

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101924\  
 Data File : BF139888.D  
 Acq On : 19 Oct 2024 23:00  
 Operator : RC/JU  
 Sample : P4426-27 5X  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PAD-14

Quant Time: Oct 21 01:45:33 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

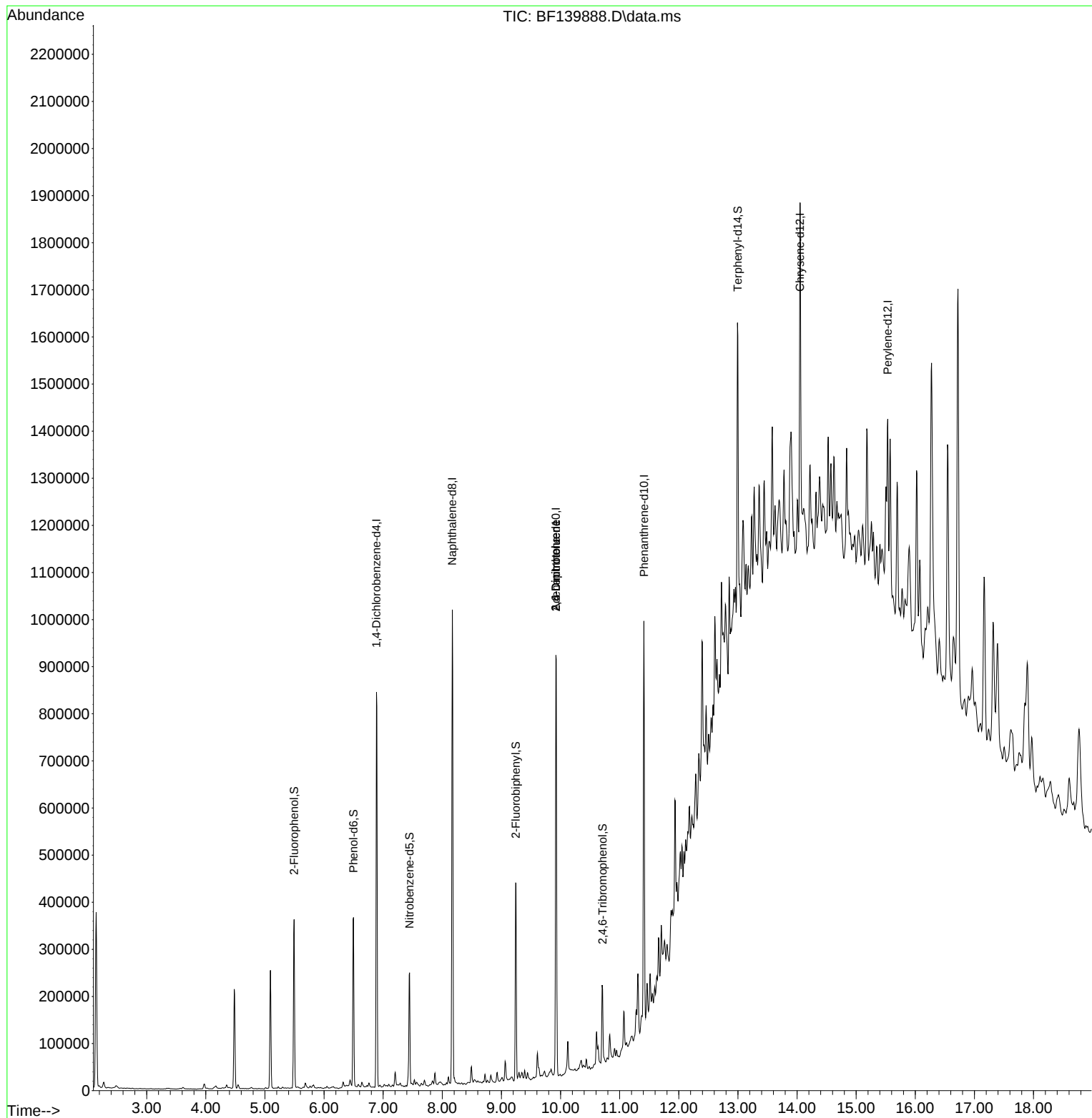
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.887  | 152  | 170784   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.169  | 136  | 588934   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.922  | 164  | 263847   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.410 | 188  | 437146   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.051 | 240  | 297758   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 15.533 | 264  | 222325   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.493  | 112  | 122811   | 11.257 | ng    | 0.00     |
| 7) Phenol-d6                | 6.498  | 99   | 159741   | 11.306 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.445  | 82   | 98950    | 9.312  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.710 | 330  | 24800    | 10.049 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.245  | 172  | 182747   | 11.447 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.998 | 244  | 177557   | 9.717  | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
| 51) 2,6-Dinitrotoluene      | 9.922  | 165  | 34332    | 9.648  | ng    | # 22     |
| 57) 2,4-Dinitrotoluene      | 9.922  | 165  | 34332    | 7.846  | ng    | # 21     |
| -----                       |        |      |          |        |       |          |

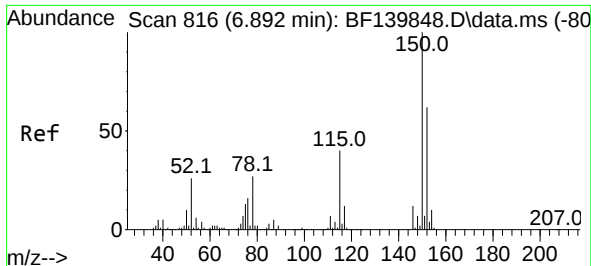
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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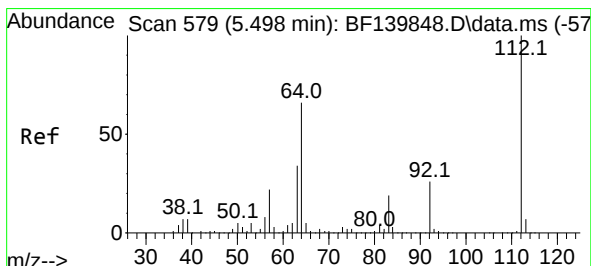
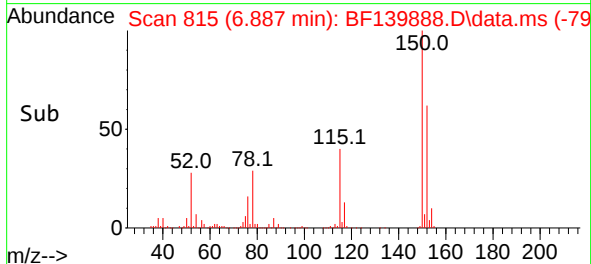
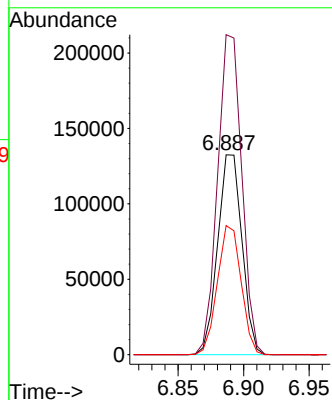
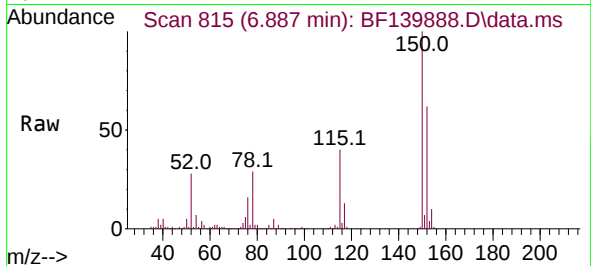




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.887 min Scan# 816  
Delta R.T. -0.005 min  
Lab File: BF139888.D  
Acq: 19 Oct 2024 23:00

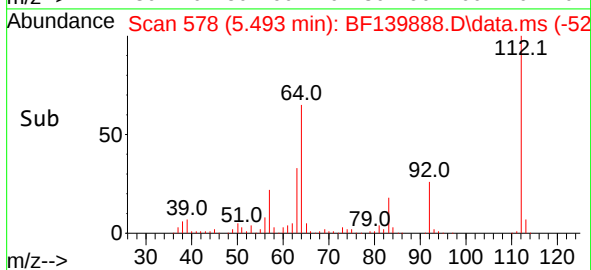
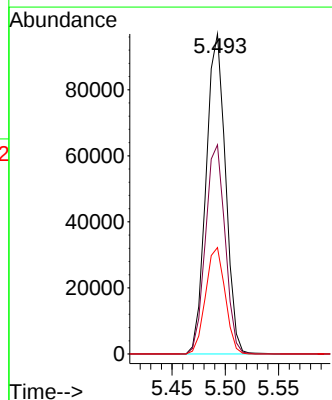
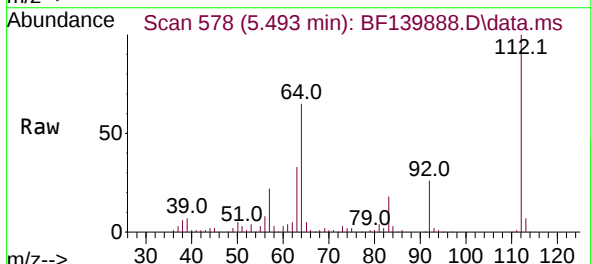
Instrument :  
BNA\_F  
ClientSampleId :  
PAD-14

Tgt Ion:152 Resp: 170784  
Ion Ratio Lower Upper  
152 100  
150 160.1 130.2 195.2  
115 64.6 51.4 77.2



#5  
2-Fluorophenol  
Concen: 11.257 ng  
RT: 5.493 min Scan# 578  
Delta R.T. -0.006 min  
Lab File: BF139888.D  
Acq: 19 Oct 2024 23:00

Tgt Ion:112 Resp: 122811  
Ion Ratio Lower Upper  
112 100  
64 65.4 53.0 79.6  
63 33.2 27.0 40.4

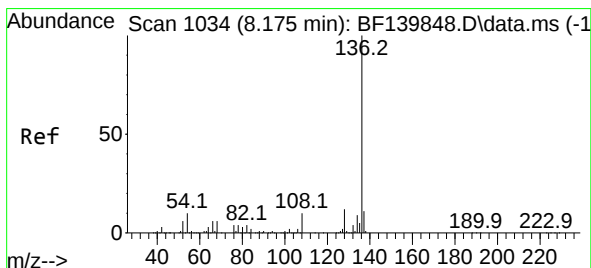
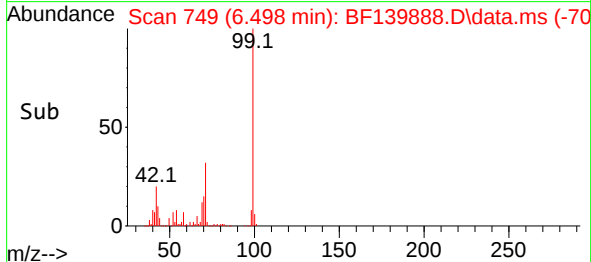
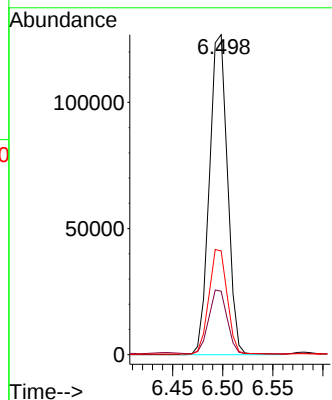
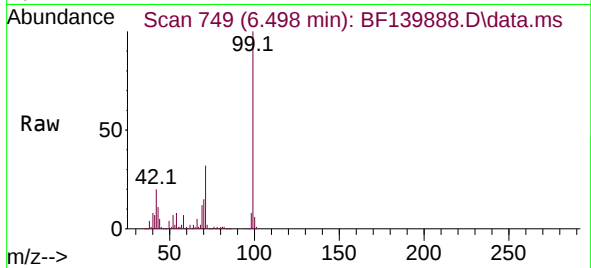




#7  
Phenol-d6  
Concen: 11.306 ng  
RT: 6.498 min Scan# 74  
Delta R.T. -0.012 min  
Lab File: BF139888.D  
Acq: 19 Oct 2024 23:00

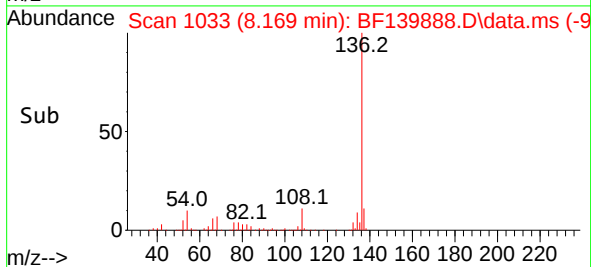
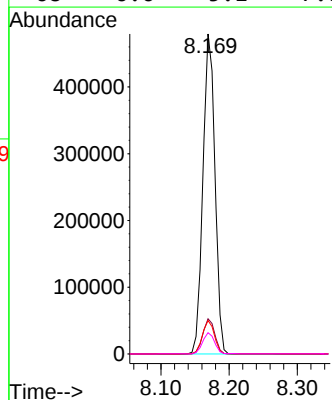
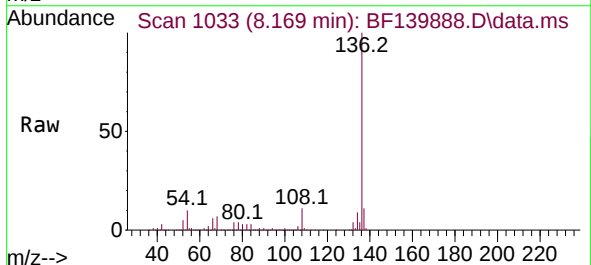
Instrument :  
BNA\_F  
ClientSampleId :  
PAD-14

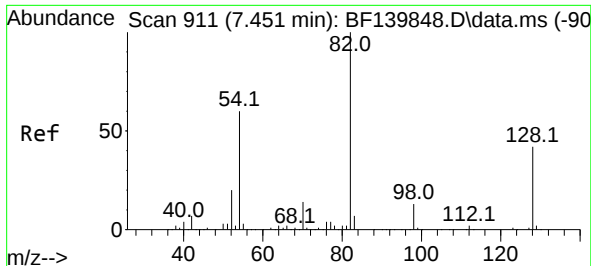
Tgt Ion: 99 Resp: 159741  
Ion Ratio Lower Upper  
99 100  
42 19.8 16.7 25.1  
71 32.5 27.7 41.5



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 1033  
Delta R.T. -0.006 min  
Lab File: BF139888.D  
Acq: 19 Oct 2024 23:00

Tgt Ion: 136 Resp: 588934  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.6 12.8  
54 10.5 8.4 12.6  
68 6.6 5.1 7.7





#23

Nitrobenzene-d5

Concen: 9.312 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF139888.D

Acq: 19 Oct 2024 23:00

Instrument :

BNA\_F

ClientSampleId :

PAD-14

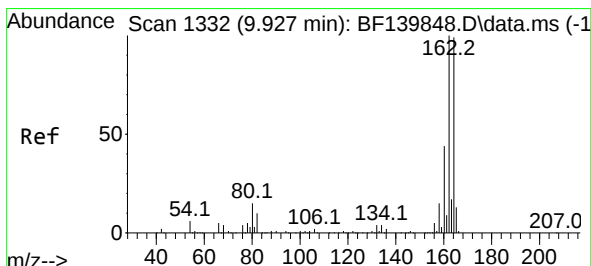
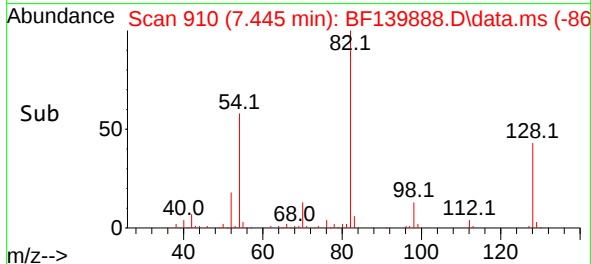
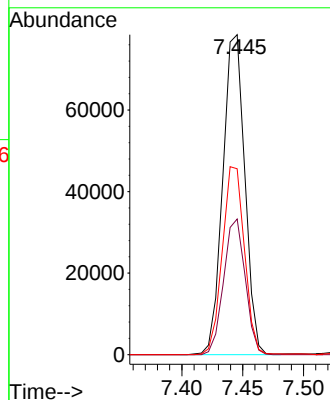
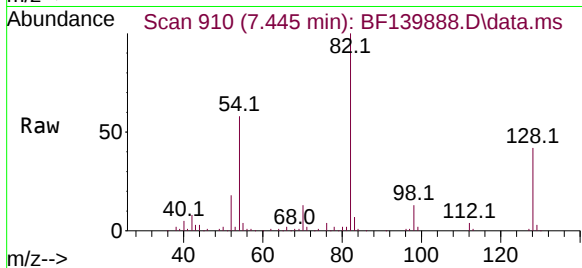
Tgt Ion: 82 Resp: 98950

Ion Ratio Lower Upper

82 100

128 42.4 33.4 50.0

54 58.1 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: BF139888.D

Acq: 19 Oct 2024 23:00

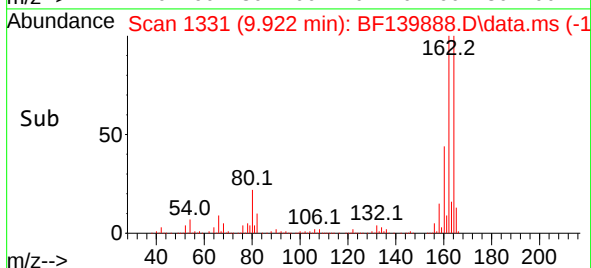
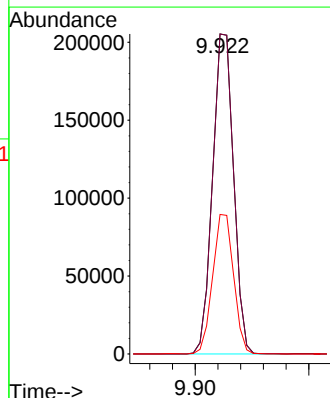
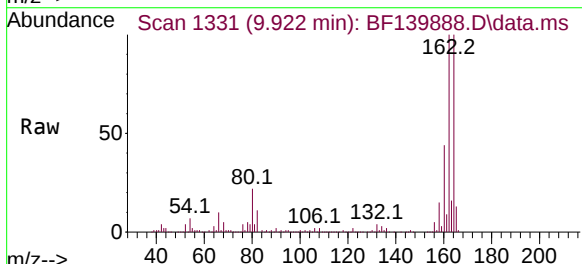
Tgt Ion: 164 Resp: 263847

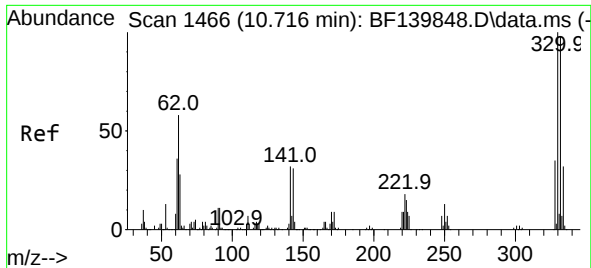
Ion Ratio Lower Upper

164 100

162 100.0 81.0 121.4

160 43.6 35.4 53.0

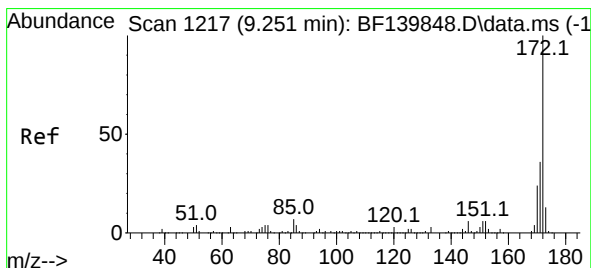
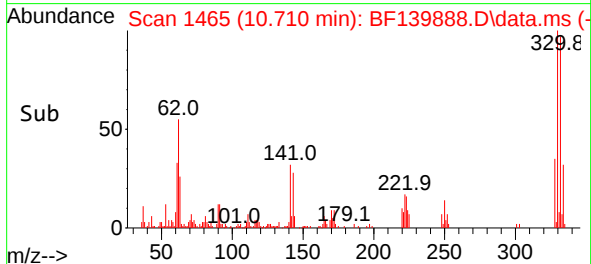
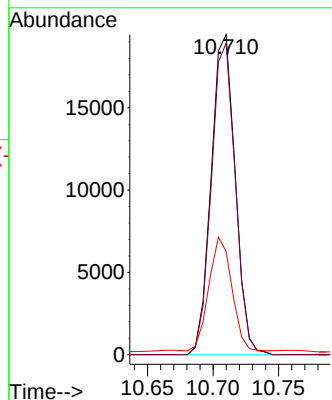
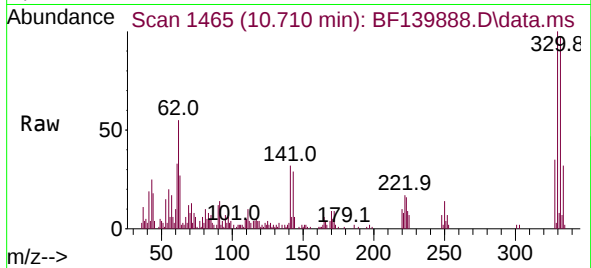




#42  
2,4,6-Tribromophenol  
Concen: 10.049 ng  
RT: 10.710 min Scan# 1466  
Delta R.T. -0.006 min  
Lab File: BF139888.D  
Acq: 19 Oct 2024 23:00

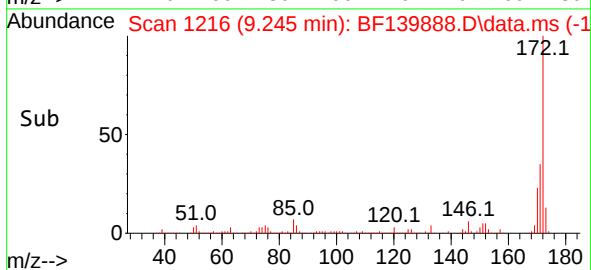
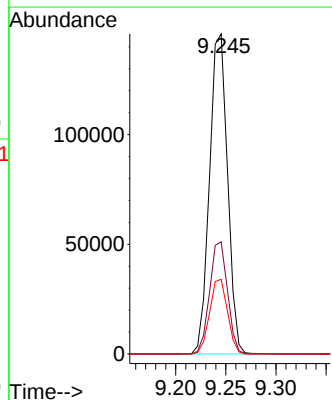
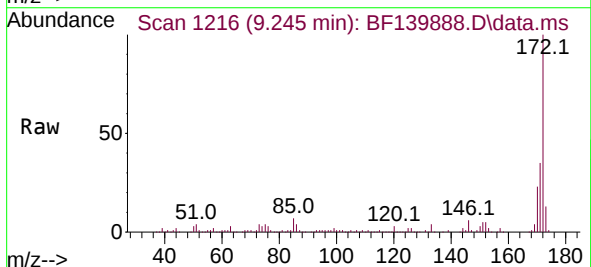
Instrument :  
BNA\_F  
ClientSampleId :  
PAD-14

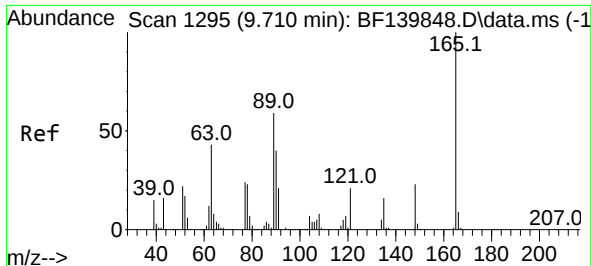
Tgt Ion:330 Resp: 24800  
Ion Ratio Lower Upper  
330 100  
332 96.7 78.1 117.1  
141 35.8 26.6 39.8



#45  
2-Fluorobiphenyl  
Concen: 11.447 ng  
RT: 9.245 min Scan# 1216  
Delta R.T. -0.006 min  
Lab File: BF139888.D  
Acq: 19 Oct 2024 23:00

Tgt Ion:172 Resp: 182747  
Ion Ratio Lower Upper  
172 100  
171 35.1 28.6 43.0  
170 23.4 19.1 28.7

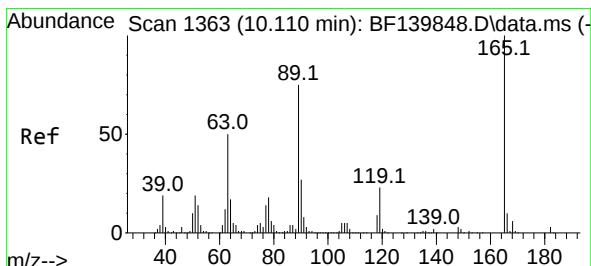
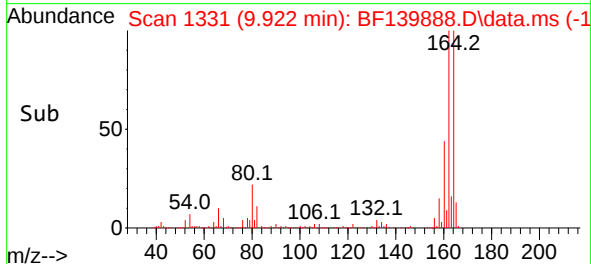
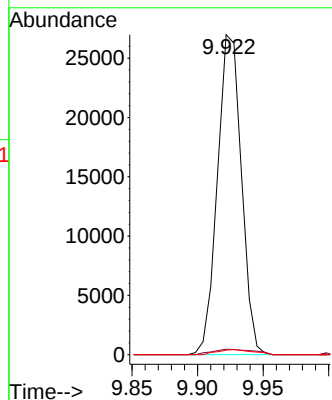
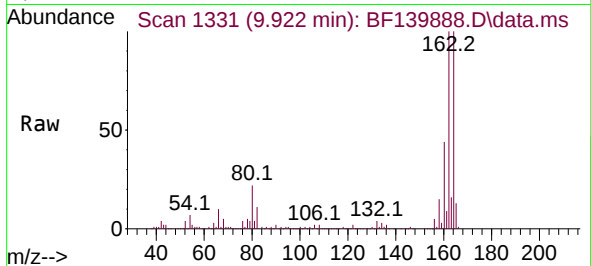




#51  
2,6-Dinitrotoluene  
Concen: 9.648 ng  
RT: 9.922 min Scan# 11  
Delta R.T. 0.212 min  
Lab File: BF139888.D  
Acq: 19 Oct 2024 23:00

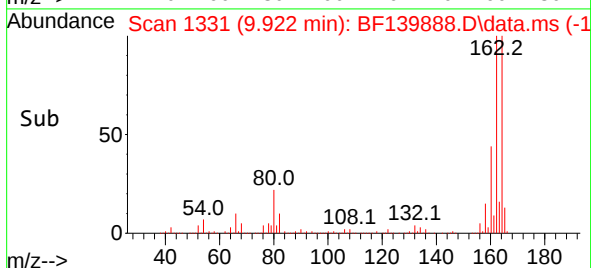
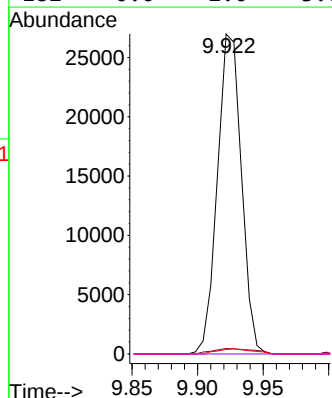
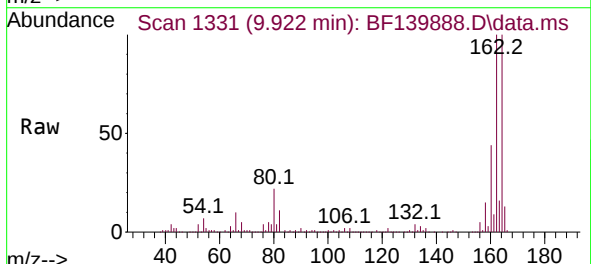
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BNA\_F  
ClientSampleId :  
PAD-14

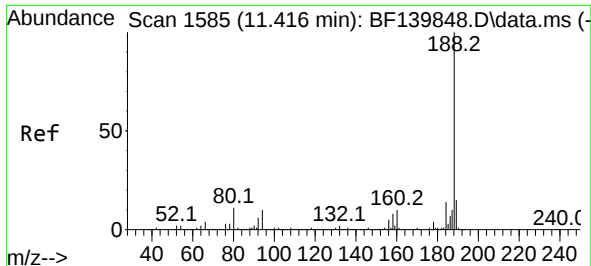
Tgt Ion:165 Resp: 34332  
Ion Ratio Lower Upper  
165 100  
63 1.7 50.6 75.8#  
89 1.4 47.5 71.3#



#57  
2,4-Dinitrotoluene  
Concen: 7.846 ng  
RT: 9.922 min Scan# 1331  
Delta R.T. -0.188 min  
Lab File: BF139888.D  
Acq: 19 Oct 2024 23:00

Tgt Ion:165 Resp: 34332  
Ion Ratio Lower Upper  
165 100  
63 1.7 40.1 60.1#  
89 1.4 60.4 90.6#  
182 0.0 2.0 3.0#

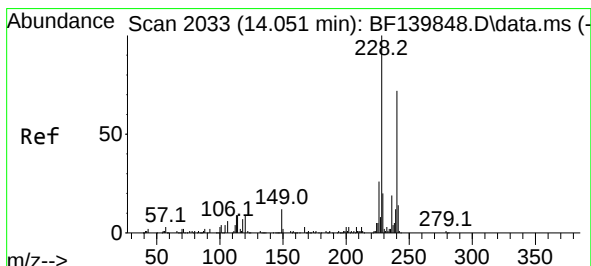
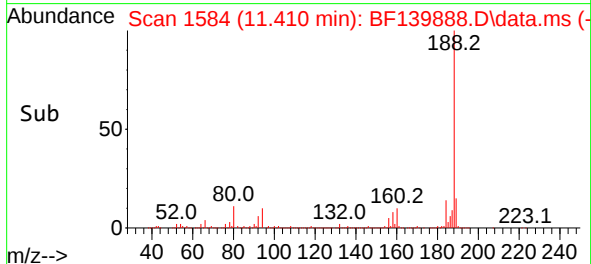
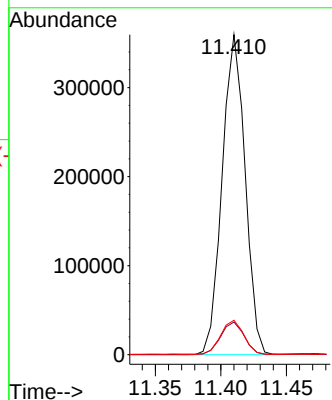
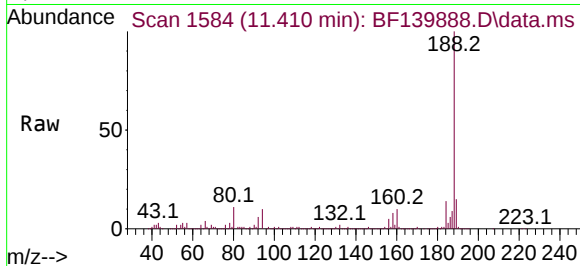




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF139888.D  
Acq: 19 Oct 2024 23:00

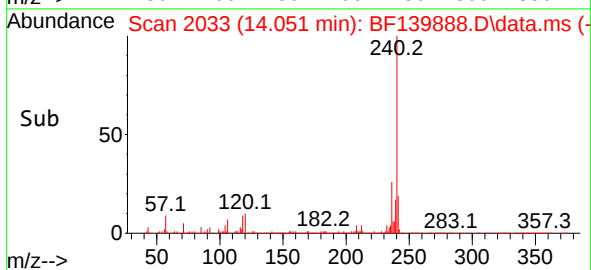
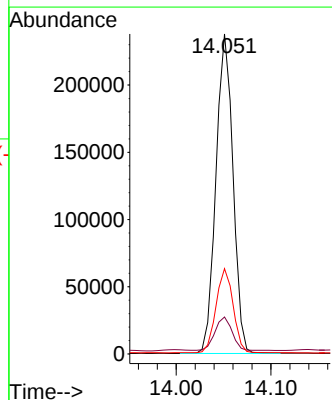
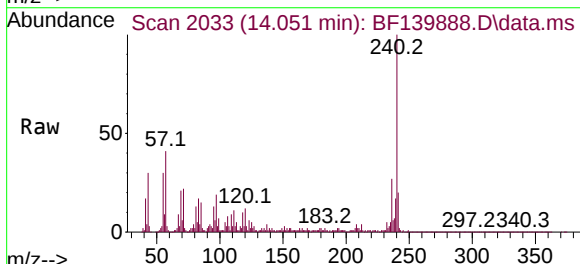
Instrument :  
BNA\_F  
ClientSampleId :  
PAD-14

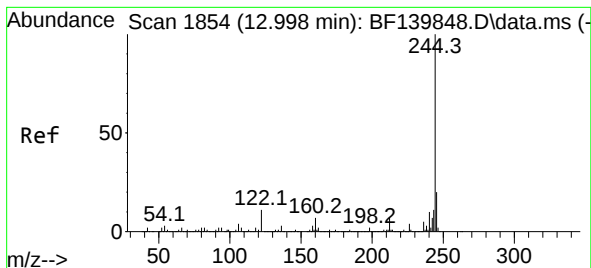
Tgt Ion:188 Resp: 437146  
Ion Ratio Lower Upper  
188 100  
94 10.2 7.9 11.9  
80 10.8 9.0 13.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2033  
Delta R.T. 0.000 min  
Lab File: BF139888.D  
Acq: 19 Oct 2024 23:00

Tgt Ion:240 Resp: 297758  
Ion Ratio Lower Upper  
240 100  
120 11.5 9.4 14.2  
236 26.6 20.9 31.3





#79

Terphenyl-d14

Concen: 9.717 ng

RT: 12.998 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139888.D

Acq: 19 Oct 2024 23:00

Instrument :

BNA\_F

ClientSampleId :

PAD-14

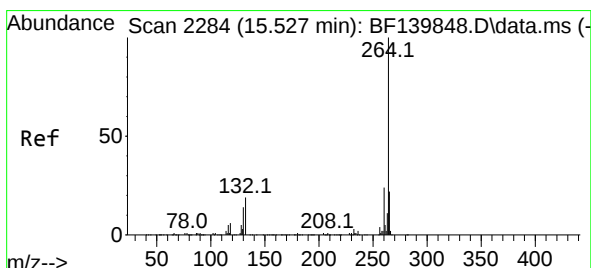
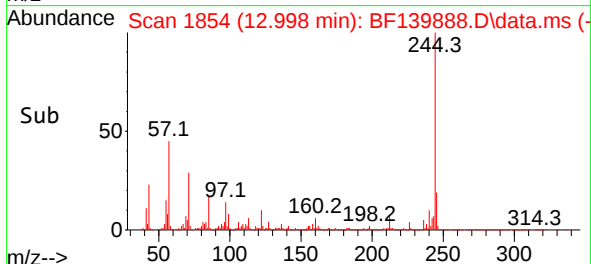
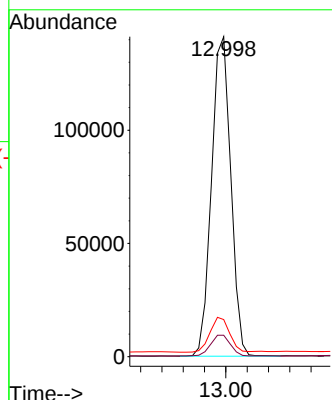
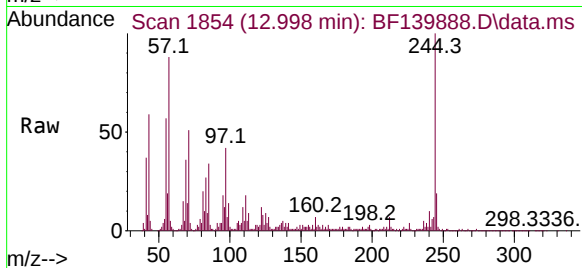
Tgt Ion:244 Resp: 177557

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

122 11.6 8.6 13.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2285

Delta R.T. 0.006 min

Lab File: BF139888.D

Acq: 19 Oct 2024 23:00

Tgt Ion:264 Resp: 222325

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.2

265 22.2 17.4 26.0

