

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062818\  
 Data File : BG035489.D  
 Acq On : 28 Jun 2018 22:13  
 Operator : JU/SJ  
 Sample : J3720-06  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-2

Quant Time: Jun 29 04:18:26 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 08 17:16:28 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.05  | 152  | 30903    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.85 | 136  | 114770   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10        | 14.67 | 164  | 81714    | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.41 | 188  | 208633   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.68 | 240  | 239503   | 20.00  | ng    | -0.04    |
| 86) Perylene-d12            | 24.89 | 264  | 227224   | 20.00  | ng    | -0.06    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.63  | 112  | 115516   | 63.08  | ng    | -0.01    |
| 7) Phenol-d6                | 7.21  | 99   | 105595   | 39.07  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.21  | 82   | 265415   | 109.93 | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 16.16 | 330  | 143062   | 136.76 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.30 | 172  | 581292   | 92.48  | ng    | -0.03    |
| 78) Terphenyl-d14           | 20.02 | 244  | 1104361  | 96.59  | ng    | -0.02    |

Target Compounds Qvalue

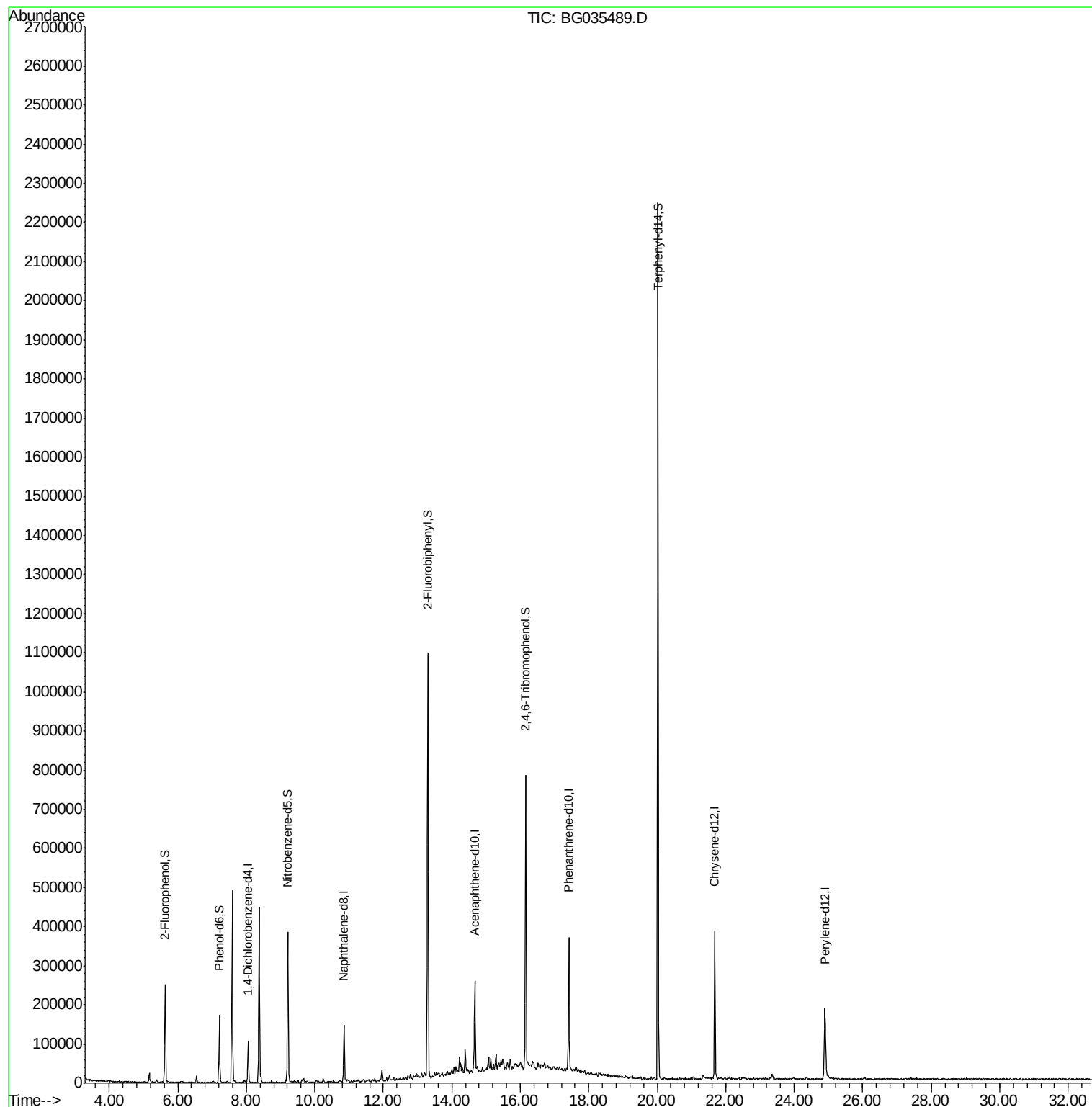
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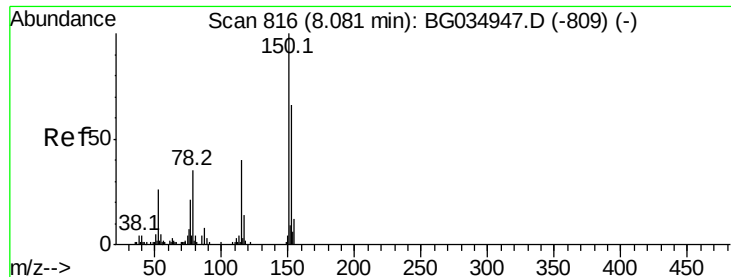
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 08 17:16:28 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 811

Delta R.T. -0.02 min

Lab File: BG035489.D

Acq: 28 Jun 2018 22:13

Instrument :

BNA\_G

ClientSampleId :

MW-2

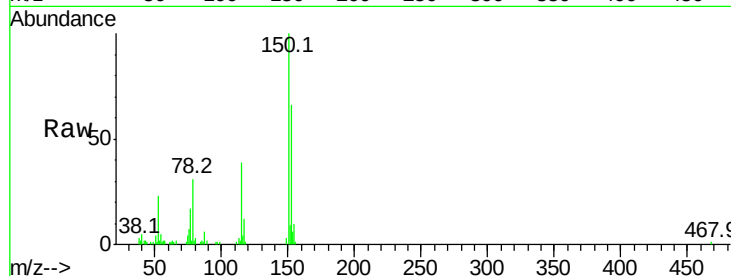
Tot Ion:152 Resp: 30903

Ion Ratio Lower Upper

152 100

150 151.9 126.6 189.8

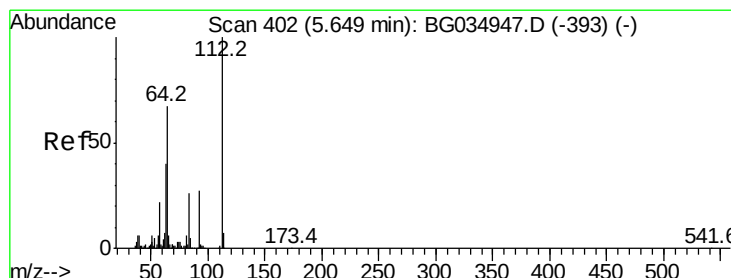
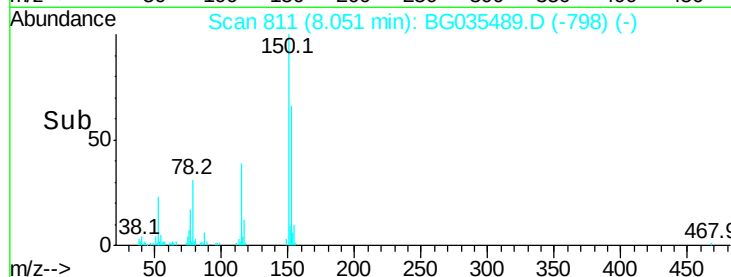
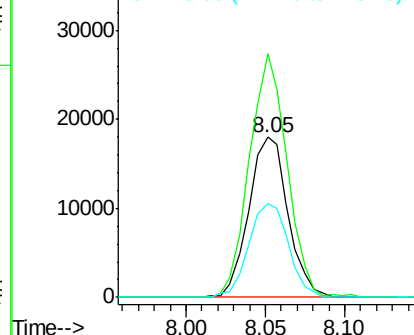
115 58.7 53.0 79.4



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: 63.083 ng

RT: 5.63 min Scan# 399

Delta R.T. -0.01 min

Lab File: BG035489.D

Acq: 28 Jun 2018 22:13

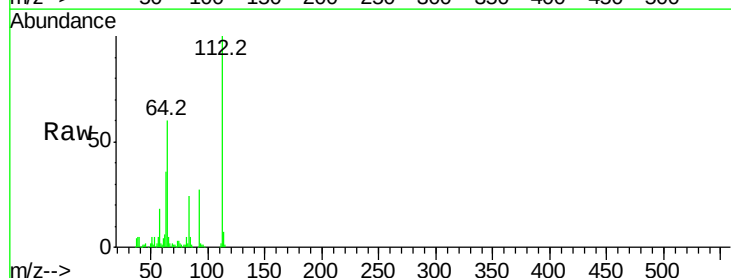
Tgt Ion:112 Resp: 115516

Ion Ratio Lower Upper

112 100

64 60.0 56.3 84.5

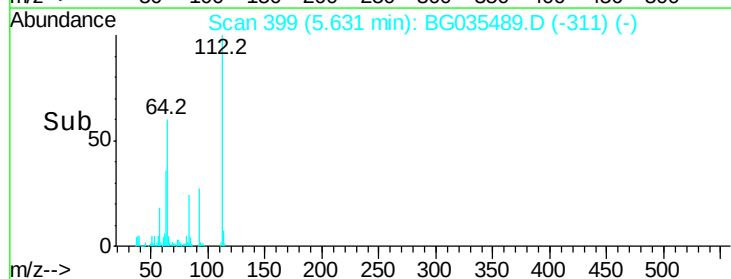
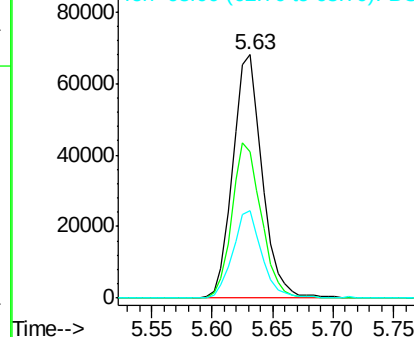
63 35.8 30.1 45.1

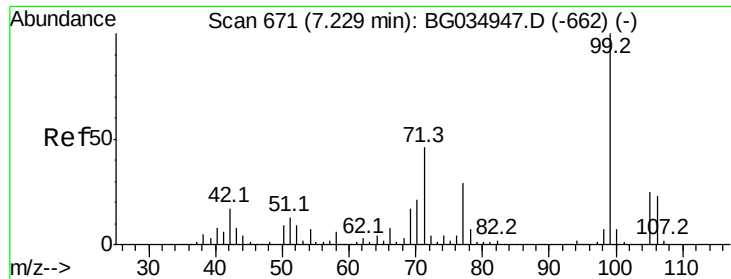


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 39.070 ng

RT: 7.21 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035489.D

Acq: 28 Jun 2018 22:13

Instrument :

BNA\_G

ClientSampleId :

MW-2

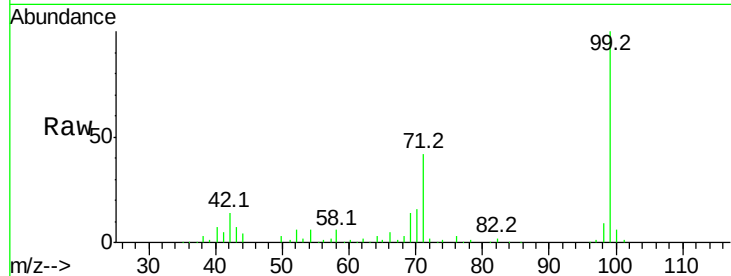
Tot Ion: 99 Resp: 105595

Ion Ratio Lower Upper

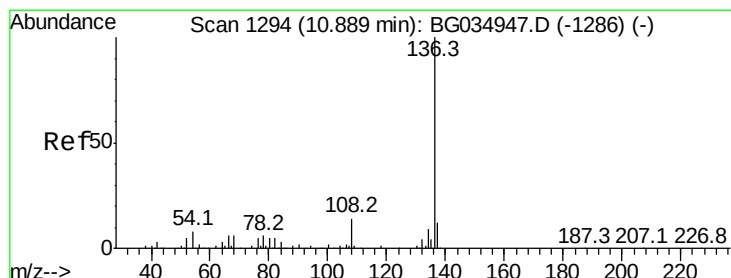
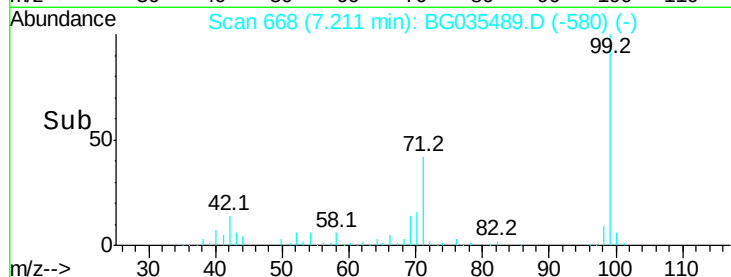
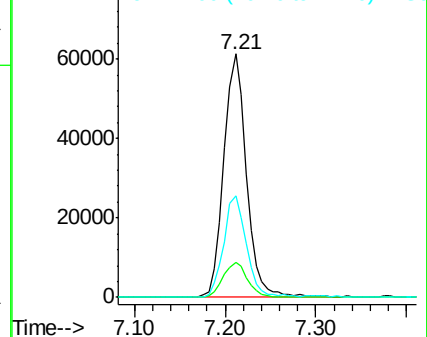
99 100

42 14.2 14.1 21.1

71 41.6 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: 10.85 min Scan# 1288

Delta R.T. -0.03 min

Lab File: BG035489.D

Acq: 28 Jun 2018 22:13

Tgt Ion: 136 Resp: 114770

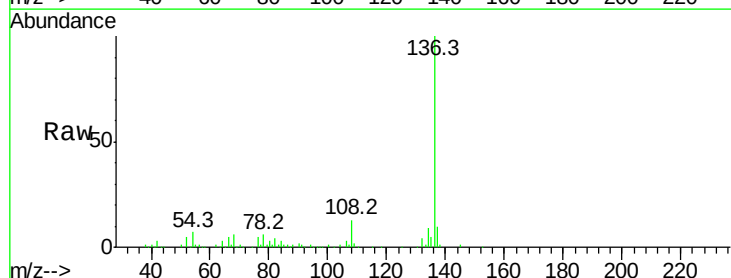
Ion Ratio Lower Upper

136 100

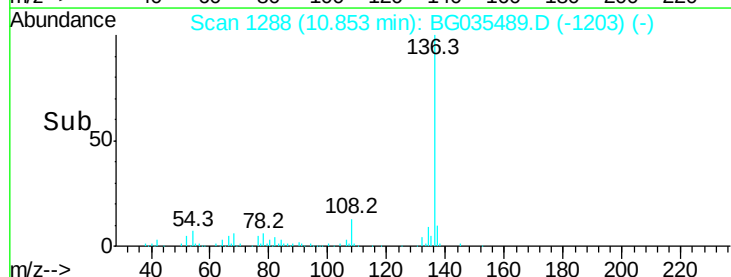
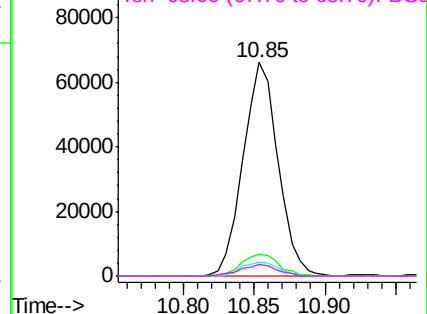
137 10.1 9.2 13.8

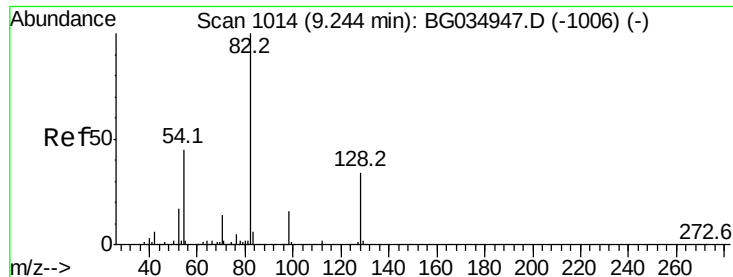
54 6.6 10.3 15.5#

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

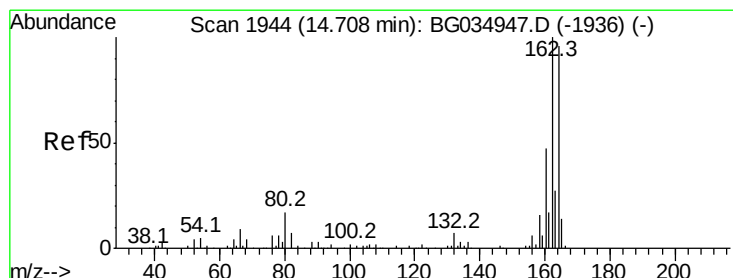
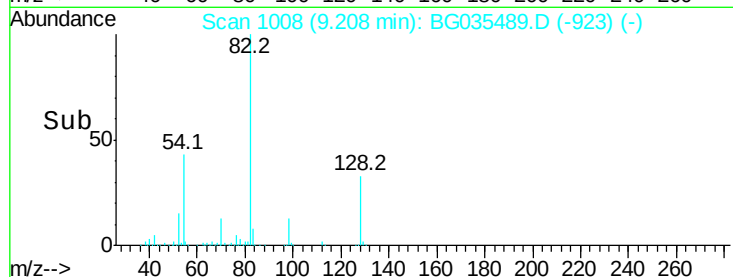
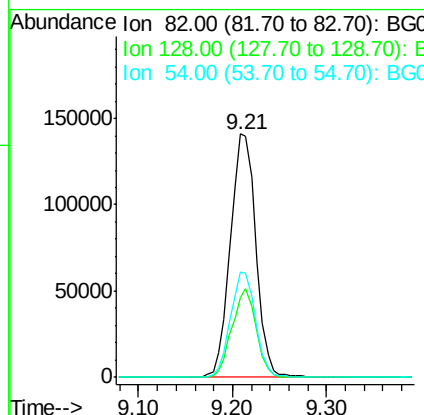
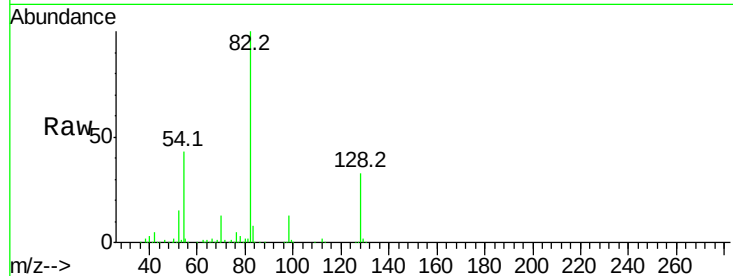




#23  
 Nitrobenzene-d5  
 Concen: 109.927 ng  
 RT: 9.21 min Scan# 1008  
 Delta R.T. -0.03 min  
 Lab File: BG035489.D  
 Acq: 28 Jun 2018 22:13

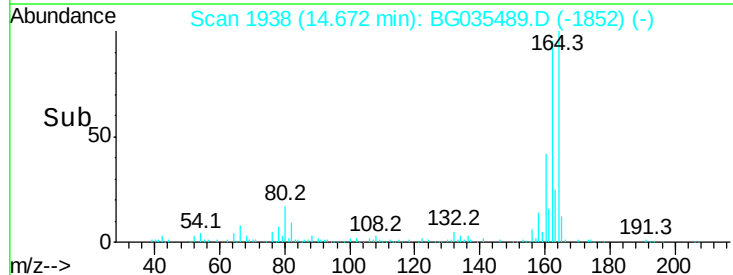
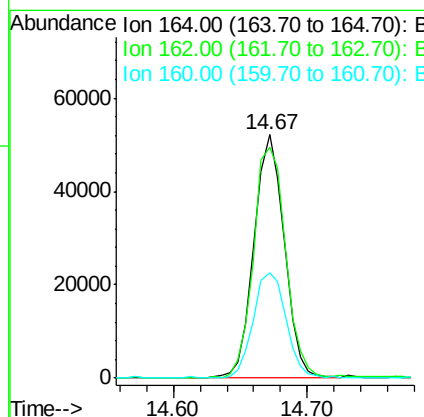
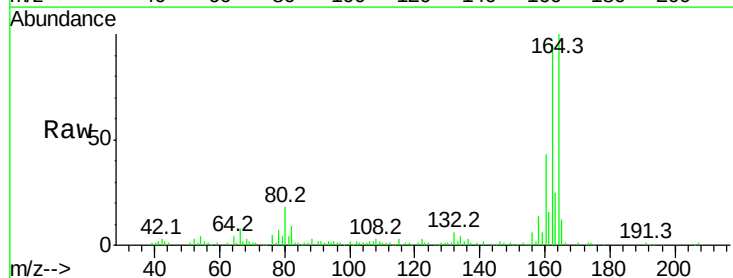
Instrument :  
 BNA\_G  
 ClientSampled :  
 MW-2

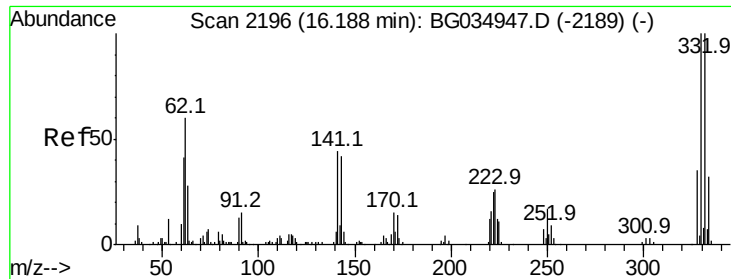
| Tot Ion   | 82    | Resp  | 265415 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 32.8  | 29.7  | 44.5   |
| 54        | 43.1  | 43.1  | 64.7#  |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.67 min Scan# 1938  
 Delta R.T. -0.02 min  
 Lab File: BG035489.D  
 Acq: 28 Jun 2018 22:13

| Tgt Ion   | 164   | Resp  | 81714 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 94.9  | 78.8  | 118.2 |
| 160       | 43.2  | 35.4  | 53.0  |

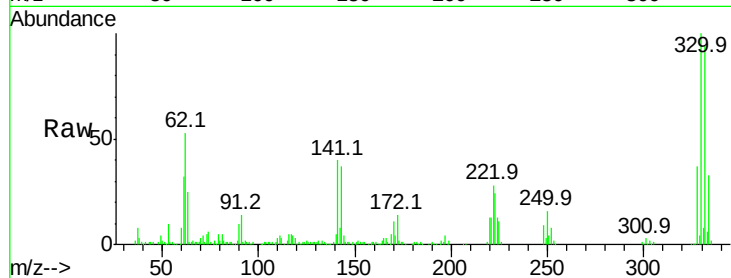




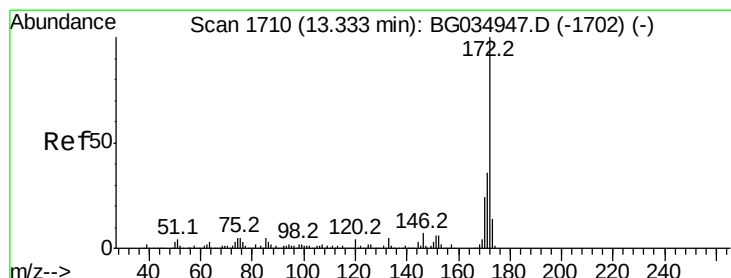
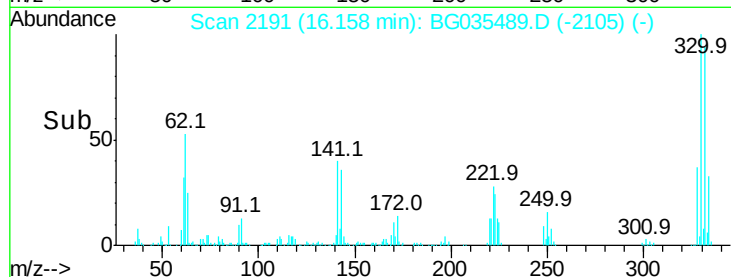
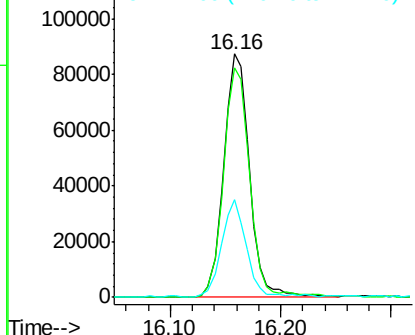
#41  
 2,4,6-Tribromophenol  
 Concen: 136.765 ng  
 RT: 16.16 min Scan# 2191  
 Delta R.T. -0.02 min  
 Lab File: BG035489.D  
 Acq: 28 Jun 2018 22:13

Instrument :  
 BNA\_G  
 ClientSampled :  
 MW-2

Tot Ion:330 Resp: 143062  
 Ion Ratio Lower Upper  
 330 100  
 332 96.6 77.0 115.6  
 141 37.5 25.2 37.8

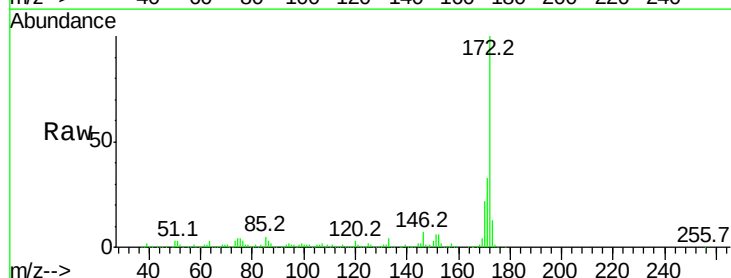


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

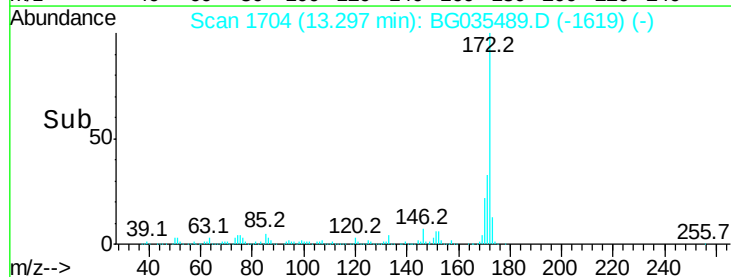
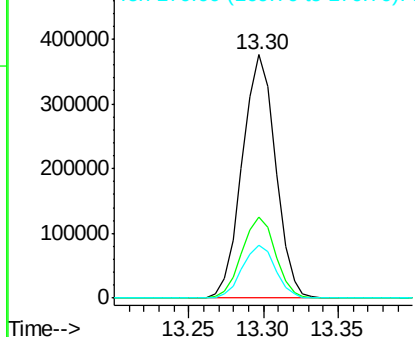


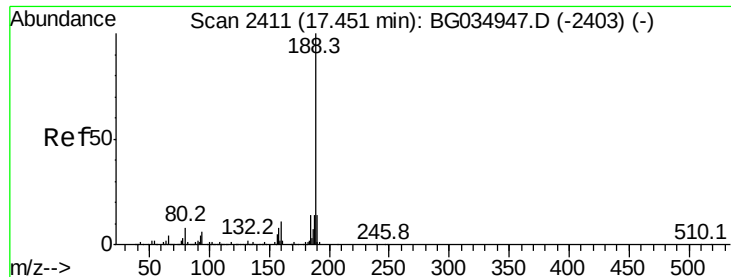
#44  
 2-Fluorobiphenyl  
 Concen: 92.478 ng  
 RT: 13.30 min Scan# 1704  
 Delta R.T. -0.03 min  
 Lab File: BG035489.D  
 Acq: 28 Jun 2018 22:13

Tgt Ion:172 Resp: 581292  
 Ion Ratio Lower Upper  
 172 100  
 171 33.2 30.0 45.0  
 170 21.7 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: 17.41 min Scan# 2405

Delta R.T. -0.02 min

Lab File: BG035489.D

Acq: 28 Jun 2018 22:13

Instrument :

BNA\_G

ClientSampleId :

MW-2

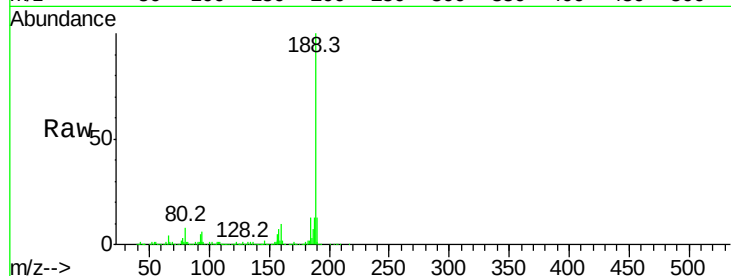
Tot Ion:188 Resp: 208633

Ion Ratio Lower Upper

188 100

94 6.5 6.9 10.3#

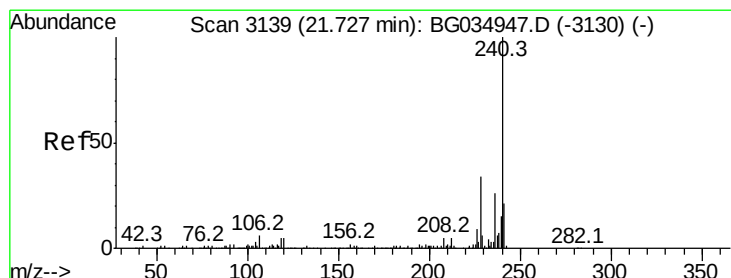
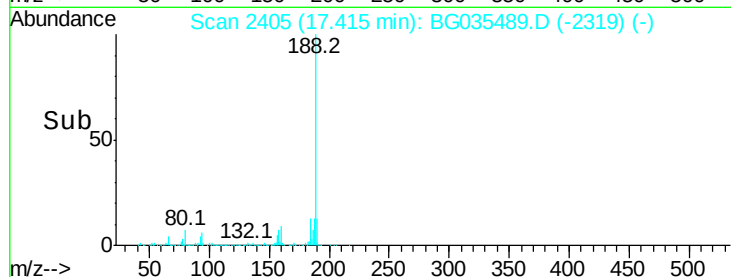
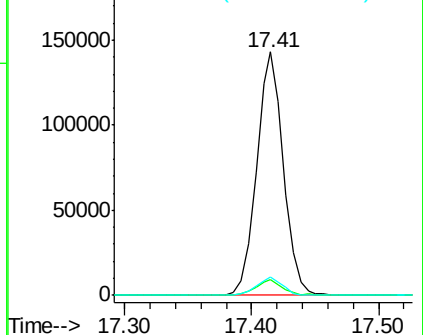
80 7.5 7.7 11.5#



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: 21.68 min Scan# 3131

Delta R.T. -0.04 min

Lab File: BG035489.D

Acq: 28 Jun 2018 22:13

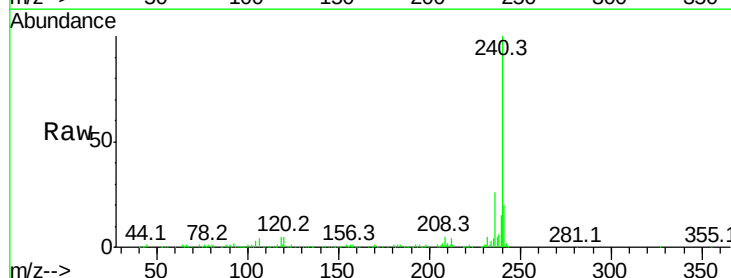
Tgt Ion:240 Resp: 239503

Ion Ratio Lower Upper

240 100

120 4.9 6.8 10.2#

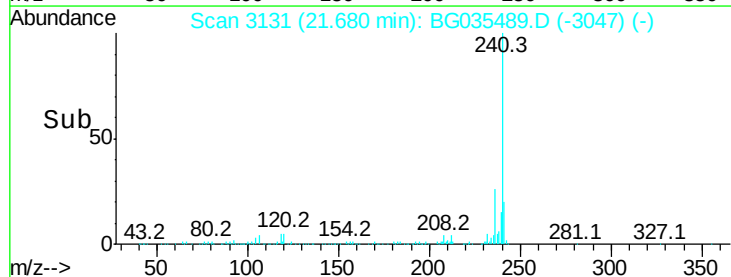
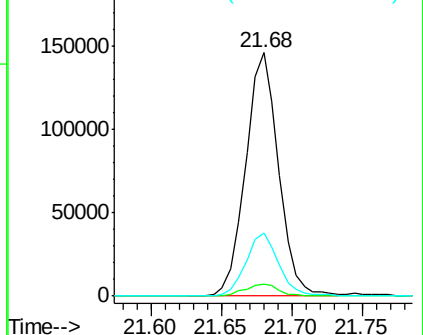
236 26.0 20.9 31.3

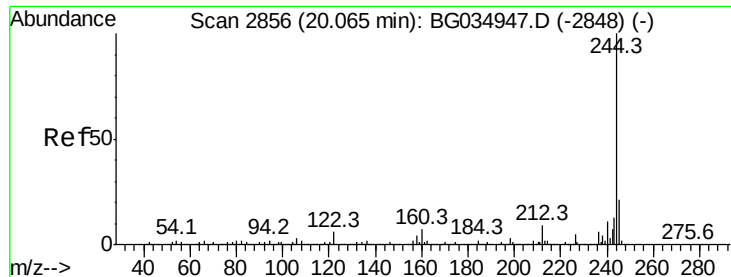


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 96.587 ng

RT: 20.02 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BG035489.D

Acq: 28 Jun 2018 22:13

Instrument :

BNA\_G

ClientSampleId :

MW-2

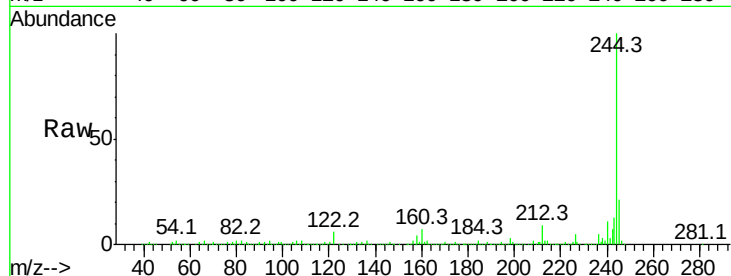
Tot Ion:244 Resp: 1104361

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

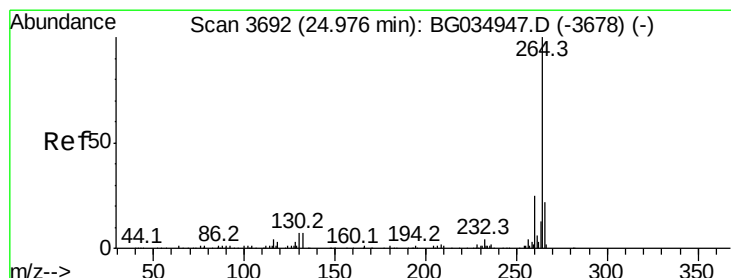
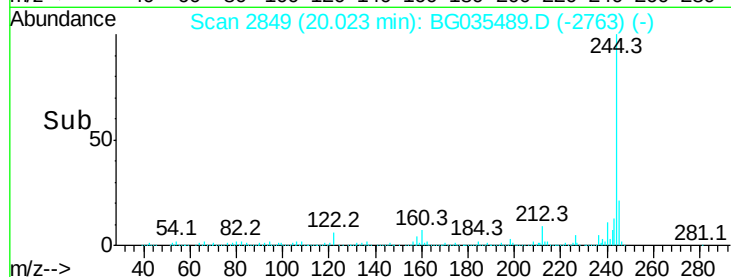
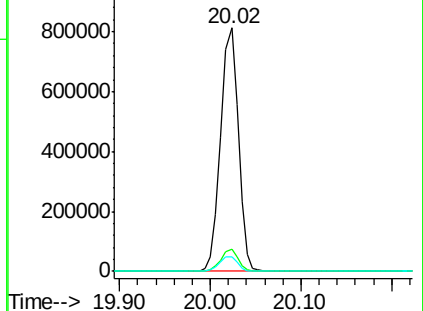
122 6.2 7.0 10.4#



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: 24.89 min Scan# 3678

Delta R.T. -0.06 min

Lab File: BG035489.D

Acq: 28 Jun 2018 22:13

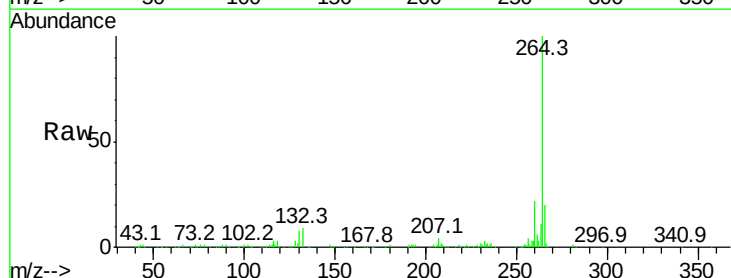
Tgt Ion:264 Resp: 227224

Ion Ratio Lower Upper

264 100

260 22.1 17.4 26.0

265 20.2 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

