

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091724\  
 Data File : BF139399.D  
 Acq On : 17 Sep 2024 13:48  
 Operator : RC/JU  
 Sample : P3905-06  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP-1

Quant Time: Sep 17 14:10:41 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 14 02:58:23 2024  
 Response via : Initial Calibration

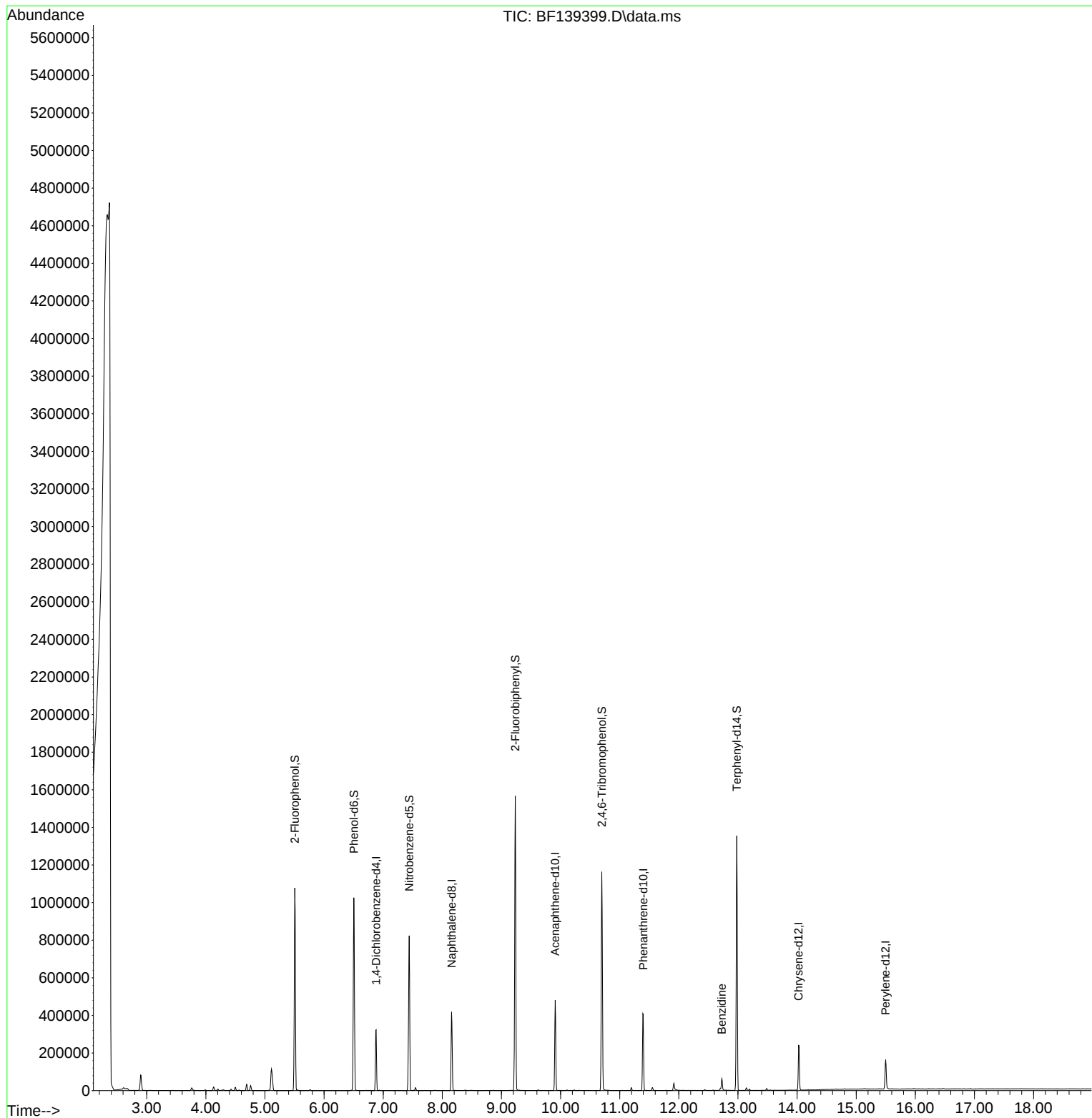
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min)  |
|-----------------------------|--------|------|----------|---------|-------|-----------|
| -----                       |        |      |          |         |       |           |
| Internal Standards          |        |      |          |         |       |           |
| 1) 1,4-Dichlorobenzene-d4   | 6.881  | 152  | 63471    | 20.000  | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.157  | 136  | 237287   | 20.000  | ng    | 0.00      |
| 39) Acenaphthene-d10        | 9.910  | 164  | 134667   | 20.000  | ng    | 0.00      |
| 64) Phenanthrene-d10        | 11.398 | 188  | 219233   | 20.000  | ng    | 0.00      |
| 76) Chrysene-d12            | 14.027 | 240  | 113603   | 20.000  | ng    | 0.00      |
| 86) Perylene-d12            | 15.498 | 264  | 91031    | 20.000  | ng    | 0.00      |
| System Monitoring Compounds |        |      |          |         |       |           |
| 5) 2-Fluorophenol           | 5.504  | 112  | 339288   | 87.205  | ng    | 0.01      |
| 7) Phenol-d6                | 6.504  | 99   | 416988   | 81.653  | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 7.439  | 82   | 345919   | 68.534  | ng    | 0.00      |
| 42) 2,4,6-Tribromophenol    | 10.698 | 330  | 170995   | 119.269 | ng    | 0.00      |
| 45) 2-Fluorobiphenyl        | 9.233  | 172  | 658409   | 68.571  | ng    | 0.00      |
| 79) Terphenyl-d14           | 12.980 | 244  | 628181   | 90.763  | ng    | 0.00      |
| Target Compounds            |        |      |          |         |       |           |
| 77) Benzidine               | 12.727 | 184  | 33585    | 20.635  | ng    | Qvalue 99 |
| -----                       |        |      |          |         |       |           |

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

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Sample : P3905-06  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

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Quant Time: Sep 17 14:10:41 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091324.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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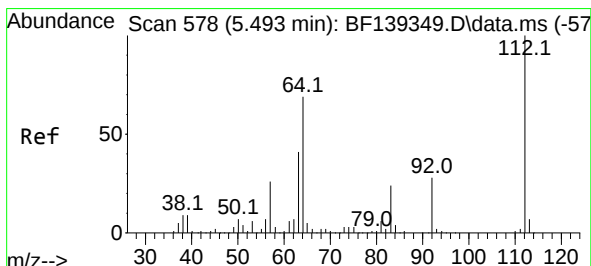
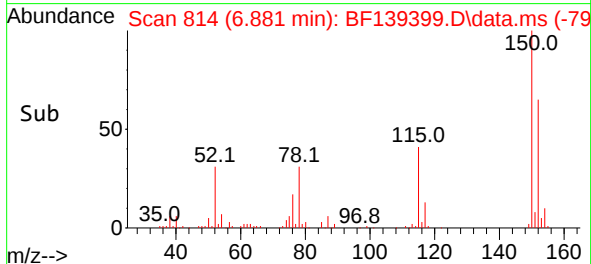
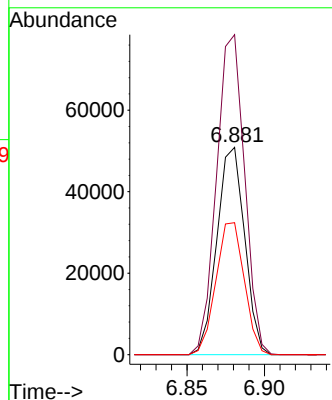
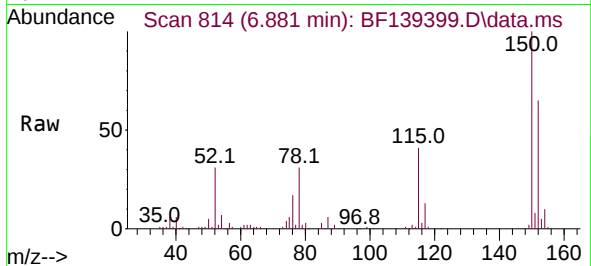




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.881 min Scan# 814  
Delta R.T. -0.000 min  
Lab File: BF139399.D  
Acq: 17 Sep 2024 13:48

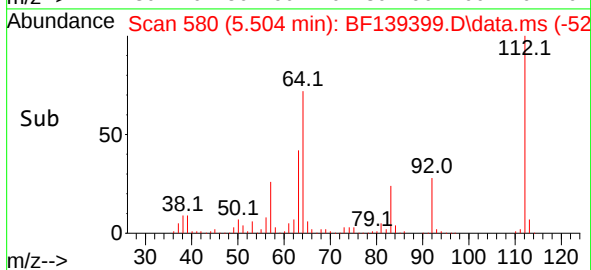
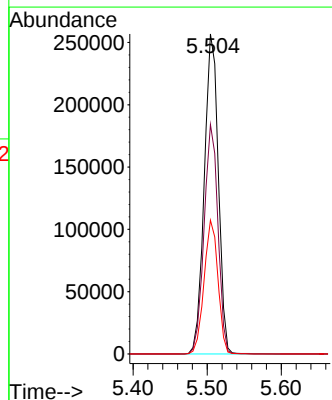
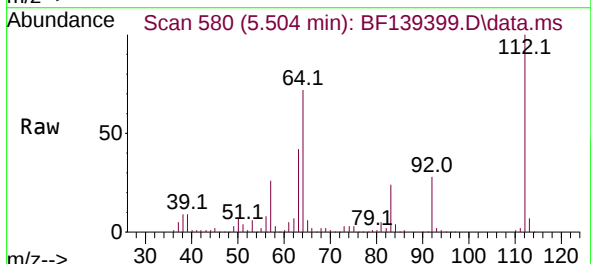
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-1

Tgt Ion:152 Resp: 63471  
Ion Ratio Lower Upper  
152 100  
150 154.3 124.1 186.1  
115 63.6 48.1 72.1



#5  
2-Fluorophenol  
Concen: 87.205 ng  
RT: 5.504 min Scan# 580  
Delta R.T. 0.011 min  
Lab File: BF139399.D  
Acq: 17 Sep 2024 13:48

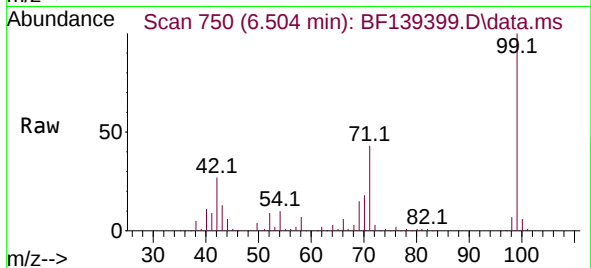
Tgt Ion:112 Resp: 339288  
Ion Ratio Lower Upper  
112 100  
64 71.7 54.8 82.2  
63 41.8 33.0 49.4



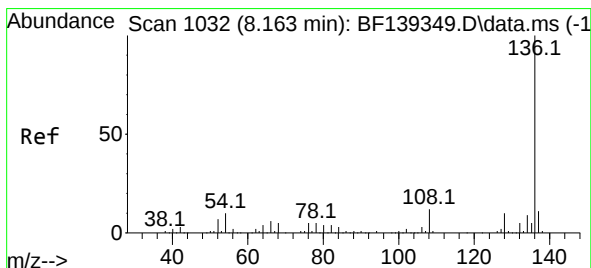
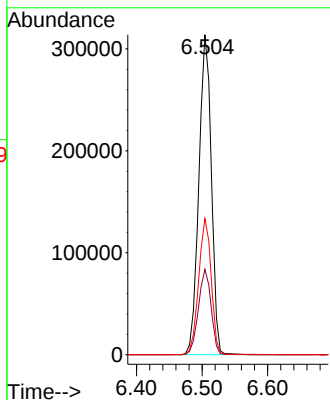
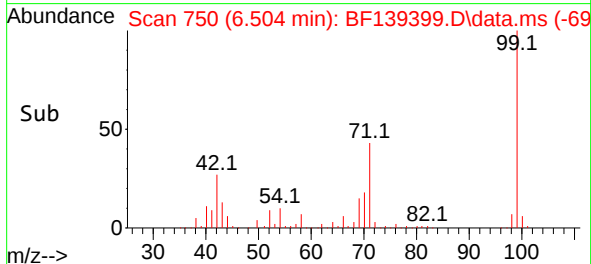


#7  
Phenol-d6  
Concen: 81.653 ng  
RT: 6.504 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF139399.D  
Acq: 17 Sep 2024 13:48

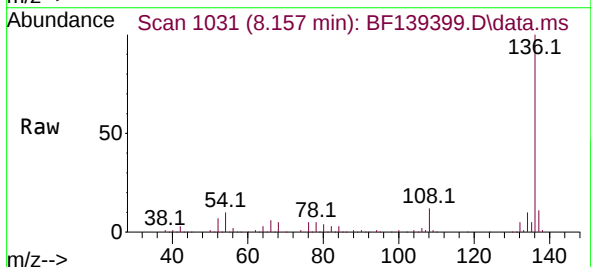
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-1



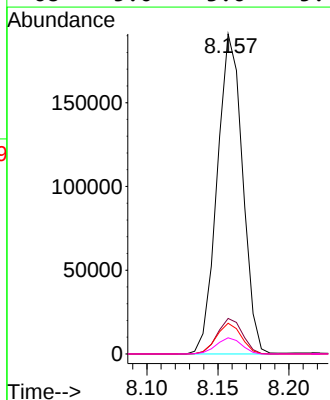
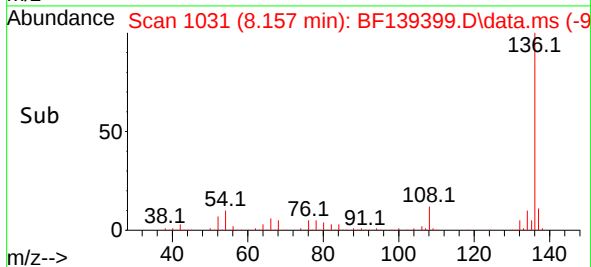
Tgt Ion: 99 Resp: 416988  
Ion Ratio Lower Upper  
99 100  
42 26.7 21.9 32.9  
71 42.5 34.6 52.0



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: BF139399.D  
Acq: 17 Sep 2024 13:48



Tgt Ion: 136 Resp: 237287  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.6 12.8  
54 9.6 7.8 11.8  
68 5.0 3.6 5.4





#23

Nitrobenzene-d5

Concen: 68.534 ng

RT: 7.439 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF139399.D

Acq: 17 Sep 2024 13:48

Instrument :

BNA\_F

ClientSampleId :

COMP-1

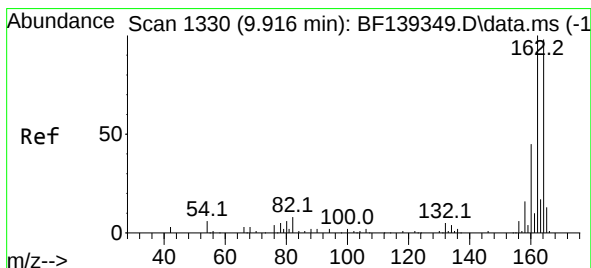
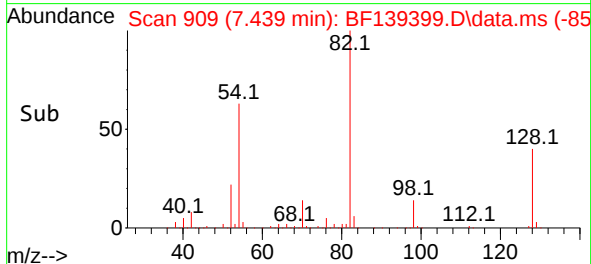
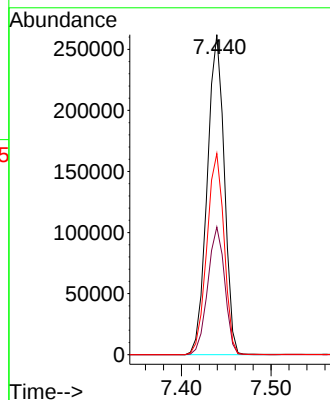
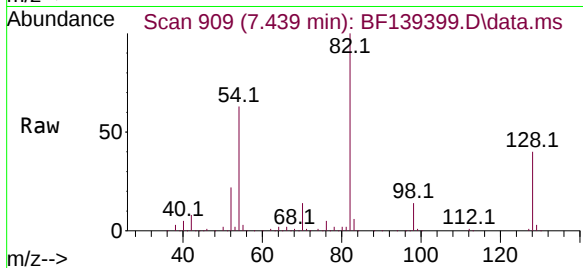
Tgt Ion: 82 Resp: 345919

Ion Ratio Lower Upper

82 100

128 39.9 31.8 47.6

54 62.9 50.6 75.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF139399.D

Acq: 17 Sep 2024 13:48

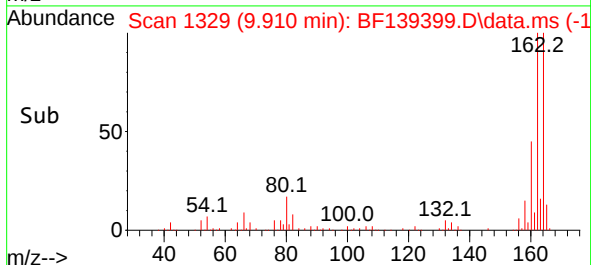
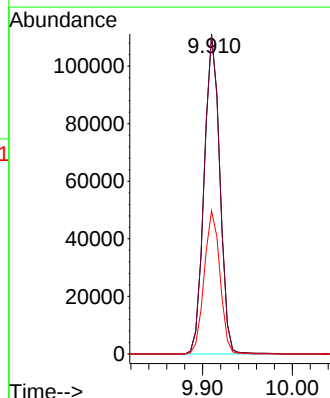
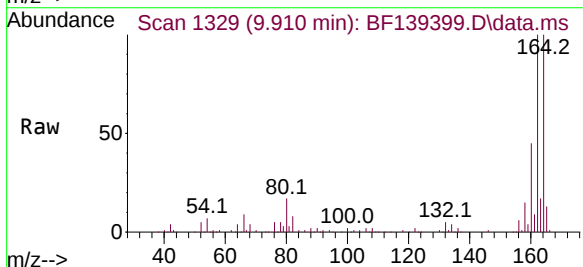
Tgt Ion:164 Resp: 134667

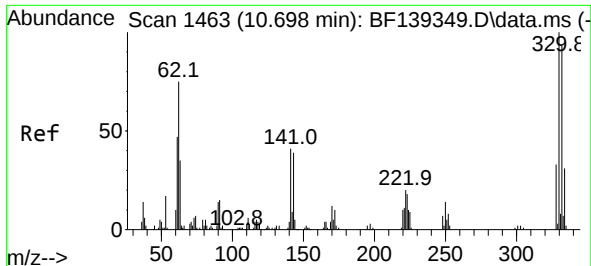
Ion Ratio Lower Upper

164 100

162 99.6 81.3 121.9

160 44.8 36.4 54.6

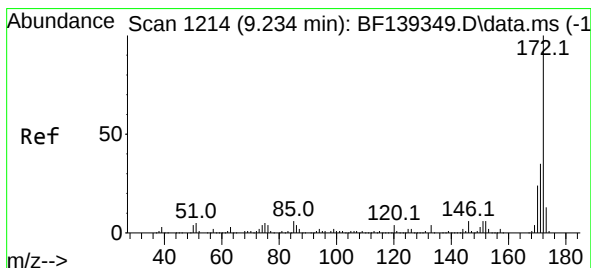
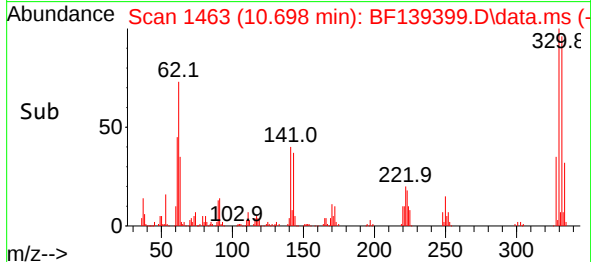
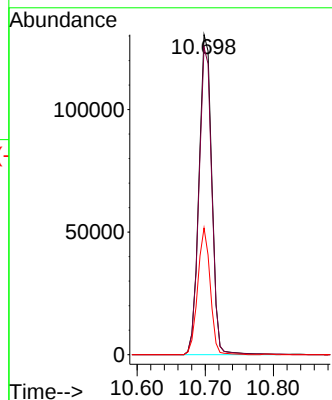
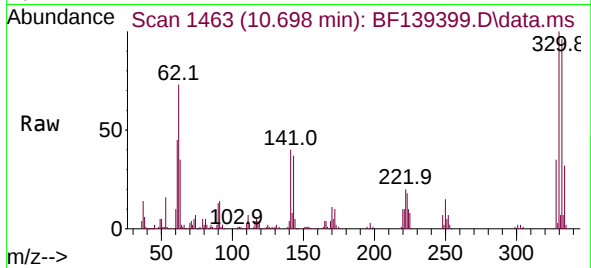




#42  
2,4,6-Tribromophenol  
Concen: 119.269 ng  
RT: 10.698 min Scan# 1463  
Delta R.T. -0.000 min  
Lab File: BF139399.D  
Acq: 17 Sep 2024 13:48

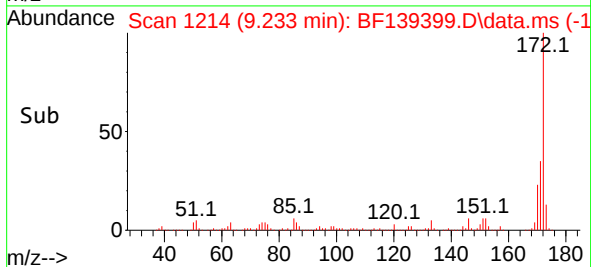
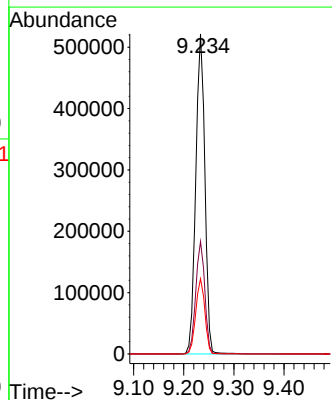
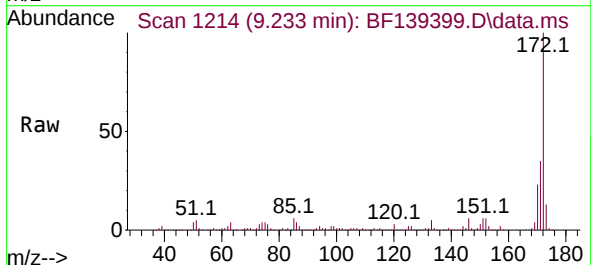
Instrument :  
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COMP-1

Tgt Ion:330 Resp: 170995  
Ion Ratio Lower Upper  
330 100  
332 96.4 75.2 112.8  
141 38.3 31.2 46.8



#45  
2-Fluorobiphenyl  
Concen: 68.571 ng  
RT: 9.233 min Scan# 1214  
Delta R.T. -0.000 min  
Lab File: BF139399.D  
Acq: 17 Sep 2024 13:48

Tgt Ion:172 Resp: 658409  
Ion Ratio Lower Upper  
172 100  
171 35.2 28.3 42.5  
170 23.5 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF139399.D

Acq: 17 Sep 2024 13:48

Instrument :

BNA\_F

ClientSampleId :

COMP-1

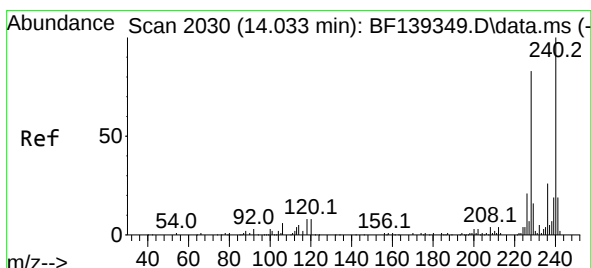
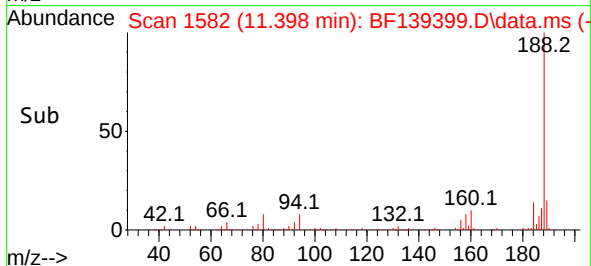
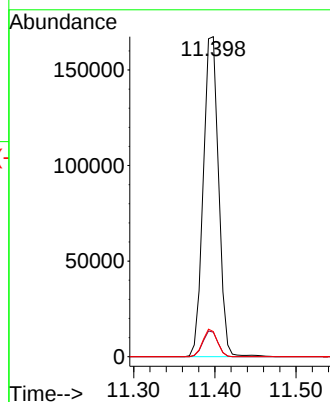
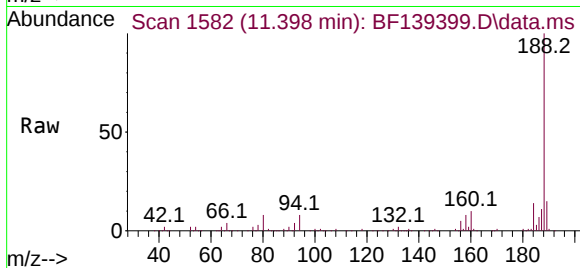
Tgt Ion:188 Resp: 219233

Ion Ratio Lower Upper

188 100

94 7.6 5.5 8.3

80 7.9 6.6 9.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF139399.D

Acq: 17 Sep 2024 13:48

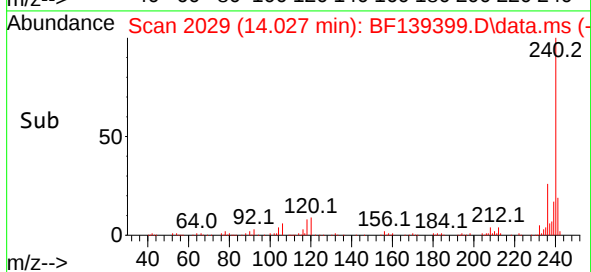
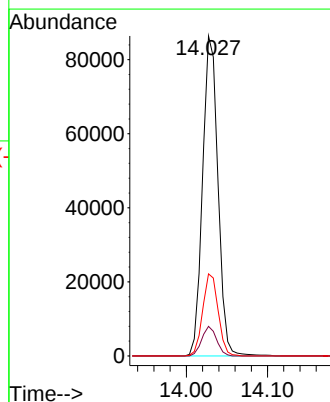
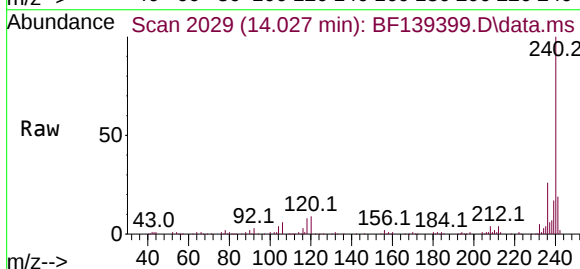
Tgt Ion:240 Resp: 113603

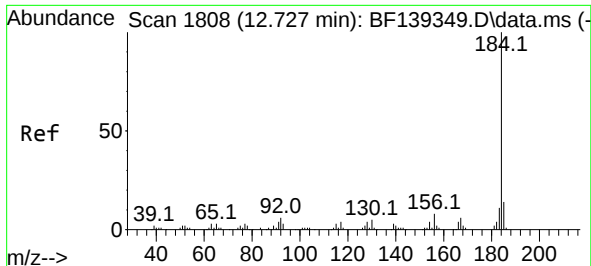
Ion Ratio Lower Upper

240 100

120 9.2 6.2 9.2

236 25.7 20.9 31.3

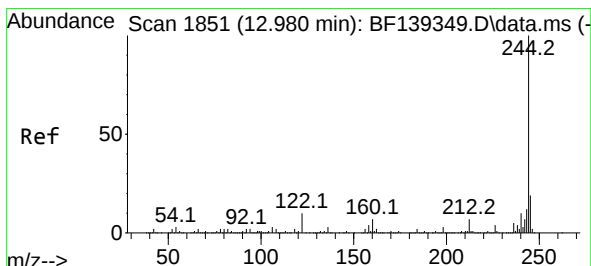
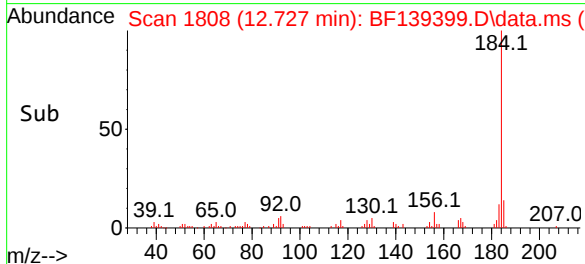
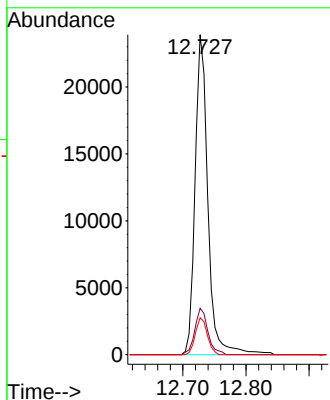
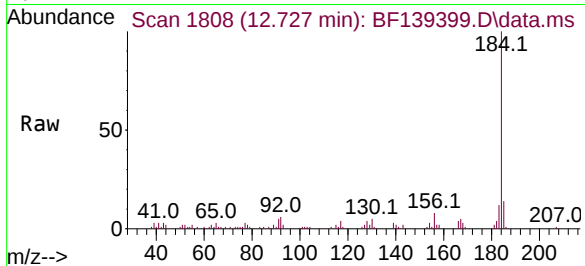




#77  
Benzidine  
Concen: 20.635 ng  
RT: 12.727 min Scan# 1808  
Delta R.T. -0.000 min  
Lab File: BF139399.D  
Acq: 17 Sep 2024 13:48

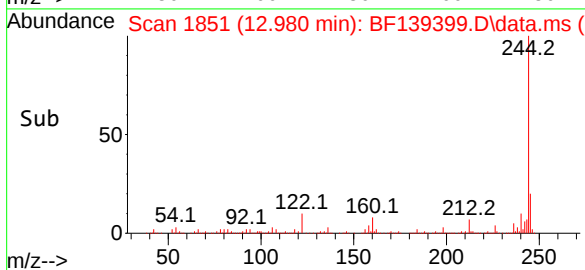
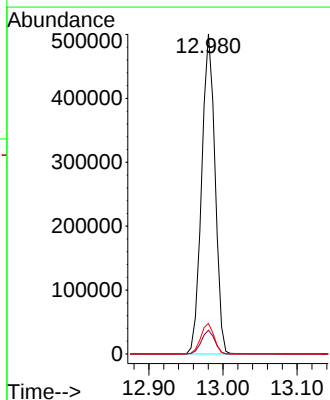
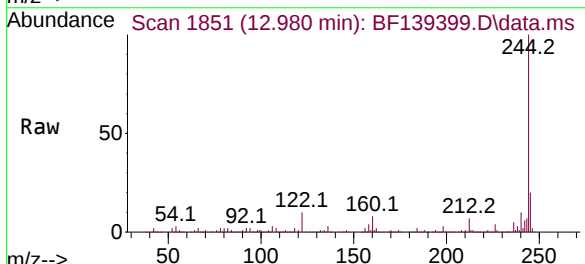
Instrument :  
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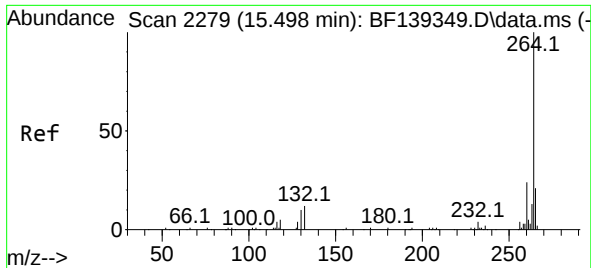
Tgt Ion:184 Resp: 33585  
Ion Ratio Lower Upper  
184 100  
185 14.5 11.5 17.3  
183 11.5 8.9 13.3



#79  
Terphenyl-d14  
Concen: 90.763 ng  
RT: 12.980 min Scan# 1851  
Delta R.T. -0.000 min  
Lab File: BF139399.D  
Acq: 17 Sep 2024 13:48

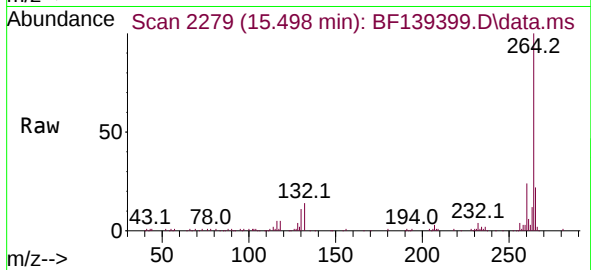
Tgt Ion:244 Resp: 628181  
Ion Ratio Lower Upper  
244 100  
212 7.4 6.0 9.0  
122 9.6 7.6 11.4





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.498 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BF139399.D  
Acq: 17 Sep 2024 13:48

Instrument :  
BNA\_F  
ClientSampleId :  
COMP-1



Tgt Ion:264 Resp: 91031  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.5  | 19.5  | 29.3  |
| 265 | 21.8  | 16.6  | 25.0  |

