

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG121217\  
 Data File : BG031519.D  
 Acq On : 13 Dec 2017 8:41  
 Operator : SJ/JU  
 Sample : I6763-09  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 120517-TIDO-F-U-B

Quant Time: Dec 13 10:02:10 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG121117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 11 17:25:55 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.11  | 152  | 59816    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.92 | 136  | 253501   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.73 | 164  | 172139   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.48 | 188  | 448966   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.75 | 240  | 546034   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.03 | 264  | 528906   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.67  | 112  | 180210   | 53.40  | ng    | 0.00     |
| 7) Phenol-d6                | 7.28  | 99   | 151889   | 32.42  | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 9.28  | 82   | 395924   | 96.27  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.22 | 330  | 111610   | 55.34  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.35 | 172  | 1190063  | 101.48 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.07 | 244  | 2041125  | 85.05  | ng    | 0.00     |

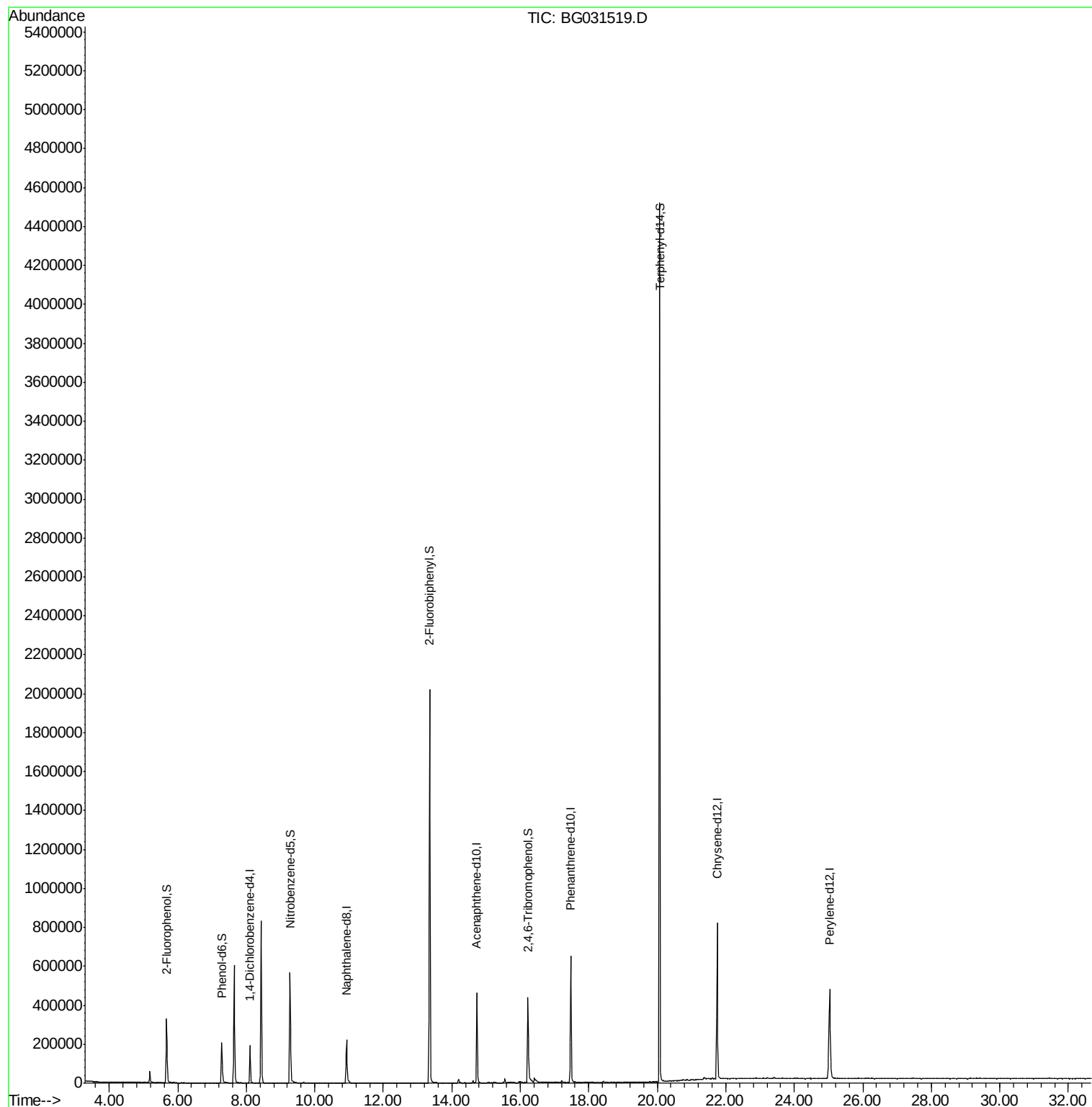
Target Compounds Qvalue

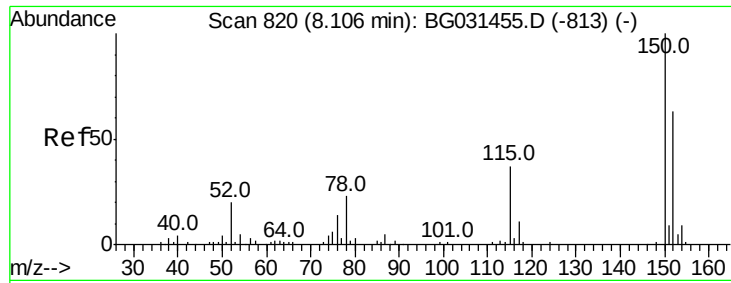
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG121217\  
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Operator : SJ/JU  
Sample : I6763-09  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
120517-TIDO-F-U-B

Quant Time: Dec 13 10:02:10 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG121117.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 11 17:25:55 2017  
Response via : Initial Calibration



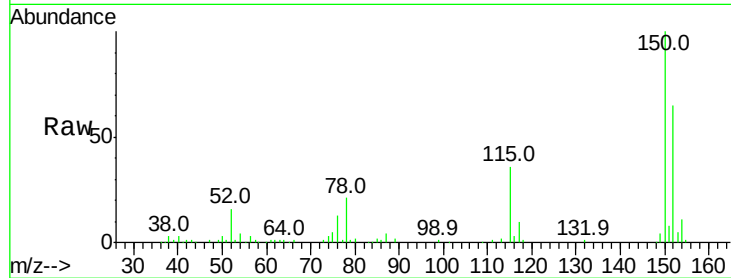


#1

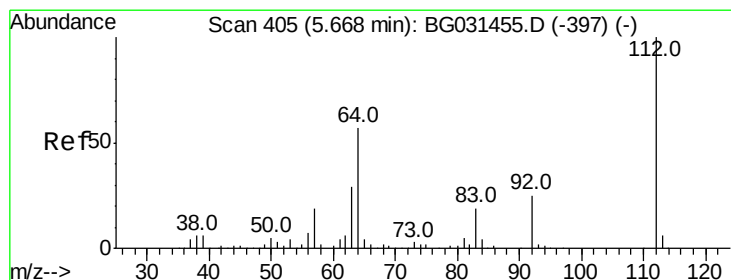
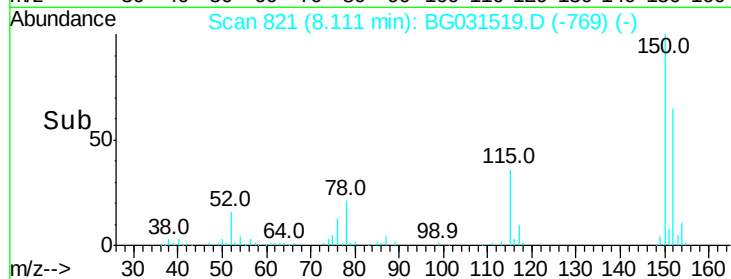
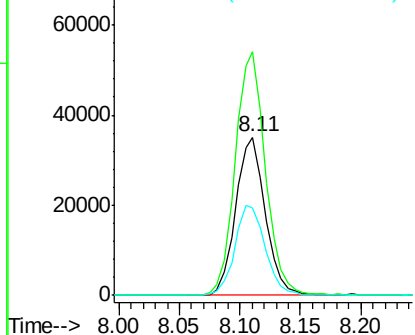
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.11 min Scan# 821  
Delta R.T. 0.00 min  
Lab File: BG031519.D  
Acq: 13 Dec 2017 8:41

Instrument :  
BNA\_G  
ClientSampleId :  
120517-TIDO-F-U-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.1 | 126.6 | 189.8 |
| 115     | 55.0  | 53.0  | 79.4  |



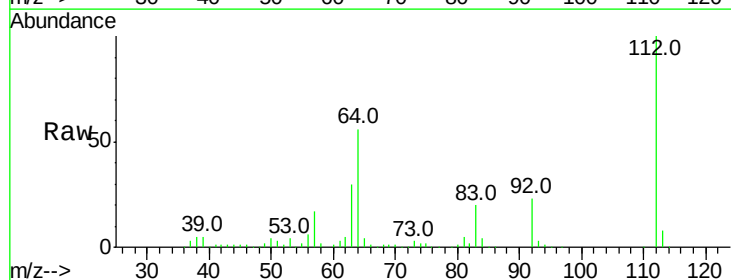
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



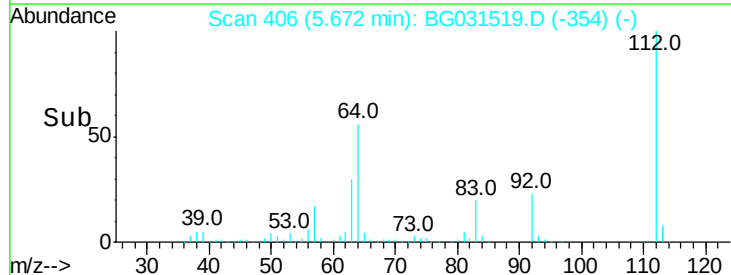
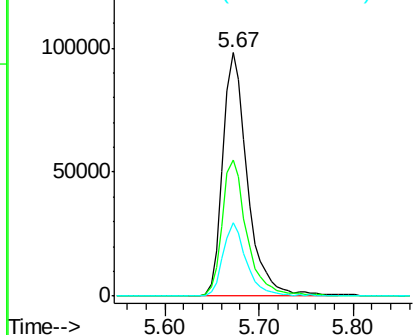
#5

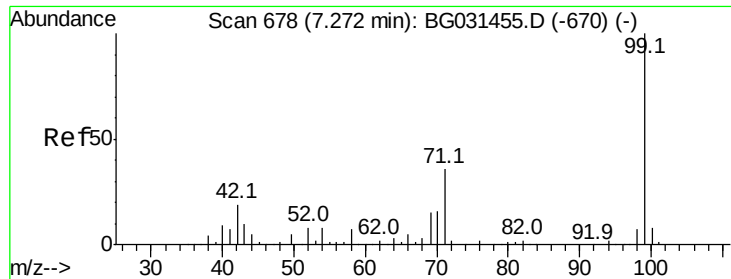
2-Fluorophenol  
Concen: 53.401 ng  
RT: 5.67 min Scan# 406  
Delta R.T. 0.01 min  
Lab File: BG031519.D  
Acq: 13 Dec 2017 8:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.8  | 56.3  | 84.5# |
| 63      | 30.0  | 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: 32.422 ng

RT: 7.28 min Scan# 680

Delta R.T. 0.01 min

Lab File: BG031519.D

Acq: 13 Dec 2017 8:41

Instrument :

BNA\_G

ClientSampleId :

120517-TIDO-F-U-B

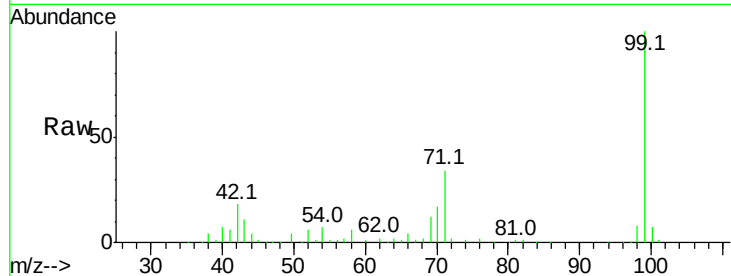
Tot Ion: 99 Resp: 151889

Ion Ratio Lower Upper

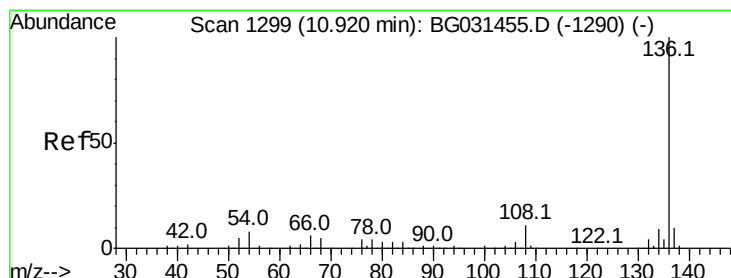
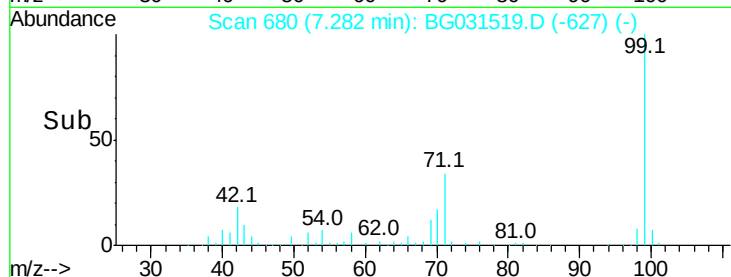
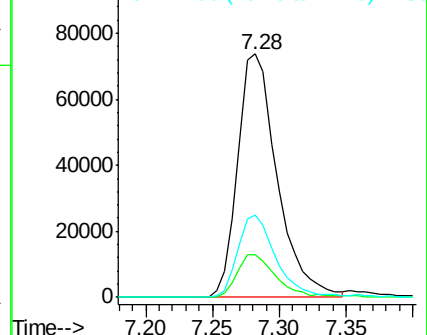
99 100

42 17.8 14.1 21.1

71 34.0 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: 10.92 min Scan# 1300

Delta R.T. 0.00 min

Lab File: BG031519.D

Acq: 13 Dec 2017 8:41

Tgt Ion: 136 Resp: 253501

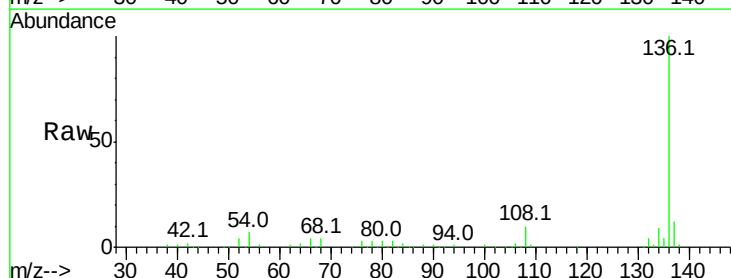
Ion Ratio Lower Upper

136 100

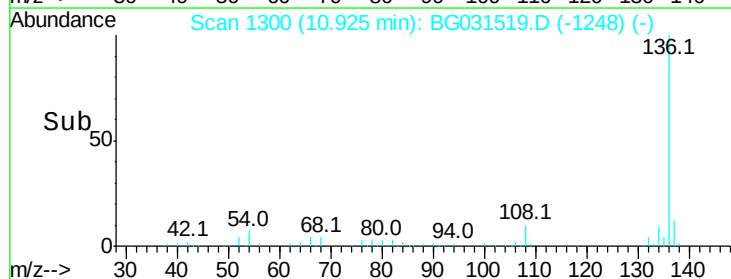
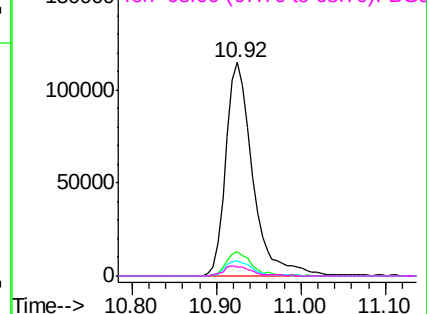
137 11.5 9.2 13.8

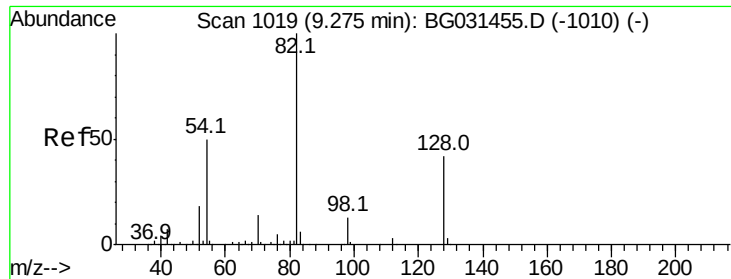
54 7.4 10.3 15.5#

68 4.5 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

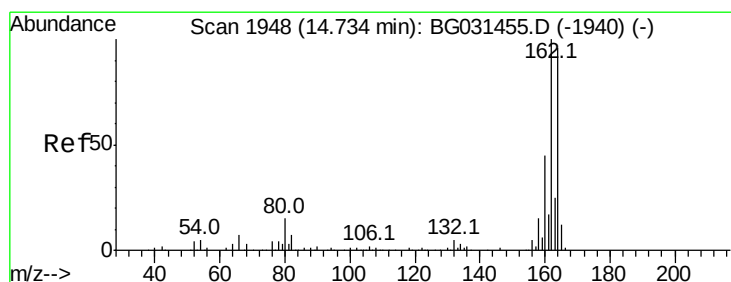
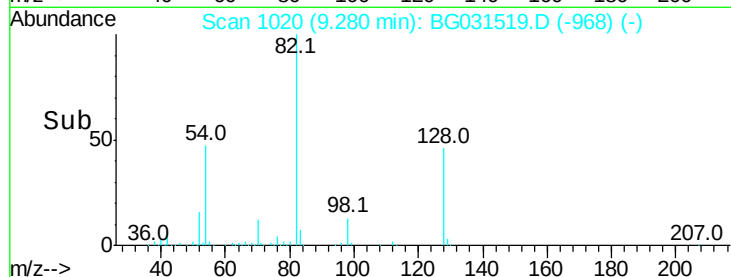
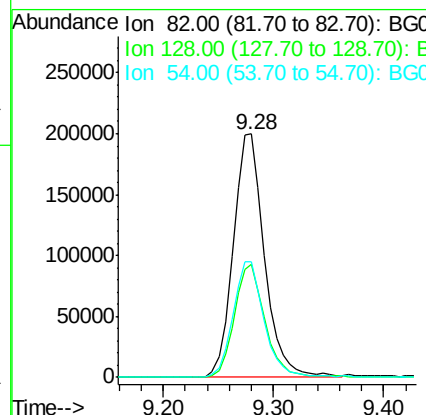
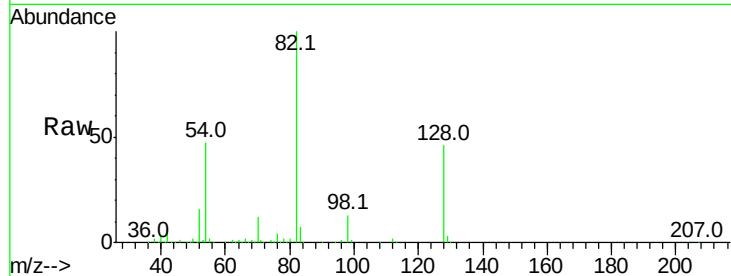




#23  
Nitrobenzene-d5  
Concen: 96.266 ng  
RT: 9.28 min Scan# 1020  
Delta R.T. 0.00 min  
Lab File: BG031519.D  
Acq: 13 Dec 2017 8:41

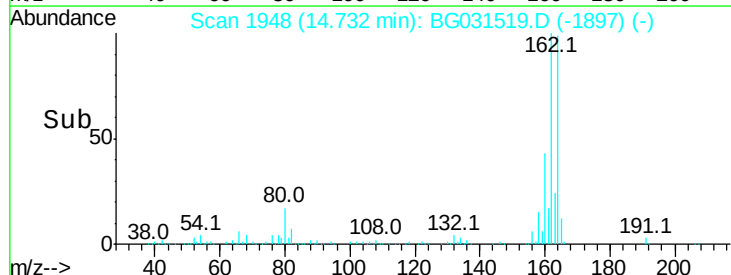
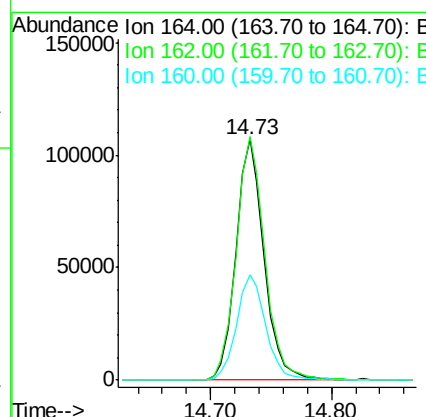
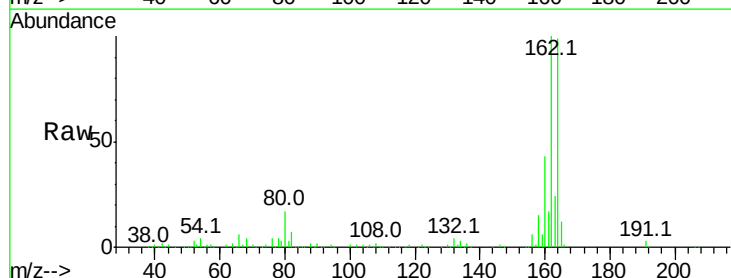
Instrument :  
BNA\_G  
ClientSampleId :  
120517-TIDO-F-U-B

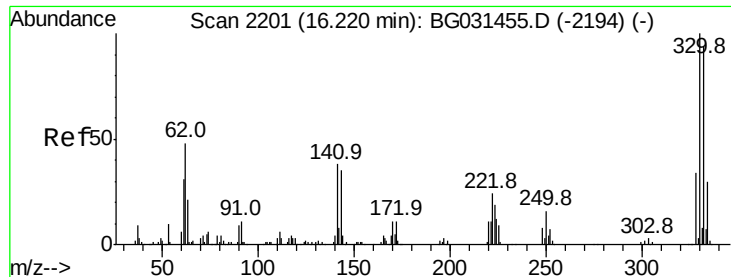
Tot Ion: 82 Resp: 395924  
Ion Ratio Lower Upper  
82 100  
128 46.3 29.7 44.5#  
54 47.3 43.1 64.7



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.73 min Scan# 1948  
Delta R.T. -0.00 min  
Lab File: BG031519.D  
Acq: 13 Dec 2017 8:41

Tgt Ion:164 Resp: 172139  
Ion Ratio Lower Upper  
164 100  
162 101.1 78.8 118.2  
160 43.7 35.4 53.0

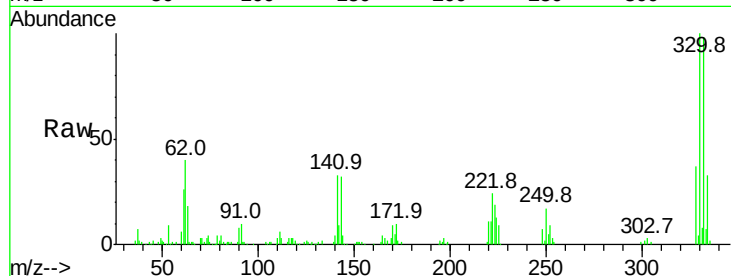




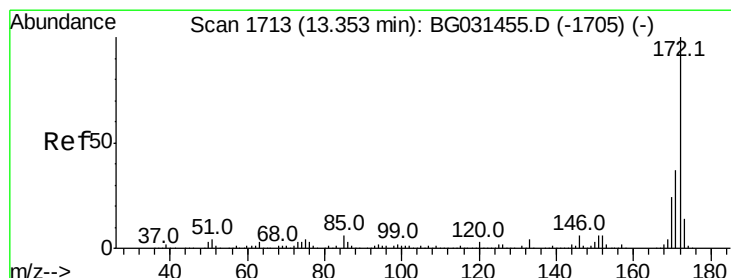
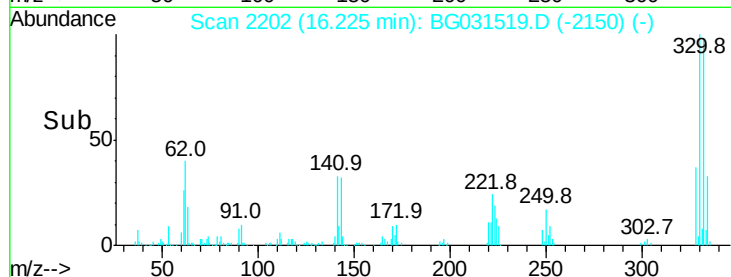
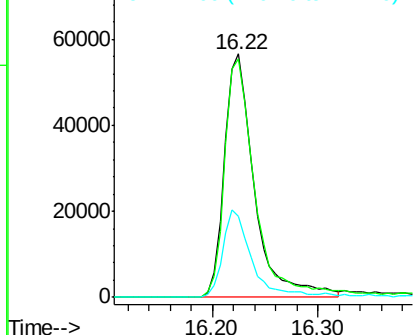
#41  
 2,4,6-Tribromophenol  
 Concen: 55.343 ng  
 RT: 16.22 min Scan# 2202  
 Delta R.T. 0.00 min  
 Lab File: BG031519.D  
 Acq: 13 Dec 2017 8:41

Instrument :  
 BNA\_G  
 ClientSampleId :  
 120517-TIDO-F-U-B

Tot Ion:330 Resp: 111610  
 Ion Ratio Lower Upper  
 330 100  
 332 101.5 77.0 115.6  
 141 34.2 25.2 37.8

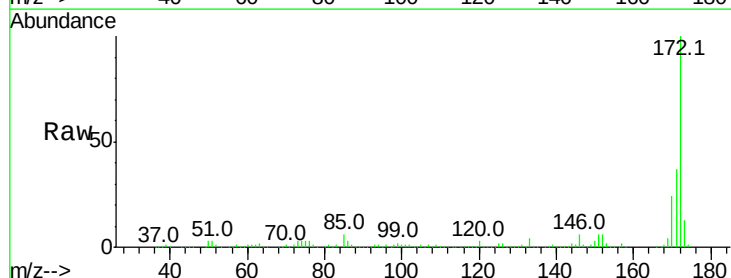


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

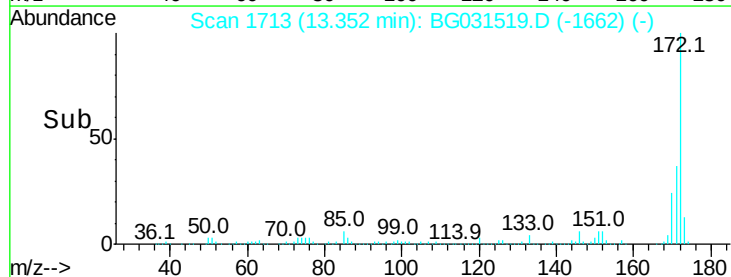
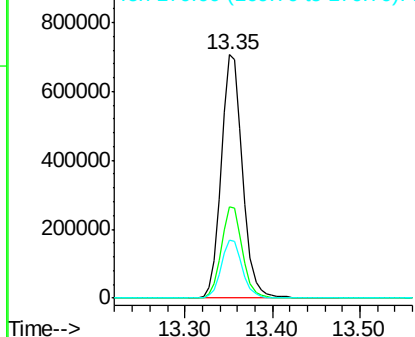


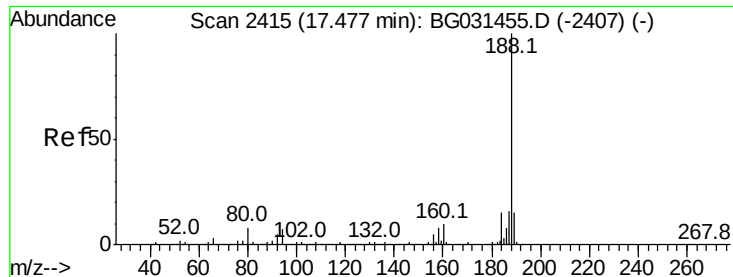
#44  
 2-Fluorobiphenyl  
 Concen: 101.479 ng  
 RT: 13.35 min Scan# 1713  
 Delta R.T. -0.00 min  
 Lab File: BG031519.D  
 Acq: 13 Dec 2017 8:41

Tgt Ion:172 Resp: 1190063  
 Ion Ratio Lower Upper  
 172 100  
 171 37.4 30.0 45.0  
 170 24.1 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

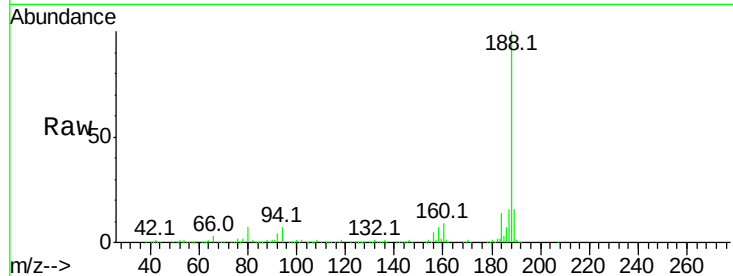




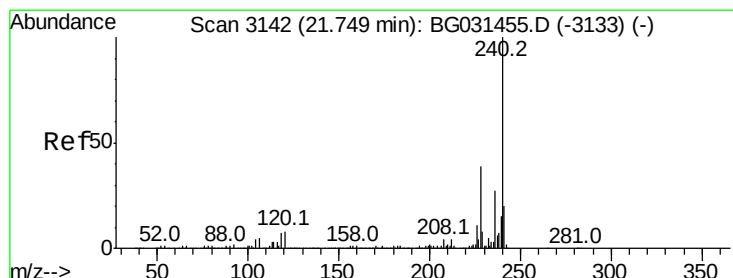
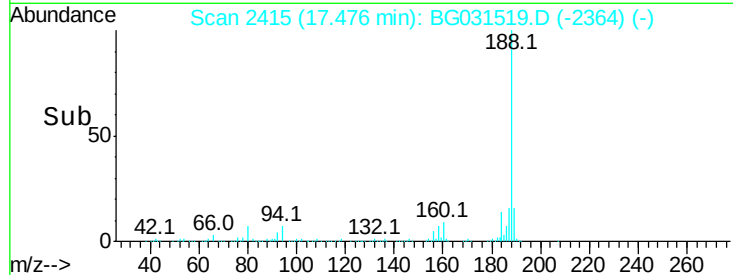
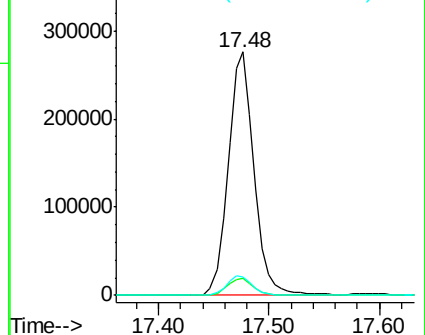
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.48 min Scan# 2415  
Delta R.T. -0.00 min  
Lab File: BG031519.D  
Acq: 13 Dec 2017 8:41

Instrument :  
BNA\_G  
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120517-TIDO-F-U-B

Tot Ion:188 Resp: 448966  
Ion Ratio Lower Upper  
188 100  
94 6.8 6.9 10.3#  
80 7.4 7.7 11.5#

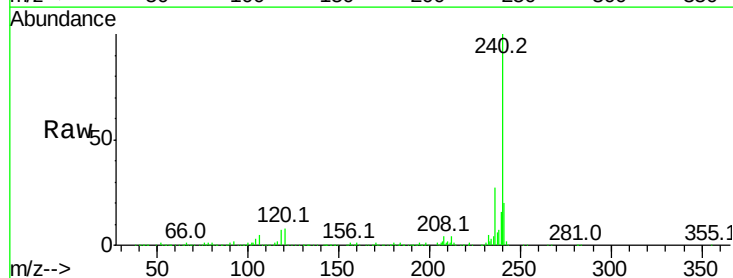


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

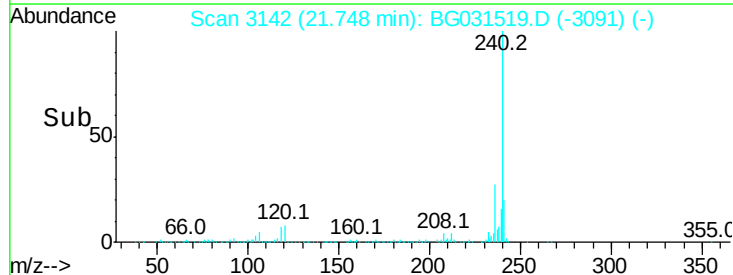
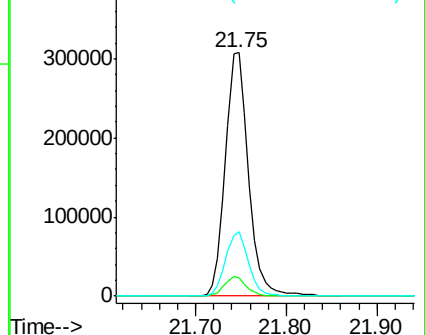


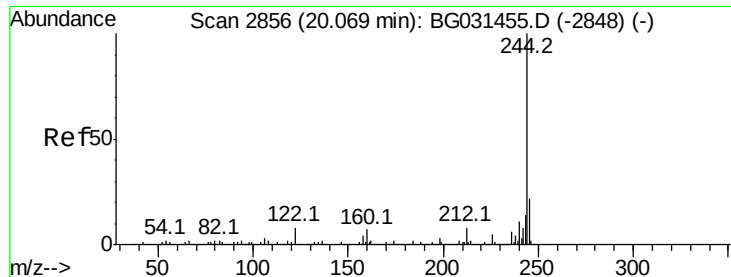
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.75 min Scan# 3142  
Delta R.T. -0.00 min  
Lab File: BG031519.D  
Acq: 13 Dec 2017 8:41

Tgt Ion:240 Resp: 546034  
Ion Ratio Lower Upper  
240 100  
120 7.5 6.8 10.2  
236 26.6 20.9 31.3



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: 85.048 ng

RT: 20.07 min Scan# 2856

Delta R.T. -0.00 min

Lab File: BG031519.D

Acq: 13 Dec 2017 8:41

Instrument :

BNA\_G

ClientSampleId :

120517-TIDO-F-U-B

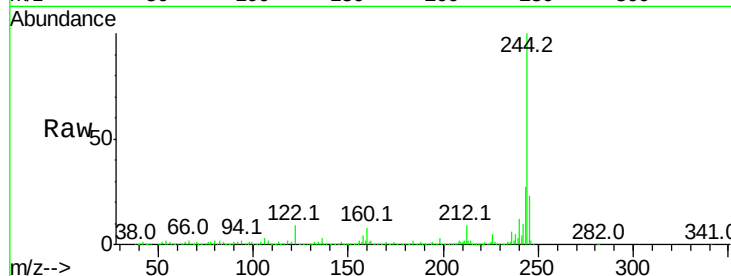
Tot Ion:244 Resp: 2041125

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

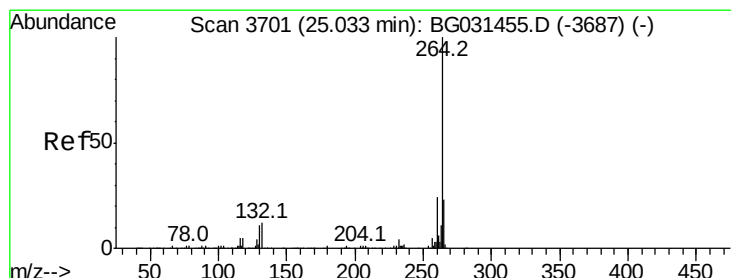
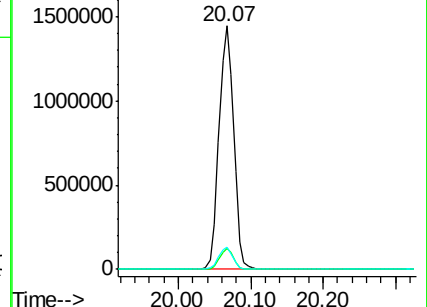
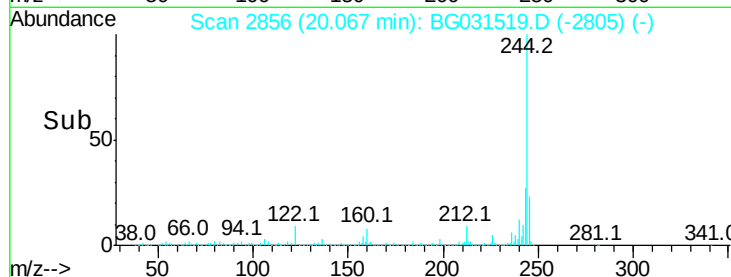
122 9.0 7.0 10.4



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: 25.03 min Scan# 3701

Delta R.T. -0.00 min

Lab File: BG031519.D

Acq: 13 Dec 2017 8:41

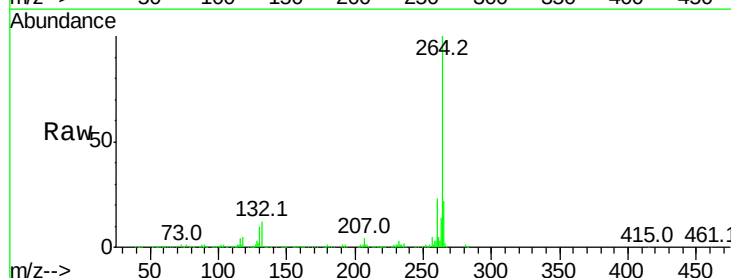
Tgt Ion:264 Resp: 528906

Ion Ratio Lower Upper

264 100

260 23.4 17.4 26.0

265 21.7 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

