

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG091415\  
 Data File : BG018677.D  
 Acq On : 15 Sep 2015 00:41  
 Operator : UM/IZ  
 Sample : G3649-01  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SWD-1(3RD-QUART)

Quant Time: Sep 15 02:38:48 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG091115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 15 01:23:14 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.00  | 152  | 64432    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.80 | 136  | 283055   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.63 | 164  | 192410   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.37 | 188  | 503559   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.63 | 240  | 530635   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 24.82 | 264  | 541630   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.58  | 112  | 149478   | 40.08  | ng    | 0.00     |
| 7) Phenol-d6                | 7.16  | 99   | 125448   | 23.46  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.16  | 82   | 465442   | 92.01  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.12 | 330  | 263676   | 101.77 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.25 | 172  | 1282474  | 92.53  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.98 | 244  | 1798841  | 89.02  | ng    | 0.00     |

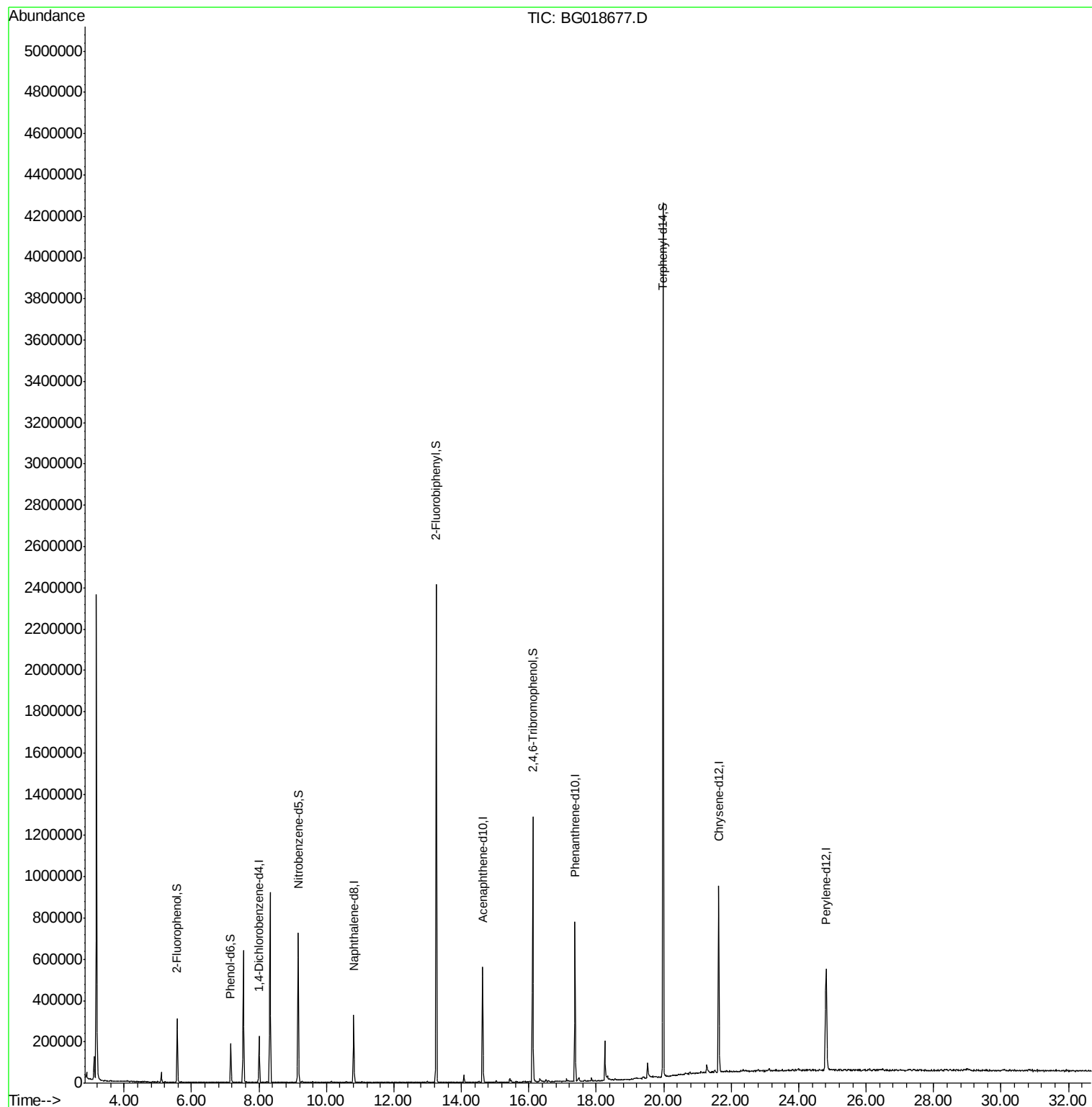
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

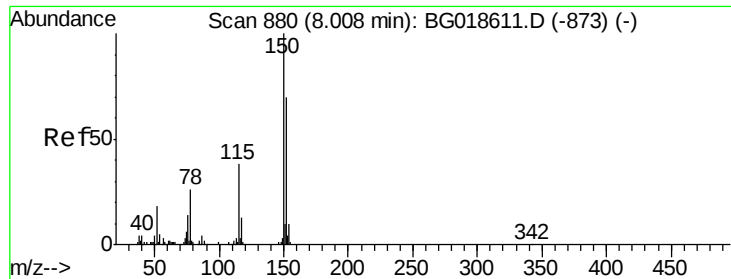
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG091115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 15 01:23:14 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.00 min Scan# 879

Delta R.T. -0.00 min

Lab File: BG018677.D

Acq: 15 Sep 2015 00:41

Instrument :

BNA\_G

ClientSampleId :

SWD-1(3RD-QUART)

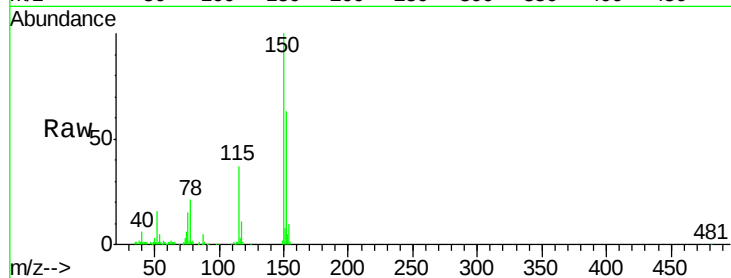
Tgt Ion:152 Resp: 64432

Ion Ratio Lower Upper

152 100

150 158.9 115.0 172.4

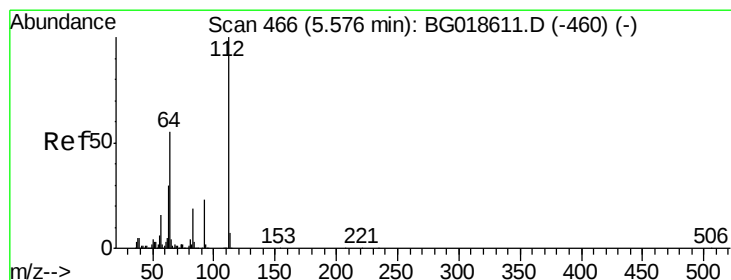
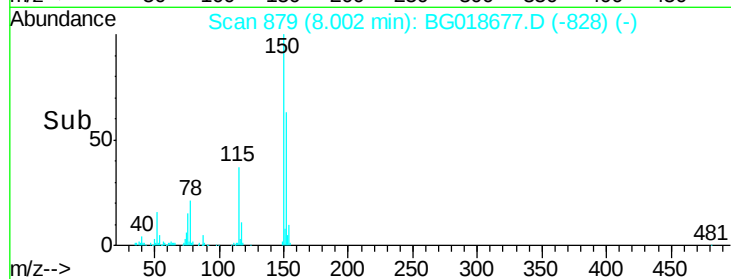
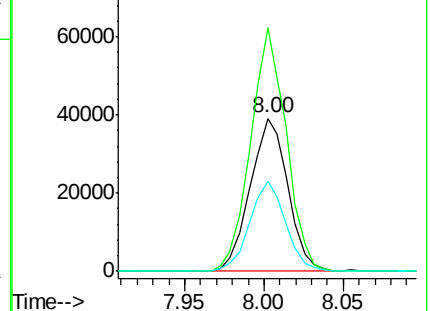
115 59.1 43.9 65.9



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: 40.08 ng

RT: 5.58 min Scan# 466

Delta R.T. -0.00 min

Lab File: BG018677.D

Acq: 15 Sep 2015 00:41

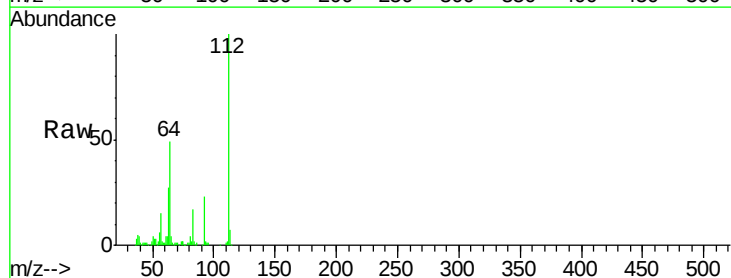
Tgt Ion:112 Resp: 149478

Ion Ratio Lower Upper

112 100

64 48.8 43.7 65.5

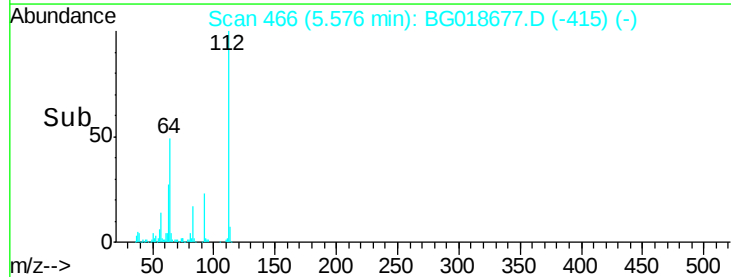
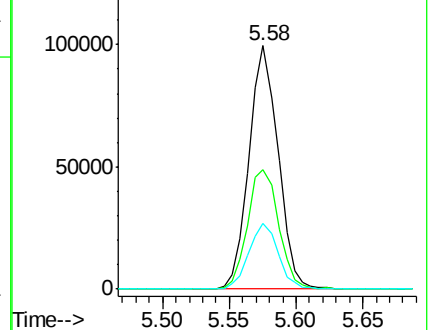
63 27.1 24.0 36.0

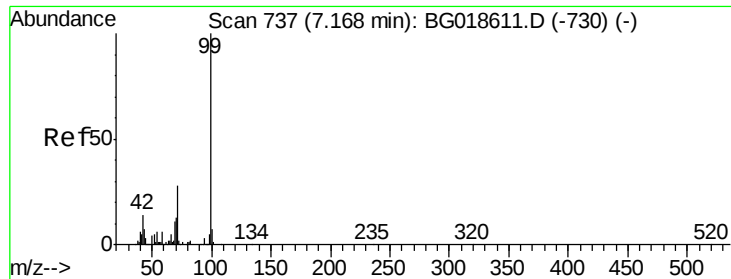


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 23.46 ng

RT: 7.16 min Scan# 736

Delta R.T. -0.00 min

Lab File: BG018677.D

Acq: 15 Sep 2015 00:41

Instrument :

BNA\_G

ClientSampleId :

SWD-1(3RD-QUART)

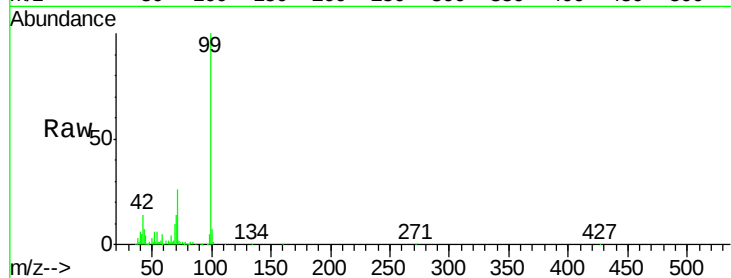
Tgt Ion: 99 Resp: 125448

Ion Ratio Lower Upper

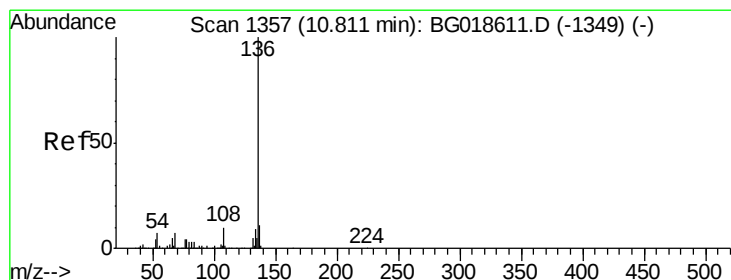
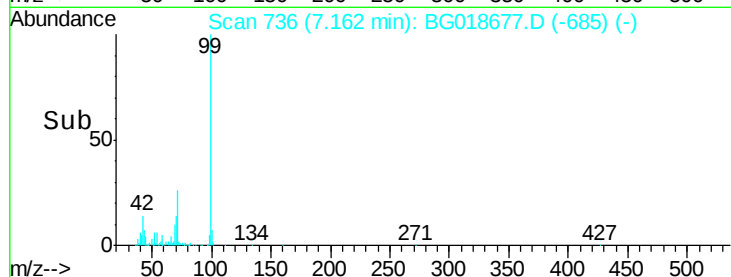
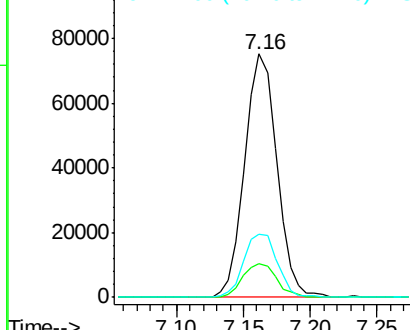
99 100

42 13.7 11.5 17.3

71 26.1 22.6 34.0



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: 20.00 ng

RT: 10.80 min Scan# 1356

Delta R.T. -0.01 min

Lab File: BG018677.D

Acq: 15 Sep 2015 00:41

Tgt Ion: 136 Resp: 283055

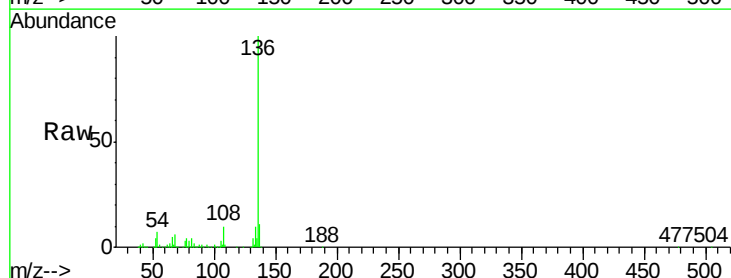
Ion Ratio Lower Upper

136 100

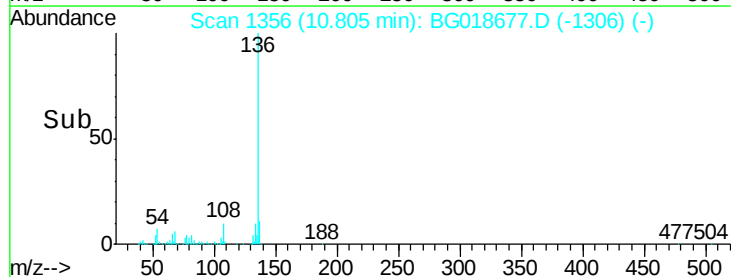
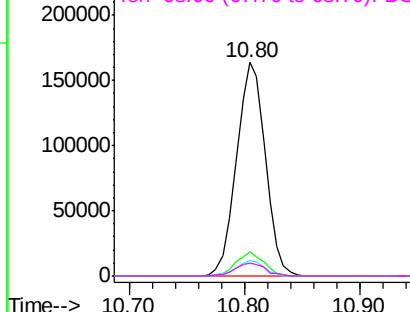
137 11.4 8.6 12.8

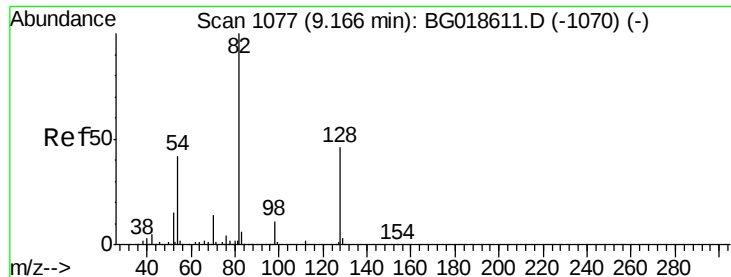
54 7.5 5.4 8.2

68 5.9 5.3 7.9



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

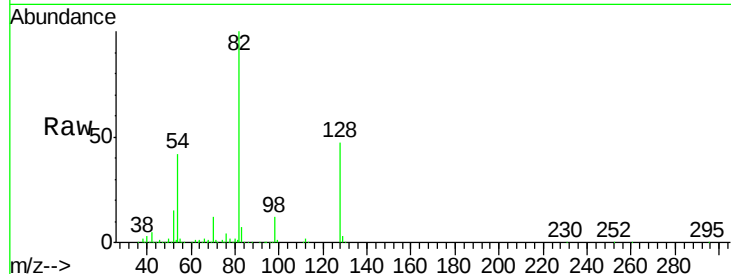




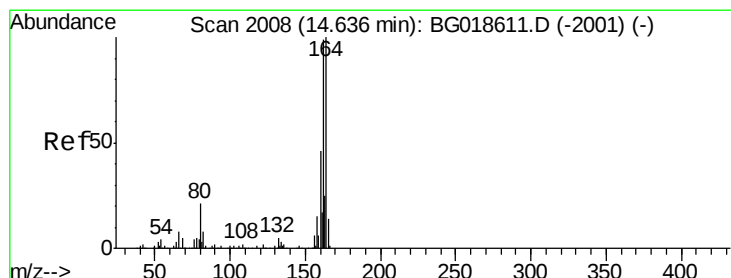
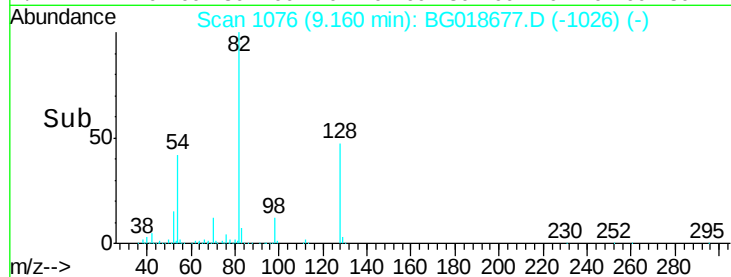
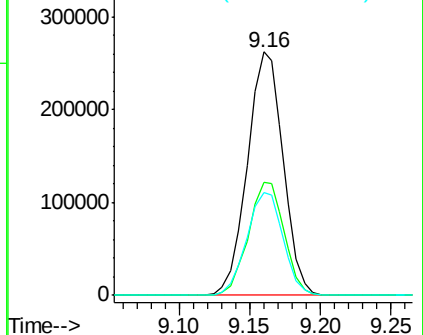
#23  
 Nitrobenzene-d5  
 Concen: 92.01 ng  
 RT: 9.16 min Scan# 1076  
 Delta R.T. -0.01 min  
 Lab File: BG018677.D  
 Acq: 15 Sep 2015 00:41

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SWD-1(3RD-QUART)

Tgt Ion: 82 Resp: 465442  
 Ion Ratio Lower Upper  
 82 100  
 128 46.6 36.7 55.1  
 54 42.5 33.8 50.8

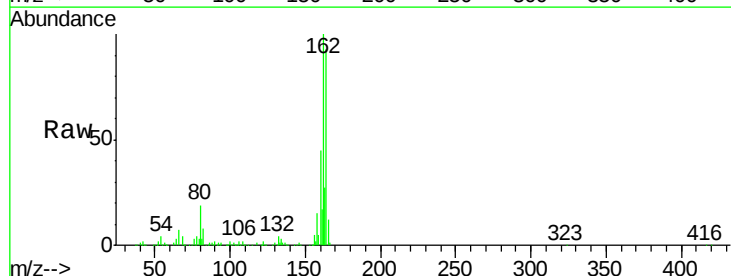


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

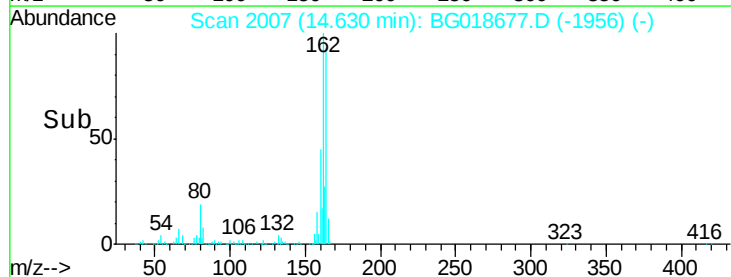
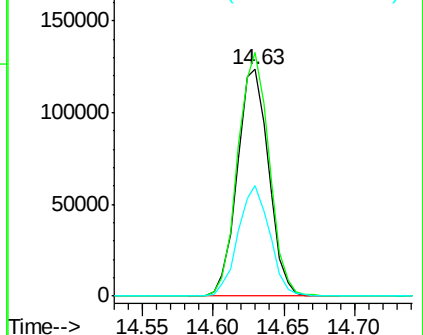


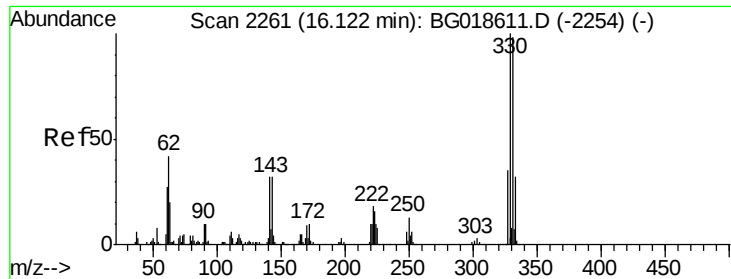
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.63 min Scan# 2007  
 Delta R.T. -0.00 min  
 Lab File: BG018677.D  
 Acq: 15 Sep 2015 00:41

Tgt Ion: 164 Resp: 192410  
 Ion Ratio Lower Upper  
 164 100  
 162 107.5 78.8 118.2  
 160 48.9 36.4 54.6



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

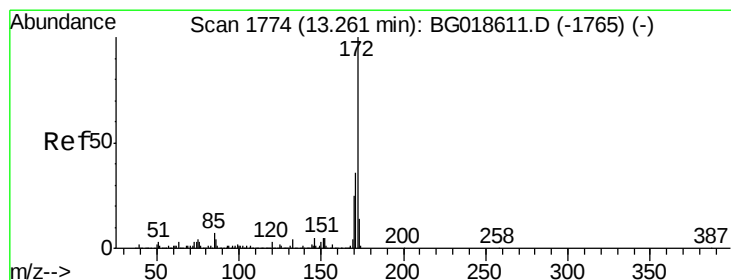
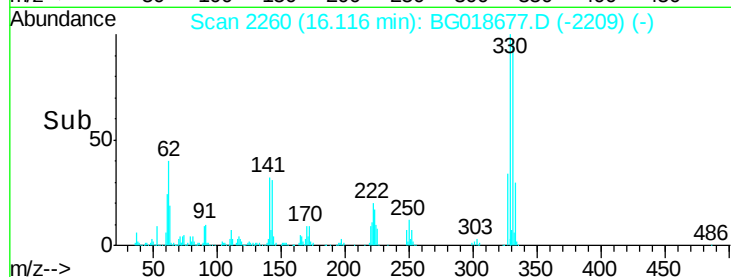
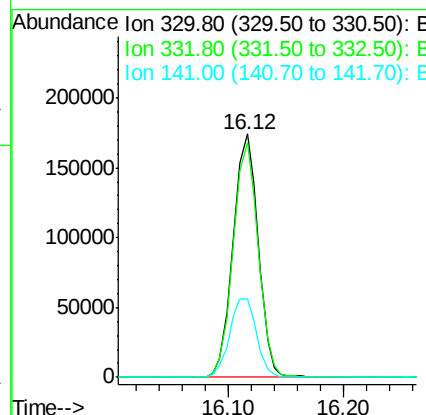
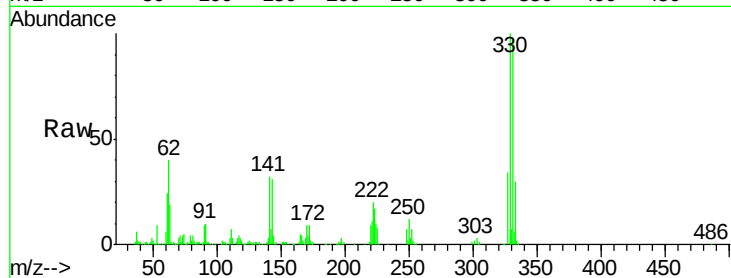




#41  
 2,4,6-Tribromophenol  
 Concen: 101.77 ng  
 RT: 16.12 min Scan# 2260  
 Delta R.T. -0.00 min  
 Lab File: BG018677.D  
 Acq: 15 Sep 2015 00:41

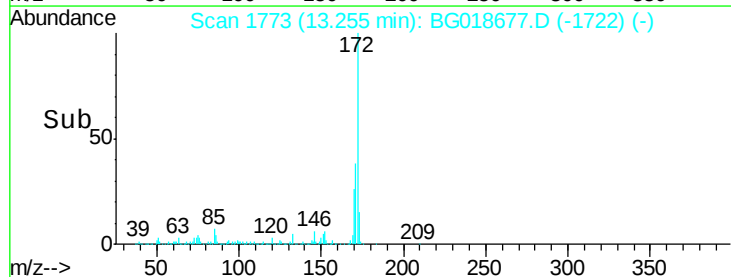
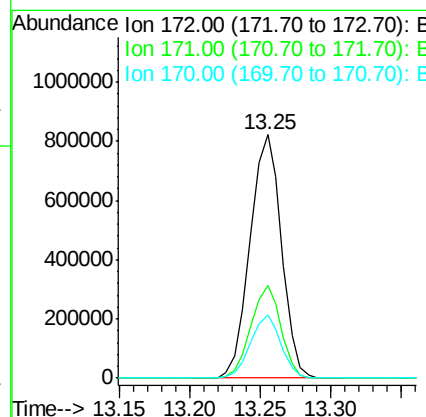
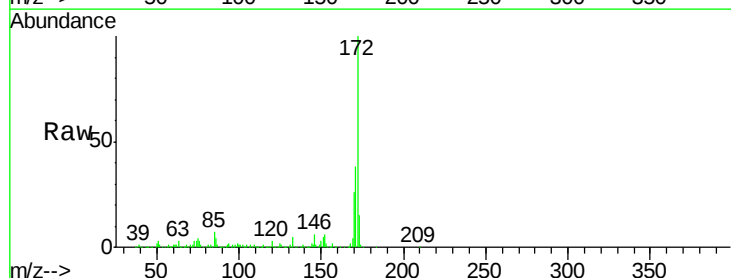
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SWD-1(3RD-QUART)

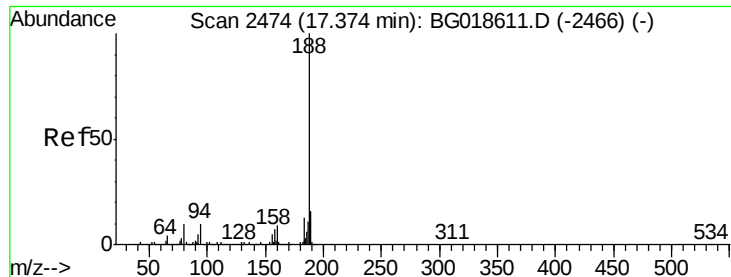
Tgt Ion:330 Resp: 263676  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 78.1 117.1  
 141 34.3 28.2 42.2



#44  
 2-Fluorobiphenyl  
 Concen: 92.53 ng  
 RT: 13.25 min Scan# 1773  
 Delta R.T. -0.00 min  
 Lab File: BG018677.D  
 Acq: 15 Sep 2015 00:41

Tgt Ion:172 Resp: 1282474  
 Ion Ratio Lower Upper  
 172 100  
 171 38.1 29.0 43.6  
 170 26.0 19.9 29.9

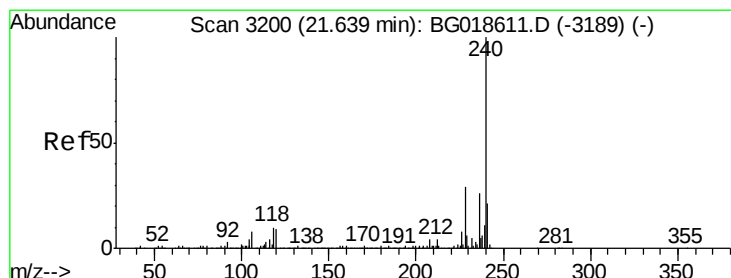
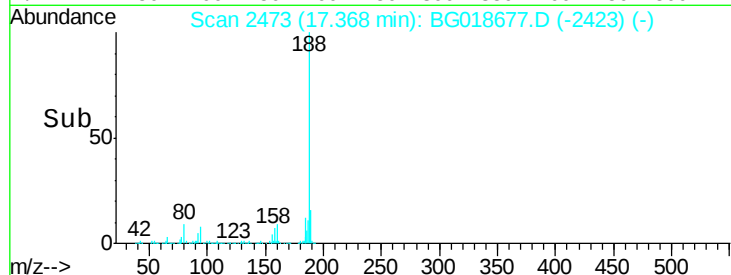
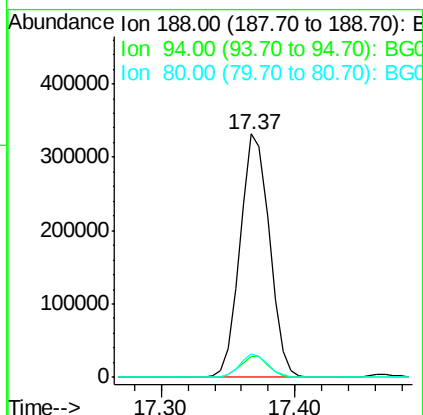
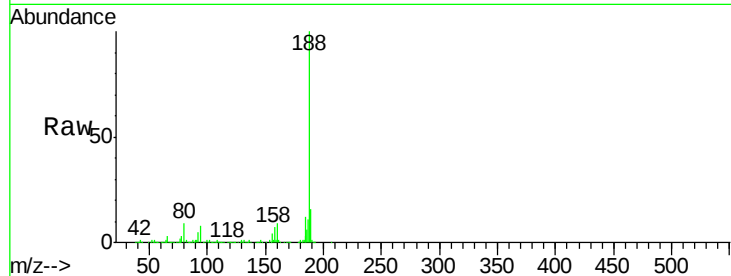




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.37 min Scan# 2473  
Delta R.T. -0.01 min  
Lab File: BG018677.D  
Acq: 15 Sep 2015 00:41

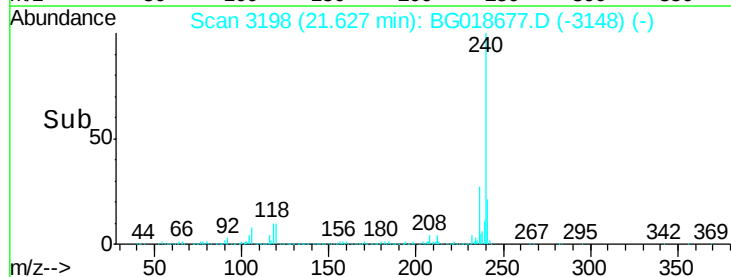
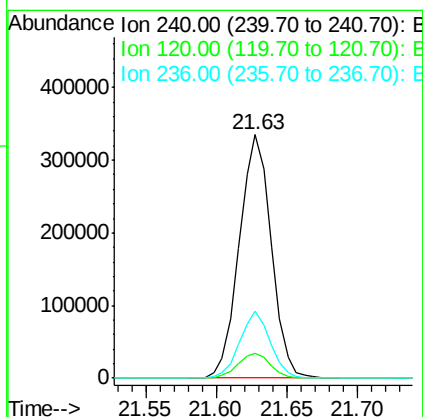
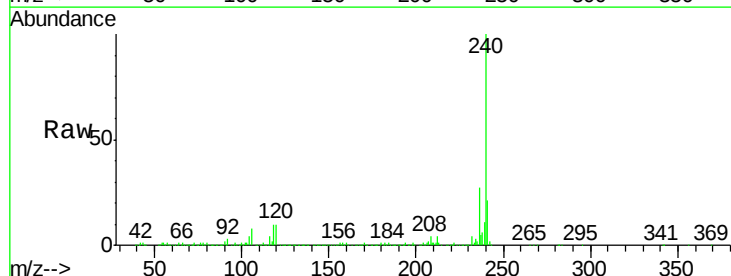
Instrument :  
BNA\_G  
ClientSampleId :  
SWD-1(3RD-QUART)

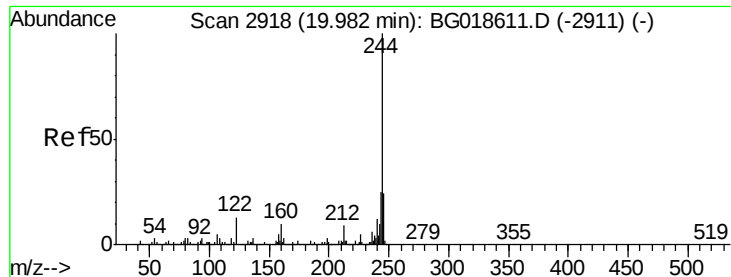
Tgt Ion:188 Resp: 503559  
Ion Ratio Lower Upper  
188 100  
94 8.5 7.7 11.5  
80 9.4 7.8 11.8



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.63 min Scan# 3198  
Delta R.T. -0.01 min  
Lab File: BG018677.D  
Acq: 15 Sep 2015 00:41

Tgt Ion:240 Resp: 530635  
Ion Ratio Lower Upper  
240 100  
120 10.2 7.4 11.0  
236 27.4 20.7 31.1





#78

Terphenyl-d14

Concen: 89.02 ng

RT: 19.98 min Scan# 2918

Delta R.T. -0.00 min

Lab File: BG018677.D

Acq: 15 Sep 2015 00:41

Instrument :

BNA\_G

ClientSampleId :

SWD-1(3RD-QUART)

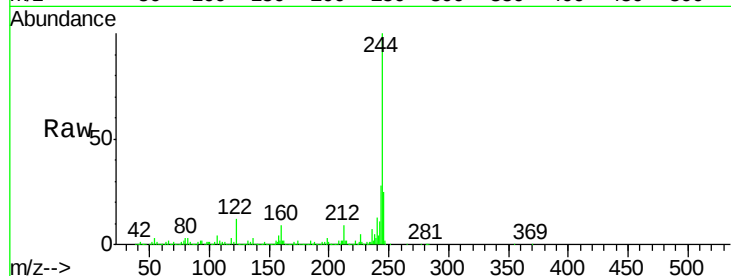
Tgt Ion:244 Resp: 1798841

Ion Ratio Lower Upper

244 100

212 9.1 6.9 10.3

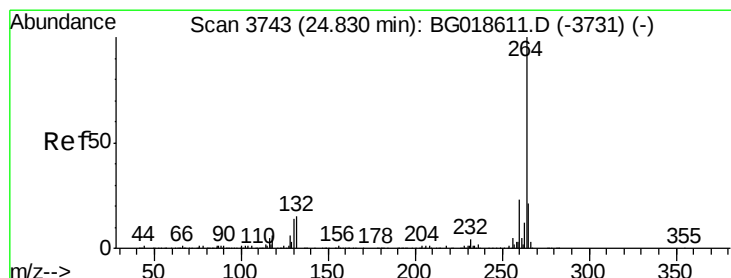
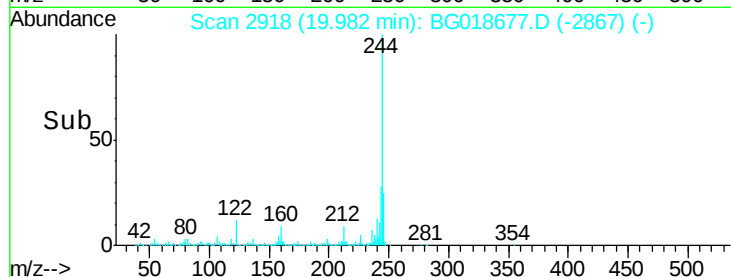
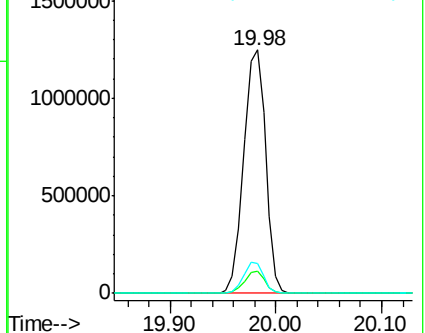
122 12.3 10.2 15.2



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 24.82 min Scan# 3741

Delta R.T. -0.00 min

Lab File: BG018677.D

Acq: 15 Sep 2015 00:41

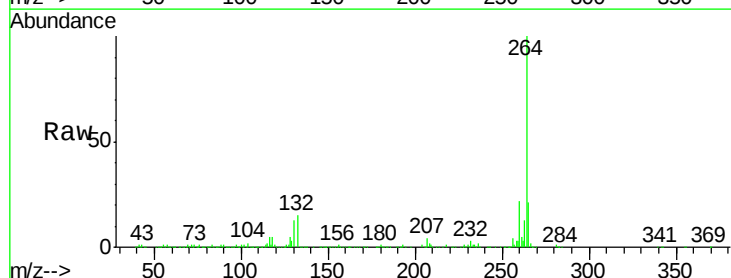
Tgt Ion:264 Resp: 541630

Ion Ratio Lower Upper

264 100

260 21.6 18.5 27.7

265 21.0 17.2 25.8



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

