

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG110416\  
 Data File : BG024714.D  
 Acq On : 5 Nov 2016 15:55  
 Operator : UM/SJ  
 Sample : H5527-05  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GW-102-9.35-17.0

Quant Time: Nov 06 23:49:14 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG102516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 26 11:14:13 2016  
 Response via : Initial Calibration

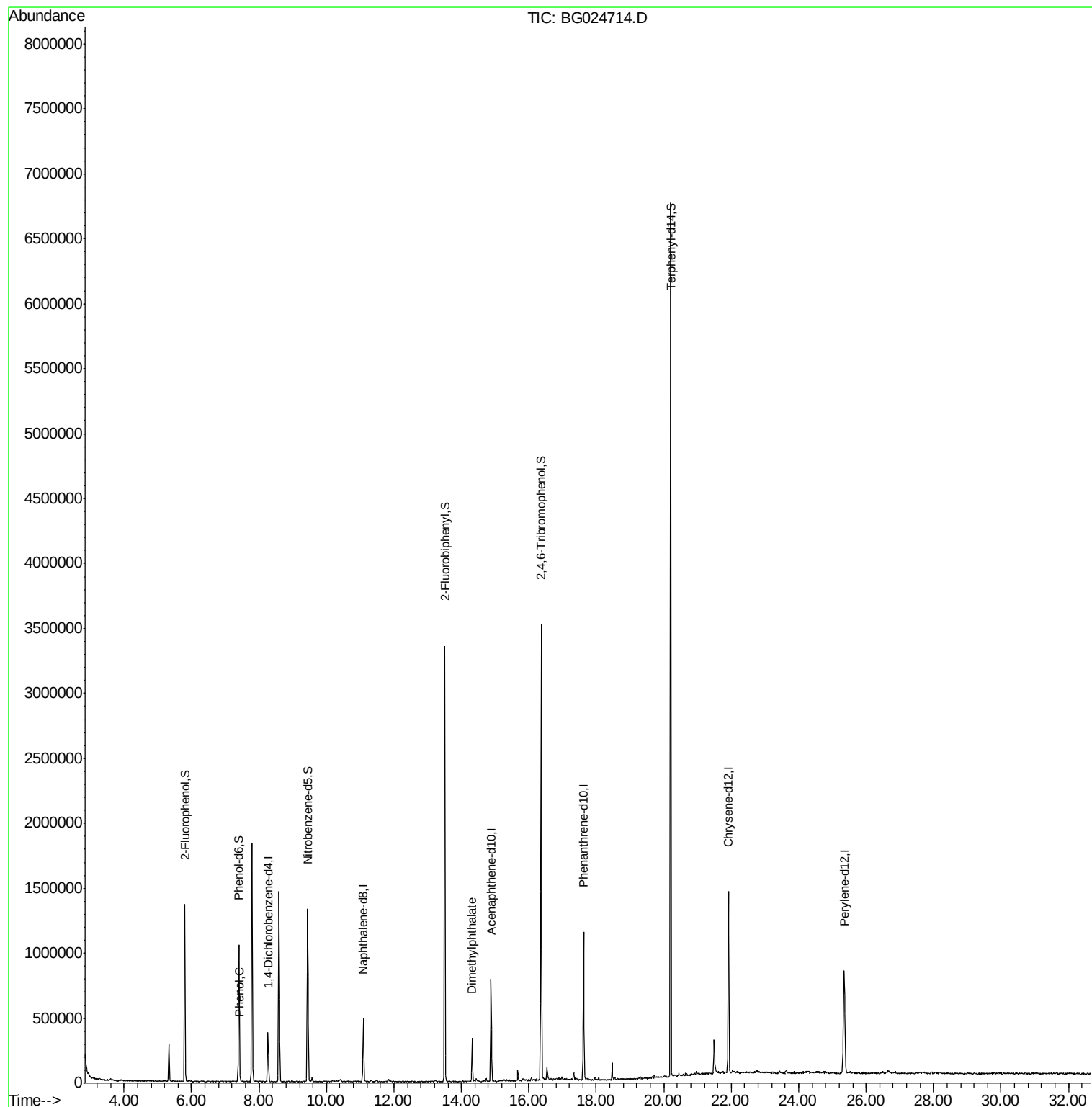
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.27  | 152  | 96469    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.09 | 136  | 389251   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.88 | 164  | 286645   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.63 | 188  | 698917   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.92 | 240  | 965887   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.35 | 264  | 1007467  | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.80  | 112  | 547956   | 93.10  | ng    | 0.00     |
| 7) Phenol-d6                | 7.40  | 99   | 565559   | 70.05  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.44  | 82   | 817747   | 95.65  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.36 | 330  | 688164   | 160.70 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.51 | 172  | 1699050  | 98.52  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.20 | 244  | 2802194  | 86.69  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.43  | 94   | 21169    | 2.54   | ng    | 82       |
| 49) Dimethylphthalate       | 14.32 | 163  | 204801   | 10.06  | ng    | 99       |

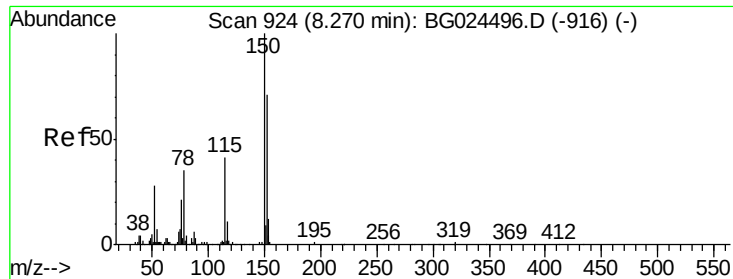
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG110416\  
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BNA\_G  
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GW-102-9.35-17.0

Quant Time: Nov 06 23:49:14 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG102516.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 26 11:14:13 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.27 min Scan# 924

Delta R.T. -0.00 min

Lab File: BG024714.D

Acq: 5 Nov 2016 15:55

Instrument :

BNA\_G

ClientSampleId :

GW-102-9.35-17.0

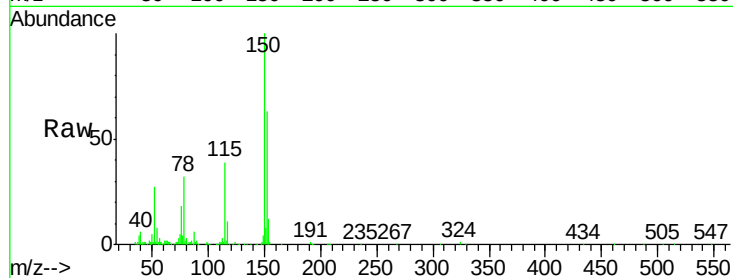
Tgt Ion:152 Resp: 96469

Ion Ratio Lower Upper

152 100

150 157.6 114.0 171.0

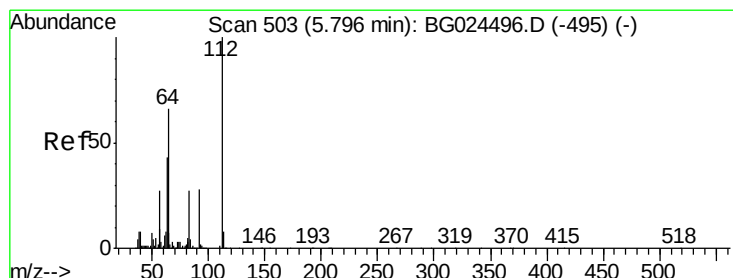
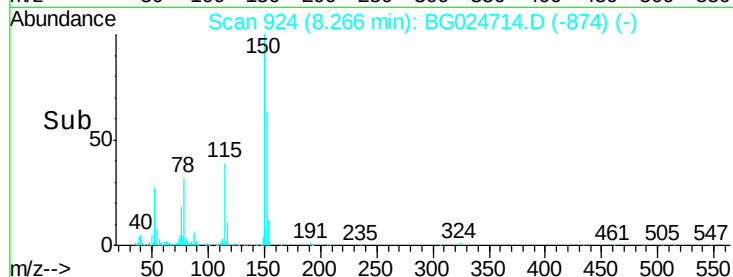
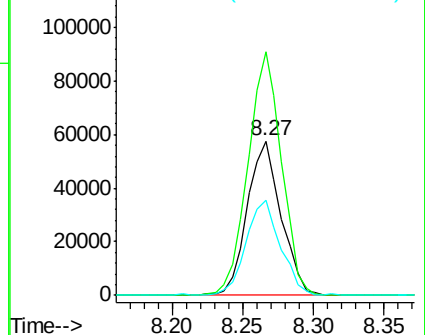
115 61.9 48.1 72.1



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: 93.10 ng

RT: 5.80 min Scan# 504

Delta R.T. 0.00 min

Lab File: BG024714.D

Acq: 5 Nov 2016 15:55

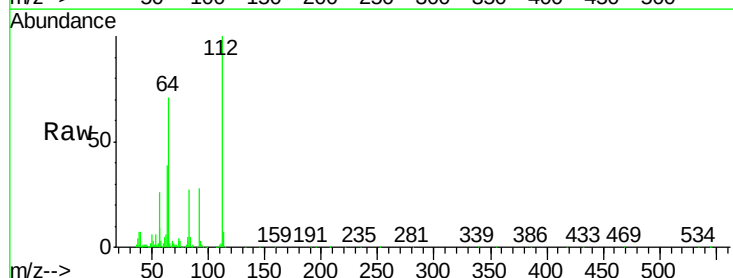
Tgt Ion:112 Resp: 547956

Ion Ratio Lower Upper

112 100

64 70.7 61.8 92.6

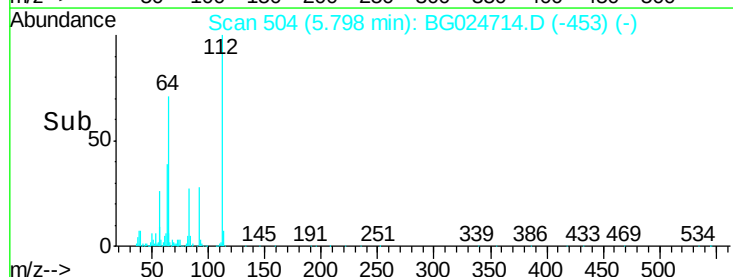
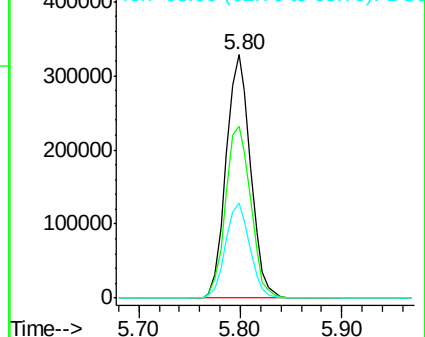
63 39.3 37.2 55.8

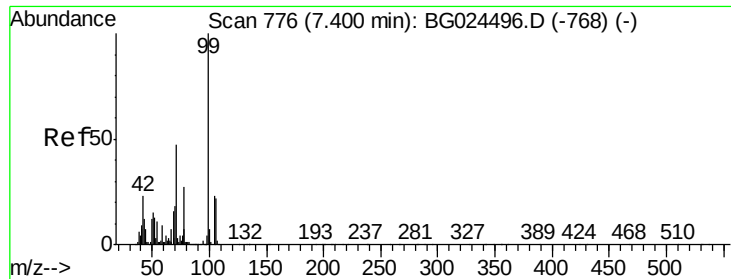


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 70.05 ng

RT: 7.40 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG024714.D

Acq: 5 Nov 2016 15:55

Instrument :

BNA\_G

ClientSampleId :

GW-102-9.35-17.0

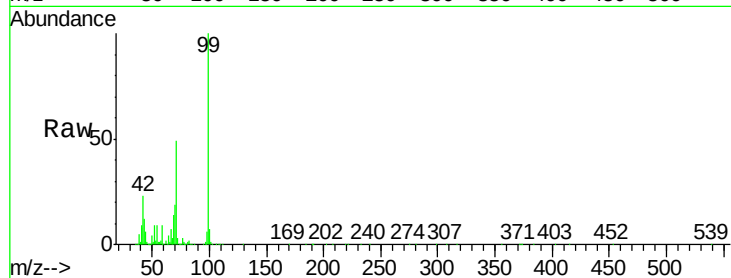
Tgt Ion: 99 Resp: 565559

Ion Ratio Lower Upper

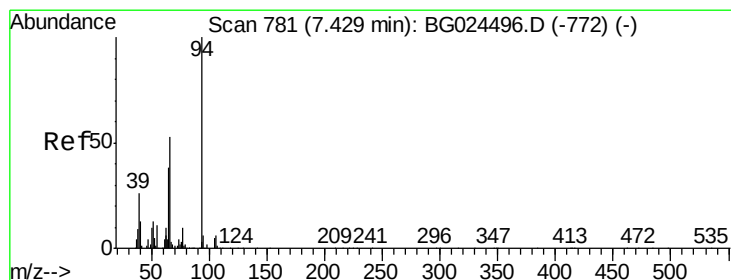
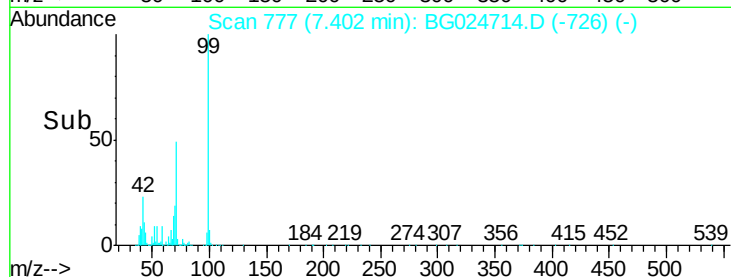
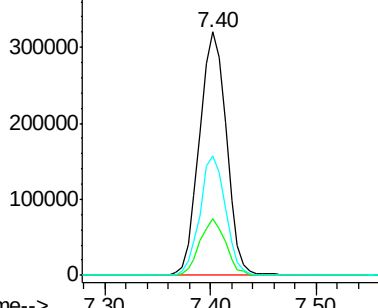
99 100

42 23.1 20.5 30.7

71 49.2 37.6 56.4



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: 2.54 ng

RT: 7.43 min Scan# 782

Delta R.T. 0.00 min

Lab File: BG024714.D

Acq: 5 Nov 2016 15:55

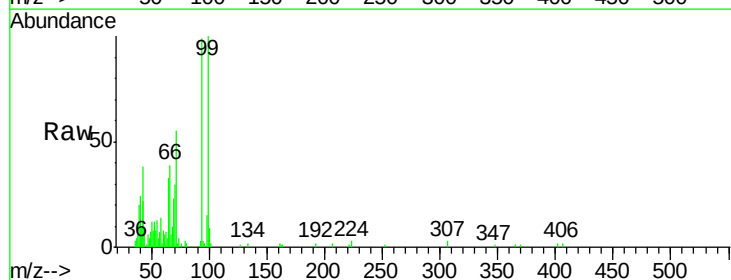
Tgt Ion: 94 Resp: 21169

Ion Ratio Lower Upper

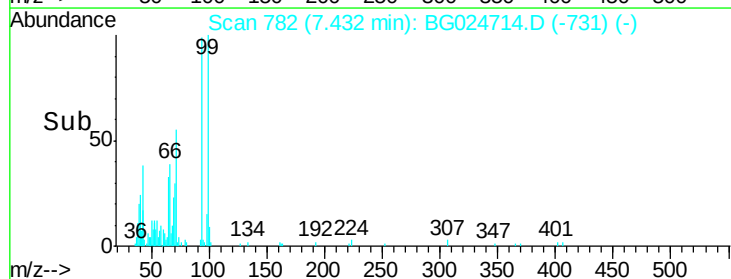
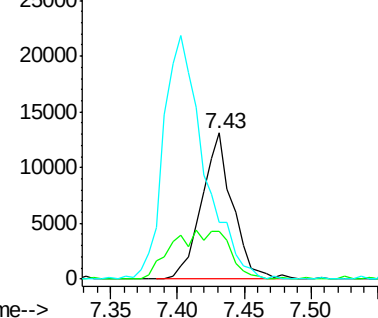
94 100

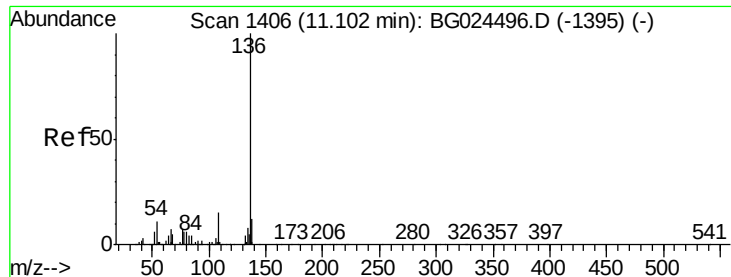
65 33.1 20.6 60.6

66 39.2 35.5 75.5



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

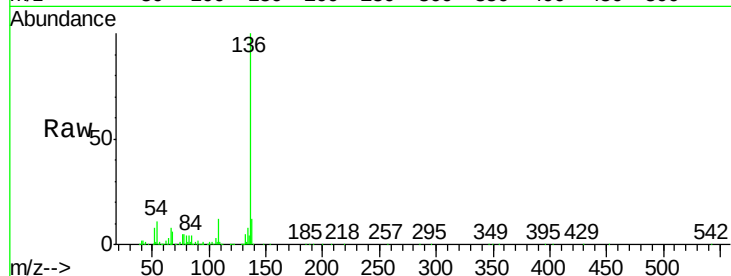




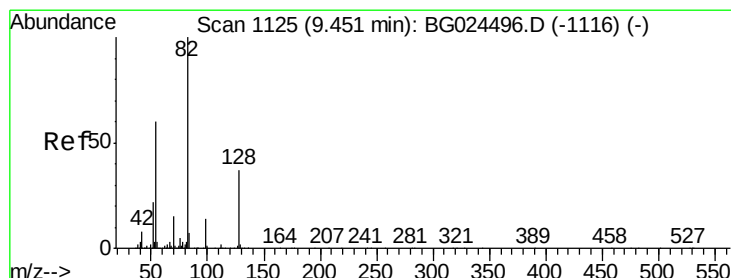
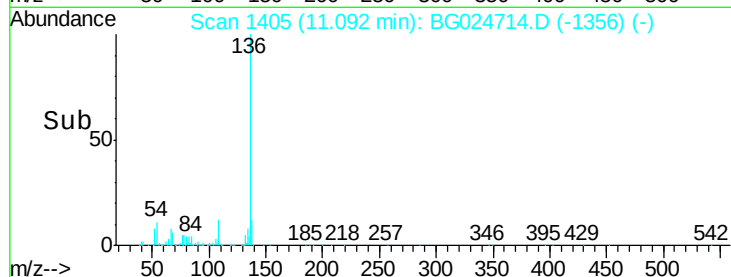
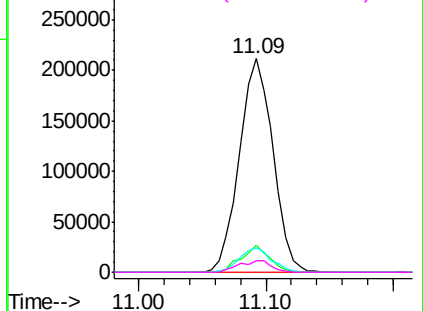
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.09 min Scan# 1405  
Delta R.T. -0.01 min  
Lab File: BG024714.D  
Acq: 5 Nov 2016 15:55

Instrument :  
BNA\_G  
ClientSampleId :  
GW-102-9.35-17.0

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 389251 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 12.4  | 8.9   | 13.3   |
| 54       | 11.2  | 9.3   | 13.9   |
| 68       | 5.6   | 5.1   | 7.7    |

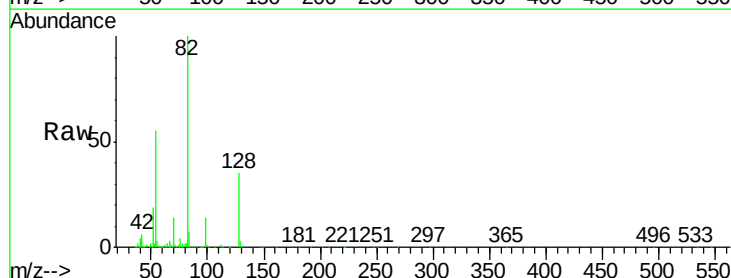


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

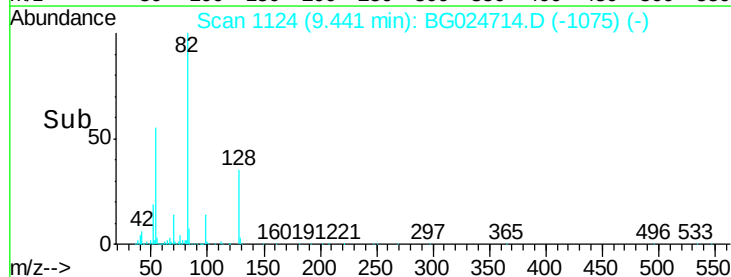
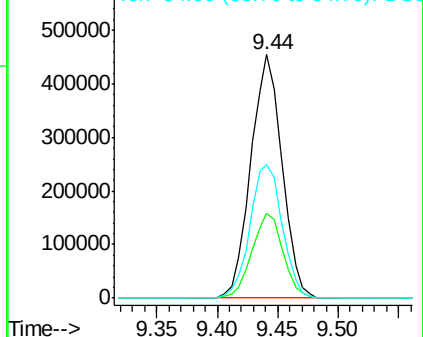


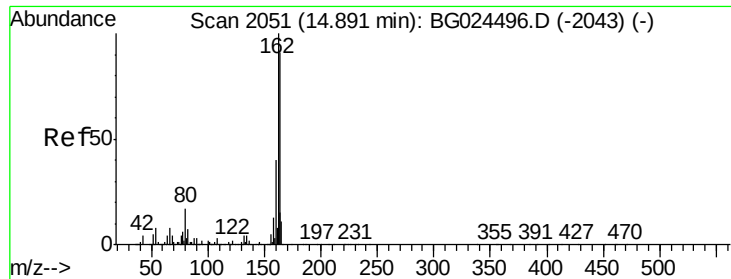
#23  
Nitrobenzene-d5  
Concen: 95.65 ng  
RT: 9.44 min Scan# 1124  
Delta R.T. -0.01 min  
Lab File: BG024714.D  
Acq: 5 Nov 2016 15:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 817747 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 34.9  | 26.4  | 39.6   |
| 54       | 54.8  | 49.4  | 74.2   |



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

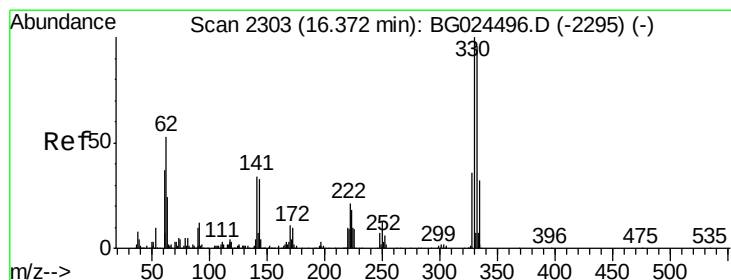
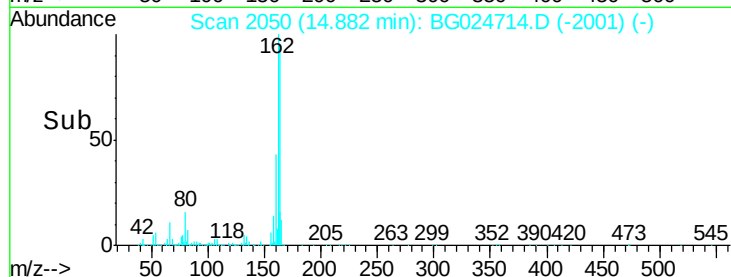
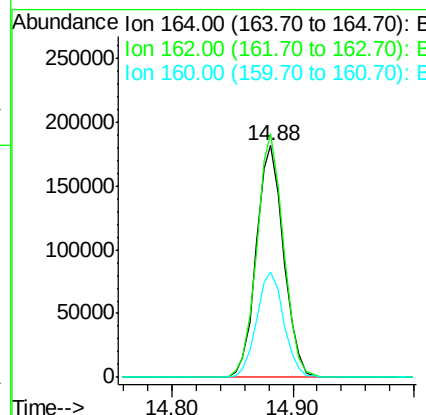
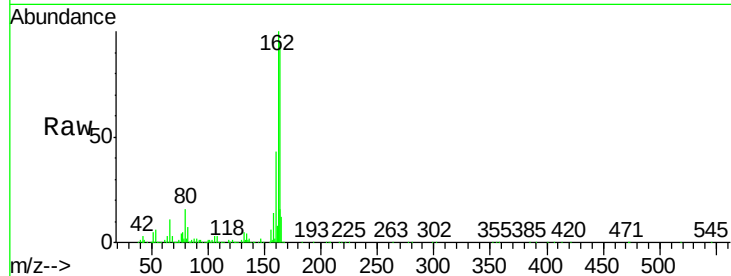




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.88 min Scan# 2050  
 Delta R.T. -0.01 min  
 Lab File: BG024714.D  
 Acq: 5 Nov 2016 15:55

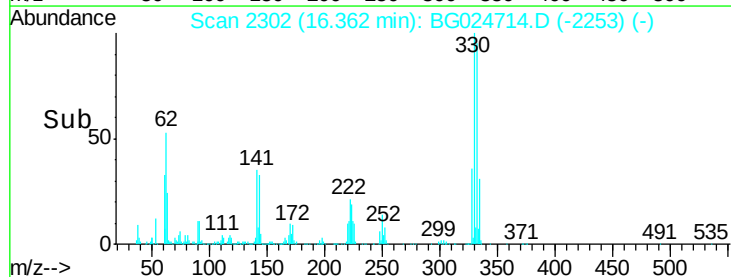
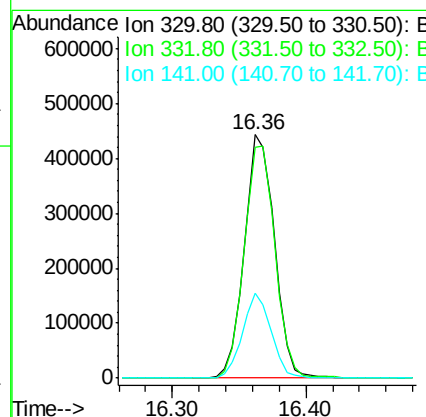
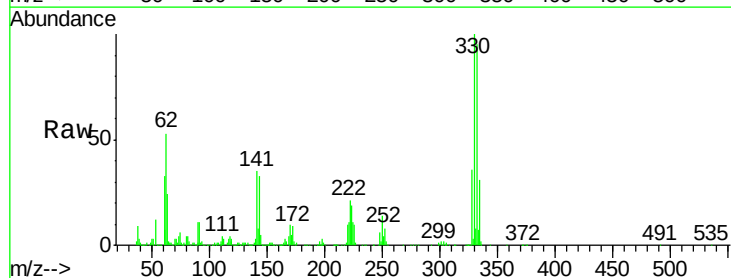
Instrument :  
 BNA\_G  
 ClientSampleId :  
 GW-102-9.35-17.0

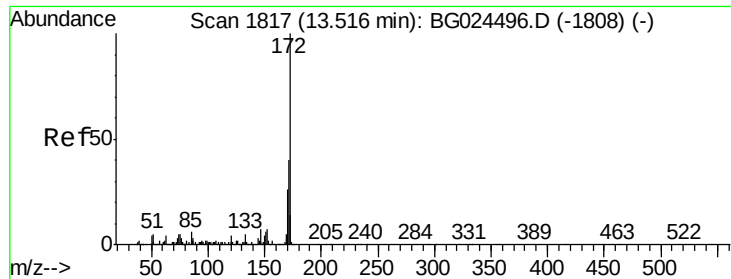
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.1 | 85.1  | 127.7 |
| 160     | 45.6  | 34.7  | 52.1  |



#41  
 2,4,6-Tribromophenol  
 Concen: 160.70 ng  
 RT: 16.36 min Scan# 2302  
 Delta R.T. -0.01 min  
 Lab File: BG024714.D  
 Acq: 5 Nov 2016 15:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.4  | 77.3  | 115.9 |
| 141     | 33.4  | 32.1  | 48.1  |

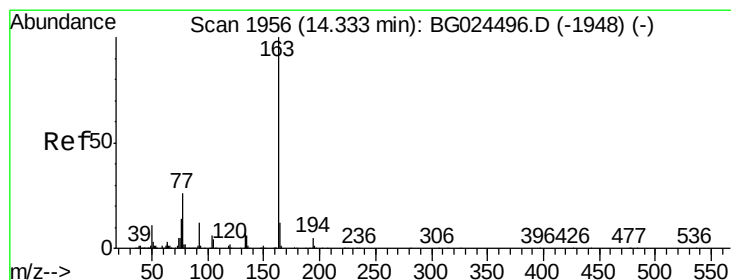
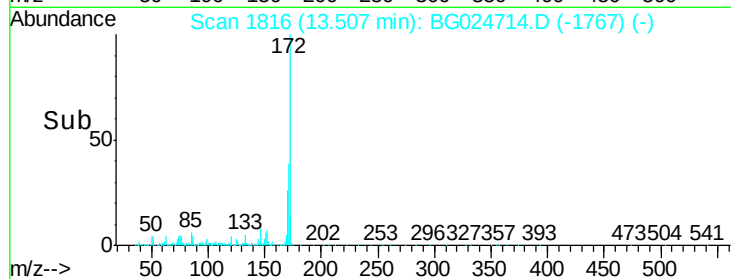
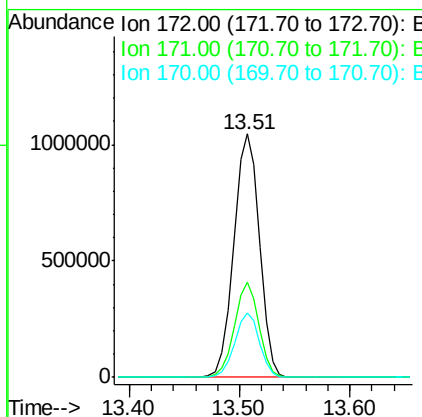
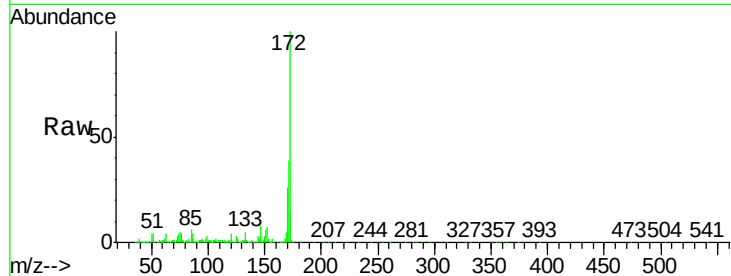




#44  
2-Fluorobiphenyl  
Concen: 98.52 ng  
RT: 13.51 min Scan# 1816  
Delta R.T. -0.01 min  
Lab File: BG024714.D  
Acq: 5 Nov 2016 15:55

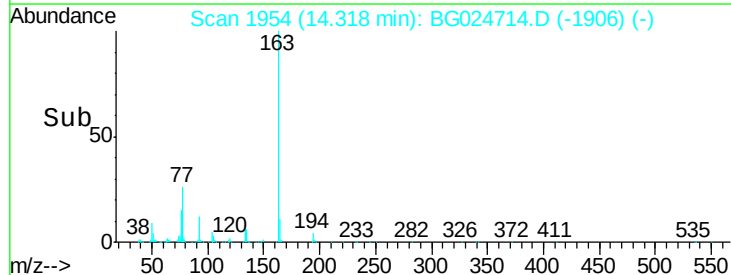
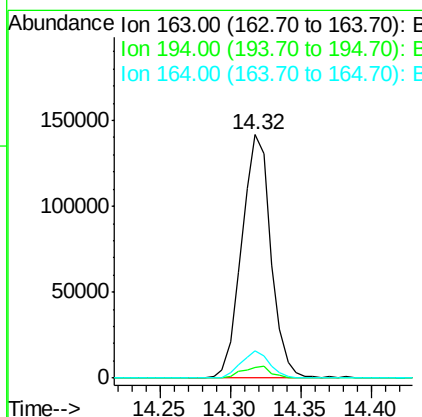
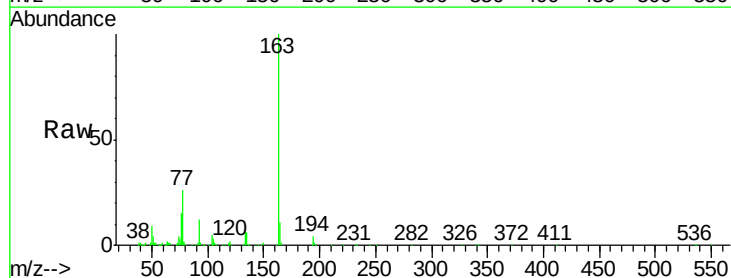
Instrument :  
BNA\_G  
ClientSampleId :  
GW-102-9.35-17.0

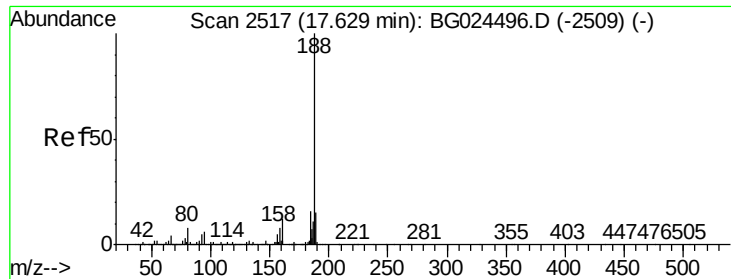
Tgt Ion:172 Resp: 1699050  
Ion Ratio Lower Upper  
172 100  
171 38.9 32.2 48.2  
170 26.3 21.8 32.6



#49  
Dimethylphthalate  
Concen: 10.06 ng  
RT: 14.32 min Scan# 1954  
Delta R.T. -0.02 min  
Lab File: BG024714.D  
Acq: 5 Nov 2016 15:55

Tgt Ion:163 Resp: 204801  
Ion Ratio Lower Upper  
163 100  
194 4.5 3.8 5.6  
164 11.0 9.3 13.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.63 min Scan# 2517

Delta R.T. -0.00 min

Lab File: BG024714.D

Acq: 5 Nov 2016 15:55

Instrument :

BNA\_G

ClientSampleId :

GW-102-9.35-17.0

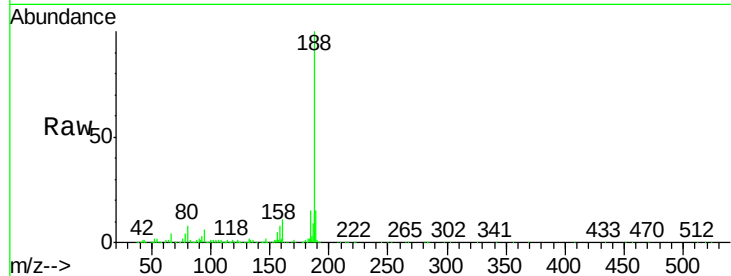
Tgt Ion:188 Resp: 698917

Ion Ratio Lower Upper

188 100

94 6.4 5.8 8.8

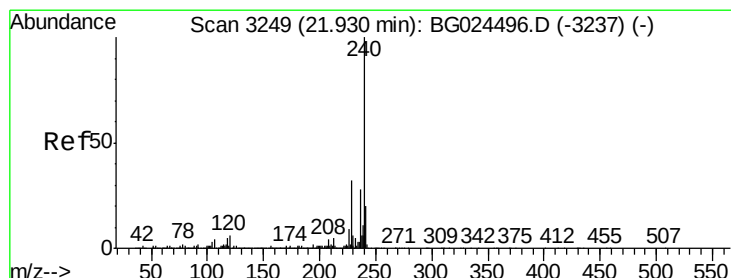
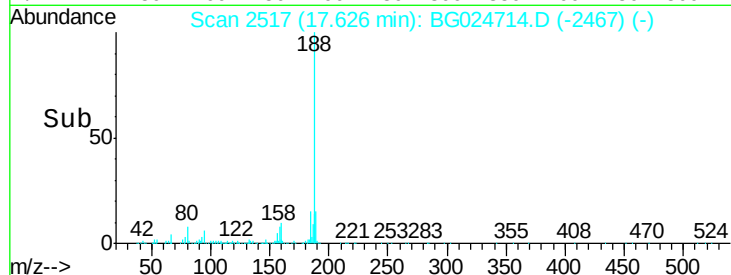
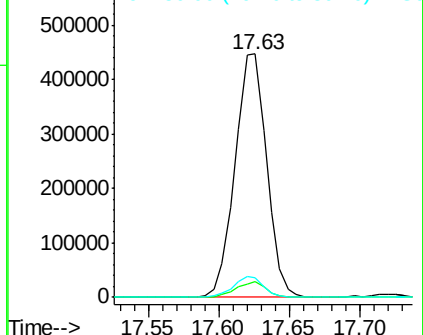
80 8.0 7.5 11.3



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.92 min Scan# 3248

Delta R.T. -0.01 min

Lab File: BG024714.D

Acq: 5 Nov 2016 15:55

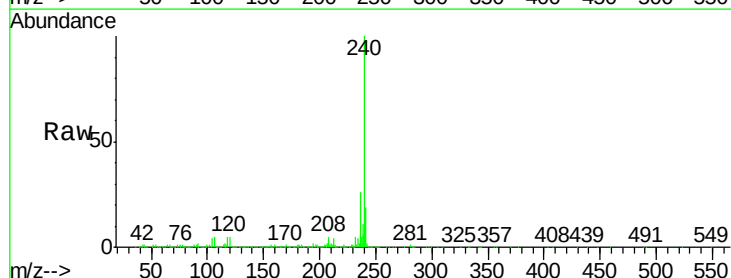
Tgt Ion:240 Resp: 965887

Ion Ratio Lower Upper

240 100

120 5.2 5.7 8.5#

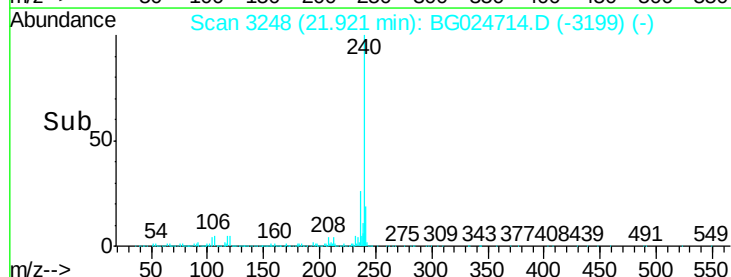
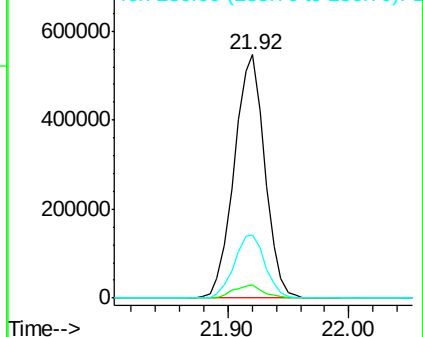
236 26.1 22.2 33.4



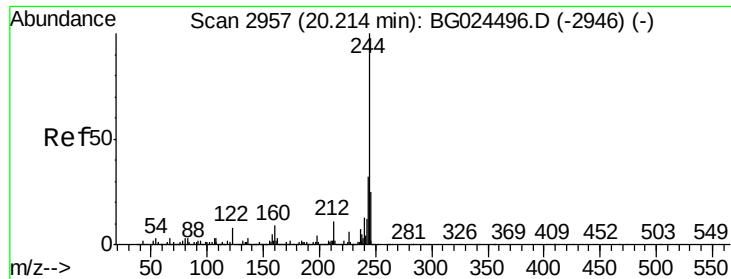
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#78

Terphenyl-d14

Concen: 86.69 ng

RT: 20.20 min Scan# 2956

Delta R.T. -0.01 min

Lab File: BG024714.D

Acq: 5 Nov 2016 15:55

Instrument :

BNA\_G

ClientSampleId :

GW-102-9.35-17.0

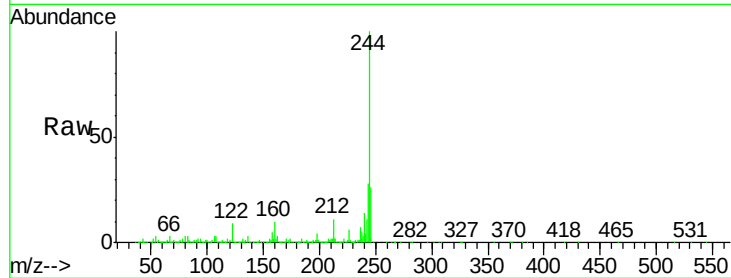
Tgt Ion:244 Resp: 2802194

Ion Ratio Lower Upper

244 100

212 10.7 10.0 15.0

122 8.6 8.6 12.8



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

2500000

2000000

1500000

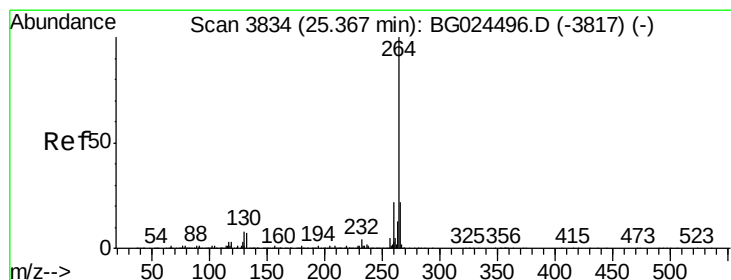
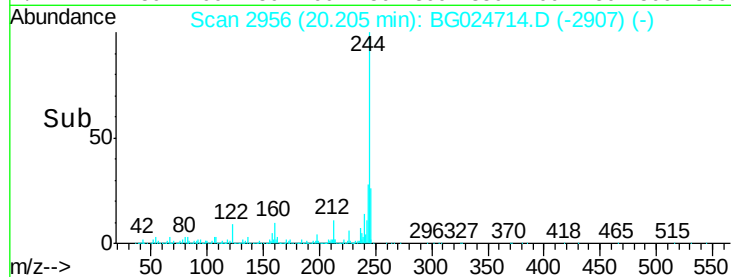
1000000

500000

0

20.15 20.20 20.25

Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.35 min Scan# 3832

Delta R.T. -0.02 min

Lab File: BG024714.D

Acq: 5 Nov 2016 15:55

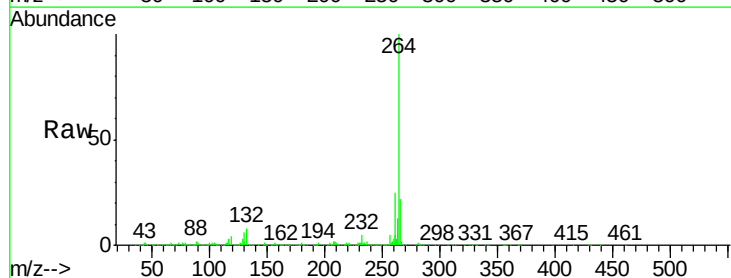
Tgt Ion:264 Resp: 1007467

Ion Ratio Lower Upper

264 100

260 24.5 21.8 32.8

265 22.1 18.2 27.4



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

400000

300000

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25.20 25.30 25.40

Time-->

