

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG071516\  
 Data File : BG023135.D  
 Acq On : 16 Jul 2016 6:57  
 Operator : UM/SJ  
 Sample : H4015-12  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C5-22

Quant Time: Jul 18 01:00:34 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG070816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 12 18:30:58 2016  
 Response via : Initial Calibration

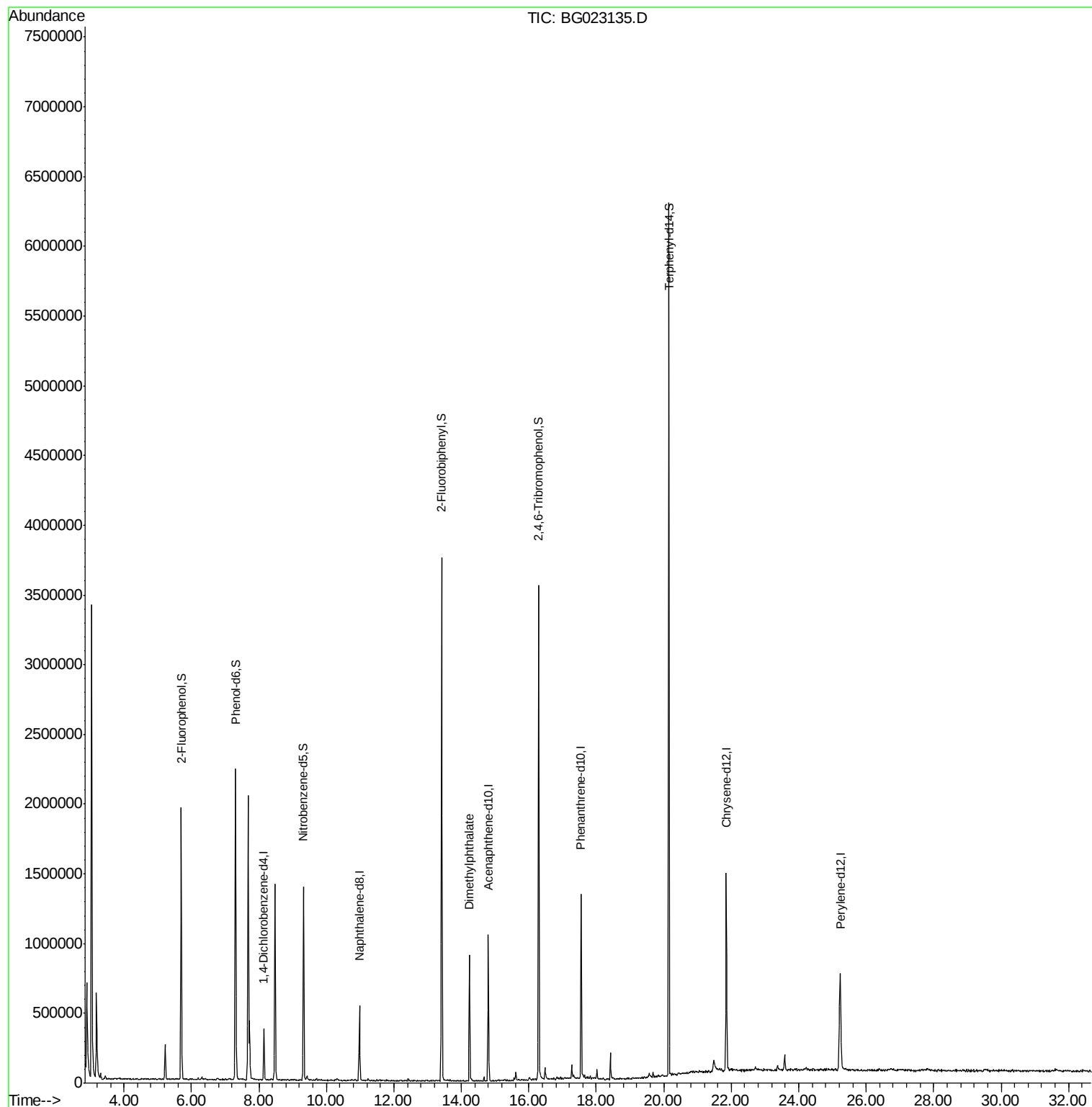
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.15  | 152  | 90385    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 10.98 | 136  | 445341   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.80 | 164  | 350041   | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 17.55 | 188  | 820437   | 20.00  | ng    | -0.01        |
| 75) Chrysene-d12            | 21.85 | 240  | 874330   | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 25.23 | 264  | 867391   | 20.00  | ng    | 0.04         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.70  | 112  | 762534   | 137.98 | ng    | 0.00         |
| 7) Phenol-d6                | 7.31  | 99   | 1245489  | 143.89 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 9.32  | 82   | 903240   | 86.85  | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 16.29 | 330  | 630998   | 100.30 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 13.42 | 172  | 1800387  | 81.01  | ng    | 0.00         |
| 78) Terphenyl-d14           | 20.15 | 244  | 2369780  | 86.57  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 14.24 | 163  | 562636   | 19.68  | ng    | Qvalue<br>98 |

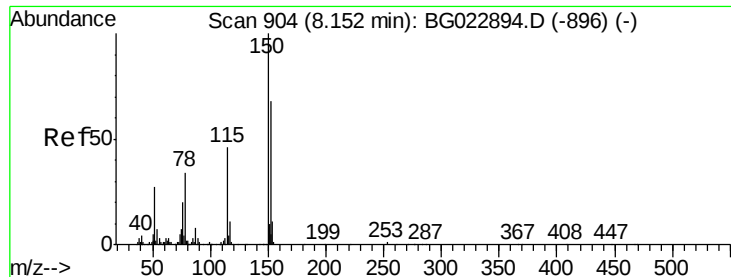
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG071516\  
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ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
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Quant Time: Jul 18 01:00:34 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG070816.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 12 18:30:58 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.15 min Scan# 904

Delta R.T. 0.00 min

Lab File: BG023135.D

Acq: 16 Jul 2016 6:57

Instrument :

BNA\_G

ClientSampleId :

C5-22

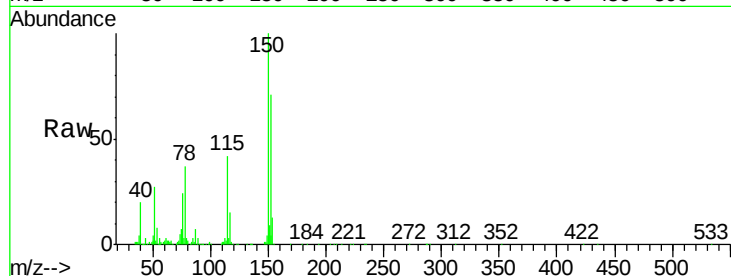
Tgt Ion:152 Resp: 90385

Ion Ratio Lower Upper

152 100

150 140.7 144.7 217.1#

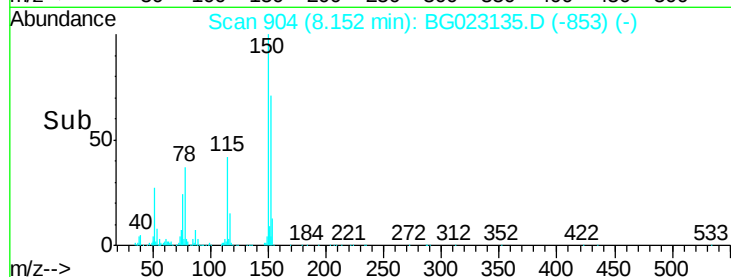
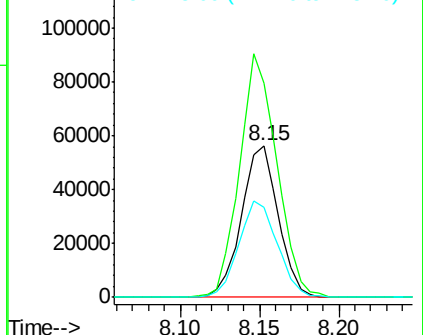
115 59.5 64.0 96.0#



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: 137.98 ng

RT: 5.70 min Scan# 486

Delta R.T. 0.00 min

Lab File: BG023135.D

Acq: 16 Jul 2016 6:57

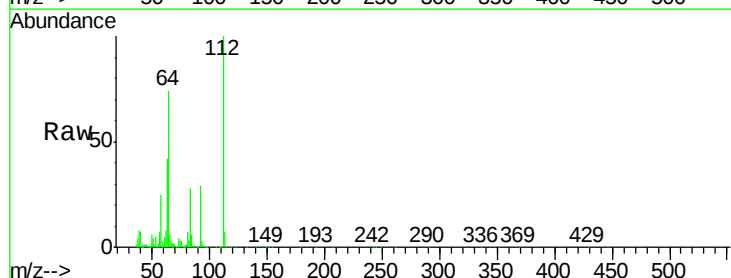
Tgt Ion:112 Resp: 762534

Ion Ratio Lower Upper

112 100

64 73.9 59.0 88.4

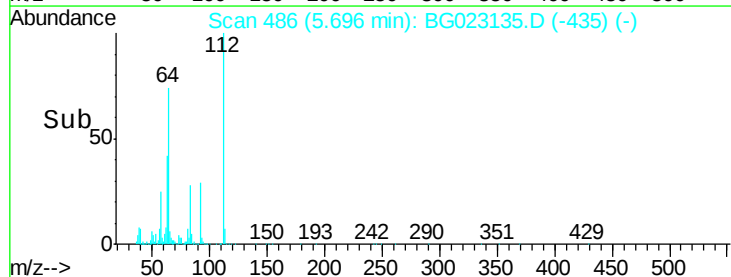
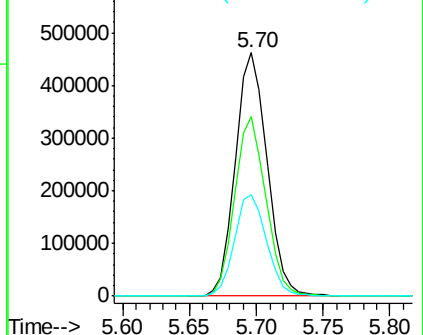
63 41.7 37.8 56.8

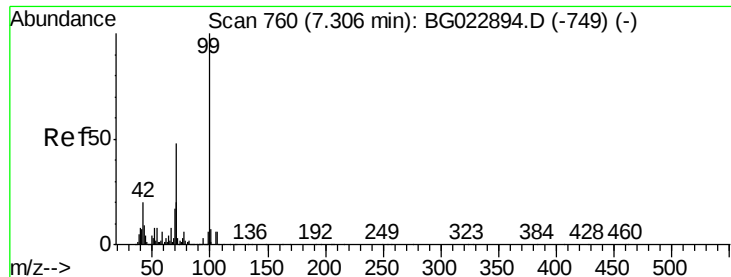


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 143.89 ng

RT: 7.31 min Scan# 760

Delta R.T. 0.00 min

Lab File: BG023135.D

Acq: 16 Jul 2016 6:57

Instrument :

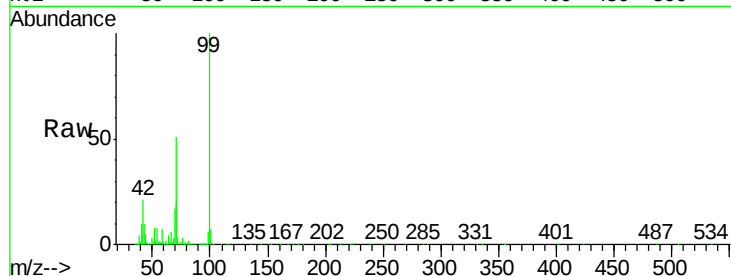
BNA\_G

ClientSampleId :

C5-22

Tgt Ion: 99 Resp: 1245489

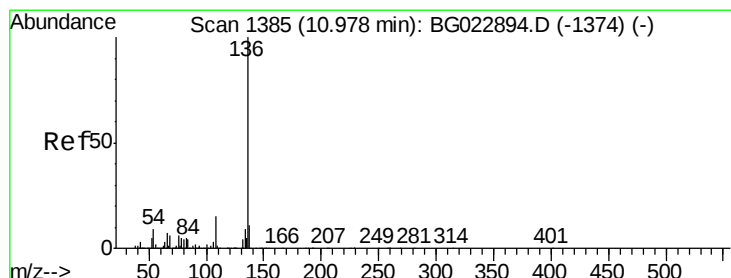
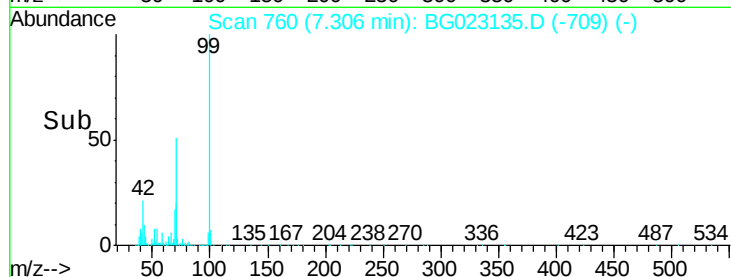
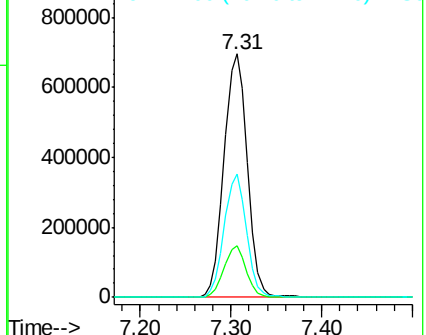
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 21.2  | 17.8  | 26.6  |
| 71  | 50.6  | 41.5  | 62.3  |



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: 10.98 min Scan# 1385

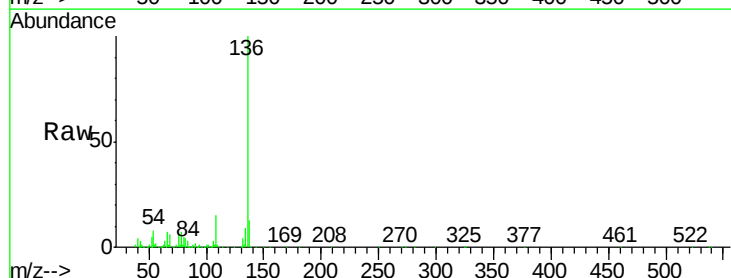
Delta R.T. 0.00 min

Lab File: BG023135.D

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Tgt Ion: 136 Resp: 445341

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 12.5  | 9.6   | 14.4  |
| 54  | 8.4   | 7.3   | 10.9  |
| 68  | 6.4   | 5.3   | 7.9   |

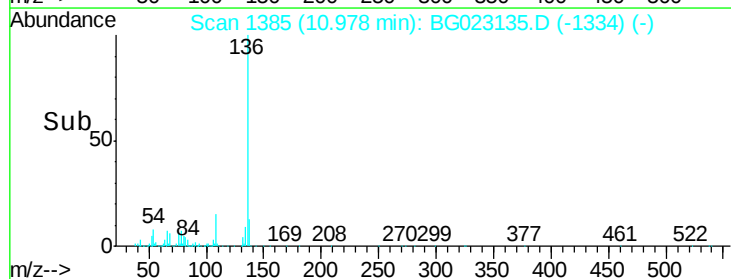
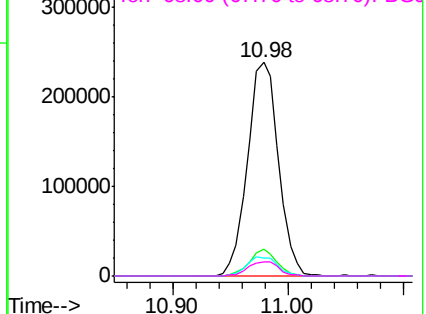


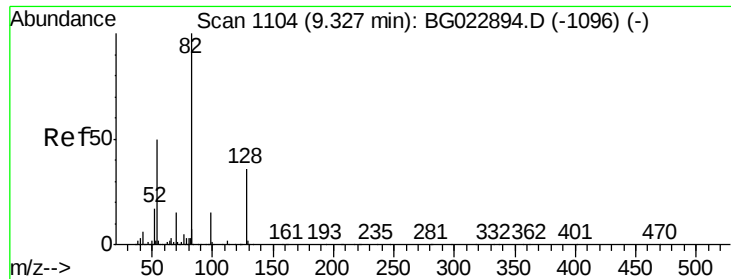
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

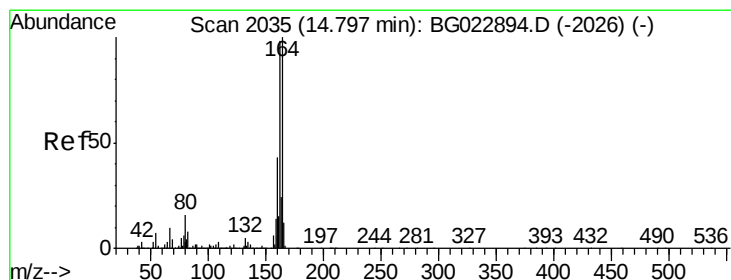
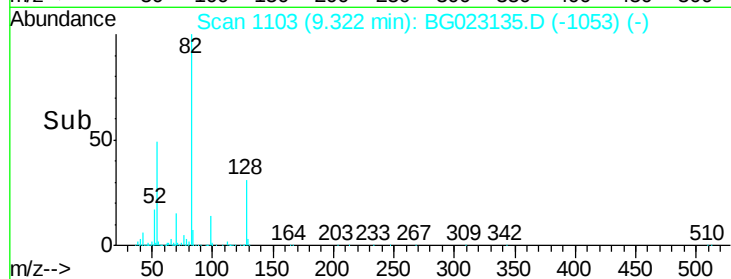
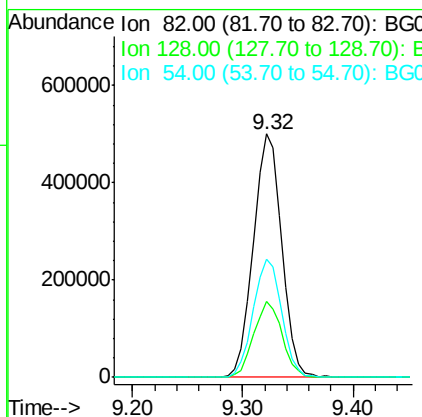
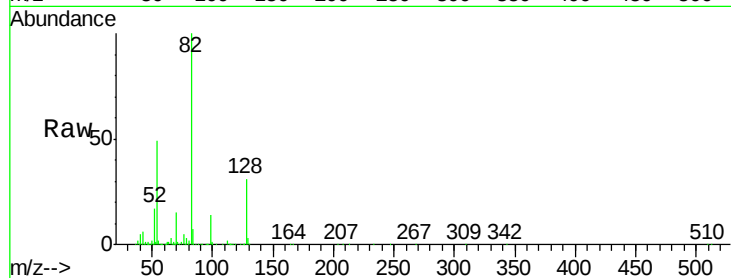




#23  
 Nitrobenzene-d5  
 Concen: 86.85 ng  
 RT: 9.32 min Scan# 1103  
 Delta R.T. -0.01 min  
 Lab File: BG023135.D  
 Acq: 16 Jul 2016 6:57

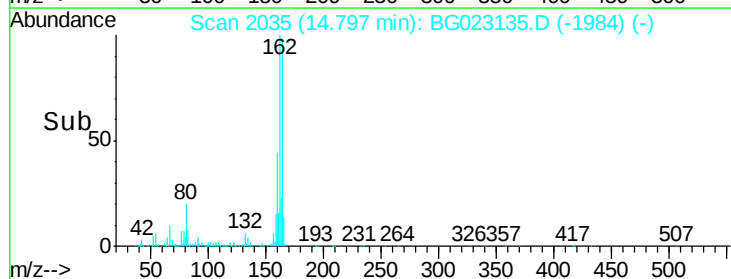
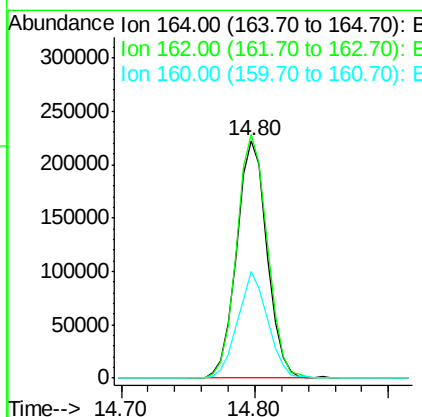
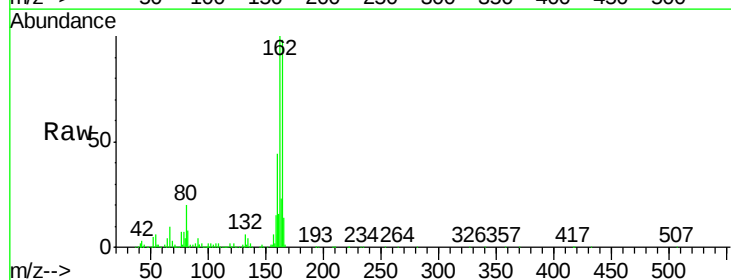
Instrument :  
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 C5-22

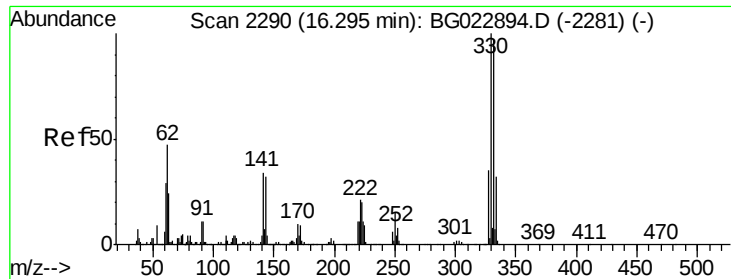
Tgt Ion: 82 Resp: 903240  
 Ion Ratio Lower Upper  
 82 100  
 128 31.4 24.4 36.6  
 54 48.8 41.4 62.0



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.80 min Scan# 2035  
 Delta R.T. 0.00 min  
 Lab File: BG023135.D  
 Acq: 16 Jul 2016 6:57

Tgt Ion: 164 Resp: 350041  
 Ion Ratio Lower Upper  
 164 100  
 162 102.4 87.7 131.5  
 160 44.6 37.2 55.8

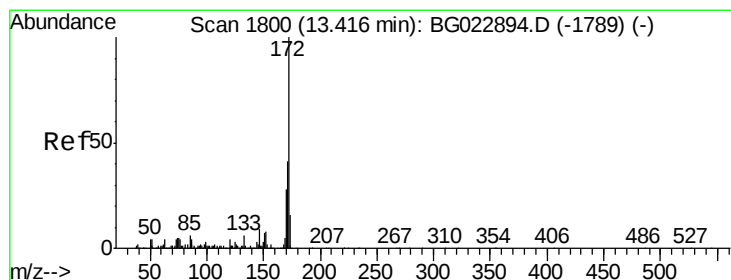
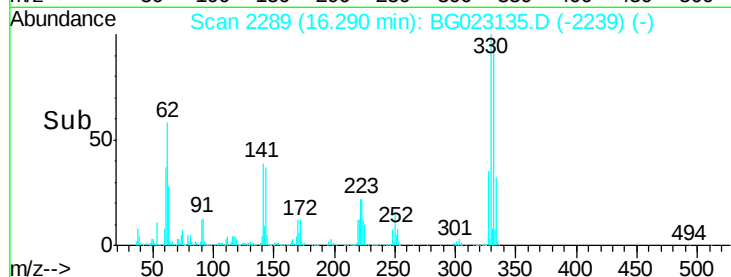
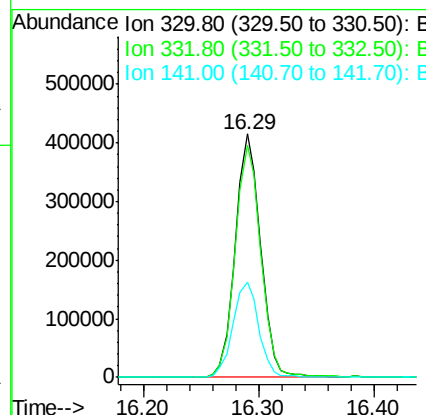
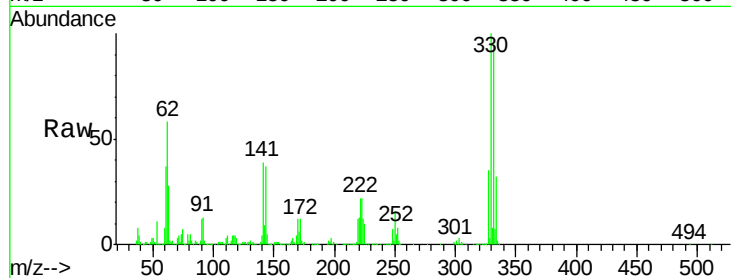




#41  
 2,4,6-Tribromophenol  
 Concen: 100.30 ng  
 RT: 16.29 min Scan# 2289  
 Delta R.T. -0.01 min  
 Lab File: BG023135.D  
 Acq: 16 Jul 2016 6:57

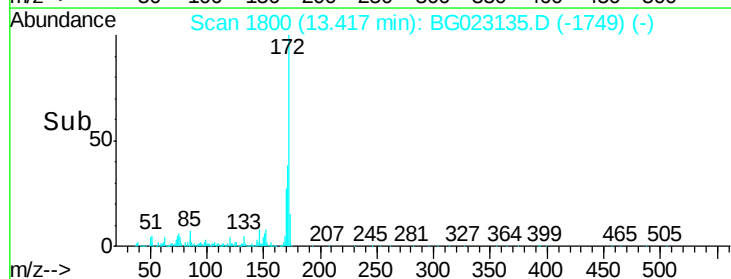
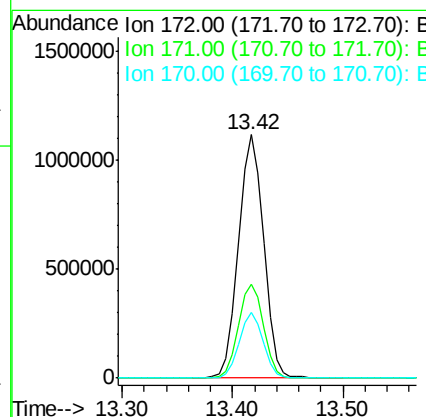
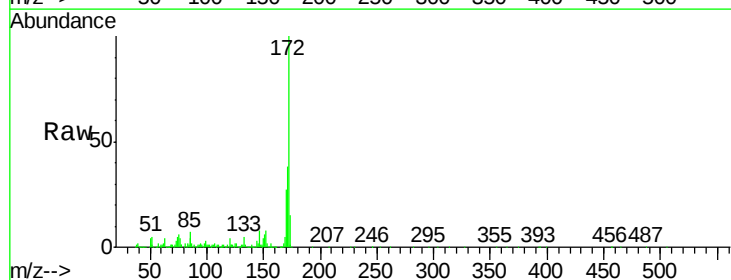
Instrument :  
 BNA\_G  
 ClientSampleId :  
 C5-22

Tgt Ion:330 Resp: 630998  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 77.4 116.2  
 141 39.7 31.7 47.5



#44  
 2-Fluorobiphenyl  
 Concen: 81.01 ng  
 RT: 13.42 min Scan# 1800  
 Delta R.T. 0.00 min  
 Lab File: BG023135.D  
 Acq: 16 Jul 2016 6:57

Tgt Ion:172 Resp: 1800387  
 Ion Ratio Lower Upper  
 172 100  
 171 38.3 31.6 47.4  
 170 27.1 21.3 31.9





#49

Dimethylphthalate

Concen: 19.68 ng

RT: 14.24 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BG023135.D

Acq: 16 Jul 2016 6:57

Instrument :

BNA\_G

ClientSampleId :

C5-22

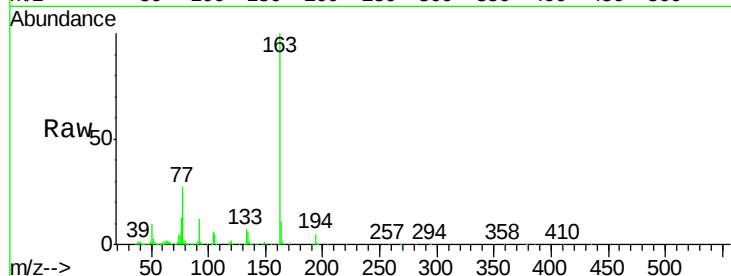
Tgt Ion:163 Resp: 562636

Ion Ratio Lower Upper

163 100

194 4.9 3.6 5.4

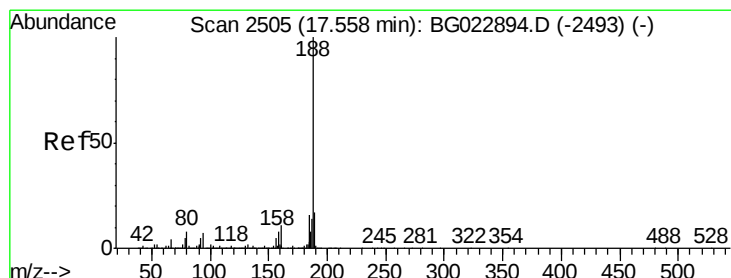
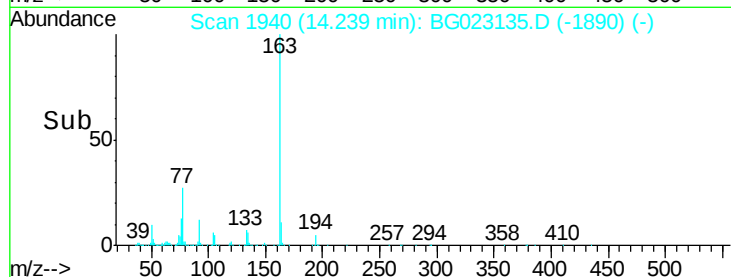
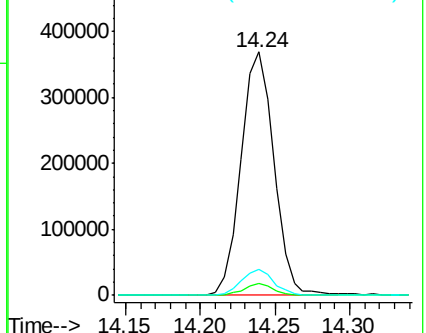
164 10.9 8.1 12.1



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: 20.00 ng

RT: 17.55 min Scan# 2503

Delta R.T. -0.01 min

Lab File: BG023135.D

Acq: 16 Jul 2016 6:57

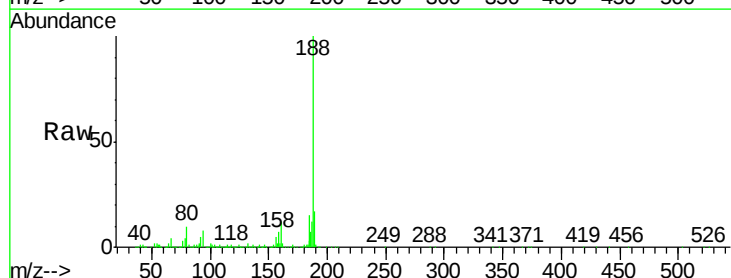
Tgt Ion:188 Resp: 820437

Ion Ratio Lower Upper

188 100

94 7.8 5.2 7.8

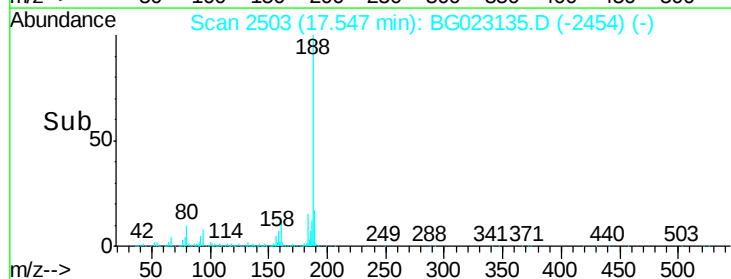
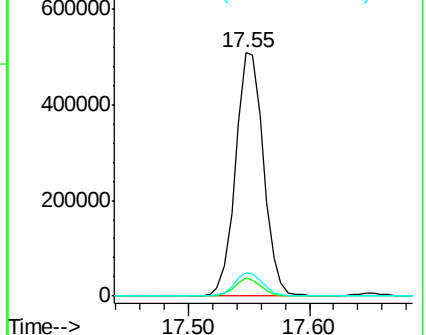
80 9.9 7.2 10.8

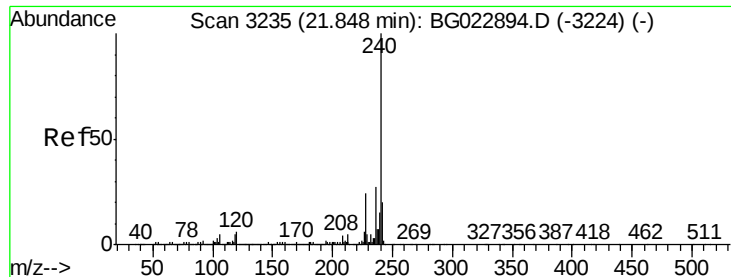


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.85 min Scan# 3236

Delta R.T. 0.01 min

Lab File: BG023135.D

Acq: 16 Jul 2016 6:57

Instrument :

BNA\_G

ClientSampleId :

C5-22

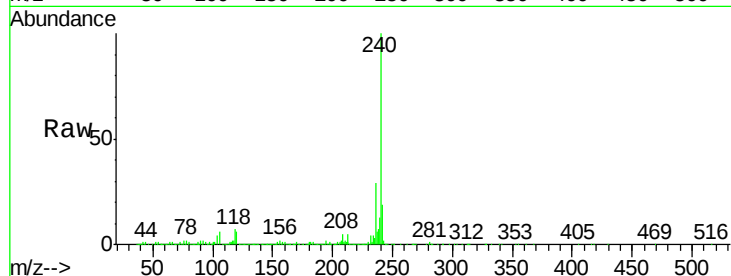
Tgt Ion:240 Resp: 874330

Ion Ratio Lower Upper

240 100

120 6.2 4.1 6.1#

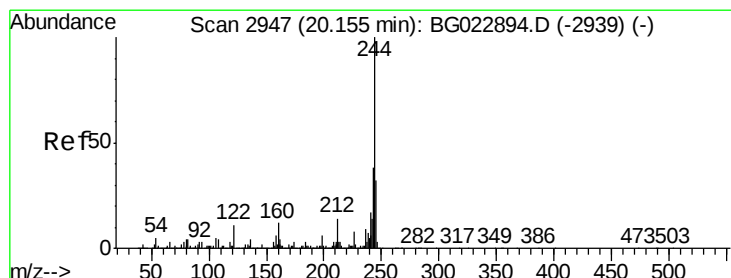
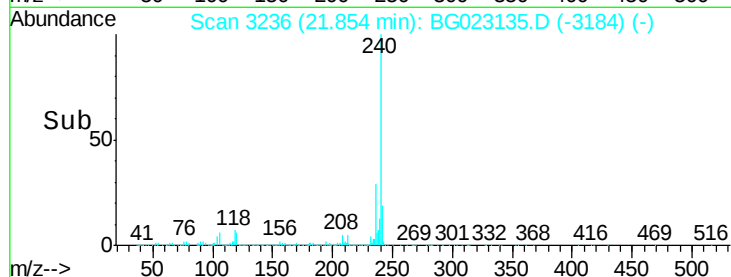
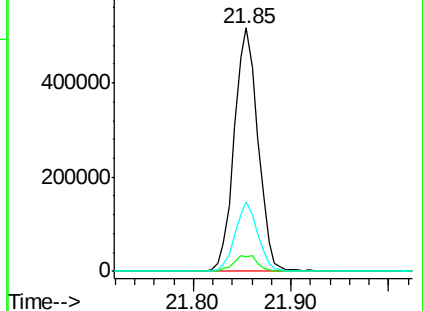
236 28.5 21.1 31.7



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: 86.57 ng

RT: 20.15 min Scan# 2946

Delta R.T. -0.00 min

Lab File: BG023135.D

Acq: 16 Jul 2016 6:57

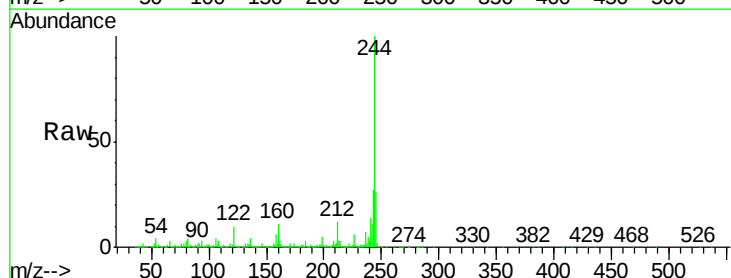
Tgt Ion:244 Resp: 2369780

Ion Ratio Lower Upper

244 100

212 12.3 10.8 16.2

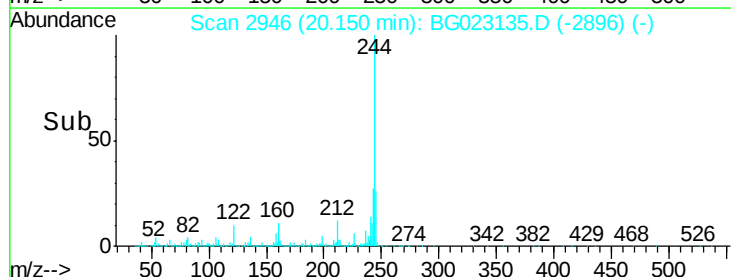
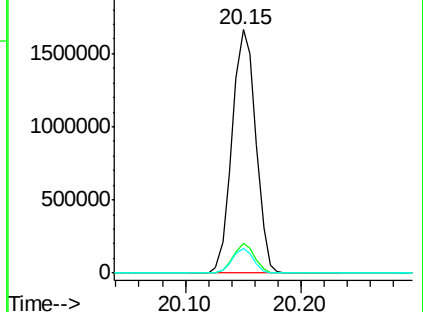
122 10.3 8.0 12.0

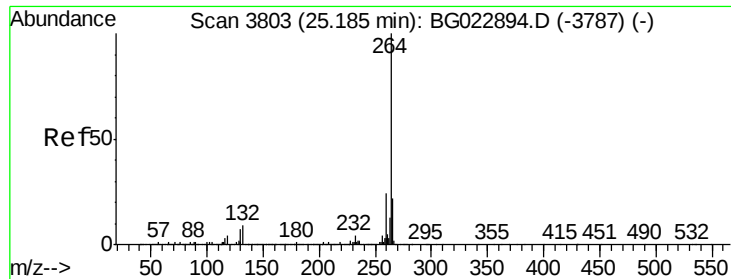


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.23 min Scan# 3810  
Delta R.T. 0.04 min  
Lab File: BG023135.D  
Acq: 16 Jul 2016 6:57

Instrument :  
BNA\_G  
ClientSampleId :  
C5-22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.2  | 18.4  | 27.6  |
| 265     | 20.4  | 18.9  | 28.3  |

