

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022719\  
 Data File : BG039657.D  
 Acq On : 28 Feb 2019 6:31  
 Operator : JU/SJ  
 Sample : K1608-01  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OIL-WATER-SEPERATOR-1

Quant Time: Feb 28 08:01:06 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 29 15:41:51 2019  
 Response via : Initial Calibration

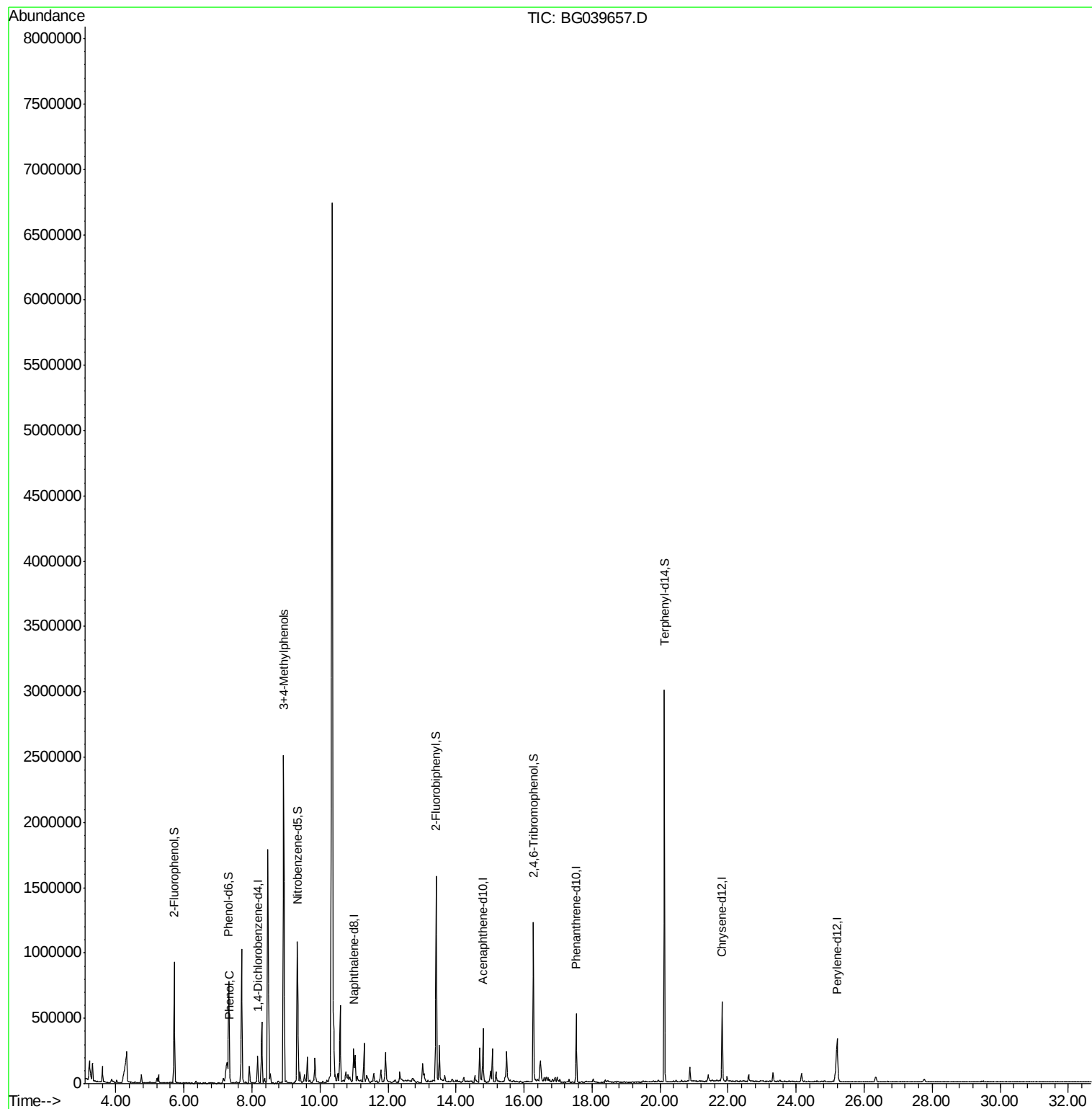
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.16  | 152  | 54681    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.99 | 136  | 237013   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.79 | 164  | 138069   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.53 | 188  | 329572   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 21.82 | 240  | 380459   | 20.00  | ng    | -0.03    |
| 87) Perylene-d12            | 25.20 | 264  | 386865   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.72  | 112  | 394268   | 123.41 | ng    | 0.00     |
| 7) Phenol-d6                | 7.32  | 99   | 484543   | 103.03 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.35  | 82   | 356781   | 94.04  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 16.28 | 330  | 219699   | 147.77 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.42 | 172  | 826493   | 85.87  | ng    | -0.02    |
| 79) Terphenyl-d14           | 20.13 | 244  | 1362507  | 75.80  | ng    | -0.03    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.35  | 94   | 14322    | 2.921  | ng    | 97       |
| 20) 3+4-Methylphenols       | 8.94  | 107  | 19083    | 4.368  | ng    | # 53     |

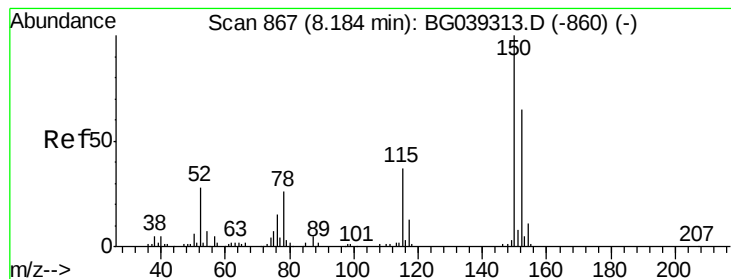
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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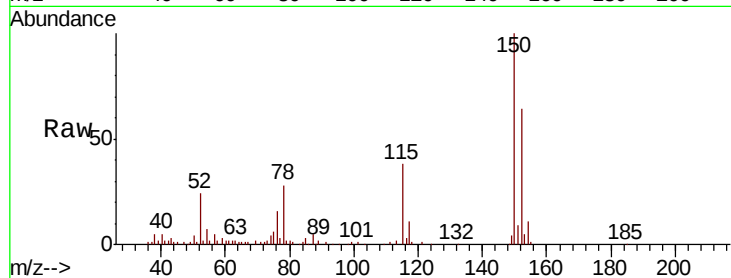


#1

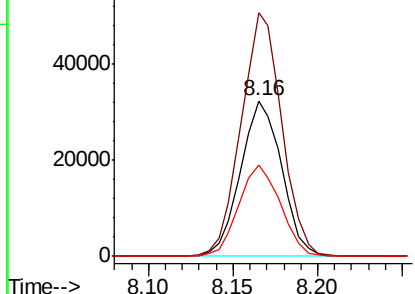
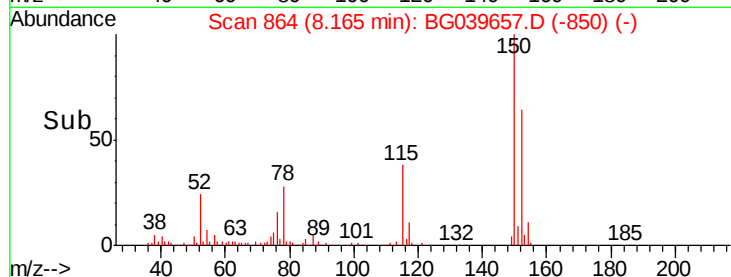
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.16 min Scan# 864  
Delta R.T. -0.02 min  
Lab File: BG039657.D  
Acq: 28 Feb 2019 6:31

Instrument :  
BNA\_G  
ClientSampleId :  
OIL-WATER-SEPERATOR-1

Tot Ion:152 Resp: 54681  
Ion Ratio Lower Upper  
152 100  
150 156.3 123.7 185.5  
115 58.9 45.9 68.9



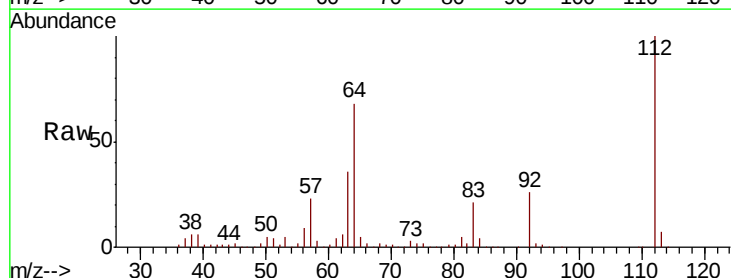
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



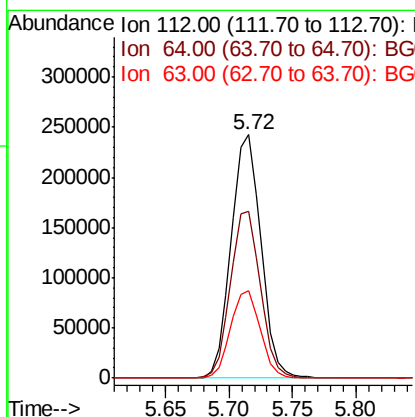
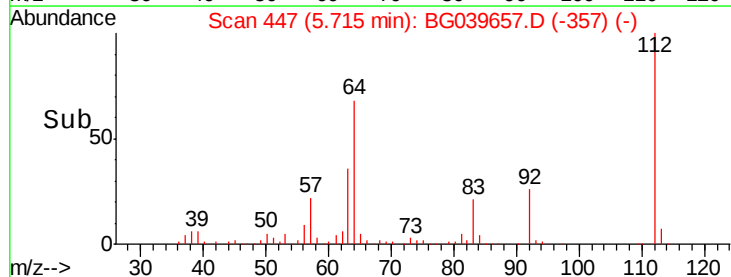
#5

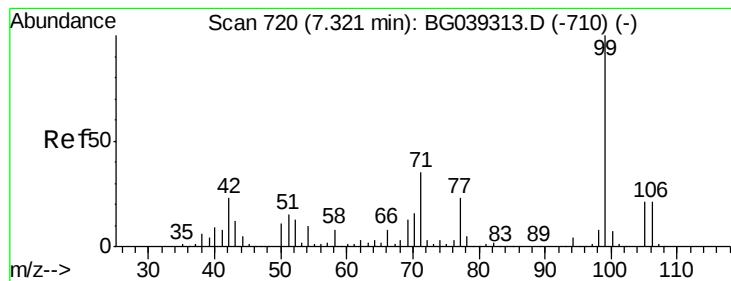
2-Fluorophenol  
Concen: 123.405 ng  
RT: 5.72 min Scan# 447  
Delta R.T. -0.00 min  
Lab File: BG039657.D  
Acq: 28 Feb 2019 6:31

Tgt Ion:112 Resp: 394268  
Ion Ratio Lower Upper  
112 100  
64 68.3 57.8 86.8  
63 35.9 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG0  
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 103.033 ng

RT: 7.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BG039657.D

Acq: 28 Feb 2019 6:31

Instrument :

BNA\_G

ClientSampleId :

OIL-WATER-SEPARATOR-1

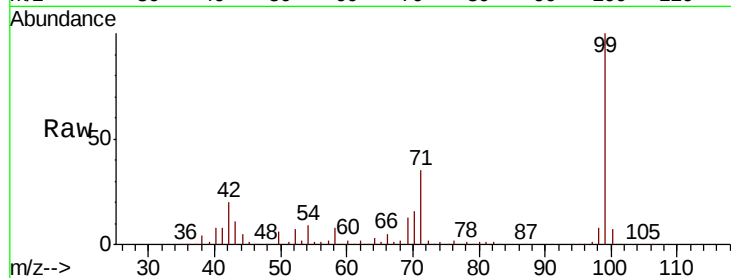
Tot Ion: 99 Resp: 484543

Ion Ratio Lower Upper

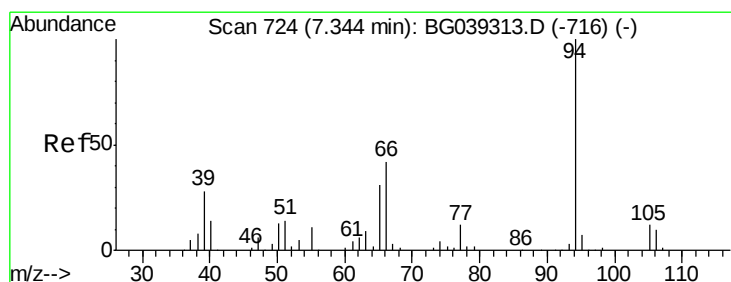
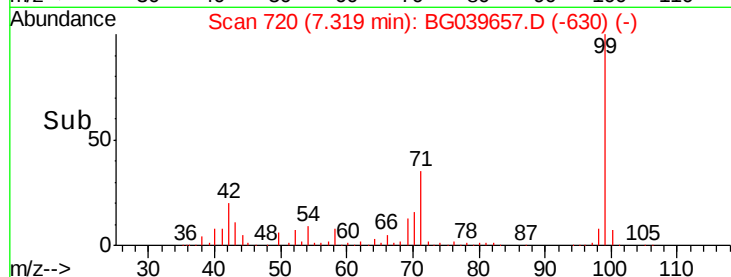
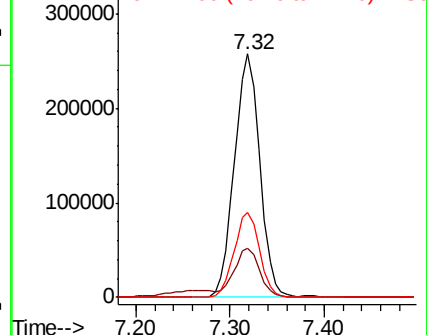
99 100

42 20.3 18.2 27.2

71 34.8 28.0 42.0



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: 2.921 ng

RT: 7.35 min Scan# 725

Delta R.T. 0.00 min

Lab File: BG039657.D

Acq: 28 Feb 2019 6:31

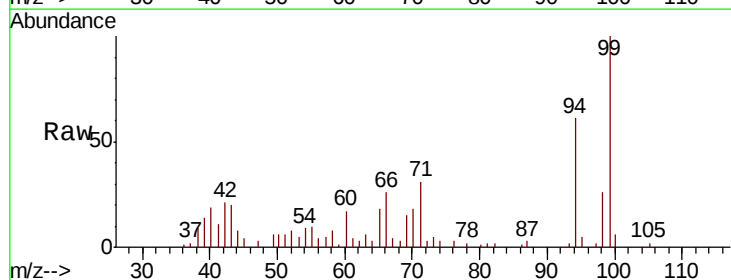
Tgt Ion: 94 Resp: 14322

Ion Ratio Lower Upper

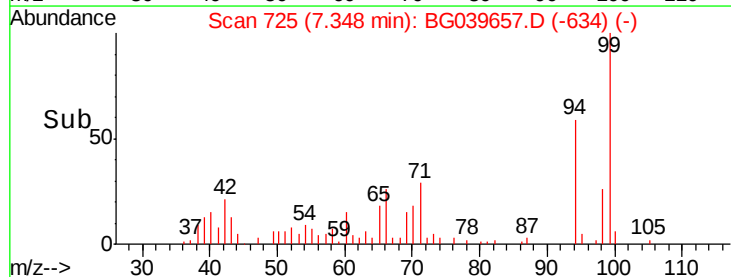
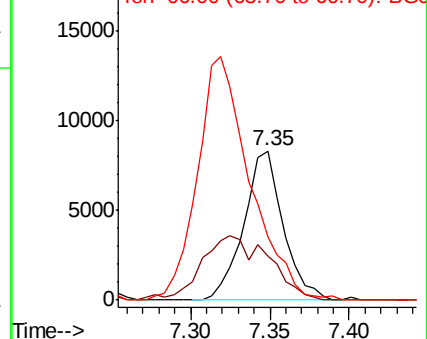
94 100

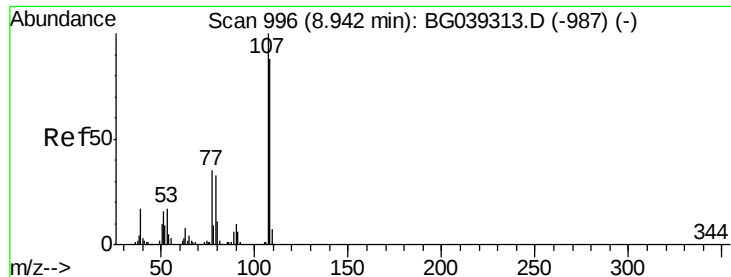
65 29.6 11.7 51.7

66 42.4 23.7 63.7



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





#20

3+4-Methylphenols

Concen: 4.368 ng

RT: 8.94 min Scan# 996

Delta R.T. -0.00 min

Lab File: BG039657.D

Acq: 28 Feb 2019 6:31

Instrument :

BNA\_G

ClientSampleId :

OIL-WATER-SEPARATOR-1

Tot Ion:107 Resp: 19083

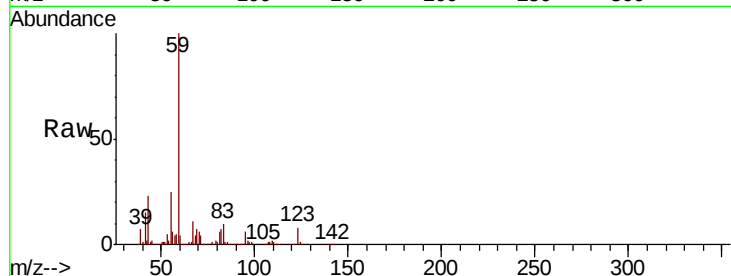
Ion Ratio Lower Upper

107 100

108 72.9 67.9 107.9

77 63.7 15.4 55.4#

79 105.9 13.7 53.7#

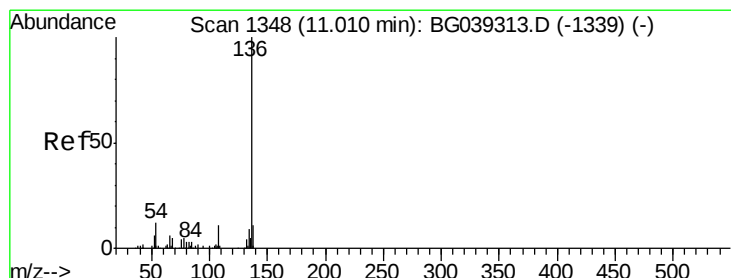
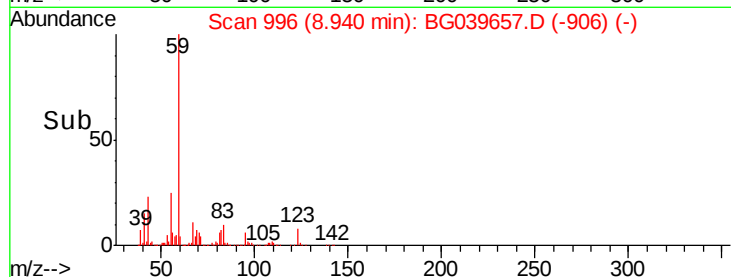
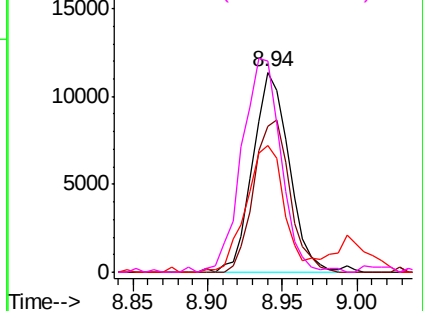


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.99 min Scan# 1345

Delta R.T. -0.02 min

Lab File: BG039657.D

Acq: 28 Feb 2019 6:31

Tgt Ion:136 Resp: 237013

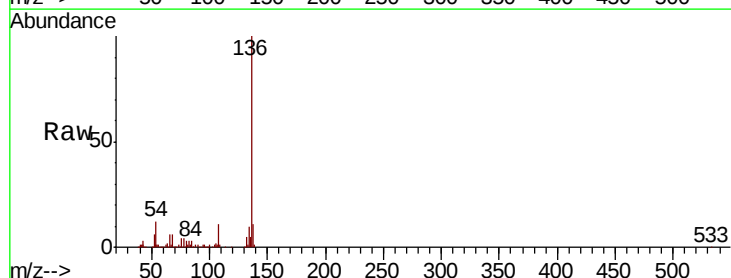
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 12.0 9.4 14.2

68 6.5 4.2 6.4#

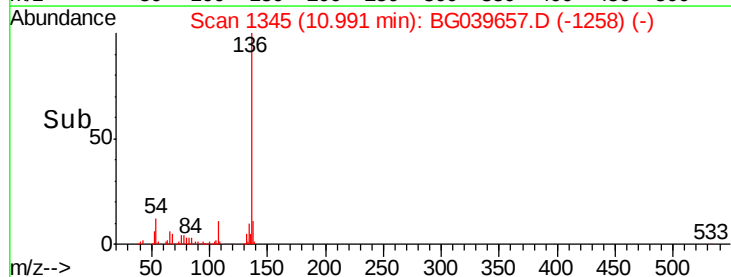
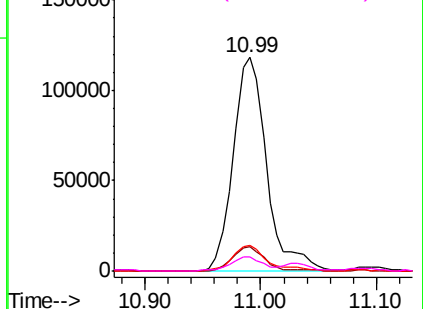


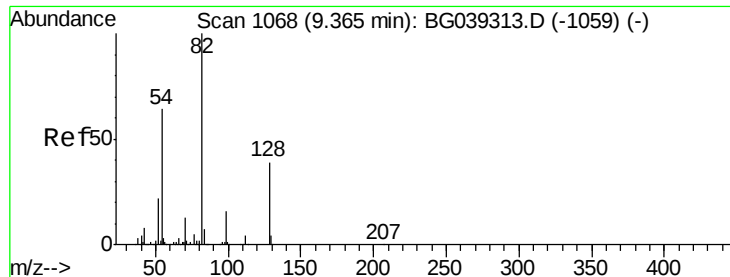
Abundance Ion 136.00 (135.70 to 136.70): E

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

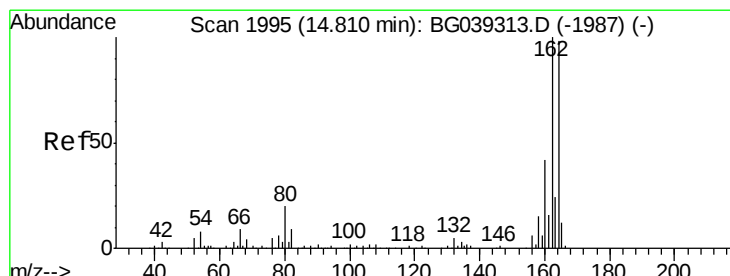
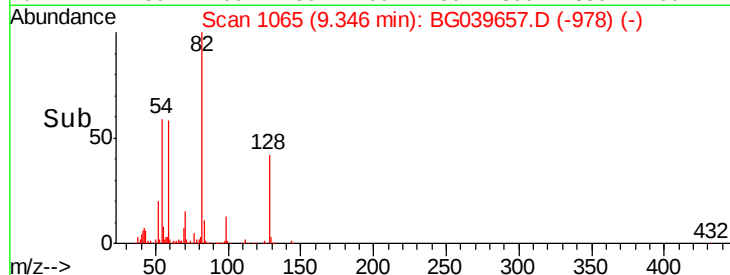
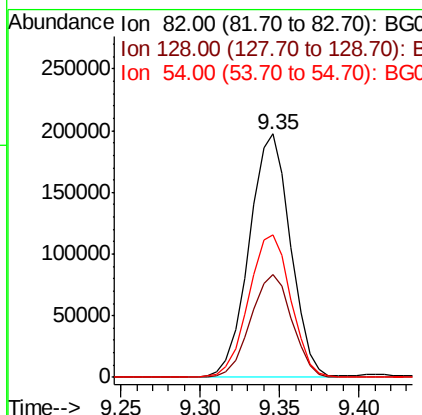
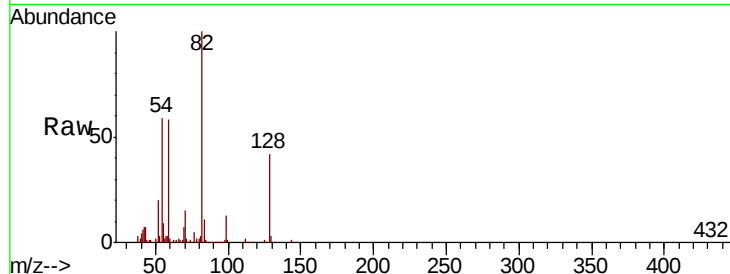




#23  
 Nitrobenzene-d5  
 Concen: 94.040 ng  
 RT: 9.35 min Scan# 1065  
 Delta R.T. -0.02 min  
 Lab File: BG039657.D  
 Acq: 28 Feb 2019 6:31

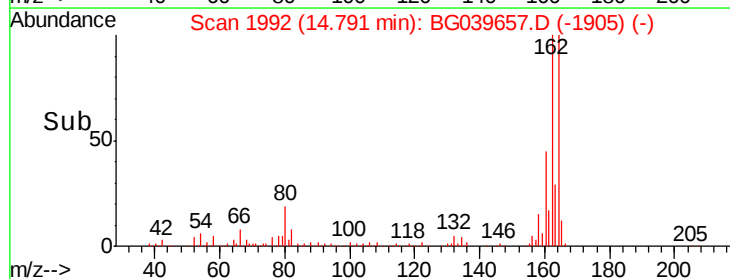
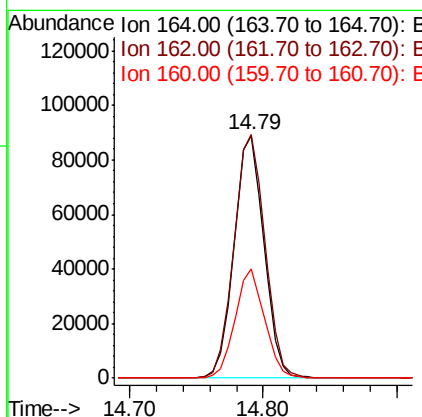
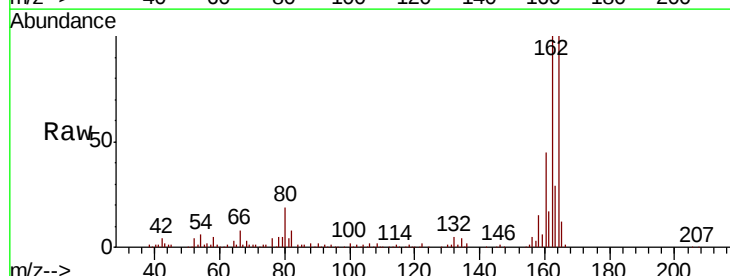
Instrument :  
 BNA\_G  
 ClientSampleId :  
 OIL-WATER-SEPARATOR-1

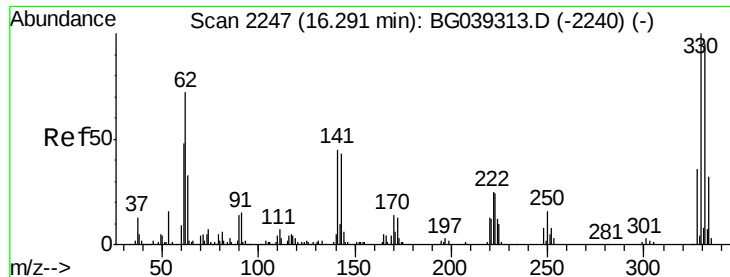
Tot Ion: 82 Resp: 356781  
 Ion Ratio Lower Upper  
 82 100  
 128 42.1 31.3 46.9  
 54 58.6 50.9 76.3



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.79 min Scan# 1992  
 Delta R.T. -0.02 min  
 Lab File: BG039657.D  
 Acq: 28 Feb 2019 6:31

Tgt Ion: 164 Resp: 138069  
 Ion Ratio Lower Upper  
 164 100  
 162 100.3 81.6 122.4  
 160 45.2 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 147.770 ng

RT: 16.28 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BG039657.D

Acq: 28 Feb 2019 6:31

Instrument :

BNA\_G

ClientSampleId :

OIL-WATER-SEPARATOR-1

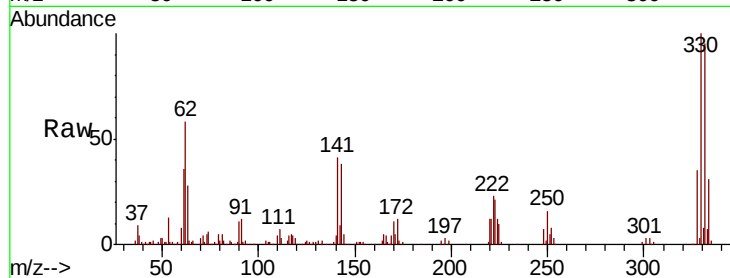
Tot Ion:330 Resp: 219699

Ion Ratio Lower Upper

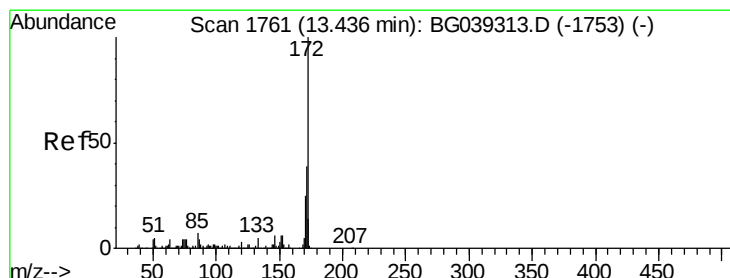
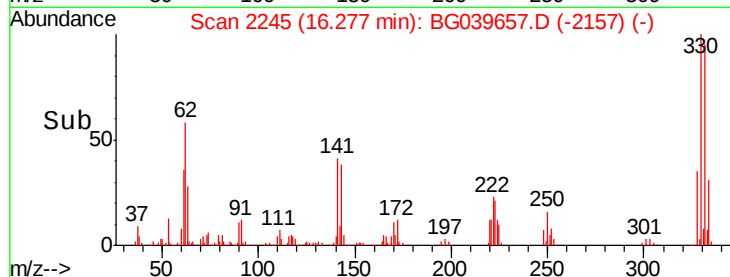
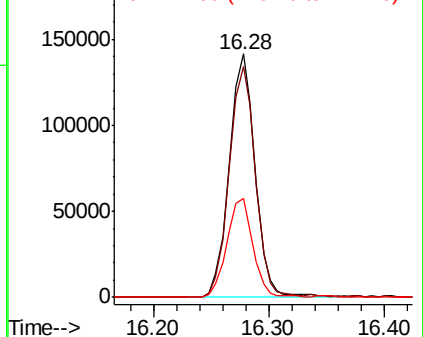
330 100

332 96.0 75.7 113.5

141 41.0 35.6 53.4



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



#45

2-Fluorobiphenyl

Concen: 85.873 ng

RT: 13.42 min Scan# 1758

Delta R.T. -0.02 min

Lab File: BG039657.D

Acq: 28 Feb 2019 6:31

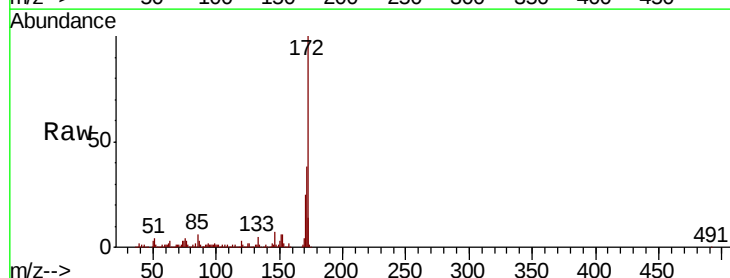
Tgt Ion:172 Resp: 826493

Ion Ratio Lower Upper

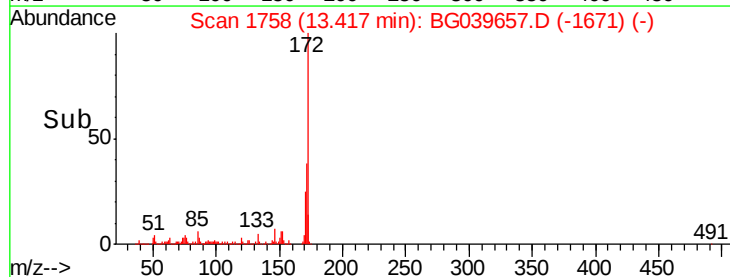
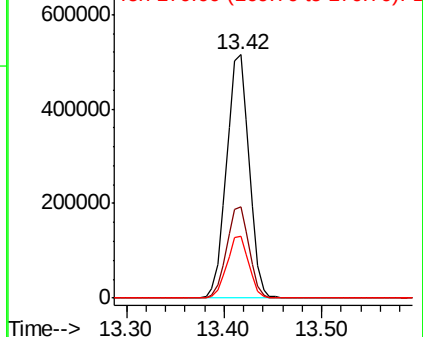
172 100

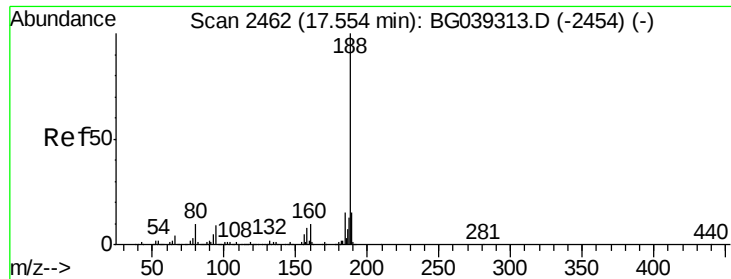
171 37.7 30.8 46.2

170 25.2 20.2 30.4



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039657.D

Acq: 28 Feb 2019 6:31

Instrument :

BNA\_G

ClientSampleId :

OIL-WATER-SEPARATOR-1

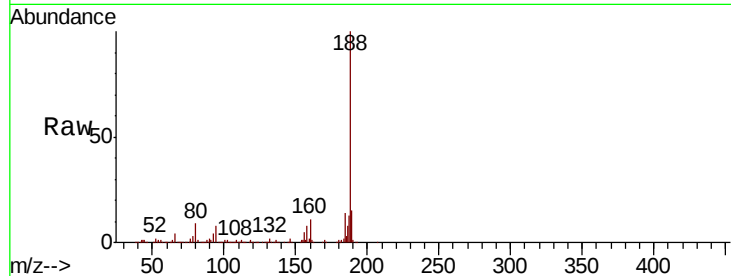
Tot Ion:188 Resp: 329572

Ion Ratio Lower Upper

188 100

94 8.0 6.9 10.3

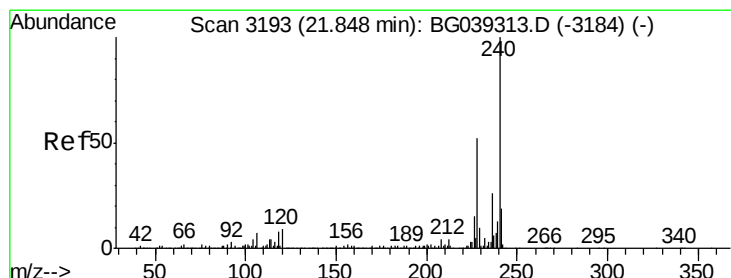
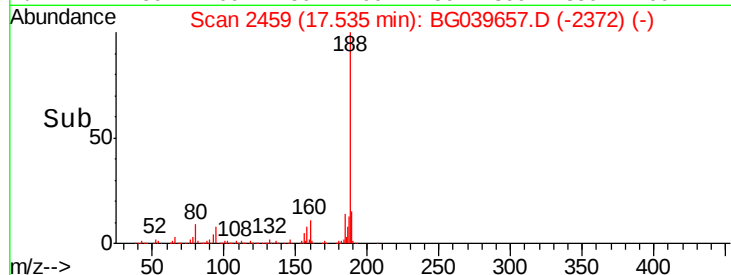
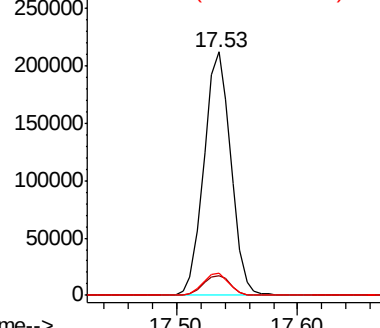
80 9.1 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.82 min Scan# 3189

Delta R.T. -0.03 min

Lab File: BG039657.D

Acq: 28 Feb 2019 6:31

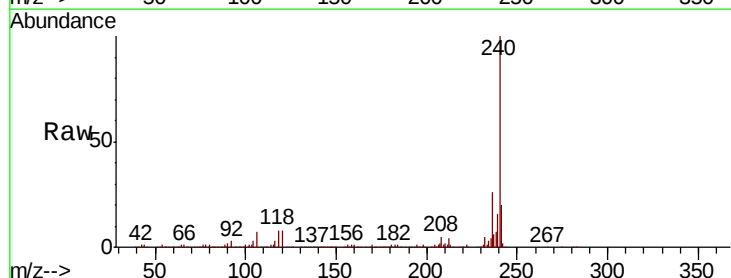
Tgt Ion:240 Resp: 380459

Ion Ratio Lower Upper

240 100

120 8.2 7.0 10.6

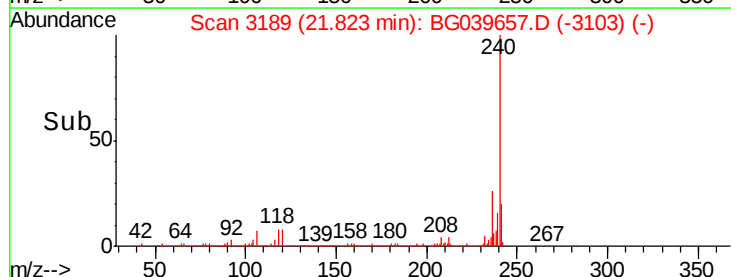
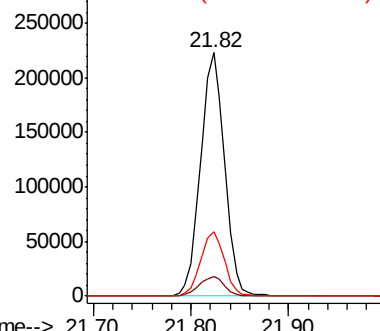
236 26.2 21.0 31.4

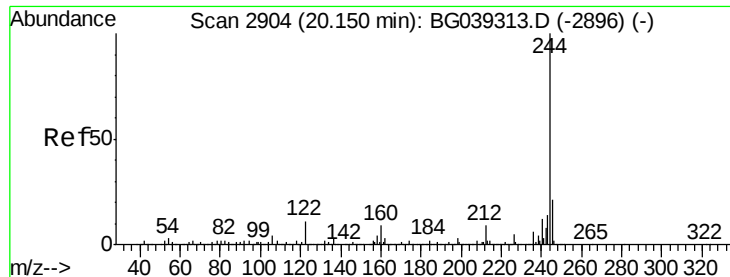


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 75.803 ng

RT: 20.13 min Scan# 2900

Delta R.T. -0.03 min

Lab File: BG039657.D

Acq: 28 Feb 2019 6:31

Instrument :

BNA\_G

ClientSampleId :

OIL-WATER-SEPARATOR-1

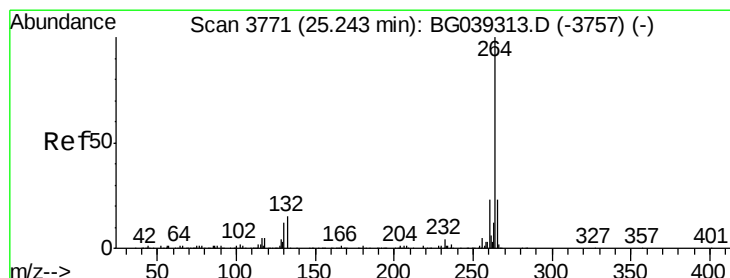
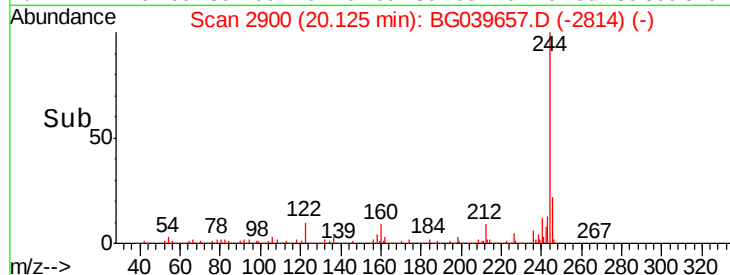
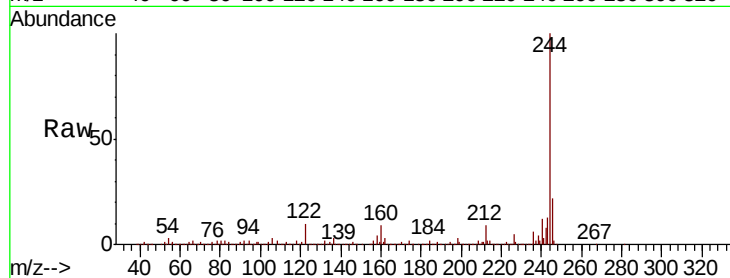
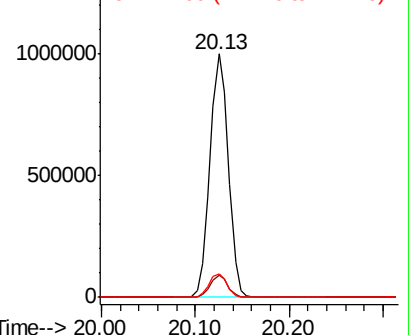
Tot Ion:244 Resp: 1362507

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 9.3   | 7.3   | 10.9  |
| 122 | 9.9   | 8.4   | 12.6  |

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.20 min Scan# 3764

Delta R.T. -0.04 min

Lab File: BG039657.D

Acq: 28 Feb 2019 6:31

Tgt Ion:264 Resp: 386865

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.4  | 18.2  | 27.4  |
| 265 | 21.0  | 18.5  | 27.7  |

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

