

Data File : BG030622.D  
Acq On : 31 Oct 2017 21:21  
Operator : SJ/JU  
Sample : I6178-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
EPE-120-3(40-42)

Quant Time: Nov 01 06:30:08 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG101617.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 16 17:32:15 2017  
Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.16  | 152  | 66598    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.98 | 136  | 316479   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.78 | 164  | 214167   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.52 | 188  | 481747   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.79 | 240  | 514947   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 25.09 | 264  | 511842   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.72  | 112  | 548062   | 137.48 | ng    | 0.00     |
| 7) Phenol-d6                | 7.32  | 99   | 768289   | 137.30 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.33  | 82   | 455551   | 91.47  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.26 | 330  | 386573   | 139.80 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.40 | 172  | 1277570  | 87.49  | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.11 | 244  | 1821394  | 80.47  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.35  | 94   | 59083    | 9.79   | ng    | 95       |
| 49) Dimethylphthalate       | 14.21 | 163  | 256030   | 15.32  | ng    | 99       |

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

Data File : BG030622.D

Acq On : 31 Oct 2017 21:21

Operator : SJ/JU

Sample : I6178-05

Misc :

ALS Vial : 13 Sample Multiplier: 1

Instrument :

BNA\_G

ClientSampleId :

EPE-120-3(40-42)

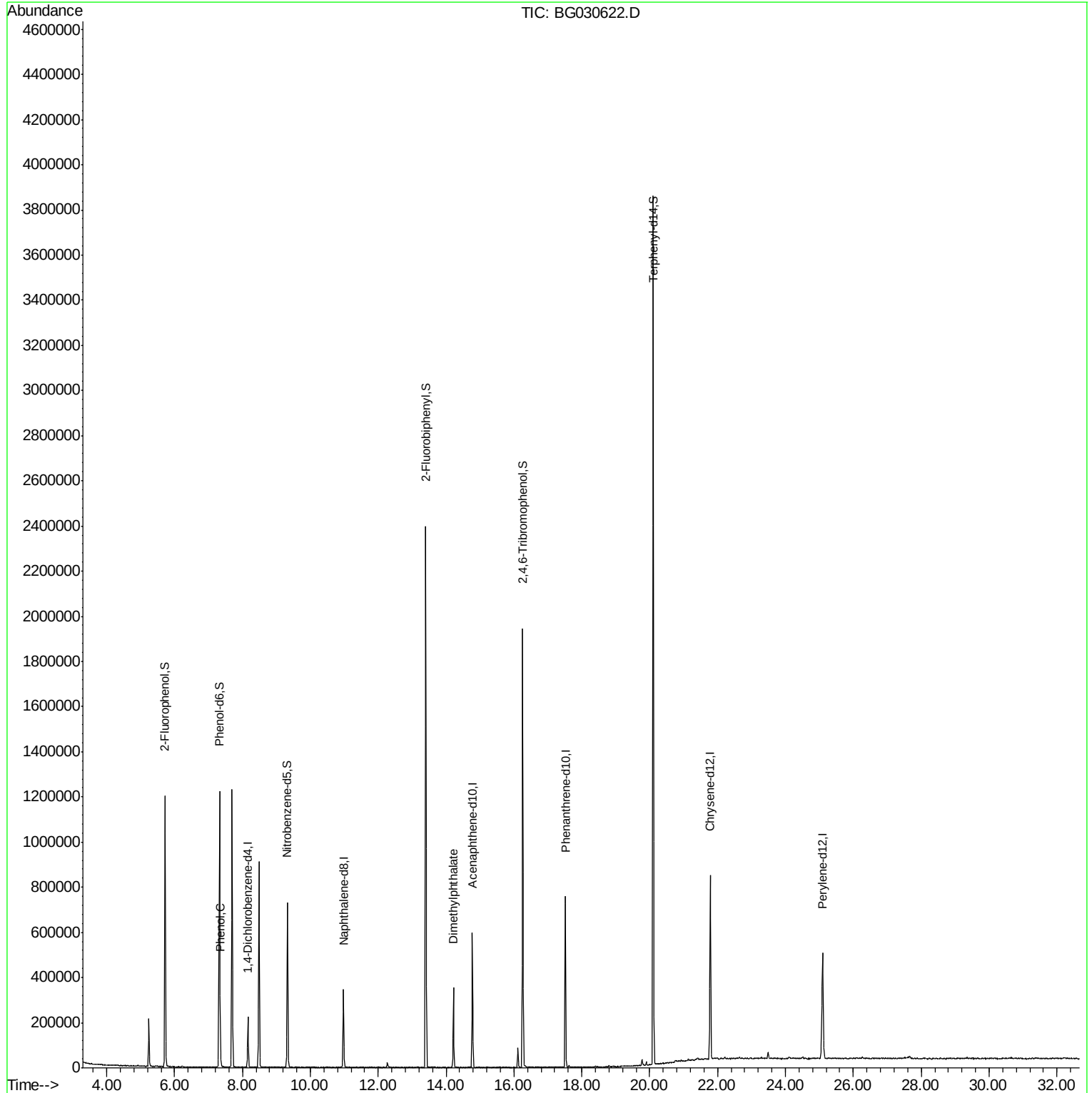
Quant Time: Nov 01 06:30:08 2017

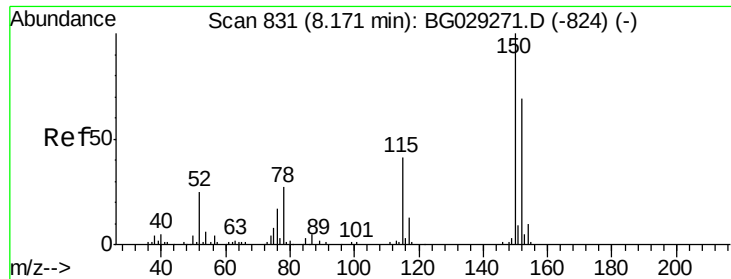
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG101617.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Oct 16 17:32:15 2017

Response via : Initial Calibration



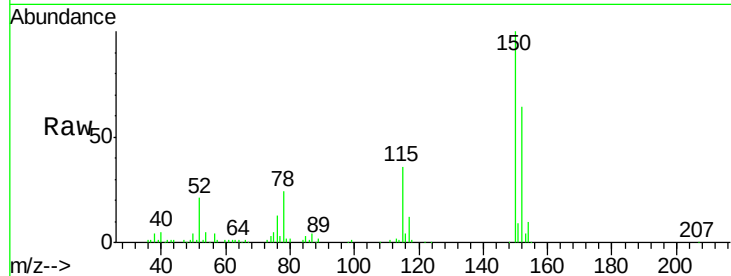


#1

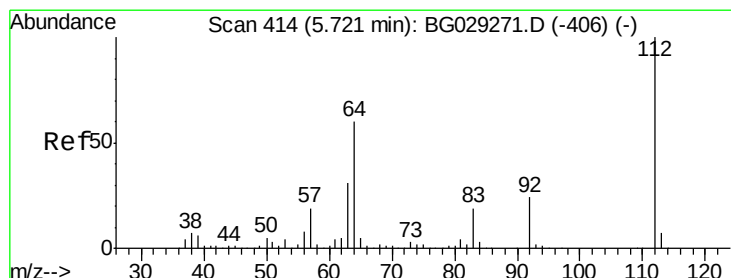
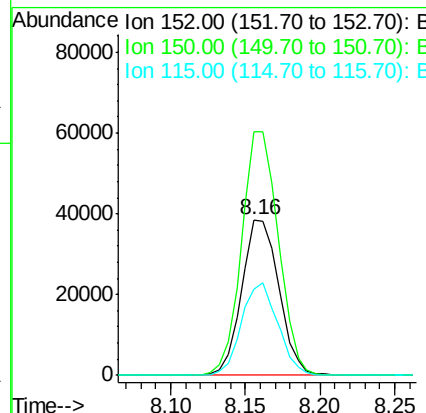
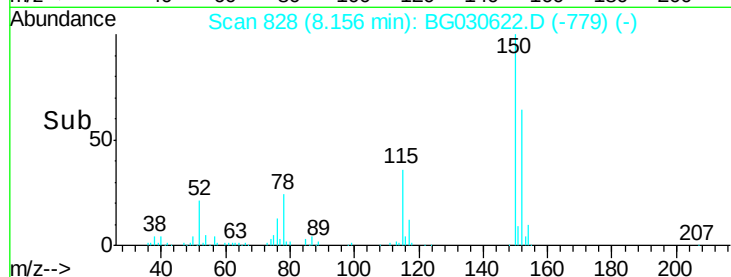
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.16 min Scan# 828  
Delta R.T. -0.01 min  
Lab File: BG030622.D  
Acq: 31 Oct 2017 21:21

Instrument :  
BNA\_G  
ClientSampleId :  
EPE-120-3(40-42)

Tgt Ion:152 Resp: 66598  
Ion Ratio Lower Upper  
152 100  
150 156.0 126.6 189.8  
115 55.5 53.0 79.4



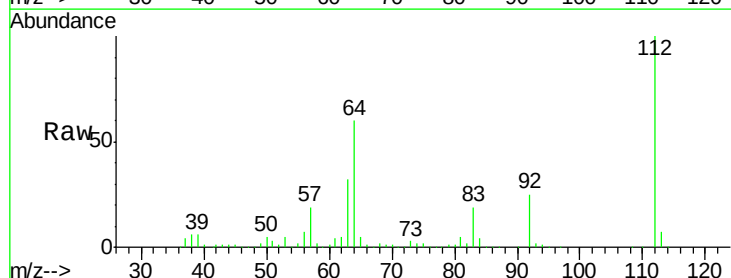
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



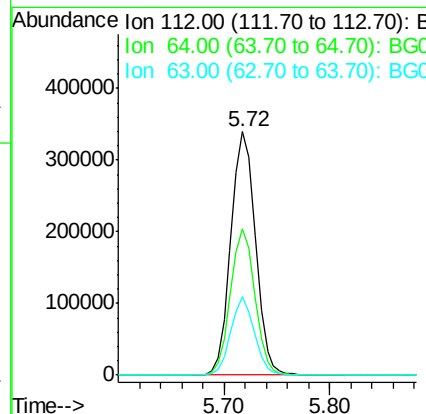
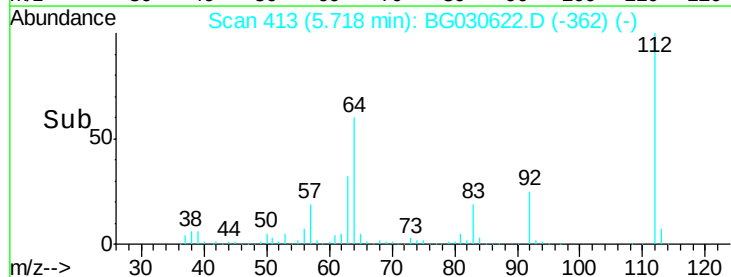
#5

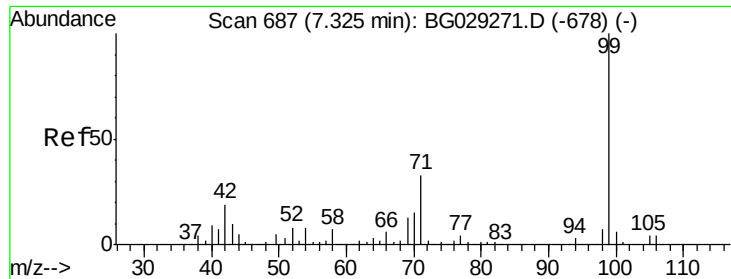
2-Fluorophenol  
Concen: 137.48 ng  
RT: 5.72 min Scan# 413  
Delta R.T. -0.00 min  
Lab File: BG030622.D  
Acq: 31 Oct 2017 21:21

Tgt Ion:112 Resp: 548062  
Ion Ratio Lower Upper  
112 100  
64 60.3 56.3 84.5  
63 32.2 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: 137.30 ng

RT: 7.32 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG030622.D

Acq: 31 Oct 2017 21:21

Instrument :

BNA\_G

ClientSampleId :

EPE-120-3(40-42)

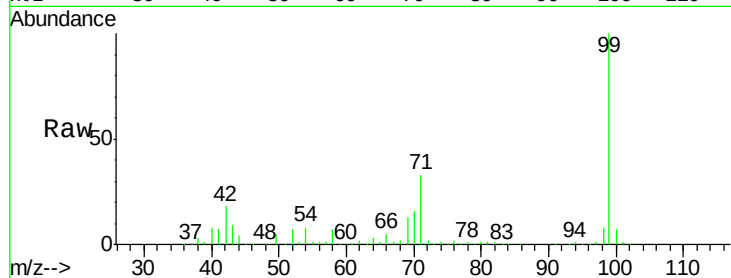
Tgt Ion: 99 Resp: 768289

Ion Ratio Lower Upper

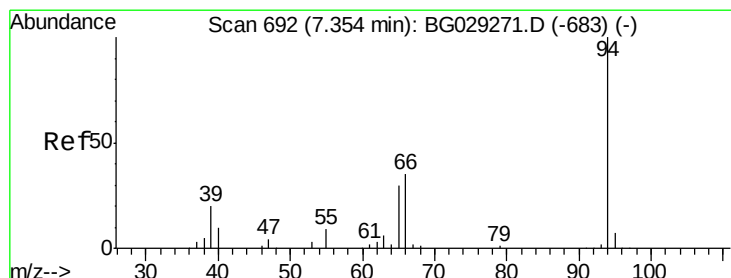
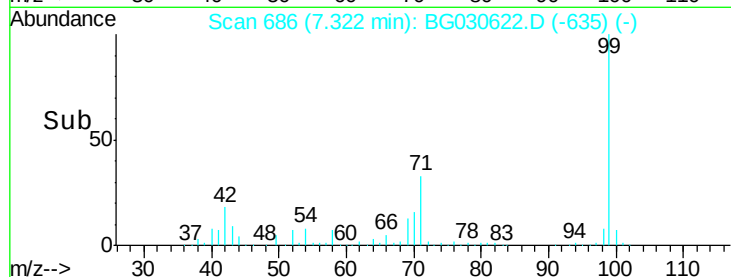
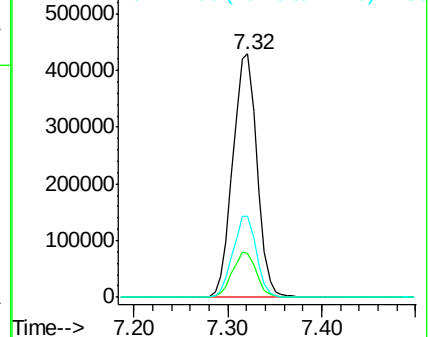
99 100

42 17.9 14.1 21.1

71 33.3 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: 9.79 ng

RT: 7.35 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG030622.D

Acq: 31 Oct 2017 21:21

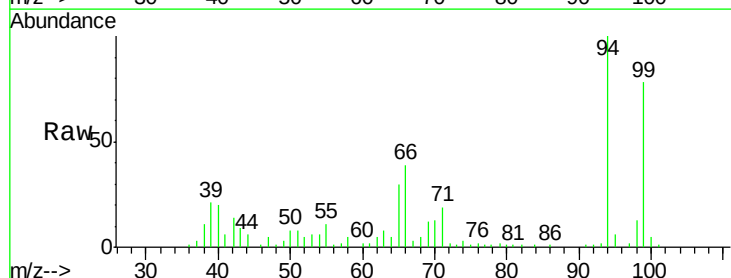
Tgt Ion: 94 Resp: 59083

Ion Ratio Lower Upper

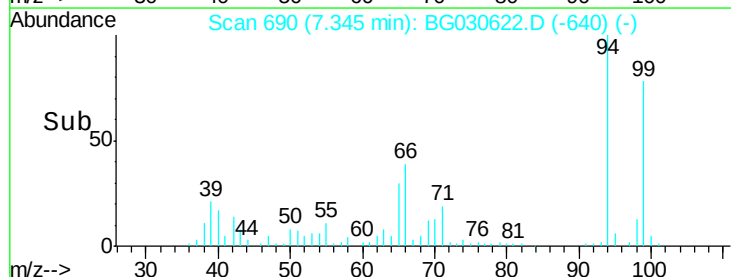
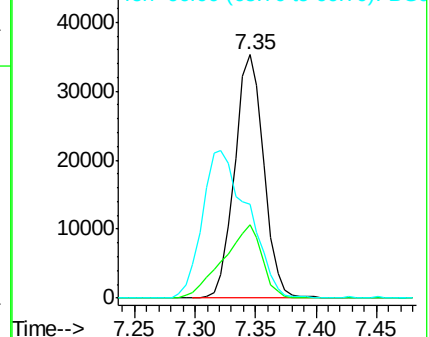
94 100

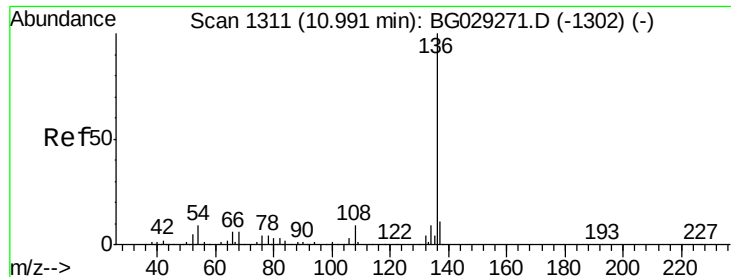
65 30.1 11.9 51.9

66 38.6 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

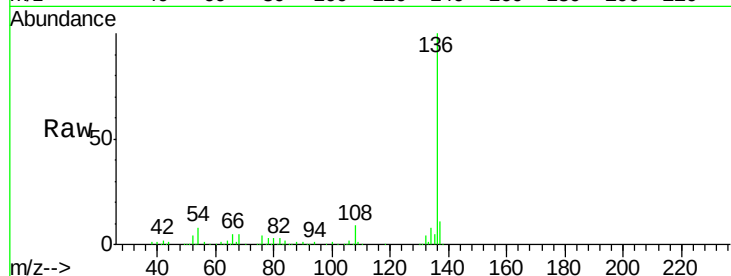




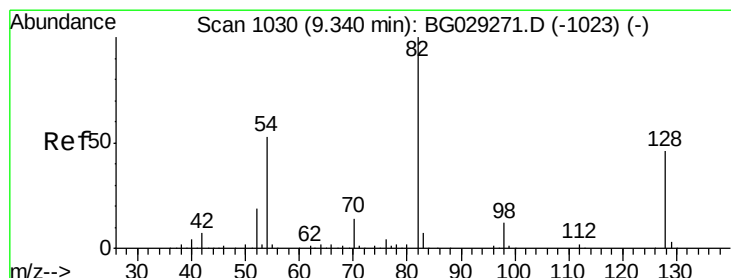
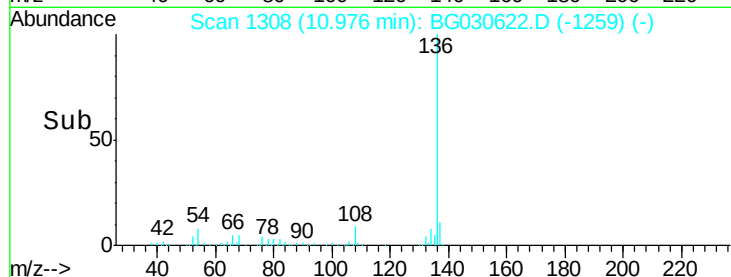
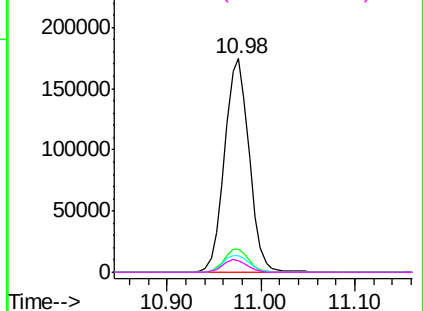
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.98 min Scan# 1308  
Delta R.T. -0.01 min  
Lab File: BG030622.D  
Acq: 31 Oct 2017 21:21

Instrument :  
BNA\_G  
ClientSampleId :  
EPE-120-3(40-42)

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 316479 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 9.2   | 13.8   |
| 54       | 7.7   | 10.3  | 15.5#  |
| 68       | 5.2   | 4.5   | 6.7    |

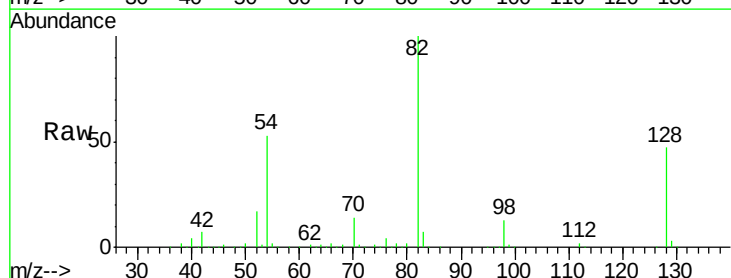


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

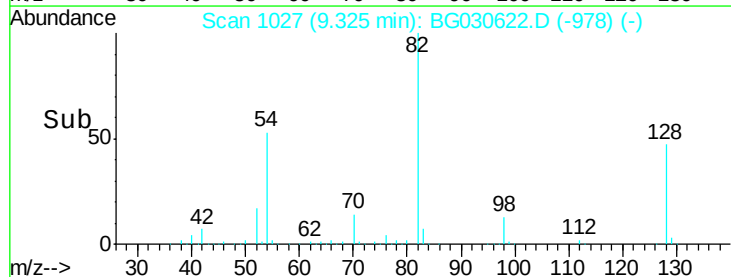
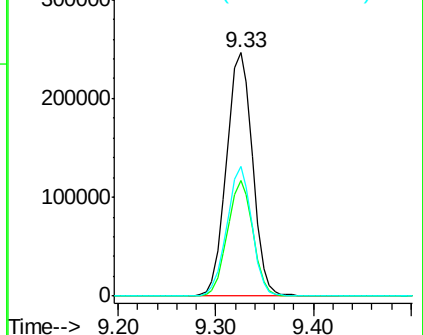


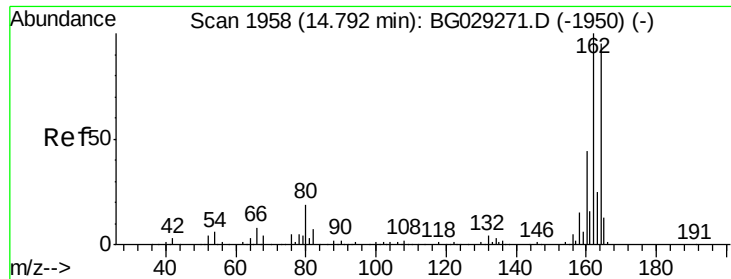
#23  
Nitrobenzene-d5  
Concen: 91.47 ng  
RT: 9.33 min Scan# 1027  
Delta R.T. -0.01 min  
Lab File: BG030622.D  
Acq: 31 Oct 2017 21:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 455551 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 47.5  | 29.7  | 44.5#  |
| 54       | 53.1  | 43.1  | 64.7   |



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

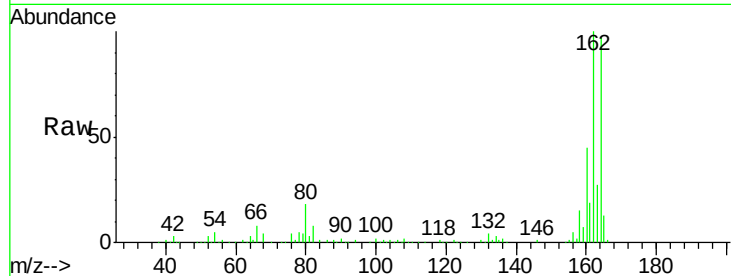




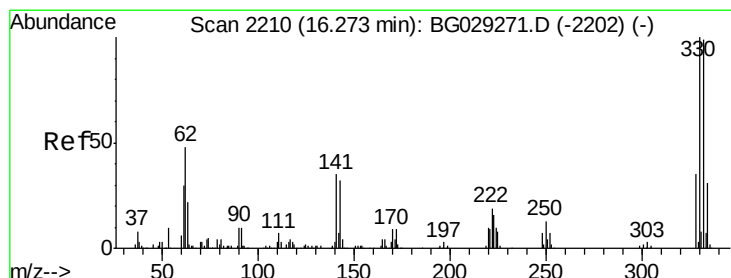
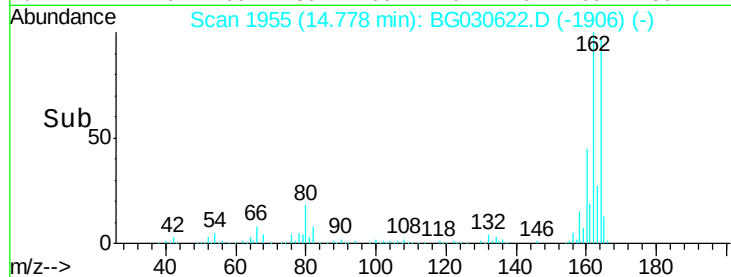
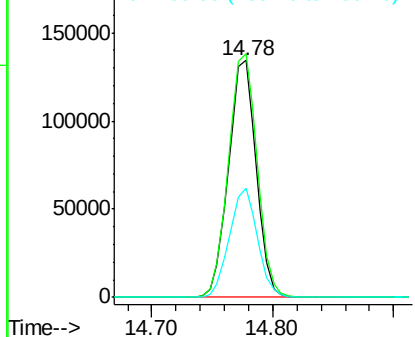
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.78 min Scan# 1955  
Delta R.T. -0.01 min  
Lab File: BG030622.D  
Acq: 31 Oct 2017 21:21

Instrument :  
BNA\_G  
ClientSampleId :  
EPE-120-3(40-42)

Tgt Ion:164 Resp: 214167  
Ion Ratio Lower Upper  
164 100  
162 102.8 78.8 118.2  
160 46.3 35.4 53.0

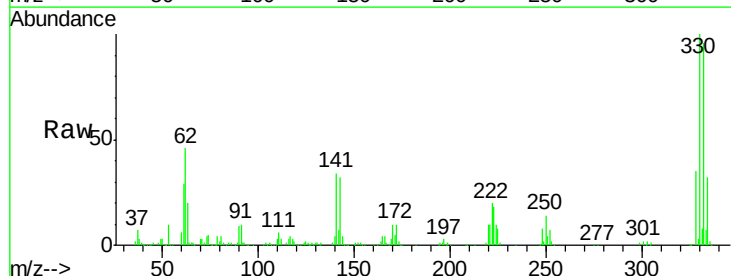


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

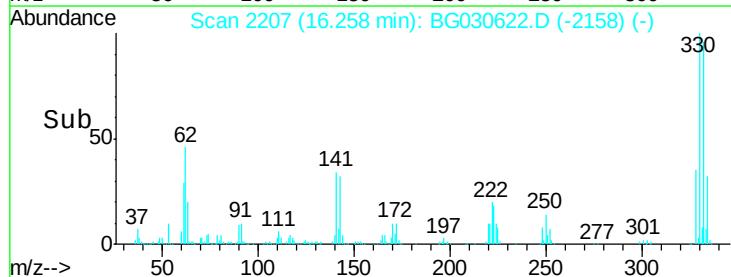
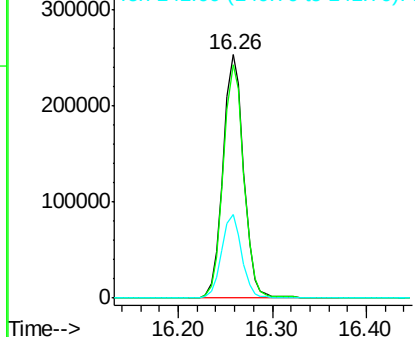


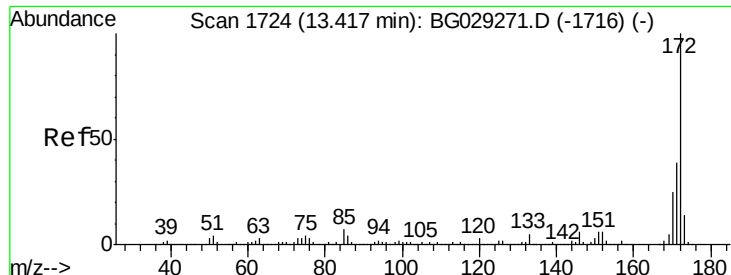
#41  
2,4,6-Tribromophenol  
Concen: 139.80 ng  
RT: 16.26 min Scan# 2207  
Delta R.T. -0.01 min  
Lab File: BG030622.D  
Acq: 31 Oct 2017 21:21

Tgt Ion:330 Resp: 386573  
Ion Ratio Lower Upper  
330 100  
332 96.6 77.0 115.6  
141 33.6 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

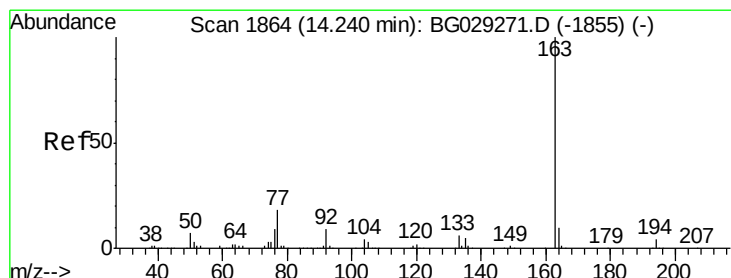
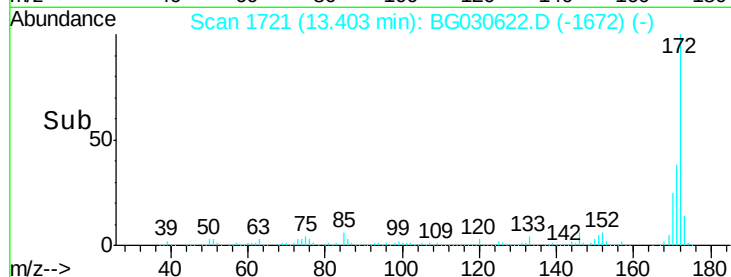
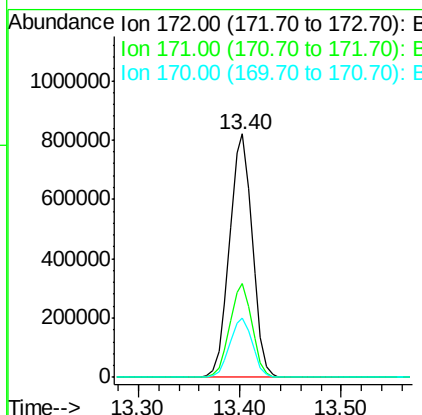
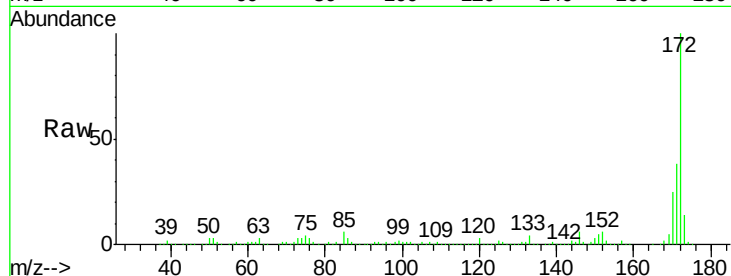




#44  
 2-Fluorobiphenyl  
 Concen: 87.49 ng  
 RT: 13.40 min Scan# 1721  
 Delta R.T. -0.01 min  
 Lab File: BG030622.D  
 Acq: 31 Oct 2017 21:21

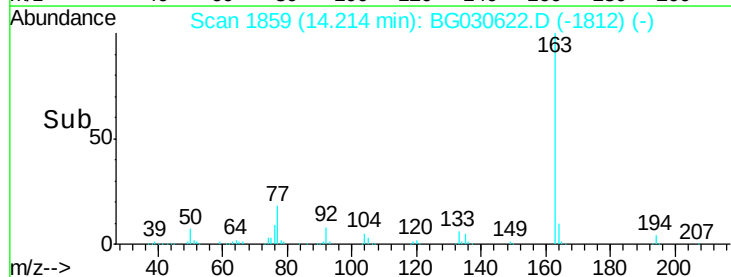
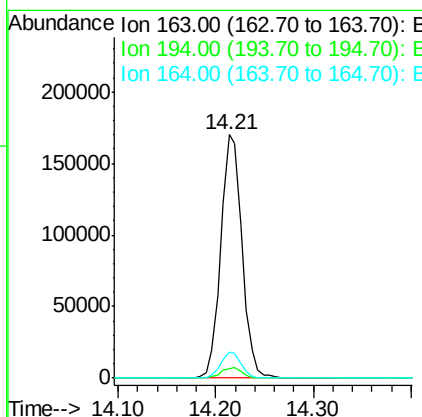
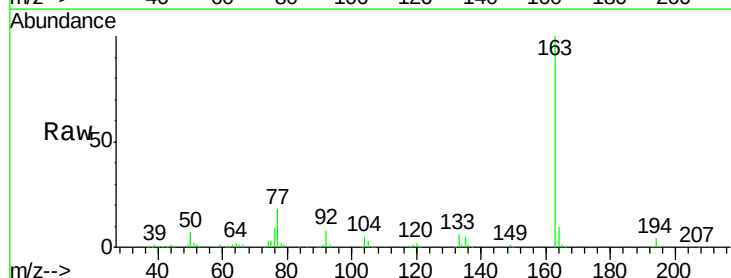
Instrument :  
 BNA\_G  
 ClientSampleId :  
 EPE-120-3(40-42)

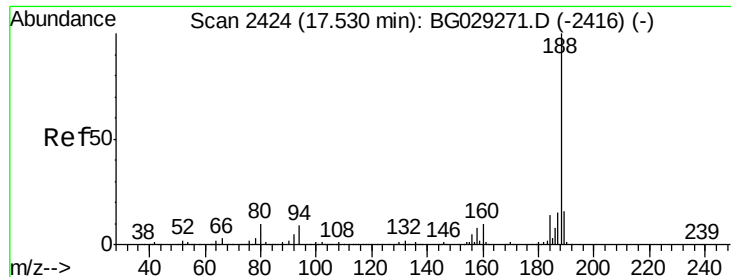
Tgt Ion:172 Resp: 1277570  
 Ion Ratio Lower Upper  
 172 100  
 171 38.4 30.0 45.0  
 170 24.5 19.5 29.3



#49  
 Dimethylphthalate  
 Concen: 15.32 ng  
 RT: 14.21 min Scan# 1859  
 Delta R.T. -0.03 min  
 Lab File: BG030622.D  
 Acq: 31 Oct 2017 21:21

Tgt Ion:163 Resp: 256030  
 Ion Ratio Lower Upper  
 163 100  
 194 3.8 3.4 5.2  
 164 10.5 8.2 12.4

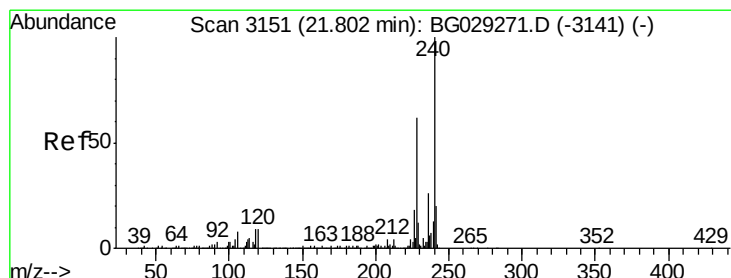
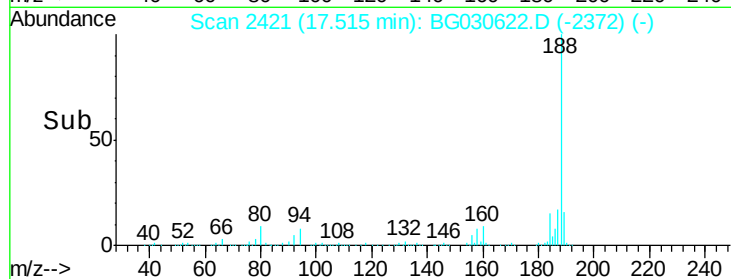
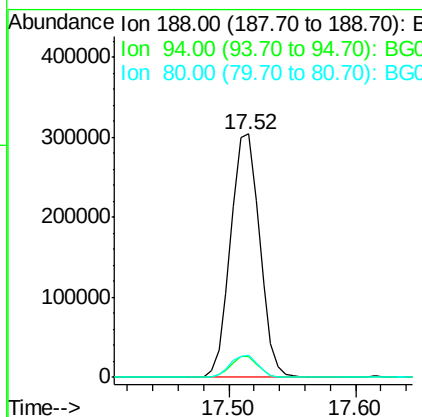
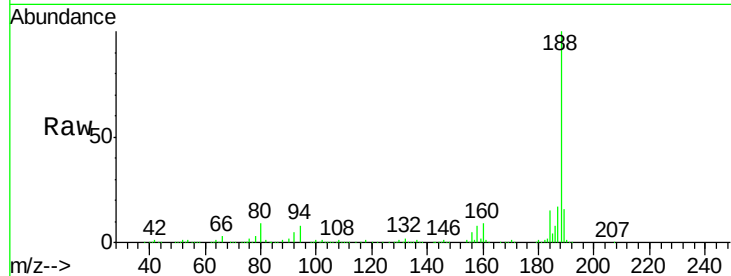




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.52 min Scan# 2421  
Delta R.T. -0.01 min  
Lab File: BG030622.D  
Acq: 31 Oct 2017 21:21

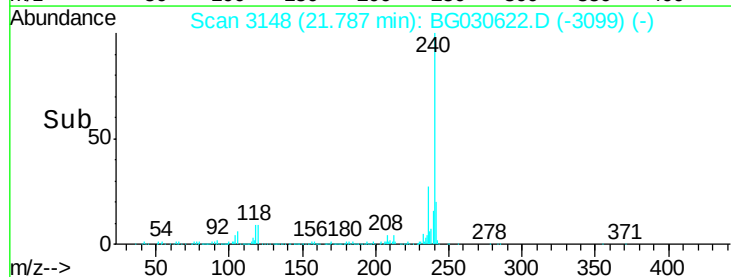
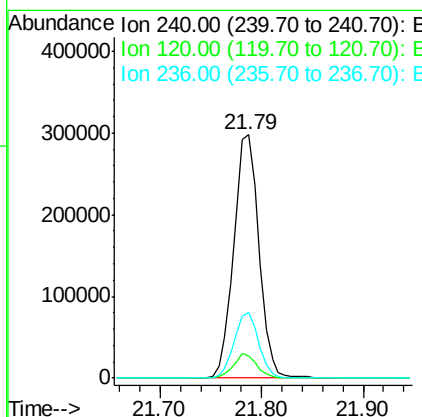
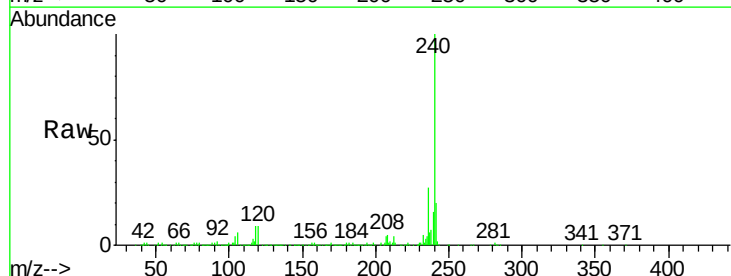
Instrument :  
BNA\_G  
ClientSampleId :  
EPE-120-3(40-42)

Tgt Ion:188 Resp: 481747  
Ion Ratio Lower Upper  
188 100  
94 8.4 6.9 10.3  
80 9.0 7.7 11.5

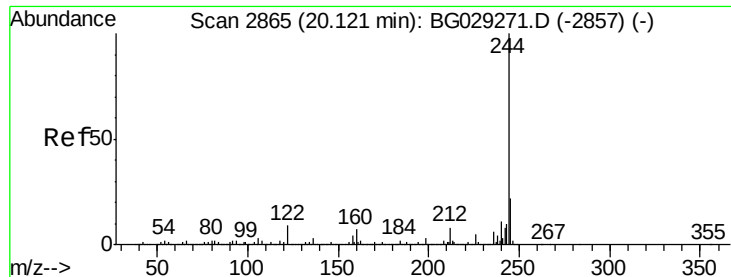


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.79 min Scan# 3148  
Delta R.T. -0.01 min  
Lab File: BG030622.D  
Acq: 31 Oct 2017 21:21

Tgt Ion:240 Resp: 514947  
Ion Ratio Lower Upper  
240 100  
120 8.9 6.8 10.2  
236 26.9 20.9 31.3







#78

Terphenyl-d14

Concen: 80.47 ng

RT: 20.11 min Scan# 2862

Delta R.T. -0.01 min

Lab File: BG030622.D

Acq: 31 Oct 2017 21:21

Instrument :

BNA\_G

ClientSampleId :

EPE-120-3(40-42)

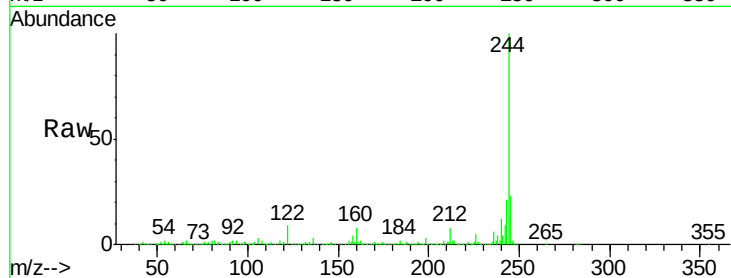
Tgt Ion:244 Resp: 1821394

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

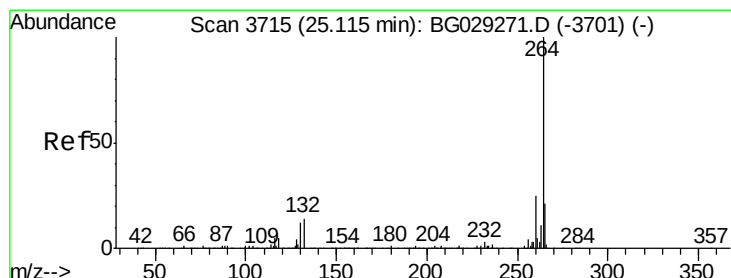
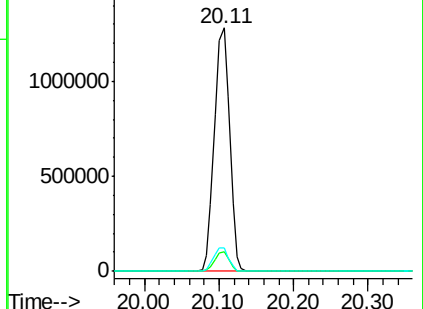
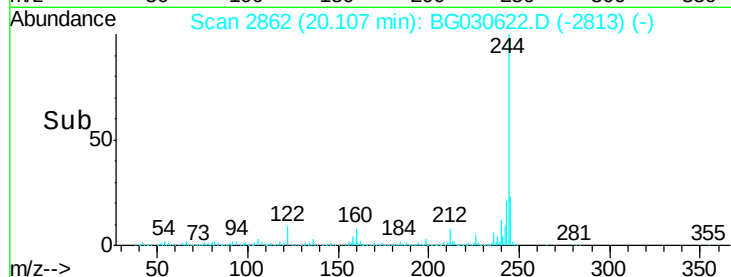
122 9.4 7.0 10.4



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.09 min Scan# 3711

Delta R.T. -0.02 min

Lab File: BG030622.D

Acq: 31 Oct 2017 21:21

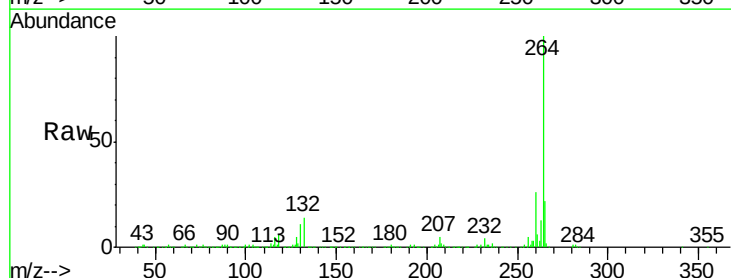
Tgt Ion:264 Resp: 511842

Ion Ratio Lower Upper

264 100

260 26.2 17.4 26.0#

265 21.5 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

