

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100923\  
 Data File : BF135671.D  
 Acq On : 10 Oct 2023 01:46  
 Operator : CG\JU  
 Sample : 04778-04  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-2

Quant Time: Oct 10 02:33:06 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 04 17:06:20 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.739  | 152  | 110002   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.016  | 136  | 415532   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.774  | 164  | 196062   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.268 | 188  | 332586   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.933 | 240  | 207091   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 15.403 | 264  | 201374   | 20.000 | ng    | 0.02     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.375  | 112  | 519784   | 76.853 | ng    | 0.00     |
| 7) Phenol-d6                | 6.386  | 99   | 648647   | 75.424 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.304  | 82   | 394904   | 51.632 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.574 | 330  | 137864   | 70.758 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.092  | 172  | 657343   | 50.583 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.863 | 244  | 518433   | 38.808 | ng    | 0.00     |

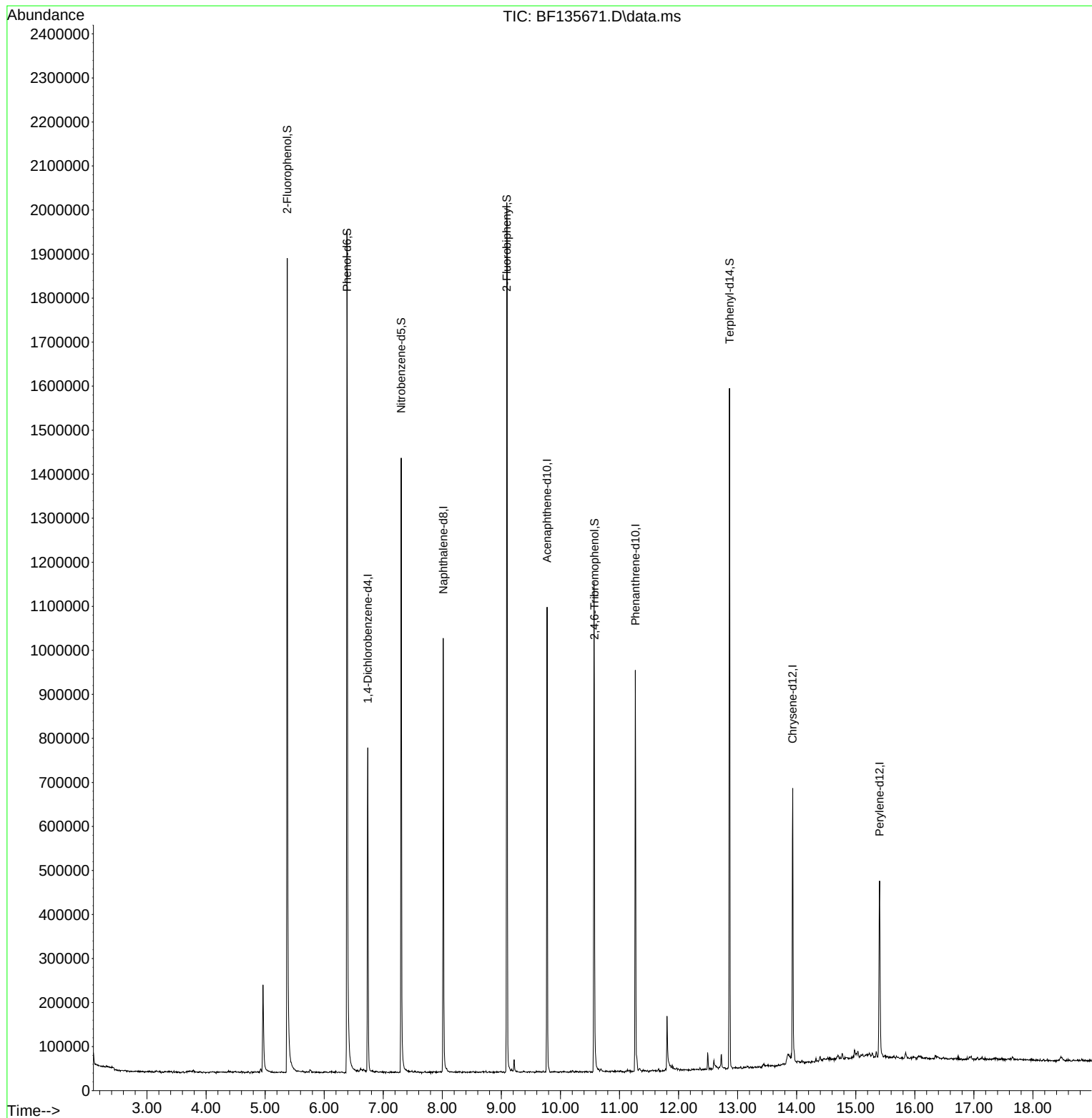
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

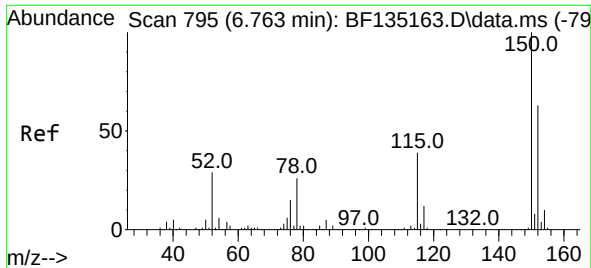
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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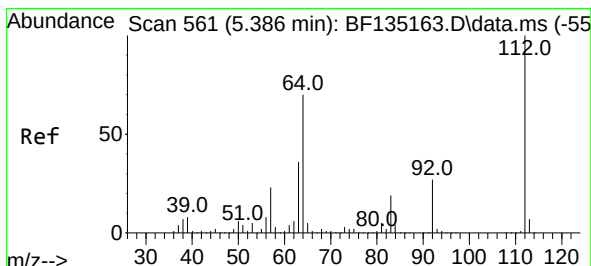
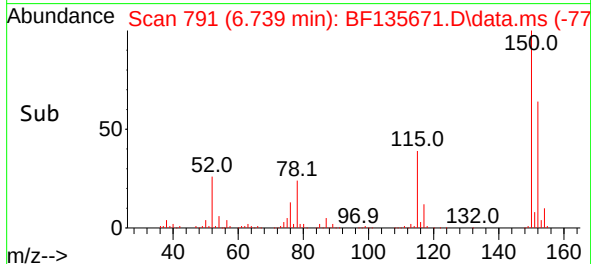
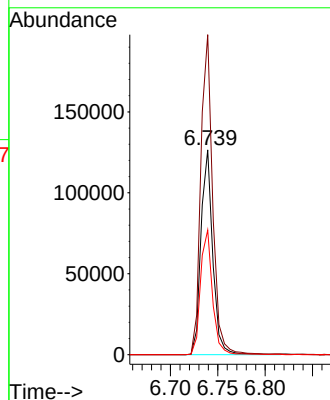
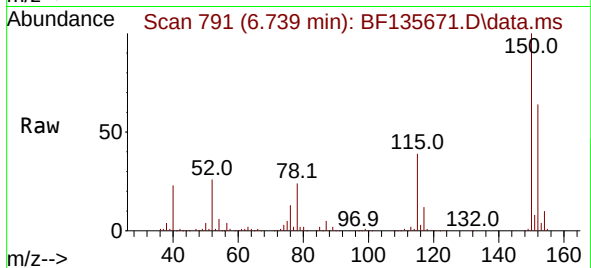




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.739 min Scan# 795  
Delta R.T. 0.000 min  
Lab File: BF135671.D  
Acq: 10 Oct 2023 01:46

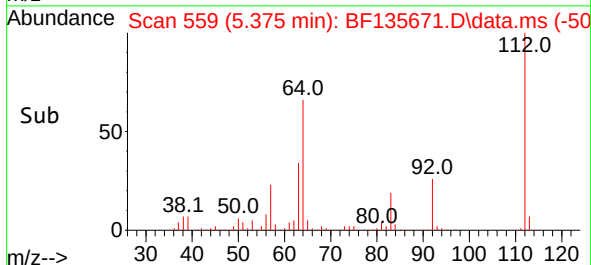
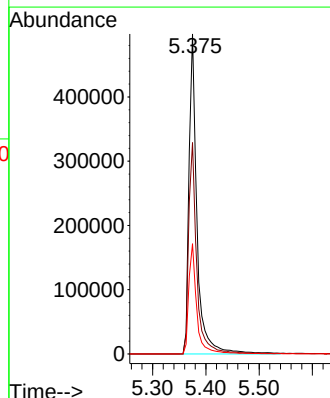
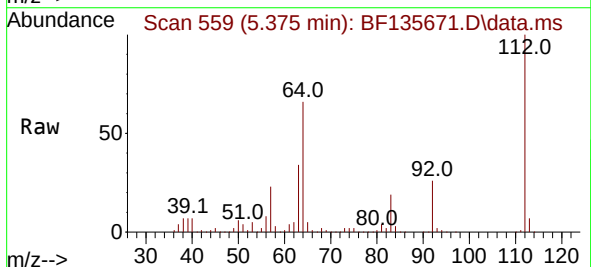
Instrument :  
BNA\_F  
ClientSampleId :  
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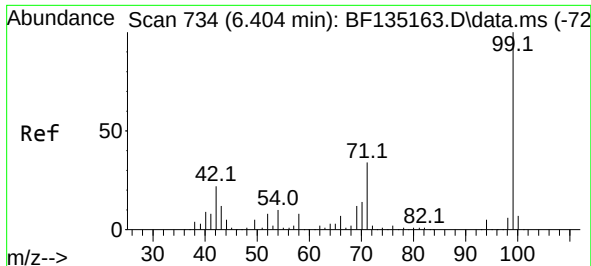
Tgt Ion:152 Resp: 110002  
Ion Ratio Lower Upper  
152 100  
150 156.2 127.8 191.6  
115 60.9 49.8 74.8



#5  
2-Fluorophenol  
Concen: 76.853 ng  
RT: 5.375 min Scan# 559  
Delta R.T. 0.006 min  
Lab File: BF135671.D  
Acq: 10 Oct 2023 01:46

Tgt Ion:112 Resp: 519784  
Ion Ratio Lower Upper  
112 100  
64 66.1 55.9 83.9  
63 34.5 29.0 43.6





#7

Phenol-d6

Concen: 75.424 ng

RT: 6.386 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF135671.D

Acq: 10 Oct 2023 01:46

Instrument :

BNA\_F

ClientSampleId :

SOIL-2

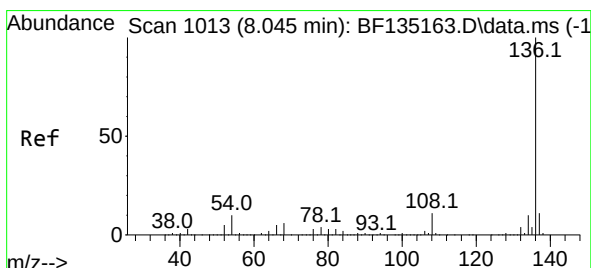
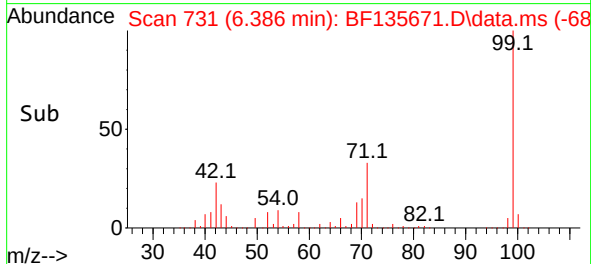
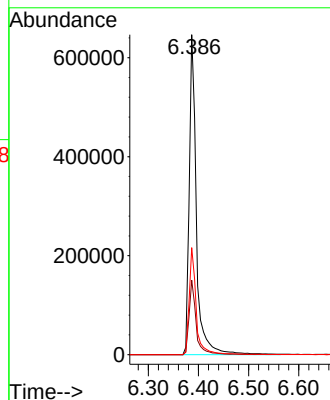
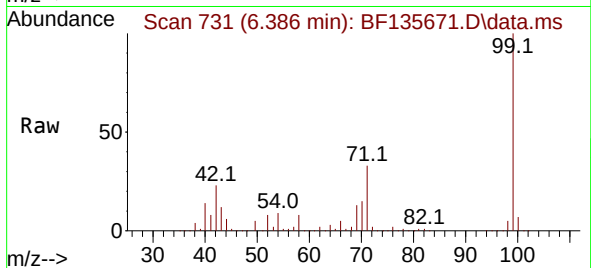
Tgt Ion: 99 Resp: 648647

Ion Ratio Lower Upper

99 100

42 23.3 17.9 26.9

71 33.5 27.0 40.6



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.016 min Scan# 1008

Delta R.T. -0.000 min

Lab File: BF135671.D

Acq: 10 Oct 2023 01:46

Tgt Ion: 136 Resp: 415532

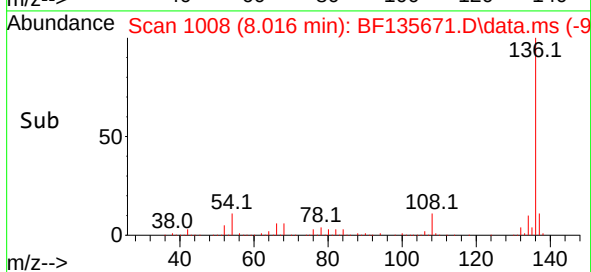
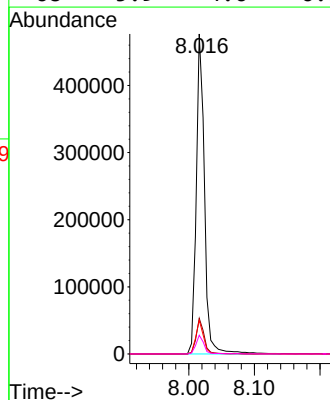
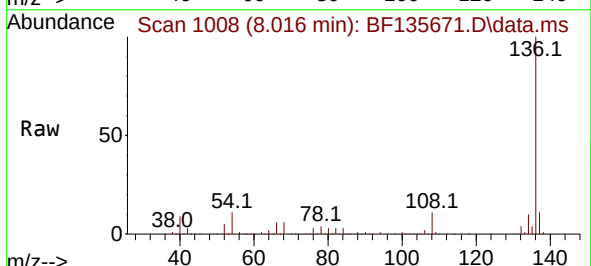
Ion Ratio Lower Upper

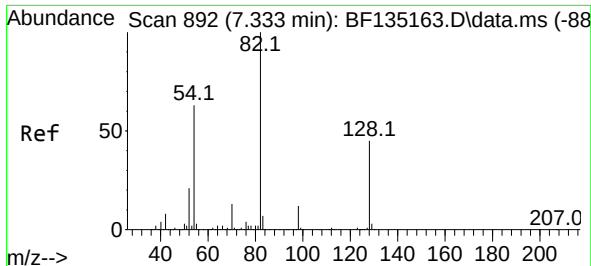
136 100

137 11.1 8.8 13.2

54 10.5 7.7 11.5

68 5.9 4.6 6.8





#23

Nitrobenzene-d5

Concen: 51.632 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF135671.D

Acq: 10 Oct 2023 01:46

Instrument :

BNA\_F

ClientSampleId :

SOIL-2

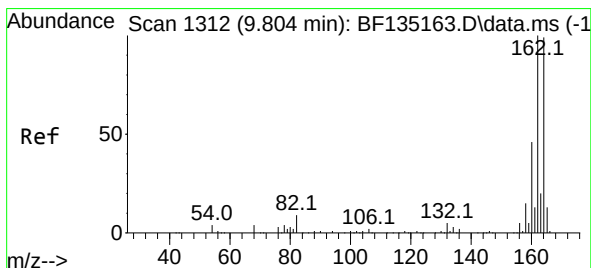
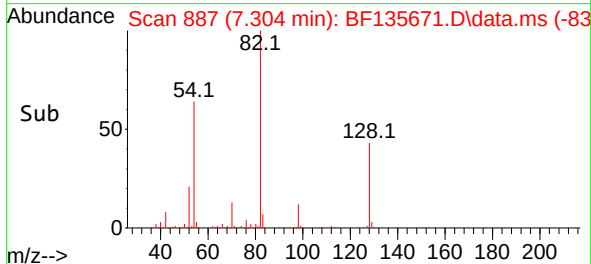
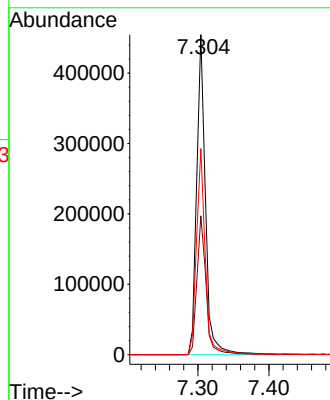
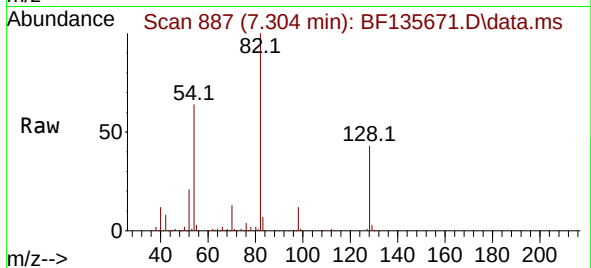
Tgt Ion: 82 Resp: 394904

Ion Ratio Lower Upper

82 100

128 43.4 35.8 53.6

54 64.4 50.6 76.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.774 min Scan# 1307

Delta R.T. -0.000 min

Lab File: BF135671.D

Acq: 10 Oct 2023 01:46

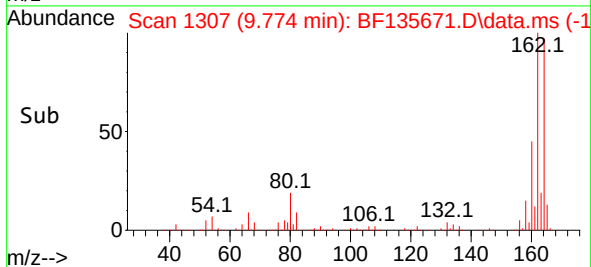
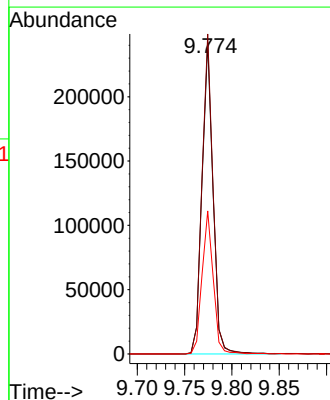
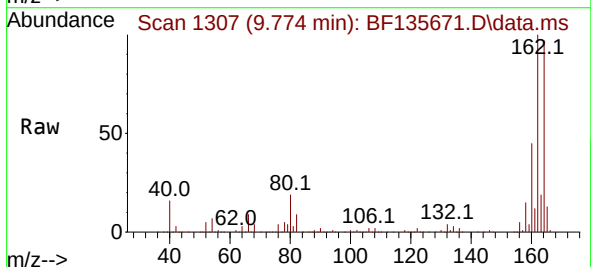
Tgt Ion: 164 Resp: 196062

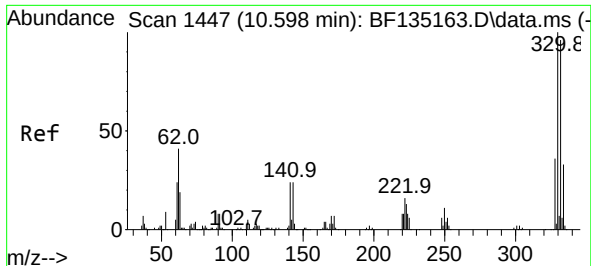
Ion Ratio Lower Upper

164 100

162 102.7 81.0 121.4

160 45.9 37.0 55.4

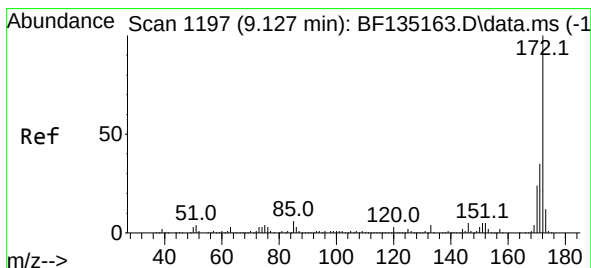
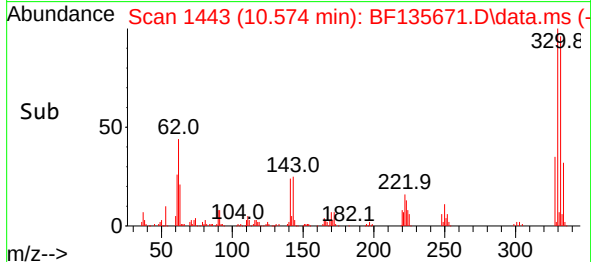
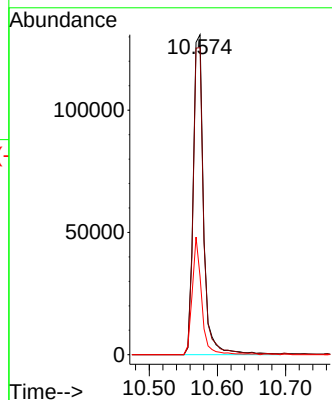
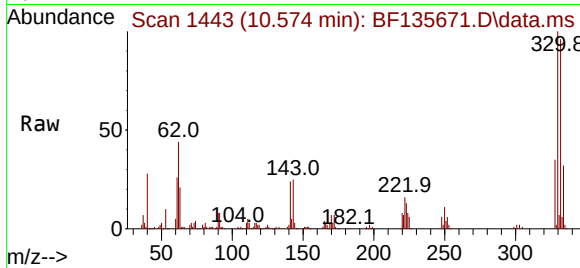




#42  
2,4,6-Tribromophenol  
Concen: 70.758 ng  
RT: 10.574 min Scan# 1443  
Delta R.T. 0.006 min  
Lab File: BF135671.D  
Acq: 10 Oct 2023 01:46

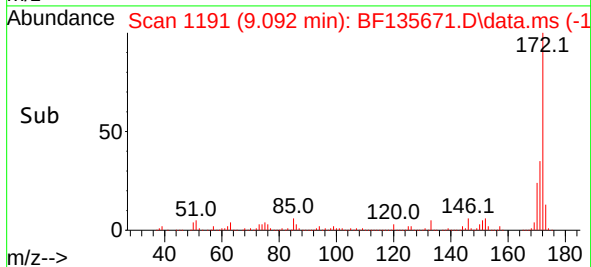
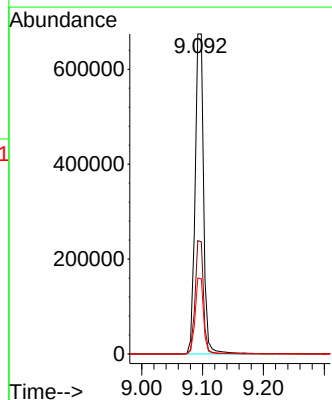
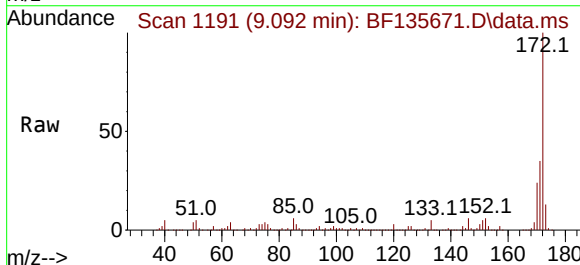
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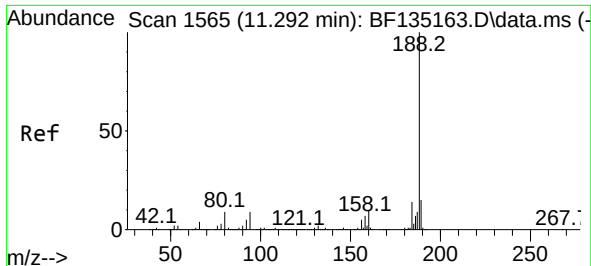
Tgt Ion: 330 Resp: 137864  
Ion Ratio Lower Upper  
330 100  
332 96.9 77.3 115.9  
141 32.9 25.8 38.8



#45  
2-Fluorobiphenyl  
Concen: 50.583 ng  
RT: 9.092 min Scan# 1191  
Delta R.T. -0.006 min  
Lab File: BF135671.D  
Acq: 10 Oct 2023 01:46

Tgt Ion: 172 Resp: 657343  
Ion Ratio Lower Upper  
172 100  
171 35.4 28.4 42.6  
170 23.7 19.0 28.4

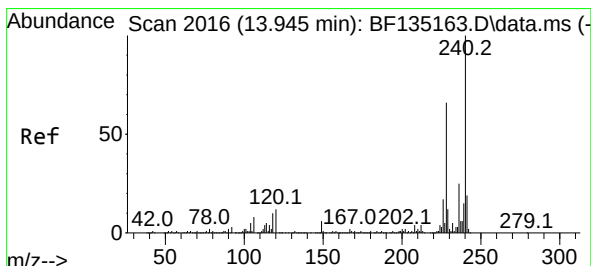
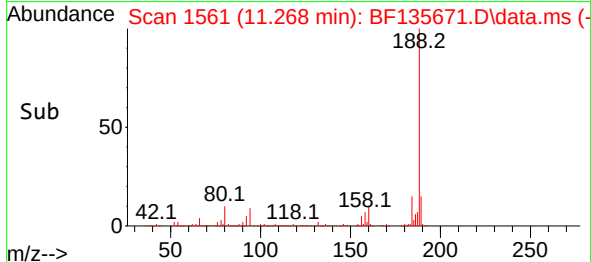
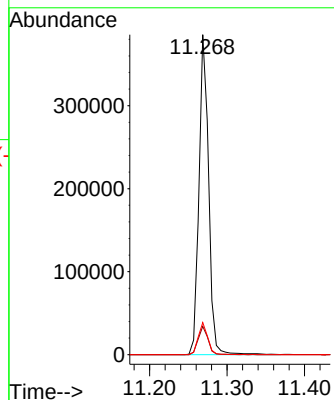
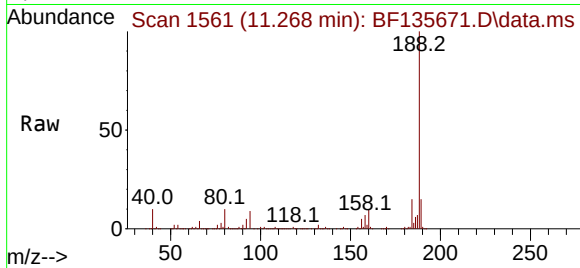




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.268 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF135671.D  
Acq: 10 Oct 2023 01:46

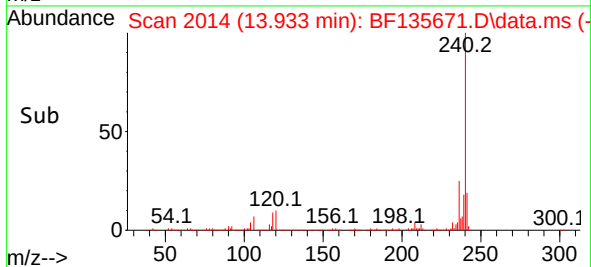
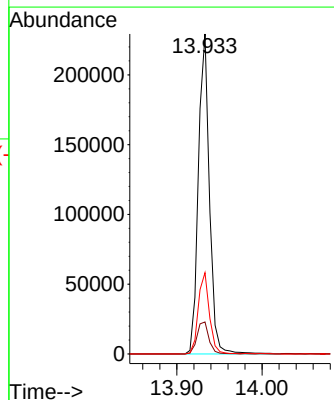
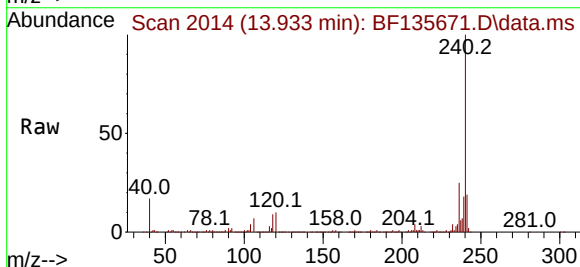
Instrument :  
BNA\_F  
ClientSampleId :  
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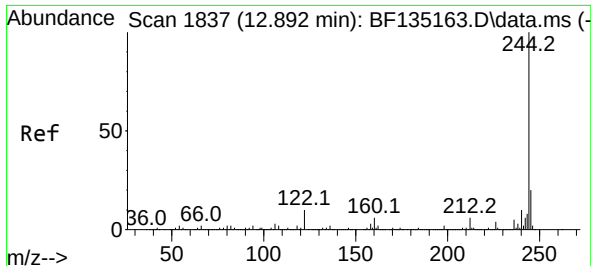
Tgt Ion:188 Resp: 332586  
Ion Ratio Lower Upper  
188 100  
94 8.9 7.0 10.6  
80 10.0 7.5 11.3



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.933 min Scan# 2014  
Delta R.T. 0.006 min  
Lab File: BF135671.D  
Acq: 10 Oct 2023 01:46

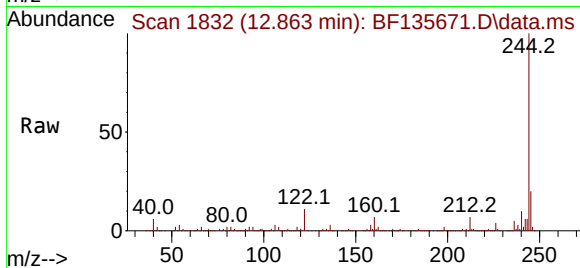
Tgt Ion:240 Resp: 207091  
Ion Ratio Lower Upper  
240 100  
120 10.0 9.4 14.2  
236 25.4 19.8 29.8



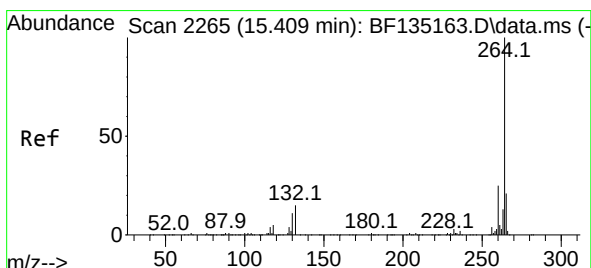
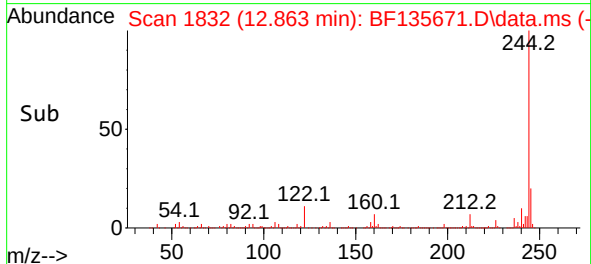
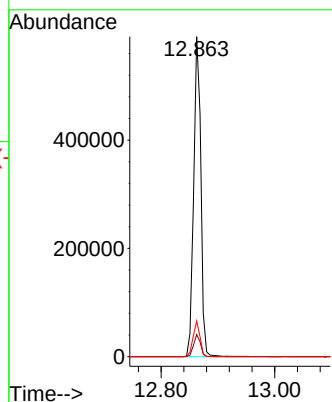


#79  
 Terphenyl-d14  
 Concen: 38.808 ng  
 RT: 12.863 min Scan# 1832  
 Delta R.T. -0.000 min  
 Lab File: BF135671.D  
 Acq: 10 Oct 2023 01:46

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-2



Tgt Ion:244 Resp: 518433  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.1 7.7  
 122 11.2 7.9 11.9



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.403 min Scan# 2264  
 Delta R.T. 0.018 min  
 Lab File: BF135671.D  
 Acq: 10 Oct 2023 01:46

Tgt Ion:264 Resp: 201374  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 19.8 29.6  
 265 20.7 17.0 25.4

