

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070523\  
 Data File : BF134079.D  
 Acq On : 05 Jul 2023 22:09  
 Operator : CG\JU  
 Sample : 03473-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CMC-EME-TOPSOIL-005

Quant Time: Jul 06 00:23:01 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 30 18:35:29 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.845  | 152  | 127321   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.128  | 136  | 476519   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.886  | 164  | 218531   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.380 | 188  | 349192   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.039 | 240  | 247565   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12            | 15.545 | 264  | 198656   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.487  | 112  | 679497   | 89.274 | ng    | 0.00     |
| 7) Phenol-d6                | 6.486  | 99   | 814409   | 87.005 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.410  | 82   | 545416   | 61.699 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.680 | 330  | 174226   | 63.587 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.204  | 172  | 899531   | 59.846 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.974 | 244  | 697049   | 45.315 | ng    | -0.01    |

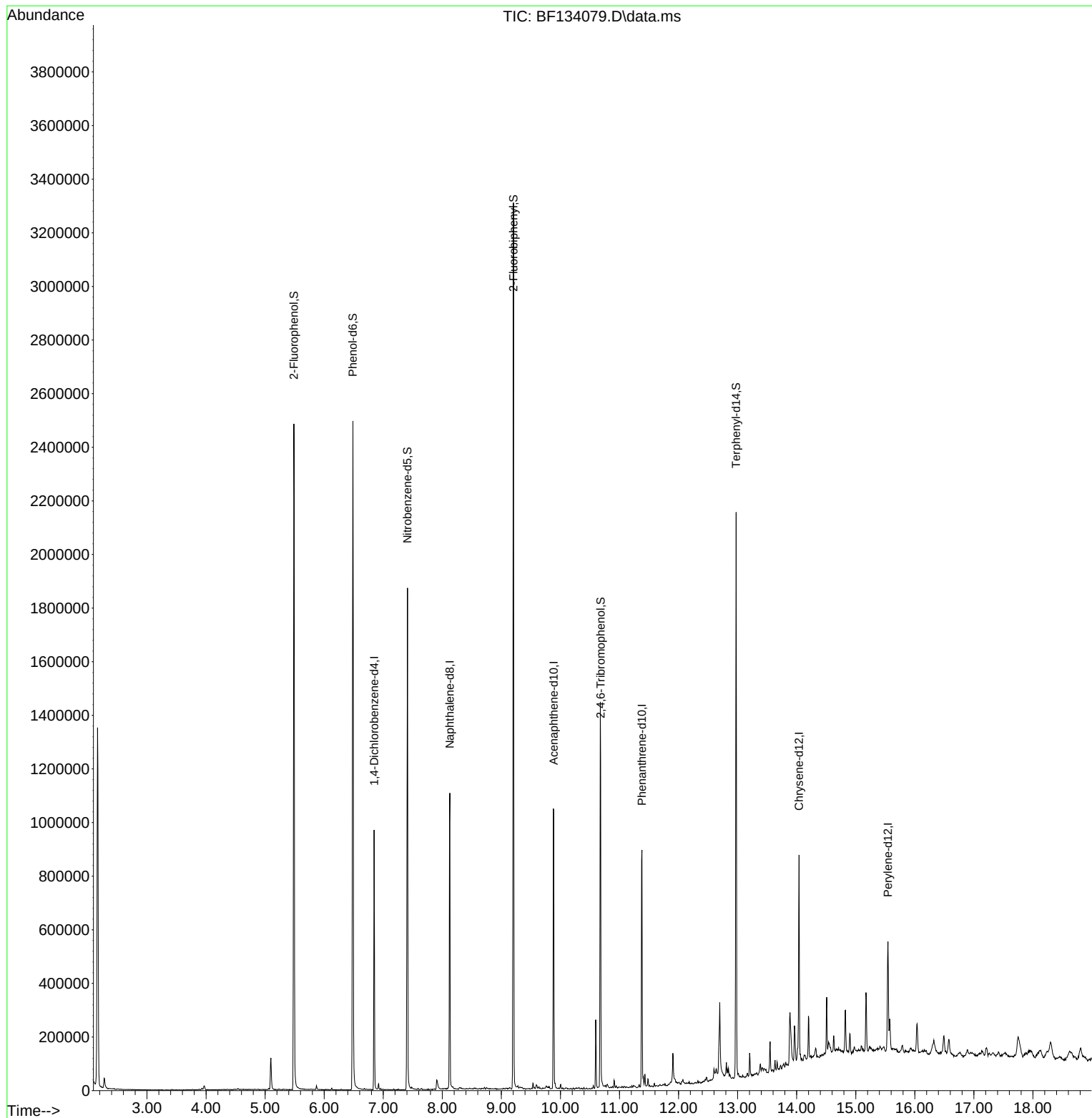
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

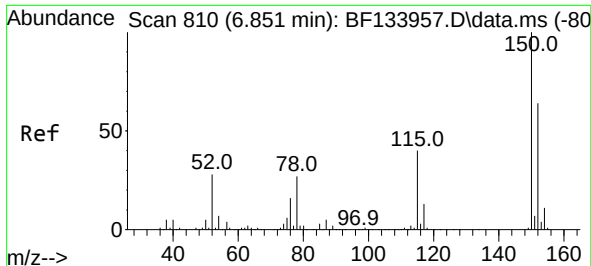
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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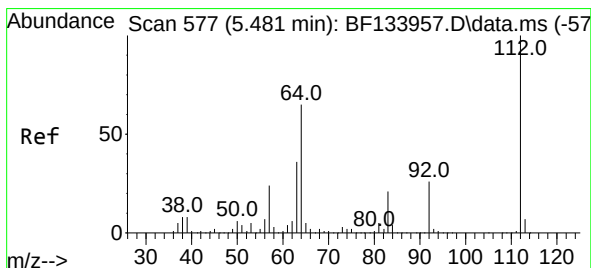
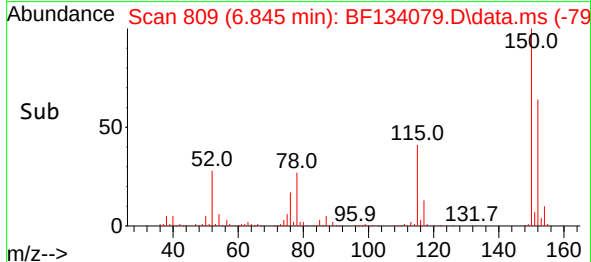
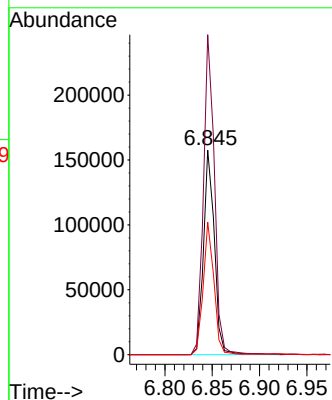
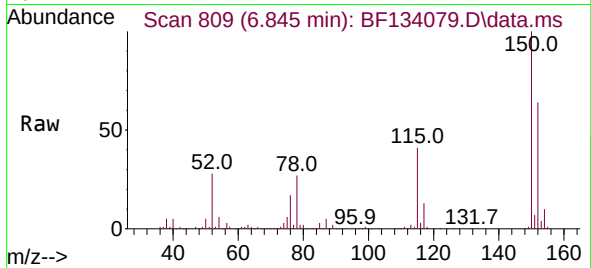




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.845 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BF134079.D  
Acq: 05 Jul 2023 22:09

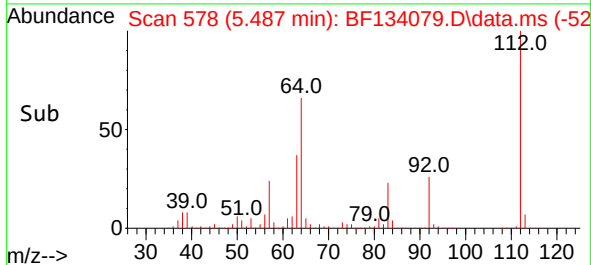
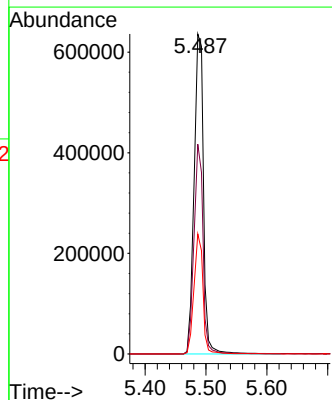
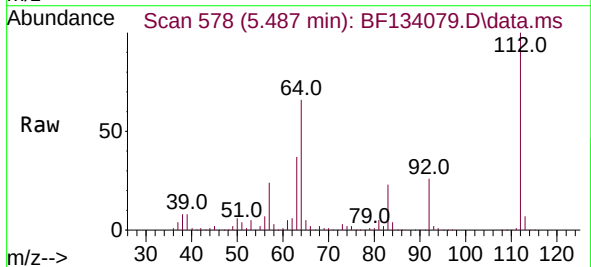
Instrument :  
BNA\_F  
ClientSampleId :  
CMC-EME-TOPSOIL-005

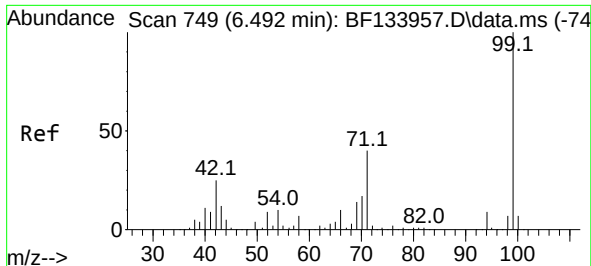
Tgt Ion:152 Resp: 127321  
Ion Ratio Lower Upper  
152 100  
150 156.3 124.5 186.7  
115 64.8 50.2 75.2



#5  
2-Fluorophenol  
Concen: 89.274 ng  
RT: 5.487 min Scan# 578  
Delta R.T. -0.000 min  
Lab File: BF134079.D  
Acq: 05 Jul 2023 22:09

Tgt Ion:112 Resp: 679497  
Ion Ratio Lower Upper  
112 100  
64 65.5 52.1 78.1  
63 37.5 28.6 42.8





#7

Phenol-d6

Concen: 87.005 ng

RT: 6.486 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF134079.D

Acq: 05 Jul 2023 22:09

Instrument :

BNA\_F

ClientSampleId :

CMC-EME-TOPSOIL-005

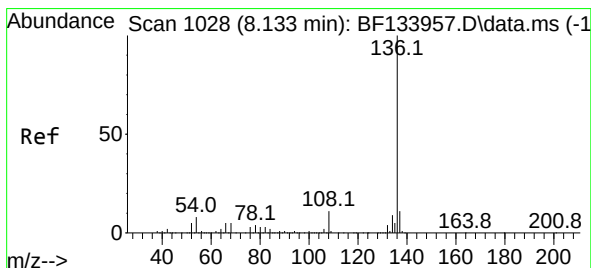
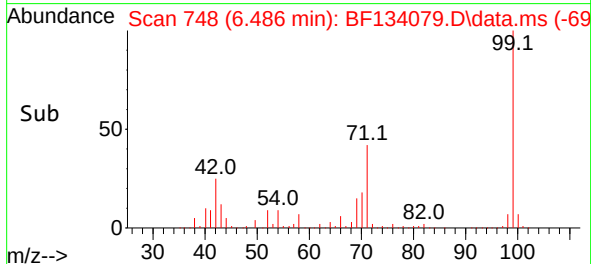
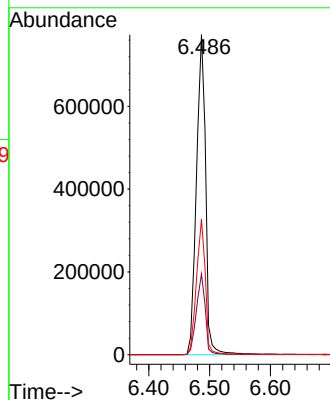
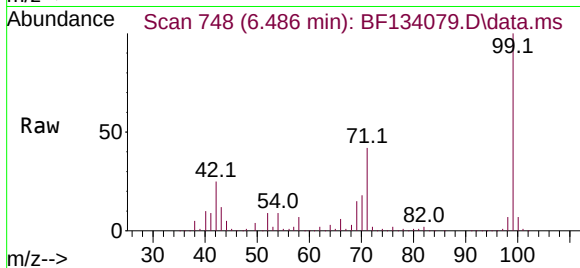
Tgt Ion: 99 Resp: 814409

Ion Ratio Lower Upper

99 100

42 25.2 19.8 29.6

71 42.3 31.9 47.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1027

Delta R.T. -0.006 min

Lab File: BF134079.D

Acq: 05 Jul 2023 22:09

Tgt Ion:136 Resp: 476519

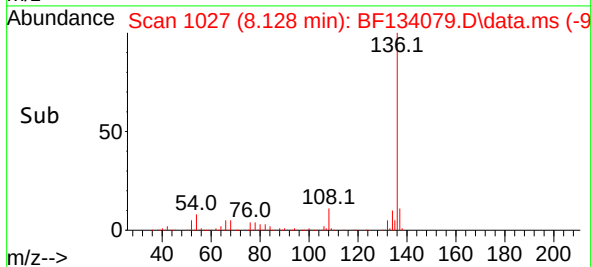
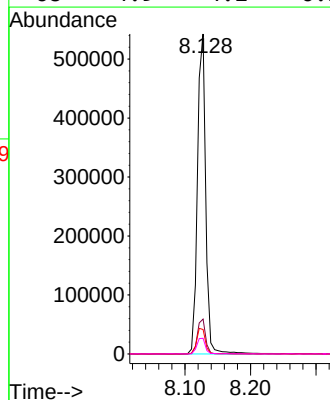
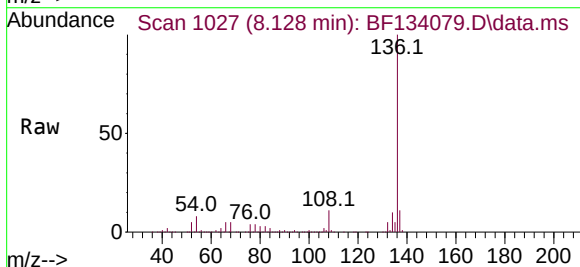
Ion Ratio Lower Upper

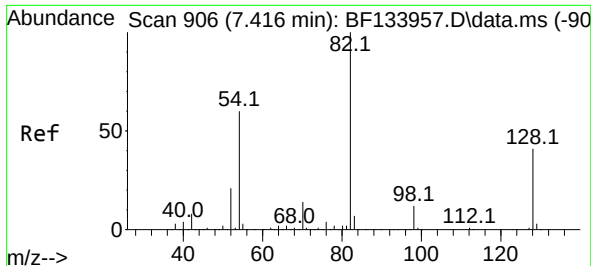
136 100

137 10.9 8.6 12.8

54 7.7 6.5 9.7

68 4.9 4.2 6.2





#23

Nitrobenzene-d5

Concen: 61.699 ng

RT: 7.410 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF134079.D

Acq: 05 Jul 2023 22:09

Instrument :

BNA\_F

ClientSampleId :

CMC-EME-TOPSOIL-005

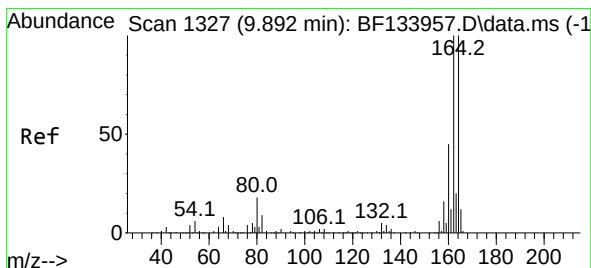
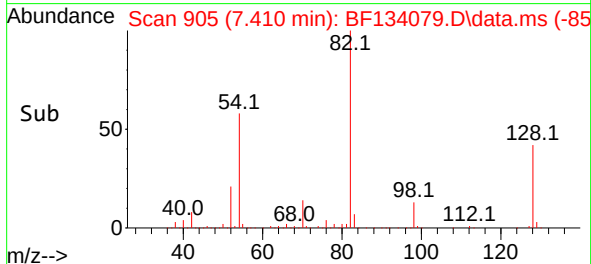
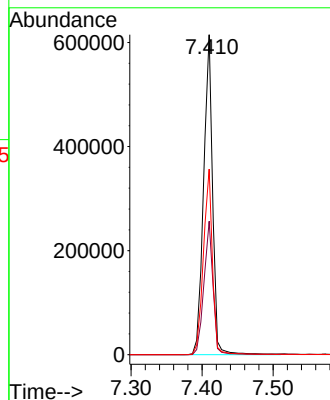
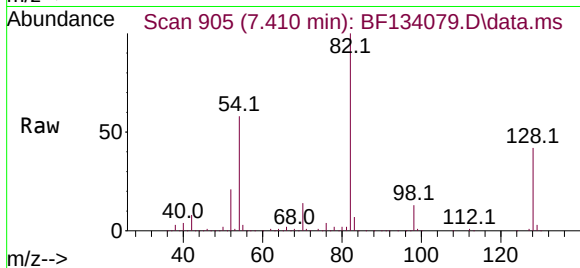
Tgt Ion: 82 Resp: 545416

Ion Ratio Lower Upper

82 100

128 41.7 32.5 48.7

54 58.0 48.2 72.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1326

Delta R.T. -0.006 min

Lab File: BF134079.D

Acq: 05 Jul 2023 22:09

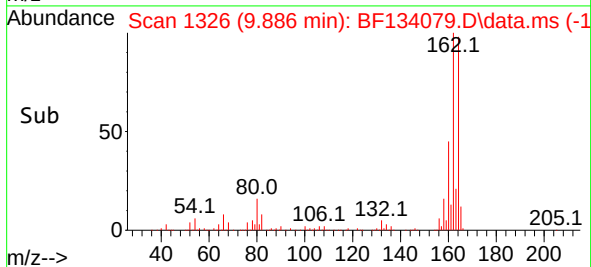
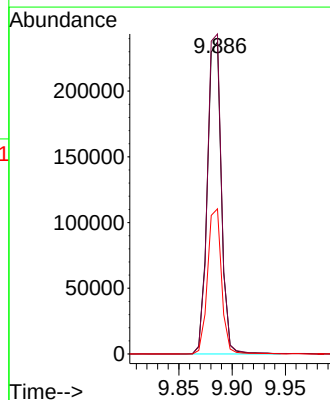
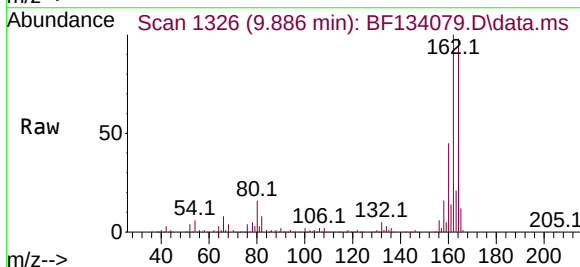
Tgt Ion:164 Resp: 218531

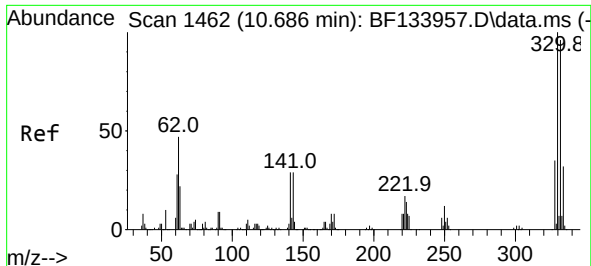
Ion Ratio Lower Upper

164 100

162 102.6 80.0 120.0

160 46.5 35.9 53.9

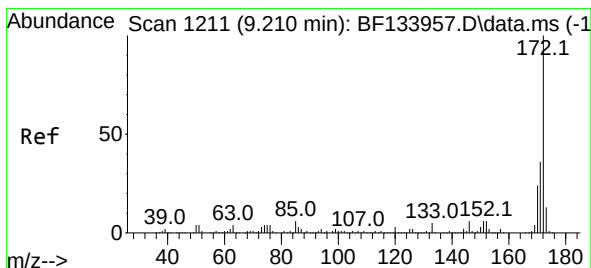
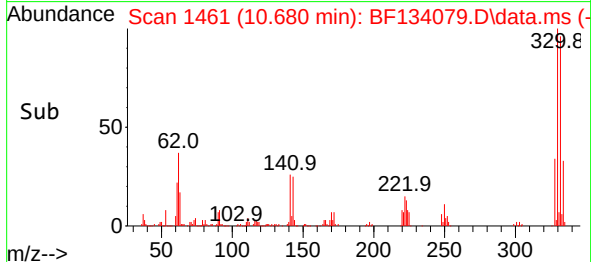
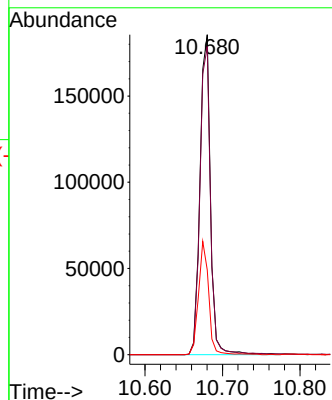
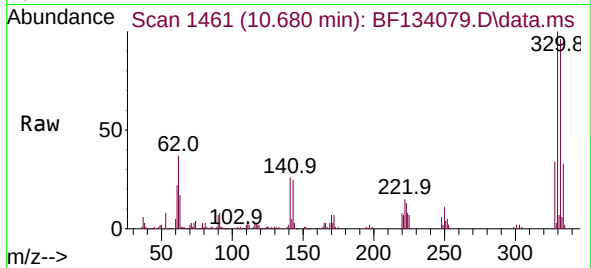




#42  
2,4,6-Tribromophenol  
Concen: 63.587 ng  
RT: 10.680 min Scan# 1462  
Delta R.T. -0.006 min  
Lab File: BF134079.D  
Acq: 05 Jul 2023 22:09

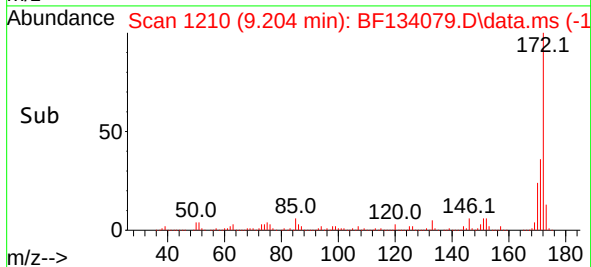
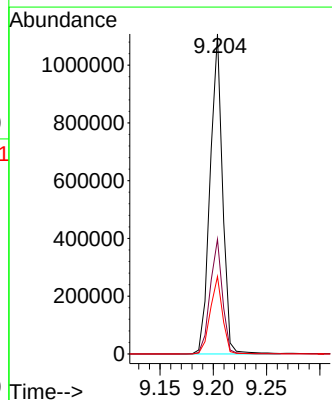
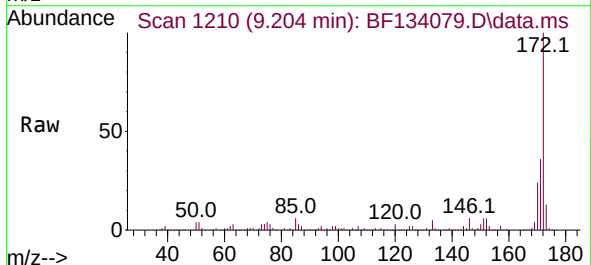
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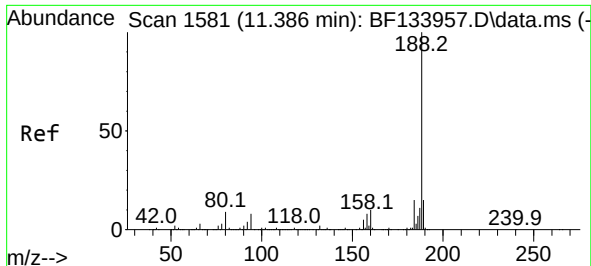
Tgt Ion:330 Resp: 174226  
Ion Ratio Lower Upper  
330 100  
332 97.4 77.0 115.6  
141 34.3 26.3 39.5



#45  
2-Fluorobiphenyl  
Concen: 59.846 ng  
RT: 9.204 min Scan# 1210  
Delta R.T. -0.006 min  
Lab File: BF134079.D  
Acq: 05 Jul 2023 22:09

Tgt Ion:172 Resp: 899531  
Ion Ratio Lower Upper  
172 100  
171 35.9 28.6 43.0  
170 24.2 19.4 29.0

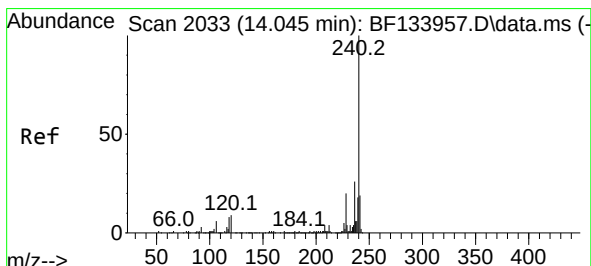
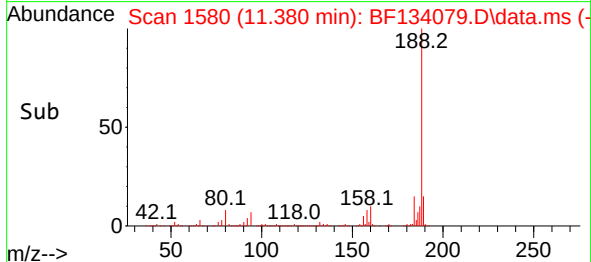
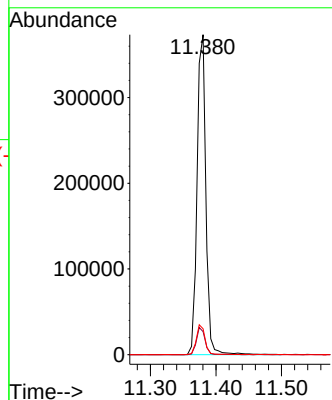
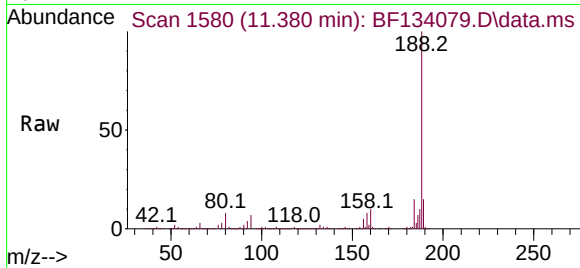




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.380 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF134079.D  
Acq: 05 Jul 2023 22:09

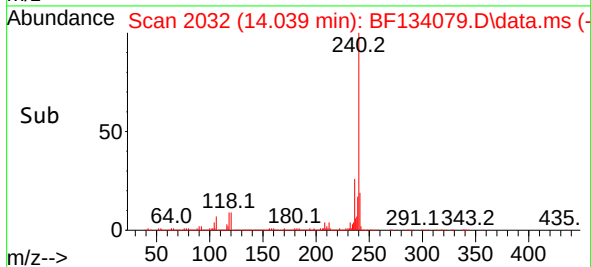
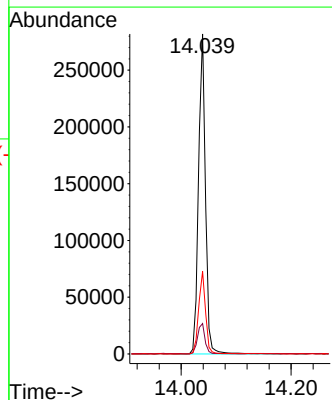
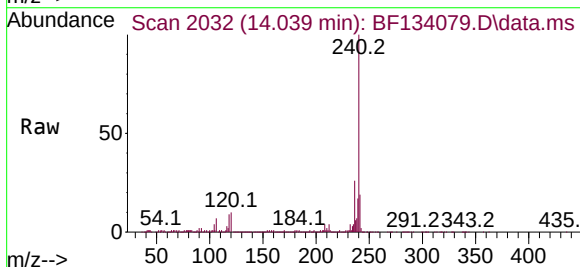
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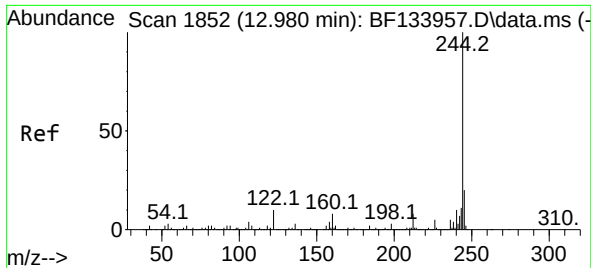
Tgt Ion:188 Resp: 349192  
Ion Ratio Lower Upper  
188 100  
94 7.2 6.4 9.6  
80 8.1 7.3 10.9



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.039 min Scan# 2032  
Delta R.T. -0.012 min  
Lab File: BF134079.D  
Acq: 05 Jul 2023 22:09

Tgt Ion:240 Resp: 247565  
Ion Ratio Lower Upper  
240 100  
120 9.5 7.4 11.0  
236 25.8 21.0 31.6

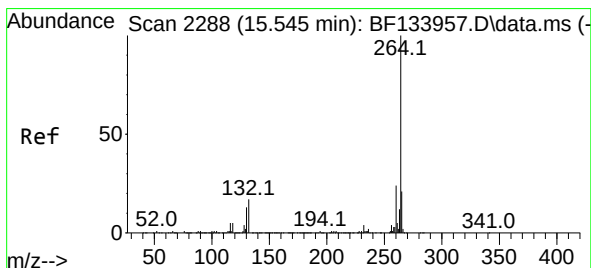
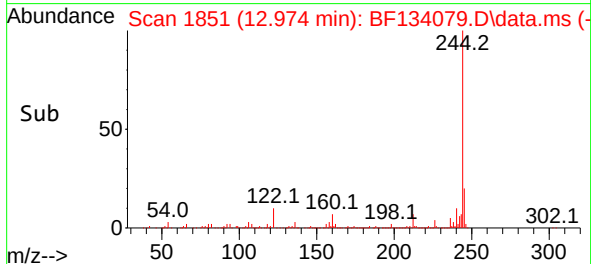
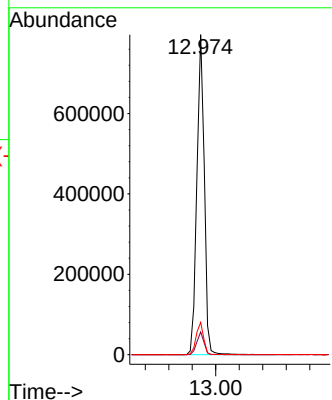
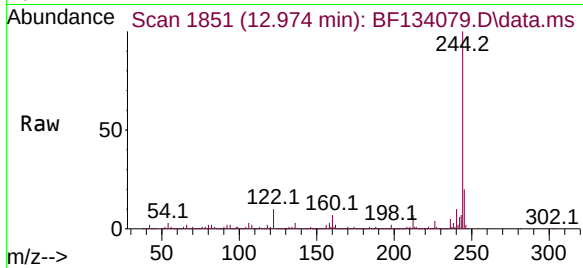




#79  
 Terphenyl-d14  
 Concen: 45.315 ng  
 RT: 12.974 min Scan# 1851  
 Delta R.T. -0.012 min  
 Lab File: BF134079.D  
 Acq: 05 Jul 2023 22:09

Instrument :  
 BNA\_F  
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 CMC-EME-TOPSOIL-005

Tgt Ion:244 Resp: 697049  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 6.0 9.0  
 122 10.1 8.3 12.5



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.545 min Scan# 2288  
 Delta R.T. -0.006 min  
 Lab File: BF134079.D  
 Acq: 05 Jul 2023 22:09

Tgt Ion:264 Resp: 198656  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 19.5 29.3  
 265 22.1 16.6 25.0

