

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032317\  
 Data File : BG026397.D  
 Acq On : 23 Mar 2017 11:19  
 Operator : SJ/MA  
 Sample : I2355-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 032117-PRRT-E-D-M

Quant Time: Mar 24 00:59:01 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG032017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 20 17:43:27 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.04  | 152  | 129408   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.84 | 136  | 528095   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.65 | 164  | 311792   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.38 | 188  | 768115   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12            | 21.63 | 240  | 948449   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 24.80 | 264  | 903443   | 20.00 | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 104217   | 14.29 | ng    | 0.00     |
| 7) Phenol-d6                | 7.20  | 99   | 79435    | 8.12  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 250377   | 28.51 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.13 | 330  | 119843   | 33.56 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.28 | 172  | 791471   | 35.60 | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.98 | 244  | 1138854  | 29.16 | ng    | -0.01    |

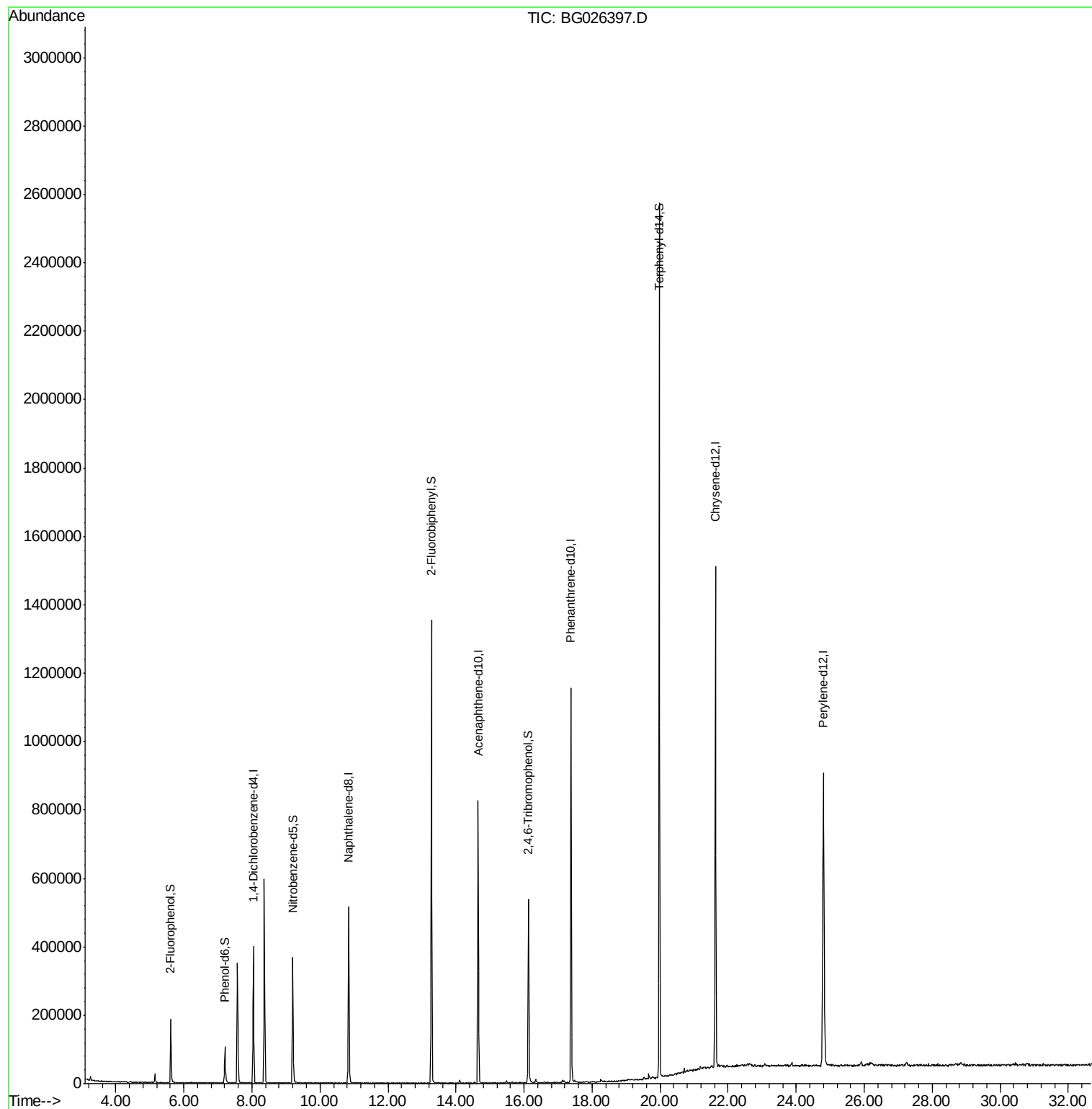
Target Compounds Qvalue

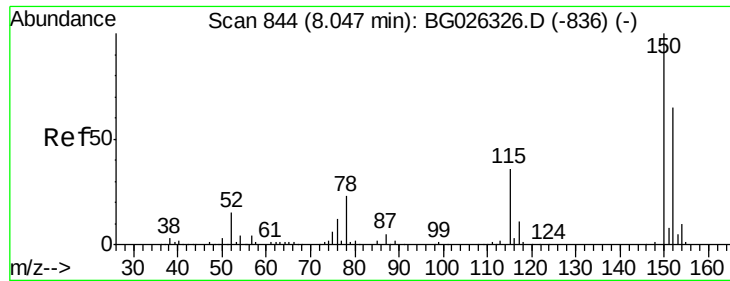
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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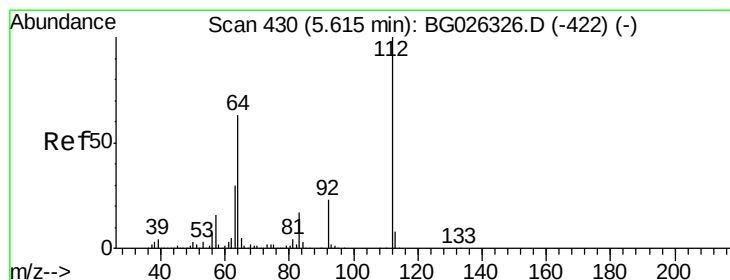
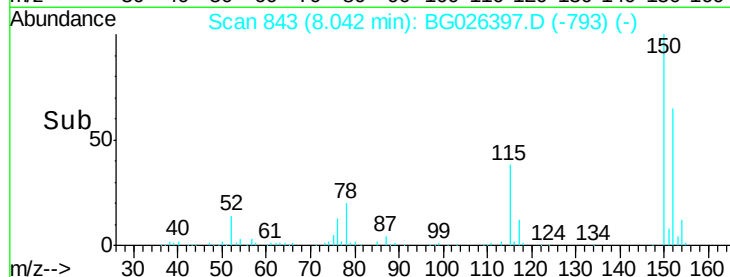
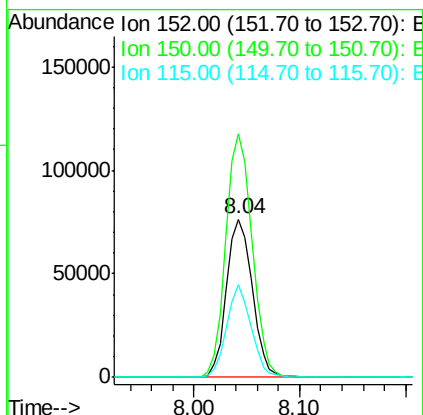
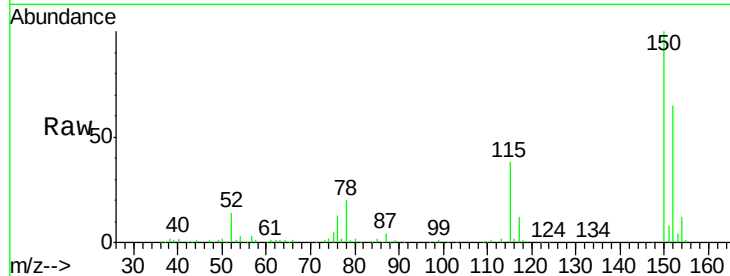


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.04 min Scan# 843  
Delta R.T. -0.01 min  
Lab File: BG026397.D  
Acq: 23 Mar 2017 11:19

Instrument :  
BNA\_G  
ClientSampleId :  
032117-PRRT-E-D-M

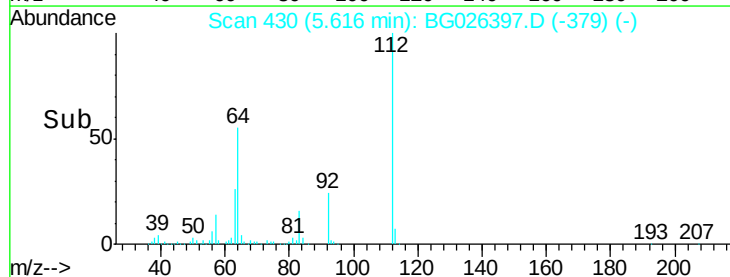
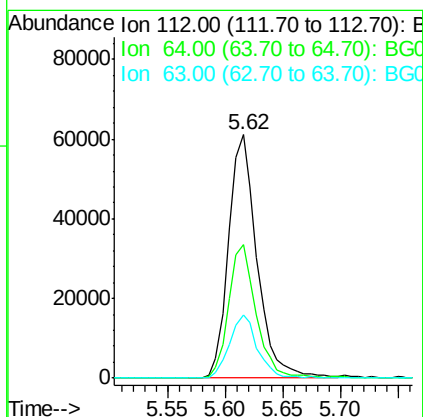
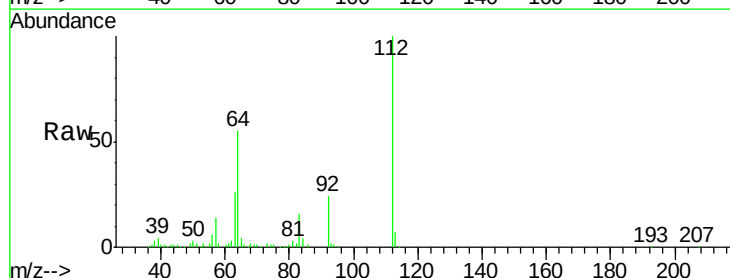
Tot Ion:152 Resp: 129408  
Ion Ratio Lower Upper  
152 100  
150 153.7 114.0 171.0  
115 58.7 48.1 72.1

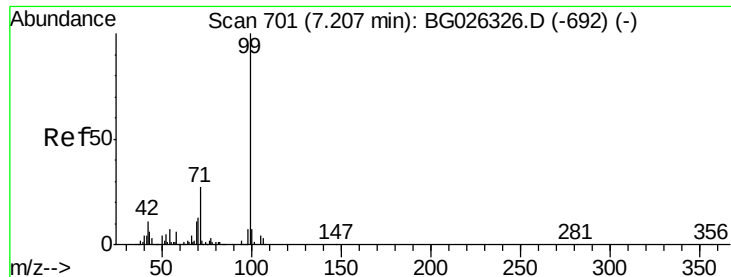


#5

2-Fluorophenol  
Concen: 14.29 ng  
RT: 5.62 min Scan# 430  
Delta R.T. 0.00 min  
Lab File: BG026397.D  
Acq: 23 Mar 2017 11:19

Tgt Ion:112 Resp: 104217  
Ion Ratio Lower Upper  
112 100  
64 54.8 61.8 92.6#  
63 25.9 37.2 55.8#





#7

Phenol-d6

Concen: 8.12 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG026397.D

Acq: 23 Mar 2017 11:19

Instrument :

BNA\_G

ClientSampleId :

032117-PRRT-E-D-M

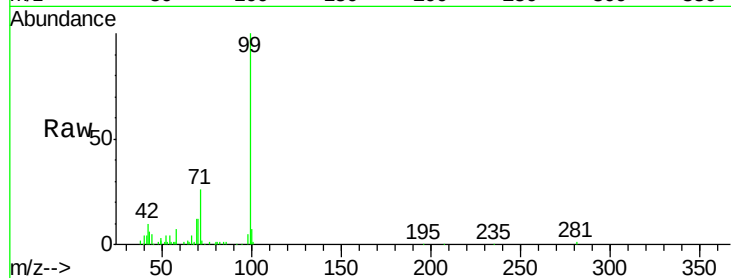
Tot Ion: 99 Resp: 79435

Ion Ratio Lower Upper

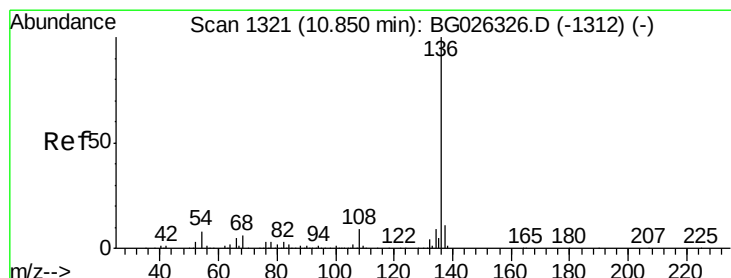
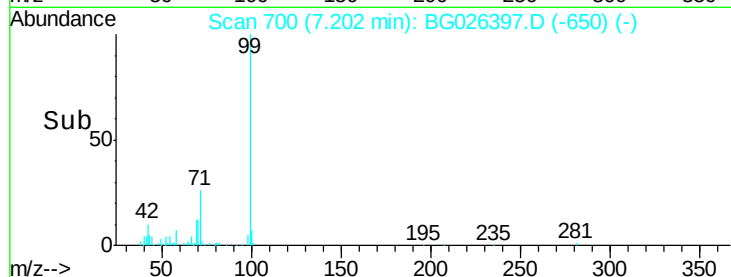
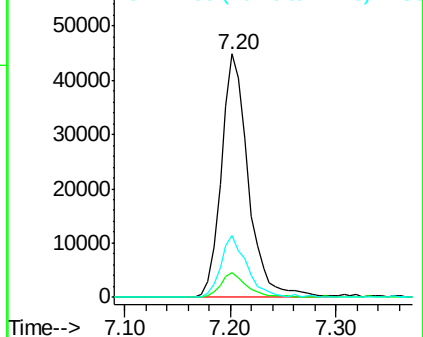
99 100

42 10.3 20.5 30.7#

71 25.6 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: 20.00 ng

RT: 10.84 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BG026397.D

Acq: 23 Mar 2017 11:19

Tgt Ion: 136 Resp: 528095

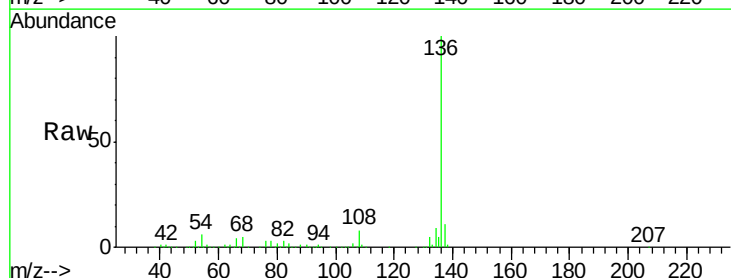
Ion Ratio Lower Upper

136 100

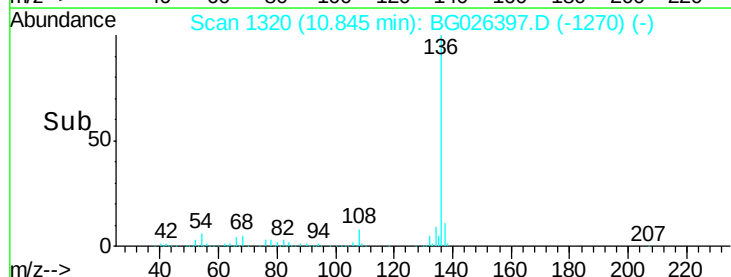
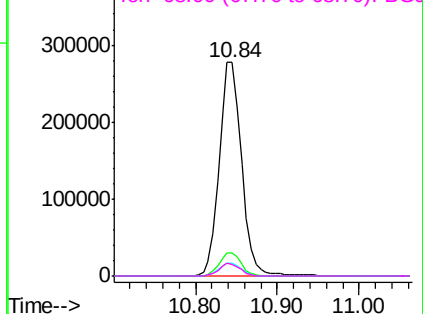
137 11.0 8.9 13.3

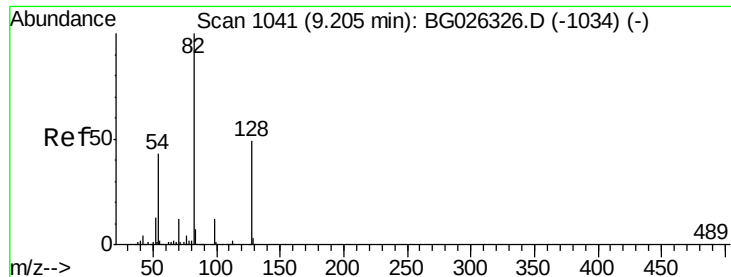
54 5.7 9.3 13.9#

68 5.5 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: 28.51 ng

RT: 9.20 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BG026397.D

Acq: 23 Mar 2017 11:19

Instrument :

BNA\_G

ClientSampleId :

032117-PRRT-E-D-M

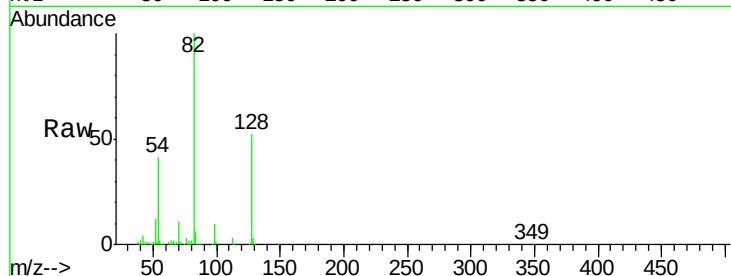
Tot Ion: 82 Resp: 250377

Ion Ratio Lower Upper

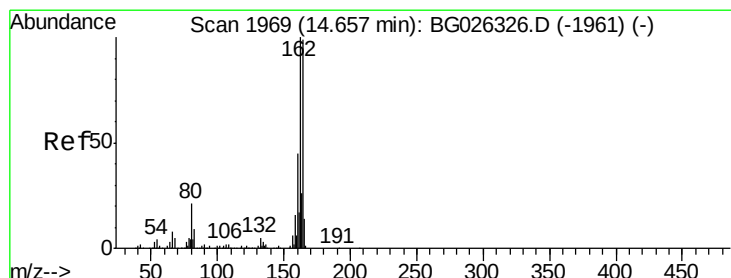
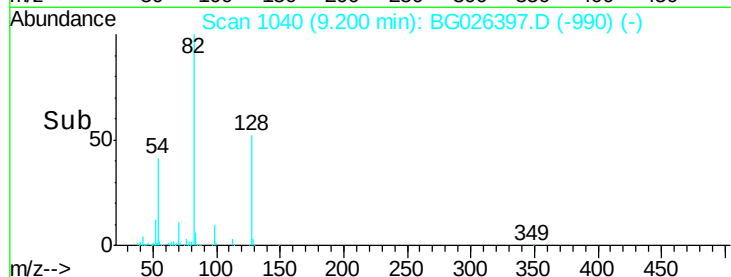
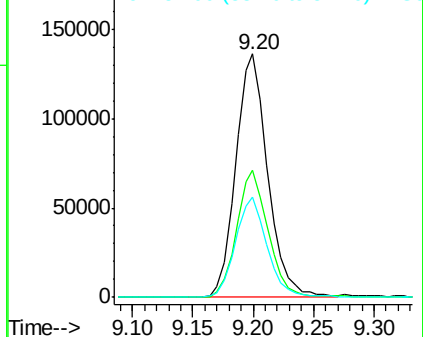
82 100

128 52.1 26.4 39.6#

54 41.0 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: 20.00 ng

RT: 14.65 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG026397.D

Acq: 23 Mar 2017 11:19

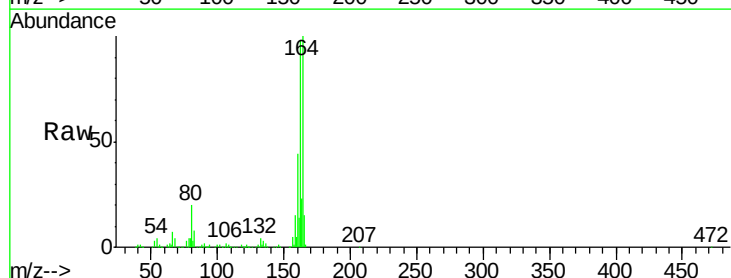
Tgt Ion: 164 Resp: 311792

Ion Ratio Lower Upper

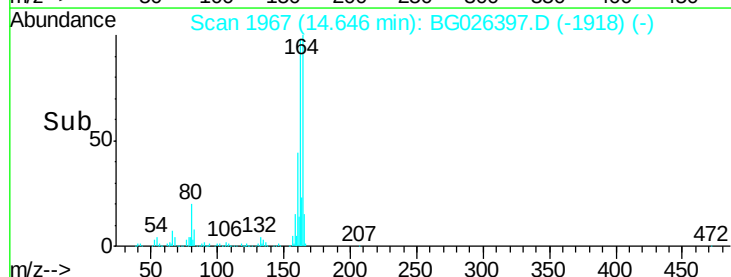
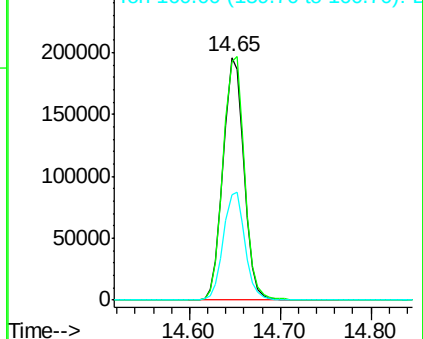
164 100

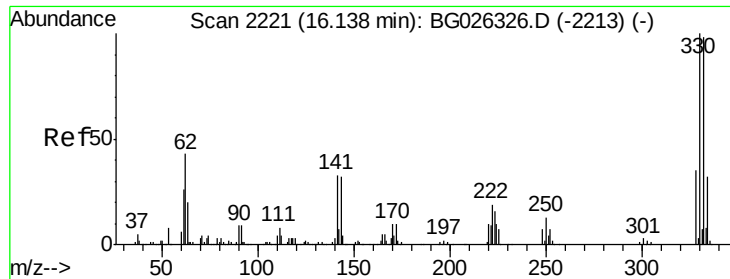
162 98.4 85.1 127.7

160 43.7 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

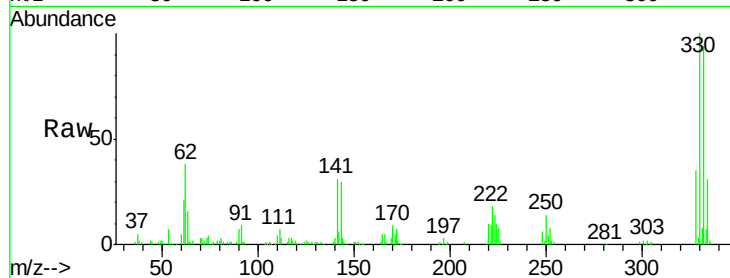




#41  
 2,4,6-Tribromophenol  
 Concen: 33.56 ng  
 RT: 16.13 min Scan# 2219  
 Delta R.T. -0.01 min  
 Lab File: BG026397.D  
 Acq: 23 Mar 2017 11:19

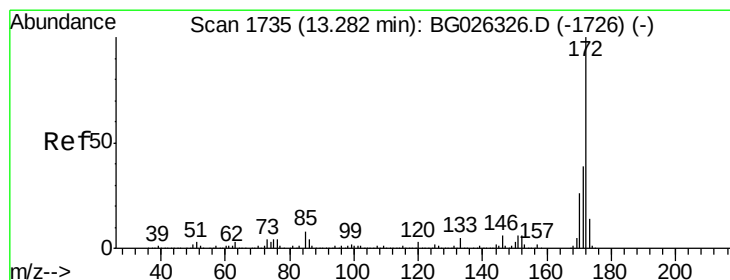
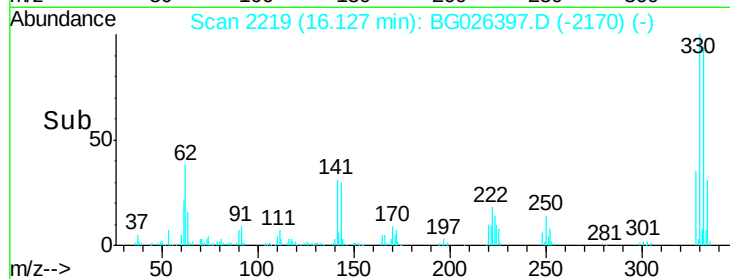
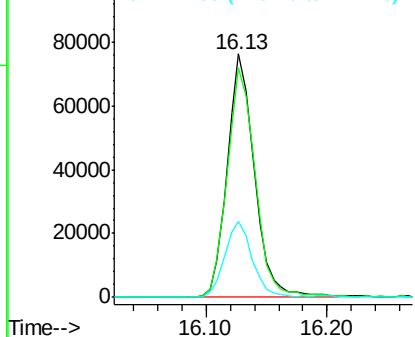
Instrument :  
 BNA\_G  
 ClientSampleId :  
 032117-PRRT-E-D-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.5  | 77.3  | 115.9 |
| 141     | 31.3  | 32.1  | 48.1# |



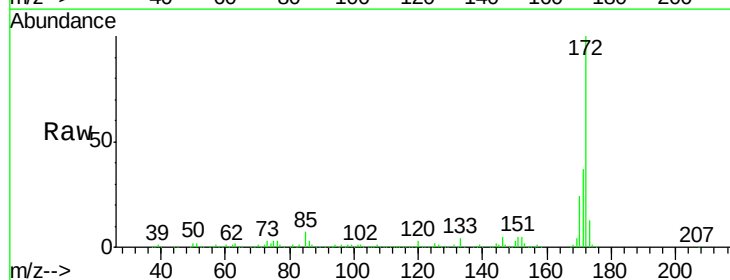
Abundance

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



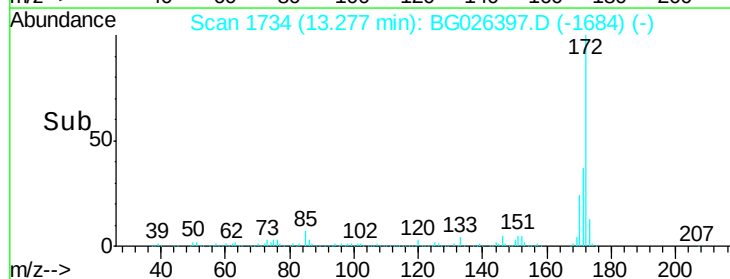
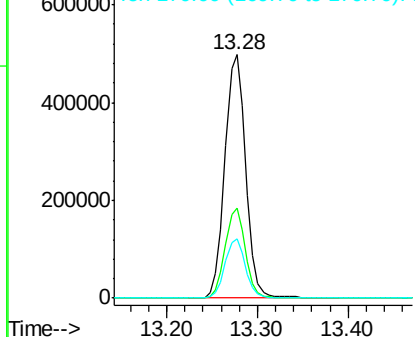
#44  
 2-Fluorobiphenyl  
 Concen: 35.60 ng  
 RT: 13.28 min Scan# 1734  
 Delta R.T. -0.01 min  
 Lab File: BG026397.D  
 Acq: 23 Mar 2017 11:19

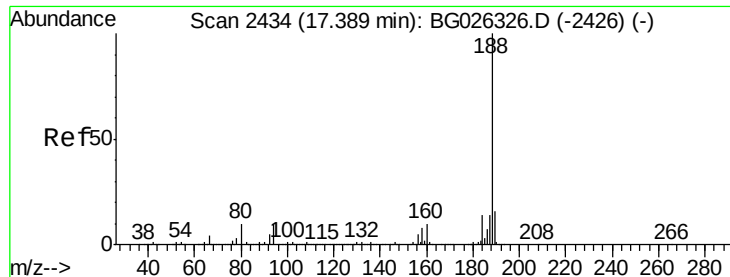
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.2  | 32.2  | 48.2  |
| 170     | 24.2  | 21.8  | 32.6  |



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

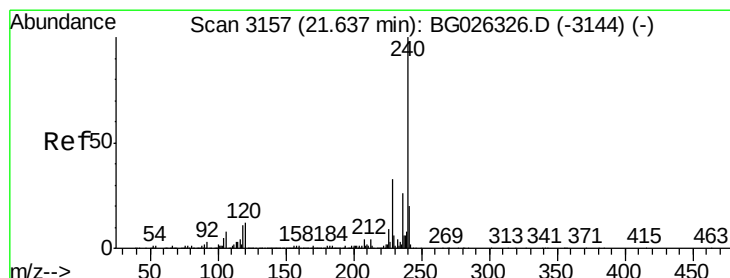
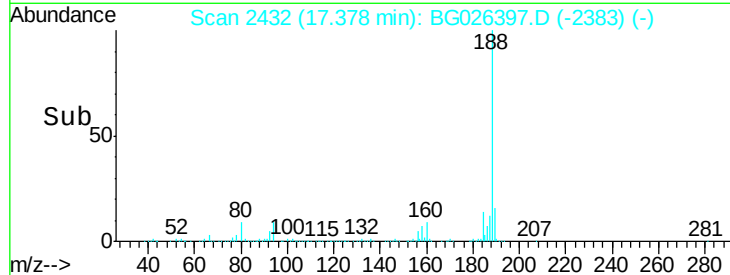
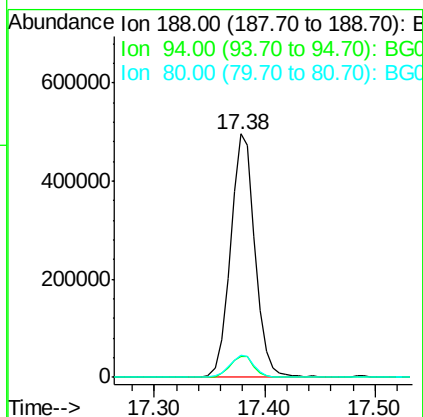
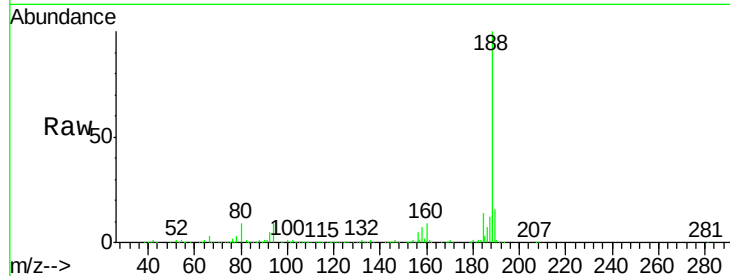




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.38 min Scan# 2432  
Delta R.T. -0.01 min  
Lab File: BG026397.D  
Acq: 23 Mar 2017 11:19

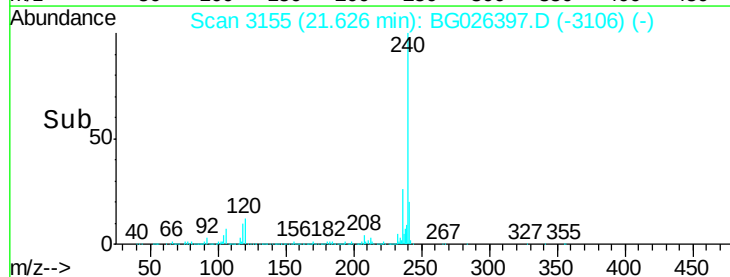
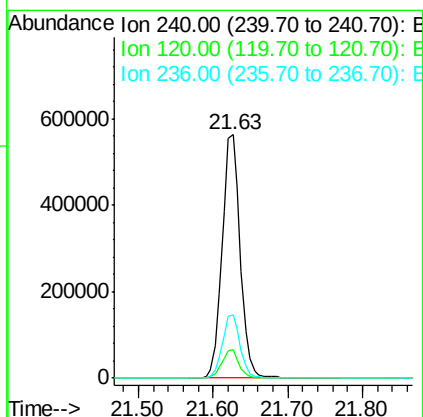
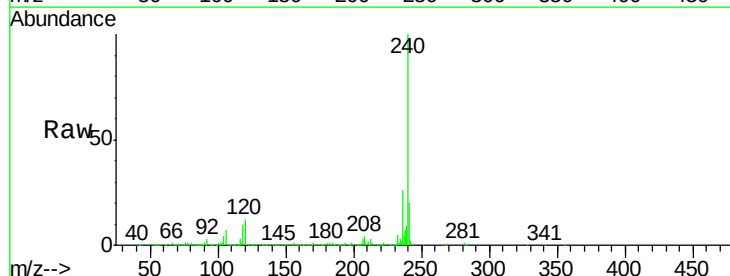
Instrument :  
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032117-PRRT-E-D-M

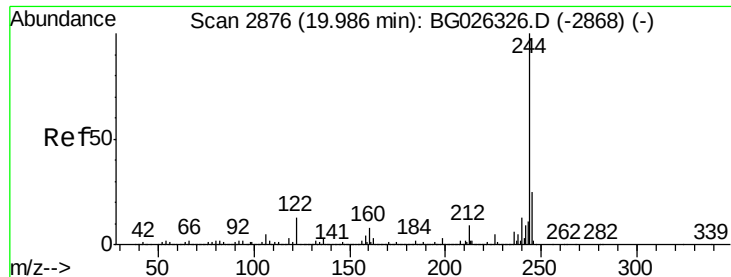
Tot Ion:188 Resp: 768115  
Ion Ratio Lower Upper  
188 100  
94 8.7 5.8 8.8  
80 9.4 7.5 11.3



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.63 min Scan# 3155  
Delta R.T. -0.01 min  
Lab File: BG026397.D  
Acq: 23 Mar 2017 11:19

Tgt Ion:240 Resp: 948449  
Ion Ratio Lower Upper  
240 100  
120 11.5 5.7 8.5#  
236 26.0 22.2 33.4





#78

Terphenyl-d14

Concen: 29.16 ng

RT: 19.98 min Scan# 2874

Delta R.T. -0.01 min

Lab File: BG026397.D

Acq: 23 Mar 2017 11:19

Instrument :

BNA\_G

ClientSampleId :

032117-PRRT-E-D-M

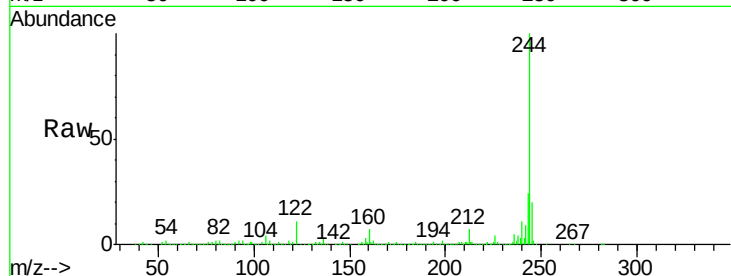
Tot Ion:244 Resp: 1138854

Ion Ratio Lower Upper

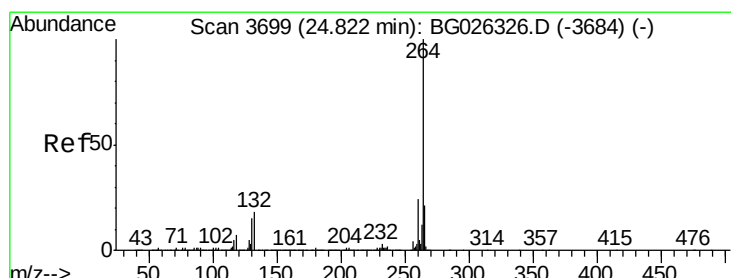
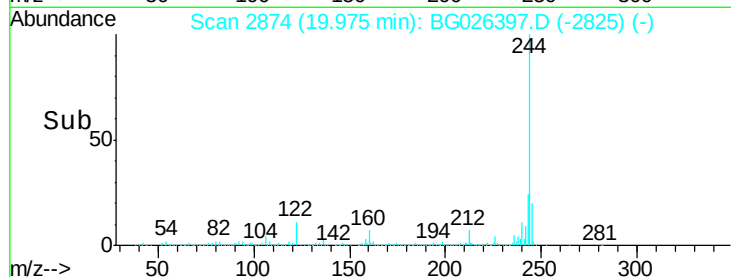
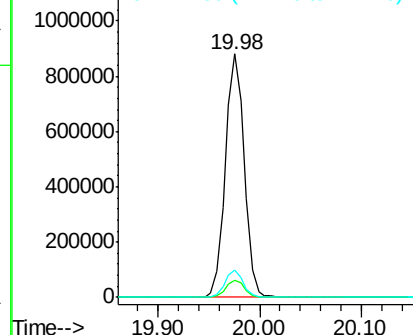
244 100

212 7.0 10.0 15.0#

122 11.4 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: 20.00 ng

RT: 24.80 min Scan# 3695

Delta R.T. -0.02 min

Lab File: BG026397.D

Acq: 23 Mar 2017 11:19

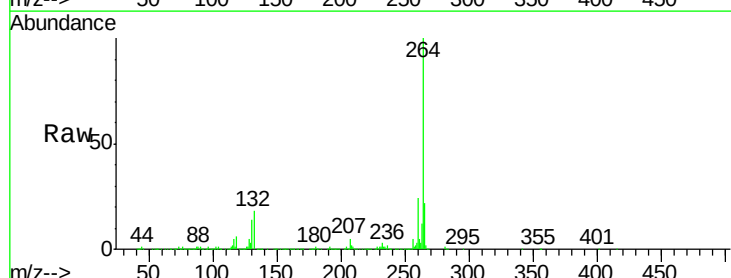
Tgt Ion:264 Resp: 903443

Ion Ratio Lower Upper

264 100

260 23.7 21.8 32.8

265 21.8 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

