

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG040622\  
 Data File : BG053065.D  
 Acq On : 6 Apr 2022 21:41  
 Operator : CG/JU  
 Sample : N2254-01 5X  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-14A-1A-4-1

Quant Time: Apr 07 04:11:20 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG031522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 06 14:35:39 2022  
 Response via : Initial Calibration

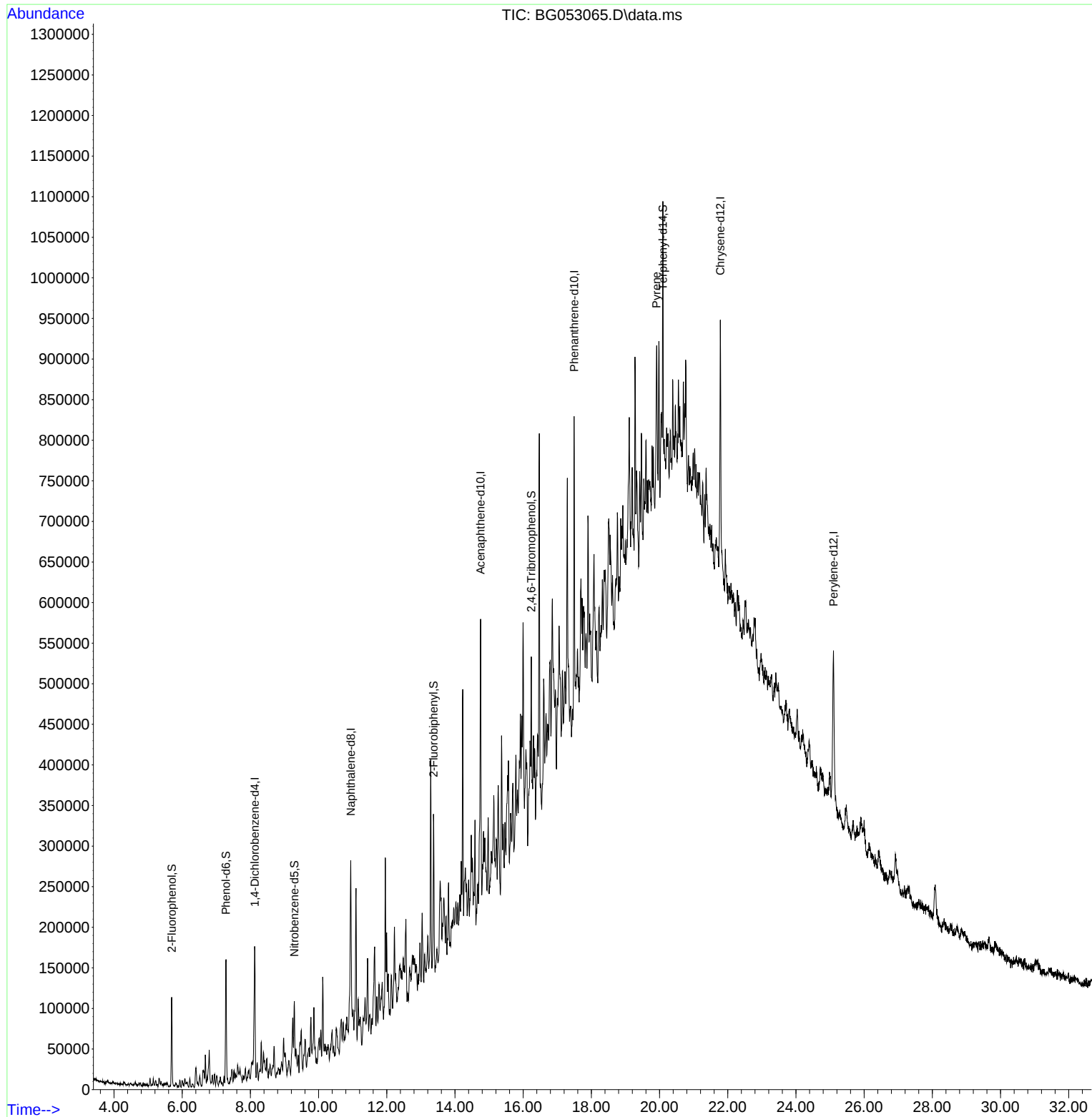
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.131  | 152  | 42632    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.945 | 136  | 162117   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.751 | 164  | 102815   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.495 | 188  | 195370   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.783 | 240  | 196356   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 25.102 | 264  | 210834   | 20.000 | ng    | 0.02     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.693  | 112  | 45751    | 18.689 | ng    | 0.00     |
| 7) Phenol-d6                | 7.285  | 99   | 69445    | 18.817 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.288  | 82   | 49566    | 15.345 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.237 | 330  | 25812    | 18.683 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.377 | 172  | 92158    | 13.220 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.097 | 244  | 131056   | 11.873 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
| 78) Pyrene                  | 19.909 | 202  | 79022    | 5.802  | ng    | # 87     |
| -----                       |        |      |          |        |       |          |

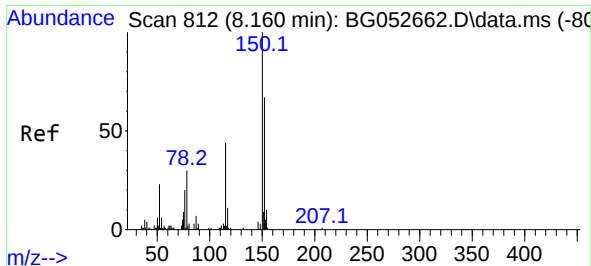
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
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WC-14A-1A-4-1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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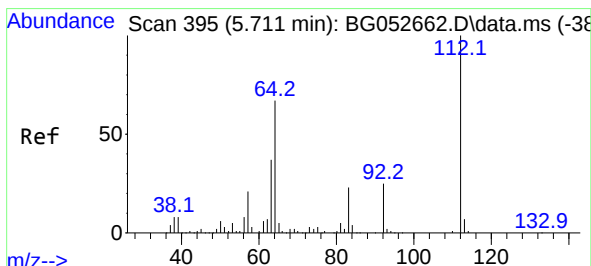
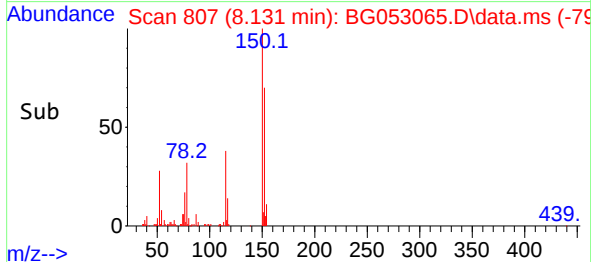
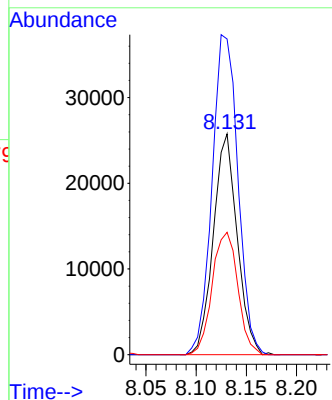
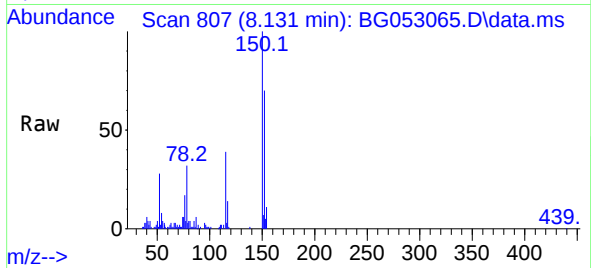




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.131 min Scan# 80  
Delta R.T. 0.003 min  
Lab File: BG053065.D  
Acq: 6 Apr 2022 21:41

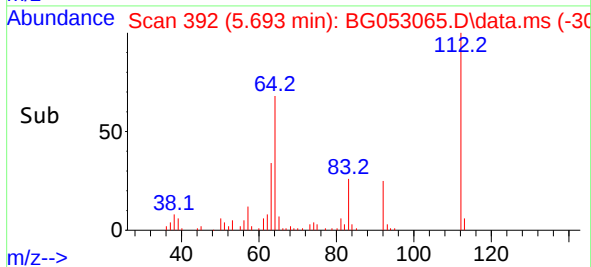
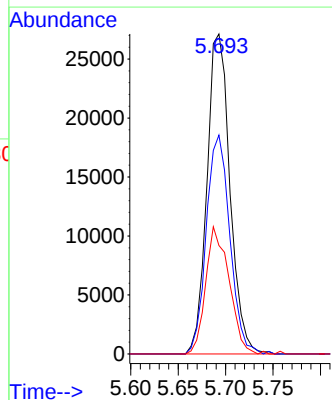
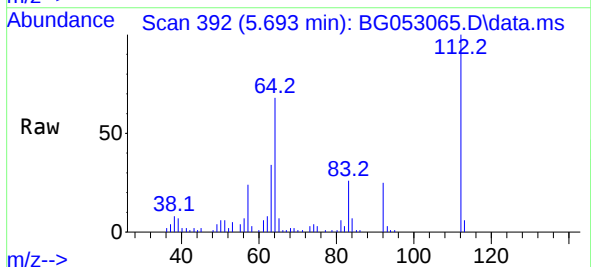
Instrument :  
BNA\_G  
ClientSampleId :  
WC-14A-1A-4-1

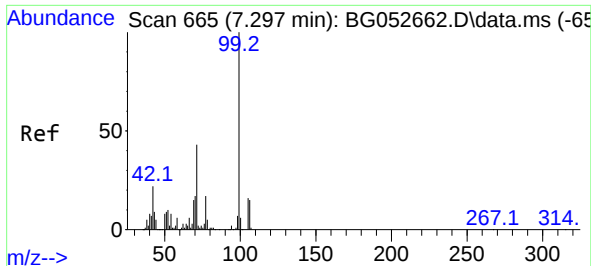
Tgt Ion:152 Resp: 42632  
Ion Ratio Lower Upper  
152 100  
150 143.0 114.6 172.0  
115 55.4 45.9 68.9



#5  
2-Fluorophenol  
Concen: 18.689 ng  
RT: 5.693 min Scan# 392  
Delta R.T. 0.009 min  
Lab File: BG053065.D  
Acq: 6 Apr 2022 21:41

Tgt Ion:112 Resp: 45751  
Ion Ratio Lower Upper  
112 100  
64 68.4 48.0 72.0  
63 33.9 26.5 39.7

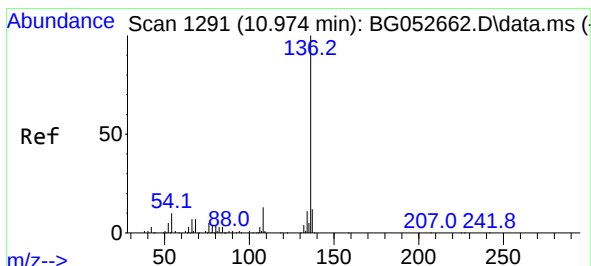
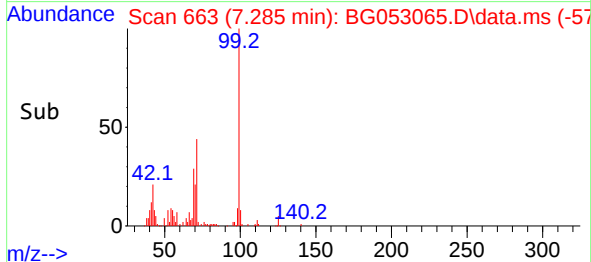
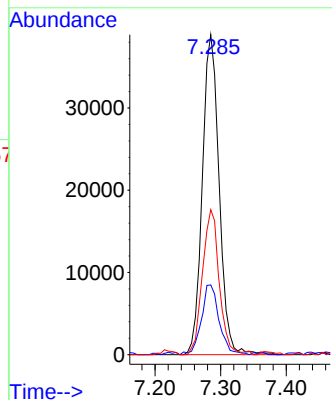
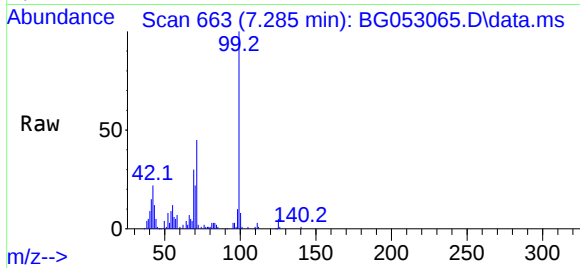




#7  
Phenol-d6  
Concen: 18.817 ng  
RT: 7.285 min Scan# 60  
Delta R.T. 0.003 min  
Lab File: BG053065.D  
Acq: 6 Apr 2022 21:41

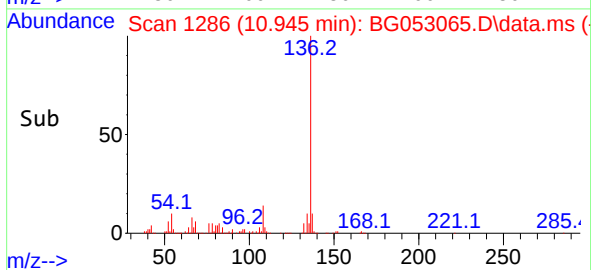
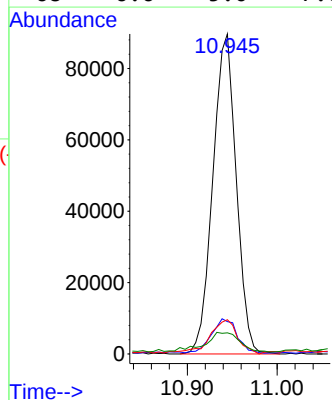
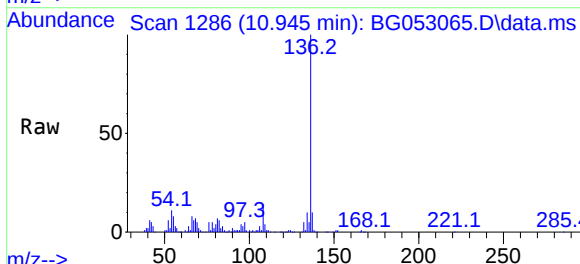
Instrument :  
BNA\_G  
ClientSampleId :  
WC-14A-1A-4-1

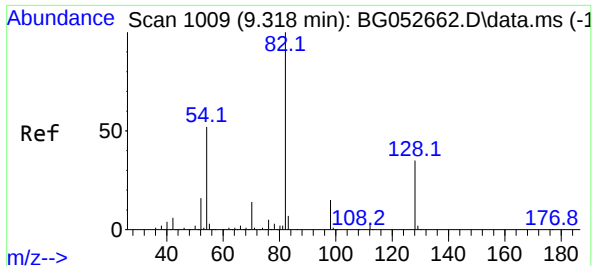
Tgt Ion: 99 Resp: 69445  
Ion Ratio Lower Upper  
99 100  
42 21.8 14.7 22.1  
71 45.3 29.2 43.8#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.945 min Scan# 1286  
Delta R.T. 0.003 min  
Lab File: BG053065.D  
Acq: 6 Apr 2022 21:41

Tgt Ion: 136 Resp: 162117  
Ion Ratio Lower Upper  
136 100  
137 10.1 9.4 14.2  
54 10.7 6.4 9.6#  
68 6.6 5.0 7.6





#23

Nitrobenzene-d5

Concen: 15.345 ng

RT: 9.288 min Scan# 1004

Delta R.T. -0.003 min

Lab File: BG053065.D

Acq: 6 Apr 2022 21:41

Instrument :

BNA\_G

ClientSampleId :

WC-14A-1A-4-1

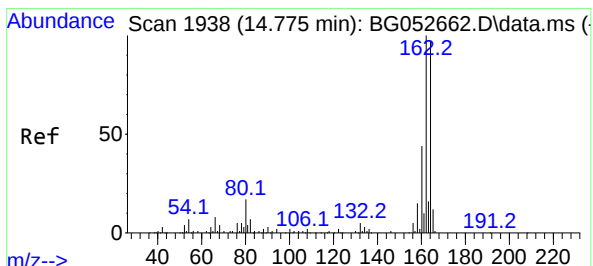
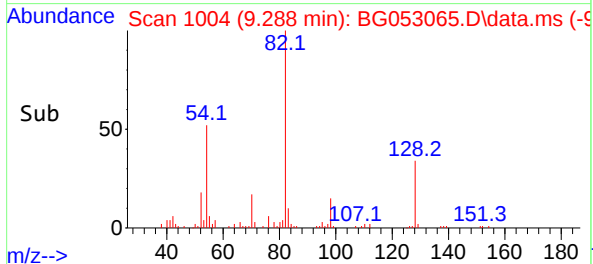
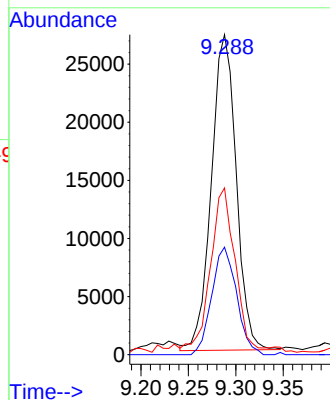
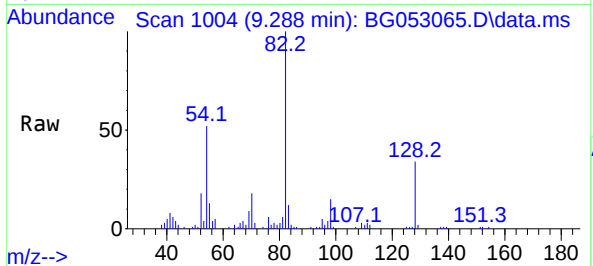
Tgt Ion: 82 Resp: 49566

Ion Ratio Lower Upper

82 100

128 33.6 31.3 46.9

54 52.1 37.8 56.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.751 min Scan# 1934

Delta R.T. 0.003 min

Lab File: BG053065.D

Acq: 6 Apr 2022 21:41

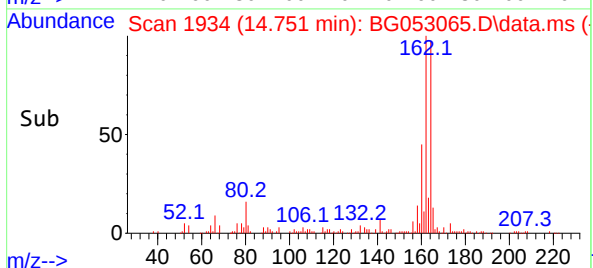
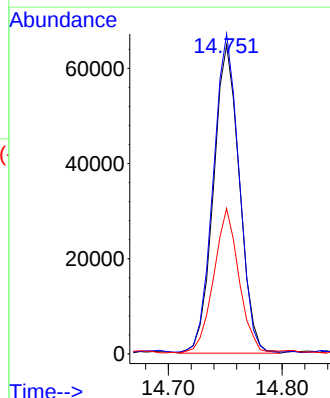
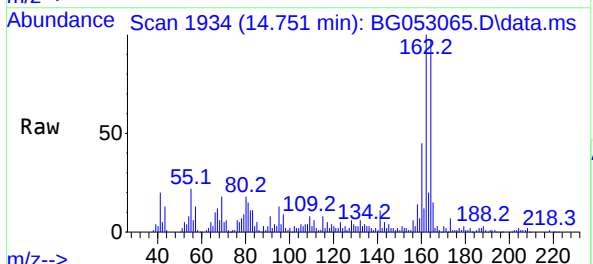
Tgt Ion:164 Resp: 102815

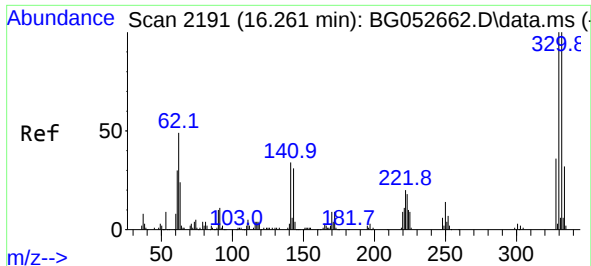
Ion Ratio Lower Upper

164 100

162 103.6 80.0 120.0

160 47.1 38.8 58.2





#42

2,4,6-Tribromophenol

Concen: 18.683 ng

RT: 16.237 min Scan# 21

Delta R.T. 0.003 min

Lab File: BG053065.D

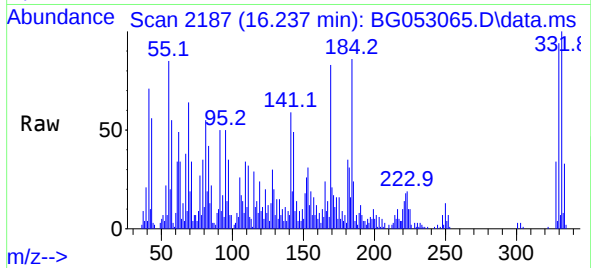
Acq: 6 Apr 2022 21:41

Instrument :

BNA\_G

ClientSampleId :

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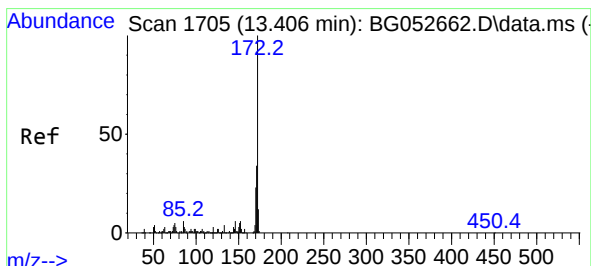
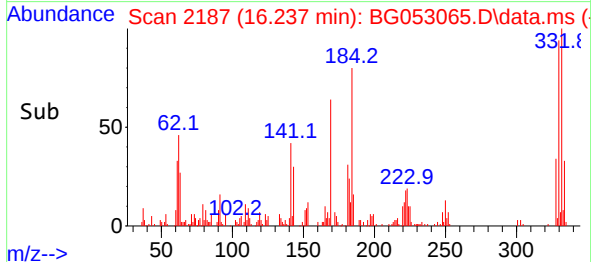
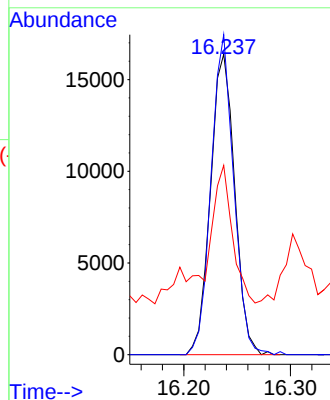
Tgt Ion:330 Resp: 25812

Ion Ratio Lower Upper

330 100

332 99.9 75.8 113.6

141 39.5 24.6 36.8#



#45

2-Fluorobiphenyl

Concen: 13.220 ng

RT: 13.377 min Scan# 1700

Delta R.T. 0.003 min

Lab File: BG053065.D

Acq: 6 Apr 2022 21:41

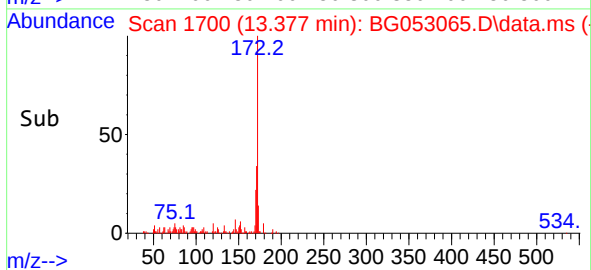
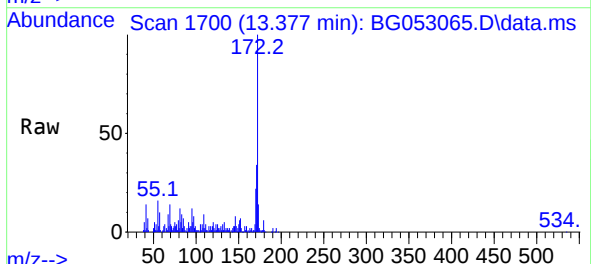
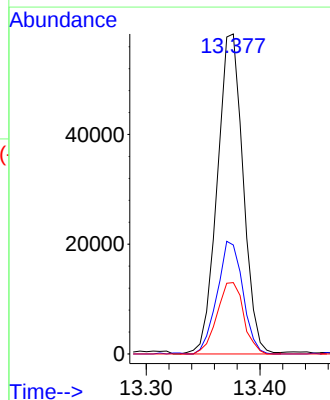
Tgt Ion:172 Resp: 92158

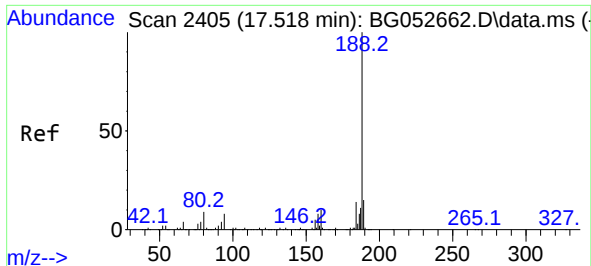
Ion Ratio Lower Upper

172 100

171 34.0 28.3 42.5

170 22.3 18.0 27.0

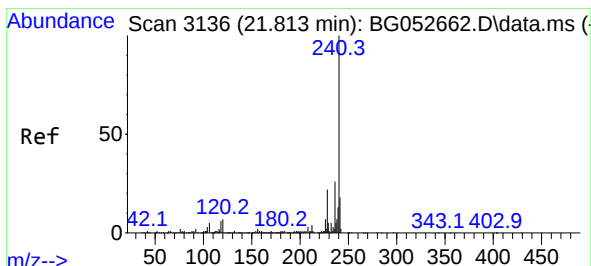
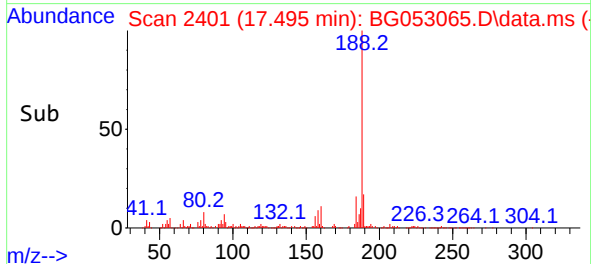
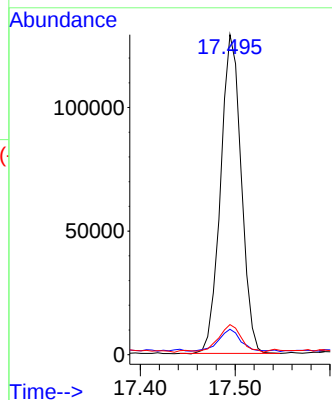
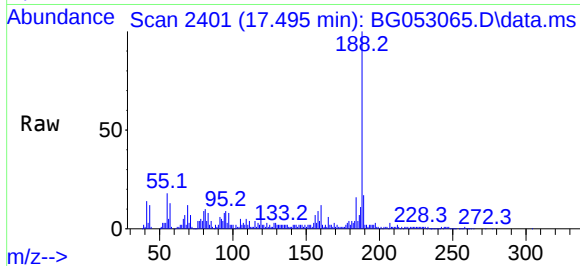




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.495 min Scan# 2401  
Delta R.T. 0.003 min  
Lab File: BG053065.D  
Acq: 6 Apr 2022 21:41

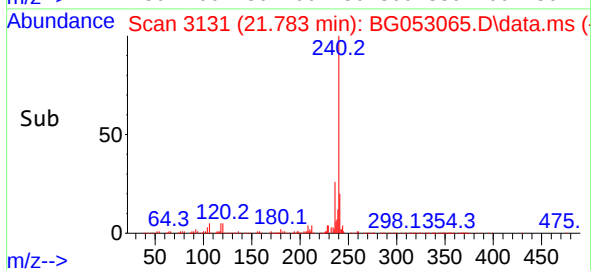
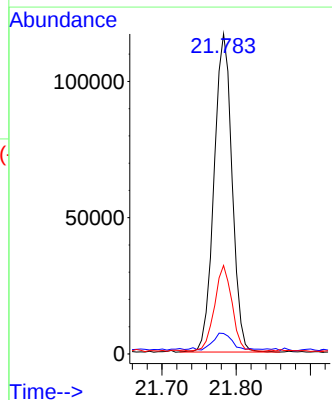
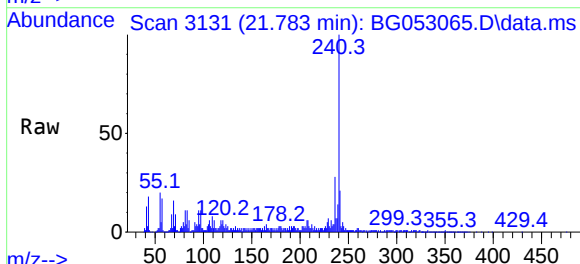
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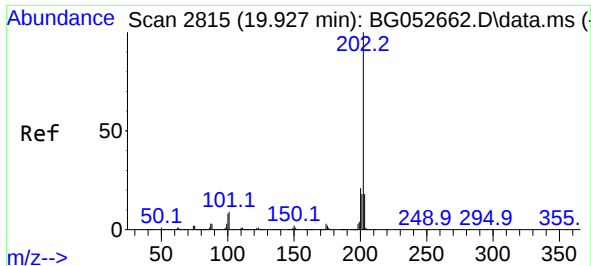
Tgt Ion:188 Resp: 195370  
Ion Ratio Lower Upper  
188 100  
94 7.9 5.7 8.5  
80 9.4 7.2 10.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.783 min Scan# 3131  
Delta R.T. 0.003 min  
Lab File: BG053065.D  
Acq: 6 Apr 2022 21:41

Tgt Ion:240 Resp: 196356  
Ion Ratio Lower Upper  
240 100  
120 6.4 5.4 8.0  
236 27.7 19.8 29.6

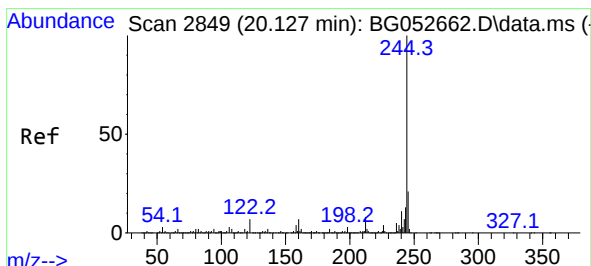
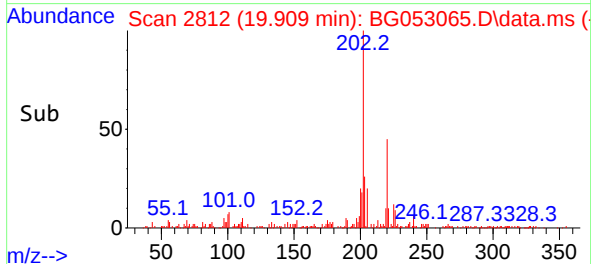
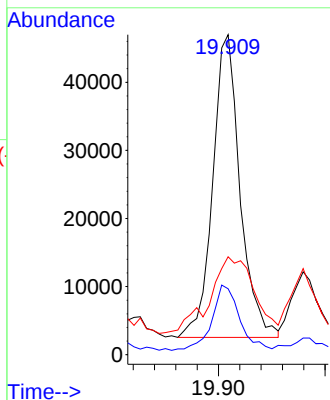
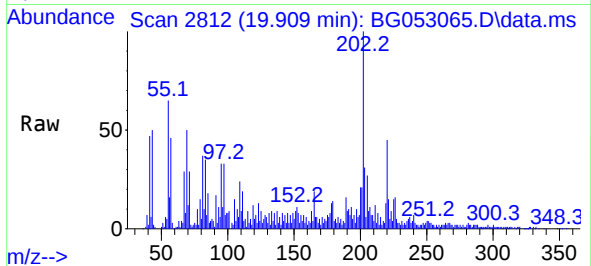




#78  
Pyrene  
Concen: 5.802 ng  
RT: 19.909 min Scan# 21  
Delta R.T. 0.009 min  
Lab File: BG053065.D  
Acq: 6 Apr 2022 21:41

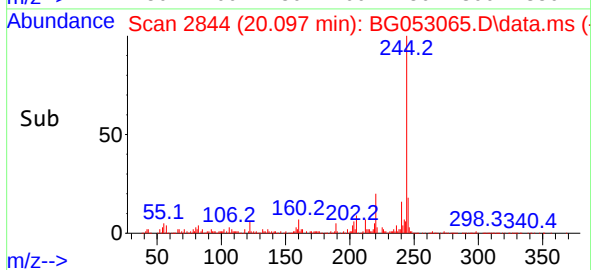
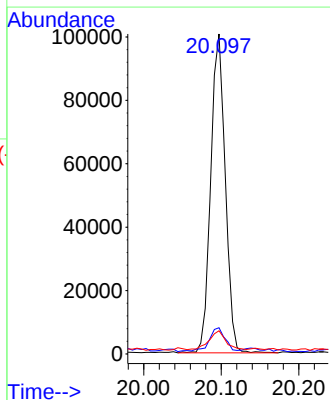
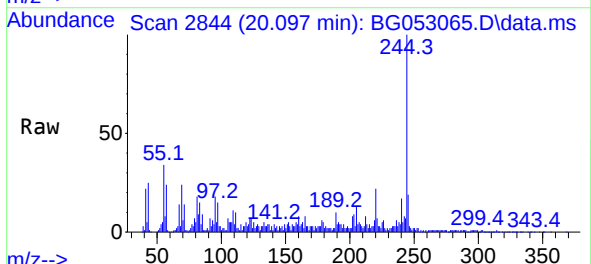
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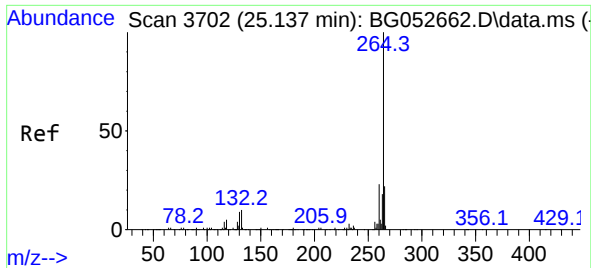
Tgt Ion:202 Resp: 79022  
Ion Ratio Lower Upper  
202 100  
200 20.6 17.0 25.6  
203 30.6 15.0 22.6#



#79  
Terphenyl-d14  
Concen: 11.873 ng  
RT: 20.097 min Scan# 2844  
Delta R.T. 0.003 min  
Lab File: BG053065.D  
Acq: 6 Apr 2022 21:41

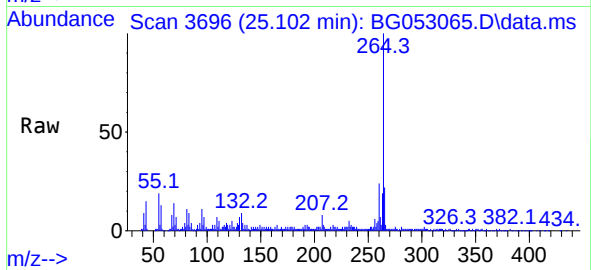
Tgt Ion:244 Resp: 131056  
Ion Ratio Lower Upper  
244 100  
212 8.2 5.4 8.2#  
122 7.3 5.8 8.6





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 25.102 min Scan# 3  
 Delta R.T. 0.020 min  
 Lab File: BG053065.D  
 Acq: 6 Apr 2022 21:41

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-14A-1A-4-1



Tgt Ion:264 Resp: 210834

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.2  | 18.2  | 27.2  |
| 265 | 22.1  | 15.1  | 22.7  |

