

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG051222\  
 Data File : BG053529.D  
 Acq On : 12 May 2022 10:40  
 Operator : CG/JU  
 Sample : PB144721BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB144721BL

Quant Time: May 13 06:36:03 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG050522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 11 06:00:46 2022  
 Response via : Initial Calibration

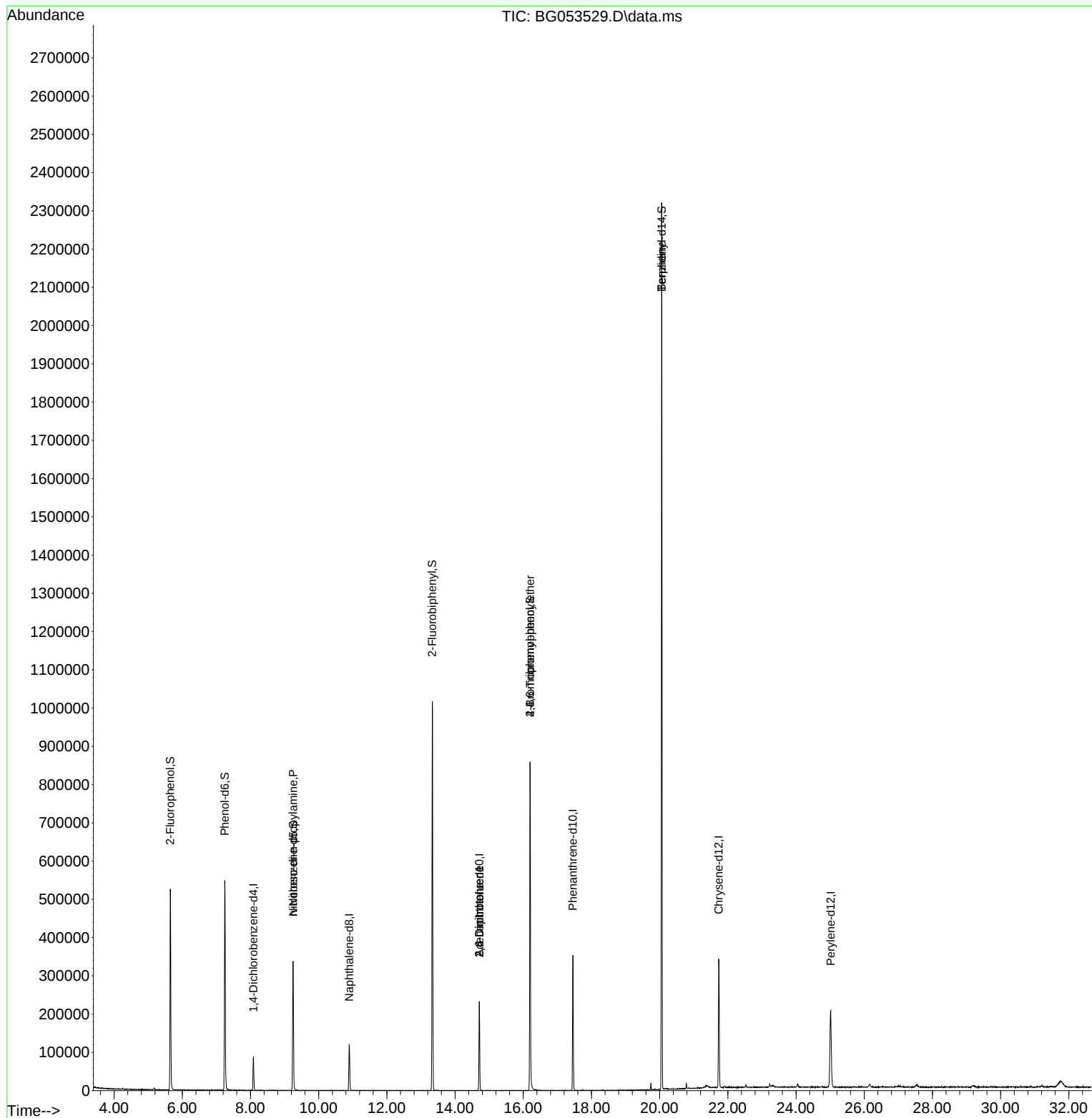
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.087  | 152  | 23395    | 20.000  | ng     | 0.00     |
| 21) Naphthalene-d8            | 10.895 | 136  | 102455   | 20.000  | ng     | 0.00     |
| 39) Acenaphthene-d10          | 14.713 | 164  | 83855    | 20.000  | ng     | 0.00     |
| 64) Phenanthrene-d10          | 17.456 | 188  | 221323   | 20.000  | ng     | 0.00     |
| 76) Chrysene-d12              | 21.733 | 240  | 226671   | 20.000  | ng     | 0.00     |
| 86) Perylene-d12              | 25.017 | 264  | 227401   | 20.000  | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 5) 2-Fluorophenol             | 5.649  | 112  | 214155   | 155.354 | ng     | 0.00     |
| 7) Phenol-d6                  | 7.247  | 99   | 312999   | 149.611 | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 9.250  | 82   | 221477   | 92.020  | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.199 | 330  | 176567   | 142.765 | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.333 | 172  | 541270   | 94.323  | ng     | 0.00     |
| 79) Terphenyl-d14             | 20.059 | 244  | 1166436  | 95.842  | ng     | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 19) n-Nitroso-di-n-propyla... | 9.250  | 70   | 31219    | 20.798  | ng     | # 71     |
| 51) 2,6-Dinitrotoluene        | 14.713 | 165  | 11125    | 8.569   | ng     | # 18     |
| 57) 2,4-Dinitrotoluene        | 14.713 | 165  | 11125    | 5.912   | ng     | # 23     |
| 67) 4-Bromophenyl-phenylether | 16.199 | 248  | 11385    | 4.405   | ng     | # 1      |
| 77) Benzidine                 | 20.059 | 184  | 19494    | 3.990   | ng     | # 91     |
| -----                         |        |      |          |         |        |          |

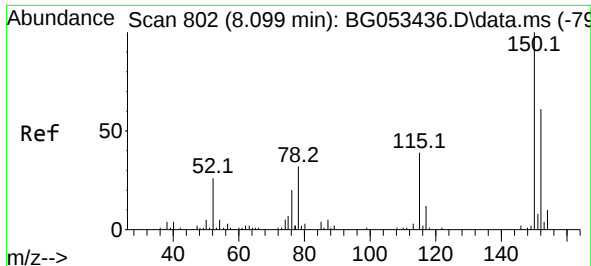
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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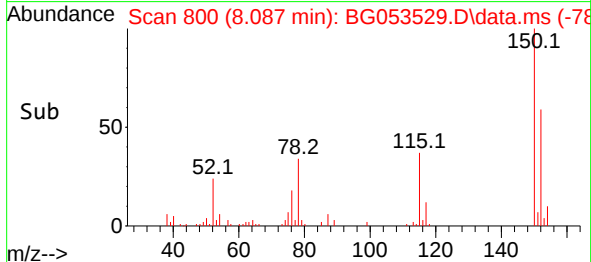
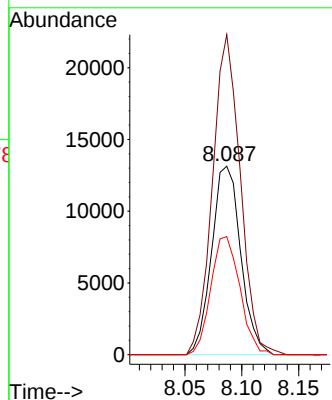
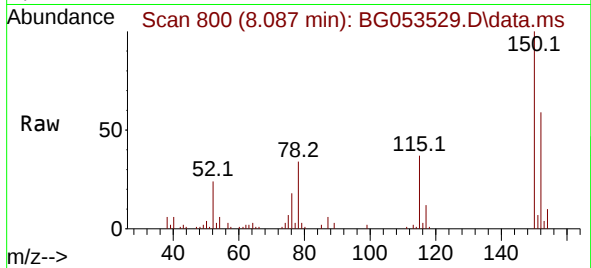




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.087 min Scan# 80  
Delta R.T. -0.002 min  
Lab File: BG053529.D  
Acq: 12 May 2022 10:40

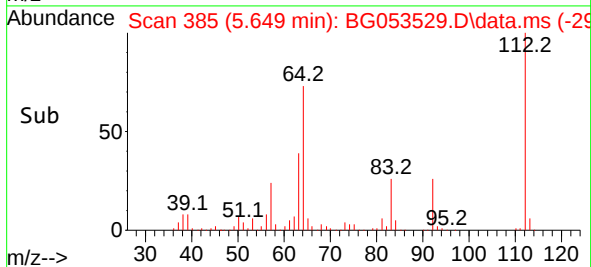
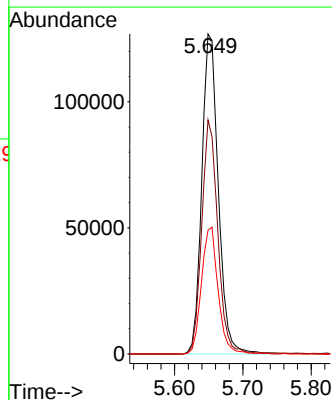
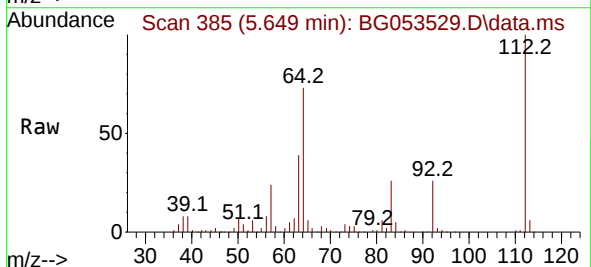
Instrument :  
BNA\_G  
ClientSampleId :  
PB144721BL

Tgt Ion:152 Resp: 23395  
Ion Ratio Lower Upper  
152 100  
150 169.7 131.6 197.4  
115 62.6 50.9 76.3



#5  
2-Fluorophenol  
Concen: 155.354 ng  
RT: 5.649 min Scan# 385  
Delta R.T. -0.003 min  
Lab File: BG053529.D  
Acq: 12 May 2022 10:40

Tgt Ion:112 Resp: 214155  
Ion Ratio Lower Upper  
112 100  
64 73.2 55.1 82.7  
63 38.7 30.4 45.6

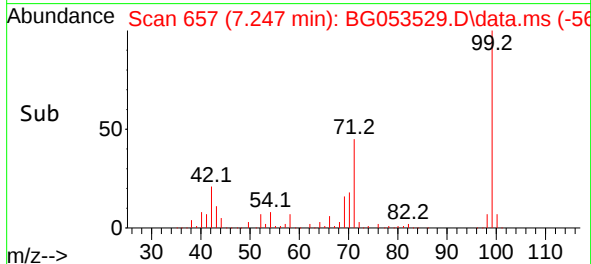
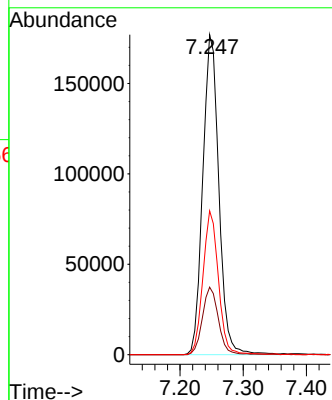
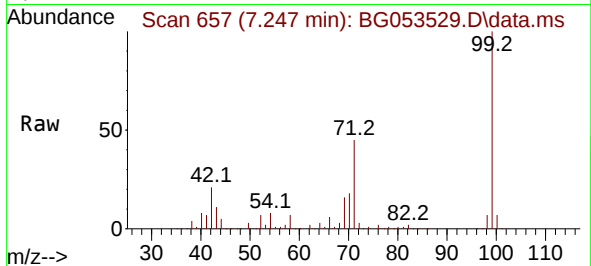




#7  
Phenol-d6  
Concen: 149.611 ng  
RT: 7.247 min Scan# 61  
Delta R.T. -0.003 min  
Lab File: BG053529.D  
Acq: 12 May 2022 10:40

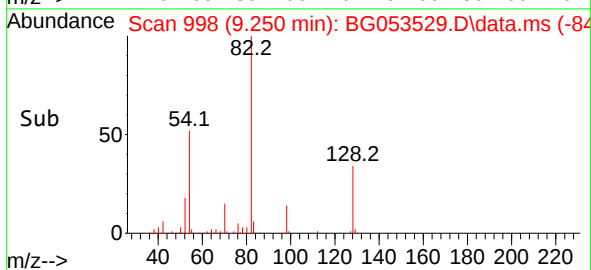
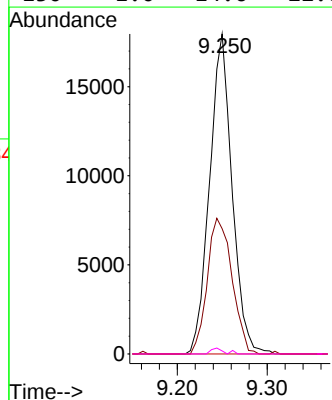
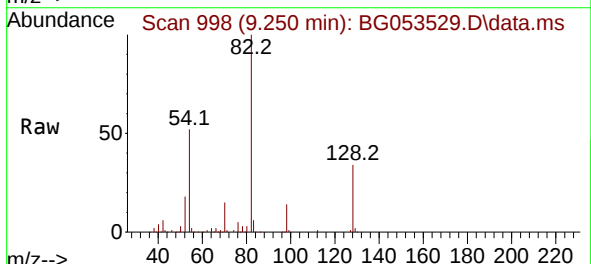
Instrument :  
BNA\_G  
ClientSampleId :  
PB144721BL

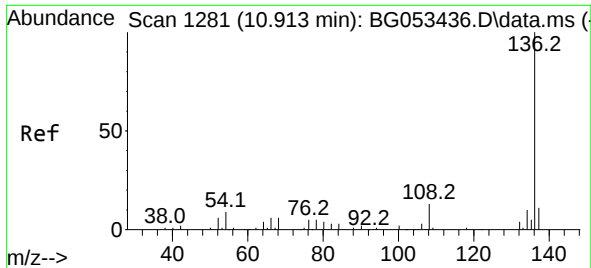
Tgt Ion: 99 Resp: 312999  
Ion Ratio Lower Upper  
99 100  
42 21.1 17.0 25.6  
71 45.0 33.8 50.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 20.798 ng  
RT: 9.250 min Scan# 998  
Delta R.T. 0.361 min  
Lab File: BG053529.D  
Acq: 12 May 2022 10:40

Tgt Ion: 70 Resp: 31219  
Ion Ratio Lower Upper  
70 100  
42 39.2 47.3 70.9#  
101 0.0 7.0 10.4#  
130 1.0 14.6 22.0#

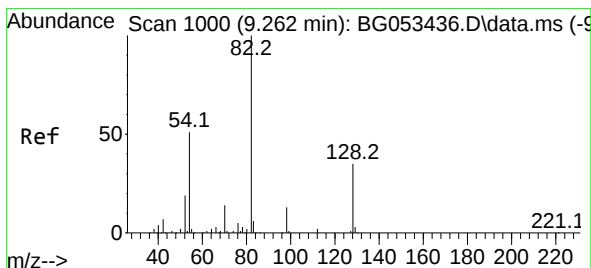
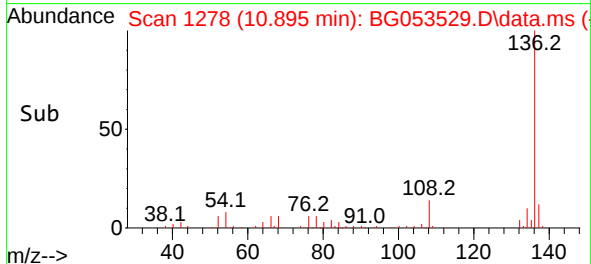
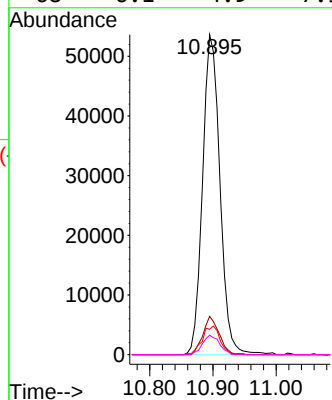
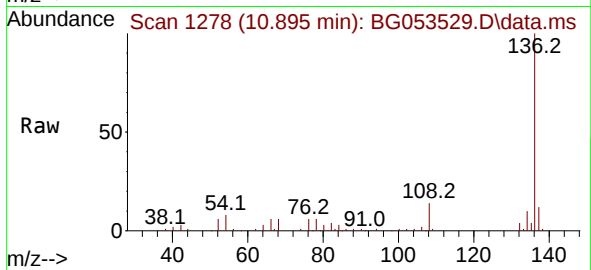




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.895 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: BG053529.D  
Acq: 12 May 2022 10:40

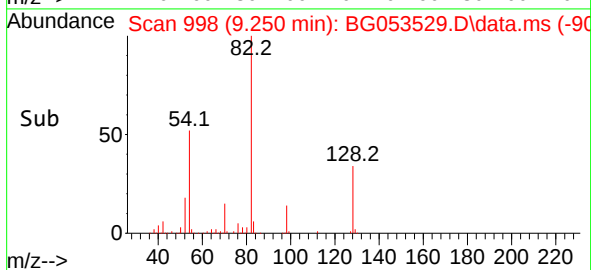
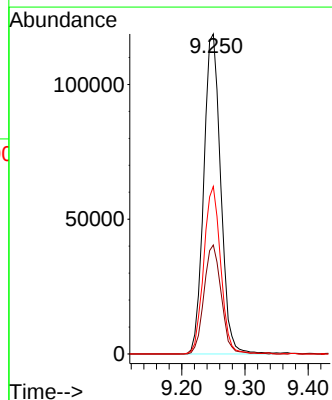
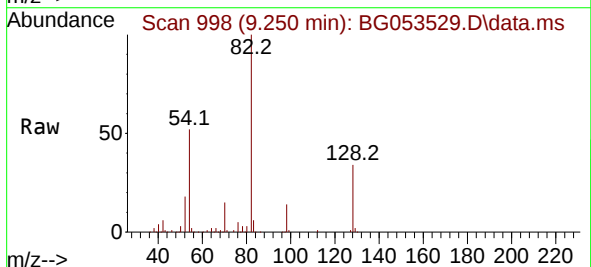
Instrument :  
BNA\_G  
ClientSampleId :  
PB144721BL

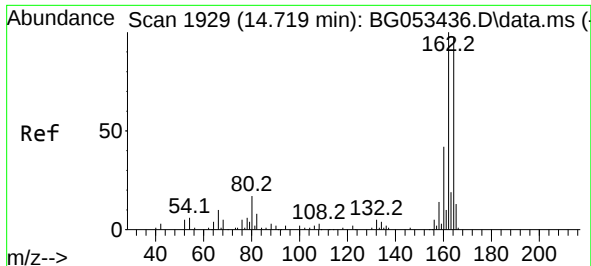
Tgt Ion:136 Resp: 102455  
Ion Ratio Lower Upper  
136 100  
137 12.0 8.5 12.7  
54 7.9 7.4 11.2  
68 6.1 4.9 7.3



#23  
Nitrobenzene-d5  
Concen: 92.020 ng  
RT: 9.250 min Scan# 998  
Delta R.T. -0.003 min  
Lab File: BG053529.D  
Acq: 12 May 2022 10:40

Tgt Ion: 82 Resp: 221477  
Ion Ratio Lower Upper  
82 100  
128 34.0 27.9 41.9  
54 52.3 41.2 61.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.713 min Scan# 1929

Delta R.T. -0.003 min

Lab File: BG053529.D

Acq: 12 May 2022 10:40

Instrument :

BNA\_G

ClientSampleId :

PB144721BL

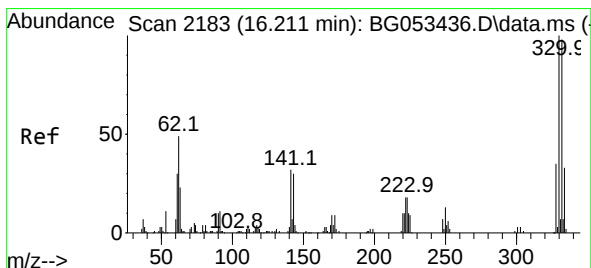
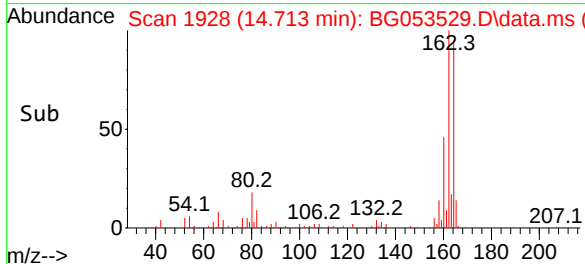
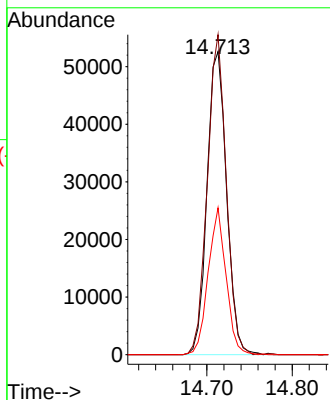
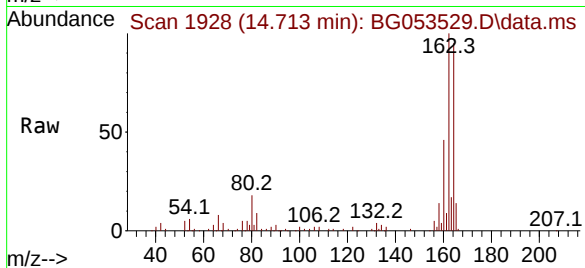
Tgt Ion:164 Resp: 83855

Ion Ratio Lower Upper

164 100

162 105.5 82.3 123.5

160 48.5 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 142.765 ng

RT: 16.199 min Scan# 2181

Delta R.T. -0.003 min

Lab File: BG053529.D

Acq: 12 May 2022 10:40

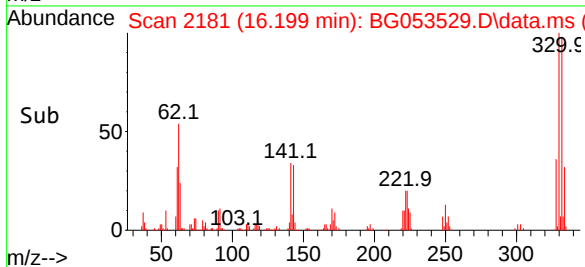
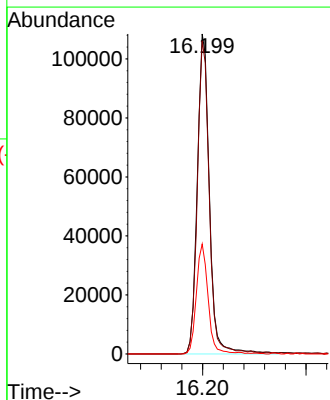
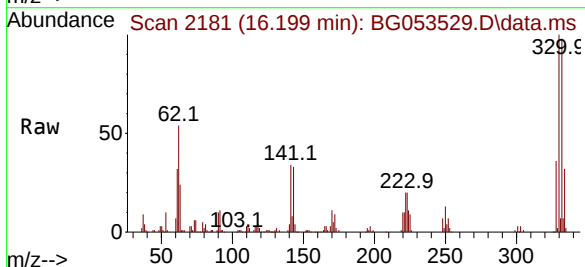
Tgt Ion:330 Resp: 176567

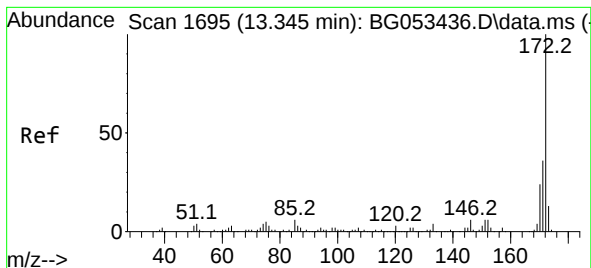
Ion Ratio Lower Upper

330 100

332 96.0 76.0 114.0

141 33.5 27.1 40.7

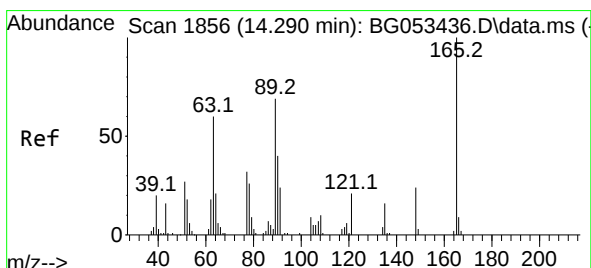
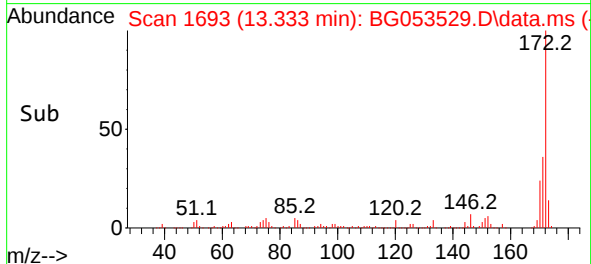
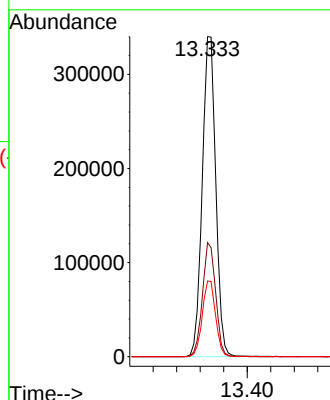
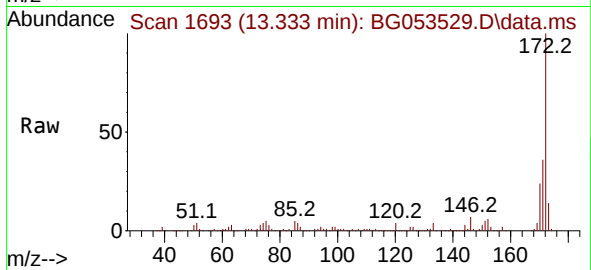




#45  
2-Fluorobiphenyl  
Concen: 94.323 ng  
RT: 13.333 min Scan# 1  
Delta R.T. -0.003 min  
Lab File: BG053529.D  
Acq: 12 May 2022 10:40

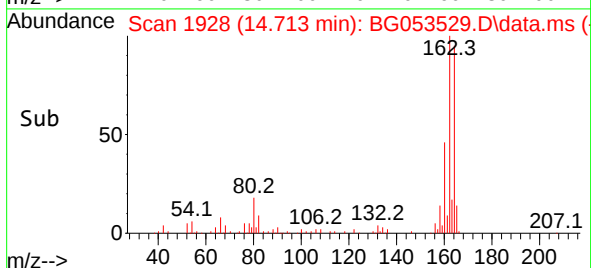
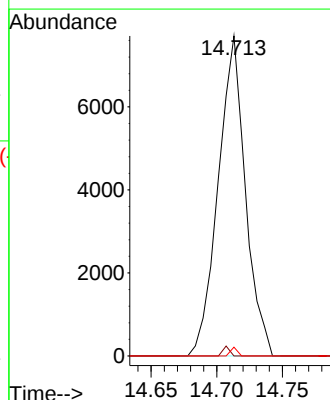
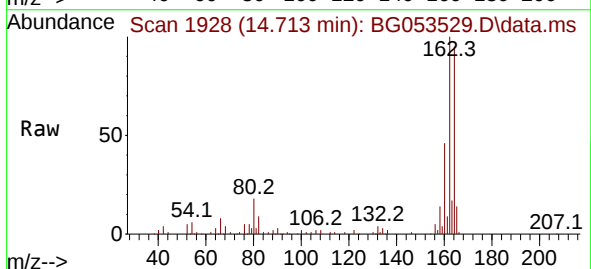
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ClientSampleId :  
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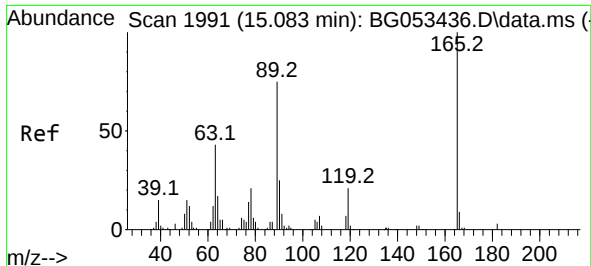
Tgt Ion:172 Resp: 541270  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.5 42.7  
170 23.7 18.9 28.3



#51  
2,6-Dinitrotoluene  
Concen: 8.569 ng  
RT: 14.713 min Scan# 1928  
Delta R.T. 0.432 min  
Lab File: BG053529.D  
Acq: 12 May 2022 10:40

Tgt Ion:165 Resp: 11125  
Ion Ratio Lower Upper  
165 100  
63 0.0 54.1 81.1#  
89 2.7 54.8 82.2#

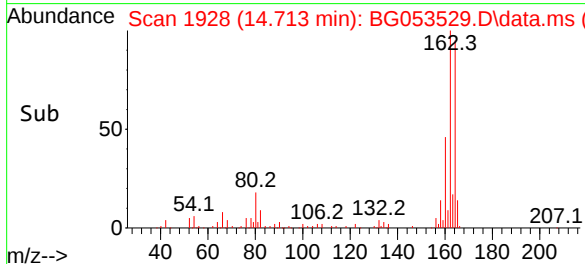
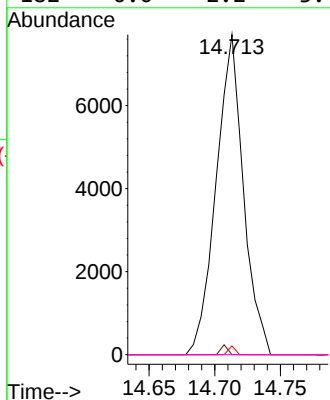
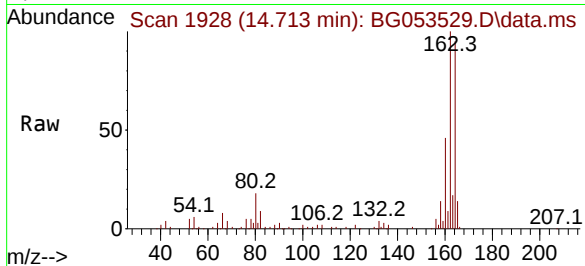




#57  
2,4-Dinitrotoluene  
Concen: 5.912 ng  
RT: 14.713 min Scan# 1991  
Delta R.T. -0.361 min  
Lab File: BG053529.D  
Acq: 12 May 2022 10:40

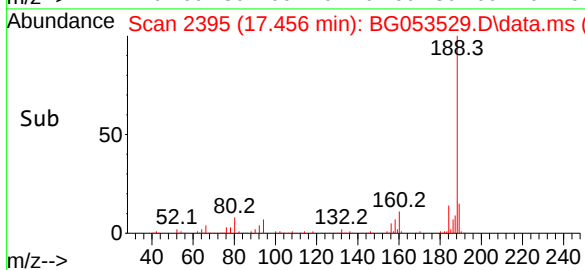
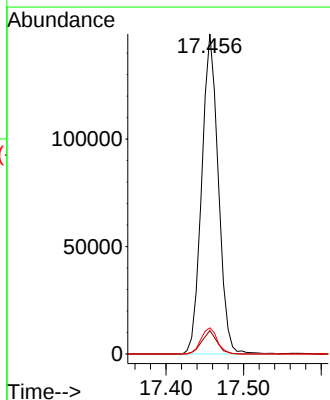
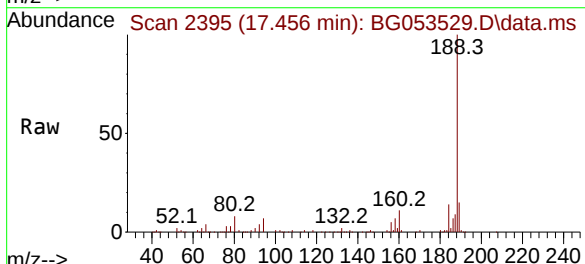
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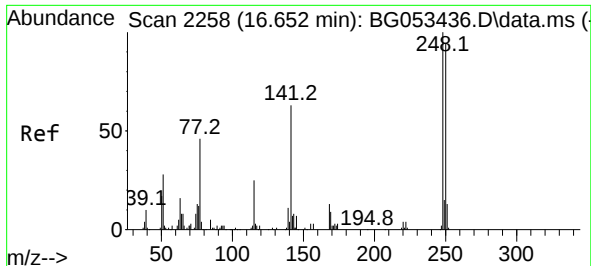
Tgt Ion:165 Resp: 11125  
Ion Ratio Lower Upper  
165 100  
63 0.0 34.6 52.0#  
89 2.7 60.3 90.5#  
182 0.0 2.2 3.4#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.456 min Scan# 2395  
Delta R.T. -0.003 min  
Lab File: BG053529.D  
Acq: 12 May 2022 10:40

Tgt Ion:188 Resp: 221323  
Ion Ratio Lower Upper  
188 100  
94 7.3 5.4 8.0  
80 8.2 6.8 10.2

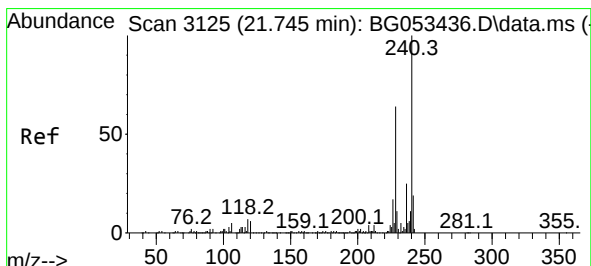
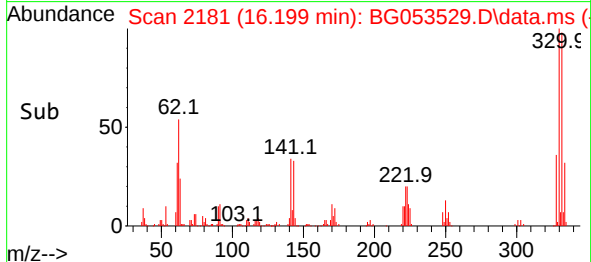
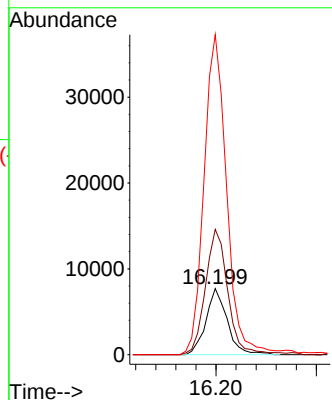
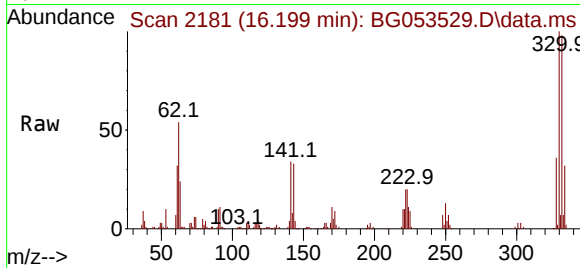




#67  
4-Bromophenyl-phenylether  
Concen: 4.405 ng  
RT: 16.199 min Scan# 21185  
Delta R.T. -0.443 min  
Lab File: BG053529.D  
Acq: 12 May 2022 10:40

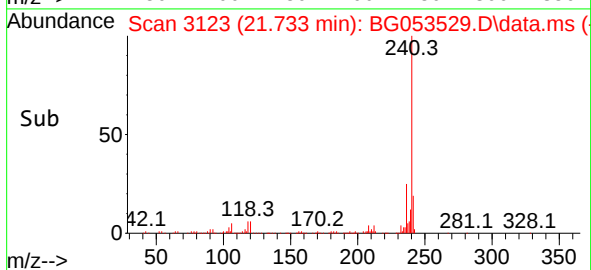
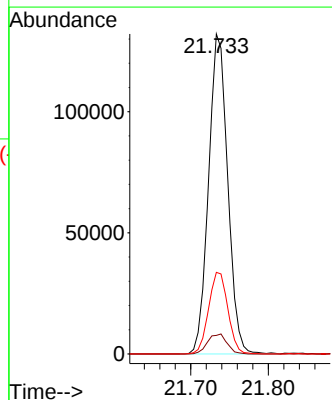
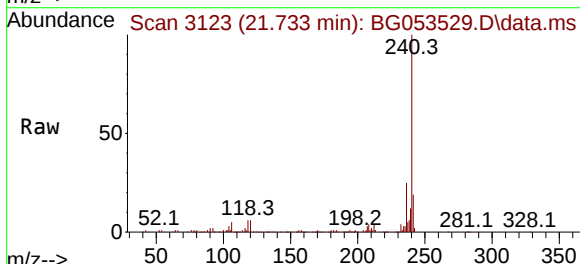
Instrument :  
BNA\_G  
ClientSampleId :  
PB144721BL

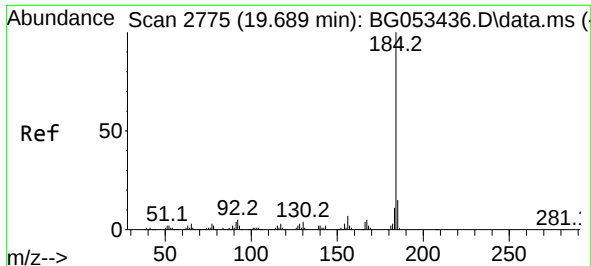
Tgt Ion:248 Resp: 11385  
Ion Ratio Lower Upper  
248 100  
250 189.4 75.2 112.8#  
141 484.0 50.0 75.0#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.733 min Scan# 3123  
Delta R.T. -0.009 min  
Lab File: BG053529.D  
Acq: 12 May 2022 10:40

Tgt Ion:240 Resp: 226671  
Ion Ratio Lower Upper  
240 100  
120 5.8 4.6 7.0  
236 25.5 20.2 30.4

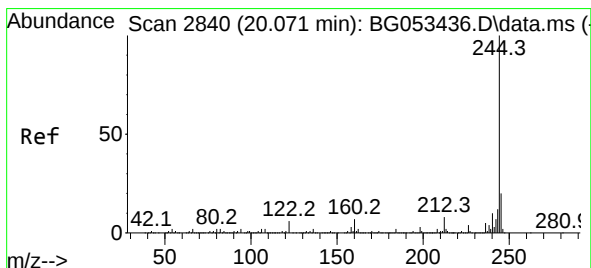
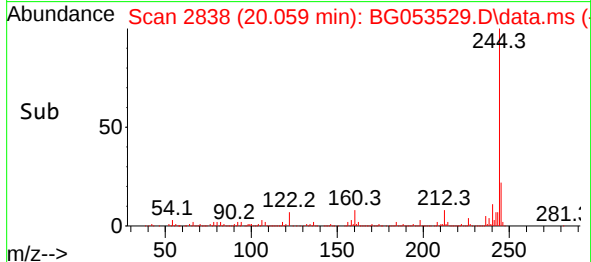
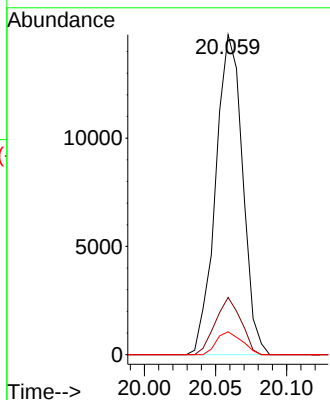
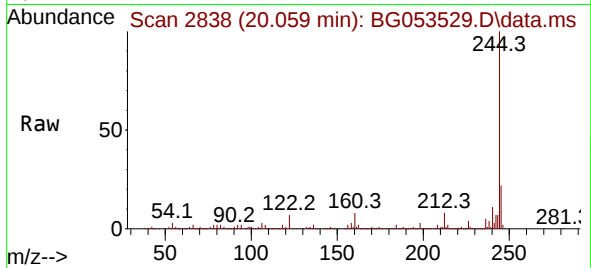




#77  
Benzidine  
Concen: 3.990 ng  
RT: 20.059 min Scan# 21  
Delta R.T. 0.379 min  
Lab File: BG053529.D  
Acq: 12 May 2022 10:40

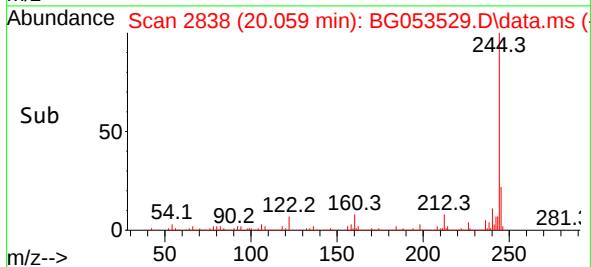
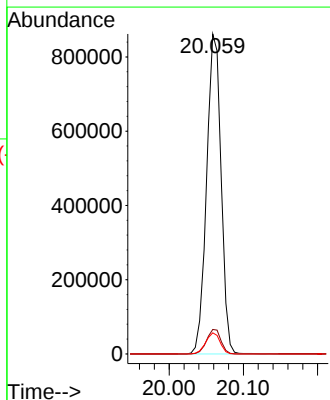
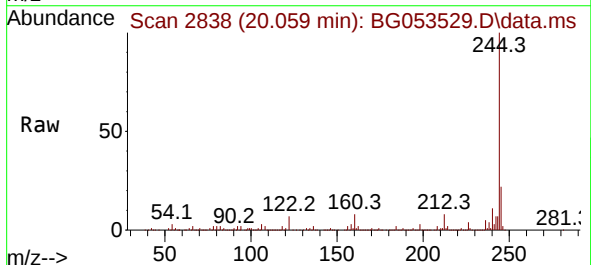
Instrument :  
BNA\_G  
ClientSampleId :  
PB144721BL

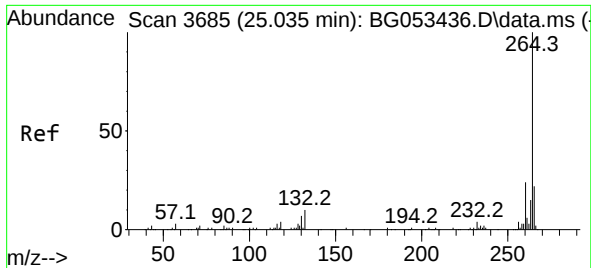
Tgt Ion:184 Resp: 19494  
Ion Ratio Lower Upper  
184 100  
185 17.9 11.8 17.6#  
183 7.1 8.9 13.3#



#79  
Terphenyl-d14  
Concen: 95.842 ng  
RT: 20.059 min Scan# 2838  
Delta R.T. -0.003 min  
Lab File: BG053529.D  
Acq: 12 May 2022 10:40

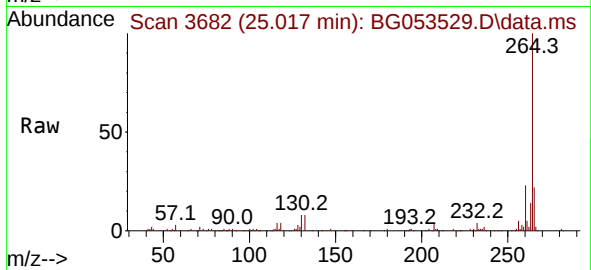
Tgt Ion:244 Resp: 1166436  
Ion Ratio Lower Upper  
244 100  
212 7.7 6.5 9.7  
122 6.6 5.0 7.4





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.017 min Scan# 30  
Delta R.T. -0.003 min  
Lab File: BG053529.D  
Acq: 12 May 2022 10:40

Instrument :  
BNA\_G  
ClientSampleId :  
PB144721BL



Tgt Ion:264 Resp: 227401  
Ion Ratio Lower Upper  
264 100  
260 23.2 19.0 28.6  
265 21.8 17.4 26.2

