

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111723\  
 Data File : BG059746.D  
 Acq On : 18 Nov 2023 1:42  
 Operator : MA/JU  
 Sample : 05331-04  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Nov 18 04:26:57 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 17 01:51:38 2023  
 Response via : Initial Calibration

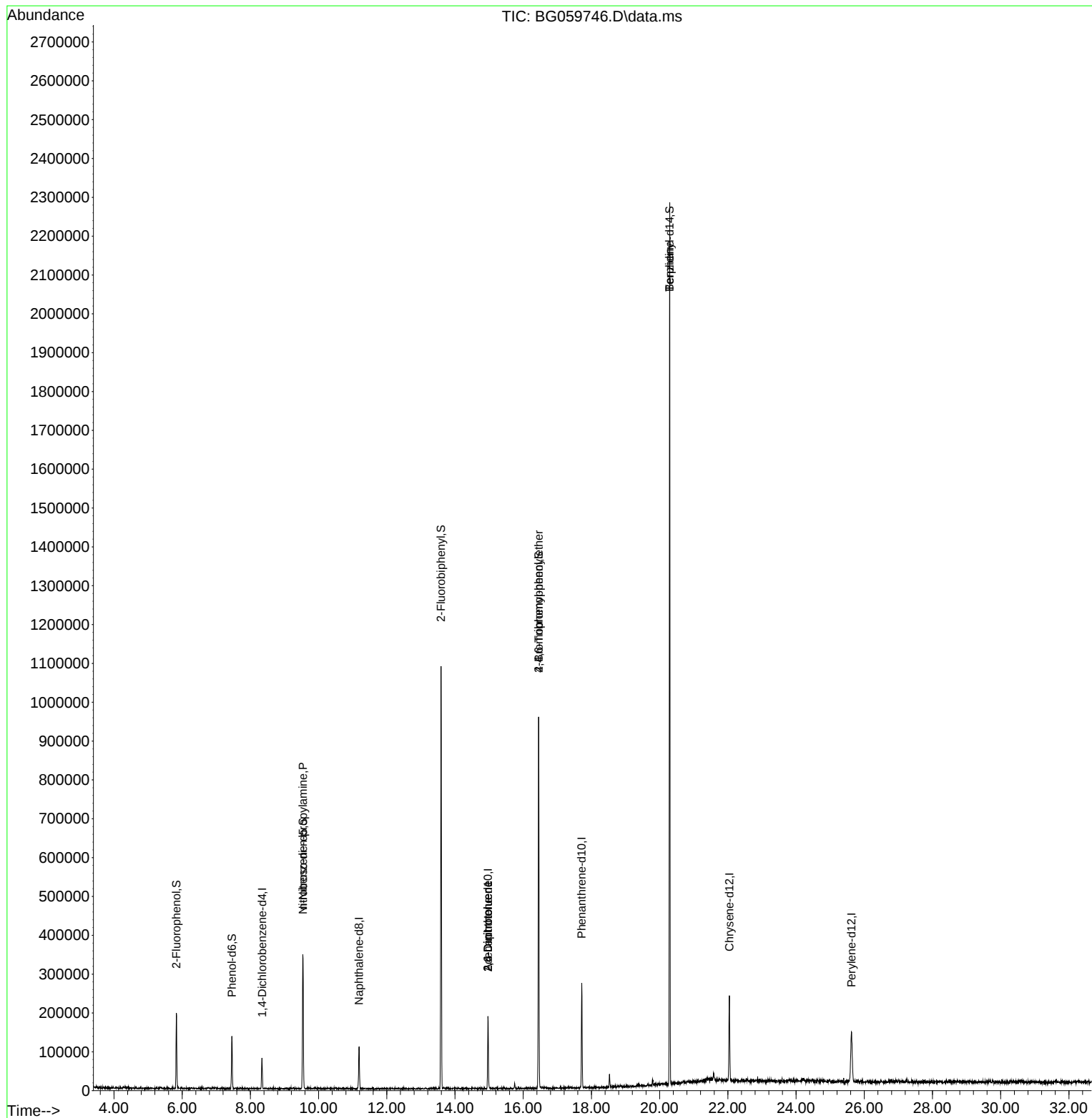
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.344  | 152  | 16769    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.182 | 136  | 77171    | 20.000  | ng    | #-0.01   |
| 39) Acenaphthene-d10          | 14.966 | 164  | 54761    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.716 | 188  | 139981   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 22.046 | 240  | 123888   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.624 | 264  | 154576   | 20.000  | ng    | -0.01    |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.830  | 112  | 65537    | 65.781  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.463  | 99   | 55142    | 37.349  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.543  | 82   | 218353   | 108.063 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.452 | 330  | 126663   | 203.857 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.591 | 172  | 442527   | 108.775 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.295 | 244  | 902814   | 107.579 | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.537  | 70   | 34153    | 29.375  | ng    | # 81     |
| 51) 2,6-Dinitrotoluene        | 14.966 | 165  | 6633     | 8.239   | ng    | # 2      |
| 57) 2,4-Dinitrotoluene        | 14.966 | 165  | 6633     | 5.358   | ng    | # 6      |
| 67) 4-Bromophenyl-phenylether | 16.452 | 248  | 8715     | 5.795   | ng    | # 1      |
| 77) Benzdine                  | 20.295 | 184  | 26517    | 9.439   | ng    | # 77     |
| -----                         |        |      |          |         |       |          |

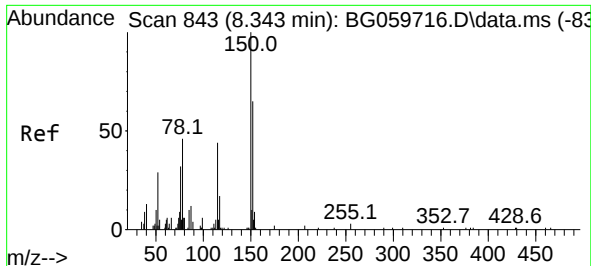
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111723\  
Data File : BG059746.D  
Acq On : 18 Nov 2023 1:42  
Operator : MA/JU  
Sample : 05331-04  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

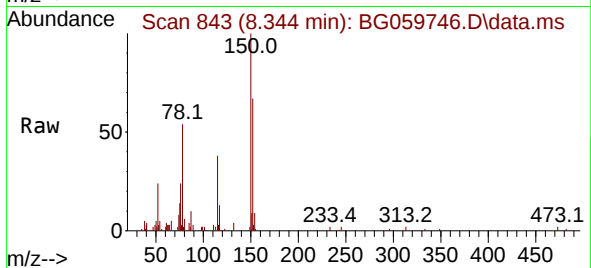
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 17 01:51:38 2023  
Response via : Initial Calibration



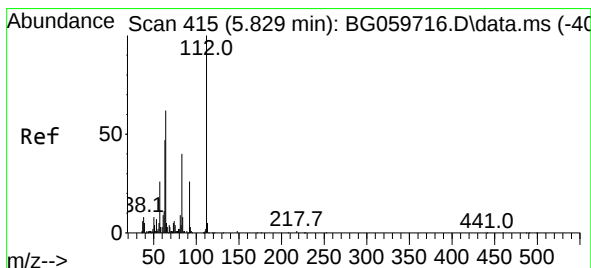
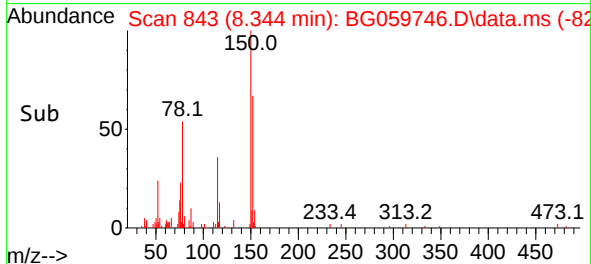
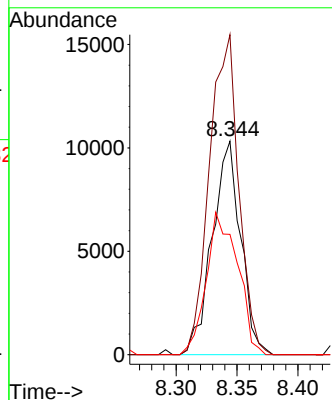


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.344 min Scan# 843  
Delta R.T. 0.001 min  
Lab File: BG059746.D  
Acq: 18 Nov 2023 1:42

Instrument :  
BNA\_G  
ClientSampleId :

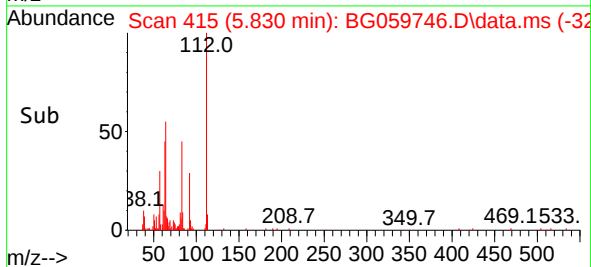
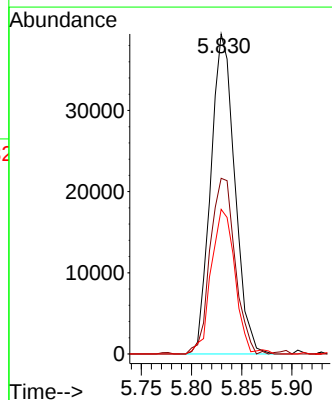
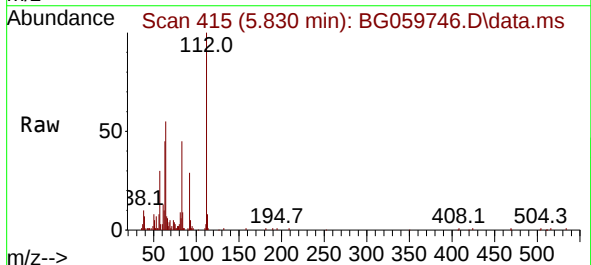


Tgt Ion:152 Resp: 16769  
Ion Ratio Lower Upper  
152 100  
150 149.9 122.2 183.4  
115 56.4 54.2 81.4



#5  
2-Fluorophenol  
Concen: 65.781 ng  
RT: 5.830 min Scan# 415  
Delta R.T. 0.001 min  
Lab File: BG059746.D  
Acq: 18 Nov 2023 1:42

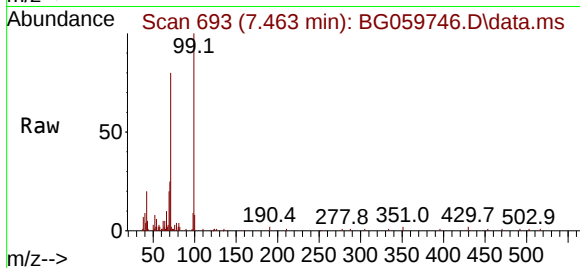
Tgt Ion:112 Resp: 65537  
Ion Ratio Lower Upper  
112 100  
64 54.9 49.5 74.3  
63 45.2 37.4 56.2



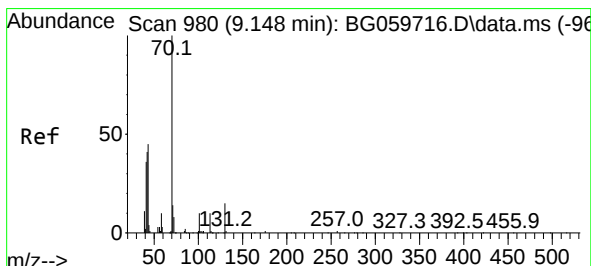
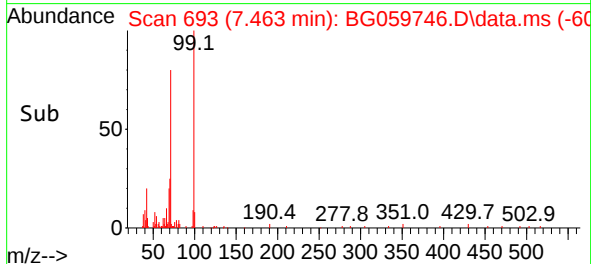
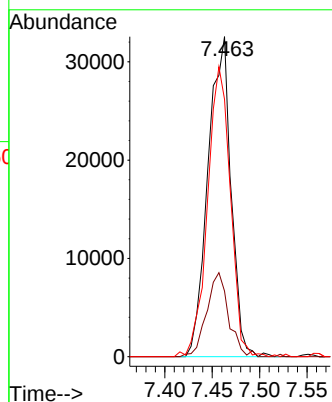


#7  
Phenol-d6  
Concen: 37.349 ng  
RT: 7.463 min Scan# 692  
Delta R.T. 0.007 min  
Lab File: BG059746.D  
Acq: 18 Nov 2023 1:42

Instrument :  
BNA\_G  
ClientSampleId :

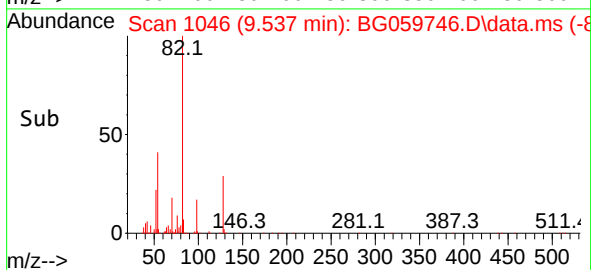
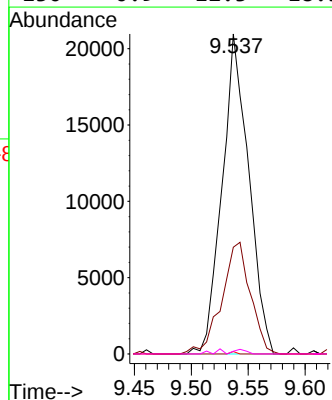
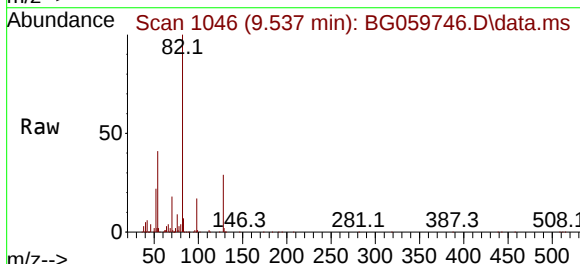


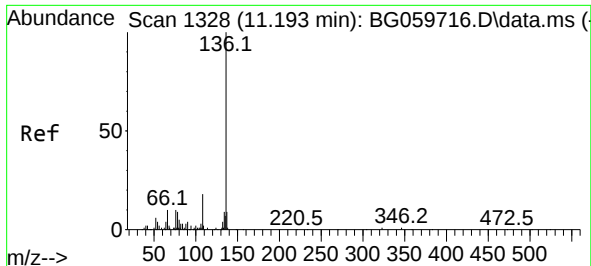
Tgt Ion: 99 Resp: 55142  
Ion Ratio Lower Upper  
99 100  
42 20.5 14.3 21.5  
71 80.4 59.3 88.9



#19  
n-Nitroso-di-n-propylamine  
Concen: 29.375 ng  
RT: 9.537 min Scan# 1046  
Delta R.T. 0.389 min  
Lab File: BG059746.D  
Acq: 18 Nov 2023 1:42

Tgt Ion: 70 Resp: 34153  
Ion Ratio Lower Upper  
70 100  
42 33.4 32.8 49.2  
101 0.8 7.7 11.5#  
130 0.9 12.3 18.5#

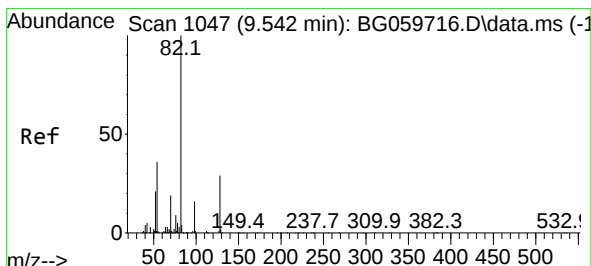
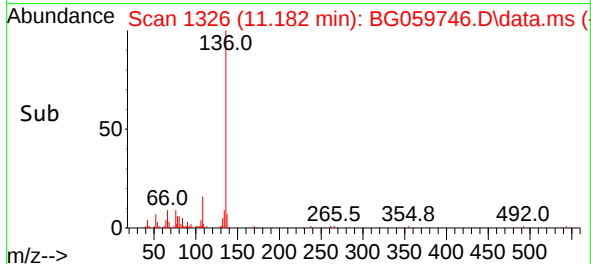
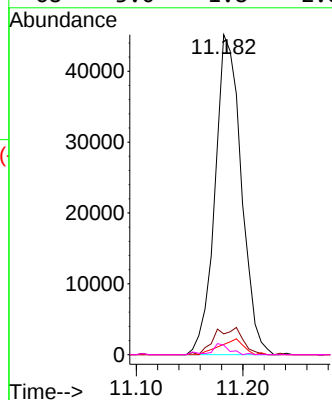
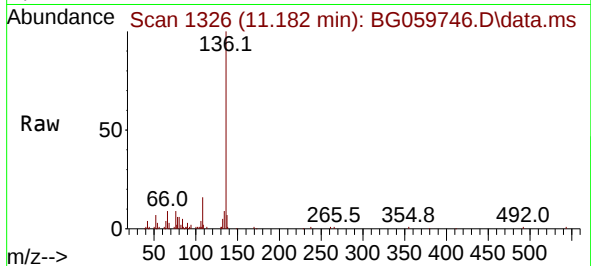




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.182 min Scan# 111  
Delta R.T. -0.011 min  
Lab File: BG059746.D  
Acq: 18 Nov 2023 1:42

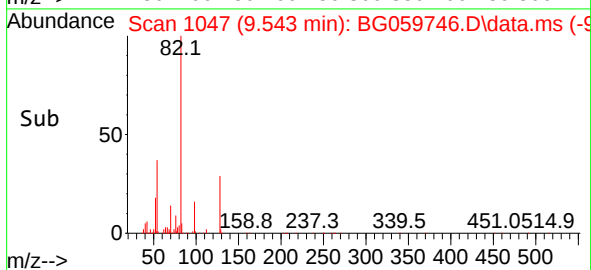
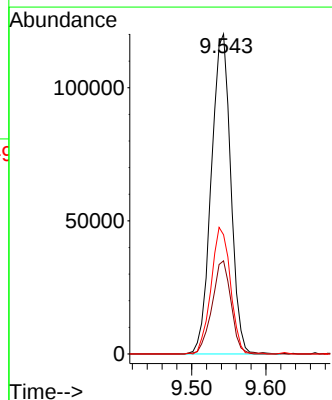
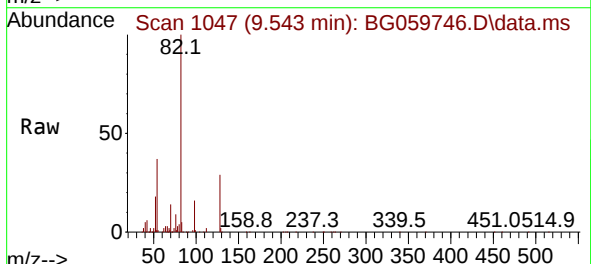
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BNA\_G  
ClientSampleId :

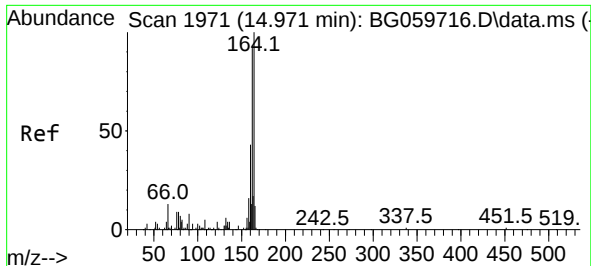
Tgt Ion:136 Resp: 77171  
Ion Ratio Lower Upper  
136 100  
137 6.5 7.4 11.0#  
54 3.2 3.1 4.7  
68 3.0 1.8 2.8#



#23  
Nitrobenzene-d5  
Concen: 108.063 ng  
RT: 9.543 min Scan# 1047  
Delta R.T. 0.001 min  
Lab File: BG059746.D  
Acq: 18 Nov 2023 1:42

Tgt Ion: 82 Resp: 218353  
Ion Ratio Lower Upper  
82 100  
128 29.1 23.0 34.6  
54 37.2 28.7 43.1

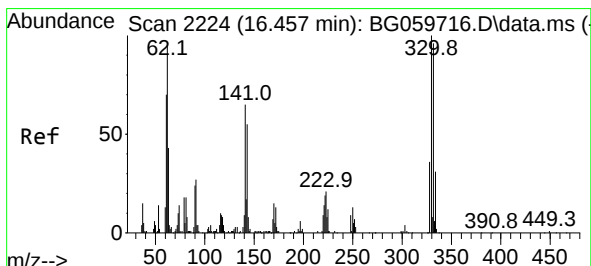
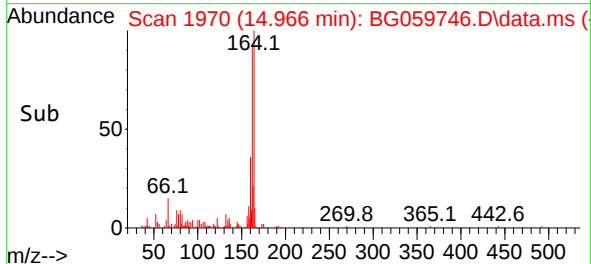
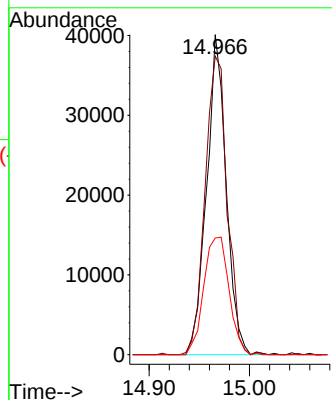
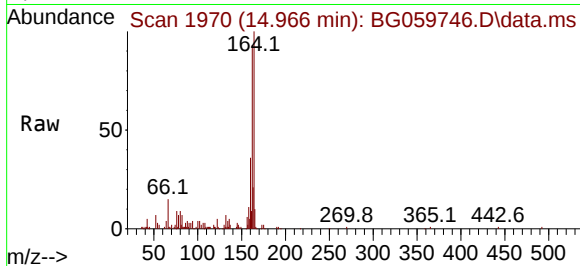




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.966 min Scan# 1970  
Delta R.T. -0.005 min  
Lab File: BG059746.D  
Acq: 18 Nov 2023 1:42

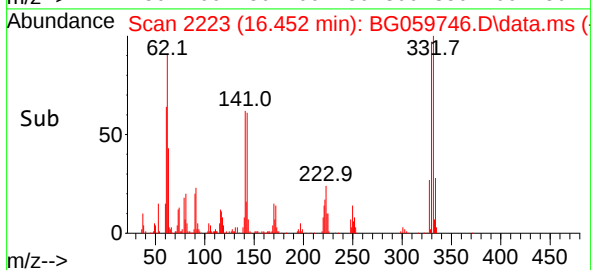
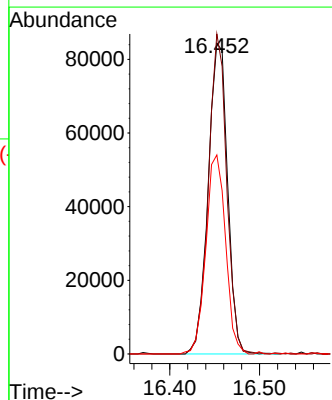
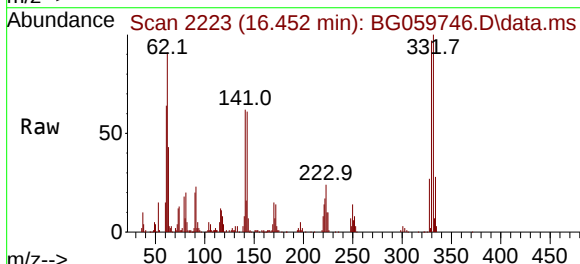
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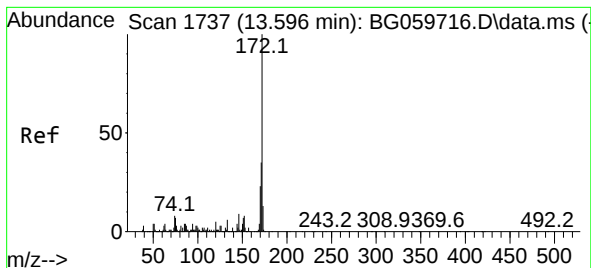
Tgt Ion:164 Resp: 54761  
Ion Ratio Lower Upper  
164 100  
162 93.3 73.3 109.9  
160 36.4 34.1 51.1



#42  
2,4,6-Tribromophenol  
Concen: 203.857 ng  
RT: 16.452 min Scan# 2223  
Delta R.T. -0.005 min  
Lab File: BG059746.D  
Acq: 18 Nov 2023 1:42

Tgt Ion:330 Resp: 126663  
Ion Ratio Lower Upper  
330 100  
332 97.1 73.3 109.9  
141 64.9 52.1 78.1





#45

2-Fluorobiphenyl

Concen: 108.775 ng

RT: 13.591 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG059746.D

Acq: 18 Nov 2023 1:42

Instrument :

BNA\_G

ClientSampleId :

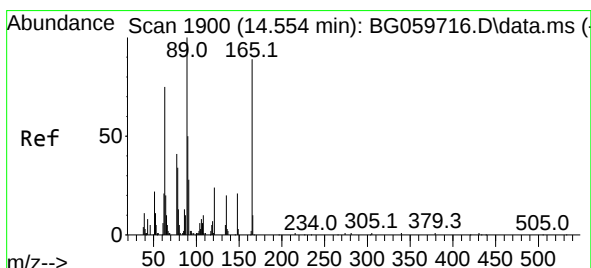
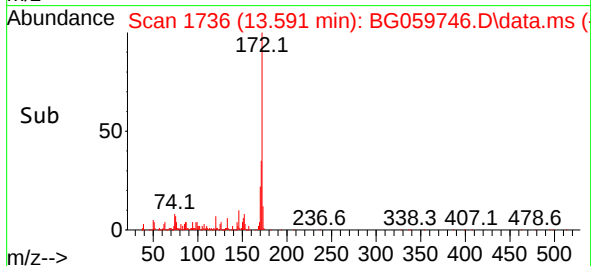
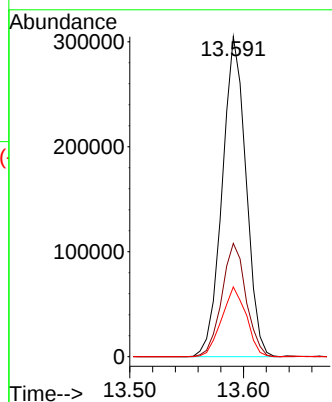
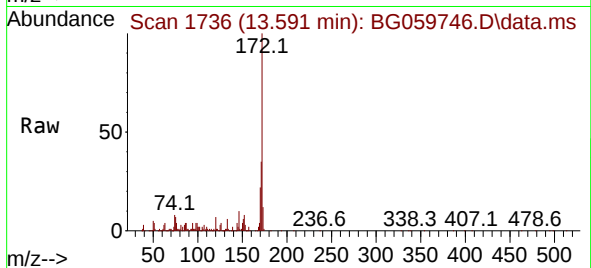
Tgt Ion:172 Resp: 442527

Ion Ratio Lower Upper

172 100

171 35.4 27.7 41.5

170 21.8 18.4 27.6



#51

2,6-Dinitrotoluene

Concen: 8.239 ng

RT: 14.966 min Scan# 1970

Delta R.T. 0.412 min

Lab File: BG059746.D

Acq: 18 Nov 2023 1:42

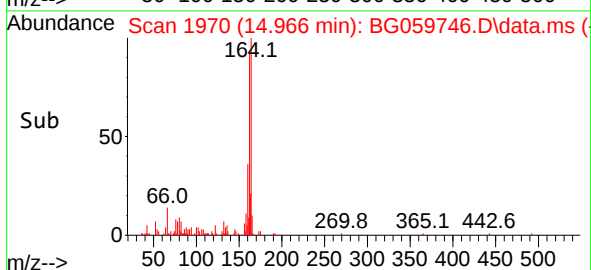
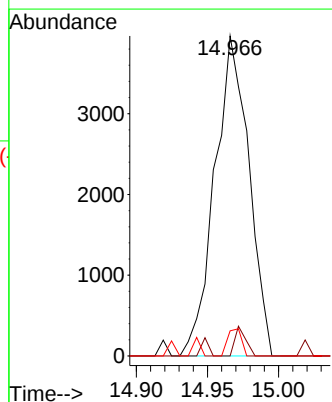
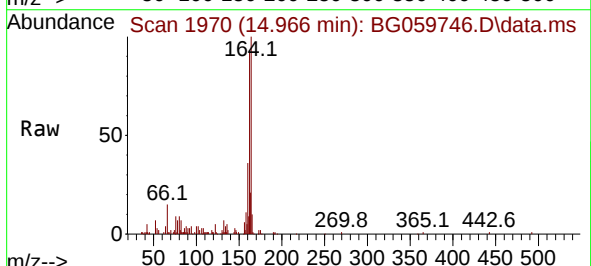
Tgt Ion:165 Resp: 6633

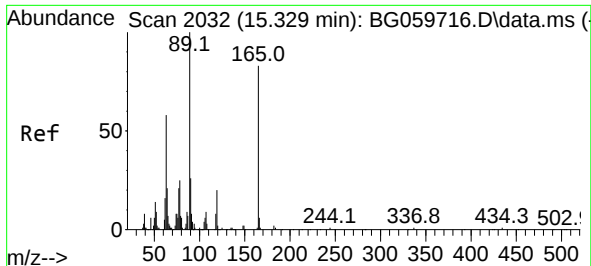
Ion Ratio Lower Upper

165 100

63 0.0 75.3 112.9#

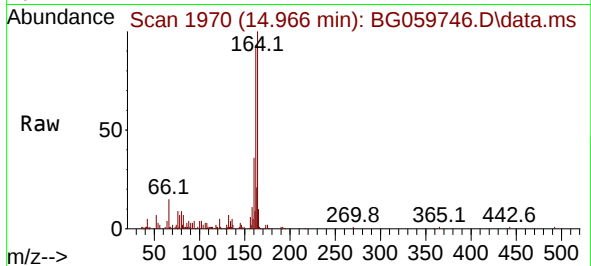
89 7.8 90.9 136.3#



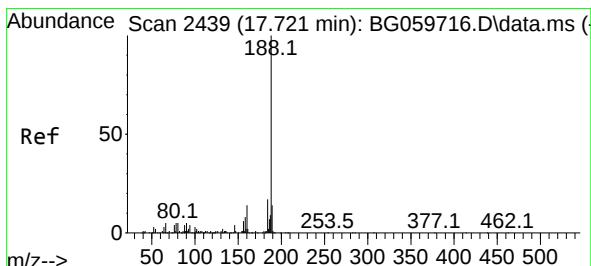
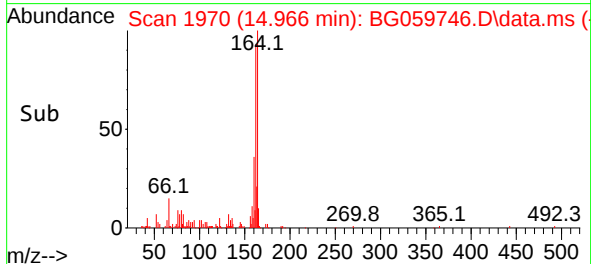
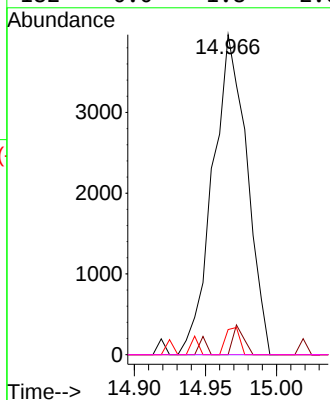


#57  
2,4-Dinitrotoluene  
Concen: 5.358 ng  
RT: 14.966 min Scan# 14  
Delta R.T. -0.363 min  
Lab File: BG059746.D  
Acq: 18 Nov 2023 1:42

Instrument :  
BNA\_G  
ClientSampleId :

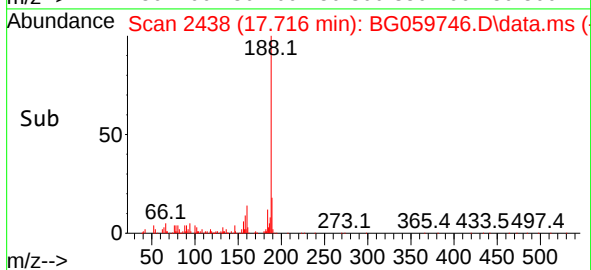
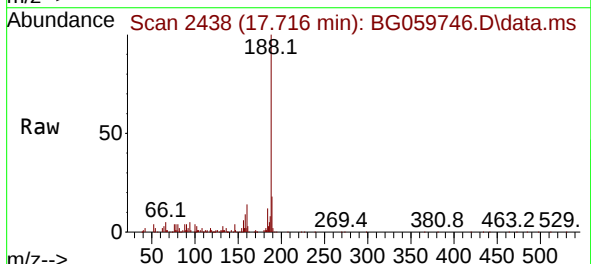
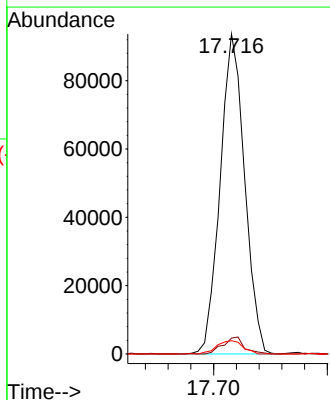


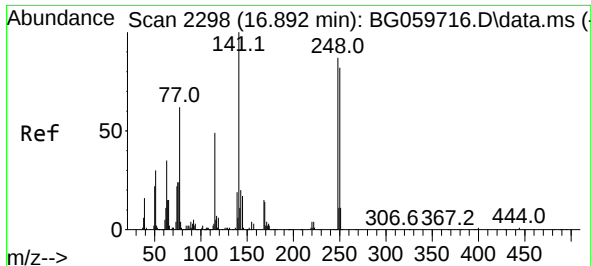
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Ion Ratio Lower Upper  
165 100  
63 0.0 55.8 83.8#  
89 7.8 96.9 145.3#  
182 0.0 1.8 2.6#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.716 min Scan# 2438  
Delta R.T. -0.005 min  
Lab File: BG059746.D  
Acq: 18 Nov 2023 1:42

Tgt Ion:188 Resp: 139981  
Ion Ratio Lower Upper  
188 100  
94 4.9 3.0 4.4#  
80 4.2 4.2 6.4#

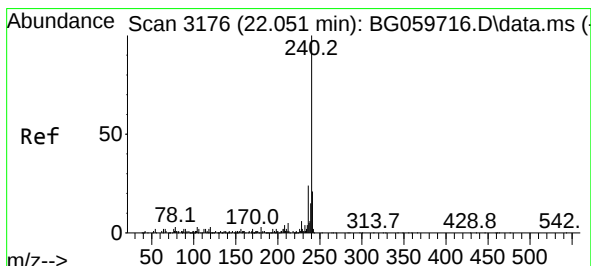
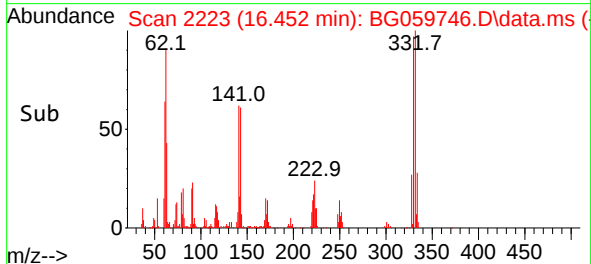
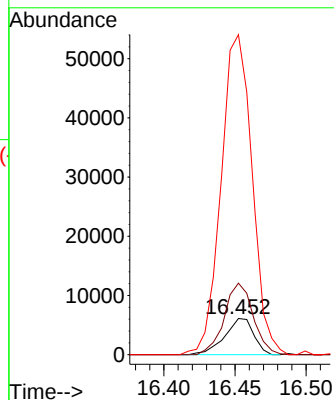
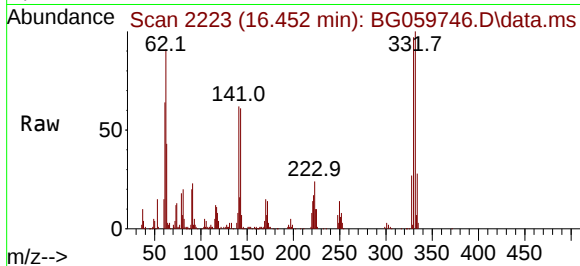




#67  
4-Bromophenyl-phenylether  
Concen: 5.795 ng  
RT: 16.452 min Scan# 211  
Delta R.T. -0.440 min  
Lab File: BG059746.D  
Acq: 18 Nov 2023 1:42

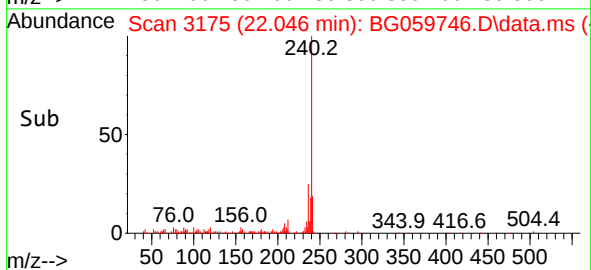
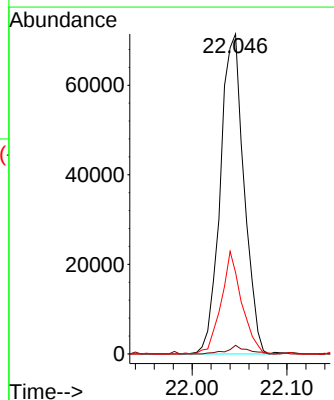
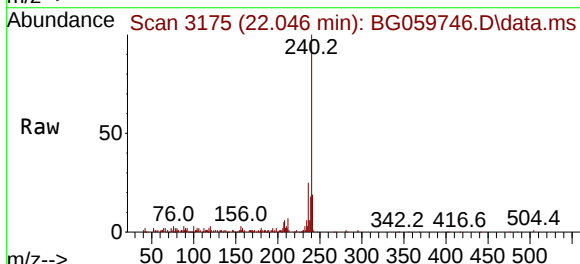
Instrument :  
BNA\_G  
ClientSampleId :

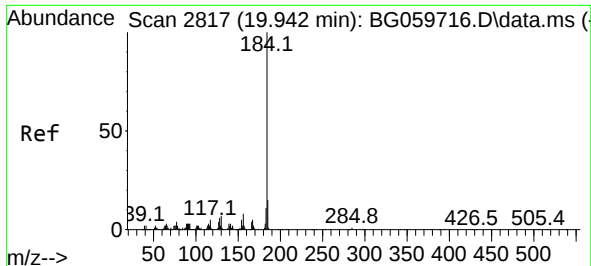
Tgt Ion:248 Resp: 8715  
Ion Ratio Lower Upper  
248 100  
250 198.0 75.2 112.8#  
141 886.0 91.5 137.3#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.046 min Scan# 3175  
Delta R.T. -0.005 min  
Lab File: BG059746.D  
Acq: 18 Nov 2023 1:42

Tgt Ion:240 Resp: 123888  
Ion Ratio Lower Upper  
240 100  
120 2.7 2.2 3.2  
236 25.5 19.4 29.2

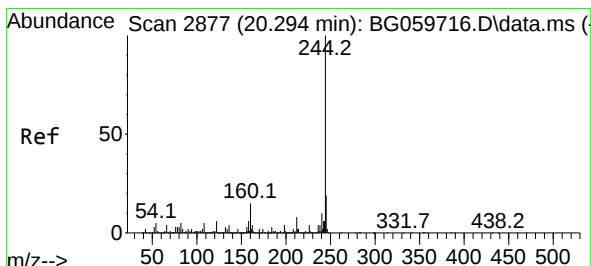
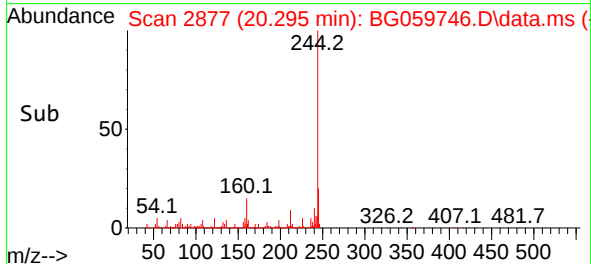
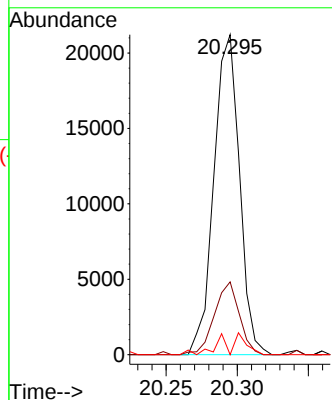
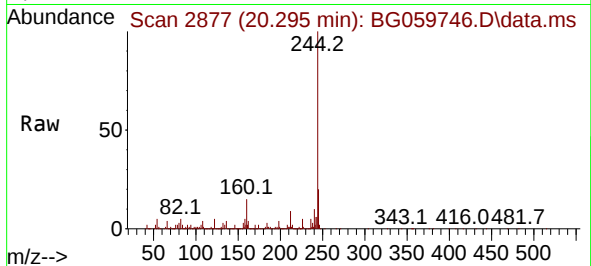




#77  
Benzidine  
Concen: 9.439 ng  
RT: 20.295 min Scan# 2817  
Delta R.T. 0.353 min  
Lab File: BG059746.D  
Acq: 18 Nov 2023 1:42

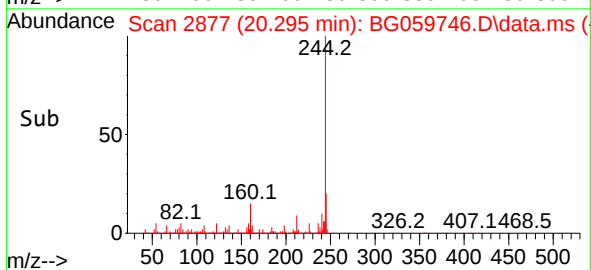
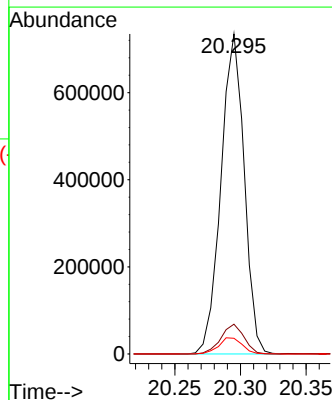
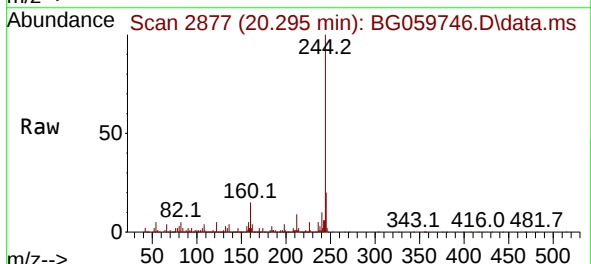
Instrument :  
BNA\_G  
ClientSampleId :

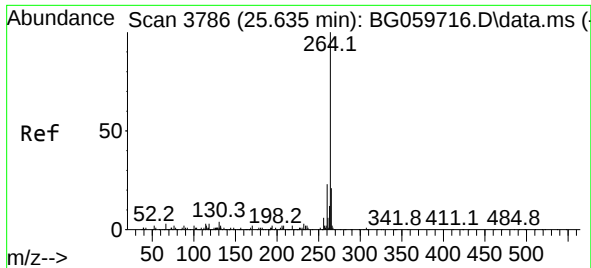
Tgt Ion:184 Resp: 26517  
Ion Ratio Lower Upper  
184 100  
185 22.7 12.2 18.2#  
183 0.0 8.8 13.2#



#79  
Terphenyl-d14  
Concen: 107.579 ng  
RT: 20.295 min Scan# 2877  
Delta R.T. 0.001 min  
Lab File: BG059746.D  
Acq: 18 Nov 2023 1:42

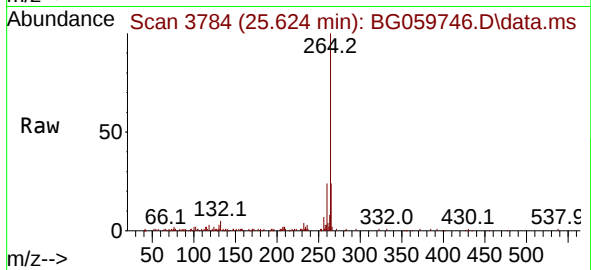
Tgt Ion:244 Resp: 902814  
Ion Ratio Lower Upper  
244 100  
212 9.3 6.6 10.0  
122 4.9 4.4 6.6





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.624 min Scan# 31  
 Delta R.T. -0.011 min  
 Lab File: BG059746.D  
 Acq: 18 Nov 2023 1:42

Instrument :  
 BNA\_G  
 ClientSampleId :



Tgt Ion:264 Resp: 154576  
 Ion Ratio Lower Upper  
 264 100  
 260 24.0 18.5 27.7  
 265 24.5 17.0 25.6

