

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011325\  
 Data File : BF141124.D  
 Acq On : 13 Jan 2025 11:37  
 Operator : RC/JU  
 Sample : PB165999BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB165999BL

Quant Time: Jan 13 12:08:46 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 10 22:54:19 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.816  | 152  | 178246   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.098  | 136  | 719658   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.857  | 164  | 395533   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.345 | 188  | 674715   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.986 | 240  | 475386   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 15.445 | 264  | 390119   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.440  | 112  | 1339083  | 116.054 | ng    | 0.01     |
| 7) Phenol-d6                | 6.440  | 99   | 1652839  | 113.085 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.381  | 82   | 1101798  | 81.156  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.645 | 330  | 564398   | 125.231 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.181  | 172  | 2043762  | 78.904  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.939 | 244  | 2415658  | 75.526  | ng    | 0.00     |

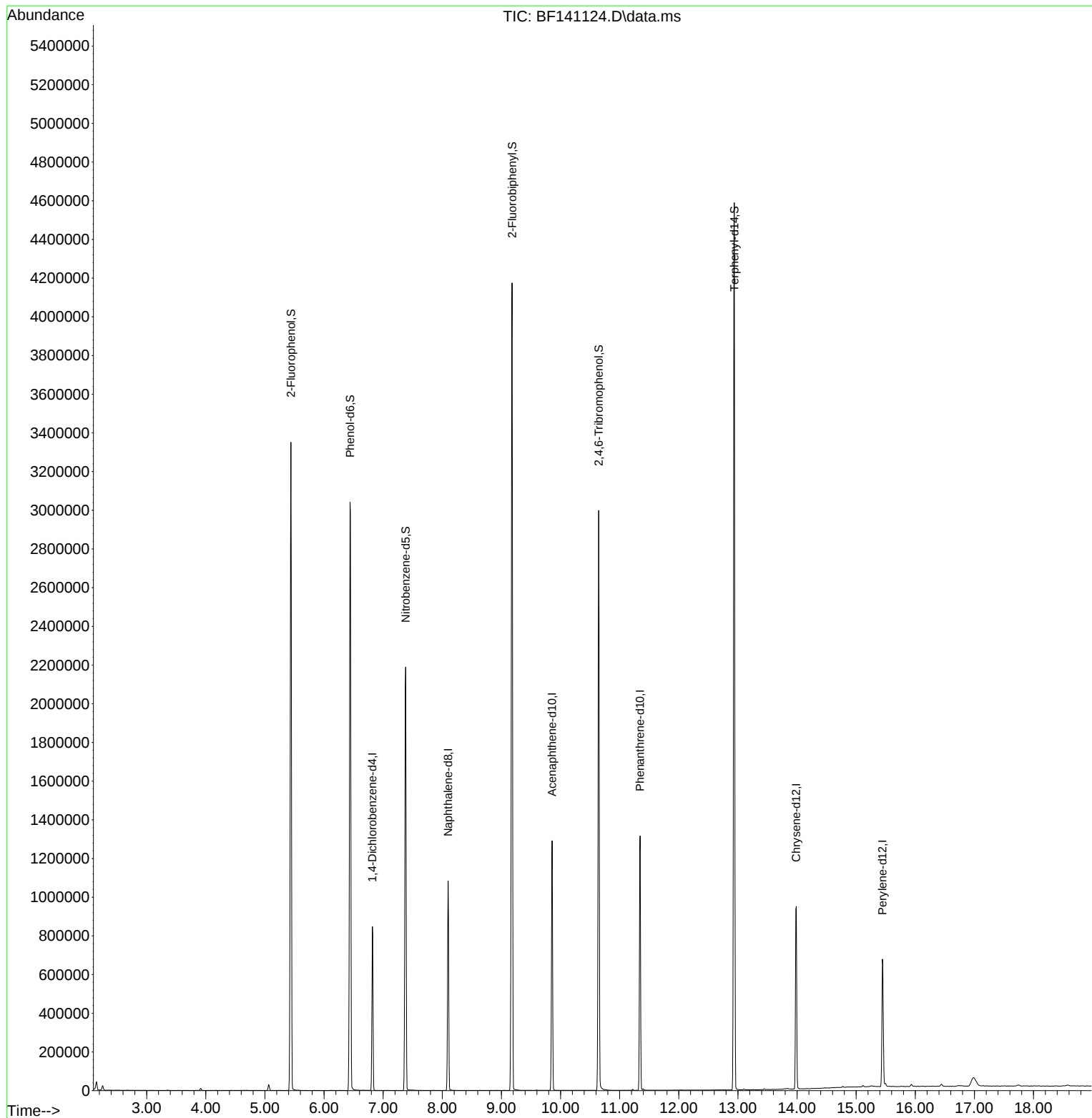
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

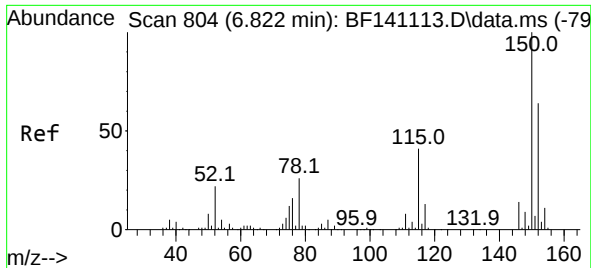
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

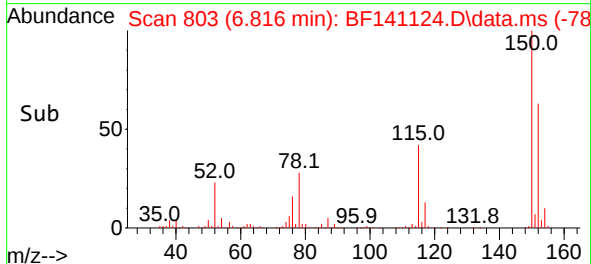
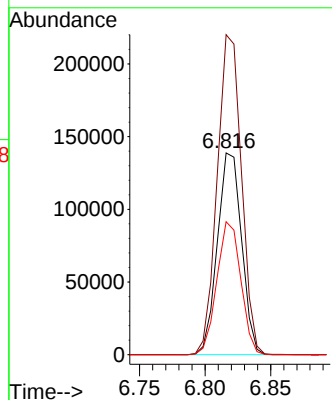
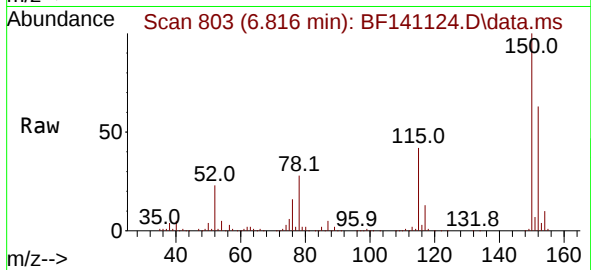




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.816 min Scan# 804  
 Delta R.T. -0.006 min  
 Lab File: BF141124.D  
 Acq: 13 Jan 2025 11:37

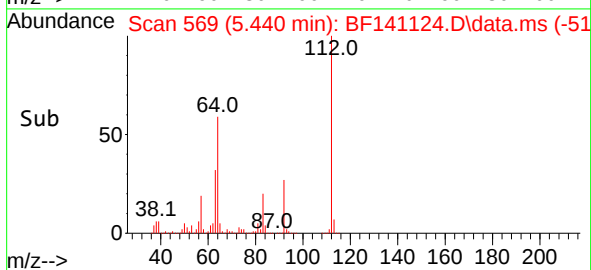
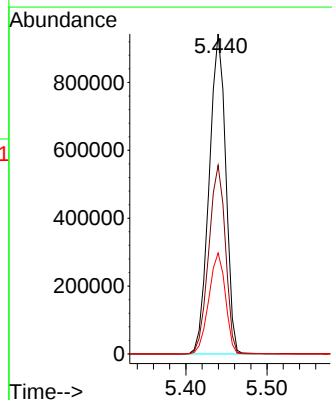
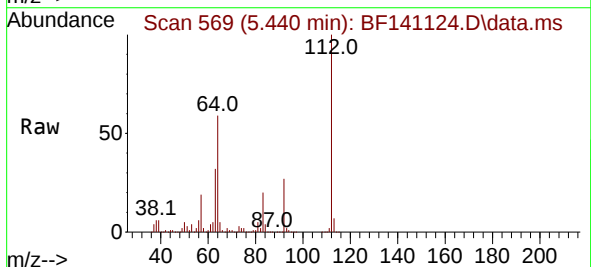
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB165999BL

Tgt Ion:152 Resp: 178246  
 Ion Ratio Lower Upper  
 152 100  
 150 158.6 125.8 188.8  
 115 65.9 51.4 77.2



#5  
 2-Fluorophenol  
 Concen: 116.054 ng  
 RT: 5.440 min Scan# 569  
 Delta R.T. 0.012 min  
 Lab File: BF141124.D  
 Acq: 13 Jan 2025 11:37

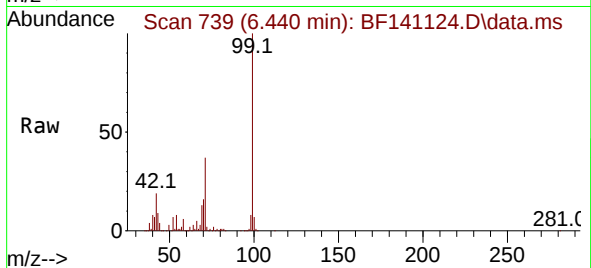
Tgt Ion:112 Resp: 1339083  
 Ion Ratio Lower Upper  
 112 100  
 64 59.0 47.3 70.9  
 63 31.6 24.2 36.2





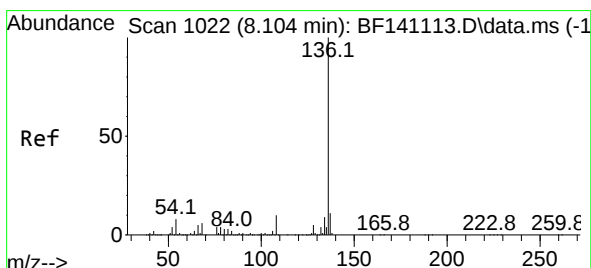
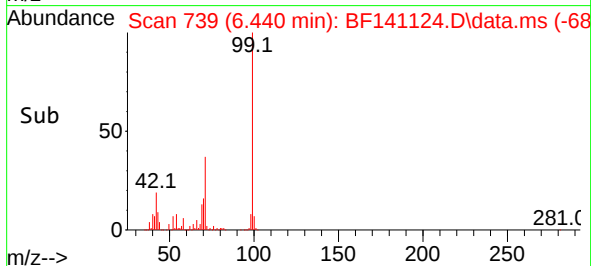
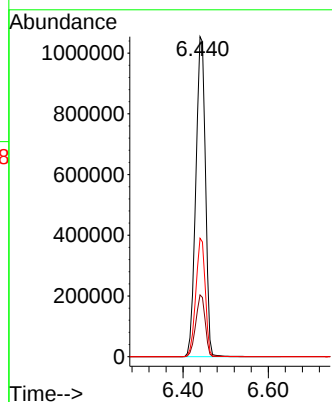
#7  
Phenol-d6  
Concen: 113.085 ng  
RT: 6.440 min Scan# 740  
Delta R.T. -0.006 min  
Lab File: BF141124.D  
Acq: 13 Jan 2025 11:37

Instrument :  
BNA\_F  
ClientSampleId :  
PB165999BL



Tgt Ion: 99 Resp: 1652839

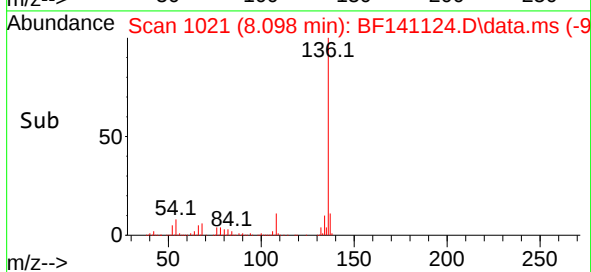
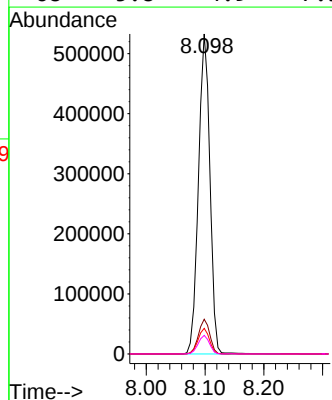
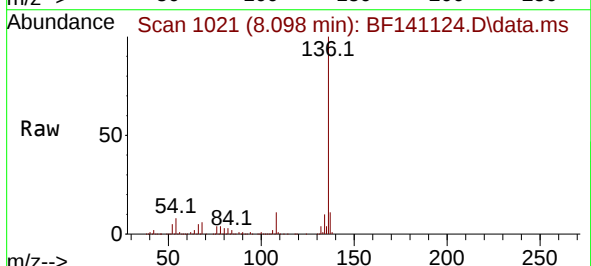
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.3  | 15.0  | 22.4  |
| 71  | 37.0  | 27.6  | 41.4  |

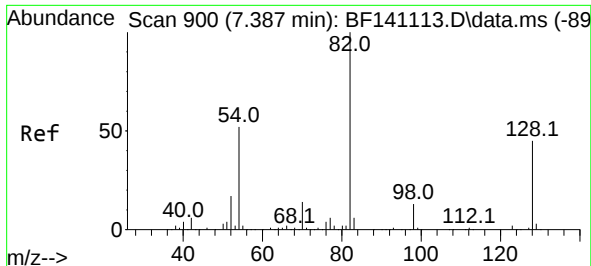


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.098 min Scan# 1021  
Delta R.T. -0.006 min  
Lab File: BF141124.D  
Acq: 13 Jan 2025 11:37

Tgt Ion: 136 Resp: 719658

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.8   | 13.2  |
| 54  | 8.0   | 6.3   | 9.5   |
| 68  | 5.8   | 4.9   | 7.3   |

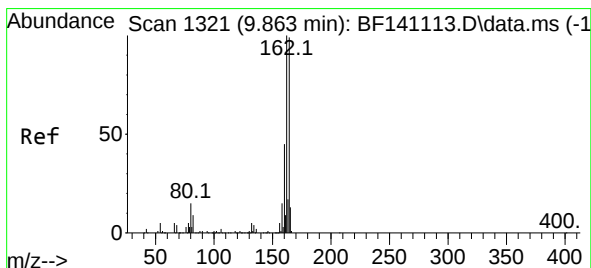
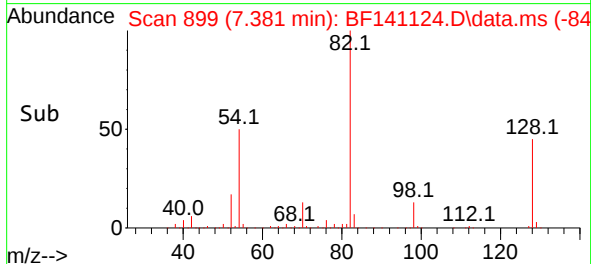
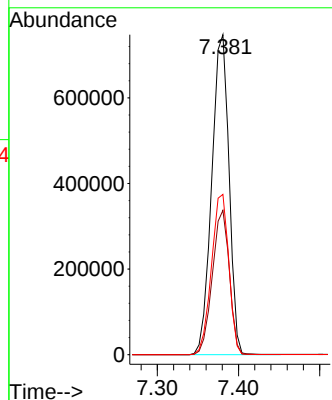
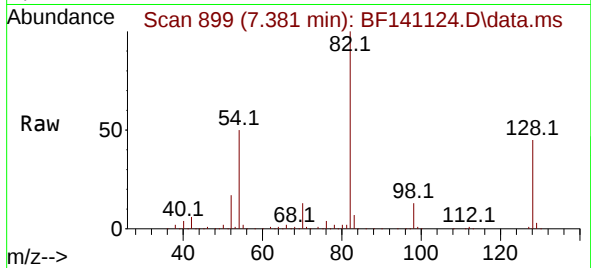




#23  
Nitrobenzene-d5  
Concen: 81.156 ng  
RT: 7.381 min Scan# 899  
Delta R.T. -0.006 min  
Lab File: BF141124.D  
Acq: 13 Jan 2025 11:37

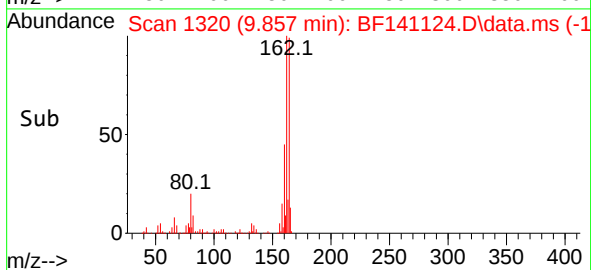
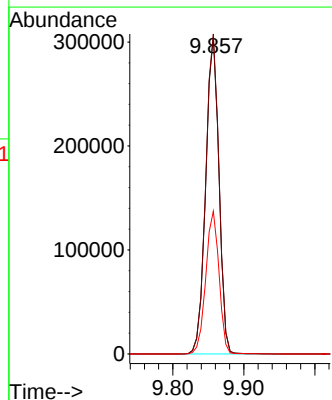
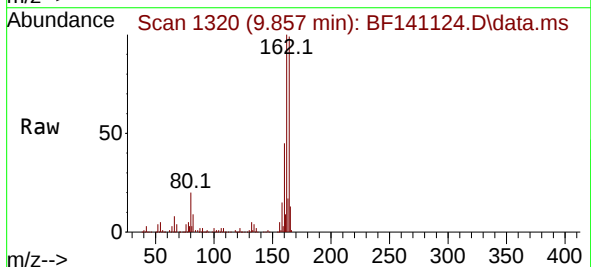
Instrument :  
BNA\_F  
ClientSampleId :  
PB165999BL

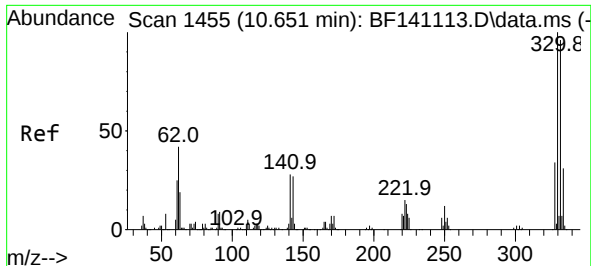
Tgt Ion: 82 Resp: 1101798  
Ion Ratio Lower Upper  
82 100  
128 45.1 36.1 54.1  
54 50.1 41.0 61.4



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.857 min Scan# 1320  
Delta R.T. -0.006 min  
Lab File: BF141124.D  
Acq: 13 Jan 2025 11:37

Tgt Ion:164 Resp: 395533  
Ion Ratio Lower Upper  
164 100  
162 101.0 81.0 121.4  
160 45.0 36.1 54.1

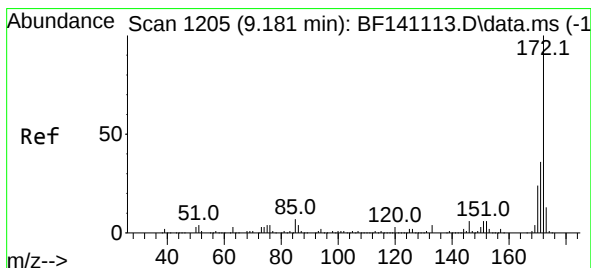
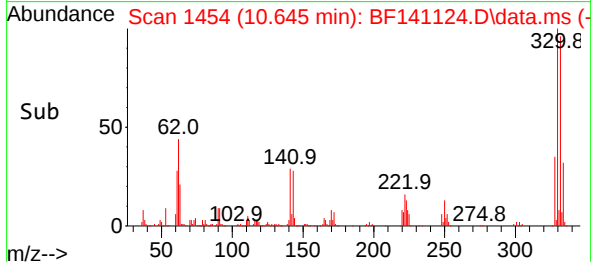
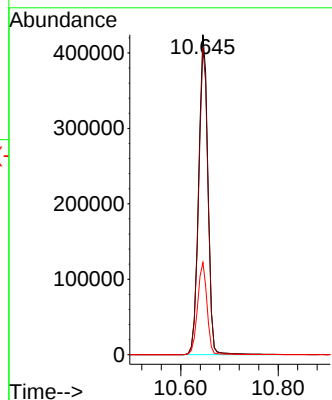
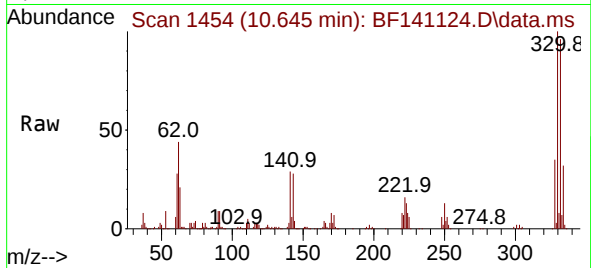




#42  
2,4,6-Tribromophenol  
Concen: 125.231 ng  
RT: 10.645 min Scan# 1455  
Delta R.T. -0.006 min  
Lab File: BF141124.D  
Acq: 13 Jan 2025 11:37

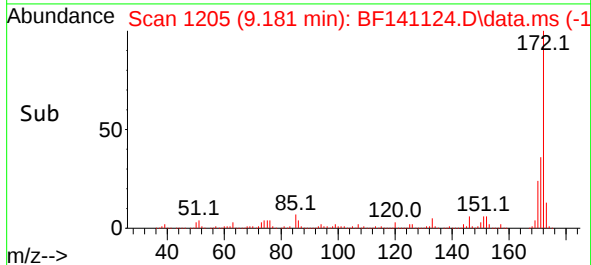
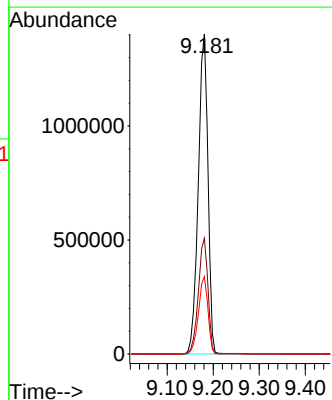
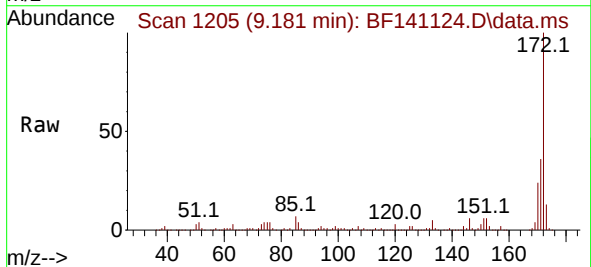
Instrument :  
BNA\_F  
ClientSampleId :  
PB165999BL

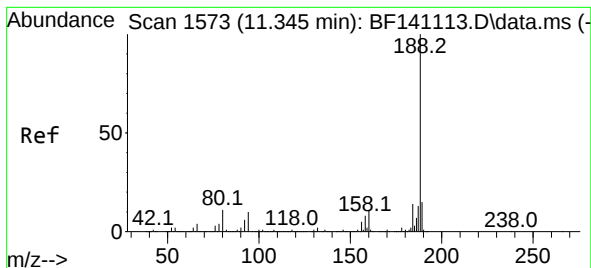
Tgt Ion:330 Resp: 564398  
Ion Ratio Lower Upper  
330 100  
332 96.5 76.9 115.3  
141 29.3 25.2 37.8



#45  
2-Fluorobiphenyl  
Concen: 78.904 ng  
RT: 9.181 min Scan# 1205  
Delta R.T. 0.000 min  
Lab File: BF141124.D  
Acq: 13 Jan 2025 11:37

Tgt Ion:172 Resp: 2043762  
Ion Ratio Lower Upper  
172 100  
171 36.2 28.7 43.1  
170 24.1 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.345 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141124.D

Acq: 13 Jan 2025 11:37

Instrument :

BNA\_F

ClientSampleId :

PB165999BL

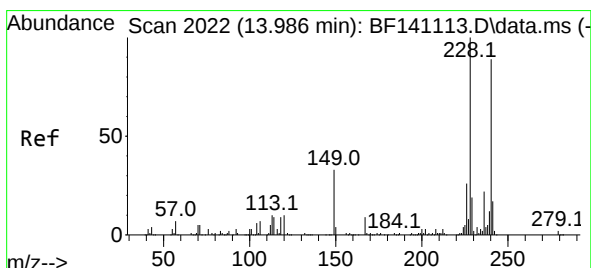
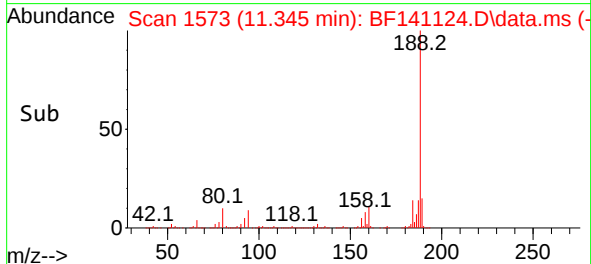
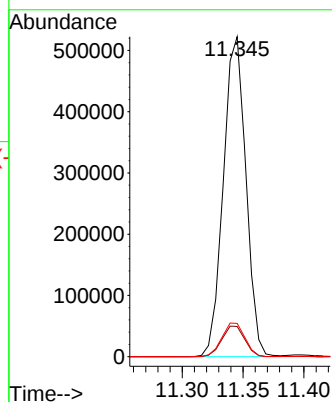
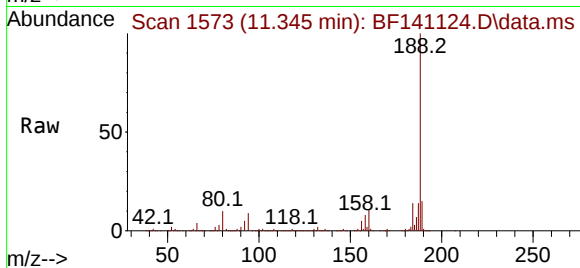
Tgt Ion:188 Resp: 674715

Ion Ratio Lower Upper

188 100

94 9.4 8.3 12.5

80 10.4 9.0 13.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 2022

Delta R.T. 0.000 min

Lab File: BF141124.D

Acq: 13 Jan 2025 11:37

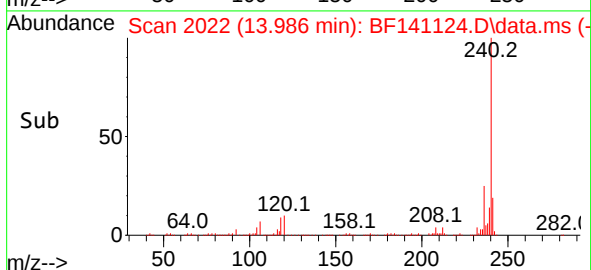
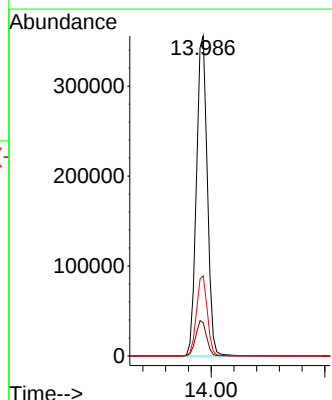
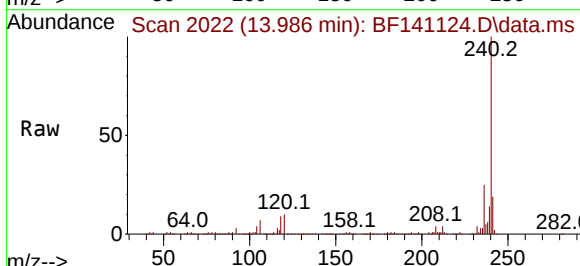
Tgt Ion:240 Resp: 475386

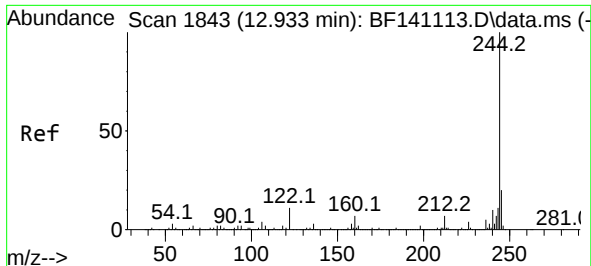
Ion Ratio Lower Upper

240 100

120 10.4 9.1 13.7

236 25.1 19.8 29.6

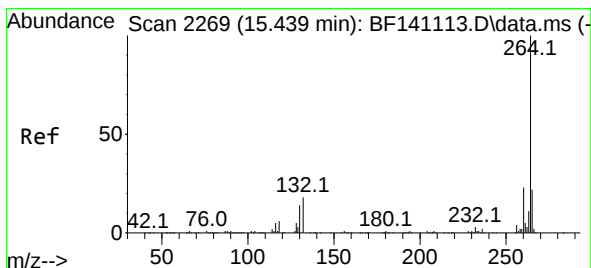
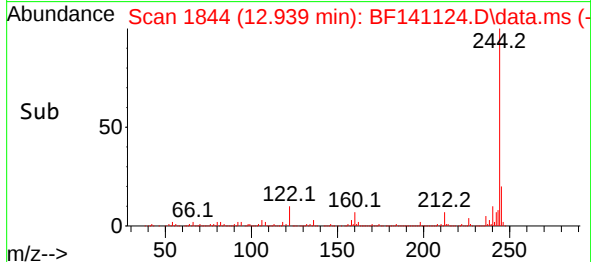
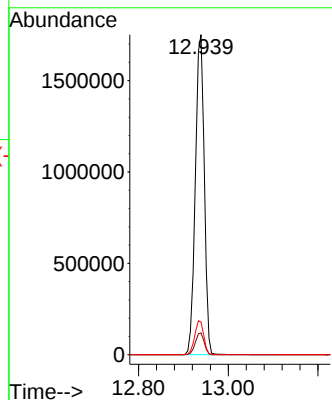
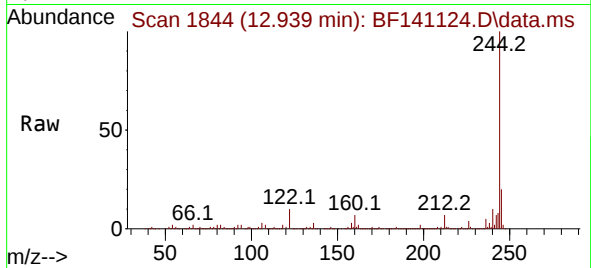




#79  
 Terphenyl-d14  
 Concen: 75.526 ng  
 RT: 12.939 min Scan# 1844  
 Delta R.T. 0.006 min  
 Lab File: BF141124.D  
 Acq: 13 Jan 2025 11:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB165999BL

Tgt Ion:244 Resp: 2415658  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.4 8.2  
 122 10.2 8.8 13.2



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.445 min Scan# 2270  
 Delta R.T. 0.006 min  
 Lab File: BF141124.D  
 Acq: 13 Jan 2025 11:37

Tgt Ion:264 Resp: 390119  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 18.6 28.0  
 265 21.6 17.4 26.0

