

Data Path : Z:\HPCHEM1\BNA G\DATA\BG092017\  
 Data File : BG028841.D  
 Acq On : 20 Sep 2017 21:12  
 Operator : SJ/JU  
 Sample : I5292-03  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BU-01-091817

Quant Time: Sep 21 01:28:25 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 16:57:11 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.29  | 152  | 31987    | 20.00  | ng    | -0.04    |
| 21) Naphthalene-d8          | 11.11 | 136  | 128230   | 20.00  | ng    | -0.04    |
| 38) Acenaphthene-d10        | 14.91 | 164  | 92651    | 20.00  | ng    | -0.04    |
| 63) Phenanthrene-d10        | 17.66 | 188  | 254905   | 20.00  | ng    | -0.04    |
| 75) Chrysene-d12            | 21.98 | 240  | 284946   | 20.00  | ng    | -0.05    |
| 86) Perylene-d12            | 25.46 | 264  | 281217   | 20.00  | ng    | -0.07    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.86  | 112  | 247858   | 127.86 | ng    | -0.04    |
| 7) Phenol-d6                | 7.45  | 99   | 306240   | 104.92 | ng    | -0.04    |
| 23) Nitrobenzene-d5         | 9.46  | 82   | 240987   | 89.90  | ng    | -0.04    |
| 41) 2,4,6-Tribromophenol    | 16.40 | 330  | 217565   | 141.98 | ng    | -0.04    |
| 44) 2-Fluorobiphenyl        | 13.53 | 172  | 616121   | 88.67  | ng    | -0.04    |
| 78) Terphenyl-d14           | 20.25 | 244  | 1227122  | 91.84  | ng    | -0.03    |

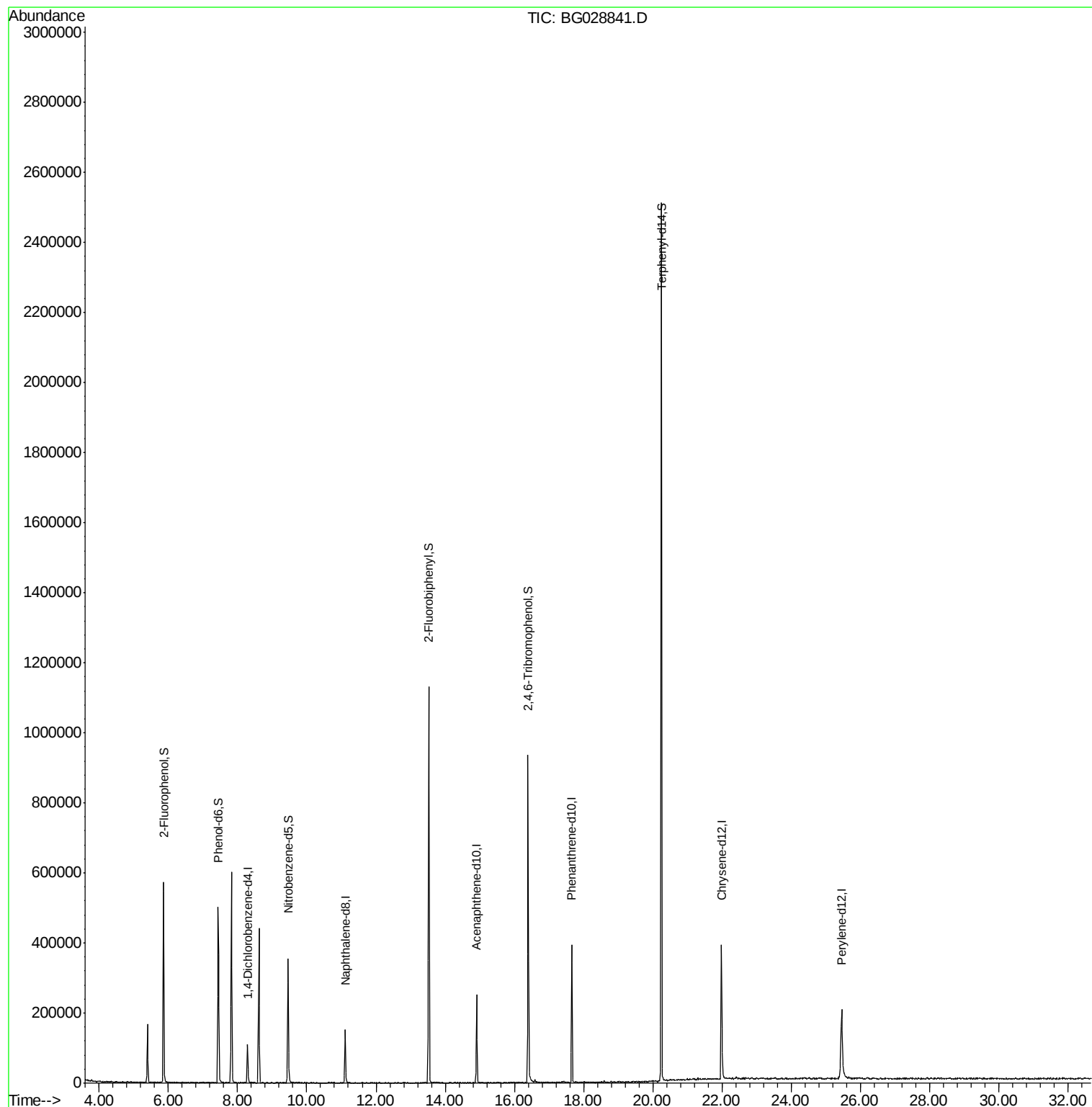
Target Compounds Qvalue

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.29 min Scan# 800

Delta R.T. -0.04 min

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BNA\_G

ClientSampleId :

BU-01-091817

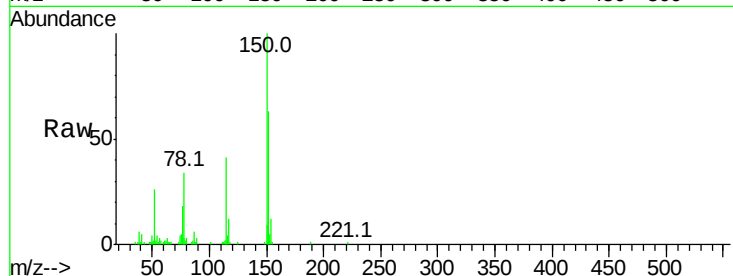
Tot Ion:152 Resp: 31987

Ion Ratio Lower Upper

152 100

150 159.0 114.0 171.0

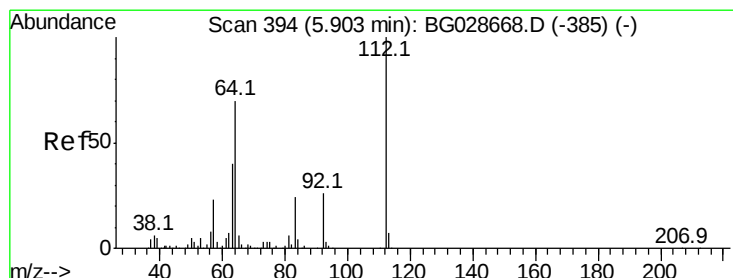
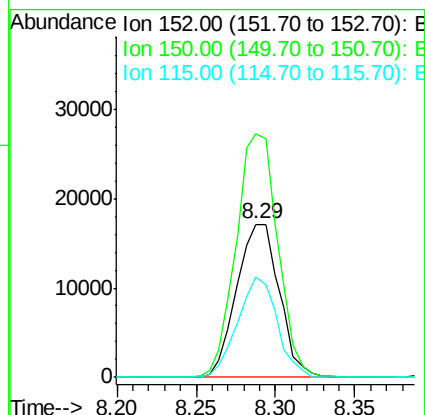
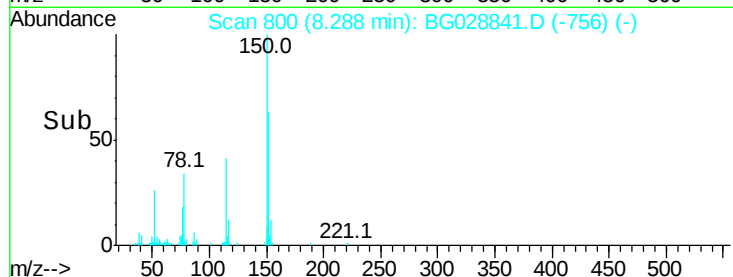
115 65.8 48.1 72.1



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: 127.858 ng

RT: 5.86 min Scan# 387

Delta R.T. -0.04 min

Lab File: BG028841.D

Acq: 20 Sep 2017 21:12

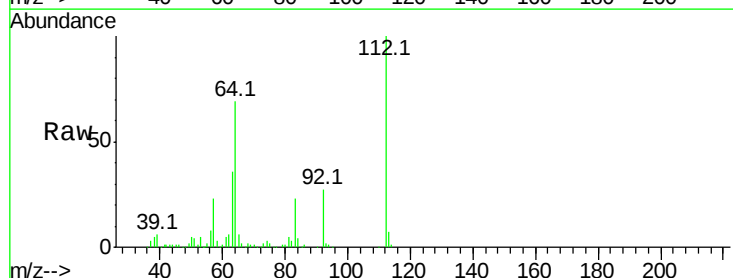
Tgt Ion:112 Resp: 247858

Ion Ratio Lower Upper

112 100

64 69.2 61.8 92.6

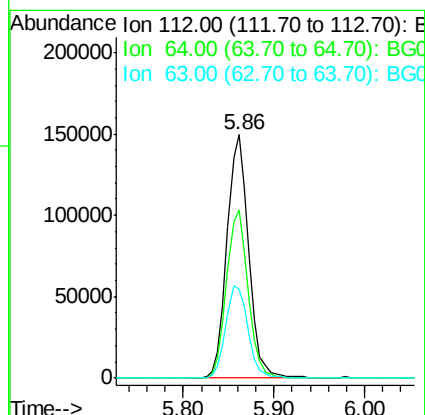
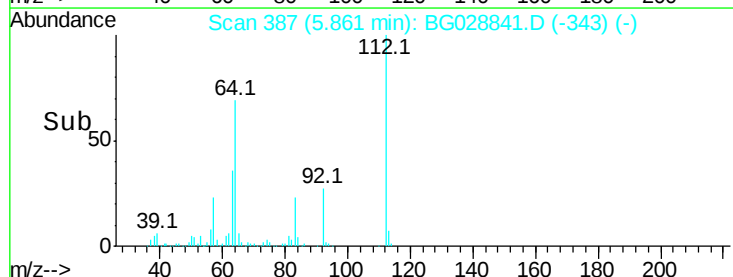
63 36.4 37.2 55.8#



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: 104.923 ng

RT: 7.45 min Scan# 657

Delta R.T. -0.04 min

Lab File: BG028841.D

Acq: 20 Sep 2017 21:12

Instrument :

BNA\_G

ClientSampleId :

BU-01-091817

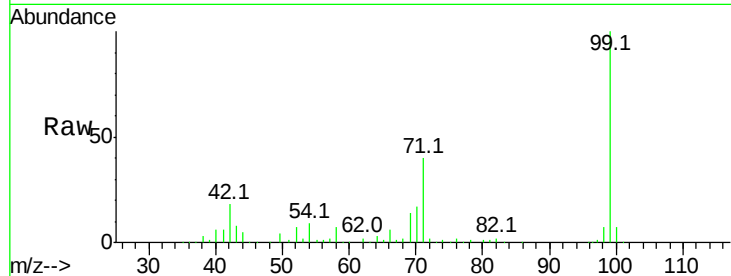
Tot Ion: 99 Resp: 306240

Ion Ratio Lower Upper

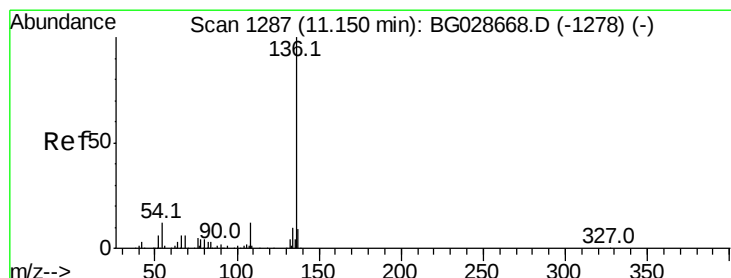
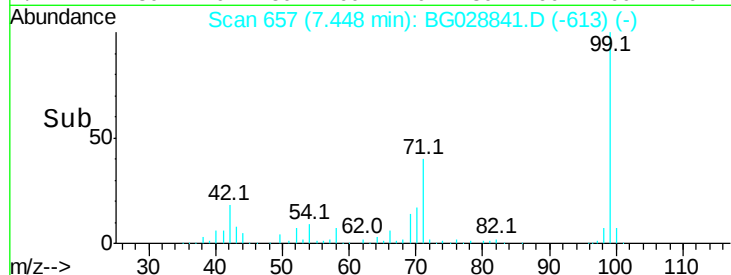
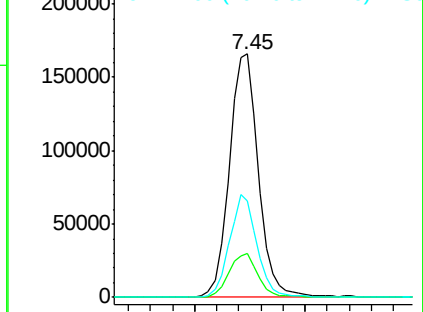
99 100

42 17.8 20.5 30.7#

71 39.5 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: 11.11 min Scan# 1280

Delta R.T. -0.04 min

Lab File: BG028841.D

Acq: 20 Sep 2017 21:12

Tgt Ion: 136 Resp: 128230

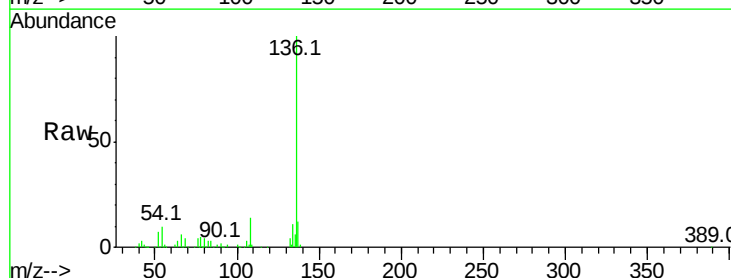
Ion Ratio Lower Upper

136 100

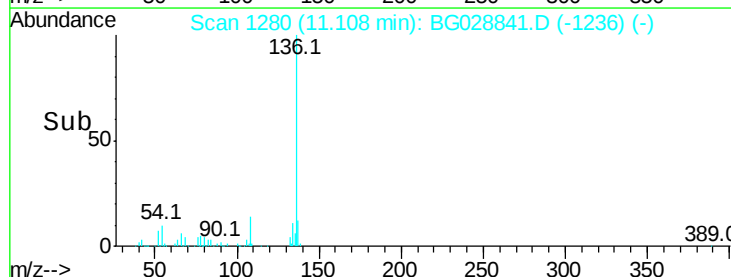
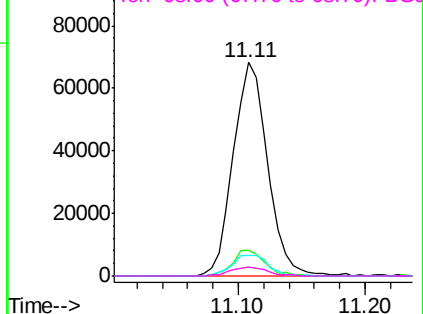
137 12.0 8.9 13.3

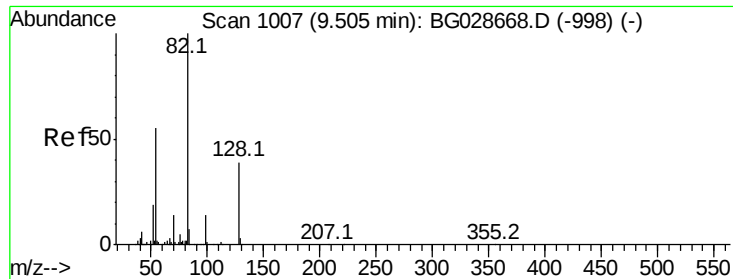
54 9.6 9.3 13.9

68 4.4 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: 89.902 ng

RT: 9.46 min Scan# 1000

Delta R.T. -0.04 min

Lab File: BG028841.D

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Instrument :

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ClientSampleId :

BU-01-091817

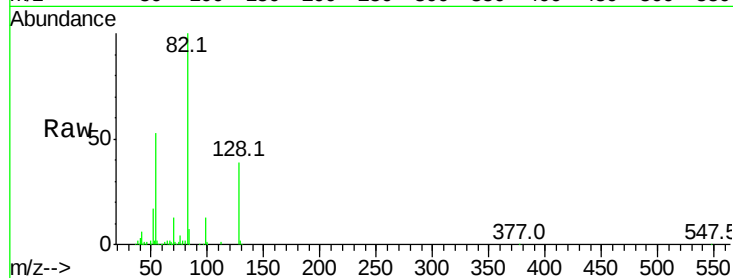
Tot Ion: 82 Resp: 240987

Ion Ratio Lower Upper

82 100

128 39.1 26.4 39.6

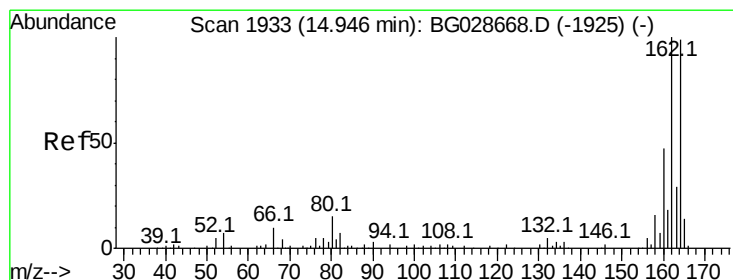
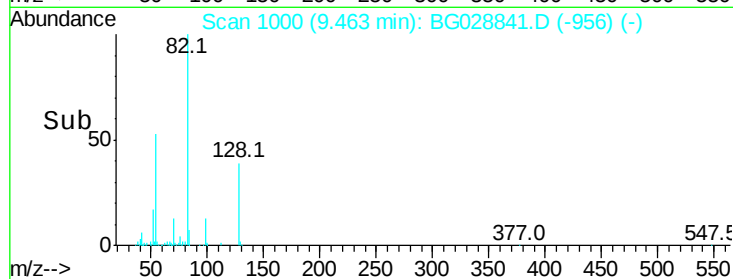
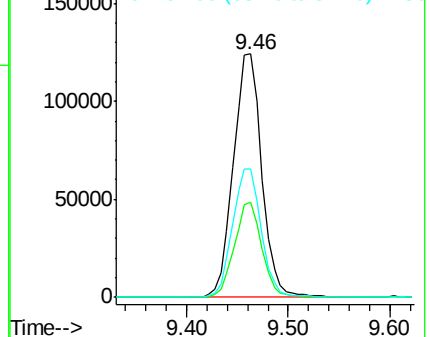
54 52.7 49.4 74.2



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.91 min Scan# 1927

Delta R.T. -0.04 min

Lab File: BG028841.D

Acq: 20 Sep 2017 21:12

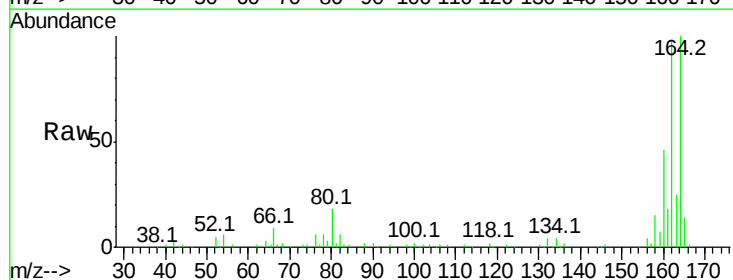
Tgt Ion: 164 Resp: 92651

Ion Ratio Lower Upper

164 100

162 98.4 85.1 127.7

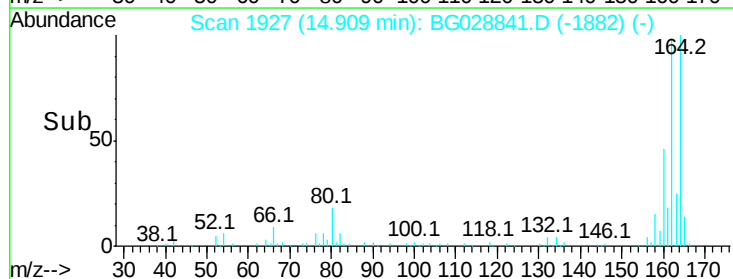
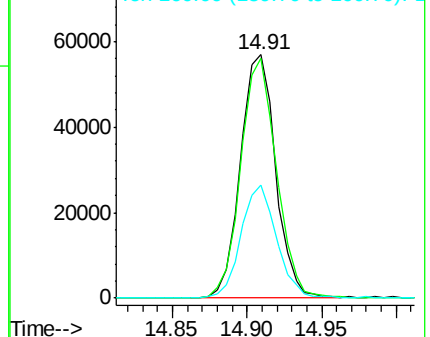
160 46.4 34.7 52.1

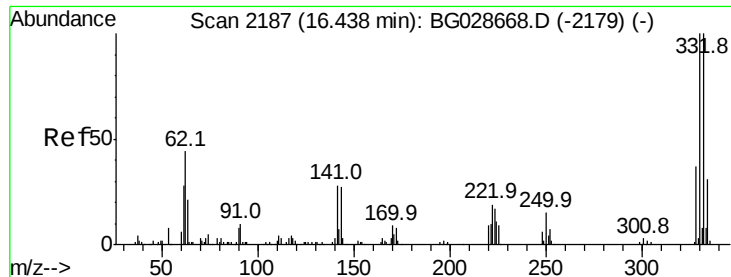


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

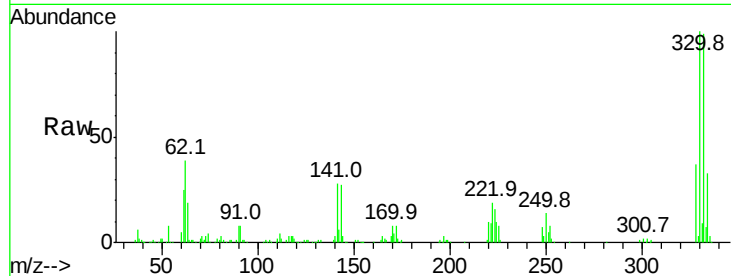




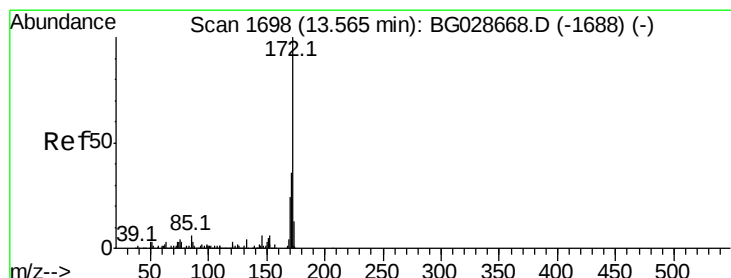
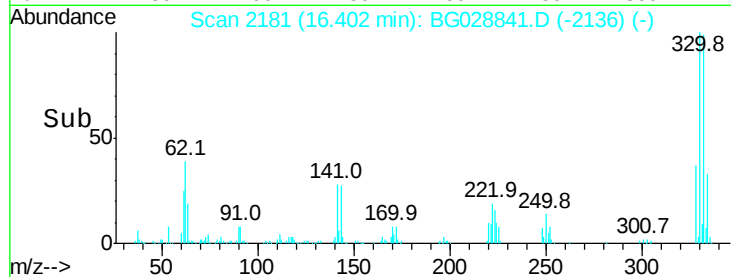
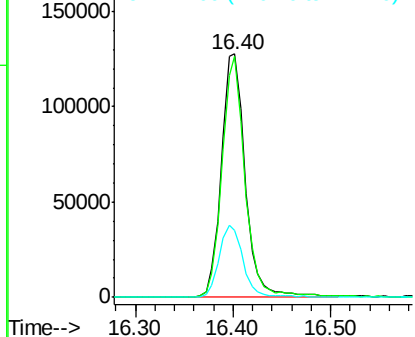
#41  
 2,4,6-Tribromophenol  
 Concen: 141.977 ng  
 RT: 16.40 min Scan# 2181  
 Delta R.T. -0.04 min  
 Lab File: BG028841.D  
 Acq: 20 Sep 2017 21:12

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BU-01-091817

Tot Ion:330 Resp: 217565  
 Ion Ratio Lower Upper  
 330 100  
 332 95.4 77.3 115.9  
 141 30.0 32.1 48.1#

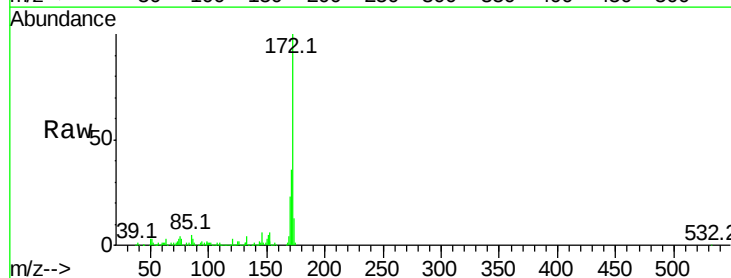


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

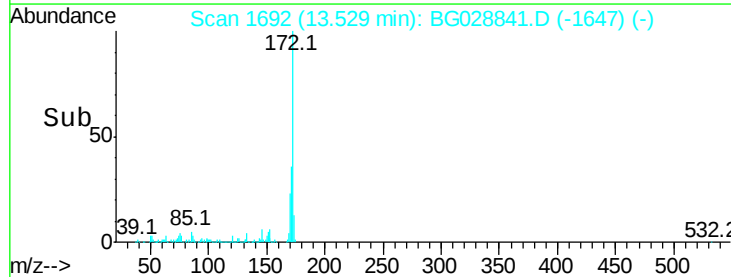
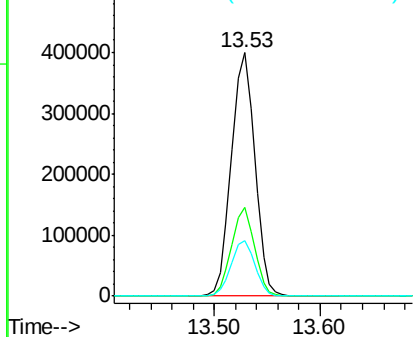


#44  
 2-Fluorobiphenyl  
 Concen: 88.671 ng  
 RT: 13.53 min Scan# 1692  
 Delta R.T. -0.04 min  
 Lab File: BG028841.D  
 Acq: 20 Sep 2017 21:12

Tgt Ion:172 Resp: 616121  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 32.2 48.2  
 170 23.0 21.8 32.6



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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.66 min Scan# 2395

Delta R.T. -0.04 min

Lab File: BG028841.D

Acq: 20 Sep 2017 21:12

Instrument :

BNA\_G

ClientSampleId :

BU-01-091817

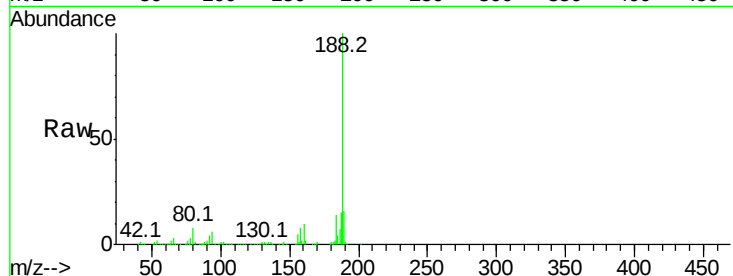
Tot Ion:188 Resp: 254905

Ion Ratio Lower Upper

188 100

94 6.4 5.8 8.8

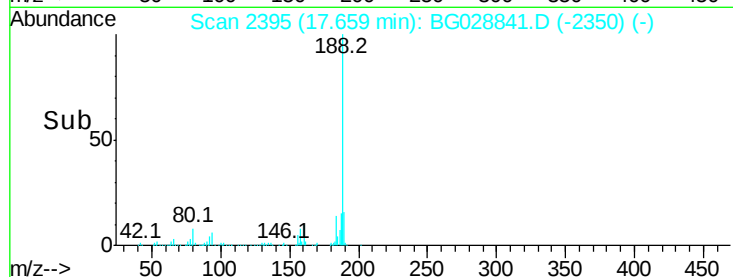
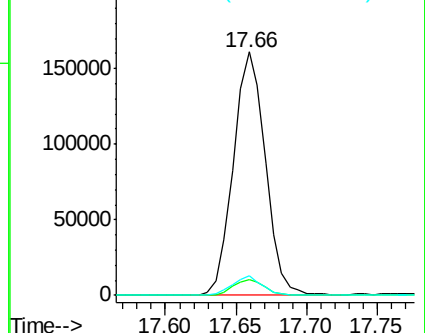
80 7.9 7.5 11.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.98 min Scan# 3131

Delta R.T. -0.05 min

Lab File: BG028841.D

Acq: 20 Sep 2017 21:12

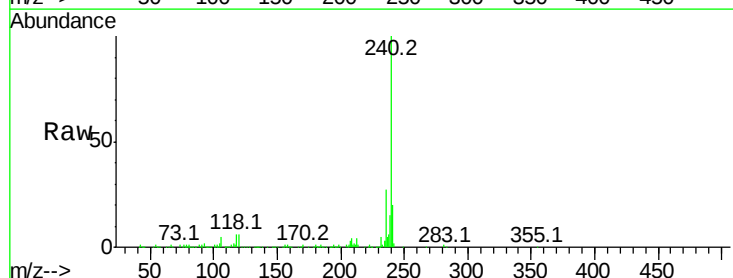
Tgt Ion:240 Resp: 284946

Ion Ratio Lower Upper

240 100

120 6.3 5.7 8.5

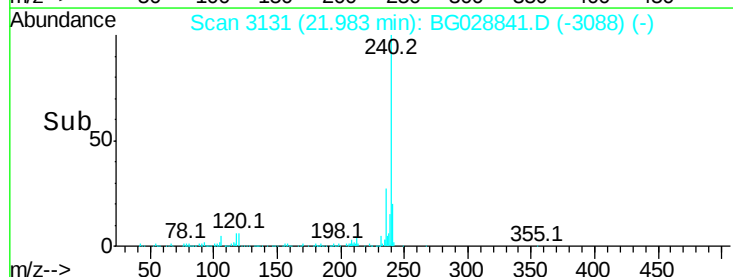
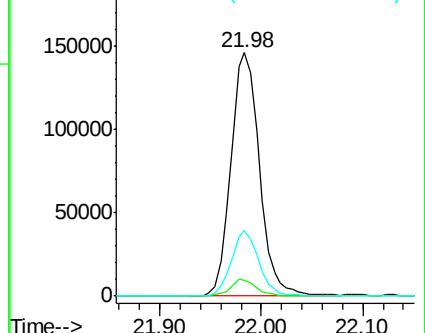
236 26.8 22.2 33.4

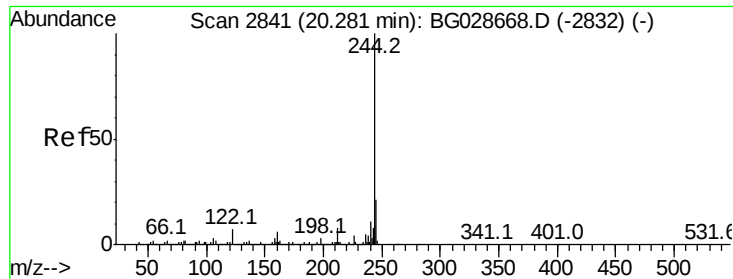


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 91.839 ng

RT: 20.25 min Scan# 2836

Delta R.T. -0.03 min

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Acq: 20 Sep 2017 21:12

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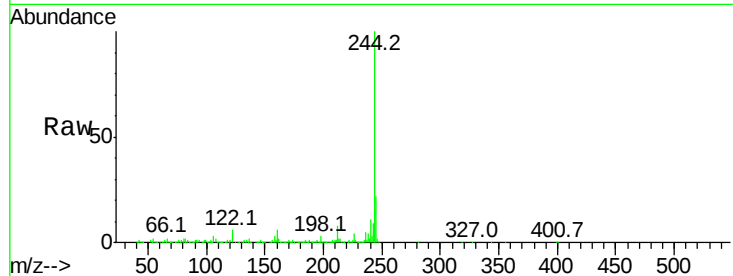
Tot Ion:244 Resp: 1227122

Ion Ratio Lower Upper

244 100

212 7.7 10.0 15.0#

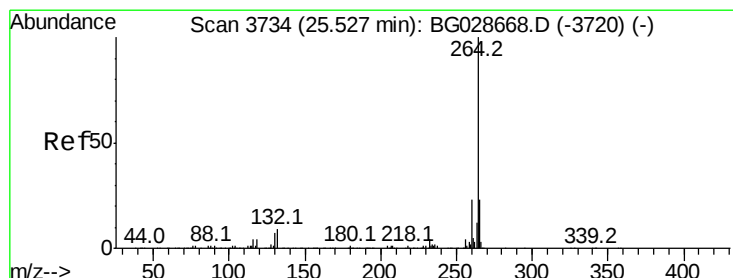
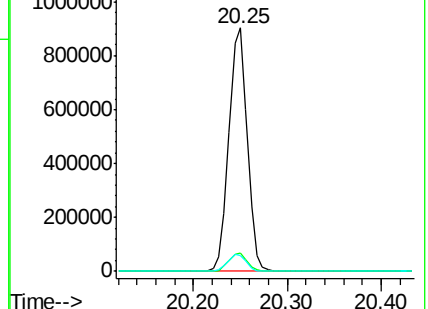
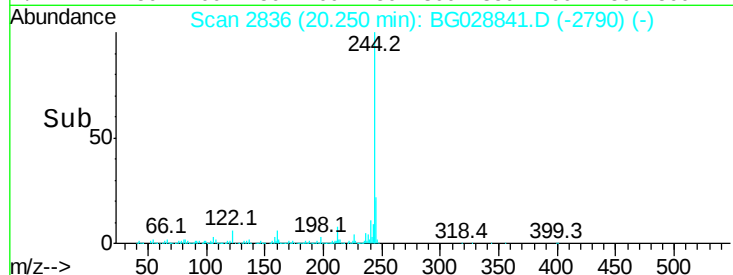
122 6.4 8.6 12.8#



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: 25.46 min Scan# 3722

Delta R.T. -0.07 min

Lab File: BG028841.D

Acq: 20 Sep 2017 21:12

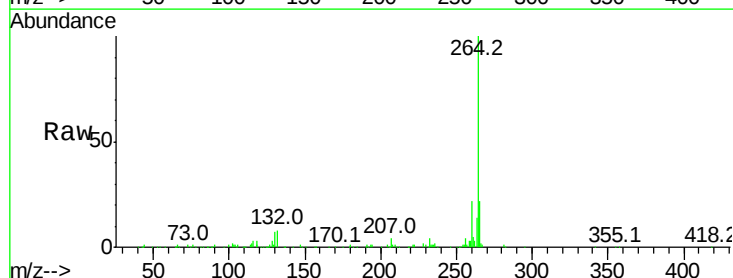
Tgt Ion:264 Resp: 281217

Ion Ratio Lower Upper

264 100

260 22.1 21.8 32.8

265 22.2 18.2 27.4



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

