

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022719\  
 Data File : BG039650.D  
 Acq On : 28 Feb 2019 1:54  
 Operator : JU/SJ  
 Sample : K1350-12  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EO-01-022619-A

Quant Time: Feb 28 07:18:51 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 29 15:41:51 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.16  | 152  | 53502    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.99 | 136  | 218715   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.79 | 164  | 138605   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.53 | 188  | 341121   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 21.82 | 240  | 379773   | 20.00  | ng    | -0.03    |
| 87) Perylene-d12            | 25.20 | 264  | 365671   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.71  | 112  | 417324   | 133.50 | ng    | 0.00     |
| 7) Phenol-d6                | 7.31  | 99   | 539534   | 117.25 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.34  | 82   | 396723   | 113.32 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 16.28 | 330  | 216045   | 144.75 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.42 | 172  | 902552   | 93.41  | ng    | -0.02    |
| 79) Terphenyl-d14           | 20.13 | 244  | 1513345  | 84.35  | ng    | -0.02    |

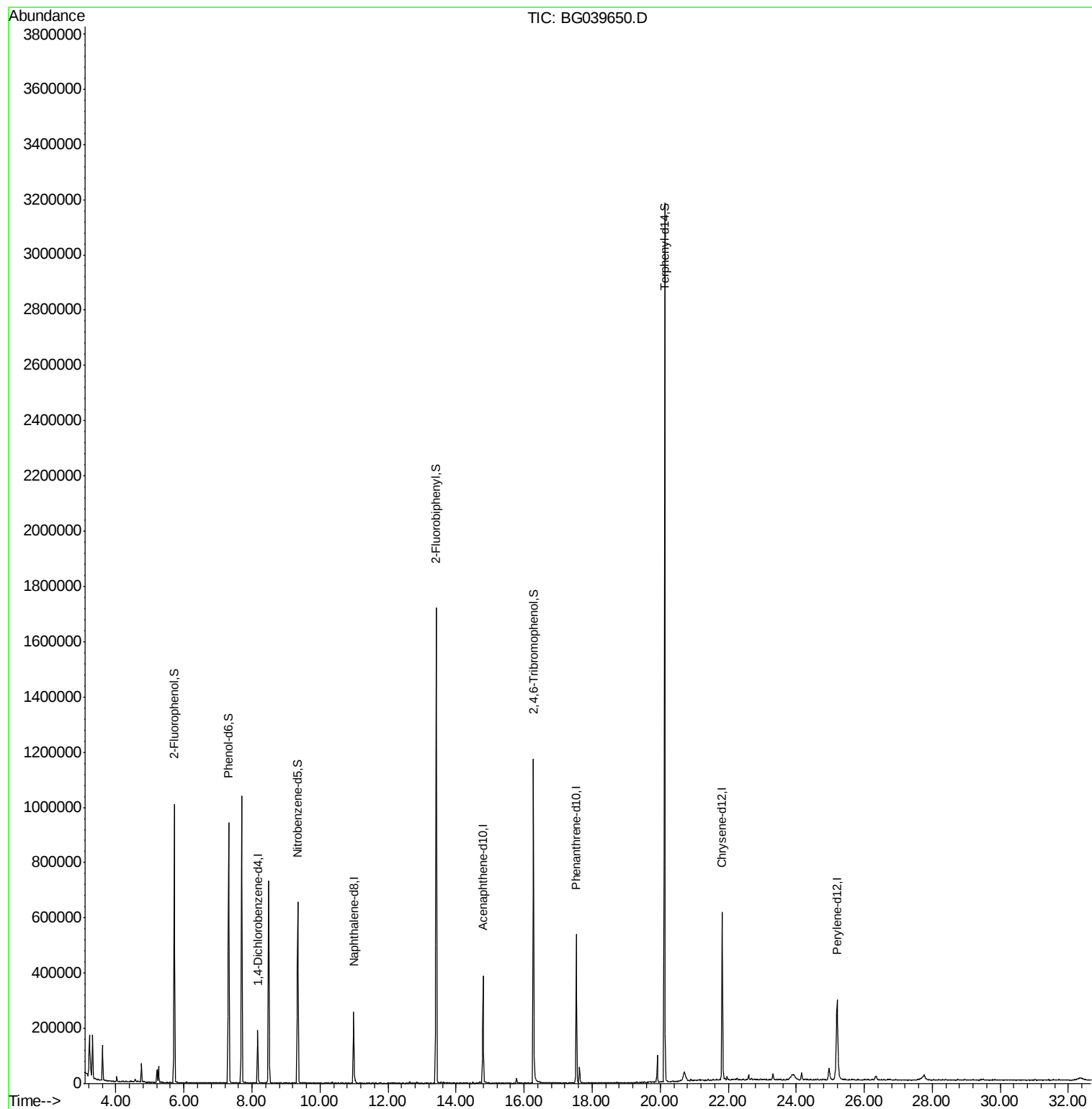
Target Compounds Qvalue

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

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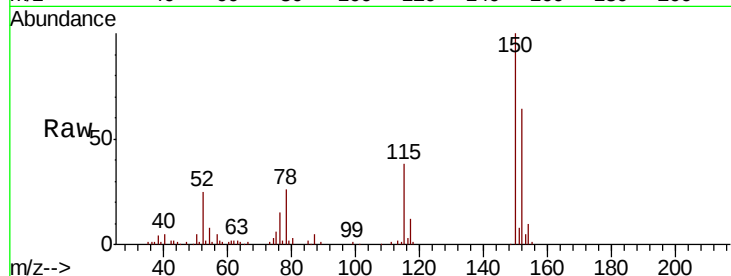


#1

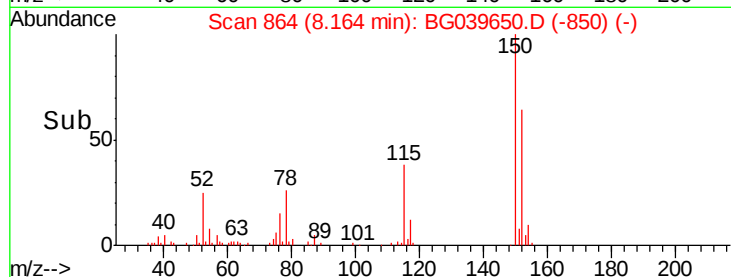
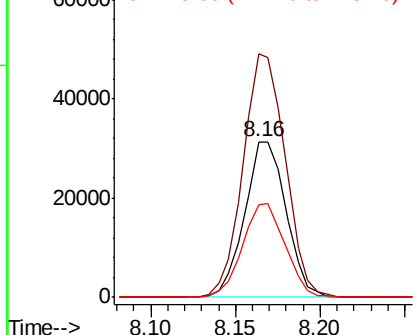
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.16 min Scan# 864  
Delta R.T. -0.02 min  
Lab File: BG039650.D  
Acq: 28 Feb 2019 1:54

Instrument :  
BNA\_G  
ClientSampleId :  
EO-01-022619-A

Tot Ion:152 Resp: 53502  
Ion Ratio Lower Upper  
152 100  
150 156.6 123.7 185.5  
115 59.7 45.9 68.9



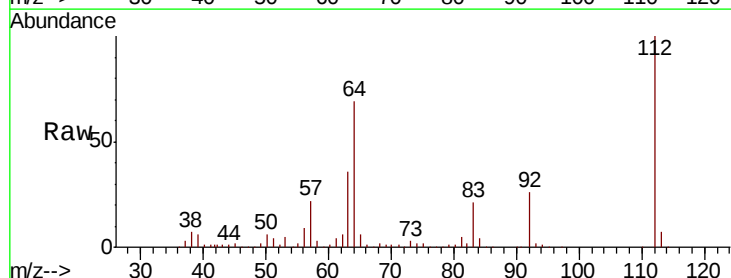
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



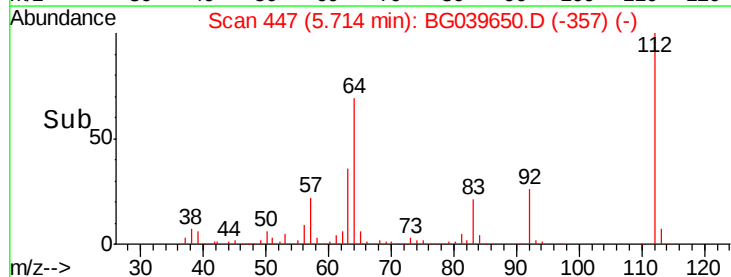
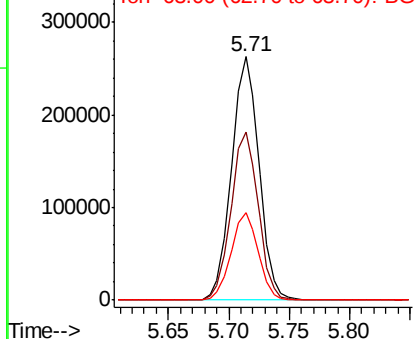
#5

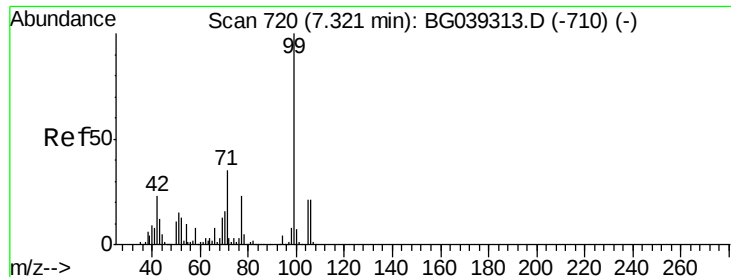
2-Fluorophenol  
Concen: 133.500 ng  
RT: 5.71 min Scan# 447  
Delta R.T. -0.00 min  
Lab File: BG039650.D  
Acq: 28 Feb 2019 1:54

Tgt Ion:112 Resp: 417324  
Ion Ratio Lower Upper  
112 100  
64 69.1 57.8 86.8  
63 36.2 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: 117.254 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039650.D

Acq: 28 Feb 2019 1:54

Instrument :

BNA\_G

ClientSampleId :

EO-01-022619-A

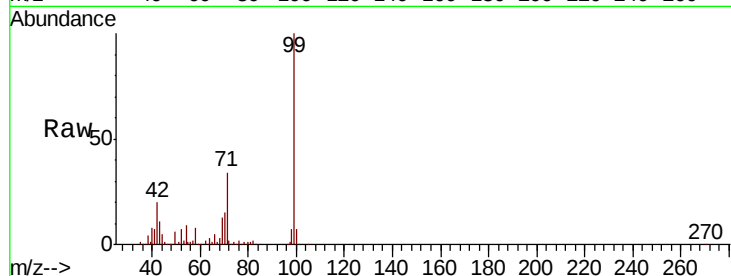
Tot Ion: 99 Resp: 539534

Ion Ratio Lower Upper

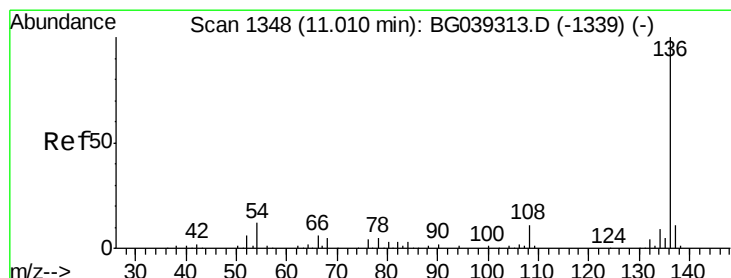
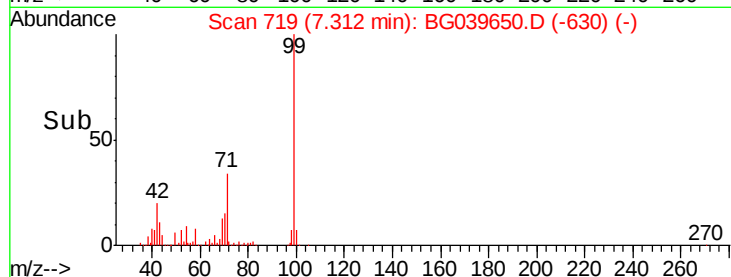
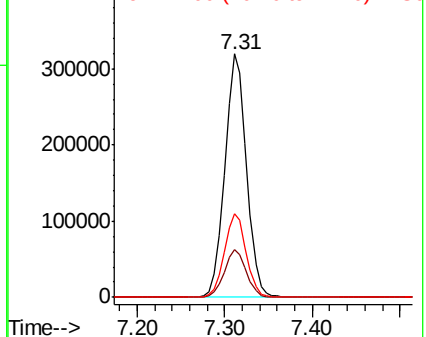
99 100

42 19.9 18.2 27.2

71 34.4 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: 10.99 min Scan# 1345

Delta R.T. -0.02 min

Lab File: BG039650.D

Acq: 28 Feb 2019 1:54

Tgt Ion: 136 Resp: 218715

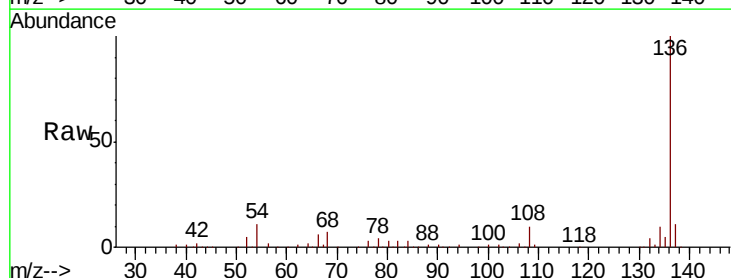
Ion Ratio Lower Upper

136 100

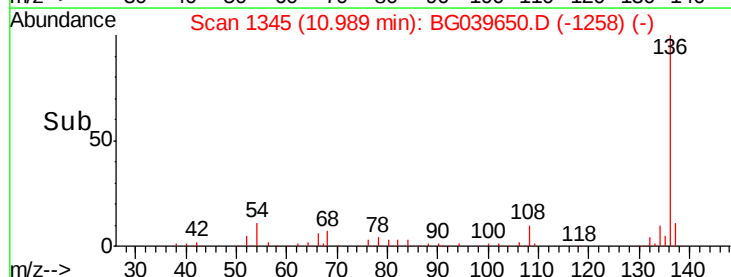
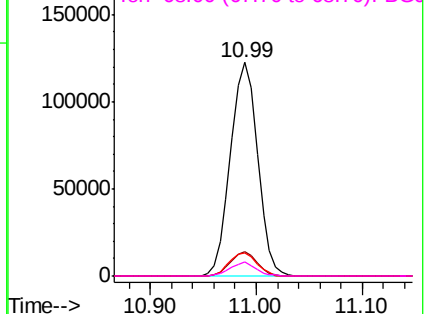
137 11.4 9.1 13.7

54 10.9 9.4 14.2

68 6.7 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: 113.316 ng

RT: 9.34 min Scan# 1065

Delta R.T. -0.02 min

Lab File: BG039650.D

Acq: 28 Feb 2019 1:54

Instrument :

BNA\_G

ClientSampleId :

EO-01-022619-A

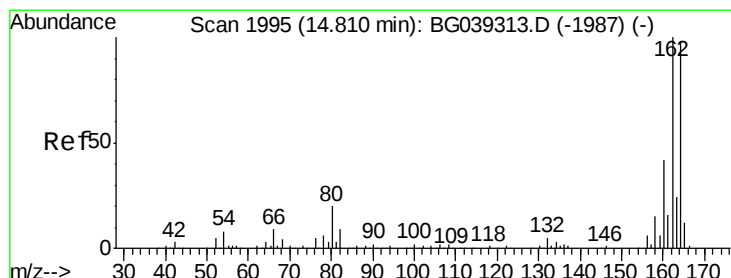
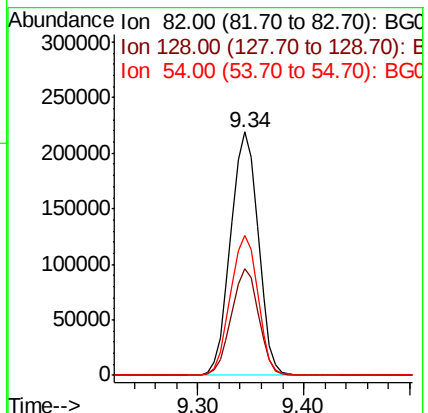
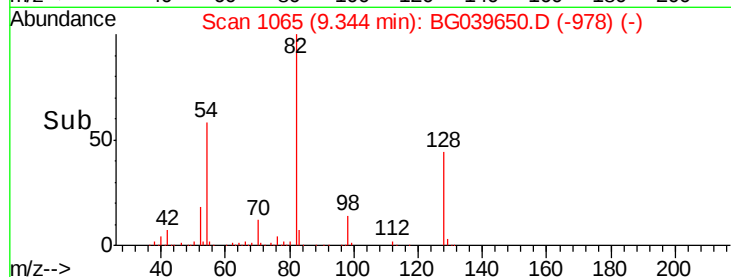
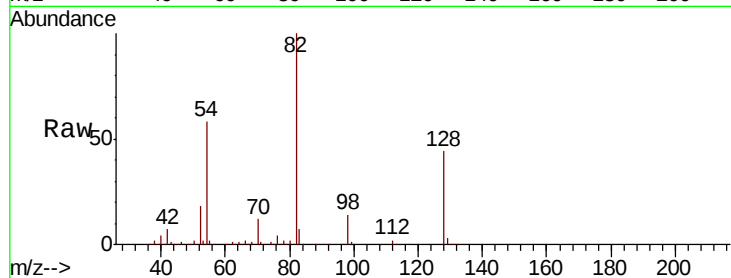
Tot Ion: 82 Resp: 396723

Ion Ratio Lower Upper

82 100

128 43.8 31.3 46.9

54 57.6 50.9 76.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BG039650.D

Acq: 28 Feb 2019 1:54

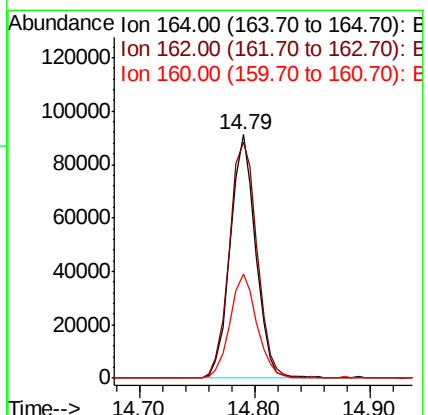
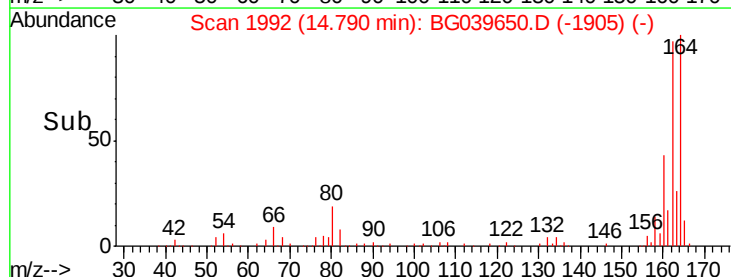
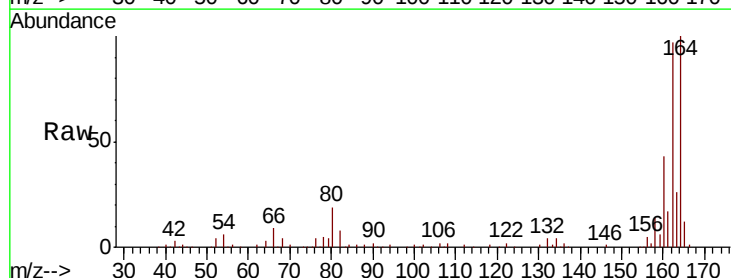
Tgt Ion: 164 Resp: 138605

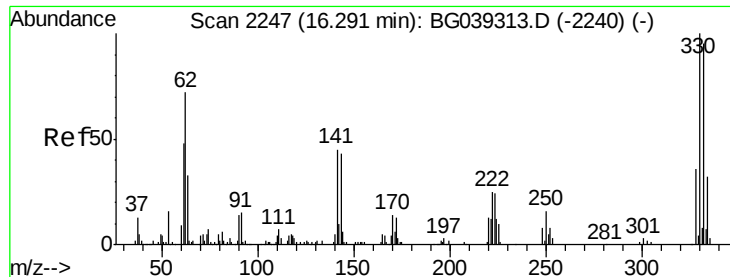
Ion Ratio Lower Upper

164 100

162 97.1 81.6 122.4

160 42.5 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 144.750 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039650.D

Acq: 28 Feb 2019 1:54

Instrument :

BNA\_G

ClientSampleId :

EO-01-022619-A

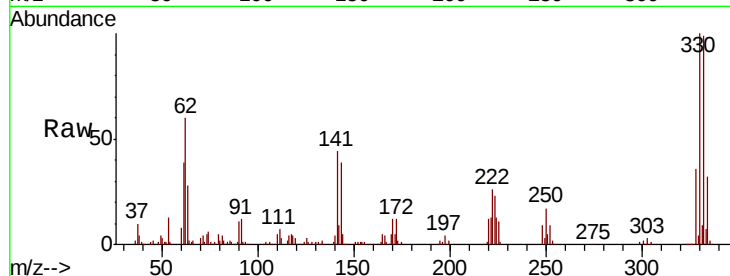
Tot Ion:330 Resp: 216045

Ion Ratio Lower Upper

330 100

332 94.9 75.7 113.5

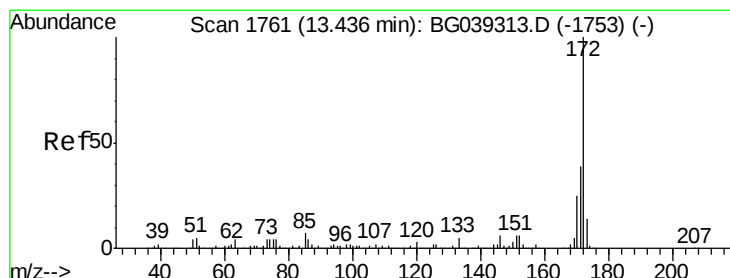
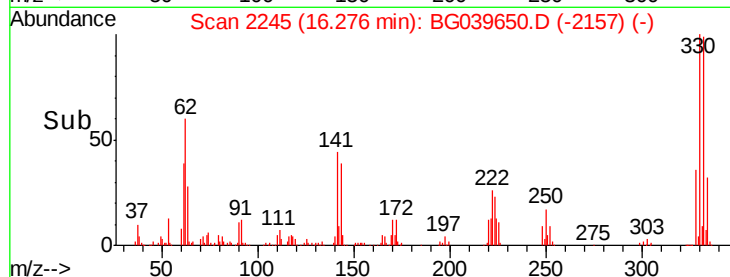
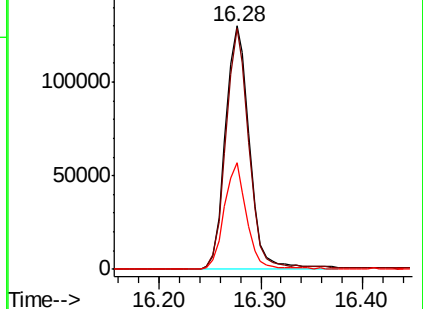
141 41.2 35.6 53.4



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: 93.413 ng

RT: 13.42 min Scan# 1758

Delta R.T. -0.02 min

Lab File: BG039650.D

Acq: 28 Feb 2019 1:54

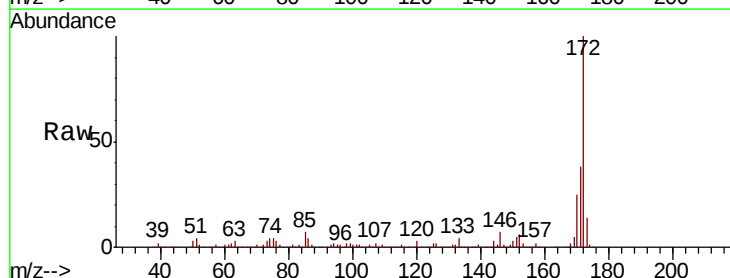
Tgt Ion:172 Resp: 902552

Ion Ratio Lower Upper

172 100

171 38.4 30.8 46.2

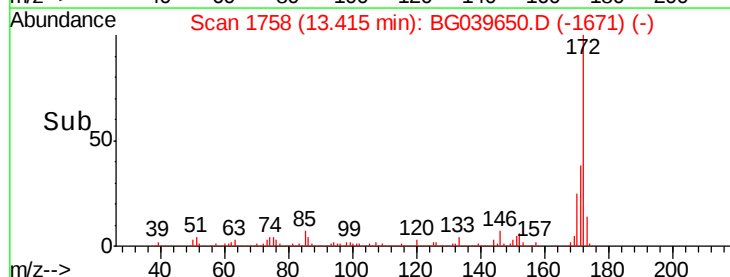
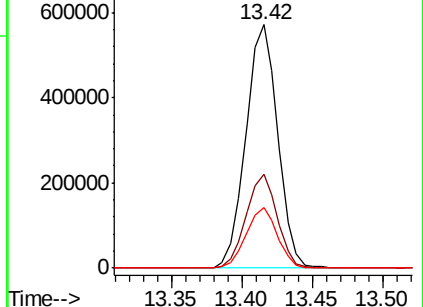
170 24.8 20.2 30.4

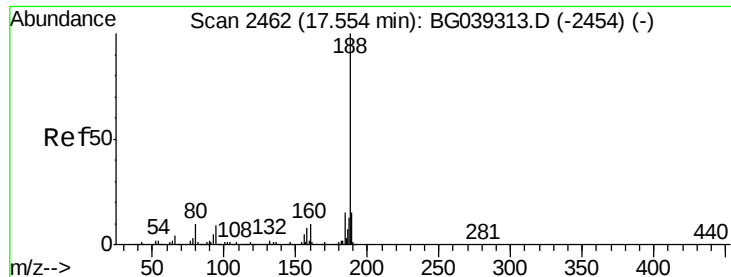


Abundance Ion 172.00 (171.70 to 172.70): E

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: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039650.D

Acq: 28 Feb 2019 1:54

Instrument :

BNA\_G

ClientSampleId :

EO-01-022619-A

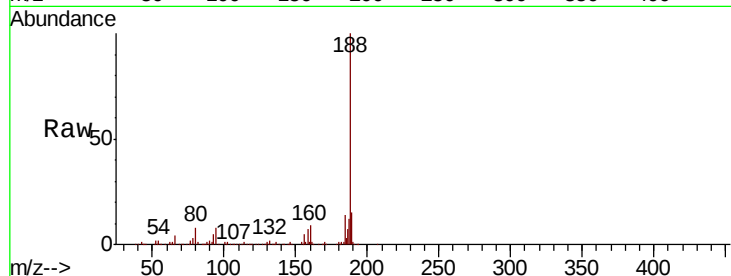
Tot Ion:188 Resp: 341121

Ion Ratio Lower Upper

188 100

94 8.0 6.9 10.3

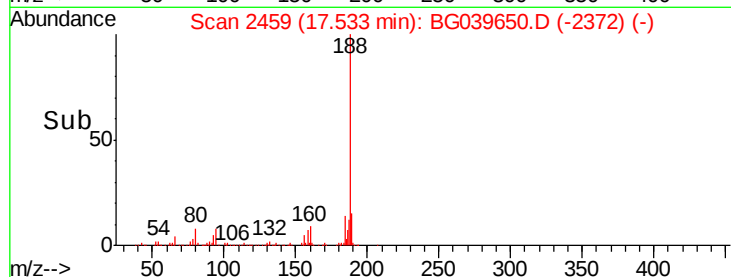
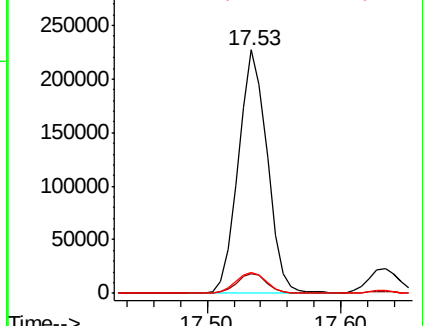
80 8.4 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.82 min Scan# 3189

Delta R.T. -0.03 min

Lab File: BG039650.D

Acq: 28 Feb 2019 1:54

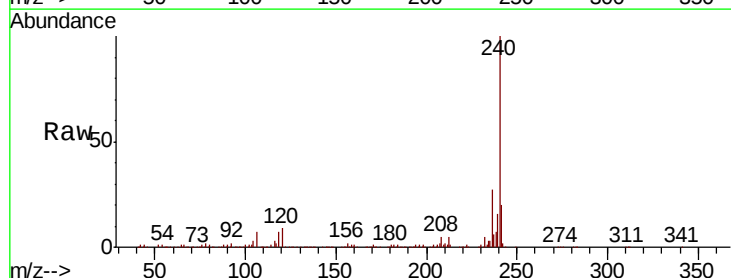
Tgt Ion:240 Resp: 379773

Ion Ratio Lower Upper

240 100

120 9.1 7.0 10.6

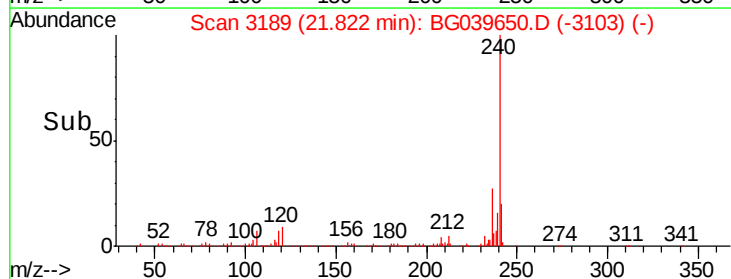
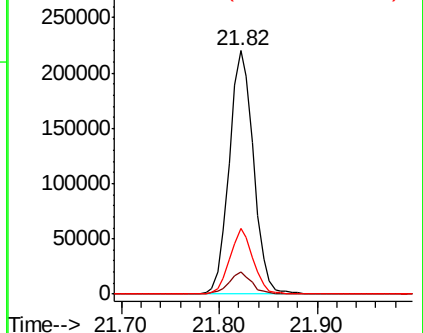
236 27.2 21.0 31.4

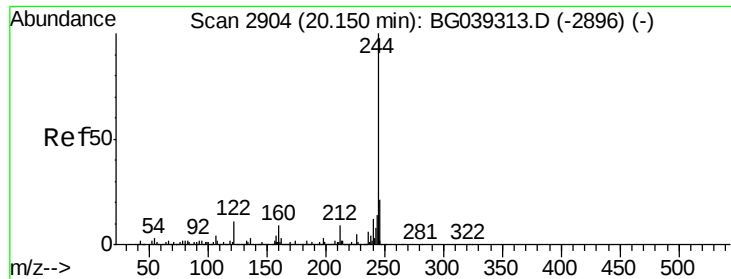


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 84.347 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039650.D

Acq: 28 Feb 2019 1:54

Instrument :

BNA\_G

ClientSampleId :

EO-01-022619-A

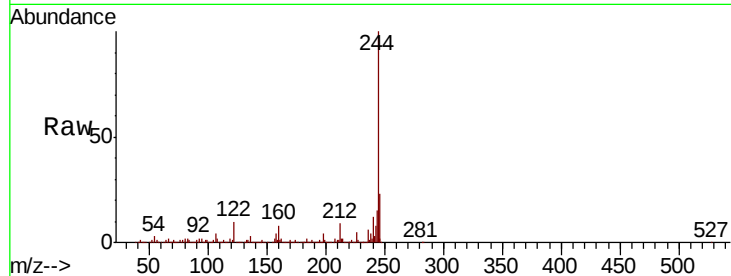
Tot Ion:244 Resp: 1513345

Ion Ratio Lower Upper

244 100

212 9.2 7.3 10.9

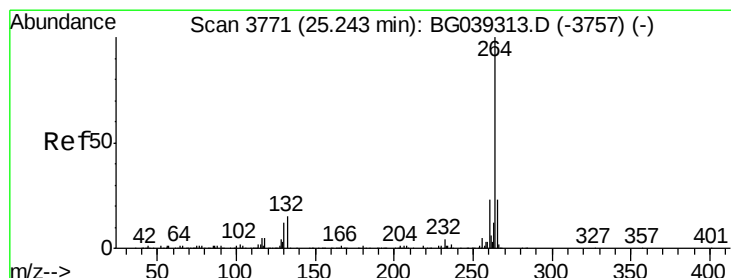
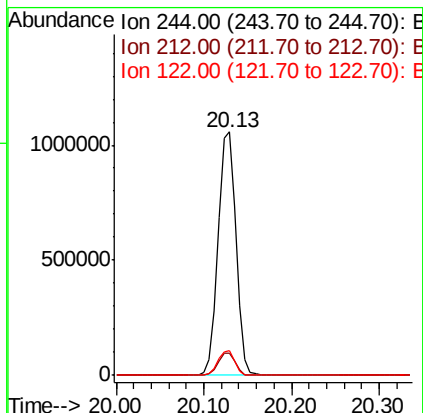
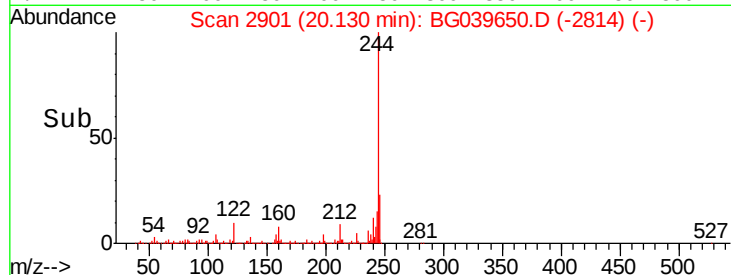
122 10.0 8.4 12.6



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: 25.20 min Scan# 3764

Delta R.T. -0.04 min

Lab File: BG039650.D

Acq: 28 Feb 2019 1:54

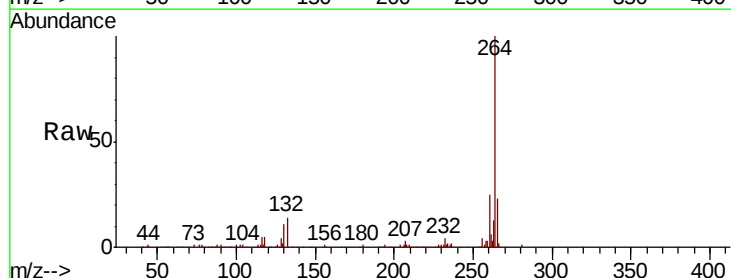
Tgt Ion:264 Resp: 365671

Ion Ratio Lower Upper

264 100

260 25.0 18.2 27.4

265 22.8 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

