

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG120817\  
 Data File : BG031435.D  
 Acq On : 9 Dec 2017 1:36  
 Operator : SJ/JU  
 Sample : I6725-07  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Dec 09 03:01:47 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 06 17:58:37 2017  
 Response via : Initial Calibration

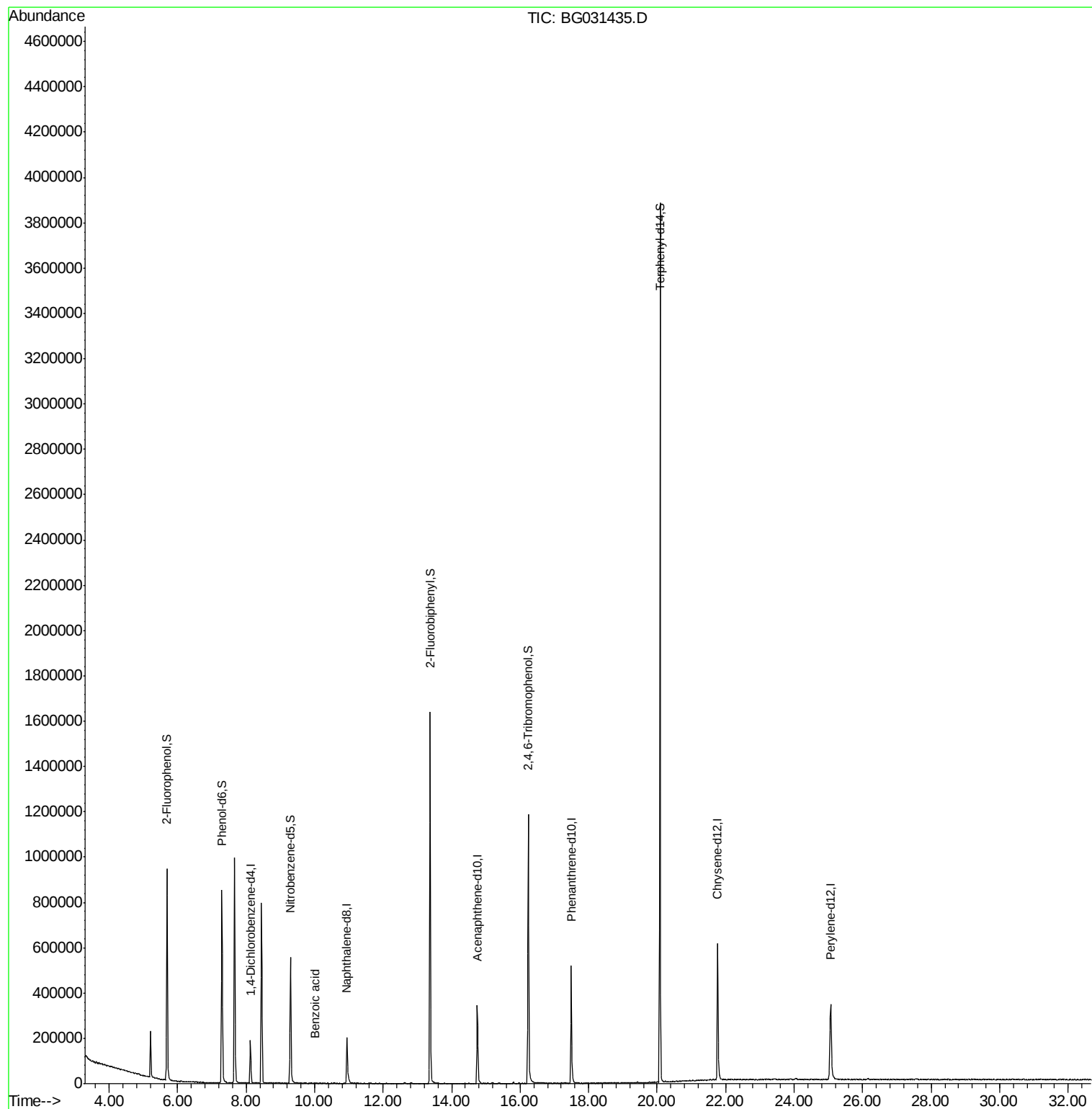
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.13  | 152  | 55617    | 20.00  | ng    | 0.00          |
| 21) Naphthalene-d8          | 10.95 | 136  | 225285   | 20.00  | ng    | 0.00          |
| 38) Acenaphthene-d10        | 14.75 | 164  | 140045   | 20.00  | ng    | 0.00          |
| 63) Phenanthrene-d10        | 17.49 | 188  | 372343   | 20.00  | ng    | 0.00          |
| 75) Chrysene-d12            | 21.76 | 240  | 441248   | 20.00  | ng    | 0.00          |
| 86) Perylene-d12            | 25.07 | 264  | 415975   | 20.00  | ng    | 0.00          |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 5.69  | 112  | 427602   | 131.84 | ng    | 0.00          |
| 7) Phenol-d6                | 7.29  | 99   | 522011   | 119.46 | ng    | 0.00          |
| 23) Nitrobenzene-d5         | 9.30  | 82   | 372917   | 98.09  | ng    | 0.00          |
| 41) 2,4,6-Tribromophenol    | 16.23 | 330  | 246244   | 108.69 | ng    | 0.00          |
| 44) 2-Fluorobiphenyl        | 13.37 | 172  | 963564   | 98.86  | ng    | 0.00          |
| 78) Terphenyl-d14           | 20.08 | 244  | 1848278  | 92.49  | ng    | 0.00          |
| Target Compounds            |       |      |          |        |       |               |
| 32) Benzoic acid            | 10.01 | 122  | 54       | 5.680  | ng    | Qvalue<br># 1 |

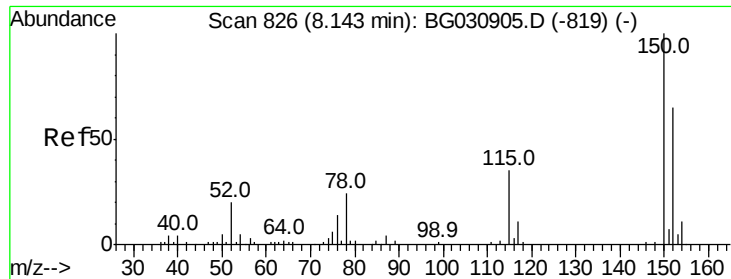
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
ClientSampleId :

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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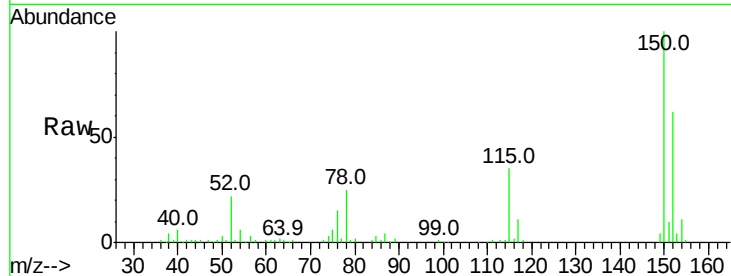


#1

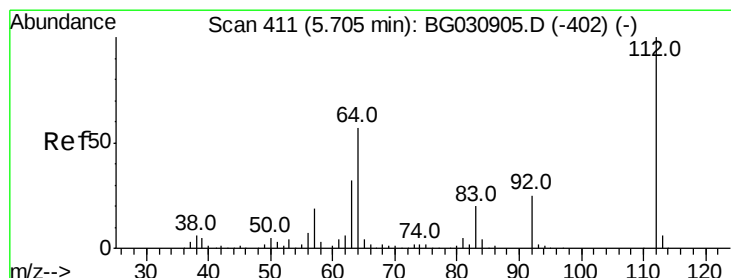
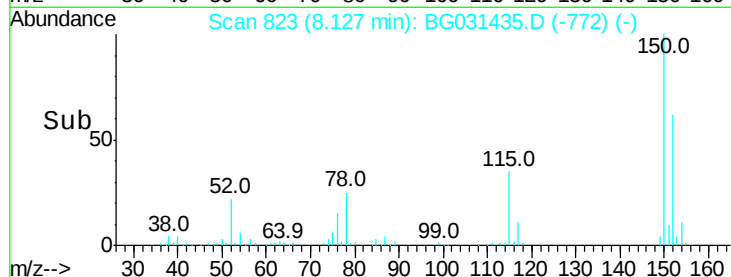
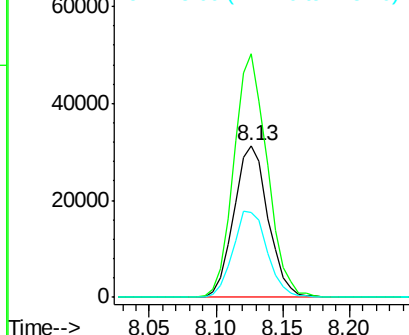
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.13 min Scan# 823  
Delta R.T. -0.00 min  
Lab File: BG031435.D  
Acq: 9 Dec 2017 1:36

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 55617  
Ion Ratio Lower Upper  
152 100  
150 160.5 126.6 189.8  
115 55.6 53.0 79.4



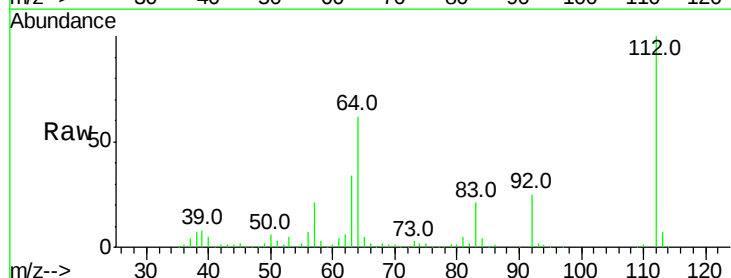
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



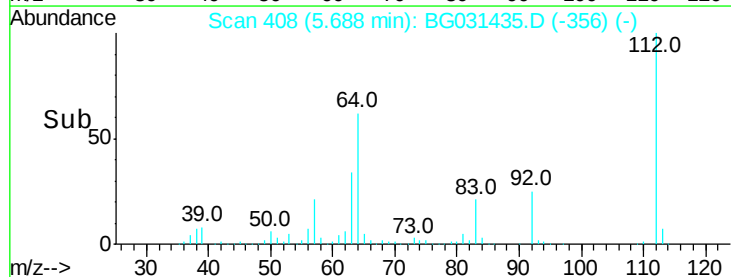
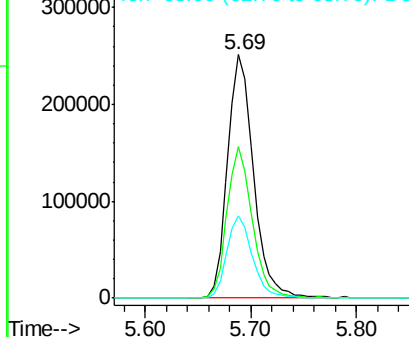
#5

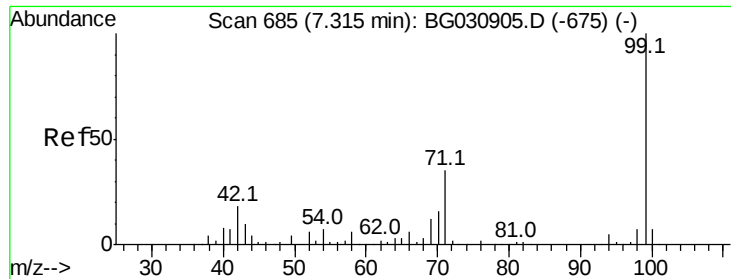
2-Fluorophenol  
Concen: 131.836 ng  
RT: 5.69 min Scan# 408  
Delta R.T. 0.00 min  
Lab File: BG031435.D  
Acq: 9 Dec 2017 1:36

Tgt Ion:112 Resp: 427602  
Ion Ratio Lower Upper  
112 100  
64 62.2 56.3 84.5  
63 33.8 30.1 45.1



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: 119.464 ng

RT: 7.29 min Scan# 681

Delta R.T. -0.00 min

Lab File: BG031435.D

Acq: 9 Dec 2017 1:36

Instrument :

BNA\_G

ClientSampleId :

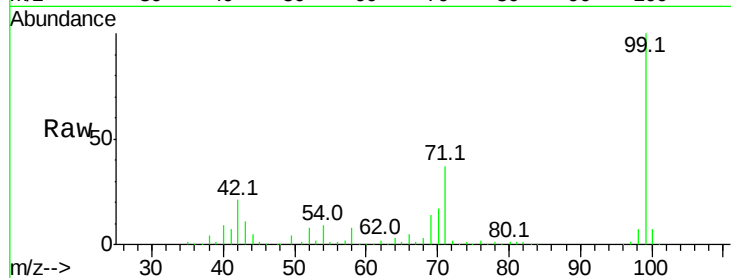
Tot Ion: 99 Resp: 522011

Ion Ratio Lower Upper

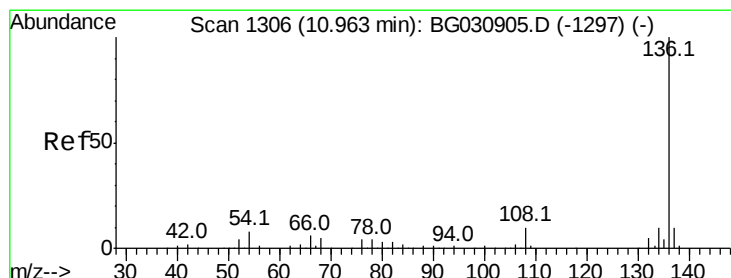
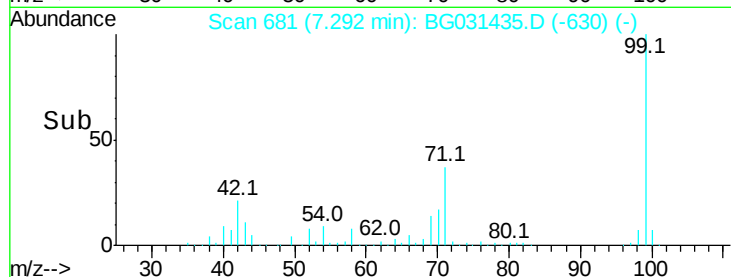
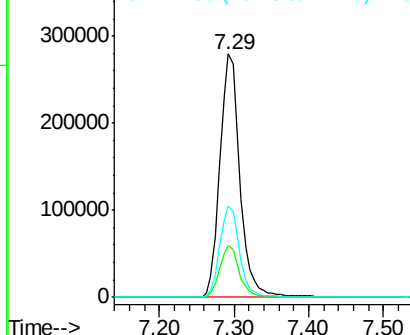
99 100

42 21.4 14.1 21.1#

71 37.4 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: 10.95 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BG031435.D

Acq: 9 Dec 2017 1:36

Tgt Ion: 136 Resp: 225285

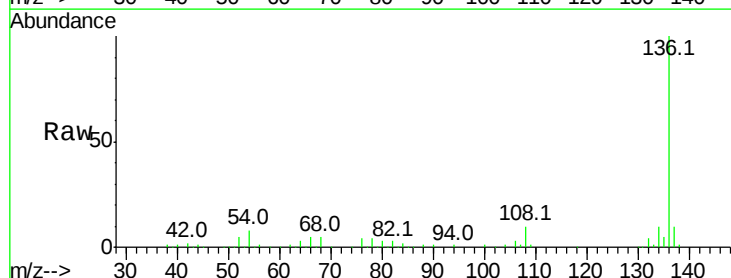
Ion Ratio Lower Upper

136 100

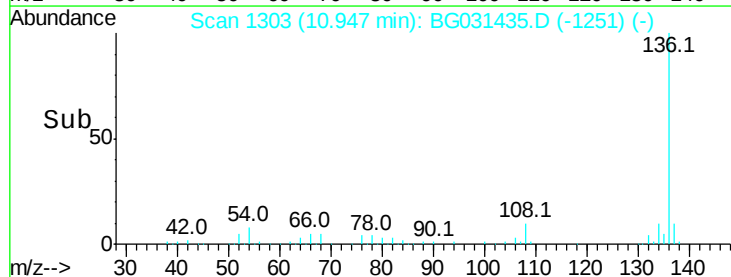
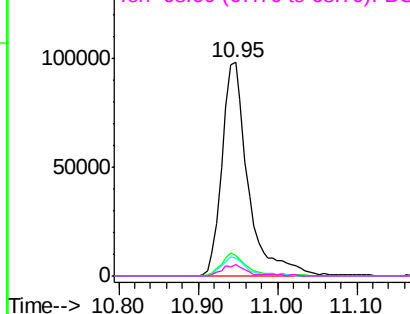
137 9.7 9.2 13.8

54 8.1 10.3 15.5#

68 5.3 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

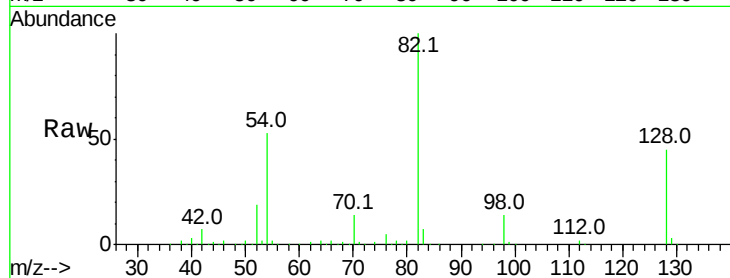




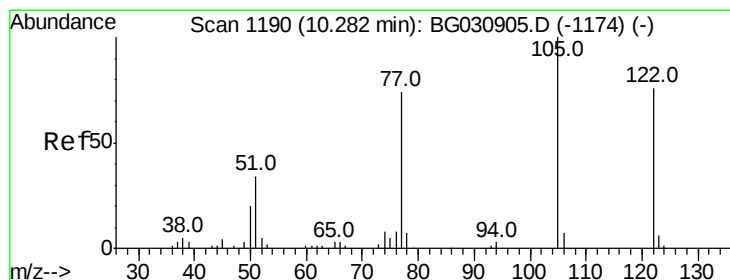
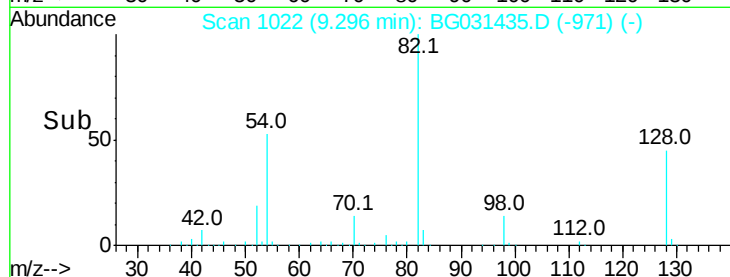
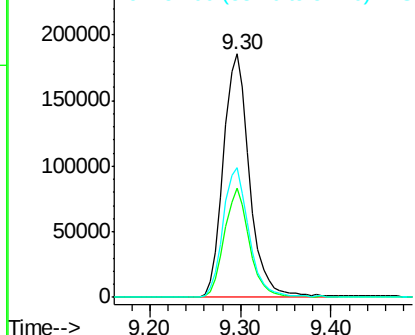
#23  
 Nitrobenzene-d5  
 Concen: 98.088 ng  
 RT: 9.30 min Scan# 1022  
 Delta R.T. -0.00 min  
 Lab File: BG031435.D  
 Acq: 9 Dec 2017 1:36

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion: 82 Resp: 372917  
 Ion Ratio Lower Upper  
 82 100  
 128 45.1 29.7 44.5#  
 54 53.2 43.1 64.7

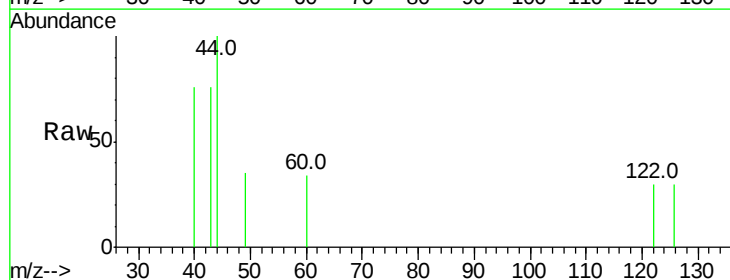


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

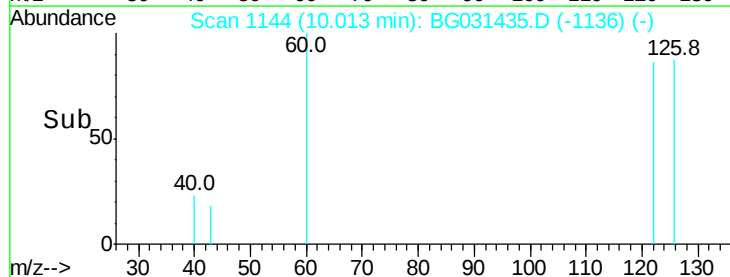
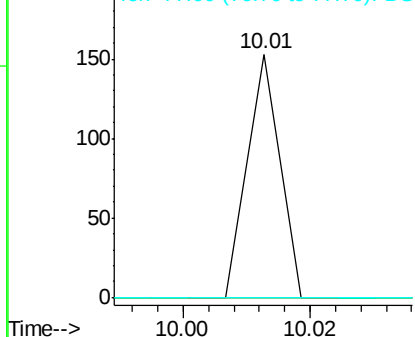


#32  
 Benzoic acid  
 Concen: 5.680 ng  
 RT: 10.01 min Scan# 1144  
 Delta R.T. -0.25 min  
 Lab File: BG031435.D  
 Acq: 9 Dec 2017 1:36

Tgt Ion: 122 Resp: 54  
 Ion Ratio Lower Upper  
 122 100  
 105 0.0 123.5 163.5#  
 77 0.0 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): BGC  
 Ion 105.00 (104.70 to 105.70): BGC  
 Ion 77.00 (76.70 to 77.70): BGC

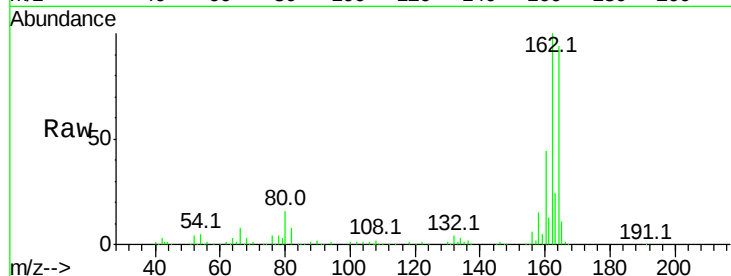




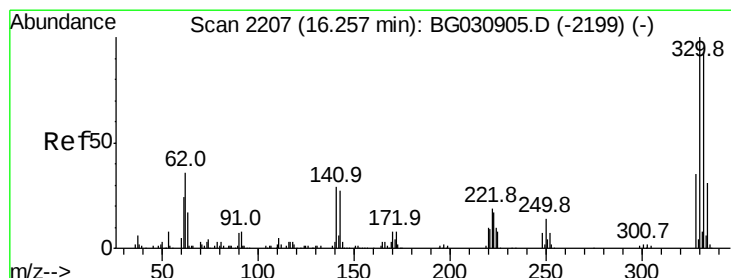
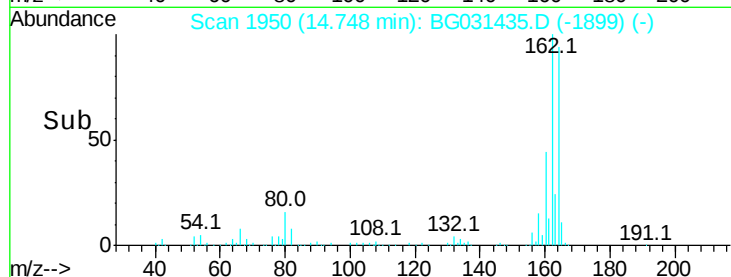
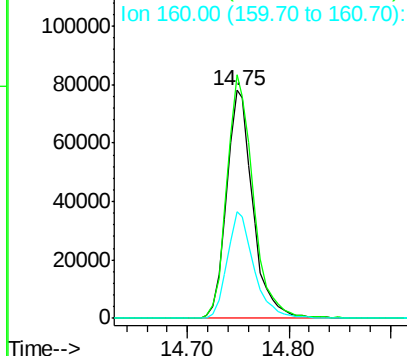
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.75 min Scan# 1950  
Delta R.T. -0.00 min  
Lab File: BG031435.D  
Acq: 9 Dec 2017 1:36

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:164 Resp: 140045  
Ion Ratio Lower Upper  
164 100  
162 106.8 78.8 118.2  
160 46.8 35.4 53.0

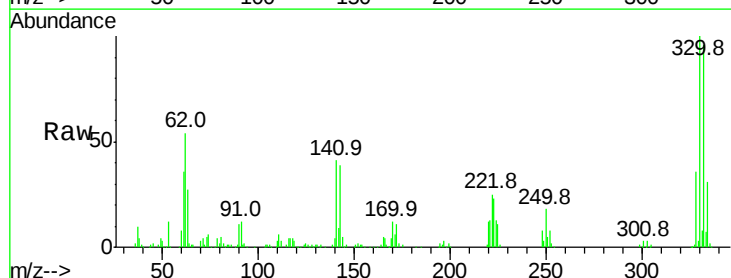


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

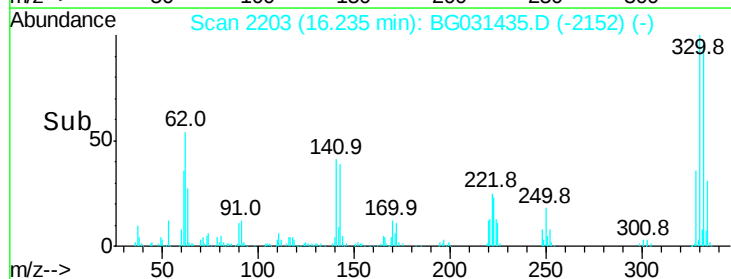
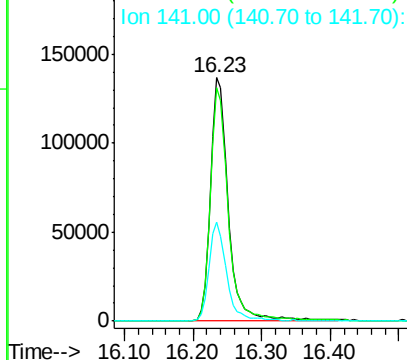


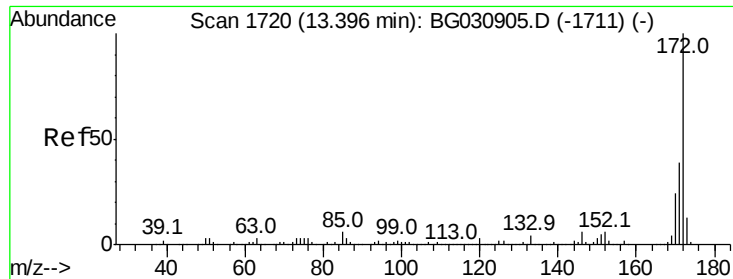
#41  
2,4,6-Tribromophenol  
Concen: 108.694 ng  
RT: 16.23 min Scan# 2203  
Delta R.T. -0.00 min  
Lab File: BG031435.D  
Acq: 9 Dec 2017 1:36

Tgt Ion:330 Resp: 246244  
Ion Ratio Lower Upper  
330 100  
332 94.4 77.0 115.6  
141 40.0 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

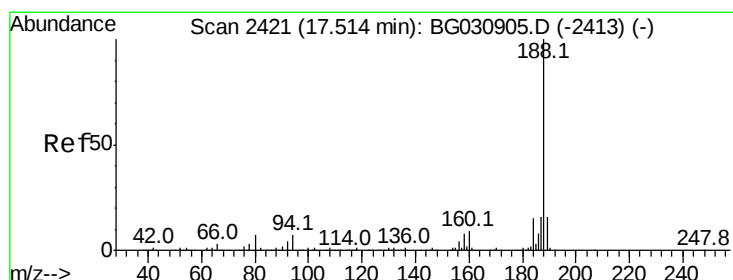
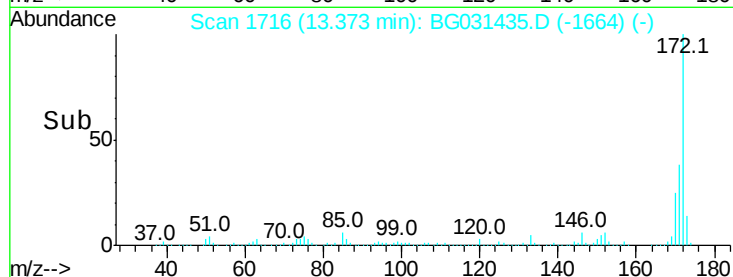
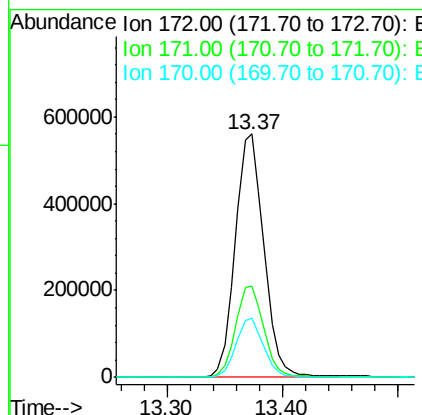
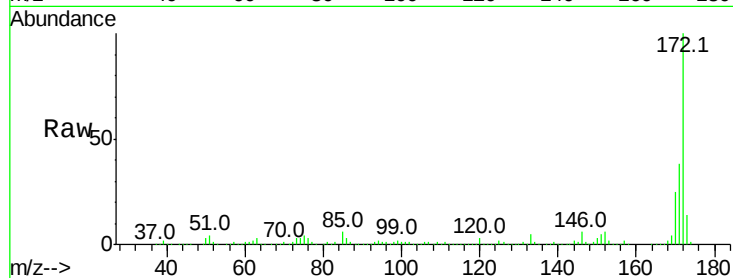




#44  
 2-Fluorobiphenyl  
 Concen: 98.864 ng  
 RT: 13.37 min Scan# 1716  
 Delta R.T. 0.00 min  
 Lab File: BG031435.D  
 Acq: 9 Dec 2017 1:36

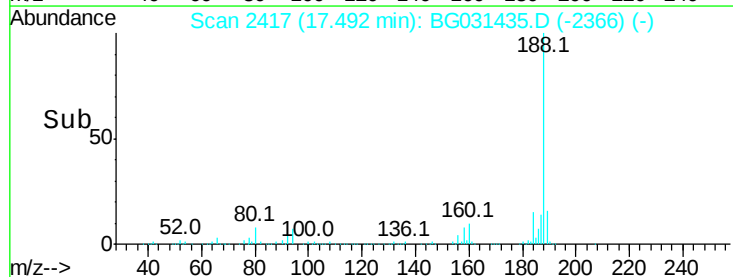
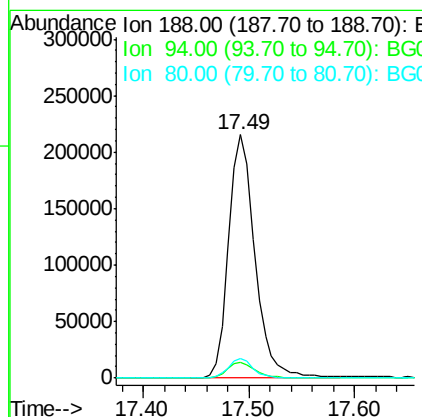
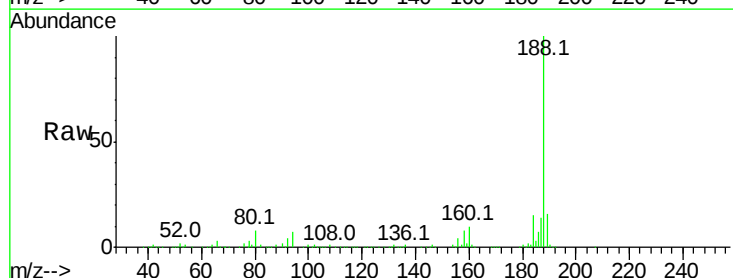
Instrument :  
 BNA\_G  
 ClientSampleId :

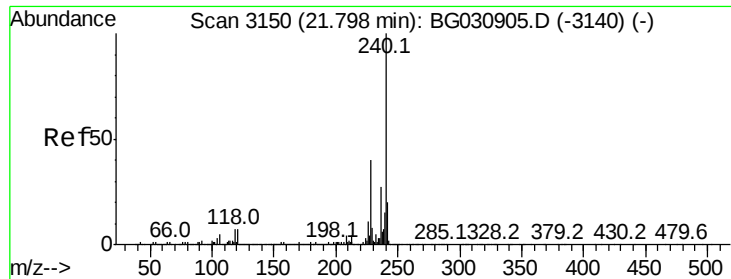
Tot Ion:172 Resp: 963564  
 Ion Ratio Lower Upper  
 172 100  
 171 37.5 30.0 45.0  
 170 24.5 19.5 29.3



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.49 min Scan# 2417  
 Delta R.T. -0.00 min  
 Lab File: BG031435.D  
 Acq: 9 Dec 2017 1:36

Tgt Ion:188 Resp: 372343  
 Ion Ratio Lower Upper  
 188 100  
 94 6.7 6.9 10.3#  
 80 8.0 7.7 11.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3144

Delta R.T. -0.01 min

Lab File: BG031435.D

Acq: 9 Dec 2017 1:36

Instrument :

BNA\_G

ClientSampleId :

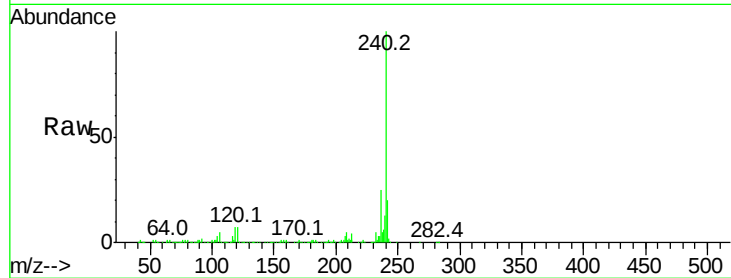
Tot Ion:240 Resp: 441248

Ion Ratio Lower Upper

240 100

120 7.3 6.8 10.2

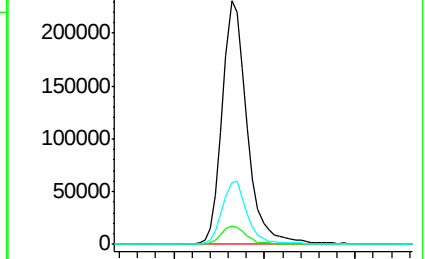
236 25.2 20.9 31.3



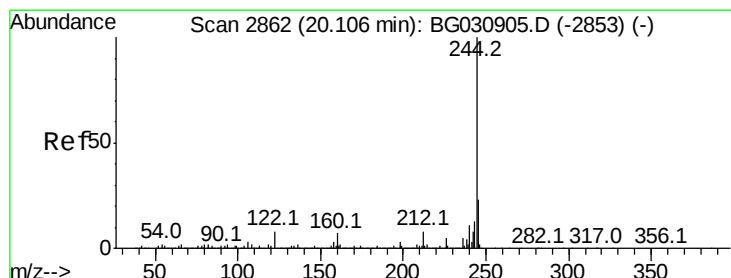
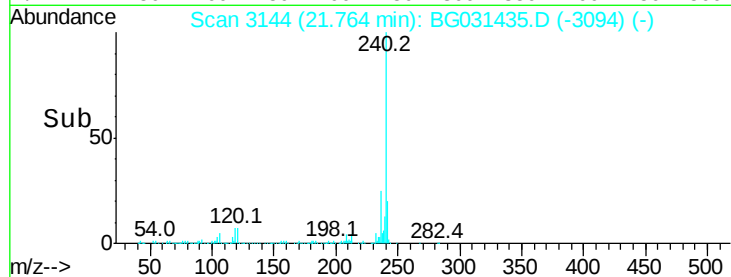
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Terphenyl-d14

Concen: 92.491 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.00 min

Lab File: BG031435.D

Acq: 9 Dec 2017 1:36

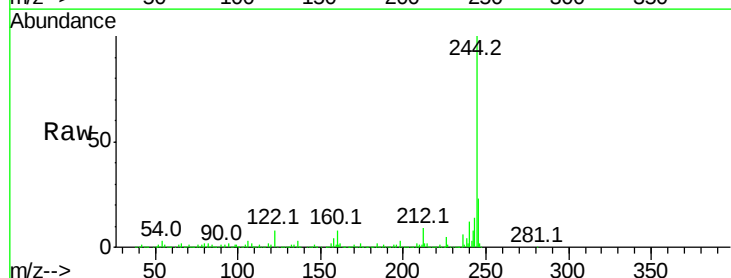
Tgt Ion:244 Resp: 1848278

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

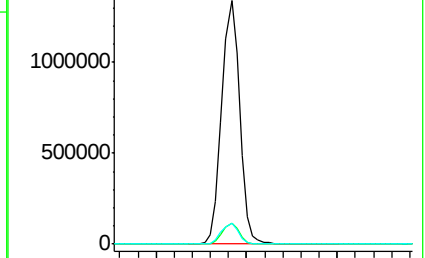
122 8.4 7.0 10.4



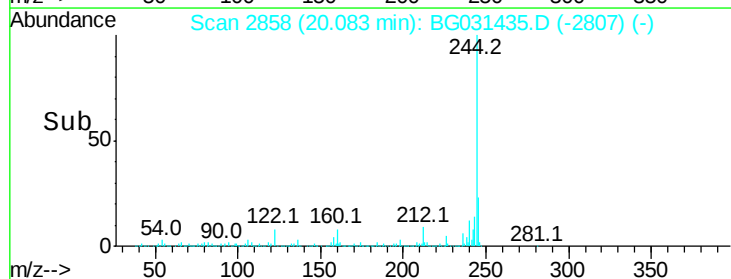
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->

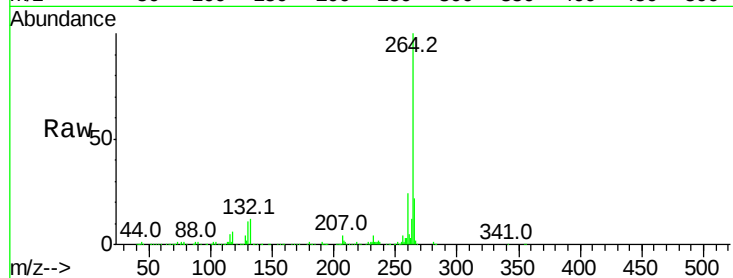




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 25.07 min Scan# 3706  
Delta R.T. -0.00 min  
Lab File: BG031435.D  
Acq: 9 Dec 2017 1:36

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 17.4  | 26.0  |
| 265     | 21.9  | 17.7  | 26.5  |



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

