

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG121817\  
 Data File : BG031657.D  
 Acq On : 19 Dec 2017 6:32  
 Operator : SJ/JU  
 Sample : I6940-03  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 VB16206-VB16211

Quant Time: Dec 19 08:12:47 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG121117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 11 17:25:55 2017  
 Response via : Initial Calibration

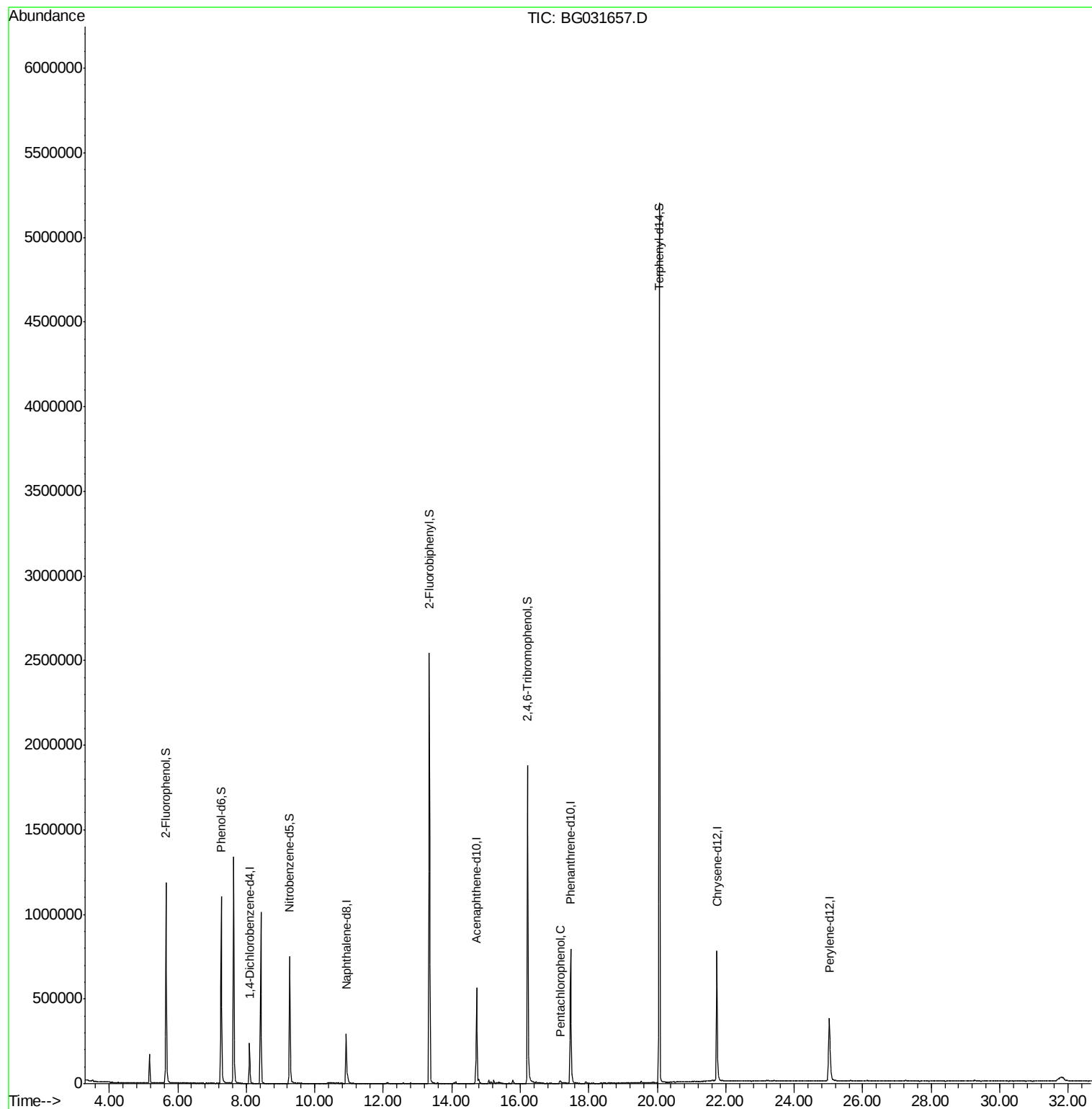
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.09  | 152  | 75775    | 20.00  | ng    | -0.01     |
| 21) Naphthalene-d8          | 10.91 | 136  | 325782   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 14.73 | 164  | 221123   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 17.47 | 188  | 570717   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 21.74 | 240  | 586887   | 20.00  | ng    | 0.00      |
| 86) Perylene-d12            | 25.03 | 264  | 503545   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.65  | 112  | 602754   | 141.00 | ng    | -0.01     |
| 7) Phenol-d6                | 7.26  | 99   | 735138   | 123.87 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 9.27  | 82   | 500321   | 94.66  | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol    | 16.21 | 330  | 431190   | 166.45 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 13.35 | 172  | 1459986  | 96.92  | ng    | 0.00      |
| 78) Terphenyl-d14           | 20.06 | 244  | 2576164  | 99.87  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 69) Pentachlorophenol       | 17.17 | 266  | 9921     | 8.460  | ng    | Qvalue 90 |

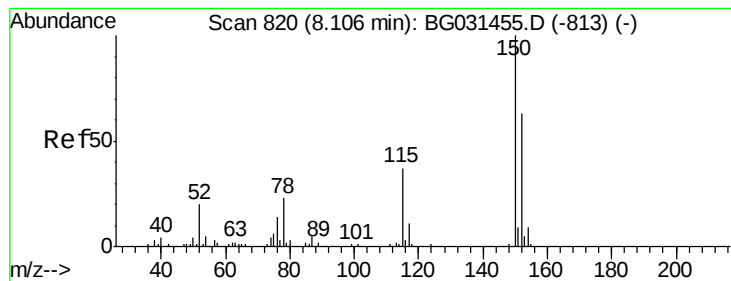
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG121817\  
Data File : BG031657.D  
Acq On : 19 Dec 2017 6:32  
Operator : SJ/JU  
Sample : I6940-03  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
VB16206-VB16211

Quant Time: Dec 19 08:12:47 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG121117.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 11 17:25:55 2017  
Response via : Initial Calibration

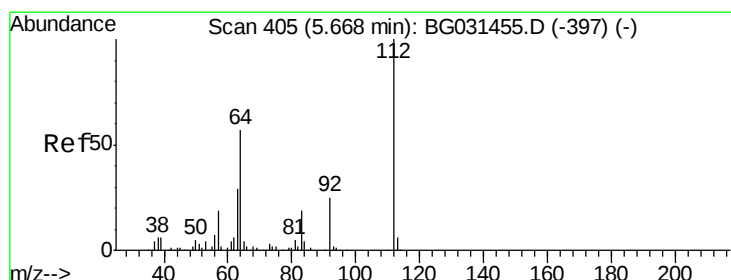
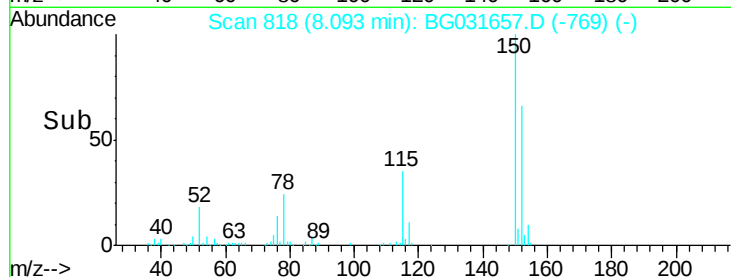
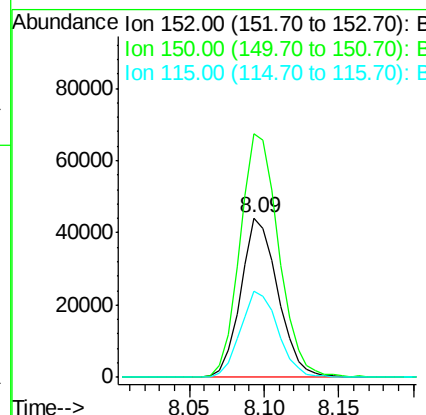
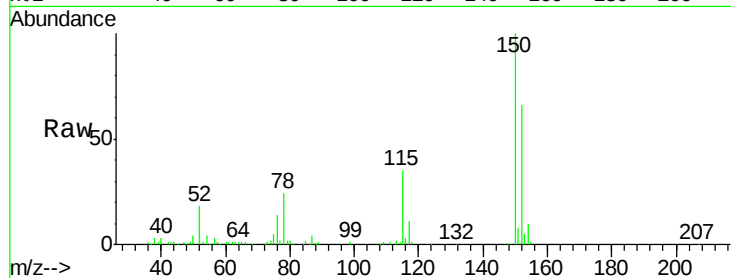




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.09 min Scan# 818  
 Delta R.T. -0.01 min  
 Lab File: BG031657.D  
 Acq: 19 Dec 2017 6:32

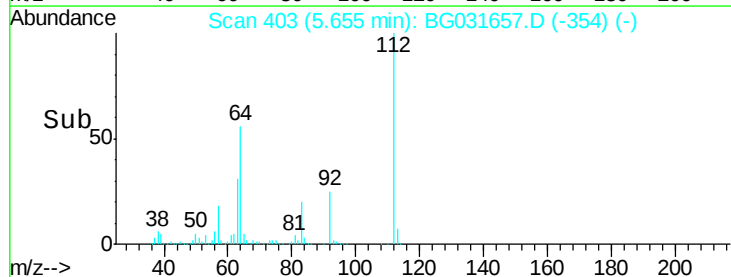
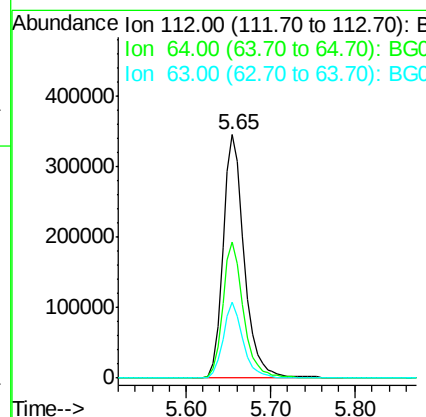
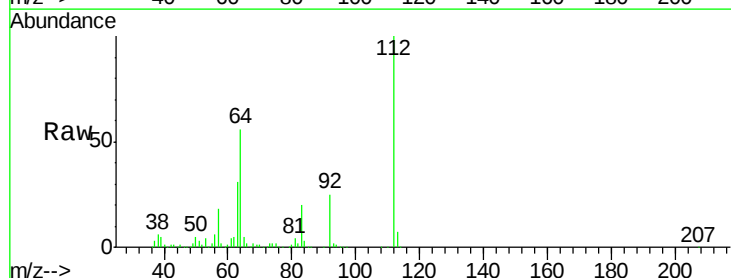
Instrument :  
 BNA\_G  
 ClientSampleId :  
 VB16206-VB16211

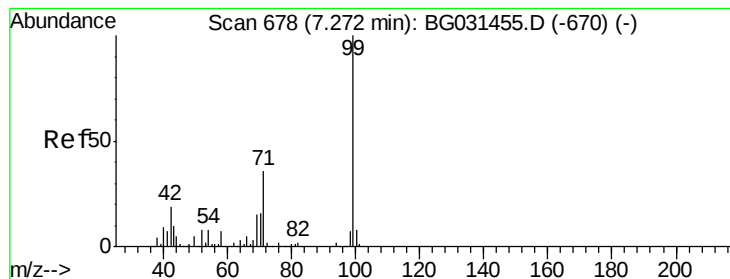
Tgt Ion:152 Resp: 75775  
 Ion Ratio Lower Upper  
 152 100  
 150 152.6 126.6 189.8  
 115 54.0 53.0 79.4



#5  
 2-Fluorophenol  
 Concen: 140.995 ng  
 RT: 5.65 min Scan# 403  
 Delta R.T. -0.01 min  
 Lab File: BG031657.D  
 Acq: 19 Dec 2017 6:32

Tgt Ion:112 Resp: 602754  
 Ion Ratio Lower Upper  
 112 100  
 64 56.2 56.3 84.5#  
 63 30.9 30.1 45.1





#7

Phenol-d6

Concen: 123.871 ng

RT: 7.26 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG031657.D

Acq: 19 Dec 2017 6:32

Instrument :

BNA\_G

ClientSampleId :

VB16206-VB16211

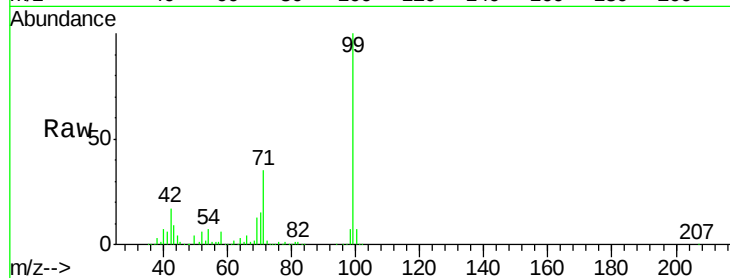
Tgt Ion: 99 Resp: 735138

Ion Ratio Lower Upper

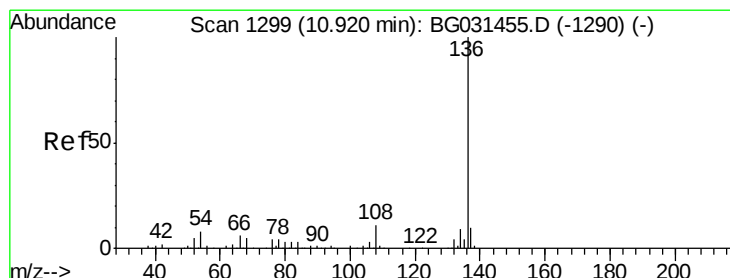
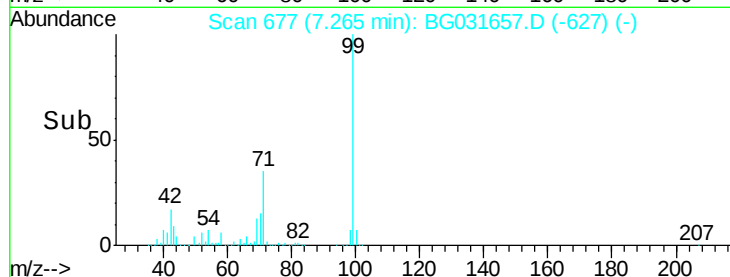
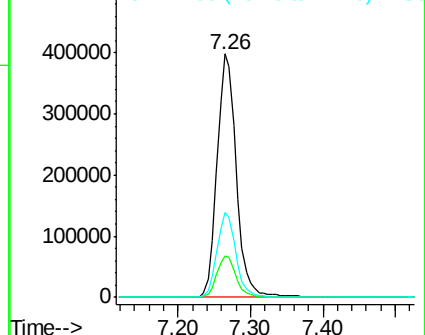
99 100

42 17.1 14.1 21.1

71 34.7 26.1 39.1



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: 10.91 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BG031657.D

Acq: 19 Dec 2017 6:32

Tgt Ion: 136 Resp: 325782

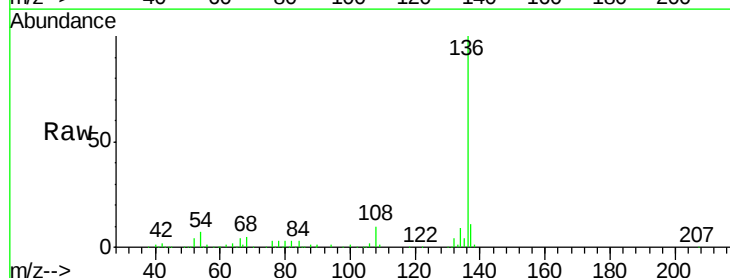
Ion Ratio Lower Upper

136 100

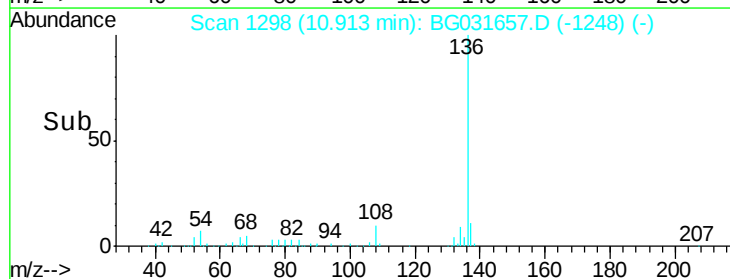
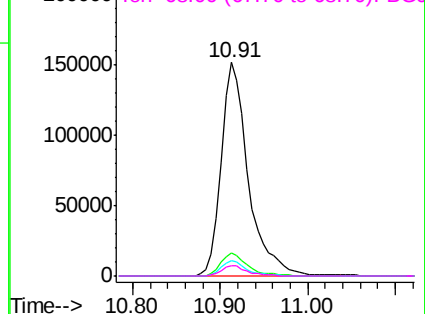
137 10.9 9.2 13.8

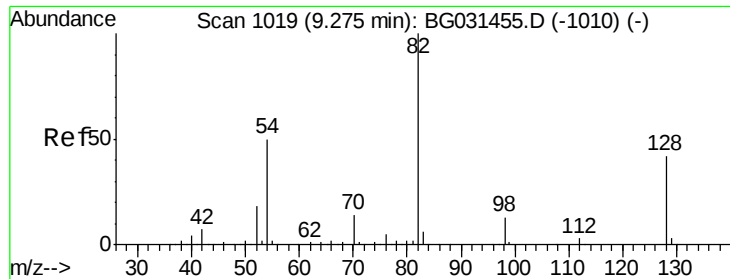
54 7.2 10.3 15.5#

68 4.5 4.5 6.7



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: 94.659 ng

RT: 9.27 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BG031657.D

Acq: 19 Dec 2017 6:32

Instrument :

BNA\_G

ClientSampleId :

VB16206-VB16211

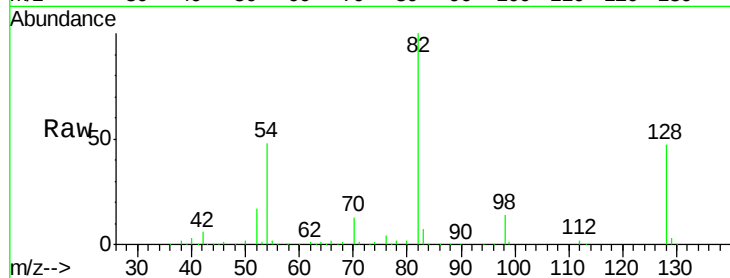
Tgt Ion: 82 Resp: 500321

Ion Ratio Lower Upper

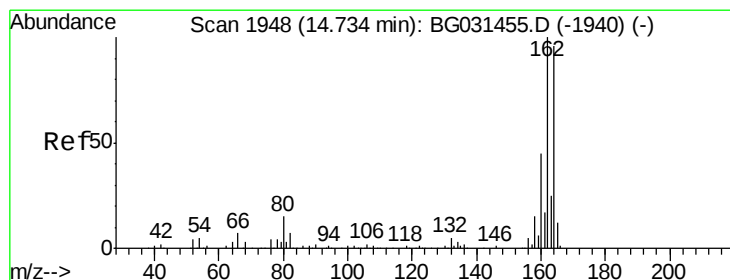
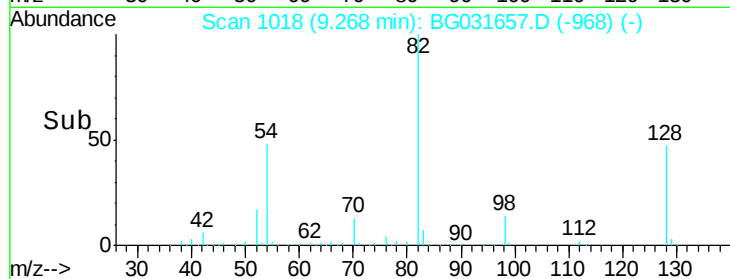
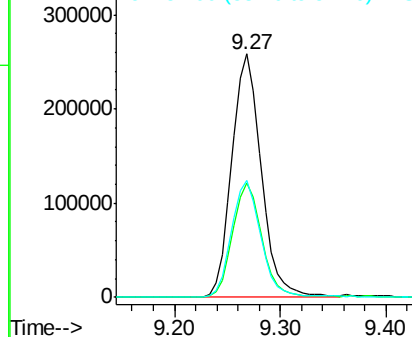
82 100

128 47.1 29.7 44.5#

54 48.3 43.1 64.7



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: 20.000 ng

RT: 14.73 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BG031657.D

Acq: 19 Dec 2017 6:32

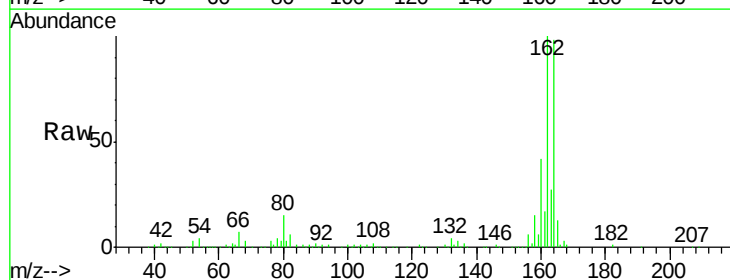
Tgt Ion: 164 Resp: 221123

Ion Ratio Lower Upper

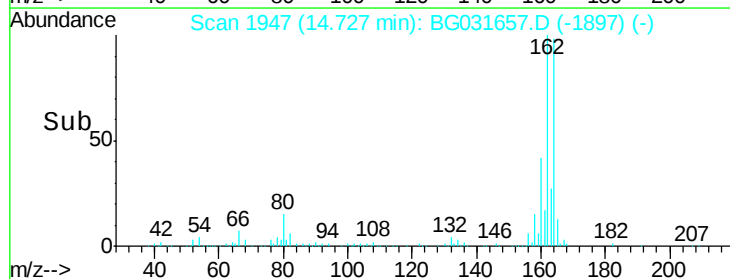
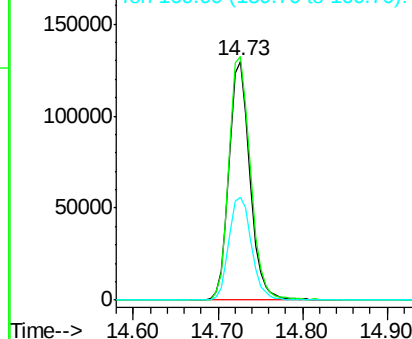
164 100

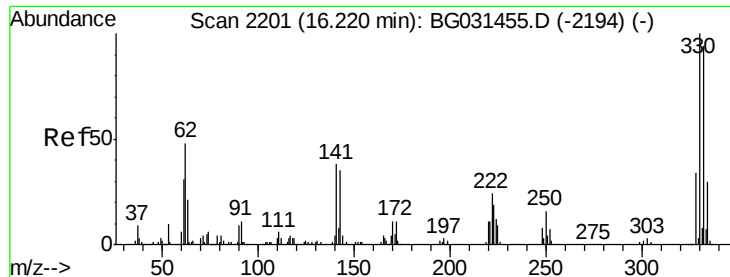
162 101.9 78.8 118.2

160 42.8 35.4 53.0



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

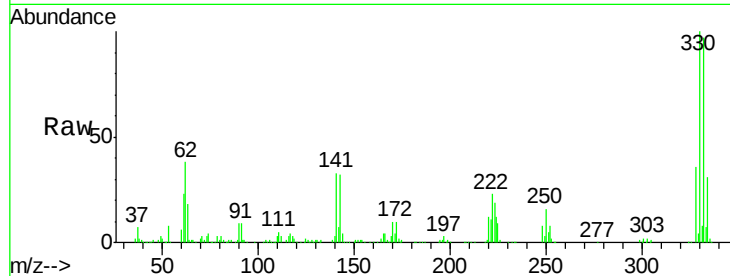




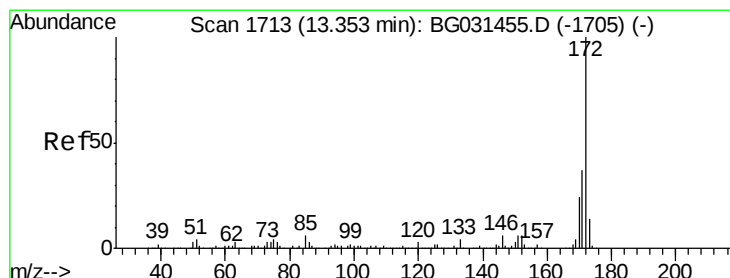
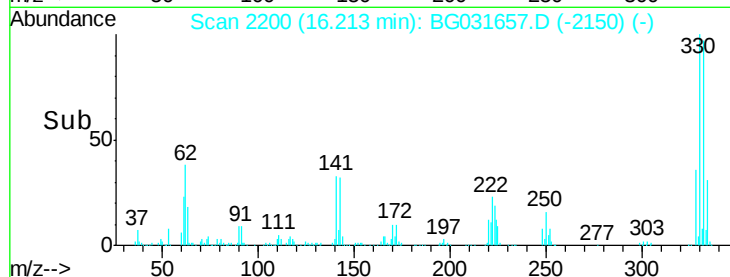
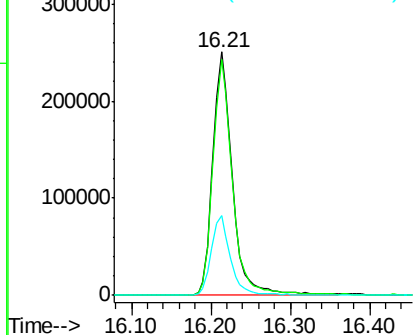
#41  
 2,4,6-Tribromophenol  
 Concen: 166.447 ng  
 RT: 16.21 min Scan# 2200  
 Delta R.T. -0.01 min  
 Lab File: BG031657.D  
 Acq: 19 Dec 2017 6:32

Instrument :  
 BNA\_G  
 ClientSampleId :  
 VB16206-VB16211

Tgt Ion:330 Resp: 431190  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 77.0 115.6  
 141 32.0 25.2 37.8

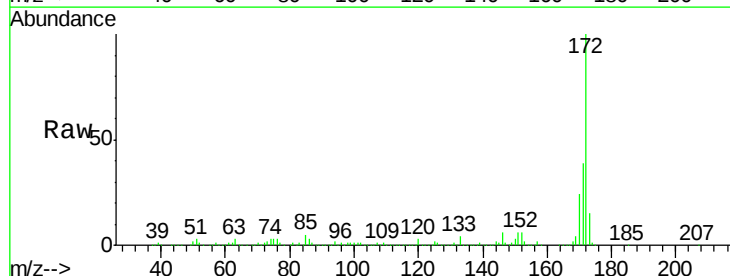


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

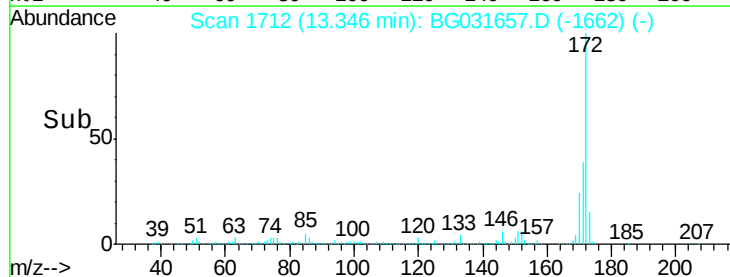
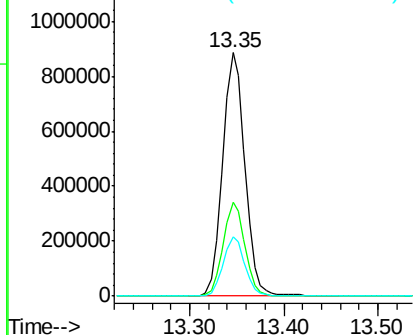


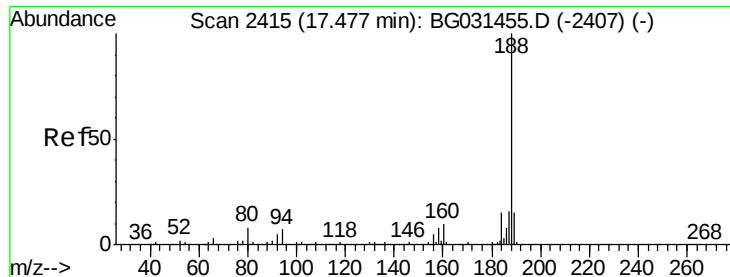
#44  
 2-Fluorobiphenyl  
 Concen: 96.918 ng  
 RT: 13.35 min Scan# 1712  
 Delta R.T. -0.01 min  
 Lab File: BG031657.D  
 Acq: 19 Dec 2017 6:32

Tgt Ion:172 Resp: 1459986  
 Ion Ratio Lower Upper  
 172 100  
 171 38.6 30.0 45.0  
 170 24.5 19.5 29.3



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: 20.000 ng

RT: 17.47 min Scan# 2414

Delta R.T. -0.01 min

Lab File: BG031657.D

Acq: 19 Dec 2017 6:32

Instrument :

BNA\_G

ClientSampleId :

VB16206-VB16211

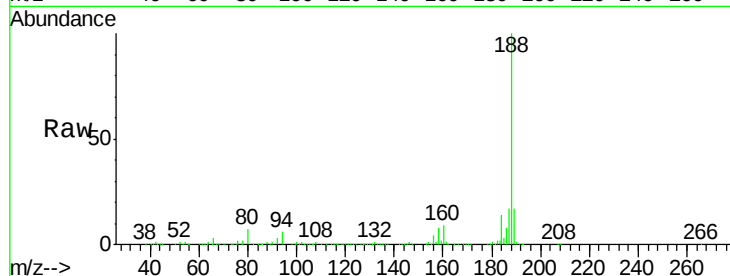
Tgt Ion:188 Resp: 570717

Ion Ratio Lower Upper

188 100

94 6.2 6.9 10.3#

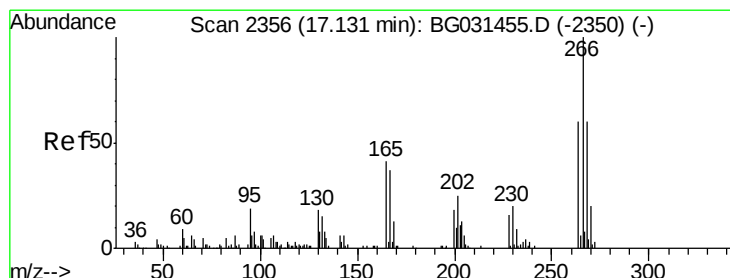
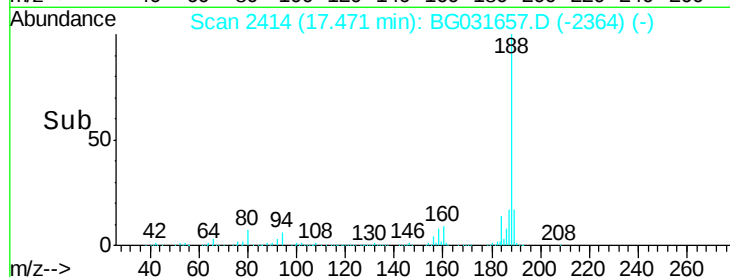
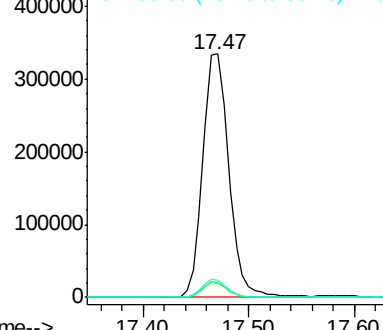
80 6.8 7.7 11.5#



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



#69

Pentachlorophenol

Concen: 8.460 ng

RT: 17.17 min Scan# 2363

Delta R.T. 0.04 min

Lab File: BG031657.D

Acq: 19 Dec 2017 6:32

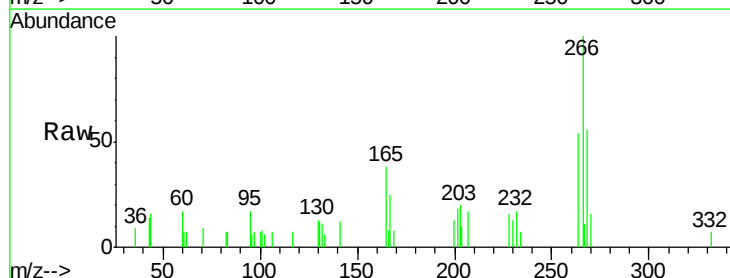
Tgt Ion:266 Resp: 9921

Ion Ratio Lower Upper

266 100

268 55.7 51.1 76.7

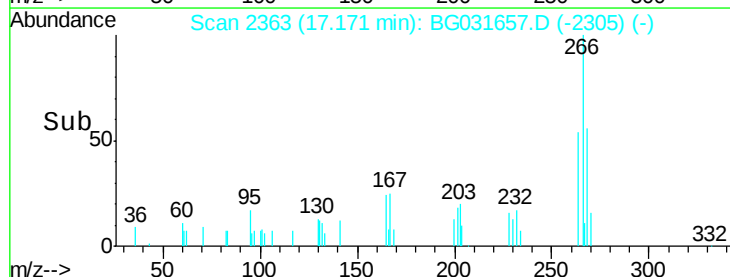
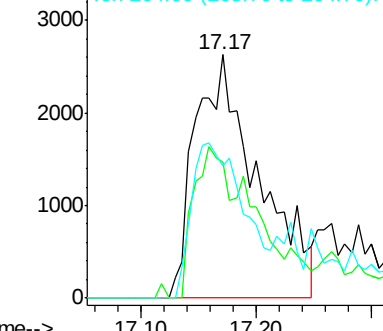
264 54.1 49.6 74.4

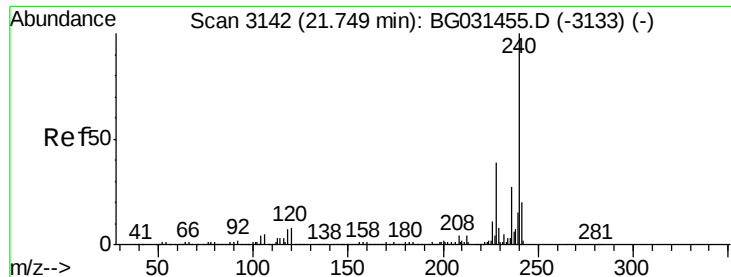


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.74 min Scan# 3141

Delta R.T. -0.01 min

Lab File: BG031657.D

Acq: 19 Dec 2017 6:32

Instrument :

BNA\_G

ClientSampleId :

VB16206-VB16211

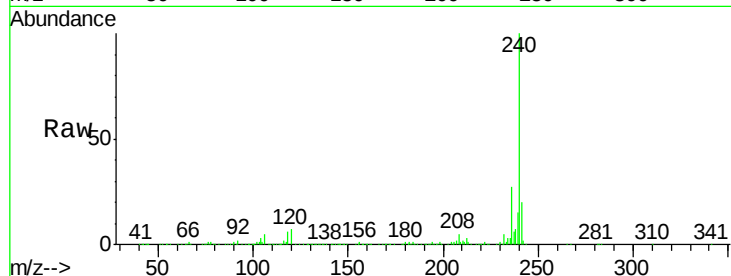
Tgt Ion:240 Resp: 586887

Ion Ratio Lower Upper

240 100

120 6.8 6.8 10.2

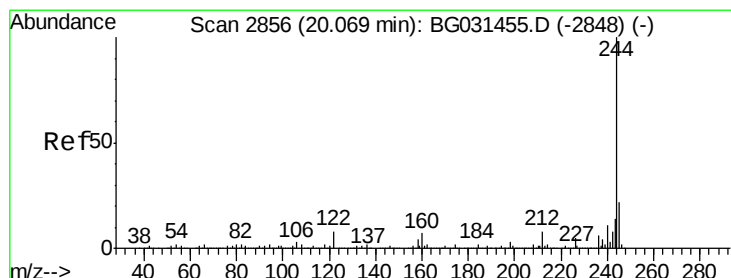
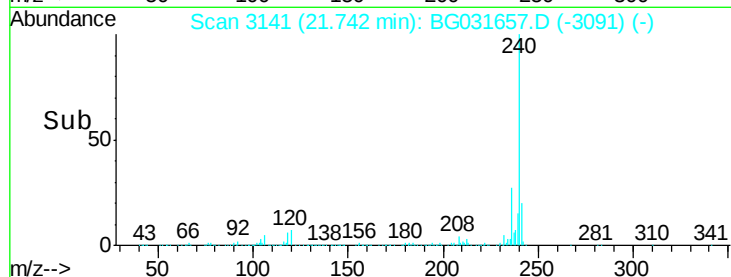
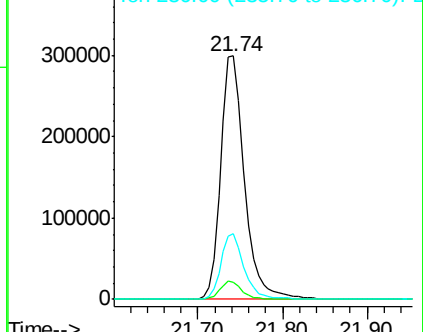
236 26.8 20.9 31.3



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



#78

Terphenyl-d14

Concen: 99.869 ng

RT: 20.06 min Scan# 2855

Delta R.T. -0.01 min

Lab File: BG031657.D

Acq: 19 Dec 2017 6:32

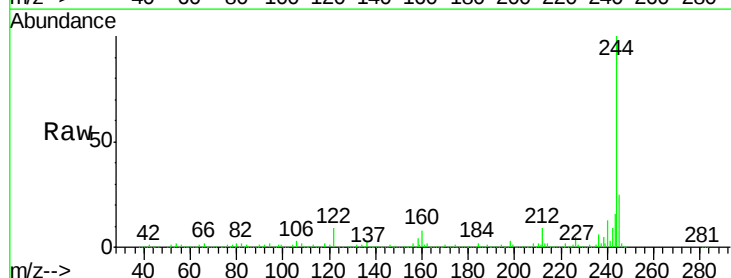
Tgt Ion:244 Resp: 2576164

Ion Ratio Lower Upper

244 100

212 9.3 5.8 8.8#

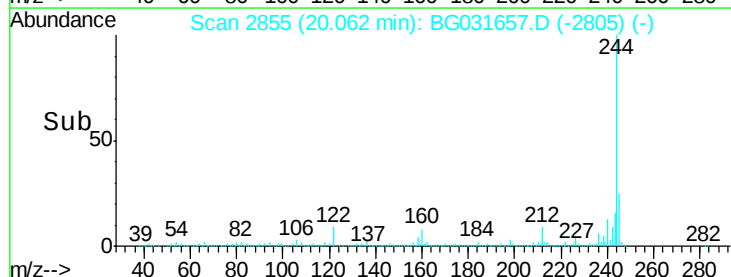
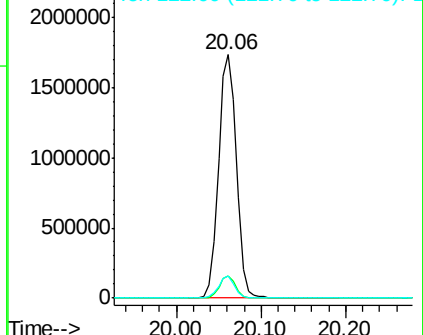
122 9.0 7.0 10.4

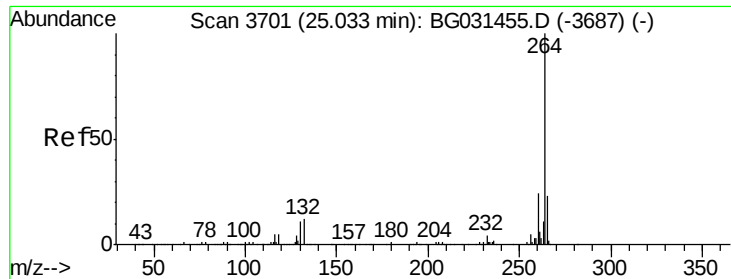


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.03 min Scan# 3700  
Delta R.T. -0.01 min  
Lab File: BG031657.D  
Acq: 19 Dec 2017 6:32

Instrument :  
BNA\_G  
ClientSampleId :  
VB16206-VB16211

Tgt Ion: 264 Resp: 503545  
Ion Ratio Lower Upper  
264 100  
260 23.9 17.4 26.0  
265 20.6 17.7 26.5

