

Data Path : Z:\HPCHEM1\BNA\_G\Data\BG012615\  
 Data File : BG015941.D  
 Acq On : 27 Jan 2015 10:53  
 Operator : TP/IZ  
 Sample : G1139-05  
 Misc : S  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 121B3

Quant Time: Jan 27 13:01:12 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG012015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 20 17:47:40 2015  
 Response via : Initial Calibration

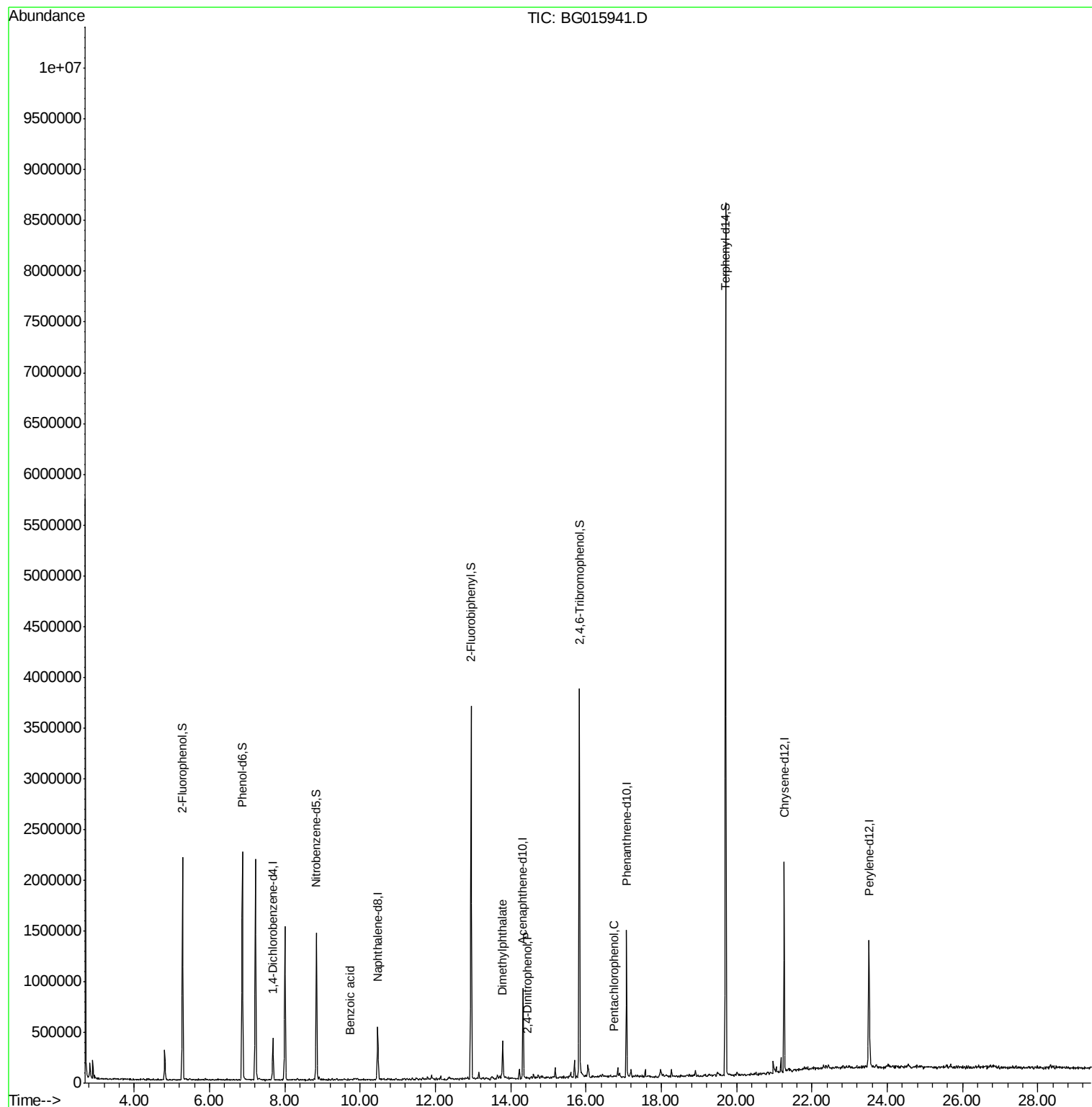
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.68  | 152  | 81480    | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.47 | 136  | 323782   | 20.00     | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.33 | 164  | 266929   | 20.00     | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.08 | 188  | 757220   | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12            | 21.27 | 240  | 1066776  | 20.00     | ng    | 0.00     |
| 86) Perylene-d12            | 23.52 | 264  | 1044738  | 20.00     | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |           |       |          |
| 5) 2-Fluorophenol           | 5.28  | 112  | 710648   | 129.88    | ng    | 0.00     |
| 7) Phenol-d6                | 6.87  | 99   | 1122742  | 127.33    | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.84  | 82   | 852533   | 75.90     | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.83 | 330  | 676573   | 138.46    | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.95 | 172  | 1564977  | 91.99     | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.71 | 244  | 3190443  | 85.15     | ng    | 0.00     |
| Target Compounds            |       |      |          |           |       |          |
| 32) Benzoic acid            | 9.75  | 122  | 108      | 10.32     | ng    | # 1      |
| 49) Dimethylphthalate       | 13.79 | 163  | 182933   | 9.52      | ng    | 100      |
| 53) 2,4-Dinitrophenol       | 14.43 | 184  | 60       | 4.52      | ng    | # 1      |
| 69) Pentachlorophenol       | 16.74 | 266  | 184      | 5.26      | ng    | # 17     |
| 80) Benzo(a)anthracene      | 21.26 | 228  | 5095     | Below Cal |       | # 59     |

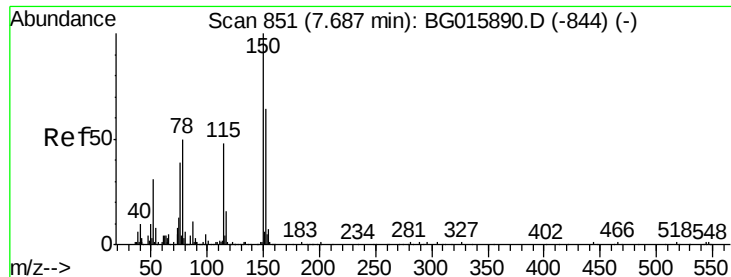
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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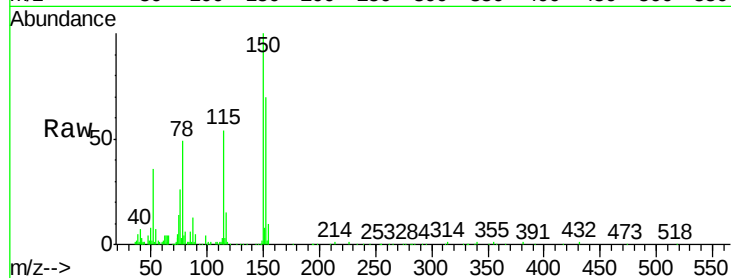


#1

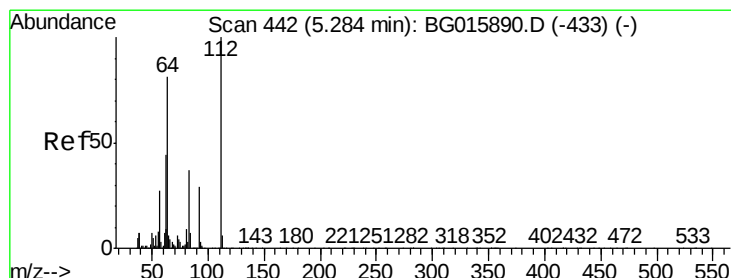
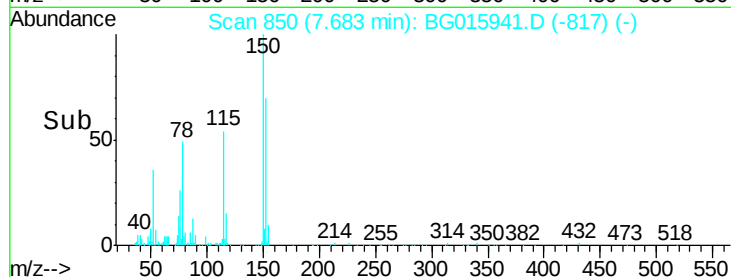
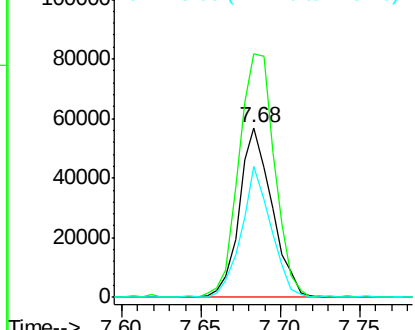
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.68 min Scan# 850  
Delta R.T. -0.00 min  
Lab File: BG015941.D  
Acq: 27 Jan 2015 10:53

Instrument :  
BNA\_G  
ClientSampleId :  
121B3

Tgt Ion:152 Resp: 81480  
Ion Ratio Lower Upper  
152 100  
150 143.4 124.5 186.7  
115 76.8 60.4 90.6



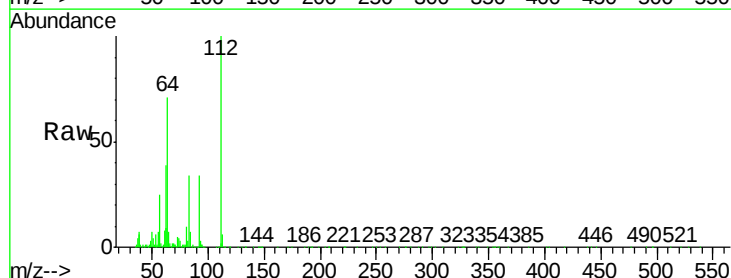
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



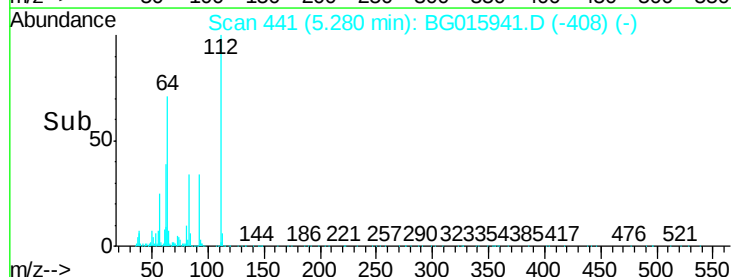
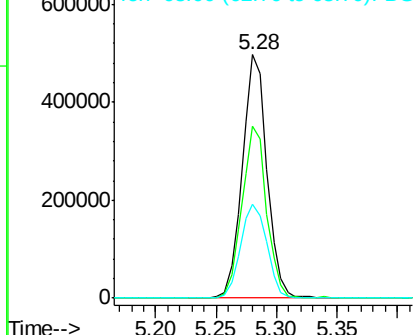
#5

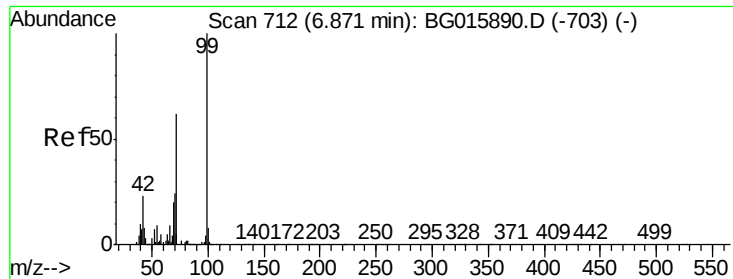
2-Fluorophenol  
Concen: 129.88 ng  
RT: 5.28 min Scan# 441  
Delta R.T. -0.00 min  
Lab File: BG015941.D  
Acq: 27 Jan 2015 10:53

Tgt Ion:112 Resp: 710648  
Ion Ratio Lower Upper  
112 100  
64 70.6 64.4 96.6  
63 38.5 35.1 52.7



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: 127.33 ng

RT: 6.87 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG015941.D

Acq: 27 Jan 2015 10:53

Instrument :

BNA\_G

ClientSampleId :

121B3

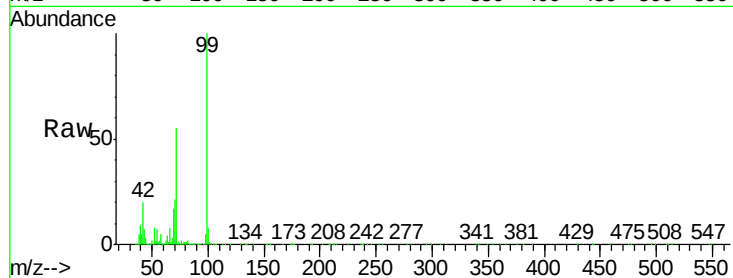
Tgt Ion: 99 Resp: 1122742

Ion Ratio Lower Upper

99 100

42 19.7 18.1 27.1

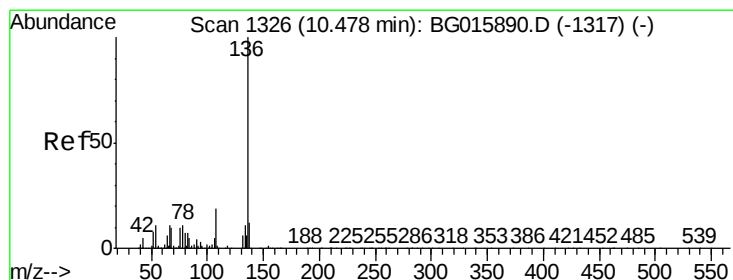
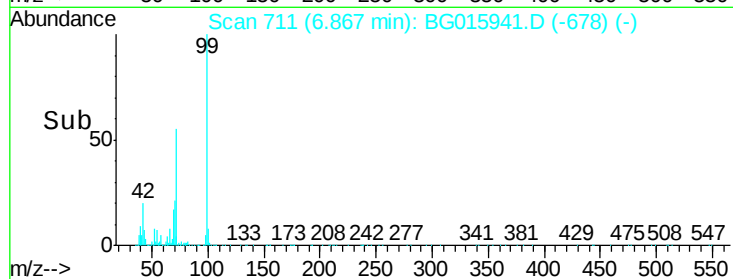
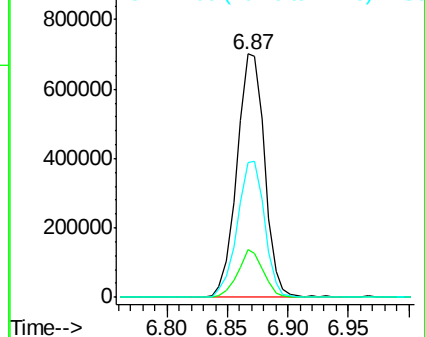
71 55.3 49.8 74.8



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: 20.00 ng

RT: 10.47 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BG015941.D

Acq: 27 Jan 2015 10:53

Tgt Ion: 136 Resp: 323782

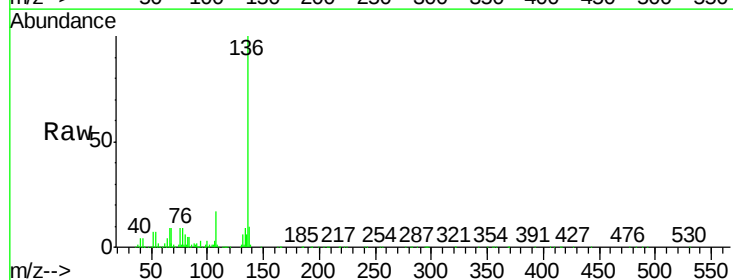
Ion Ratio Lower Upper

136 100

137 10.0 9.7 14.5

54 7.2 8.5 12.7#

68 9.2 8.0 12.0

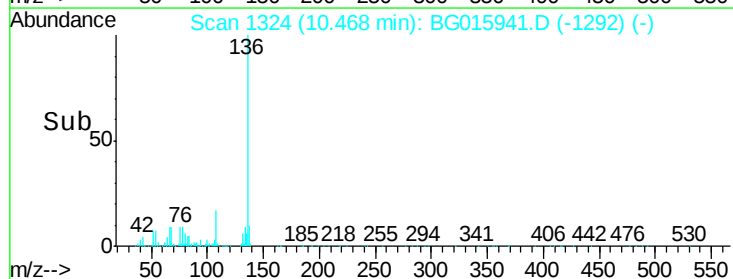
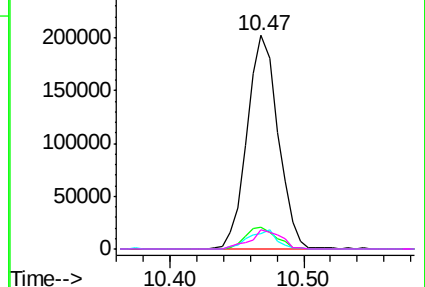


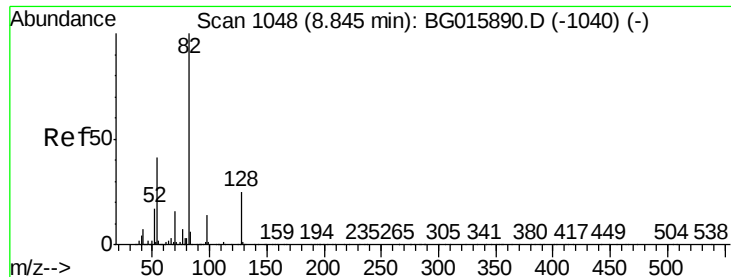
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

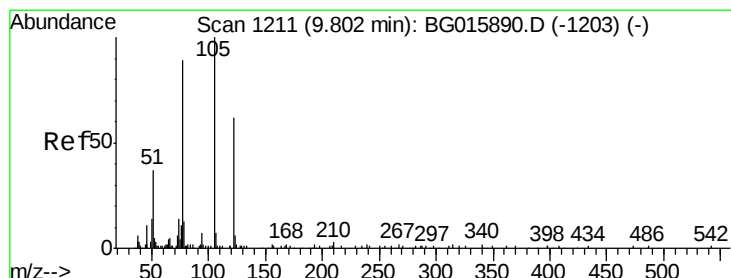
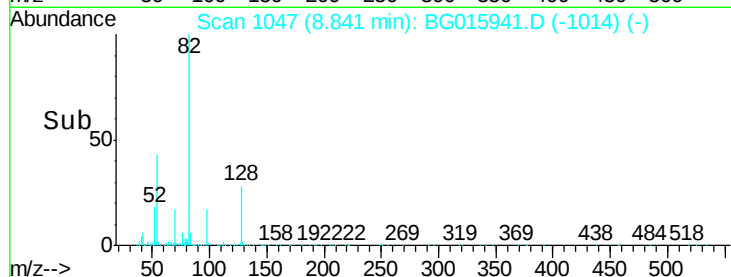
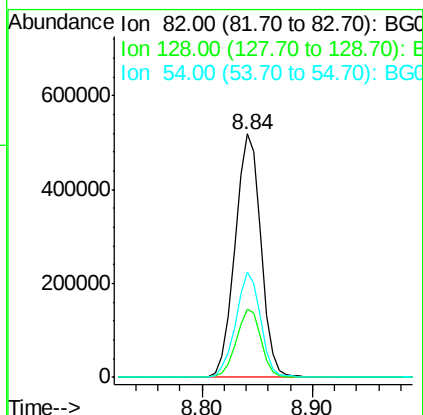
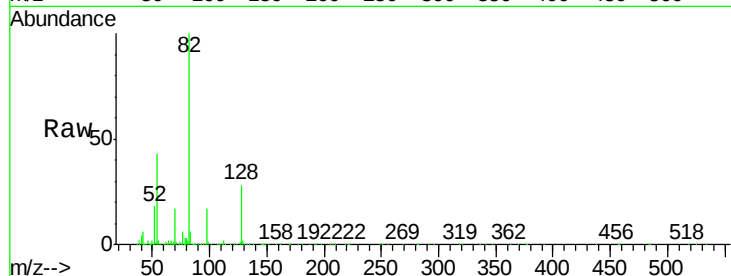




#23  
Nitrobenzene-d5  
Concen: 75.90 ng  
RT: 8.84 min Scan# 1047  
Delta R.T. -0.00 min  
Lab File: BG015941.D  
Acq: 27 Jan 2015 10:53

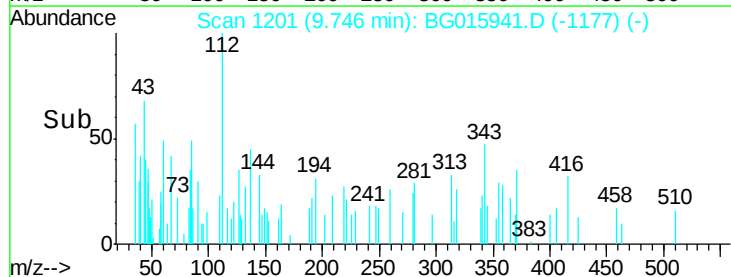
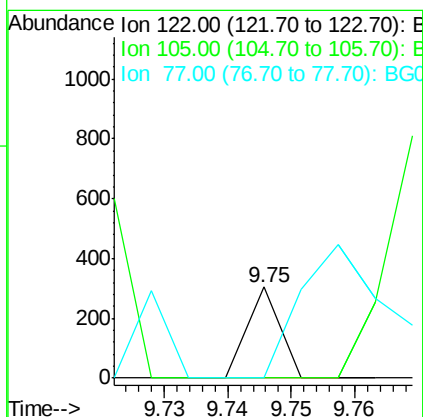
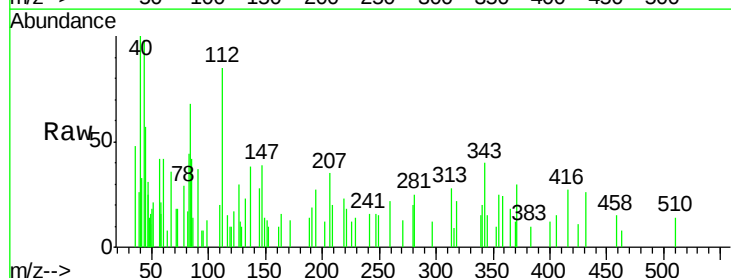
Instrument :  
BNA\_G  
ClientSampleId :  
121B3

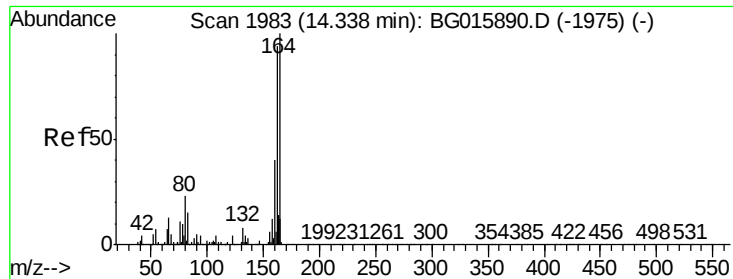
Tgt Ion: 82 Resp: 852533  
Ion Ratio Lower Upper  
82 100  
128 27.9 19.8 29.8  
54 43.2 33.0 49.4



#32  
Benzoic acid  
Concen: 10.32 ng  
RT: 9.75 min Scan# 1201  
Delta R.T. -0.06 min  
Lab File: BG015941.D  
Acq: 27 Jan 2015 10:53

Tgt Ion: 122 Resp: 108  
Ion Ratio Lower Upper  
122 100  
105 0.0 140.2 180.2#  
77 0.0 126.4 166.4#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.33 min Scan# 1981

Delta R.T. -0.01 min

Lab File: BG015941.D

Acq: 27 Jan 2015 10:53

Instrument :

BNA\_G

ClientSampleId :

121B3

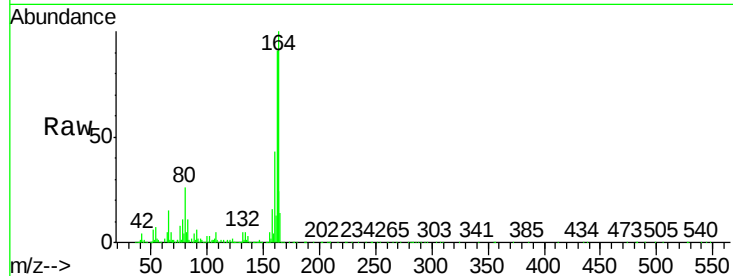
Tgt Ion:164 Resp: 266929

Ion Ratio Lower Upper

164 100

162 91.5 75.1 112.7

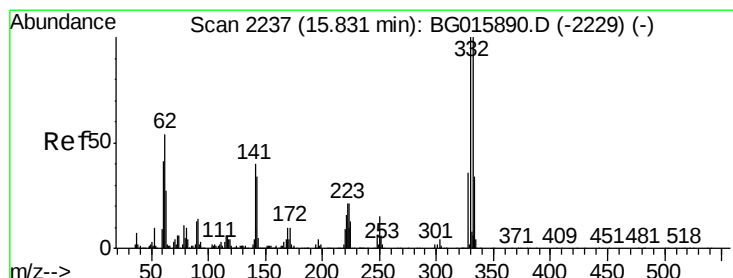
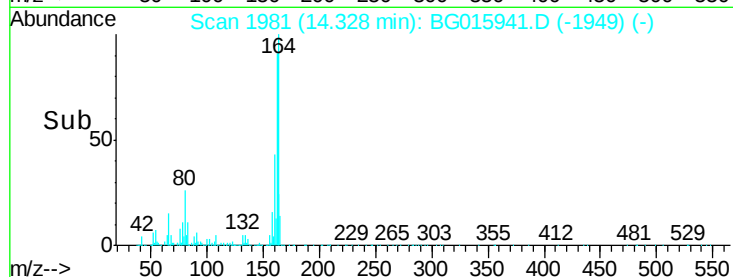
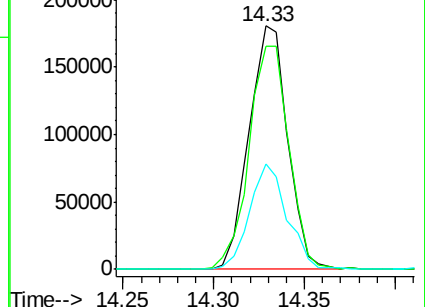
160 43.1 32.3 48.5



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: 138.46 ng

RT: 15.83 min Scan# 2236

Delta R.T. -0.00 min

Lab File: BG015941.D

Acq: 27 Jan 2015 10:53

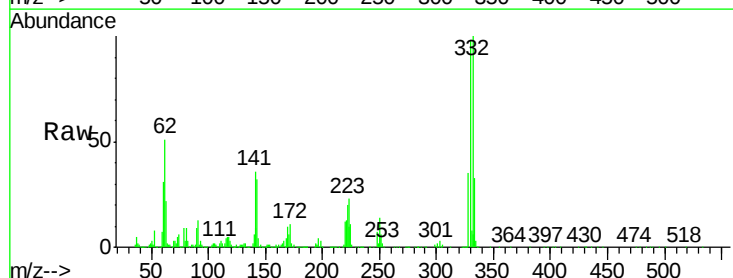
Tgt Ion:330 Resp: 676573

Ion Ratio Lower Upper

330 100

332 96.2 75.4 113.0

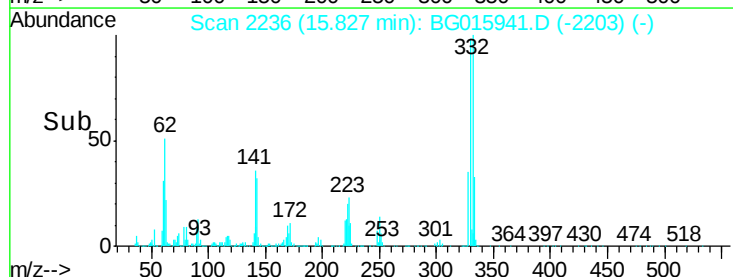
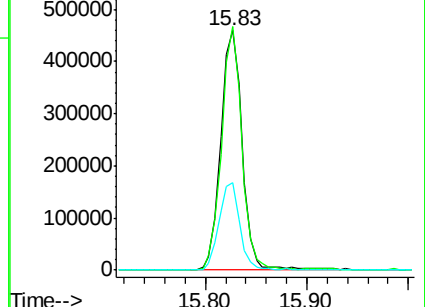
141 34.9 33.0 49.6

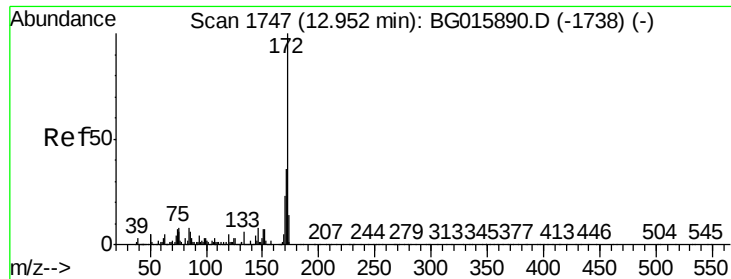


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

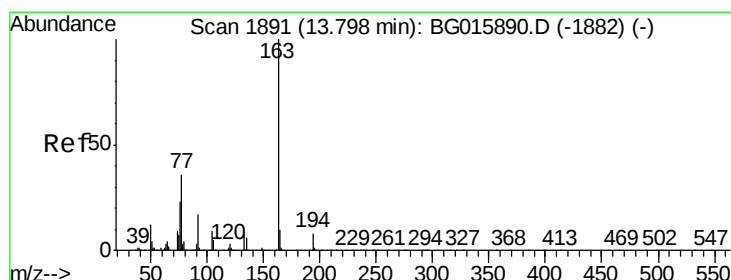
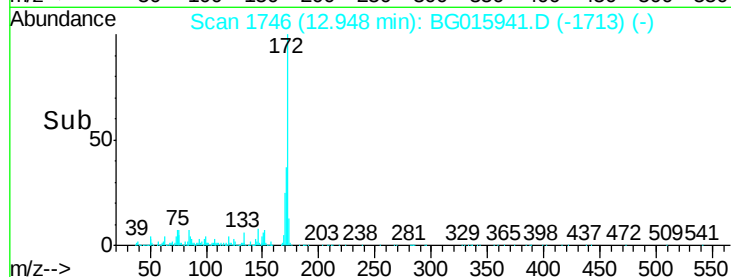
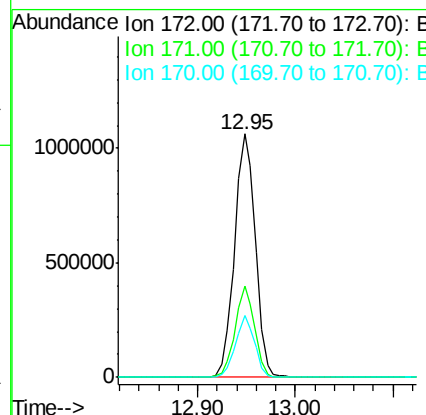
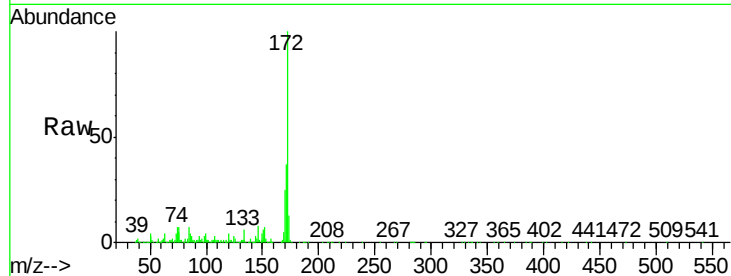




#44  
2-Fluorobiphenyl  
Concen: 91.99 ng  
RT: 12.95 min Scan# 1746  
Delta R.T. -0.00 min  
Lab File: BG015941.D  
Acq: 27 Jan 2015 10:53

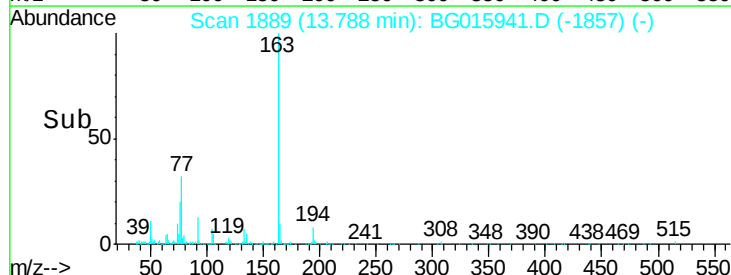
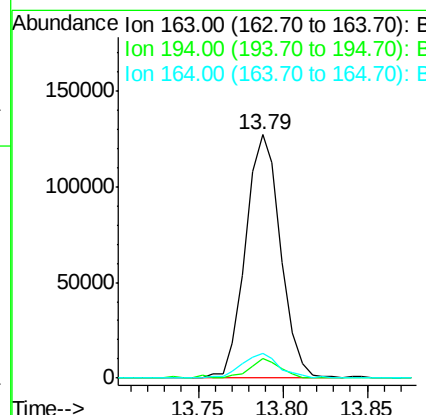
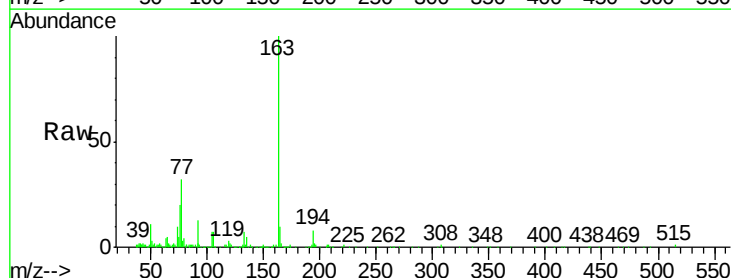
Instrument :  
BNA\_G  
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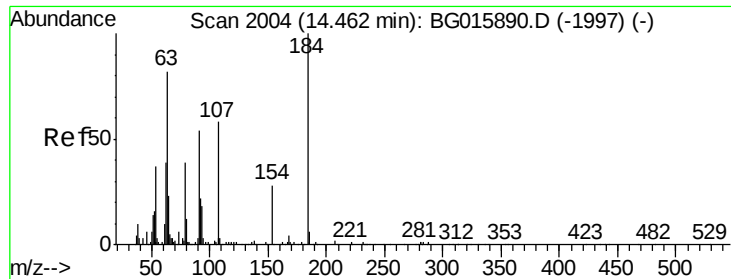
Tgt Ion:172 Resp: 1564977  
Ion Ratio Lower Upper  
172 100  
171 37.3 29.2 43.8  
170 25.3 18.6 27.8



#49  
Dimethylphthalate  
Concen: 9.52 ng  
RT: 13.79 min Scan# 1889  
Delta R.T. -0.01 min  
Lab File: BG015941.D  
Acq: 27 Jan 2015 10:53

Tgt Ion:163 Resp: 182933  
Ion Ratio Lower Upper  
163 100  
194 7.9 6.2 9.4  
164 9.9 8.0 12.0

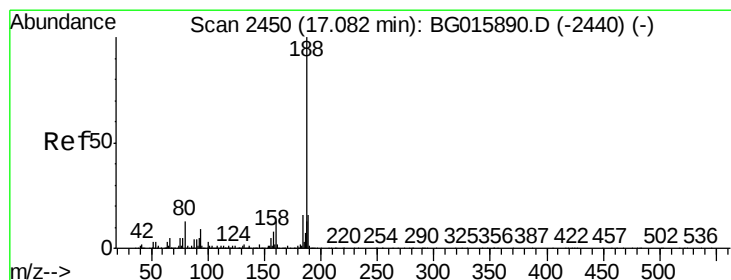
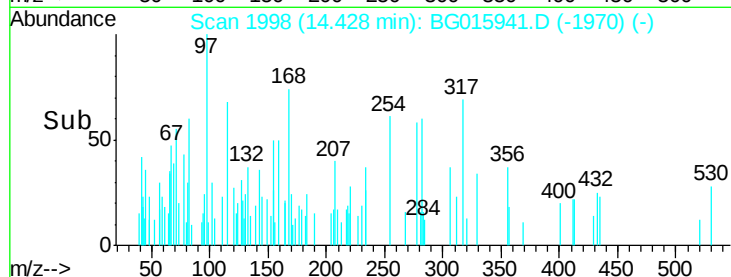
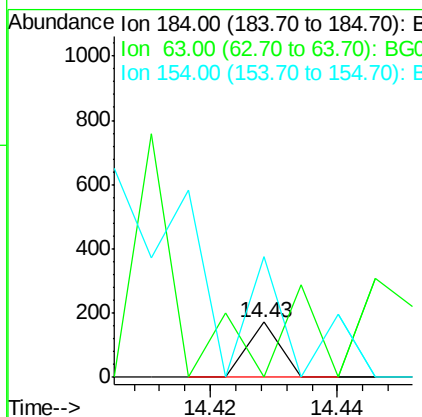
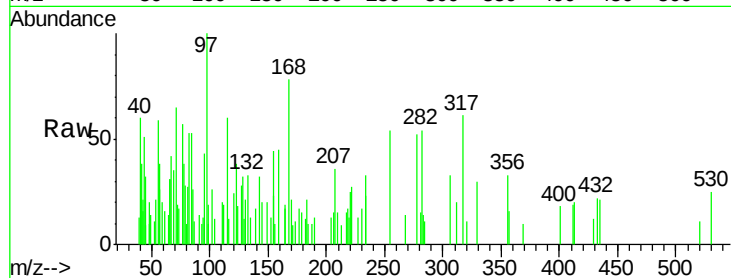




#53  
2,4-Dinitrophenol  
Concen: 4.52 ng  
RT: 14.43 min Scan# 1998  
Delta R.T. -0.03 min  
Lab File: BG015941.D  
Acq: 27 Jan 2015 10:53

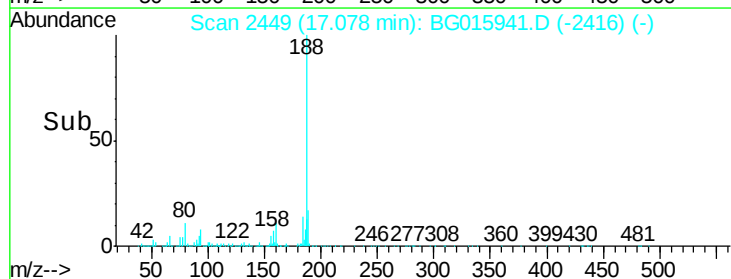
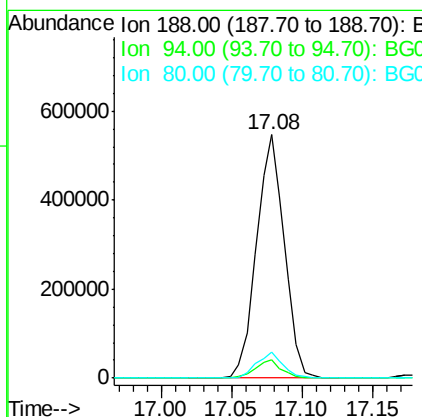
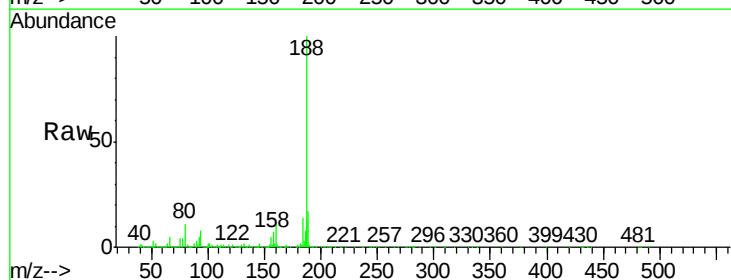
Instrument :  
BNA\_G  
ClientSampled :  
121B3

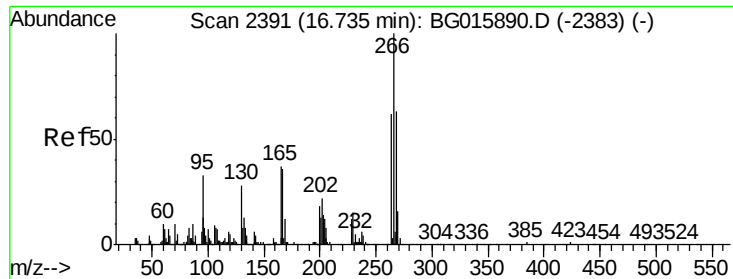
Tgt Ion:184 Resp: 60  
Ion Ratio Lower Upper  
184 100  
63 0.0 68.6 103.0#  
154 219.3 54.9 82.3#



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.08 min Scan# 2449  
Delta R.T. -0.00 min  
Lab File: BG015941.D  
Acq: 27 Jan 2015 10:53

Tgt Ion:188 Resp: 757220  
Ion Ratio Lower Upper  
188 100  
94 7.6 7.8 11.8#  
80 10.8 10.6 16.0





#69

Pentachlorophenol

Concen: 5.26 ng

RT: 16.74 min Scan# 2391

Delta R.T. 0.00 min

Lab File: BG015941.D

Acq: 27 Jan 2015 10:53

Instrument :

BNA\_G

ClientSampleId :

121B3

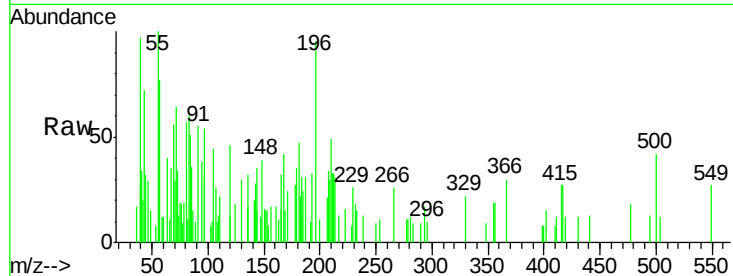
Tgt Ion:266 Resp: 184

Ion Ratio Lower Upper

266 100

268 0.0 53.5 80.3#

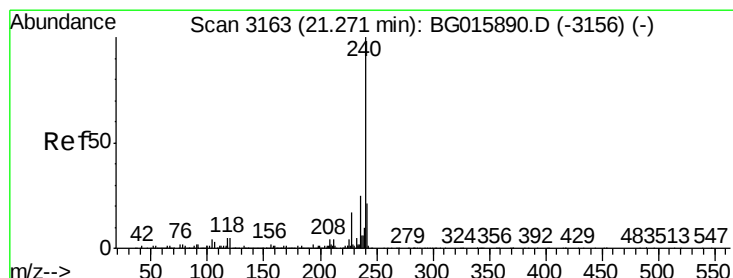
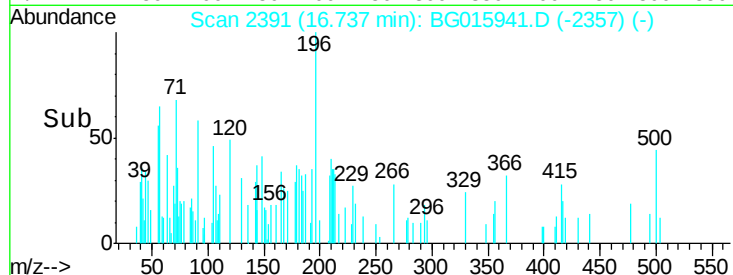
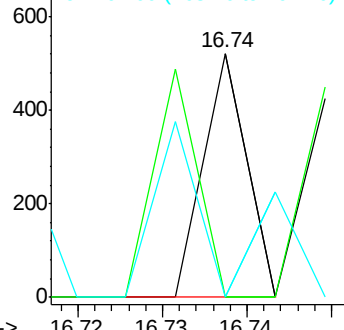
264 0.0 51.9 77.9#



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: 20.00 ng

RT: 21.27 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG015941.D

Acq: 27 Jan 2015 10:53

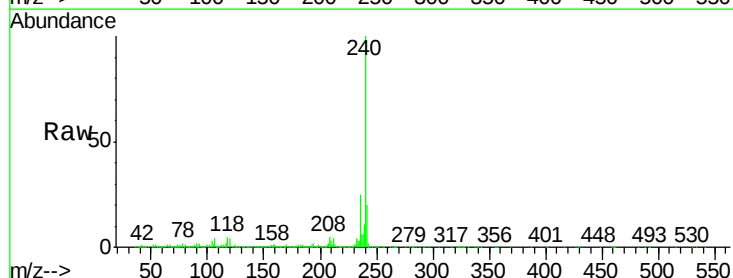
Tgt Ion:240 Resp: 1066776

Ion Ratio Lower Upper

240 100

120 4.3 3.9 5.9

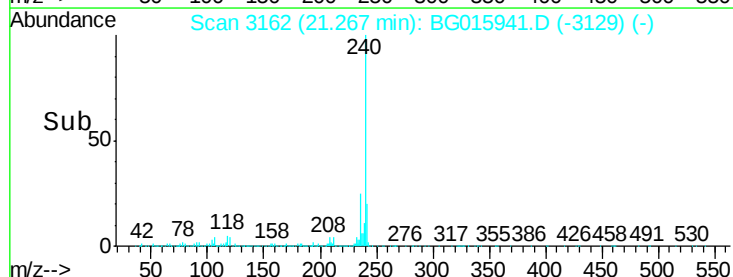
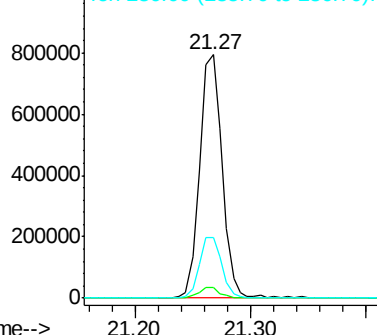
236 24.9 20.0 30.0

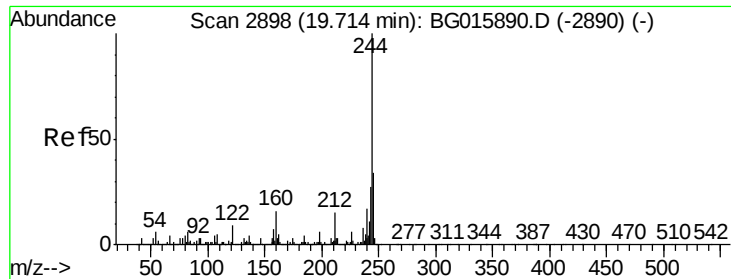


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 85.15 ng

RT: 19.71 min Scan# 2897

Delta R.T. -0.00 min

Lab File: BG015941.D

Acq: 27 Jan 2015 10:53

Instrument :

BNA\_G

ClientSampleId :

121B3

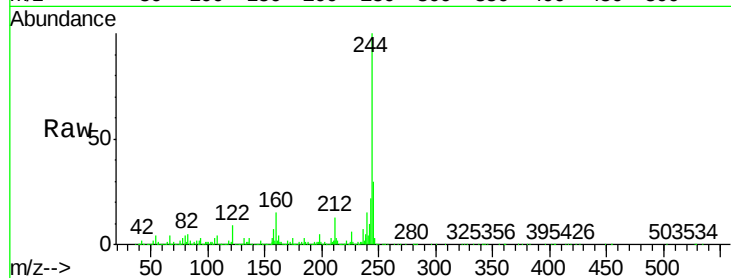
Tgt Ion:244 Resp: 3190443

Ion Ratio Lower Upper

244 100

212 13.3 11.6 17.4

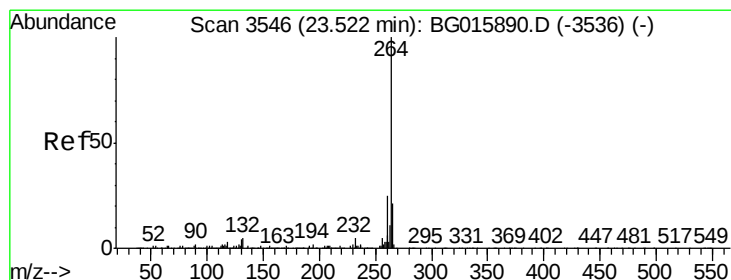
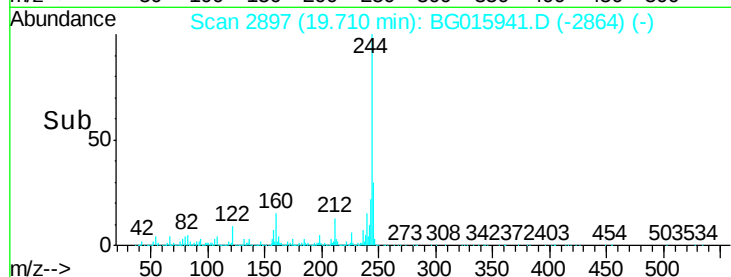
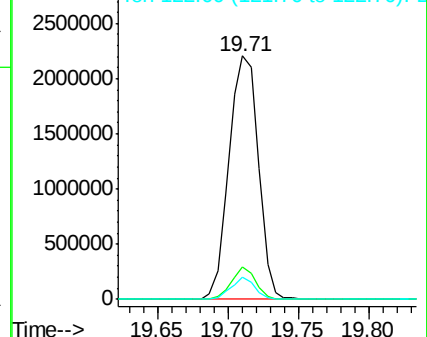
122 9.3 7.0 10.4



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: 23.52 min Scan# 3545

Delta R.T. -0.00 min

Lab File: BG015941.D

Acq: 27 Jan 2015 10:53

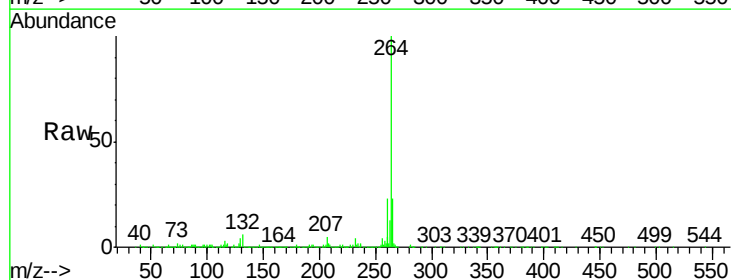
Tgt Ion:264 Resp: 1044738

Ion Ratio Lower Upper

264 100

260 22.6 19.7 29.5

265 23.5 17.3 25.9



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

