

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF021125\  
 Data File : BF141563.D  
 Acq On : 11 Feb 2025 15:49  
 Operator : RC/JU  
 Sample : Q1309-12  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-4

Quant Time: Feb 11 16:18:32 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

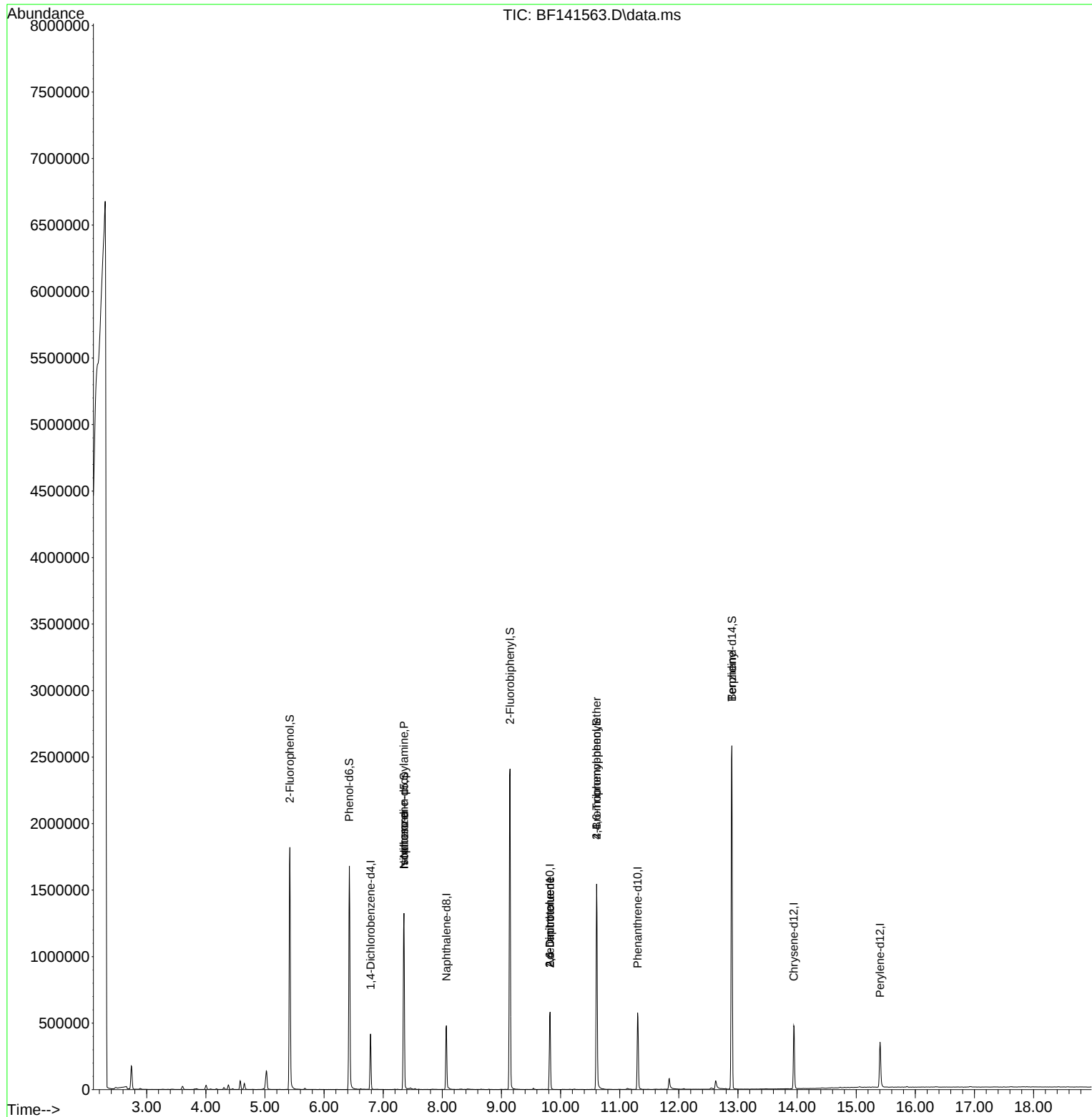
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.786  | 152  | 83549    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.069  | 136  | 328448   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.822  | 164  | 180579   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.304 | 188  | 312210   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 13.945 | 240  | 247673   | 20.000  | ng    | -0.02    |
| 86) Perylene-d12              | 15.404 | 264  | 211847   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.422  | 112  | 674627   | 126.589 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.428  | 99   | 763511   | 113.352 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.351  | 82   | 598275   | 95.007  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.610 | 330  | 256671   | 141.495 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl          | 9.145  | 172  | 1107848  | 94.518  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.898 | 244  | 1321071  | 90.046  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.351  | 70   | 80872    | 20.072  | ng    | # 74     |
| 25) Isophorone                | 7.351  | 82   | 583237   | 58.088  | ng    | # 66     |
| 51) 2,6-Dinitrotoluene        | 9.822  | 165  | 24151    | 9.012   | ng    | # 23     |
| 57) 2,4-Dinitrotoluene        | 9.822  | 165  | 24151    | 6.770   | ng    | # 19     |
| 67) 4-Bromophenyl-phenylether | 10.610 | 248  | 17742    | 5.085   | ng    | # 1      |
| 77) Benzidine                 | 12.898 | 184  | 17102    | 3.131   | ng    | # 92     |
| -----                         |        |      |          |         |       |          |

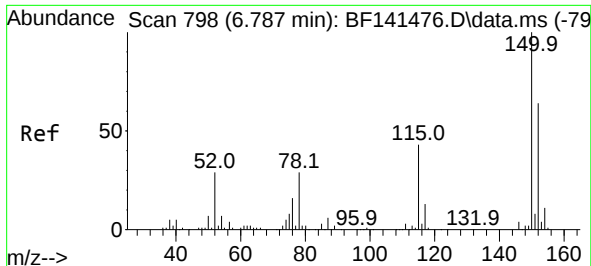
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 14 Sample Multiplier: 1

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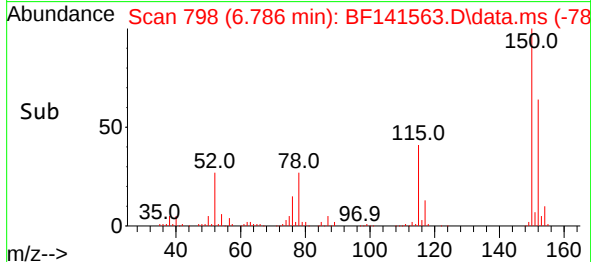
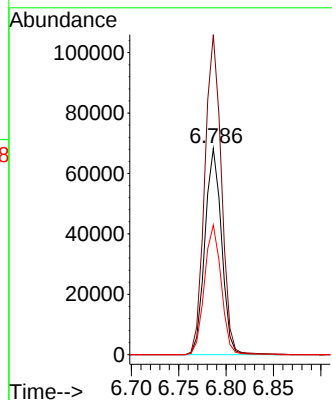
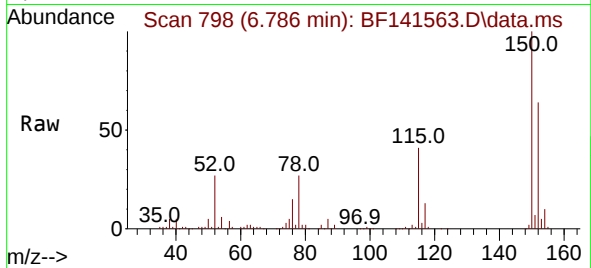




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.786 min Scan# 798  
Delta R.T. -0.006 min  
Lab File: BF141563.D  
Acq: 11 Feb 2025 15:49

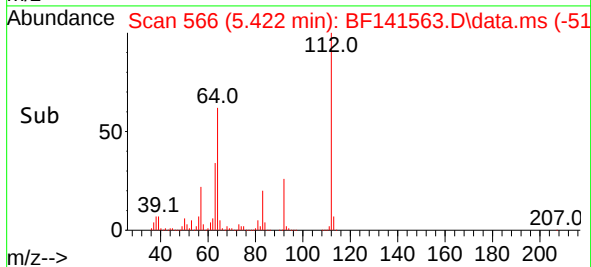
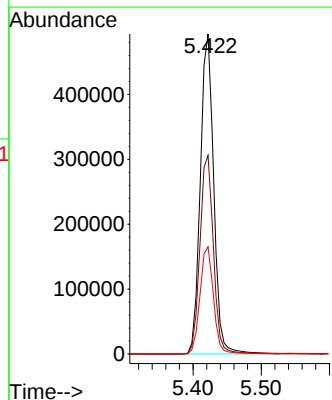
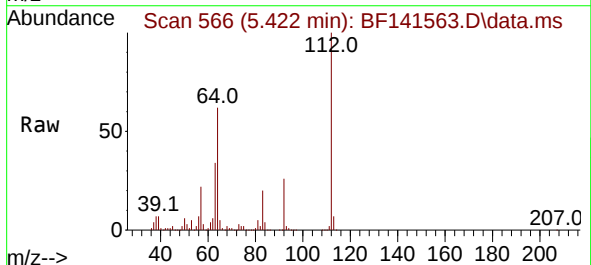
Instrument :  
BNA\_F  
ClientSampleId :  
WC-4

Tgt Ion:152 Resp: 83549  
Ion Ratio Lower Upper  
152 100  
150 155.2 125.0 187.4  
115 62.9 53.6 80.4



#5  
2-Fluorophenol  
Concen: 126.589 ng  
RT: 5.422 min Scan# 566  
Delta R.T. 0.012 min  
Lab File: BF141563.D  
Acq: 11 Feb 2025 15:49

Tgt Ion:112 Resp: 674627  
Ion Ratio Lower Upper  
112 100  
64 62.1 51.1 76.7  
63 33.5 28.4 42.6

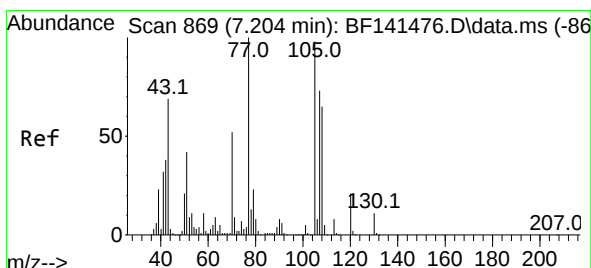
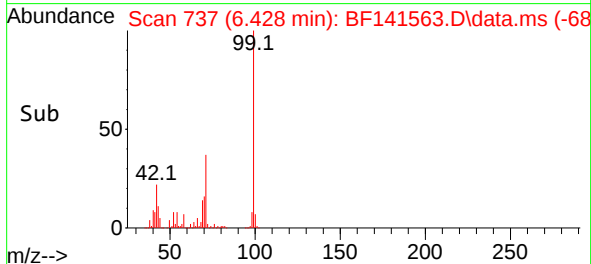
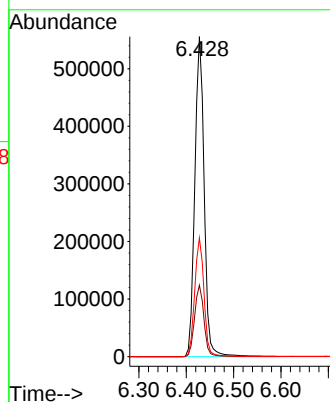
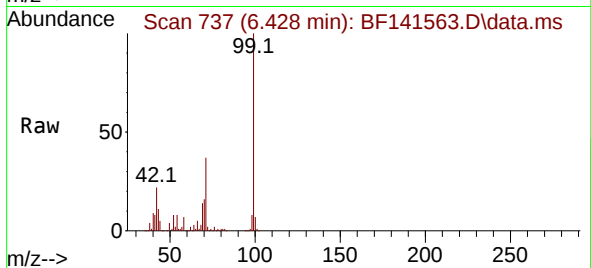




#7  
Phenol-d6  
Concen: 113.352 ng  
RT: 6.428 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF141563.D  
Acq: 11 Feb 2025 15:49

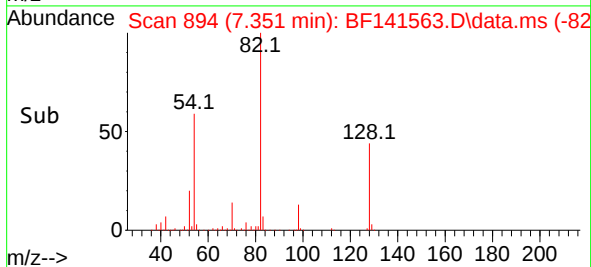
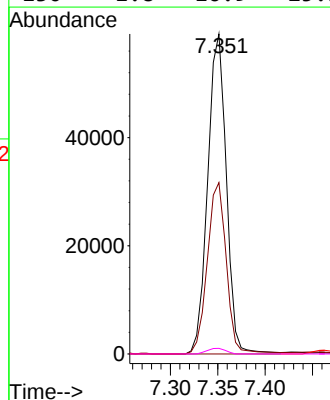
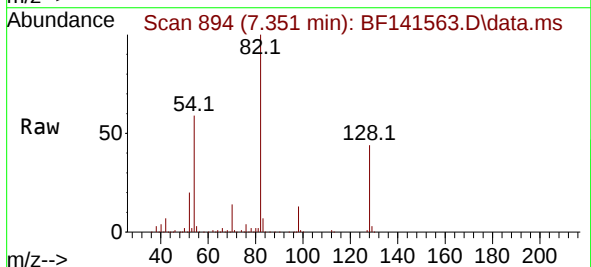
Instrument :  
BNA\_F  
ClientSampleId :  
WC-4

Tgt Ion: 99 Resp: 763511  
Ion Ratio Lower Upper  
99 100  
42 22.3 19.1 28.7  
71 37.1 31.1 46.7



#19  
n-Nitroso-di-n-propylamine  
Concen: 20.072 ng  
RT: 7.351 min Scan# 894  
Delta R.T. 0.135 min  
Lab File: BF141563.D  
Acq: 11 Feb 2025 15:49

Tgt Ion: 70 Resp: 80872  
Ion Ratio Lower Upper  
70 100  
42 53.6 57.4 86.2#  
101 0.0 8.0 12.0#  
130 1.8 16.9 25.3#

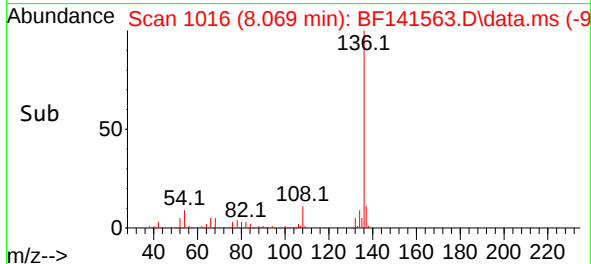
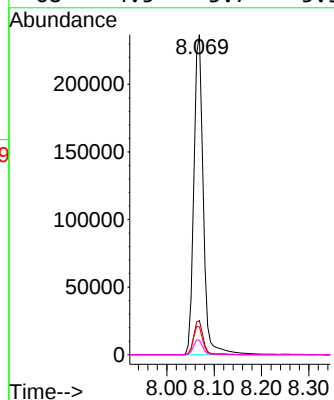
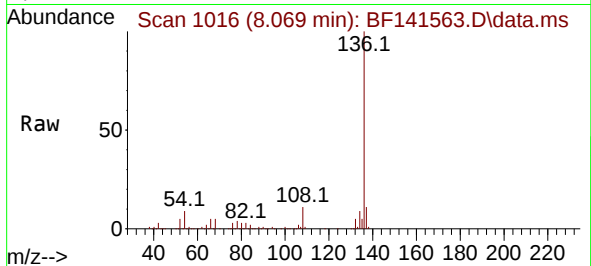




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.069 min Scan# 1016  
Delta R.T. -0.006 min  
Lab File: BF141563.D  
Acq: 11 Feb 2025 15:49

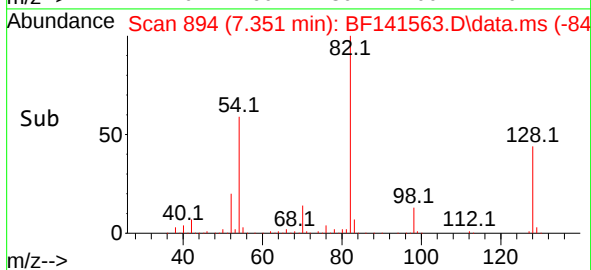
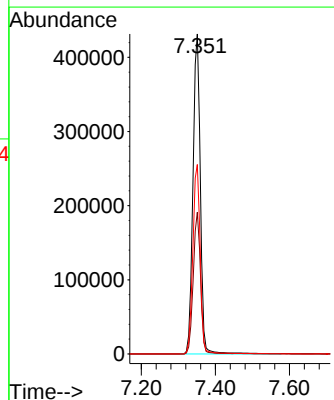
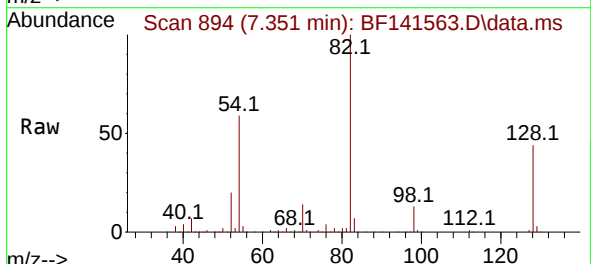
Instrument :  
BNA\_F  
ClientSampleId :  
WC-4

| Tgt Ion:136 | Resp: 328448 |       |       |
|-------------|--------------|-------|-------|
| Ion         | Ratio        | Lower | Upper |
| 136         | 100          |       |       |
| 137         | 10.6         | 8.6   | 13.0  |
| 54          | 8.7          | 7.2   | 10.8  |
| 68          | 4.5          | 3.7   | 5.5   |



#23  
Nitrobenzene-d5  
Concen: 95.007 ng  
RT: 7.351 min Scan# 894  
Delta R.T. -0.012 min  
Lab File: BF141563.D  
Acq: 11 Feb 2025 15:49

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 598275 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 44.3    | 34.8 52.2    |
| 54 59.2     | 48.2 72.4    |

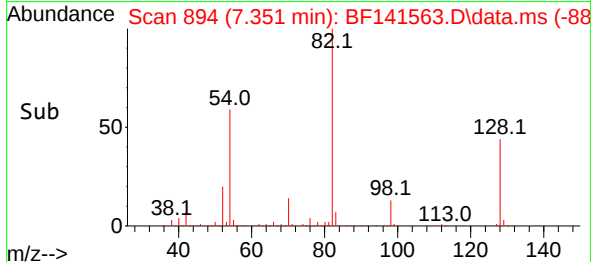
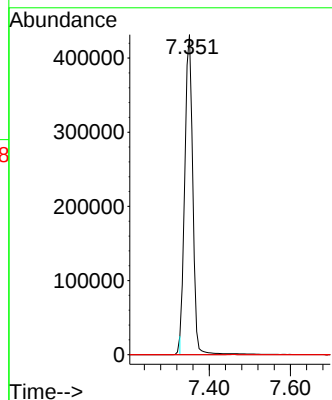
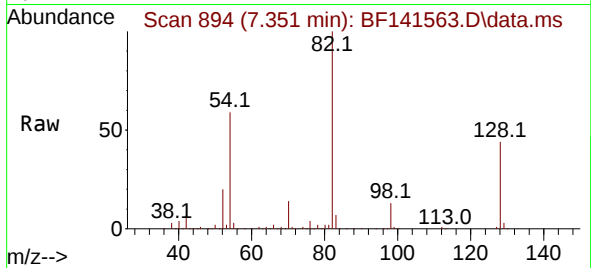




#25  
Isophorone  
Concen: 58.088 ng  
RT: 7.351 min Scan# 894  
Delta R.T. -0.271 min  
Lab File: BF141563.D  
Acq: 11 Feb 2025 15:49

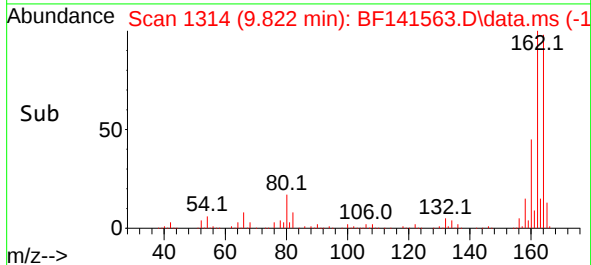
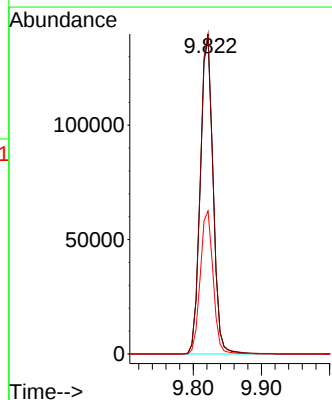
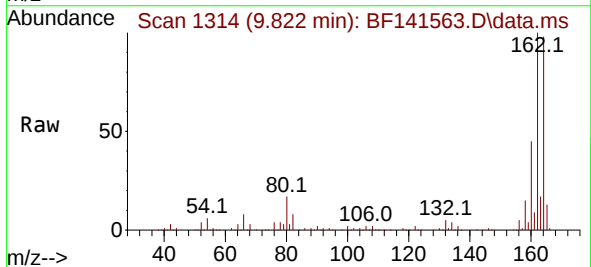
Instrument :  
BNA\_F  
ClientSampleId :  
WC-4

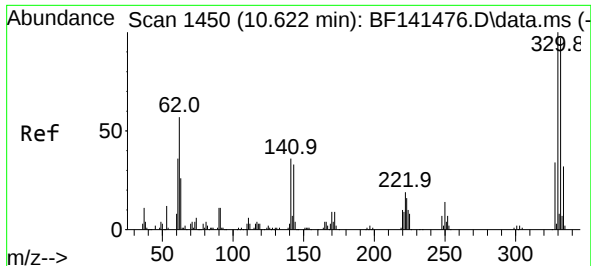
Tgt Ion: 82 Resp: 583237  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.4 9.6#  
138 0.0 13.9 20.9#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.822 min Scan# 1314  
Delta R.T. -0.012 min  
Lab File: BF141563.D  
Acq: 11 Feb 2025 15:49

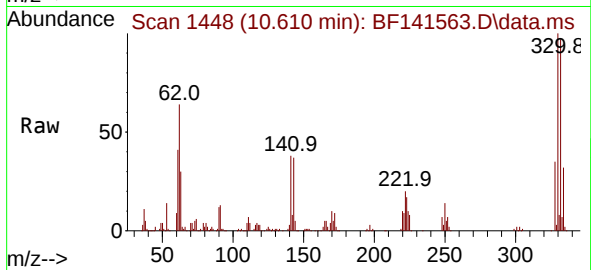
Tgt Ion:164 Resp: 180579  
Ion Ratio Lower Upper  
164 100  
162 101.5 81.3 121.9  
160 45.4 35.9 53.9



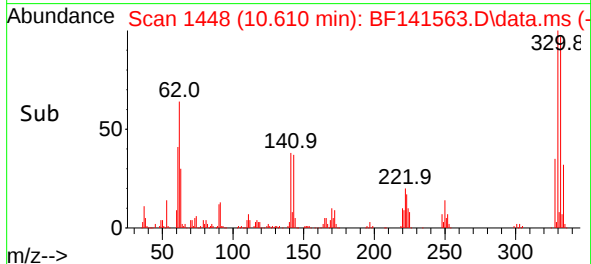
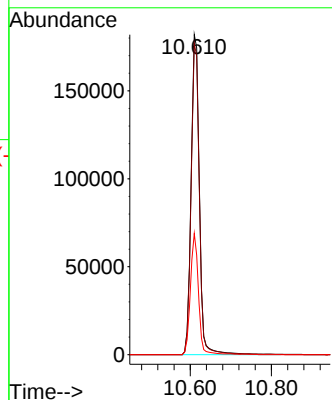


#42  
2,4,6-Tribromophenol  
Concen: 141.495 ng  
RT: 10.610 min Scan# 1448  
Delta R.T. -0.018 min  
Lab File: BF141563.D  
Acq: 11 Feb 2025 15:49

Instrument :  
BNA\_F  
ClientSampleId :  
WC-4

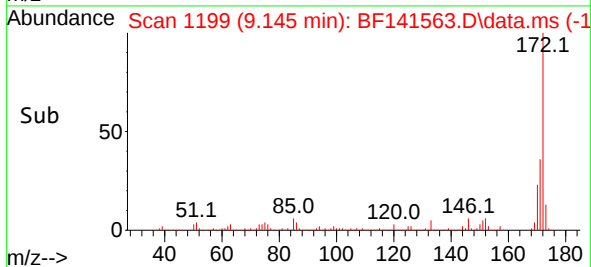
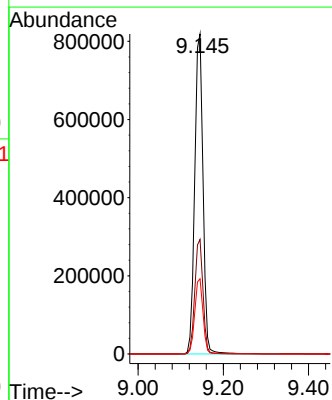
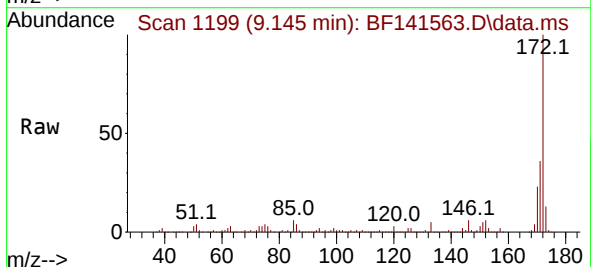


Tgt Ion:330 Resp: 256671  
Ion Ratio Lower Upper  
330 100  
332 96.8 78.5 117.7  
141 36.9 31.0 46.4



#45  
2-Fluorobiphenyl  
Concen: 94.518 ng  
RT: 9.145 min Scan# 1199  
Delta R.T. -0.006 min  
Lab File: BF141563.D  
Acq: 11 Feb 2025 15:49

Tgt Ion:172 Resp: 1107848  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.7 43.1  
170 23.5 18.9 28.3

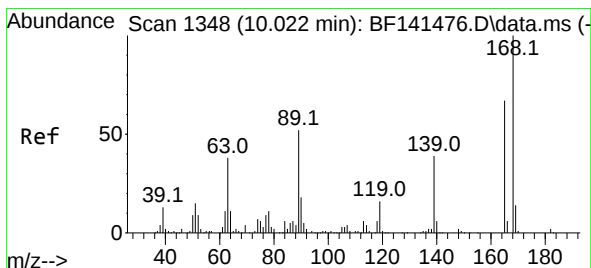
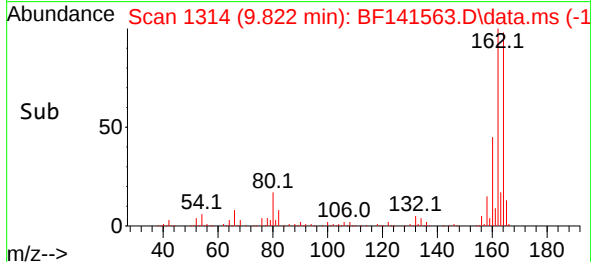
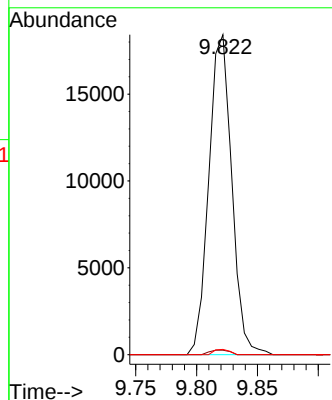
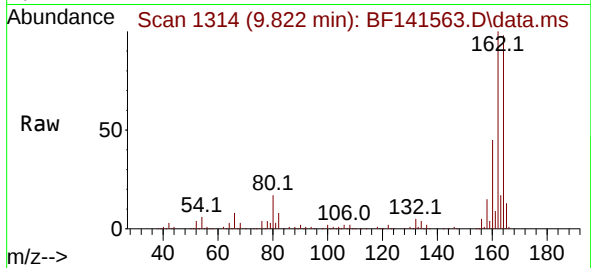




#51  
2,6-Dinitrotoluene  
Concen: 9.012 ng  
RT: 9.822 min Scan# 1314  
Delta R.T. 0.200 min  
Lab File: BF141563.D  
Acq: 11 Feb 2025 15:49

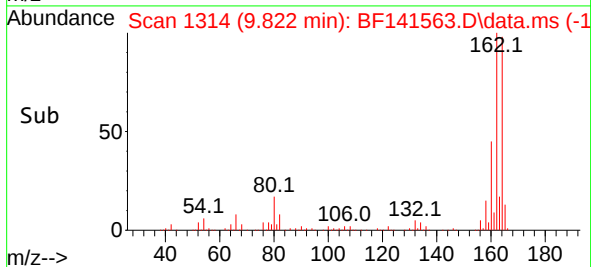
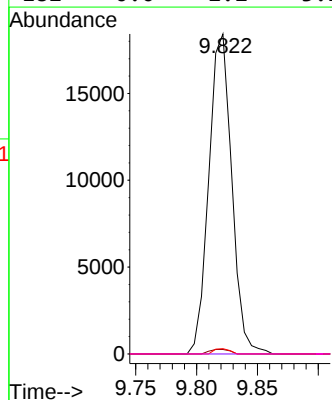
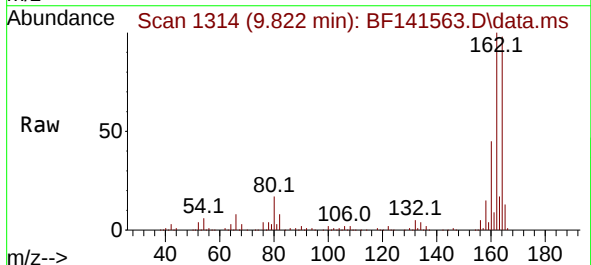
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BNA\_F  
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WC-4

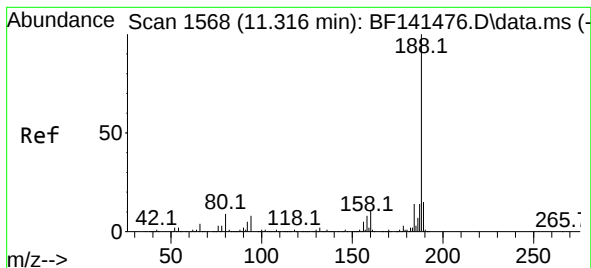
Tgt Ion:165 Resp: 24151  
Ion Ratio Lower Upper  
165 100  
63 1.4 49.4 74.0#  
89 1.6 46.5 69.7#



#57  
2,4-Dinitrotoluene  
Concen: 6.770 ng  
RT: 9.822 min Scan# 1314  
Delta R.T. -0.206 min  
Lab File: BF141563.D  
Acq: 11 Feb 2025 15:49

Tgt Ion:165 Resp: 24151  
Ion Ratio Lower Upper  
165 100  
63 1.4 46.4 69.6#  
89 1.6 61.8 92.6#  
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141563.D

Acq: 11 Feb 2025 15:49

Instrument :

BNA\_F

ClientSampleId :

WC-4

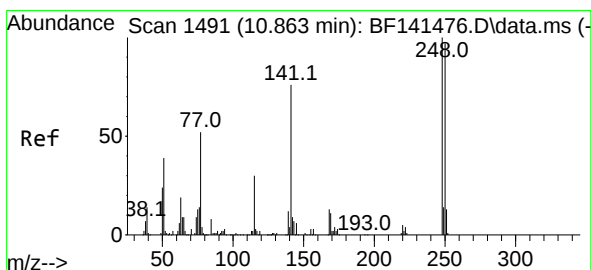
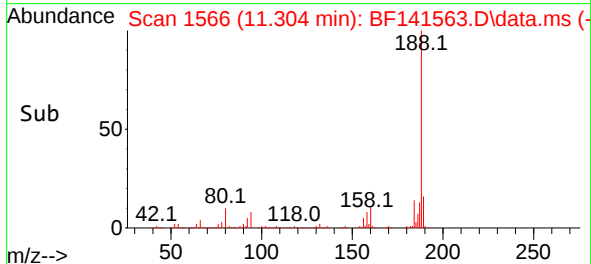
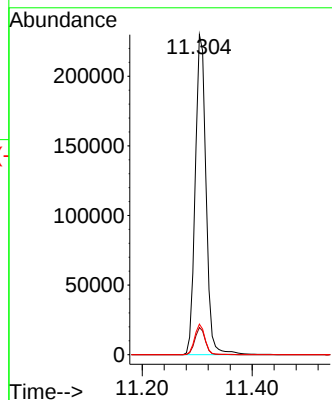
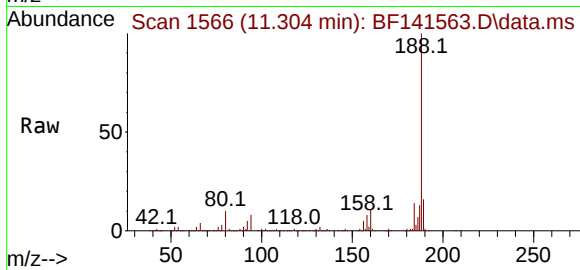
Tgt Ion:188 Resp: 312210

Ion Ratio Lower Upper

188 100

94 8.5 6.6 10.0

80 9.5 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 5.085 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.253 min

Lab File: BF141563.D

Acq: 11 Feb 2025 15:49

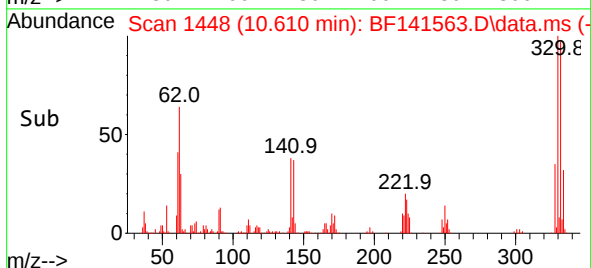
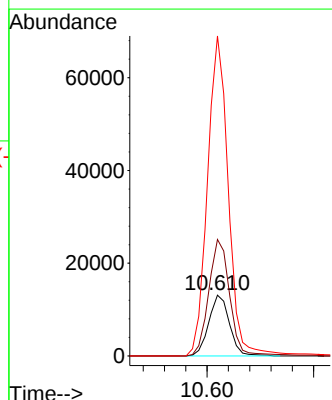
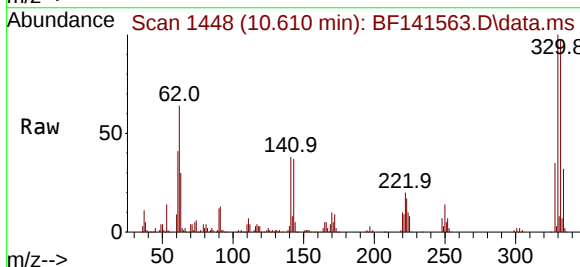
Tgt Ion:248 Resp: 17742

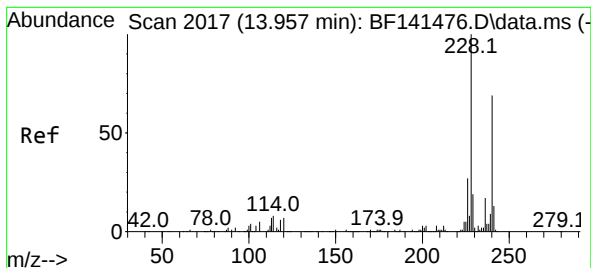
Ion Ratio Lower Upper

248 100

250 191.4 77.8 116.6#

141 525.7 60.6 90.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.945 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF141563.D

Acq: 11 Feb 2025 15:49

Instrument :

BNA\_F

ClientSampleId :

WC-4

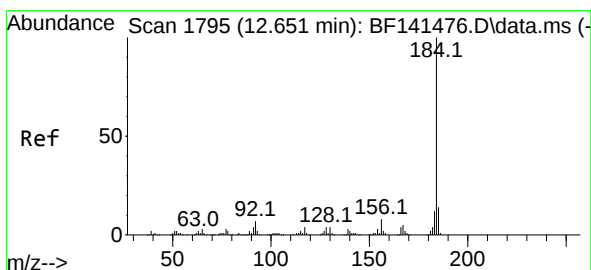
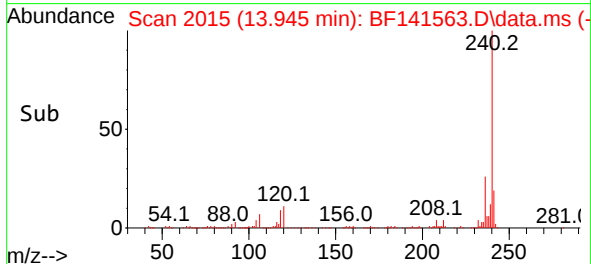
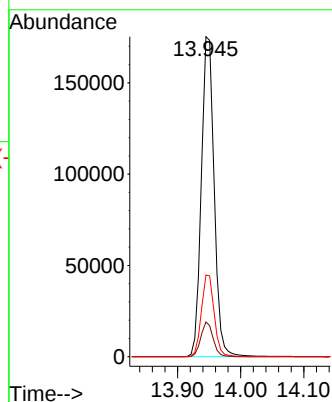
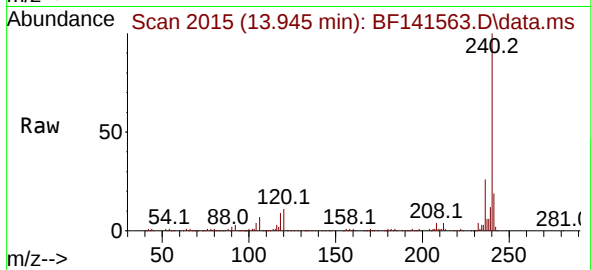
Tgt Ion:240 Resp: 247673

Ion Ratio Lower Upper

240 100

120 10.8 8.0 12.0

236 25.5 19.8 29.8



#77

Benzdine

Concen: 3.131 ng

RT: 12.898 min Scan# 1837

Delta R.T. 0.241 min

Lab File: BF141563.D

Acq: 11 Feb 2025 15:49

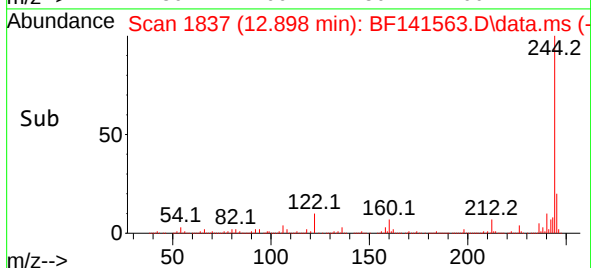
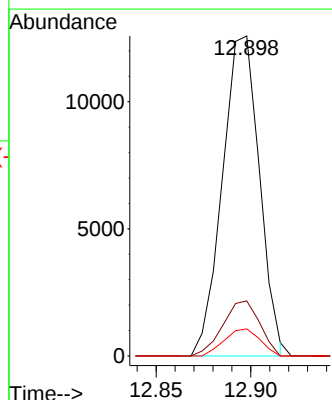
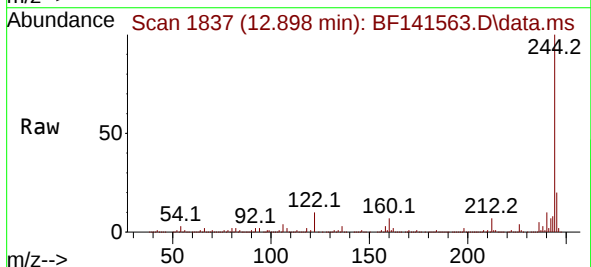
Tgt Ion:184 Resp: 17102

Ion Ratio Lower Upper

184 100

185 17.2 11.3 16.9#

183 8.5 9.3 13.9#

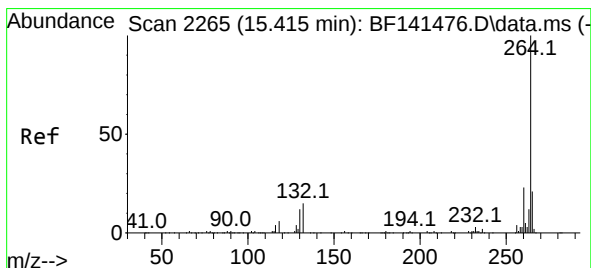
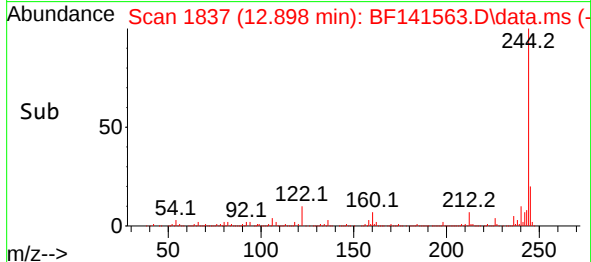
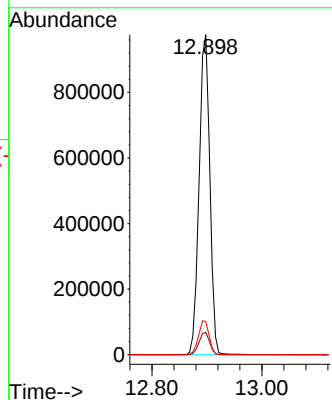
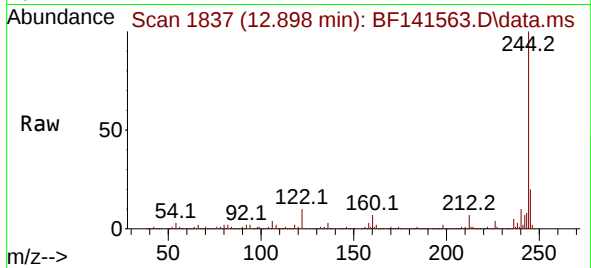




#79  
Terphenyl-d14  
Concen: 90.046 ng  
RT: 12.898 min Scan# 1837  
Delta R.T. -0.006 min  
Lab File: BF141563.D  
Acq: 11 Feb 2025 15:49

Instrument :  
BNA\_F  
ClientSampleId :  
WC-4

Tgt Ion:244 Resp: 1321071  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.6 8.4  
122 10.3 8.4 12.6



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.404 min Scan# 2263  
Delta R.T. -0.012 min  
Lab File: BF141563.D  
Acq: 11 Feb 2025 15:49

Tgt Ion:264 Resp: 211847  
Ion Ratio Lower Upper  
264 100  
260 23.3 18.6 28.0  
265 21.1 17.0 25.4

