

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121223\  
 Data File : BF136528.D  
 Acq On : 12 Dec 2023 21:34  
 Operator : CG\JU  
 Sample : 05624-01  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 14TH-SOIL-1

Quant Time: Dec 12 23:21:35 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   | 6.792  | 152  | 80081    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.069  | 136  | 291167   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.828  | 164  | 134017   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.322 | 188  | 218529   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.968 | 240  | 202049   | 20.000 | ng    | #-0.01   |
| 86) Perylene-d12            | 15.451 | 264  | 197586   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.440  | 112  | 534333   | 98.540 | ng    | 0.00     |
| 7) Phenol-d6                | 6.440  | 99   | 642773   | 95.009 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.357  | 82   | 376637   | 69.929 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.622 | 330  | 139061   | 84.155 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.151  | 172  | 675469   | 68.773 | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.916 | 244  | 676893   | 44.156 | ng    | 0.00     |

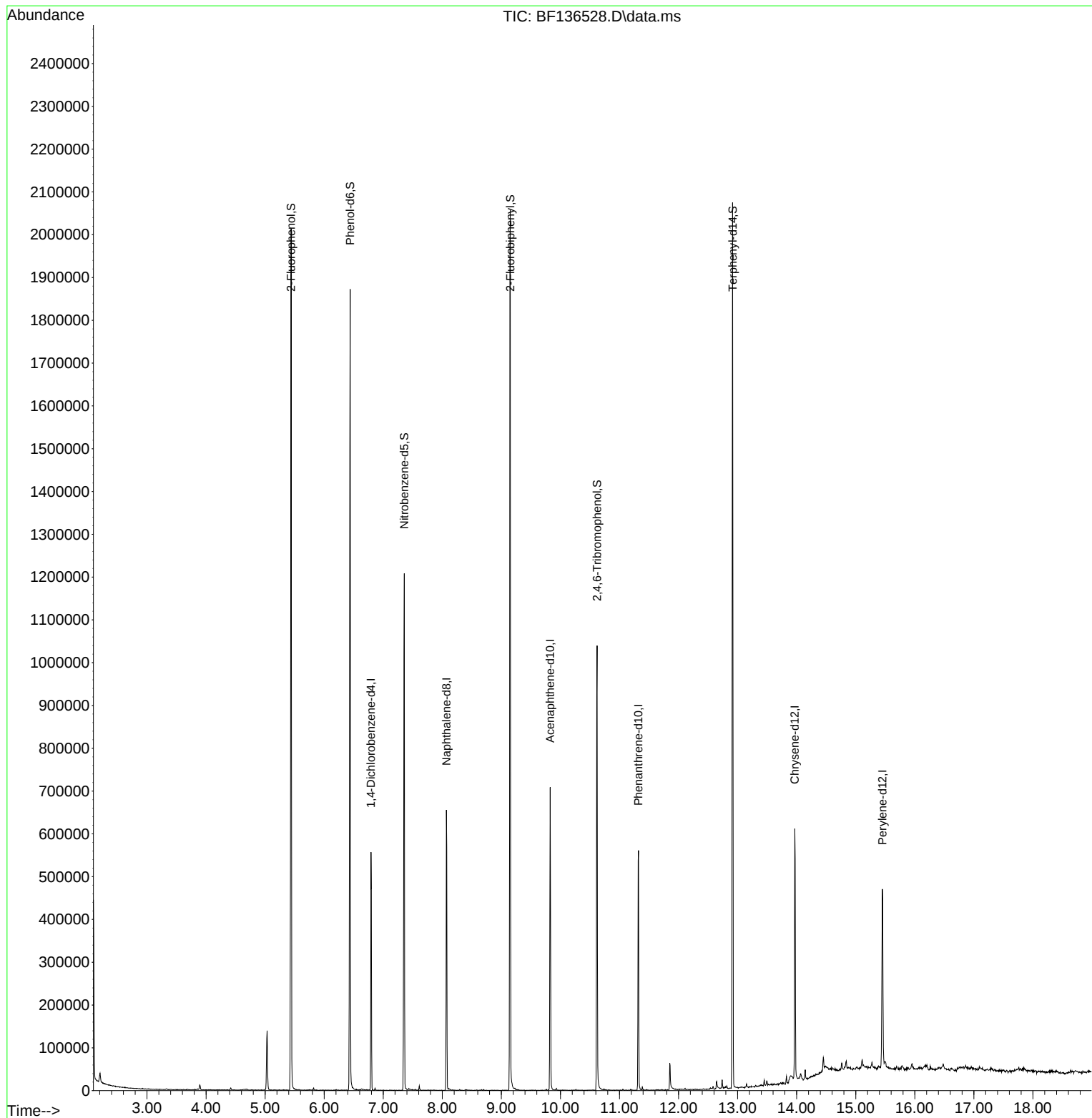
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

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

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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

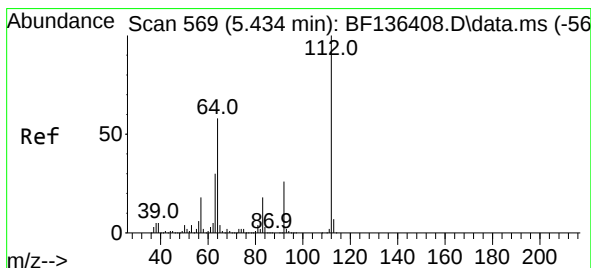
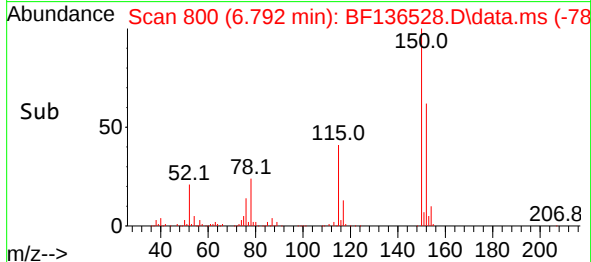
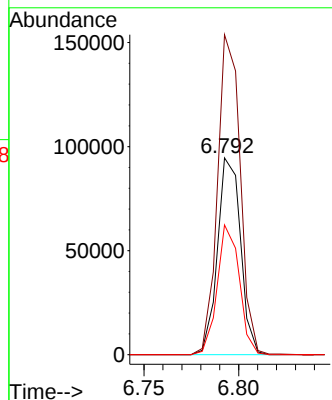
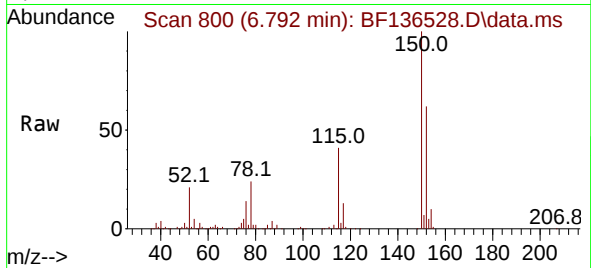




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.792 min Scan# 80  
 Delta R.T. -0.012 min  
 Lab File: BF136528.D  
 Acq: 12 Dec 2023 21:34

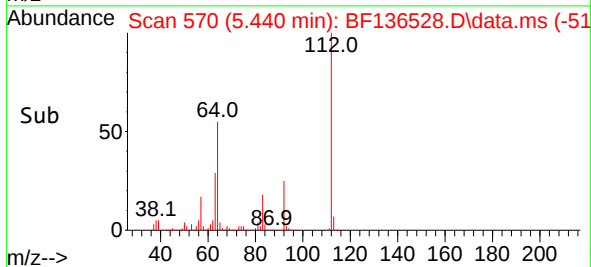
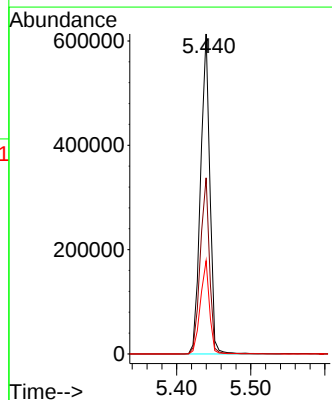
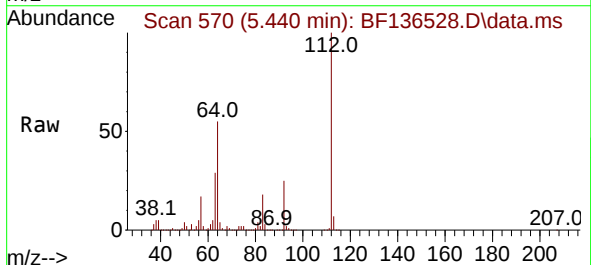
Instrument :  
 BNA\_F  
 ClientSampleId :  
 14TH-SOIL-1

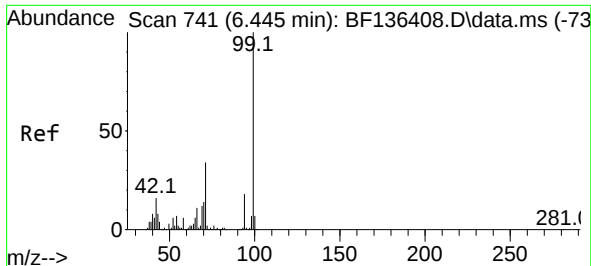
Tgt Ion:152 Resp: 80081  
 Ion Ratio Lower Upper  
 152 100  
 150 162.5 126.4 189.6  
 115 65.9 48.2 72.4



#5  
 2-Fluorophenol  
 Concen: 98.540 ng  
 RT: 5.440 min Scan# 570  
 Delta R.T. 0.006 min  
 Lab File: BF136528.D  
 Acq: 12 Dec 2023 21:34

Tgt Ion:112 Resp: 534333  
 Ion Ratio Lower Upper  
 112 100  
 64 55.1 46.5 69.7  
 63 29.1 23.9 35.9

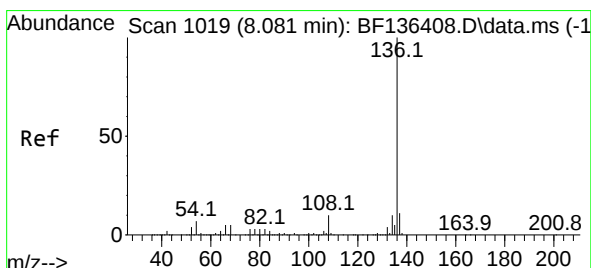
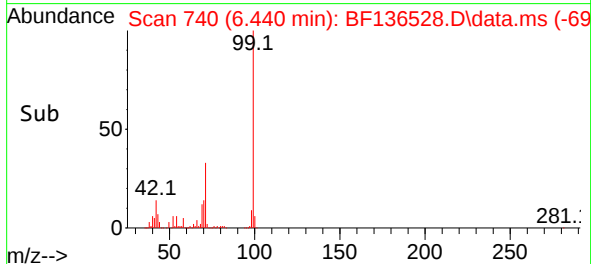
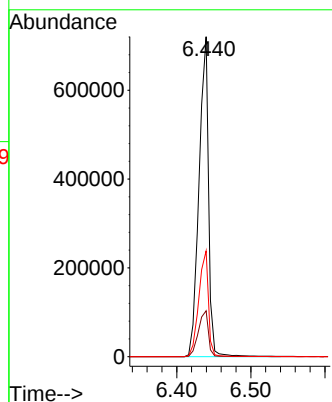
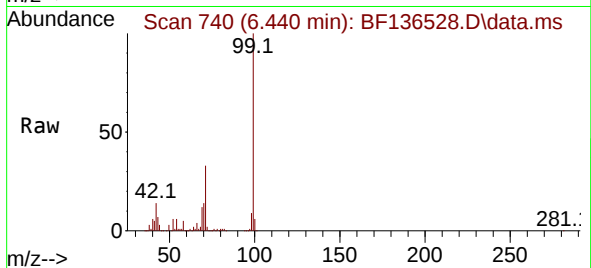




#7  
Phenol-d6  
Concen: 95.009 ng  
RT: 6.440 min Scan# 741  
Delta R.T. -0.006 min  
Lab File: BF136528.D  
Acq: 12 Dec 2023 21:34

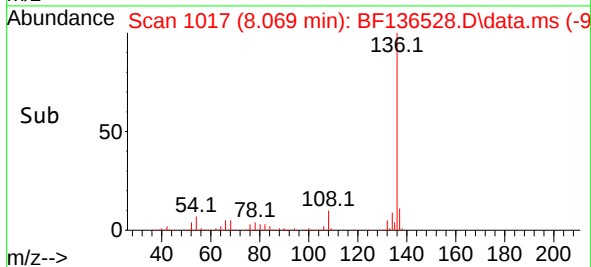
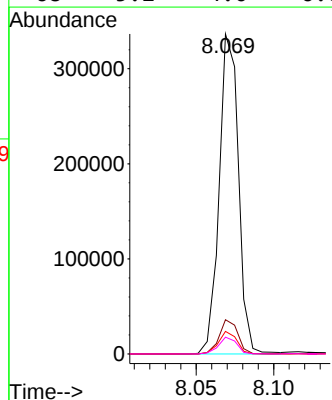
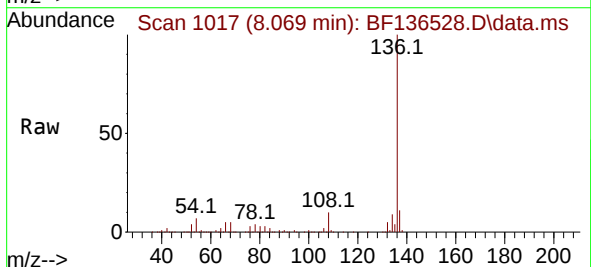
Instrument :  
BNA\_F  
ClientSampleId :  
14TH-SOIL-1

Tgt Ion: 99 Resp: 642773  
Ion Ratio Lower Upper  
99 100  
42 14.4 12.8 19.2  
71 33.0 27.0 40.4



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.069 min Scan# 1017  
Delta R.T. -0.012 min  
Lab File: BF136528.D  
Acq: 12 Dec 2023 21:34

Tgt Ion: 136 Resp: 291167  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.6 12.8  
54 7.1 5.7 8.5  
68 5.2 4.0 6.0





#23

Nitrobenzene-d5

Concen: 69.929 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136528.D

Acq: 12 Dec 2023 21:34

Instrument :

BNA\_F

ClientSampleId :

14TH-SOIL-1

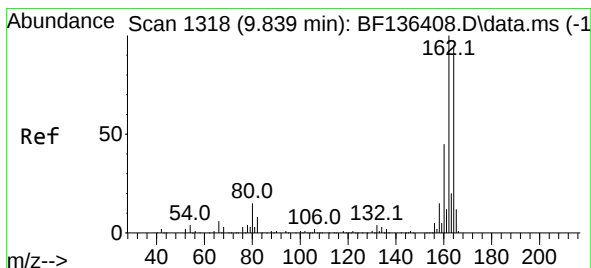
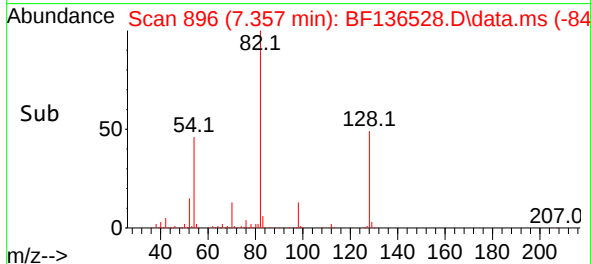
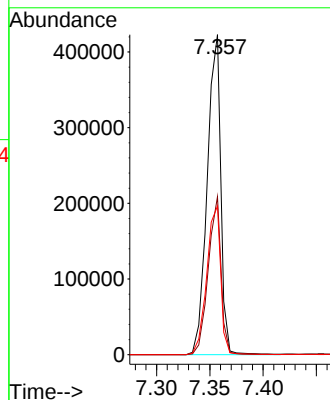
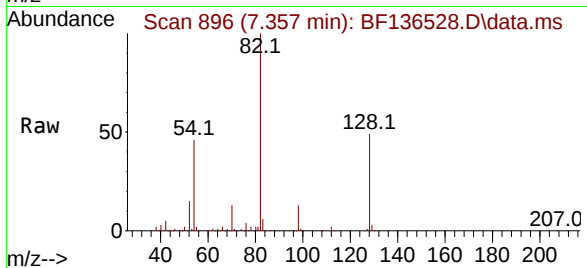
Tgt Ion: 82 Resp: 376637

Ion Ratio Lower Upper

82 100

128 49.4 36.3 54.5

54 46.5 39.0 58.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF136528.D

Acq: 12 Dec 2023 21:34

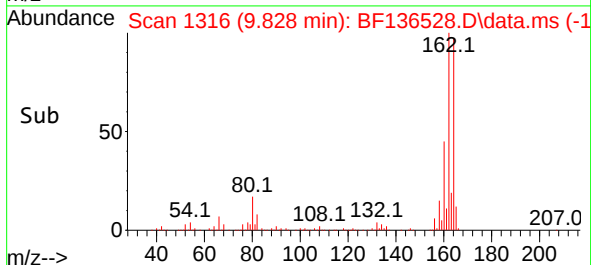
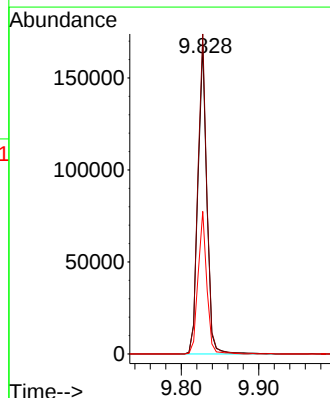
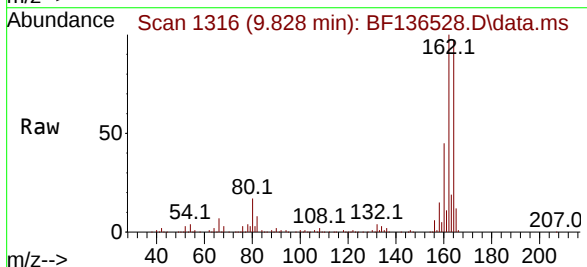
Tgt Ion:164 Resp: 134017

Ion Ratio Lower Upper

164 100

162 103.6 84.4 126.6

160 46.2 37.6 56.4

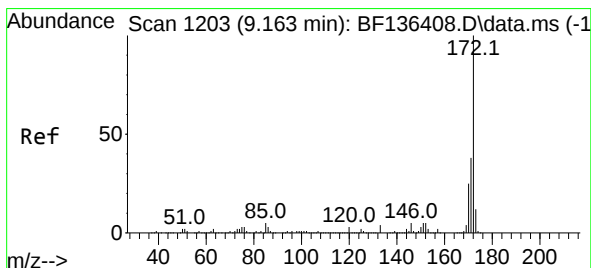
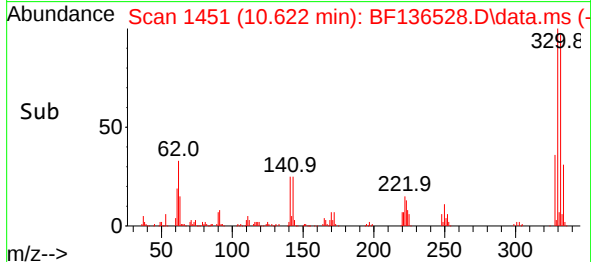
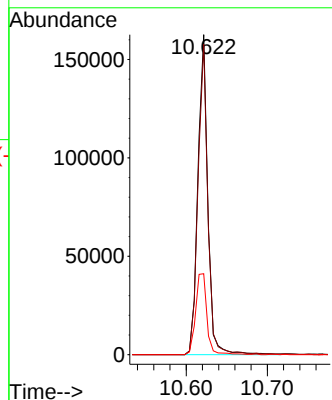
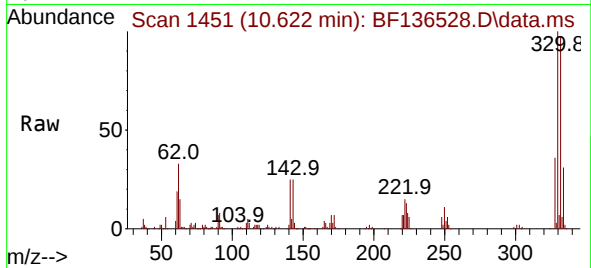




#42  
2,4,6-Tribromophenol  
Concen: 84.155 ng  
RT: 10.622 min Scan# 1453  
Delta R.T. -0.012 min  
Lab File: BF136528.D  
Acq: 12 Dec 2023 21:34

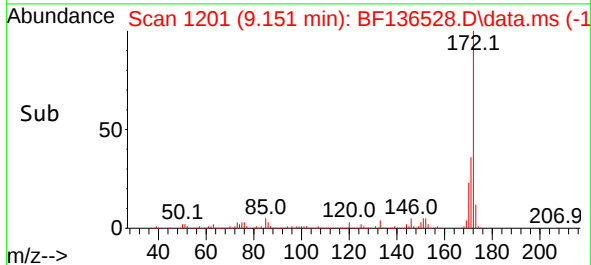
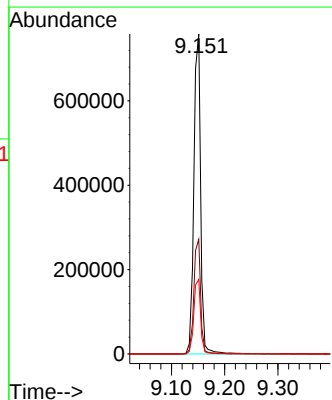
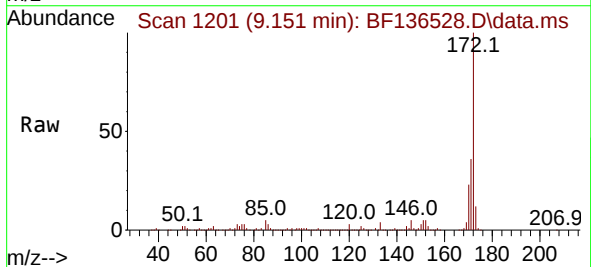
Instrument :  
BNA\_F  
ClientSampleId :  
14TH-SOIL-1

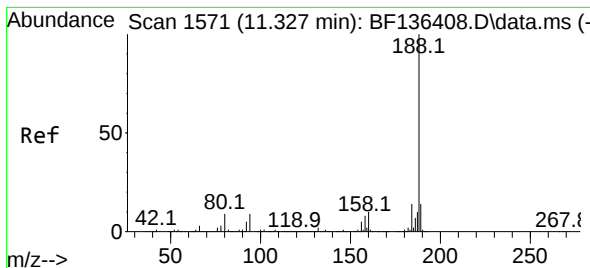
Tgt Ion:330 Resp: 139061  
Ion Ratio Lower Upper  
330 100  
332 97.0 76.4 114.6  
141 28.9 23.4 35.2



#45  
2-Fluorobiphenyl  
Concen: 68.773 ng  
RT: 9.151 min Scan# 1201  
Delta R.T. -0.012 min  
Lab File: BF136528.D  
Acq: 12 Dec 2023 21:34

Tgt Ion:172 Resp: 675469  
Ion Ratio Lower Upper  
172 100  
171 35.8 30.5 45.7  
170 23.3 19.9 29.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136528.D

Acq: 12 Dec 2023 21:34

Instrument :

BNA\_F

ClientSampleId :

14TH-SOIL-1

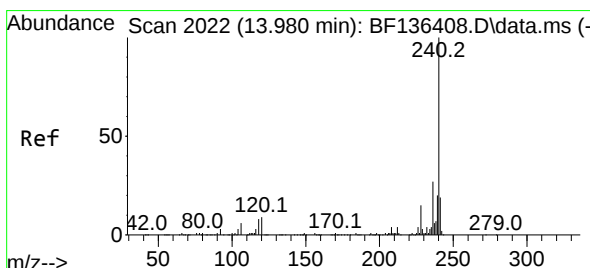
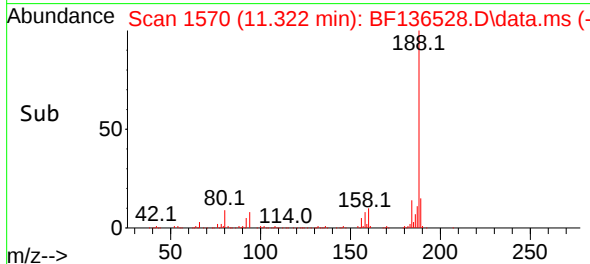
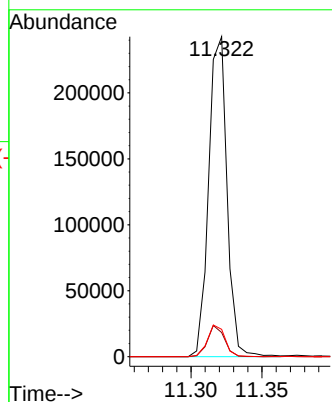
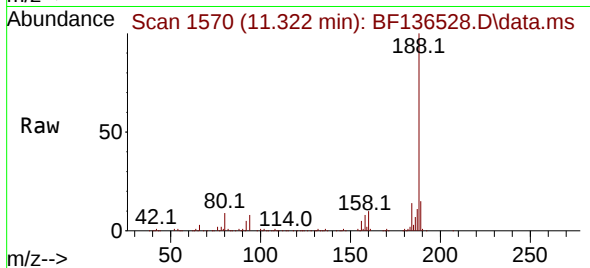
Tgt Ion:188 Resp: 218529

Ion Ratio Lower Upper

188 100

94 7.5 7.2 10.8

80 8.6 7.2 10.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2020

Delta R.T. -0.012 min

Lab File: BF136528.D

Acq: 12 Dec 2023 21:34

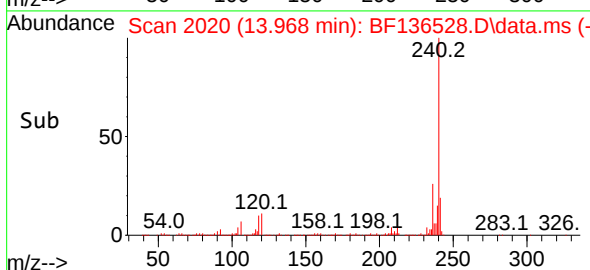
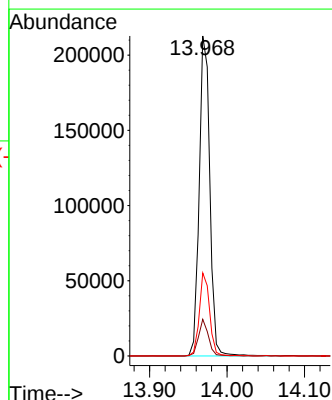
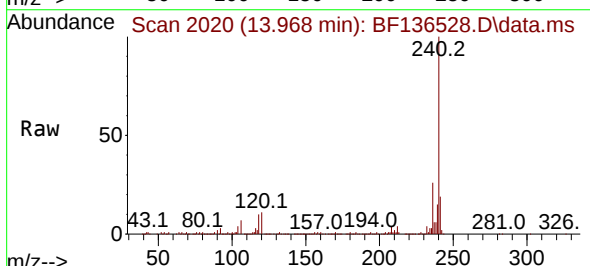
Tgt Ion:240 Resp: 202049

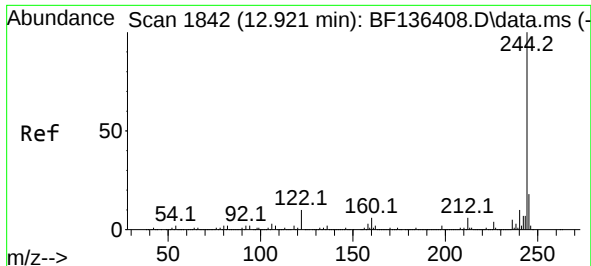
Ion Ratio Lower Upper

240 100

120 11.4 7.3 10.9#

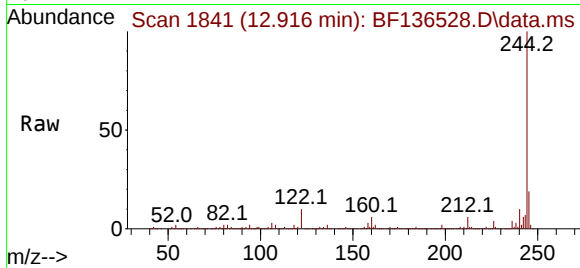
236 26.0 21.3 31.9



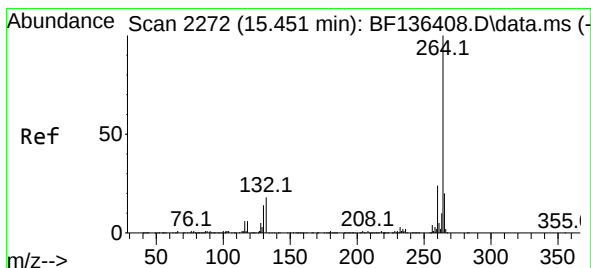
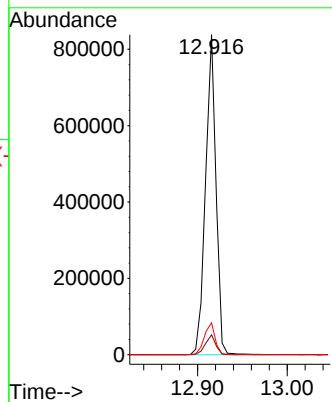
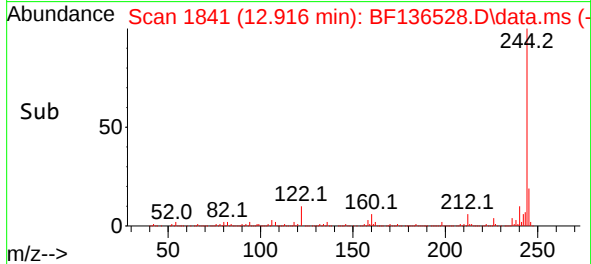


#79  
 Terphenyl-d14  
 Concen: 44.156 ng  
 RT: 12.916 min Scan# 1841  
 Delta R.T. -0.006 min  
 Lab File: BF136528.D  
 Acq: 12 Dec 2023 21:34

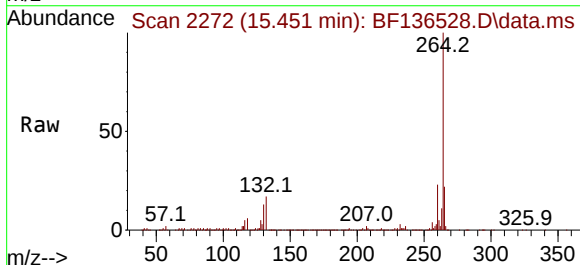
Instrument :  
 BNA\_F  
 ClientSampleId :  
 14TH-SOIL-1



Tgt Ion:244 Resp: 676893  
 Ion Ratio Lower Upper  
 244 100  
 212 6.2 5.0 7.4  
 122 9.9 8.3 12.5



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.451 min Scan# 2272  
 Delta R.T. 0.000 min  
 Lab File: BF136528.D  
 Acq: 12 Dec 2023 21:34



Tgt Ion:264 Resp: 197586  
 Ion Ratio Lower Upper  
 264 100  
 260 23.0 19.2 28.8  
 265 22.0 15.9 23.9

