

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG120817\  
 Data File : BG031429.D  
 Acq On : 8 Dec 2017 18:35  
 Operator : SJ/JU  
 Sample : I6746-03  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Dec 08 23:57:08 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

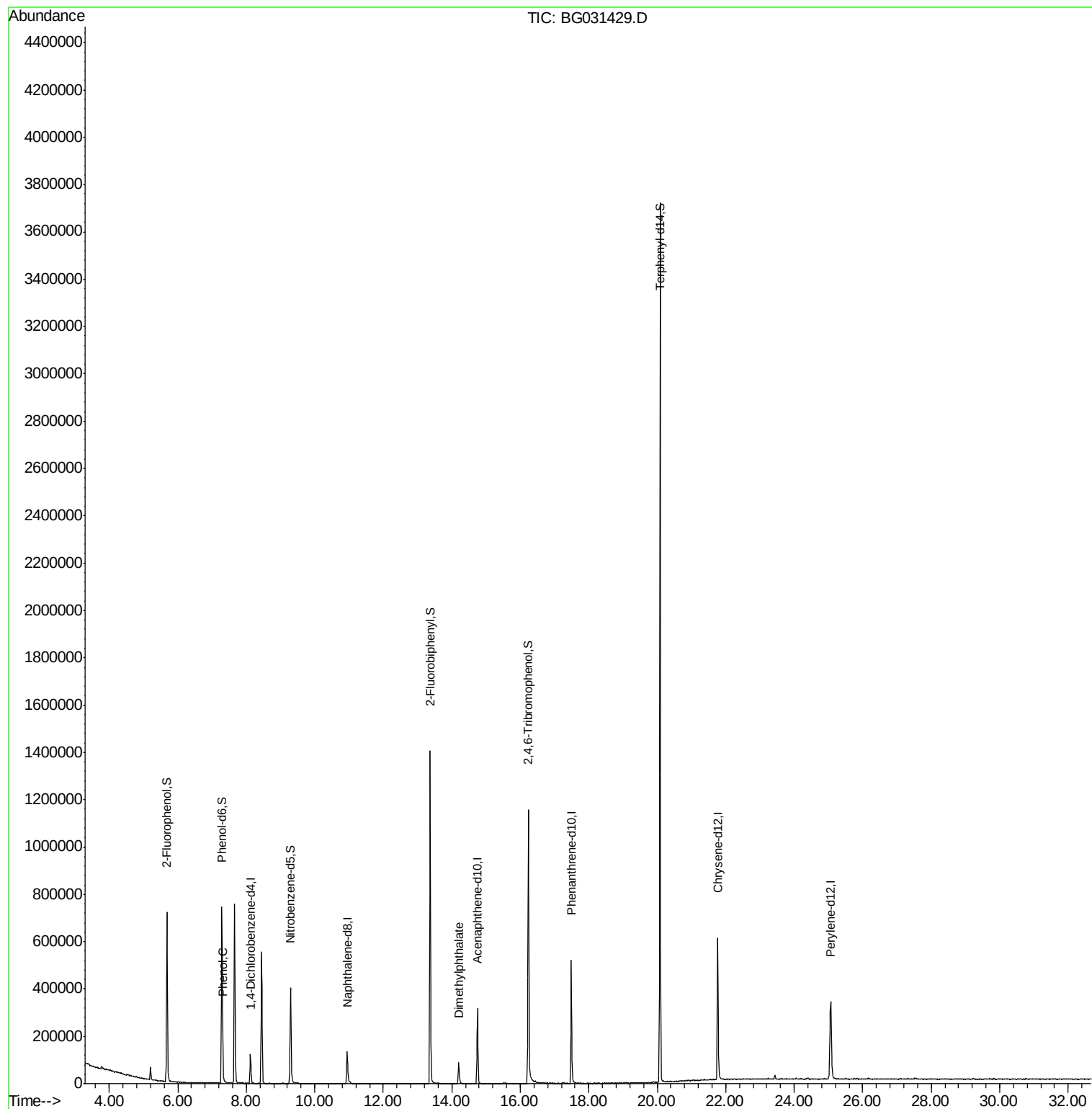
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.12  | 152  | 36647    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.94 | 136  | 163654   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.75 | 164  | 121975   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.49 | 188  | 373808   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.77 | 240  | 428470   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.06 | 264  | 409754   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.69  | 112  | 352282   | 164.84 | ng    | 0.00     |
| 7) Phenol-d6                | 7.29  | 99   | 476107   | 165.36 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.29  | 82   | 286751   | 103.83 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.24 | 330  | 255755   | 129.62 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.37 | 172  | 823479   | 97.01  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.08 | 244  | 1828666  | 94.24  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.32  | 94   | 16394    | 5.483  | ng    | 88       |
| 49) Dimethylphthalate       | 14.20 | 163  | 95210    | 9.028  | ng    | 98       |

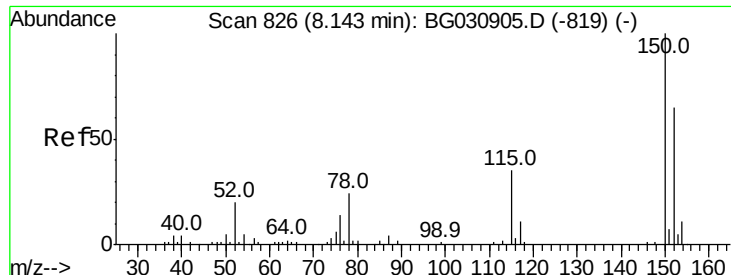
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG120817\  
Data File : BG031429.D  
Acq On : 8 Dec 2017 18:35  
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Sample : I6746-03  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Dec 08 23:57:08 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



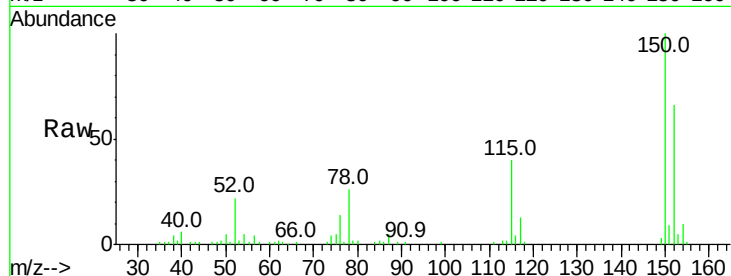


#1

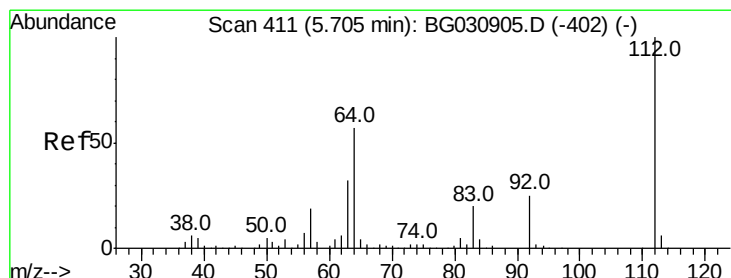
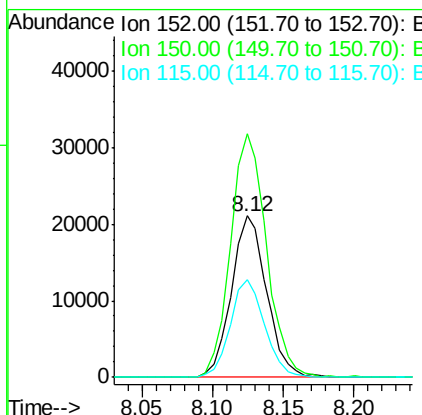
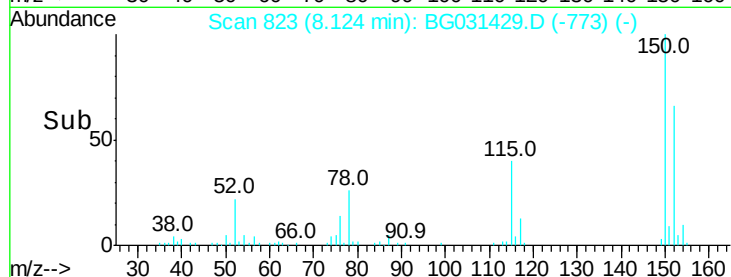
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.12 min Scan# 823  
Delta R.T. -0.00 min  
Lab File: BG031429.D  
Acq: 8 Dec 2017 18:35

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:152 Resp: 36647  
Ion Ratio Lower Upper  
152 100  
150 151.1 126.6 189.8  
115 60.6 53.0 79.4



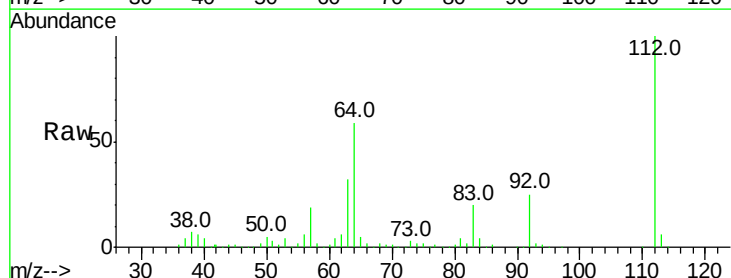
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



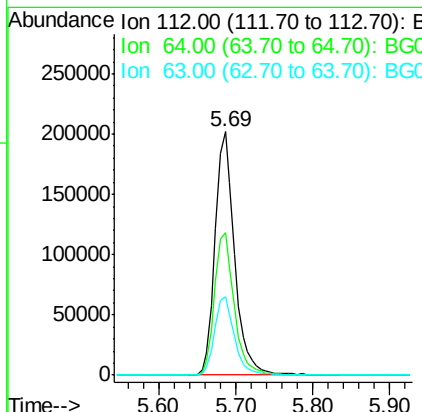
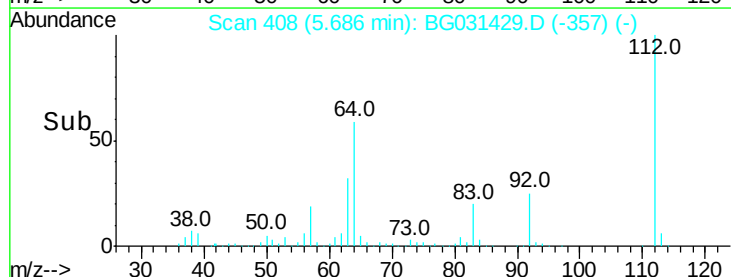
#5

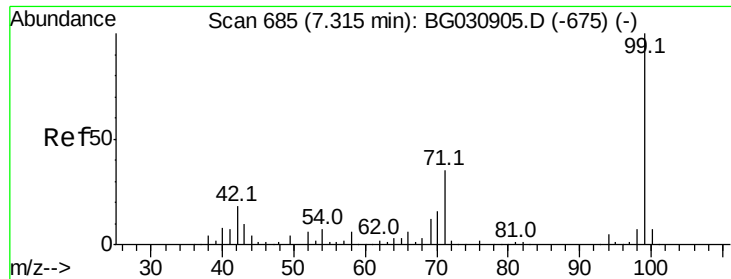
2-Fluorophenol  
Concen: 164.837 ng  
RT: 5.69 min Scan# 408  
Delta R.T. 0.00 min  
Lab File: BG031429.D  
Acq: 8 Dec 2017 18:35

Tgt Ion:112 Resp: 352282  
Ion Ratio Lower Upper  
112 100  
64 58.8 56.3 84.5  
63 32.3 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: 165.360 ng

RT: 7.29 min Scan# 681

Delta R.T. -0.00 min

Lab File: BG031429.D

Acq: 8 Dec 2017 18:35

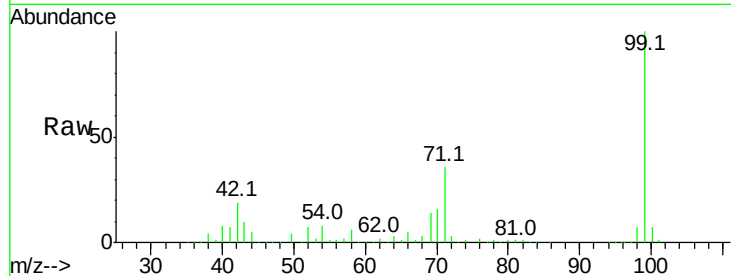
Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 99 Resp: 476107

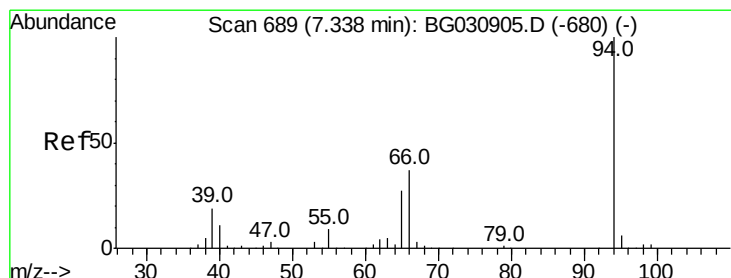
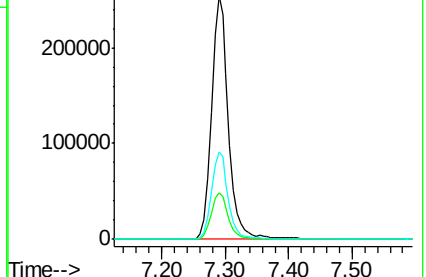
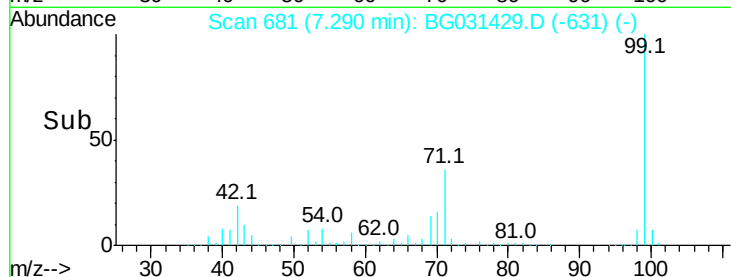
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.3  | 14.1  | 21.1  |
| 71  | 35.8  | 26.1  | 39.1  |



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



#10

Phenol

Concen: 5.483 ng

RT: 7.32 min Scan# 686

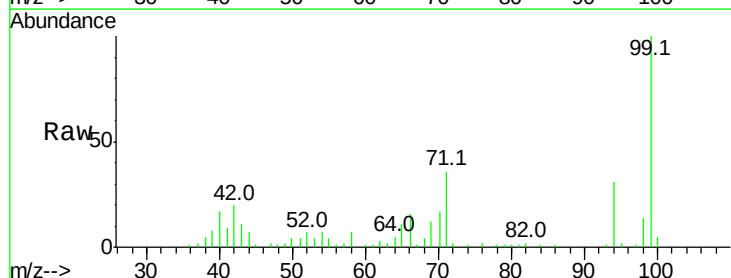
Delta R.T. -0.00 min

Lab File: BG031429.D

Acq: 8 Dec 2017 18:35

Tgt Ion: 94 Resp: 16394

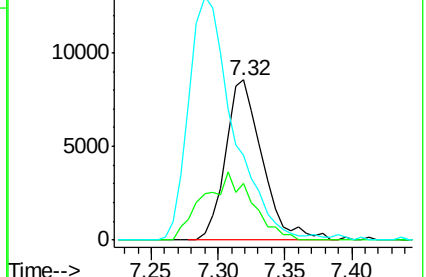
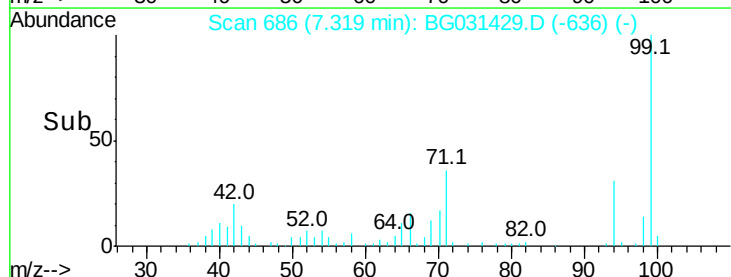
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 35.4  | 11.9  | 51.9  |
| 66  | 52.9  | 22.2  | 62.2  |

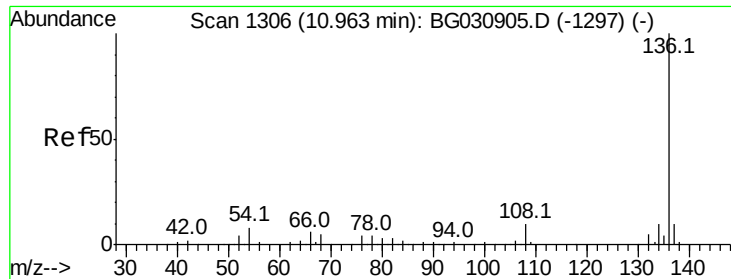


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

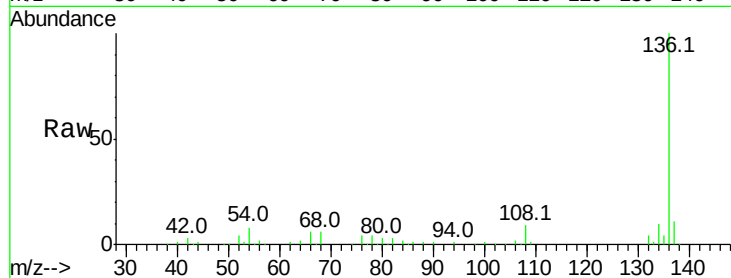




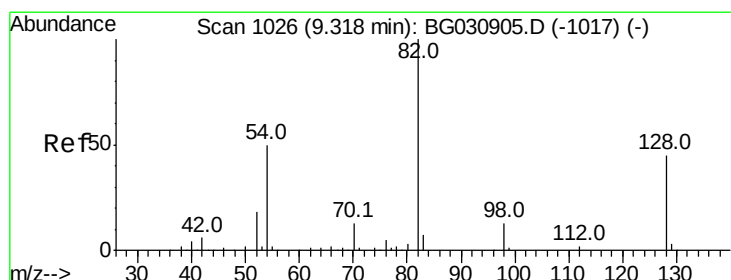
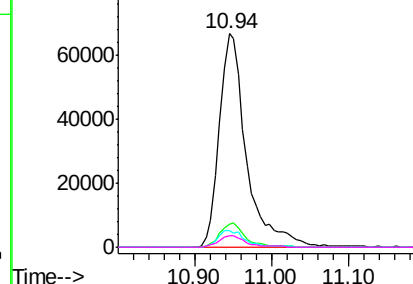
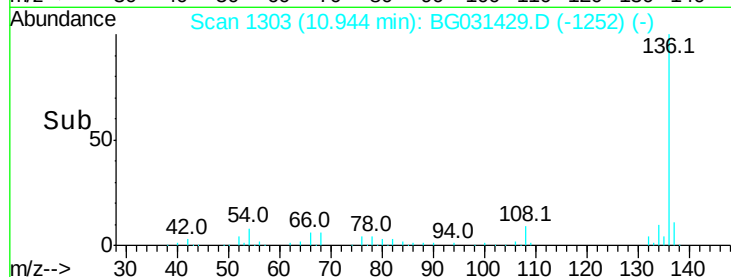
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.94 min Scan# 1303  
Delta R.T. 0.00 min  
Lab File: BG031429.D  
Acq: 8 Dec 2017 18:35

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:136 Resp: 163654  
Ion Ratio Lower Upper  
136 100  
137 10.8 9.2 13.8  
54 7.7 10.3 15.5#  
68 5.6 4.5 6.7

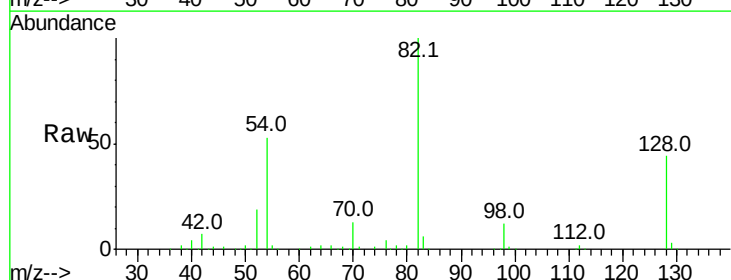


Abundance Ion 136.00 (135.70 to 136.70): B  
Ion 137.00 (136.70 to 137.70): B  
Ion 54.00 (53.70 to 54.70): B  
Ion 68.00 (67.70 to 68.70): B

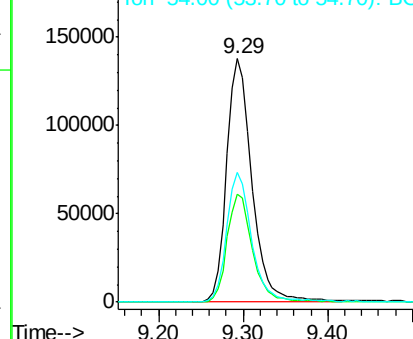
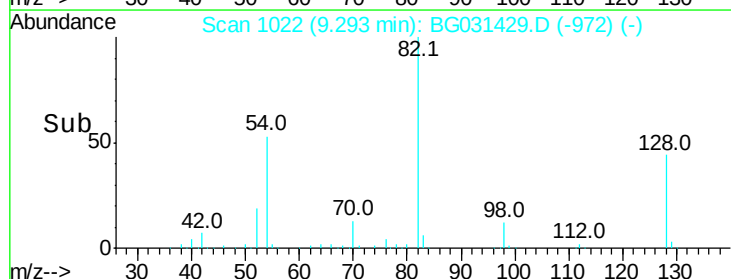


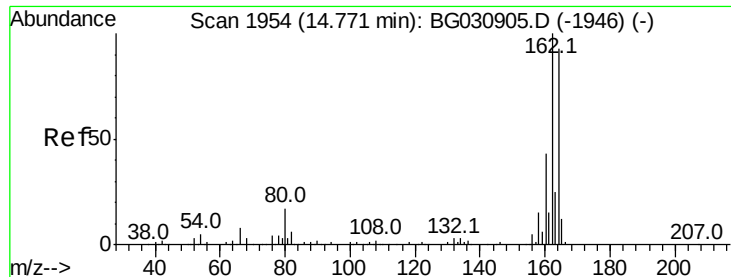
#23  
Nitrobenzene-d5  
Concen: 103.828 ng  
RT: 9.29 min Scan# 1022  
Delta R.T. -0.00 min  
Lab File: BG031429.D  
Acq: 8 Dec 2017 18:35

Tgt Ion: 82 Resp: 286751  
Ion Ratio Lower Upper  
82 100  
128 44.2 29.7 44.5  
54 53.2 43.1 64.7



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 1951

Delta R.T. 0.00 min

Lab File: BG031429.D

Acq: 8 Dec 2017 18:35

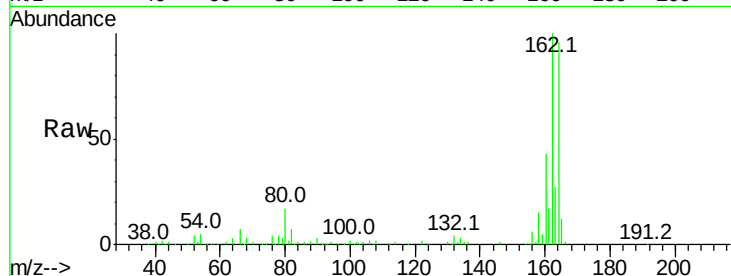
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:164 Resp: 121975

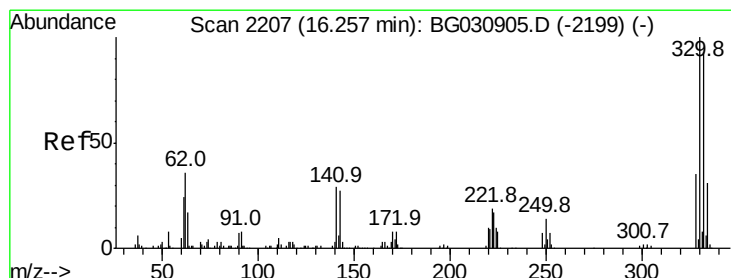
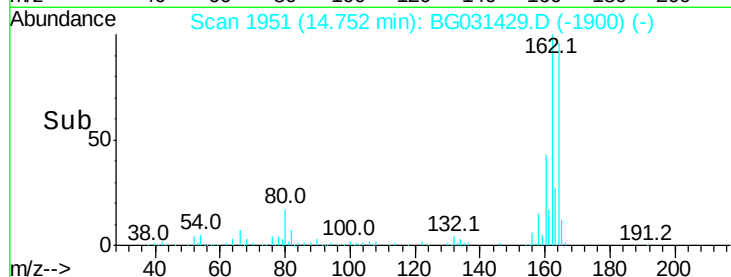
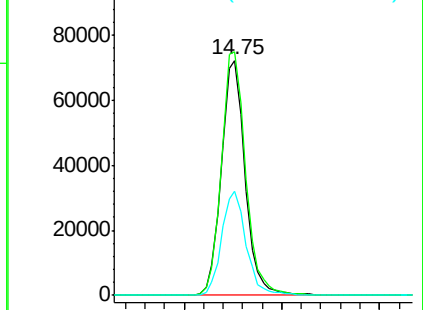
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 103.7 | 78.8  | 118.2 |
| 160 | 44.2  | 35.4  | 53.0  |



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: 129.617 ng

RT: 16.24 min Scan# 2204

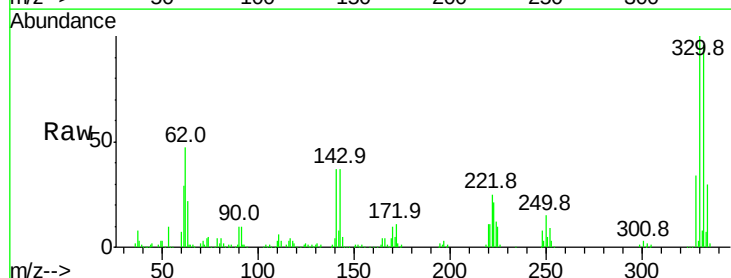
Delta R.T. 0.00 min

Lab File: BG031429.D

Acq: 8 Dec 2017 18:35

Tgt Ion:330 Resp: 255755

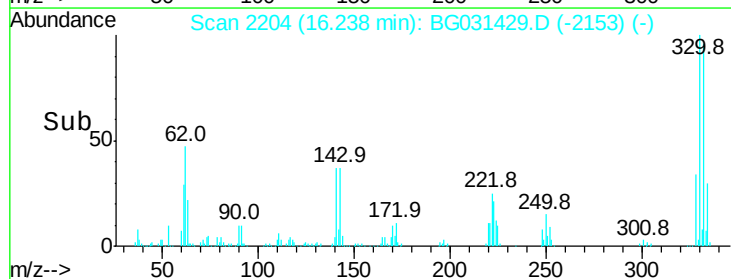
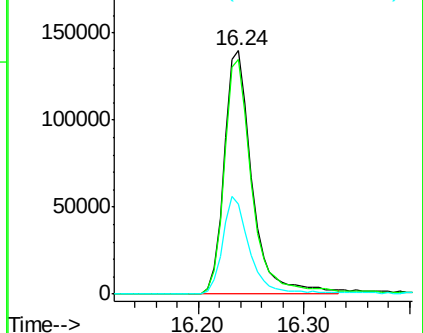
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 98.0  | 77.0  | 115.6 |
| 141 | 39.5  | 25.2  | 37.8# |

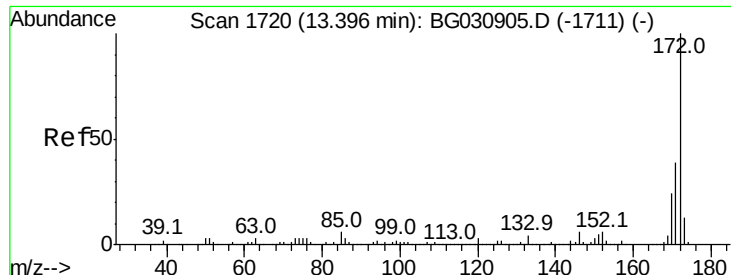


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

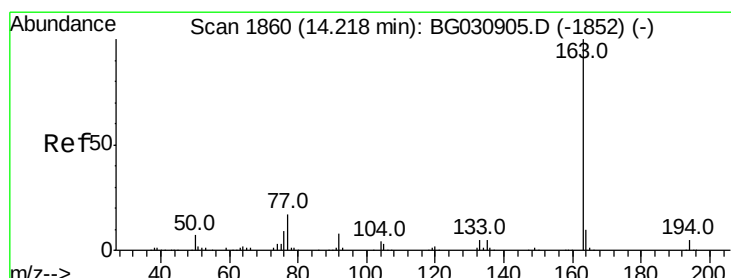
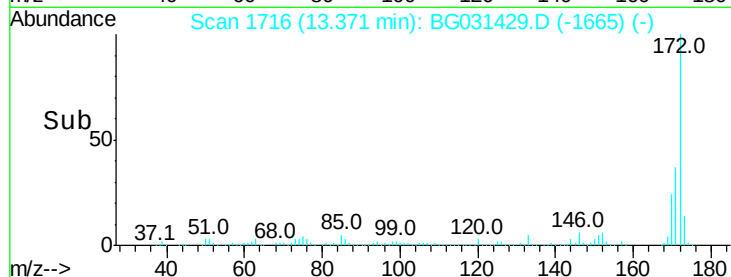
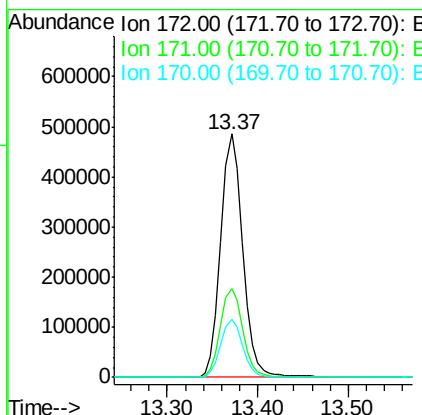
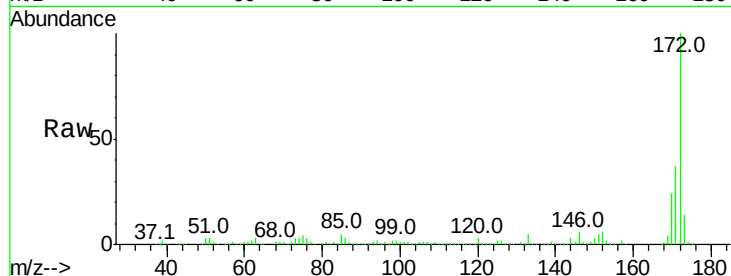




#44  
2-Fluorobiphenyl  
Concen: 97.007 ng  
RT: 13.37 min Scan# 1716  
Delta R.T. 0.00 min  
Lab File: BG031429.D  
Acq: 8 Dec 2017 18:35

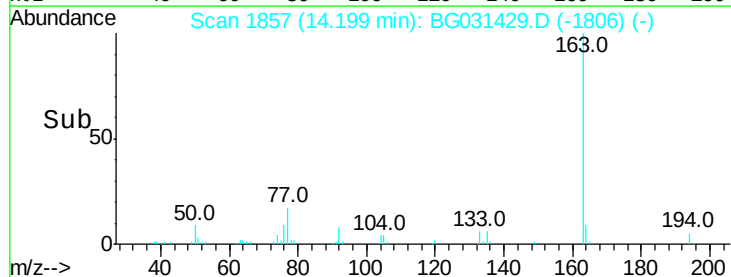
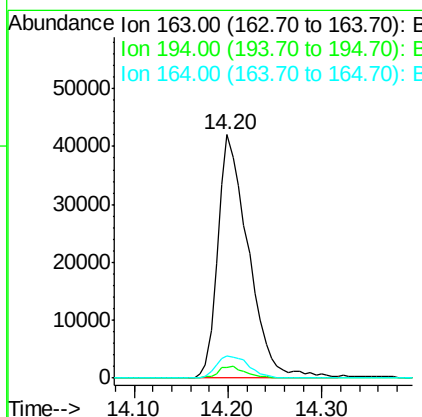
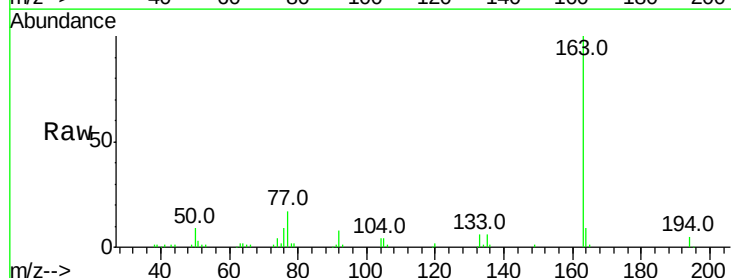
Instrument :  
BNA\_G  
ClientSampleId :

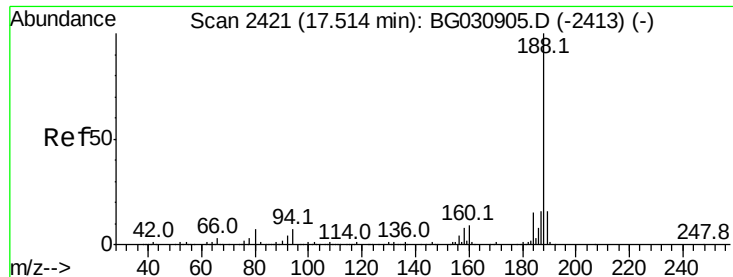
Tot Ion:172 Resp: 823479  
Ion Ratio Lower Upper  
172 100  
171 36.7 30.0 45.0  
170 23.9 19.5 29.3



#49  
Dimethylphthalate  
Concen: 9.028 ng  
RT: 14.20 min Scan# 1857  
Delta R.T. 0.00 min  
Lab File: BG031429.D  
Acq: 8 Dec 2017 18:35

Tgt Ion:163 Resp: 95210  
Ion Ratio Lower Upper  
163 100  
194 4.6 3.4 5.2  
164 9.4 8.2 12.4

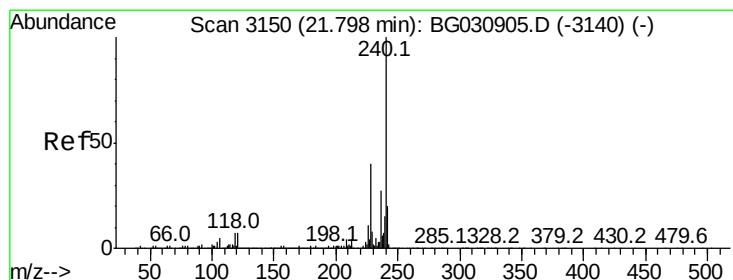
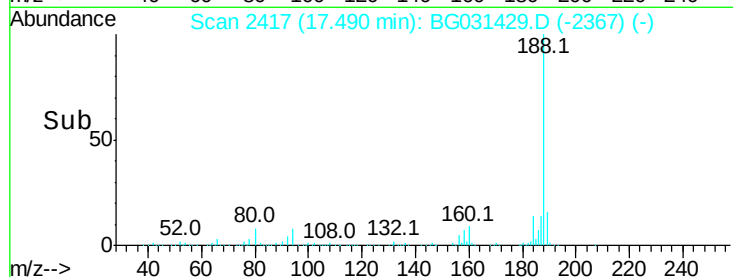
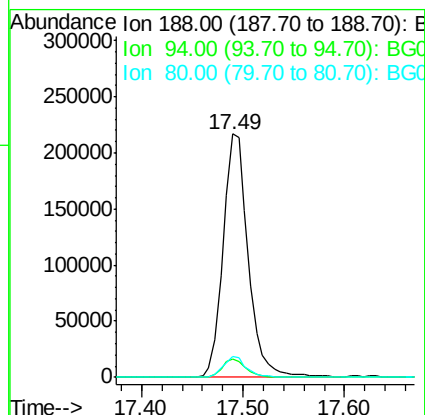
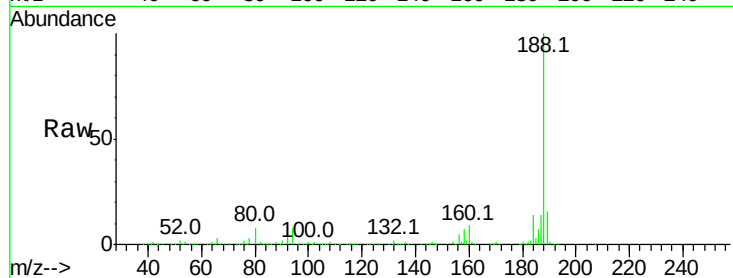




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.49 min Scan# 2417  
Delta R.T. -0.00 min  
Lab File: BG031429.D  
Acq: 8 Dec 2017 18:35

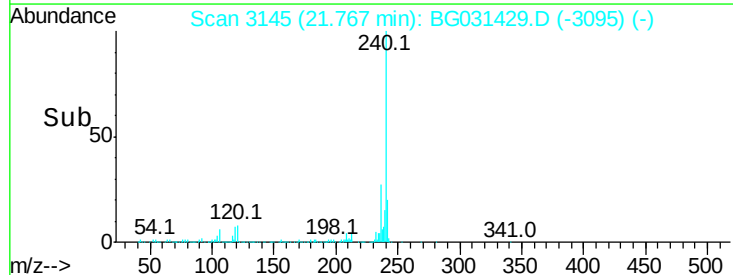
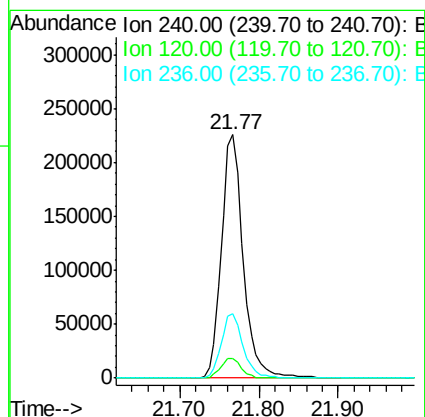
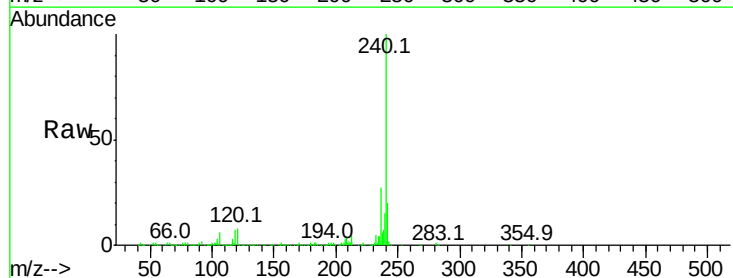
Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:188 Resp: 373808  
Ion Ratio Lower Upper  
188 100  
94 7.8 6.9 10.3  
80 8.4 7.7 11.5

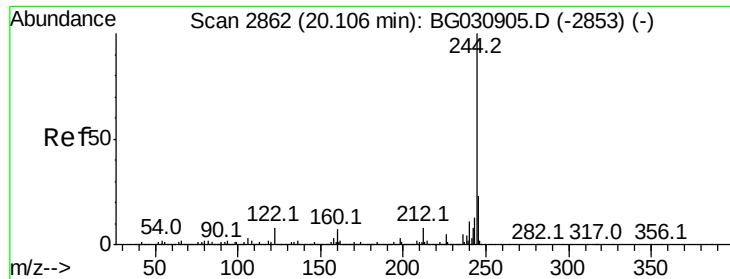


#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.77 min Scan# 3145  
Delta R.T. -0.00 min  
Lab File: BG031429.D  
Acq: 8 Dec 2017 18:35

Tgt Ion:240 Resp: 428470  
Ion Ratio Lower Upper  
240 100  
120 8.0 6.8 10.2  
236 26.7 20.9 31.3







#78

Terphenyl-d14

Concen: 94.239 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.00 min

Lab File: BG031429.D

Acq: 8 Dec 2017 18:35

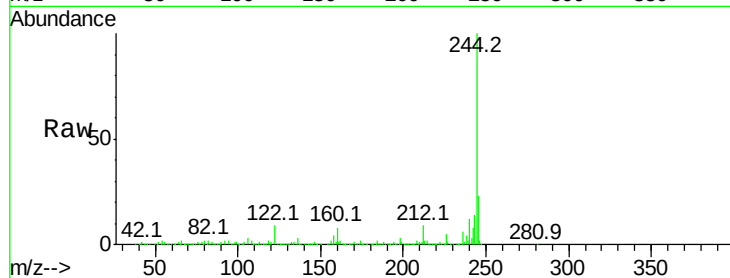
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:244 Resp: 1828666

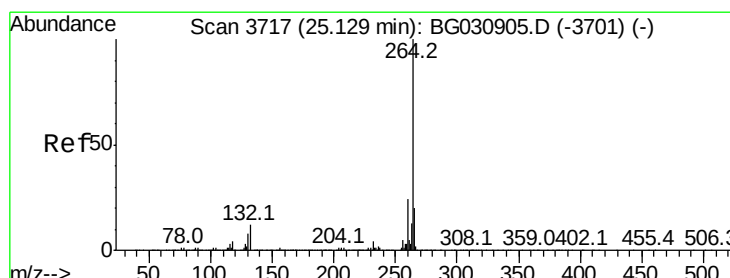
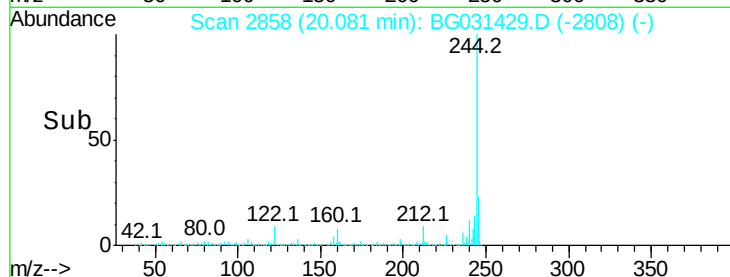
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.6   | 5.8   | 8.8   |
| 122 | 8.8   | 7.0   | 10.4  |



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: 25.06 min Scan# 3706

Delta R.T. -0.00 min

Lab File: BG031429.D

Acq: 8 Dec 2017 18:35

Tgt Ion:264 Resp: 409754

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.1  | 17.4  | 26.0  |
| 265 | 20.9  | 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

