

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120415\  
 Data File : BG019934.D  
 Acq On : 5 Dec 2015 9:57  
 Operator : UM/NP  
 Sample : PB87048BL  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB87048BL

Quant Time: Dec 07 04:06:56 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 02 18:50:01 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.11  | 152  | 47127    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.93 | 136  | 206255   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.74 | 164  | 152203   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.49 | 188  | 386108   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12            | 21.76 | 240  | 473883   | 20.00 | ng    | -0.04    |
| 86) Perylene-d12            | 25.04 | 264  | 439366   | 20.00 | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.66  | 112  | 217966   | 83.59 | ng    | -0.01    |
| 7) Phenol-d6                | 7.26  | 99   | 318467   | 80.89 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.28  | 82   | 208071   | 51.48 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.23 | 330  | 155813   | 66.91 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.37 | 172  | 519004   | 46.56 | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.09 | 244  | 903894   | 46.53 | ng    | -0.02    |

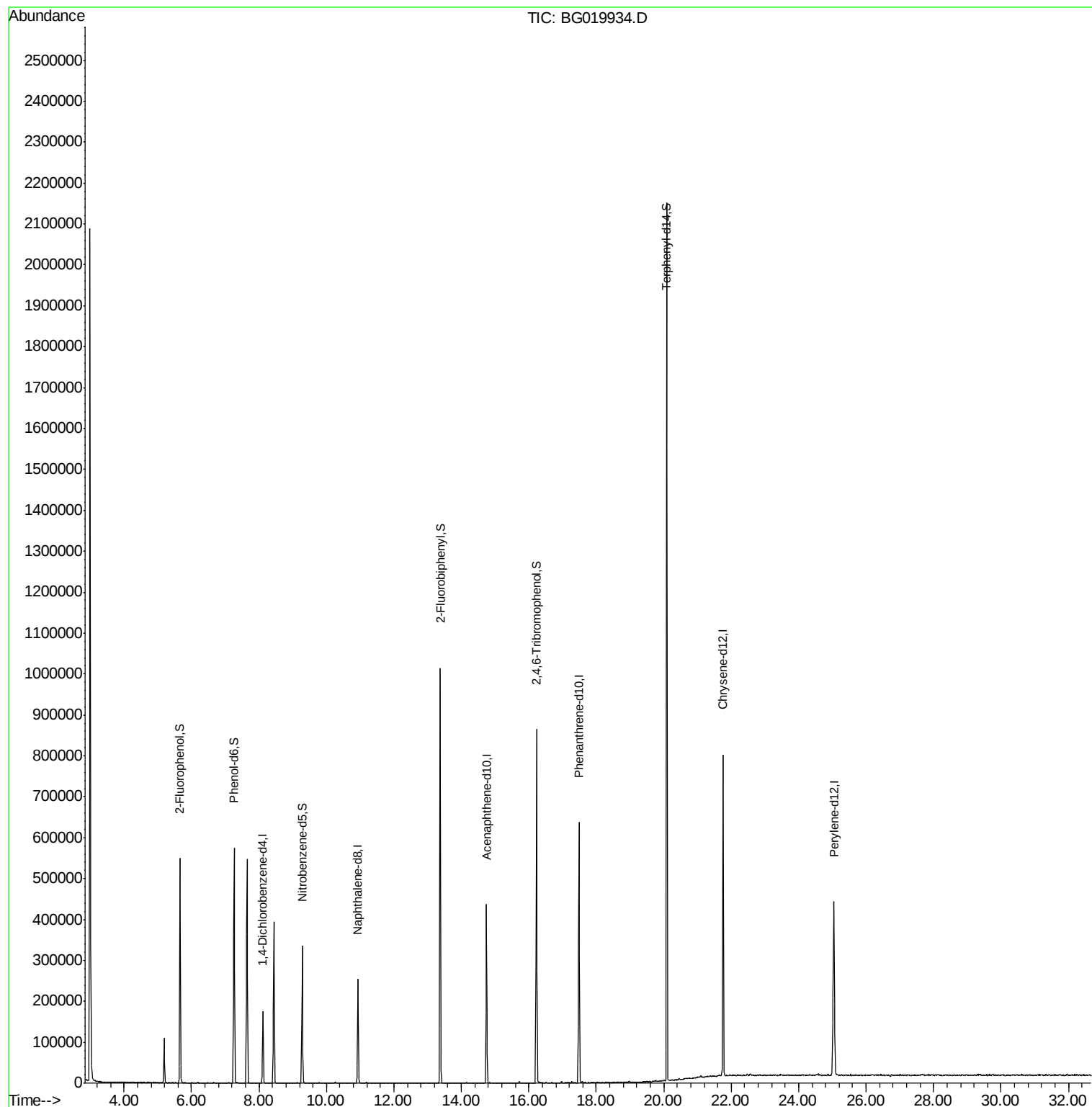
Target Compounds Qvalue

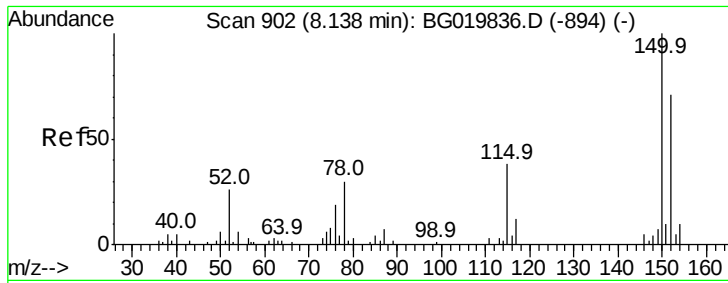
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 02 18:50:01 2015  
Response via : Initial Calibration



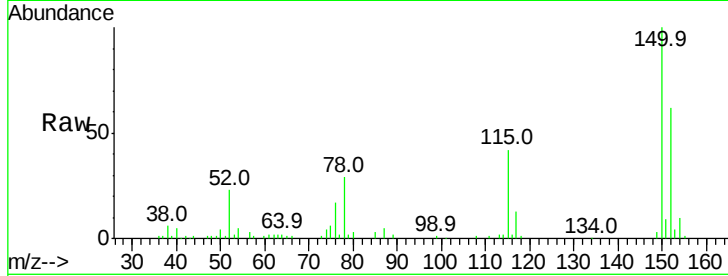


#1

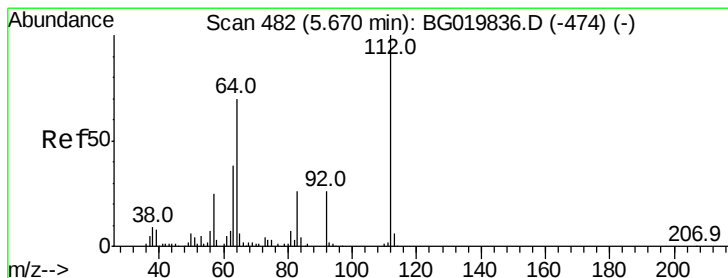
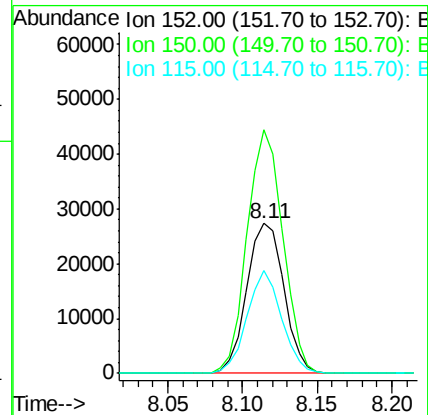
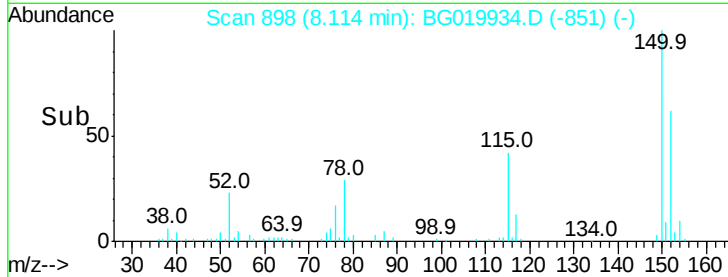
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.11 min Scan# 898  
Delta R.T. -0.02 min  
Lab File: BG019934.D  
Acq: 5 Dec 2015 9:57

Instrument :  
BNA\_G  
ClientSampleId :  
PB87048BL

Tot Ion:152 Resp: 47127  
Ion Ratio Lower Upper  
152 100  
150 162.3 115.0 172.4  
115 68.4 43.9 65.9#



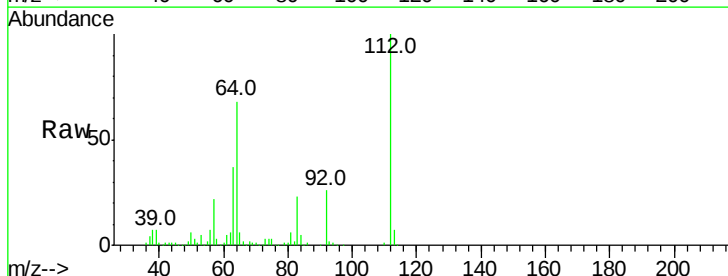
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



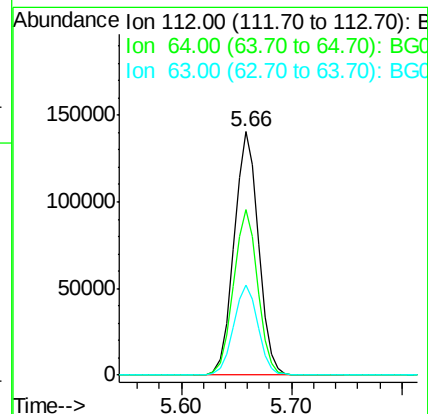
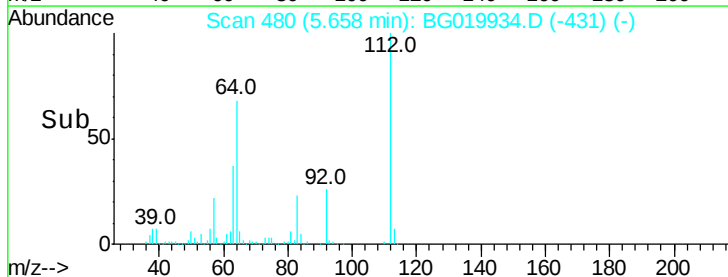
#5

2-Fluorophenol  
Concen: 83.59 ng  
RT: 5.66 min Scan# 480  
Delta R.T. -0.01 min  
Lab File: BG019934.D  
Acq: 5 Dec 2015 9:57

Tgt Ion:112 Resp: 217966  
Ion Ratio Lower Upper  
112 100  
64 67.8 43.7 65.5#  
63 37.2 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: 80.89 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.01 min

Lab File: BG019934.D

Acq: 5 Dec 2015 9:57

Instrument :

BNA\_G

ClientSampleID :

PB87048BL

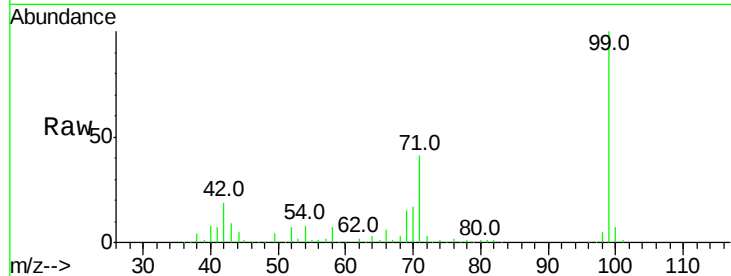
Tot Ion: 99 Resp: 318467

Ion Ratio Lower Upper

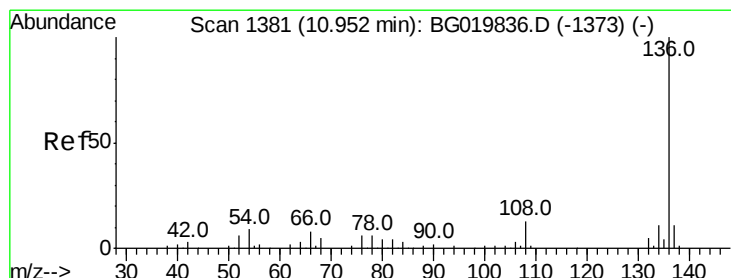
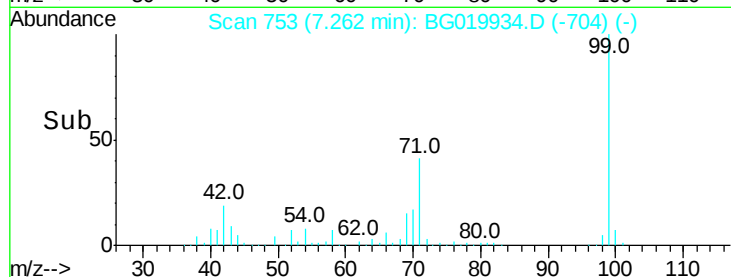
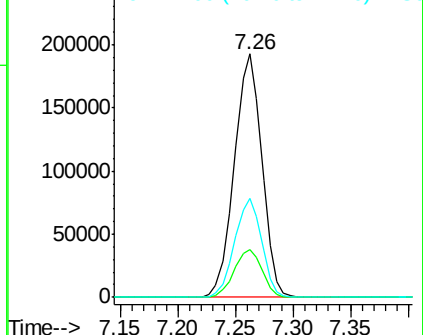
99 100

42 19.4 11.5 17.3#

71 40.6 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: 10.93 min Scan# 1378

Delta R.T. -0.02 min

Lab File: BG019934.D

Acq: 5 Dec 2015 9:57

Tgt Ion: 136 Resp: 206255

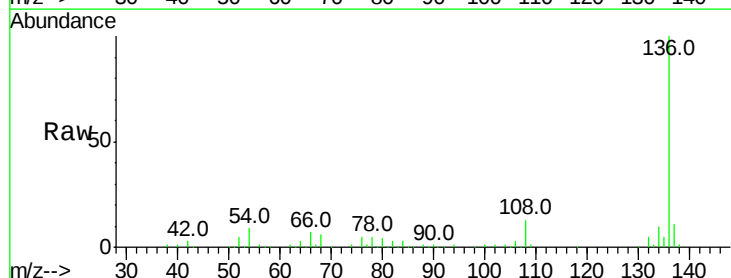
Ion Ratio Lower Upper

136 100

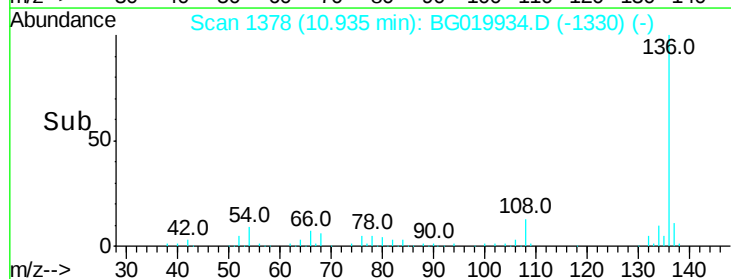
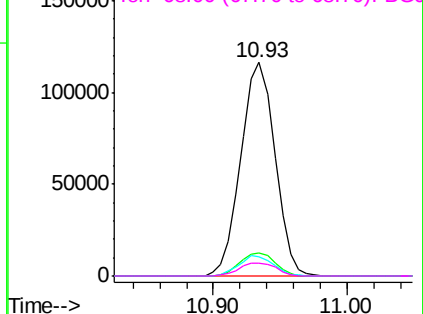
137 11.0 8.6 12.8

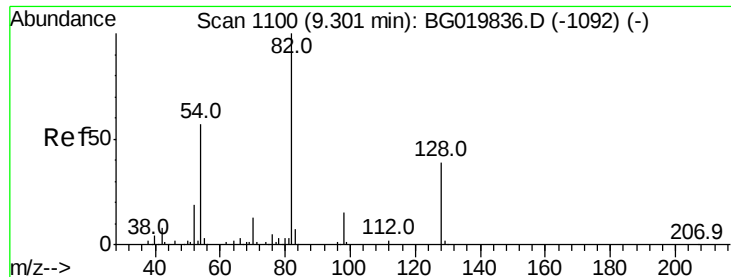
54 8.9 5.4 8.2#

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

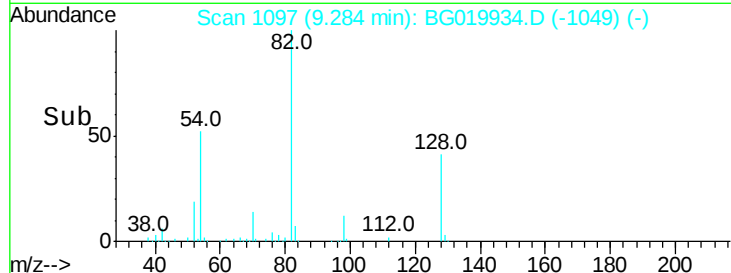
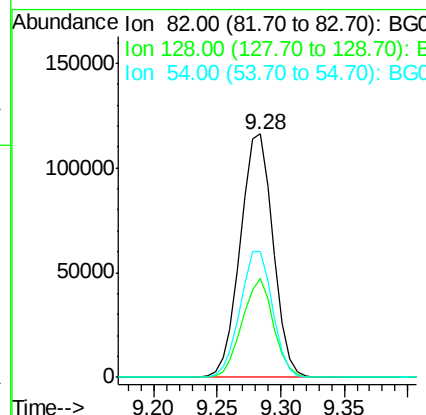
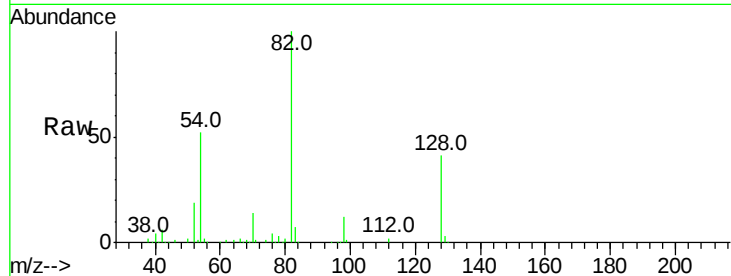




#23  
 Nitrobenzene-d5  
 Concen: 51.48 ng  
 RT: 9.28 min Scan# 1097  
 Delta R.T. -0.02 min  
 Lab File: BG019934.D  
 Acq: 5 Dec 2015 9:57

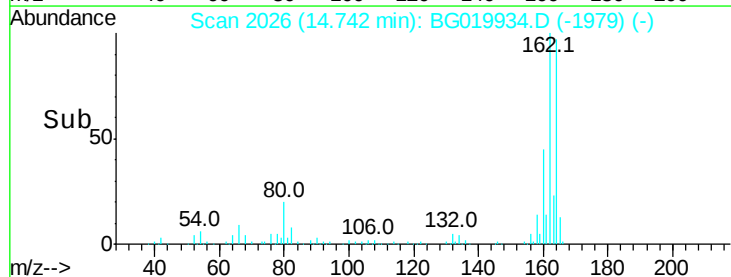
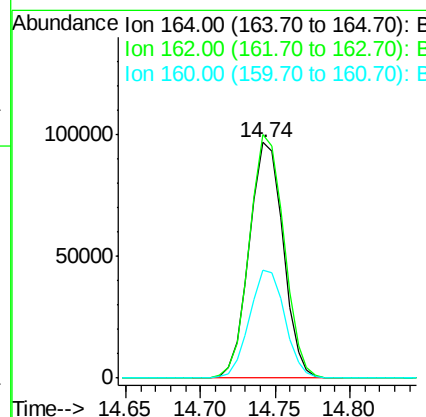
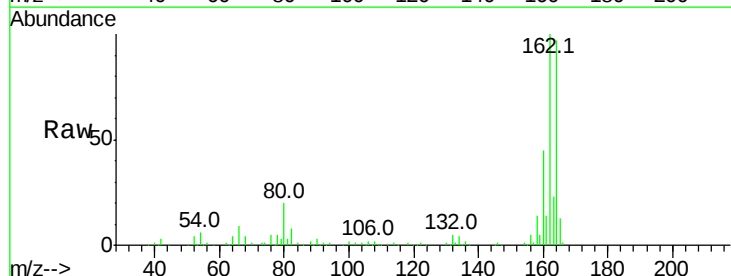
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB87048BL

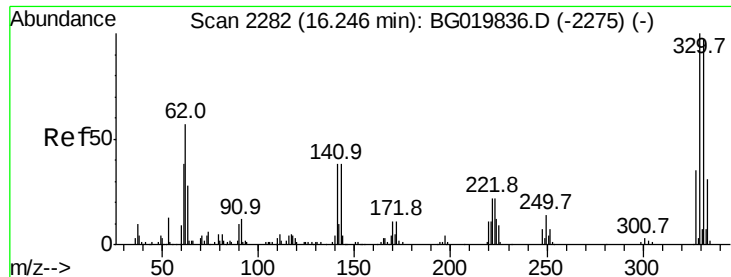
Tot Ion: 82 Resp: 208071  
 Ion Ratio Lower Upper  
 82 100  
 128 40.5 36.7 55.1  
 54 51.5 33.8 50.8#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.74 min Scan# 2026  
 Delta R.T. -0.02 min  
 Lab File: BG019934.D  
 Acq: 5 Dec 2015 9:57

Tgt Ion: 164 Resp: 152203  
 Ion Ratio Lower Upper  
 164 100  
 162 103.3 78.8 118.2  
 160 46.0 36.4 54.6

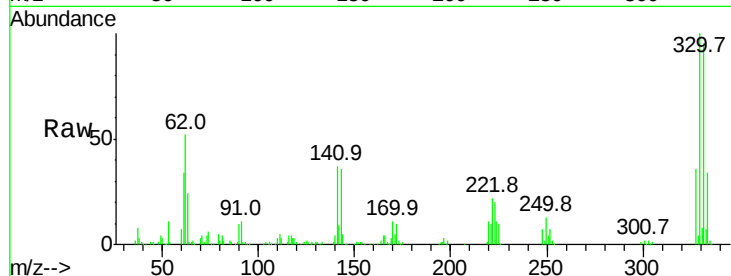




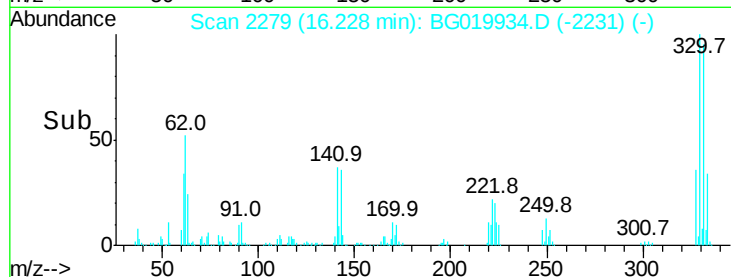
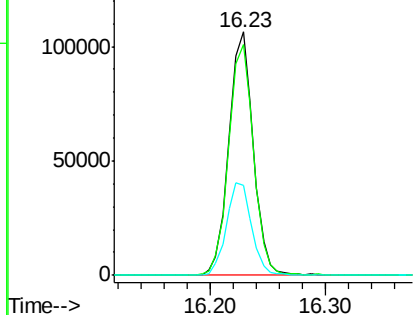
#41  
 2,4,6-Tribromophenol  
 Concen: 66.91 ng  
 RT: 16.23 min Scan# 2279  
 Delta R.T. -0.02 min  
 Lab File: BG019934.D  
 Acq: 5 Dec 2015 9:57

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB87048BL

Tot Ion:330 Resp: 155813  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 78.1 117.1  
 141 39.2 28.2 42.2

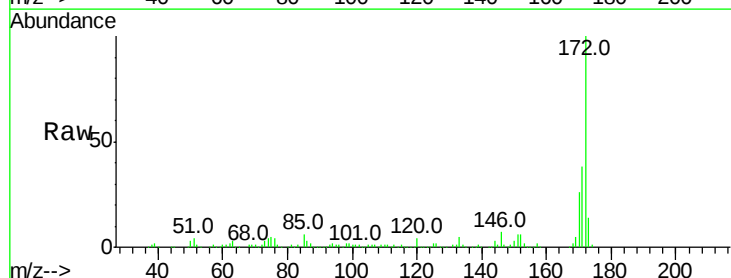


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

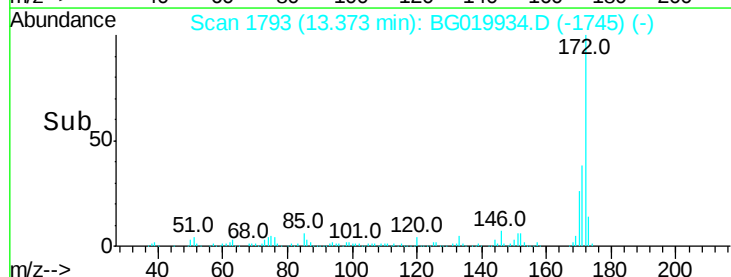
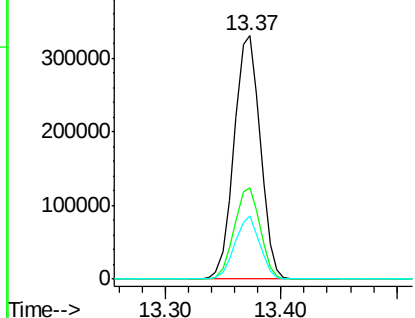


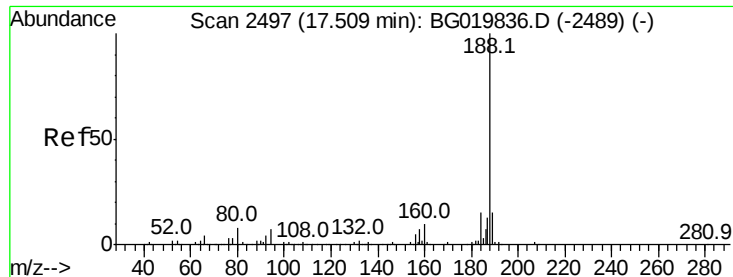
#44  
 2-Fluorobiphenyl  
 Concen: 46.56 ng  
 RT: 13.37 min Scan# 1793  
 Delta R.T. -0.02 min  
 Lab File: BG019934.D  
 Acq: 5 Dec 2015 9:57

Tgt Ion:172 Resp: 519004  
 Ion Ratio Lower Upper  
 172 100  
 171 37.6 29.0 43.6  
 170 25.8 19.9 29.9



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

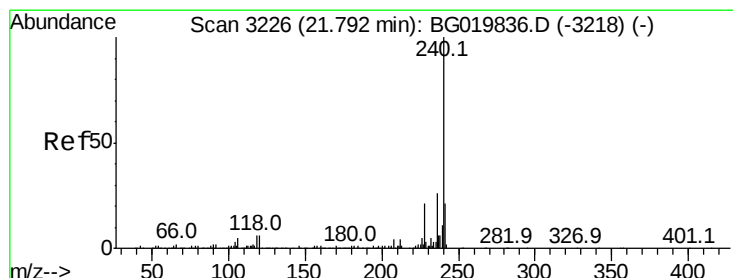
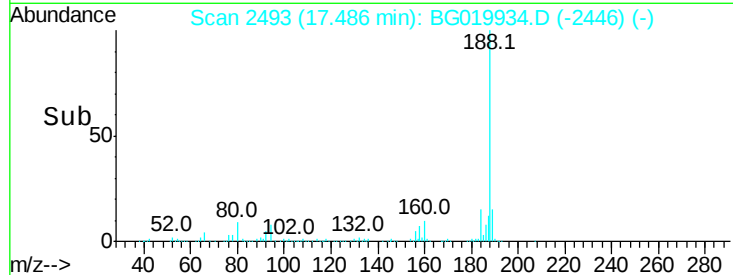
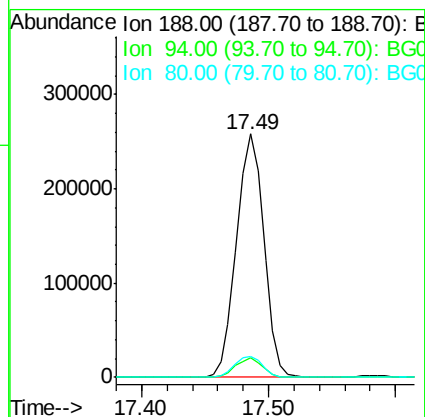
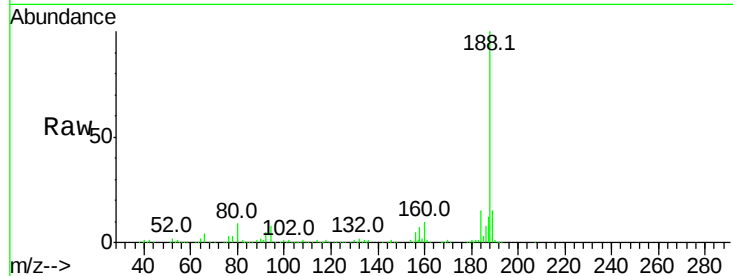




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.49 min Scan# 2493  
Delta R.T. -0.02 min  
Lab File: BG019934.D  
Acq: 5 Dec 2015 9:57

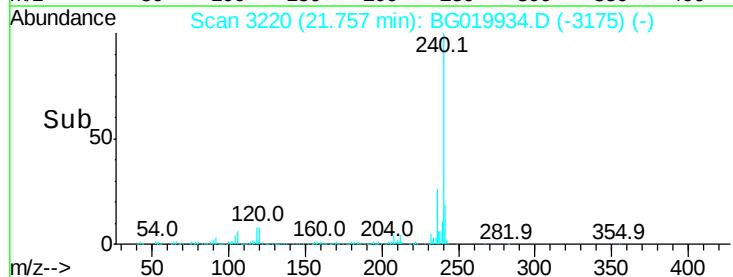
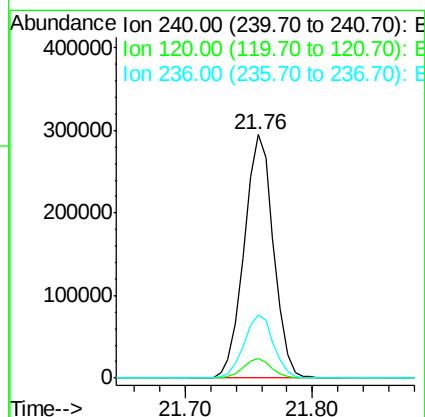
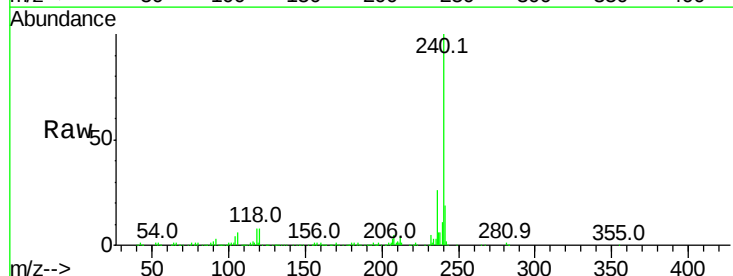
Instrument :  
BNA\_G  
ClientSampleId :  
PB87048BL

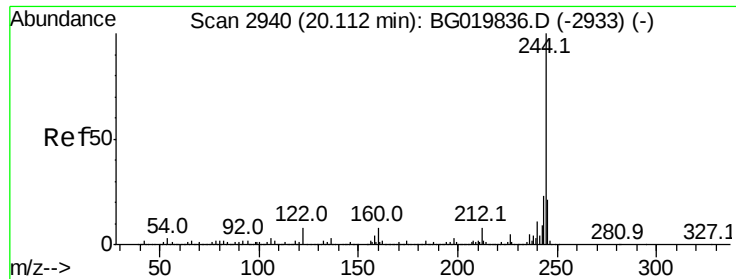
Tot Ion:188 Resp: 386108  
Ion Ratio Lower Upper  
188 100  
94 7.9 7.7 11.5  
80 8.7 7.8 11.8



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.76 min Scan# 3220  
Delta R.T. -0.04 min  
Lab File: BG019934.D  
Acq: 5 Dec 2015 9:57

Tgt Ion:240 Resp: 473883  
Ion Ratio Lower Upper  
240 100  
120 7.8 7.4 11.0  
236 26.1 20.7 31.1





#78

Terphenyl-d14

Concen: 46.53 ng

RT: 20.09 min Scan# 2936

Delta R.T. -0.02 min

Lab File: BG019934.D

Acq: 5 Dec 2015 9:57

Instrument :

BNA\_G

ClientSampleId :

PB87048BL

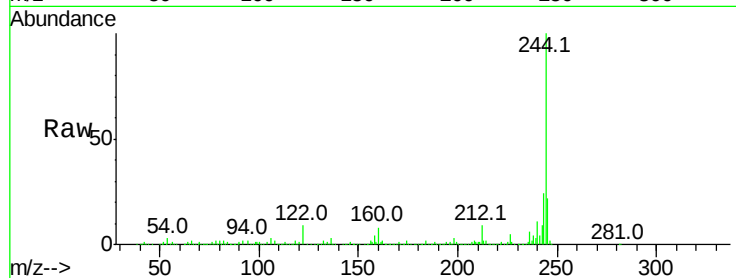
Tot Ion:244 Resp: 903894

Ion Ratio Lower Upper

244 100

212 8.6 6.9 10.3

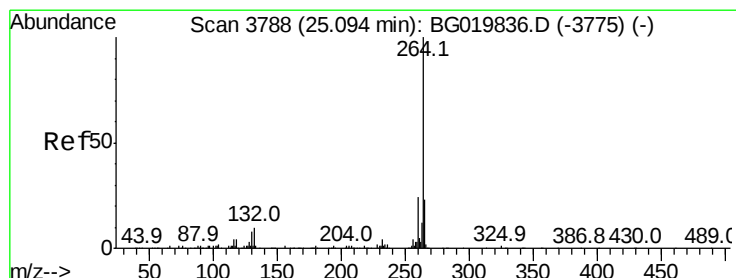
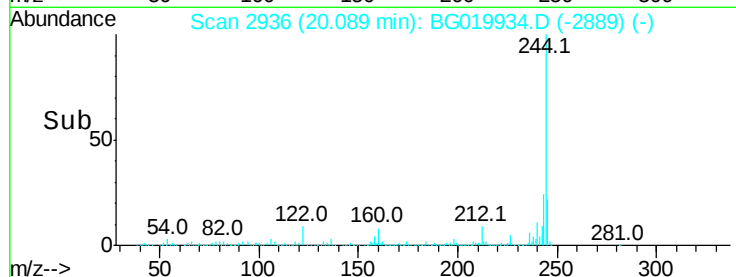
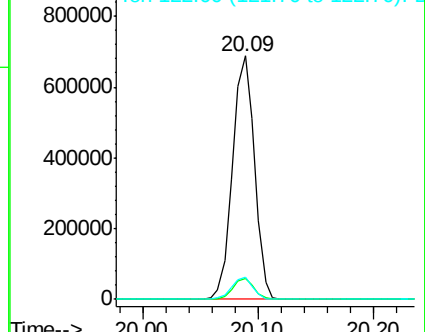
122 9.1 10.2 15.2#



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: 25.04 min Scan# 3779

Delta R.T. -0.05 min

Lab File: BG019934.D

Acq: 5 Dec 2015 9:57

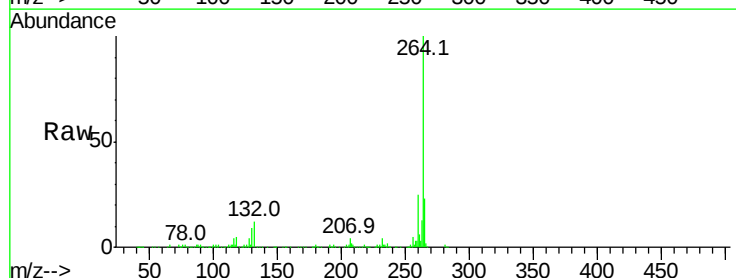
Tgt Ion:264 Resp: 439366

Ion Ratio Lower Upper

264 100

260 25.3 18.5 27.7

265 22.5 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

