

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG110322\  
 Data File : BG055441.D  
 Acq On : 3 Nov 2022 17:19  
 Operator : CG/JU  
 Sample : N5404-02  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 551B-4

Quant Time: Nov 03 18:34:51 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG110122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 02 05:05:12 2022  
 Response via : Initial Calibration

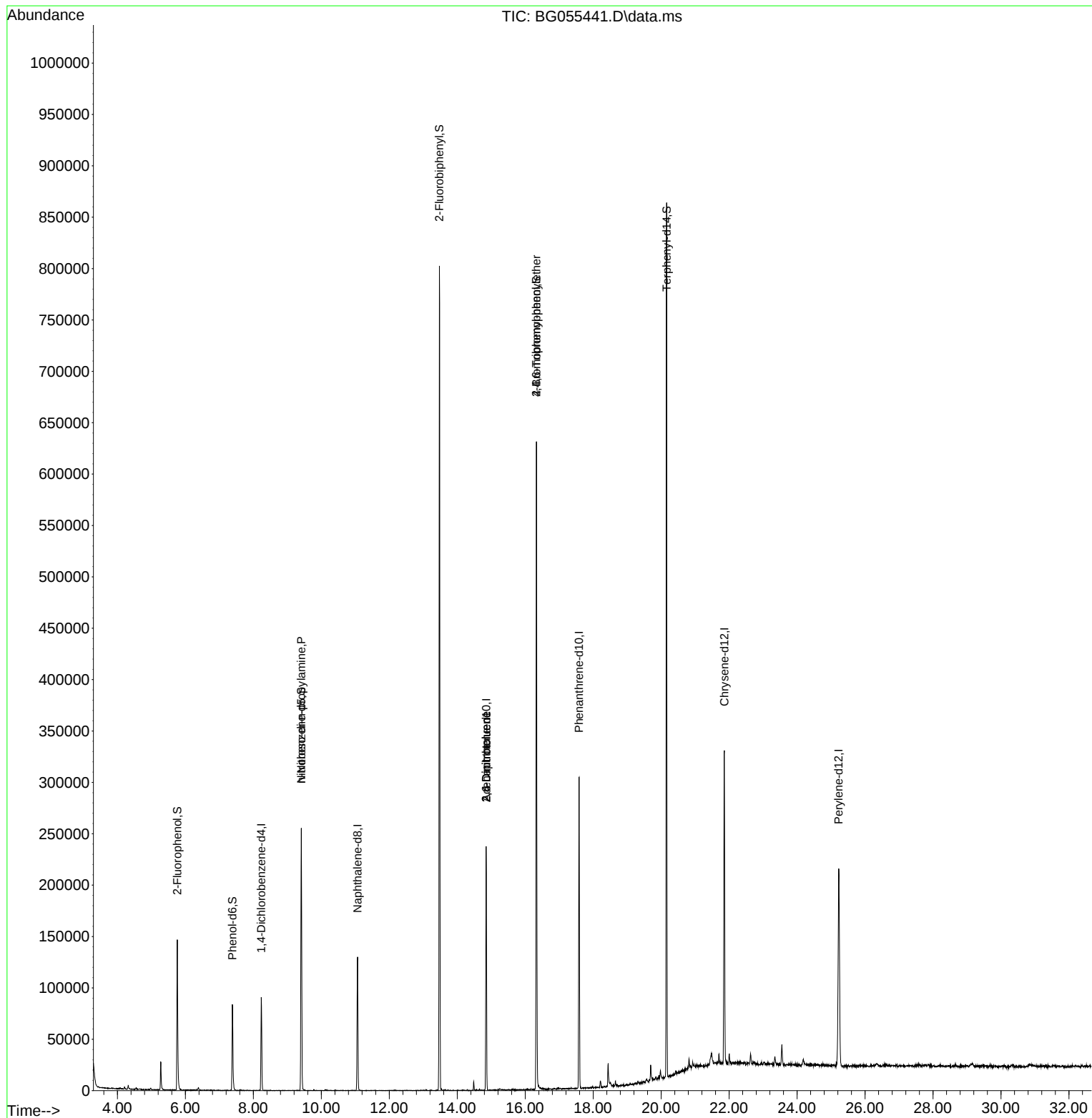
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.235  | 152  | 28571    | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 11.067 | 136  | 118352   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.850 | 164  | 85982    | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.583 | 188  | 198221   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 21.860 | 240  | 204472   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 25.226 | 264  | 219494   | 20.000  | ng    | -0.02    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.761  | 112  | 75554    | 47.490  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.383  | 99   | 58634    | 26.576  | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 9.410  | 82   | 162529   | 73.188  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 16.331 | 330  | 135308   | 115.370 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 13.476 | 172  | 416976   | 71.902  | ng    | -0.01    |
| 79) Terphenyl-d14             | 20.162 | 244  | 441856   | 42.021  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 9.410  | 70   | 21466    | 12.452  | ng    | # 82     |
| 51) 2,6-Dinitrotoluene        | 14.850 | 165  | 11244    | 7.483   | ng    | # 27     |
| 57) 2,4-Dinitrotoluene        | 14.850 | 165  | 11244    | 5.234   | ng    | # 25     |
| 67) 4-Bromophenyl-phenylether | 16.331 | 248  | 8747     | 3.733   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

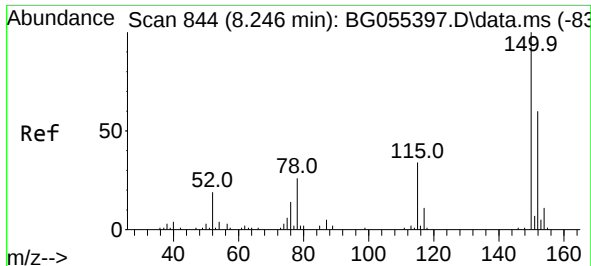
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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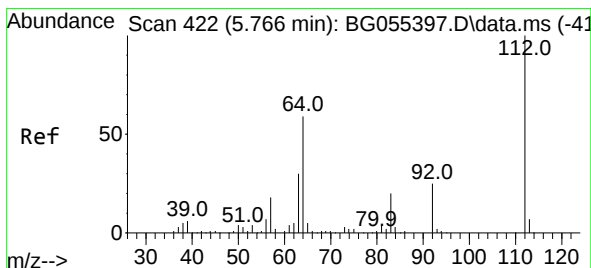
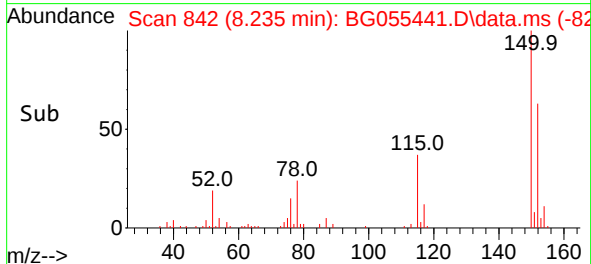
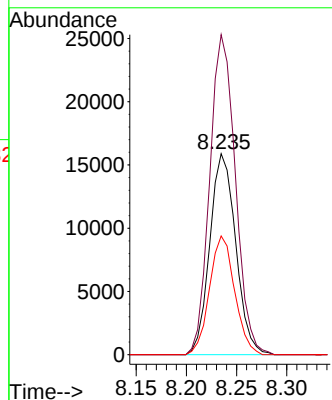
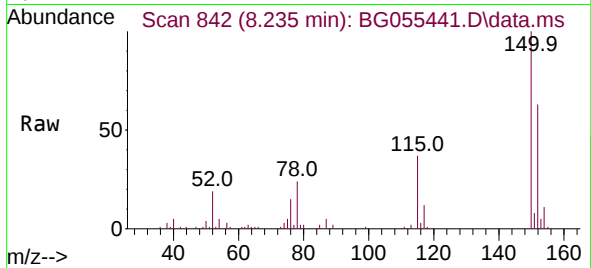




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.235 min Scan# 844  
Delta R.T. -0.011 min  
Lab File: BG055441.D  
Acq: 3 Nov 2022 17:19

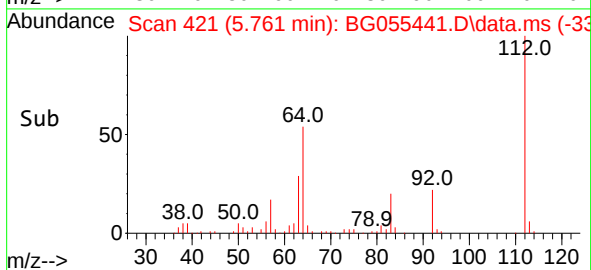
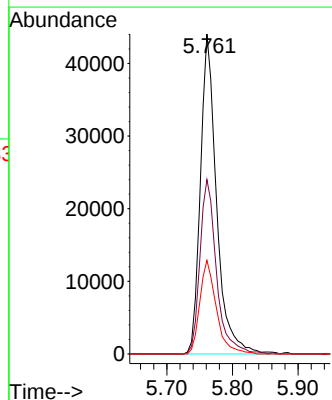
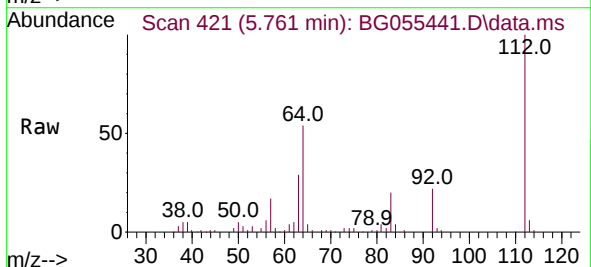
Instrument :  
BNA\_G  
ClientSampleId :  
551B-4

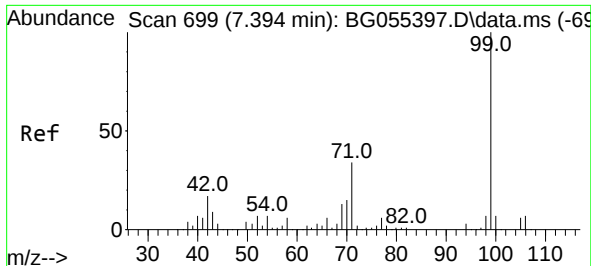
Tgt Ion:152 Resp: 28571  
Ion Ratio Lower Upper  
152 100  
150 159.3 132.8 199.2  
115 59.1 45.1 67.7



#5  
2-Fluorophenol  
Concen: 47.490 ng  
RT: 5.761 min Scan# 421  
Delta R.T. -0.005 min  
Lab File: BG055441.D  
Acq: 3 Nov 2022 17:19

Tgt Ion:112 Resp: 75554  
Ion Ratio Lower Upper  
112 100  
64 54.5 47.2 70.8  
63 29.2 24.3 36.5

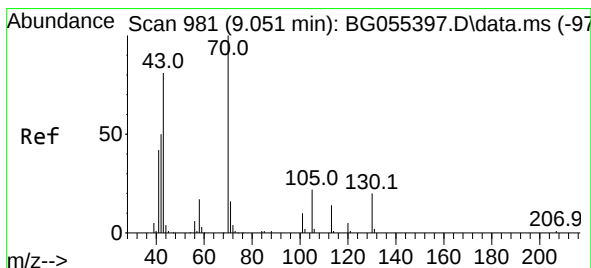
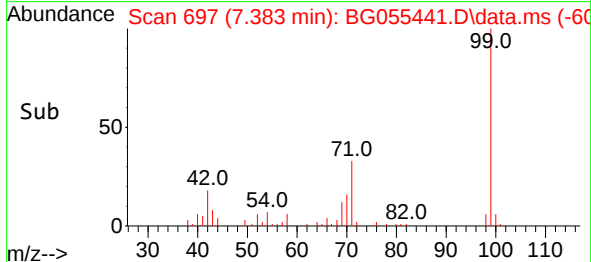
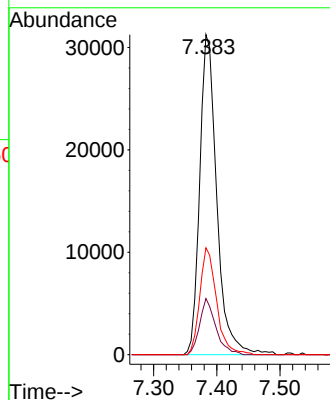
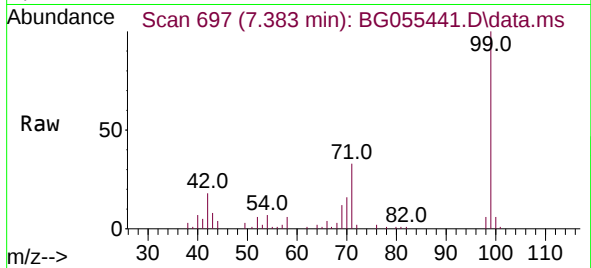




#7  
Phenol-d6  
Concen: 26.576 ng  
RT: 7.383 min Scan# 697  
Delta R.T. -0.011 min  
Lab File: BG055441.D  
Acq: 3 Nov 2022 17:19

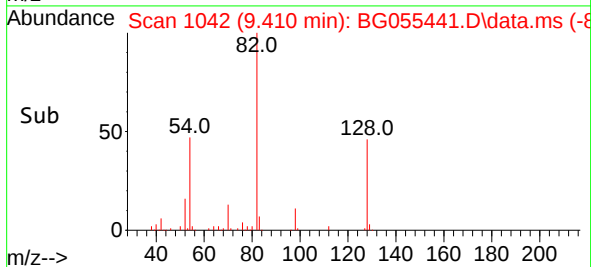
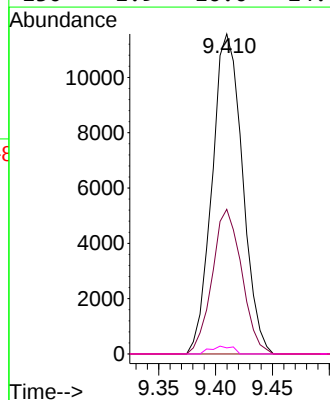
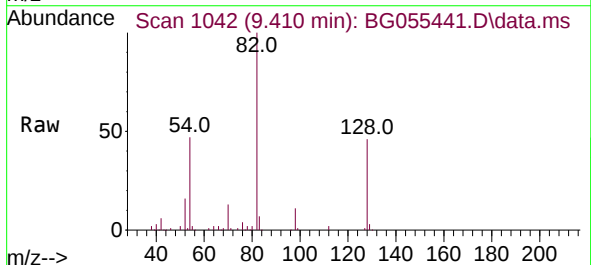
Instrument :  
BNA\_G  
ClientSampleId :  
551B-4

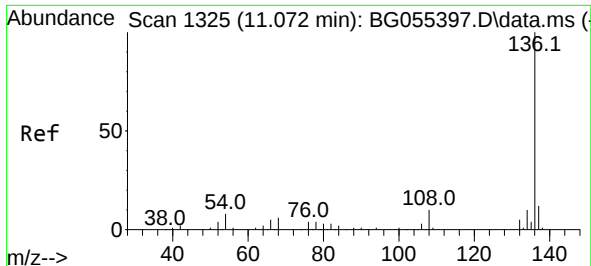
Tgt Ion: 99 Resp: 58634  
Ion Ratio Lower Upper  
99 100  
42 17.6 13.5 20.3  
71 33.4 27.4 41.0



#19  
n-Nitroso-di-n-propylamine  
Concen: 12.452 ng  
RT: 9.410 min Scan# 1042  
Delta R.T. 0.359 min  
Lab File: BG055441.D  
Acq: 3 Nov 2022 17:19

Tgt Ion: 70 Resp: 21466  
Ion Ratio Lower Upper  
70 100  
42 45.2 40.6 61.0  
101 0.0 7.8 11.6#  
130 1.9 16.0 24.0#

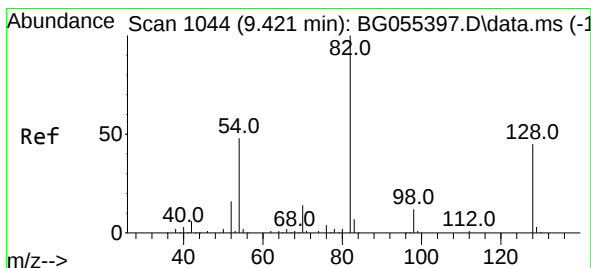
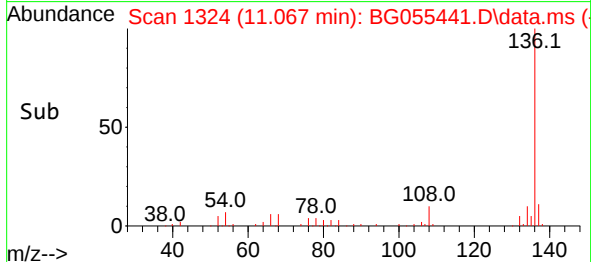
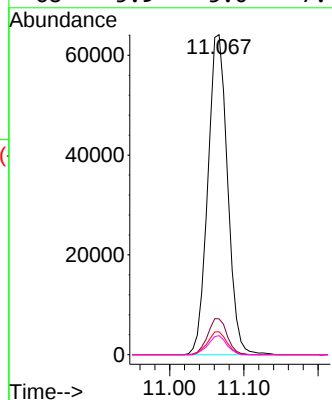
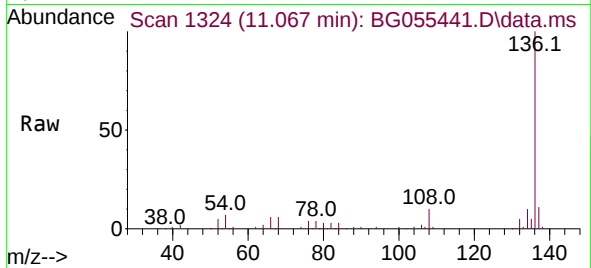




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.067 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: BG055441.D  
Acq: 3 Nov 2022 17:19

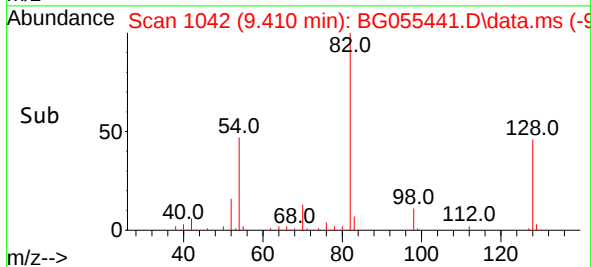
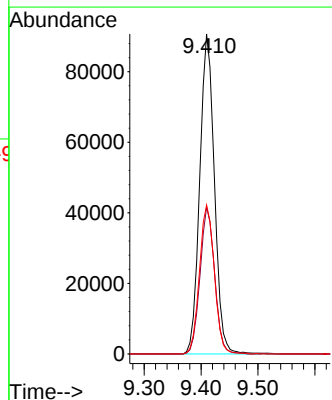
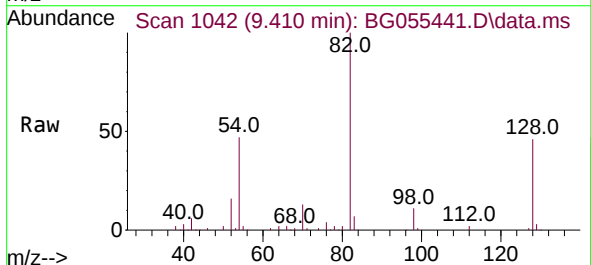
Instrument :  
BNA\_G  
ClientSampleId :  
551B-4

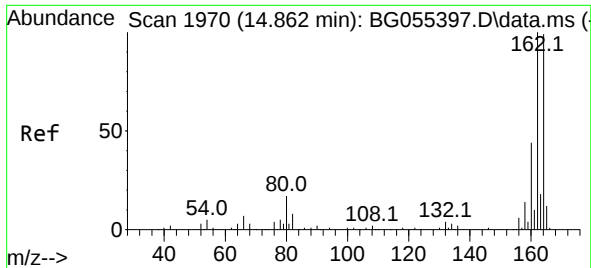
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 118352 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.2  | 9.4   | 14.2   |
| 54        | 7.2   | 6.1   | 9.1    |
| 68        | 5.9   | 5.0   | 7.4    |



#23  
Nitrobenzene-d5  
Concen: 73.188 ng  
RT: 9.410 min Scan# 1042  
Delta R.T. -0.011 min  
Lab File: BG055441.D  
Acq: 3 Nov 2022 17:19

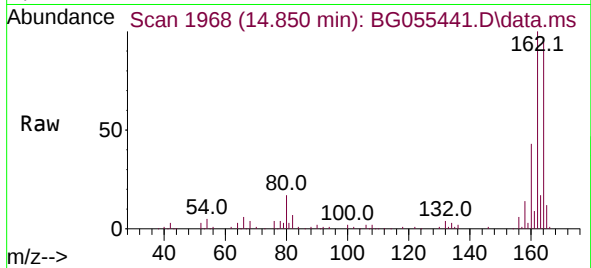
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 162529 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 45.9  | 35.8  | 53.8   |
| 54        | 46.5  | 38.1  | 57.1   |



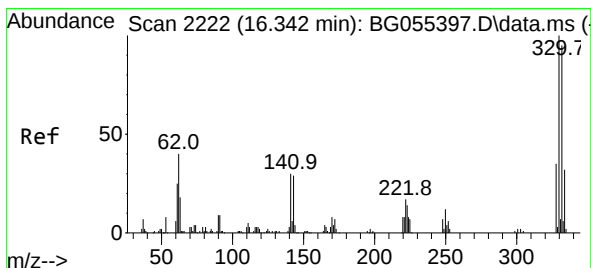
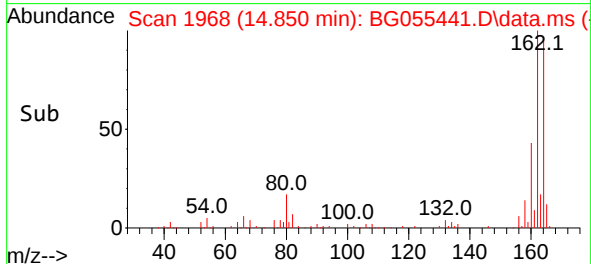
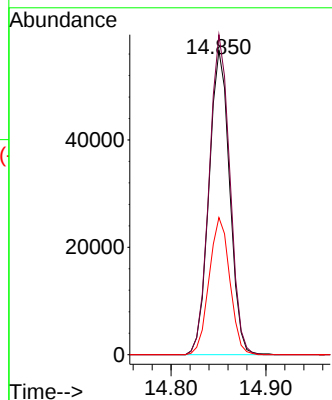


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.850 min Scan# 1968  
Delta R.T. -0.012 min  
Lab File: BG055441.D  
Acq: 3 Nov 2022 17:19

Instrument :  
BNA\_G  
ClientSampleId :  
551B-4

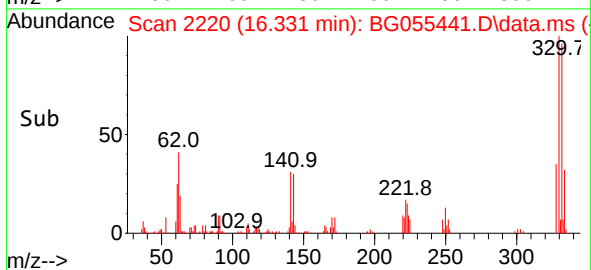
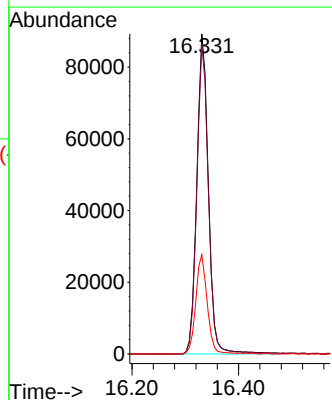
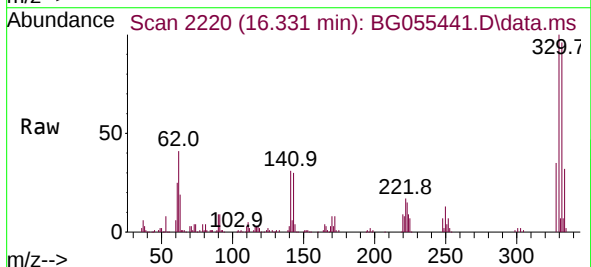


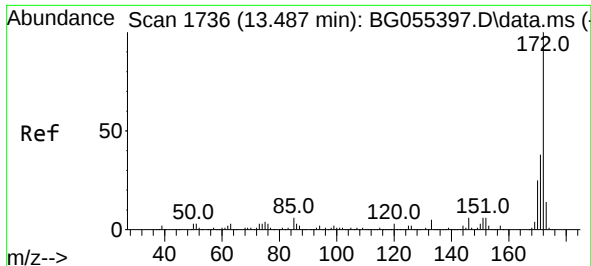
Tgt Ion:164 Resp: 85982  
Ion Ratio Lower Upper  
164 100  
162 105.2 81.1 121.7  
160 45.1 35.8 53.6



#42  
2,4,6-Tribromophenol  
Concen: 115.370 ng  
RT: 16.331 min Scan# 2220  
Delta R.T. -0.011 min  
Lab File: BG055441.D  
Acq: 3 Nov 2022 17:19

Tgt Ion:330 Resp: 135308  
Ion Ratio Lower Upper  
330 100  
332 96.0 77.8 116.6  
141 30.5 24.2 36.2

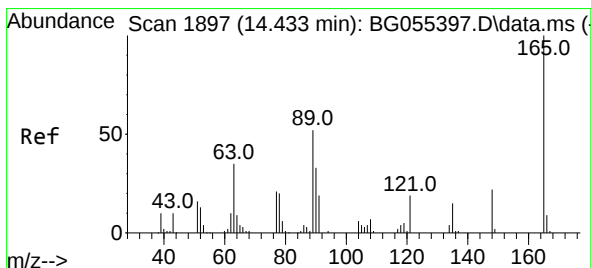
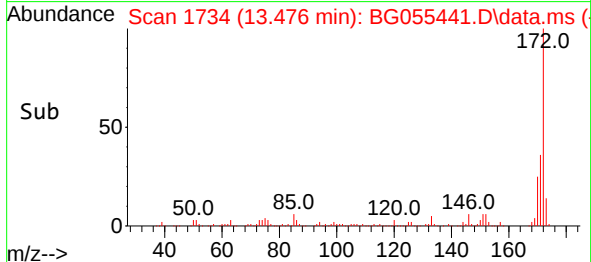
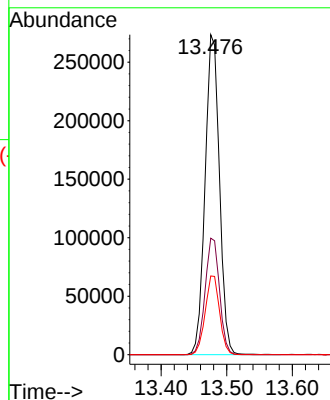
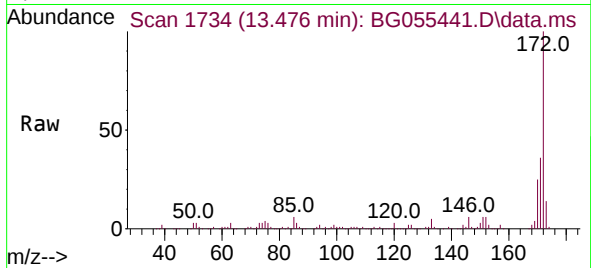




#45  
2-Fluorobiphenyl  
Concen: 71.902 ng  
RT: 13.476 min Scan# 1  
Delta R.T. -0.011 min  
Lab File: BG055441.D  
Acq: 3 Nov 2022 17:19

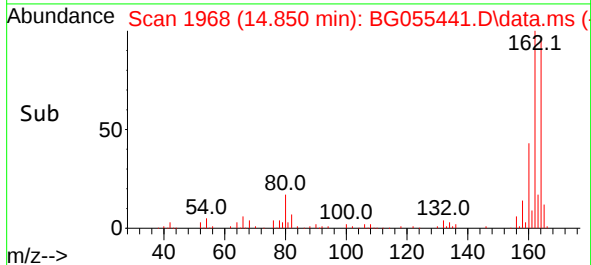
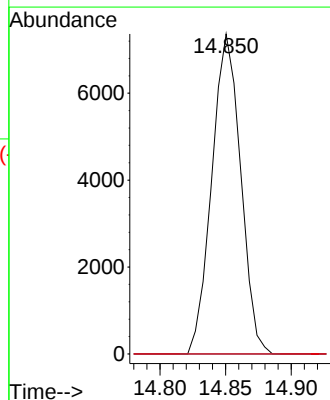
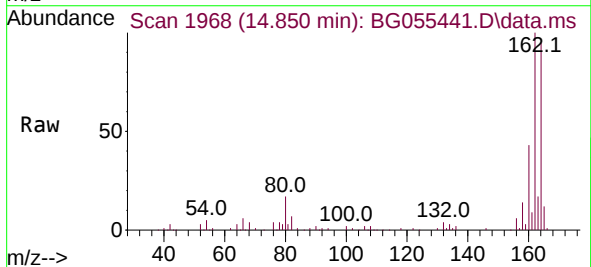
Instrument :  
BNA\_G  
ClientSampleId :  
551B-4

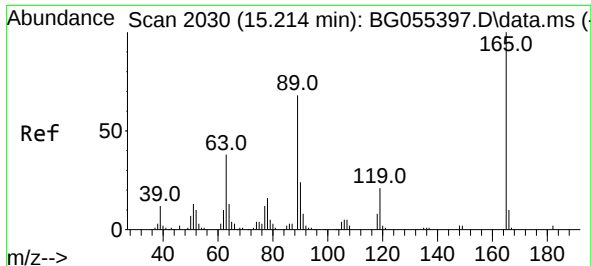
Tgt Ion:172 Resp: 416976  
Ion Ratio Lower Upper  
172 100  
171 36.4 30.2 45.2  
170 24.6 20.2 30.2



#51  
2,6-Dinitrotoluene  
Concen: 7.483 ng  
RT: 14.850 min Scan# 1968  
Delta R.T. 0.417 min  
Lab File: BG055441.D  
Acq: 3 Nov 2022 17:19

Tgt Ion:165 Resp: 11244  
Ion Ratio Lower Upper  
165 100  
63 0.0 38.2 57.4#  
89 0.0 41.8 62.6#

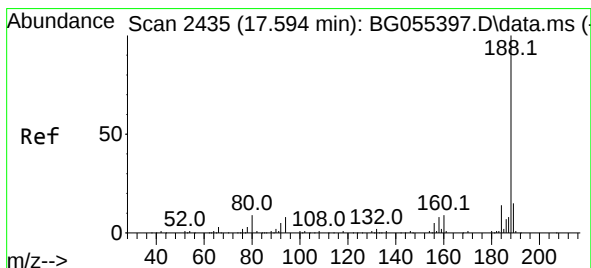
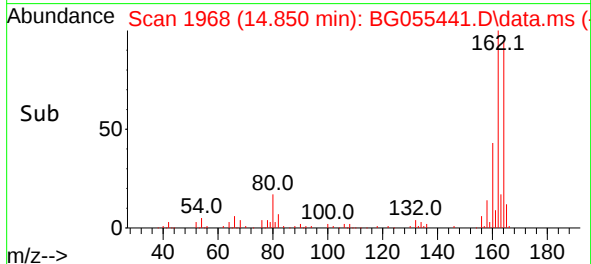
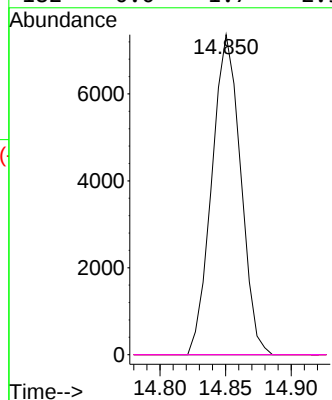
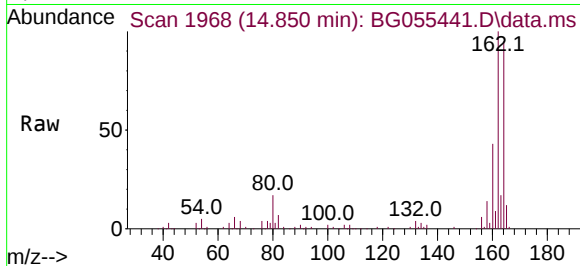




#57  
2,4-Dinitrotoluene  
Concen: 5.234 ng  
RT: 14.850 min Scan# 1968  
Delta R.T. -0.364 min  
Lab File: BG055441.D  
Acq: 3 Nov 2022 17:19

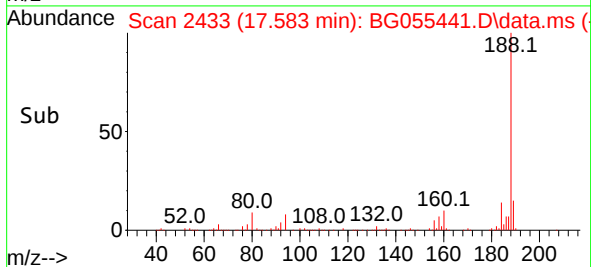
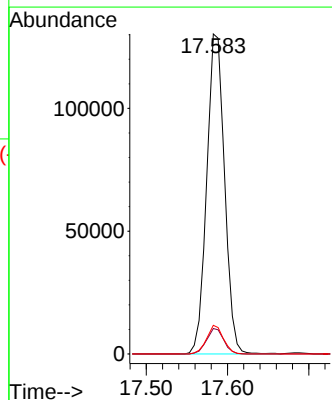
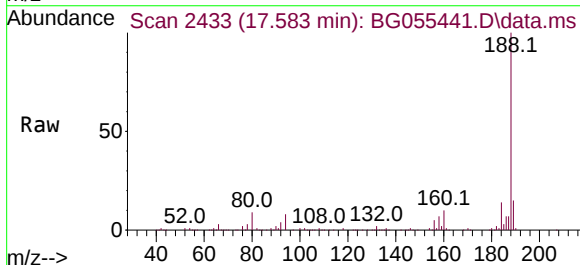
Instrument :  
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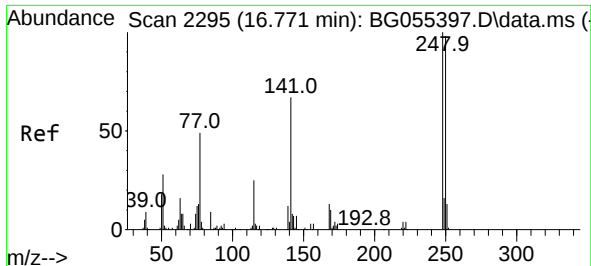
Tgt Ion:165 Resp: 11244  
Ion Ratio Lower Upper  
165 100  
63 0.0 30.8 46.2#  
89 0.0 54.5 81.7#  
182 0.0 1.7 2.5#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.583 min Scan# 2433  
Delta R.T. -0.012 min  
Lab File: BG055441.D  
Acq: 3 Nov 2022 17:19

Tgt Ion:188 Resp: 198221  
Ion Ratio Lower Upper  
188 100  
94 7.9 6.5 9.7  
80 9.0 7.4 11.0

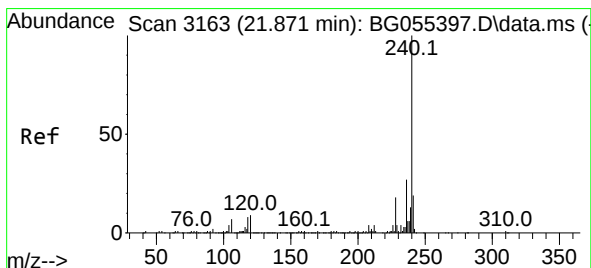
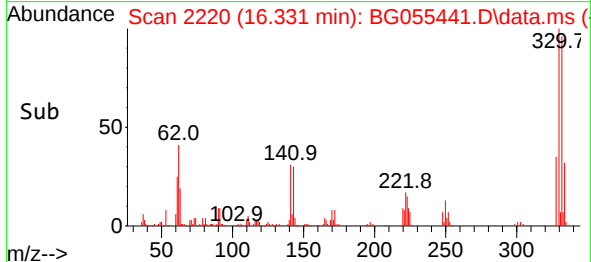
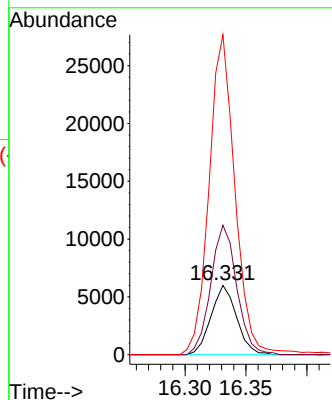
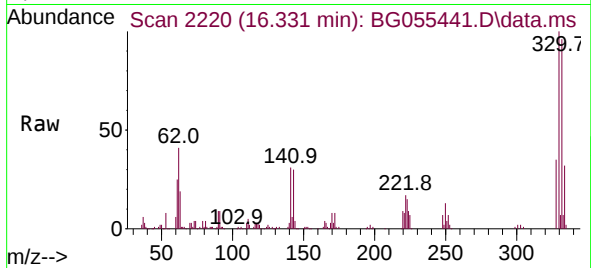




#67  
4-Bromophenyl-phenylether  
Concen: 3.733 ng  
RT: 16.331 min Scan# 21  
Delta R.T. -0.440 min  
Lab File: BG055441.D  
Acq: 3 Nov 2022 17:19

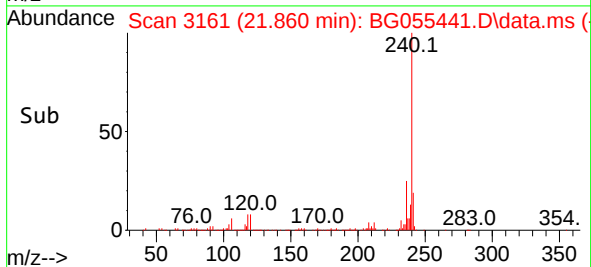
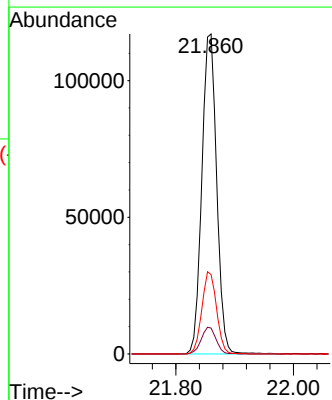
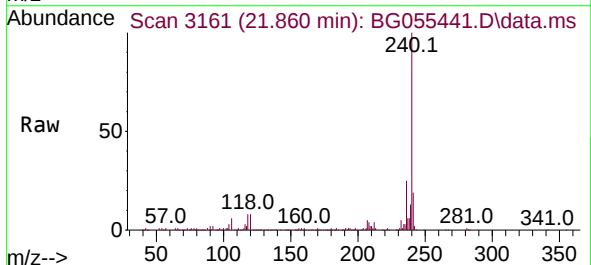
Instrument :  
BNA\_G  
ClientSampleId :  
551B-4

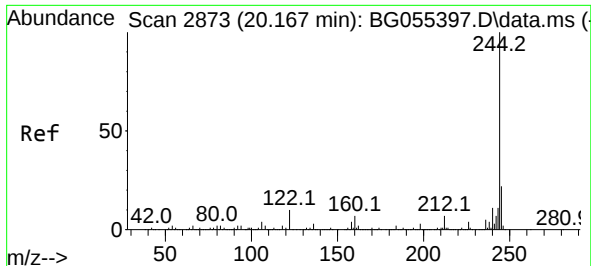
Tgt Ion:248 Resp: 8747  
Ion Ratio Lower Upper  
248 100  
250 186.6 78.3 117.5#  
141 461.5 53.7 80.5#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.860 min Scan# 3161  
Delta R.T. -0.011 min  
Lab File: BG055441.D  
Acq: 3 Nov 2022 17:19

Tgt Ion:240 Resp: 204472  
Ion Ratio Lower Upper  
240 100  
120 8.1 6.9 10.3  
236 24.8 21.5 32.3

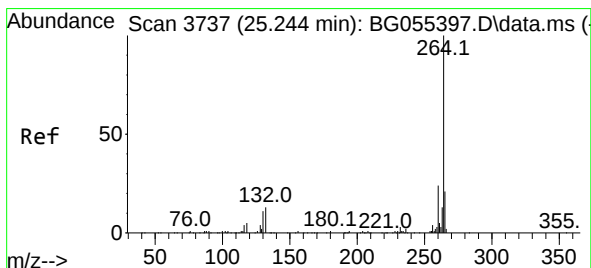
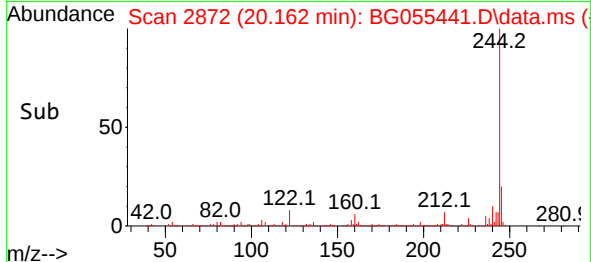
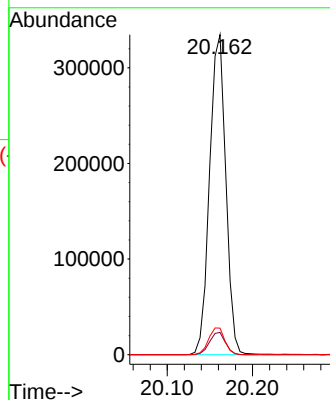
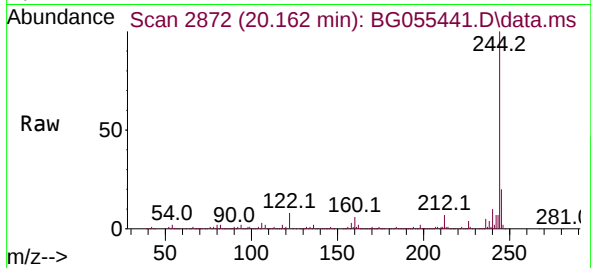




#79  
 Terphenyl-d14  
 Concen: 42.021 ng  
 RT: 20.162 min Scan# 21  
 Delta R.T. -0.005 min  
 Lab File: BG055441.D  
 Acq: 3 Nov 2022 17:19

Instrument :  
 BNA\_G  
 ClientSampleId :  
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Tgt Ion:244 Resp: 441856  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.8 8.8  
 122 8.3 7.8 11.6



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.226 min Scan# 3734  
 Delta R.T. -0.017 min  
 Lab File: BG055441.D  
 Acq: 3 Nov 2022 17:19

Tgt Ion:264 Resp: 219494  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 18.9 28.3  
 265 22.6 17.1 25.7

