

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121323\  
 Data File : BF136551.D  
 Acq On : 13 Dec 2023 22:22  
 Operator : CG\JU  
 Sample : 05624-01  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Dec 14 01:46:09 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  | 94782    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.069  | 136  | 360202   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.827  | 164  | 164901   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.316 | 188  | 260880   | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12            | 13.968 | 240  | 189551   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12            | 15.451 | 264  | 208895   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.440  | 112  | 615761   | 95.944 | ng    | 0.00     |
| 7) Phenol-d6                | 6.439  | 99   | 750710   | 93.752 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.357  | 82   | 443584   | 66.575 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.622 | 330  | 169582   | 83.405 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.151  | 172  | 852481   | 70.540 | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.916 | 244  | 711720   | 49.490 | ng    | 0.00     |

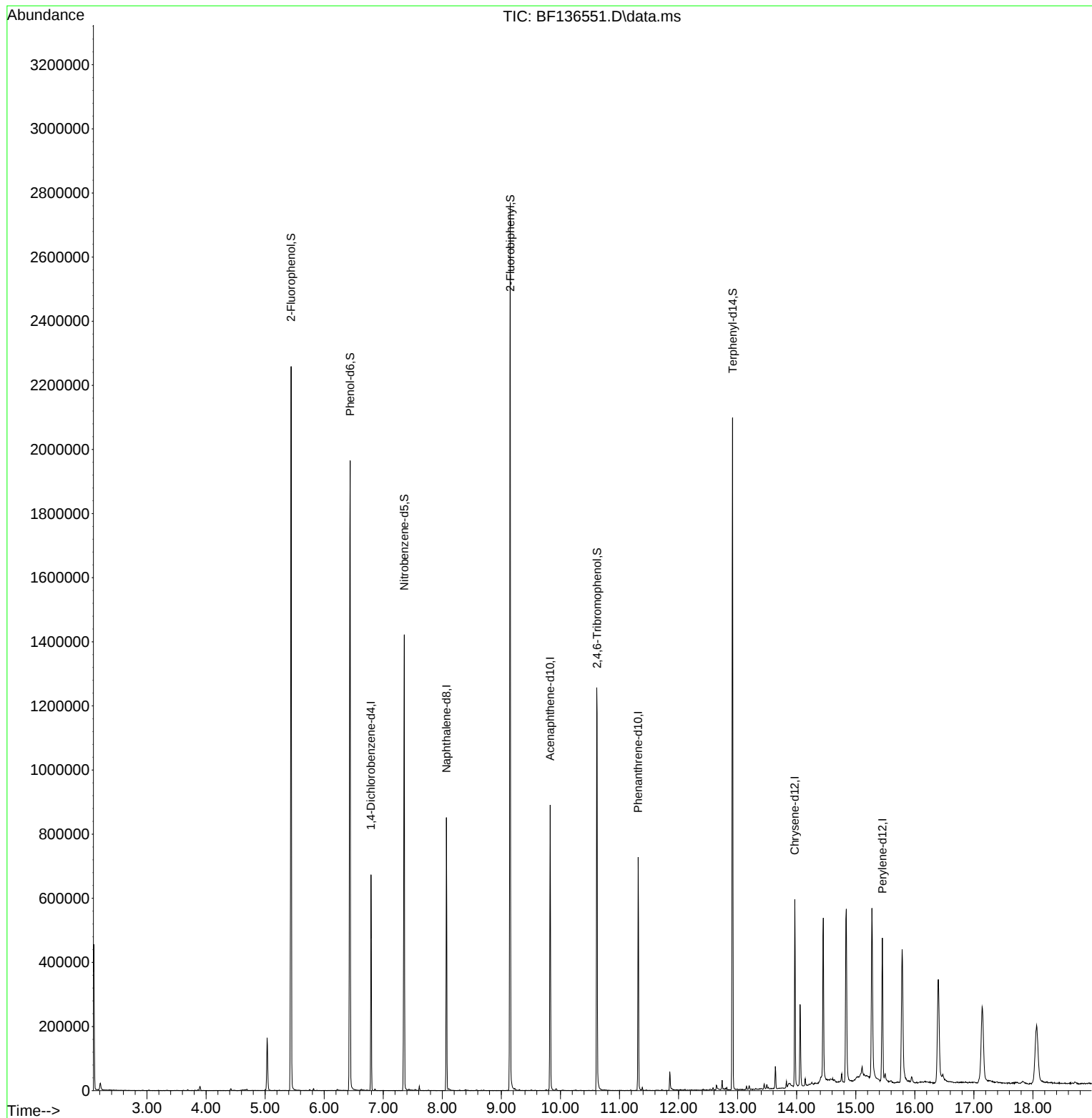
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

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

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BNA\_F  
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Quant Time: Dec 14 01:46:09 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

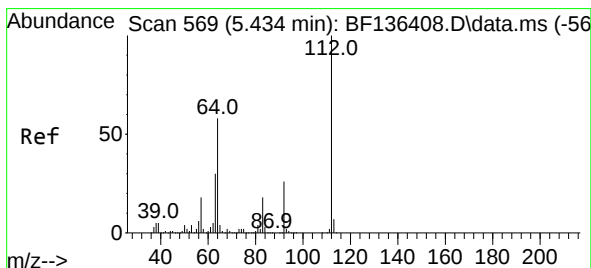
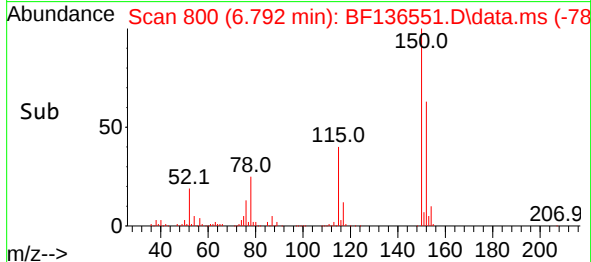
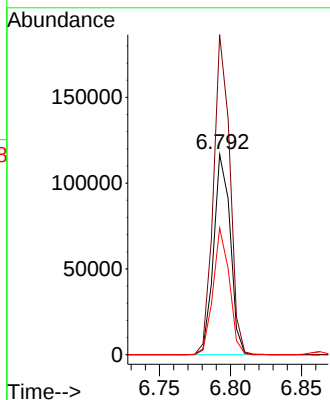
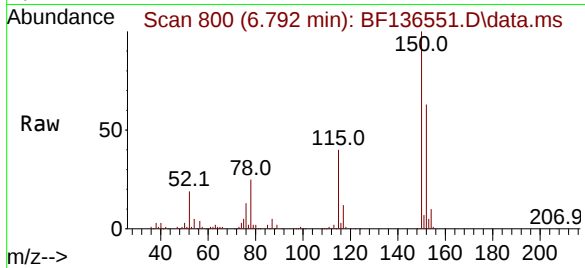




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.792 min Scan# 80  
Delta R.T. -0.012 min  
Lab File: BF136551.D  
Acq: 13 Dec 2023 22:22

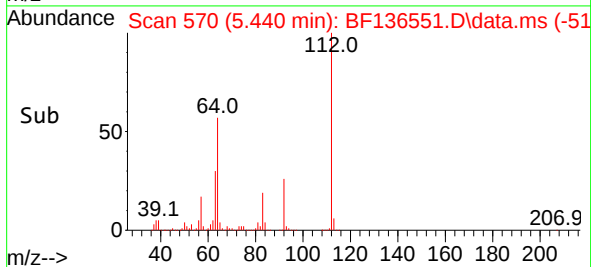
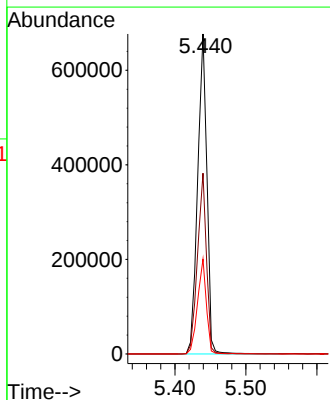
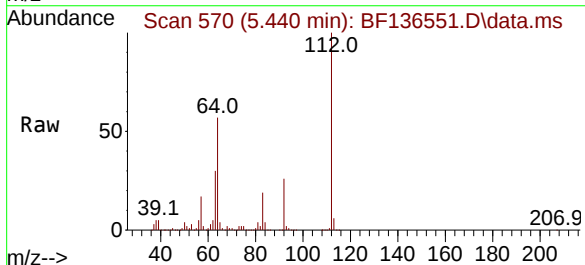
Instrument :  
BNA\_F  
ClientSampleId :  
14TH-SOIL-1

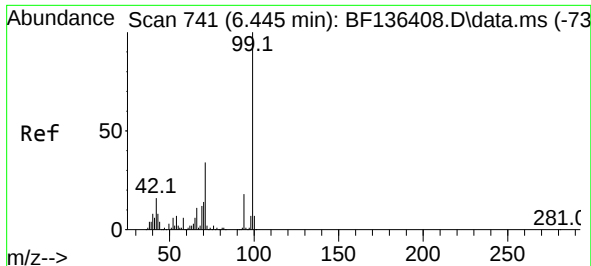
Tgt Ion:152 Resp: 94782  
Ion Ratio Lower Upper  
152 100  
150 159.7 126.4 189.6  
115 63.3 48.2 72.4



#5  
2-Fluorophenol  
Concen: 95.944 ng  
RT: 5.440 min Scan# 570  
Delta R.T. 0.006 min  
Lab File: BF136551.D  
Acq: 13 Dec 2023 22:22

Tgt Ion:112 Resp: 615761  
Ion Ratio Lower Upper  
112 100  
64 56.5 46.5 69.7  
63 29.6 23.9 35.9

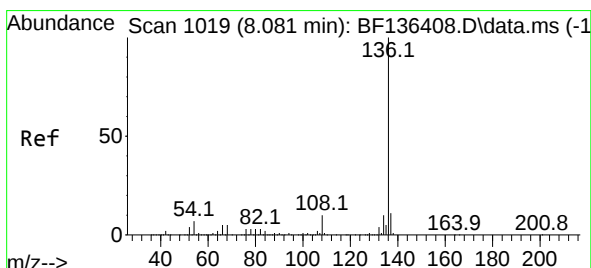
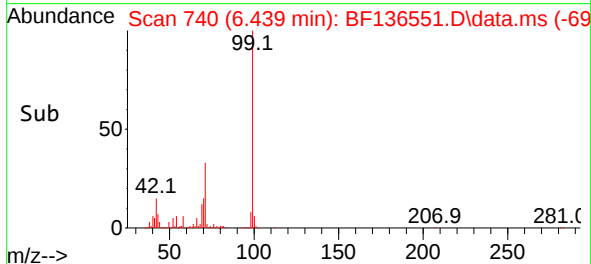
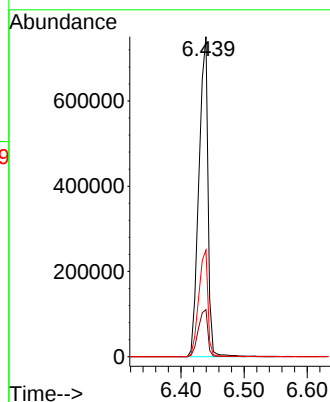
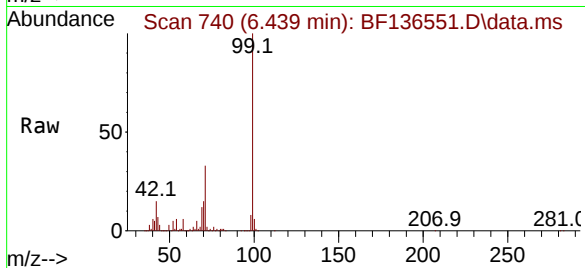




#7  
Phenol-d6  
Concen: 93.752 ng  
RT: 6.439 min Scan# 741  
Delta R.T. -0.006 min  
Lab File: BF136551.D  
Acq: 13 Dec 2023 22:22

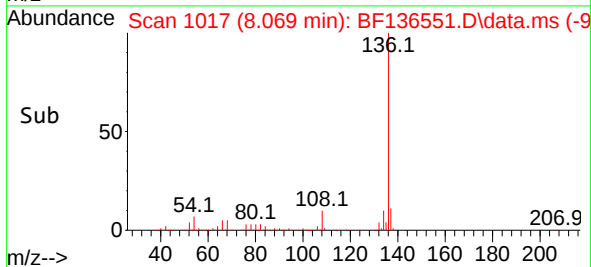
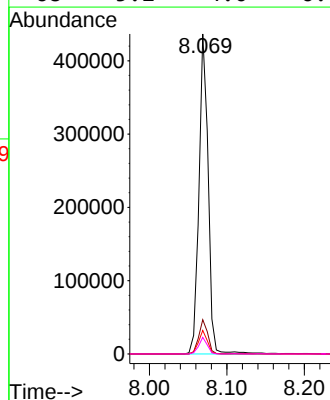
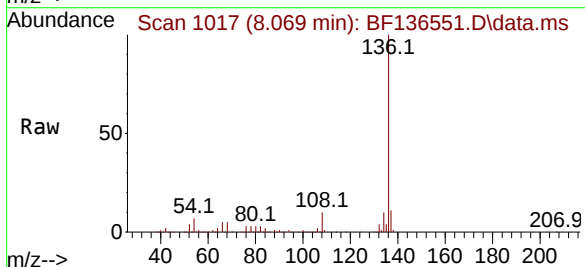
Instrument :  
BNA\_F  
ClientSampleId :  
14TH-SOIL-1

Tgt Ion: 99 Resp: 750710  
Ion Ratio Lower Upper  
99 100  
42 14.7 12.8 19.2  
71 33.4 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: BF136551.D  
Acq: 13 Dec 2023 22:22

Tgt Ion:136 Resp: 360202  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.6 12.8  
54 7.3 5.7 8.5  
68 5.2 4.0 6.0





#23

Nitrobenzene-d5

Concen: 66.575 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136551.D

Acq: 13 Dec 2023 22:22

Instrument :

BNA\_F

ClientSampleId :

14TH-SOIL-1

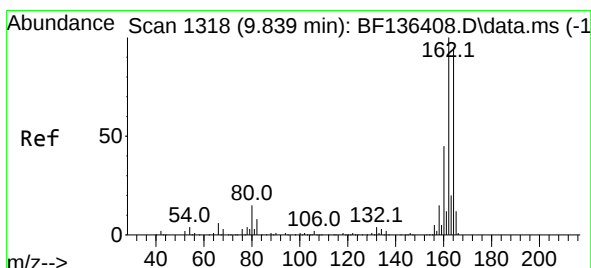
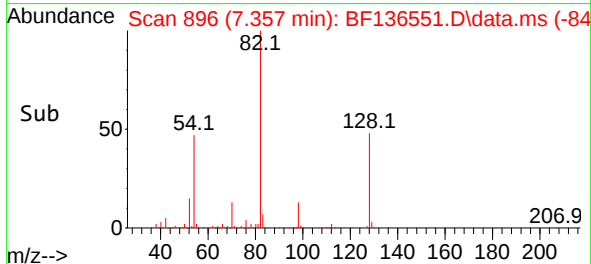
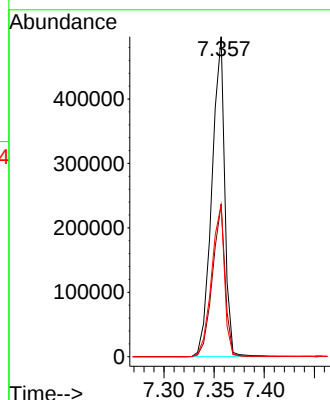
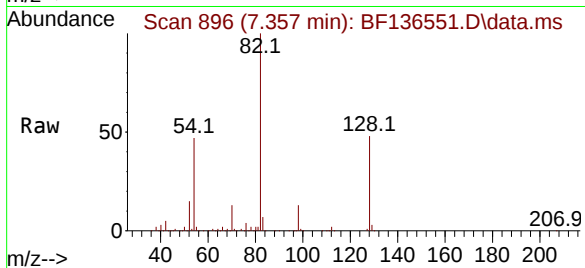
Tgt Ion: 82 Resp: 443584

Ion Ratio Lower Upper

82 100

128 47.8 36.3 54.5

54 47.4 39.0 58.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.827 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF136551.D

Acq: 13 Dec 2023 22:22

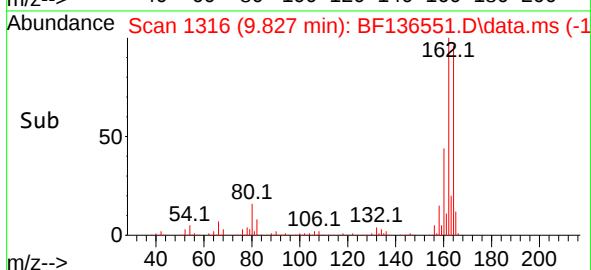
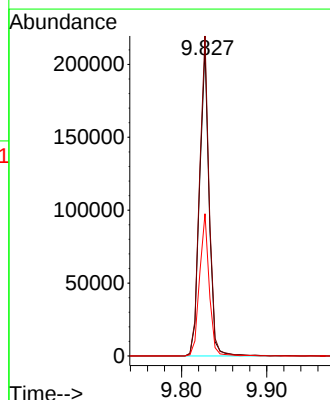
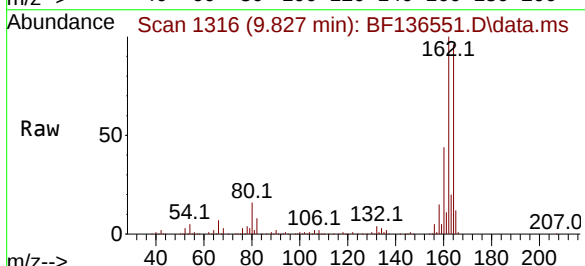
Tgt Ion:164 Resp: 164901

Ion Ratio Lower Upper

164 100

162 104.1 84.4 126.6

160 46.3 37.6 56.4

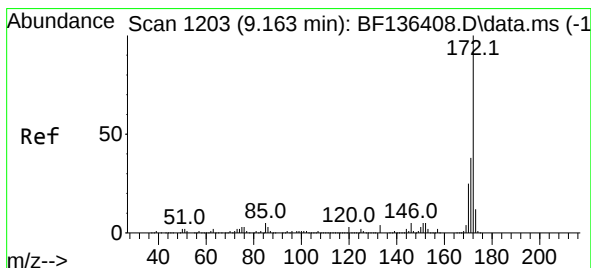
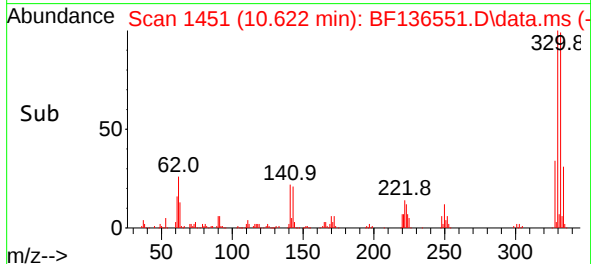
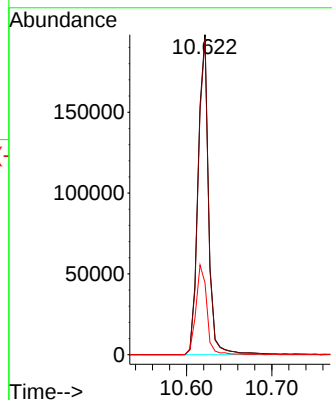
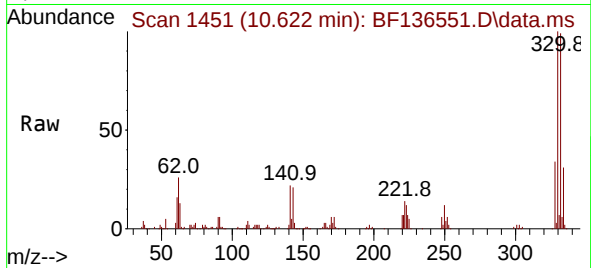




#42  
2,4,6-Tribromophenol  
Concen: 83.405 ng  
RT: 10.622 min Scan# 1451  
Delta R.T. -0.012 min  
Lab File: BF136551.D  
Acq: 13 Dec 2023 22:22

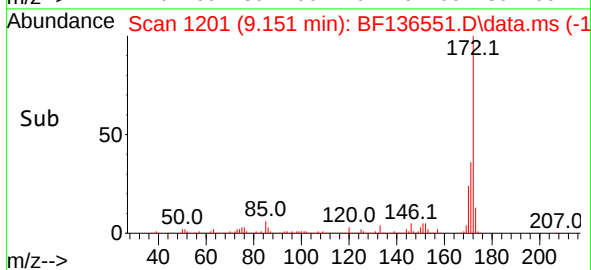
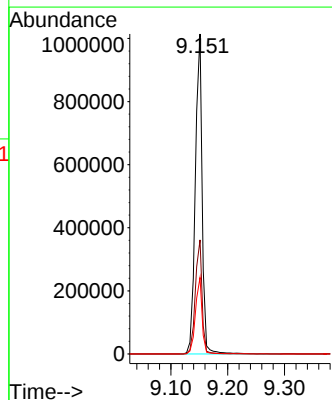
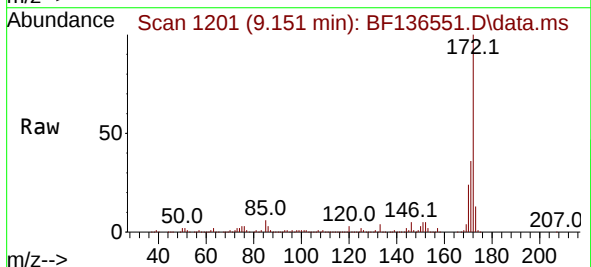
Instrument :  
BNA\_F  
ClientSampleId :  
14TH-SOIL-1

Tgt Ion:330 Resp: 169582  
Ion Ratio Lower Upper  
330 100  
332 98.1 76.4 114.6  
141 29.1 23.4 35.2



#45  
2-Fluorobiphenyl  
Concen: 70.540 ng  
RT: 9.151 min Scan# 1201  
Delta R.T. -0.012 min  
Lab File: BF136551.D  
Acq: 13 Dec 2023 22:22

Tgt Ion:172 Resp: 852481  
Ion Ratio Lower Upper  
172 100  
171 35.6 30.5 45.7  
170 23.9 19.9 29.9

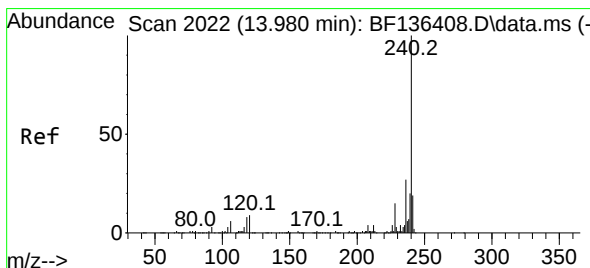
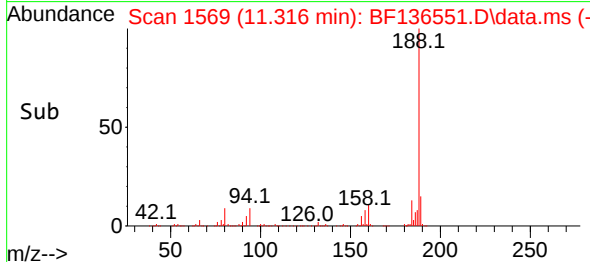
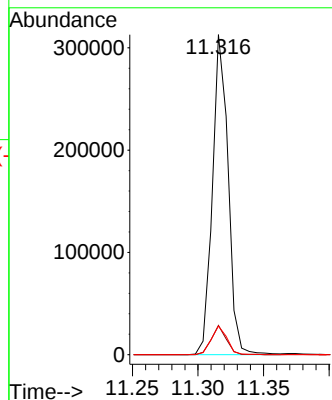
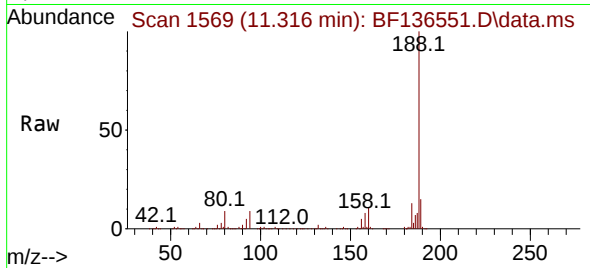




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.316 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF136551.D  
Acq: 13 Dec 2023 22:22

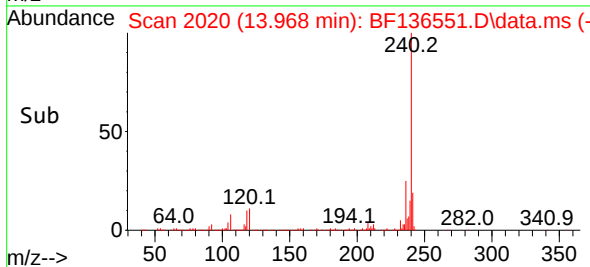
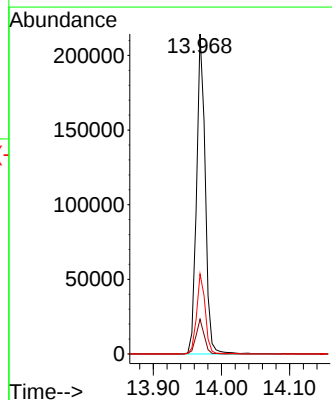
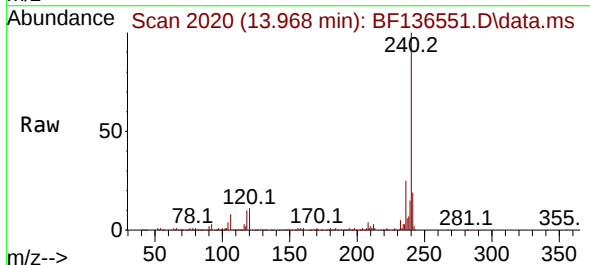
Instrument :  
BNA\_F  
ClientSampleId :  
14TH-SOIL-1

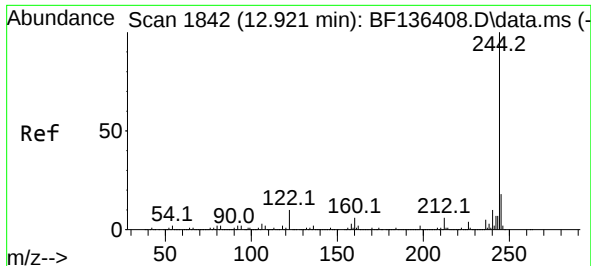
Tgt Ion:188 Resp: 260880  
Ion Ratio Lower Upper  
188 100  
94 9.2 7.2 10.8  
80 9.0 7.2 10.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.968 min Scan# 2020  
Delta R.T. -0.012 min  
Lab File: BF136551.D  
Acq: 13 Dec 2023 22:22

Tgt Ion:240 Resp: 189551  
Ion Ratio Lower Upper  
240 100  
120 10.9 7.3 10.9  
236 25.0 21.3 31.9

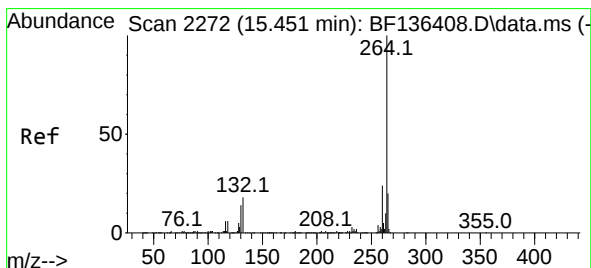
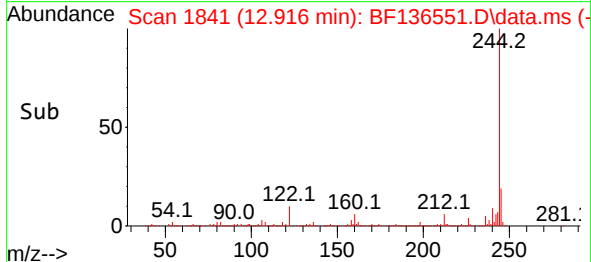
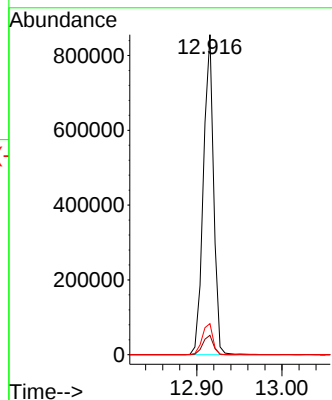
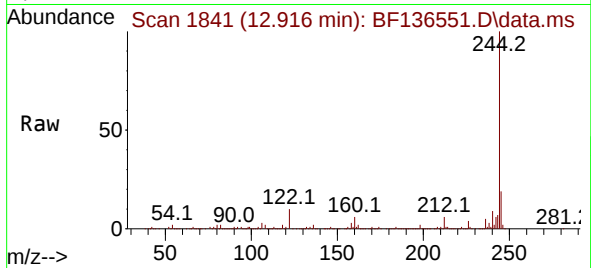




#79  
 Terphenyl-d14  
 Concen: 49.490 ng  
 RT: 12.916 min Scan# 1841  
 Delta R.T. -0.006 min  
 Lab File: BF136551.D  
 Acq: 13 Dec 2023 22:22

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

Tgt Ion:244 Resp: 711720  
 Ion Ratio Lower Upper  
 244 100  
 212 6.1 5.0 7.4  
 122 9.7 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: BF136551.D  
 Acq: 13 Dec 2023 22:22

Tgt Ion:264 Resp: 208895  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 19.2 28.8  
 265 21.2 15.9 23.9

