

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040418\  
 Data File : BG033561.D  
 Acq On : 4 Apr 2018 15:50  
 Operator : SJ/JU  
 Sample : J2177-10  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 032818-JETB-F-U-B

Quant Time: Apr 04 18:55:18 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   | 8.86  | 152  | 32428    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.75 | 136  | 144454   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.48 | 164  | 127572   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 18.21 | 188  | 339299   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.56 | 240  | 338958   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 26.32 | 264  | 342385   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.29  | 112  | 95674    | 55.32  | ng    | 0.00     |
| 7) Phenol-d6                | 7.98  | 99   | 109541   | 36.86  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 10.06 | 82   | 357209   | 113.61 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.95 | 330  | 183784   | 96.32  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 14.11 | 172  | 900210   | 101.87 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.73 | 244  | 1524558  | 96.19  | ng    | 0.00     |

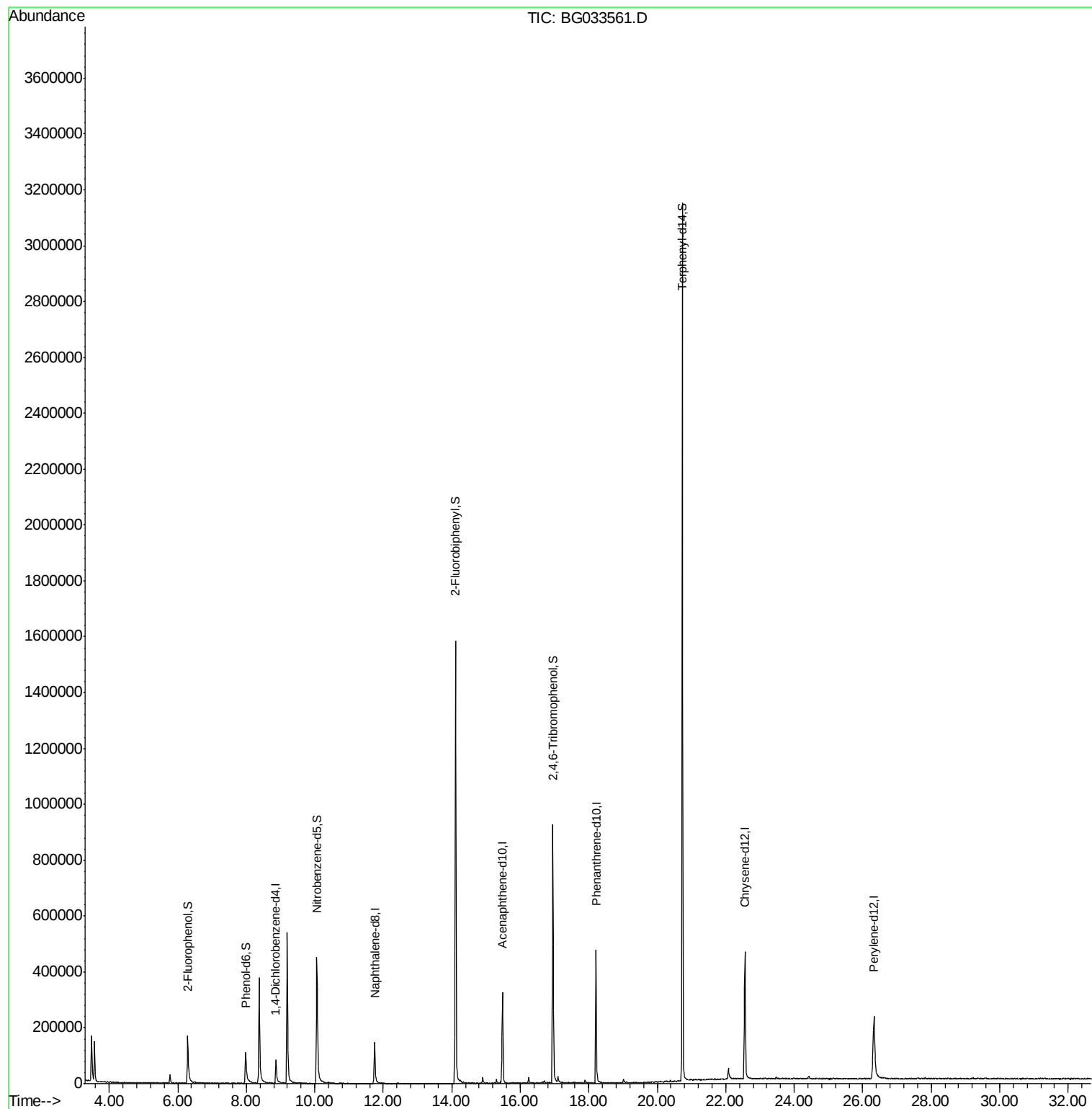
Target Compounds Qvalue

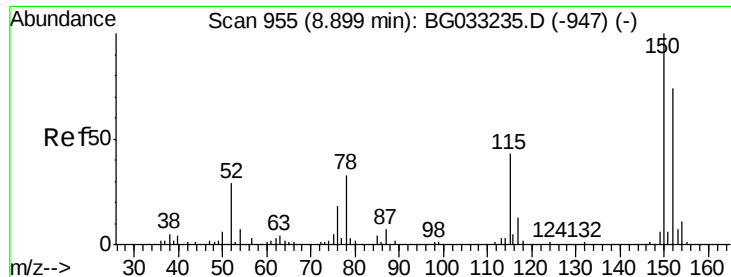
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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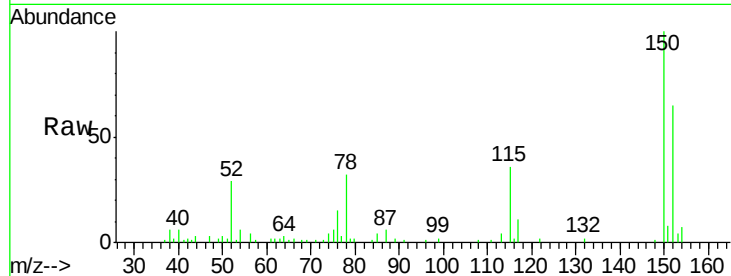


#1

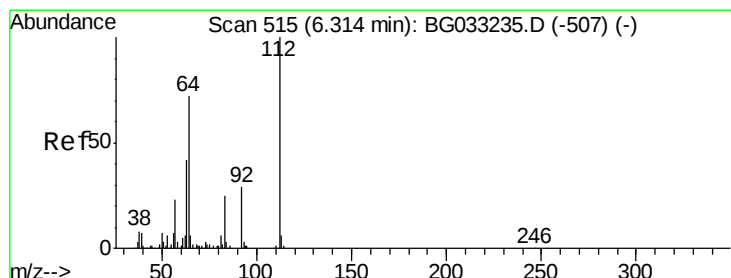
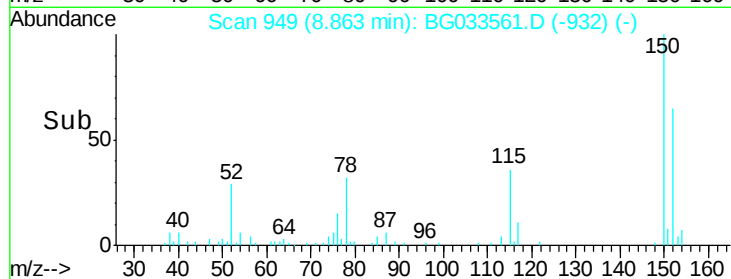
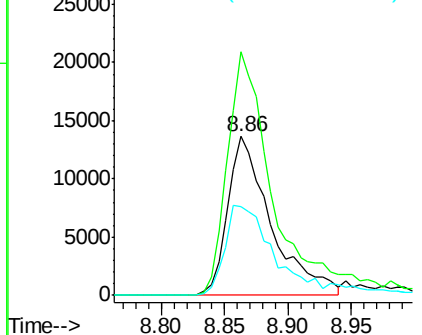
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.86 min Scan# 949  
Delta R.T. -0.00 min  
Lab File: BG033561.D  
Acq: 4 Apr 2018 15:50

Instrument :  
BNA\_G  
ClientSampleId :  
032818-JETB-F-U-B

Tot Ion:152 Resp: 32428  
Ion Ratio Lower Upper  
152 100  
150 153.4 126.6 189.8  
115 55.5 53.0 79.4



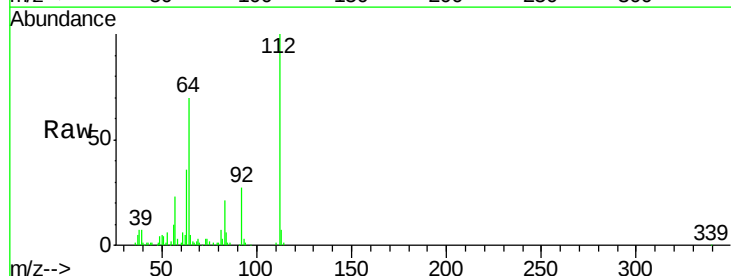
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



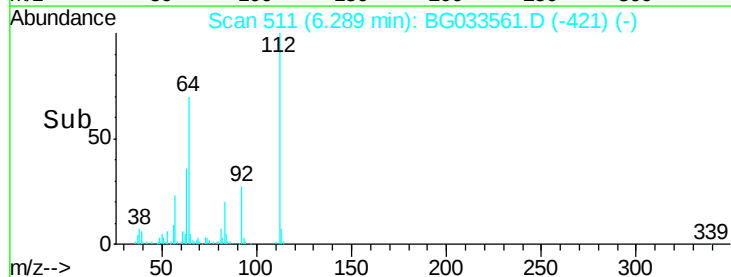
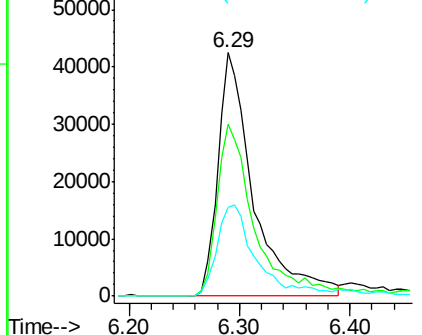
#5

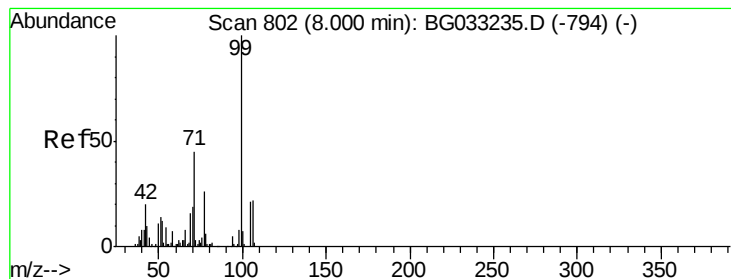
2-Fluorophenol  
Concen: 55.323 ng  
RT: 6.29 min Scan# 511  
Delta R.T. -0.00 min  
Lab File: BG033561.D  
Acq: 4 Apr 2018 15:50

Tgt Ion:112 Resp: 95674  
Ion Ratio Lower Upper  
112 100  
64 70.5 56.3 84.5  
63 36.5 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: 36.865 ng

RT: 7.98 min Scan# 798

Delta R.T. -0.00 min

Lab File: BG033561.D

Acq: 4 Apr 2018 15:50

Instrument :

BNA\_G

ClientSampleId :

032818-JETB-F-U-B

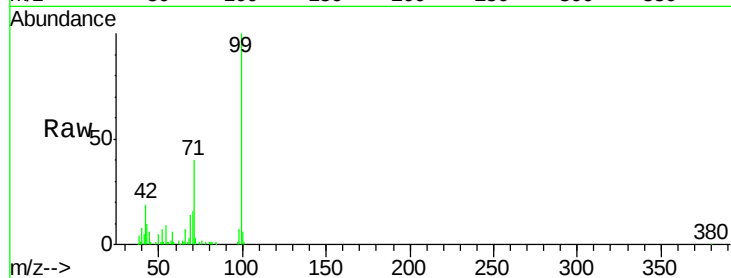
Tot Ion: 99 Resp: 109541

Ion Ratio Lower Upper

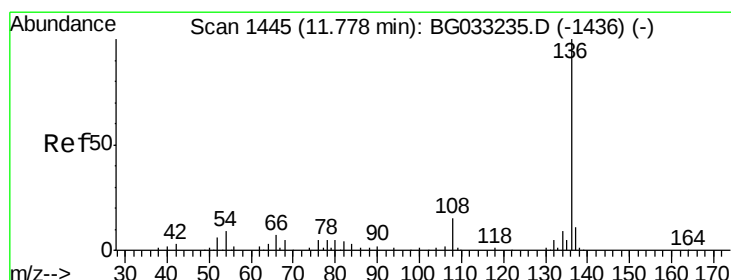
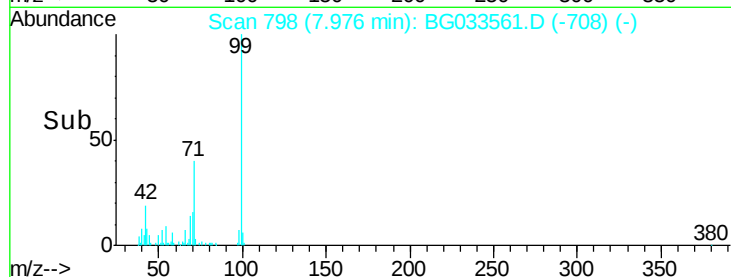
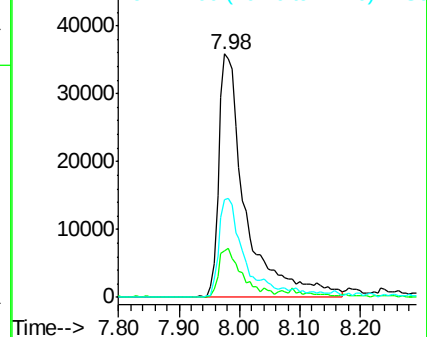
99 100

42 19.2 14.1 21.1

71 40.0 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# 1440

Delta R.T. -0.00 min

Lab File: BG033561.D

Acq: 4 Apr 2018 15:50

Tgt Ion: 136 Resp: 144454

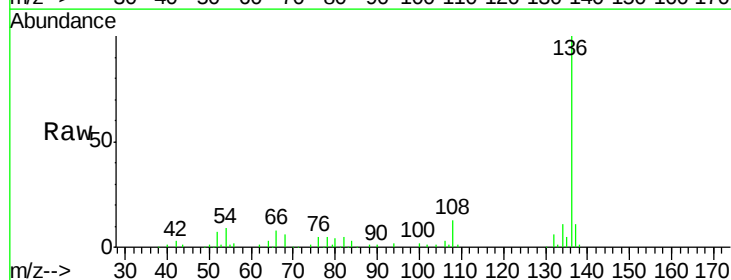
Ion Ratio Lower Upper

136 100

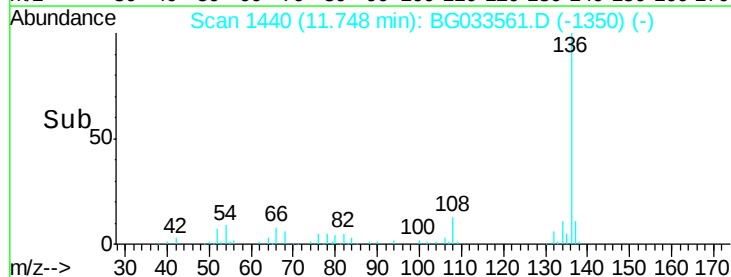
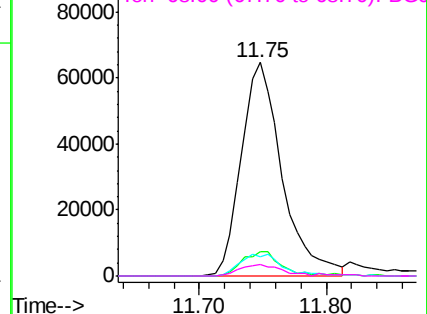
137 11.2 9.2 13.8

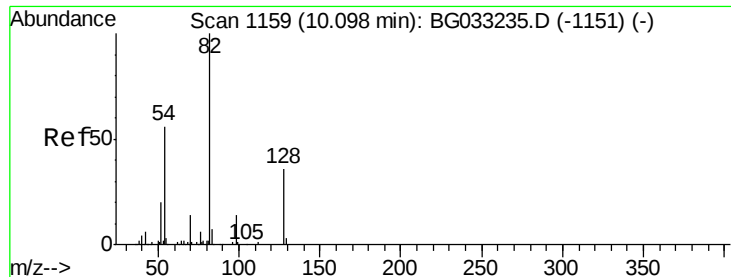
54 9.2 10.3 15.5#

68 5.6 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

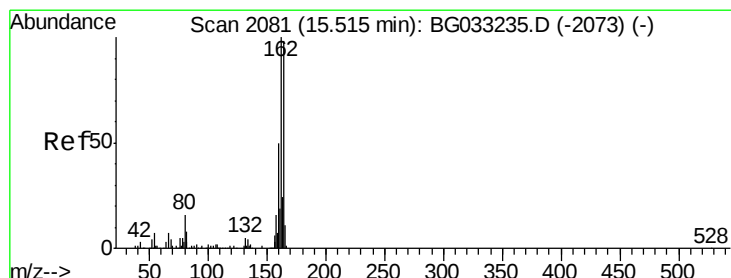
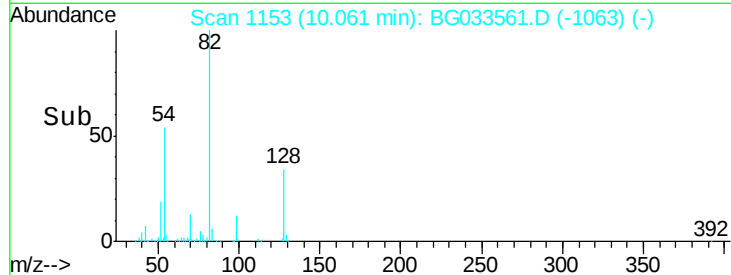
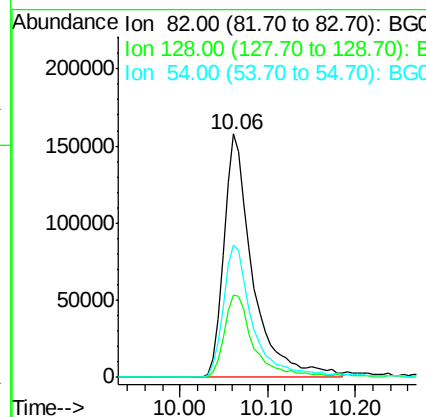
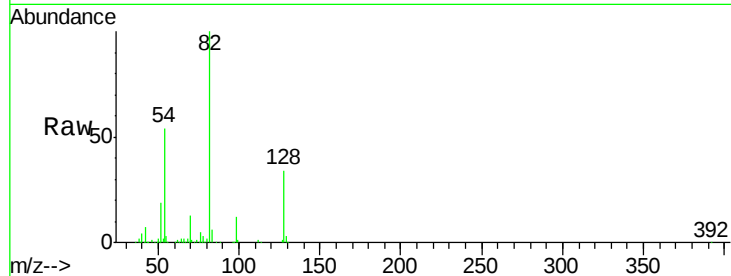




#23  
 Nitrobenzene-d5  
 Concen: 113.611 ng  
 RT: 10.06 min Scan# 1153  
 Delta R.T. -0.00 min  
 Lab File: BG033561.D  
 Acq: 4 Apr 2018 15:50

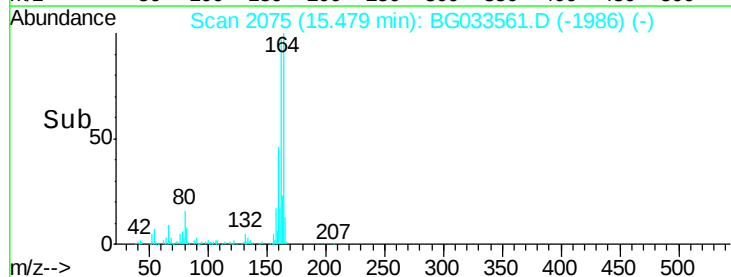
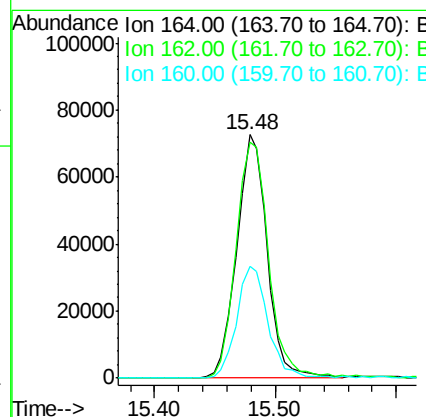
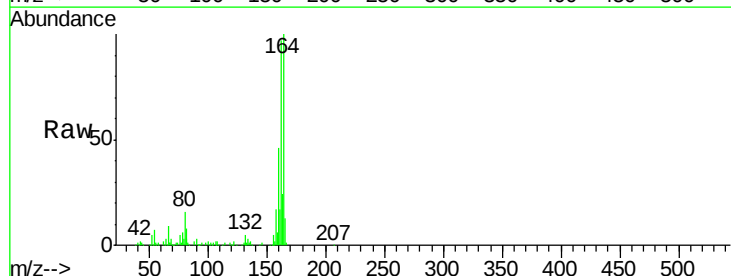
Instrument :  
 BNA\_G  
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 032818-JETB-F-U-B

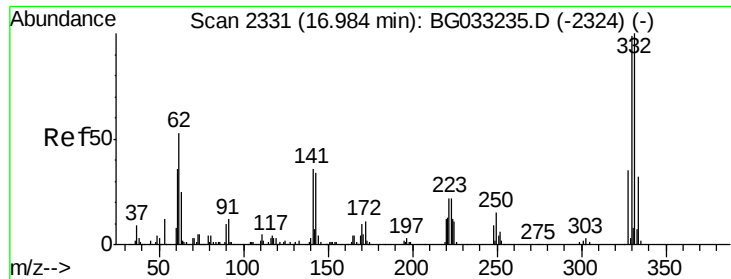
| Tot Ion   | 82    | Resp  | 357209 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 34.1  | 29.7  | 44.5   |
| 54        | 54.4  | 43.1  | 64.7   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.48 min Scan# 2075  
 Delta R.T. -0.01 min  
 Lab File: BG033561.D  
 Acq: 4 Apr 2018 15:50

| Tgt Ion   | 164   | Resp  | 127572 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 97.2  | 78.8  | 118.2  |
| 160       | 45.9  | 35.4  | 53.0   |

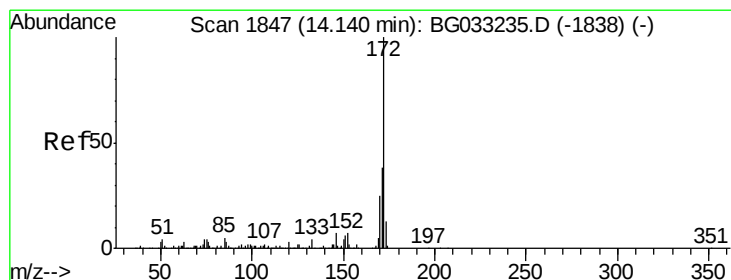
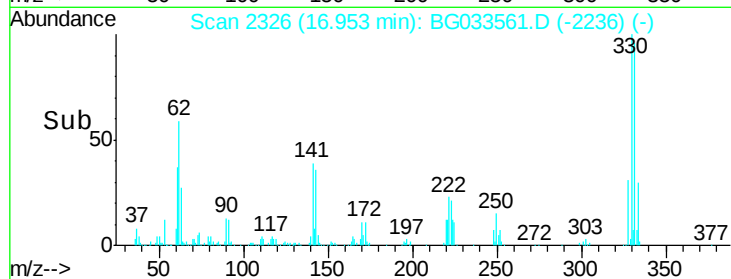
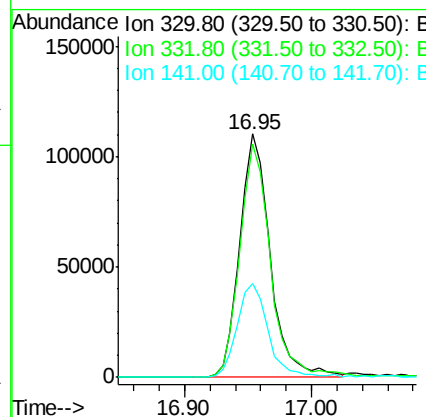
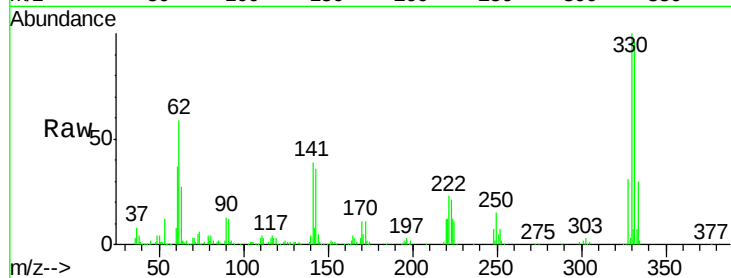




#41  
 2,4,6-Tribromophenol  
 Concen: 96.323 ng  
 RT: 16.95 min Scan# 2326  
 Delta R.T. -0.00 min  
 Lab File: BG033561.D  
 Acq: 4 Apr 2018 15:50

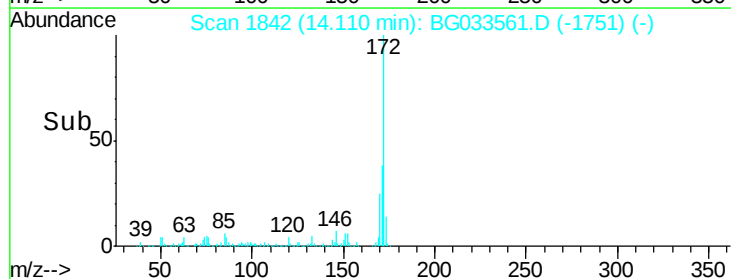
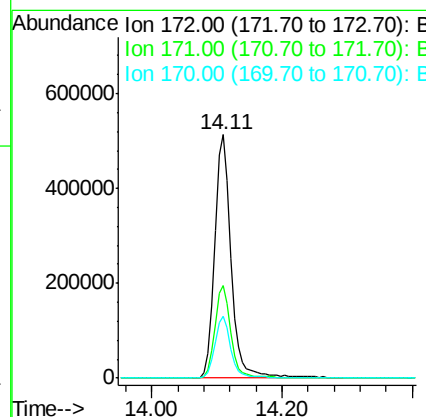
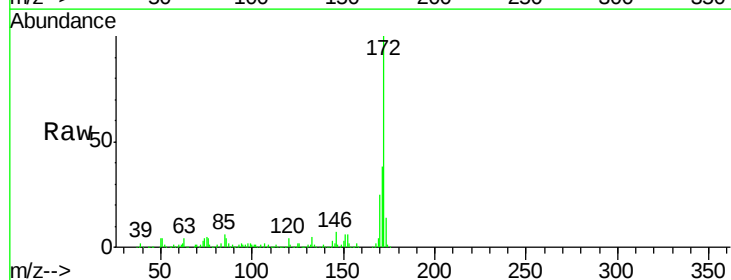
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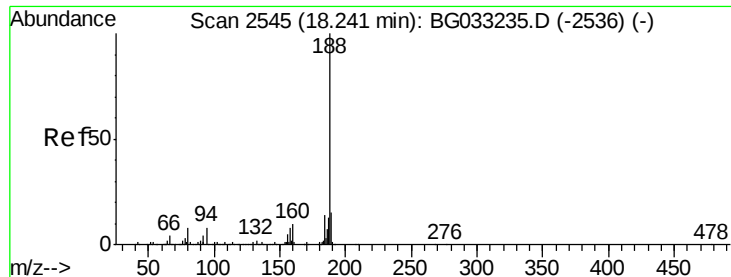
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.9  | 77.0  | 115.6 |
| 141     | 39.3  | 25.2  | 37.8# |



#44  
 2-Fluorobiphenyl  
 Concen: 101.870 ng  
 RT: 14.11 min Scan# 1842  
 Delta R.T. 0.00 min  
 Lab File: BG033561.D  
 Acq: 4 Apr 2018 15:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.9  | 30.0  | 45.0  |
| 170     | 25.3  | 19.5  | 29.3  |

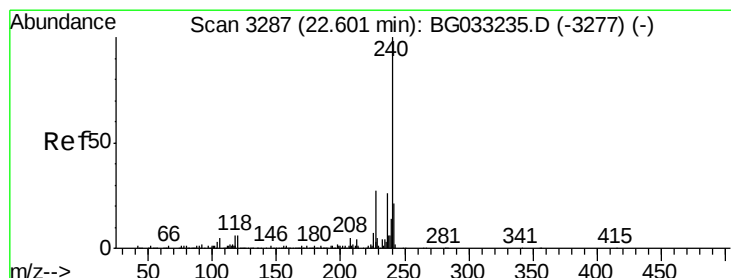
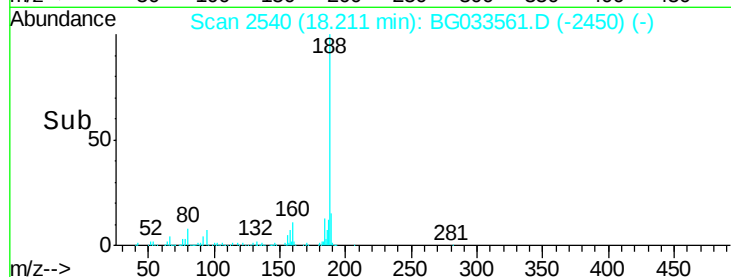
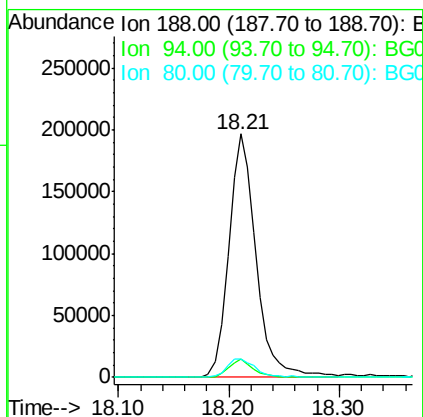
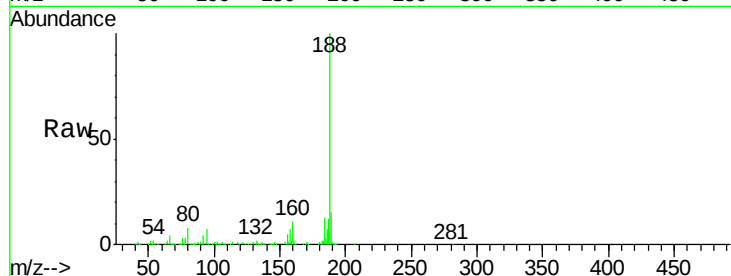




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.21 min Scan# 2540  
Delta R.T. -0.00 min  
Lab File: BG033561.D  
Acq: 4 Apr 2018 15:50

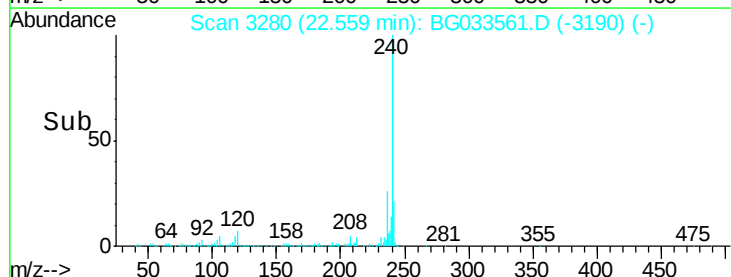
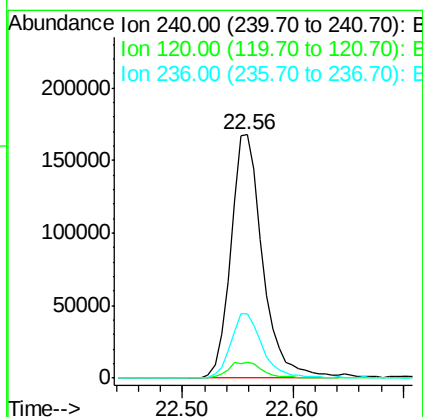
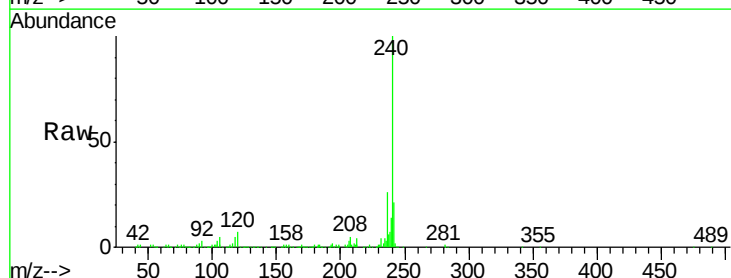
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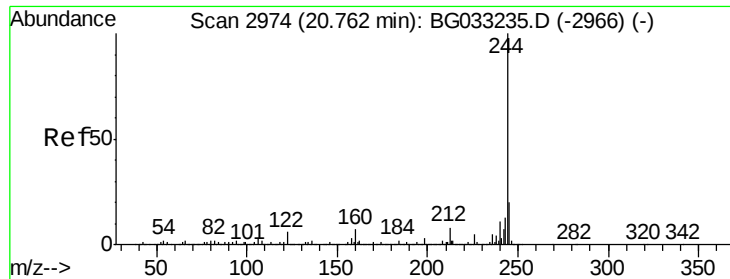
Tot Ion:188 Resp: 339299  
Ion Ratio Lower Upper  
188 100  
94 7.4 6.9 10.3  
80 7.8 7.7 11.5



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.56 min Scan# 3280  
Delta R.T. -0.00 min  
Lab File: BG033561.D  
Acq: 4 Apr 2018 15:50

Tgt Ion:240 Resp: 338958  
Ion Ratio Lower Upper  
240 100  
120 6.7 6.8 10.2#  
236 26.2 20.9 31.3





#78

Terphenyl-d14

Concen: 96.190 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.00 min

Lab File: BG033561.D

Acq: 4 Apr 2018 15:50

Instrument :

BNA\_G

ClientSampleId :

032818-JETB-F-U-B

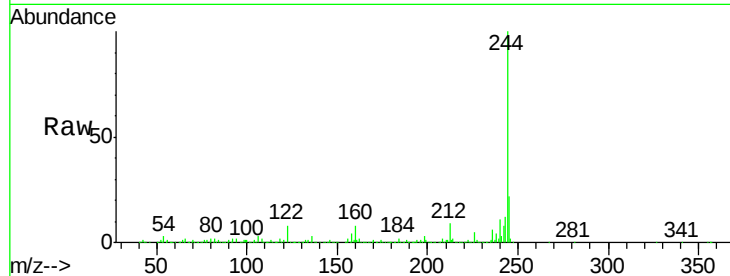
Tot Ion:244 Resp: 1524558

Ion Ratio Lower Upper

244 100

212 8.6 5.8 8.8

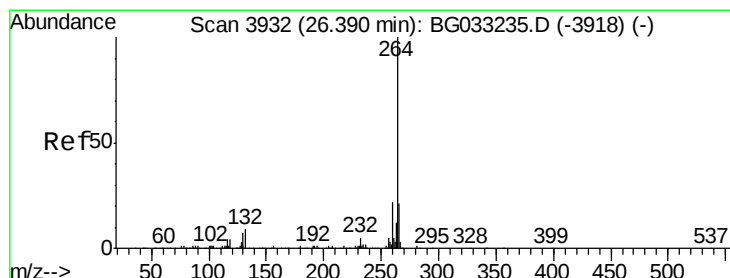
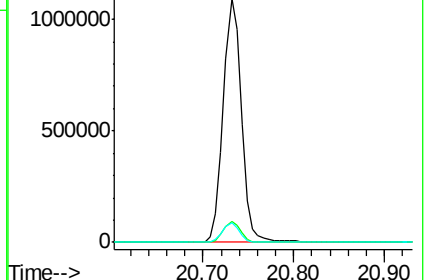
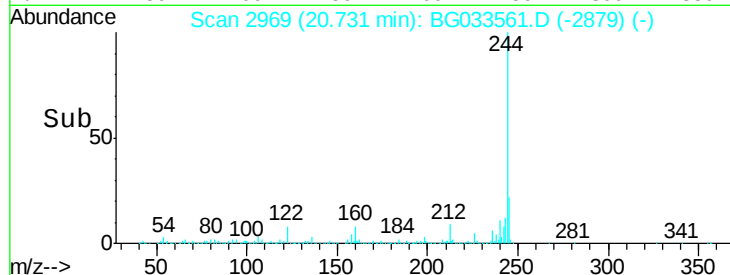
122 7.9 7.0 10.4



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# 3921

Delta R.T. 0.00 min

Lab File: BG033561.D

Acq: 4 Apr 2018 15:50

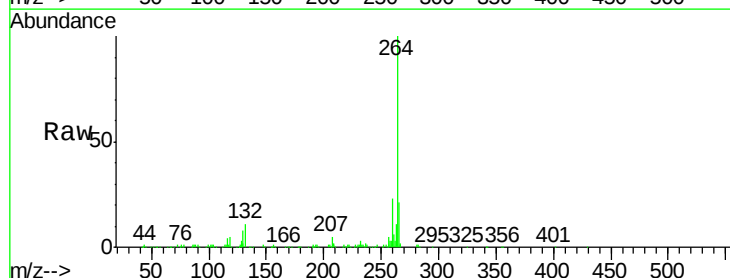
Tgt Ion:264 Resp: 342385

Ion Ratio Lower Upper

264 100

260 23.0 17.4 26.0

265 20.7 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

