

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101015\  
 Data File : BG019139.D  
 Acq On : 11 Oct 2015 4:48  
 Operator : UM/NP  
 Sample : G3929-13  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Oct 12 07:25:43 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 12 07:23:23 2015  
 Response via : Initial Calibration

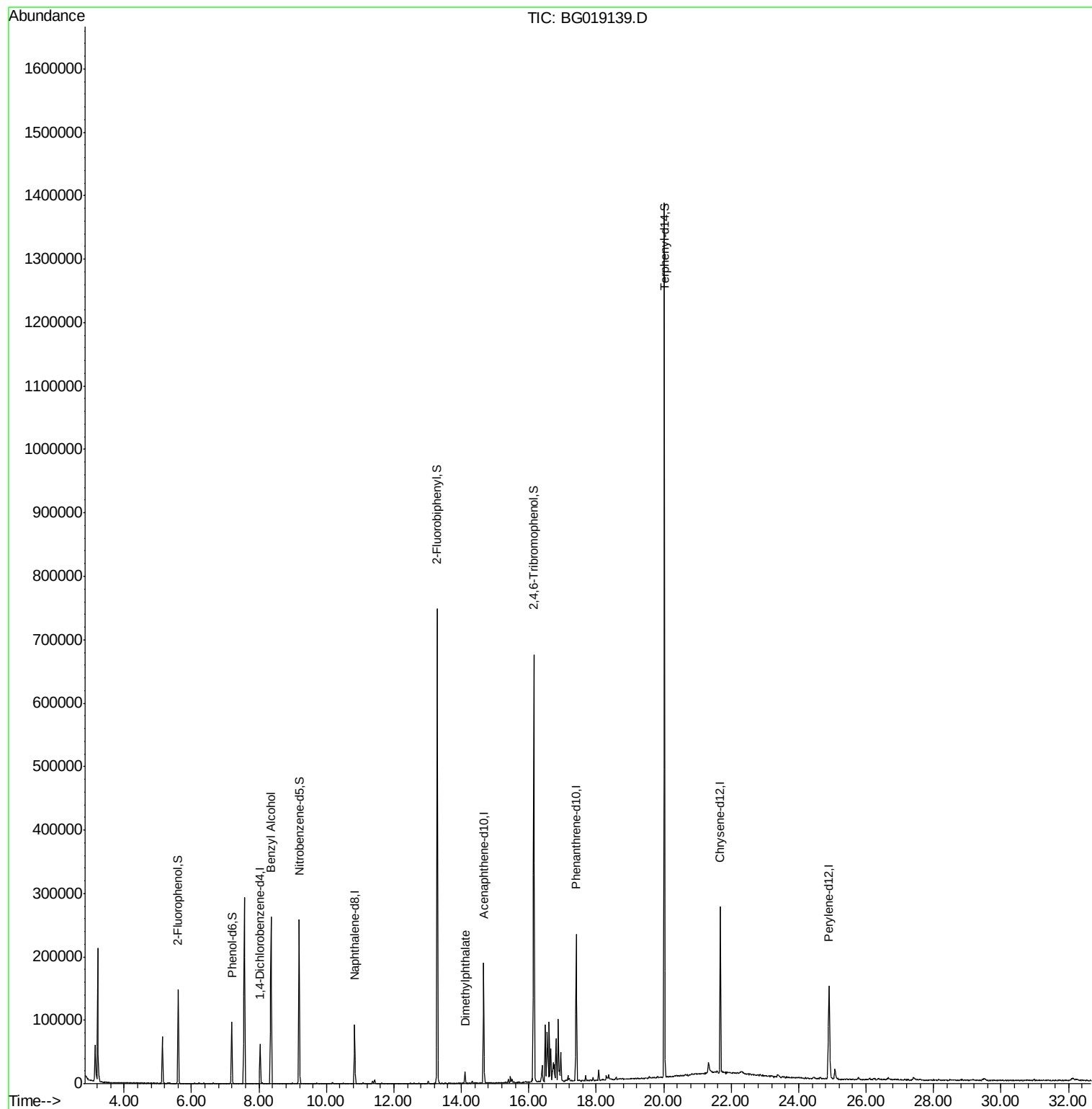
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.03  | 152  | 16704    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.83 | 136  | 73384    | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.66 | 164  | 54187    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.40 | 188  | 137456   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.67 | 240  | 161136   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 24.90 | 264  | 158878   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.61  | 112  | 54791    | 66.79  | ng    | 0.00     |
| 7) Phenol-d6                | 7.19  | 99   | 51232    | 40.65  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.19  | 82   | 146496   | 110.30 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.15 | 330  | 120241   | 162.84 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.28 | 172  | 363884   | 103.26 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.02 | 244  | 579701   | 95.03  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 15) Benzyl Alcohol          | 8.35  | 79   | 2273     | 2.02   | ng    | # 48     |
| 49) Dimethylphthalate       | 14.11 | 163  | 13295    | 3.11   | ng    | # 96     |

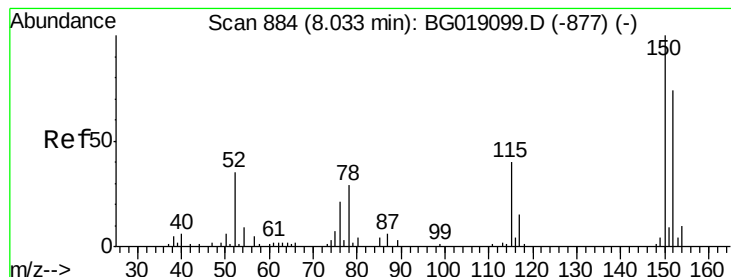
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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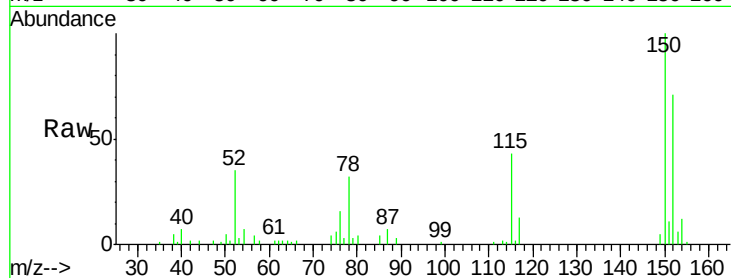


#1

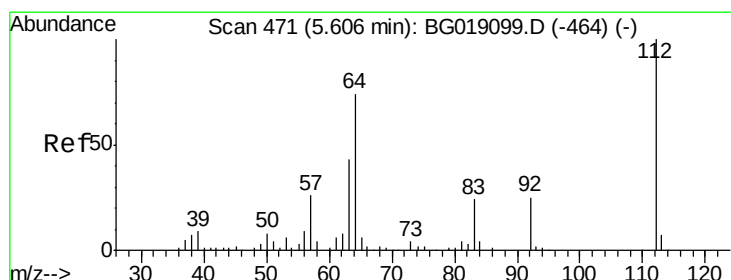
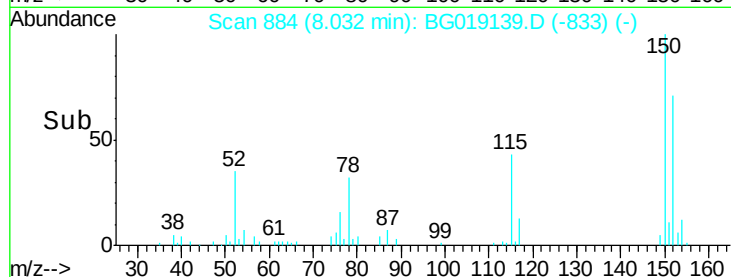
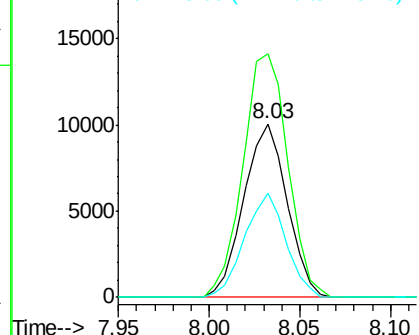
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.03 min Scan# 884  
Delta R.T. 0.00 min  
Lab File: BG019139.D  
Acq: 11 Oct 2015 4:48

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:152 Resp: 16704  
Ion Ratio Lower Upper  
152 100  
150 140.4 108.2 162.2  
115 59.9 43.2 64.8



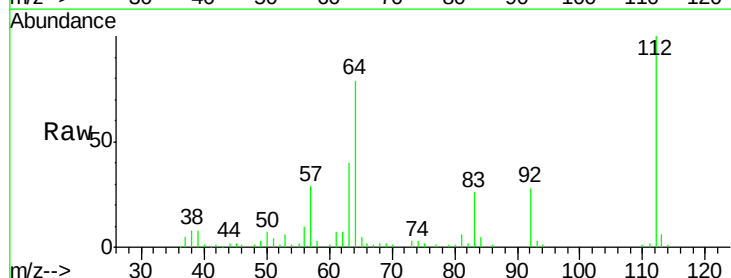
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



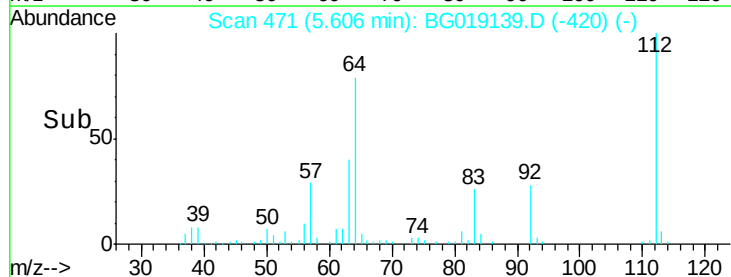
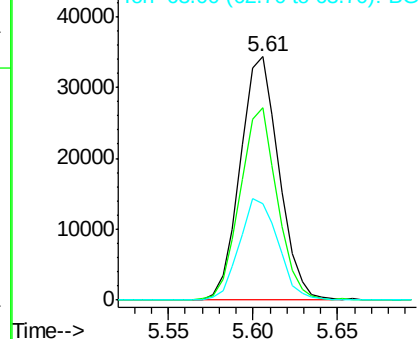
#5

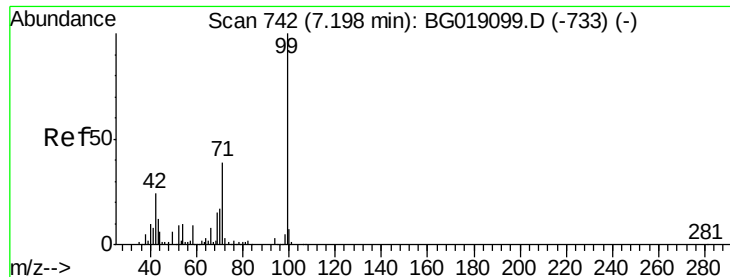
2-Fluorophenol  
Concen: 66.79 ng  
RT: 5.61 min Scan# 471  
Delta R.T. 0.00 min  
Lab File: BG019139.D  
Acq: 11 Oct 2015 4:48

Tgt Ion:112 Resp: 54791  
Ion Ratio Lower Upper  
112 100  
64 78.8 59.0 88.4  
63 39.5 34.7 52.1



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: 40.65 ng

RT: 7.19 min Scan# 741

Delta R.T. -0.00 min

Lab File: BG019139.D

Acq: 11 Oct 2015 4:48

Instrument :

BNA\_G

ClientSampleId :

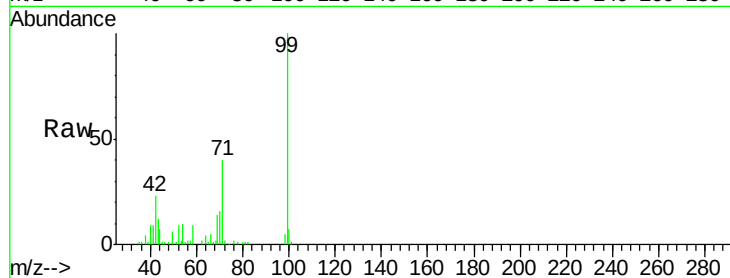
Tot Ion: 99 Resp: 51232

Ion Ratio Lower Upper

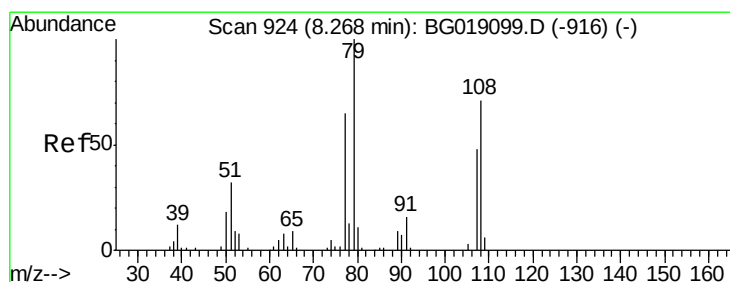
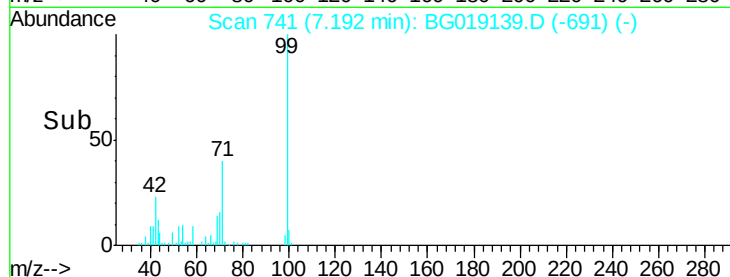
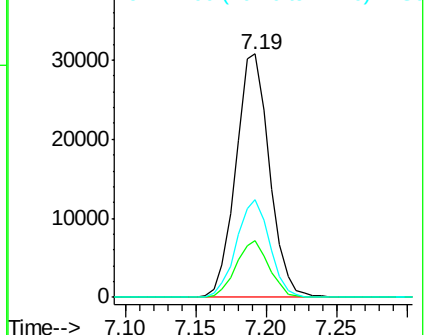
99 100

42 23.3 19.5 29.3

71 39.9 31.4 47.0



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



#15

Benzyl Alcohol

Concen: 2.02 ng

RT: 8.35 min Scan# 938

Delta R.T. 0.08 min

Lab File: BG019139.D

Acq: 11 Oct 2015 4:48

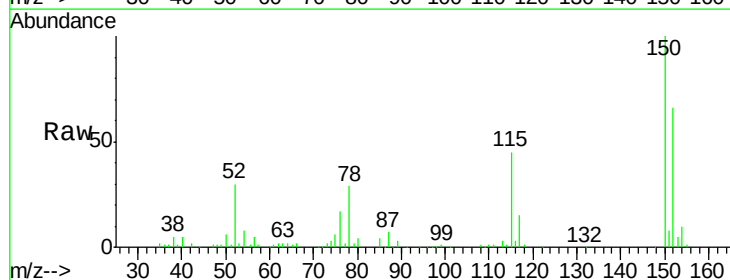
Tgt Ion: 79 Resp: 2273

Ion Ratio Lower Upper

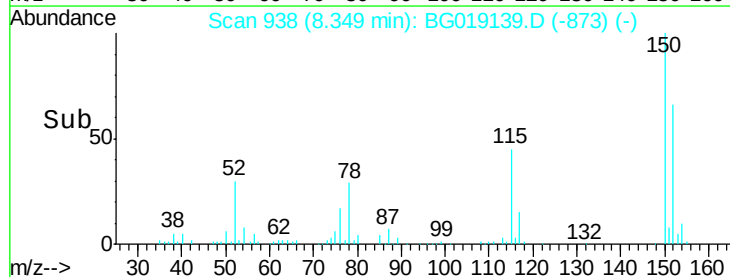
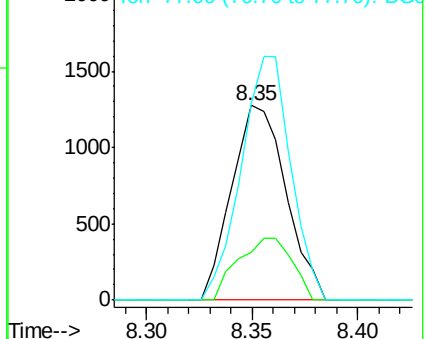
79 100

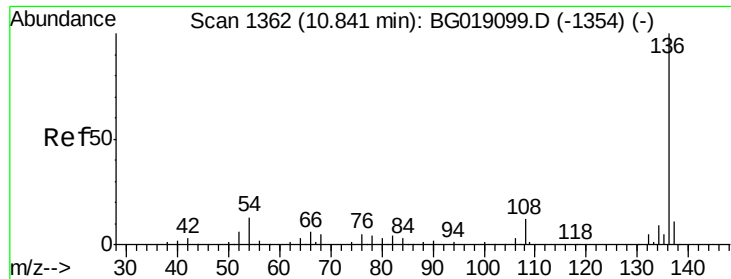
108 24.2 56.6 84.8#

77 101.1 51.6 77.4#



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 108.00 (107.70 to 108.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC

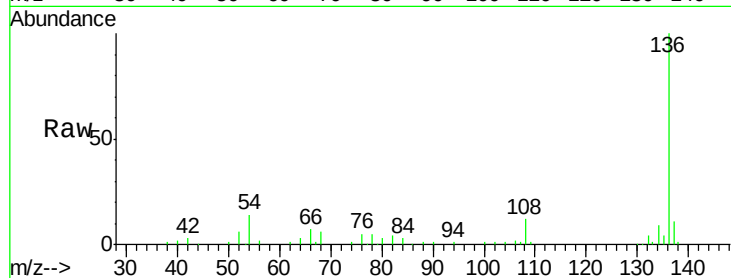




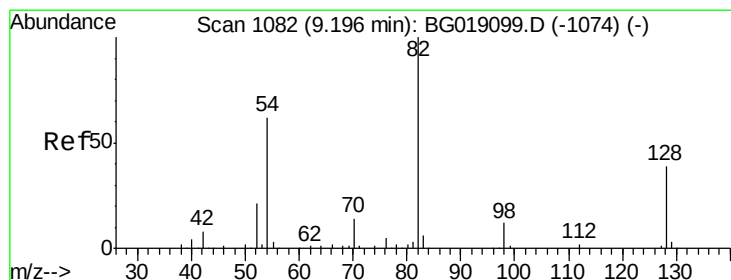
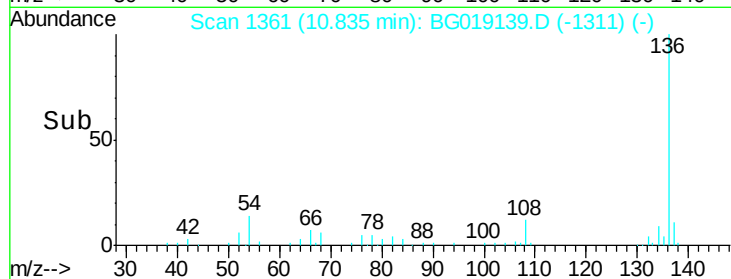
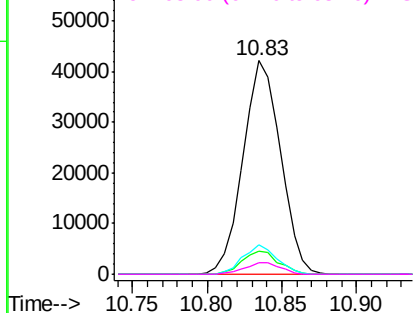
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.83 min Scan# 1361  
Delta R.T. -0.00 min  
Lab File: BG019139.D  
Acq: 11 Oct 2015 4:48

Instrument :  
BNA\_G  
ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 73384       |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.0  | 9.0 13.4    |
| 54          | 14.0  | 10.1 15.1   |
| 68          | 5.7   | 4.4 6.6     |

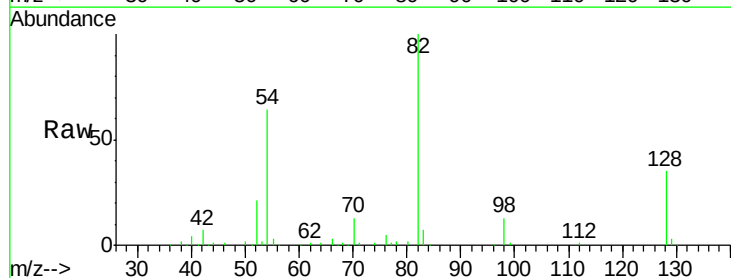


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

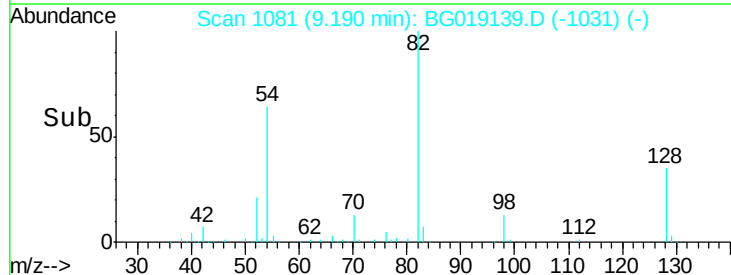
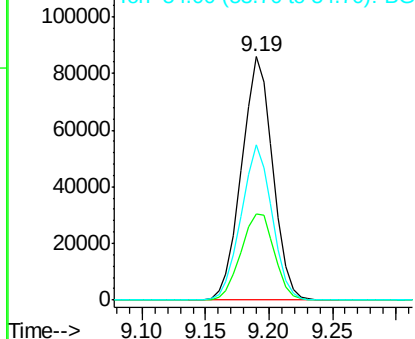


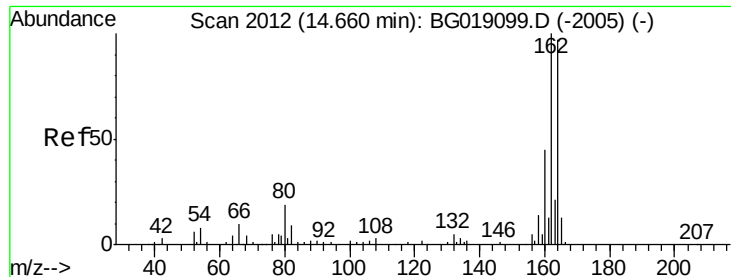
#23  
Nitrobenzene-d5  
Concen: 110.30 ng  
RT: 9.19 min Scan# 1081  
Delta R.T. -0.00 min  
Lab File: BG019139.D  
Acq: 11 Oct 2015 4:48

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 146496      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 35.2  | 31.4 47.2   |
| 54          | 63.6  | 50.0 75.0   |



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: 14.66 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BG019139.D

Acq: 11 Oct 2015 4:48

Instrument :

BNA\_G

ClientSampleId :

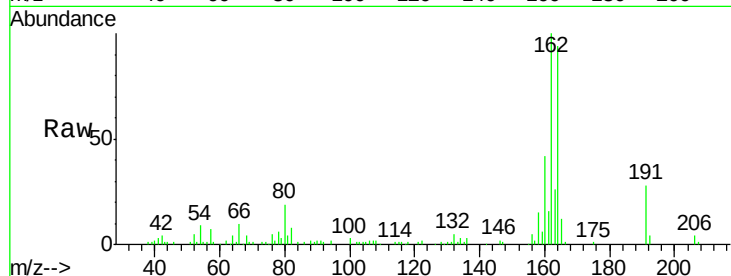
Tot Ion:164 Resp: 54187

Ion Ratio Lower Upper

164 100

162 106.4 82.6 124.0

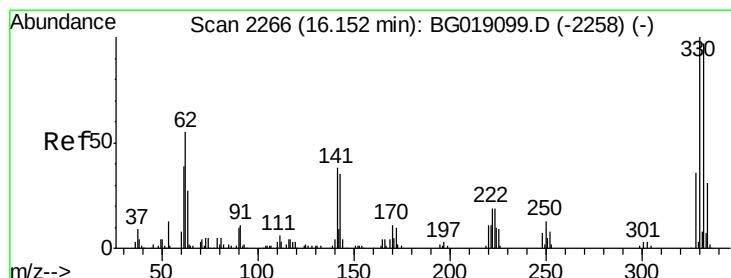
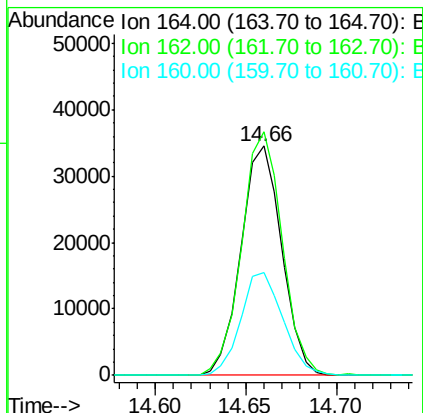
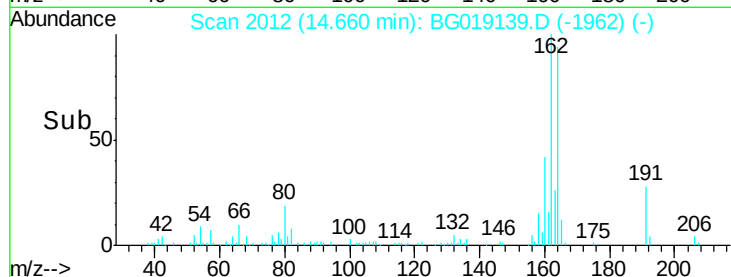
160 44.7 36.9 55.3



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: 162.84 ng

RT: 16.15 min Scan# 2265

Delta R.T. -0.00 min

Lab File: BG019139.D

Acq: 11 Oct 2015 4:48

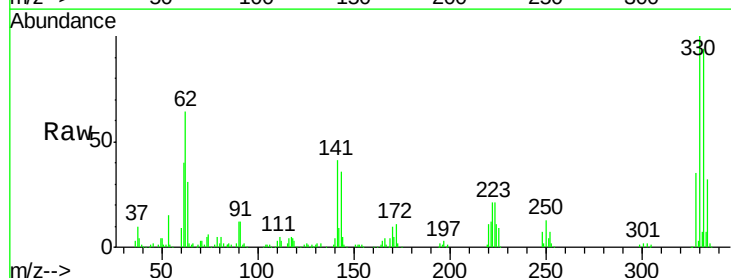
Tgt Ion:330 Resp: 120241

Ion Ratio Lower Upper

330 100

332 94.2 77.3 115.9

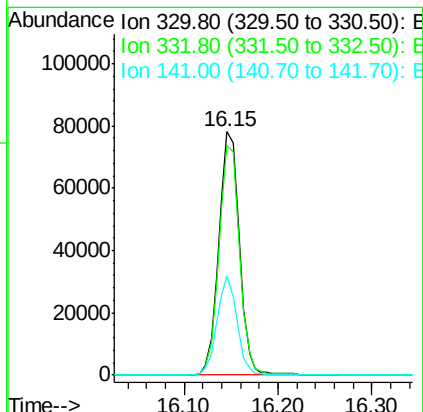
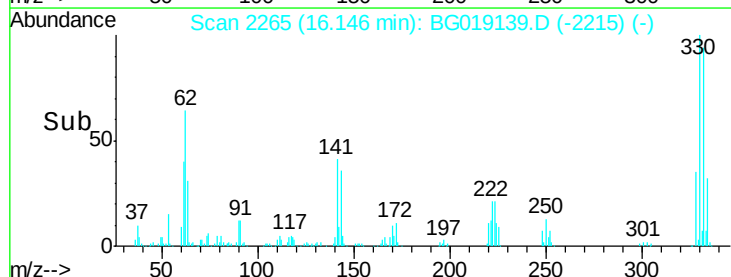
141 39.0 30.7 46.1

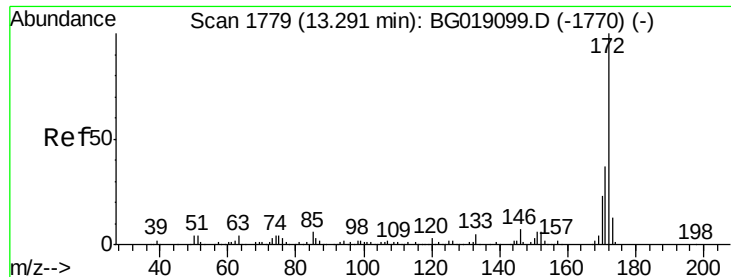


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

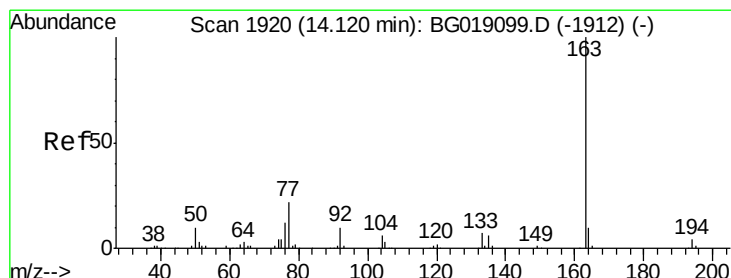
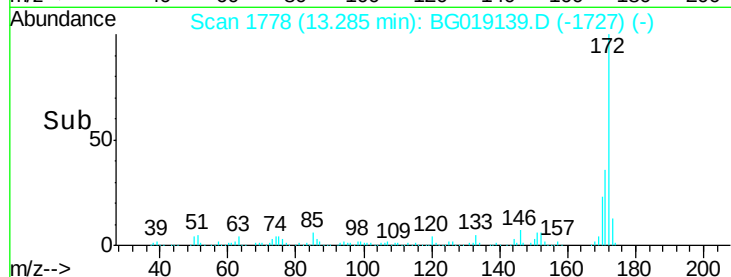
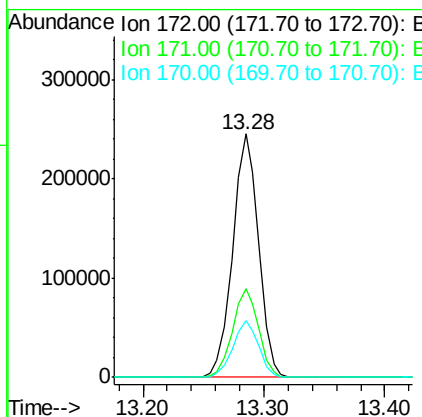
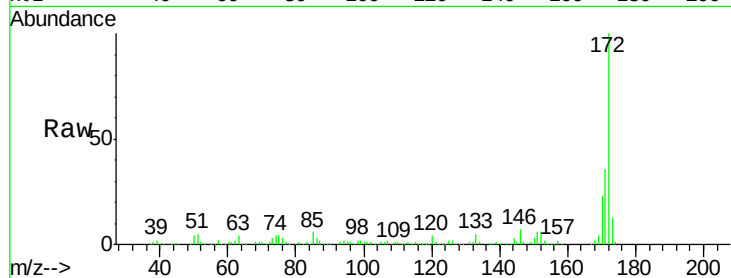




#44  
2-Fluorobiphenyl  
Concen: 103.26 ng  
RT: 13.28 min Scan# 1778  
Delta R.T. 0.00 min  
Lab File: BG019139.D  
Acq: 11 Oct 2015 4:48

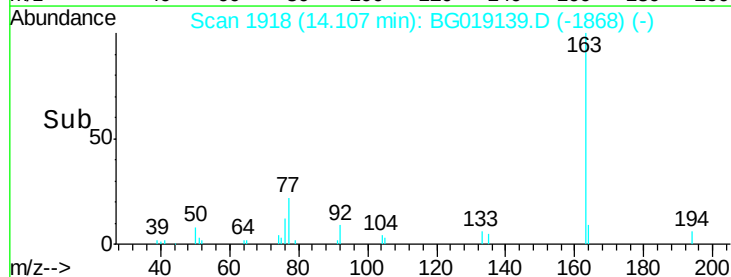
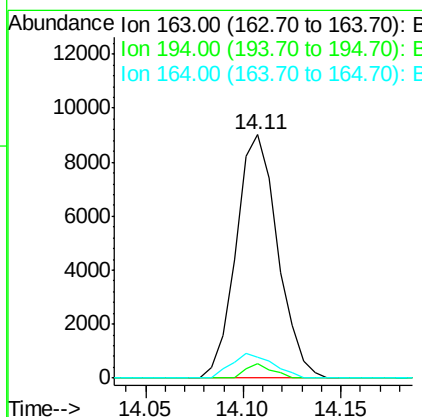
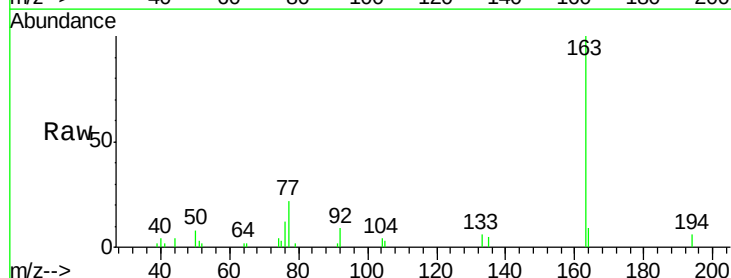
Instrument :  
BNA\_G  
ClientSampleId :

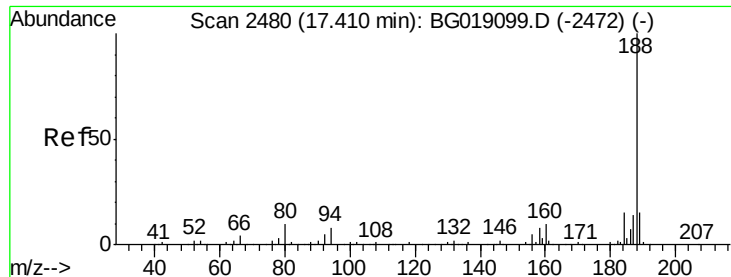
Tot Ion:172 Resp: 363884  
Ion Ratio Lower Upper  
172 100  
171 36.4 29.9 44.9  
170 23.4 18.6 27.8



#49  
Dimethylphthalate  
Concen: 3.11 ng  
RT: 14.11 min Scan# 1918  
Delta R.T. -0.00 min  
Lab File: BG019139.D  
Acq: 11 Oct 2015 4:48

Tgt Ion:163 Resp: 13295  
Ion Ratio Lower Upper  
163 100  
194 5.9 3.2 4.8#  
164 8.7 8.1 12.1

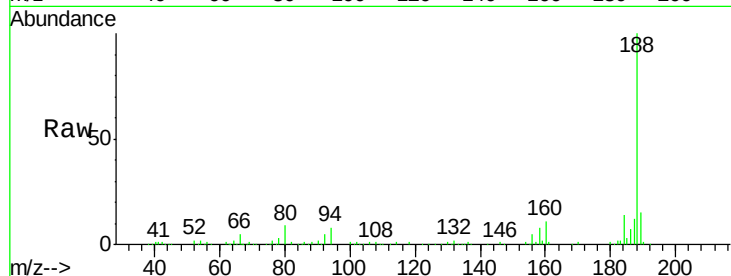




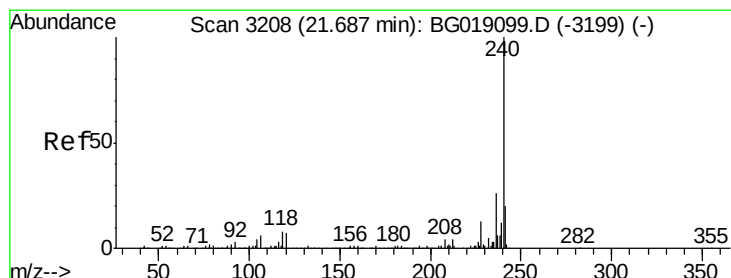
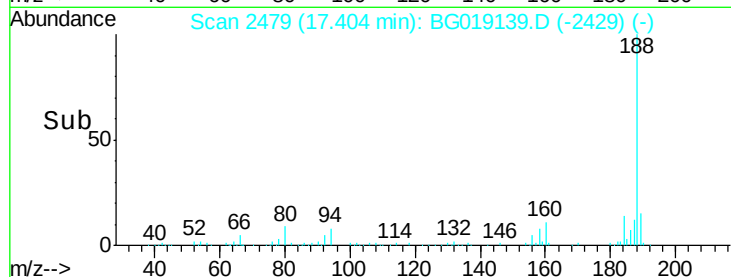
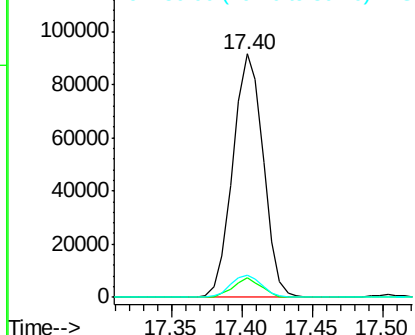
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.40 min Scan# 2479  
Delta R.T. -0.00 min  
Lab File: BG019139.D  
Acq: 11 Oct 2015 4:48

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:188 Resp: 137456  
Ion Ratio Lower Upper  
188 100  
94 8.1 6.4 9.6  
80 9.3 7.6 11.4

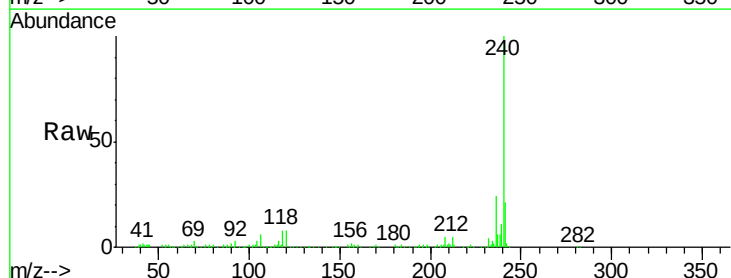


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): B  
Ion 80.00 (79.70 to 80.70): B

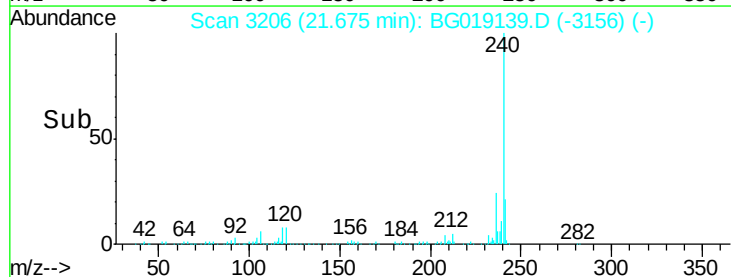
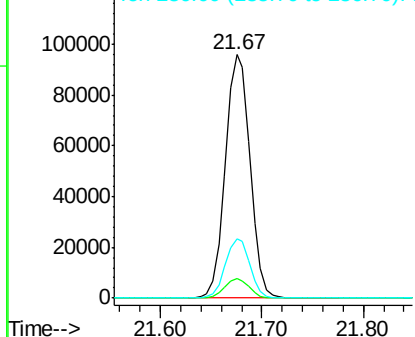


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.67 min Scan# 3206  
Delta R.T. -0.00 min  
Lab File: BG019139.D  
Acq: 11 Oct 2015 4:48

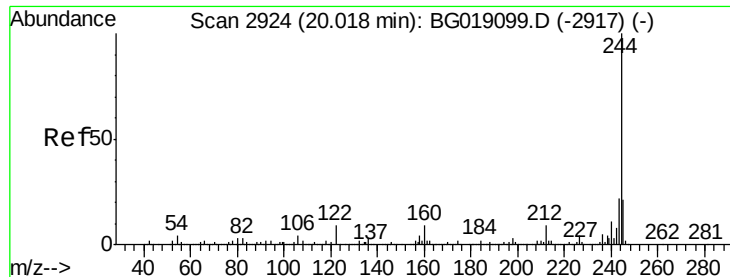
Tgt Ion:240 Resp: 161136  
Ion Ratio Lower Upper  
240 100  
120 8.2 5.8 8.6  
236 24.2 21.2 31.8



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



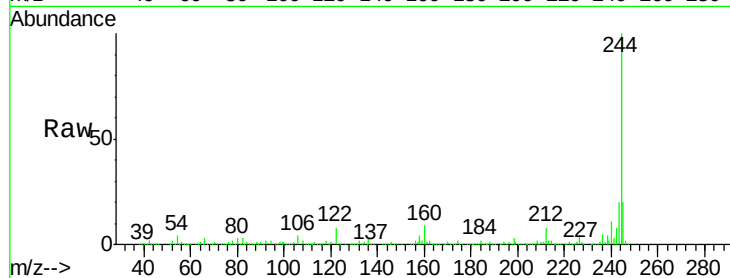




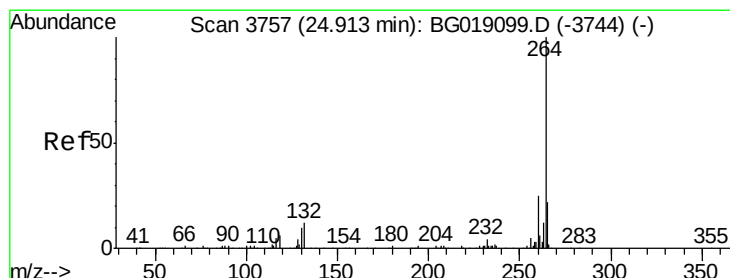
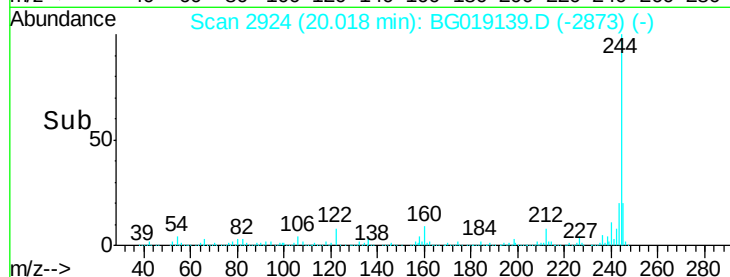
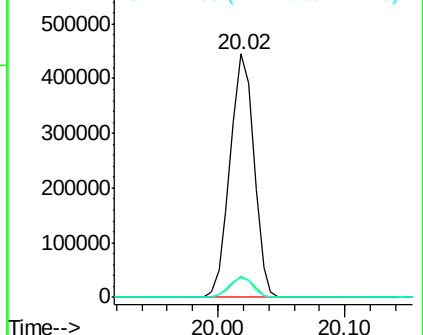
#78  
 Terphenyl-d14  
 Concen: 95.03 ng  
 RT: 20.02 min Scan# 2924  
 Delta R.T. 0.00 min  
 Lab File: BG019139.D  
 Acq: 11 Oct 2015 4:48

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:244 Resp: 579701  
 Ion Ratio Lower Upper  
 244 100  
 212 8.5 6.8 10.2  
 122 8.3 7.4 11.2

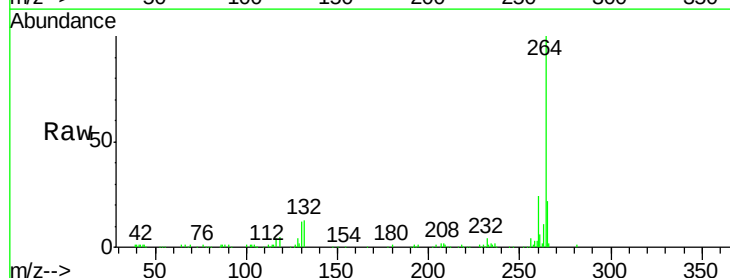


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 24.90 min Scan# 3755  
 Delta R.T. -0.00 min  
 Lab File: BG019139.D  
 Acq: 11 Oct 2015 4:48

Tgt Ion:264 Resp: 158878  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 20.1 30.1  
 265 21.8 17.2 25.8



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

