

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040418\  
 Data File : BG033566.D  
 Acq On : 4 Apr 2018 18:59  
 Operator : SJ/JU  
 Sample : J2177-15  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 032818-SIDI-E-U-B

Quant Time: Apr 05 03:36:52 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 04 18:35:46 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.87  | 152  | 29429    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.75 | 136  | 140299   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.48 | 164  | 118305   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 18.21 | 188  | 320921   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.56 | 240  | 321638   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 26.32 | 264  | 327080   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.29  | 112  | 81776    | 52.11  | ng    | 0.00     |
| 7) Phenol-d6                | 7.98  | 99   | 92458    | 34.29  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 10.06 | 82   | 308661   | 101.08 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.95 | 330  | 172687   | 97.60  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 14.11 | 172  | 808619   | 98.67  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.73 | 244  | 1457015  | 96.88  | ng    | 0.00     |

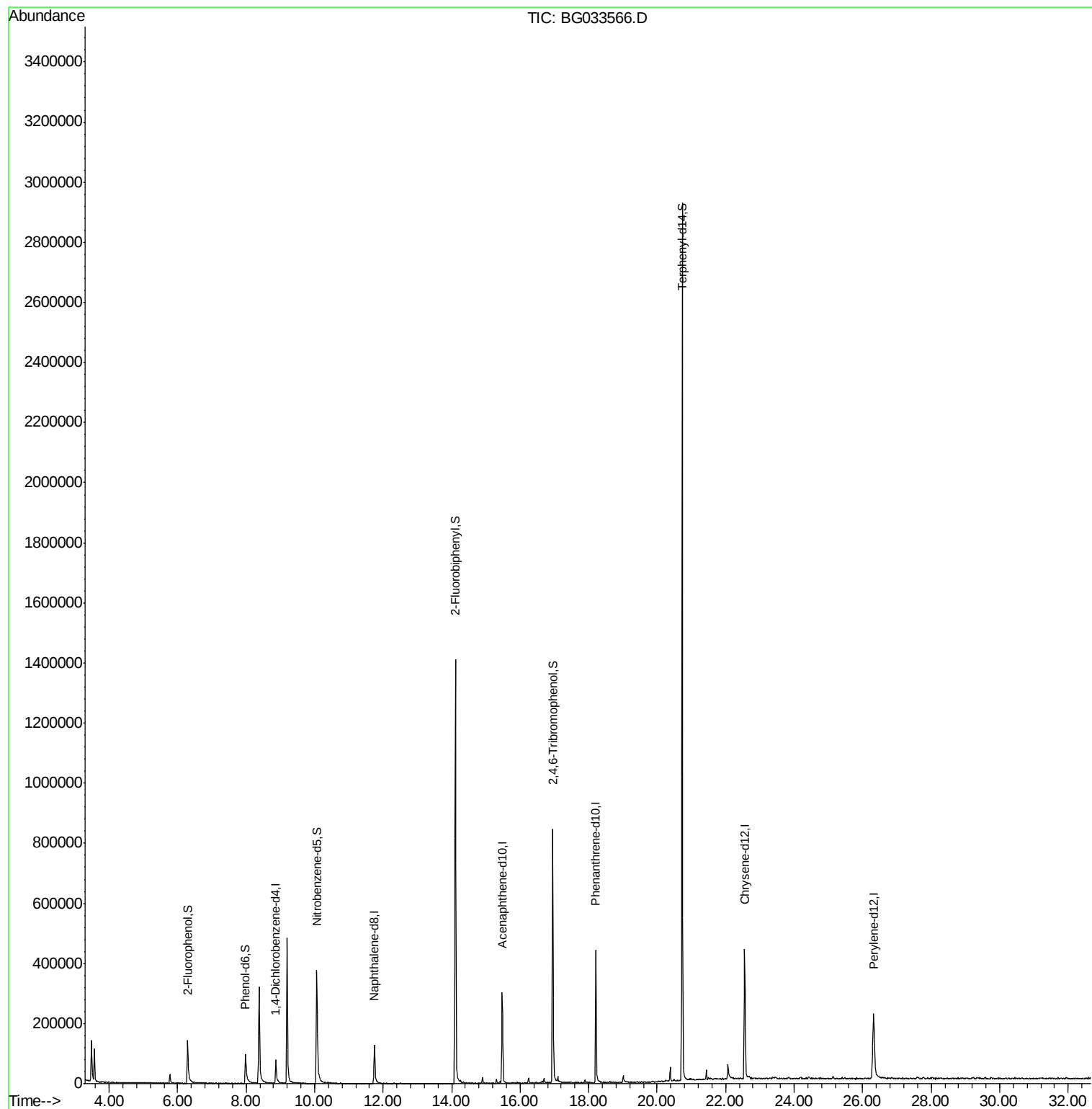
Target Compounds Qvalue

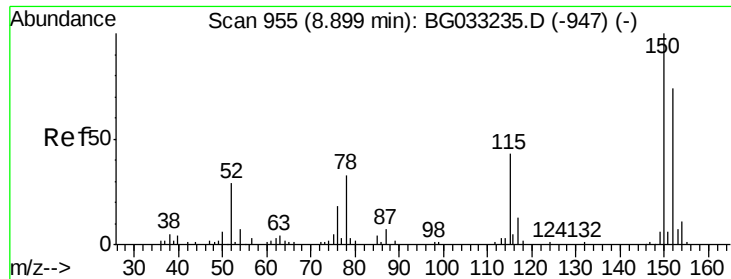
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 14 Sample Multiplier: 1

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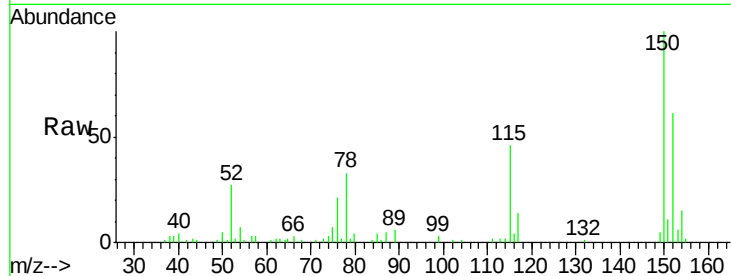


#1

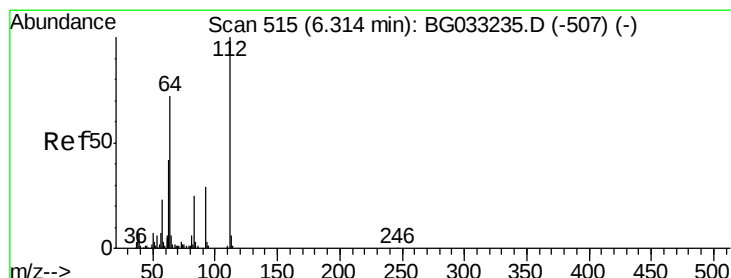
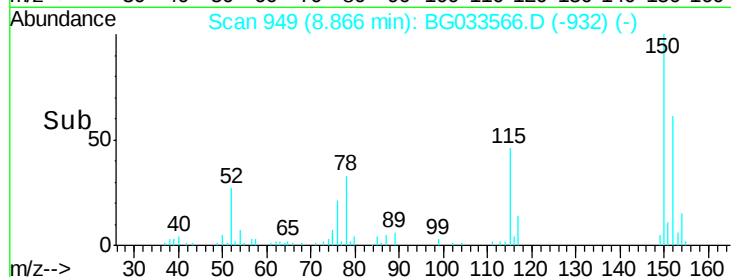
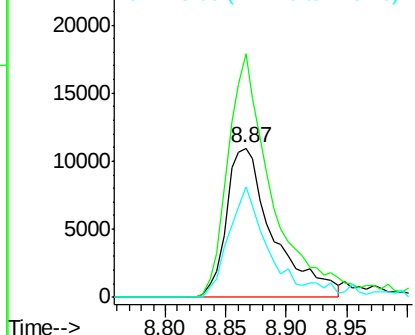
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.87 min Scan# 949  
Delta R.T. 0.00 min  
Lab File: BG033566.D  
Acq: 4 Apr 2018 18:59

Instrument :  
BNA\_G  
ClientSampleId :  
032818-SIDI-E-U-B

Tot Ion:152 Resp: 29429  
Ion Ratio Lower Upper  
152 100  
150 163.1 126.6 189.8  
115 74.3 53.0 79.4



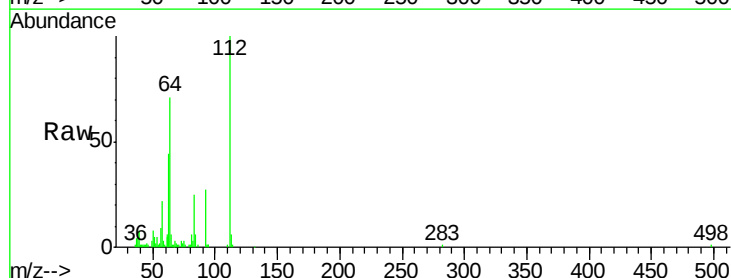
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



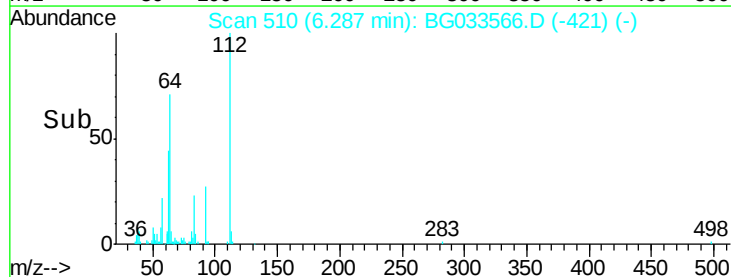
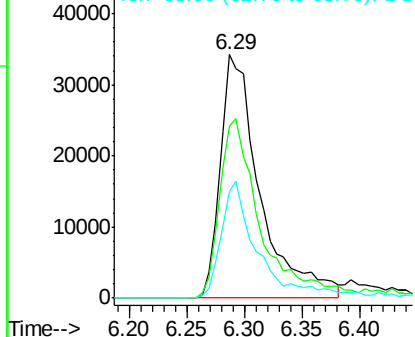
#5

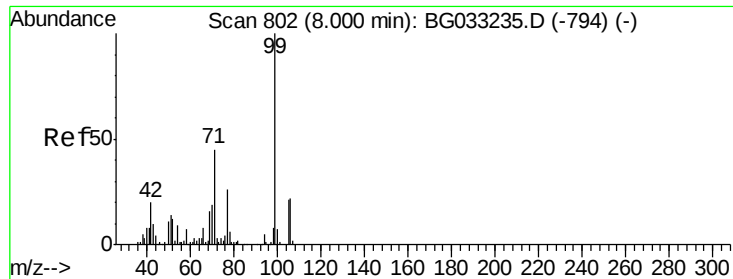
2-Fluorophenol  
Concen: 52.105 ng  
RT: 6.29 min Scan# 510  
Delta R.T. -0.01 min  
Lab File: BG033566.D  
Acq: 4 Apr 2018 18:59

Tgt Ion:112 Resp: 81776  
Ion Ratio Lower Upper  
112 100  
64 70.8 56.3 84.5  
63 43.8 30.1 45.1



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: 34.286 ng

RT: 7.98 min Scan# 798

Delta R.T. 0.00 min

Lab File: BG033566.D

Acq: 4 Apr 2018 18:59

Instrument :

BNA\_G

ClientSampleId :

032818-SIDI-E-U-B

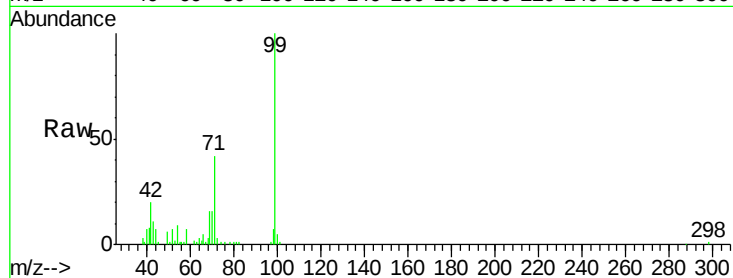
Tot Ion: 99 Resp: 92458

Ion Ratio Lower Upper

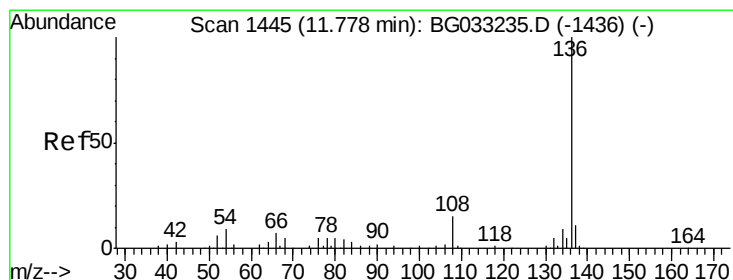
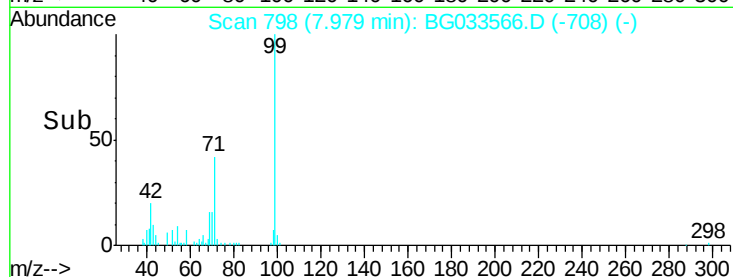
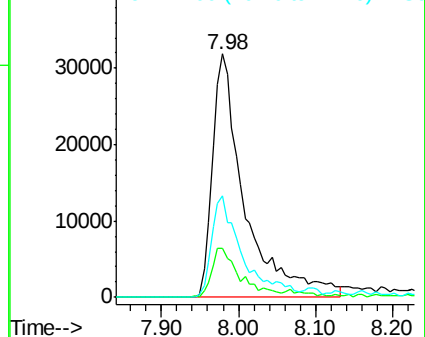
99 100

42 20.2 14.1 21.1

71 41.8 26.1 39.1#



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: 11.75 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BG033566.D

Acq: 4 Apr 2018 18:59

Tgt Ion: 136 Resp: 140299

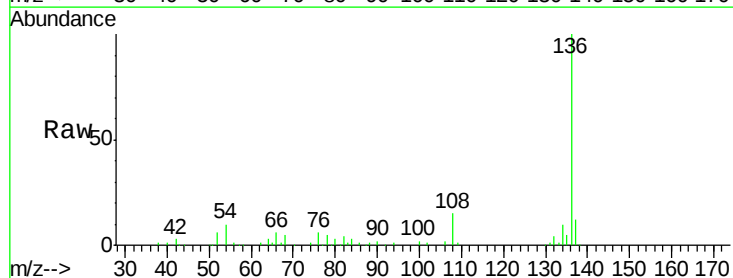
Ion Ratio Lower Upper

136 100

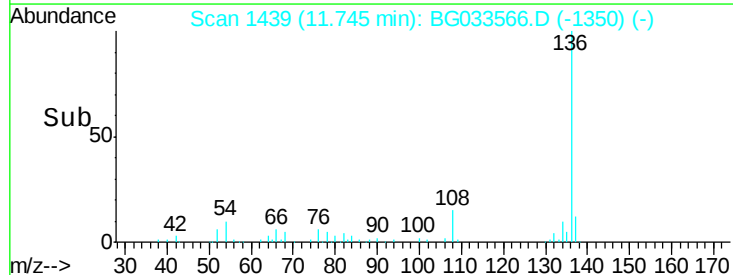
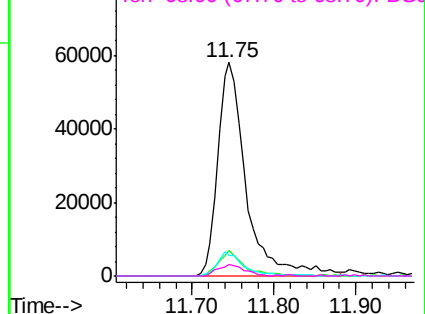
137 12.3 9.2 13.8

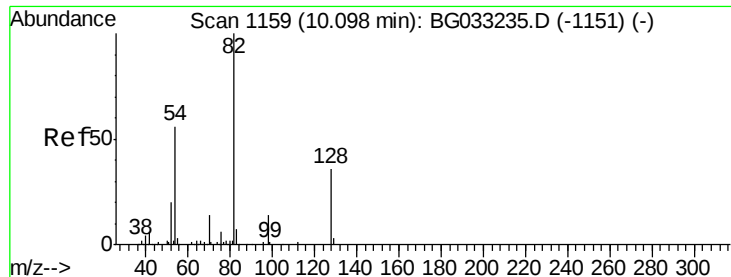
54 9.6 10.3 15.5#

68 5.3 4.5 6.7



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: 101.078 ng

RT: 10.06 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BG033566.D

Acq: 4 Apr 2018 18:59

Instrument :

BNA\_G

ClientSampleId :

032818-SIDI-E-U-B

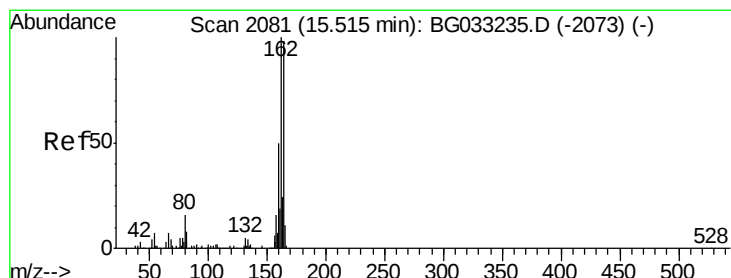
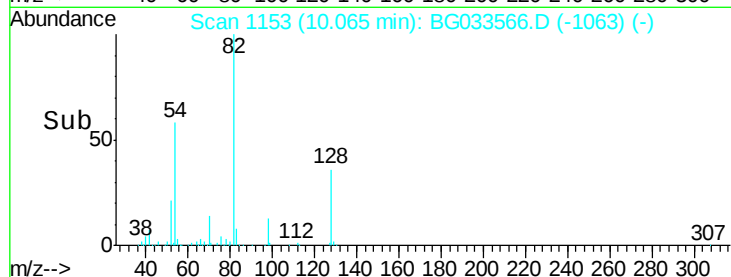
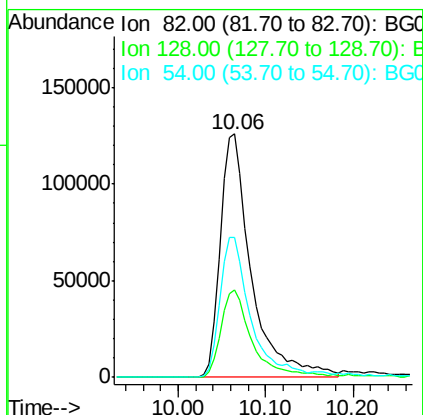
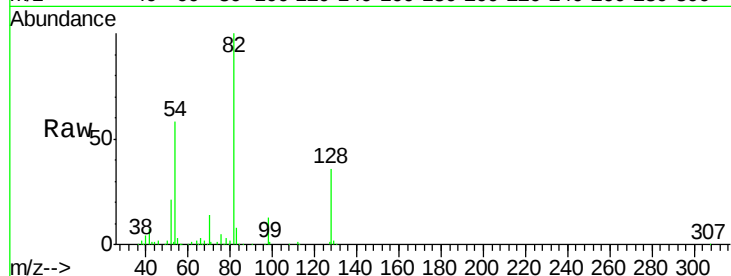
Tot Ion: 82 Resp: 308661

Ion Ratio Lower Upper

82 100

128 35.7 29.7 44.5

54 57.6 43.1 64.7



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.48 min Scan# 2074

Delta R.T. -0.01 min

Lab File: BG033566.D

Acq: 4 Apr 2018 18:59

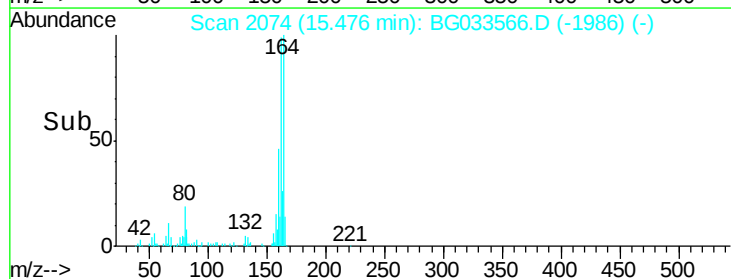
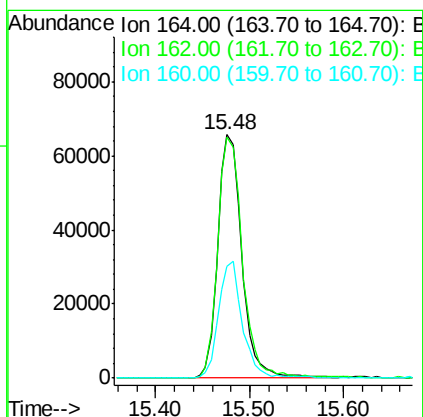
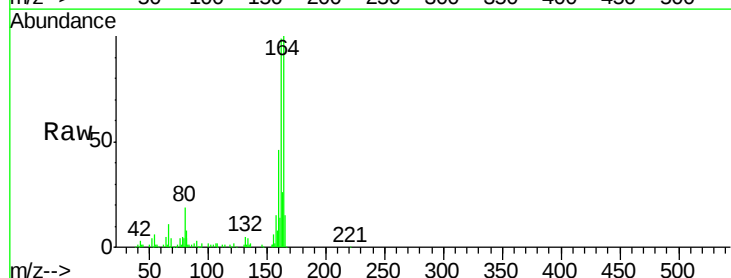
Tgt Ion: 164 Resp: 118305

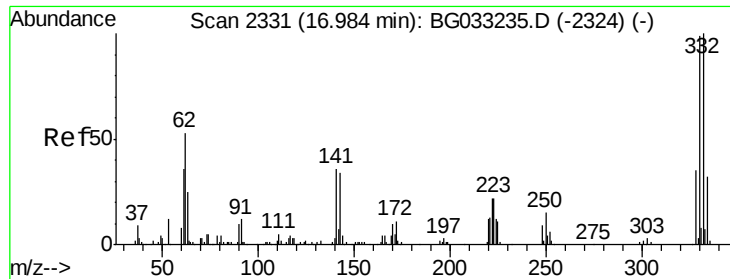
Ion Ratio Lower Upper

164 100

162 98.8 78.8 118.2

160 46.0 35.4 53.0

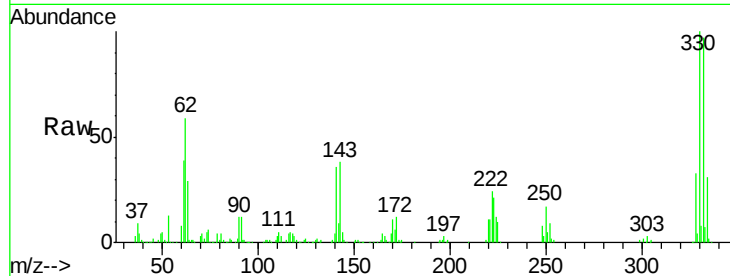




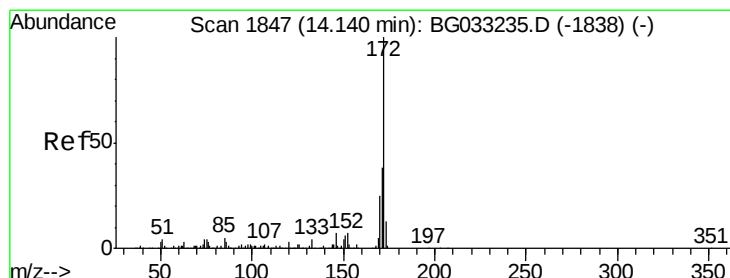
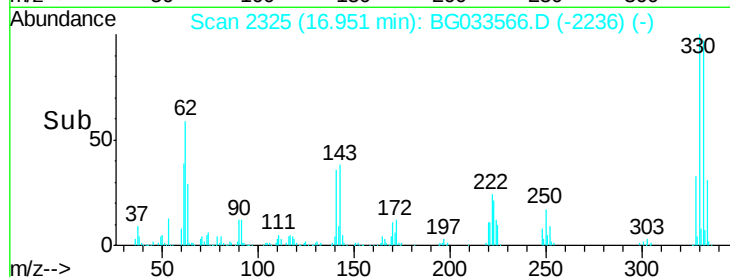
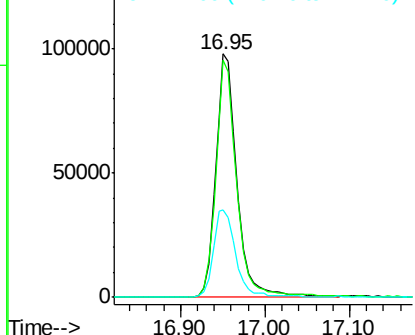
#41  
 2,4,6-Tribromophenol  
 Concen: 97.597 ng  
 RT: 16.95 min Scan# 2325  
 Delta R.T. -0.01 min  
 Lab File: BG033566.D  
 Acq: 4 Apr 2018 18:59

Instrument :  
 BNA\_G  
 ClientSampleId :  
 032818-SIDI-E-U-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 77.0  | 115.6 |
| 141     | 38.1  | 25.2  | 37.8# |

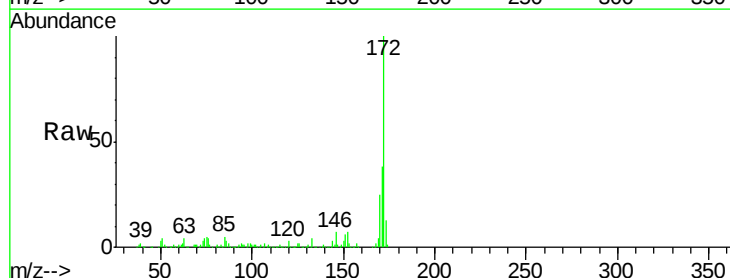


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

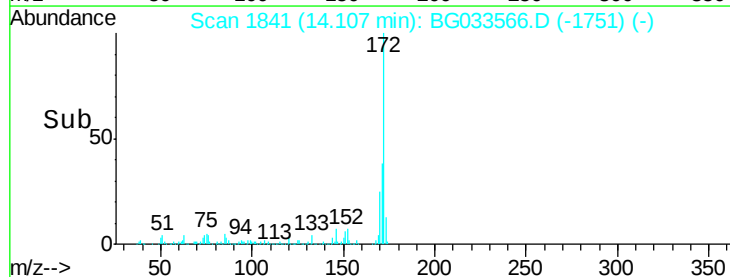
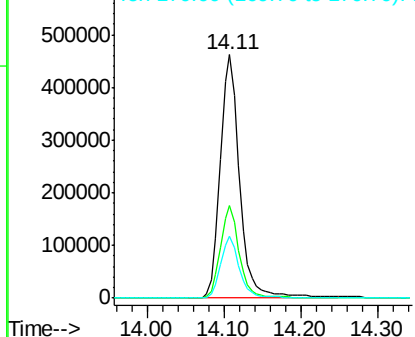


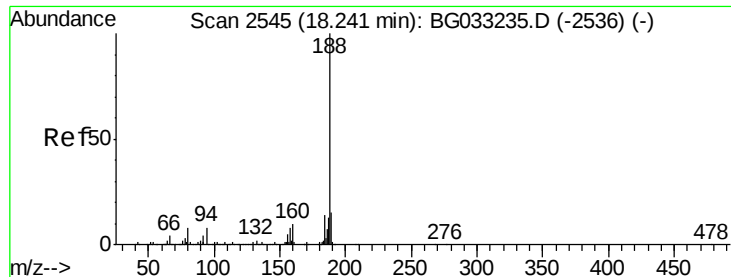
#44  
 2-Fluorobiphenyl  
 Concen: 98.673 ng  
 RT: 14.11 min Scan# 1841  
 Delta R.T. 0.00 min  
 Lab File: BG033566.D  
 Acq: 4 Apr 2018 18:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.3  | 30.0  | 45.0  |
| 170     | 25.3  | 19.5  | 29.3  |



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

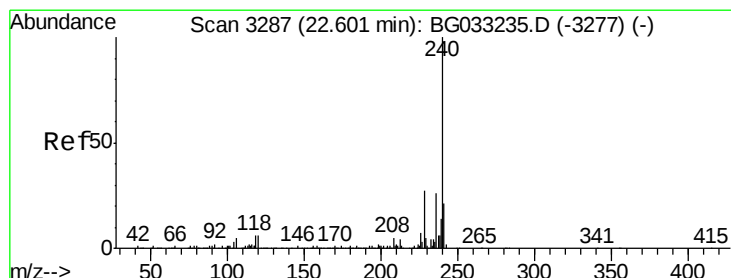
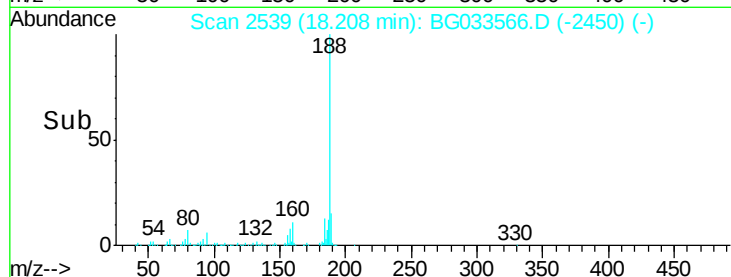
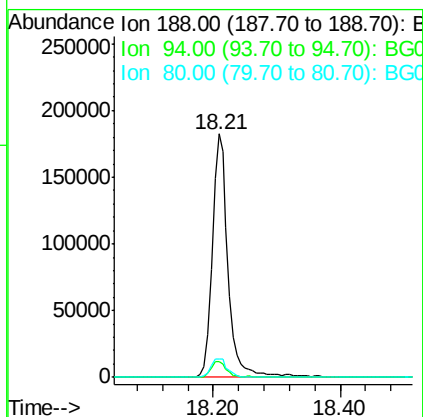
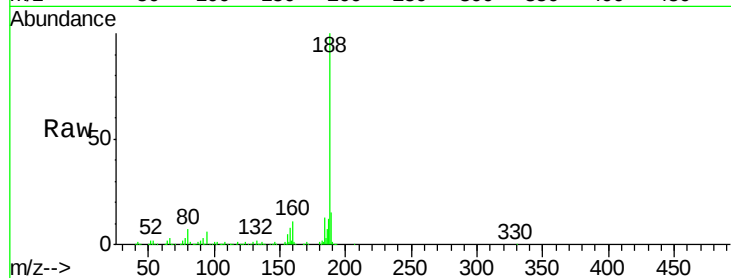




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.21 min Scan# 2539  
Delta R.T. -0.01 min  
Lab File: BG033566.D  
Acq: 4 Apr 2018 18:59

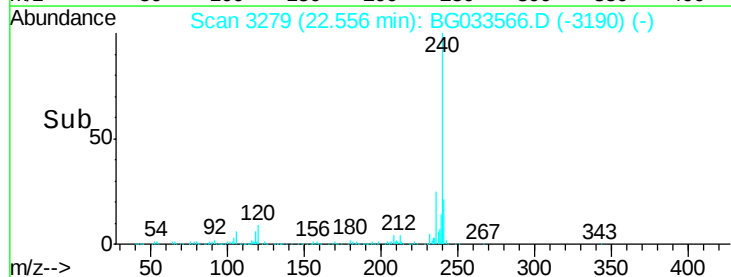
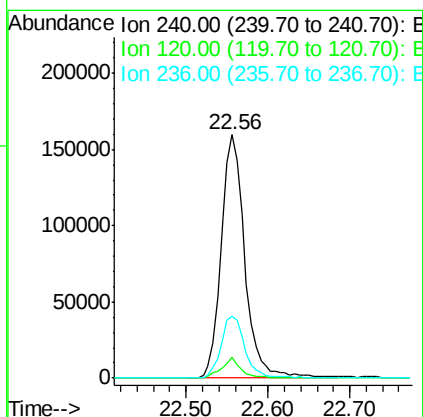
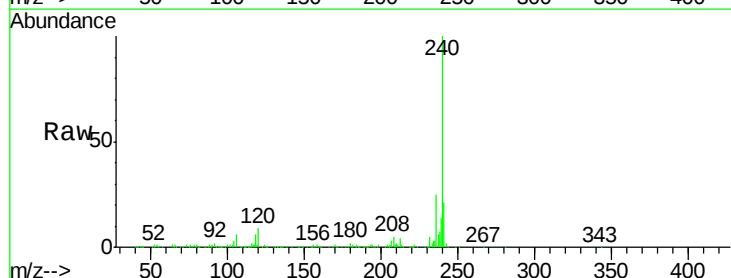
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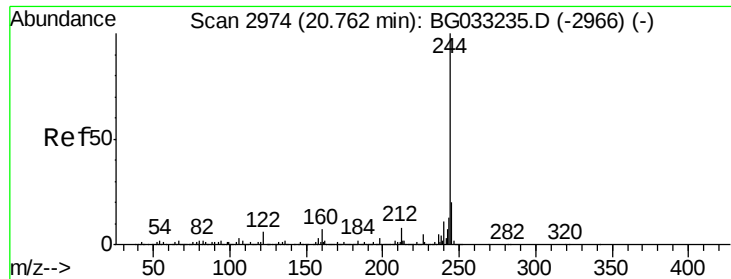
Tot Ion:188 Resp: 320921  
Ion Ratio Lower Upper  
188 100  
94 6.4 6.9 10.3#  
80 7.5 7.7 11.5#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.56 min Scan# 3279  
Delta R.T. -0.01 min  
Lab File: BG033566.D  
Acq: 4 Apr 2018 18:59

Tgt Ion:240 Resp: 321638  
Ion Ratio Lower Upper  
240 100  
120 8.6 6.8 10.2  
236 25.4 20.9 31.3





#78

Terphenyl-d14

Concen: 96.879 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BG033566.D

Acq: 4 Apr 2018 18:59

Instrument :

BNA\_G

ClientSampleId :

032818-SIDI-E-U-B

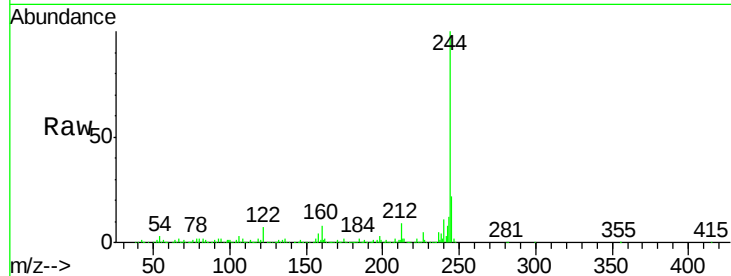
Tot Ion:244 Resp: 1457015

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

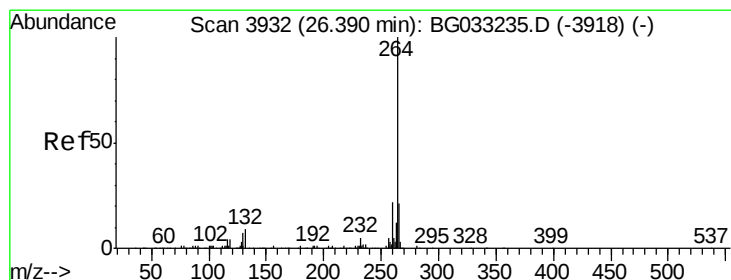
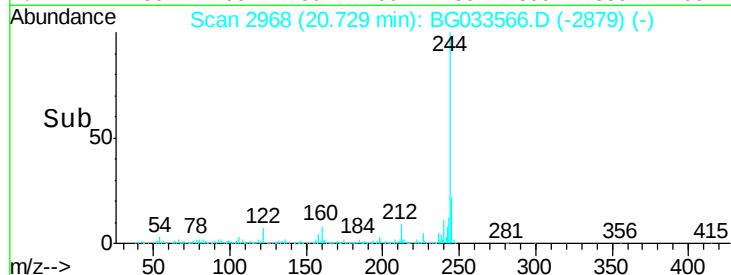
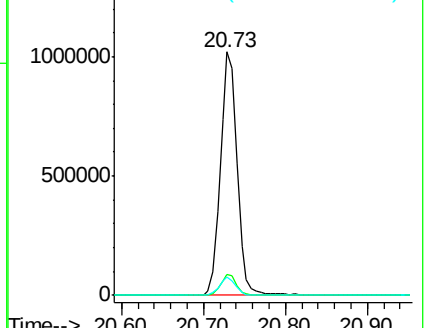
122 7.3 7.0 10.4



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: 20.000 ng

RT: 26.32 min Scan# 3919

Delta R.T. -0.01 min

Lab File: BG033566.D

Acq: 4 Apr 2018 18:59

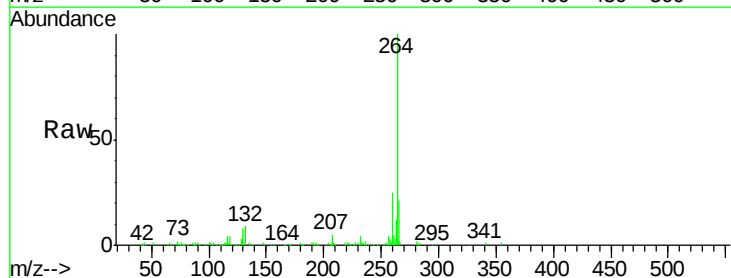
Tgt Ion:264 Resp: 327080

Ion Ratio Lower Upper

264 100

260 24.7 17.4 26.0

265 20.6 17.7 26.5



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

