

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031418\  
 Data File : BG033171.D  
 Acq On : 15 Mar 2018 8:16  
 Operator : SJ/JU  
 Sample : J1908-08  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-B

Quant Time: Mar 15 10:47:42 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 14 13:59:34 2018  
 Response via : Initial Calibration

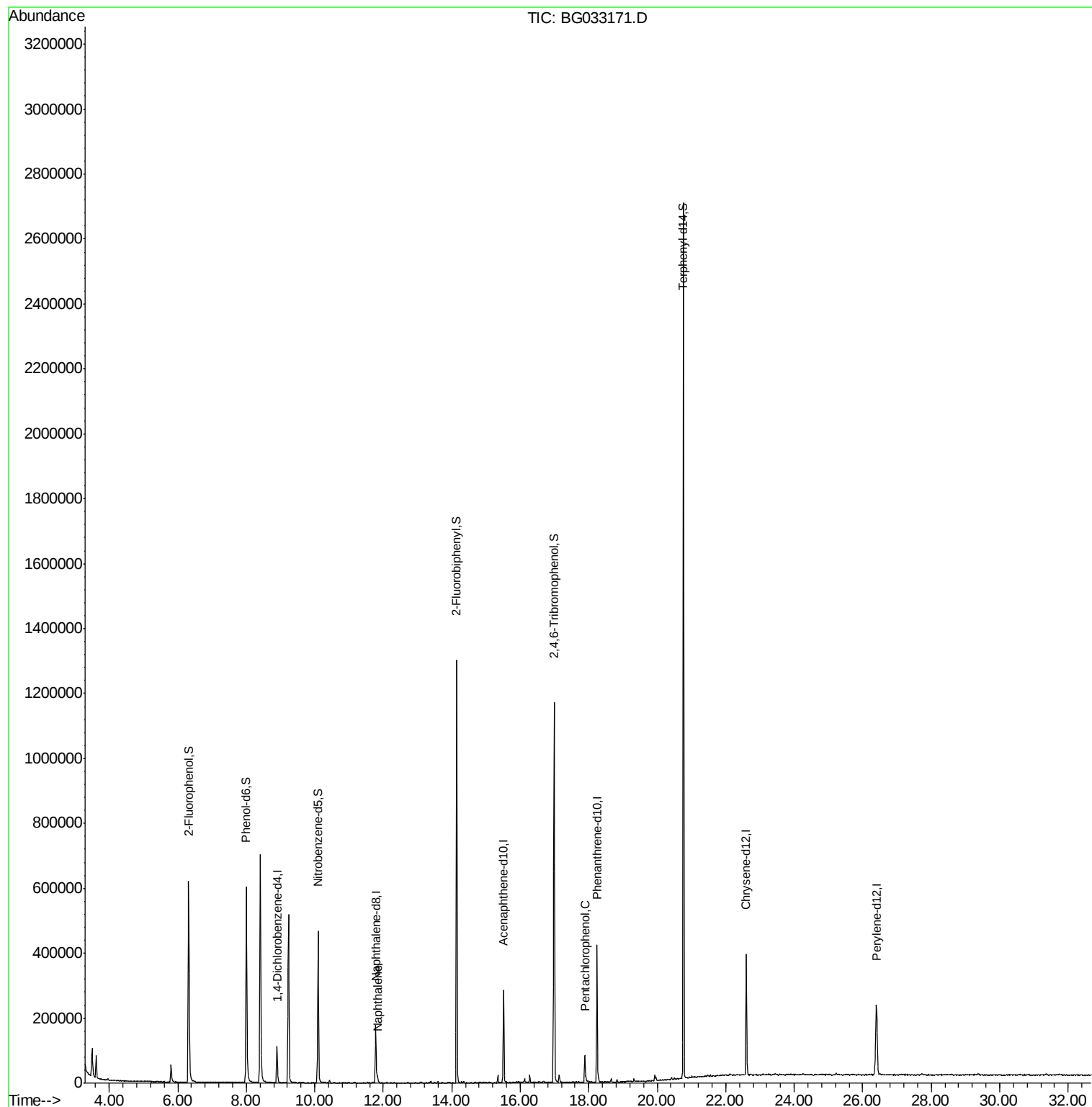
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.89  | 152  | 36838    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.78 | 136  | 164808   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.51 | 164  | 101130   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 18.24 | 188  | 254196   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.60 | 240  | 245568   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 26.40 | 264  | 260894   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.32  | 112  | 328194   | 142.53 | ng    | 0.00     |
| 7) Phenol-d6                | 8.01  | 99   | 399987   | 124.63 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 10.10 | 82   | 300664   | 121.75 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.99 | 330  | 241862   | 227.45 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 14.14 | 172  | 687225   | 98.01  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.76 | 244  | 1278754  | 116.99 | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 31) Naphthalene             | 11.84 | 128  | 18381    | 2.134  | ng    | 97       |
| 69) Pentachlorophenol       | 17.89 | 266  | 17688    | 9.668  | ng    | 96       |

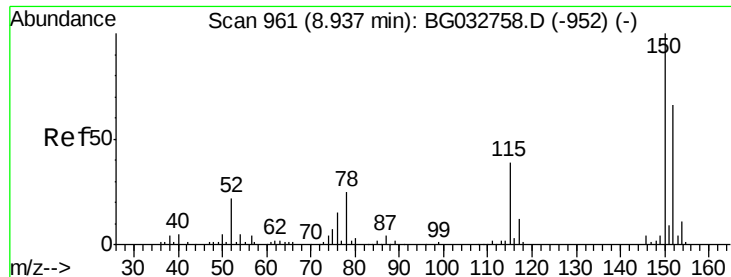
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Mar 14 13:59:34 2018  
Response via : Initial Calibration



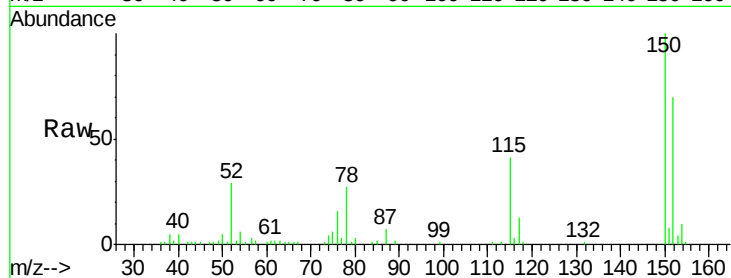


#1

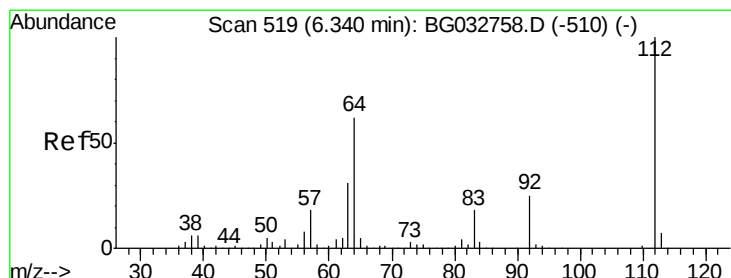
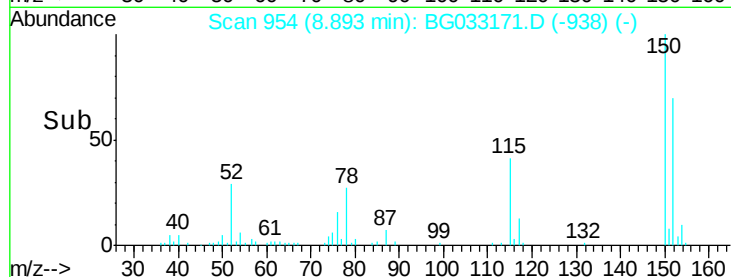
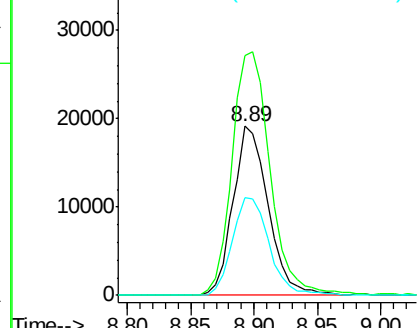
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.89 min Scan# 954  
Delta R.T. -0.00 min  
Lab File: BG033171.D  
Acq: 15 Mar 2018 8:16

Instrument :  
BNA\_G  
ClientSampleId :  
TP-B

Tot Ion:152 Resp: 36838  
Ion Ratio Lower Upper  
152 100  
150 141.9 126.6 189.8  
115 57.5 53.0 79.4



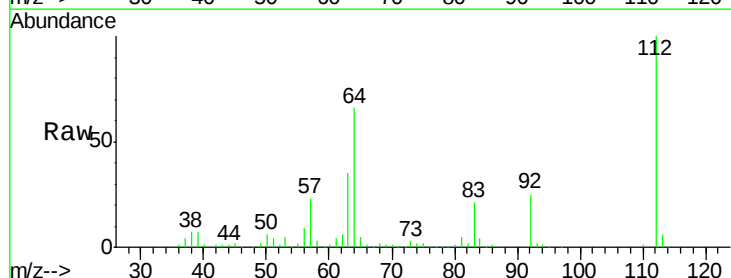
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



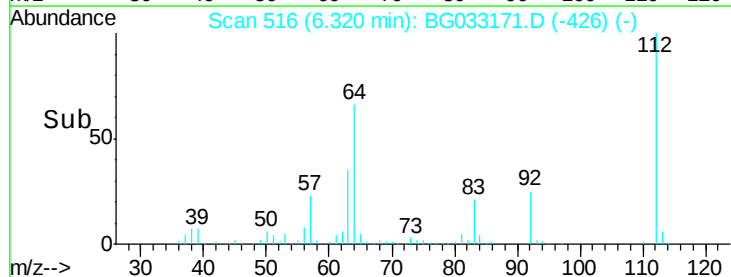
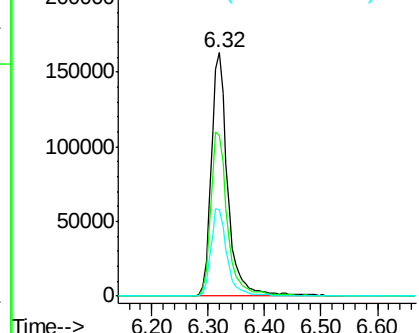
#5

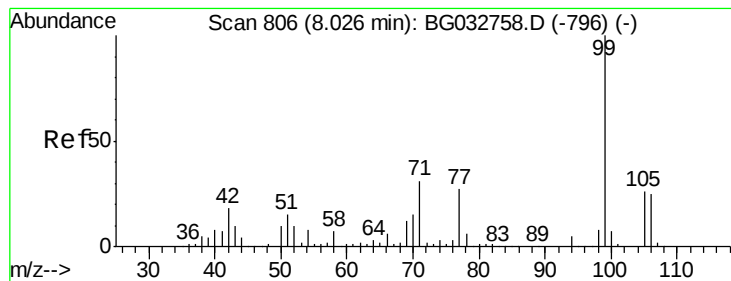
2-Fluorophenol  
Concen: 142.533 ng  
RT: 6.32 min Scan# 516  
Delta R.T. 0.00 min  
Lab File: BG033171.D  
Acq: 15 Mar 2018 8:16

Tgt Ion:112 Resp: 328194  
Ion Ratio Lower Upper  
112 100  
64 66.0 56.3 84.5  
63 35.1 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: 124.627 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.00 min

Lab File: BG033171.D

Acq: 15 Mar 2018 8:16

Instrument :

BNA\_G

ClientSampled :

TP-B

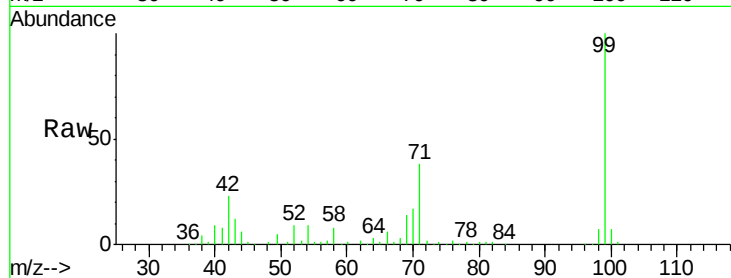
Tot Ion: 99 Resp: 399987

Ion Ratio Lower Upper

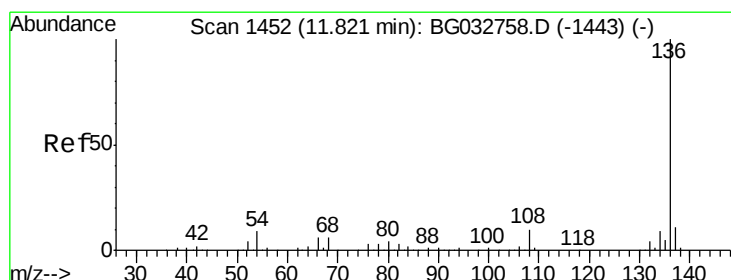
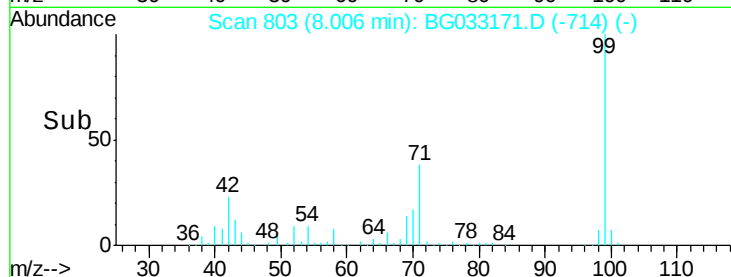
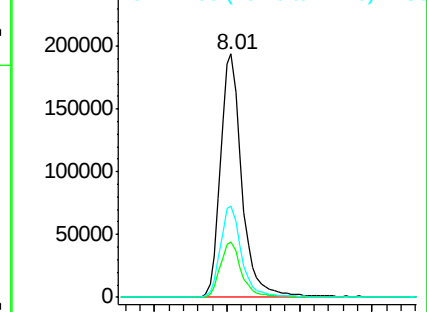
99 100

42 22.6 14.1 21.1#

71 37.7 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: 11.78 min Scan# 1446

Delta R.T. -0.00 min

Lab File: BG033171.D

Acq: 15 Mar 2018 8:16

Tgt Ion: 136 Resp: 164808

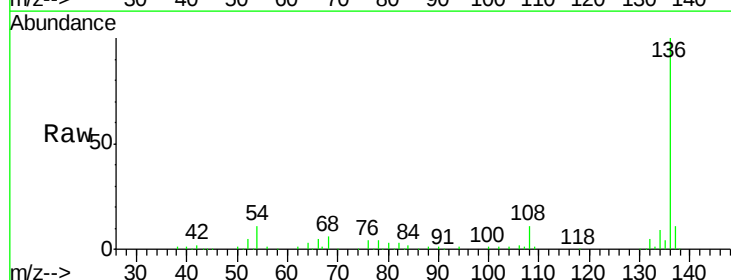
Ion Ratio Lower Upper

136 100

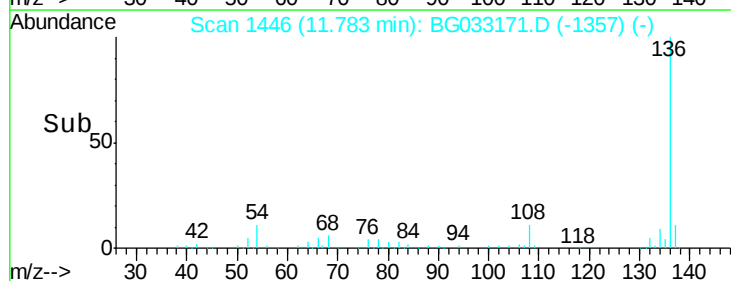
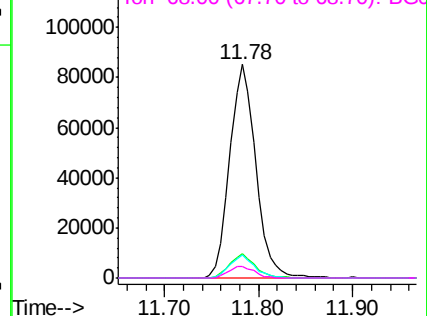
137 11.2 9.2 13.8

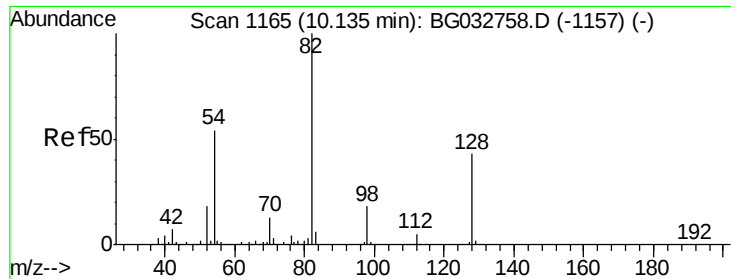
54 10.6 10.3 15.5

68 5.6 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

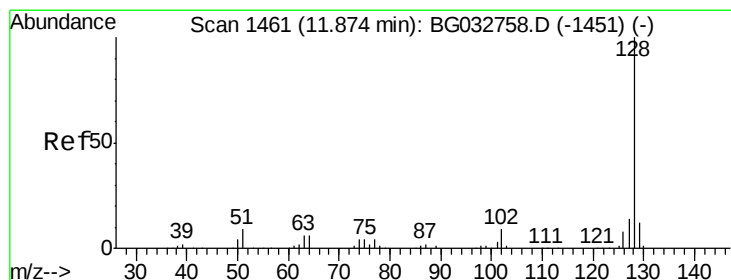
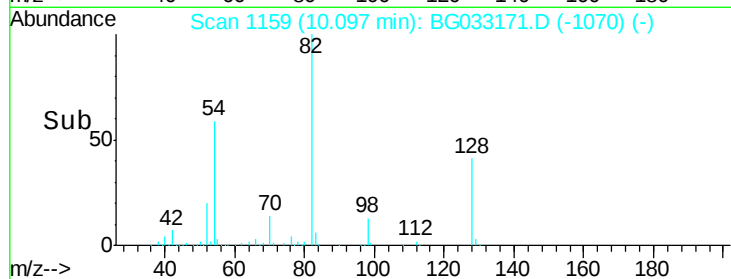
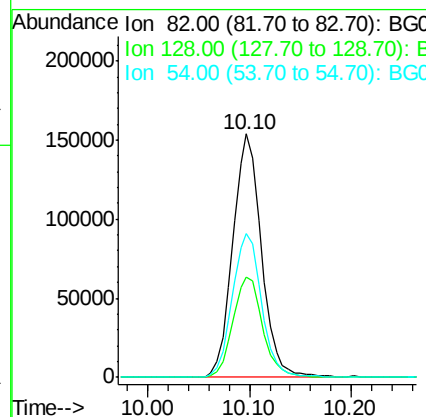
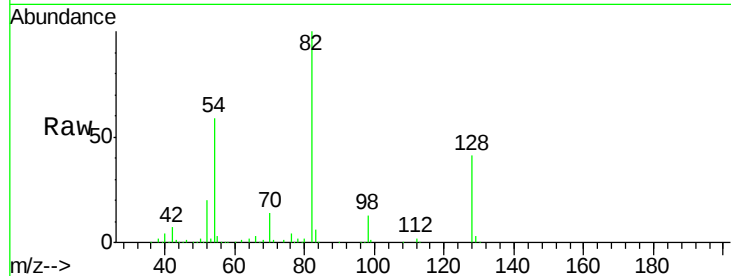




#23  
Nitrobenzene-d5  
Concen: 121.748 ng  
RT: 10.10 min Scan# 1159  
Delta R.T. -0.00 min  
Lab File: BG033171.D  
Acq: 15 Mar 2018 8:16

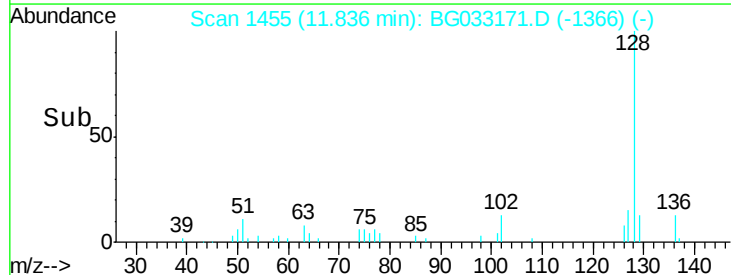
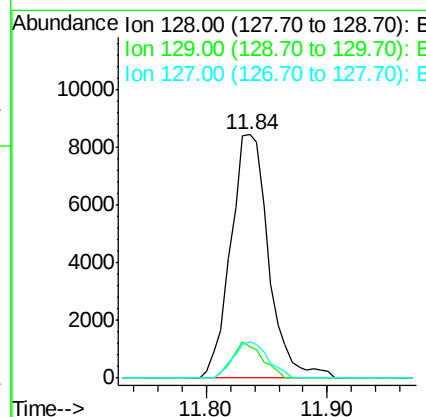
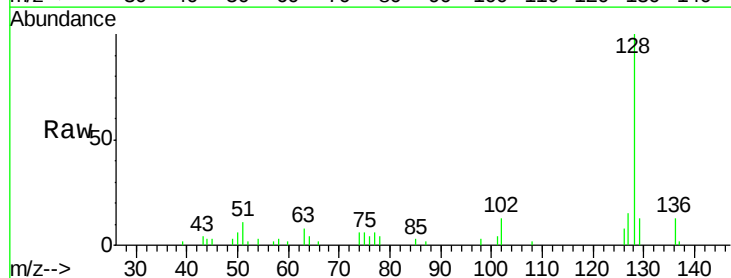
Instrument :  
BNA\_G  
ClientSampleId :  
TP-B

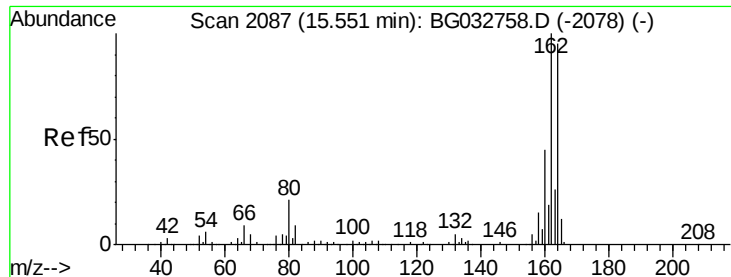
| Tot Ion   | 82    | Resp  | 300664 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 41.4  | 29.7  | 44.5   |
| 54        | 59.3  | 43.1  | 64.7   |



#31  
Naphthalene  
Concen: 2.134 ng  
RT: 11.84 min Scan# 1455  
Delta R.T. -0.00 min  
Lab File: BG033171.D  
Acq: 15 Mar 2018 8:16

| Tgt Ion   | 128   | Resp  | 18381 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 12.6  | 8.6   | 12.8  |
| 127       | 15.0  | 11.6  | 17.4  |





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2081

Delta R.T. -0.00 min

Lab File: BG033171.D

Acq: 15 Mar 2018 8:16

Instrument :

BNA\_G

ClientSampleId :

TP-B

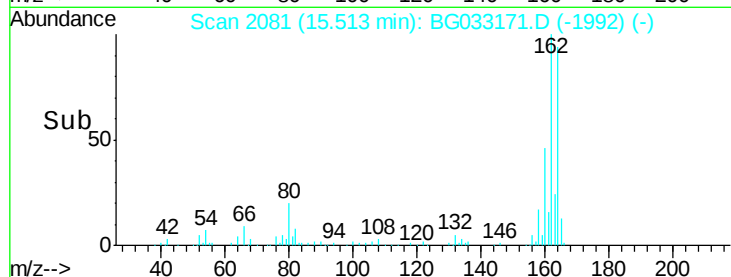
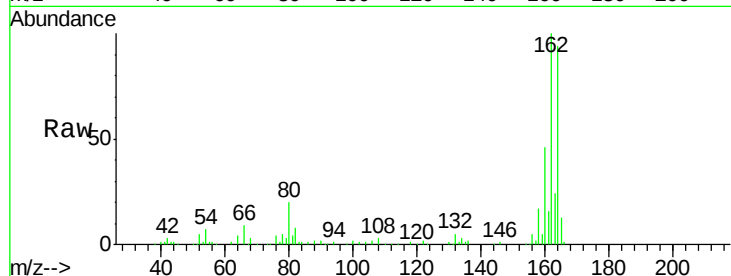
Tot Ion:164 Resp: 101130

Ion Ratio Lower Upper

164 100

162 106.8 78.8 118.2

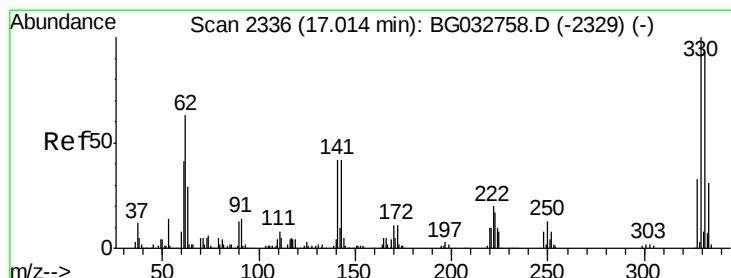
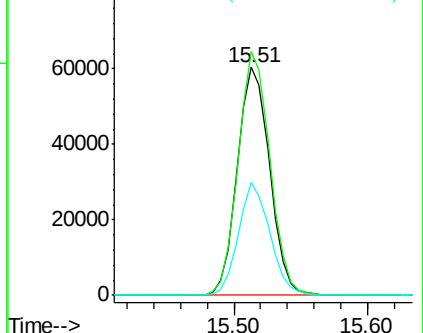
160 49.5 35.4 53.0



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: 227.453 ng

RT: 16.99 min Scan# 2332

Delta R.T. -0.00 min

Lab File: BG033171.D

Acq: 15 Mar 2018 8:16

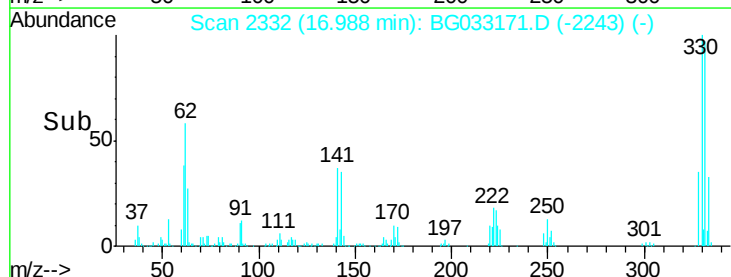
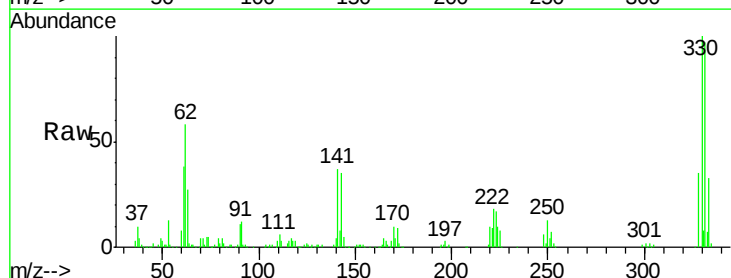
Tgt Ion:330 Resp: 241862

Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

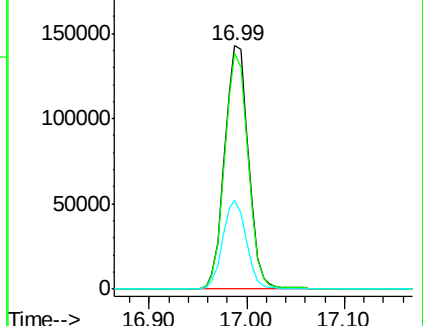
141 36.3 25.2 37.8

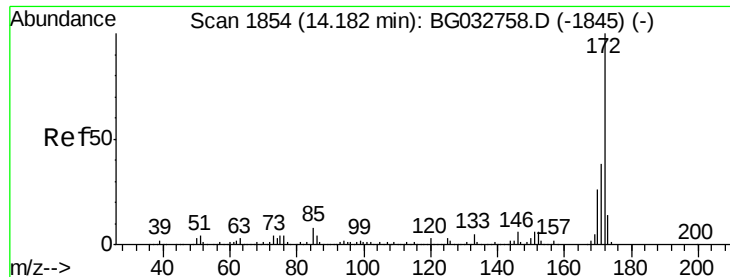


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

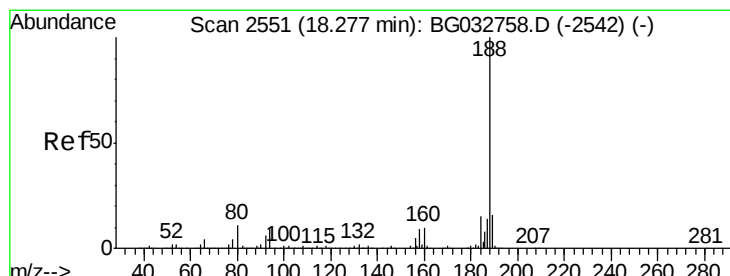
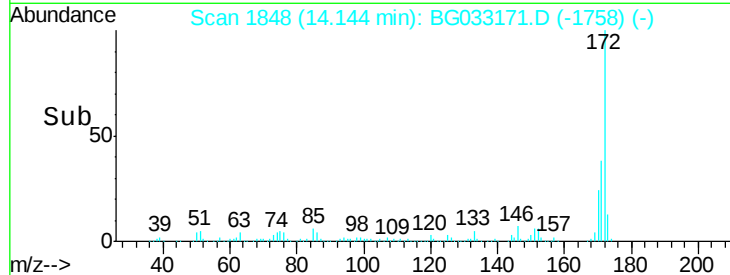
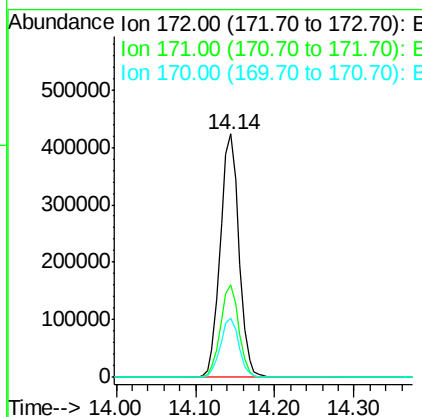
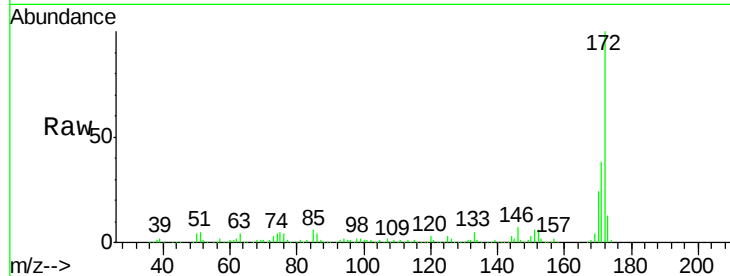




#44  
 2-Fluorobiphenyl  
 Concen: 98.008 ng  
 RT: 14.14 min Scan# 1848  
 Delta R.T. 0.00 min  
 Lab File: BG033171.D  
 Acq: 15 Mar 2018 8:16

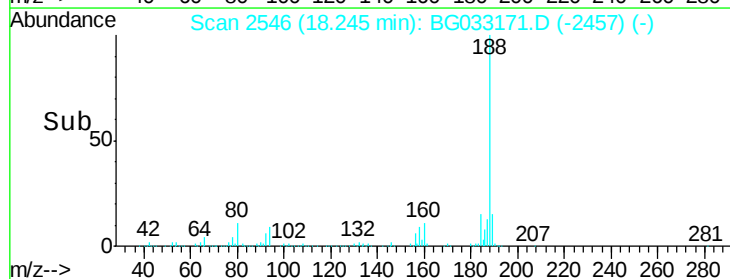
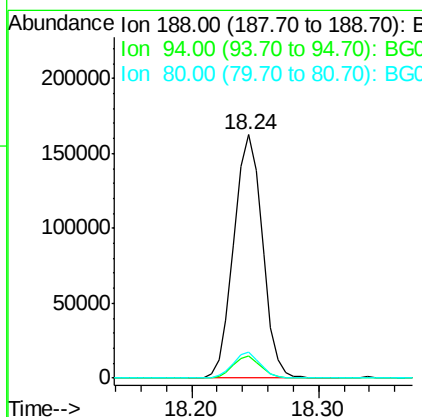
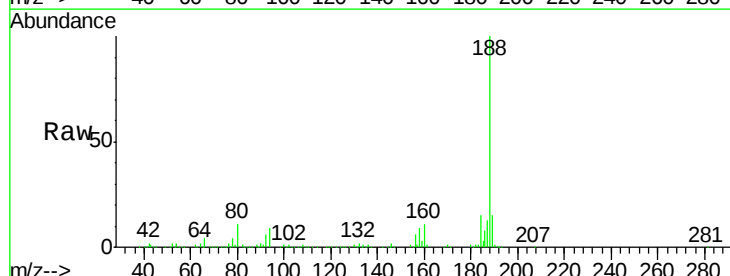
Instrument :  
 BNA\_G  
 ClientSampled :  
 TP-B

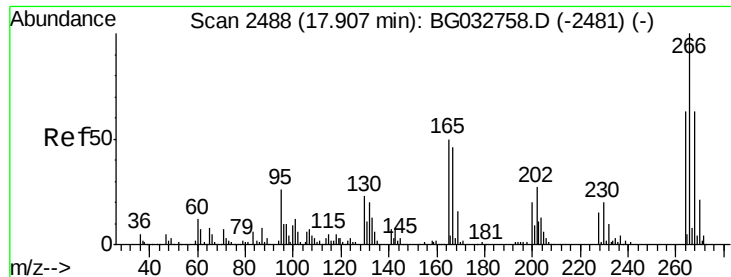
Tot Ion:172 Resp: 687225  
 Ion Ratio Lower Upper  
 172 100  
 171 37.8 30.0 45.0  
 170 24.3 19.5 29.3



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 18.24 min Scan# 2546  
 Delta R.T. -0.00 min  
 Lab File: BG033171.D  
 Acq: 15 Mar 2018 8:16

Tgt Ion:188 Resp: 254196  
 Ion Ratio Lower Upper  
 188 100  
 94 8.9 6.9 10.3  
 80 10.9 7.7 11.5





#69

Pentachlorophenol

Concen: 9.668 ng

RT: 17.89 min Scan# 2485

Delta R.T. 0.00 min

Lab File: BG033171.D

Acq: 15 Mar 2018 8:16

Instrument :

BNA\_G

ClientSampleId :

TP-B

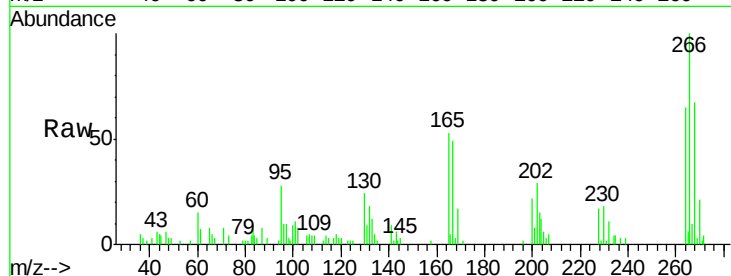
Tot Ion:266 Resp: 17688

Ion Ratio Lower Upper

266 100

268 66.7 51.1 76.7

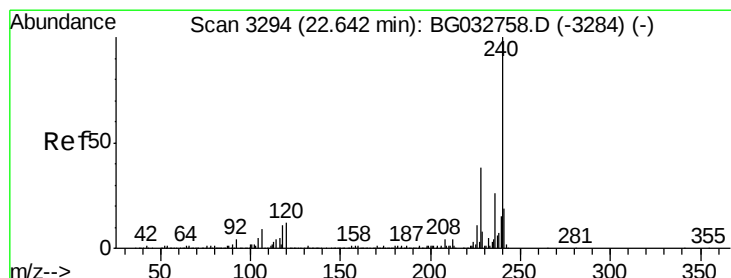
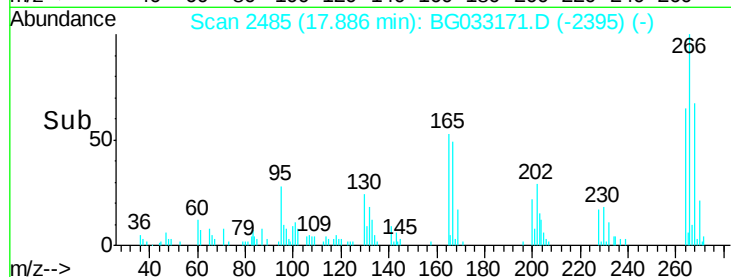
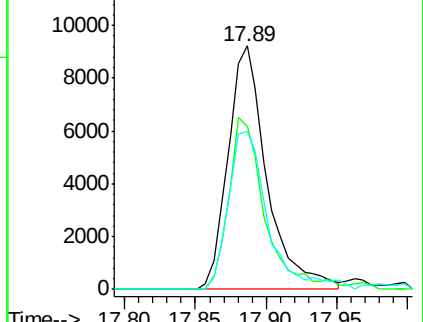
264 64.9 49.6 74.4



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: 22.60 min Scan# 3288

Delta R.T. -0.00 min

Lab File: BG033171.D

Acq: 15 Mar 2018 8:16

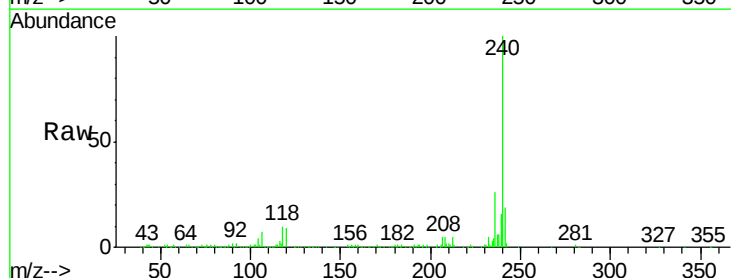
Tgt Ion:240 Resp: 245568

Ion Ratio Lower Upper

240 100

120 9.5 6.8 10.2

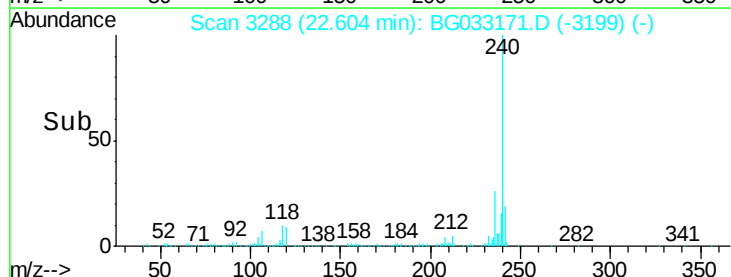
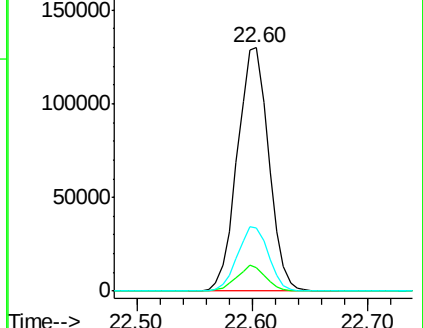
236 25.7 20.9 31.3

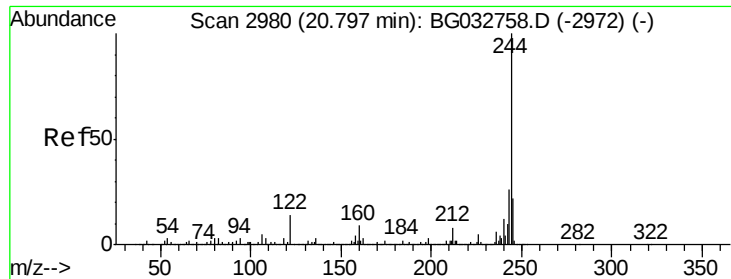


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 116.995 ng

RT: 20.76 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BG033171.D

Acq: 15 Mar 2018 8:16

Instrument :

BNA\_G

ClientSampleId :

TP-B

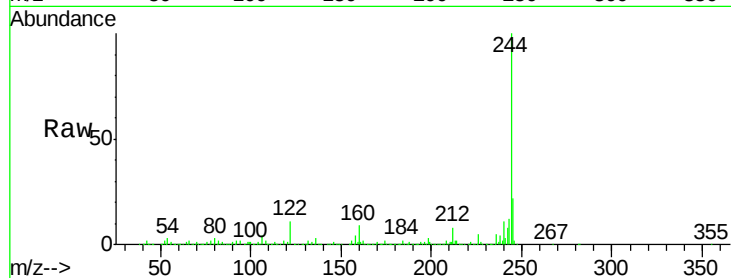
Tot Ion:244 Resp: 1278754

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

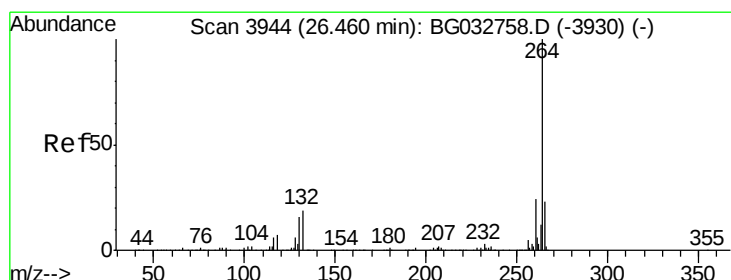
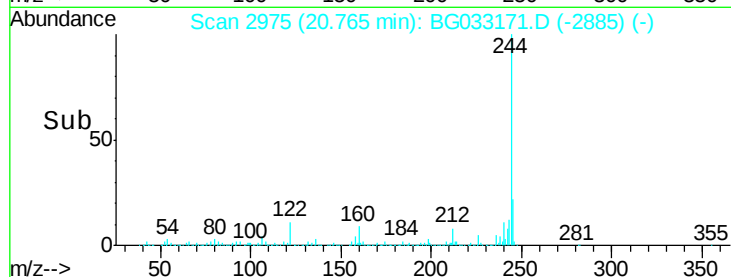
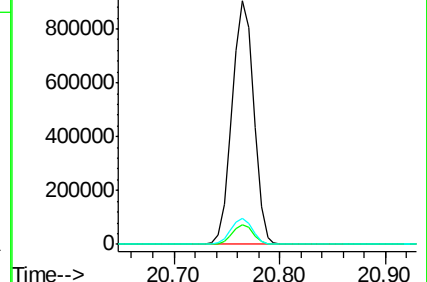
122 10.9 7.0 10.4#



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: 26.40 min Scan# 3935

Delta R.T. -0.00 min

Lab File: BG033171.D

Acq: 15 Mar 2018 8:16

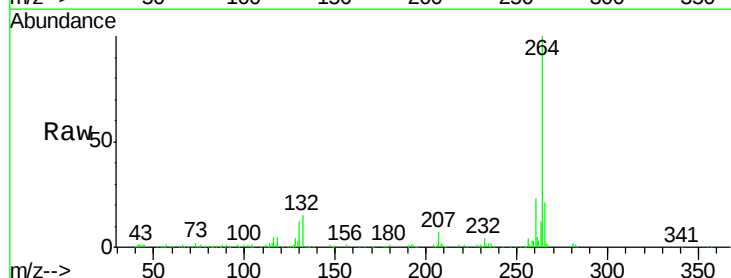
Tgt Ion:264 Resp: 260894

Ion Ratio Lower Upper

264 100

260 23.0 17.4 26.0

265 20.8 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

