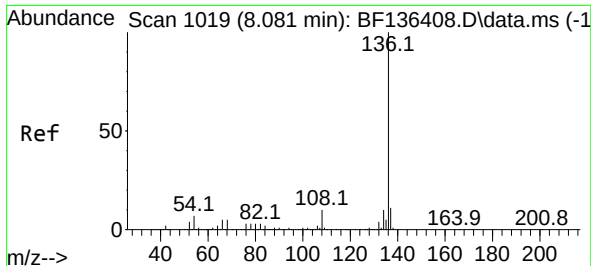
Tgt Ion: 99 Resp: 753270  
Ion Ratio Lower Upper  
99 100  
42 15.5 12.8 19.2  
71 33.4 27.0 40.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 10.291 ng  
RT: 7.363 min Scan# 897  
Delta R.T. 0.141 min  
Lab File: BF136449.D  
Acq: 07 Dec 2023 16:21

Tgt Ion: 70 Resp: 58393  
Ion Ratio Lower Upper  
70 100  
42 40.5 41.4 62.0#  
101 0.0 8.2 12.4#  
130 2.1 18.6 28.0#

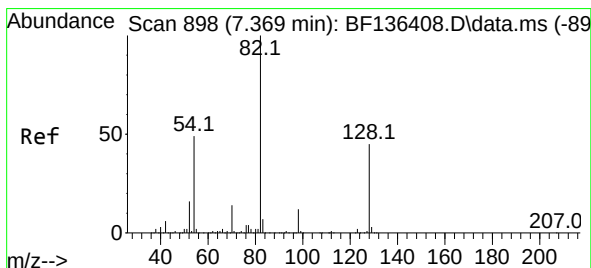
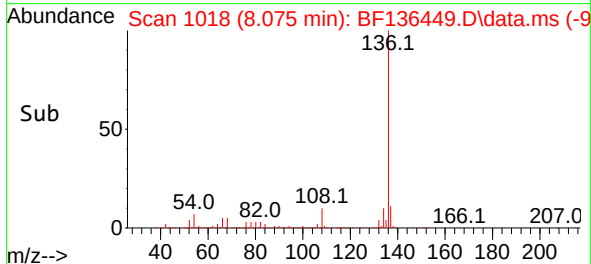
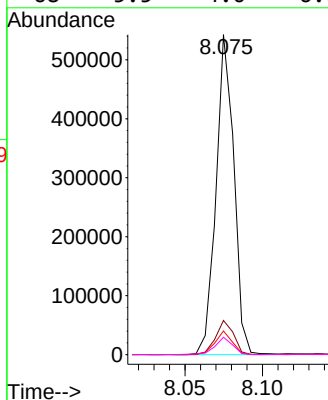
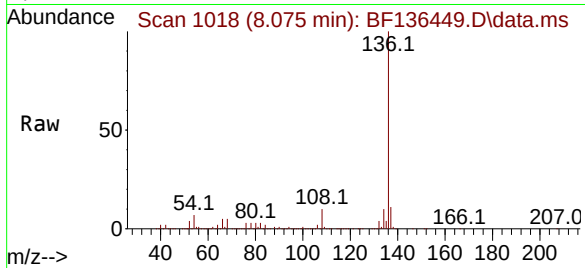




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.075 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: BF136449.D  
Acq: 07 Dec 2023 16:21

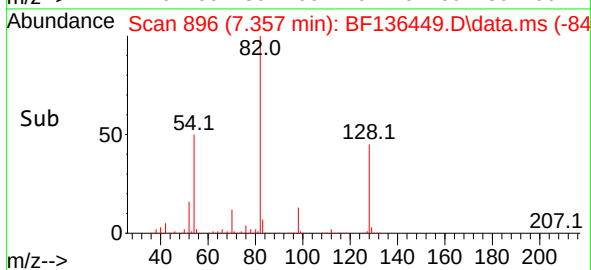
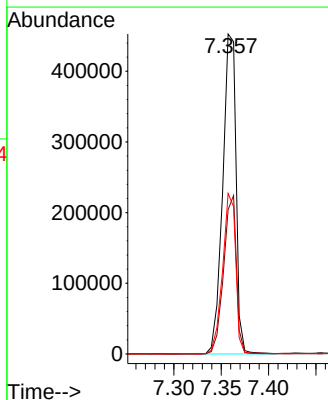
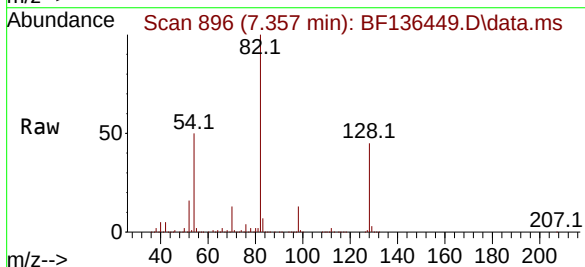
Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-120523

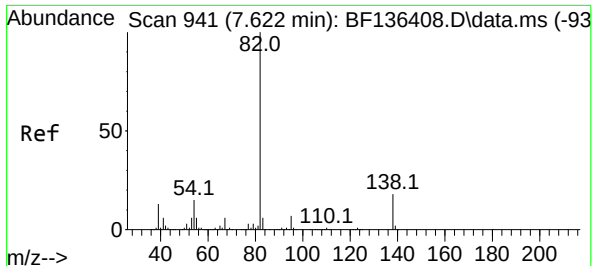
Tgt Ion:136 Resp: 435285  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.6 12.8  
54 7.4 5.7 8.5  
68 5.5 4.0 6.0



#23  
Nitrobenzene-d5  
Concen: 55.577 ng  
RT: 7.357 min Scan# 896  
Delta R.T. -0.012 min  
Lab File: BF136449.D  
Acq: 07 Dec 2023 16:21

Tgt Ion: 82 Resp: 447498  
Ion Ratio Lower Upper  
82 100  
128 45.1 36.3 54.5  
54 50.1 39.0 58.6

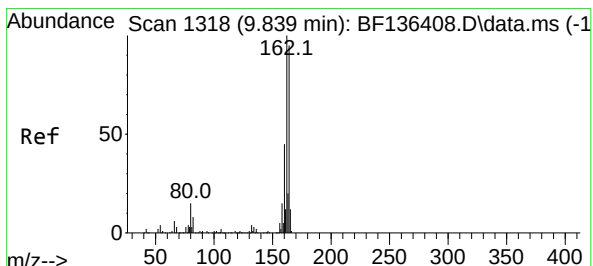
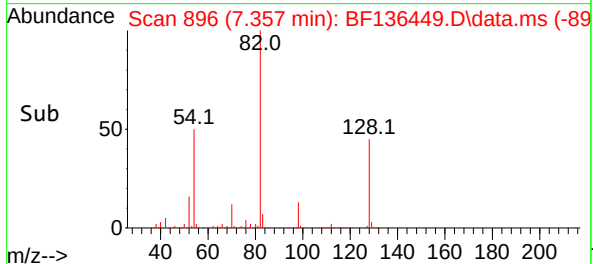
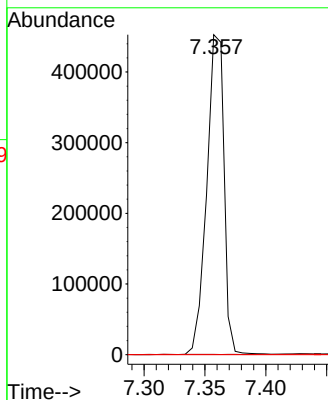
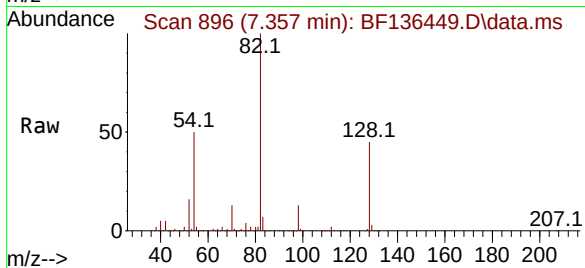




#25  
Isophorone  
Concen: 30.852 ng  
RT: 7.357 min Scan# 896  
Delta R.T. -0.265 min  
Lab File: BF136449.D  
Acq: 07 Dec 2023 16:21

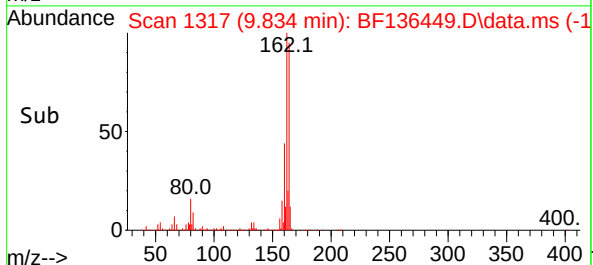
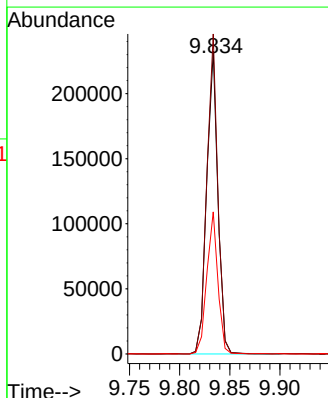
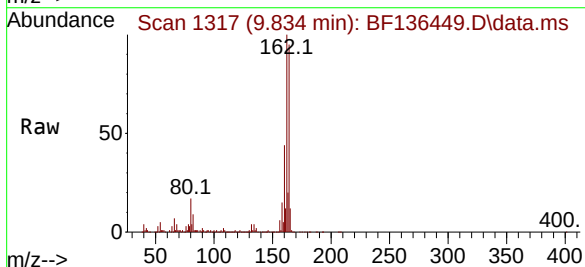
Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-120523

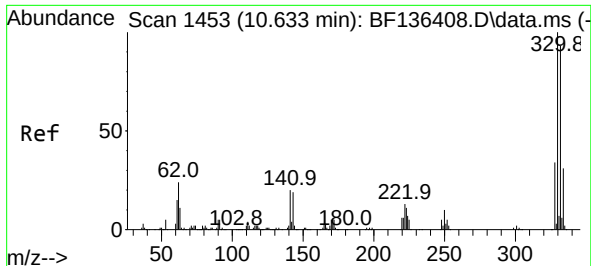
Tgt Ion: 82 Resp: 446303  
Ion Ratio Lower Upper  
82 100  
95 0.1 5.7 8.5#  
138 0.0 14.5 21.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.834 min Scan# 1317  
Delta R.T. -0.006 min  
Lab File: BF136449.D  
Acq: 07 Dec 2023 16:21

Tgt Ion:164 Resp: 181554  
Ion Ratio Lower Upper  
164 100  
162 105.7 84.4 126.6  
160 46.9 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 59.617 ng

RT: 10.628 min Scan# 1453

Delta R.T. -0.006 min

Lab File: BF136449.D

Acq: 07 Dec 2023 16:21

Instrument :

BNA\_F

ClientSampleId :

EO-02-120523

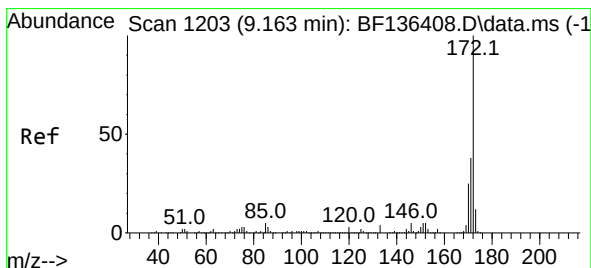
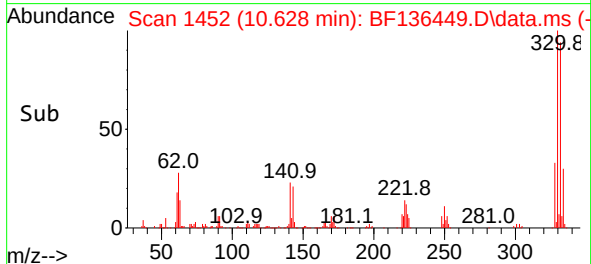
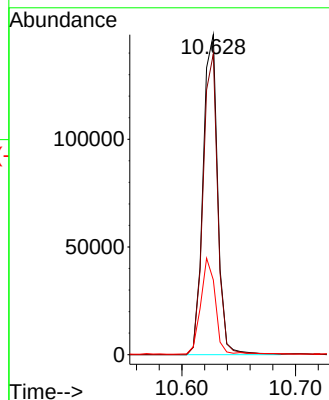
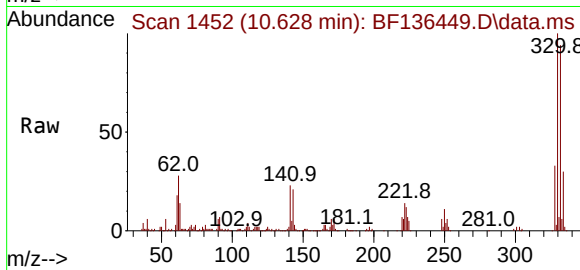
Tgt Ion:330 Resp: 133457

Ion Ratio Lower Upper

330 100

332 94.2 76.4 114.6

141 30.3 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 58.776 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF136449.D

Acq: 07 Dec 2023 16:21

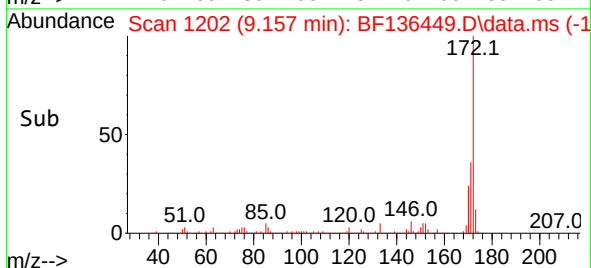
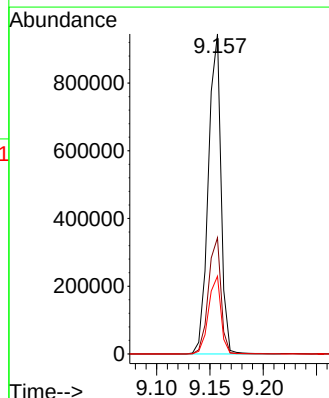
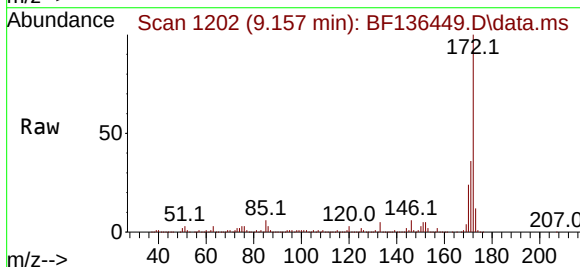
Tgt Ion:172 Resp: 782045

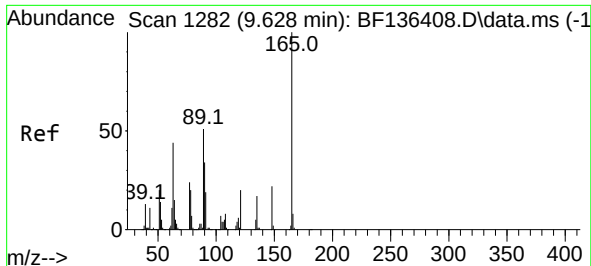
Ion Ratio Lower Upper

172 100

171 36.3 30.5 45.7

170 24.3 19.9 29.9





#51

2,6-Dinitrotoluene

Concen: 8.449 ng

RT: 9.834 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF136449.D

Acq: 07 Dec 2023 16:21

Instrument :

BNA\_F

ClientSampleId :

EO-02-120523

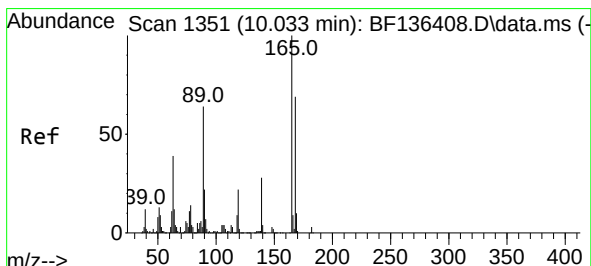
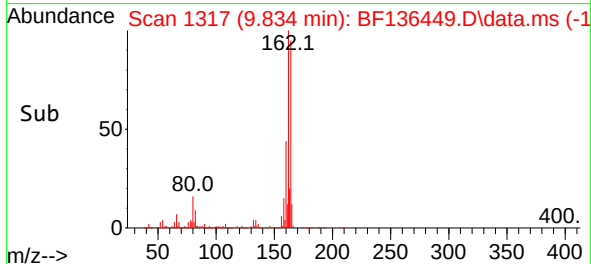
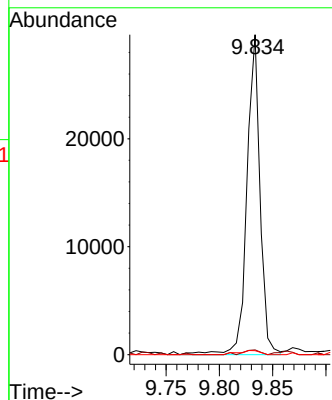
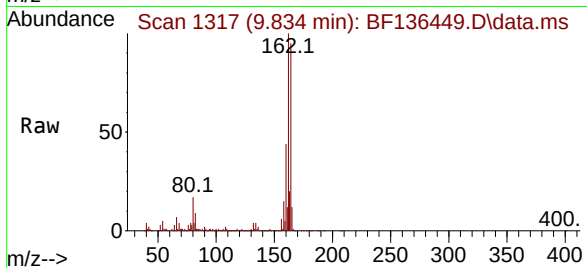
Tgt Ion:165 Resp: 25406

Ion Ratio Lower Upper

165 100

63 1.5 40.4 60.6#

89 1.3 40.6 60.8#



#57

2,4-Dinitrotoluene

Concen: 6.387 ng

RT: 9.834 min Scan# 1317

Delta R.T. -0.200 min

Lab File: BF136449.D

Acq: 07 Dec 2023 16:21

Tgt Ion:165 Resp: 25406

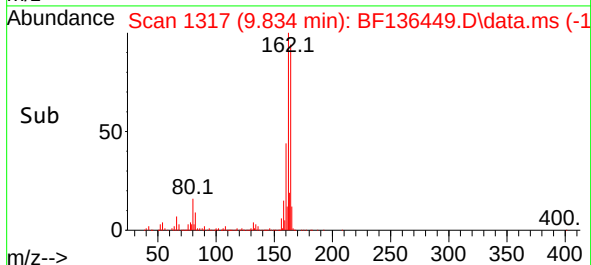
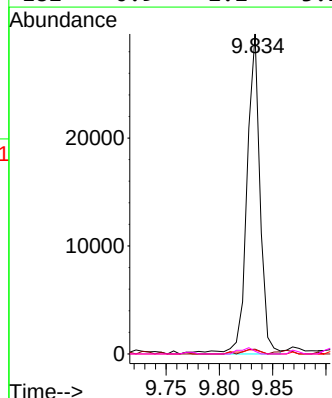
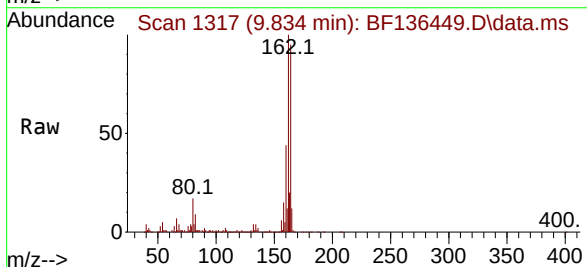
Ion Ratio Lower Upper

165 100

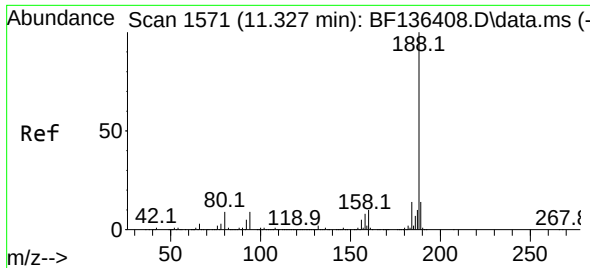
63 1.5 31.4 47.2#

89 1.3 51.7 77.5#

182 0.9 2.2 3.2#



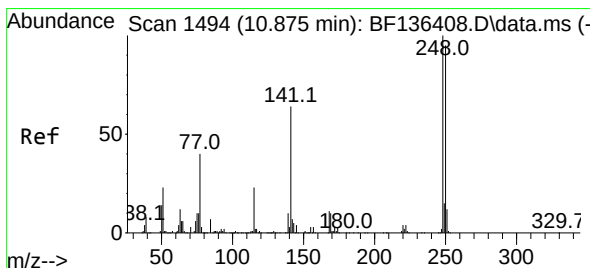
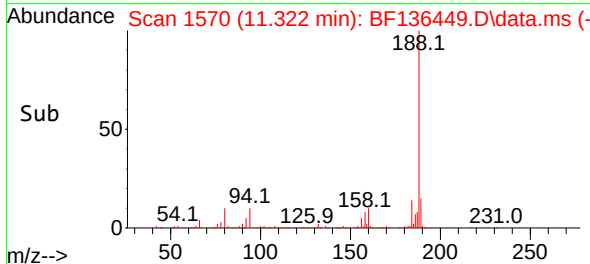
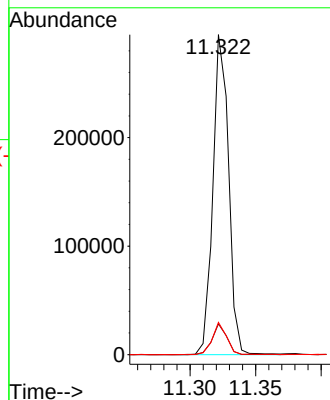
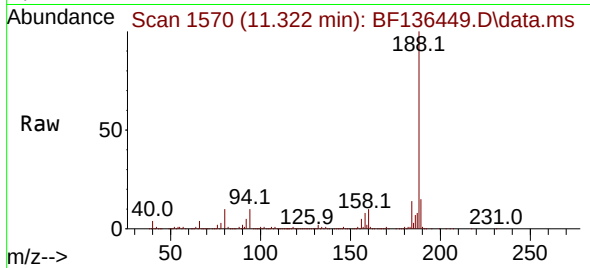




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.322 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136449.D  
Acq: 07 Dec 2023 16:21

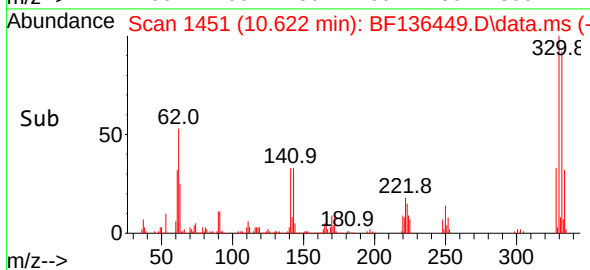
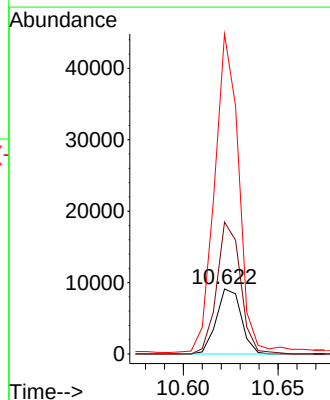
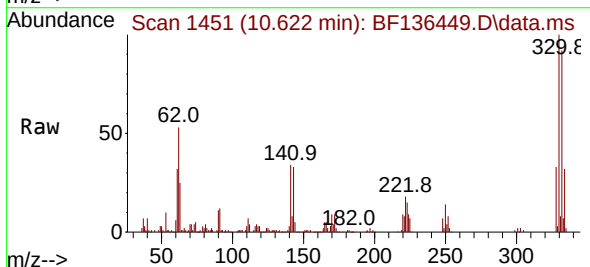
Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-120523

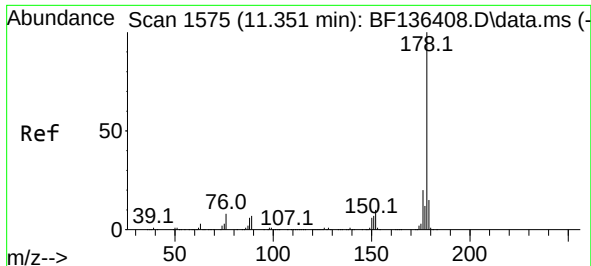
Tgt Ion:188 Resp: 245612  
Ion Ratio Lower Upper  
188 100  
94 9.6 7.2 10.8  
80 10.1 7.2 10.8



#67  
4-Bromophenyl-phenylether  
Concen: 2.916 ng  
RT: 10.622 min Scan# 1451  
Delta R.T. -0.253 min  
Lab File: BF136449.D  
Acq: 07 Dec 2023 16:21

Tgt Ion:248 Resp: 8327  
Ion Ratio Lower Upper  
248 100  
250 202.9 76.2 114.2#  
141 492.6 51.0 76.4#

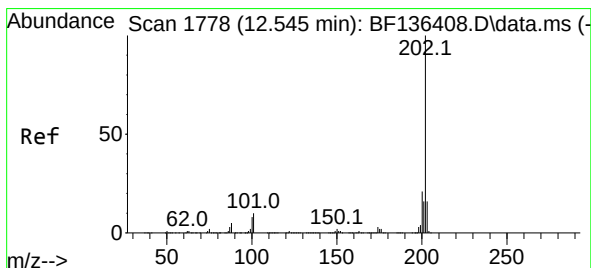
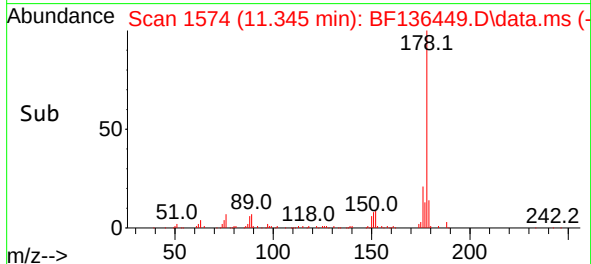
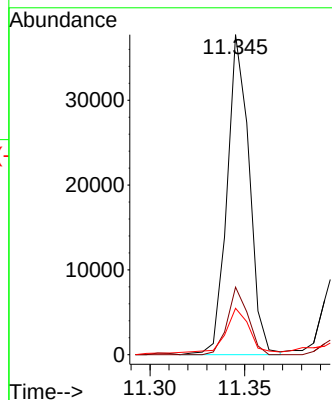
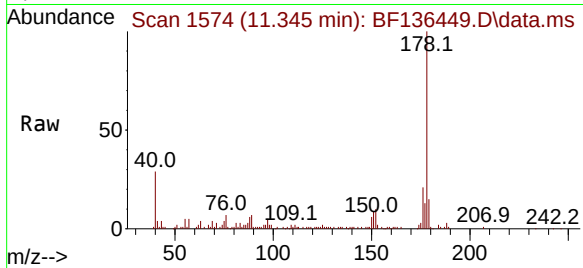




#71  
Phenanthrene  
Concen: 2.270 ng  
RT: 11.345 min Scan# 11345  
Delta R.T. -0.006 min  
Lab File: BF136449.D  
Acq: 07 Dec 2023 16:21

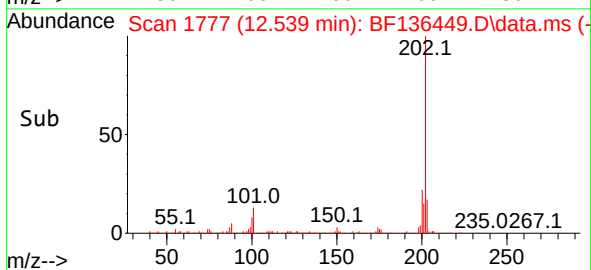
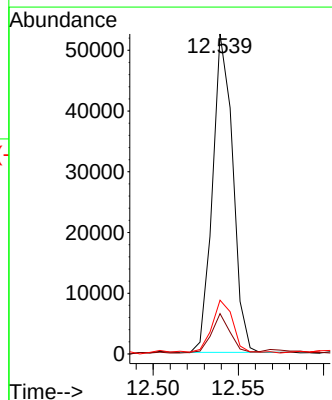
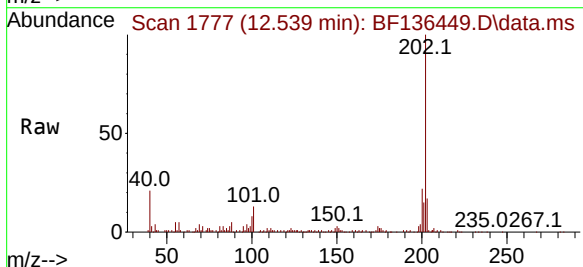
Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-120523

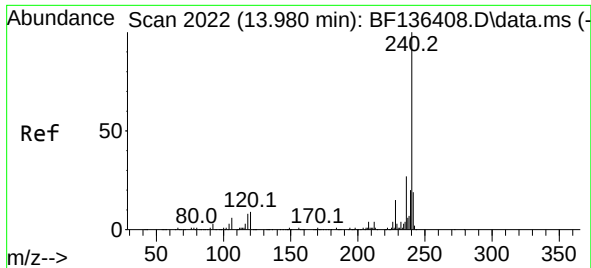
Tgt Ion:178 Resp: 30645  
Ion Ratio Lower Upper  
178 100  
176 21.1 15.9 23.9  
179 14.5 11.8 17.6



#75  
Fluoranthene  
Concen: 3.060 ng  
RT: 12.539 min Scan# 1777  
Delta R.T. -0.006 min  
Lab File: BF136449.D  
Acq: 07 Dec 2023 16:21

Tgt Ion:202 Resp: 43287  
Ion Ratio Lower Upper  
202 100  
101 12.6 0.0 29.9  
203 16.8 0.0 36.3

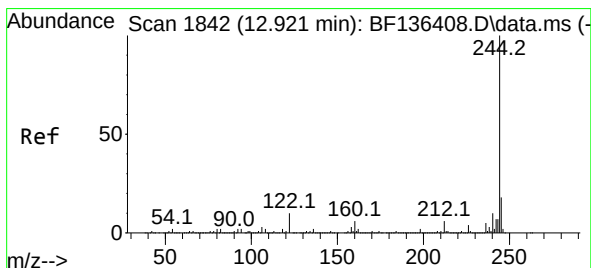
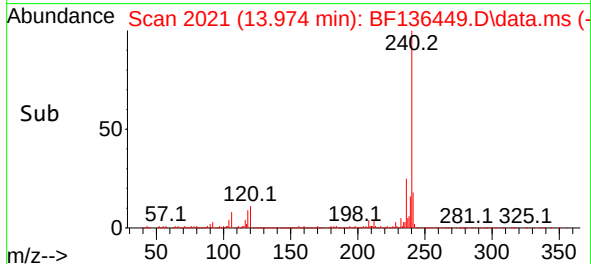
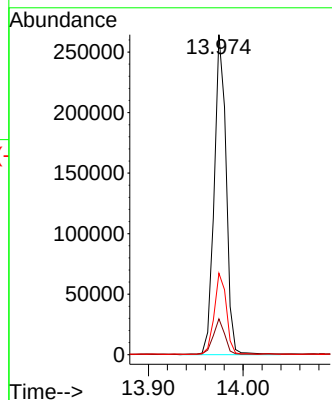
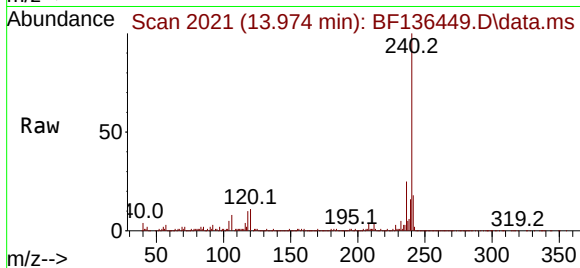




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.974 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: BF136449.D  
Acq: 07 Dec 2023 16:21

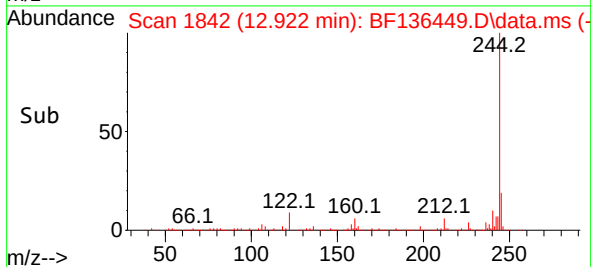
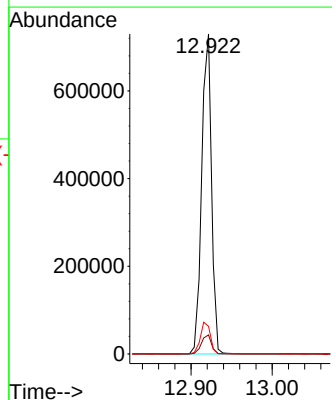
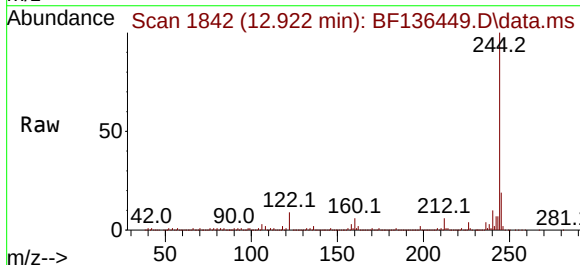
Instrument :  
BNA\_F  
ClientSampleId :  
EO-02-120523

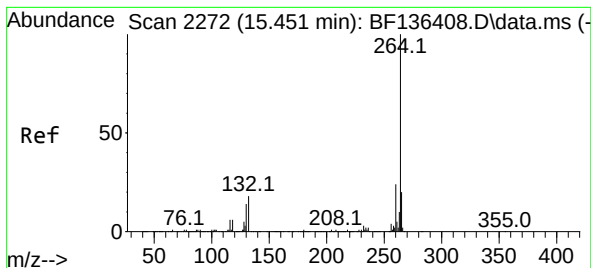
Tgt Ion:240 Resp: 230866  
Ion Ratio Lower Upper  
240 100  
120 11.2 7.3 10.9#  
236 25.5 21.3 31.9



#79  
Terphenyl-d14  
Concen: 35.081 ng  
RT: 12.922 min Scan# 1842  
Delta R.T. 0.000 min  
Lab File: BF136449.D  
Acq: 07 Dec 2023 16:21

Tgt Ion:244 Resp: 614463  
Ion Ratio Lower Upper  
244 100  
212 5.9 5.0 7.4  
122 8.7 8.3 12.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 2199

Delta R.T. 0.012 min

Lab File: BF136449.D

Acq: 07 Dec 2023 16:21

Instrument :

BNA\_F

ClientSampleId :

EO-02-120523

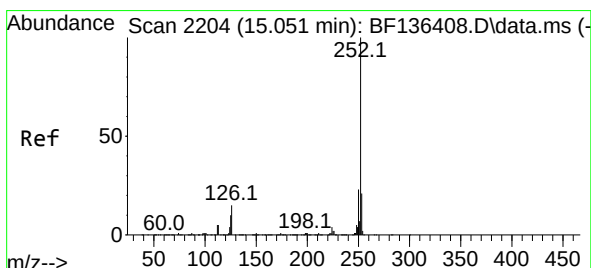
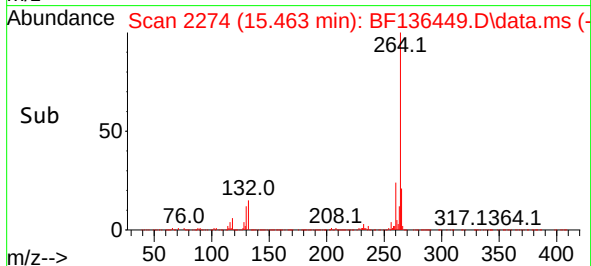
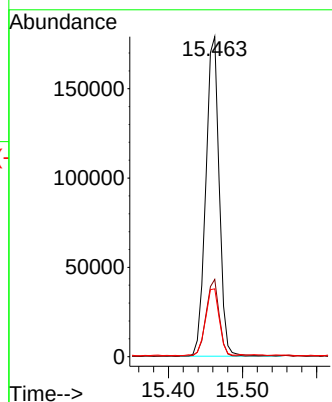
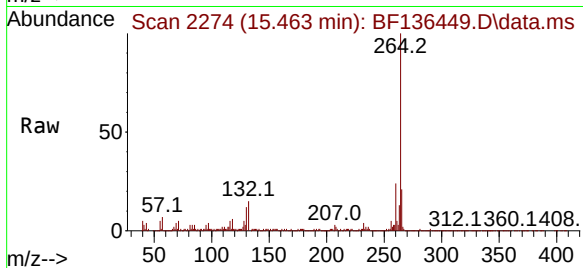
Tgt Ion:264 Resp: 226042

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.2 15.9 23.9



#89

Benzo(k)fluoranthene

Concen: 2.008 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.029 min

Lab File: BF136449.D

Acq: 07 Dec 2023 16:21

Tgt Ion:252 Resp: 29243

Ion Ratio Lower Upper

252 100

253 30.3 16.9 25.3#

125 29.8 7.5 11.3#

