

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042618\  
 Data File : BG034020.D  
 Acq On : 26 Apr 2018 20:46  
 Operator : SJ/JU  
 Sample : J2531-04  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 042318-DBRI-E-U-S

Quant Time: Apr 27 04:48:05 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 19 13:56:22 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.82  | 152  | 63716    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.60 | 136  | 287425   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10        | 14.44 | 164  | 212479   | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10        | 17.20 | 188  | 580986   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12            | 21.45 | 240  | 637384   | 20.00  | ng    | -0.04    |
| 86) Perylene-d12            | 24.50 | 264  | 641816   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.44  | 112  | 147321   | 36.91  | ng    | 0.00     |
| 7) Phenol-d6                | 7.01  | 99   | 105784   | 18.17  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.97  | 82   | 456422   | 90.37  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 15.94 | 330  | 280706   | 113.24 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 13.07 | 172  | 1449673  | 100.23 | ng    | -0.03    |
| 78) Terphenyl-d14           | 19.83 | 244  | 2555864  | 90.09  | ng    | -0.03    |

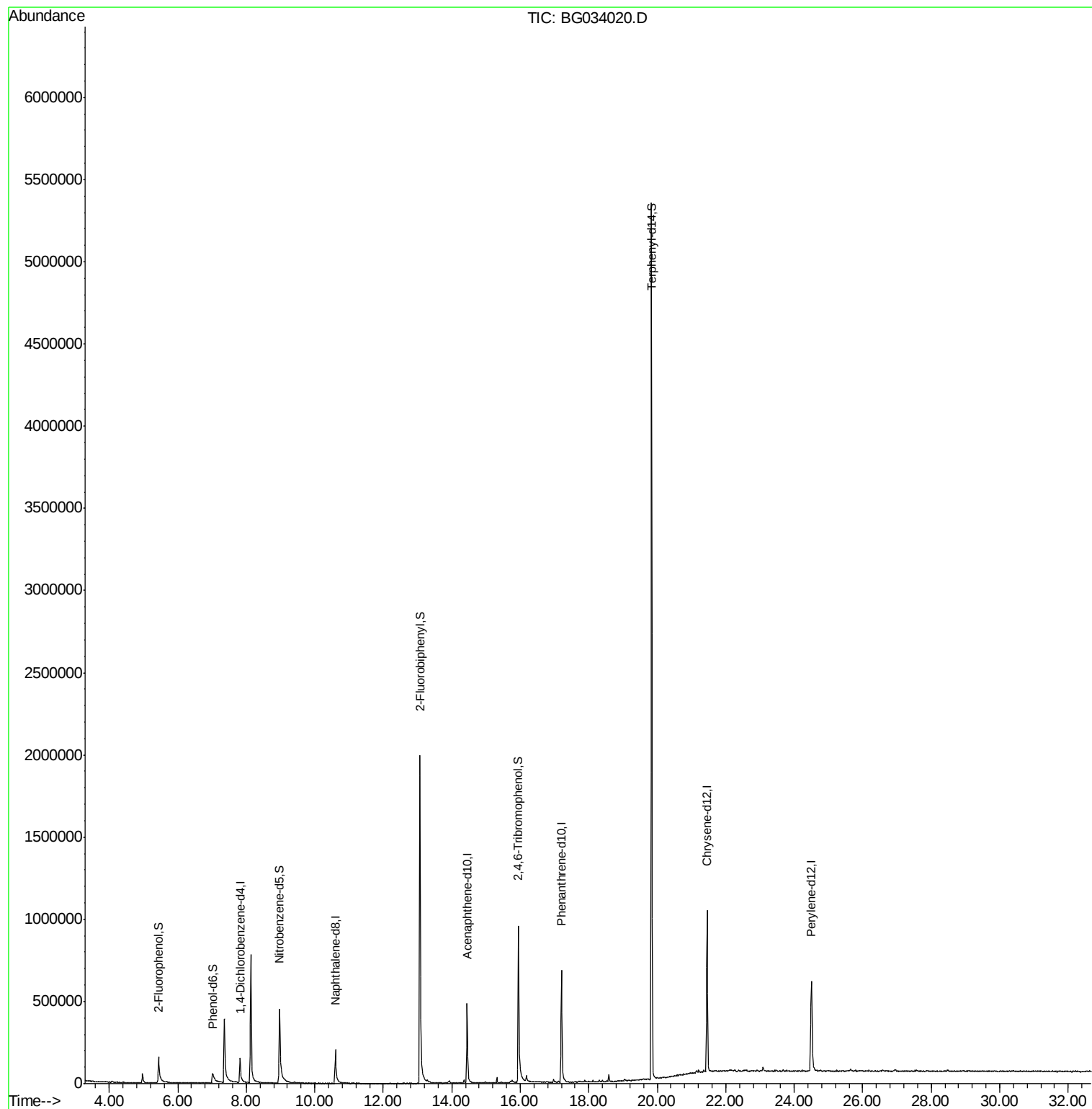
Target Compounds Qvalue

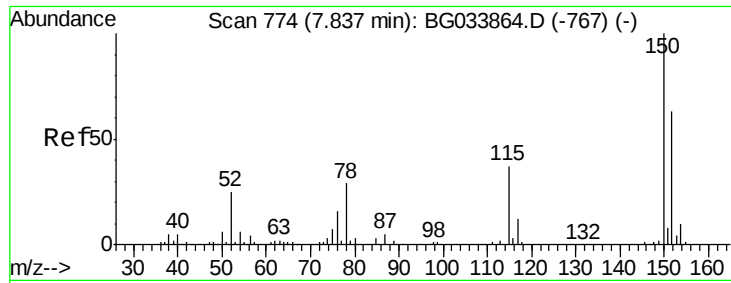
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 19 13:56:22 2018  
Response via : Initial Calibration



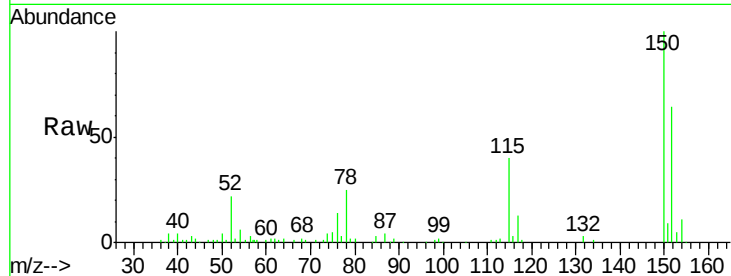


#1

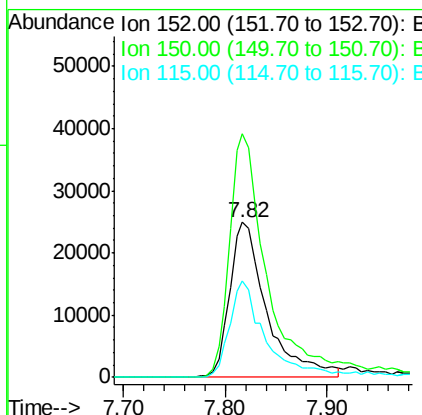
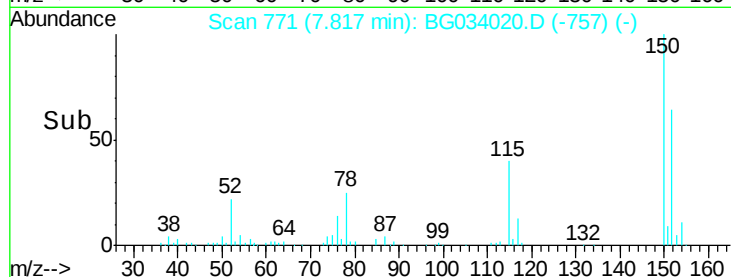
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.82 min Scan# 771  
Delta R.T. -0.02 min  
Lab File: BG034020.D  
Acq: 26 Apr 2018 20:46

Instrument :  
BNA\_G  
ClientSampleId :  
042318-DBRI-E-U-S

Tot Ion:152 Resp: 63716  
Ion Ratio Lower Upper  
152 100  
150 157.1 126.6 189.8  
115 62.1 53.0 79.4



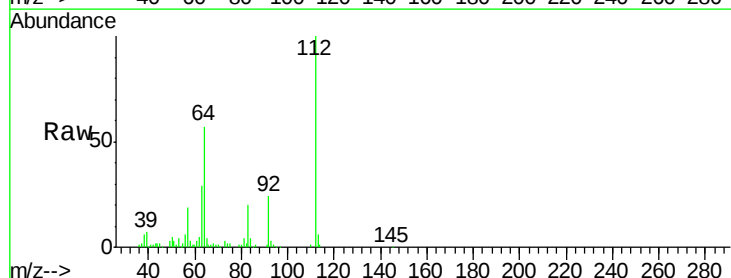
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



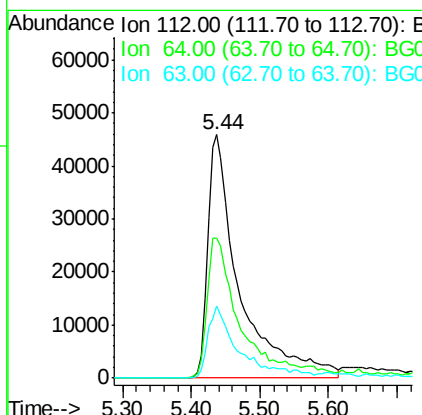
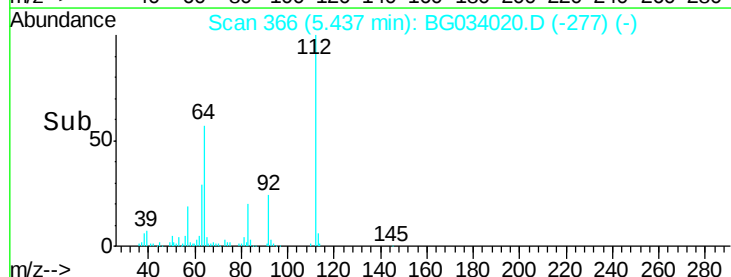
#5

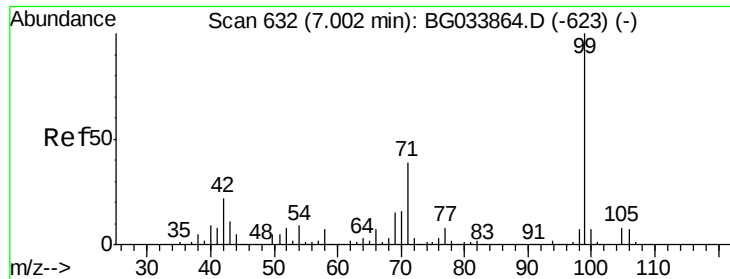
2-Fluorophenol  
Concen: 36.914 ng  
RT: 5.44 min Scan# 366  
Delta R.T. -0.01 min  
Lab File: BG034020.D  
Acq: 26 Apr 2018 20:46

Tgt Ion:112 Resp: 147321  
Ion Ratio Lower Upper  
112 100  
64 57.4 56.3 84.5  
63 29.4 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG  
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 18.173 ng

RT: 7.01 min Scan# 634

Delta R.T. 0.01 min

Lab File: BG034020.D

Acq: 26 Apr 2018 20:46

Instrument :

BNA\_G

ClientSampleId :

042318-DBRI-E-U-S

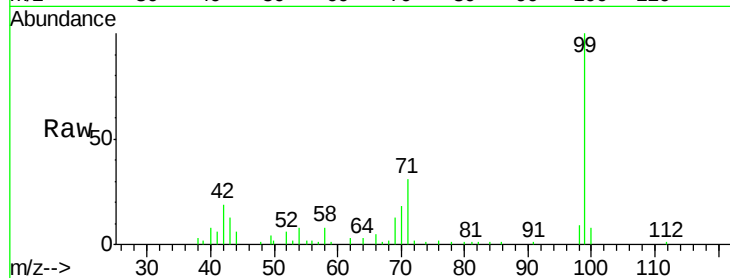
Tot Ion: 99 Resp: 105784

Ion Ratio Lower Upper

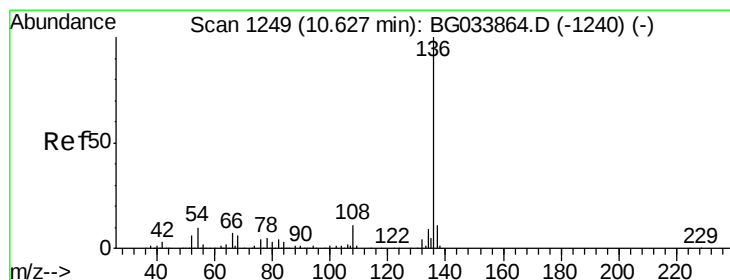
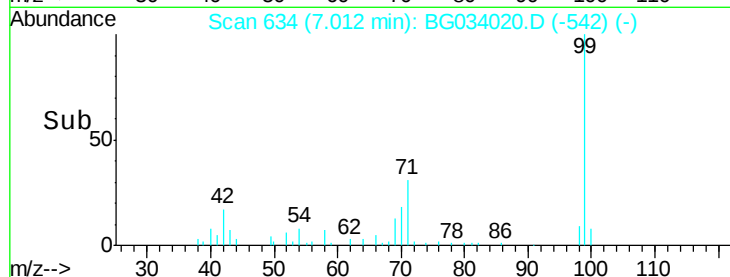
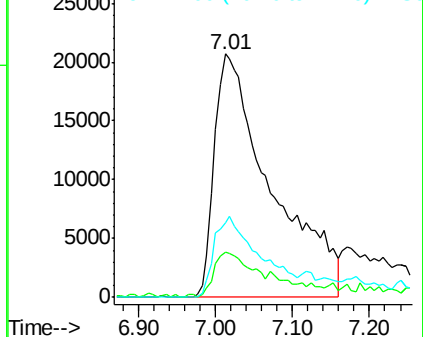
99 100

42 18.7 14.1 21.1

71 30.8 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: 10.60 min Scan# 1245

Delta R.T. -0.03 min

Lab File: BG034020.D

Acq: 26 Apr 2018 20:46

Tgt Ion: 136 Resp: 287425

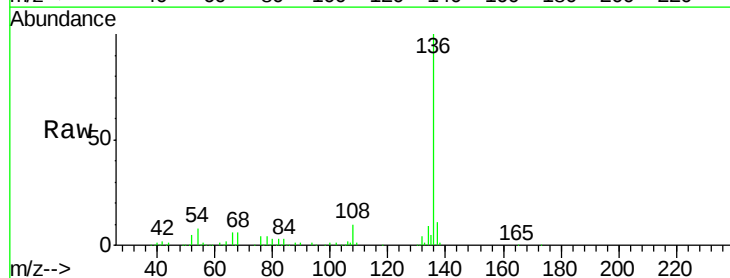
Ion Ratio Lower Upper

136 100

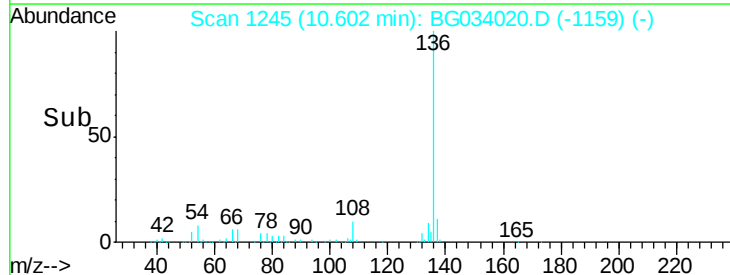
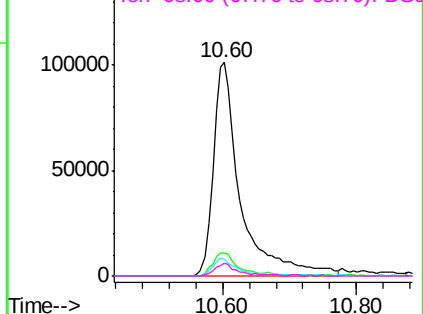
137 10.7 9.2 13.8

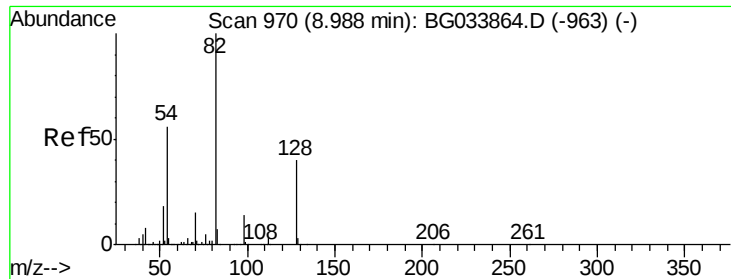
54 7.9 10.3 15.5#

68 5.8 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

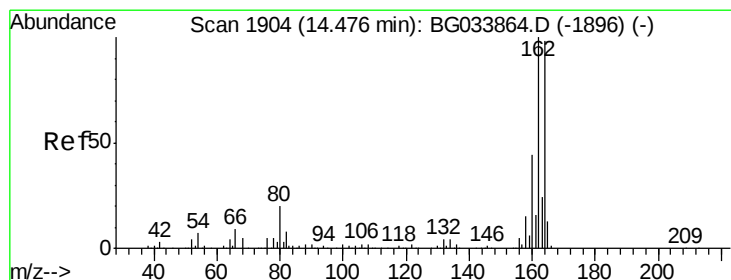
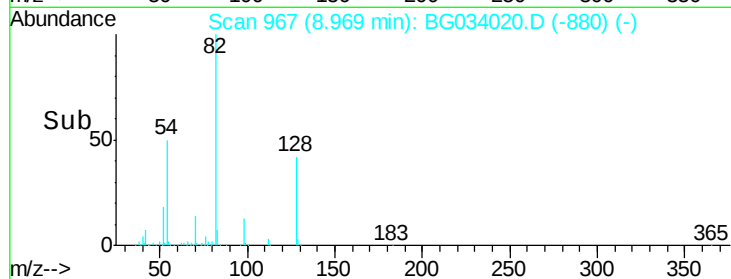
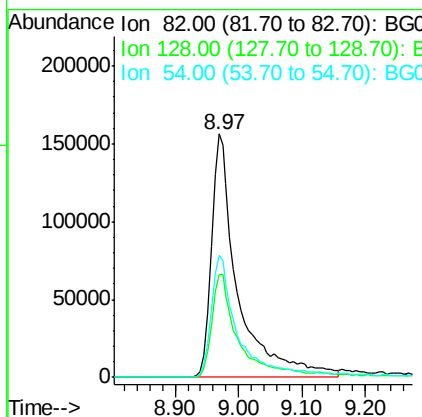
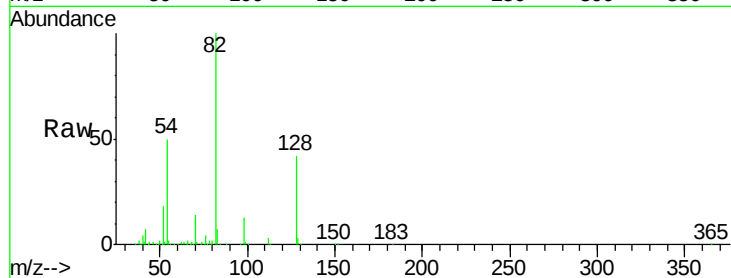




#23  
 Nitrobenzene-d5  
 Concen: 90.371 ng  
 RT: 8.97 min Scan# 967  
 Delta R.T. -0.02 min  
 Lab File: BG034020.D  
 Acq: 26 Apr 2018 20:46

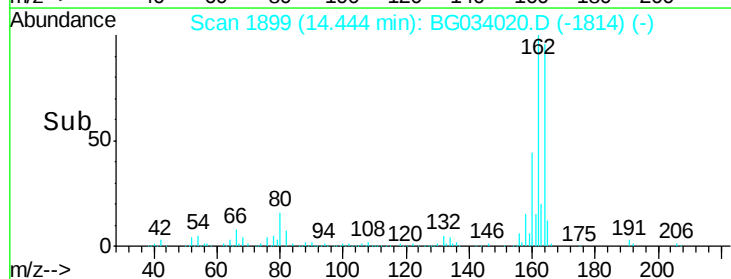
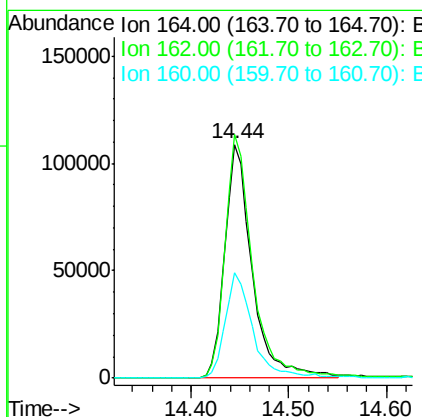
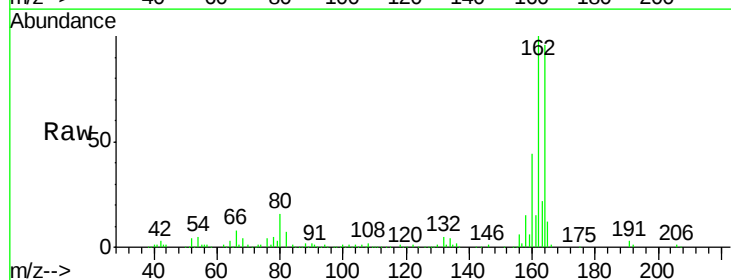
Instrument :  
 BNA\_G  
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 042318-DBRI-E-U-S

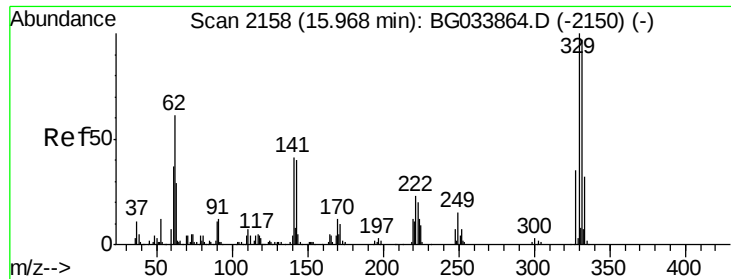
| Tot Ion   | 82    | Resp  | 456422 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.2  | 29.7  | 44.5   |
| 54        | 50.3  | 43.1  | 64.7   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.44 min Scan# 1899  
 Delta R.T. -0.03 min  
 Lab File: BG034020.D  
 Acq: 26 Apr 2018 20:46

| Tgt Ion   | 164   | Resp  | 212479 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 104.2 | 78.8  | 118.2  |
| 160       | 45.4  | 35.4  | 53.0   |

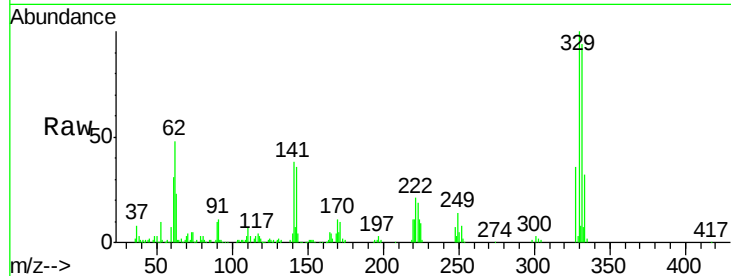




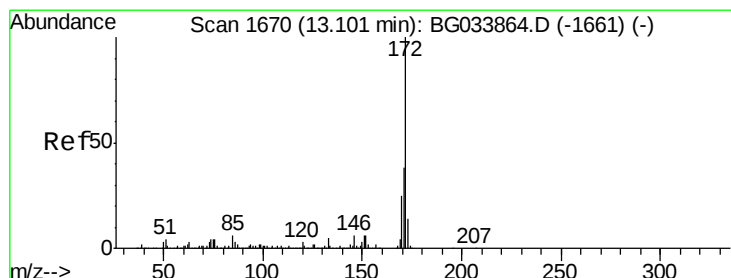
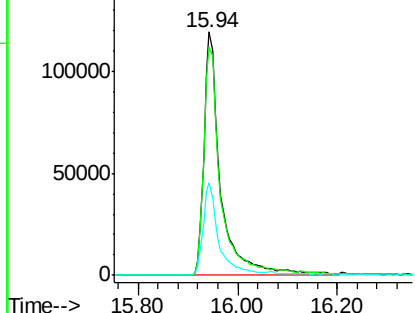
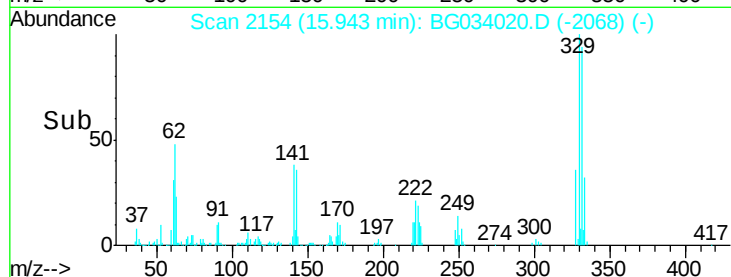
#41  
 2,4,6-Tribromophenol  
 Concen: 113.238 ng  
 RT: 15.94 min Scan# 2154  
 Delta R.T. -0.03 min  
 Lab File: BG034020.D  
 Acq: 26 Apr 2018 20:46

Instrument :  
 BNA\_G  
 ClientSampleId :  
 042318-DBRI-E-U-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.2  | 77.0  | 115.6 |
| 141     | 35.3  | 25.2  | 37.8  |

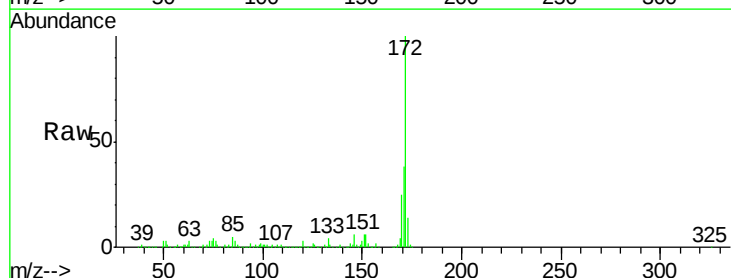


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

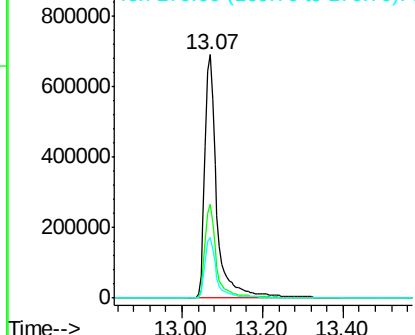
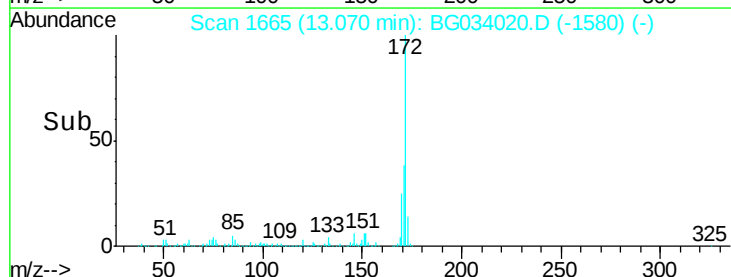


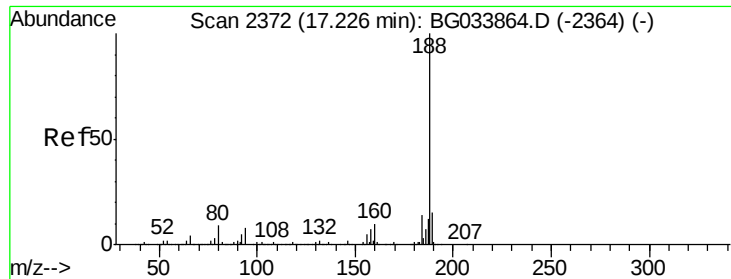
#44  
 2-Fluorobiphenyl  
 Concen: 100.227 ng  
 RT: 13.07 min Scan# 1665  
 Delta R.T. -0.03 min  
 Lab File: BG034020.D  
 Acq: 26 Apr 2018 20:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.4  | 30.0  | 45.0  |
| 170     | 25.1  | 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: 17.20 min Scan# 2368

Delta R.T. -0.03 min

Lab File: BG034020.D

Acq: 26 Apr 2018 20:46

Instrument :

BNA\_G

ClientSampleId :

042318-DBRI-E-U-S

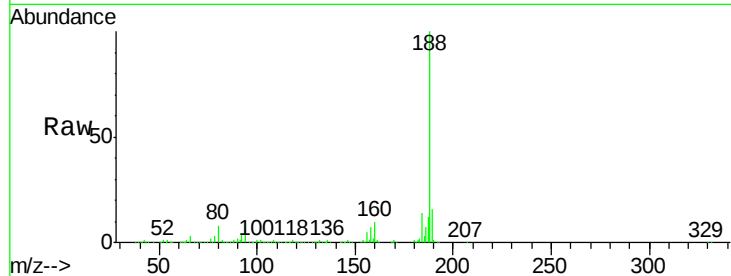
Tot Ion:188 Resp: 580986

Ion Ratio Lower Upper

188 100

94 7.4 6.9 10.3

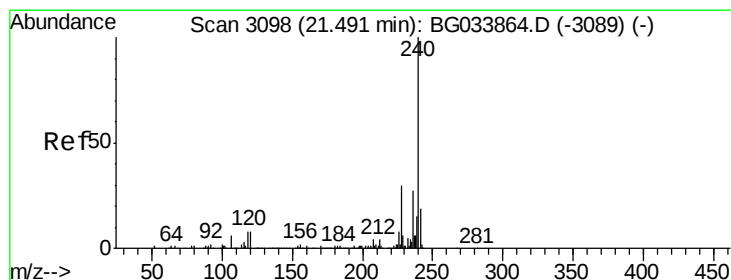
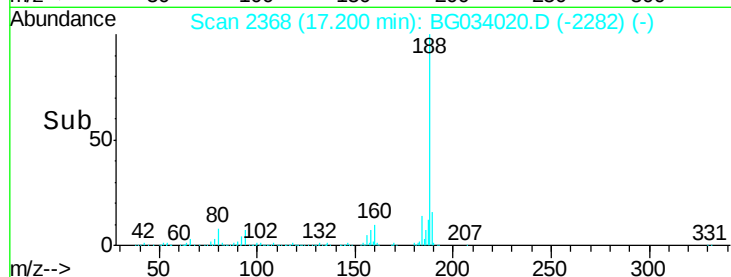
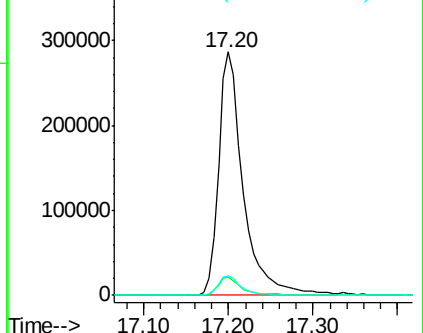
80 8.3 7.7 11.5



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: 21.45 min Scan# 3092

Delta R.T. -0.04 min

Lab File: BG034020.D

Acq: 26 Apr 2018 20:46

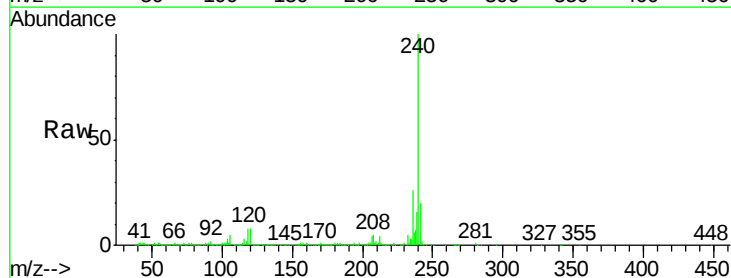
Tgt Ion:240 Resp: 637384

Ion Ratio Lower Upper

240 100

120 7.7 6.8 10.2

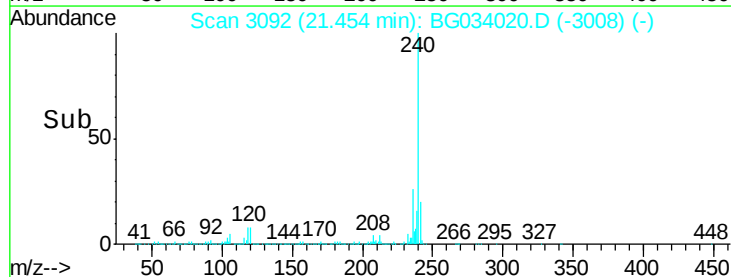
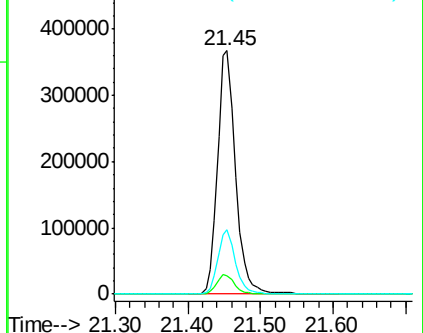
236 26.2 20.9 31.3

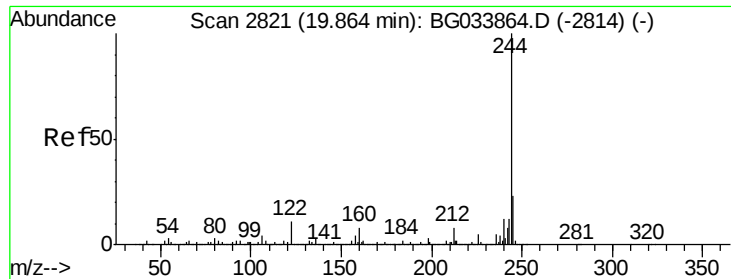


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 90.088 ng

RT: 19.83 min Scan# 2816

Delta R.T. -0.03 min

Lab File: BG034020.D

Acq: 26 Apr 2018 20:46

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BNA\_G

ClientSampleId :

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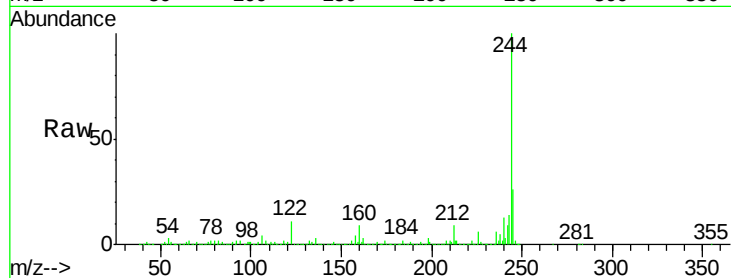
Tot Ion:244 Resp: 2555864

Ion Ratio Lower Upper

244 100

212 9.4 5.8 8.8#

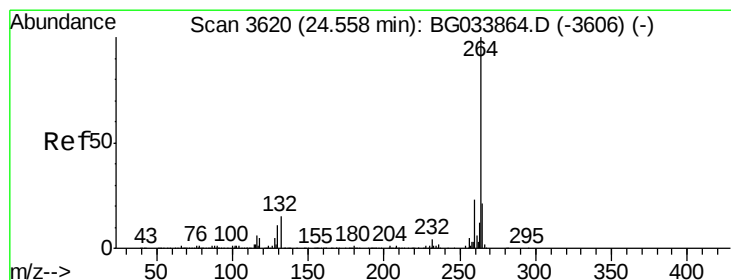
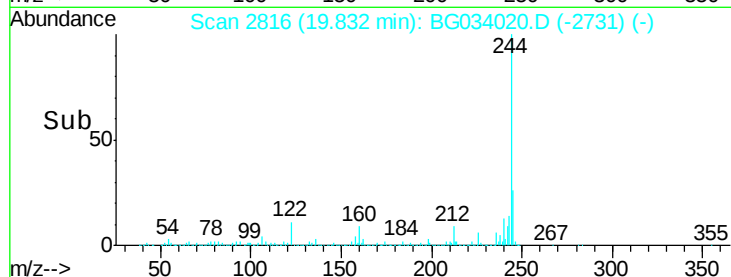
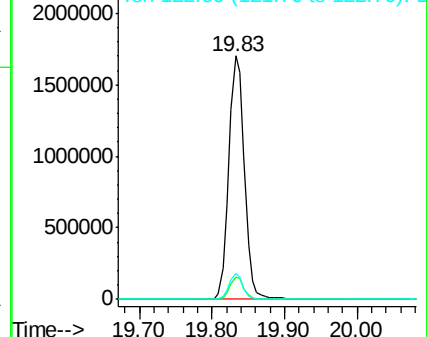
122 10.9 7.0 10.4#



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: 24.50 min Scan# 3611

Delta R.T. -0.05 min

Lab File: BG034020.D

Acq: 26 Apr 2018 20:46

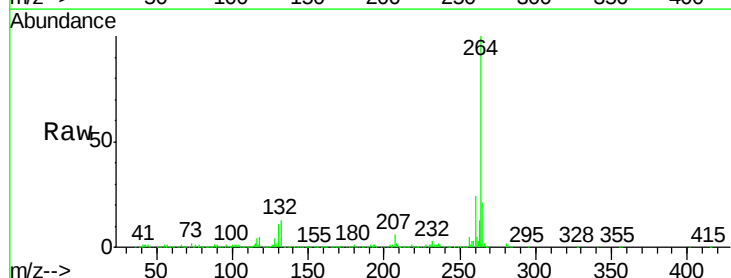
Tgt Ion:264 Resp: 641816

Ion Ratio Lower Upper

264 100

260 23.5 17.4 26.0

265 21.2 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

