

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF021225\  
 Data File : BF141582.D  
 Acq On : 12 Feb 2025 11:43  
 Operator : RC/JU  
 Sample : PB166681BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166681BL

Quant Time: Feb 12 12:21:40 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 06 16:58:59 2025  
 Response via : Initial Calibration

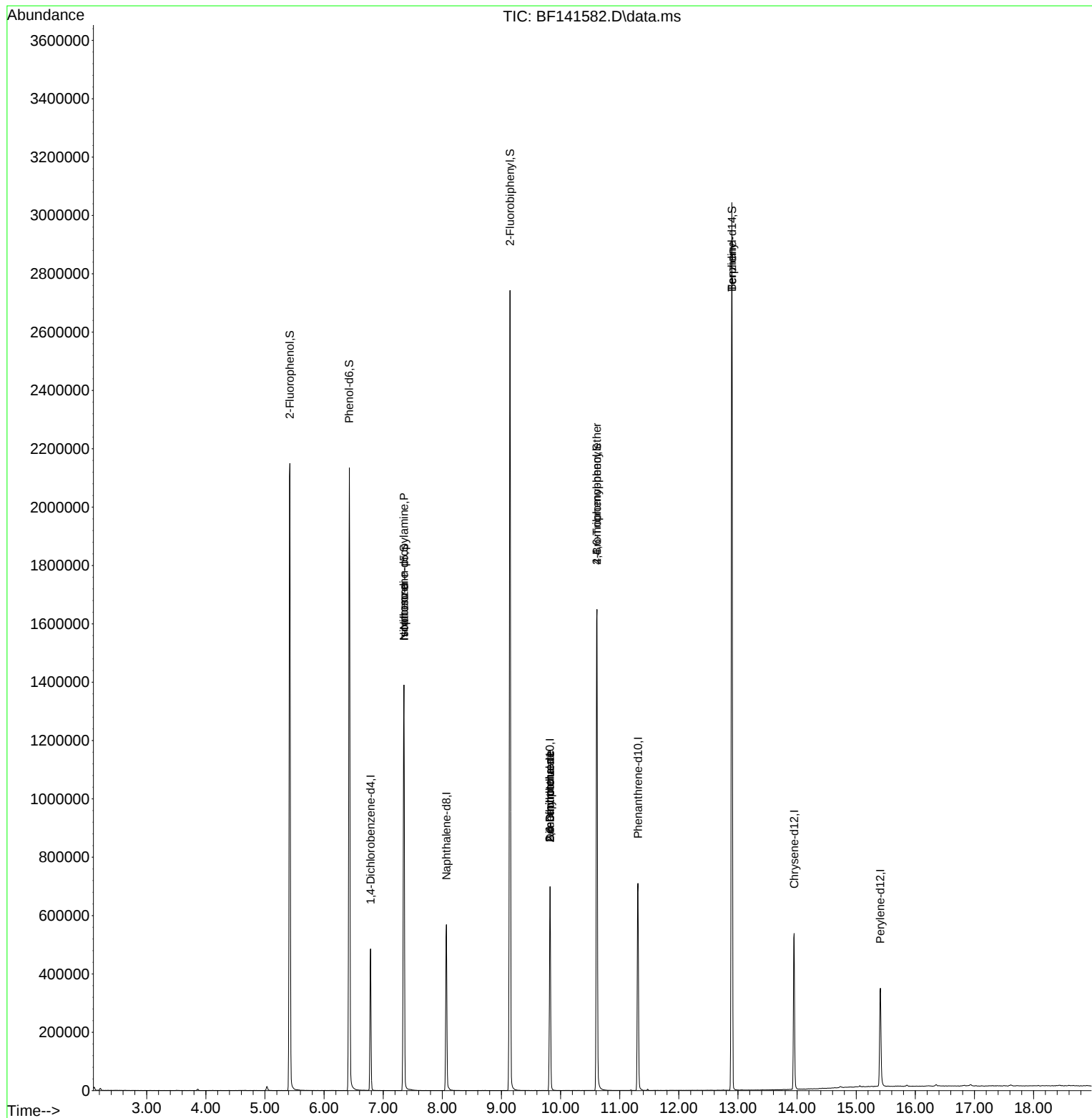
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.787  | 152  | 98723    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.069  | 136  | 396136   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.822  | 164  | 221238   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.310 | 188  | 396526   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.951 | 240  | 285482   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.410 | 264  | 216322   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.422  | 112  | 810662   | 128.735 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.428  | 99   | 1001895  | 125.881 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.351  | 82   | 670704   | 88.310  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.616 | 330  | 286032   | 128.702 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.145  | 172  | 1271988  | 88.578  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.898 | 244  | 1552786  | 91.823  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.351  | 70   | 88708    | 18.633  | ng    | # 75     |
| 25) Isophorone                | 7.351  | 82   | 647662   | 53.482  | ng    | # 66     |
| 50) Dimethylphthalate         | 9.822  | 163  | 31754    | 2.114   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.822  | 165  | 27811    | 8.470   | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 9.822  | 165  | 27811    | 6.363   | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.616 | 248  | 19190    | 4.330   | ng    | # 1      |
| 77) Benzidine                 | 12.898 | 184  | 19837    | 3.151   | ng    | # 89     |
| -----                         |        |      |          |         |       |          |

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

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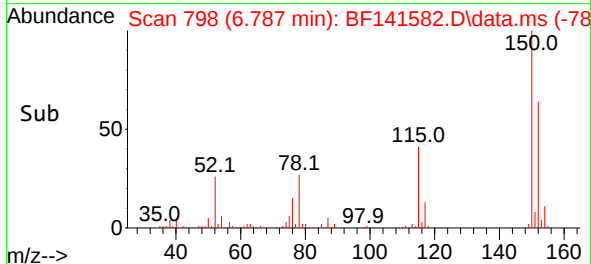
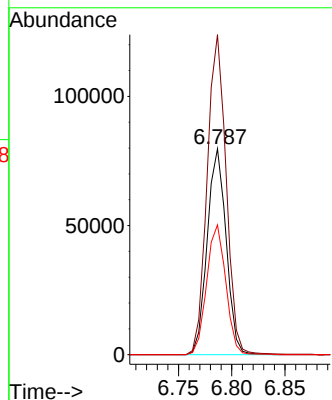
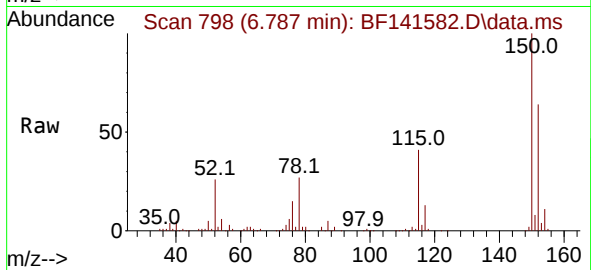




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.787 min Scan# 798  
Delta R.T. -0.005 min  
Lab File: BF141582.D  
Acq: 12 Feb 2025 11:43

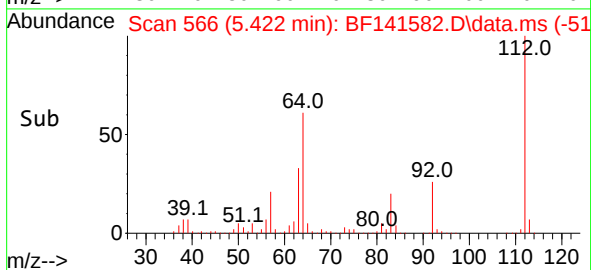
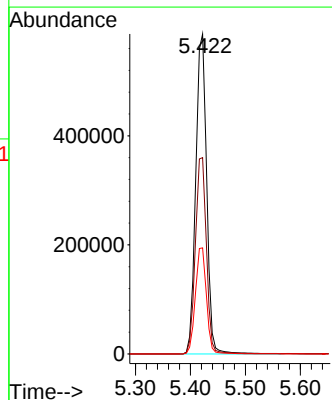
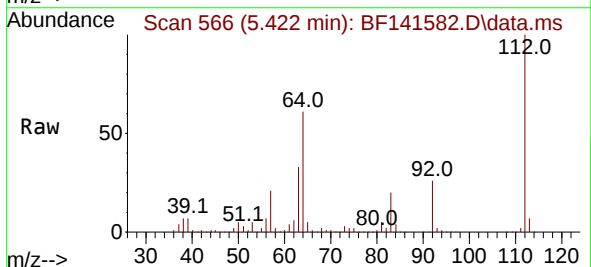
Instrument :  
BNA\_F  
ClientSampleId :  
PB166681BL

Tgt Ion:152 Resp: 98723  
Ion Ratio Lower Upper  
152 100  
150 155.4 125.0 187.4  
115 63.0 53.6 80.4



#5  
2-Fluorophenol  
Concen: 128.735 ng  
RT: 5.422 min Scan# 566  
Delta R.T. 0.012 min  
Lab File: BF141582.D  
Acq: 12 Feb 2025 11:43

Tgt Ion:112 Resp: 810662  
Ion Ratio Lower Upper  
112 100  
64 61.3 51.1 76.7  
63 33.1 28.4 42.6

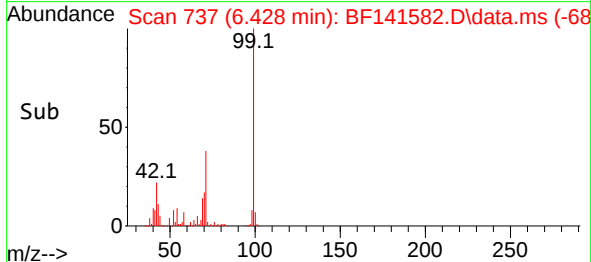
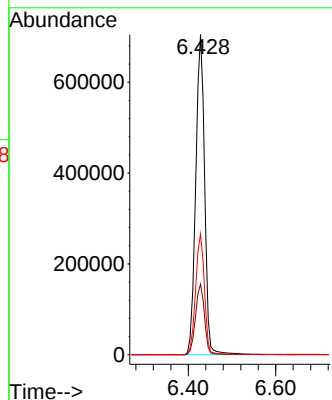
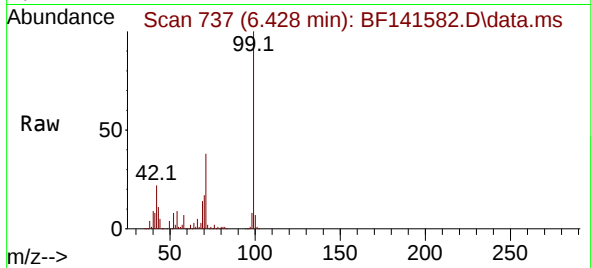




#7  
Phenol-d6  
Concen: 125.881 ng  
RT: 6.428 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF141582.D  
Acq: 12 Feb 2025 11:43

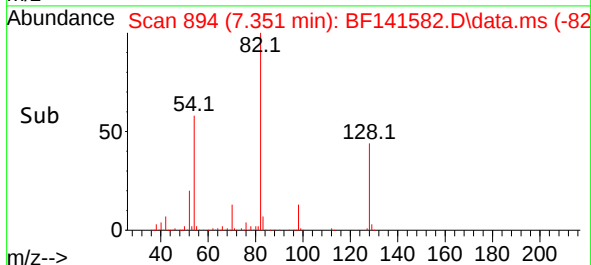
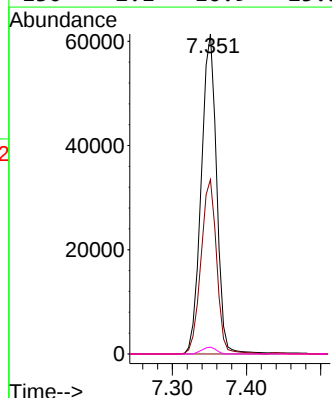
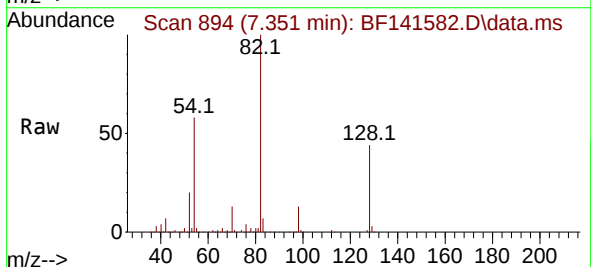
Instrument :  
BNA\_F  
ClientSampleId :  
PB166681BL

Tgt Ion: 99 Resp: 1001895  
Ion Ratio Lower Upper  
99 100  
42 22.0 19.1 28.7  
71 37.7 31.1 46.7



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.633 ng  
RT: 7.351 min Scan# 894  
Delta R.T. 0.135 min  
Lab File: BF141582.D  
Acq: 12 Feb 2025 11:43

Tgt Ion: 70 Resp: 88708  
Ion Ratio Lower Upper  
70 100  
42 54.5 57.4 86.2#  
101 0.0 8.0 12.0#  
130 2.1 16.9 25.3#

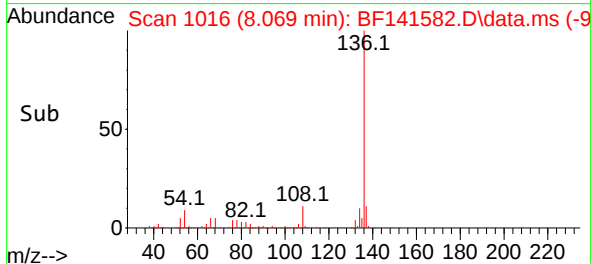
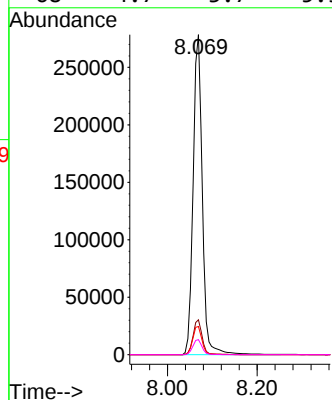
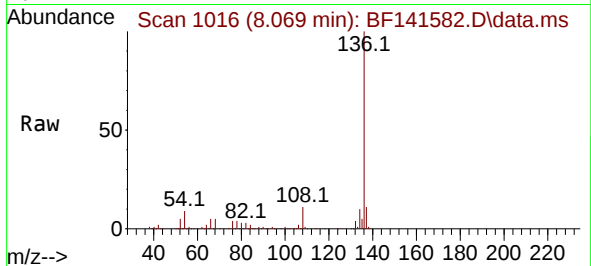




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.069 min Scan# 1017  
Delta R.T. -0.006 min  
Lab File: BF141582.D  
Acq: 12 Feb 2025 11:43

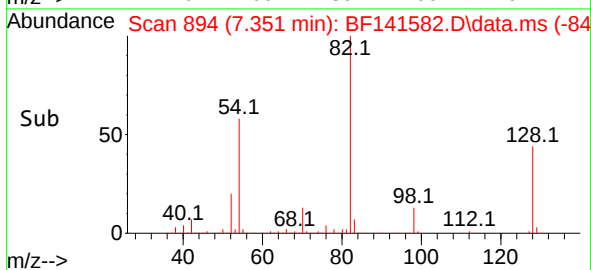
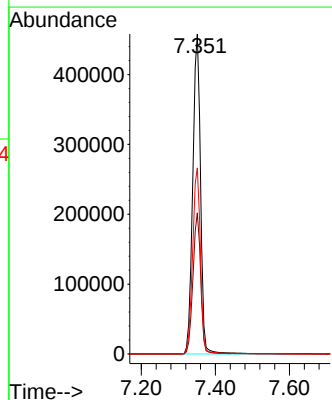
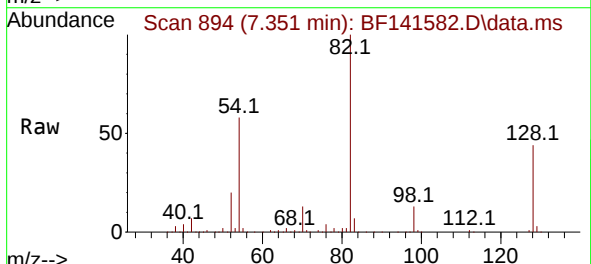
Instrument :  
BNA\_F  
ClientSampleId :  
PB166681BL

Tgt Ion:136 Resp: 396136  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 13.0  
54 8.8 7.2 10.8  
68 4.7 3.7 5.5



#23  
Nitrobenzene-d5  
Concen: 88.310 ng  
RT: 7.351 min Scan# 894  
Delta R.T. -0.012 min  
Lab File: BF141582.D  
Acq: 12 Feb 2025 11:43

Tgt Ion: 82 Resp: 670704  
Ion Ratio Lower Upper  
82 100  
128 44.1 34.8 52.2  
54 58.1 48.2 72.4

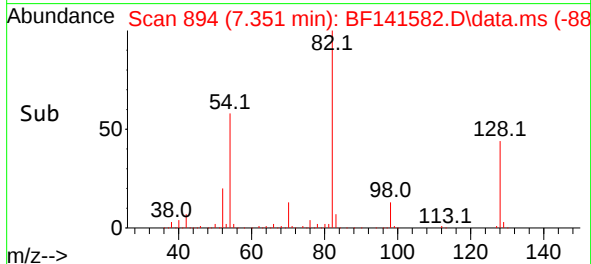
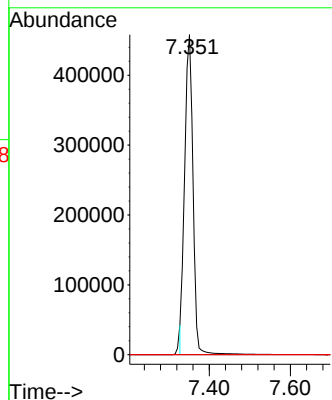
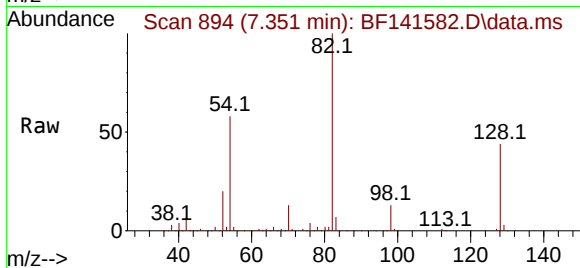




#25  
Isophorone  
Concen: 53.482 ng  
RT: 7.351 min Scan# 894  
Delta R.T. -0.270 min  
Lab File: BF141582.D  
Acq: 12 Feb 2025 11:43

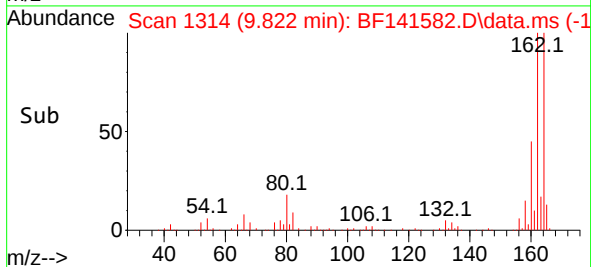
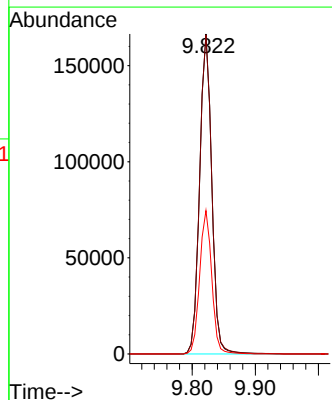
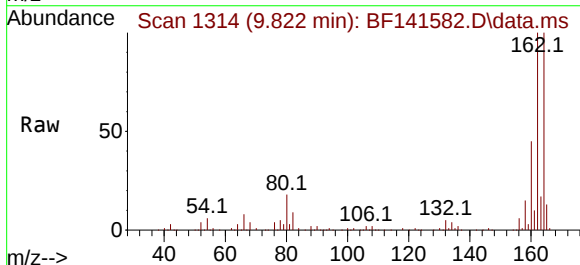
Instrument :  
BNA\_F  
ClientSampleId :  
PB166681BL

Tgt Ion: 82 Resp: 647662  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.4 9.6#  
138 0.0 13.9 20.9#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.822 min Scan# 1314  
Delta R.T. -0.012 min  
Lab File: BF141582.D  
Acq: 12 Feb 2025 11:43

Tgt Ion:164 Resp: 221238  
Ion Ratio Lower Upper  
164 100  
162 99.8 81.3 121.9  
160 44.8 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 128.702 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF141582.D

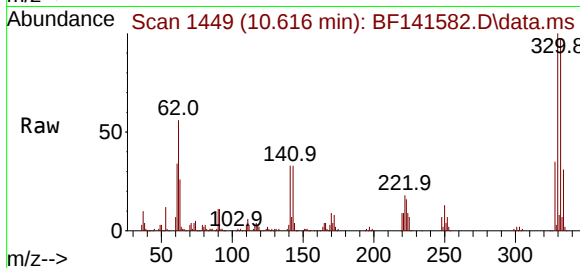
Acq: 12 Feb 2025 11:43

Instrument :

BNA\_F

ClientSampleId :

PB166681BL



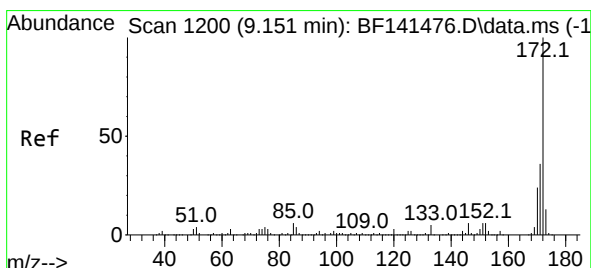
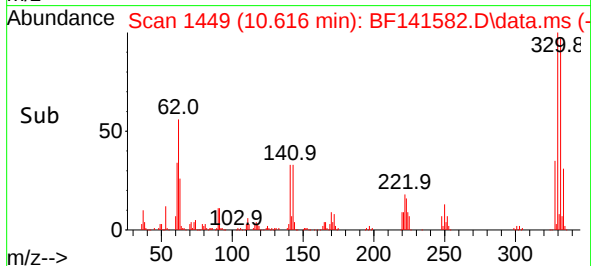
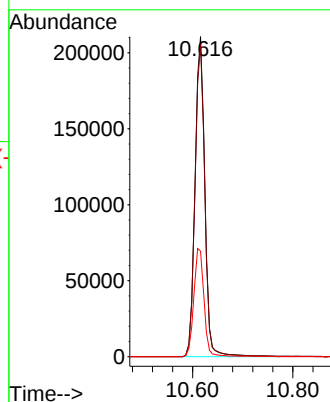
Tgt Ion:330 Resp: 286032

Ion Ratio Lower Upper

330 100

332 97.4 78.5 117.7

141 35.3 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 88.578 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141582.D

Acq: 12 Feb 2025 11:43

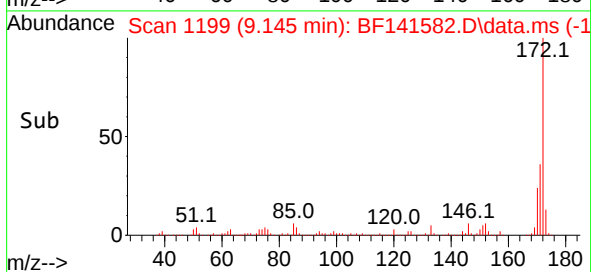
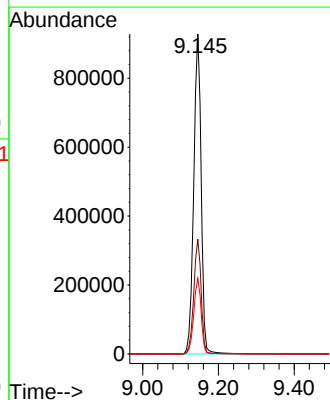
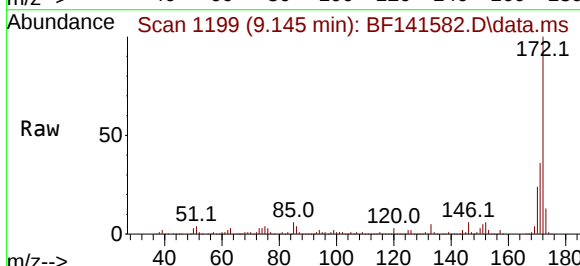
Tgt Ion:172 Resp: 1271988

Ion Ratio Lower Upper

172 100

171 35.8 28.7 43.1

170 23.6 18.9 28.3

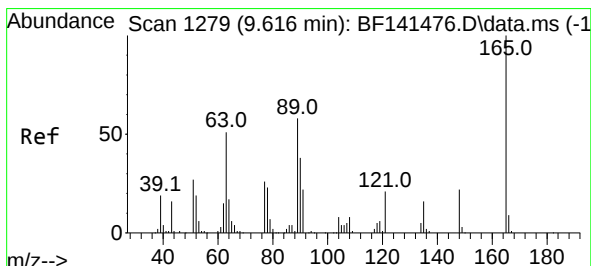
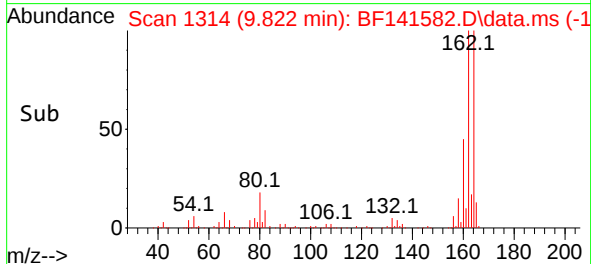
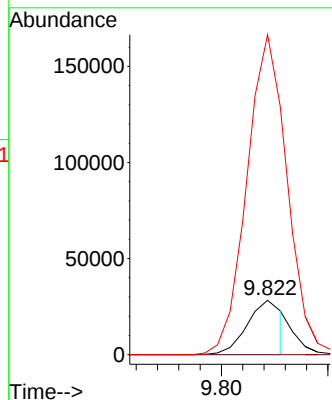
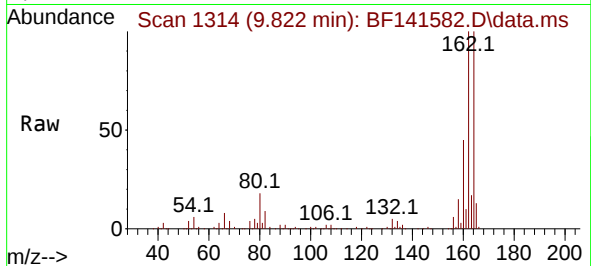




#50  
Dimethylphthalate  
Concen: 2.114 ng  
RT: 9.822 min Scan# 1314  
Delta R.T. 0.259 min  
Lab File: BF141582.D  
Acq: 12 Feb 2025 11:43

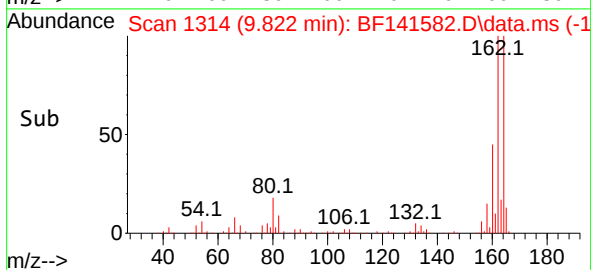
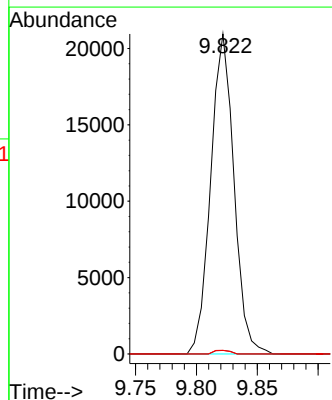
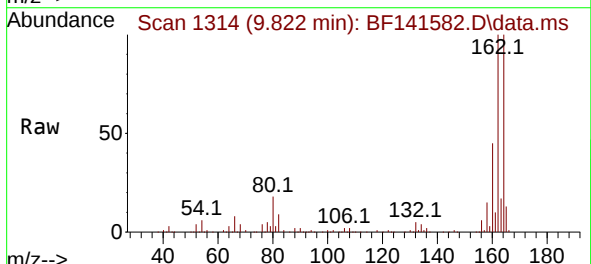
Instrument :  
BNA\_F  
ClientSampleId :  
PB166681BL

Tgt Ion:163 Resp: 31754  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.0 4.4#  
164 588.8 7.9 11.9#



#51  
2,6-Dinitrotoluene  
Concen: 8.470 ng  
RT: 9.822 min Scan# 1314  
Delta R.T. 0.200 min  
Lab File: BF141582.D  
Acq: 12 Feb 2025 11:43

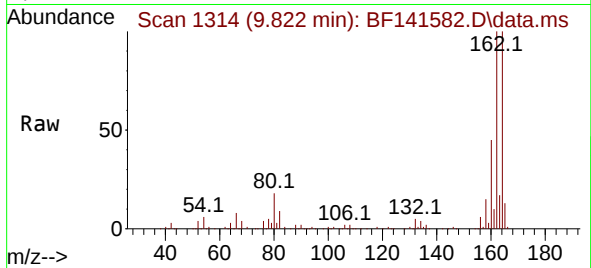
Tgt Ion:165 Resp: 27811  
Ion Ratio Lower Upper  
165 100  
63 1.1 49.4 74.0#  
89 1.1 46.5 69.7#



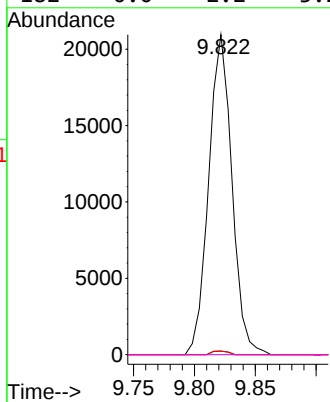
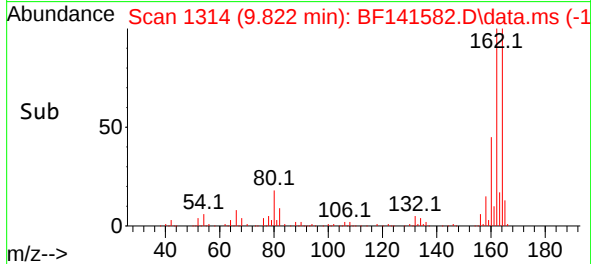


#57  
2,4-Dinitrotoluene  
Concen: 6.363 ng  
RT: 9.822 min Scan# 11  
Delta R.T. -0.206 min  
Lab File: BF141582.D  
Acq: 12 Feb 2025 11:43

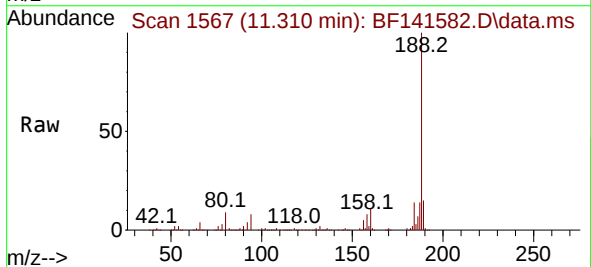
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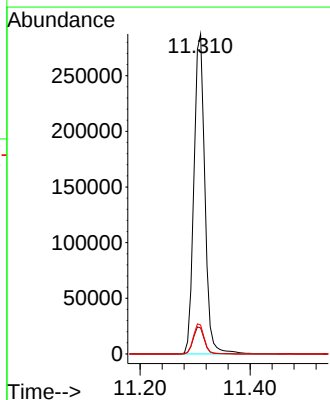
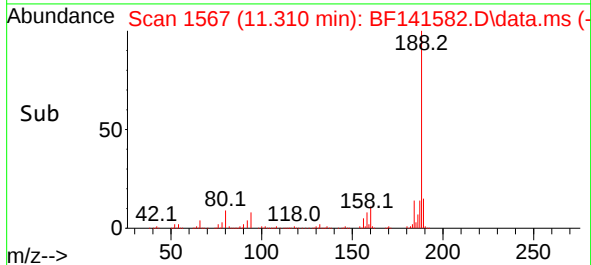
Tgt Ion:165 Resp: 27811  
Ion Ratio Lower Upper  
165 100  
63 1.1 46.4 69.6#  
89 1.1 61.8 92.6#  
182 0.0 2.2 3.2#

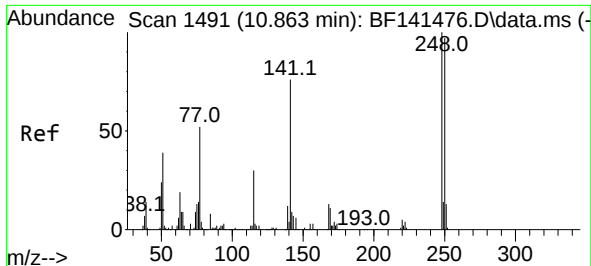


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.310 min Scan# 1567  
Delta R.T. -0.006 min  
Lab File: BF141582.D  
Acq: 12 Feb 2025 11:43



Tgt Ion:188 Resp: 396526  
Ion Ratio Lower Upper  
188 100  
94 8.1 6.6 10.0  
80 9.0 7.3 10.9

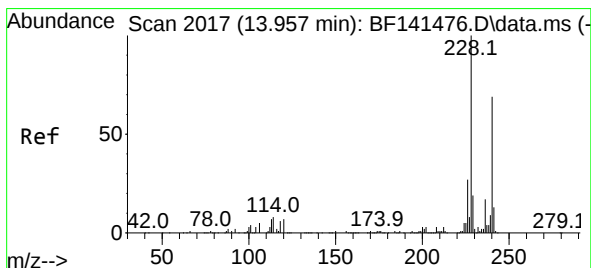
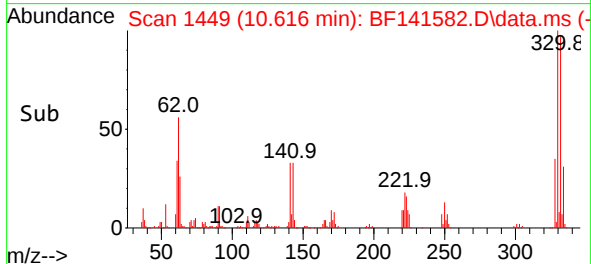
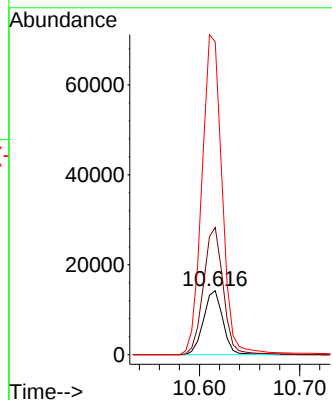
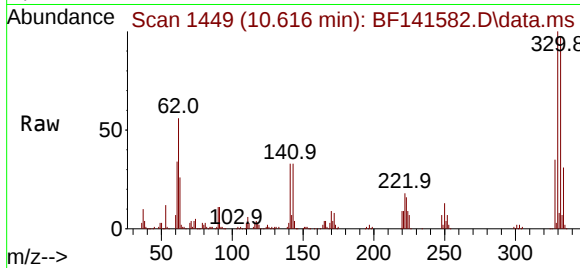




#67  
4-Bromophenyl-phenylether  
Concen: 4.330 ng  
RT: 10.616 min Scan# 1491  
Delta R.T. -0.247 min  
Lab File: BF141582.D  
Acq: 12 Feb 2025 11:43

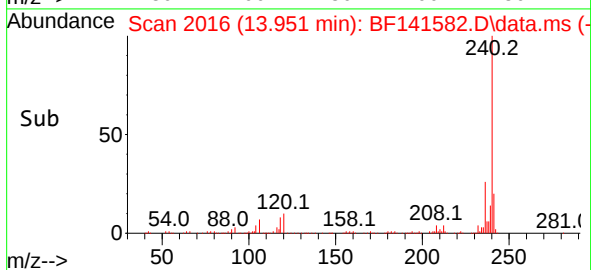
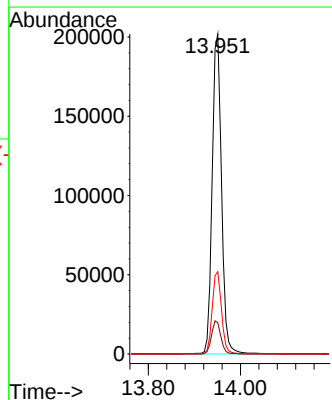
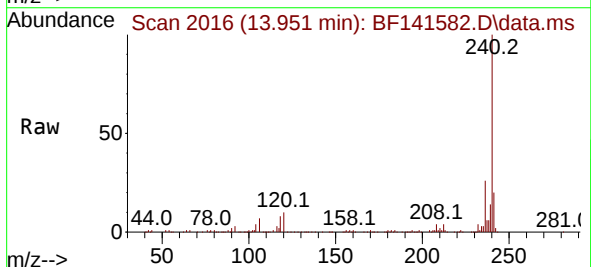
Instrument :  
BNA\_F  
ClientSampleId :  
PB166681BL

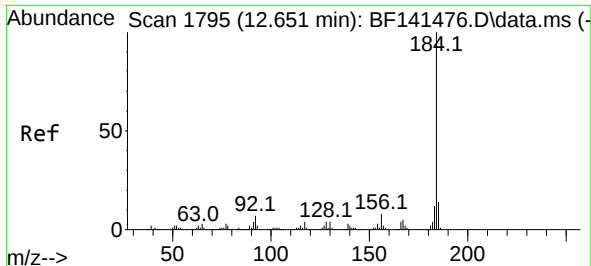
Tgt Ion:248 Resp: 19190  
Ion Ratio Lower Upper  
248 100  
250 198.5 77.8 116.6#  
141 488.3 60.6 90.8#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.951 min Scan# 2016  
Delta R.T. -0.012 min  
Lab File: BF141582.D  
Acq: 12 Feb 2025 11:43

Tgt Ion:240 Resp: 285482  
Ion Ratio Lower Upper  
240 100  
120 9.7 8.0 12.0  
236 25.7 19.8 29.8

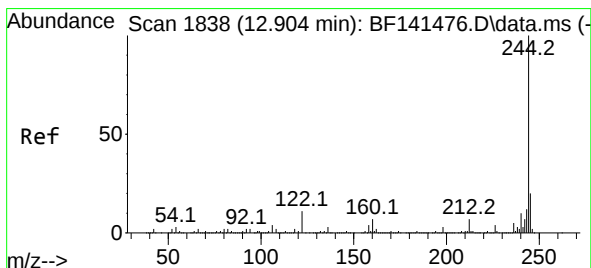
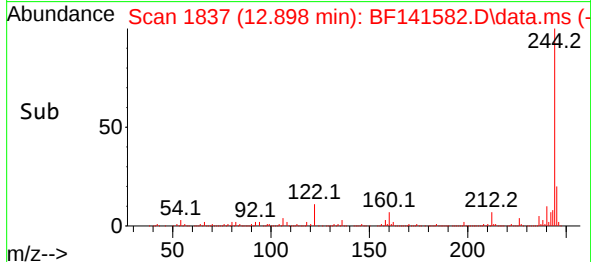
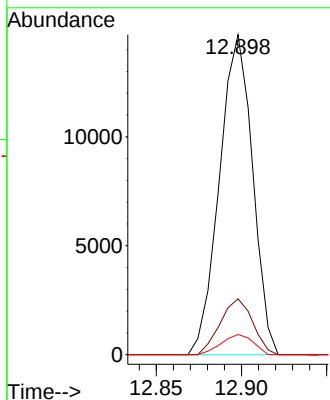
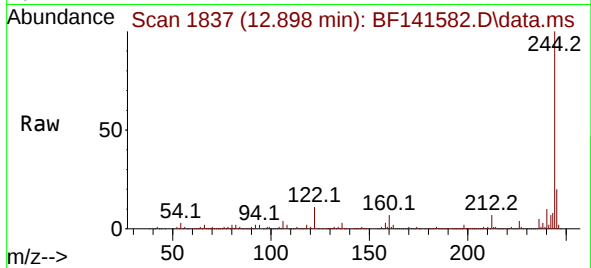




#77  
Benzidine  
Concen: 3.151 ng  
RT: 12.898 min Scan# 1837  
Delta R.T. 0.241 min  
Lab File: BF141582.D  
Acq: 12 Feb 2025 11:43

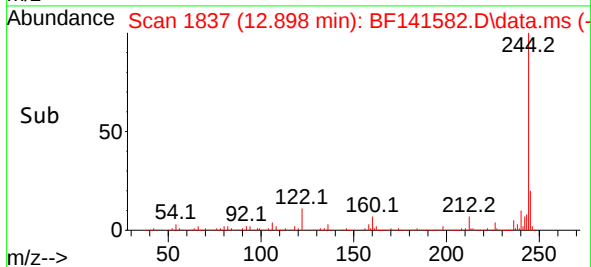
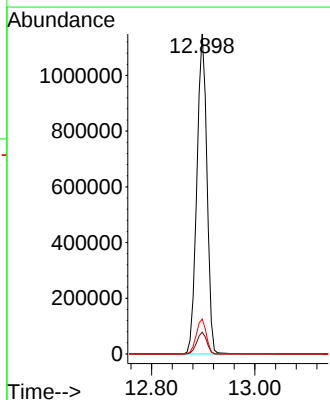
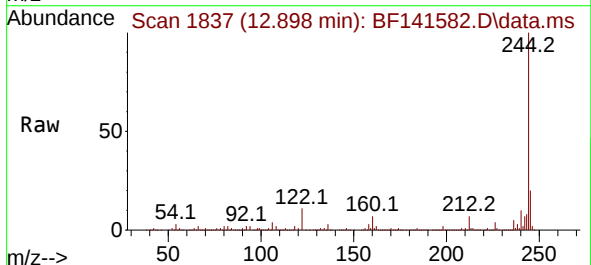
Instrument :  
BNA\_F  
ClientSampleId :  
PB166681BL

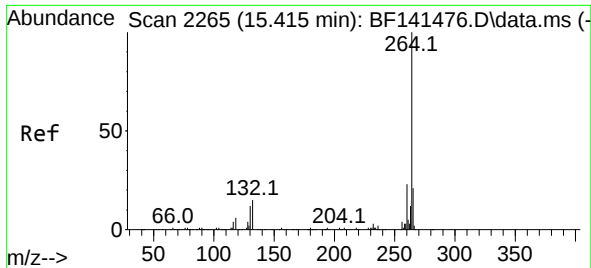
Tgt Ion:184 Resp: 19837  
Ion Ratio Lower Upper  
184 100  
185 17.5 11.3 16.9#  
183 6.3 9.3 13.9#



#79  
Terphenyl-d14  
Concen: 91.823 ng  
RT: 12.898 min Scan# 1837  
Delta R.T. -0.006 min  
Lab File: BF141582.D  
Acq: 12 Feb 2025 11:43

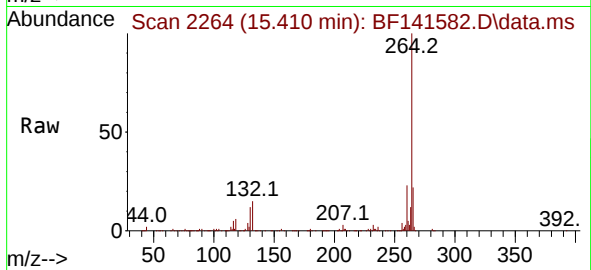
Tgt Ion:244 Resp: 1552786  
Ion Ratio Lower Upper  
244 100  
212 6.8 5.6 8.4  
122 10.9 8.4 12.6





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.410 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BF141582.D  
 Acq: 12 Feb 2025 11:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166681BL



Tgt Ion:264 Resp: 216322

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.2  | 18.6  | 28.0  |
| 265 | 21.9  | 17.0  | 25.4  |

