

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030725\  
 Data File : BF141883.D  
 Acq On : 07 Mar 2025 09:26  
 Operator : RC/JU  
 Sample : PB167016BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB167016BL

Quant Time: Mar 07 10:00:35 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.881  | 152  | 178277   | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.163  | 136  | 706438   | 20.000  | ng    | #-0.01   |
| 39) Acenaphthene-d10        | 9.916  | 164  | 393220   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.404 | 188  | 712186   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12            | 14.039 | 240  | 610478   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12            | 15.510 | 264  | 476523   | 20.000  | ng    | -0.01    |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.510  | 112  | 1443849  | 129.339 | ng    | 0.01     |
| 7) Phenol-d6                | 6.504  | 99   | 1765527  | 121.509 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.445  | 82   | 1186795  | 107.384 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.704 | 330  | 671746   | 181.965 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.239  | 172  | 2307655  | 94.100  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.992 | 244  | 3176733  | 84.191  | ng    | 0.00     |

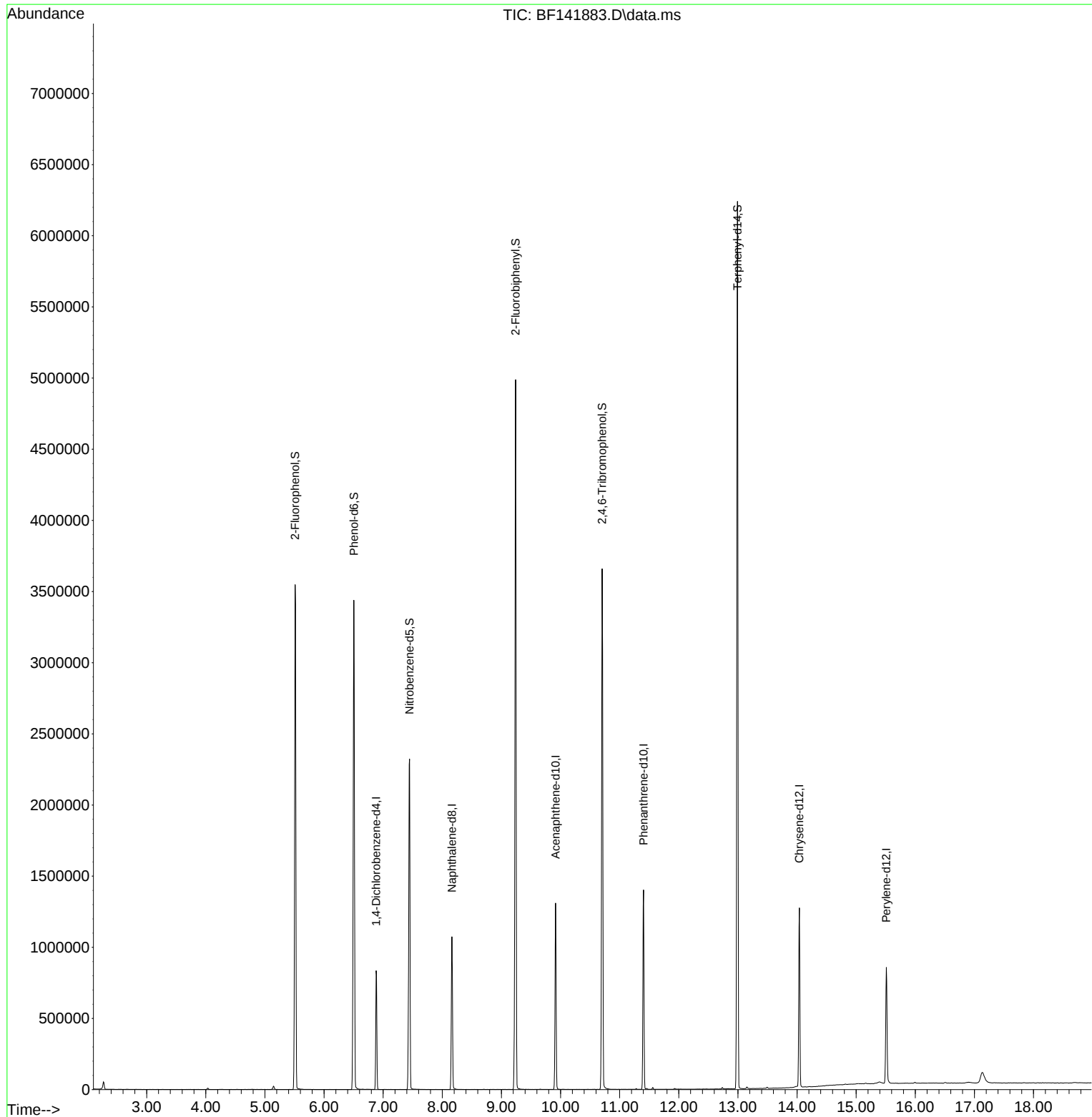
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

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

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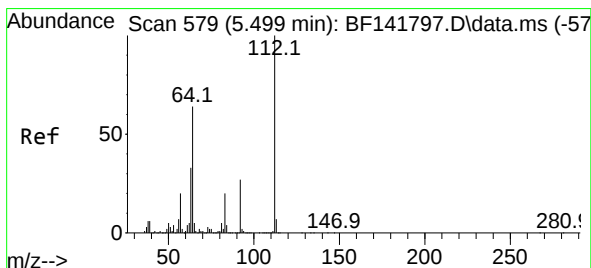
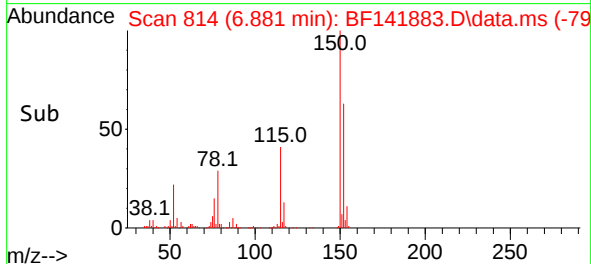
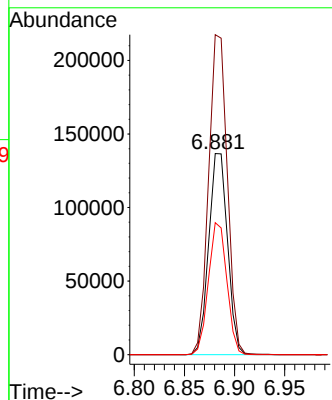
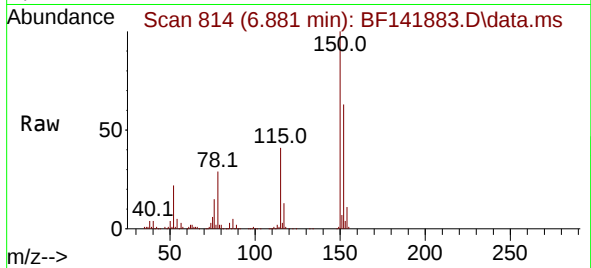




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.881 min Scan# 816  
 Delta R.T. -0.012 min  
 Lab File: BF141883.D  
 Acq: 07 Mar 2025 09:26

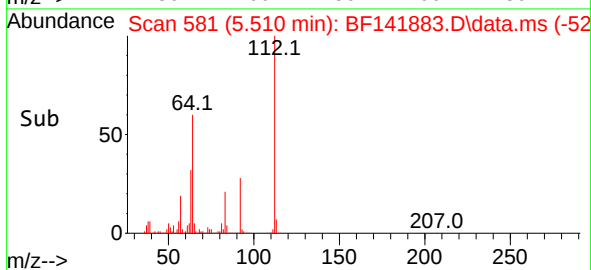
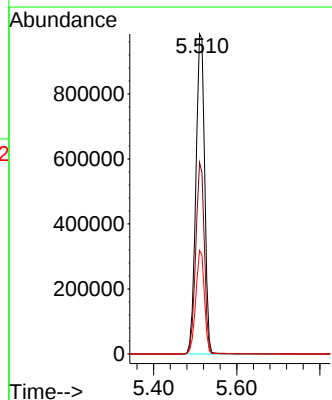
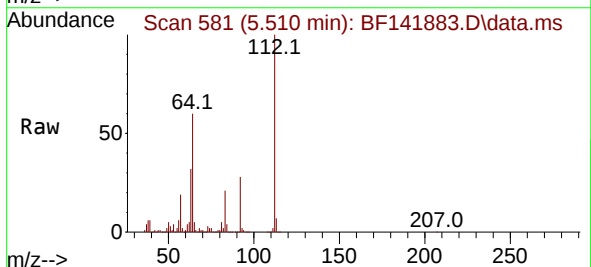
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB167016BL

Tgt Ion:152 Resp: 178277  
 Ion Ratio Lower Upper  
 152 100  
 150 159.1 127.5 191.3  
 115 65.6 51.4 77.2



#5  
 2-Fluorophenol  
 Concen: 129.339 ng  
 RT: 5.510 min Scan# 581  
 Delta R.T. 0.012 min  
 Lab File: BF141883.D  
 Acq: 07 Mar 2025 09:26

Tgt Ion:112 Resp: 1443849  
 Ion Ratio Lower Upper  
 112 100  
 64 59.9 51.3 76.9  
 63 32.4 26.2 39.4

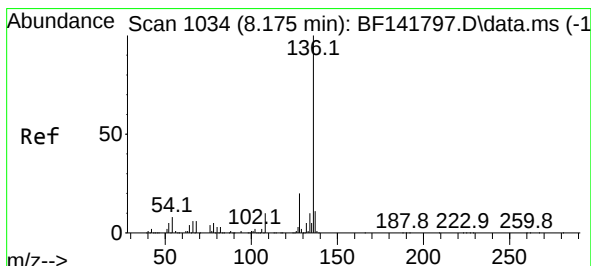
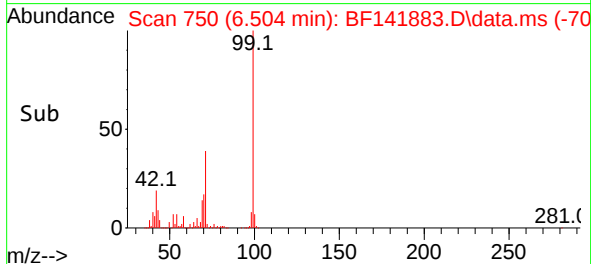
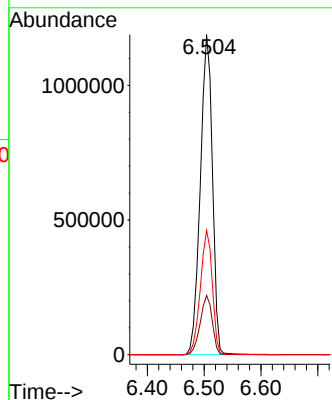
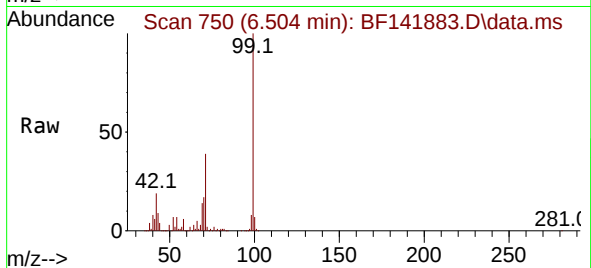




#7  
Phenol-d6  
Concen: 121.509 ng  
RT: 6.504 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF141883.D  
Acq: 07 Mar 2025 09:26

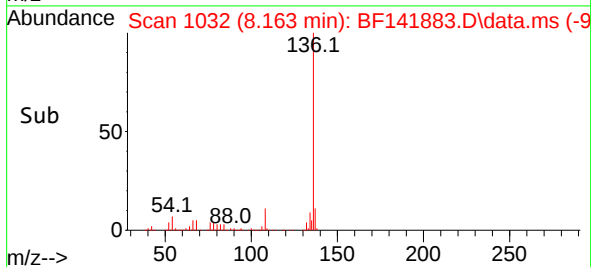
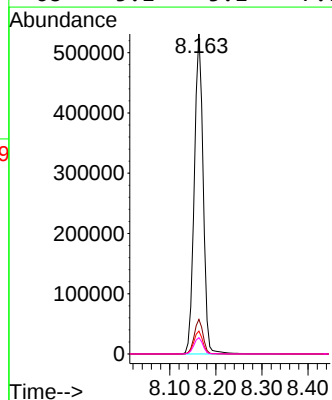
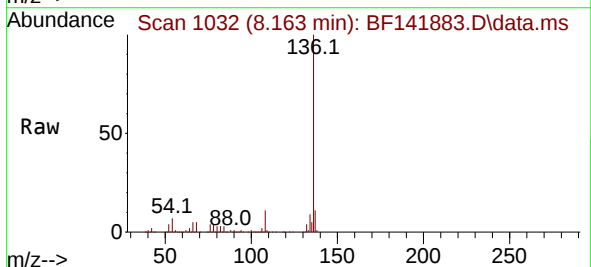
Instrument :  
BNA\_F  
ClientSampleId :  
PB167016BL

Tgt Ion: 99 Resp: 1765527  
Ion Ratio Lower Upper  
99 100  
42 18.5 15.2 22.8  
71 38.8 28.2 42.2



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.163 min Scan# 1032  
Delta R.T. -0.012 min  
Lab File: BF141883.D  
Acq: 07 Mar 2025 09:26

Tgt Ion: 136 Resp: 706438  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.9 13.3  
54 7.1 6.9 10.3  
68 5.1 5.1 7.7#





#23

Nitrobenzene-d5

Concen: 107.384 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141883.D

Acq: 07 Mar 2025 09:26

Instrument :

BNA\_F

ClientSampleId :

PB167016BL

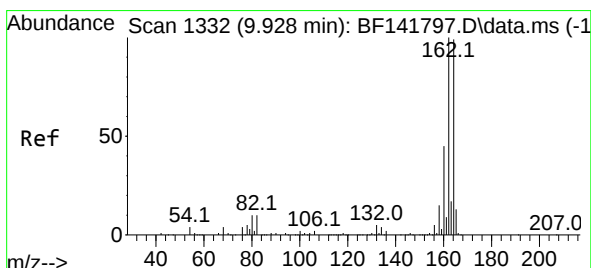
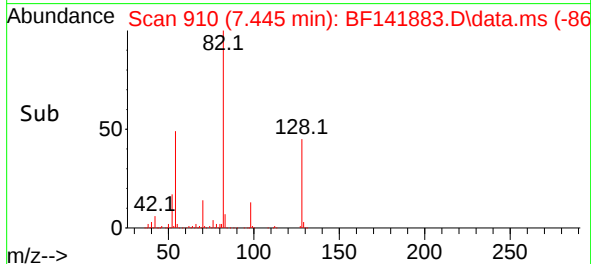
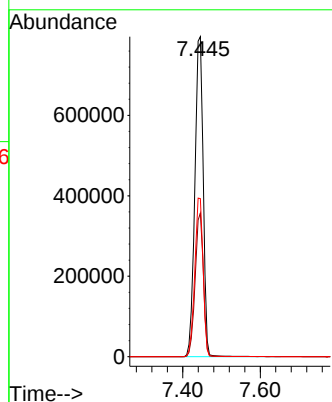
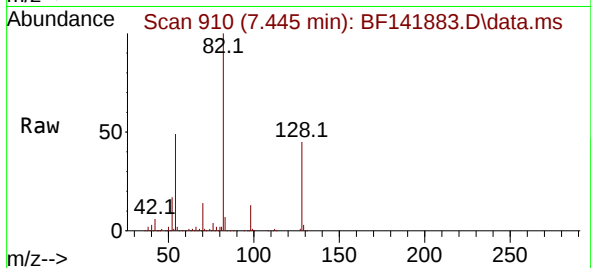
Tgt Ion: 82 Resp: 1186795

Ion Ratio Lower Upper

82 100

128 44.9 33.5 50.3

54 49.4 42.7 64.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.012 min

Lab File: BF141883.D

Acq: 07 Mar 2025 09:26

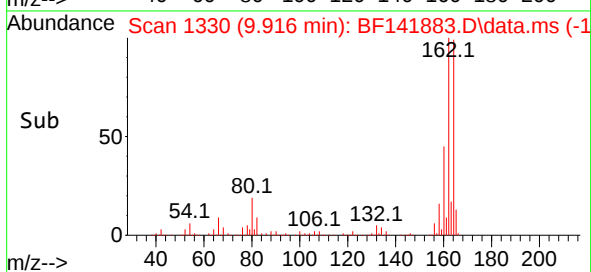
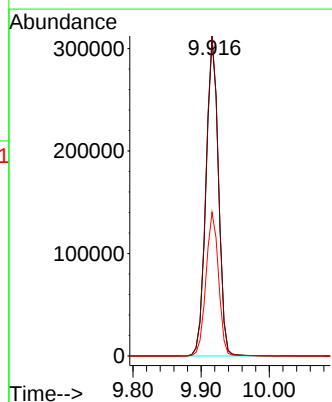
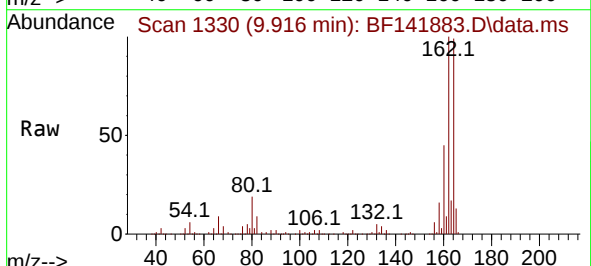
Tgt Ion:164 Resp: 393220

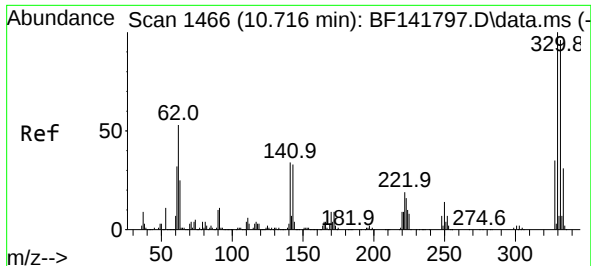
Ion Ratio Lower Upper

164 100

162 101.1 80.6 120.8

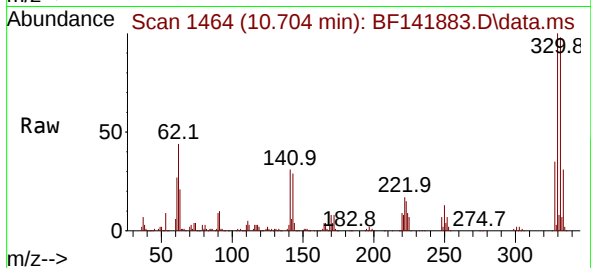
160 45.4 36.3 54.5



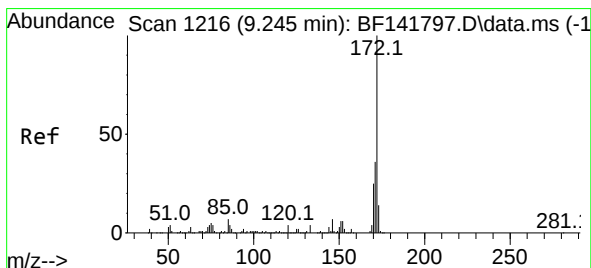
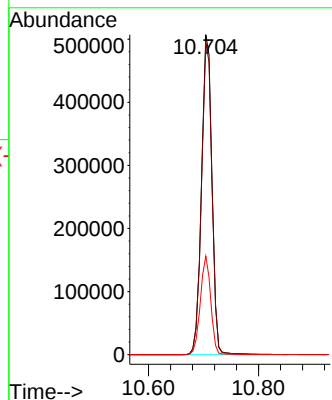
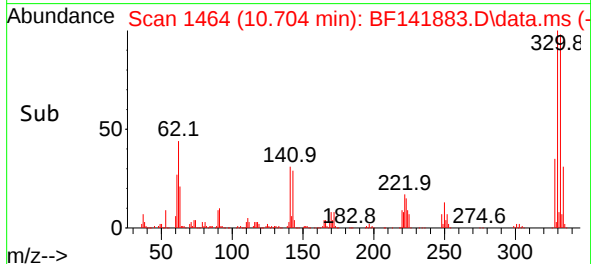


#42  
2,4,6-Tribromophenol  
Concen: 181.965 ng  
RT: 10.704 min Scan# 1464  
Delta R.T. -0.012 min  
Lab File: BF141883.D  
Acq: 07 Mar 2025 09:26

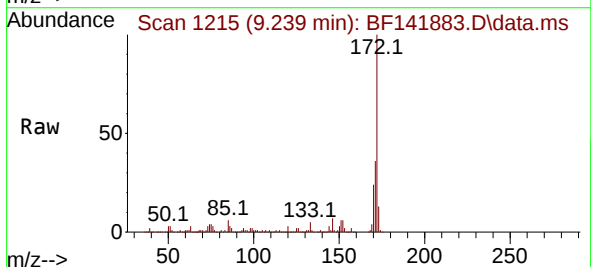
Instrument :  
BNA\_F  
ClientSampleId :  
PB167016BL



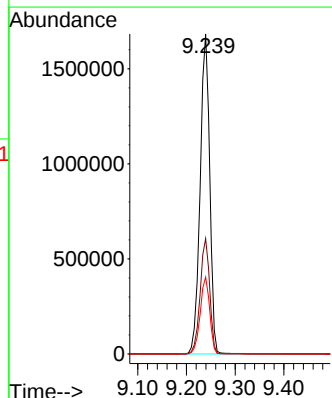
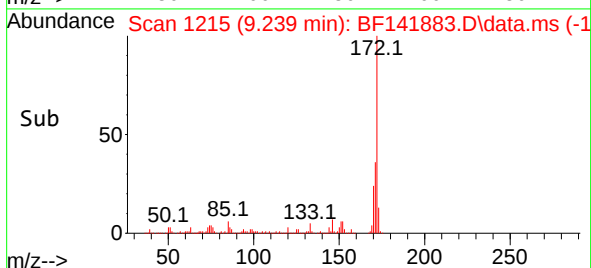
Tgt Ion:330 Resp: 671746  
Ion Ratio Lower Upper  
330 100  
332 97.6 76.6 115.0  
141 30.8 29.0 43.4

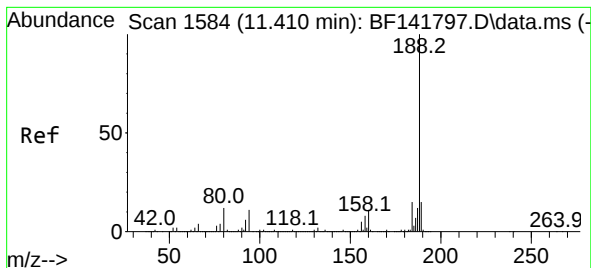


#45  
2-Fluorobiphenyl  
Concen: 94.100 ng  
RT: 9.239 min Scan# 1215  
Delta R.T. -0.006 min  
Lab File: BF141883.D  
Acq: 07 Mar 2025 09:26



Tgt Ion:172 Resp: 2307655  
Ion Ratio Lower Upper  
172 100  
171 36.0 29.2 43.8  
170 24.0 19.7 29.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141883.D

Acq: 07 Mar 2025 09:26

Instrument :

BNA\_F

ClientSampleId :

PB167016BL

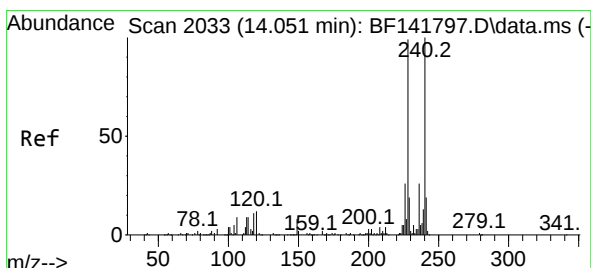
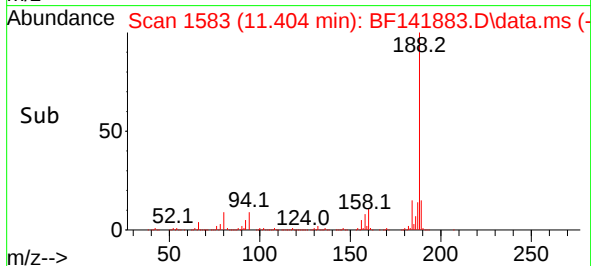
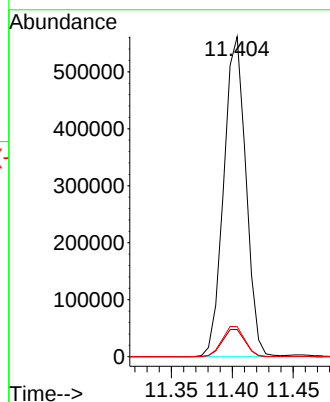
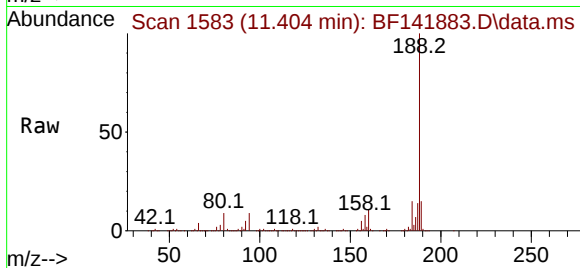
Tgt Ion:188 Resp: 712186

Ion Ratio Lower Upper

188 100

94 8.5 8.9 13.3#

80 9.4 9.7 14.5#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.012 min

Lab File: BF141883.D

Acq: 07 Mar 2025 09:26

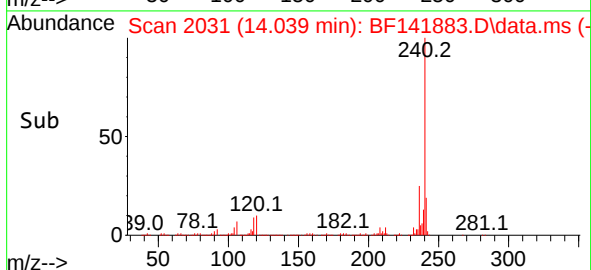
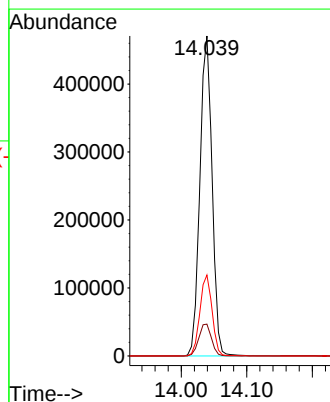
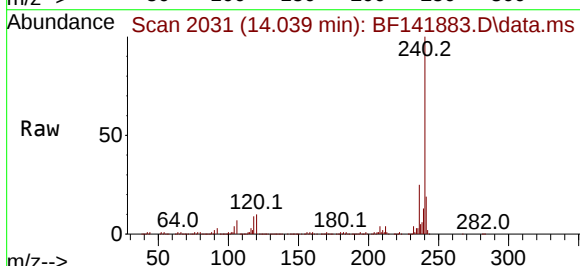
Tgt Ion:240 Resp: 610478

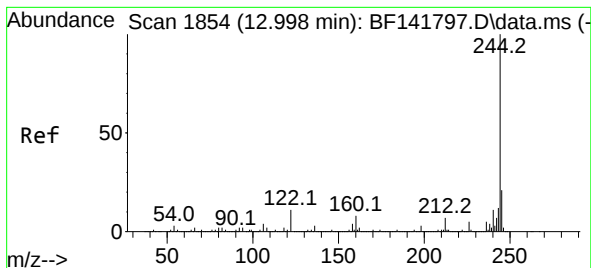
Ion Ratio Lower Upper

240 100

120 10.0 9.7 14.5

236 25.3 21.0 31.4





#79

Terphenyl-d14

Concen: 84.191 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF141883.D

Acq: 07 Mar 2025 09:26

Instrument :

BNA\_F

ClientSampleId :

PB167016BL

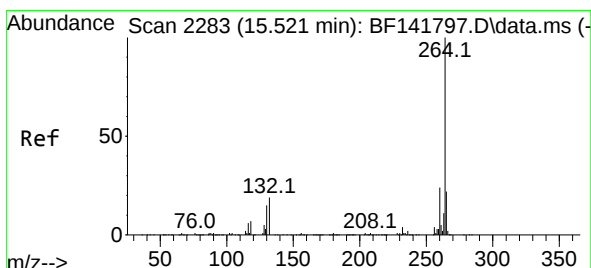
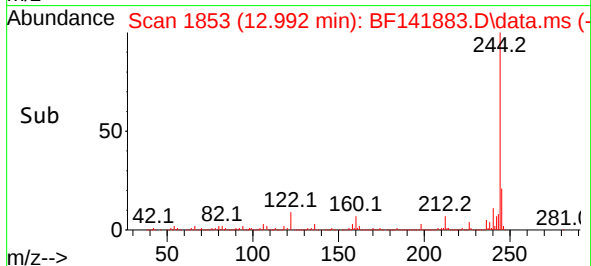
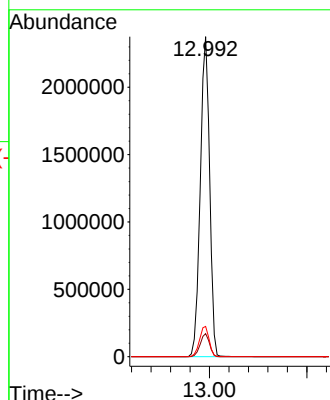
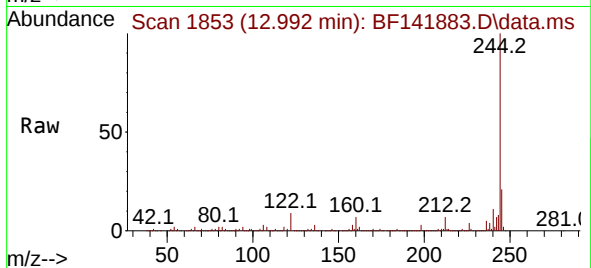
Tgt Ion:244 Resp: 3176733

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 9.4 9.0 13.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 2281

Delta R.T. -0.012 min

Lab File: BF141883.D

Acq: 07 Mar 2025 09:26

Tgt Ion:264 Resp: 476523

Ion Ratio Lower Upper

264 100

260 23.2 18.9 28.3

265 21.6 17.4 26.0

