

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020619\  
 Data File : BG039377.D  
 Acq On : 6 Feb 2019 19:14  
 Operator : JU/SJ  
 Sample : PB116873TB  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB116873TB

Quant Time: Feb 07 01:32:01 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   | 8.18  | 152  | 52948    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.00 | 136  | 225434   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.80 | 164  | 148861   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.54 | 188  | 367540   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.83 | 240  | 410511   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 25.21 | 264  | 401455   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.72  | 112  | 377968   | 122.18 | ng    | 0.00     |
| 7) Phenol-d6                | 7.31  | 99   | 538624   | 118.28 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.35  | 82   | 304512   | 84.39  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.28 | 330  | 194135   | 121.11 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.42 | 172  | 786262   | 75.77  | ng    | -0.01    |
| 79) Terphenyl-d14           | 20.14 | 244  | 1339566  | 69.07  | ng    | -0.01    |

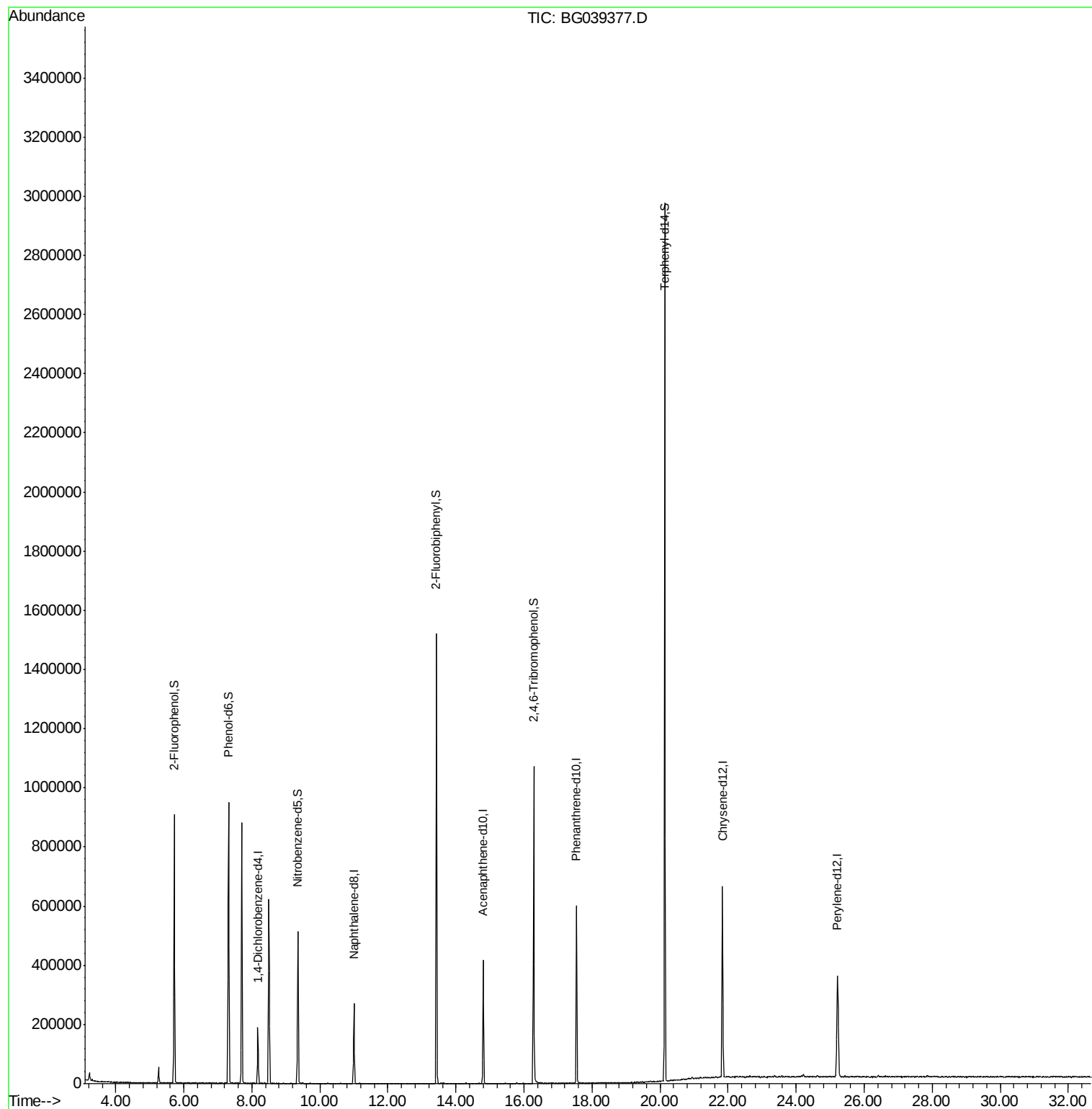
Target Compounds Qvalue

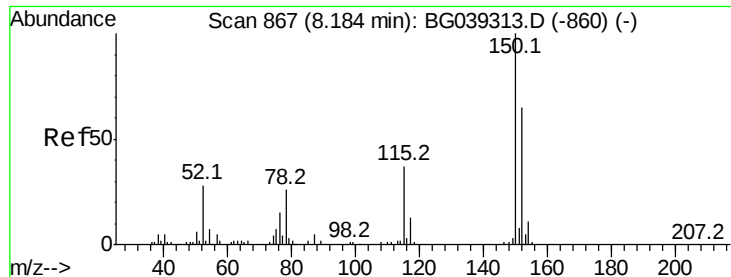
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jan 29 15:41:51 2019  
Response via : Initial Calibration



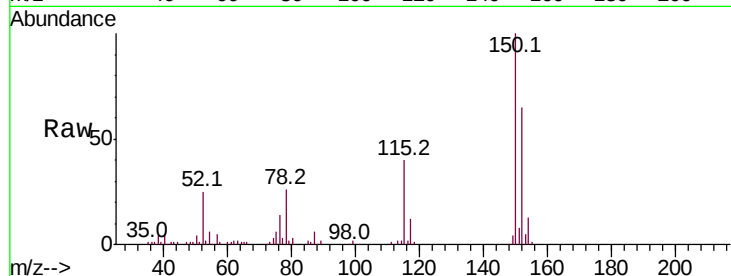


#1

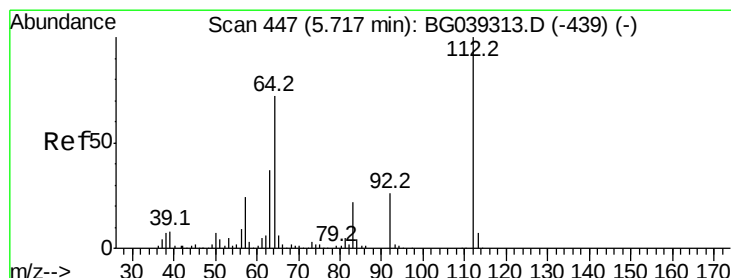
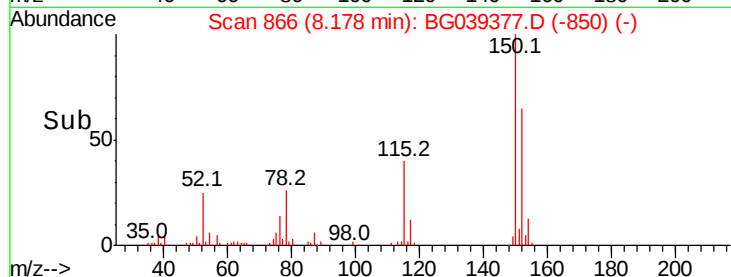
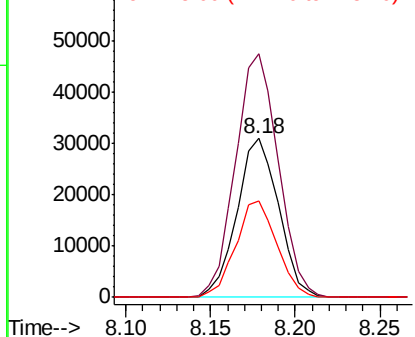
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.18 min Scan# 866  
Delta R.T. -0.01 min  
Lab File: BG039377.D  
Acq: 6 Feb 2019 19:14

Instrument :  
BNA\_G  
ClientSampleId :  
PB116873TB

Tot Ion:152 Resp: 52948  
Ion Ratio Lower Upper  
152 100  
150 153.5 123.7 185.5  
115 60.9 45.9 68.9



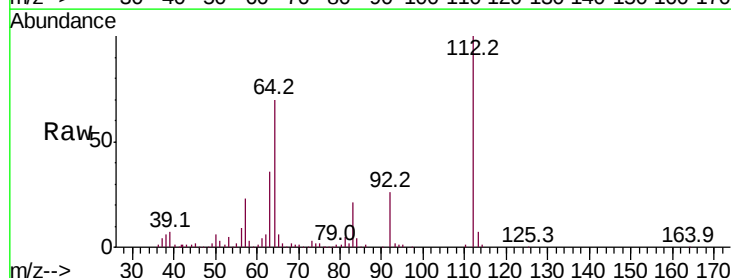
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



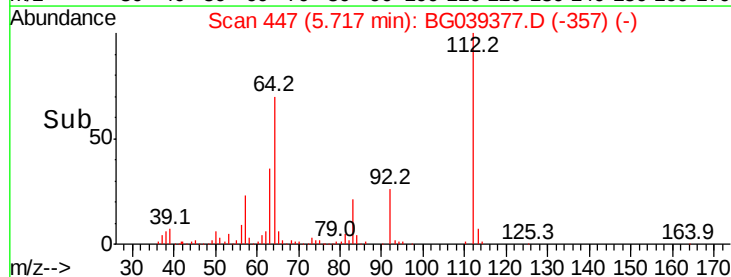
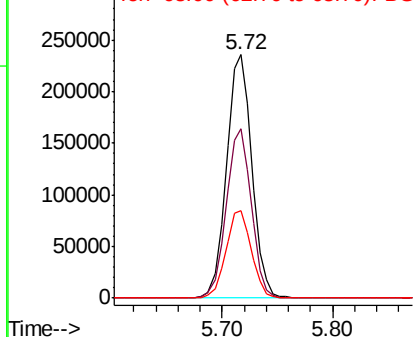
#5

2-Fluorophenol  
Concen: 122.176 ng  
RT: 5.72 min Scan# 447  
Delta R.T. -0.00 min  
Lab File: BG039377.D  
Acq: 6 Feb 2019 19:14

Tgt Ion:112 Resp: 377968  
Ion Ratio Lower Upper  
112 100  
64 69.7 57.8 86.8  
63 35.7 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: 118.281 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039377.D

Acq: 6 Feb 2019 19:14

Instrument :

BNA\_G

ClientSampleId :

PB116873TB

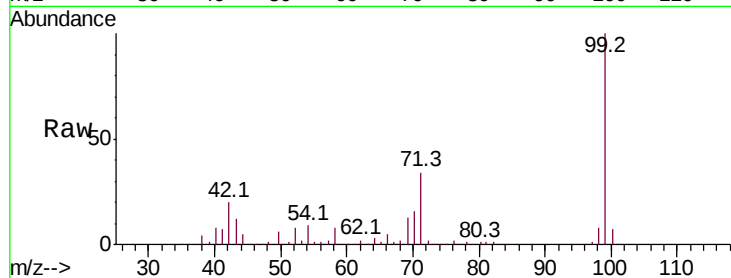
Tot Ion: 99 Resp: 538624

Ion Ratio Lower Upper

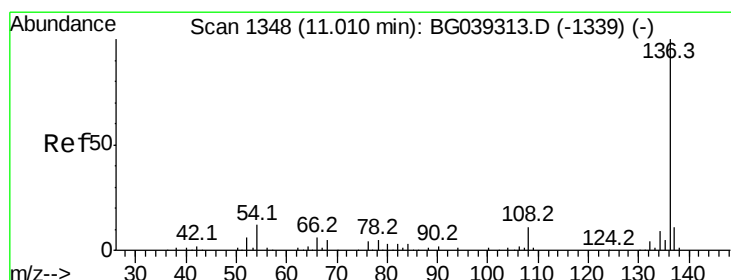
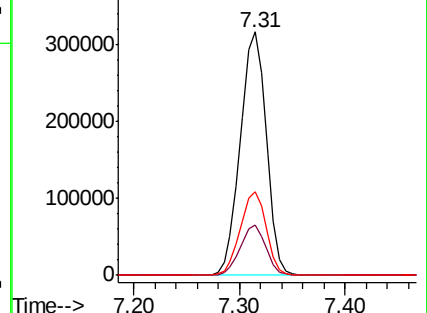
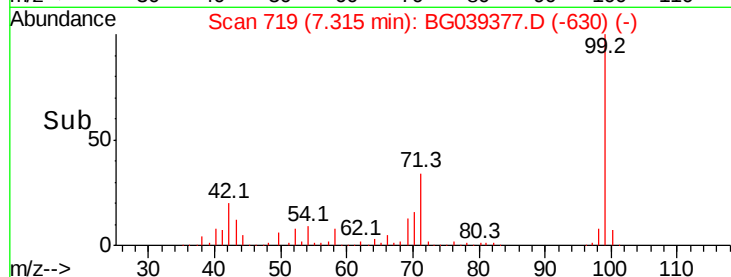
99 100

42 20.5 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: 11.00 min Scan# 1346

Delta R.T. -0.01 min

Lab File: BG039377.D

Acq: 6 Feb 2019 19:14

Tgt Ion: 136 Resp: 225434

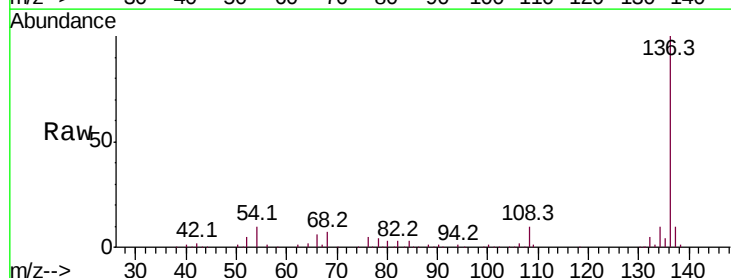
Ion Ratio Lower Upper

136 100

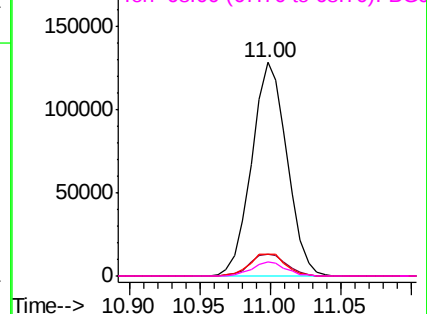
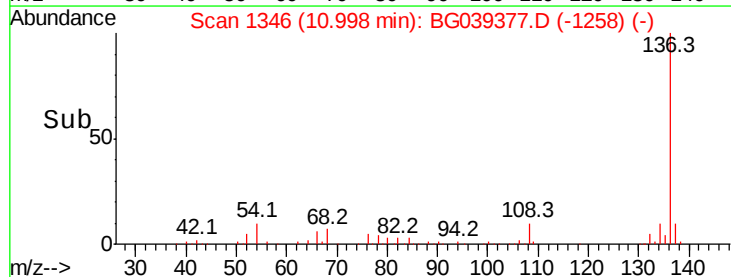
137 10.5 9.1 13.7

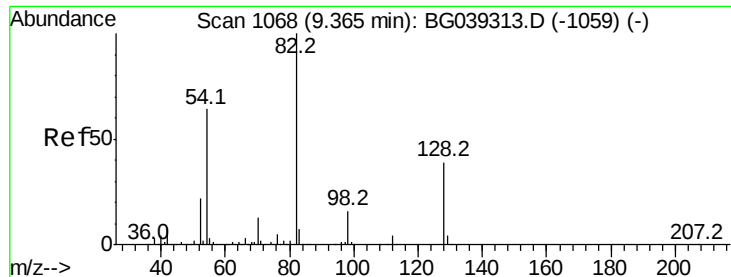
54 10.5 9.4 14.2

68 6.9 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

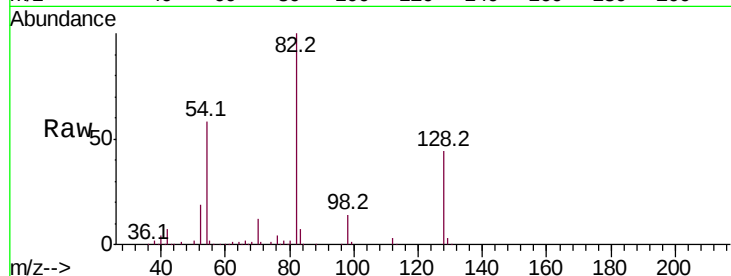




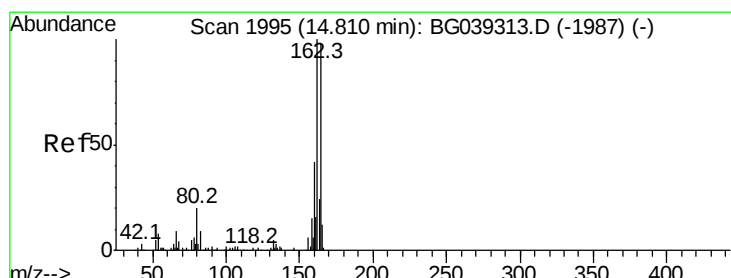
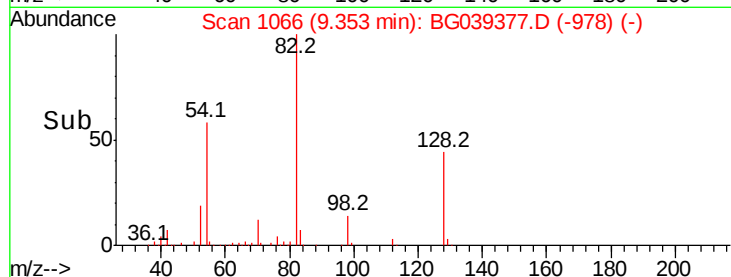
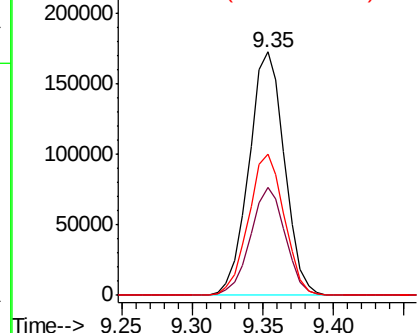
#23  
Nitrobenzene-d5  
Concen: 84.385 ng  
RT: 9.35 min Scan# 1066  
Delta R.T. -0.01 min  
Lab File: BG039377.D  
Acq: 6 Feb 2019 19:14

Instrument :  
BNA\_G  
ClientSampleId :  
PB116873TB

Tot Ion: 82 Resp: 304512  
Ion Ratio Lower Upper  
82 100  
128 44.3 31.3 46.9  
54 58.0 50.9 76.3

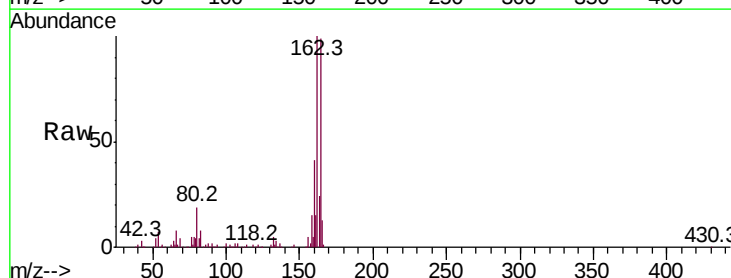


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

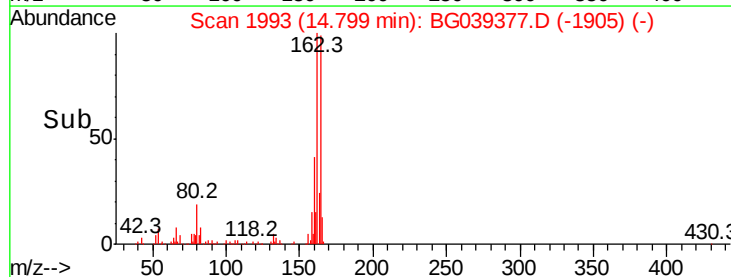
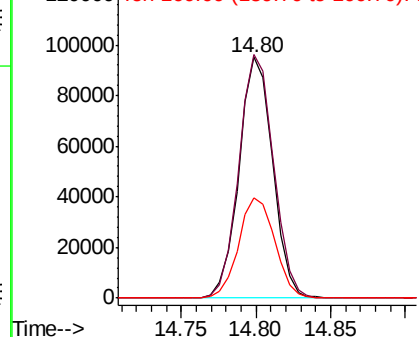


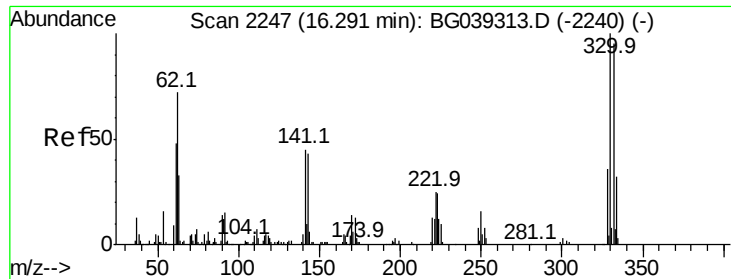
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.80 min Scan# 1993  
Delta R.T. -0.01 min  
Lab File: BG039377.D  
Acq: 6 Feb 2019 19:14

Tgt Ion:164 Resp: 148861  
Ion Ratio Lower Upper  
164 100  
162 101.2 81.6 122.4  
160 41.8 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

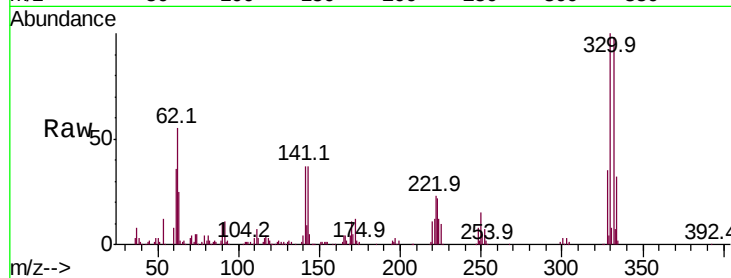




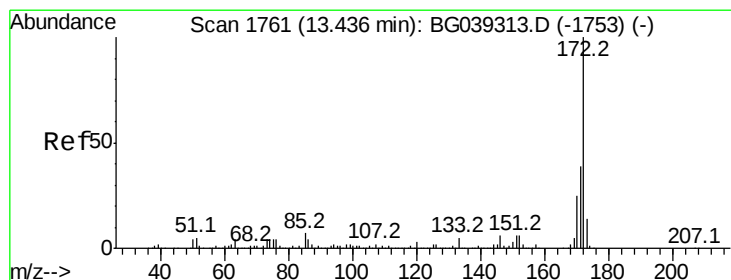
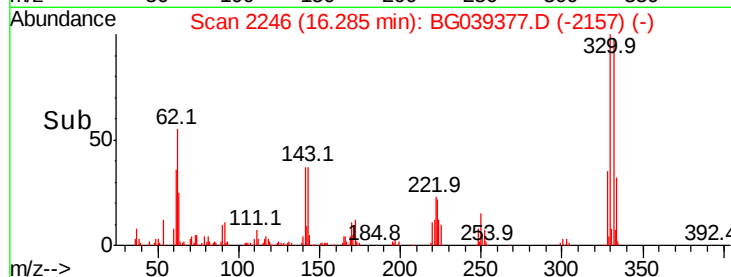
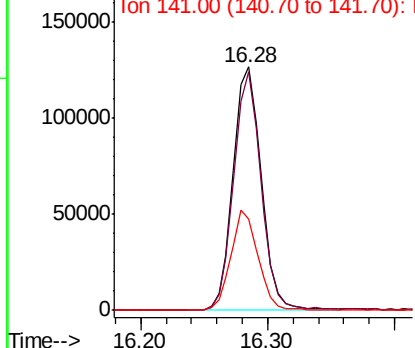
#42  
2,4,6-Tribromophenol  
Concen: 121.109 ng  
RT: 16.28 min Scan# 2246  
Delta R.T. -0.01 min  
Lab File: BG039377.D  
Acq: 6 Feb 2019 19:14

Instrument :  
BNA\_G  
ClientSampleId :  
PB116873TB

Tot Ion:330 Resp: 194135  
Ion Ratio Lower Upper  
330 100  
332 95.5 75.7 113.5  
141 39.9 35.6 53.4

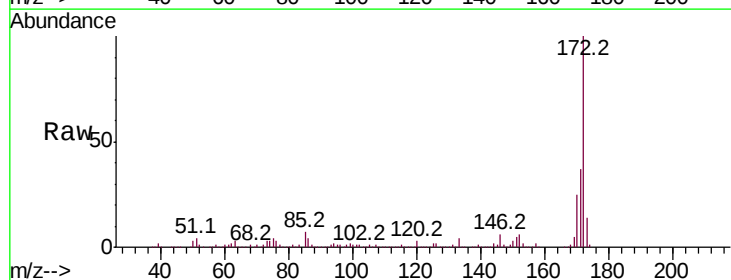


Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

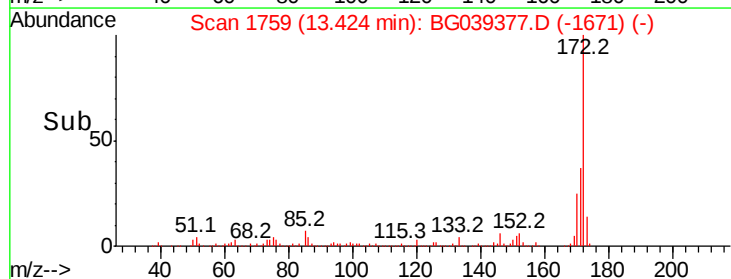
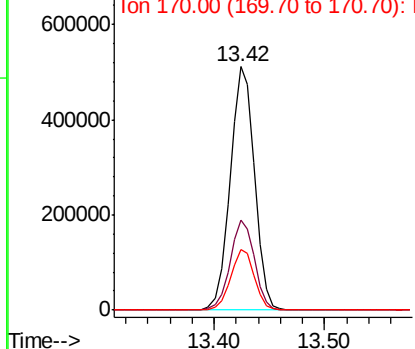


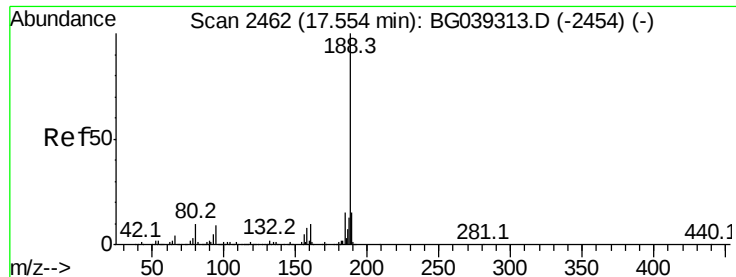
#45  
2-Fluorobiphenyl  
Concen: 75.771 ng  
RT: 13.42 min Scan# 1759  
Delta R.T. -0.01 min  
Lab File: BG039377.D  
Acq: 6 Feb 2019 19:14

Tgt Ion:172 Resp: 786262  
Ion Ratio Lower Upper  
172 100  
171 37.1 30.8 46.2  
170 24.6 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: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039377.D

Acq: 6 Feb 2019 19:14

Instrument :

BNA\_G

ClientSampleId :

PB116873TB

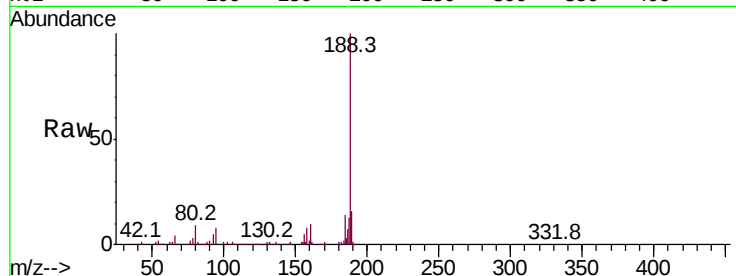
Tot Ion:188 Resp: 367540

Ion Ratio Lower Upper

188 100

94 7.9 6.9 10.3

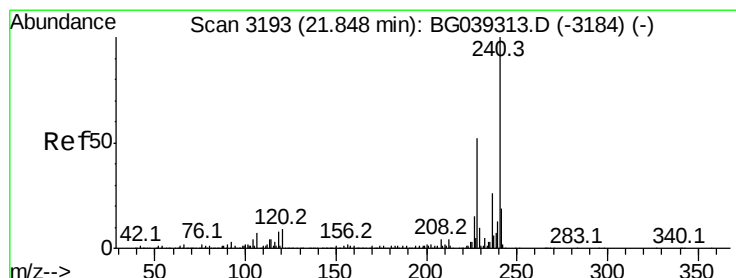
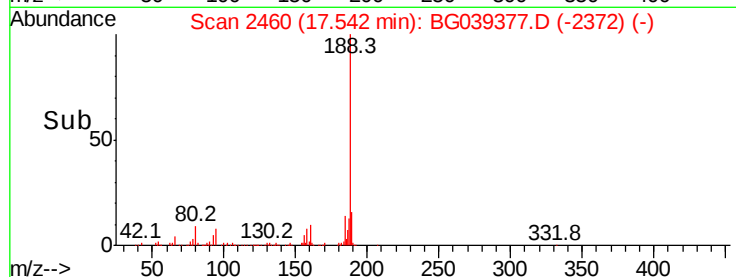
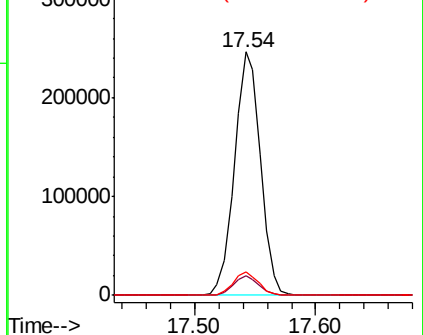
80 9.5 8.1 12.1



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: 21.83 min Scan# 3190

Delta R.T. -0.02 min

Lab File: BG039377.D

Acq: 6 Feb 2019 19:14

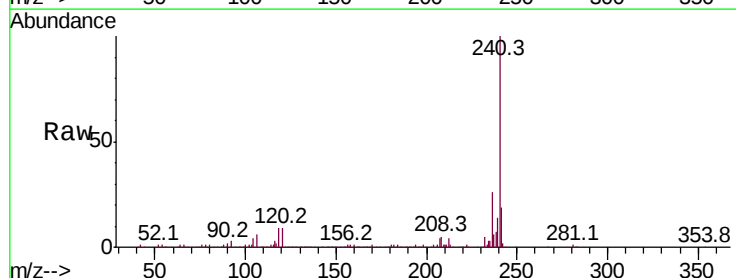
Tgt Ion:240 Resp: 410511

Ion Ratio Lower Upper

240 100

120 8.9 7.0 10.6

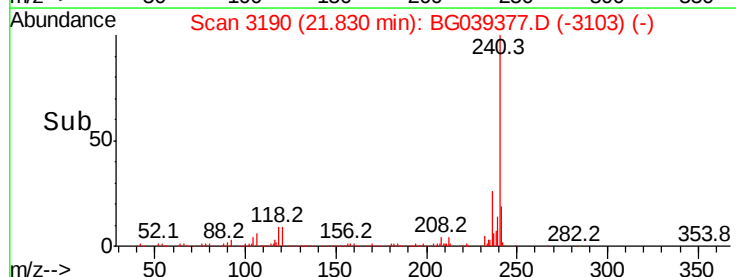
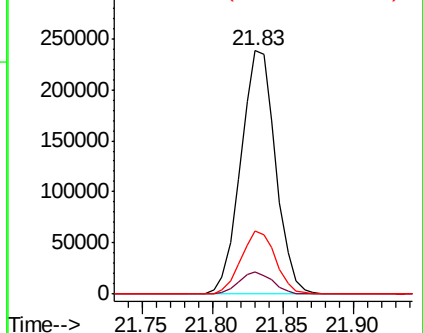
236 25.7 21.0 31.4

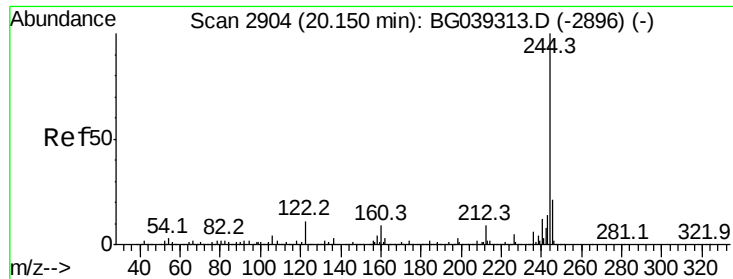


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 69.071 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039377.D

Acq: 6 Feb 2019 19:14

Instrument :

BNA\_G

ClientSampleId :

PB116873TB

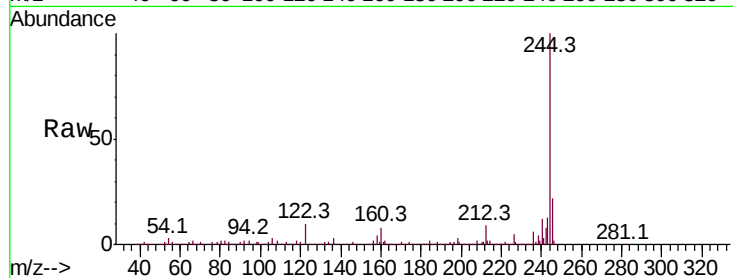
Tot Ion:244 Resp: 1339566

Ion Ratio Lower Upper

244 100

212 8.9 7.3 10.9

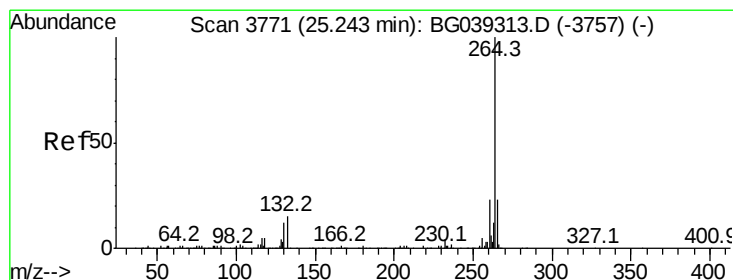
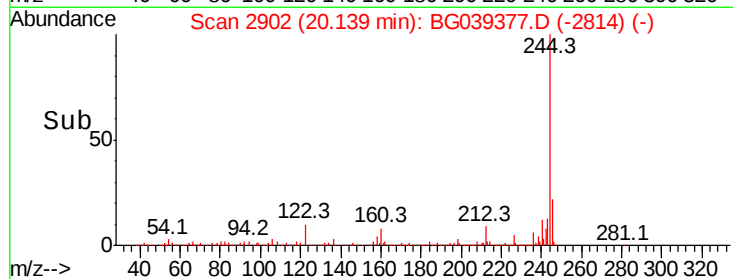
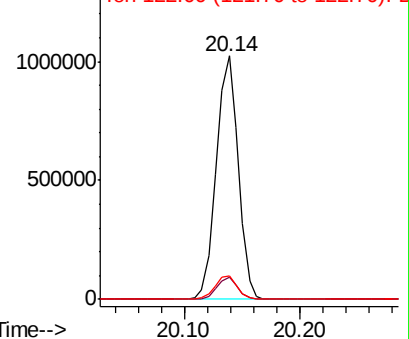
122 9.5 8.4 12.6



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: 25.21 min Scan# 3766

Delta R.T. -0.03 min

Lab File: BG039377.D

Acq: 6 Feb 2019 19:14

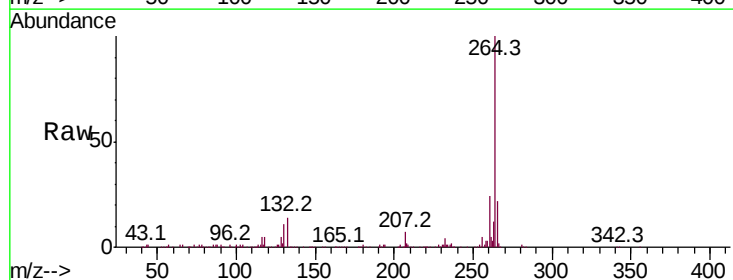
Tgt Ion:264 Resp: 401455

Ion Ratio Lower Upper

264 100

260 23.9 18.2 27.4

265 21.8 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

