

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112224\  
 Data File : BF140571.D  
 Acq On : 22 Nov 2024 12:28  
 Operator : RC/JU  
 Sample : P4925-08  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MH-741

Quant Time: Nov 22 12:50:48 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 2024  
 Response via : Initial Calibration

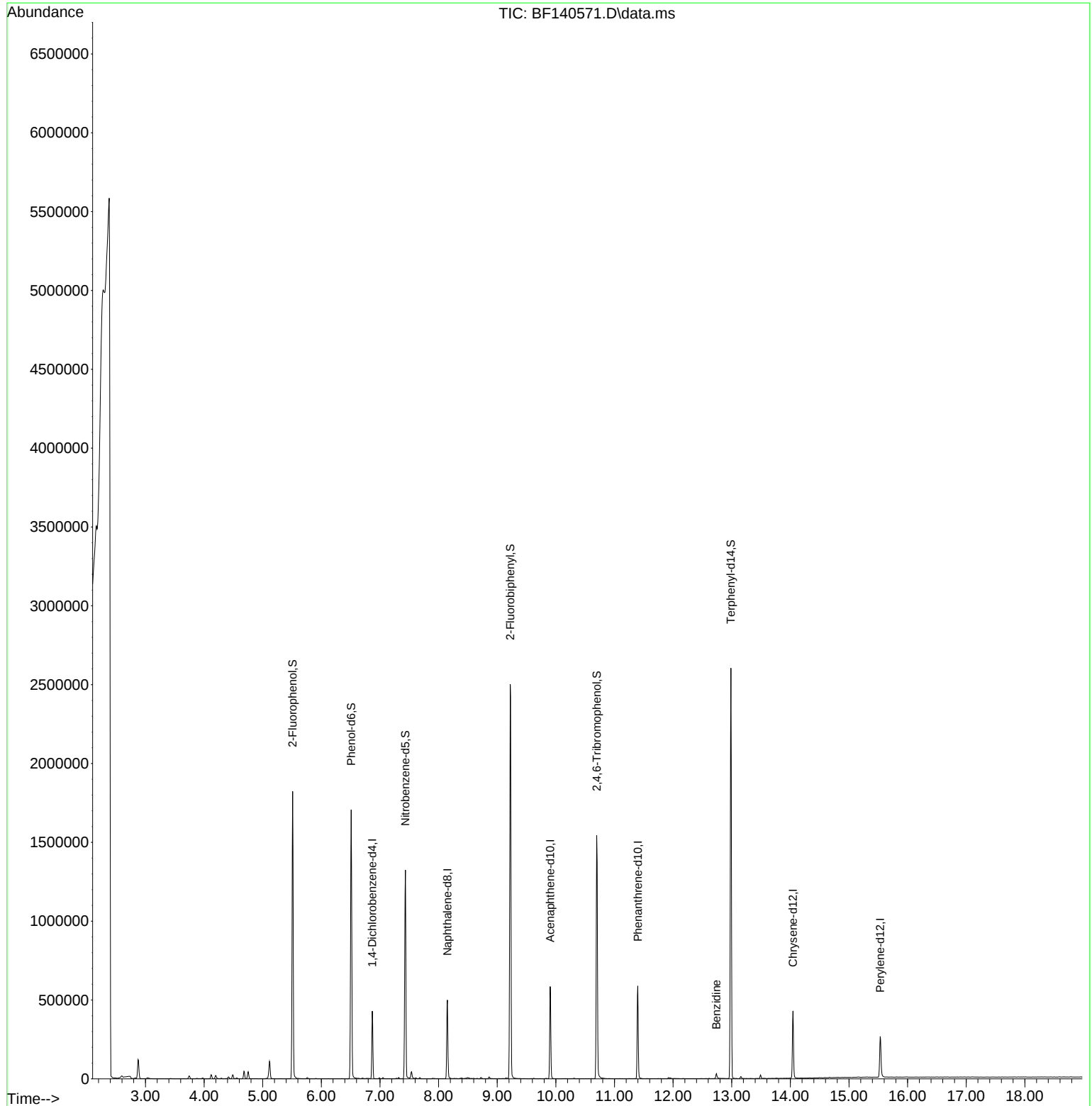
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min)  |
|-----------------------------|--------|------|----------|---------|-------|-----------|
| -----                       |        |      |          |         |       |           |
| Internal Standards          |        |      |          |         |       |           |
| 1) 1,4-Dichlorobenzene-d4   | 6.869  | 152  | 88384    | 20.000  | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.151  | 136  | 332168   | 20.000  | ng    | 0.00      |
| 39) Acenaphthene-d10        | 9.904  | 164  | 179805   | 20.000  | ng    | -0.01     |
| 64) Phenanthrene-d10        | 11.398 | 188  | 330443   | 20.000  | ng    | 0.00      |
| 76) Chrysene-d12            | 14.045 | 240  | 210042   | 20.000  | ng    | 0.00      |
| 86) Perylene-d12            | 15.533 | 264  | 170783   | 20.000  | ng    | 0.00      |
| System Monitoring Compounds |        |      |          |         |       |           |
| 5) 2-Fluorophenol           | 5.510  | 112  | 686098   | 132.448 | ng    | 0.01      |
| 7) Phenol-d6                | 6.510  | 99   | 822125   | 120.049 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 7.434  | 82   | 620169   | 95.499  | ng    | 0.00      |
| 42) 2,4,6-Tribromophenol    | 10.698 | 330  | 279517   | 145.353 | ng    | 0.00      |
| 45) 2-Fluorobiphenyl        | 9.222  | 172  | 1180564  | 97.827  | ng    | -0.01     |
| 79) Terphenyl-d14           | 12.986 | 244  | 1300992  | 96.448  | ng    | 0.00      |
| Target Compounds            |        |      |          |         |       |           |
| 77) Benzidine               | 12.739 | 184  | 24655    | 4.037   | ng    | Qvalue 99 |
| -----                       |        |      |          |         |       |           |

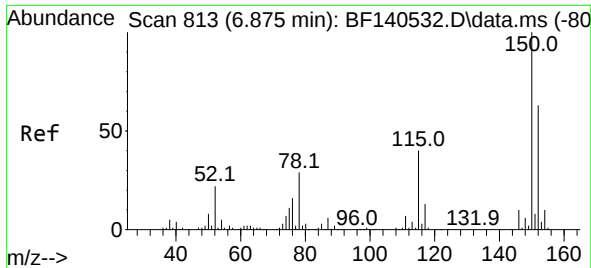
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112224\  
Data File : BF140571.D  
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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MH-741

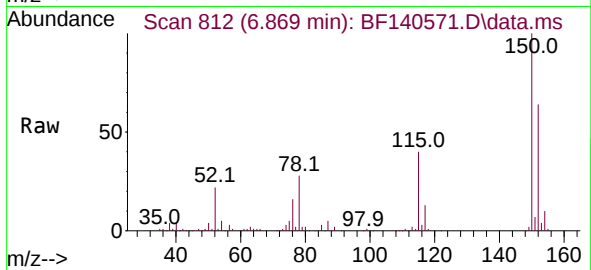
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration



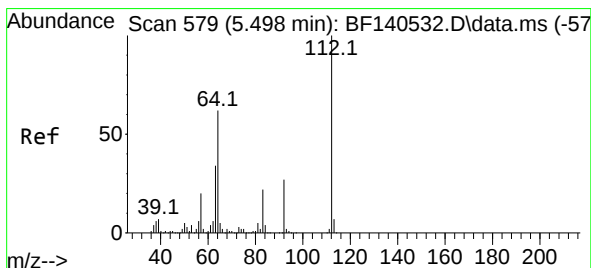
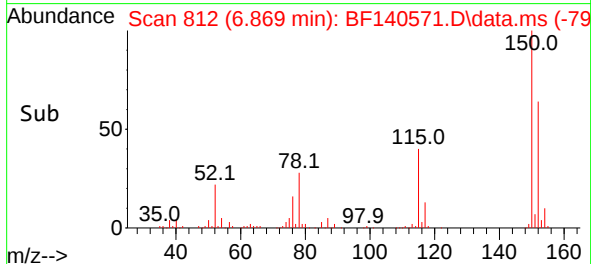
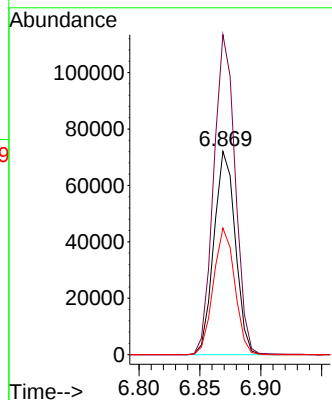


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.869 min Scan# 813  
Delta R.T. -0.006 min  
Lab File: BF140571.D  
Acq: 22 Nov 2024 12:28

Instrument :  
BNA\_F  
ClientSampleId :  
MH-741

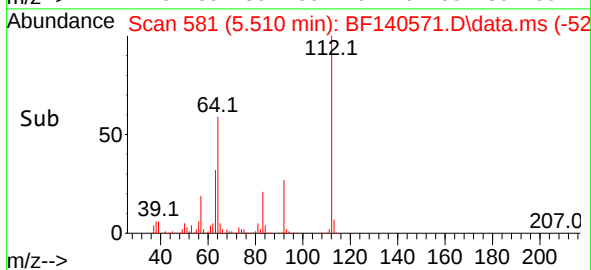
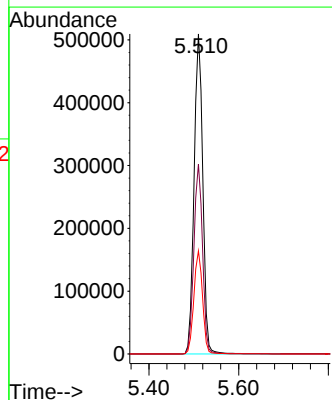
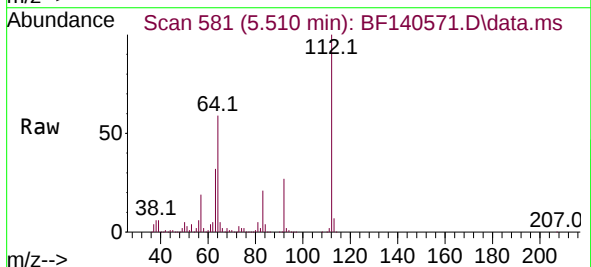


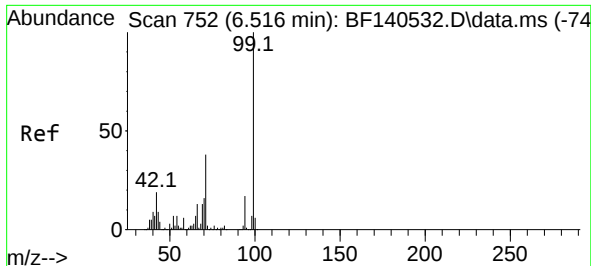
Tgt Ion:152 Resp: 88384  
Ion Ratio Lower Upper  
152 100  
150 157.3 128.5 192.7  
115 62.3 50.2 75.4



#5  
2-Fluorophenol  
Concen: 132.448 ng  
RT: 5.510 min Scan# 581  
Delta R.T. 0.012 min  
Lab File: BF140571.D  
Acq: 22 Nov 2024 12:28

Tgt Ion:112 Resp: 686098  
Ion Ratio Lower Upper  
112 100  
64 59.3 49.2 73.8  
63 32.2 27.0 40.4

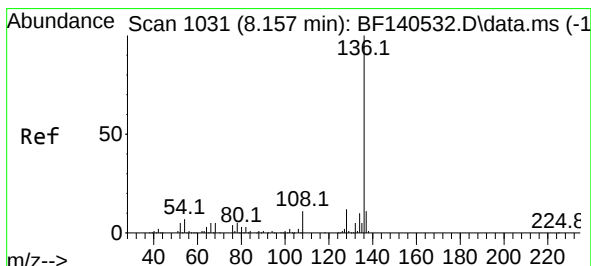
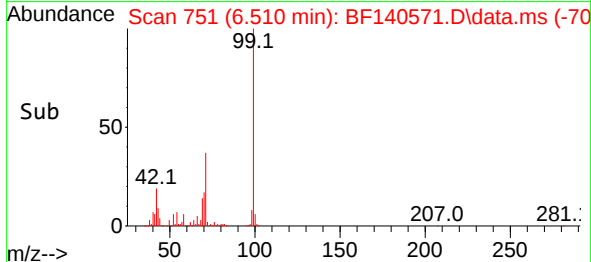
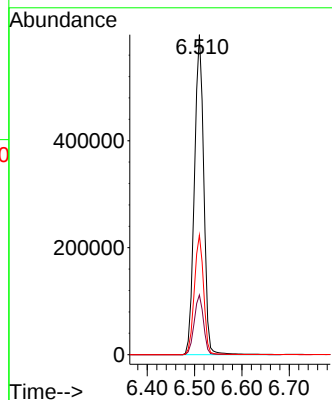
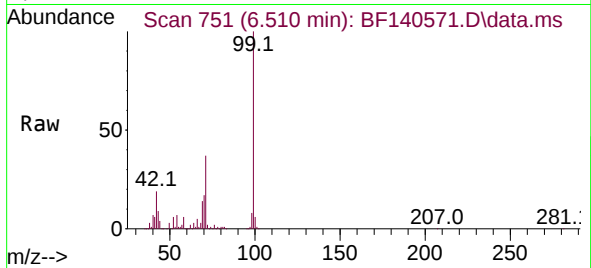




#7  
Phenol-d6  
Concen: 120.049 ng  
RT: 6.510 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF140571.D  
Acq: 22 Nov 2024 12:28

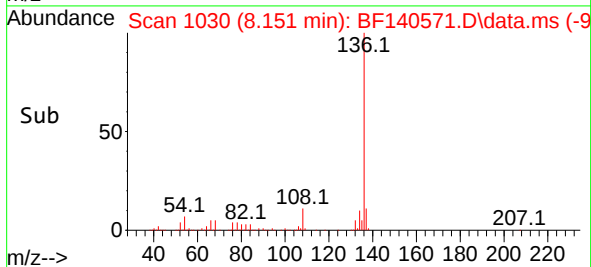
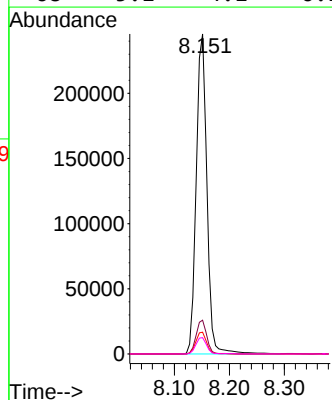
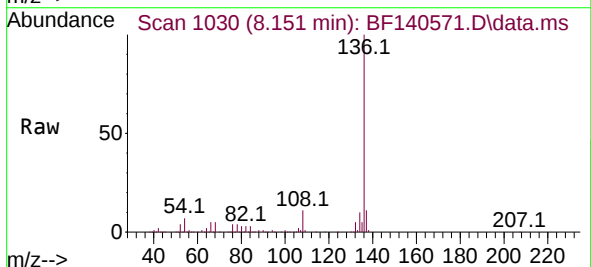
Instrument :  
BNA\_F  
ClientSampleId :  
MH-741

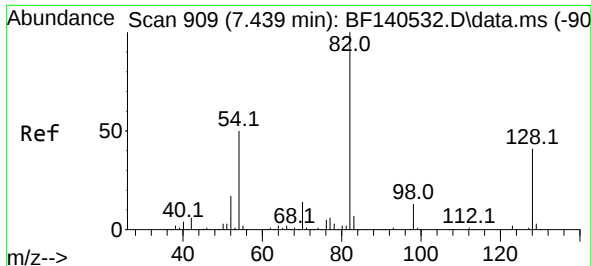
Tgt Ion: 99 Resp: 822125  
Ion Ratio Lower Upper  
99 100  
42 18.6 15.4 23.0  
71 37.4 30.6 46.0



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BF140571.D  
Acq: 22 Nov 2024 12:28

Tgt Ion: 136 Resp: 332168  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.6 13.0  
54 6.8 5.8 8.8  
68 5.1 4.1 6.1

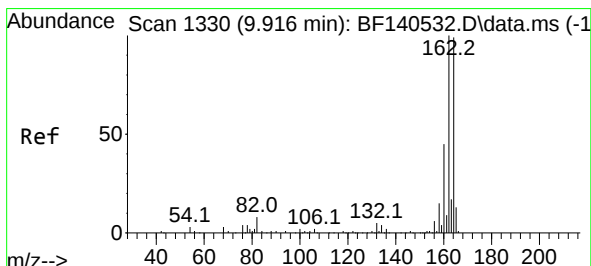
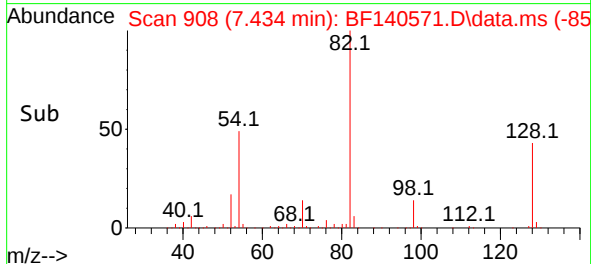
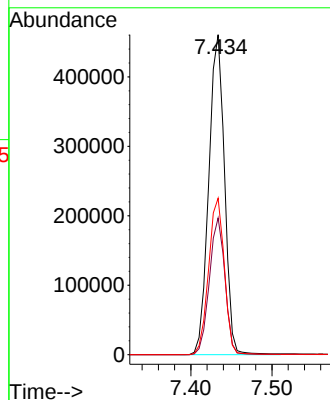
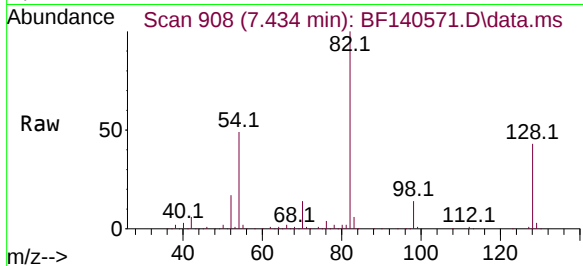




#23  
Nitrobenzene-d5  
Concen: 95.499 ng  
RT: 7.434 min Scan# 909  
Delta R.T. -0.006 min  
Lab File: BF140571.D  
Acq: 22 Nov 2024 12:28

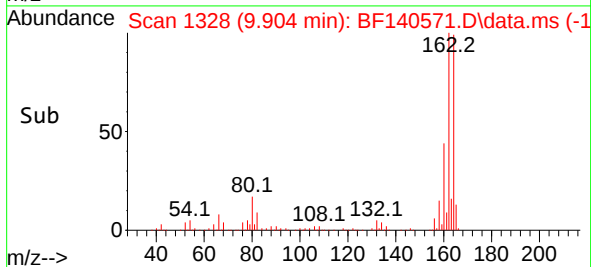
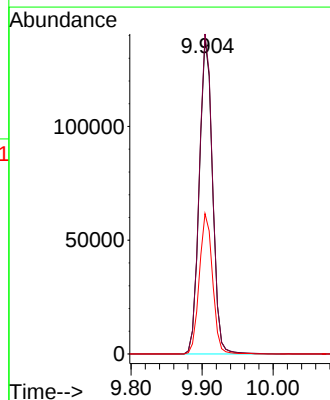
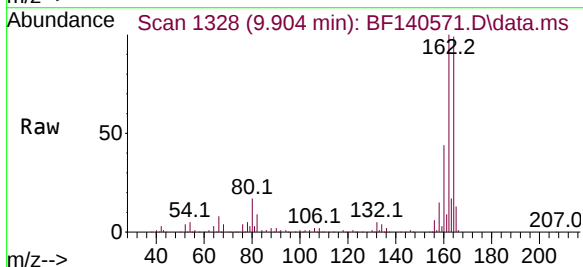
Instrument :  
BNA\_F  
ClientSampleId :  
MH-741

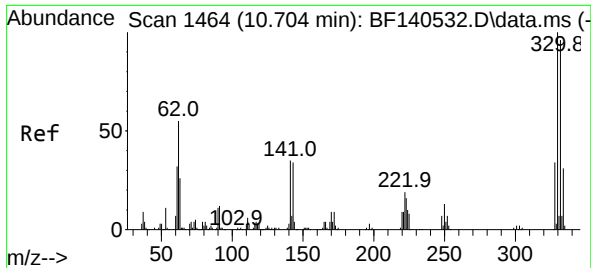
Tgt Ion: 82 Resp: 620169  
Ion Ratio Lower Upper  
82 100  
128 42.7 33.0 49.4  
54 48.9 39.5 59.3



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.904 min Scan# 1328  
Delta R.T. -0.012 min  
Lab File: BF140571.D  
Acq: 22 Nov 2024 12:28

Tgt Ion:164 Resp: 179805  
Ion Ratio Lower Upper  
164 100  
162 101.5 80.6 120.8  
160 44.5 36.2 54.4

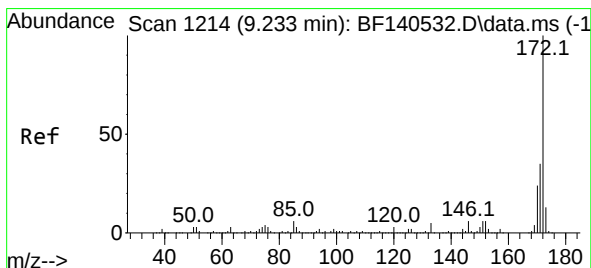
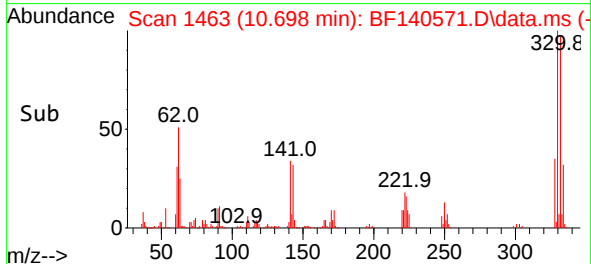
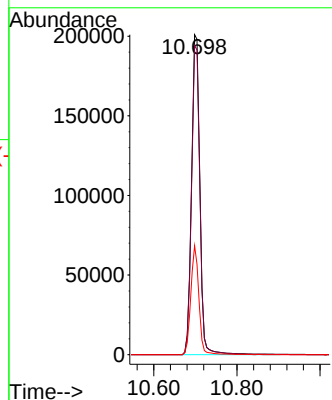
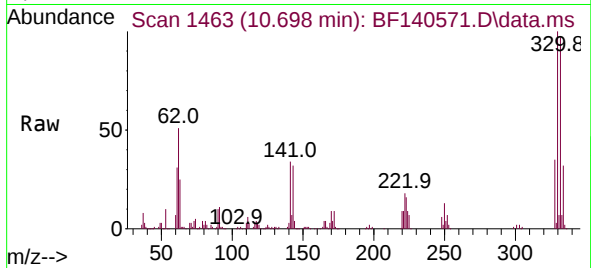




#42  
2,4,6-Tribromophenol  
Concen: 145.353 ng  
RT: 10.698 min Scan# 1463  
Delta R.T. -0.006 min  
Lab File: BF140571.D  
Acq: 22 Nov 2024 12:28

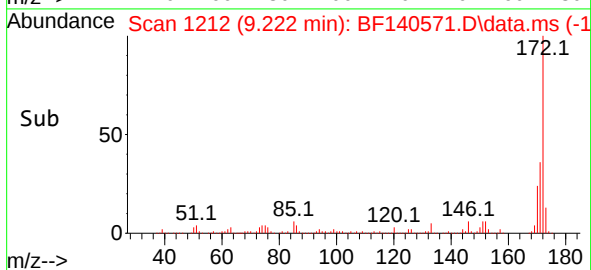
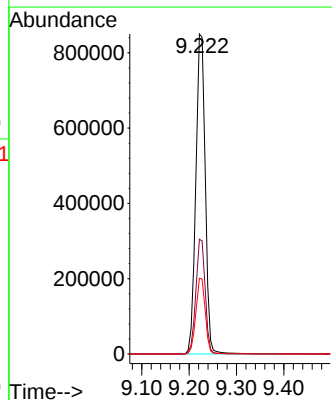
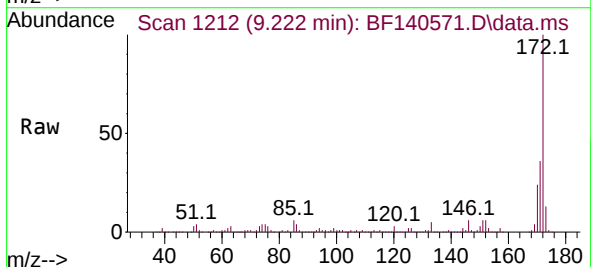
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ClientSampleId :  
MH-741

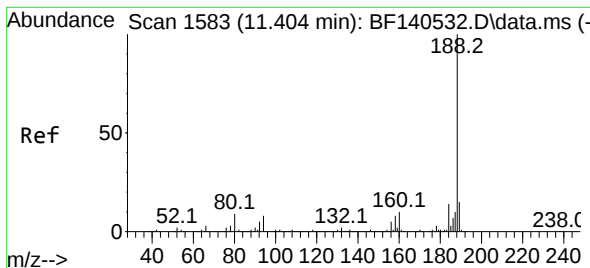
Tgt Ion: 330 Resp: 279517  
Ion Ratio Lower Upper  
330 100  
332 96.2 76.9 115.3  
141 33.0 26.7 40.1



#45  
2-Fluorobiphenyl  
Concen: 97.827 ng  
RT: 9.222 min Scan# 1212  
Delta R.T. -0.012 min  
Lab File: BF140571.D  
Acq: 22 Nov 2024 12:28

Tgt Ion: 172 Resp: 1180564  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.4 42.6  
170 23.7 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140571.D

Acq: 22 Nov 2024 12:28

Instrument :

BNA\_F

ClientSampleId :

MH-741

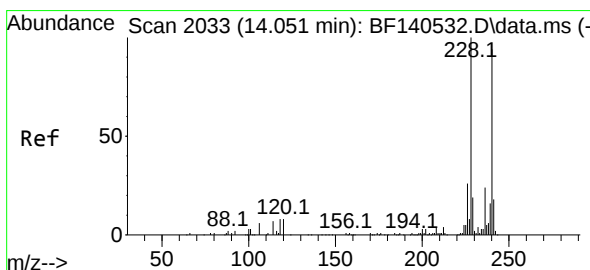
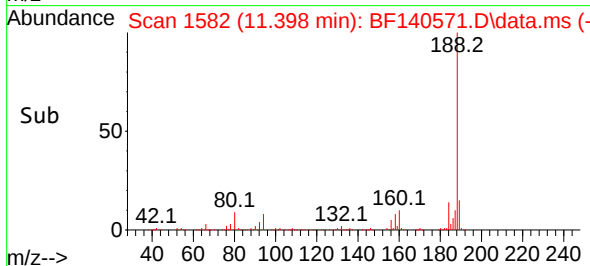
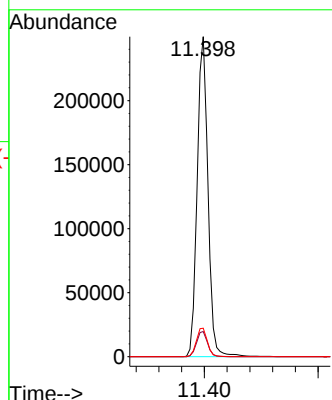
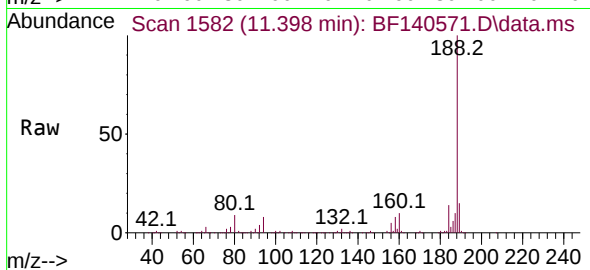
Tgt Ion:188 Resp: 330443

Ion Ratio Lower Upper

188 100

94 7.9 6.4 9.6

80 8.9 6.9 10.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140571.D

Acq: 22 Nov 2024 12:28

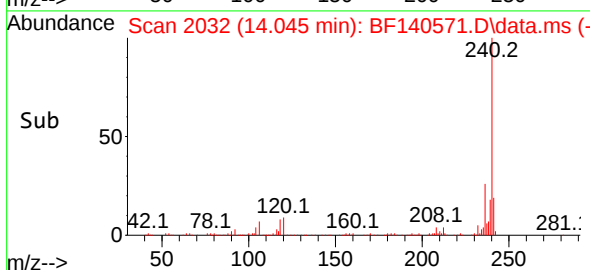
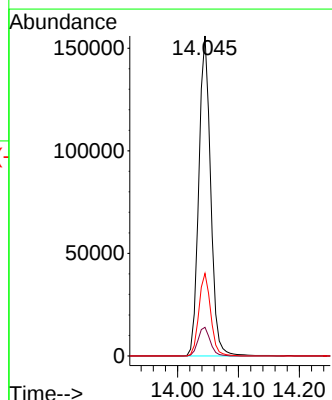
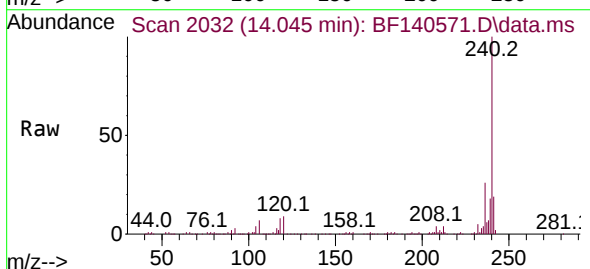
Tgt Ion:240 Resp: 210042

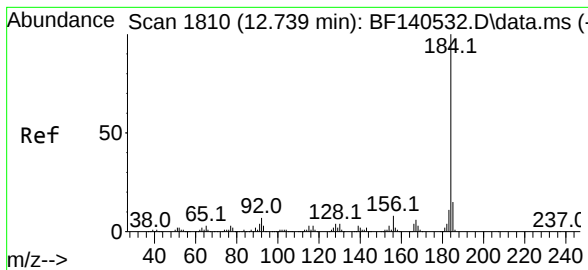
Ion Ratio Lower Upper

240 100

120 8.9 7.3 10.9

236 25.8 20.6 31.0

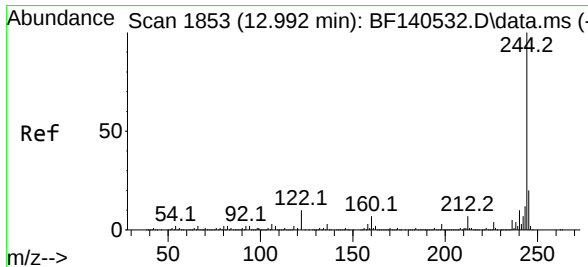
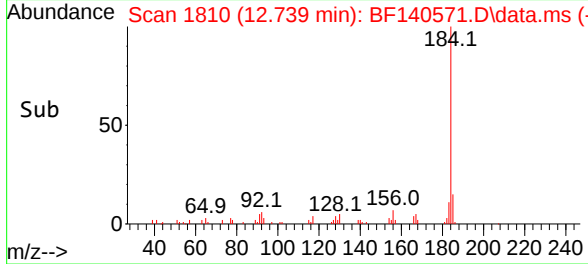
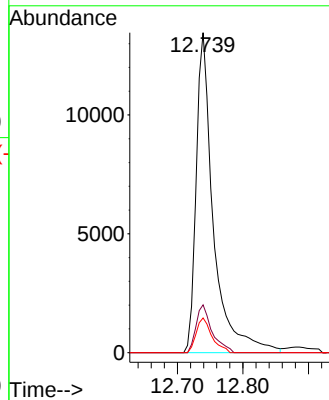
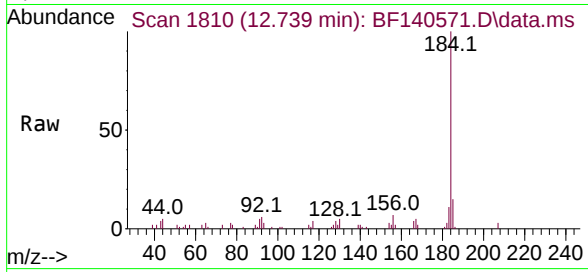




#77  
Benzidine  
Concen: 4.037 ng  
RT: 12.739 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: BF140571.D  
Acq: 22 Nov 2024 12:28

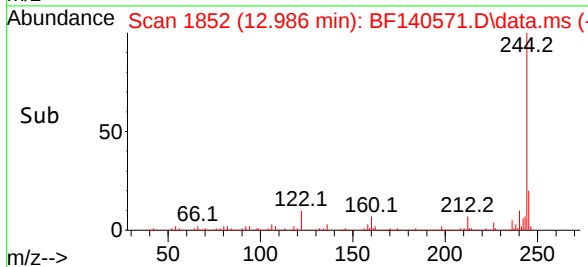
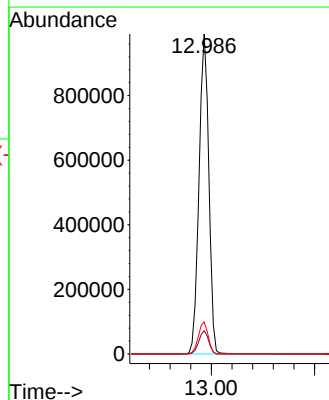
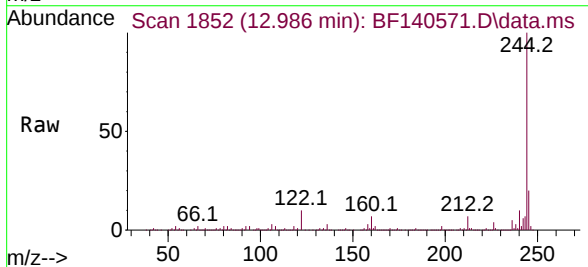
Instrument :  
BNA\_F  
ClientSampleId :  
MH-741

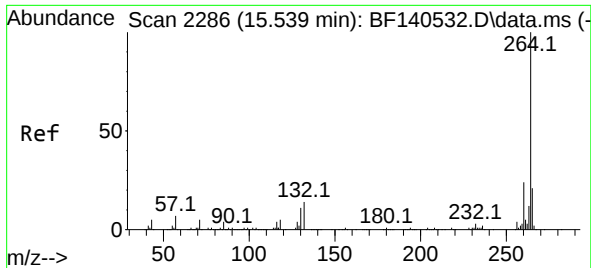
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:184 | Resp: | 24655     |
| Ion Ratio   | Lower | Upper     |
| 184         | 100   |           |
| 185         | 14.9  | 11.7 17.5 |
| 183         | 10.8  | 8.8 13.2  |



#79  
Terphenyl-d14  
Concen: 96.448 ng  
RT: 12.986 min Scan# 1852  
Delta R.T. -0.006 min  
Lab File: BF140571.D  
Acq: 22 Nov 2024 12:28

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:244 | Resp: | 1300992  |
| Ion Ratio   | Lower | Upper    |
| 244         | 100   |          |
| 212         | 7.3   | 5.8 8.8  |
| 122         | 10.0  | 8.0 12.0 |





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.533 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BF140571.D  
 Acq: 22 Nov 2024 12:28

Instrument :  
 BNA\_F  
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Tgt Ion:264 Resp: 170783  
 Ion Ratio Lower Upper  
 264 100  
 260 23.4 19.0 28.6  
 265 21.1 16.6 25.0

