

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101924\  
 Data File : BF139890.D  
 Acq On : 19 Oct 2024 23:57  
 Operator : RC/JU  
 Sample : P4426-09 5X  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PAD-5

Quant Time: Oct 21 01:45:57 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   | 6.892  | 152  | 170997   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.169  | 136  | 573389   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.928  | 164  | 255342   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.410 | 188  | 452819   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.051 | 240  | 288225   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 15.527 | 264  | 224163   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.493  | 112  | 58926    | 5.395  | ng    | 0.00     |
| 7) Phenol-d6                | 6.498  | 99   | 96152    | 6.797  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.445  | 82   | 76881    | 7.431  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.710 | 330  | 11088    | 4.642  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.245  | 172  | 146897   | 9.508  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.998 | 244  | 160831   | 9.093  | ng    | 0.00     |

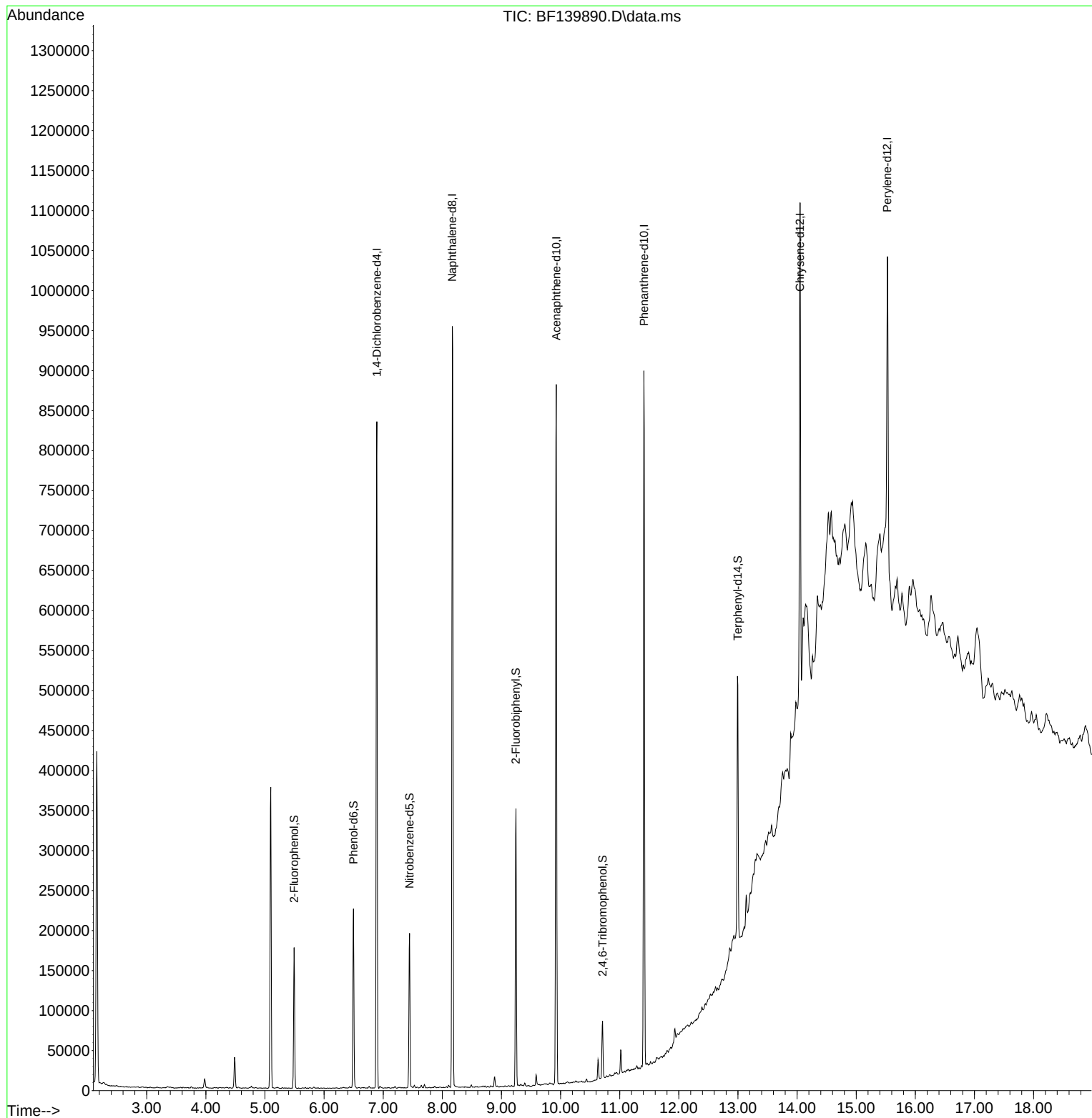
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

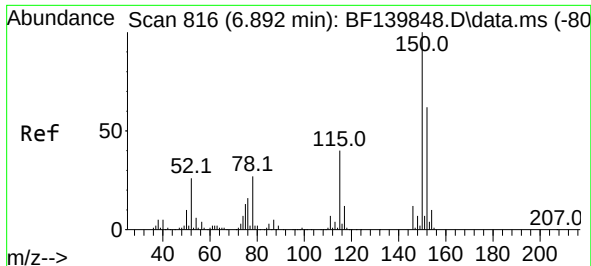
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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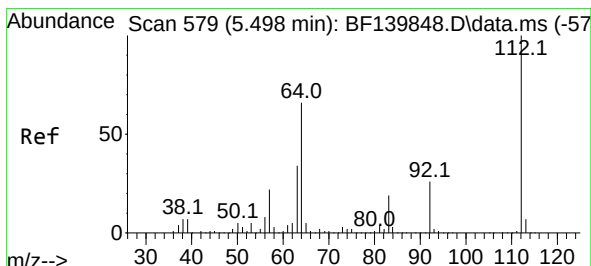
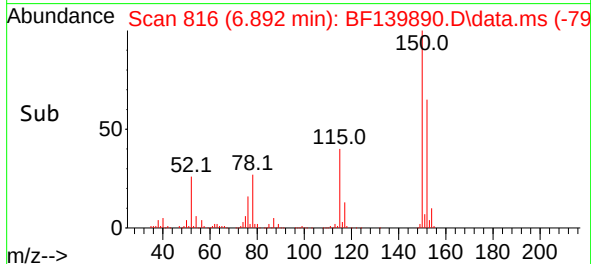
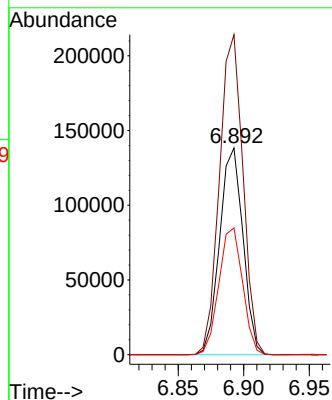
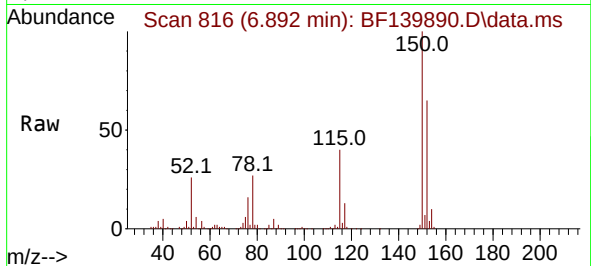




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.892 min Scan# 816  
Delta R.T. 0.000 min  
Lab File: BF139890.D  
Acq: 19 Oct 2024 23:57

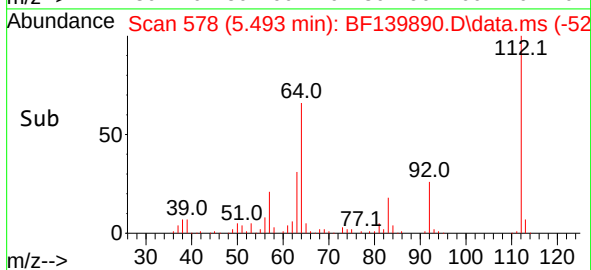
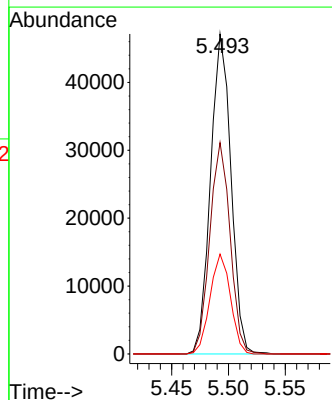
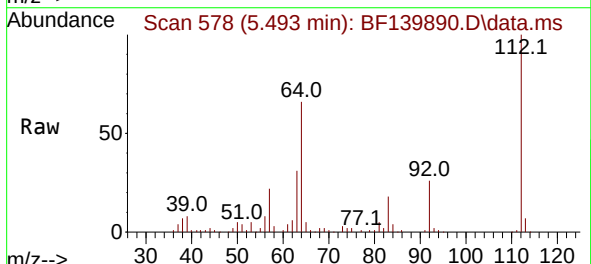
Instrument :  
BNA\_F  
ClientSampleId :  
PAD-5

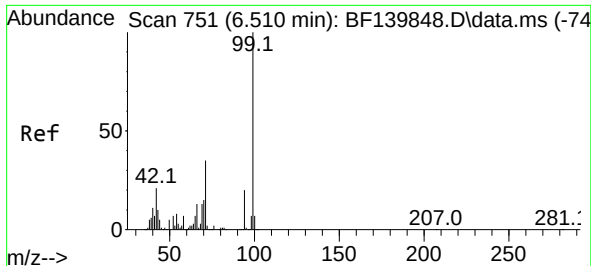
Tgt Ion:152 Resp: 170997  
Ion Ratio Lower Upper  
152 100  
150 154.8 130.2 195.2  
115 61.3 51.4 77.2



#5  
2-Fluorophenol  
Concen: 5.395 ng  
RT: 5.493 min Scan# 578  
Delta R.T. -0.006 min  
Lab File: BF139890.D  
Acq: 19 Oct 2024 23:57

Tgt Ion:112 Resp: 58926  
Ion Ratio Lower Upper  
112 100  
64 66.1 53.0 79.6  
63 31.2 27.0 40.4





#7

Phenol-d6

Concen: 6.797 ng

RT: 6.498 min Scan# 74

Delta R.T. -0.012 min

Lab File: BF139890.D

Acq: 19 Oct 2024 23:57

Instrument :

BNA\_F

ClientSampleId :

PAD-5

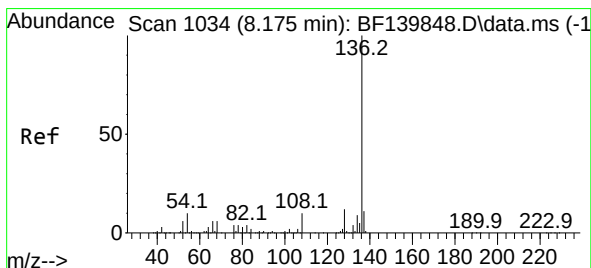
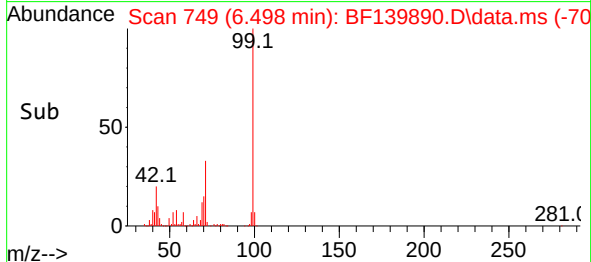
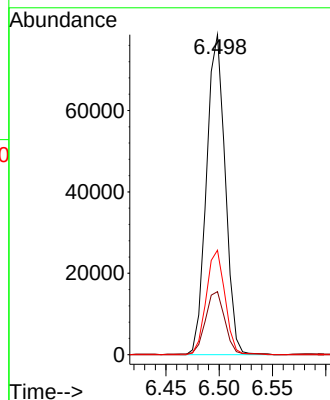
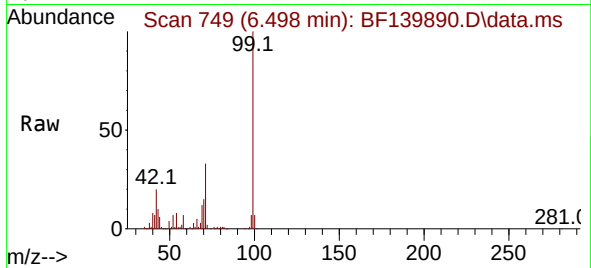
Tgt Ion: 99 Resp: 96152

Ion Ratio Lower Upper

99 100

42 19.7 16.7 25.1

71 32.7 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: BF139890.D

Acq: 19 Oct 2024 23:57

Tgt Ion:136 Resp: 573389

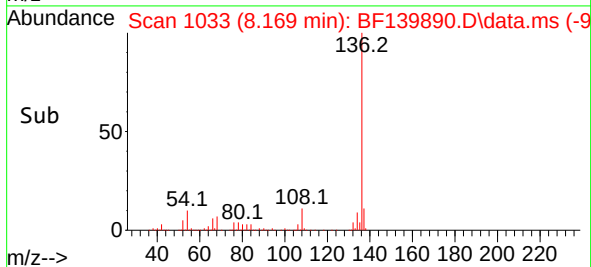
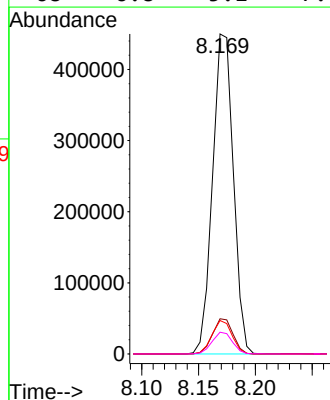
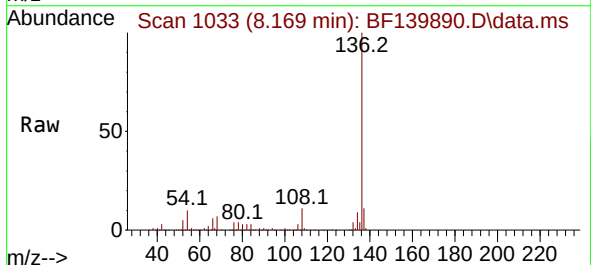
Ion Ratio Lower Upper

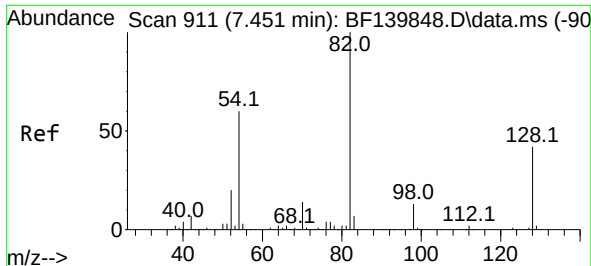
136 100

137 11.0 8.6 12.8

54 10.5 8.4 12.6

68 6.8 5.1 7.7





#23

Nitrobenzene-d5

Concen: 7.431 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF139890.D

Acq: 19 Oct 2024 23:57

Instrument :

BNA\_F

ClientSampleId :

PAD-5

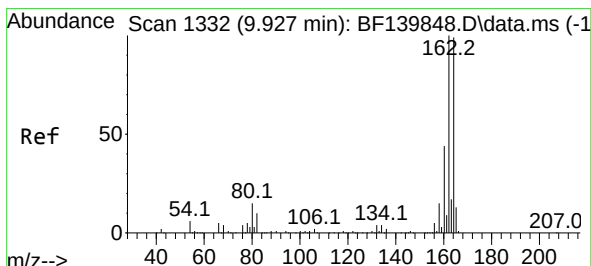
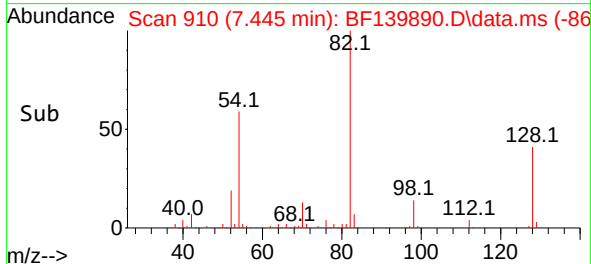
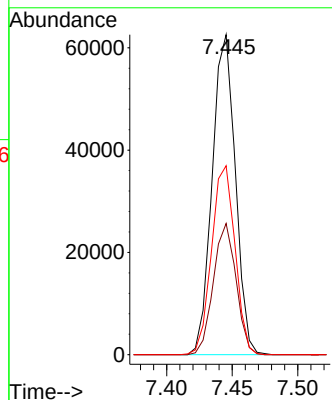
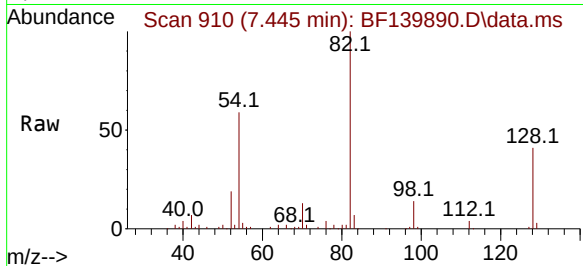
Tgt Ion: 82 Resp: 76881

Ion Ratio Lower Upper

82 100

128 41.0 33.4 50.0

54 59.1 47.8 71.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1332

Delta R.T. 0.001 min

Lab File: BF139890.D

Acq: 19 Oct 2024 23:57

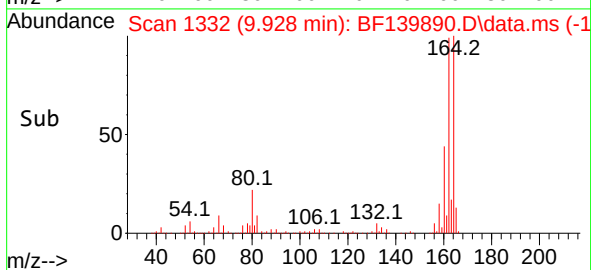
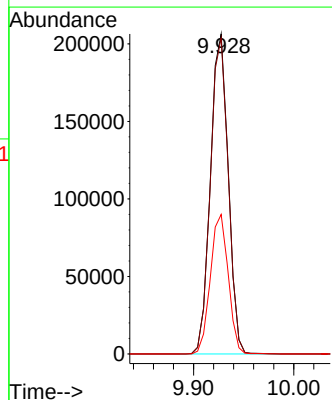
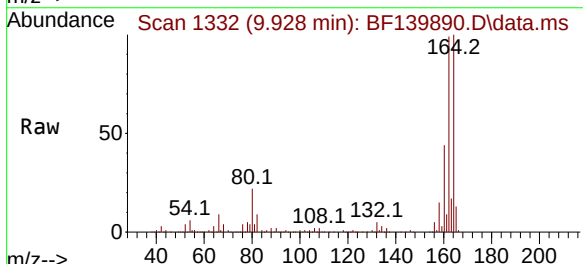
Tgt Ion:164 Resp: 255342

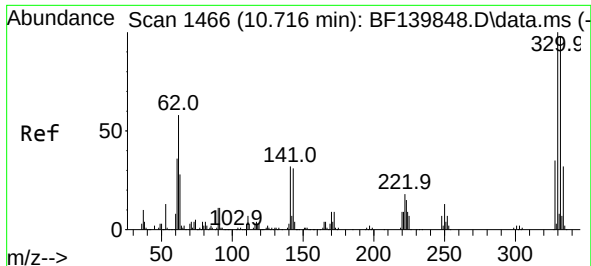
Ion Ratio Lower Upper

164 100

162 98.7 81.0 121.4

160 43.6 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 4.642 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF139890.D

Acq: 19 Oct 2024 23:57

Instrument :

BNA\_F

ClientSampleId :

PAD-5

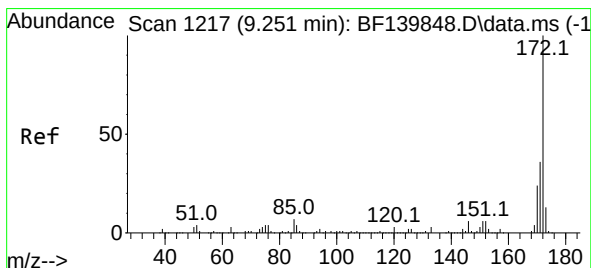
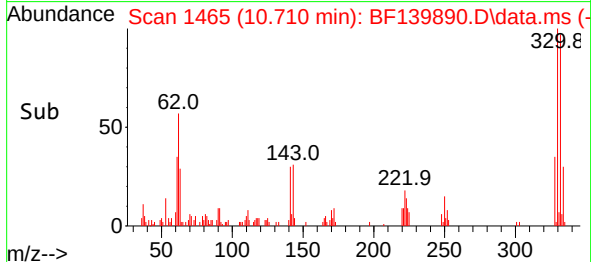
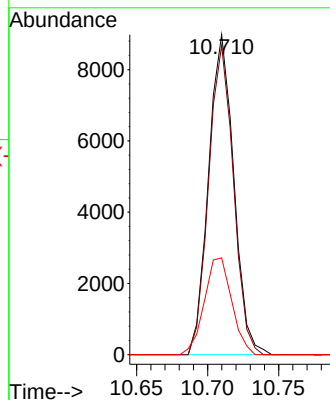
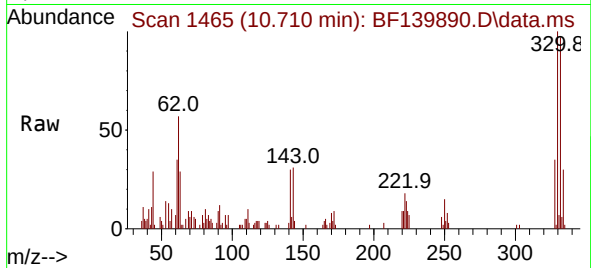
Tgt Ion:330 Resp: 11088

Ion Ratio Lower Upper

330 100

332 94.7 78.1 117.1

141 32.9 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 9.508 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139890.D

Acq: 19 Oct 2024 23:57

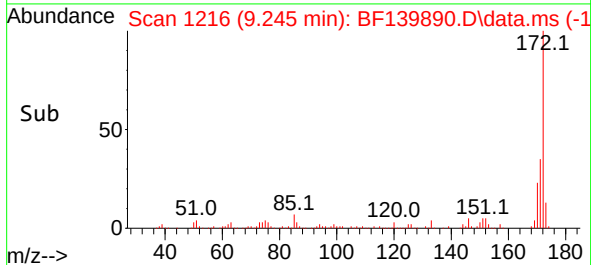
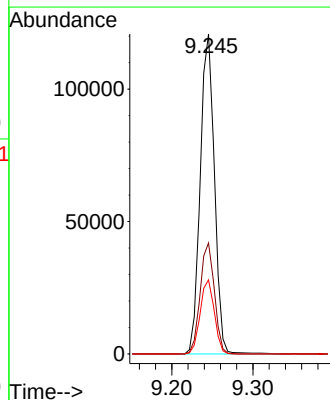
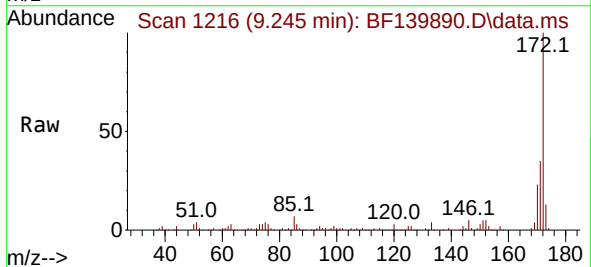
Tgt Ion:172 Resp: 146897

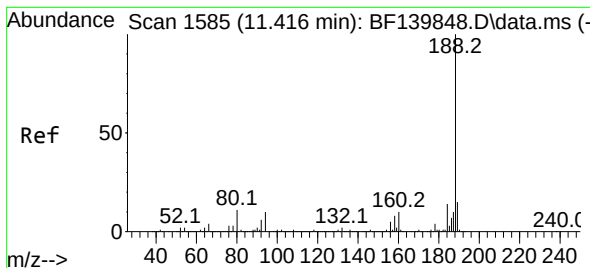
Ion Ratio Lower Upper

172 100

171 34.7 28.6 43.0

170 23.2 19.1 28.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139890.D

Acq: 19 Oct 2024 23:57

Instrument :

BNA\_F

ClientSampleId :

PAD-5

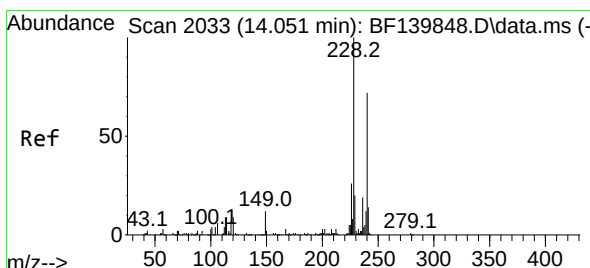
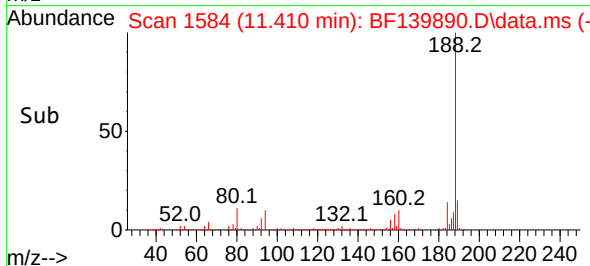
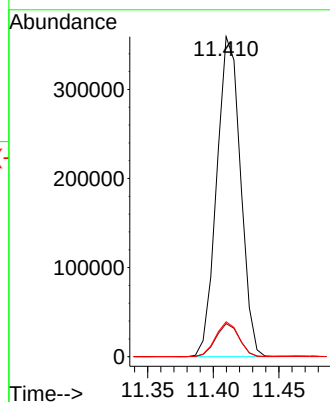
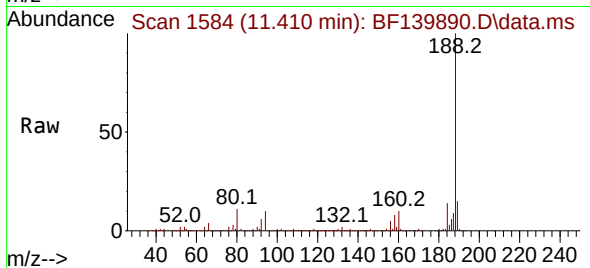
Tgt Ion:188 Resp: 452819

Ion Ratio Lower Upper

188 100

94 10.3 7.9 11.9

80 10.9 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: BF139890.D

Acq: 19 Oct 2024 23:57

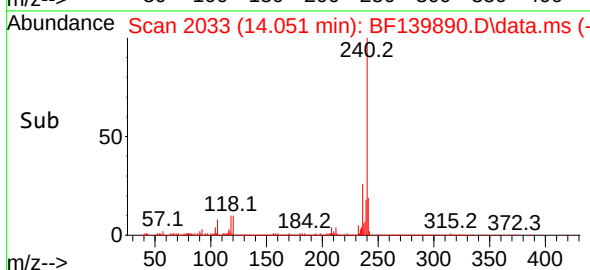
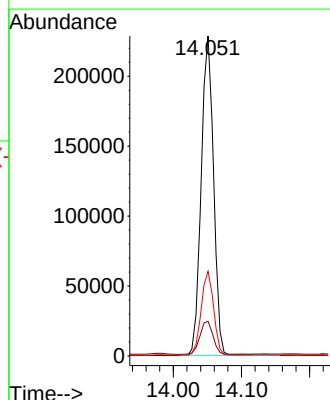
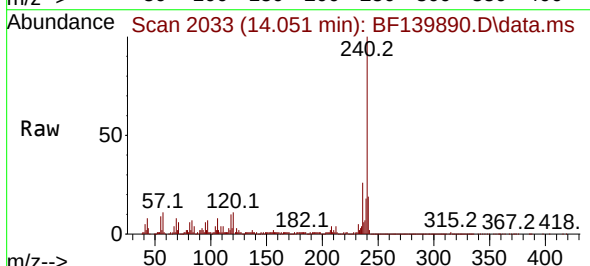
Tgt Ion:240 Resp: 288225

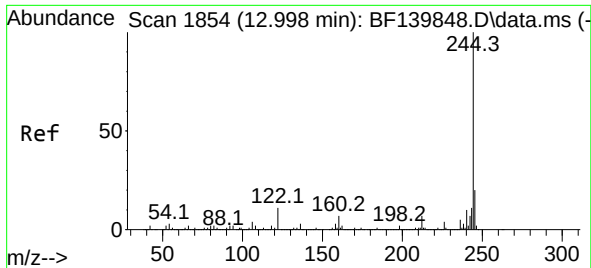
Ion Ratio Lower Upper

240 100

120 10.9 9.4 14.2

236 26.5 20.9 31.3

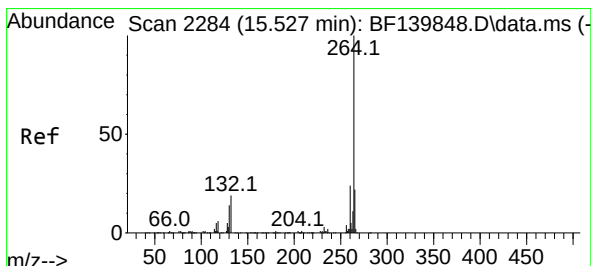
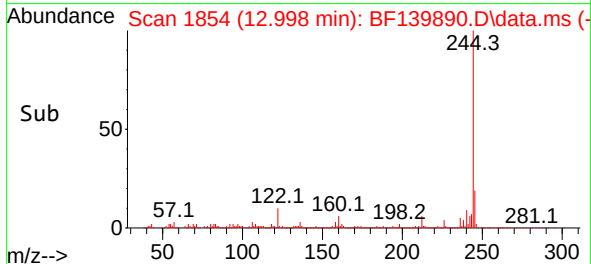
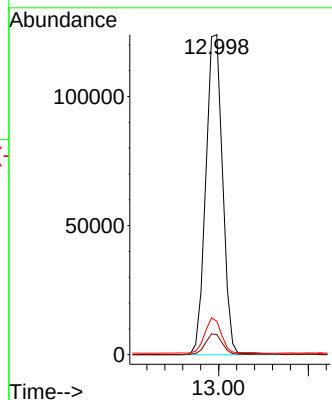
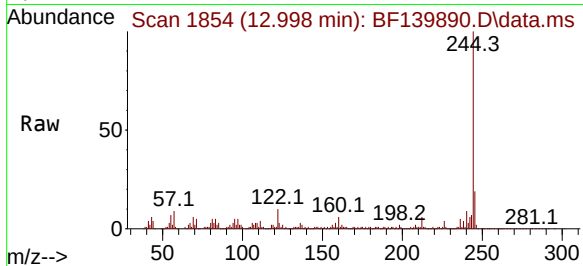




#79  
 Terphenyl-d14  
 Concen: 9.093 ng  
 RT: 12.998 min Scan# 1854  
 Delta R.T. 0.000 min  
 Lab File: BF139890.D  
 Acq: 19 Oct 2024 23:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PAD-5

Tgt Ion:244 Resp: 160831  
 Ion Ratio Lower Upper  
 244 100  
 212 6.3 5.7 8.5  
 122 10.4 8.6 13.0



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.527 min Scan# 2284  
 Delta R.T. 0.000 min  
 Lab File: BF139890.D  
 Acq: 19 Oct 2024 23:57

Tgt Ion:264 Resp: 224163  
 Ion Ratio Lower Upper  
 264 100  
 260 24.7 19.4 29.2  
 265 22.1 17.4 26.0

