

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG011124\  
 Data File : BG060308.D  
 Acq On : 11 Jan 2024 13:58  
 Operator : MA/JU  
 Sample : P1100-01  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 COMP-1

Quant Time: Jan 11 14:40:41 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG010824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 09 04:07:12 2024  
 Response via : Initial Calibration

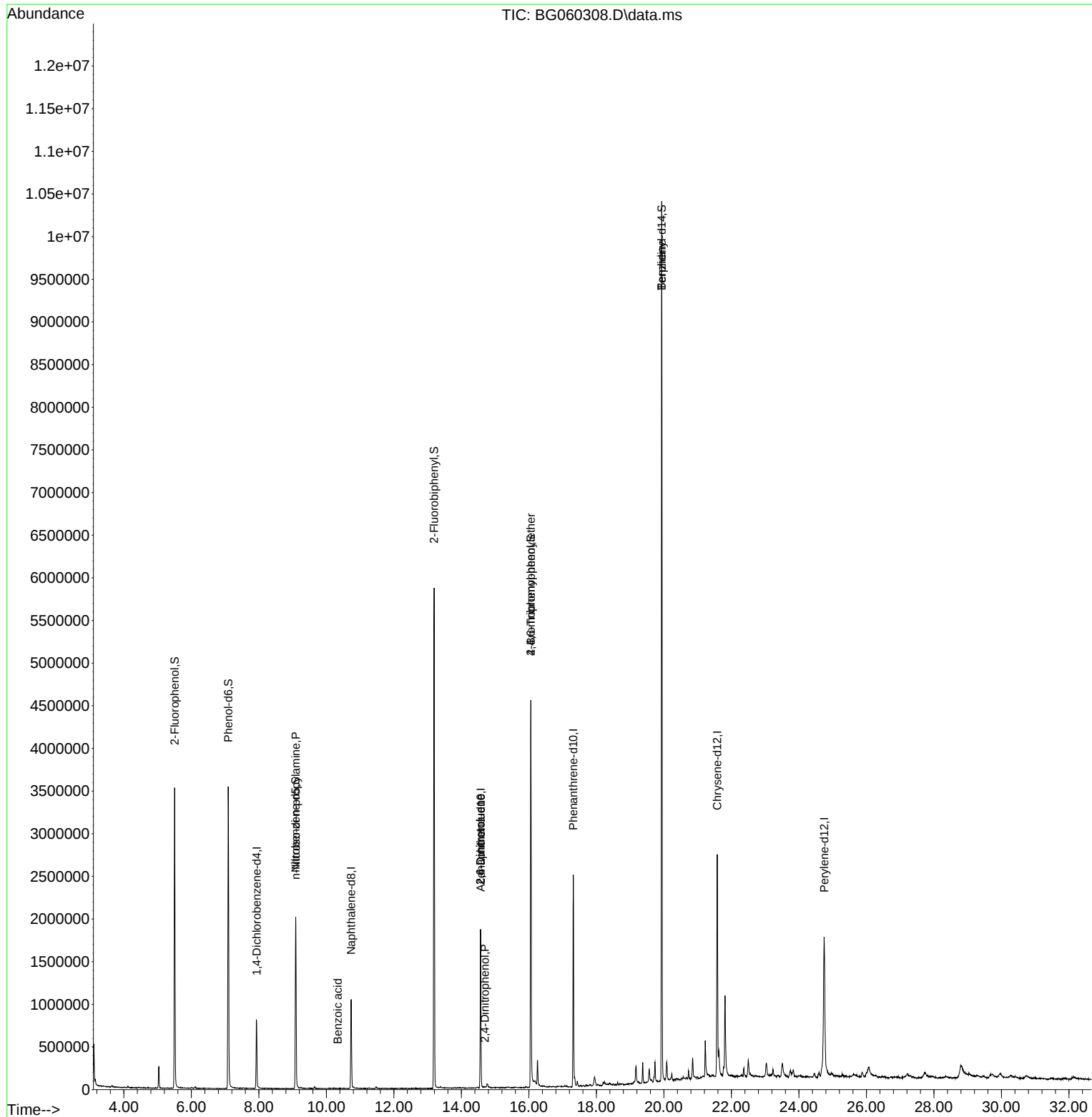
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.932  | 152  | 253083   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.735 | 136  | 950152   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.572 | 164  | 692773   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.315 | 188  | 1649549  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.581 | 240  | 1630345  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.748 | 264  | 1898849  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.506  | 112  | 1692748  | 110.012 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.092  | 99   | 2396989  | 105.202 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.090  | 82   | 1407473  | 69.948  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.058 | 330  | 1037389  | 101.778 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.191 | 172  | 3315258  | 66.533  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.936 | 244  | 4850718  | 70.330  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.096  | 70   | 168602   | 10.692  | ng    | # 87     |
| 32) Benzoic acid              | 10.335 | 122  | 249      | 10.223  | ng    | # 86     |
| 51) 2,6-Dinitrotoluene        | 14.566 | 165  | 91114    | 8.066   | ng    | # 34     |
| 54) 2,4-Dinitrophenol         | 14.695 | 184  | 66       | 8.595   | ng    | # 2      |
| 57) 2,4-Dinitrotoluene        | 14.566 | 165  | 91114    | 5.882   | ng    | # 26     |
| 67) 4-Bromophenyl-phenylether | 16.058 | 248  | 59300    | 3.272   | ng    | # 1      |
| 77) Benzidine                 | 19.936 | 184  | 76249    | 2.153   | ng    | # 93     |
| -----                         |        |      |          |         |       |          |

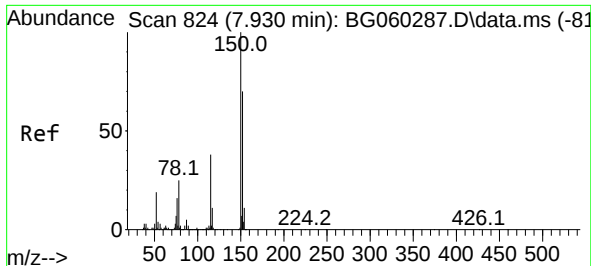
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG011124\  
Data File : BG060308.D  
Acq On : 11 Jan 2024 13:58  
Operator : MA/JU  
Sample : P1100-01  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
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Quant Time: Jan 11 14:40:41 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG010824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jan 09 04:07:12 2024  
Response via : Initial Calibration

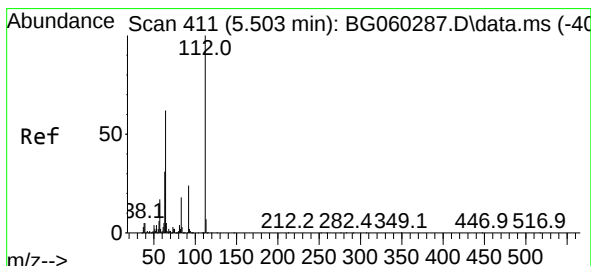
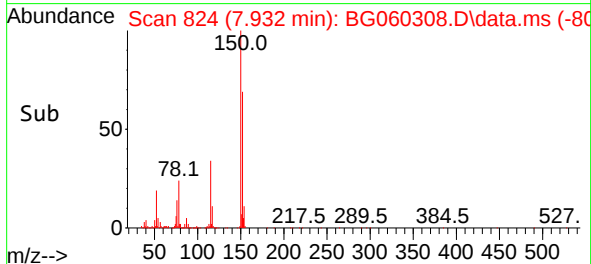
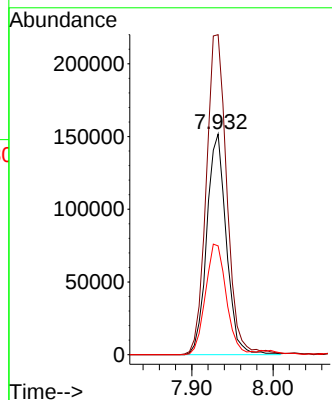
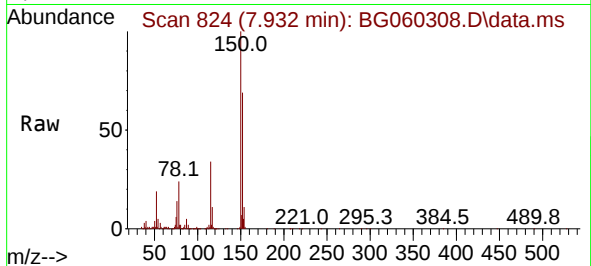




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.932 min Scan# 81  
Delta R.T. 0.002 min  
Lab File: BG060308.D  
Acq: 11 Jan 2024 13:58

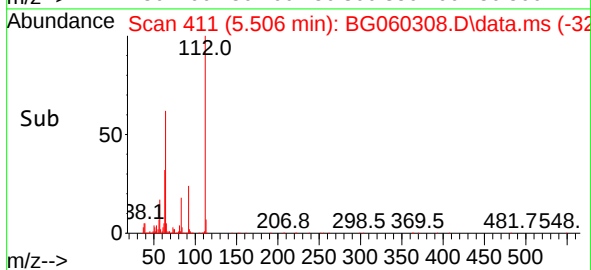
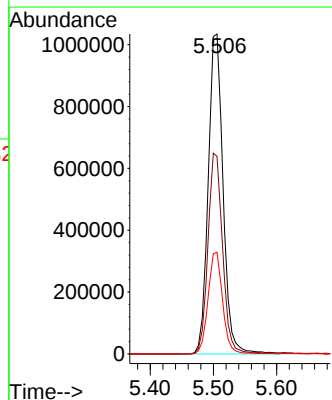
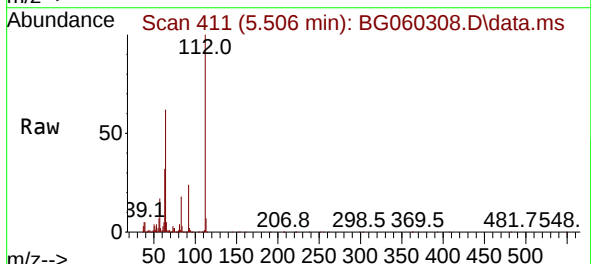
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BNA\_G  
ClientSampleId :  
COMP-1

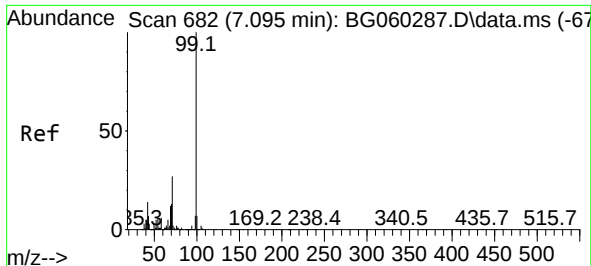
Tgt Ion:152 Resp: 253083  
Ion Ratio Lower Upper  
152 100  
150 145.0 114.5 171.7  
115 49.3 43.0 64.6



#5  
2-Fluorophenol  
Concen: 110.012 ng  
RT: 5.506 min Scan# 411  
Delta R.T. 0.003 min  
Lab File: BG060308.D  
Acq: 11 Jan 2024 13:58

Tgt Ion:112 Resp: 1692748  
Ion Ratio Lower Upper  
112 100  
64 61.8 49.8 74.6  
63 31.8 24.4 36.6

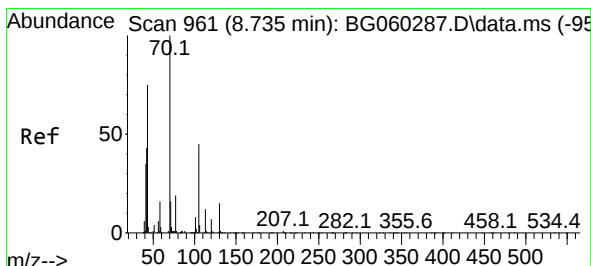
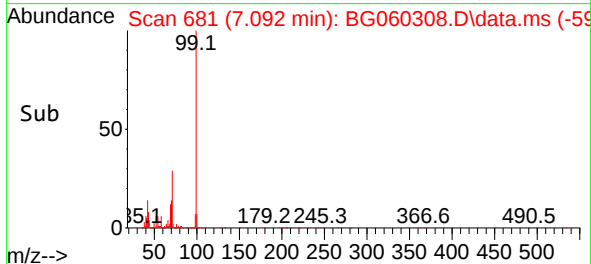
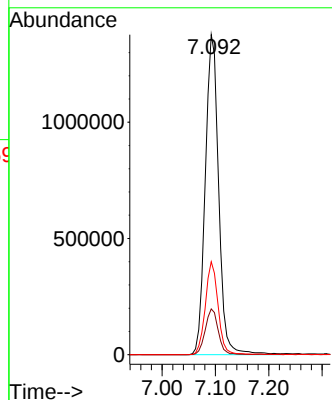
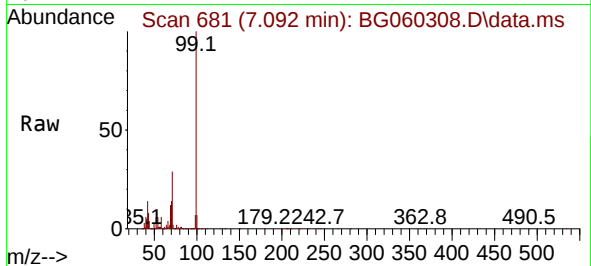




#7  
Phenol-d6  
Concen: 105.202 ng  
RT: 7.092 min Scan# 61  
Delta R.T. -0.003 min  
Lab File: BG060308.D  
Acq: 11 Jan 2024 13:58

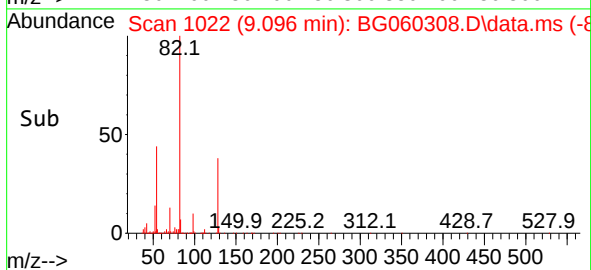
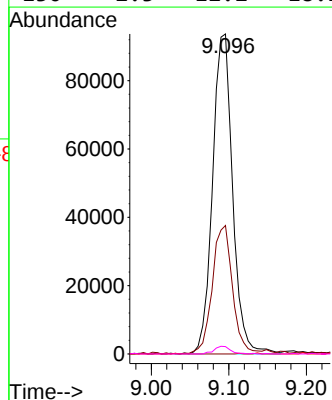
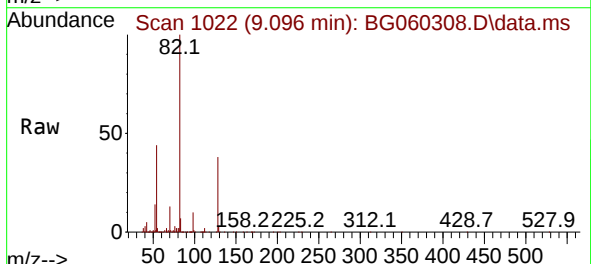
Instrument :  
BNA\_G  
ClientSampleId :  
COMP-1

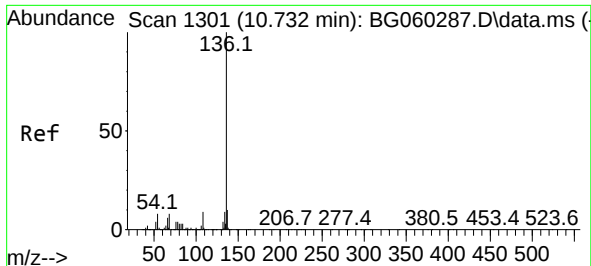
Tgt Ion: 99 Resp: 2396989  
Ion Ratio Lower Upper  
99 100  
42 14.3 10.9 16.3  
71 29.1 21.5 32.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 10.692 ng  
RT: 9.096 min Scan# 1022  
Delta R.T. 0.361 min  
Lab File: BG060308.D  
Acq: 11 Jan 2024 13:58

Tgt Ion: 70 Resp: 168602  
Ion Ratio Lower Upper  
70 100  
42 40.1 34.3 51.5  
101 0.0 6.2 9.2#  
130 2.3 12.2 18.2#

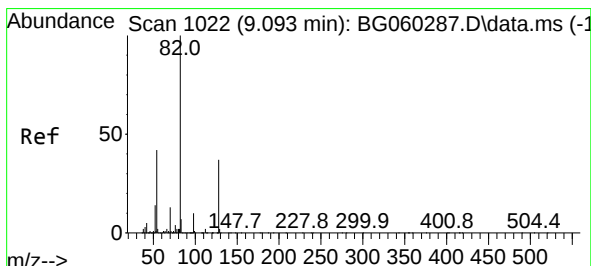
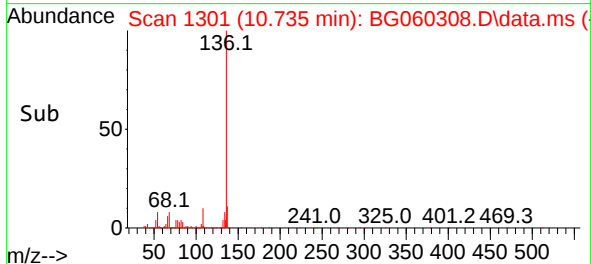
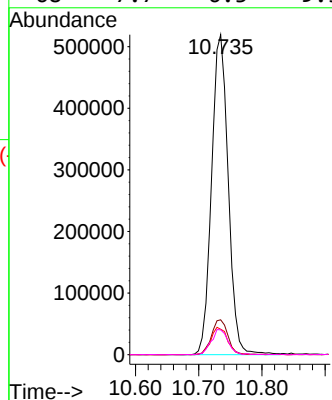
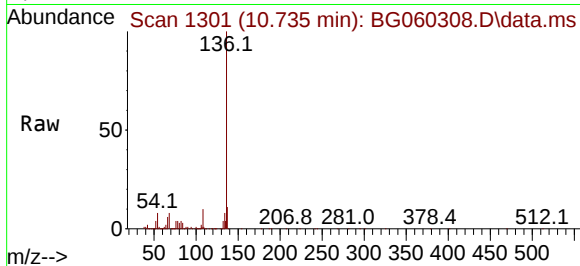




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.735 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: BG060308.D  
Acq: 11 Jan 2024 13:58

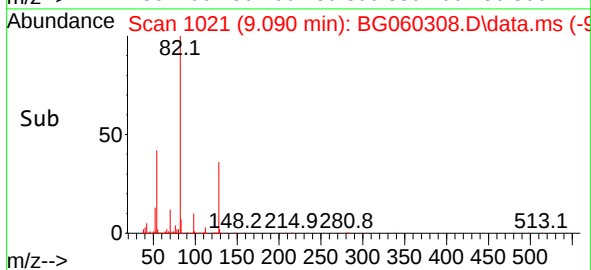
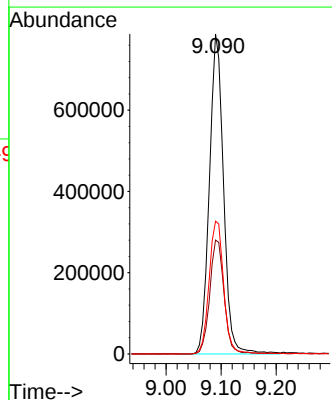
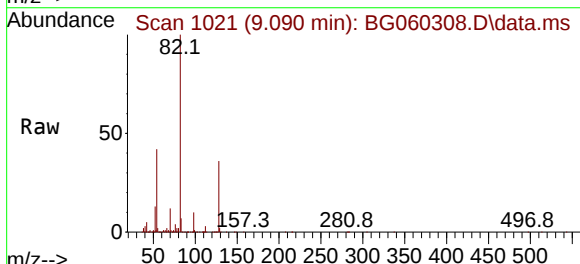
Instrument :  
BNA\_G  
ClientSampleId :  
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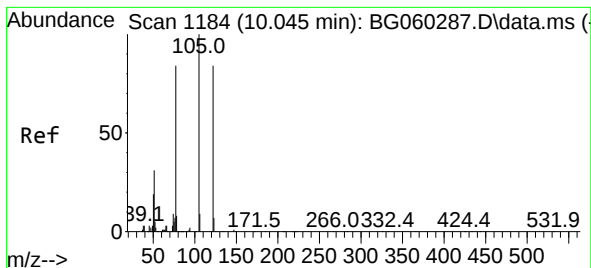
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 950152 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.2   | 12.4   |
| 54       | 7.9   | 6.2   | 9.2    |
| 68       | 7.7   | 6.3   | 9.5    |



#23  
Nitrobenzene-d5  
Concen: 69.948 ng  
RT: 9.090 min Scan# 1021  
Delta R.T. -0.003 min  
Lab File: BG060308.D  
Acq: 11 Jan 2024 13:58

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1407473 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 35.6  | 29.6  | 44.4    |
| 54       | 41.5  | 33.6  | 50.4    |

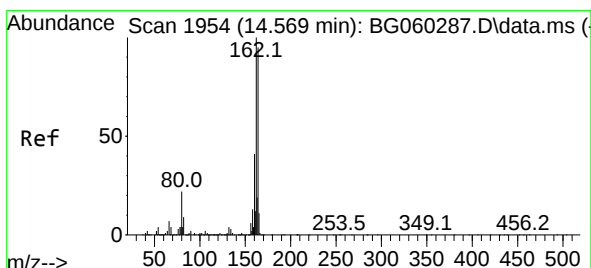
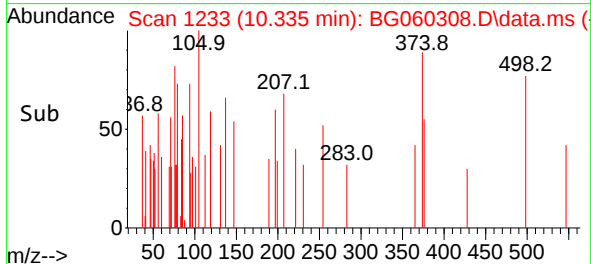
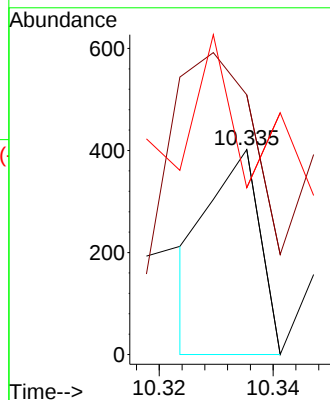
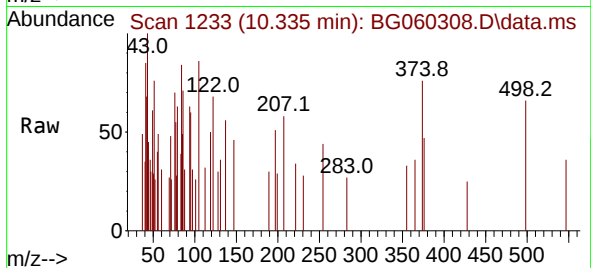




#32  
Benzoic acid  
Concen: 10.223 ng  
RT: 10.335 min Scan# 1184  
Delta R.T. 0.290 min  
Lab File: BG060308.D  
Acq: 11 Jan 2024 13:58

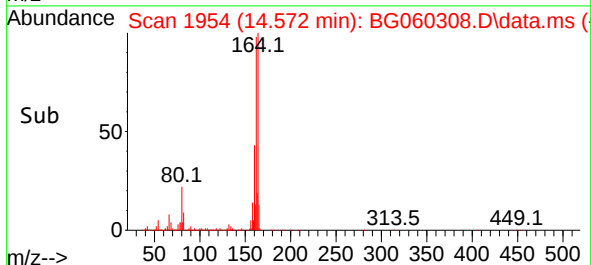
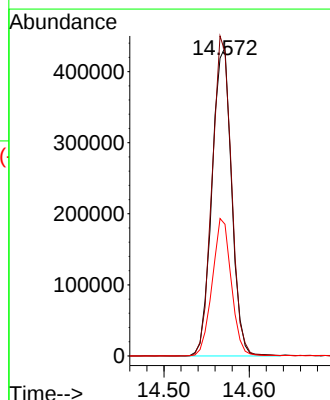
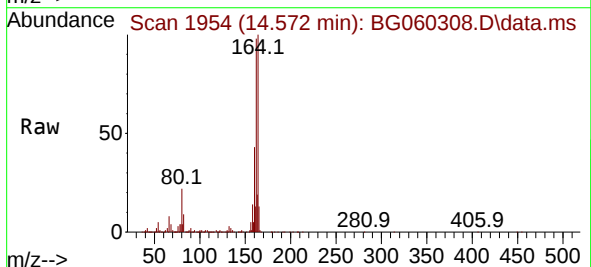
Instrument :  
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ClientSampleId :  
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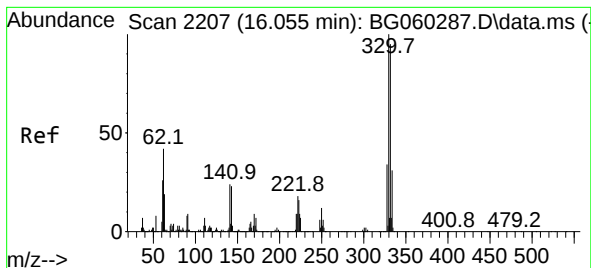
Tgt Ion:122 Resp: 249  
Ion Ratio Lower Upper  
122 100  
105 126.6 96.0 136.0  
77 81.3 80.1 120.1



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.572 min Scan# 1954  
Delta R.T. 0.003 min  
Lab File: BG060308.D  
Acq: 11 Jan 2024 13:58

Tgt Ion:164 Resp: 692773  
Ion Ratio Lower Upper  
164 100  
162 98.5 84.4 126.6  
160 42.7 34.6 52.0

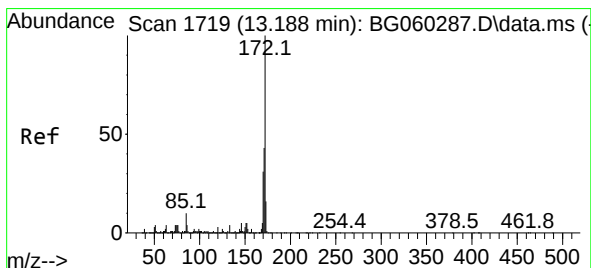
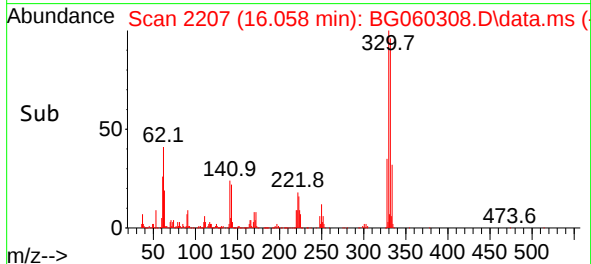
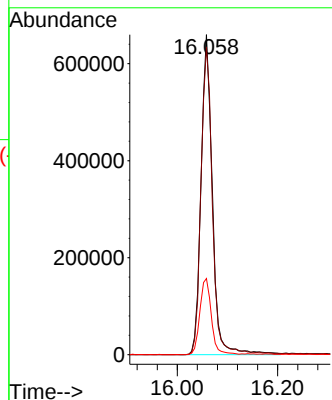
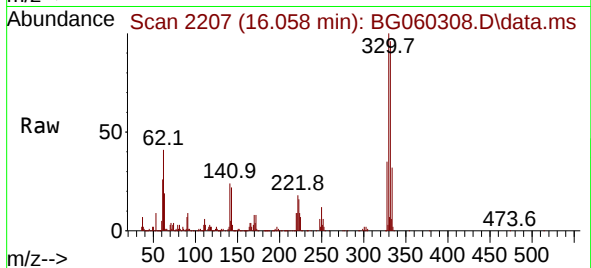




#42  
2,4,6-Tribromophenol  
Concen: 101.778 ng  
RT: 16.058 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: BG060308.D  
Acq: 11 Jan 2024 13:58

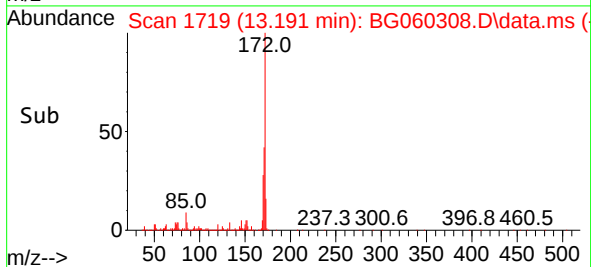
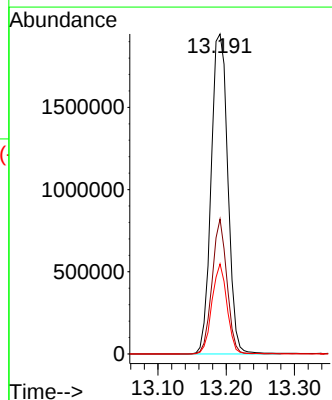
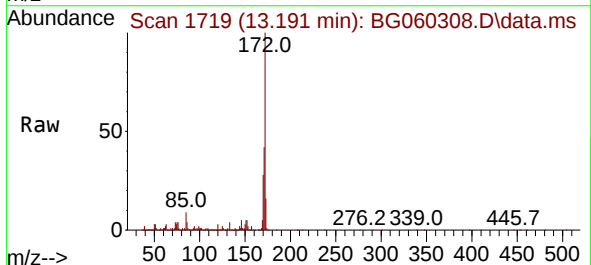
Instrument :  
BNA\_G  
ClientSampleId :  
COMP-1

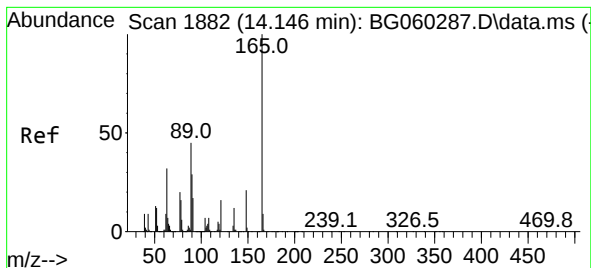
Tgt Ion:330 Resp: 1037389  
Ion Ratio Lower Upper  
330 100  
332 97.6 76.7 115.1  
141 24.1 18.6 28.0



#45  
2-Fluorobiphenyl  
Concen: 66.533 ng  
RT: 13.191 min Scan# 1719  
Delta R.T. 0.003 min  
Lab File: BG060308.D  
Acq: 11 Jan 2024 13:58

Tgt Ion:172 Resp: 3315258  
Ion Ratio Lower Upper  
172 100  
171 42.1 34.6 51.8  
170 28.2 24.4 36.6

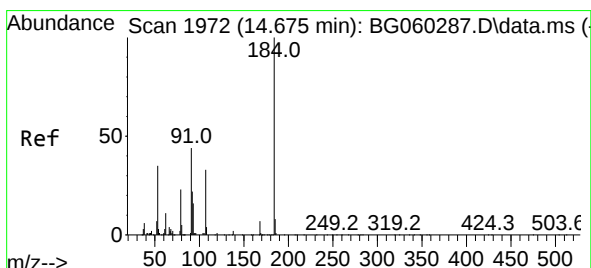
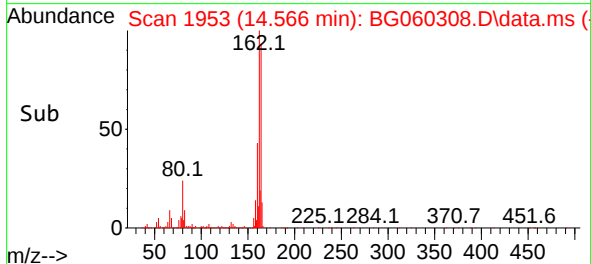
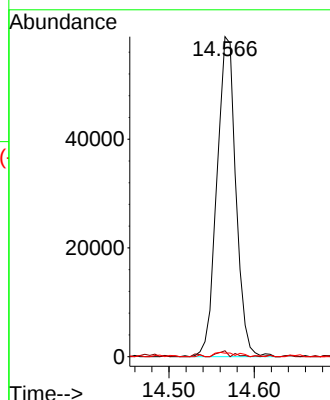
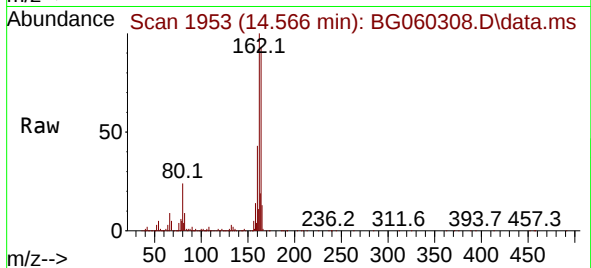




#51  
2,6-Dinitrotoluene  
Concen: 8.066 ng  
RT: 14.566 min Scan# 1953  
Delta R.T. 0.420 min  
Lab File: BG060308.D  
Acq: 11 Jan 2024 13:58

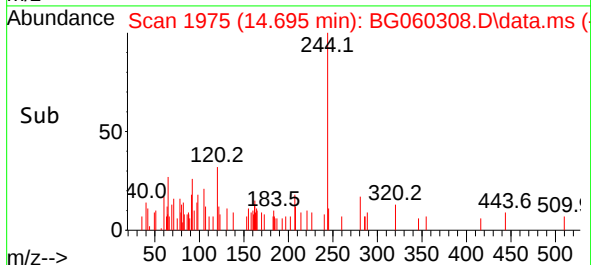
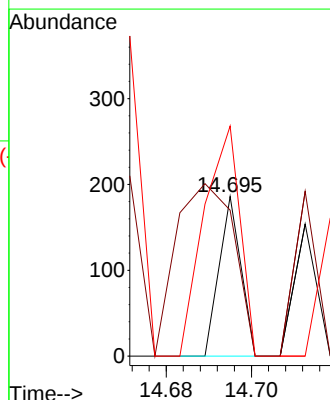
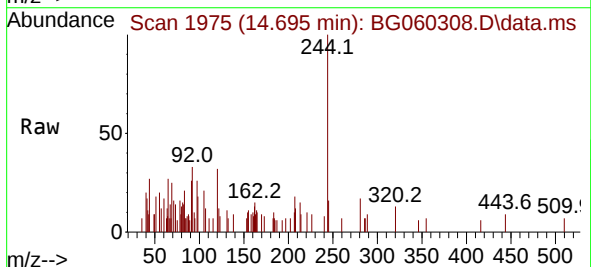
Instrument :  
BNA\_G  
ClientSampleId :  
COMP-1

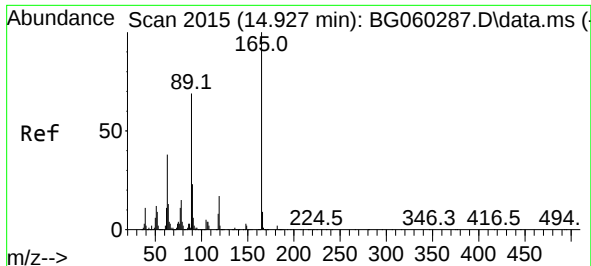
Tgt Ion:165 Resp: 91114  
Ion Ratio Lower Upper  
165 100  
63 1.8 35.0 52.4#  
89 1.1 36.2 54.2#



#54  
2,4-Dinitrophenol  
Concen: 8.595 ng  
RT: 14.695 min Scan# 1975  
Delta R.T. 0.020 min  
Lab File: BG060308.D  
Acq: 11 Jan 2024 13:58

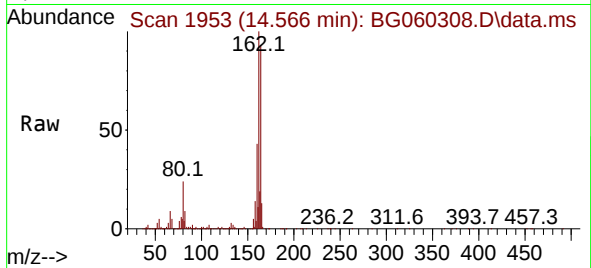
Tgt Ion:184 Resp: 66  
Ion Ratio Lower Upper  
184 100  
63 91.4 41.0 61.4#  
154 144.1 39.2 58.8#



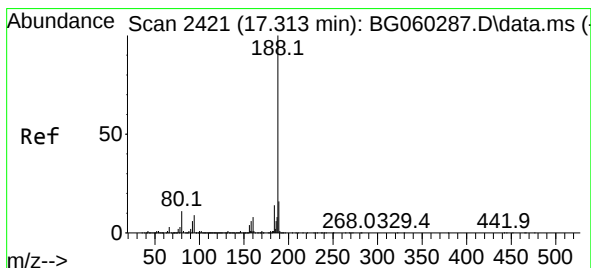
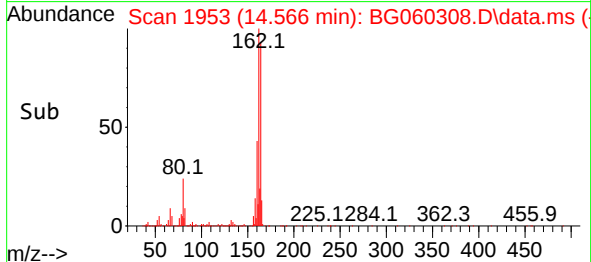
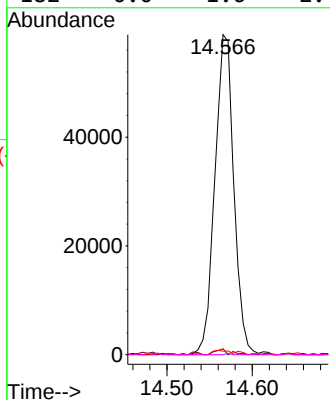


#57  
2,4-Dinitrotoluene  
Concen: 5.882 ng  
RT: 14.566 min Scan# 1953  
Delta R.T. -0.362 min  
Lab File: BG060308.D  
Acq: 11 Jan 2024 13:58

Instrument :  
BNA\_G  
ClientSampleId :  
COMP-1

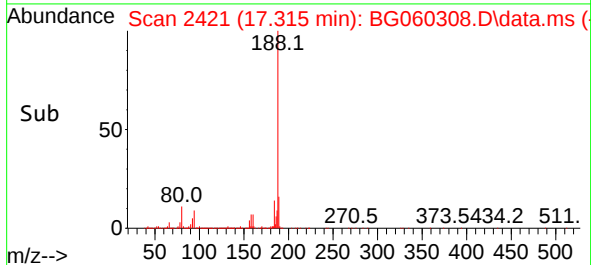
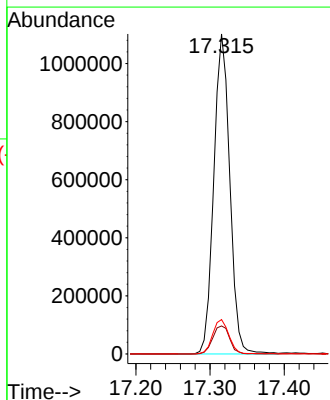
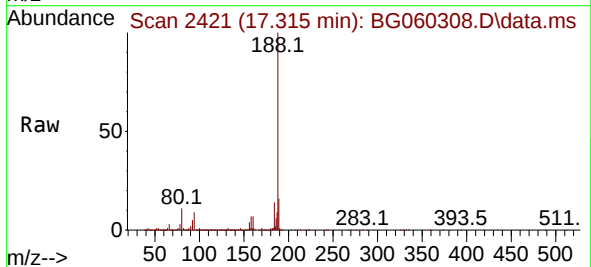


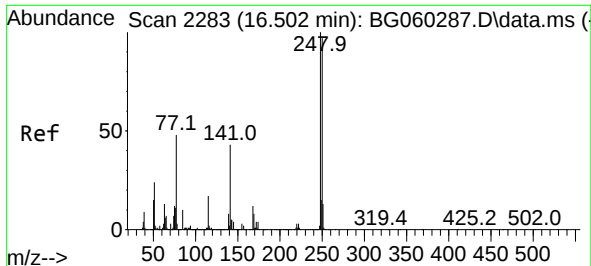
Tgt Ion:165 Resp: 91114  
Ion Ratio Lower Upper  
165 100  
63 1.8 30.4 45.6#  
89 1.1 55.4 83.0#  
182 0.0 1.6 2.4#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.315 min Scan# 2421  
Delta R.T. 0.003 min  
Lab File: BG060308.D  
Acq: 11 Jan 2024 13:58

Tgt Ion:188 Resp: 1649549  
Ion Ratio Lower Upper  
188 100  
94 8.8 7.1 10.7  
80 10.8 8.5 12.7

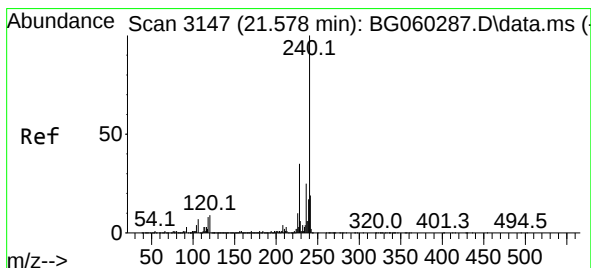
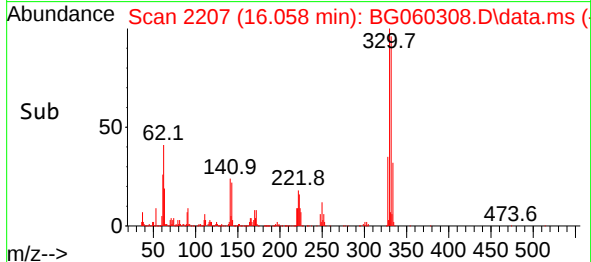
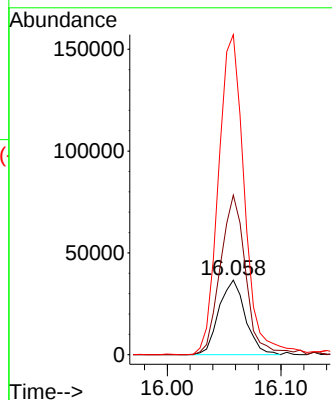
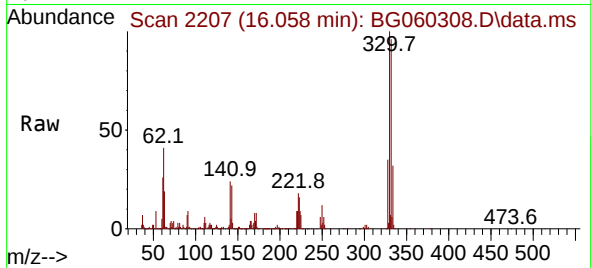




#67  
4-Bromophenyl-phenylether  
Concen: 3.272 ng  
RT: 16.058 min Scan# 21  
Delta R.T. -0.444 min  
Lab File: BG060308.D  
Acq: 11 Jan 2024 13:58

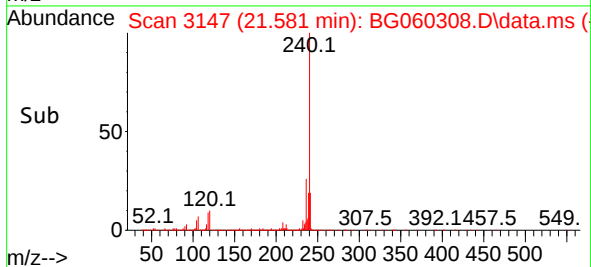
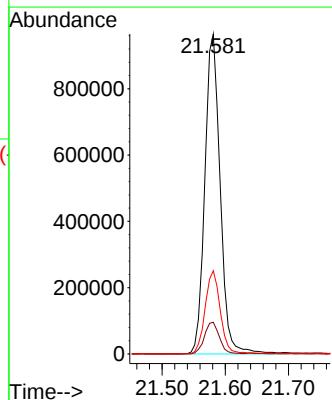
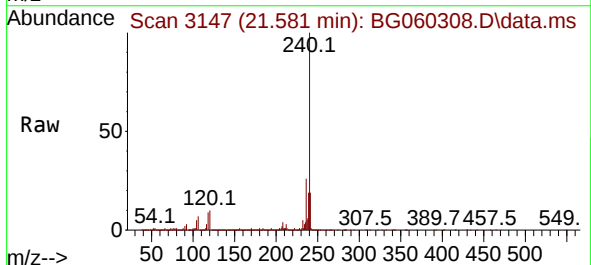
Instrument :  
BNA\_G  
ClientSampleId :  
COMP-1

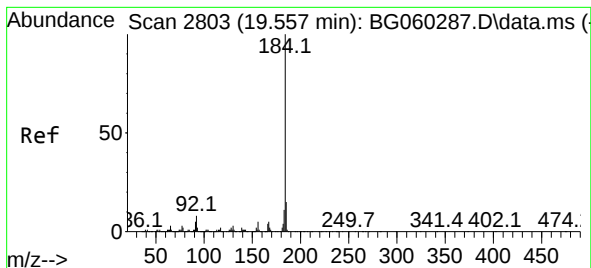
Tgt Ion:248 Resp: 59300  
Ion Ratio Lower Upper  
248 100  
250 214.0 77.6 116.4#  
141 429.3 34.2 51.4#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.581 min Scan# 3147  
Delta R.T. 0.003 min  
Lab File: BG060308.D  
Acq: 11 Jan 2024 13:58

Tgt Ion:240 Resp: 1630345  
Ion Ratio Lower Upper  
240 100  
120 9.9 7.3 10.9  
236 26.0 20.3 30.5





#77

Benzidine

Concen: 2.153 ng

RT: 19.936 min Scan# 2867

Delta R.T. 0.379 min

Lab File: BG060308.D

Acq: 11 Jan 2024 13:58

Instrument :

BNA\_G

ClientSampleId :

COMP-1

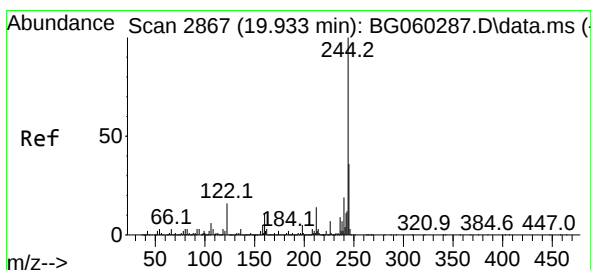
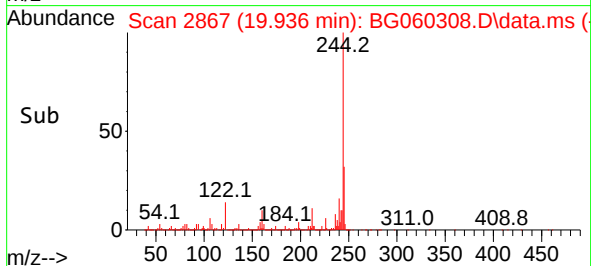
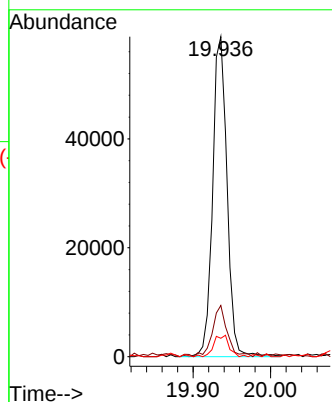
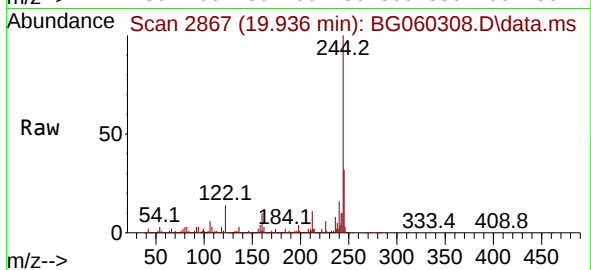
Tgt Ion:184 Resp: 76249

Ion Ratio Lower Upper

184 100

185 16.0 12.2 18.4

183 5.7 9.0 13.4#



#79

Terphenyl-d14

Concen: 70.330 ng

RT: 19.936 min Scan# 2867

Delta R.T. 0.003 min

Lab File: BG060308.D

Acq: 11 Jan 2024 13:58

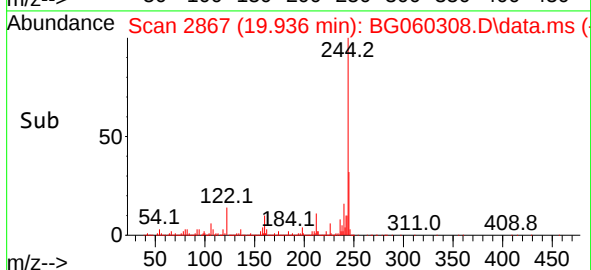
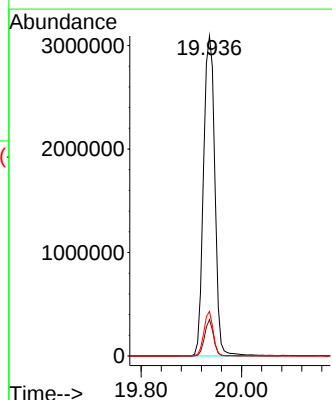
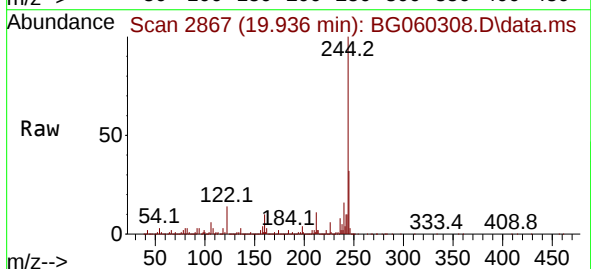
Tgt Ion:244 Resp: 4850718

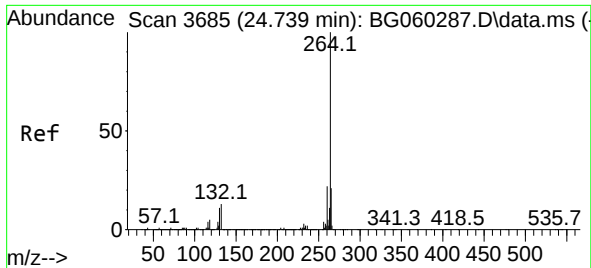
Ion Ratio Lower Upper

244 100

212 11.4 10.9 16.3

122 13.9 12.6 18.8





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.748 min Scan# 30  
Delta R.T. 0.009 min  
Lab File: BG060308.D  
Acq: 11 Jan 2024 13:58

Instrument :  
BNA\_G  
ClientSampleId :  
COMP-1

Tgt Ion:264 Resp: 1898849  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.6  | 17.8  | 26.6  |
| 265 | 21.0  | 16.8  | 25.2  |

