

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF050522\  
 Data File : BF128087.D  
 Acq On : 05 May 2022 11:02  
 Operator : CG\JU  
 Sample : PB144564BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB144564BL

Quant Time: May 05 17:58:10 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 05 17:56:23 2022  
 Response via : Initial Calibration

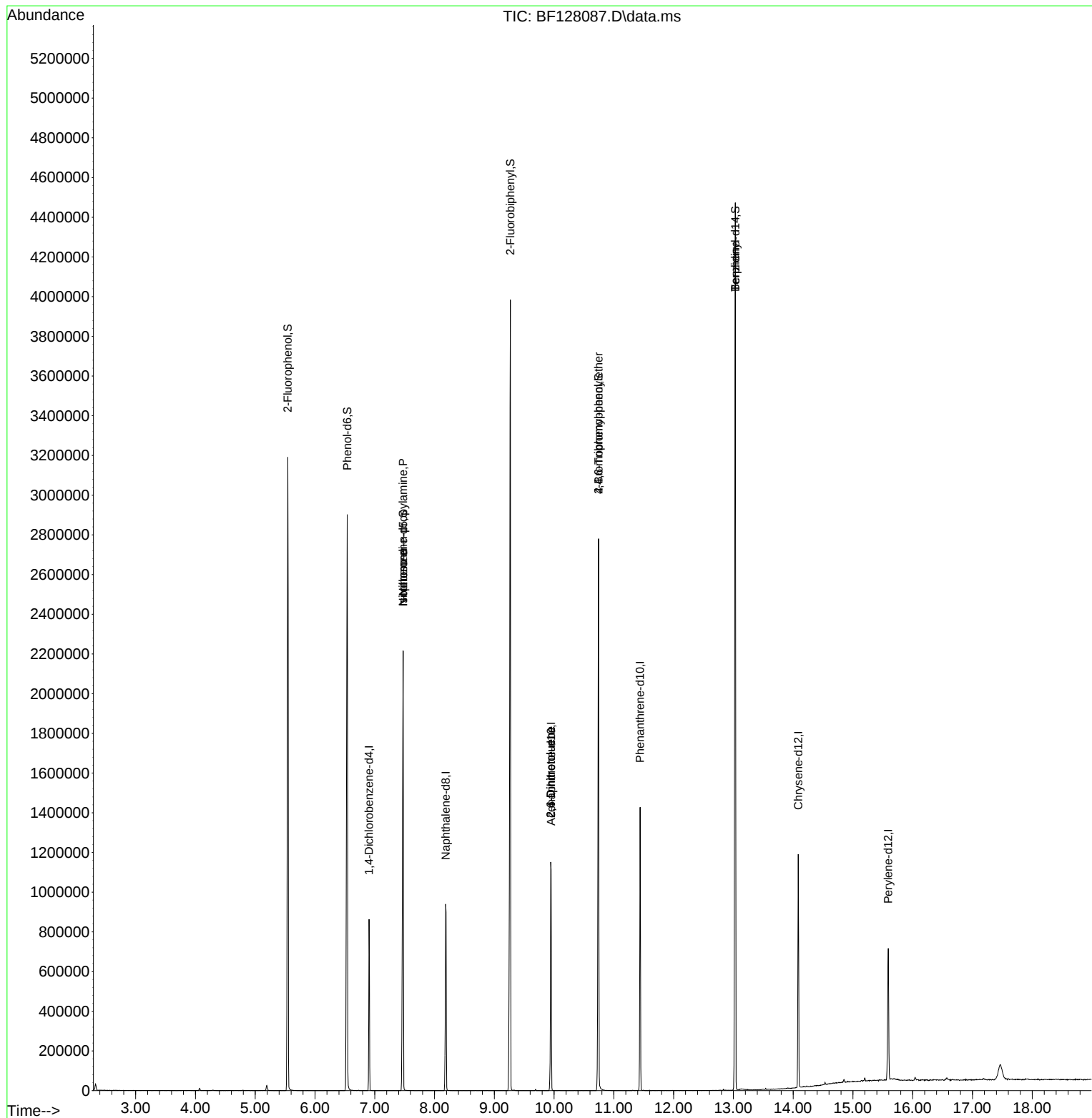
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.904  | 152  | 115095   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.186  | 136  | 460702   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.951  | 164  | 266204   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.439 | 188  | 491494   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.086 | 240  | 378490   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.592 | 264  | 305651   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.545  | 112  | 904540   | 125.178 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.539  | 99   | 1196726  | 127.634 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.475  | 82   | 853490   | 87.116  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.745 | 330  | 354477   | 132.278 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.269  | 172  | 1407701  | 89.460  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.033 | 244  | 1643240  | 79.388  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.475  | 70   | 117908   | 20.543  | ng    | # 80     |
| 25) Isophorone                | 7.475  | 82   | 851101   | 51.615  | ng    | # 68     |
| 51) 2,6-Dinitrotoluene        | 9.945  | 165  | 35020    | 9.060   | ng    | # 21     |
| 57) 2,4-Dinitrotoluene        | 9.945  | 165  | 35020    | 6.840   | ng    | # 25     |
| 67) 4-Bromophenyl-phenylether | 10.745 | 248  | 21831    | 4.007   | ng    | # 1      |
| 77) Benzidine                 | 13.033 | 184  | 23066    | 3.221   | ng    | # 95     |
| -----                         |        |      |          |         |       |          |

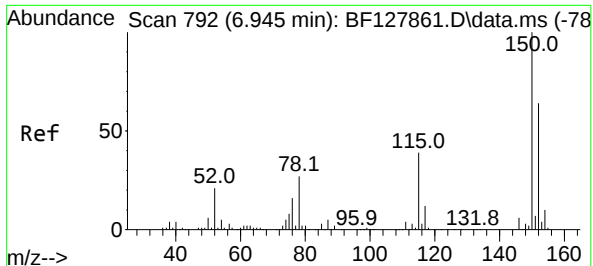
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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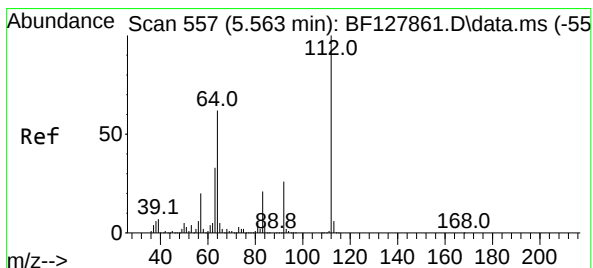
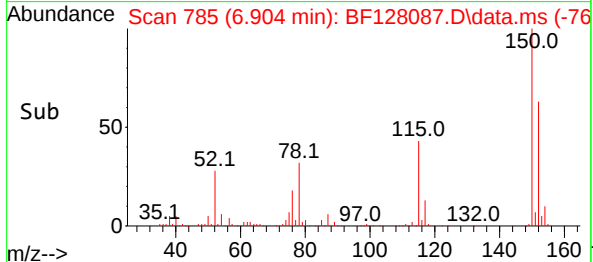
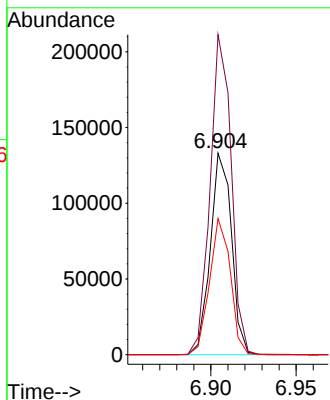
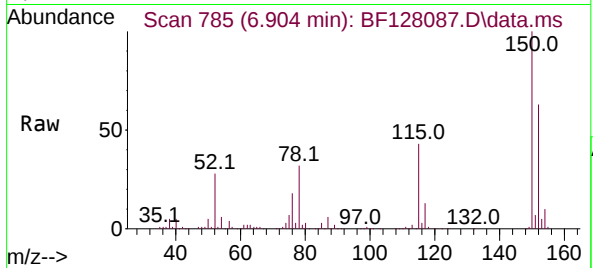




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.904 min Scan# 792  
Delta R.T. -0.006 min  
Lab File: BF128087.D  
Acq: 05 May 2022 11:02

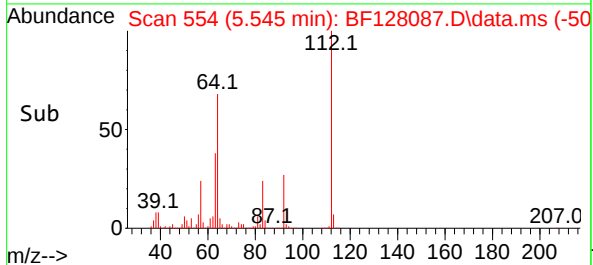
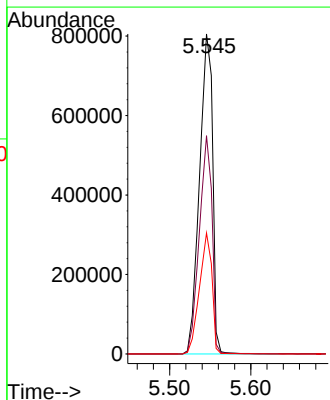
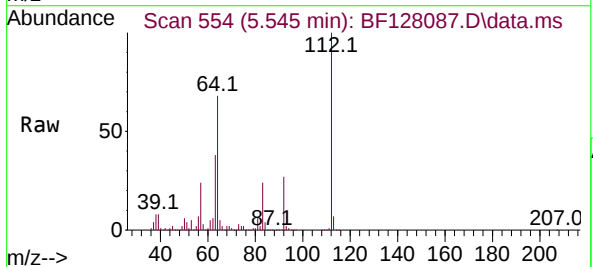
Instrument :  
BNA\_F  
ClientSampleId :  
PB144564BL

Tgt Ion:152 Resp: 115095  
Ion Ratio Lower Upper  
152 100  
150 158.9 125.3 187.9  
115 67.6 48.8 73.2



#5  
2-Fluorophenol  
Concen: 125.178 ng  
RT: 5.545 min Scan# 554  
Delta R.T. 0.012 min  
Lab File: BF128087.D  
Acq: 05 May 2022 11:02

Tgt Ion:112 Resp: 904540  
Ion Ratio Lower Upper  
112 100  
64 68.2 49.5 74.3  
63 37.8 26.3 39.5

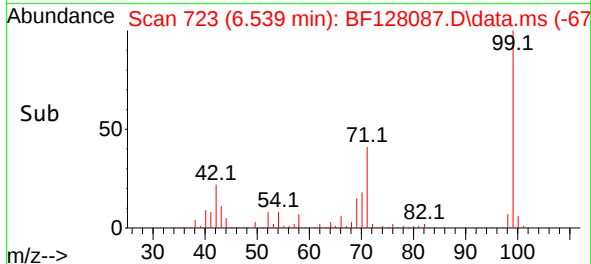
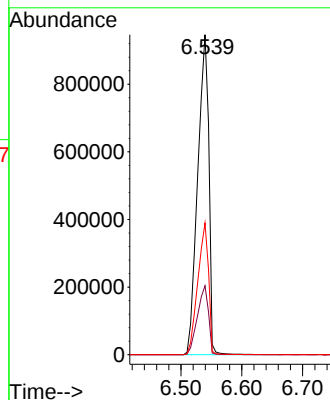
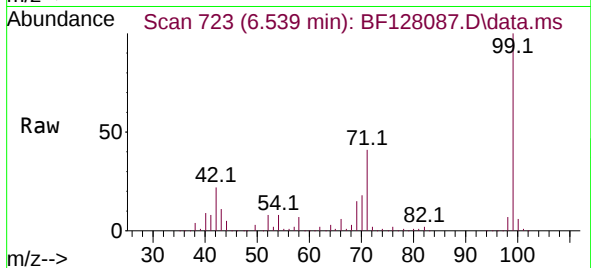




#7  
Phenol-d6  
Concen: 127.634 ng  
RT: 6.539 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF128087.D  
Acq: 05 May 2022 11:02

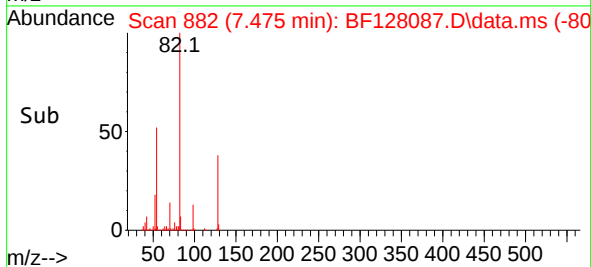
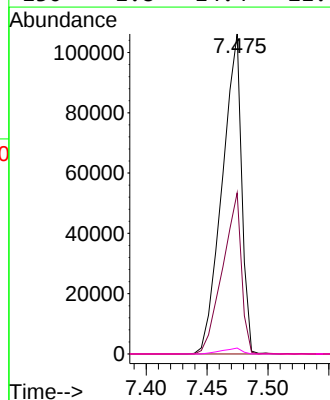
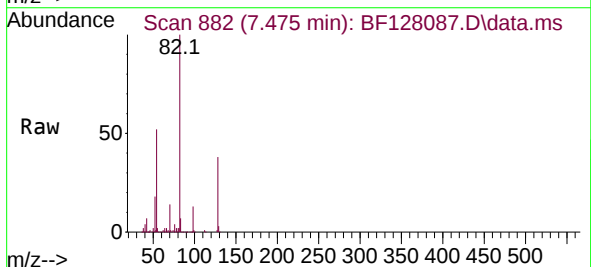
Instrument :  
BNA\_F  
ClientSampleId :  
PB144564BL

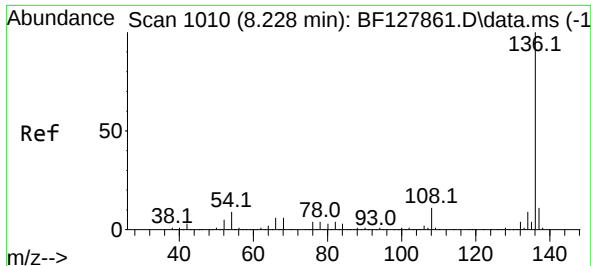
Tgt Ion: 99 Resp: 1196726  
Ion Ratio Lower Upper  
99 100  
42 21.6 16.6 24.8  
71 41.1 30.0 45.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 20.543 ng  
RT: 7.475 min Scan# 882  
Delta R.T. 0.147 min  
Lab File: BF128087.D  
Acq: 05 May 2022 11:02

Tgt Ion: 70 Resp: 117908  
Ion Ratio Lower Upper  
70 100  
42 50.4 48.7 73.1  
101 0.0 7.2 10.8#  
130 1.8 14.4 21.6#

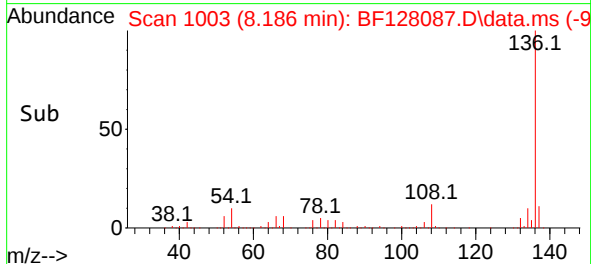
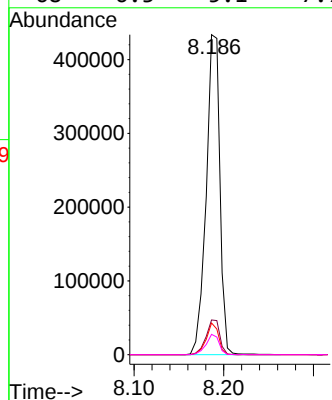
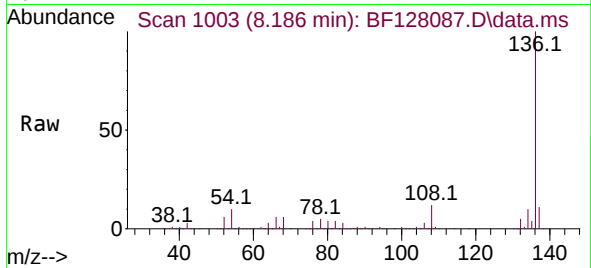




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.186 min Scan# 1010  
Delta R.T. -0.012 min  
Lab File: BF128087.D  
Acq: 05 May 2022 11:02

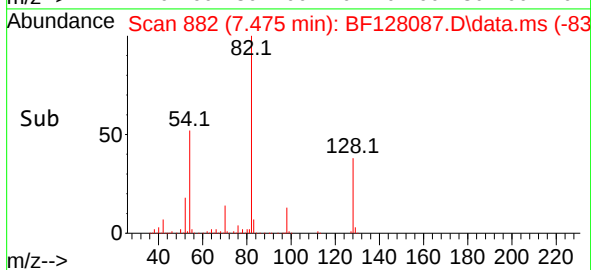
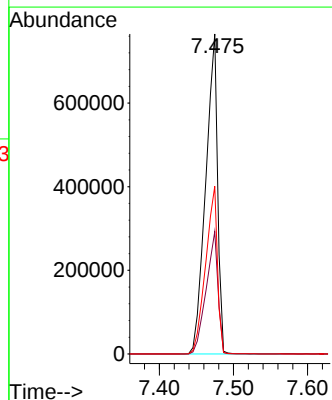
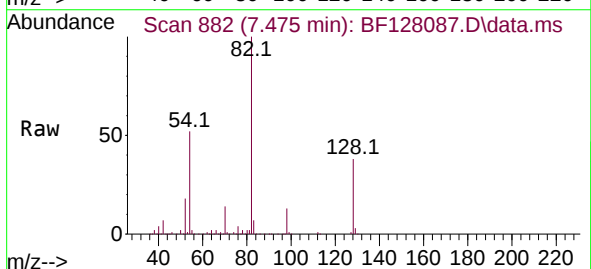
Instrument :  
BNA\_F  
ClientSampleId :  
PB144564BL

|             |              |
|-------------|--------------|
| Tgt Ion:136 | Resp: 460702 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.9    | 8.6 13.0     |
| 54 9.9      | 6.8 10.2     |
| 68 6.3      | 5.1 7.7      |



#23  
Nitrobenzene-d5  
Concen: 87.116 ng  
RT: 7.475 min Scan# 882  
Delta R.T. -0.006 min  
Lab File: BF128087.D  
Acq: 05 May 2022 11:02

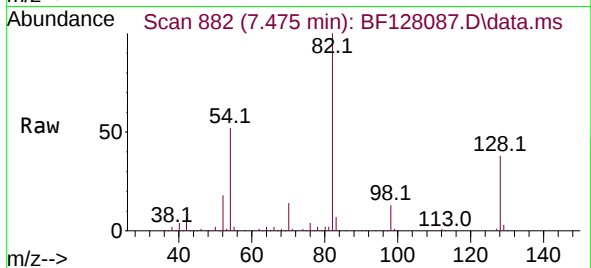
|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 853490 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 38.3    | 30.0 45.0    |
| 54 52.4     | 41.3 61.9    |



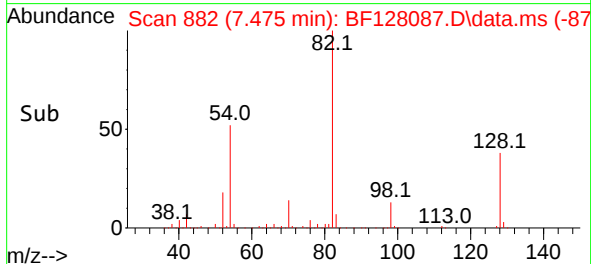
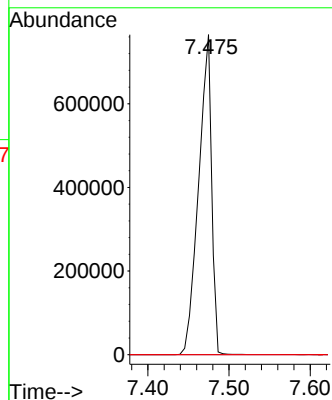


#25  
Isophorone  
Concen: 51.615 ng  
RT: 7.475 min Scan# 81  
Delta R.T. -0.265 min  
Lab File: BF128087.D  
Acq: 05 May 2022 11:02

Instrument :  
BNA\_F  
ClientSampleId :  
PB144564BL

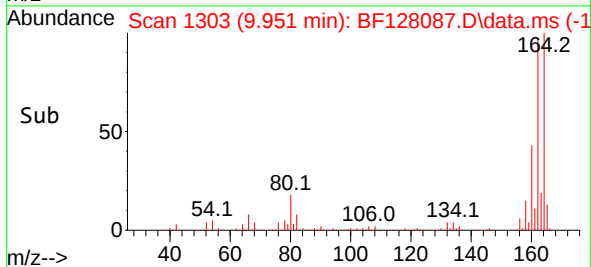
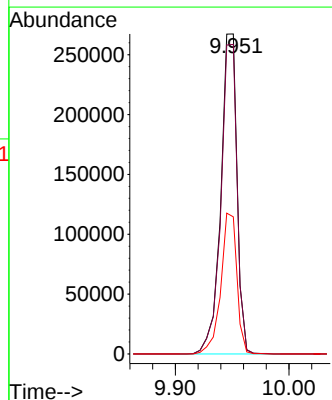
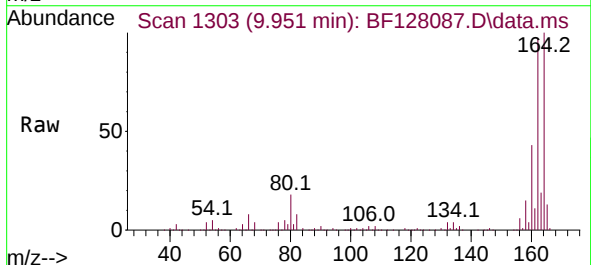


Tgt Ion: 82 Resp: 851101  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.6 8.4#  
138 0.0 12.5 18.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.951 min Scan# 1303  
Delta R.T. 0.000 min  
Lab File: BF128087.D  
Acq: 05 May 2022 11:02

Tgt Ion: 164 Resp: 266204  
Ion Ratio Lower Upper  
164 100  
162 96.8 76.0 114.0  
160 42.9 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 132.278 ng

RT: 10.745 min Scan# 1444

Delta R.T. 0.000 min

Lab File: BF128087.D

Acq: 05 May 2022 11:02

Instrument :

BNA\_F

ClientSampleId :

PB144564BL

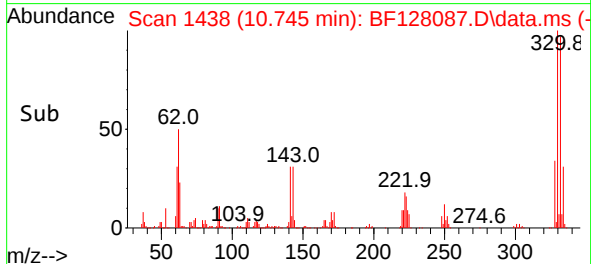
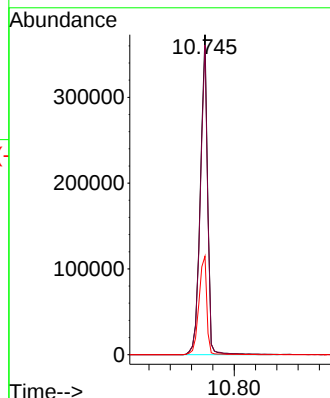
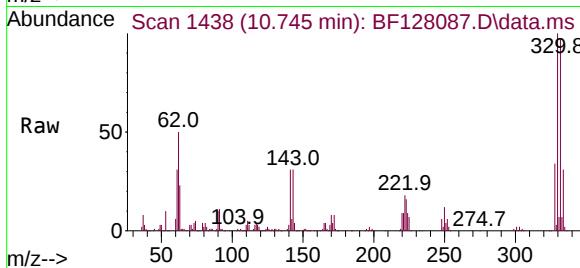
Tgt Ion:330 Resp: 354477

Ion Ratio Lower Upper

330 100

332 96.9 79.0 118.4

141 33.4 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 89.460 ng

RT: 9.269 min Scan# 1187

Delta R.T. 0.000 min

Lab File: BF128087.D

Acq: 05 May 2022 11:02

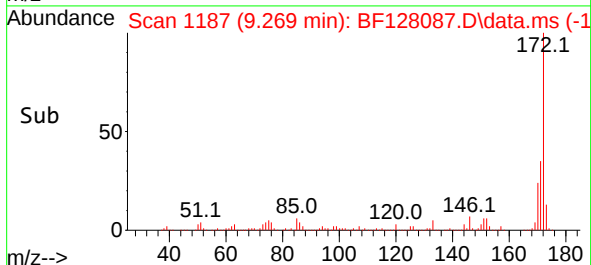
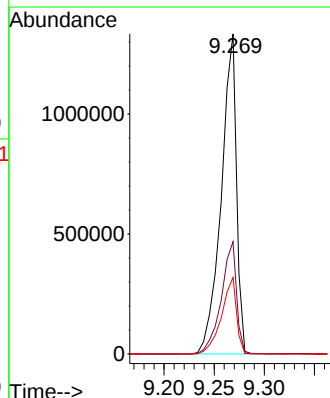
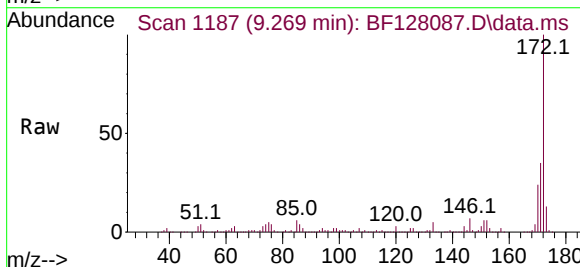
Tgt Ion:172 Resp: 1407701

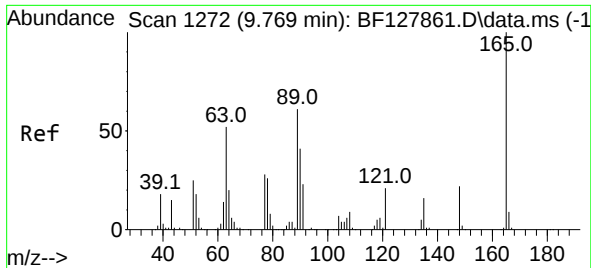
Ion Ratio Lower Upper

172 100

171 35.1 28.6 42.8

170 23.9 19.1 28.7

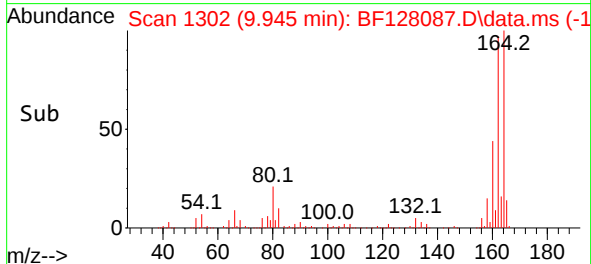
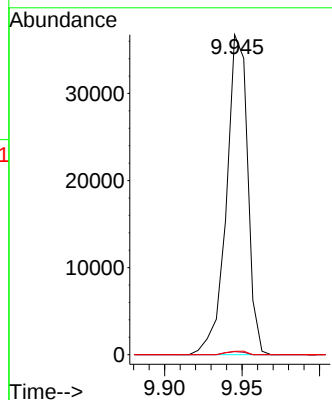
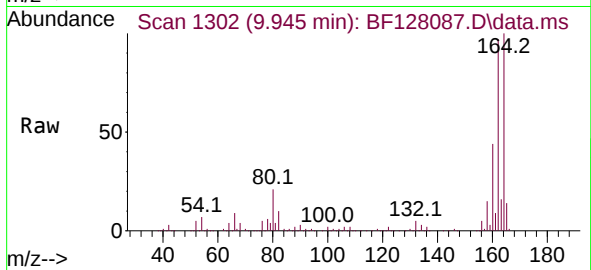




#51  
2,6-Dinitrotoluene  
Concen: 9.060 ng  
RT: 9.945 min Scan# 11  
Delta R.T. 0.206 min  
Lab File: BF128087.D  
Acq: 05 May 2022 11:02

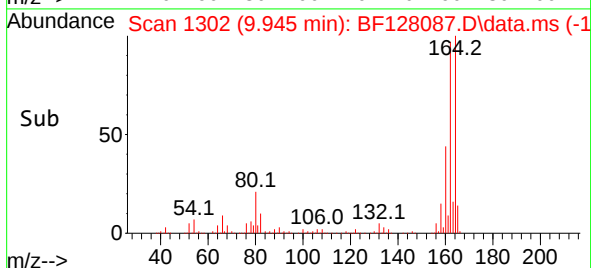
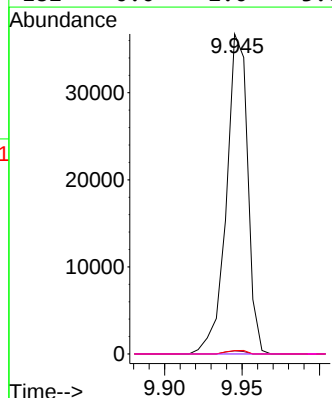
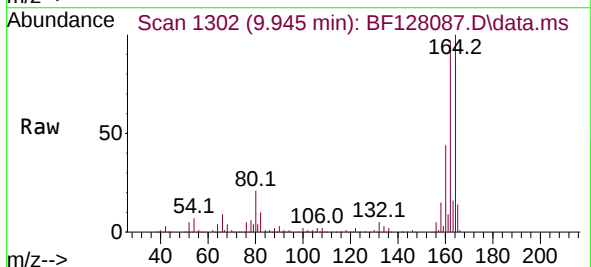
Instrument :  
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ClientSampleId :  
PB144564BL

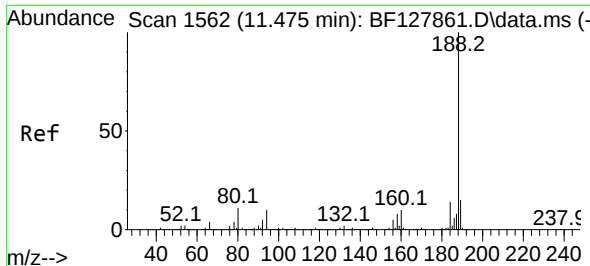
Tgt Ion:165 Resp: 35020  
Ion Ratio Lower Upper  
165 100  
63 1.0 49.5 74.3#  
89 1.1 49.0 73.4#



#57  
2,4-Dinitrotoluene  
Concen: 6.840 ng  
RT: 9.945 min Scan# 1302  
Delta R.T. -0.200 min  
Lab File: BF128087.D  
Acq: 05 May 2022 11:02

Tgt Ion:165 Resp: 35020  
Ion Ratio Lower Upper  
165 100  
63 1.0 32.6 49.0#  
89 1.1 55.2 82.8#  
182 0.0 2.0 3.0#

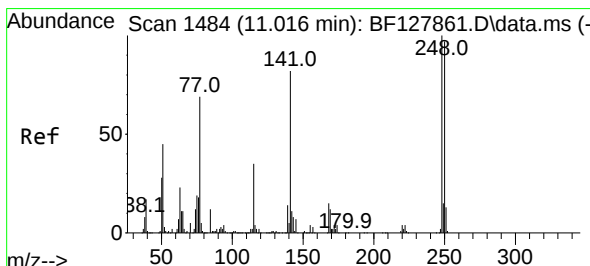
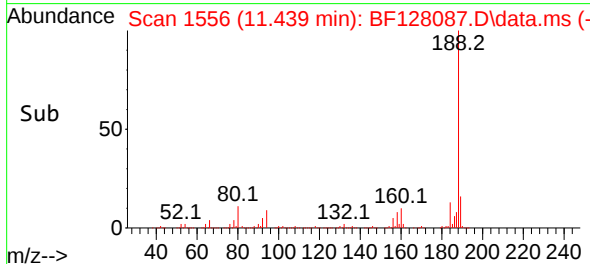
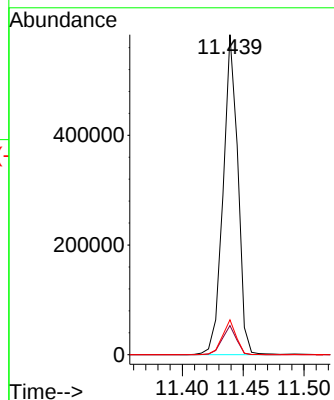
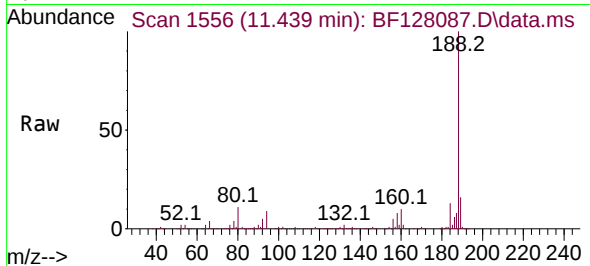




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.439 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BF128087.D  
Acq: 05 May 2022 11:02

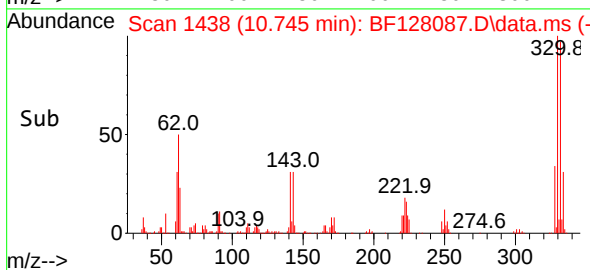
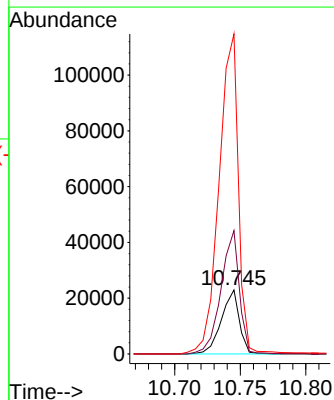
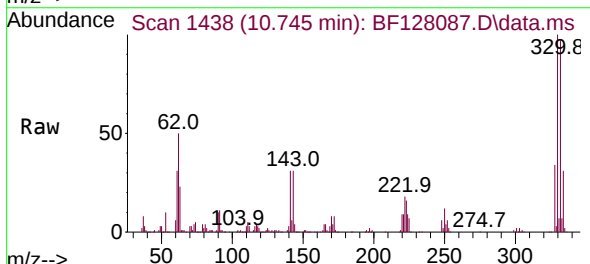
Instrument :  
BNA\_F  
ClientSampleId :  
PB144564BL

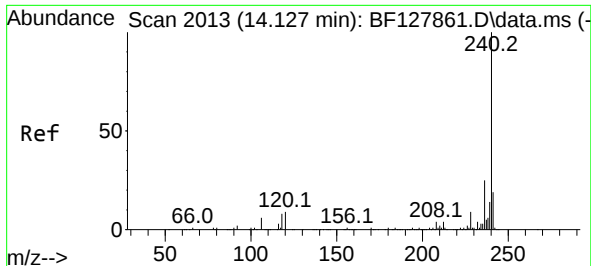
Tgt Ion:188 Resp: 491494  
Ion Ratio Lower Upper  
188 100  
94 9.1 8.0 12.0  
80 10.9 8.9 13.3



#67  
4-Bromophenyl-phenylether  
Concen: 4.007 ng  
RT: 10.745 min Scan# 1438  
Delta R.T. -0.241 min  
Lab File: BF128087.D  
Acq: 05 May 2022 11:02

Tgt Ion:248 Resp: 21831  
Ion Ratio Lower Upper  
248 100  
250 193.0 77.7 116.5#  
141 500.5 65.6 98.4#

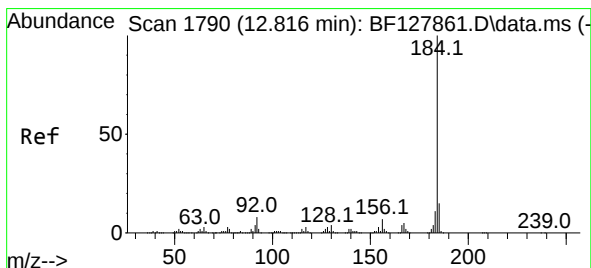
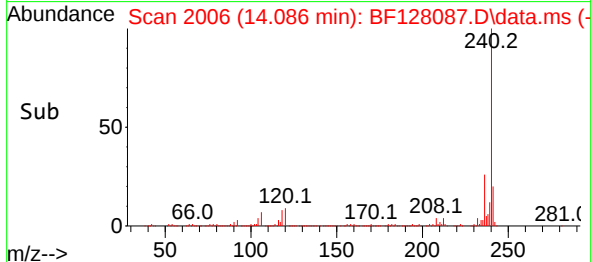
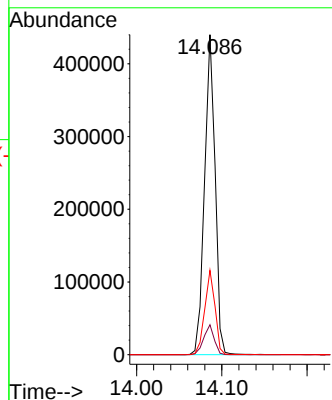
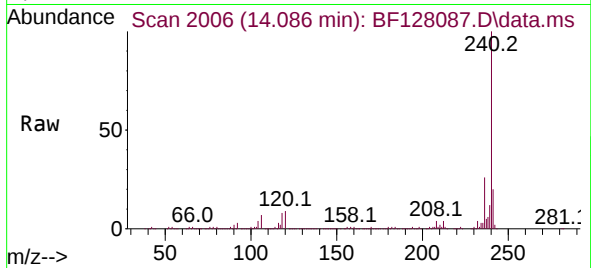




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.086 min Scan# 2013  
Delta R.T. -0.006 min  
Lab File: BF128087.D  
Acq: 05 May 2022 11:02

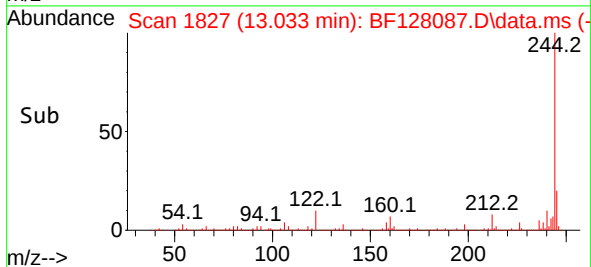
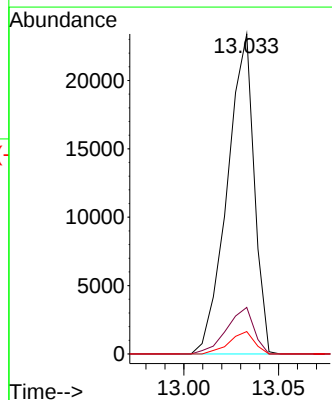
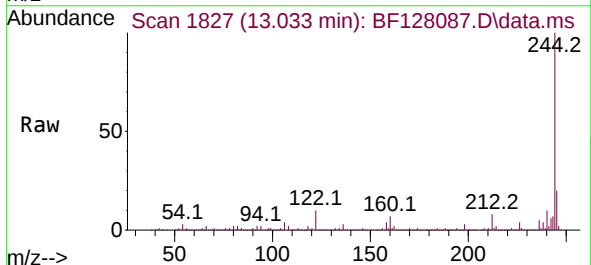
Instrument :  
BNA\_F  
ClientSampleId :  
PB144564BL

Tgt Ion:240 Resp: 378490  
Ion Ratio Lower Upper  
240 100  
120 9.3 7.0 10.6  
236 26.3 20.3 30.5



#77  
Benzidine  
Concen: 3.221 ng  
RT: 13.033 min Scan# 1827  
Delta R.T. 0.253 min  
Lab File: BF128087.D  
Acq: 05 May 2022 11:02

Tgt Ion:184 Resp: 23066  
Ion Ratio Lower Upper  
184 100  
185 14.6 12.1 18.1  
183 7.0 9.0 13.4

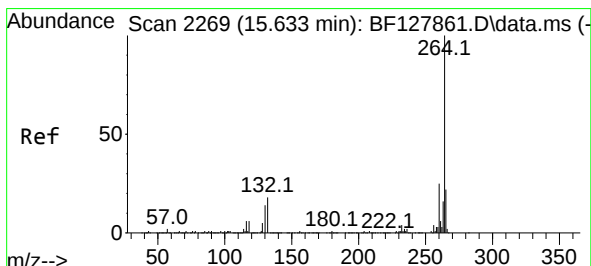
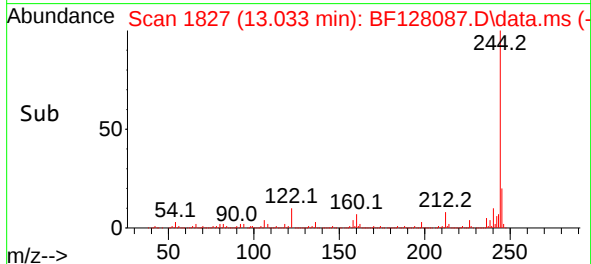
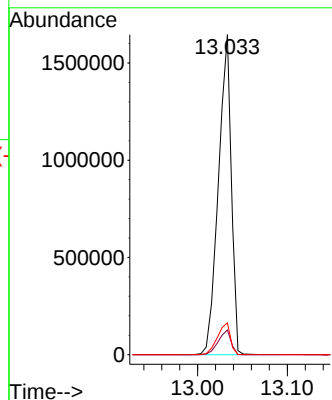
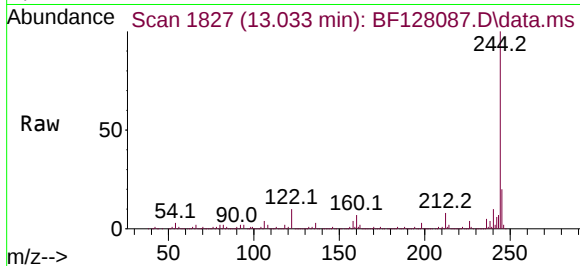




#79  
 Terphenyl-d14  
 Concen: 79.388 ng  
 RT: 13.033 min Scan# 1832  
 Delta R.T. 0.000 min  
 Lab File: BF128087.D  
 Acq: 05 May 2022 11:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB144564BL

Tgt Ion:244 Resp: 1643240  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 6.2 9.4  
 122 10.0 8.6 12.8



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.592 min Scan# 2262  
 Delta R.T. 0.000 min  
 Lab File: BF128087.D  
 Acq: 05 May 2022 11:02

Tgt Ion:264 Resp: 305651  
 Ion Ratio Lower Upper  
 264 100  
 260 23.6 20.1 30.1  
 265 20.9 17.5 26.3

