

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071024\  
 Data File : BF138511.D  
 Acq On : 10 Jul 2024 20:19  
 Operator : CG\JU  
 Sample : P3186-04  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-4

Quant Time: Jul 11 00:53:08 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF070924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 09 16:58:40 2024  
 Response via : Initial Calibration

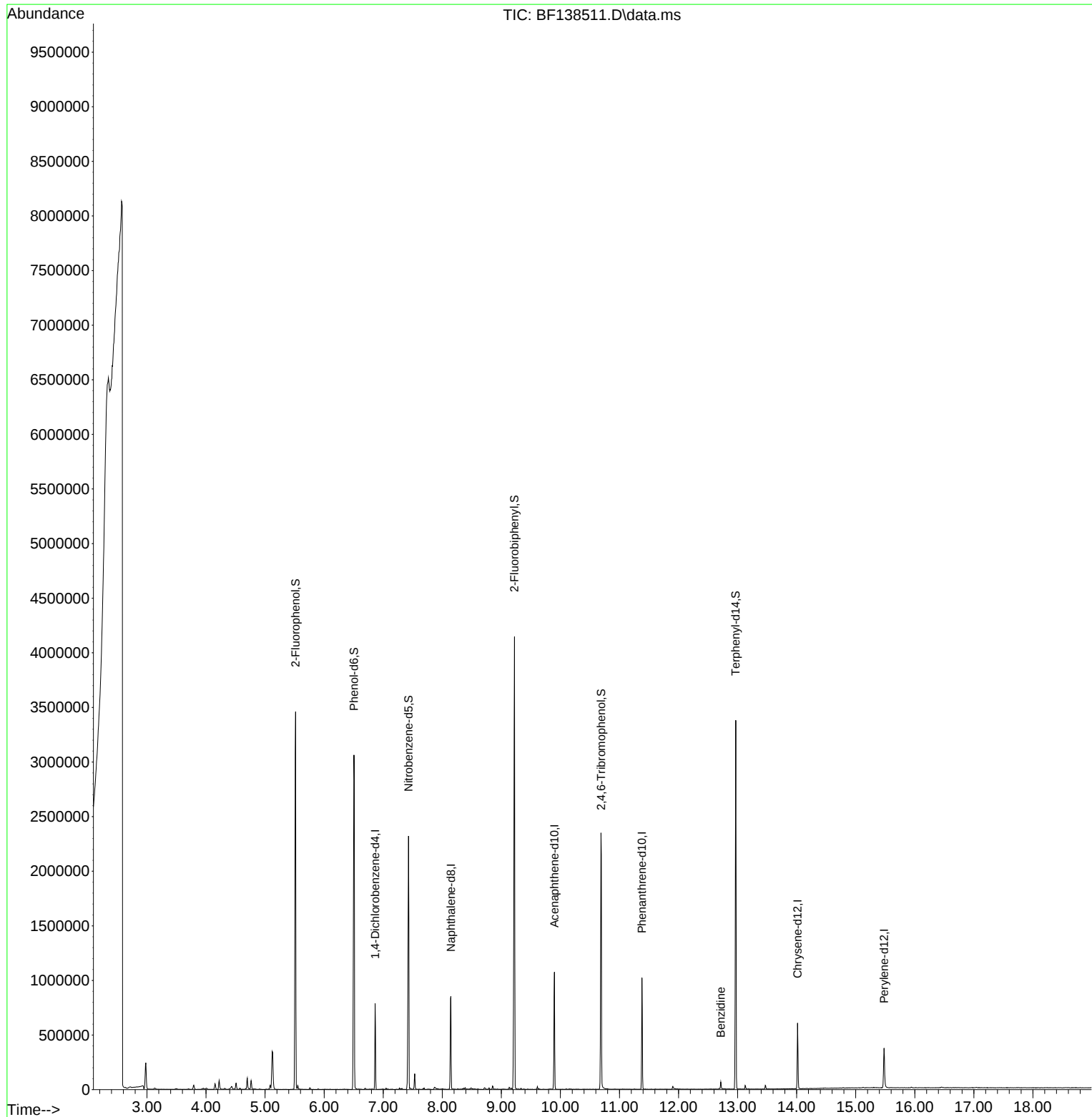
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min)  |
|-----------------------------|--------|------|----------|---------|-------|-----------|
| -----                       |        |      |          |         |       |           |
| Internal Standards          |        |      |          |         |       |           |
| 1) 1,4-Dichlorobenzene-d4   | 6.863  | 152  | 95992    | 20.000  | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.145  | 136  | 390242   | 20.000  | ng    | 0.00      |
| 39) Acenaphthene-d10        | 9.898  | 164  | 213556   | 20.000  | ng    | 0.00      |
| 64) Phenanthrene-d10        | 11.381 | 188  | 341284   | 20.000  | ng    | 0.00      |
| 76) Chrysene-d12            | 14.016 | 240  | 181865   | 20.000  | ng    | -0.01     |
| 86) Perylene-d12            | 15.480 | 264  | 169836   | 20.000  | ng    | 0.00      |
| System Monitoring Compounds |        |      |          |         |       |           |
| 5) 2-Fluorophenol           | 5.516  | 112  | 862816   | 142.355 | ng    | 0.02      |
| 7) Phenol-d6                | 6.504  | 99   | 1136273  | 140.925 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 7.428  | 82   | 779869   | 98.118  | ng    | 0.00      |
| 42) 2,4,6-Tribromophenol    | 10.692 | 330  | 281372   | 140.975 | ng    | 0.00      |
| 45) 2-Fluorobiphenyl        | 9.222  | 172  | 1327610  | 97.161  | ng    | 0.00      |
| 79) Terphenyl-d14           | 12.969 | 244  | 1098405  | 98.393  | ng    | 0.00      |
| Target Compounds            |        |      |          |         |       |           |
| 77) Benzidine               | 12.716 | 184  | 21788    | 4.748   | ng    | Qvalue 98 |
| -----                       |        |      |          |         |       |           |

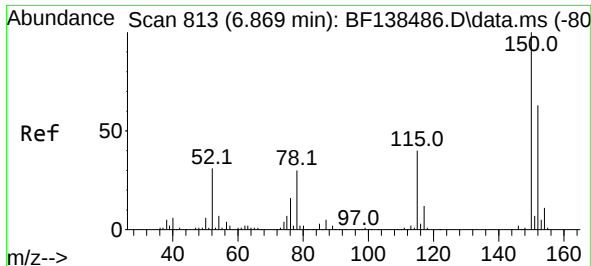
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071024\  
Data File : BF138511.D  
Acq On : 10 Jul 2024 20:19  
Operator : CG\JU  
Sample : P3186-04  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WC-4

Quant Time: Jul 11 00:53:08 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF070924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 09 16:58:40 2024  
Response via : Initial Calibration

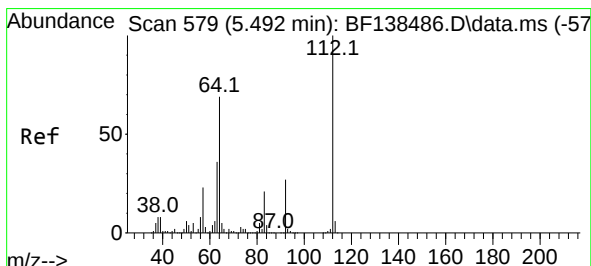
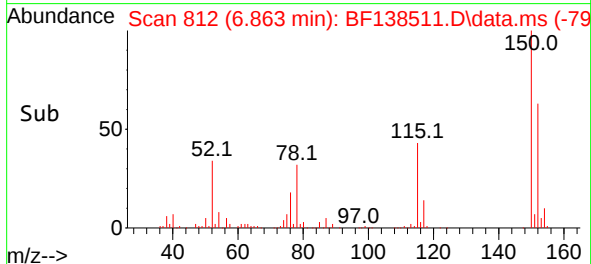
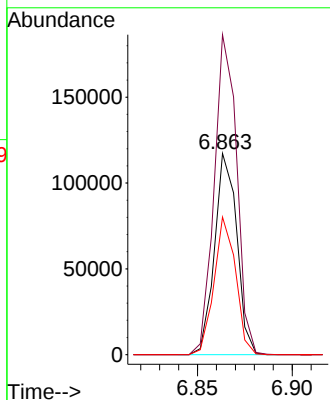
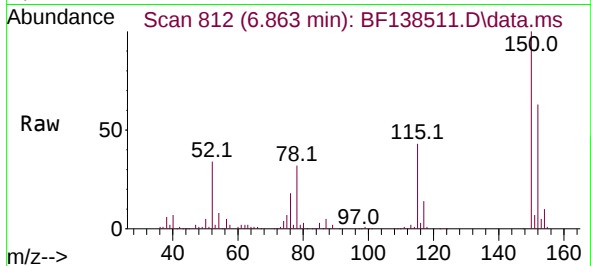




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.863 min Scan# 813  
Delta R.T. -0.006 min  
Lab File: BF138511.D  
Acq: 10 Jul 2024 20:19

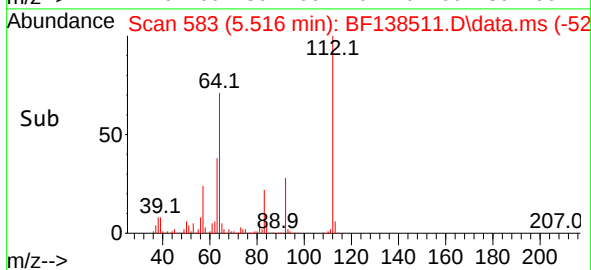
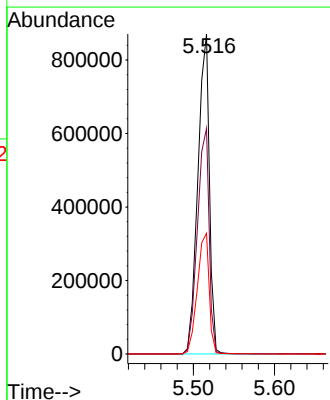
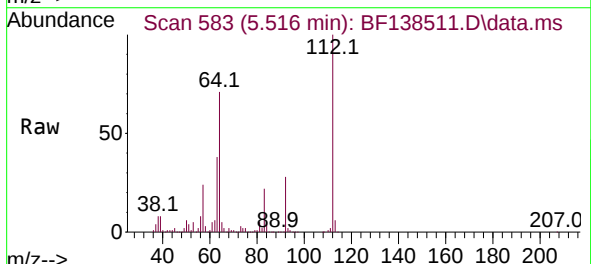
Instrument :  
BNA\_F  
ClientSampleId :  
WC-4

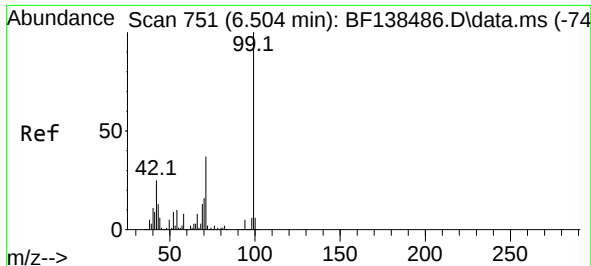
Tgt Ion:152 Resp: 95992  
Ion Ratio Lower Upper  
152 100  
150 159.0 126.2 189.4  
115 68.4 50.3 75.5



#5  
2-Fluorophenol  
Concen: 142.355 ng  
RT: 5.516 min Scan# 583  
Delta R.T. 0.024 min  
Lab File: BF138511.D  
Acq: 10 Jul 2024 20:19

Tgt Ion:112 Resp: 862816  
Ion Ratio Lower Upper  
112 100  
64 70.5 55.1 82.7  
63 37.8 29.0 43.6





#7  
Phenol-d6  
Concen: 140.925 ng  
RT: 6.504 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF138511.D  
Acq: 10 Jul 2024 20:19

Instrument :

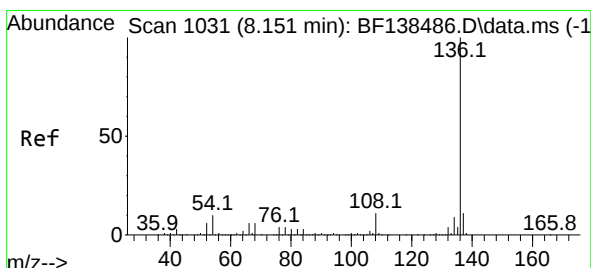
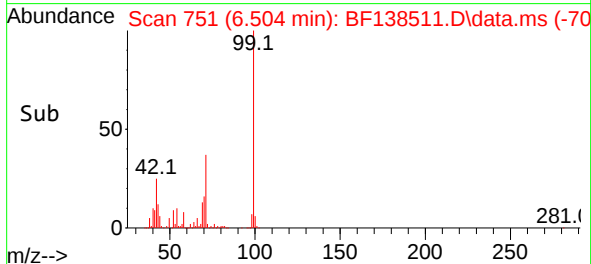
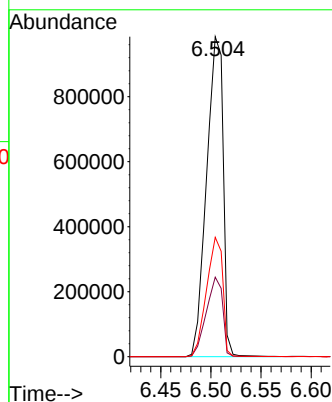
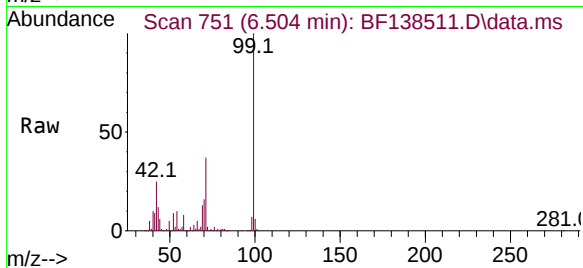
BNA\_F

ClientSampleId :

WC-4

Tgt Ion: 99 Resp: 1136273

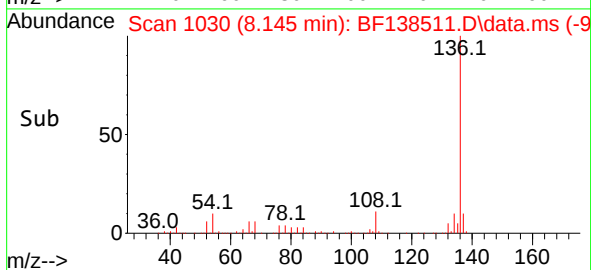
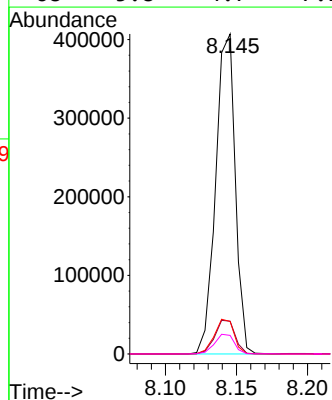
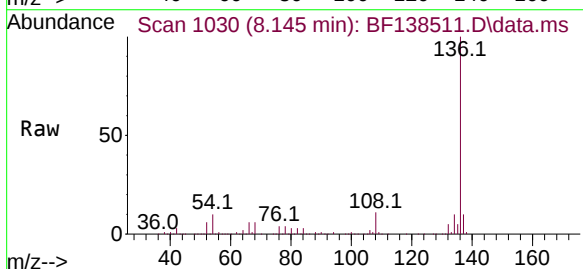
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 24.9  | 19.7  | 29.5  |
| 71  | 37.3  | 29.9  | 44.9  |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.145 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BF138511.D  
Acq: 10 Jul 2024 20:19

Tgt Ion: 136 Resp: 390242

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.2  | 8.5   | 12.7  |
| 54  | 10.1  | 8.1   | 12.1  |
| 68  | 5.8   | 4.7   | 7.1   |





#23

Nitrobenzene-d5

Concen: 98.118 ng

RT: 7.428 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF138511.D

Acq: 10 Jul 2024 20:19

Instrument :

BNA\_F

ClientSampleId :

WC-4

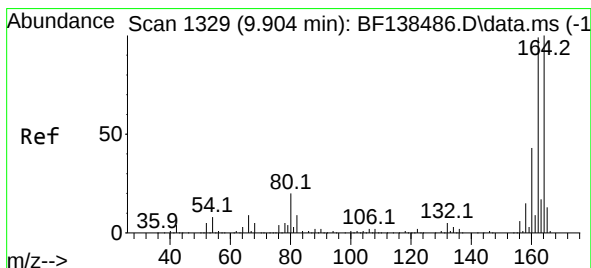
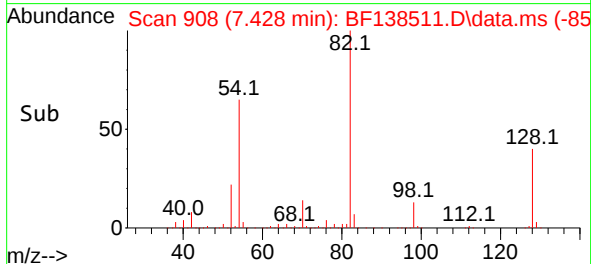
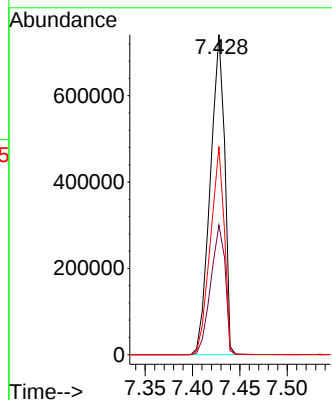
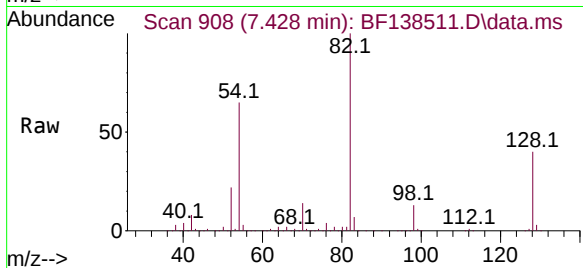
Tgt Ion: 82 Resp: 779869

Ion Ratio Lower Upper

82 100

128 40.5 32.3 48.5

54 65.1 51.4 77.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1328

Delta R.T. -0.006 min

Lab File: BF138511.D

Acq: 10 Jul 2024 20:19

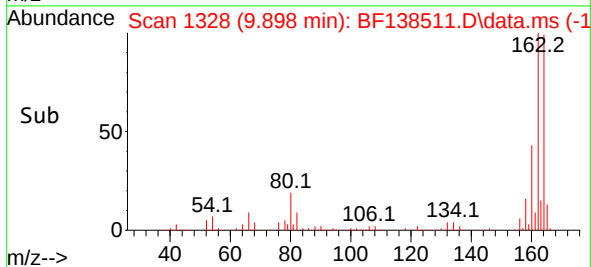
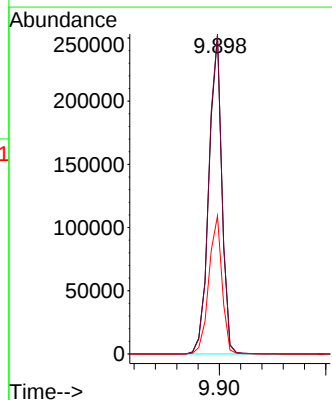
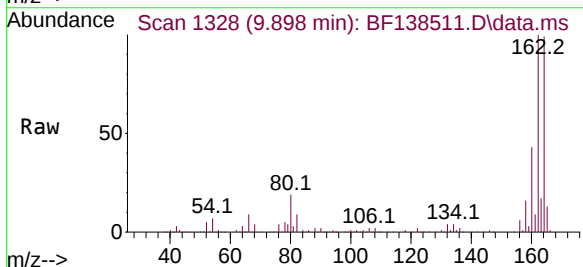
Tgt Ion:164 Resp: 213556

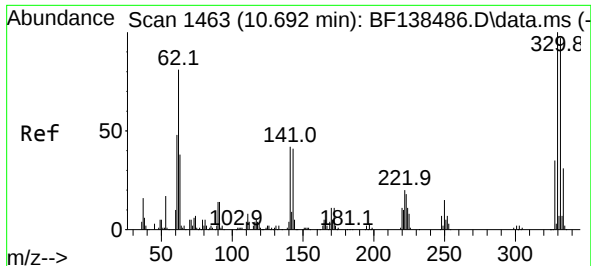
Ion Ratio Lower Upper

164 100

162 100.5 79.0 118.6

160 43.4 34.4 51.6

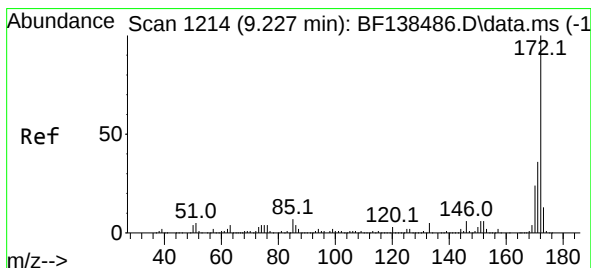
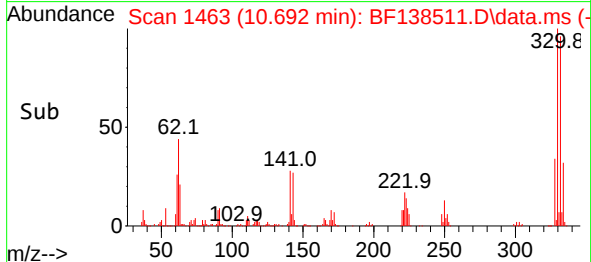
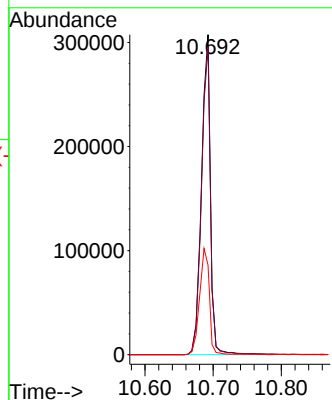
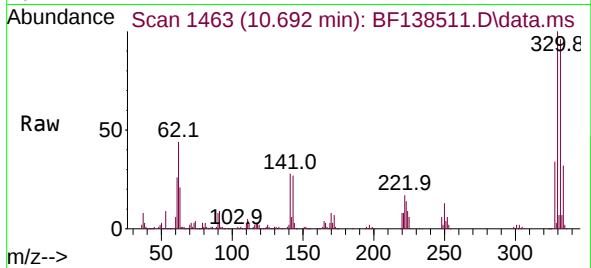




#42  
2,4,6-Tribromophenol  
Concen: 140.975 ng  
RT: 10.692 min Scan# 1463  
Delta R.T. 0.000 min  
Lab File: BF138511.D  
Acq: 10 Jul 2024 20:19

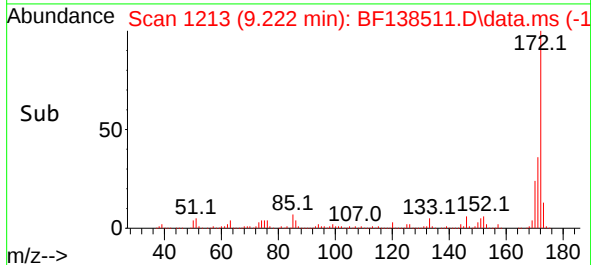
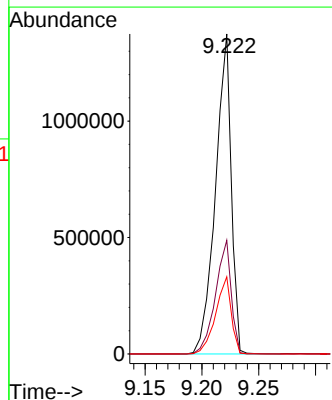
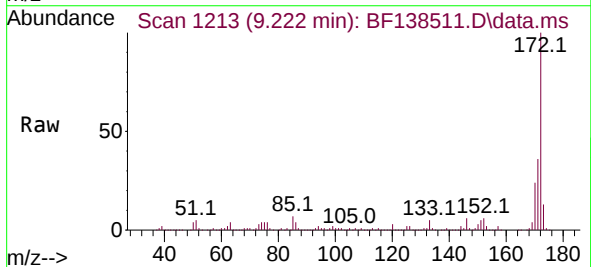
Instrument :  
BNA\_F  
ClientSampleId :  
WC-4

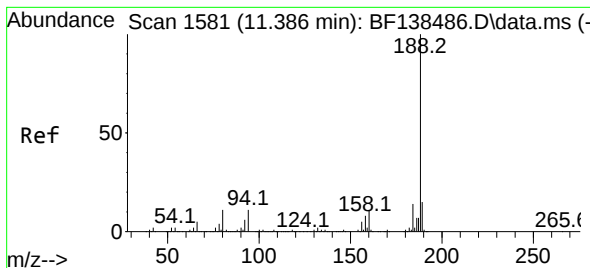
Tgt Ion: 330 Resp: 281372  
Ion Ratio Lower Upper  
330 100  
332 96.4 76.8 115.2  
141 36.0 29.4 44.2



#45  
2-Fluorobiphenyl  
Concen: 97.161 ng  
RT: 9.222 min Scan# 1213  
Delta R.T. -0.006 min  
Lab File: BF138511.D  
Acq: 10 Jul 2024 20:19

Tgt Ion: 172 Resp: 1327610  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.9 43.3  
170 24.1 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.381 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138511.D

Acq: 10 Jul 2024 20:19

Instrument :

BNA\_F

ClientSampleId :

WC-4

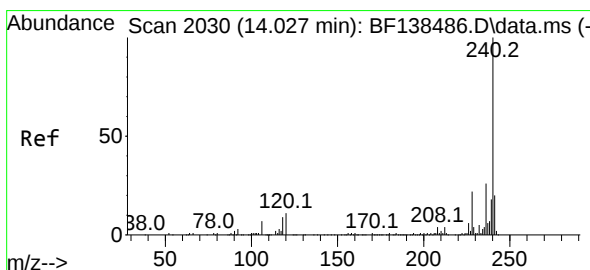
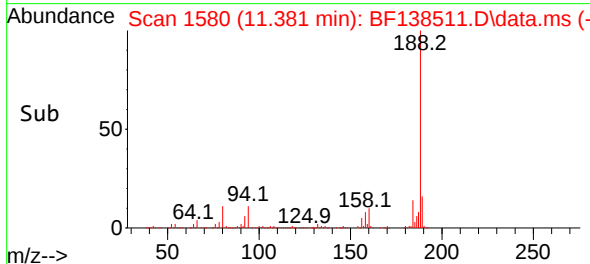
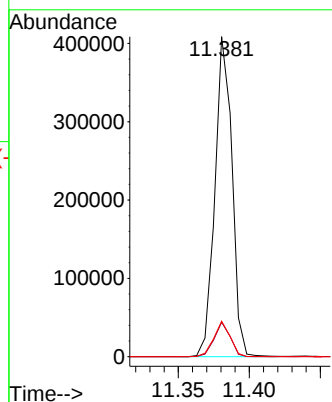
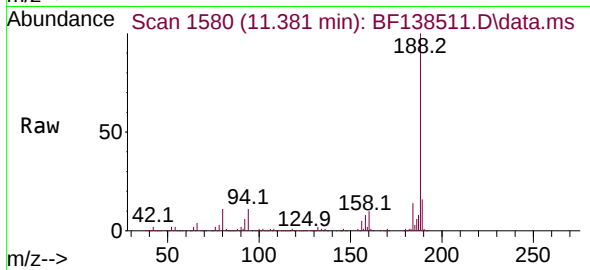
Tgt Ion:188 Resp: 341284

Ion Ratio Lower Upper

188 100

94 10.7 8.7 13.1

80 11.1 9.0 13.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.016 min Scan# 2028

Delta R.T. -0.012 min

Lab File: BF138511.D

Acq: 10 Jul 2024 20:19

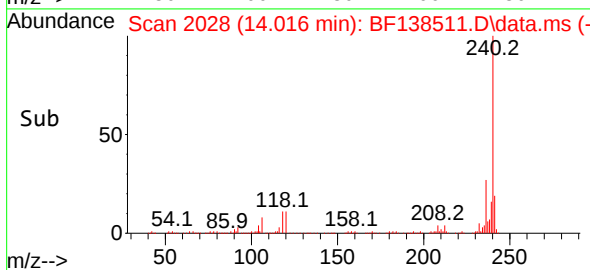
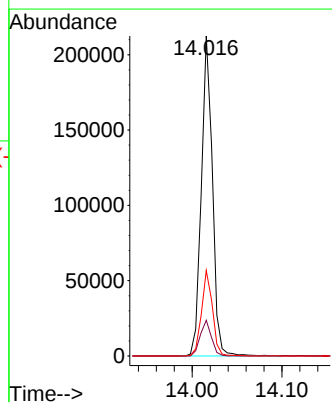
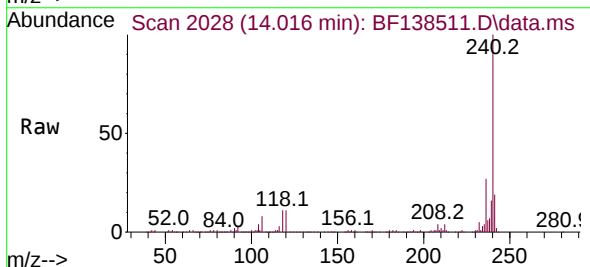
Tgt Ion:240 Resp: 181865

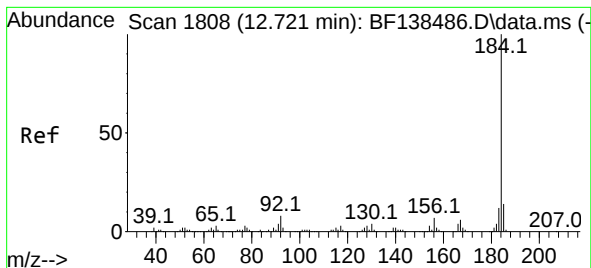
Ion Ratio Lower Upper

240 100

120 11.2 8.6 12.8

236 26.7 21.0 31.6





#77

Benzidine

Concen: 4.748 ng

RT: 12.716 min Scan# 1807

Delta R.T. -0.005 min

Lab File: BF138511.D

Acq: 10 Jul 2024 20:19

Instrument :

BNA\_F

ClientSampleId :

WC-4

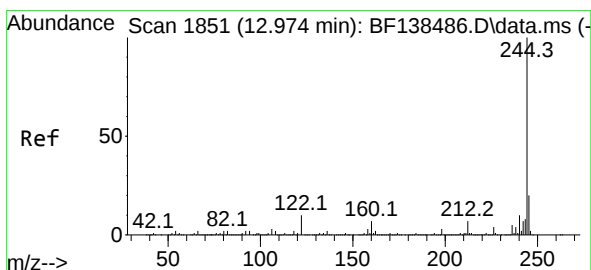
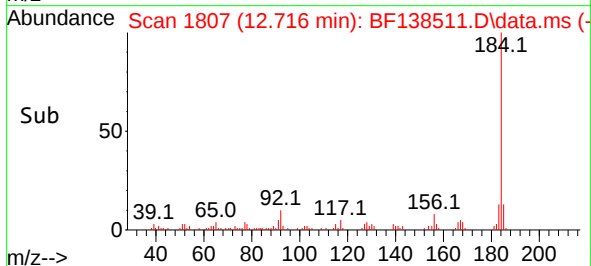
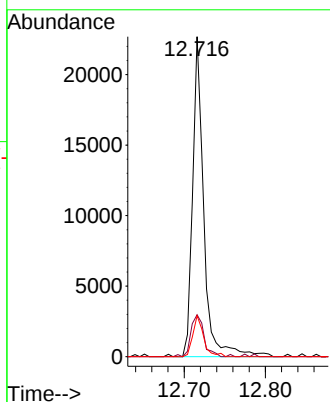
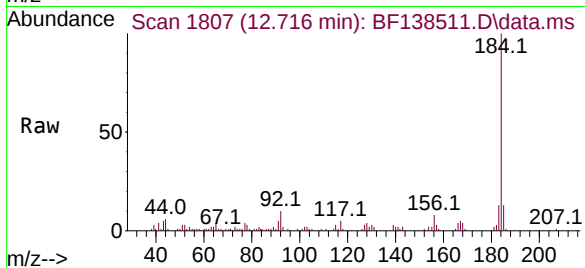
Tgt Ion:184 Resp: 21788

Ion Ratio Lower Upper

184 100

185 13.1 11.3 16.9

183 12.8 9.5 14.3



#79

Terphenyl-d14

Concen: 98.393 ng

RT: 12.969 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF138511.D

Acq: 10 Jul 2024 20:19

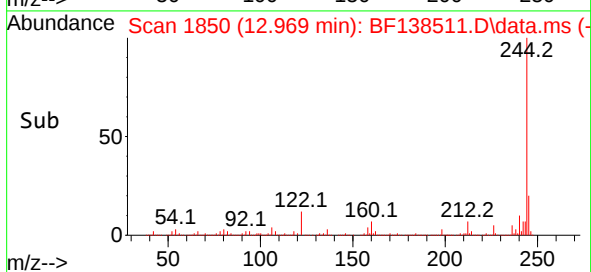
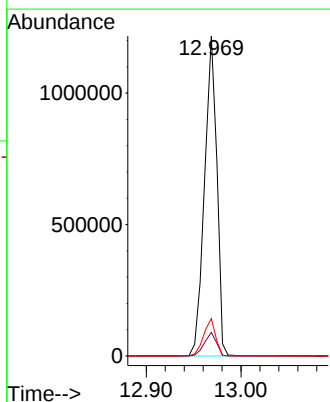
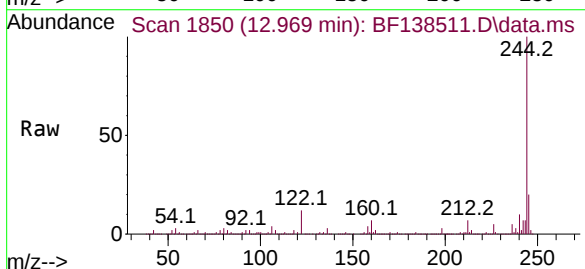
Tgt Ion:244 Resp: 1098405

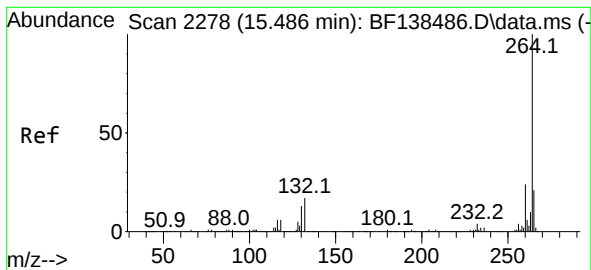
Ion Ratio Lower Upper

244 100

212 7.4 5.5 8.3

122 11.7 7.8 11.8





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.480 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BF138511.D  
 Acq: 10 Jul 2024 20:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-4

Tgt Ion:264 Resp: 169836  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 19.0 28.6  
 265 21.2 17.0 25.4

