

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF012022\  
 Data File : BF126625.D  
 Acq On : 20 Jan 2022 21:39  
 Operator : CG/JU  
 Sample : N1189-27  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MTR-SOIL-14

Quant Time: Jan 21 04:15:45 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011822.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 19 07:04:14 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.963  | 152  | 111621   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.245  | 136  | 435697   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 10.004 | 164  | 245934   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.498 | 188  | 434050   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.145 | 240  | 283811   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12            | 15.674 | 264  | 220200   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.581  | 112  | 679156   | 80.066 | ng    | 0.00     |
| 7) Phenol-d6                | 6.575  | 99   | 945740   | 80.247 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.522  | 82   | 709698   | 63.756 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.792 | 330  | 189064   | 82.146 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.322  | 172  | 898527   | 55.954 | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.086 | 244  | 982264   | 58.050 | ng    | 0.00     |

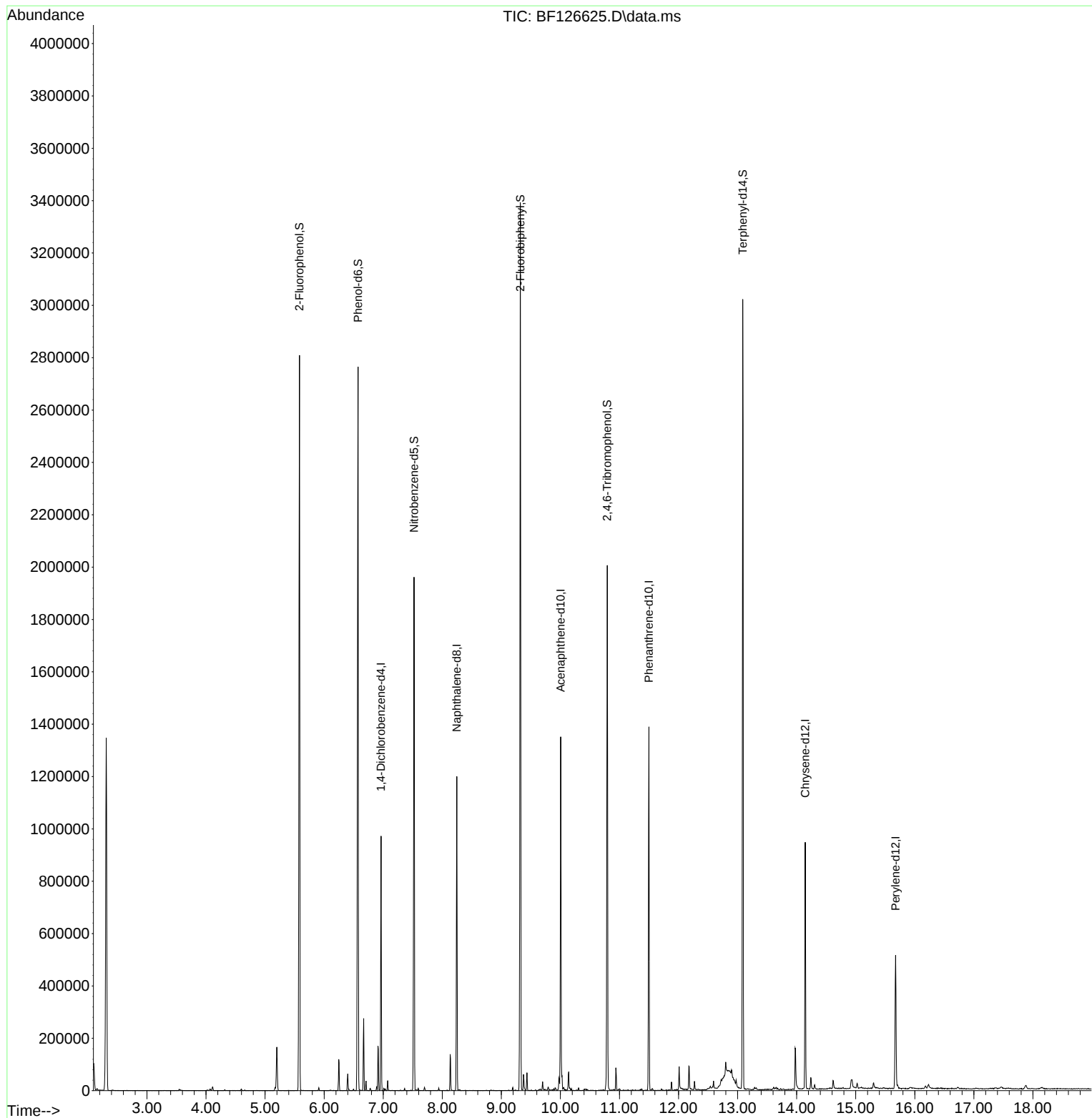
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

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

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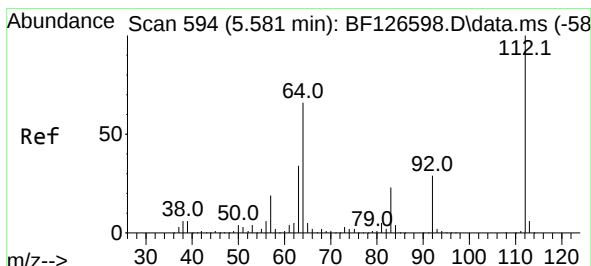
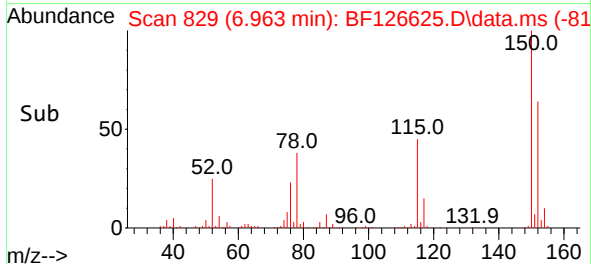
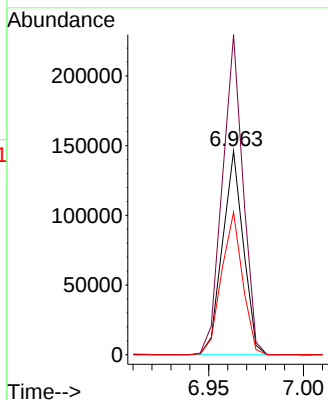
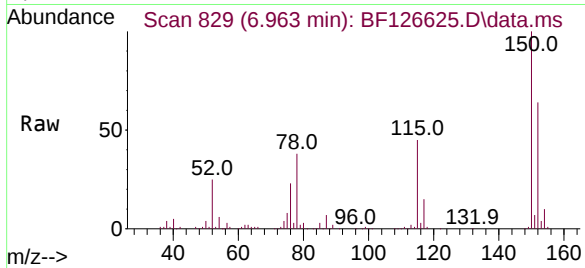




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.963 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF126625.D  
Acq: 20 Jan 2022 21:39

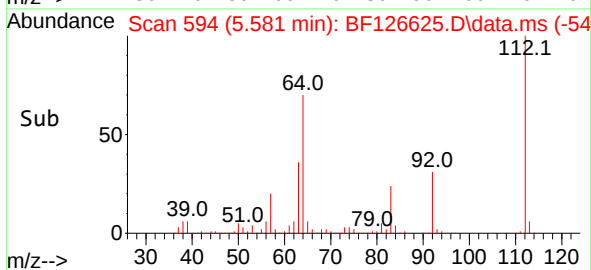
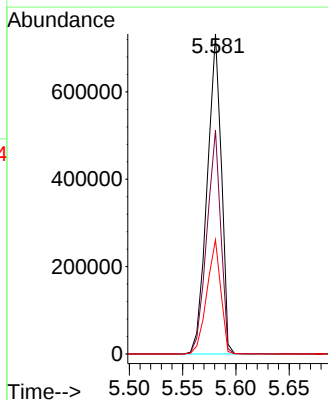
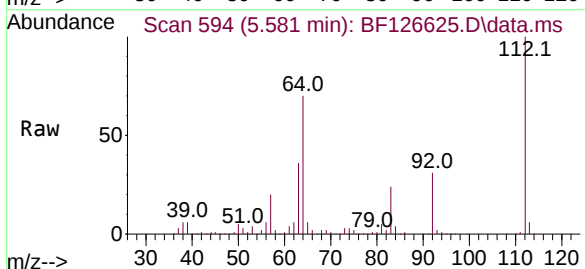
Instrument :  
BNA\_F  
ClientSampleId :  
MTR-SOIL-14

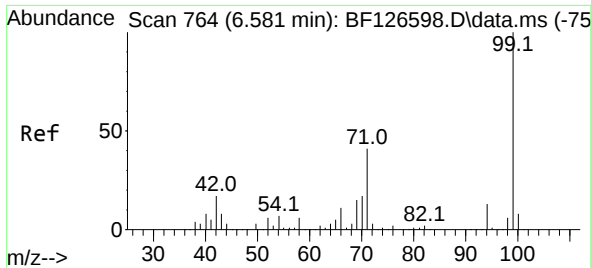
Tgt Ion:152 Resp: 111621  
Ion Ratio Lower Upper  
152 100  
150 157.1 128.1 192.1  
115 69.9 56.7 85.1



#5  
2-Fluorophenol  
Concen: 80.066 ng  
RT: 5.581 min Scan# 594  
Delta R.T. -0.000 min  
Lab File: BF126625.D  
Acq: 20 Jan 2022 21:39

Tgt Ion:112 Resp: 679156  
Ion Ratio Lower Upper  
112 100  
64 69.9 49.5 74.3  
63 35.7 23.9 35.9

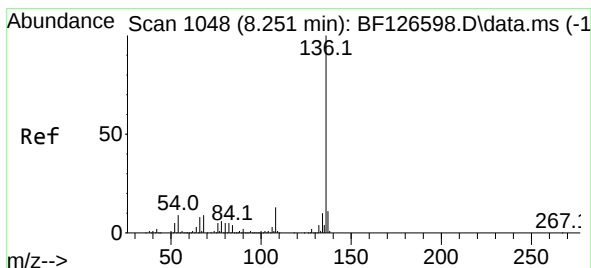
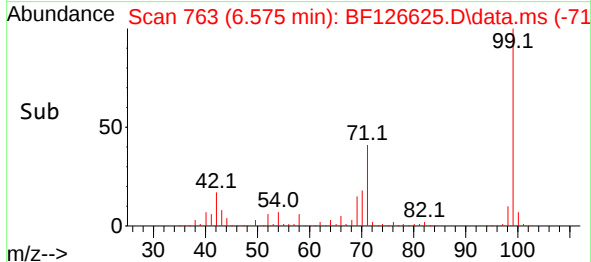
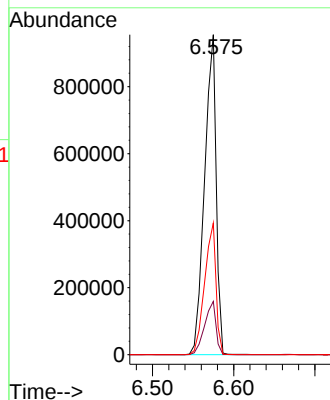
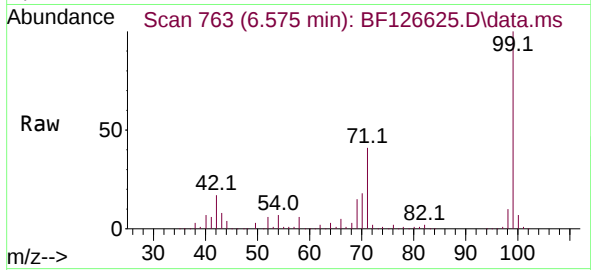




#7  
Phenol-d6  
Concen: 80.247 ng  
RT: 6.575 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF126625.D  
Acq: 20 Jan 2022 21:39

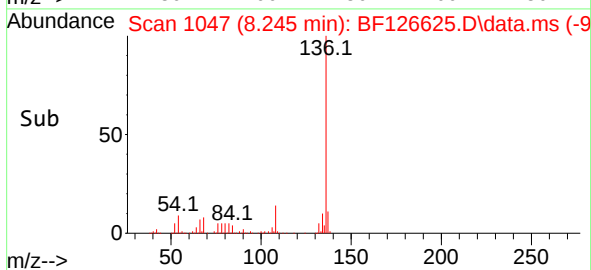
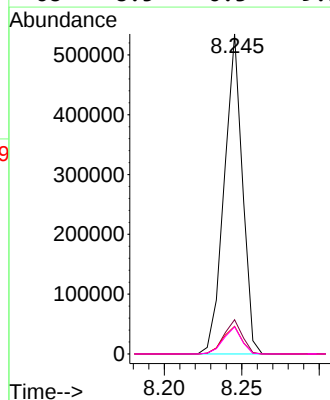
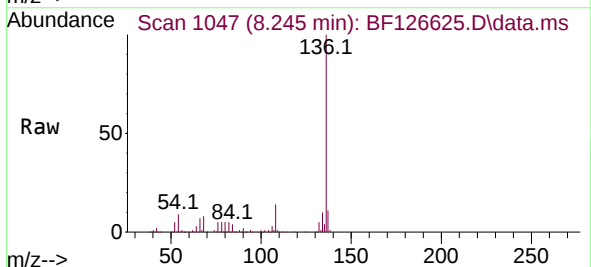
Instrument :  
BNA\_F  
ClientSampleId :  
MTR-SOIL-14

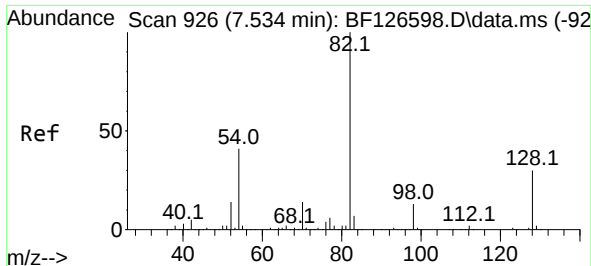
Tgt Ion: 99 Resp: 945740  
Ion Ratio Lower Upper  
99 100  
42 16.6 14.2 21.4  
71 41.1 24.3 36.5#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.245 min Scan# 1047  
Delta R.T. -0.006 min  
Lab File: BF126625.D  
Acq: 20 Jan 2022 21:39

Tgt Ion: 136 Resp: 435697  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.6 13.0  
54 8.7 7.8 11.6  
68 8.5 6.3 9.5

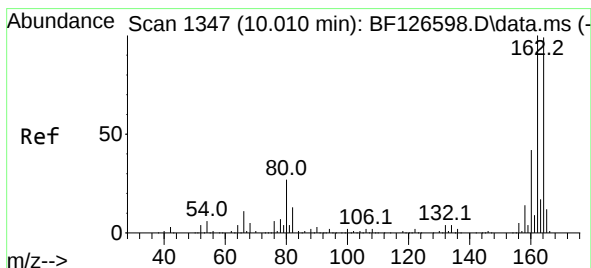
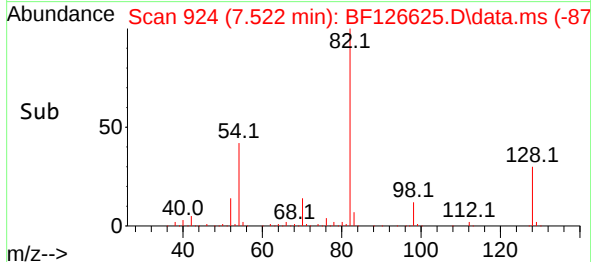
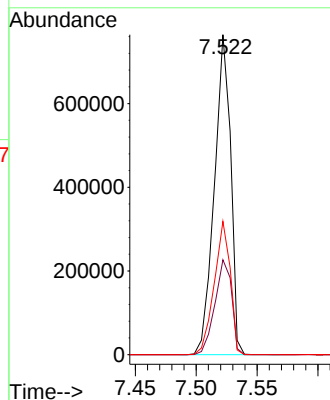
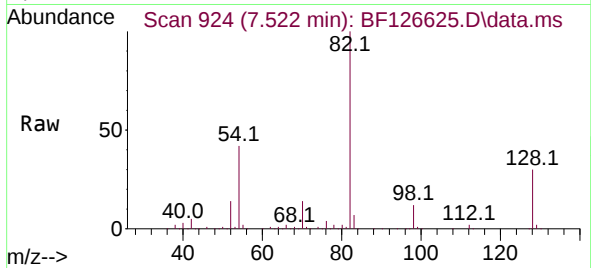




#23  
 Nitrobenzene-d5  
 Concen: 63.756 ng  
 RT: 7.522 min Scan# 91  
 Delta R.T. -0.012 min  
 Lab File: BF126625.D  
 Acq: 20 Jan 2022 21:39

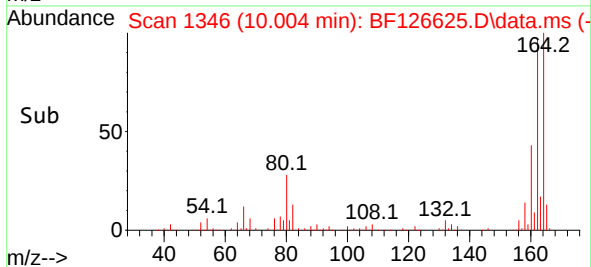
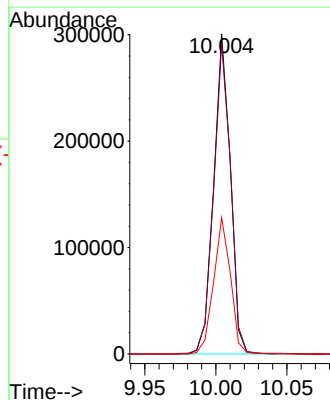
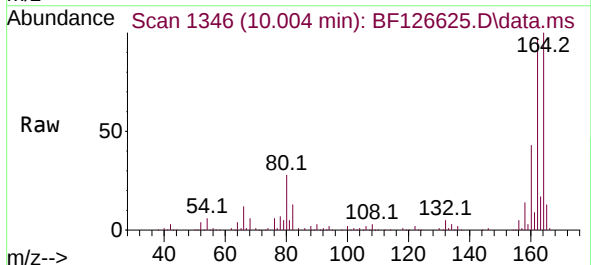
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MTR-SOIL-14

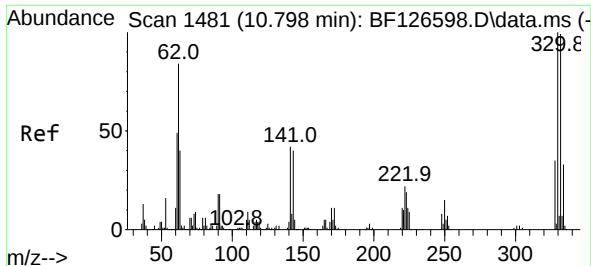
Tgt Ion: 82 Resp: 709698  
 Ion Ratio Lower Upper  
 82 100  
 128 29.7 32.7 49.1#  
 54 41.6 41.7 62.5#



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.004 min Scan# 1346  
 Delta R.T. -0.006 min  
 Lab File: BF126625.D  
 Acq: 20 Jan 2022 21:39

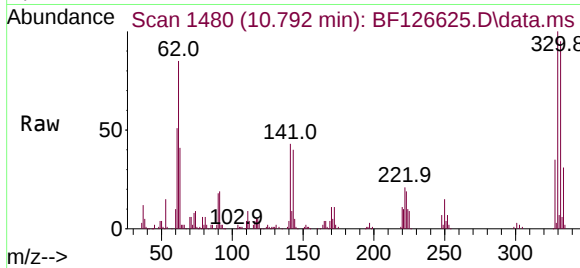
Tgt Ion: 164 Resp: 245934  
 Ion Ratio Lower Upper  
 164 100  
 162 96.9 81.4 122.0  
 160 42.6 36.6 54.8



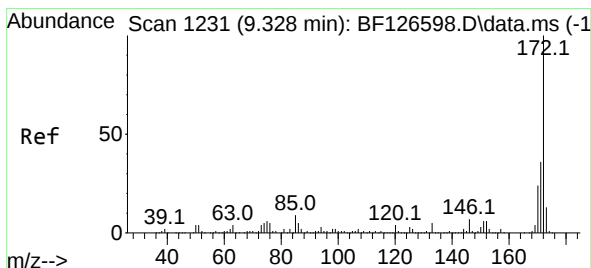
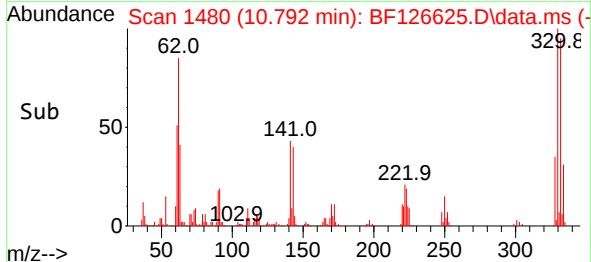
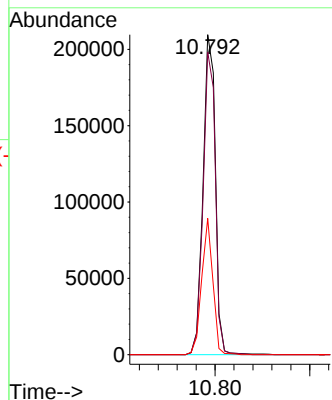


#42  
2,4,6-Tribromophenol  
Concen: 82.146 ng  
RT: 10.792 min Scan# 1481  
Delta R.T. -0.006 min  
Lab File: BF126625.D  
Acq: 20 Jan 2022 21:39

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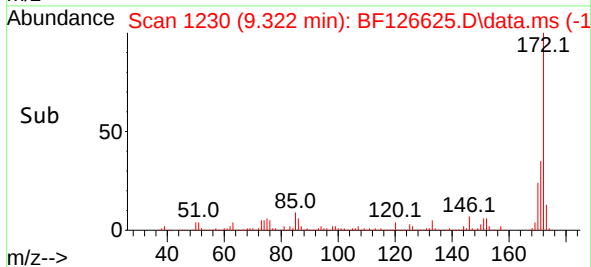
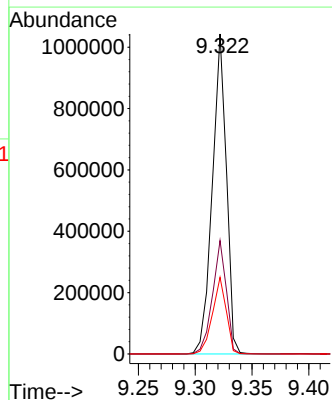
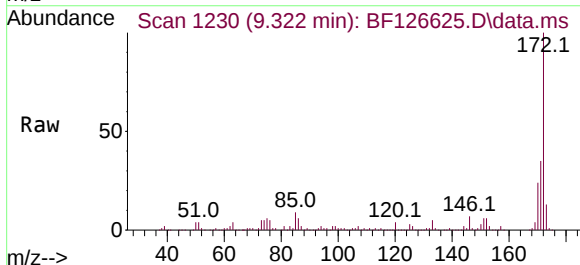


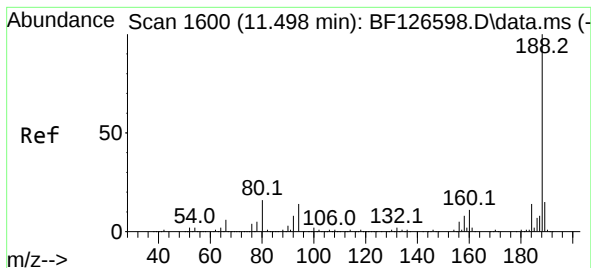
Tgt Ion: 330 Resp: 189064  
Ion Ratio Lower Upper  
330 100  
332 94.0 76.0 114.0  
141 38.6 30.1 45.1



#45  
2-Fluorobiphenyl  
Concen: 55.954 ng  
RT: 9.322 min Scan# 1230  
Delta R.T. -0.006 min  
Lab File: BF126625.D  
Acq: 20 Jan 2022 21:39

Tgt Ion: 172 Resp: 898527  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.3 42.5  
170 24.0 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.498 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF126625.D

Acq: 20 Jan 2022 21:39

Instrument :

BNA\_F

ClientSampleId :

MTR-SOIL-14

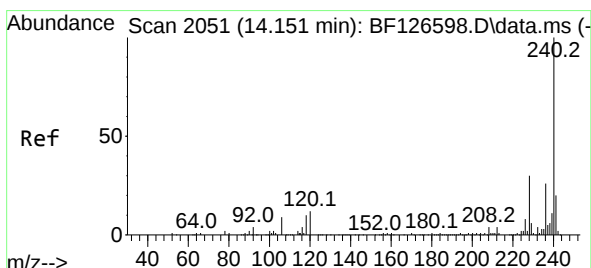
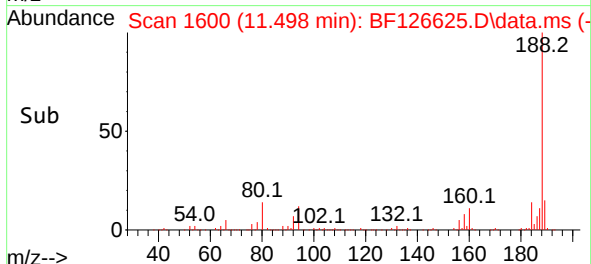
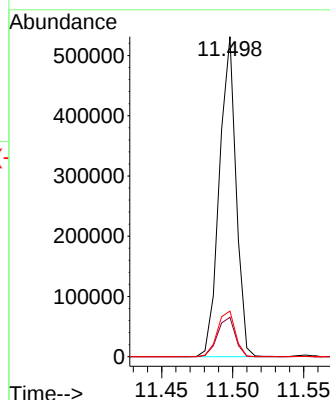
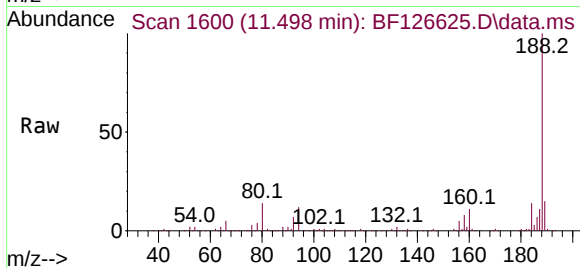
Tgt Ion:188 Resp: 434050

Ion Ratio Lower Upper

188 100

94 12.3 10.1 15.1

80 14.2 11.8 17.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.145 min Scan# 2050

Delta R.T. -0.006 min

Lab File: BF126625.D

Acq: 20 Jan 2022 21:39

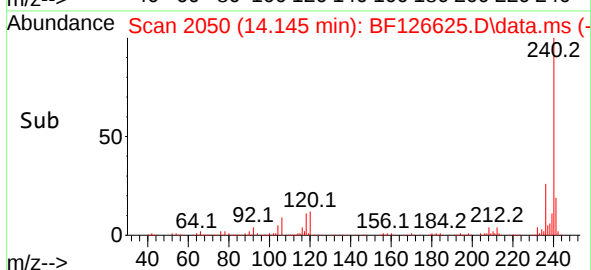
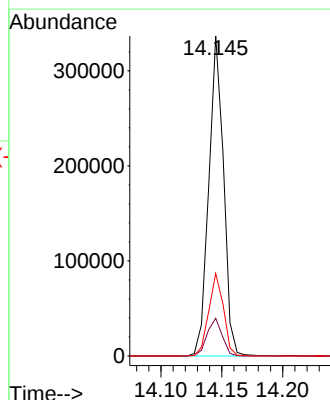
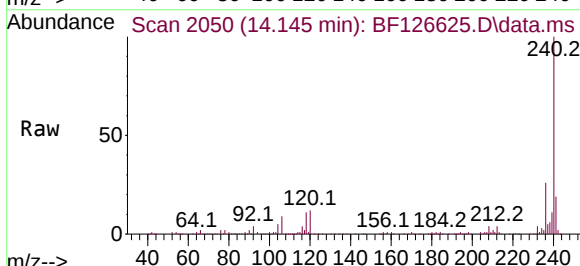
Tgt Ion:240 Resp: 283811

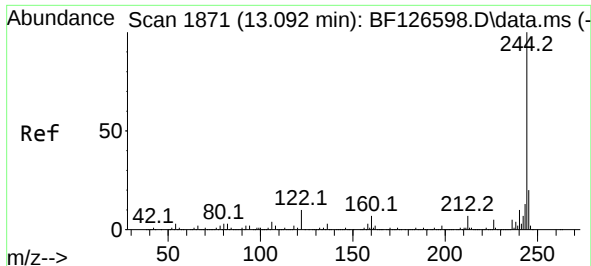
Ion Ratio Lower Upper

240 100

120 11.8 14.4 21.6#

236 25.7 20.5 30.7

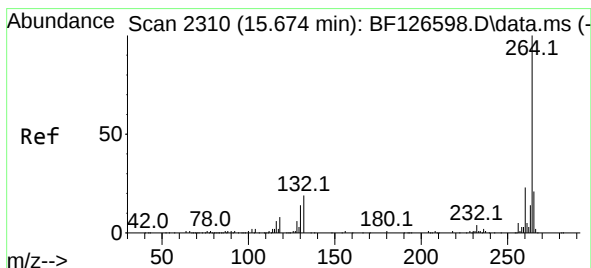
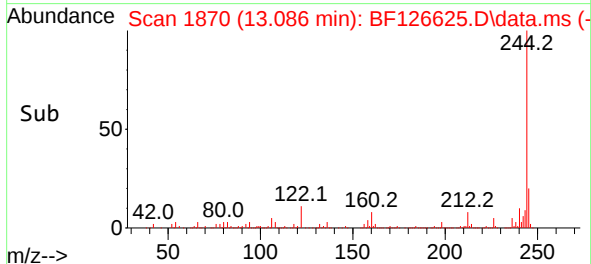
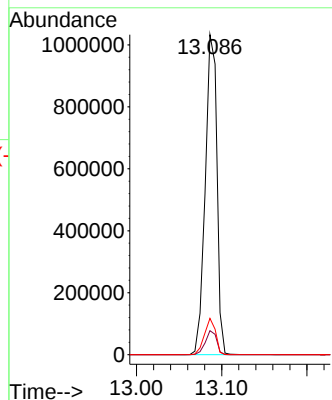
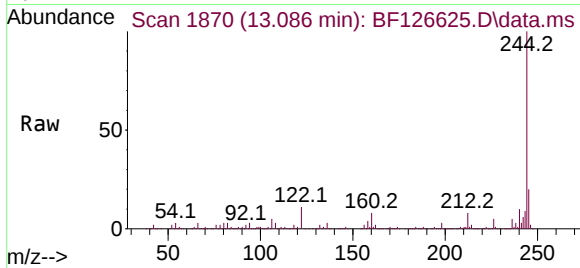




#79  
 Terphenyl-d14  
 Concen: 58.050 ng  
 RT: 13.086 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BF126625.D  
 Acq: 20 Jan 2022 21:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MTR-SOIL-14

Tgt Ion:244 Resp: 982264  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 5.0 7.4#  
 122 11.4 13.3 19.9#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.674 min Scan# 2310  
 Delta R.T. -0.000 min  
 Lab File: BF126625.D  
 Acq: 20 Jan 2022 21:39

Tgt Ion:264 Resp: 220200  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 19.2 28.8  
 265 20.9 17.4 26.2

