

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100824\  
 Data File : BF139708.D  
 Acq On : 08 Oct 2024 13:09  
 Operator : RC/JU  
 Sample : P4321-04  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 IB-6

Quant Time: Oct 08 13:47:00 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 02 04:58:47 2024  
 Response via : Initial Calibration

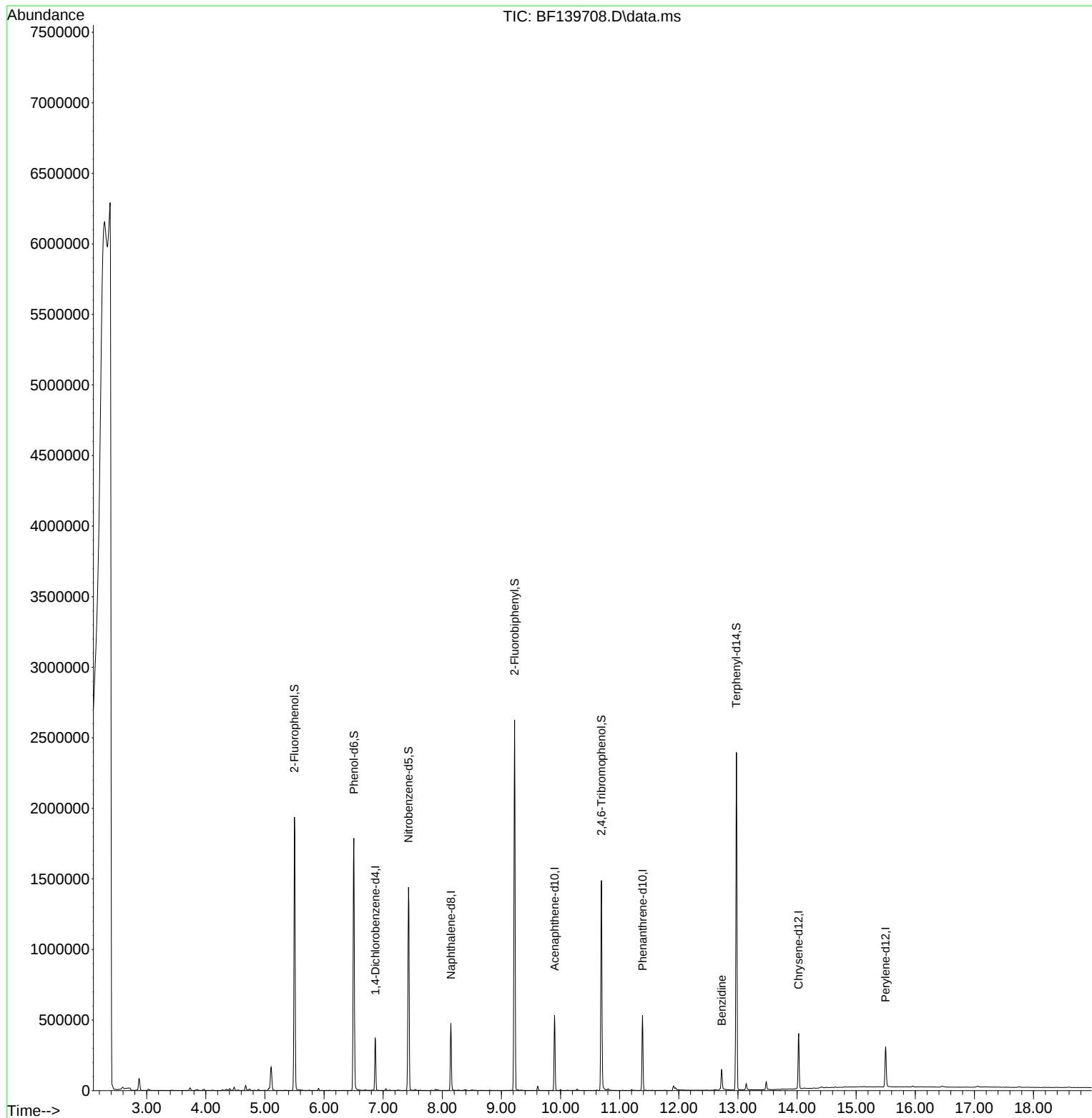
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min)      |
|-----------------------------|--------|------|----------|---------|-------|---------------|
| -----                       |        |      |          |         |       |               |
| Internal Standards          |        |      |          |         |       |               |
| 1) 1,4-Dichlorobenzene-d4   | 6.869  | 152  | 76704    | 20.000  | ng    | 0.00          |
| 21) Naphthalene-d8          | 8.145  | 136  | 282690   | 20.000  | ng    | 0.00          |
| 39) Acenaphthene-d10        | 9.898  | 164  | 153989   | 20.000  | ng    | -0.01         |
| 64) Phenanthrene-d10        | 11.386 | 188  | 276544   | 20.000  | ng    | 0.00          |
| 76) Chrysene-d12            | 14.027 | 240  | 183197   | 20.000  | ng    | 0.00          |
| 86) Perylene-d12            | 15.498 | 264  | 164734   | 20.000  | ng    | 0.00          |
| System Monitoring Compounds |        |      |          |         |       |               |
| 5) 2-Fluorophenol           | 5.499  | 112  | 686838   | 155.202 | ng    | 0.01          |
| 7) Phenol-d6                | 6.504  | 99   | 828105   | 139.147 | ng    | 0.00          |
| 23) Nitrobenzene-d5         | 7.428  | 82   | 646644   | 115.815 | ng    | 0.00          |
| 42) 2,4,6-Tribromophenol    | 10.692 | 330  | 239476   | 161.099 | ng    | 0.00          |
| 45) 2-Fluorobiphenyl        | 9.222  | 172  | 1138765  | 113.528 | ng    | 0.00          |
| 79) Terphenyl-d14           | 12.975 | 244  | 1172494  | 105.016 | ng    | 0.00          |
| Target Compounds            |        |      |          |         |       |               |
| 77) Benzidine               | 12.727 | 184  | 90764    | 28.088  | ng    | Qvalue<br>100 |
| -----                       |        |      |          |         |       |               |

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

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QLast Update : Wed Oct 02 04:58:47 2024  
Response via : Initial Calibration

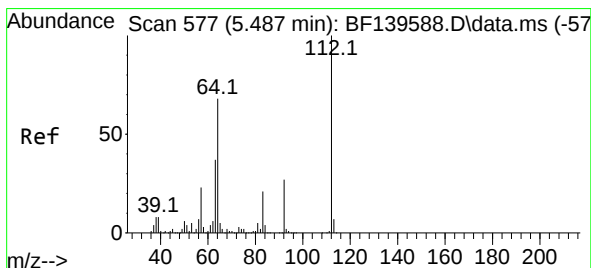
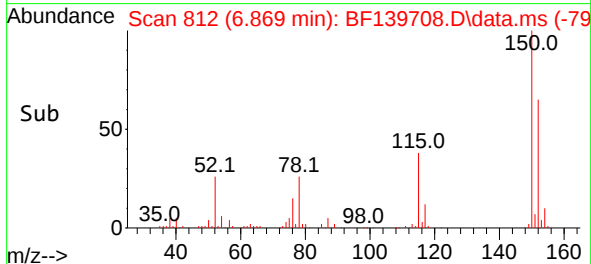
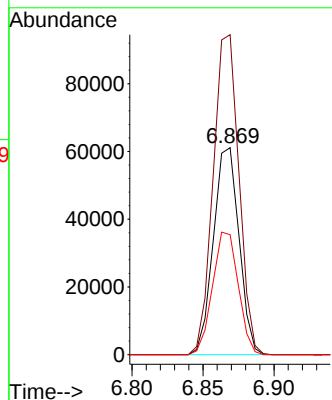
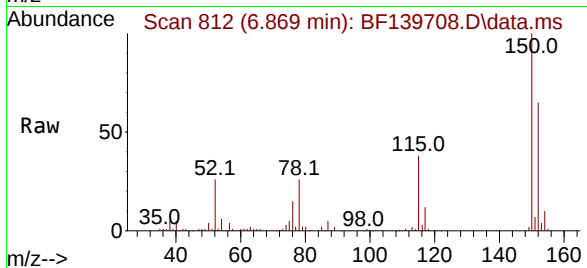




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.869 min Scan# 812  
Delta R.T. 0.000 min  
Lab File: BF139708.D  
Acq: 08 Oct 2024 13:09

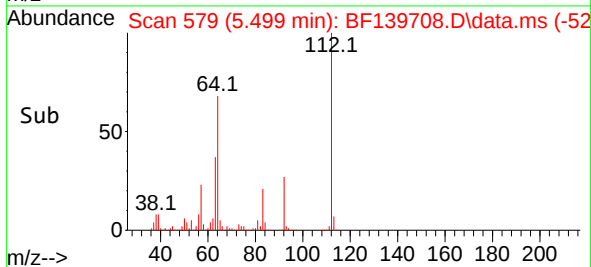
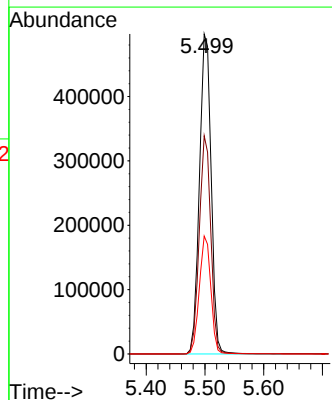
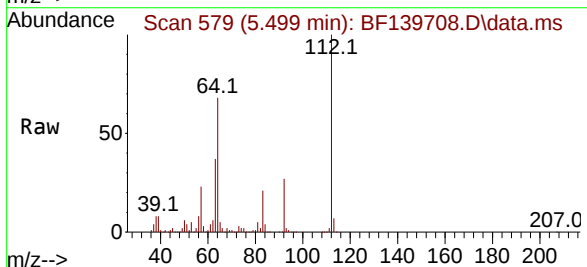
Instrument :  
BNA\_F  
ClientSampleId :  
IB-6

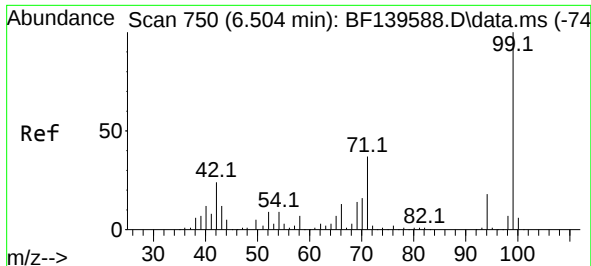
Tgt Ion:152 Resp: 76704  
Ion Ratio Lower Upper  
152 100  
150 154.5 127.2 190.8  
115 57.9 49.0 73.4



#5  
2-Fluorophenol  
Concen: 155.202 ng  
RT: 5.499 min Scan# 579  
Delta R.T. 0.012 min  
Lab File: BF139708.D  
Acq: 08 Oct 2024 13:09

Tgt Ion:112 Resp: 686838  
Ion Ratio Lower Upper  
112 100  
64 68.2 54.2 81.4  
63 36.9 29.4 44.2

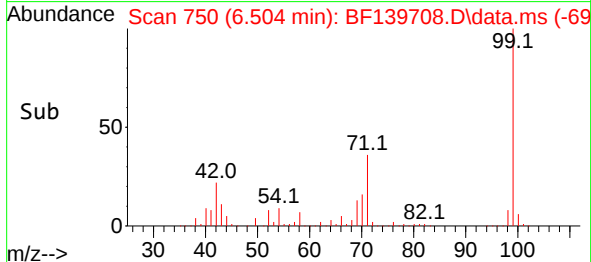
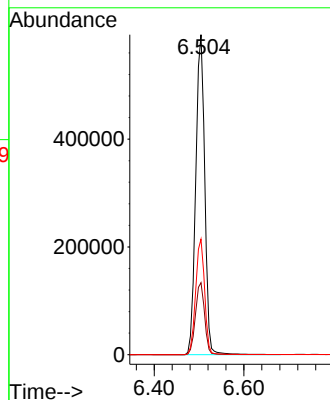
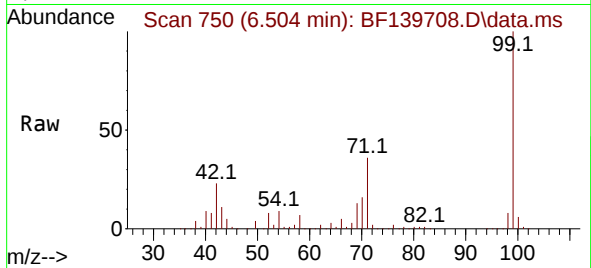




#7  
Phenol-d6  
Concen: 139.147 ng  
RT: 6.504 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF139708.D  
Acq: 08 Oct 2024 13:09

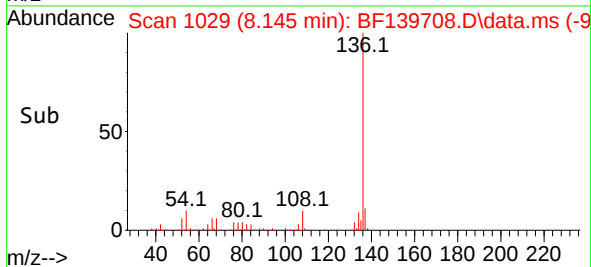
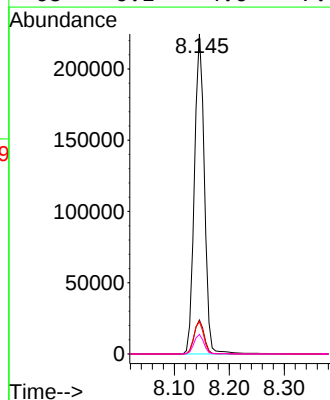
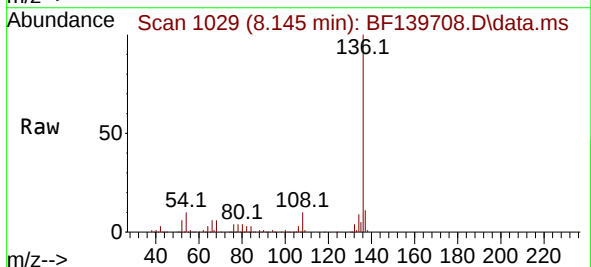
Instrument :  
BNA\_F  
ClientSampleId :  
IB-6

Tgt Ion: 99 Resp: 828105  
Ion Ratio Lower Upper  
99 100  
42 22.5 19.1 28.7  
71 36.1 29.7 44.5



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.145 min Scan# 1029  
Delta R.T. -0.006 min  
Lab File: BF139708.D  
Acq: 08 Oct 2024 13:09

Tgt Ion: 136 Resp: 282690  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.6 13.0  
54 10.1 8.3 12.5  
68 6.1 4.6 7.0

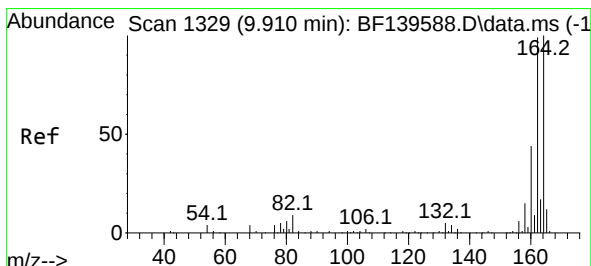
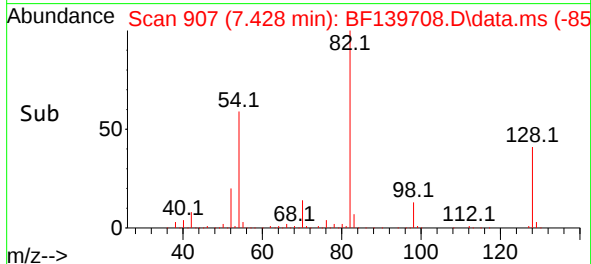
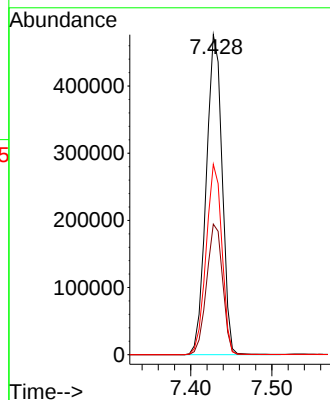
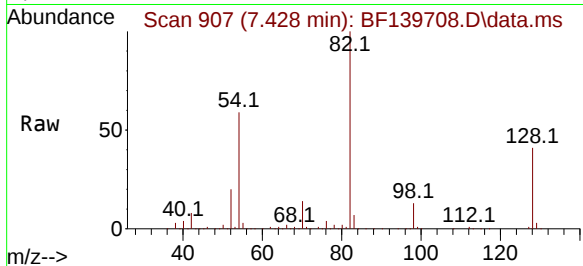




#23  
Nitrobenzene-d5  
Concen: 115.815 ng  
RT: 7.428 min Scan# 908  
Delta R.T. -0.006 min  
Lab File: BF139708.D  
Acq: 08 Oct 2024 13:09

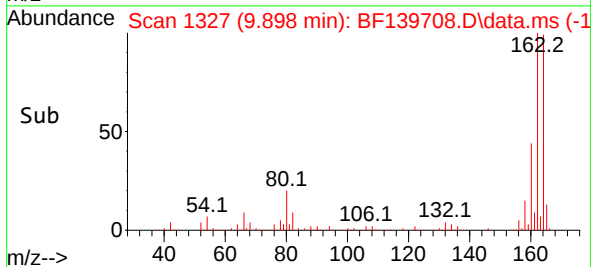
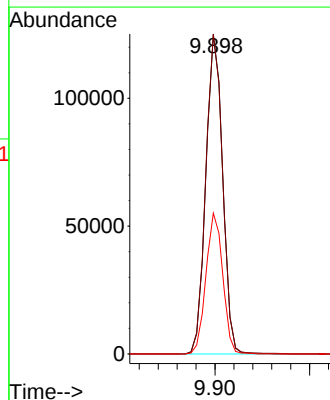
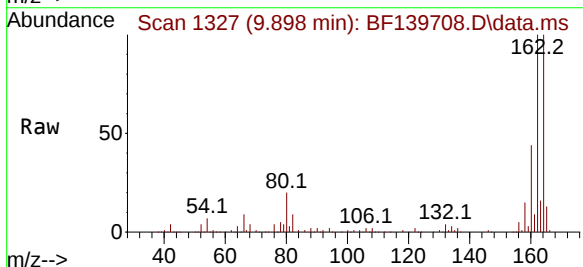
Instrument :  
BNA\_F  
ClientSampleId :  
IB-6

Tgt Ion: 82 Resp: 646644  
Ion Ratio Lower Upper  
82 100  
128 40.8 32.4 48.6  
54 59.5 49.1 73.7



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.898 min Scan# 1327  
Delta R.T. -0.012 min  
Lab File: BF139708.D  
Acq: 08 Oct 2024 13:09

Tgt Ion:164 Resp: 153989  
Ion Ratio Lower Upper  
164 100  
162 100.2 79.4 119.0  
160 44.1 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 161.099 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF139708.D

Acq: 08 Oct 2024 13:09

Instrument :

BNA\_F

ClientSampleId :

IB-6

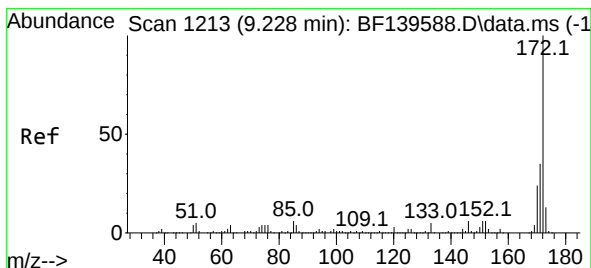
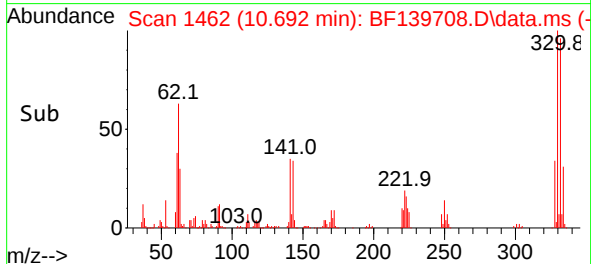
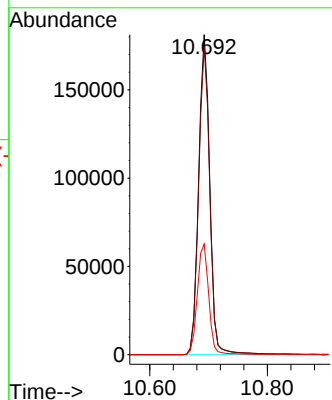
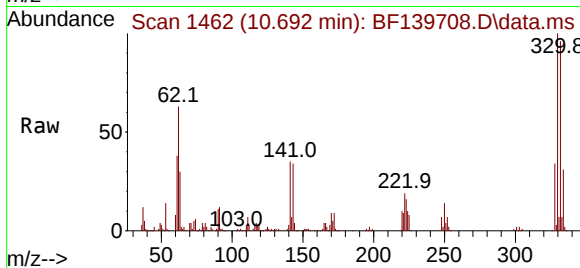
Tgt Ion:330 Resp: 239476

Ion Ratio Lower Upper

330 100

332 96.6 76.5 114.7

141 35.3 29.3 43.9



#45

2-Fluorobiphenyl

Concen: 113.528 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF139708.D

Acq: 08 Oct 2024 13:09

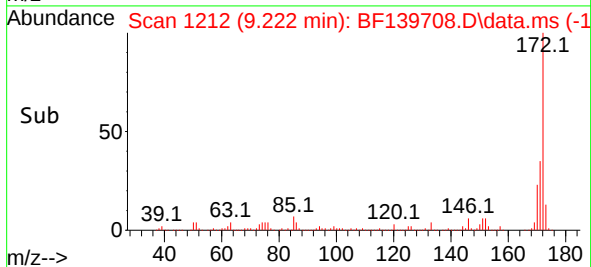
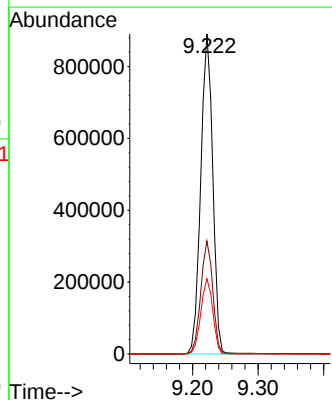
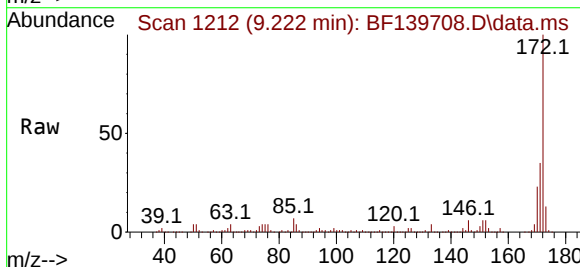
Tgt Ion:172 Resp: 1138765

Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 23.5 18.8 28.2

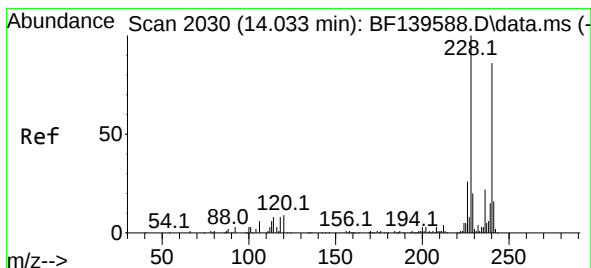
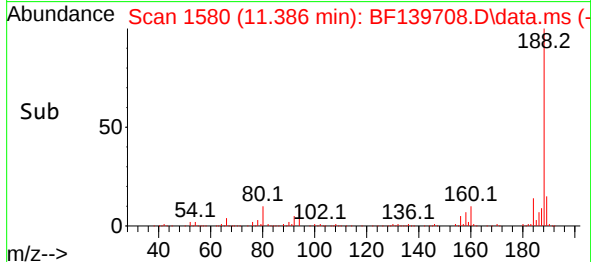
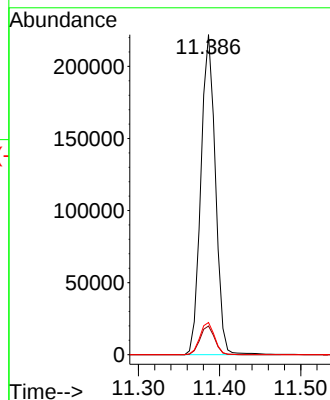
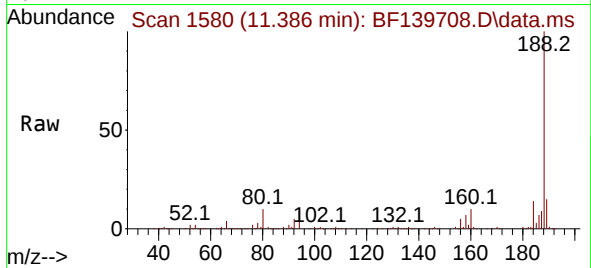




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.386 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF139708.D  
Acq: 08 Oct 2024 13:09

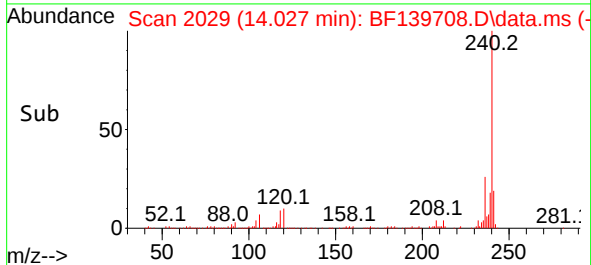
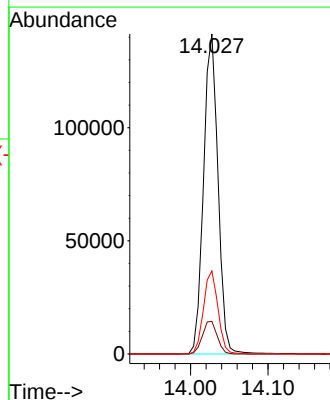
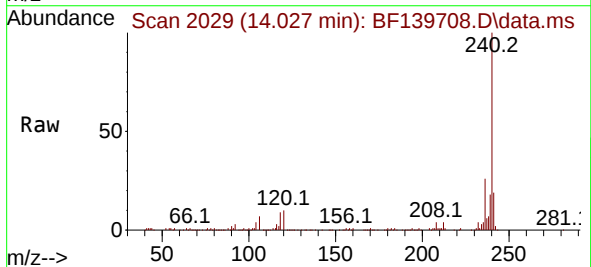
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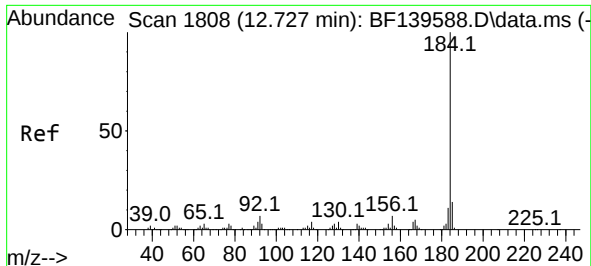
Tgt Ion:188 Resp: 276544  
Ion Ratio Lower Upper  
188 100  
94 9.0 7.4 11.2  
80 10.1 8.2 12.2



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.027 min Scan# 2029  
Delta R.T. -0.006 min  
Lab File: BF139708.D  
Acq: 08 Oct 2024 13:09

Tgt Ion:240 Resp: 183197  
Ion Ratio Lower Upper  
240 100  
120 10.2 8.4 12.6  
236 25.9 20.3 30.5

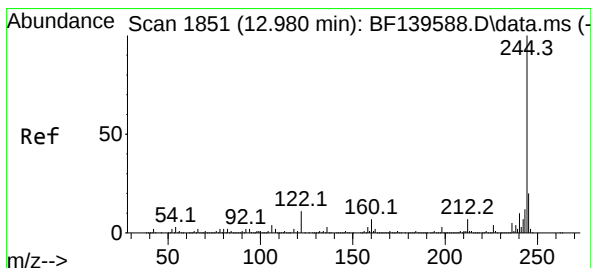
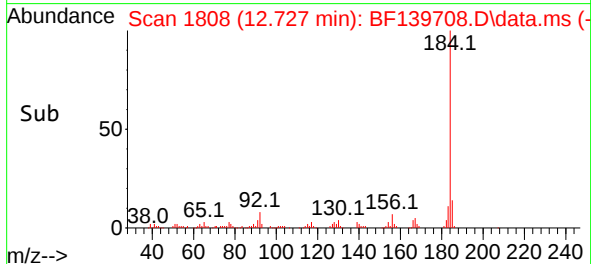
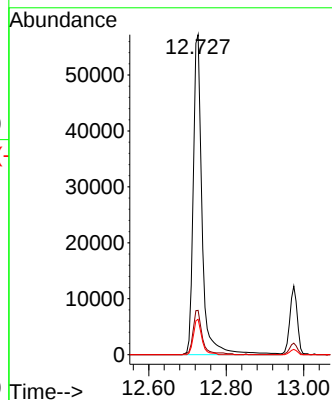
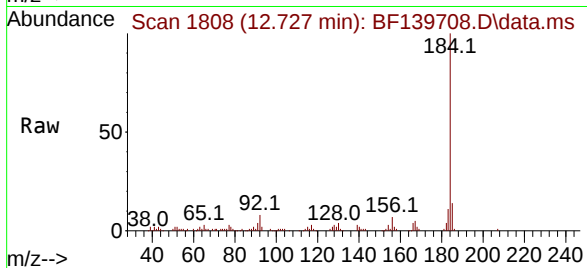




#77  
Benzidine  
Concen: 28.088 ng  
RT: 12.727 min Scan# 1808  
Delta R.T. 0.000 min  
Lab File: BF139708.D  
Acq: 08 Oct 2024 13:09

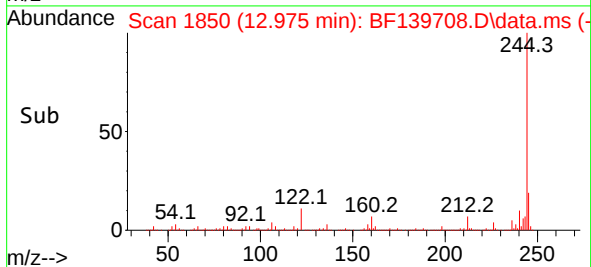
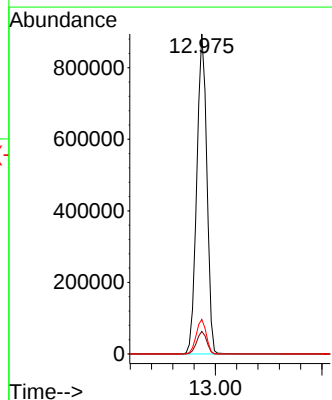
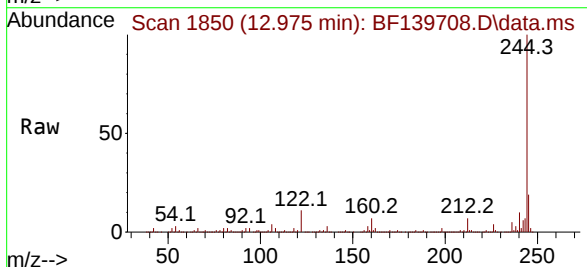
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IB-6

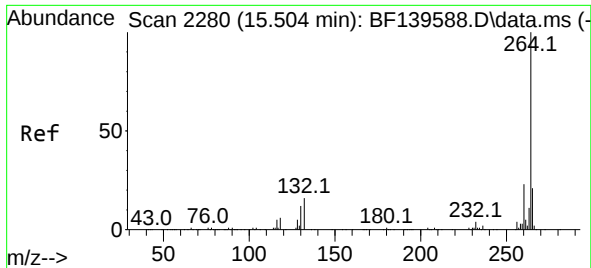
Tgt Ion:184 Resp: 90764  
Ion Ratio Lower Upper  
184 100  
185 13.9 11.4 17.0  
183 11.0 8.8 13.2



#79  
Terphenyl-d14  
Concen: 105.016 ng  
RT: 12.975 min Scan# 1850  
Delta R.T. -0.005 min  
Lab File: BF139708.D  
Acq: 08 Oct 2024 13:09

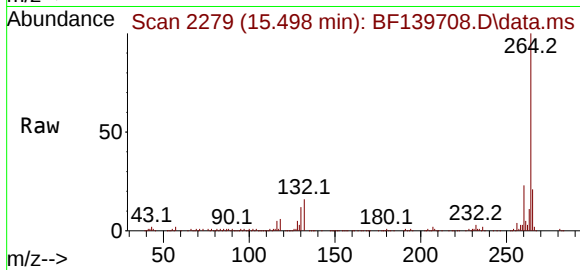
Tgt Ion:244 Resp: 1172494  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.8 8.6  
122 10.8 8.6 12.8





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.498 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BF139708.D  
 Acq: 08 Oct 2024 13:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
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Tgt Ion:264 Resp: 164734  
 Ion Ratio Lower Upper  
 264 100  
 260 22.9 18.7 28.1  
 265 21.3 16.9 25.3

