

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG061517\  
 Data File : BG027465.D  
 Acq On : 16 Jun 2017 6:16  
 Operator : SJ/MA  
 Sample : I3684-03  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 ROCKY-ROAD-COMP

Quant Time: Jun 16 07:30:39 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG061417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 14 19:09:08 2017  
 Response via : Initial Calibration

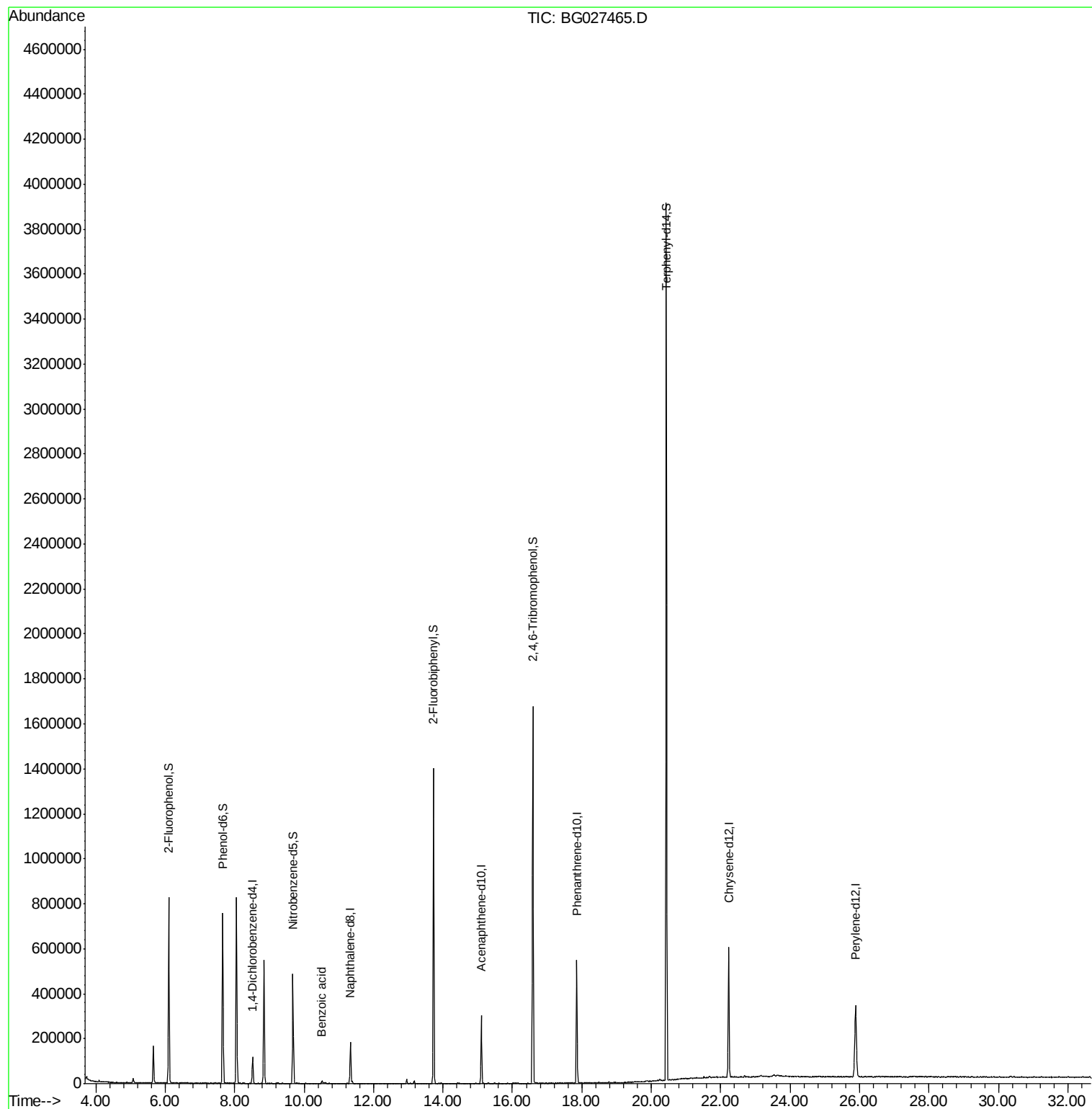
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.52  | 152  | 32875    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 11.34 | 136  | 154530   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.10 | 164  | 102838   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.85 | 188  | 327811   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.23 | 240  | 384841   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.89 | 264  | 377245   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.10  | 112  | 354727   | 152.49 | ng    | 0.00     |
| 7) Phenol-d6                | 7.66  | 99   | 473603   | 132.48 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.68  | 82   | 320728   | 105.82 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.59 | 330  | 322643   | 209.04 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.73 | 172  | 715069   | 100.45 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.43 | 244  | 1705920  | 113.61 | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 32) Benzoic acid            | 10.51 | 122  | 5523m    | 11.242 | ng    | Qvalue   |

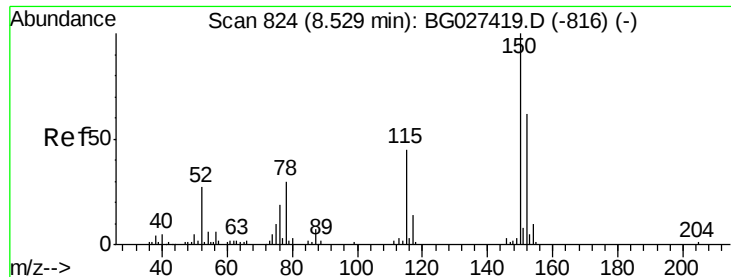
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG061517\  
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Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
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Response via : Initial Calibration



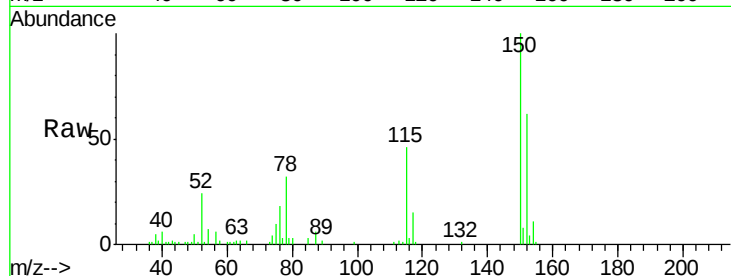


#1

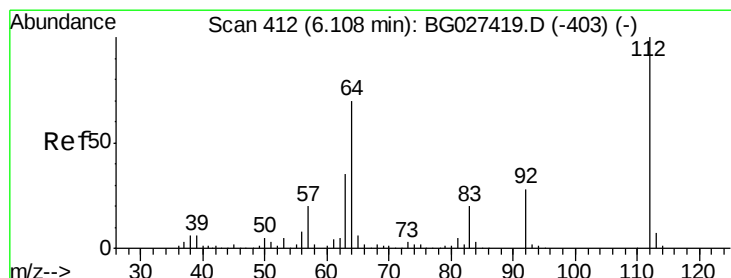
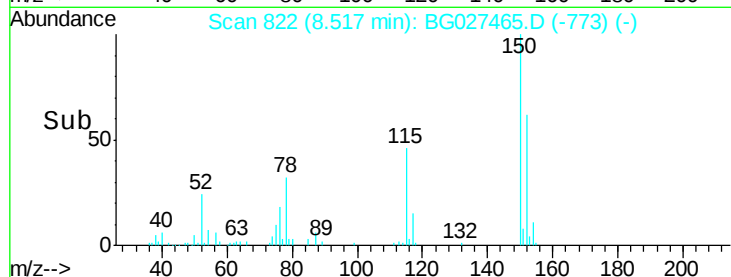
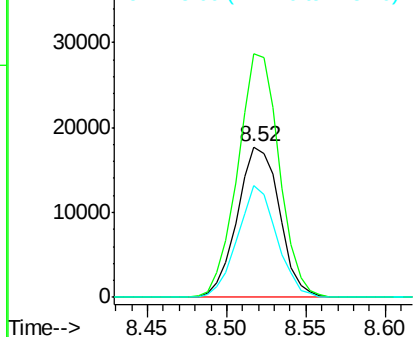
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.52 min Scan# 822  
Delta R.T. -0.01 min  
Lab File: BG027465.D  
Acq: 16 Jun 2017 6:16

Instrument :  
BNA\_G  
ClientSampleId :  
ROCKY-ROAD-COMP

Tgt Ion:152 Resp: 32875  
Ion Ratio Lower Upper  
152 100  
150 161.5 114.0 171.0  
115 74.4 48.1 72.1#



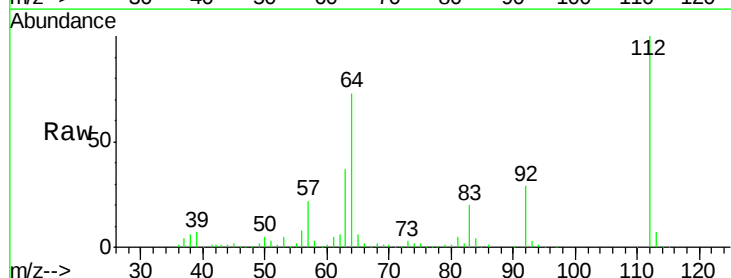
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



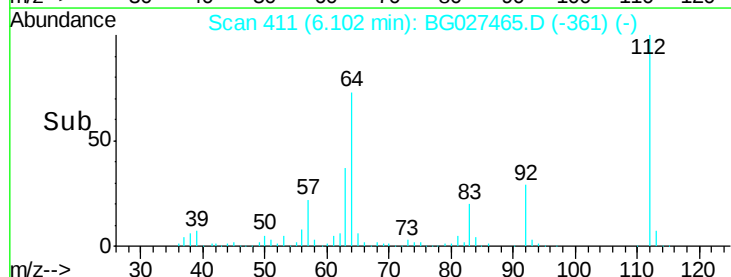
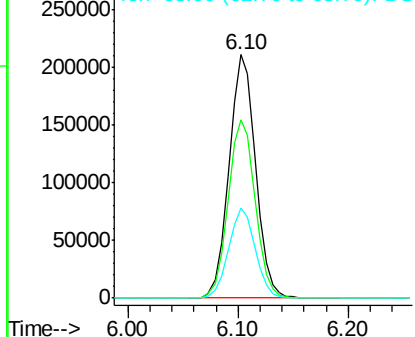
#5

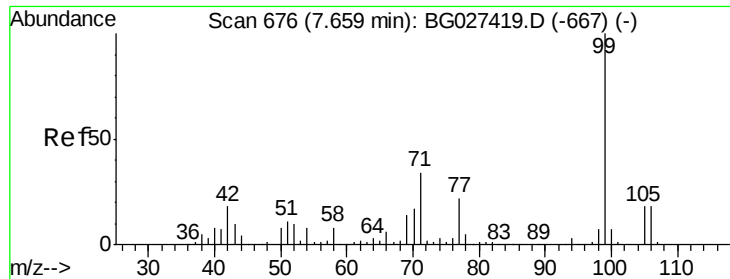
2-Fluorophenol  
Concen: 152.492 ng  
RT: 6.10 min Scan# 411  
Delta R.T. -0.00 min  
Lab File: BG027465.D  
Acq: 16 Jun 2017 6:16

Tgt Ion:112 Resp: 354727  
Ion Ratio Lower Upper  
112 100  
64 73.4 61.8 92.6  
63 37.1 37.2 55.8#



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: 132.479 ng

RT: 7.66 min Scan# 676

Delta R.T. 0.00 min

Lab File: BG027465.D

Acq: 16 Jun 2017 6:16

Instrument :

BNA\_G

ClientSampleId :

ROCKY-ROAD-COMP

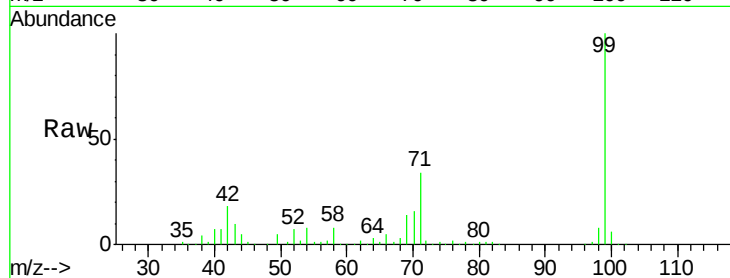
Tgt Ion: 99 Resp: 473603

Ion Ratio Lower Upper

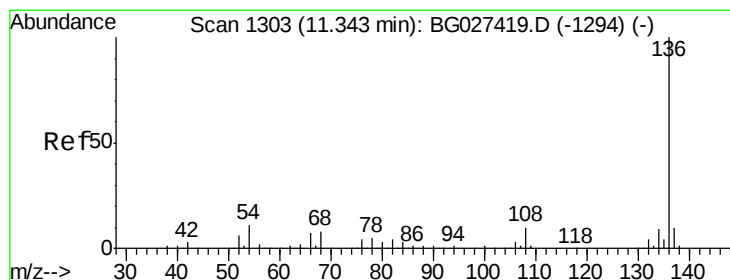
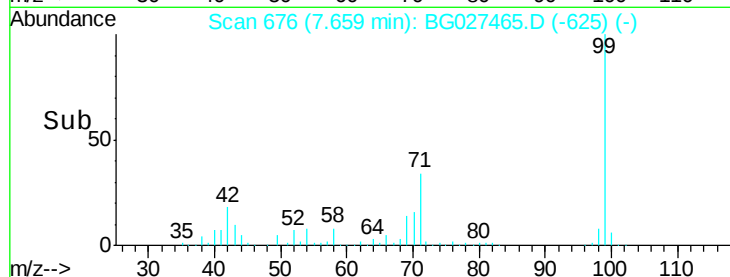
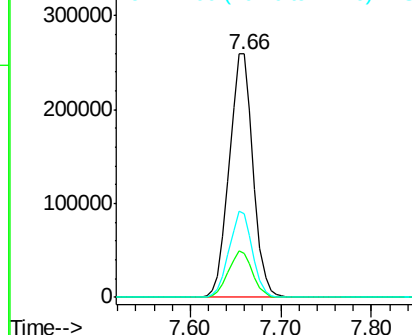
99 100

42 18.3 20.5 30.7#

71 34.1 37.6 56.4#



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: 20.000 ng

RT: 11.34 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BG027465.D

Acq: 16 Jun 2017 6:16

Tgt Ion: 136 Resp: 154530

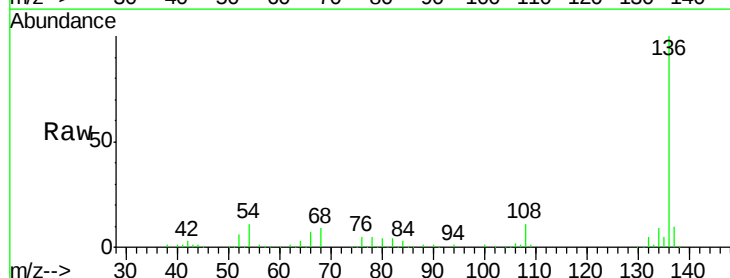
Ion Ratio Lower Upper

136 100

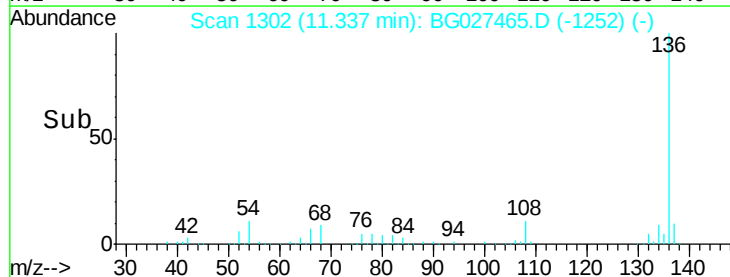
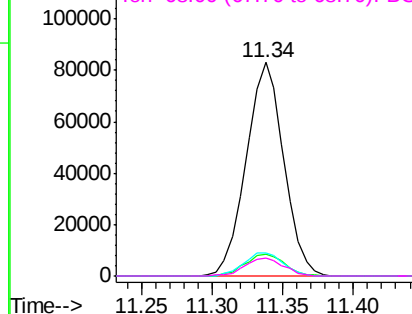
137 10.5 8.9 13.3

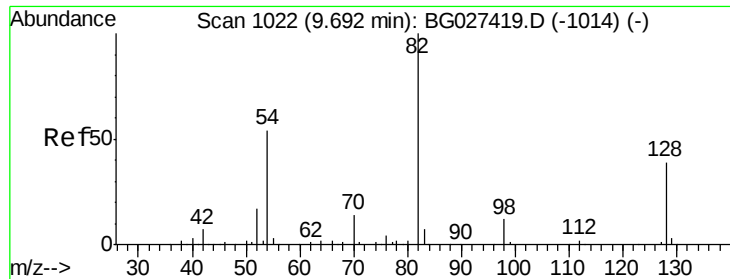
54 10.7 9.3 13.9

68 8.7 5.1 7.7#



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

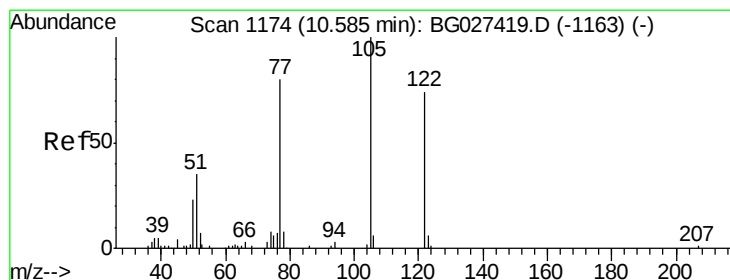
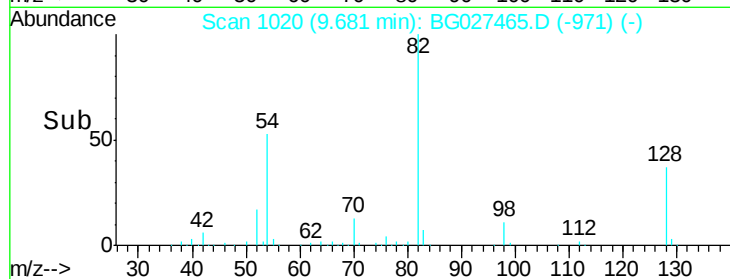
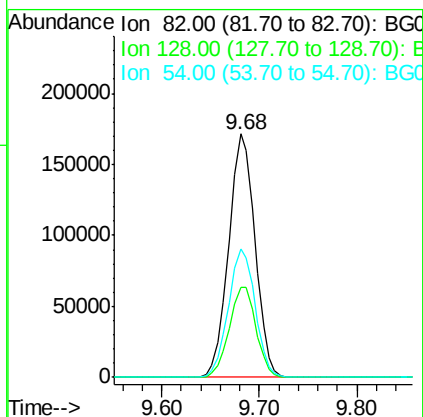
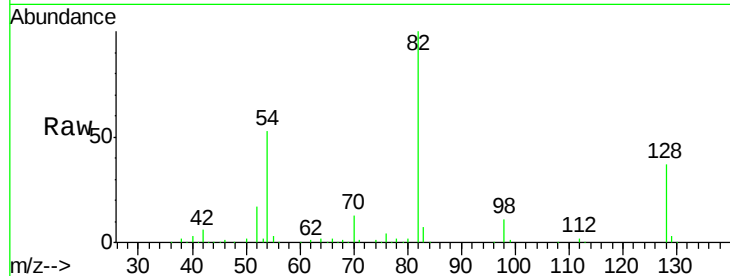




#23  
 Nitrobenzene-d5  
 Concen: 105.817 ng  
 RT: 9.68 min Scan# 1020  
 Delta R.T. -0.01 min  
 Lab File: BG027465.D  
 Acq: 16 Jun 2017 6:16

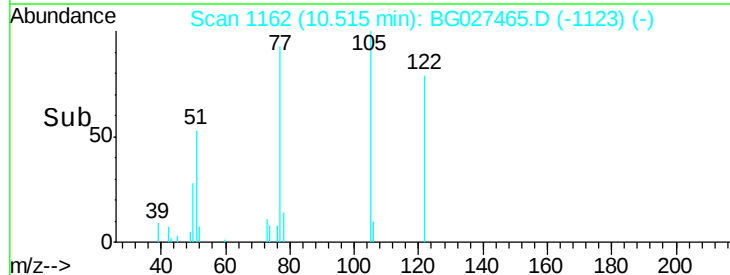
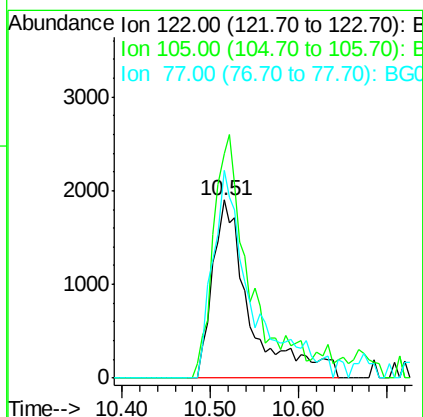
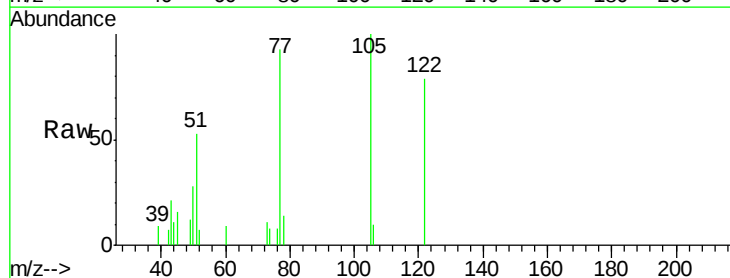
Instrument :  
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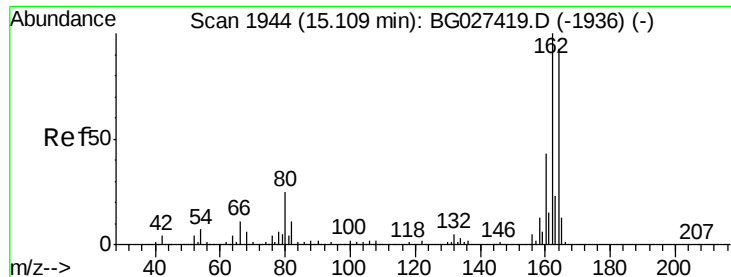
Tgt Ion: 82 Resp: 320728  
 Ion Ratio Lower Upper  
 82 100  
 128 36.8 26.4 39.6  
 54 52.8 49.4 74.2



#32  
 Benzoic acid  
 Concen: 11.242 ng m  
 RT: 10.51 min Scan# 1162  
 Delta R.T. -0.07 min  
 Lab File: BG027465.D  
 Acq: 16 Jun 2017 6:16

Tgt Ion: 122 Resp: 5523  
 Ion Ratio Lower Upper  
 122 100  
 105 125.9 120.1 160.1  
 77 117.0 104.6 144.6

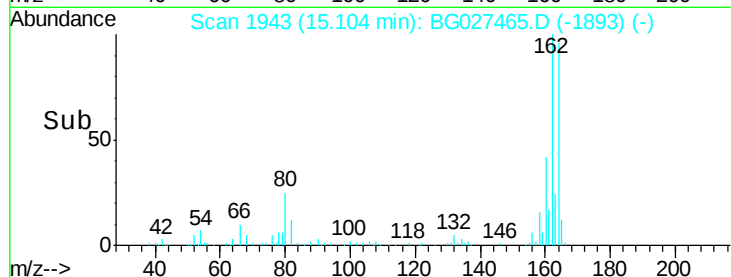
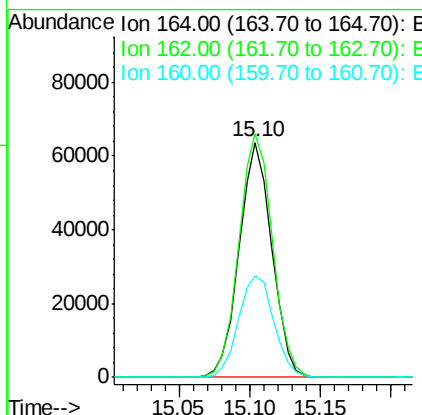
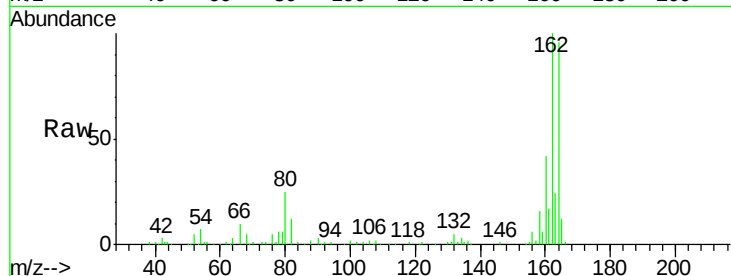




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.10 min Scan# 1943  
 Delta R.T. -0.01 min  
 Lab File: BG027465.D  
 Acq: 16 Jun 2017 6:16

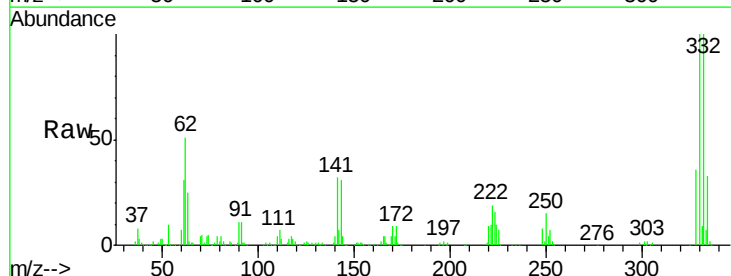
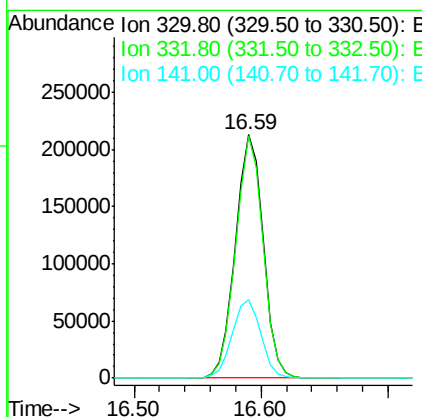
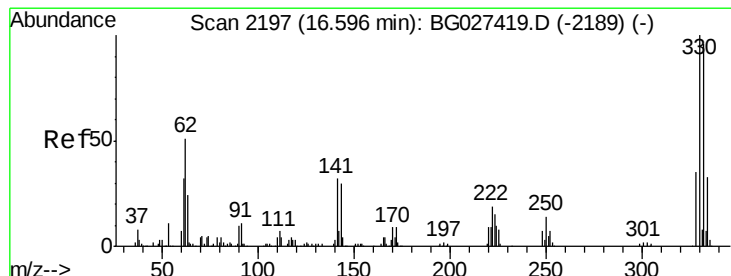
Instrument :  
 BNA\_G  
 ClientSampleId :  
 ROCKY-ROAD-COMP

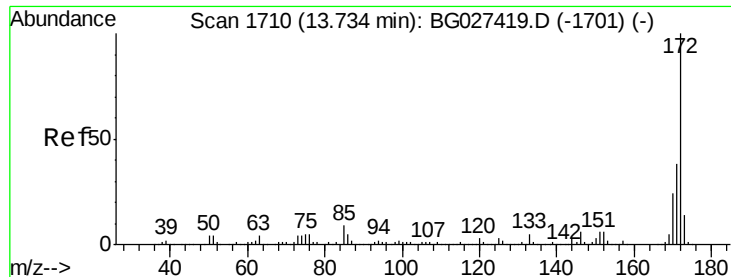
Tgt Ion:164 Resp: 102838  
 Ion Ratio Lower Upper  
 164 100  
 162 103.6 85.1 127.7  
 160 43.5 34.7 52.1



#41  
 2,4,6-Tribromophenol  
 Concen: 209.042 ng  
 RT: 16.59 min Scan# 2196  
 Delta R.T. -0.01 min  
 Lab File: BG027465.D  
 Acq: 16 Jun 2017 6:16

Tgt Ion:330 Resp: 322643  
 Ion Ratio Lower Upper  
 330 100  
 332 97.4 77.3 115.9  
 141 33.0 32.1 48.1

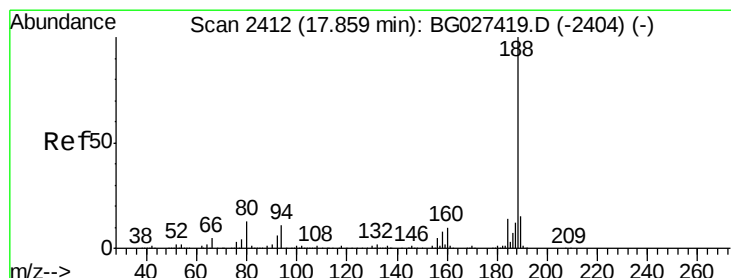
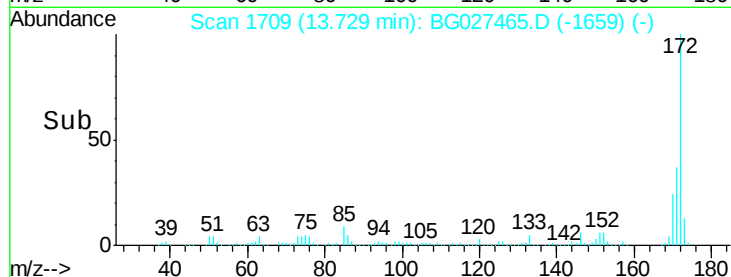
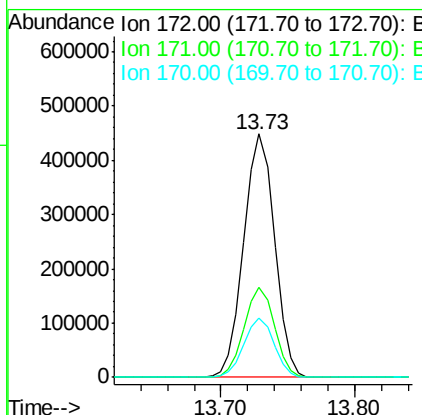
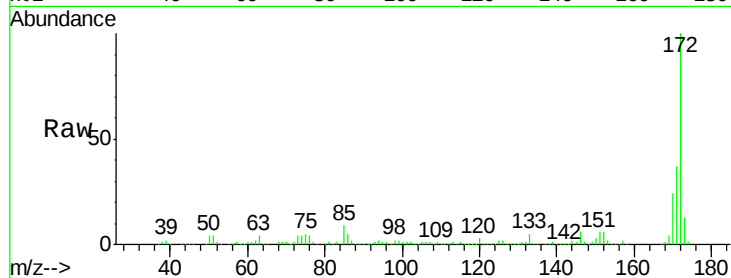




#44  
 2-Fluorobiphenyl  
 Concen: 100.450 ng  
 RT: 13.73 min Scan# 1709  
 Delta R.T. -0.01 min  
 Lab File: BG027465.D  
 Acq: 16 Jun 2017 6:16

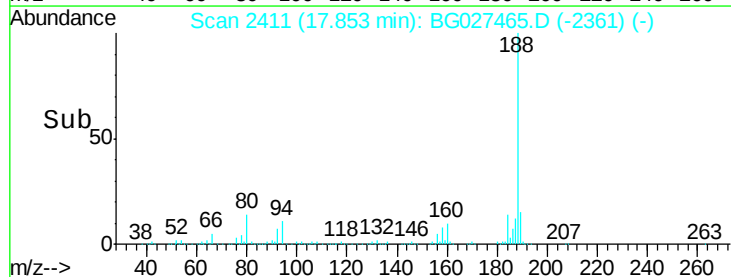
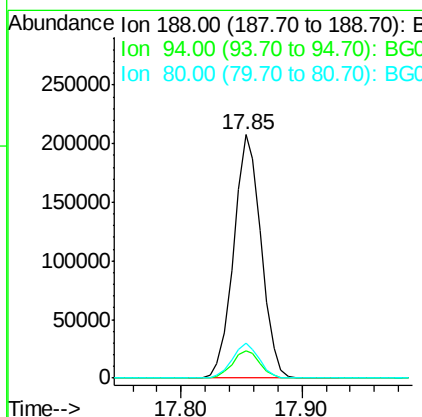
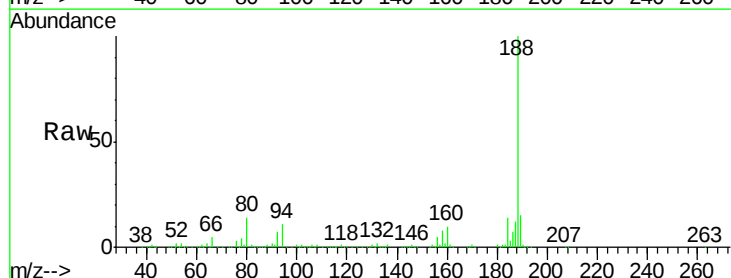
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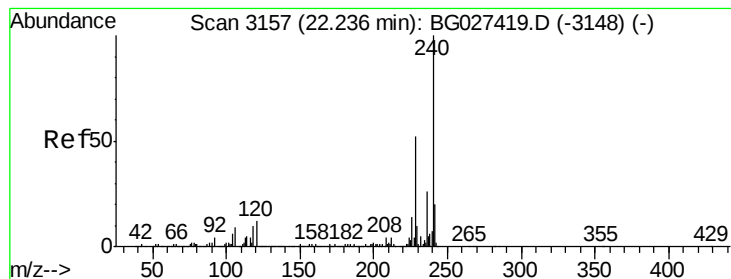
Tgt Ion:172 Resp: 715069  
 Ion Ratio Lower Upper  
 172 100  
 171 37.1 32.2 48.2  
 170 24.2 21.8 32.6



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.85 min Scan# 2411  
 Delta R.T. -0.01 min  
 Lab File: BG027465.D  
 Acq: 16 Jun 2017 6:16

Tgt Ion:188 Resp: 327811  
 Ion Ratio Lower Upper  
 188 100  
 94 11.2 5.8 8.8#  
 80 14.4 7.5 11.3#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.23 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG027465.D

Acq: 16 Jun 2017 6:16

Instrument :

BNA\_G

ClientSampleId :

ROCKY-ROAD-COMP

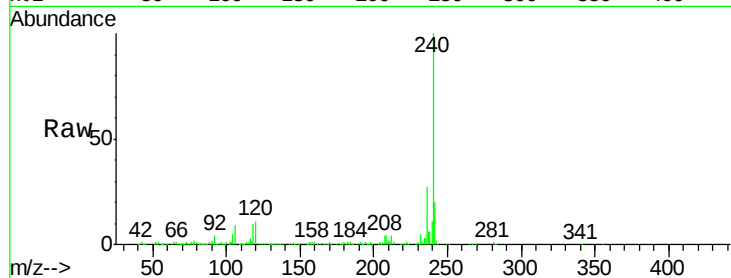
Tgt Ion:240 Resp: 384841

Ion Ratio Lower Upper

240 100

120 11.2 5.7 8.5#

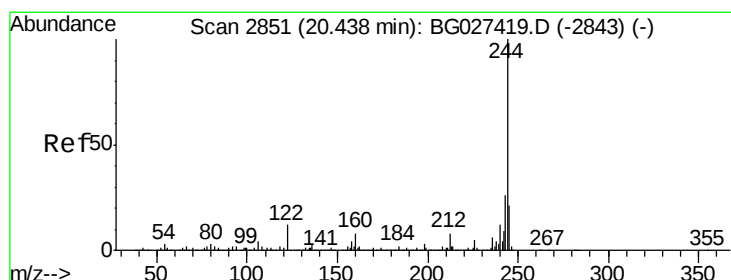
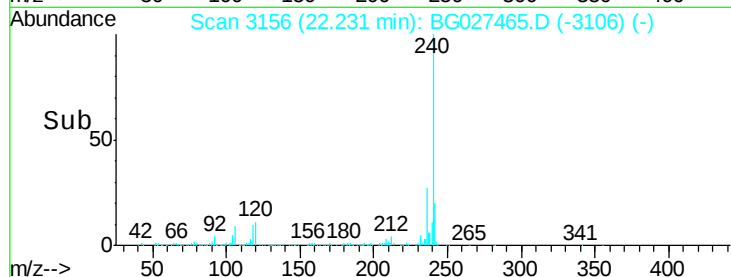
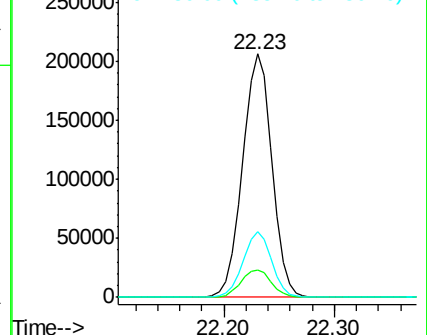
236 26.9 22.2 33.4



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



#78

Terphenyl-d14

Concen: 113.613 ng

RT: 20.43 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BG027465.D

Acq: 16 Jun 2017 6:16

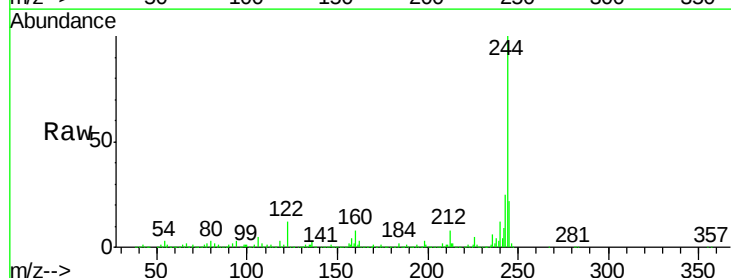
Tgt Ion:244 Resp: 1705920

Ion Ratio Lower Upper

244 100

212 8.4 10.0 15.0#

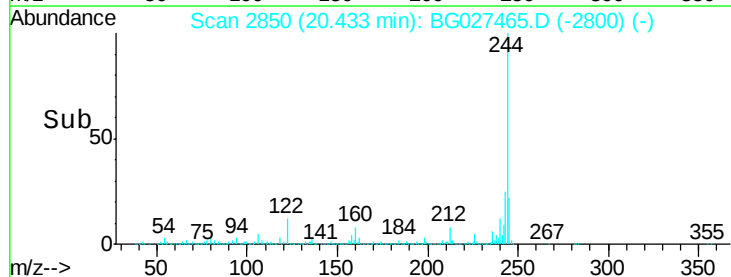
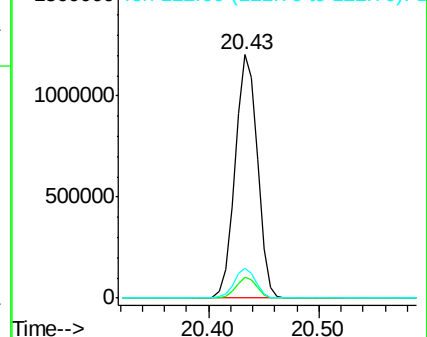
122 12.3 8.6 12.8

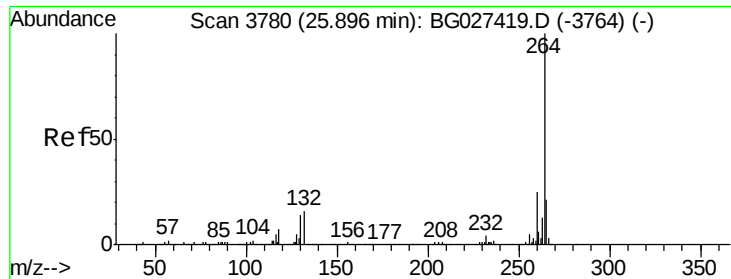


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 25.89 min Scan# 3778  
Delta R.T. -0.01 min  
Lab File: BG027465.D  
Acq: 16 Jun 2017 6:16

Instrument :  
BNA\_G  
ClientSampleId :  
ROCKY-ROAD-COMP

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 377245 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 22.1  | 21.8  | 32.8   |
| 265      | 21.0  | 18.2  | 27.4   |

