

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102424\  
 Data File : BF140021.D  
 Acq On : 25 Oct 2024 00:50  
 Operator : RC/JU  
 Sample : P4485-02  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 D20241001-01-04

Quant Time: Oct 25 03:05:12 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.887  | 152  | 87094    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.169  | 136  | 322143   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.922  | 164  | 169081   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.410 | 188  | 246371   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.045 | 240  | 169152   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 15.527 | 264  | 205103   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.516  | 112  | 678898   | 122.030 | ng    | 0.02     |
| 7) Phenol-d6                | 6.510  | 99   | 828858   | 115.032 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.445  | 82   | 571327   | 98.295  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.710 | 330  | 214722   | 135.768 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.245  | 172  | 1035535  | 101.219 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.998 | 244  | 791099   | 76.208  | ng    | 0.00     |

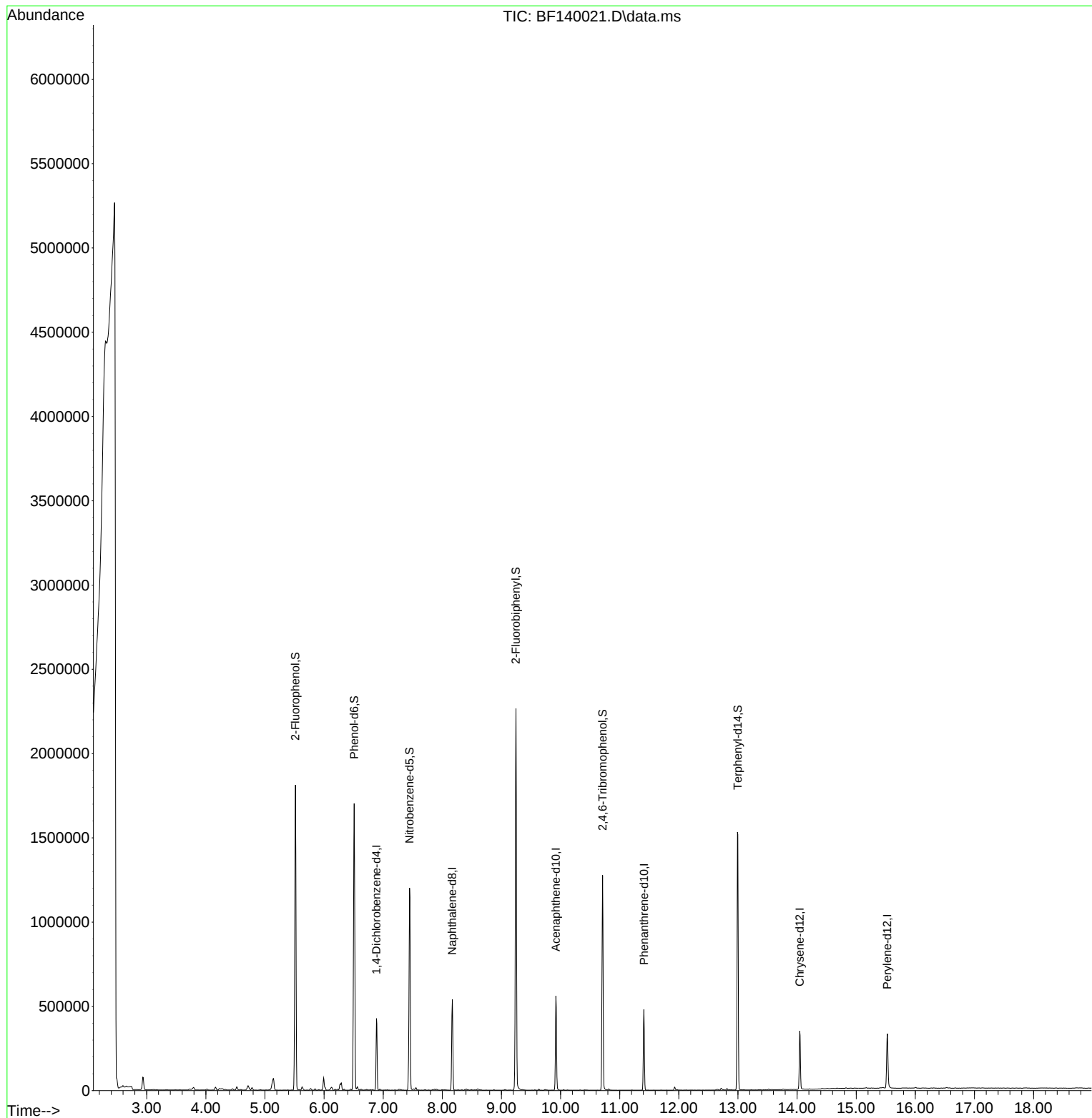
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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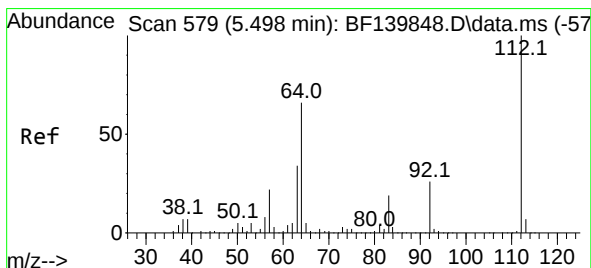
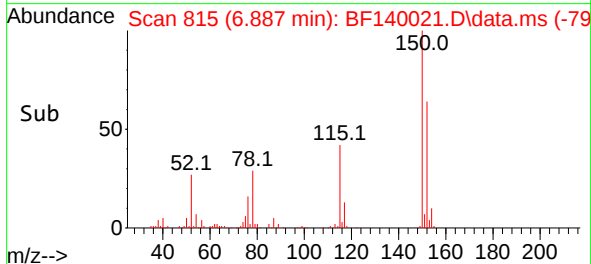
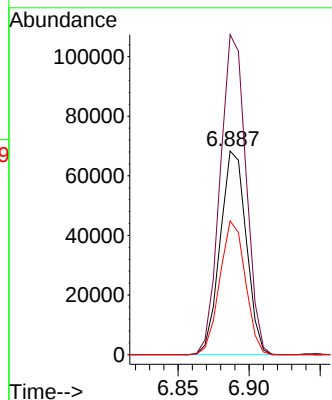
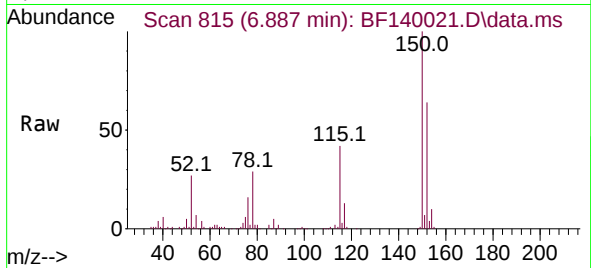




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.887 min Scan# 816  
Delta R.T. -0.005 min  
Lab File: BF140021.D  
Acq: 25 Oct 2024 00:50

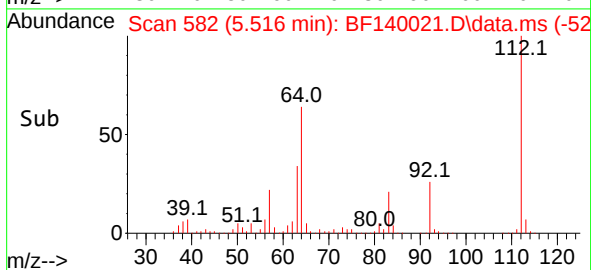
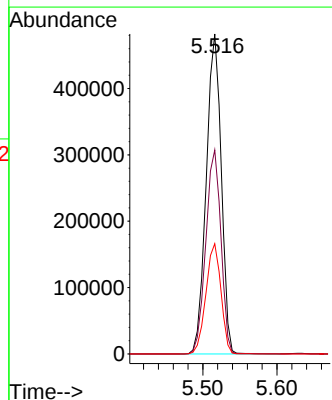
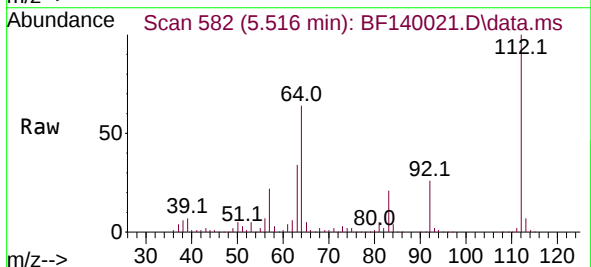
Instrument :  
BNA\_F  
ClientSampleId :  
D20241001-01-04

Tgt Ion:152 Resp: 87094  
Ion Ratio Lower Upper  
152 100  
150 157.1 130.2 195.2  
115 65.7 51.4 77.2



#5  
2-Fluorophenol  
Concen: 122.030 ng  
RT: 5.516 min Scan# 582  
Delta R.T. 0.018 min  
Lab File: BF140021.D  
Acq: 25 Oct 2024 00:50

Tgt Ion:112 Resp: 678898  
Ion Ratio Lower Upper  
112 100  
64 63.7 53.0 79.6  
63 34.4 27.0 40.4

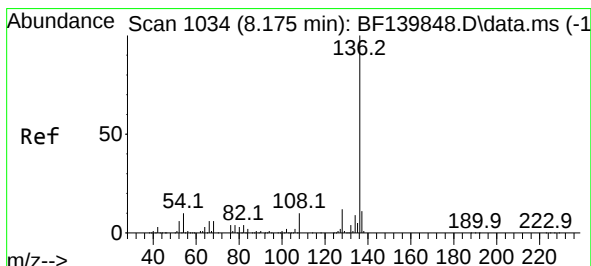
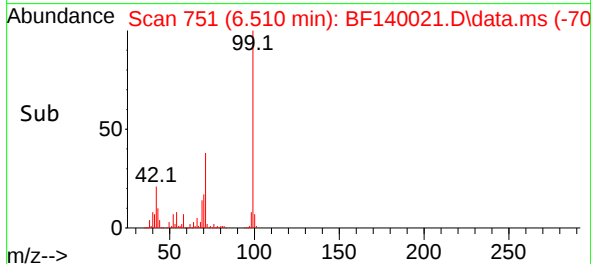
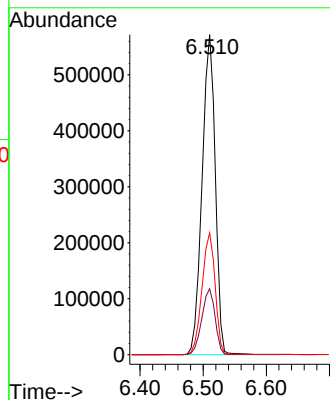
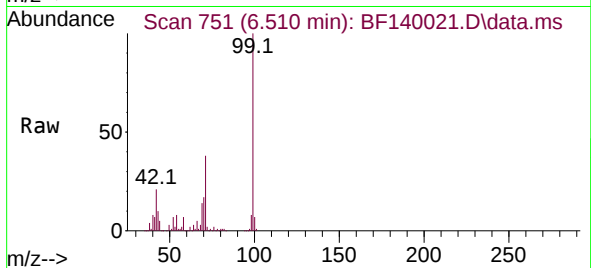




#7  
Phenol-d6  
Concen: 115.032 ng  
RT: 6.510 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF140021.D  
Acq: 25 Oct 2024 00:50

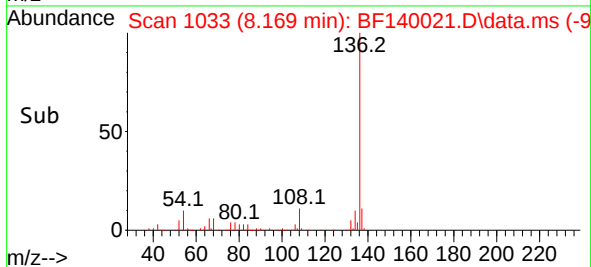
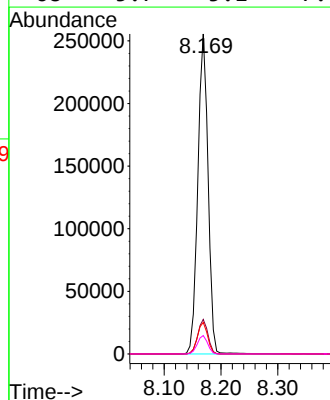
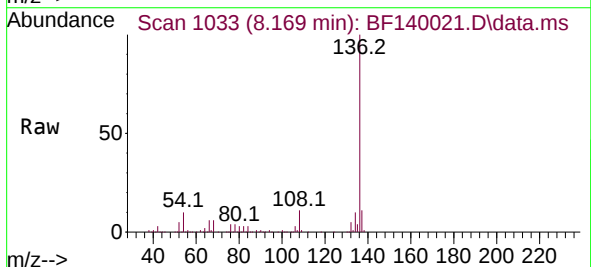
Instrument :  
BNA\_F  
ClientSampleId :  
D20241001-01-04

Tgt Ion: 99 Resp: 828858  
Ion Ratio Lower Upper  
99 100  
42 20.6 16.7 25.1  
71 38.1 27.7 41.5



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 1033  
Delta R.T. -0.006 min  
Lab File: BF140021.D  
Acq: 25 Oct 2024 00:50

Tgt Ion: 136 Resp: 322143  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.6 12.8  
54 9.8 8.4 12.6  
68 5.7 5.1 7.7





#23

Nitrobenzene-d5

Concen: 98.295 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF140021.D

Acq: 25 Oct 2024 00:50

Instrument :

BNA\_F

ClientSampleId :

D20241001-01-04

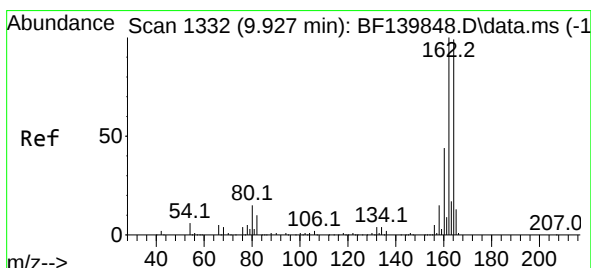
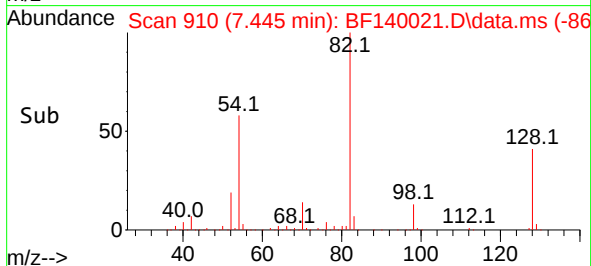
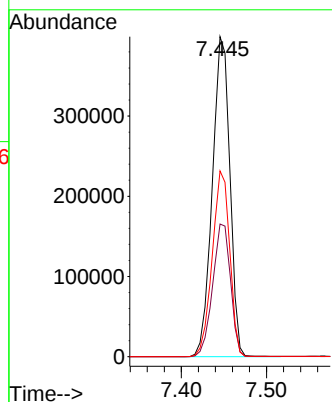
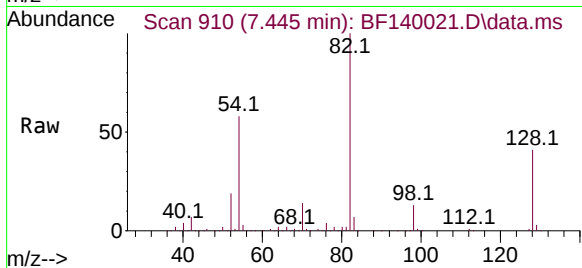
Tgt Ion: 82 Resp: 571327

Ion Ratio Lower Upper

82 100

128 41.5 33.4 50.0

54 58.0 47.8 71.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.005 min

Lab File: BF140021.D

Acq: 25 Oct 2024 00:50

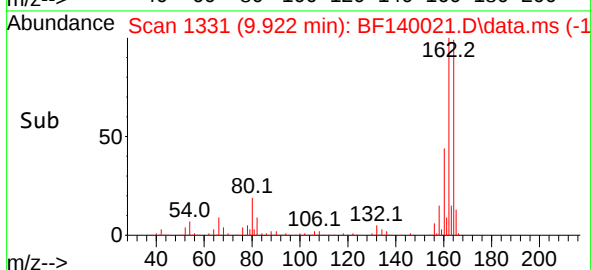
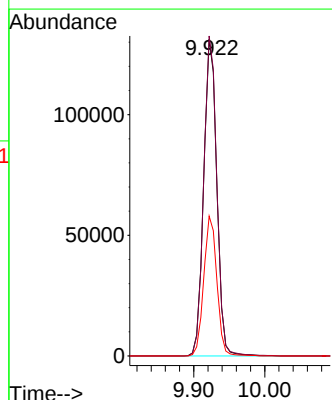
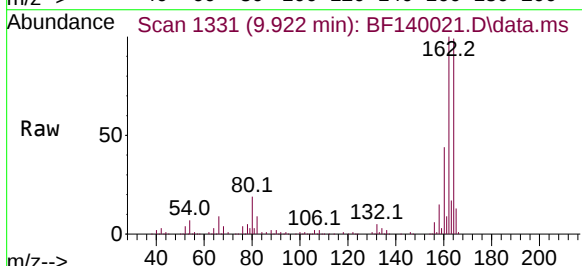
Tgt Ion:164 Resp: 169081

Ion Ratio Lower Upper

164 100

162 101.0 81.0 121.4

160 44.1 35.4 53.0

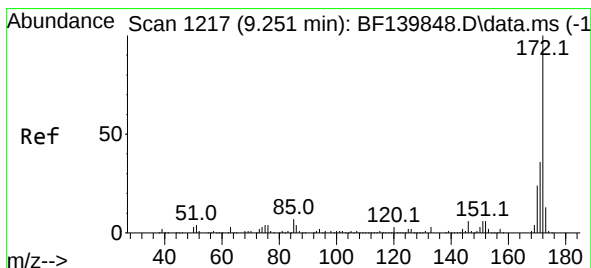
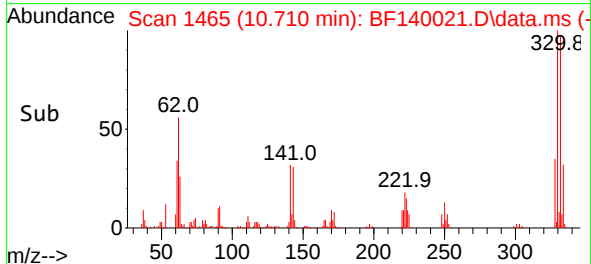
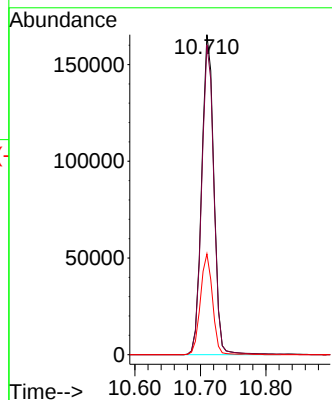
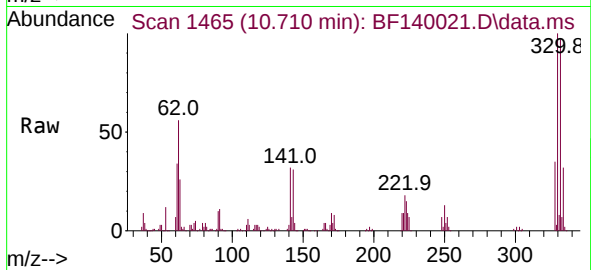




#42  
 2,4,6-Tribromophenol  
 Concen: 135.768 ng  
 RT: 10.710 min Scan# 1465  
 Delta R.T. -0.006 min  
 Lab File: BF140021.D  
 Acq: 25 Oct 2024 00:50

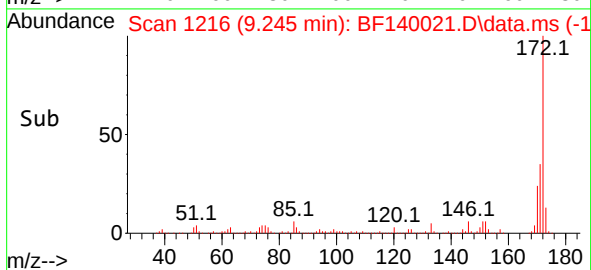
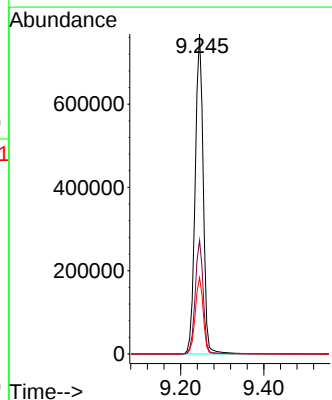
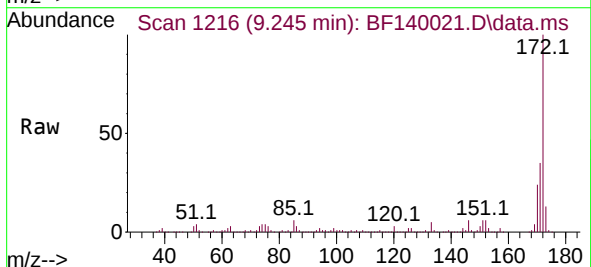
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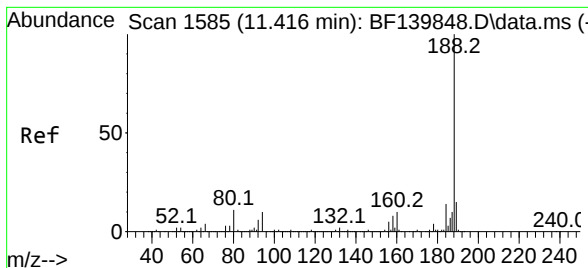
Tgt Ion:330 Resp: 214722  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 78.1 117.1  
 141 31.3 26.6 39.8



#45  
 2-Fluorobiphenyl  
 Concen: 101.219 ng  
 RT: 9.245 min Scan# 1216  
 Delta R.T. -0.006 min  
 Lab File: BF140021.D  
 Acq: 25 Oct 2024 00:50

Tgt Ion:172 Resp: 1035535  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 28.6 43.0  
 170 23.9 19.1 28.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140021.D

Acq: 25 Oct 2024 00:50

Instrument :

BNA\_F

ClientSampleId :

D20241001-01-04

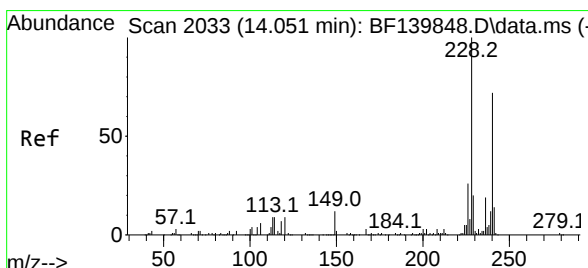
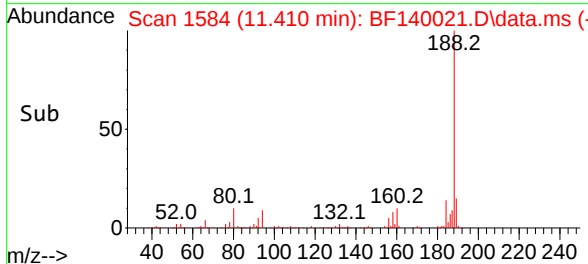
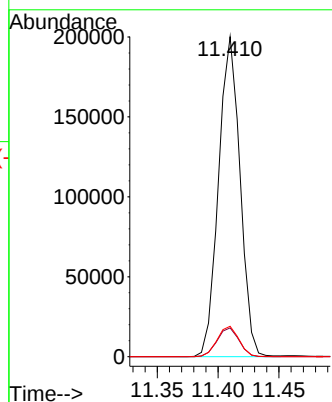
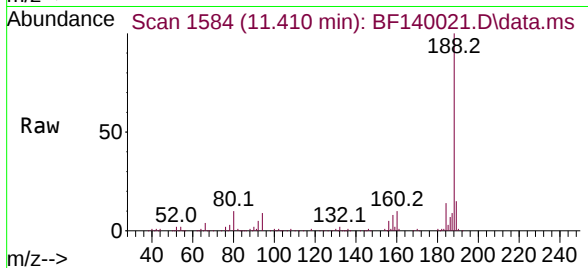
Tgt Ion:188 Resp: 246371

Ion Ratio Lower Upper

188 100

94 9.0 7.9 11.9

80 9.5 9.0 13.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140021.D

Acq: 25 Oct 2024 00:50

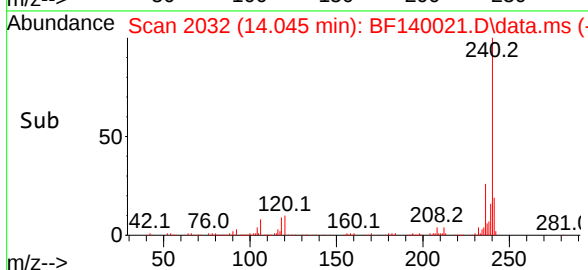
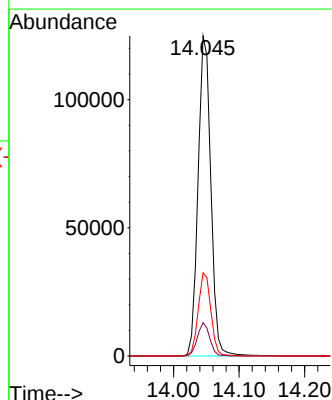
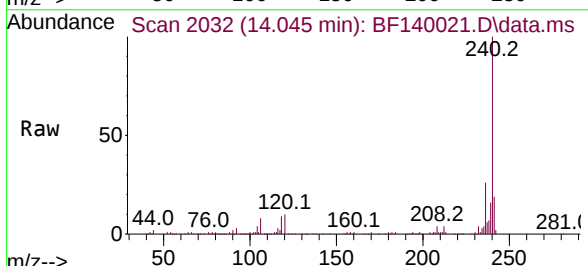
Tgt Ion:240 Resp: 169152

Ion Ratio Lower Upper

240 100

120 10.4 9.4 14.2

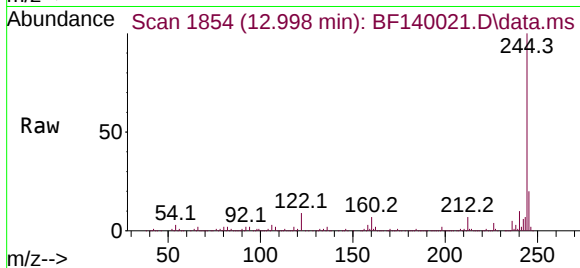
236 26.0 20.9 31.3



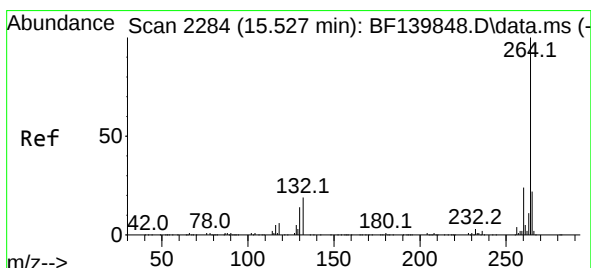
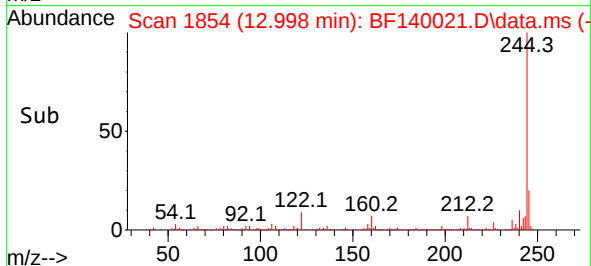
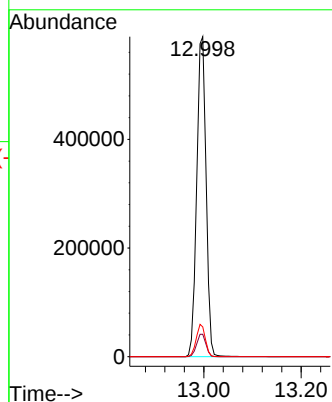


#79  
 Terphenyl-d14  
 Concen: 76.208 ng  
 RT: 12.998 min Scan# 1854  
 Delta R.T. 0.000 min  
 Lab File: BF140021.D  
 Acq: 25 Oct 2024 00:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 D20241001-01-04



Tgt Ion:244 Resp: 791099  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.7 8.5  
 122 9.3 8.6 13.0



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.527 min Scan# 2284  
 Delta R.T. 0.000 min  
 Lab File: BF140021.D  
 Acq: 25 Oct 2024 00:50

Tgt Ion:264 Resp: 205103  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.4 29.2  
 265 21.2 17.4 26.0

