

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031919\  
 Data File : BG040022.D  
 Acq On : 20 Mar 2019 3:56  
 Operator : JU/SJ  
 Sample : PB118056BL  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB118056BL

Quant Time: Mar 20 05:54:22 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 04 14:38:15 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.14  | 152  | 33855    | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 10.96 | 136  | 142433   | 20.00  | ng    | -0.03    |
| 39) Acenaphthene-d10        | 14.77 | 164  | 97532    | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.51 | 188  | 265611   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 21.80 | 240  | 308398   | 20.00  | ng    | -0.03    |
| 87) Perylene-d12            | 25.16 | 264  | 297057   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.69  | 112  | 210811   | 106.23 | ng    | -0.02    |
| 7) Phenol-d6                | 7.29  | 99   | 295209   | 99.77  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.32  | 82   | 178151   | 67.65  | ng    | -0.03    |
| 42) 2,4,6-Tribromophenol    | 16.25 | 330  | 117424   | 103.29 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 13.39 | 172  | 440331   | 64.28  | ng    | -0.03    |
| 79) Terphenyl-d14           | 20.11 | 244  | 913542   | 65.22  | ng    | -0.02    |

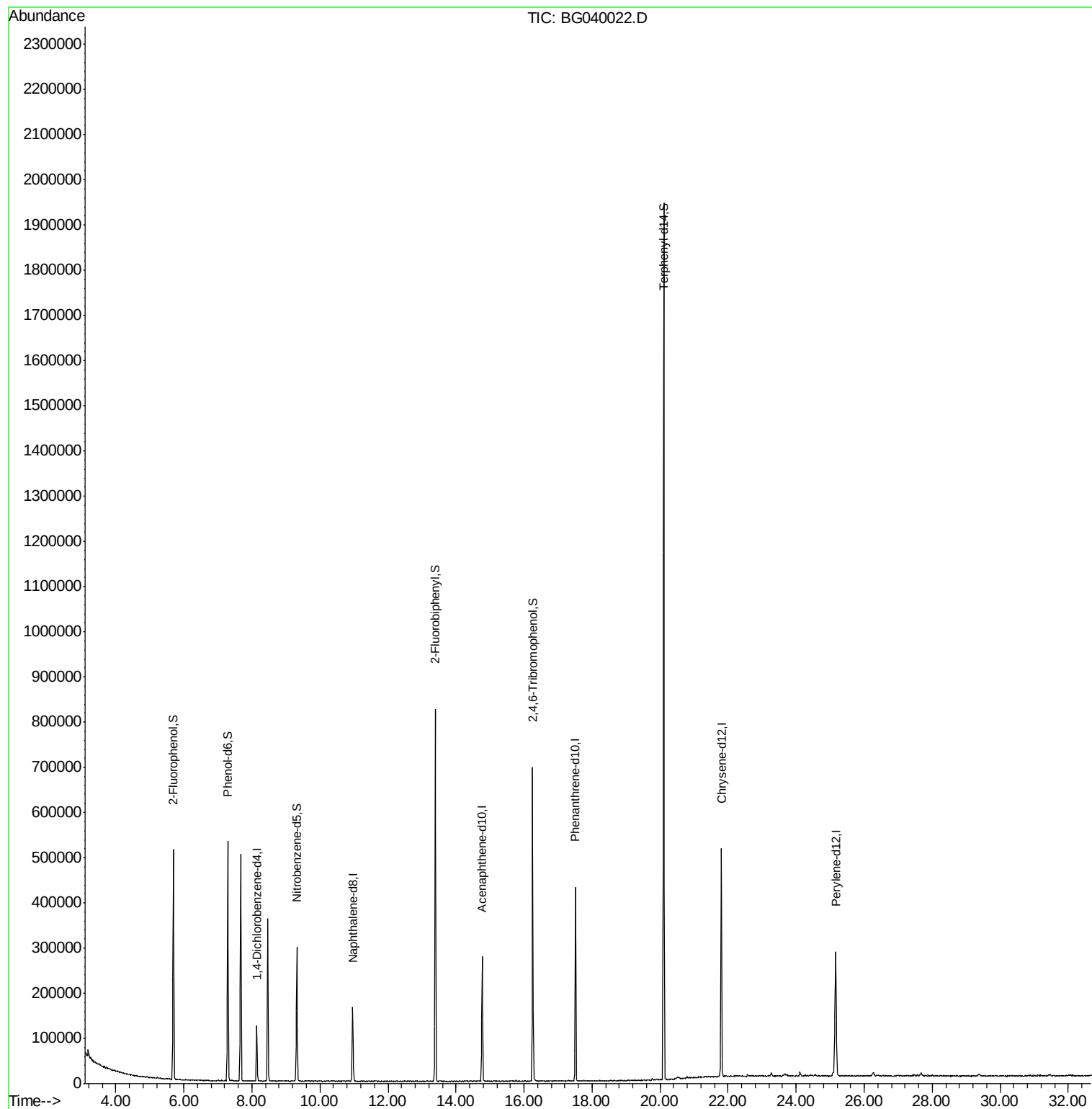
Target Compounds Qvalue

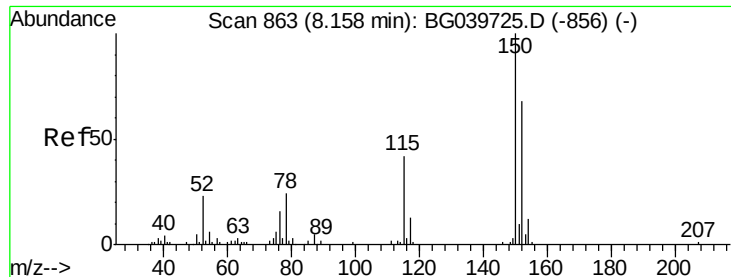
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 04 14:38:15 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.14 min Scan# 860

Delta R.T. -0.03 min

Lab File: BG040022.D

Acq: 20 Mar 2019 3:56

Instrument :

BNA\_G

ClientSampleId :

PB118056BL

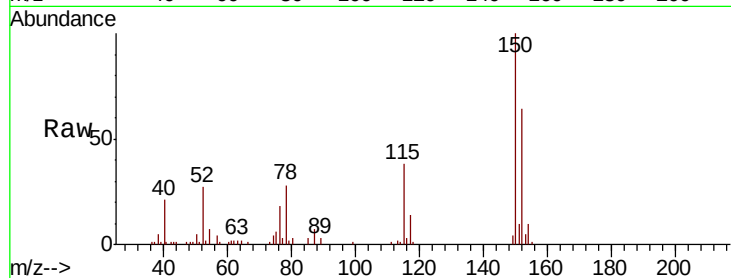
Tot Ion:152 Resp: 33855

Ion Ratio Lower Upper

152 100

150 156.0 123.7 185.5

115 58.8 45.9 68.9

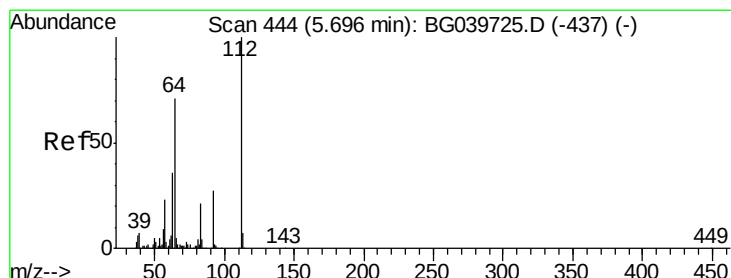
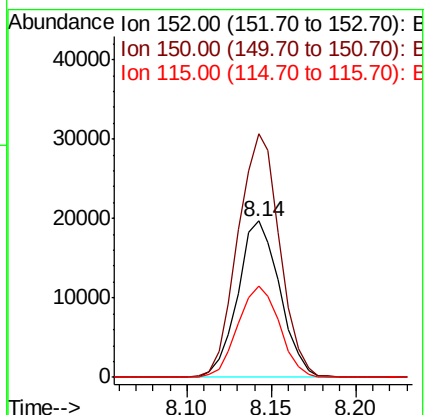
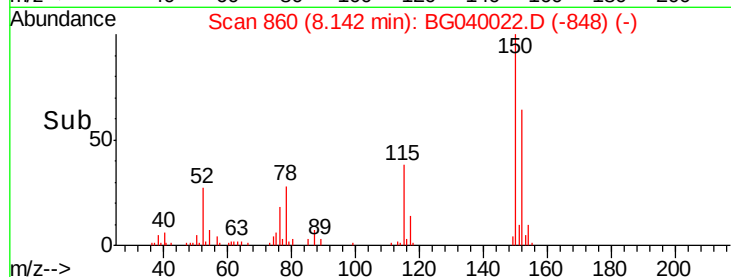


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 106.231 ng

RT: 5.69 min Scan# 442

Delta R.T. -0.02 min

Lab File: BG040022.D

Acq: 20 Mar 2019 3:56

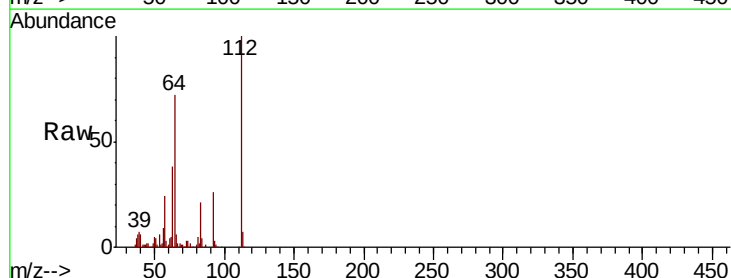
Tgt Ion:112 Resp: 210811

Ion Ratio Lower Upper

112 100

64 71.8 57.8 86.8

63 37.6 29.8 44.6

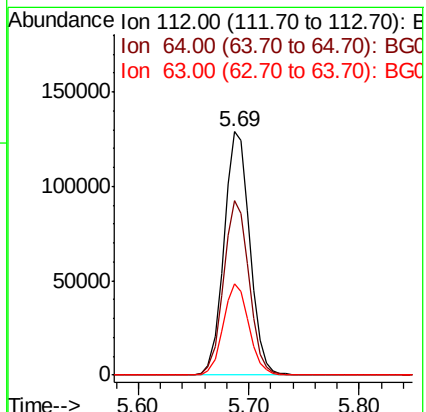
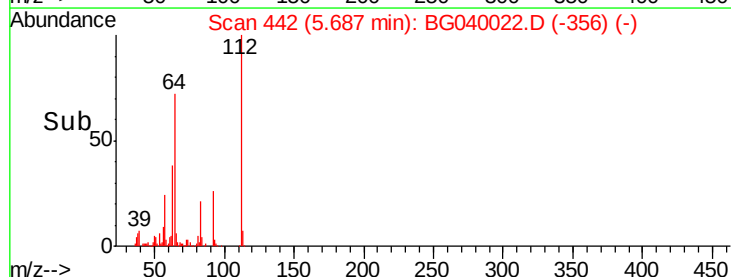


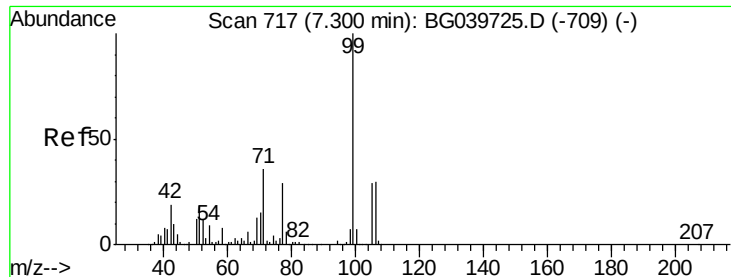
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 99.769 ng

RT: 7.29 min Scan# 715

Delta R.T. -0.02 min

Lab File: BG040022.D

Acq: 20 Mar 2019 3:56

Instrument :

BNA\_G

ClientSampleId :

PB118056BL

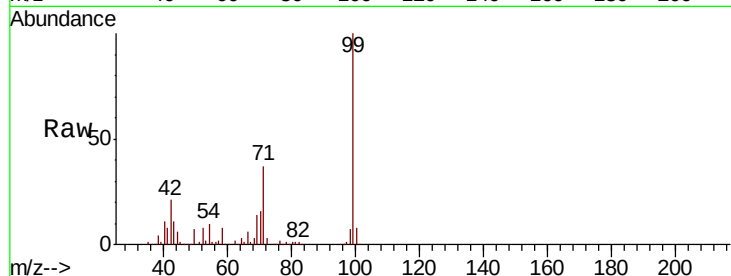
Tot Ion: 99 Resp: 295209

Ion Ratio Lower Upper

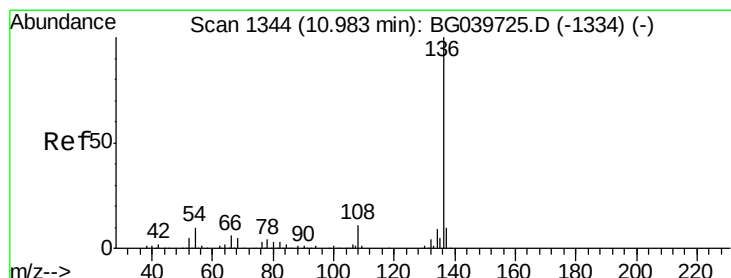
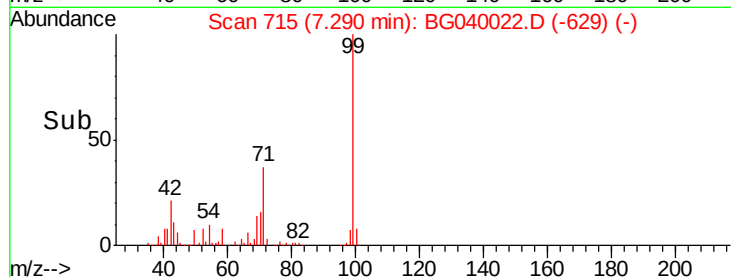
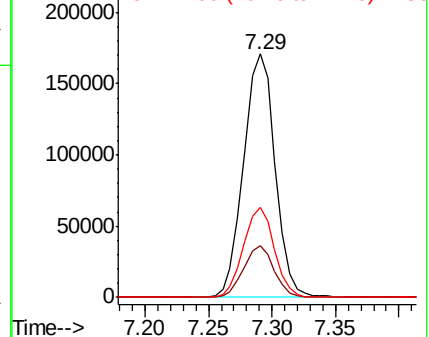
99 100

42 21.4 18.2 27.2

71 37.1 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.96 min Scan# 1340

Delta R.T. -0.03 min

Lab File: BG040022.D

Acq: 20 Mar 2019 3:56

Tgt Ion: 136 Resp: 142433

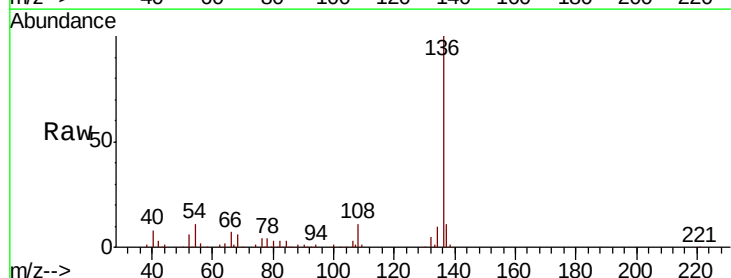
Ion Ratio Lower Upper

136 100

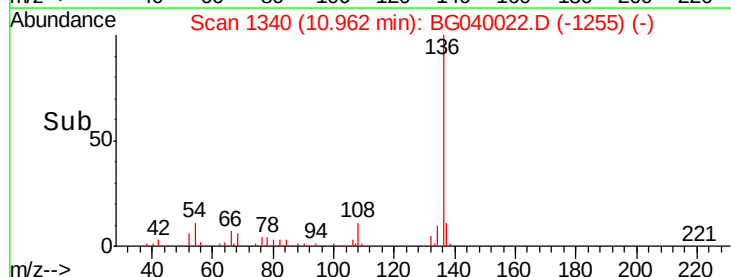
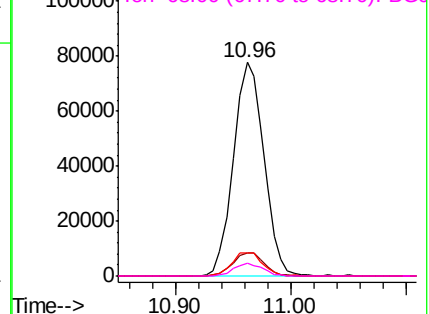
137 10.9 9.1 13.7

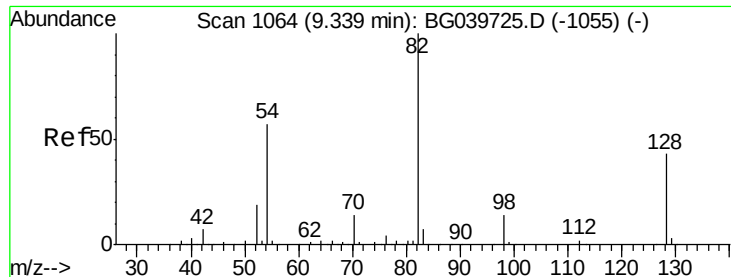
54 10.9 9.4 14.2

68 5.7 4.2 6.4



Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

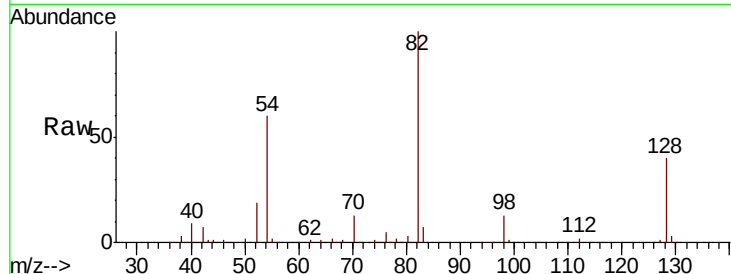




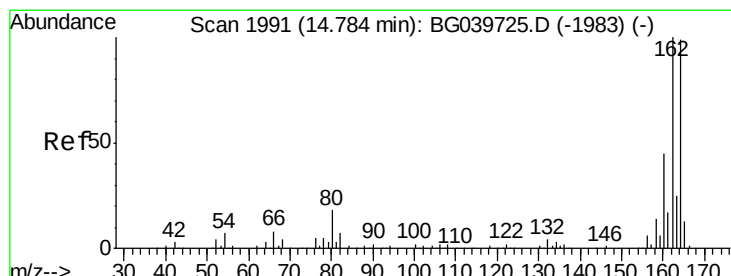
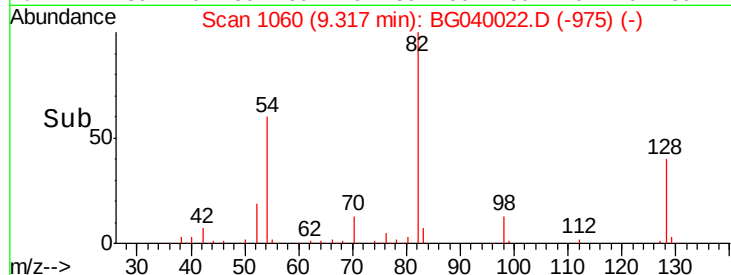
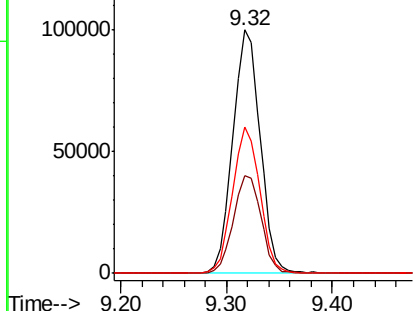
#23  
Nitrobenzene-d5  
Concen: 67.647 ng  
RT: 9.32 min Scan# 1060  
Delta R.T. -0.03 min  
Lab File: BG040022.D  
Acq: 20 Mar 2019 3:56

Instrument :  
BNA\_G  
ClientSampleId :  
PB118056BL

Tot Ion: 82 Resp: 178151  
Ion Ratio Lower Upper  
82 100  
128 39.9 31.3 46.9  
54 60.2 50.9 76.3

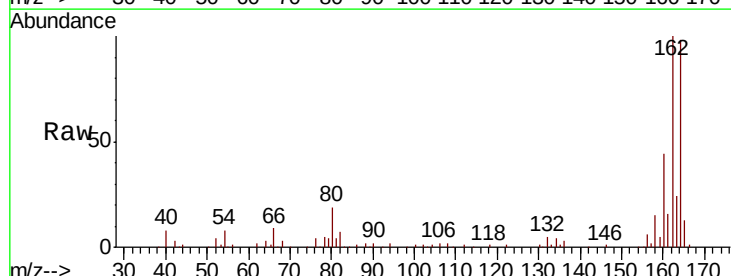


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

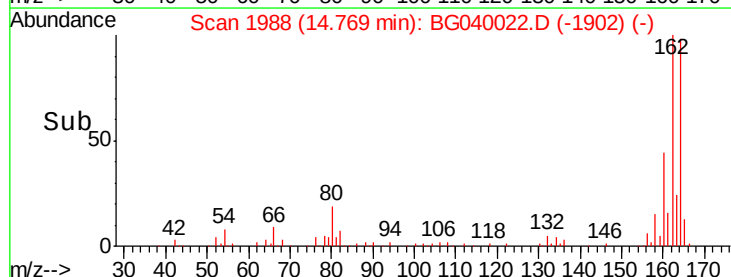
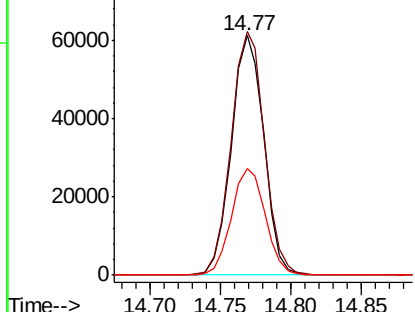


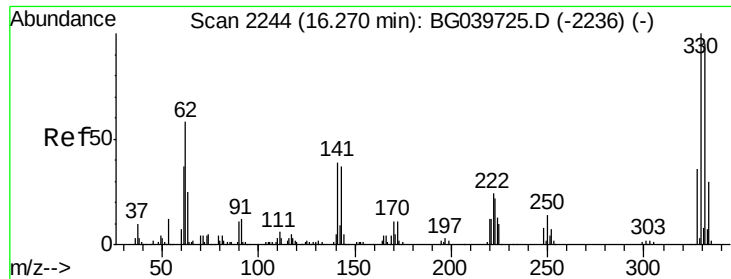
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.77 min Scan# 1988  
Delta R.T. -0.02 min  
Lab File: BG040022.D  
Acq: 20 Mar 2019 3:56

Tgt Ion: 164 Resp: 97532  
Ion Ratio Lower Upper  
164 100  
162 101.6 81.6 122.4  
160 44.6 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): BGC  
Ion 162.00 (161.70 to 162.70): BGC  
Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 103.293 ng

RT: 16.25 min Scan# 2241

Delta R.T. -0.02 min

Lab File: BG040022.D

Acq: 20 Mar 2019 3:56

Instrument :

BNA\_G

ClientSampleId :

PB118056BL

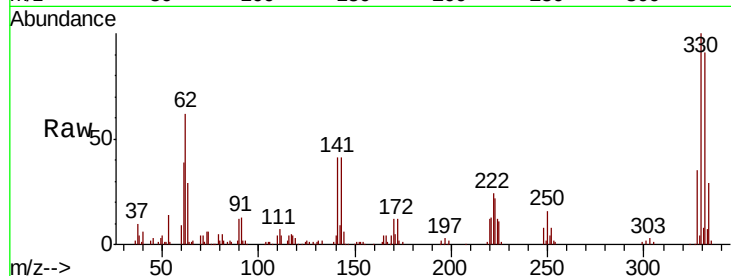
Tot Ion:330 Resp: 117424

Ion Ratio Lower Upper

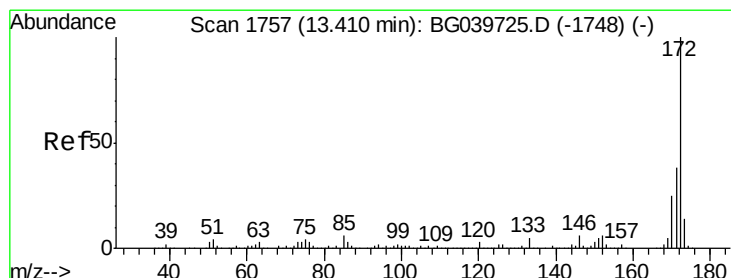
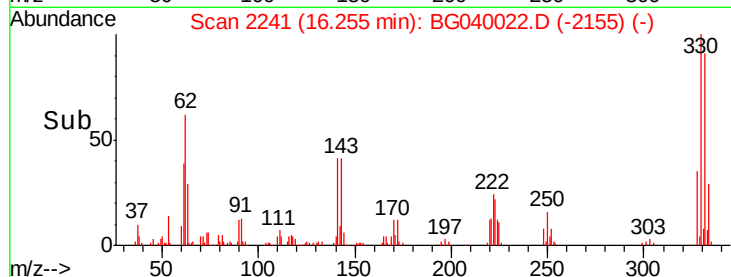
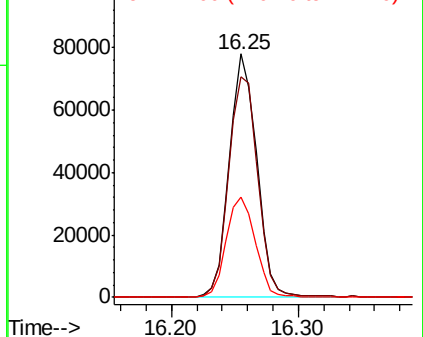
330 100

332 95.6 75.7 113.5

141 43.2 35.6 53.4



Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 64.282 ng

RT: 13.39 min Scan# 1753

Delta R.T. -0.03 min

Lab File: BG040022.D

Acq: 20 Mar 2019 3:56

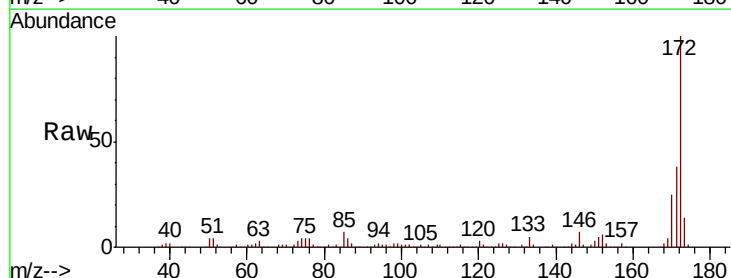
Tgt Ion:172 Resp: 440331

Ion Ratio Lower Upper

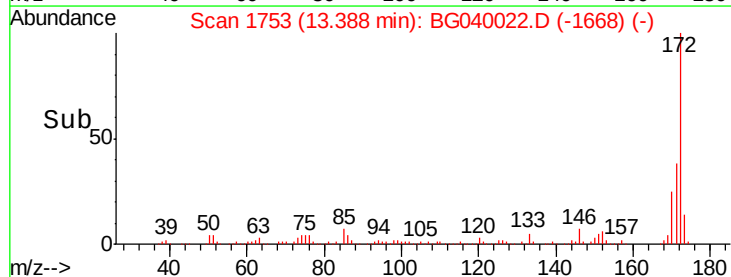
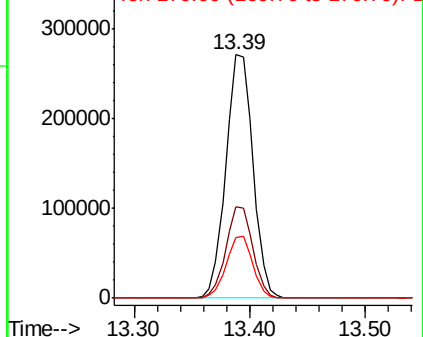
172 100

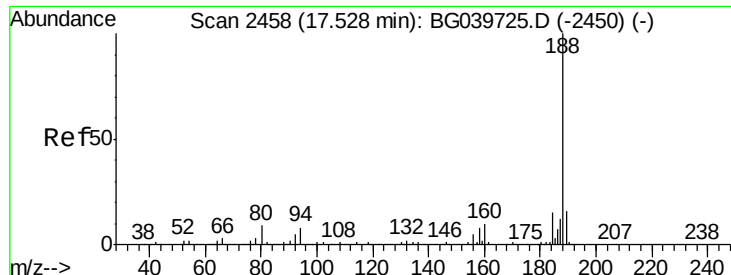
171 37.6 30.8 46.2

170 24.8 20.2 30.4



Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

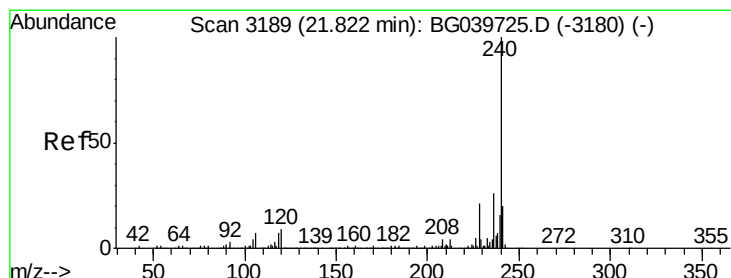
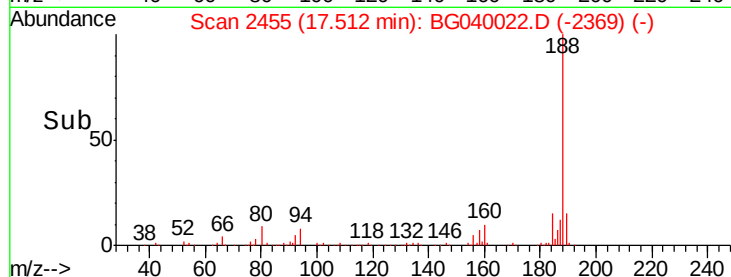
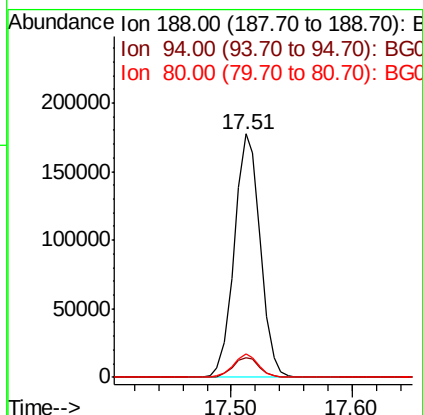
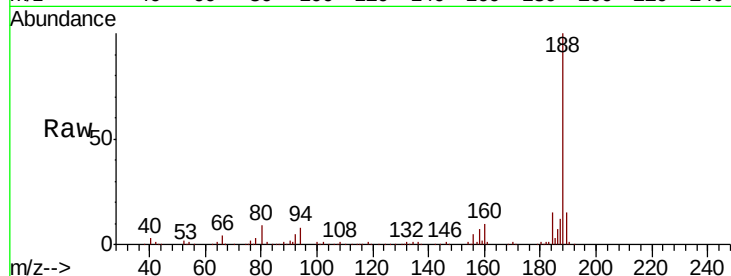




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.51 min Scan# 2455  
Delta R.T. -0.02 min  
Lab File: BG040022.D  
Acq: 20 Mar 2019 3:56

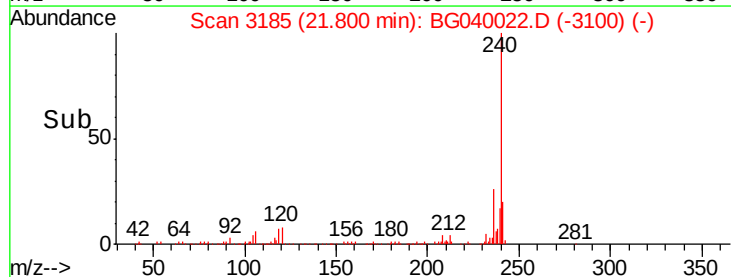
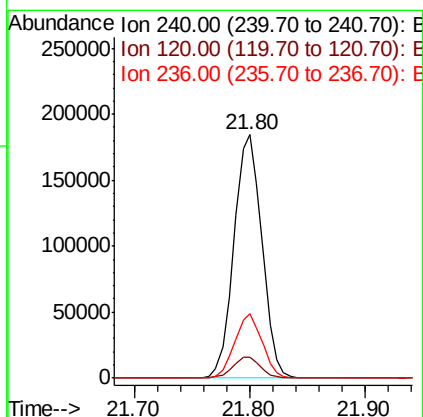
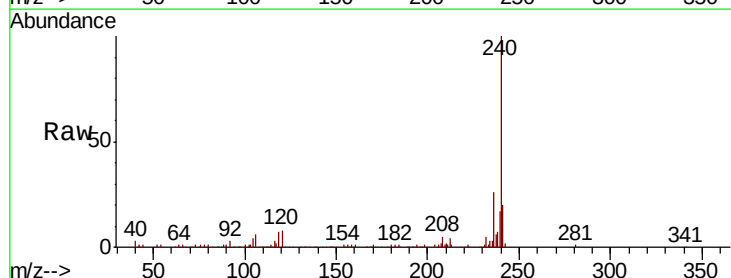
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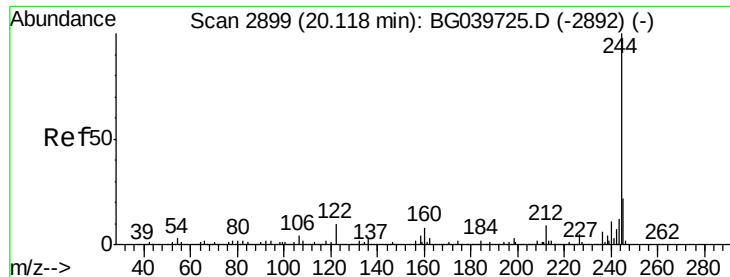
Tot Ion:188 Resp: 265611  
Ion Ratio Lower Upper  
188 100  
94 8.1 6.9 10.3  
80 9.5 8.1 12.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.80 min Scan# 3185  
Delta R.T. -0.03 min  
Lab File: BG040022.D  
Acq: 20 Mar 2019 3:56

Tgt Ion:240 Resp: 308398  
Ion Ratio Lower Upper  
240 100  
120 8.5 7.0 10.6  
236 26.3 21.0 31.4





#79

Terphenyl-d14

Concen: 65.222 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040022.D

Acq: 20 Mar 2019 3:56

Instrument :

BNA\_G

ClientSampleId :

PB118056BL

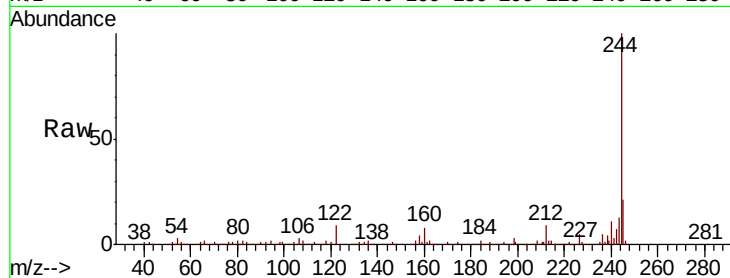
Tot Ion:244 Resp: 913542

Ion Ratio Lower Upper

244 100

212 8.5 7.3 10.9

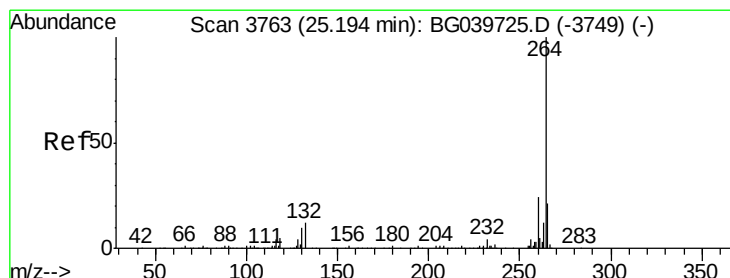
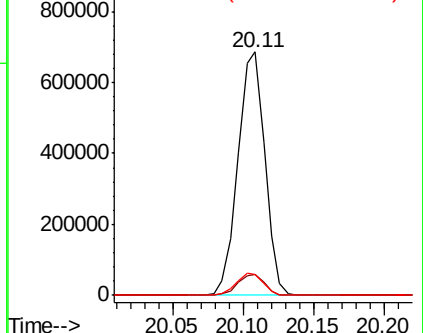
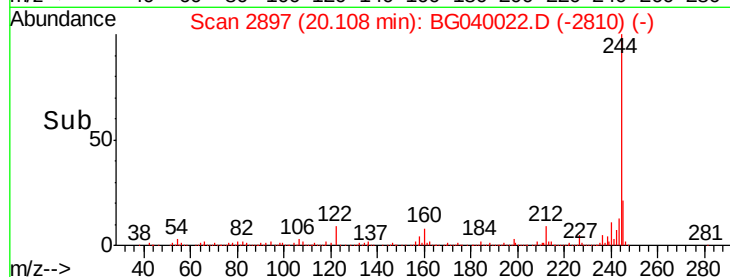
122 8.5 8.4 12.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.16 min Scan# 3757

Delta R.T. -0.04 min

Lab File: BG040022.D

Acq: 20 Mar 2019 3:56

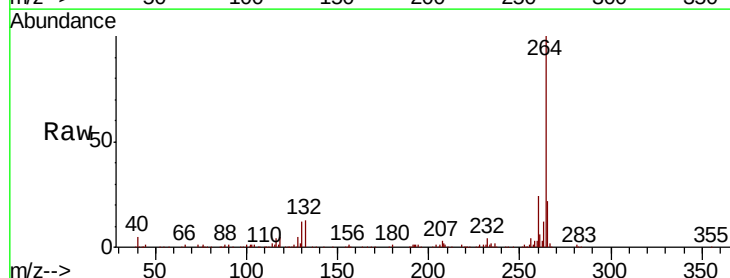
Tgt Ion:264 Resp: 297057

Ion Ratio Lower Upper

264 100

260 24.2 18.2 27.4

265 22.0 18.5 27.7



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

