

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG022218\  
 Data File : BG032787.D  
 Acq On : 22 Feb 2018 18:58  
 Operator : SJ/JU  
 Sample : J1637-03  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FRAC-TANK-A124

Quant Time: Feb 23 01:13:28 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 21 15:45:53 2018  
 Response via : Initial Calibration

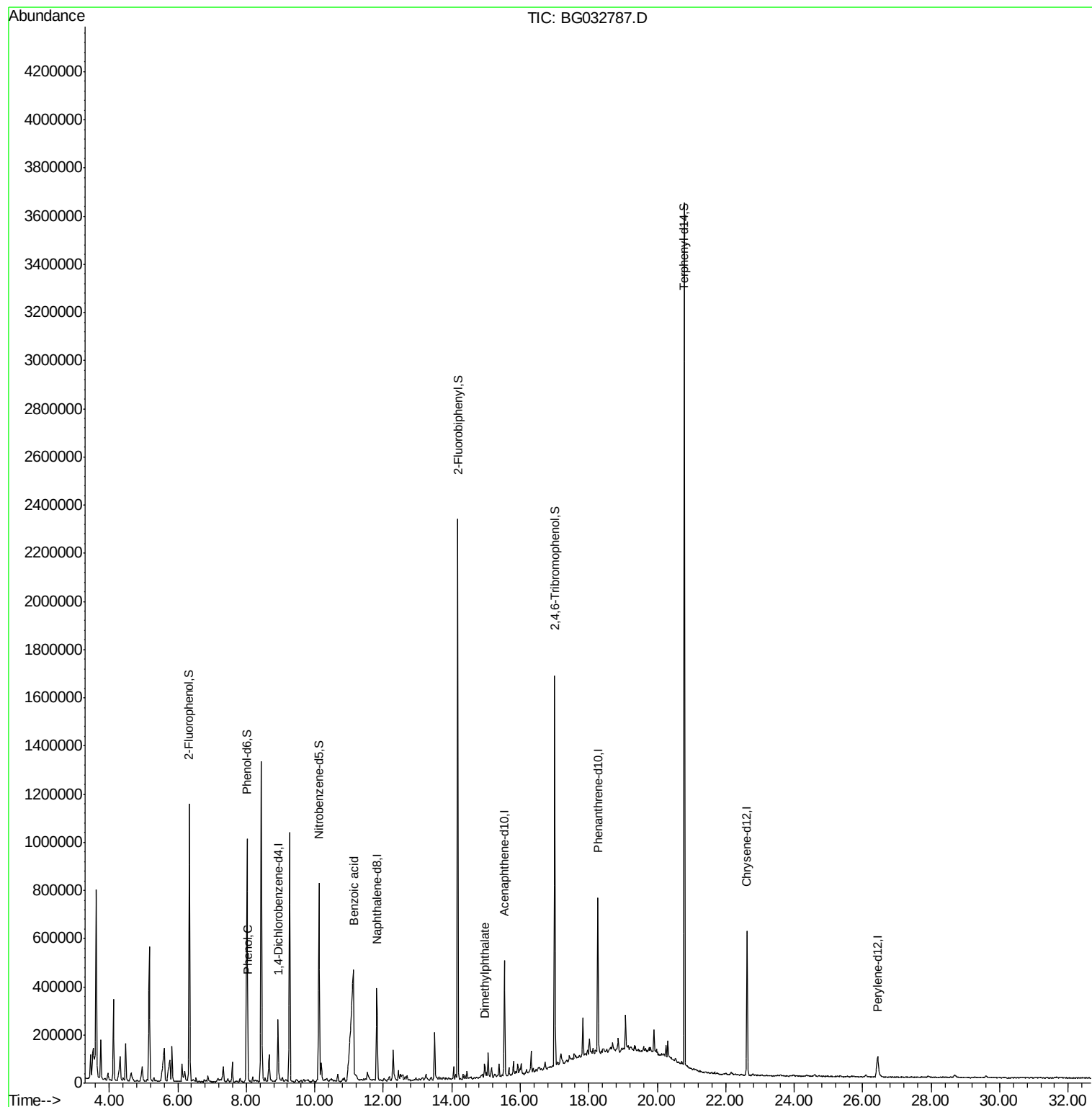
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|-------|------|----------|---------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.93  | 152  | 78274    | 20.00   | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.81 | 136  | 348832   | 20.00   | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.54 | 164  | 155747   | 20.00   | ng    | -0.02    |
| 63) Phenanthrene-d10        | 18.27 | 188  | 405207   | 20.00   | ng    | 0.00     |
| 75) Chrysene-d12            | 22.62 | 240  | 380640   | 20.00   | ng    | -0.02    |
| 86) Perylene-d12            | 26.43 | 264  | 77645    | 20.00   | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |         |       |          |
| 5) 2-Fluorophenol           | 6.34  | 112  | 579413   | 118.43  | ng    | 0.00     |
| 7) Phenol-d6                | 8.02  | 99   | 651158   | 95.48   | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 10.13 | 82   | 515938   | 100.58  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 17.00 | 330  | 290440   | 177.35  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 14.17 | 172  | 1177949  | 109.08  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.79 | 244  | 1569843  | 92.66   | ng    | 0.00     |
| Target Compounds            |       |      |          |         |       |          |
| 10) Phenol                  | 8.05  | 94   | 30914    | 4.497   | ng    | 94       |
| 32) Benzoic acid            | 11.13 | 122  | 558861   | 110.290 | ng    | # 84     |
| 49) Dimethylphthalate       | 14.96 | 163  | 34029    | 2.573   | ng    | 96       |

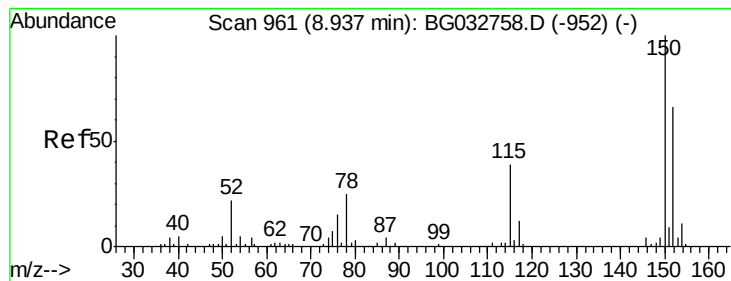
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG022218\  
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Instrument :  
BNA\_G  
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FRAC-TANK-A124

Quant Time: Feb 23 01:13:28 2018  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Feb 21 15:45:53 2018  
Response via : Initial Calibration



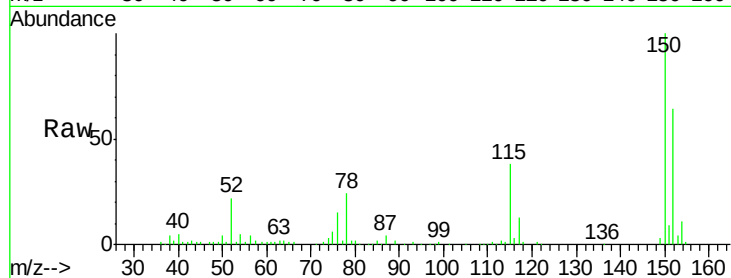


#1

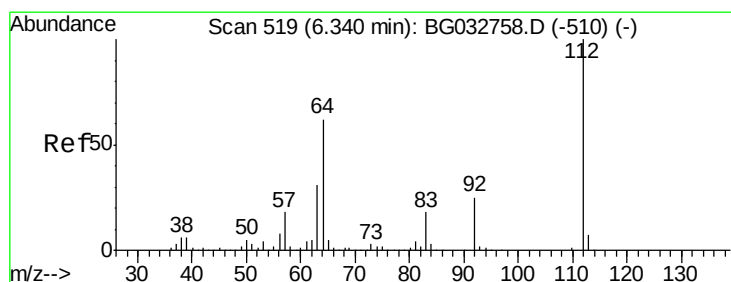
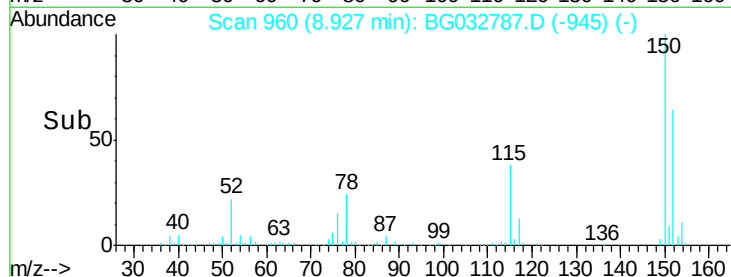
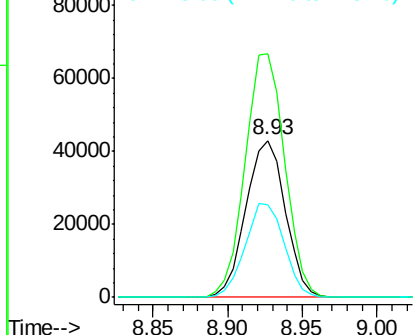
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.93 min Scan# 960  
Delta R.T. -0.01 min  
Lab File: BG032787.D  
Acq: 22 Feb 2018 18:58

Instrument :  
BNA\_G  
ClientSampleId :  
FRAC-TANK-A124

Tot Ion:152 Resp: 78274  
Ion Ratio Lower Upper  
152 100  
150 155.3 126.6 189.8  
115 59.1 53.0 79.4



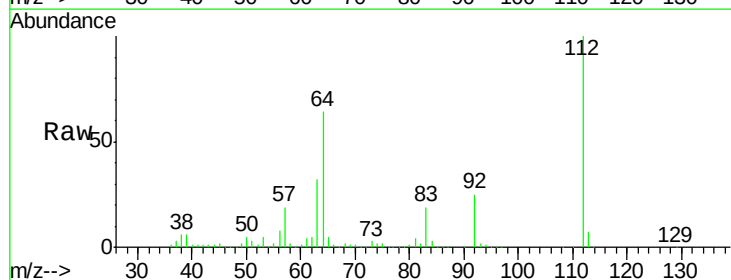
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



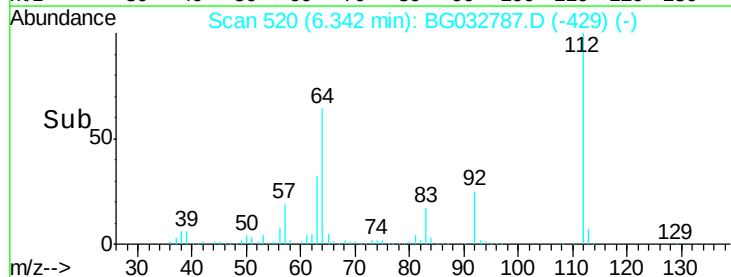
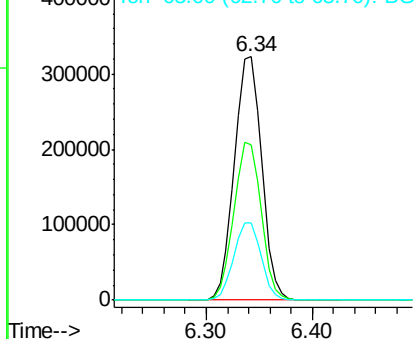
#5

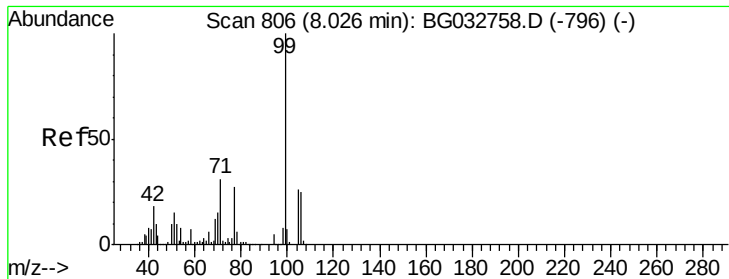
2-Fluorophenol  
Concen: 118.427 ng  
RT: 6.34 min Scan# 520  
Delta R.T. 0.00 min  
Lab File: BG032787.D  
Acq: 22 Feb 2018 18:58

Tgt Ion:112 Resp: 579413  
Ion Ratio Lower Upper  
112 100  
64 63.8 56.3 84.5  
63 31.7 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: 95.484 ng

RT: 8.02 min Scan# 805

Delta R.T. -0.01 min

Lab File: BG032787.D

Acq: 22 Feb 2018 18:58

Instrument :

BNA\_G

ClientSampleId :

FRAC-TANK-A124

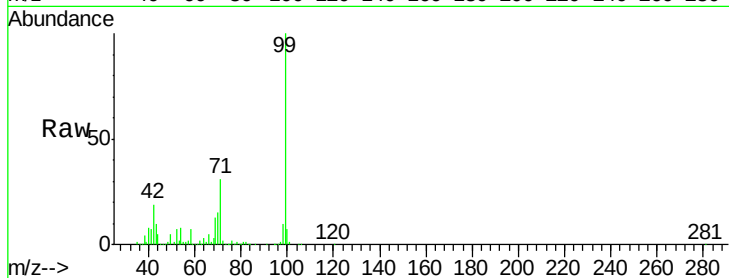
Tot Ion: 99 Resp: 651158

Ion Ratio Lower Upper

99 100

42 18.9 14.1 21.1

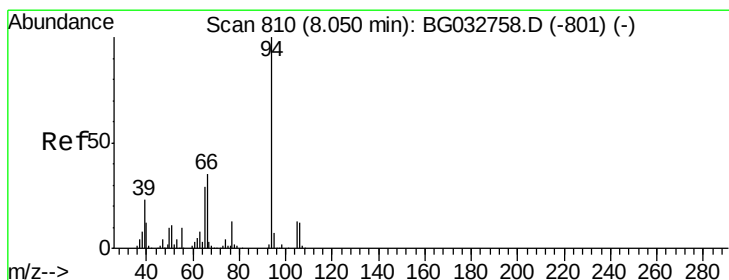
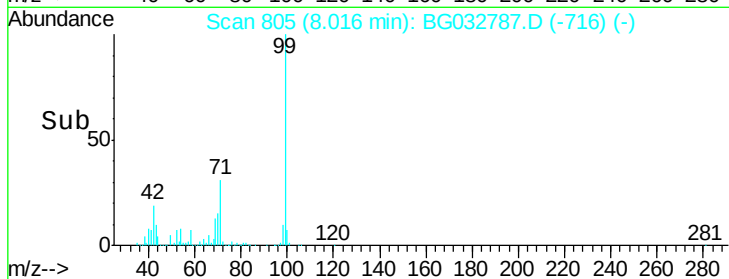
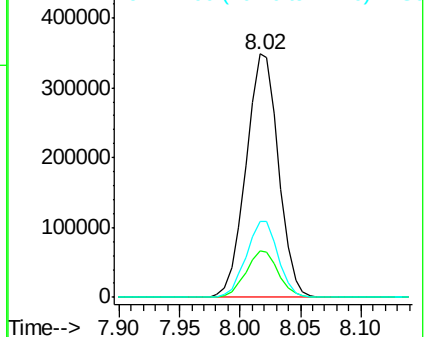
71 31.1 26.1 39.1



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: 4.497 ng

RT: 8.05 min Scan# 810

Delta R.T. -0.00 min

Lab File: BG032787.D

Acq: 22 Feb 2018 18:58

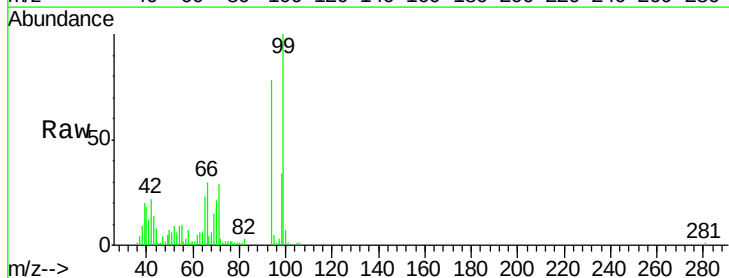
Tgt Ion: 94 Resp: 30914

Ion Ratio Lower Upper

94 100

65 29.2 11.9 51.9

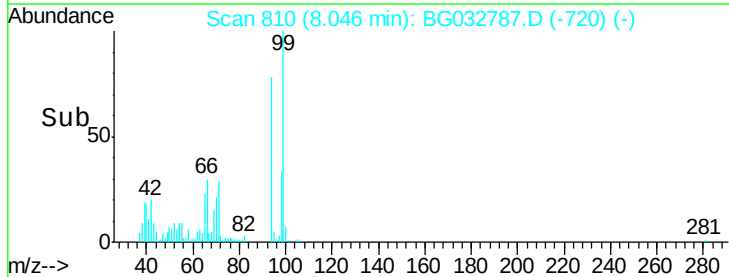
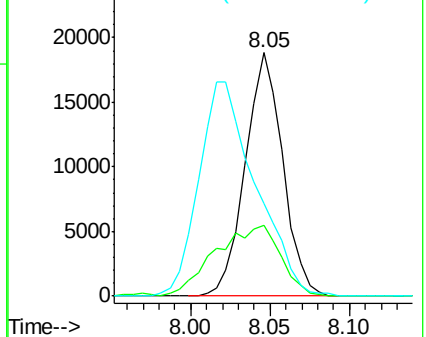
66 38.0 22.2 62.2

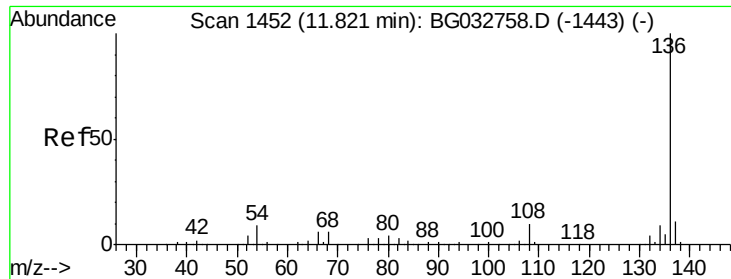


Abundance Ion 94.00 (93.70 to 94.70): BGC

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: 11.81 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BG032787.D

Acq: 22 Feb 2018 18:58

Instrument :

BNA\_G

ClientSampleId :

FRAC-TANK-A124

Tot Ion:136 Resp: 348832

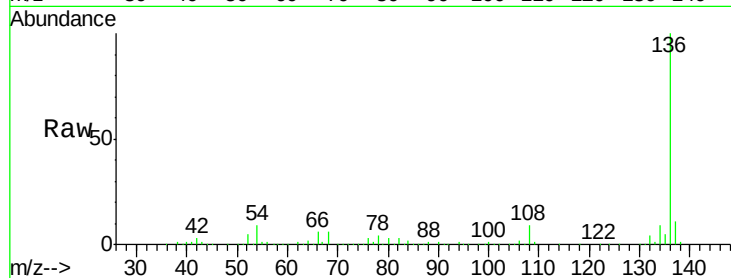
Ion Ratio Lower Upper

136 100

137 10.5 9.2 13.8

54 9.1 10.3 15.5#

68 6.1 4.5 6.7

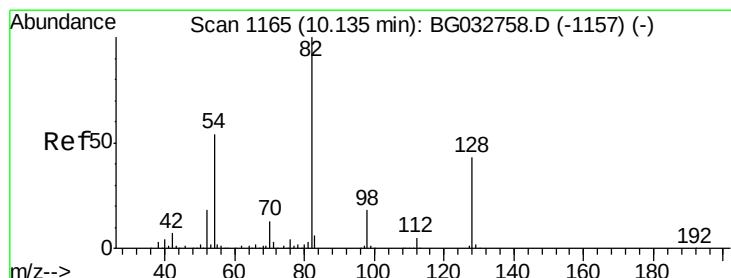
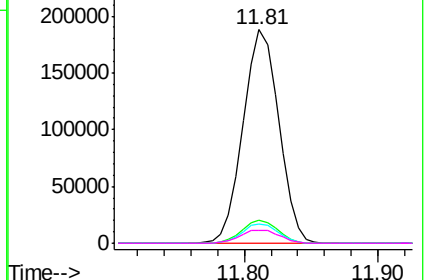
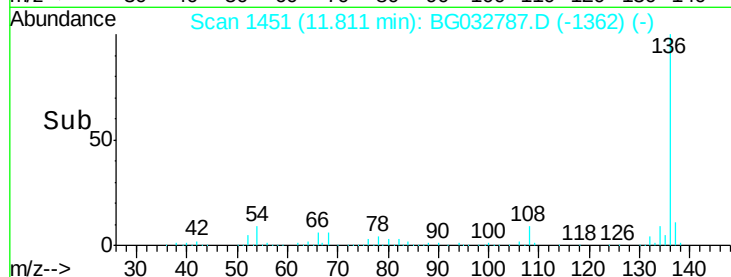


Abundance Ion 136.00 (135.70 to 136.70): E

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: 100.582 ng

RT: 10.13 min Scan# 1164

Delta R.T. -0.01 min

Lab File: BG032787.D

Acq: 22 Feb 2018 18:58

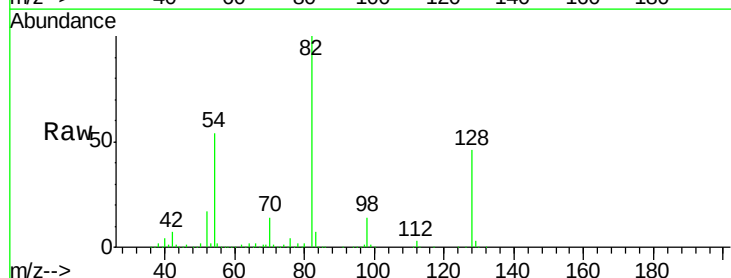
Tgt Ion: 82 Resp: 515938

Ion Ratio Lower Upper

82 100

128 45.6 29.7 44.5#

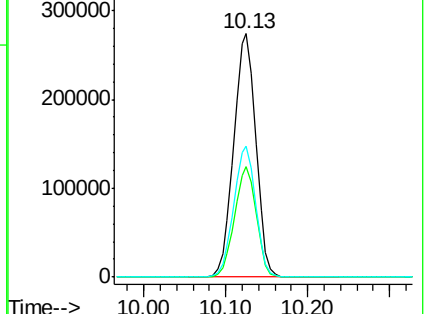
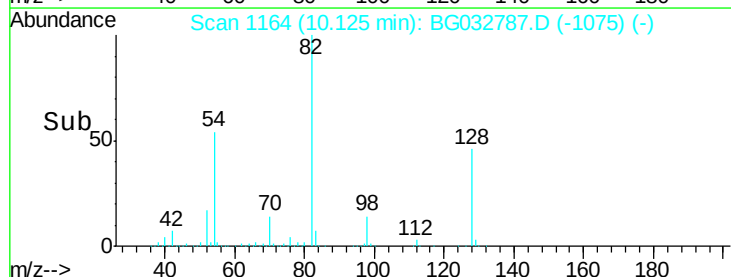
54 53.8 43.1 64.7

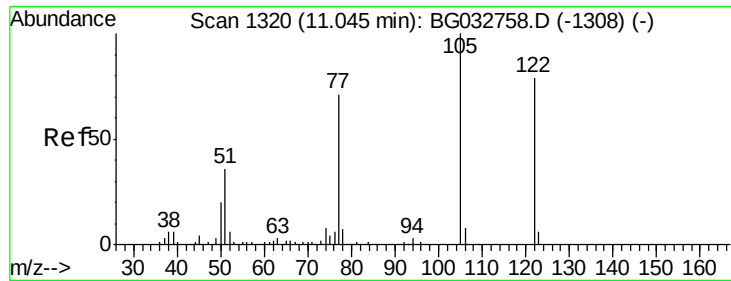


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

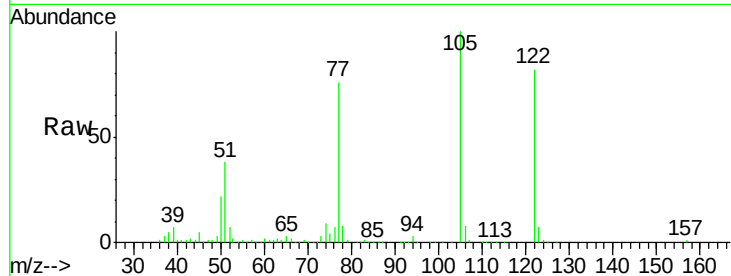




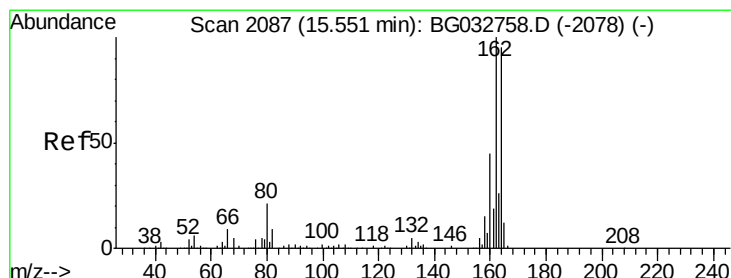
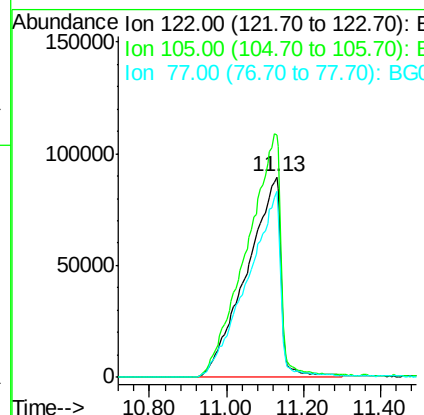
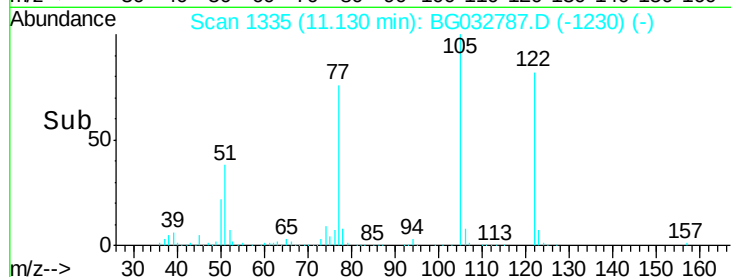
#32  
Benzoic acid  
Concen: 110.290 ng  
RT: 11.13 min Scan# 1335  
Delta R.T. 0.08 min  
Lab File: BG032787.D  
Acq: 22 Feb 2018 18:58

Instrument :  
BNA\_G  
ClientSampleId :  
FRAC-TANK-A124

Tot Ion:122 Resp: 558861  
Ion Ratio Lower Upper  
122 100  
105 121.3 123.5 163.5#  
77 92.7 85.7 125.7

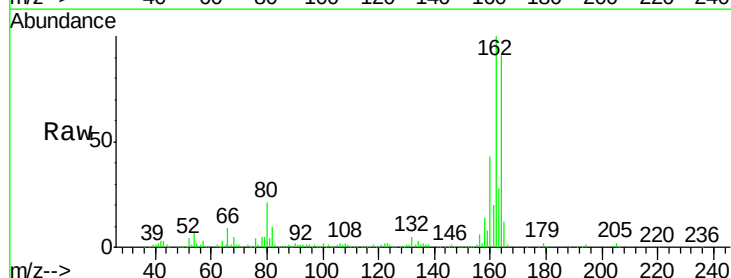


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BGC

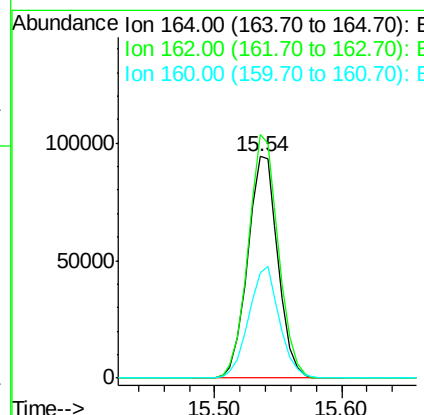
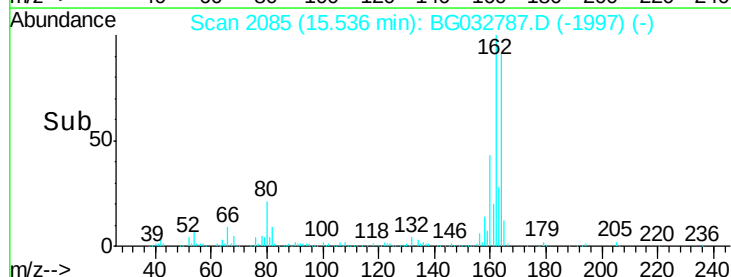


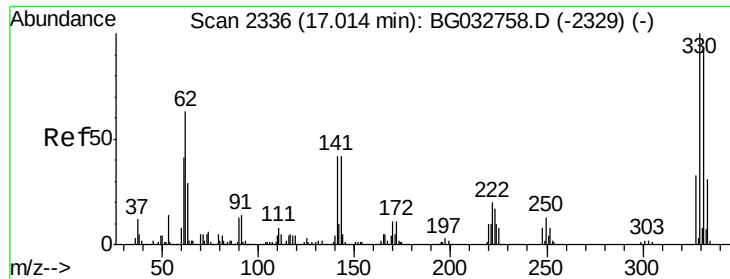
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.54 min Scan# 2085  
Delta R.T. -0.02 min  
Lab File: BG032787.D  
Acq: 22 Feb 2018 18:58

Tgt Ion:164 Resp: 155747  
Ion Ratio Lower Upper  
164 100  
162 110.0 78.8 118.2  
160 47.8 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

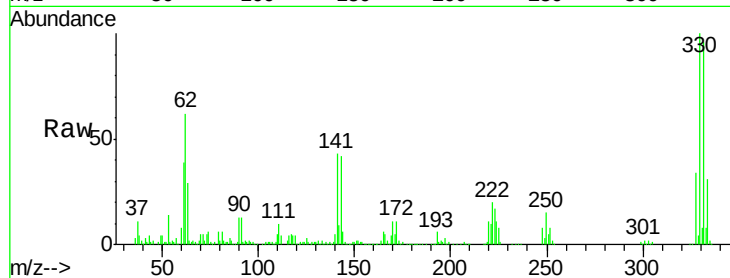




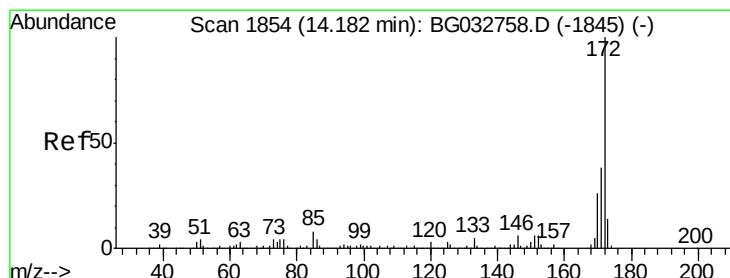
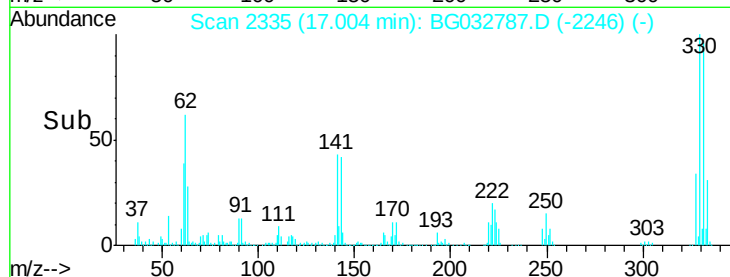
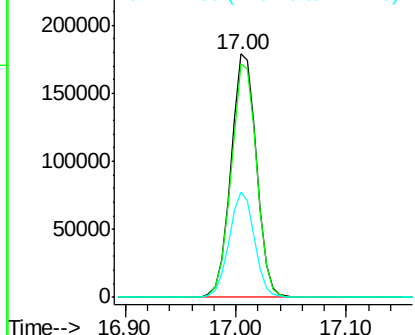
#41  
 2,4,6-Tribromophenol  
 Concen: 177.354 ng  
 RT: 17.00 min Scan# 2335  
 Delta R.T. -0.01 min  
 Lab File: BG032787.D  
 Acq: 22 Feb 2018 18:58

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FRAC-TANK-A124

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.6  | 77.0  | 115.6 |
| 141     | 42.4  | 25.2  | 37.8# |

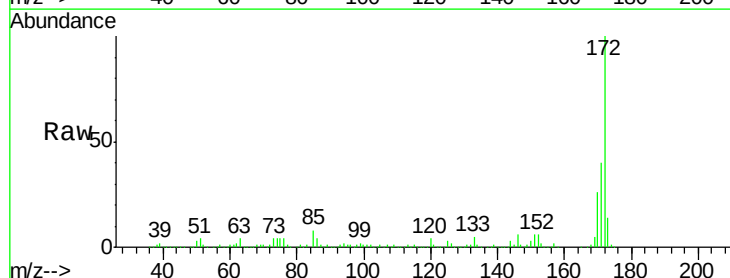


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

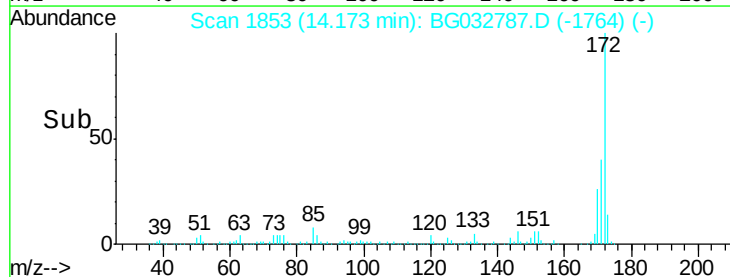
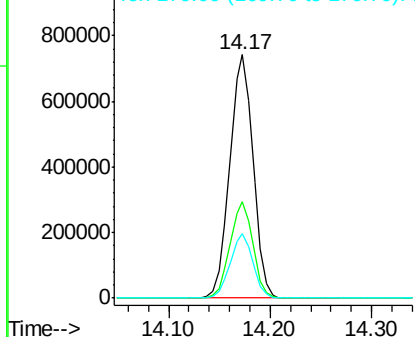


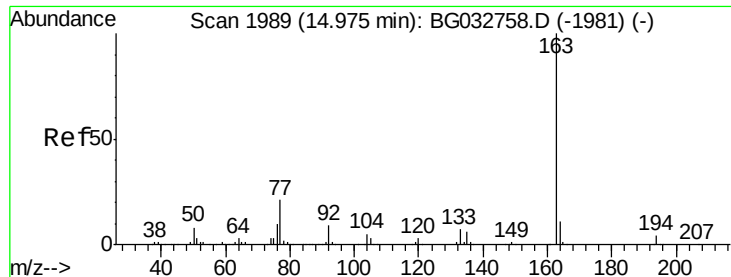
#44  
 2-Fluorobiphenyl  
 Concen: 109.081 ng  
 RT: 14.17 min Scan# 1853  
 Delta R.T. -0.01 min  
 Lab File: BG032787.D  
 Acq: 22 Feb 2018 18:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 39.6  | 30.0  | 45.0  |
| 170     | 26.3  | 19.5  | 29.3  |



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 2.573 ng

RT: 14.96 min Scan# 1987

Delta R.T. -0.02 min

Lab File: BG032787.D

Acq: 22 Feb 2018 18:58

Instrument :

BNA\_G

ClientSampleId :

FRAC-TANK-A124

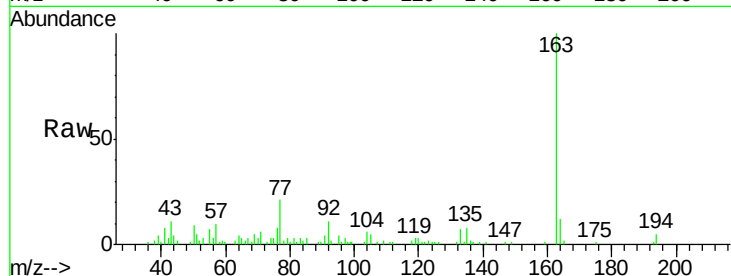
Tot Ion:163 Resp: 34029

Ion Ratio Lower Upper

163 100

194 4.7 3.4 5.2

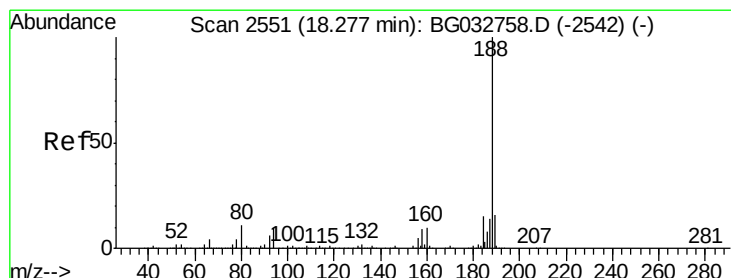
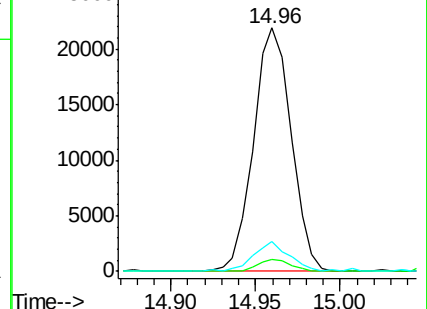
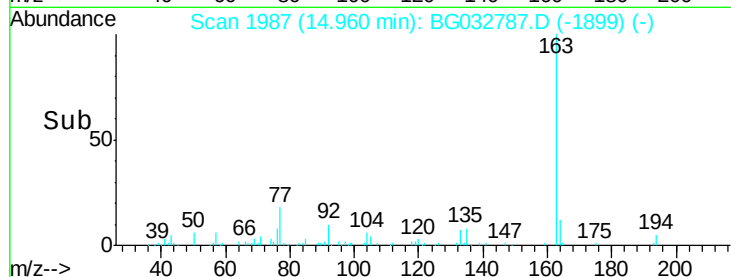
164 12.0 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.27 min Scan# 2550

Delta R.T. -0.01 min

Lab File: BG032787.D

Acq: 22 Feb 2018 18:58

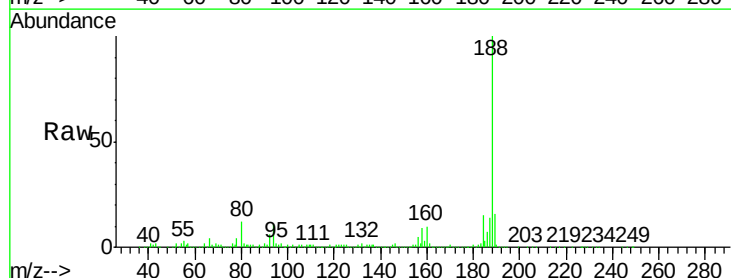
Tgt Ion:188 Resp: 405207

Ion Ratio Lower Upper

188 100

94 10.9 6.9 10.3#

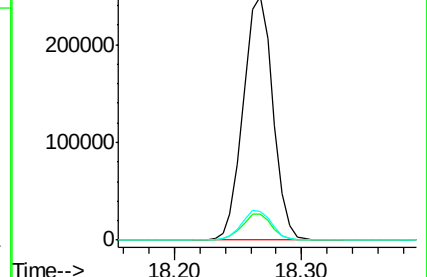
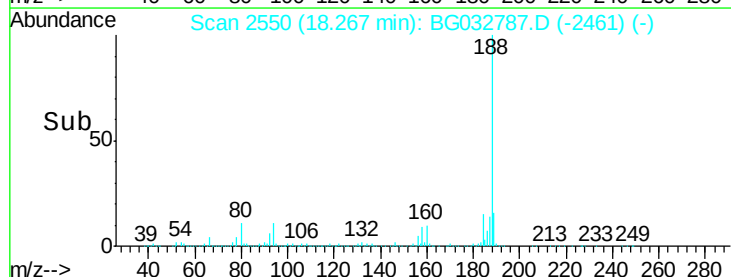
80 11.7 7.7 11.5#



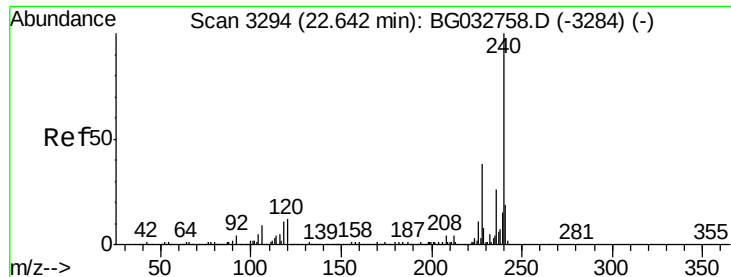
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC







#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.62 min Scan# 3291

Delta R.T. -0.02 min

Lab File: BG032787.D

Acq: 22 Feb 2018 18:58

Instrument :

BNA\_G

ClientSampleId :

FRAC-TANK-A124

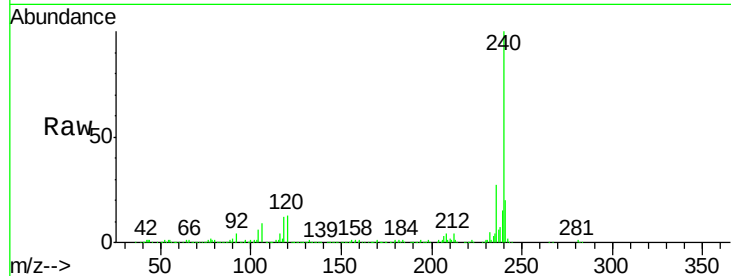
Tot Ion:240 Resp: 380640

Ion Ratio Lower Upper

240 100

120 12.9 6.8 10.2#

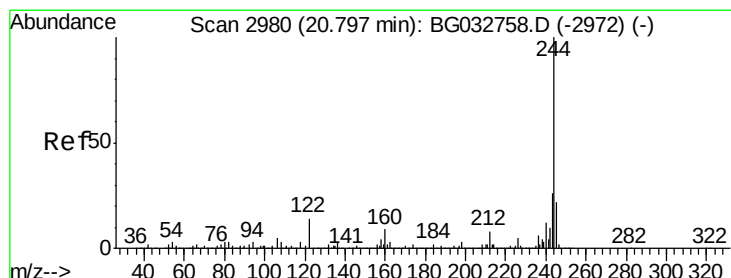
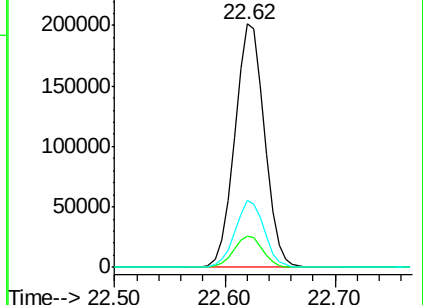
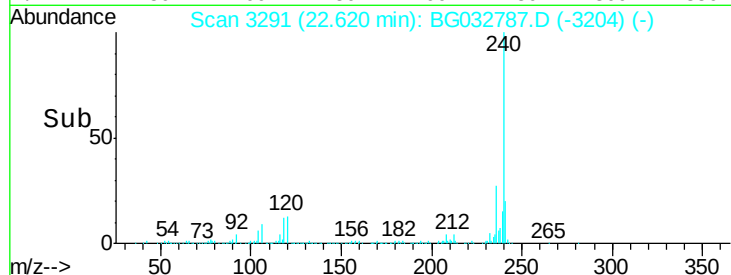
236 27.3 20.9 31.3



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: 92.660 ng

RT: 20.79 min Scan# 2979

Delta R.T. -0.01 min

Lab File: BG032787.D

Acq: 22 Feb 2018 18:58

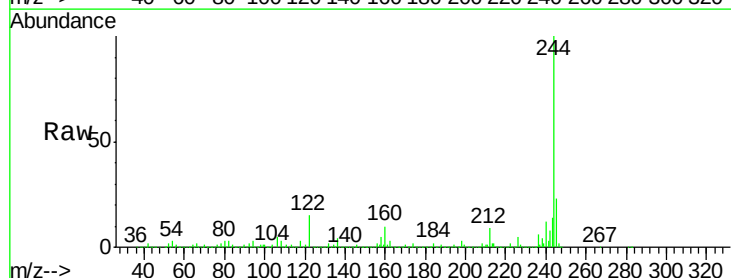
Tgt Ion:244 Resp: 1569843

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

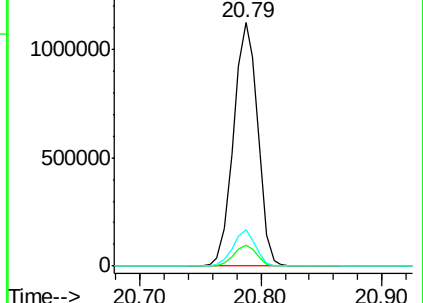
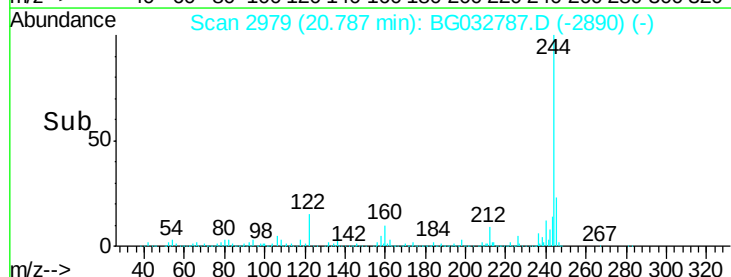
122 14.9 7.0 10.4#

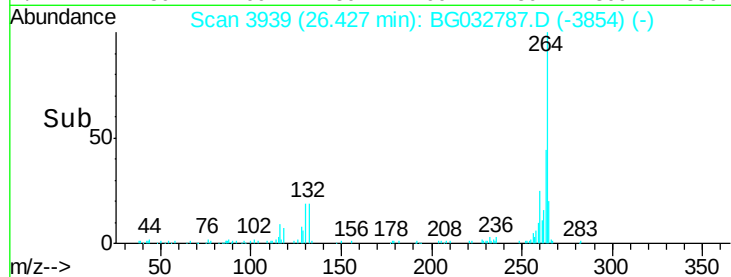
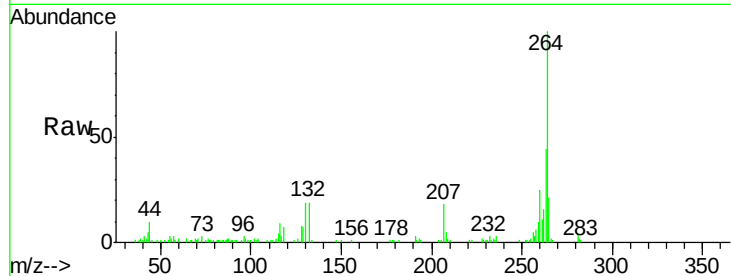
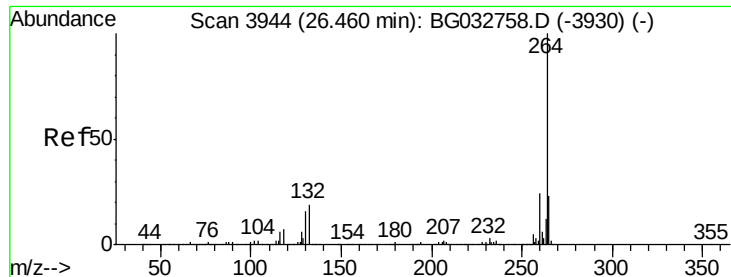


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 26.43 min Scan# 3939  
Delta R.T. -0.03 min  
Lab File: BG032787.D  
Acq: 22 Feb 2018 18:58

Instrument :  
BNA\_G  
ClientSampleId :  
FRAC-TANK-A124

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 264   | Resp: | 77645 |
| Ion      | Ratio | Lower | Upper |
| 264      | 100   |       |       |
| 260      | 24.8  | 17.4  | 26.0  |
| 265      | 20.9  | 17.7  | 26.5  |

