

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG032218\  
 Data File : BG033313.D  
 Acq On : 23 Mar 2018 4:28  
 Operator : SJ/JU  
 Sample : J1997-16  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DGA-TOP-LAYER-1-B

Quant Time: Mar 23 05:34:44 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 22 17:32:09 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.89  | 152  | 35511    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.77 | 136  | 153853   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.51 | 164  | 121336   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 18.24 | 188  | 343380   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.59 | 240  | 333194   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 26.39 | 264  | 335814   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.31  | 112  | 320237   | 169.10 | ng    | 0.00     |
| 7) Phenol-d6                | 7.99  | 99   | 461503   | 141.83 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 10.09 | 82   | 351780   | 105.05 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.98 | 330  | 264795   | 145.91 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 14.13 | 172  | 858811   | 102.18 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.76 | 244  | 1713939  | 110.01 | ng    | 0.00     |

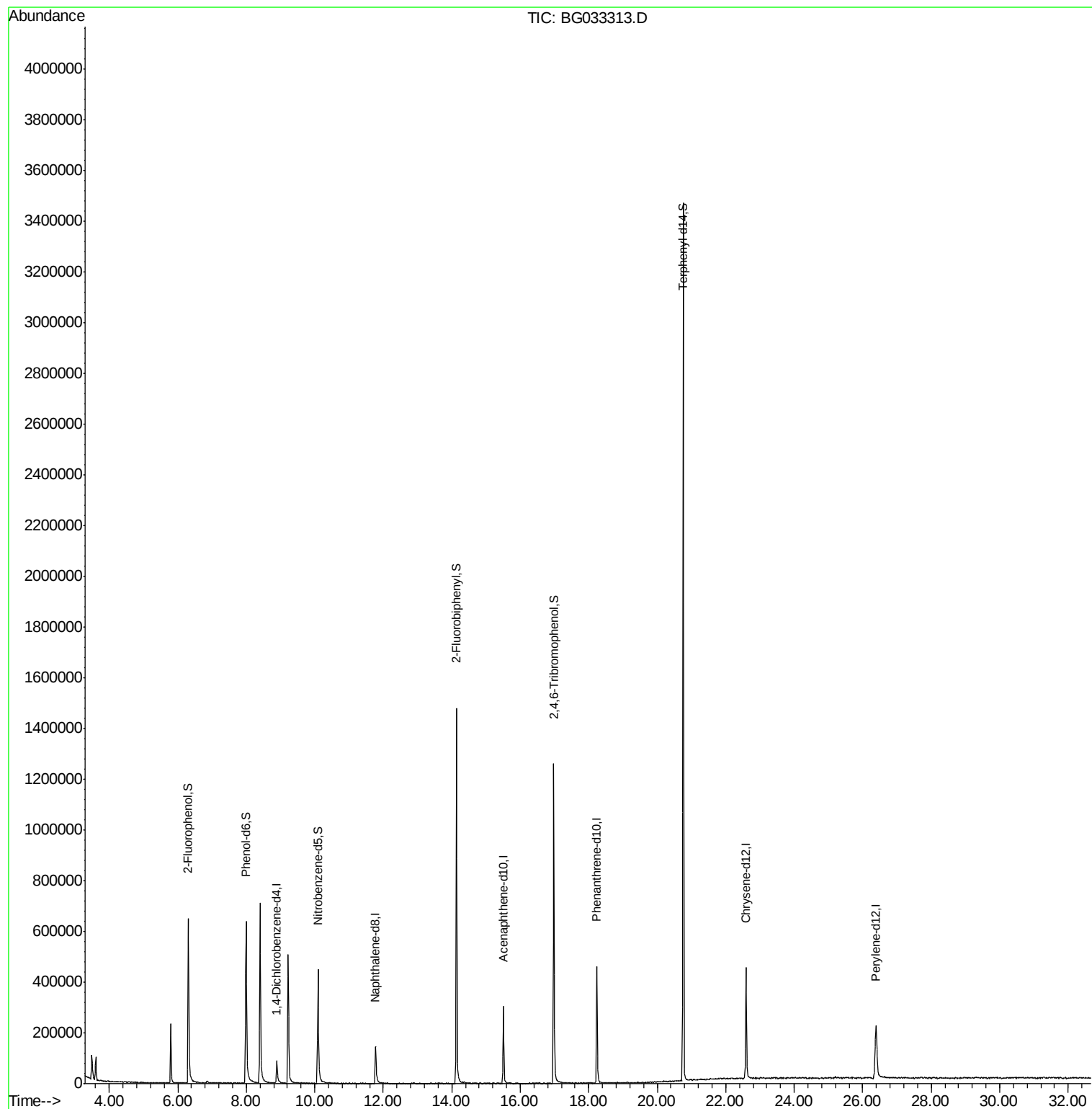
Target Compounds Qvalue

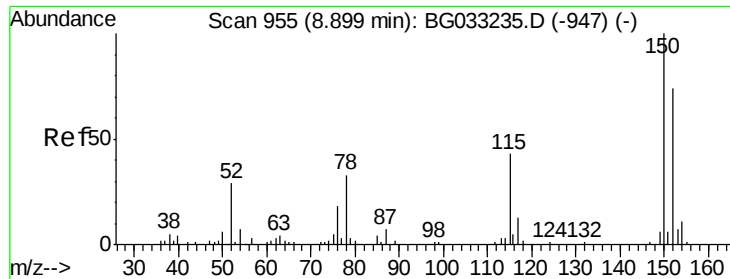
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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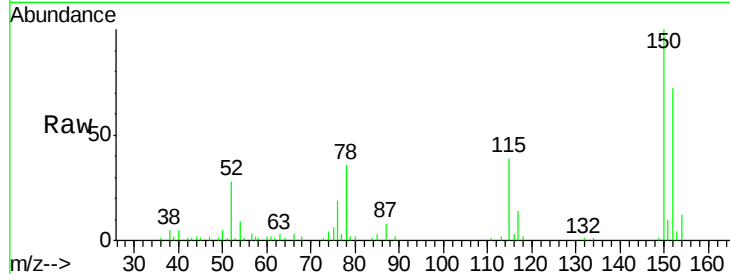


#1

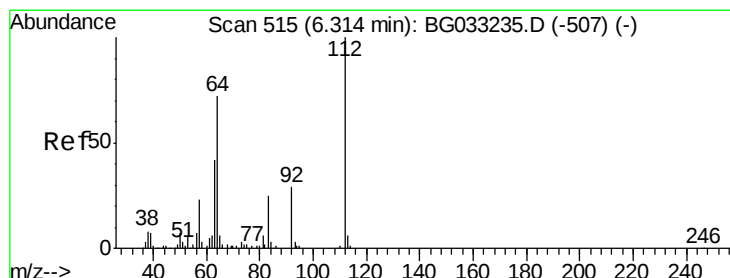
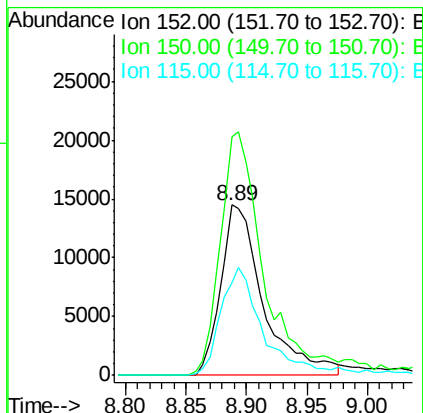
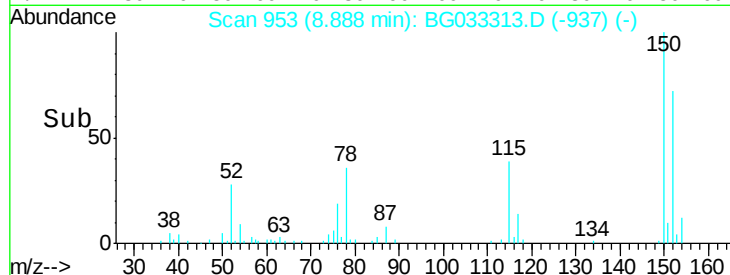
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.89 min Scan# 953  
Delta R.T. -0.01 min  
Lab File: BG033313.D  
Acq: 23 Mar 2018 4:28

Instrument :  
BNA\_G  
ClientSampleId :  
DGA-TOP-LAYER-1-B

Tot Ion:152 Resp: 35511  
Ion Ratio Lower Upper  
152 100  
150 139.8 126.6 189.8  
115 54.1 53.0 79.4



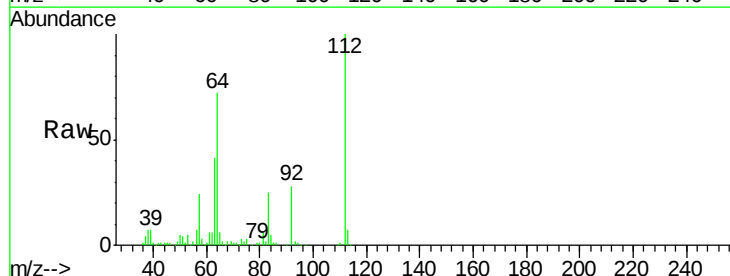
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



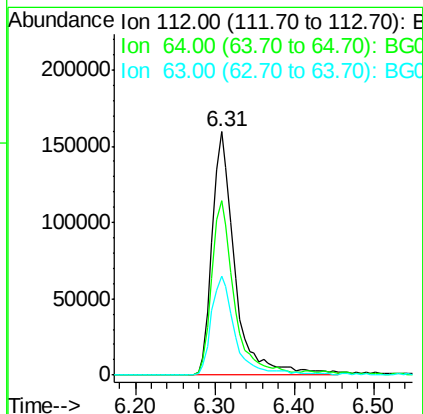
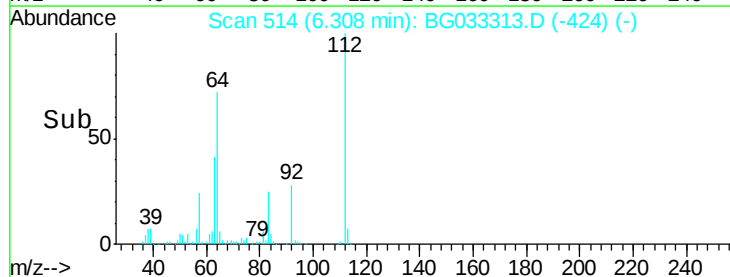
#5

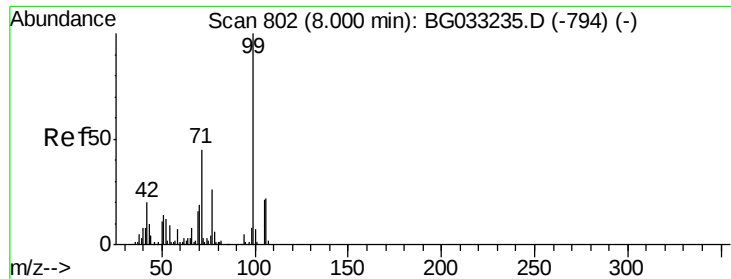
2-Fluorophenol  
Concen: 169.098 ng  
RT: 6.31 min Scan# 514  
Delta R.T. -0.00 min  
Lab File: BG033313.D  
Acq: 23 Mar 2018 4:28

Tgt Ion:112 Resp: 320237  
Ion Ratio Lower Upper  
112 100  
64 71.6 56.3 84.5  
63 40.9 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: 141.829 ng

RT: 7.99 min Scan# 801

Delta R.T. -0.00 min

Lab File: BG033313.D

Acq: 23 Mar 2018 4:28

Instrument :

BNA\_G

ClientSampleId :

DGA-TOP-LAYER-1-B

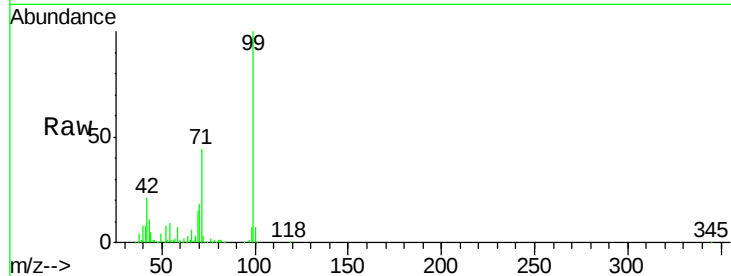
Tot Ion: 99 Resp: 461503

Ion Ratio Lower Upper

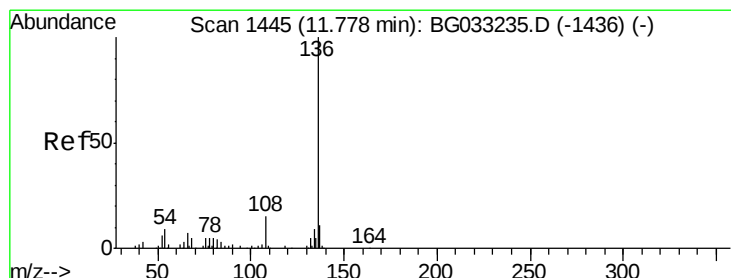
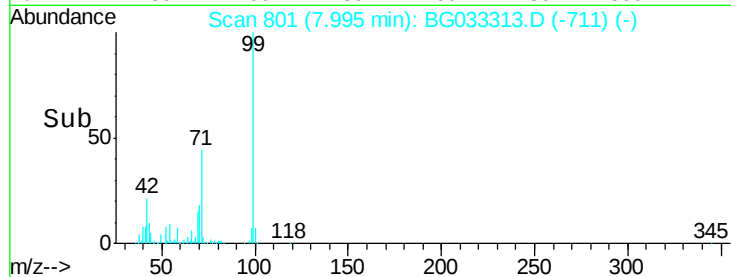
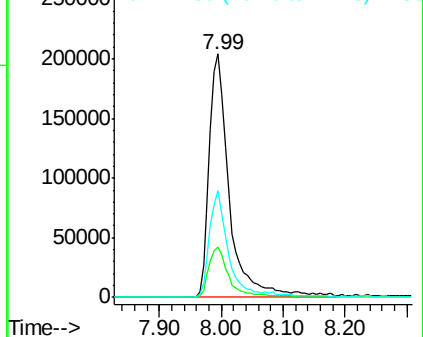
99 100

42 20.9 14.1 21.1

71 43.8 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: 11.77 min Scan# 1444

Delta R.T. -0.01 min

Lab File: BG033313.D

Acq: 23 Mar 2018 4:28

Tgt Ion:136 Resp: 153853

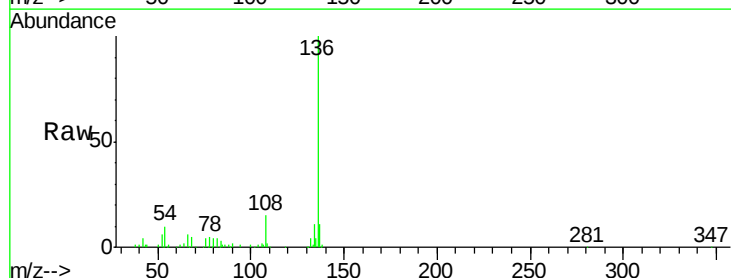
Ion Ratio Lower Upper

136 100

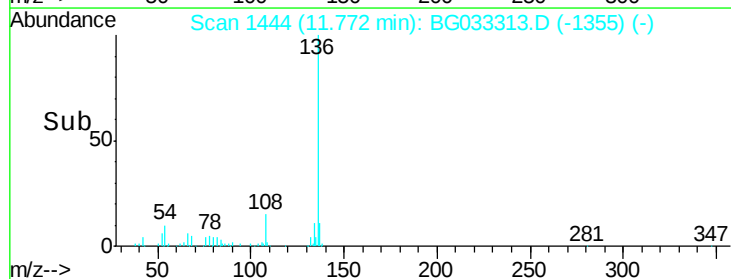
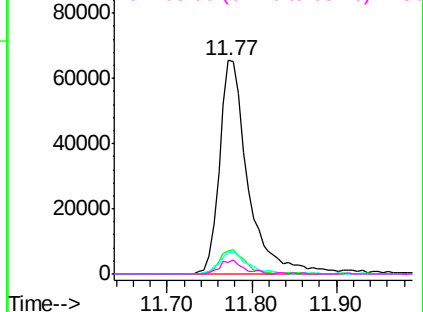
137 10.8 9.2 13.8

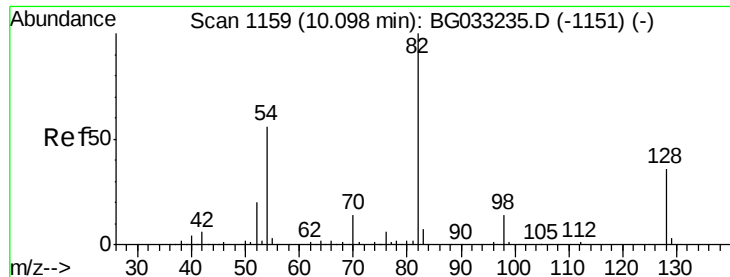
54 10.4 10.3 15.5

68 5.1 4.5 6.7



Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

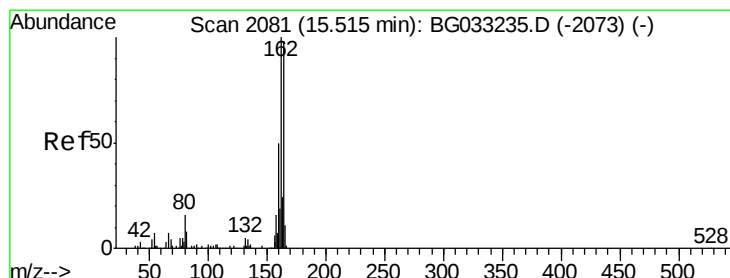
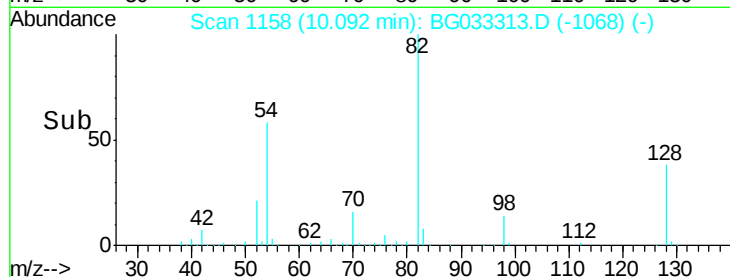
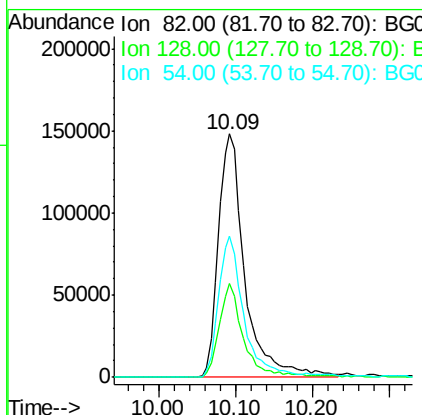
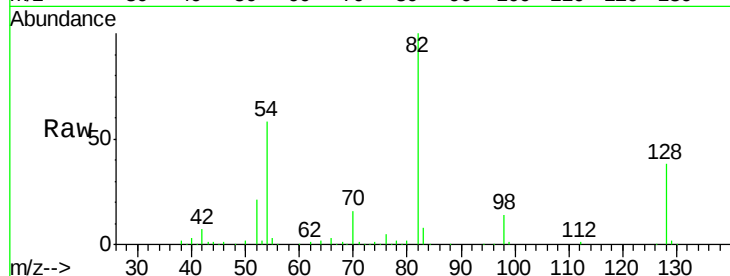




#23  
Nitrobenzene-d5  
Concen: 105.050 ng  
RT: 10.09 min Scan# 1158  
Delta R.T. -0.00 min  
Lab File: BG033313.D  
Acq: 23 Mar 2018 4:28

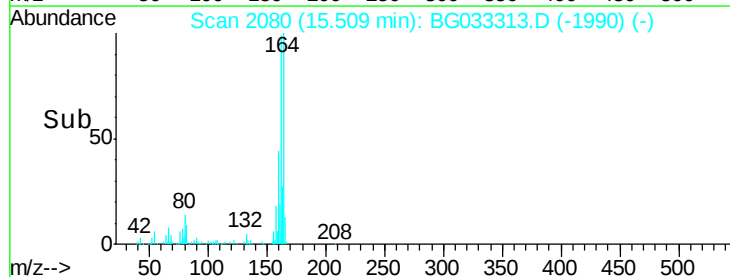
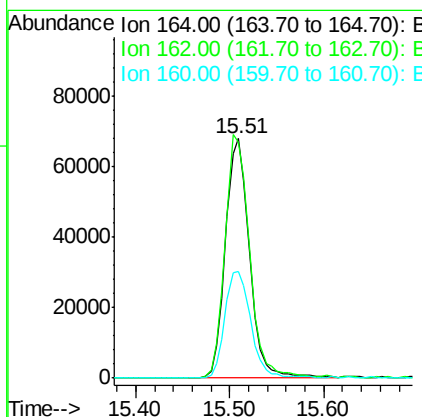
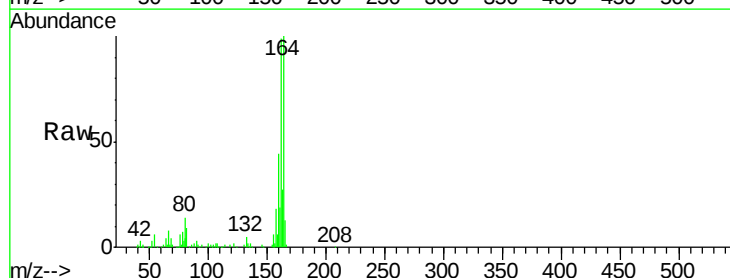
Instrument :  
BNA\_G  
ClientSampleId :  
DGA-TOP-LAYER-1-B

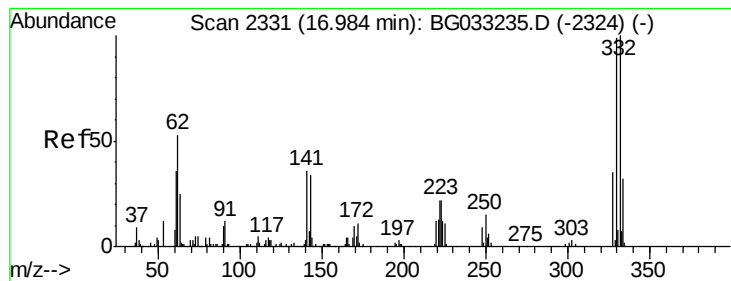
Tot Ion: 82 Resp: 351780  
Ion Ratio Lower Upper  
82 100  
128 38.5 29.7 44.5  
54 57.9 43.1 64.7



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.51 min Scan# 2080  
Delta R.T. -0.00 min  
Lab File: BG033313.D  
Acq: 23 Mar 2018 4:28

Tgt Ion: 164 Resp: 121336  
Ion Ratio Lower Upper  
164 100  
162 98.6 78.8 118.2  
160 44.5 35.4 53.0





#41

2,4,6-Tribromophenol

Concen: 145.915 ng

RT: 16.98 min Scan# 2330

Delta R.T. -0.01 min

Lab File: BG033313.D

Acq: 23 Mar 2018 4:28

Instrument :

BNA\_G

ClientSampleId :

DGA-TOP-LAYER-1-B

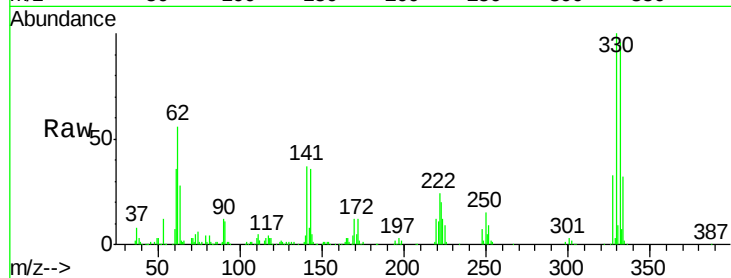
Tot Ion:330 Resp: 264795

Ion Ratio Lower Upper

330 100

332 95.6 77.0 115.6

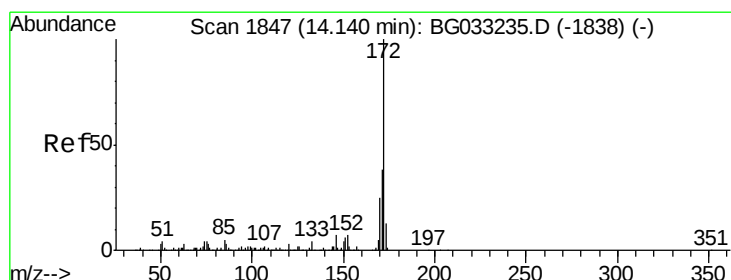
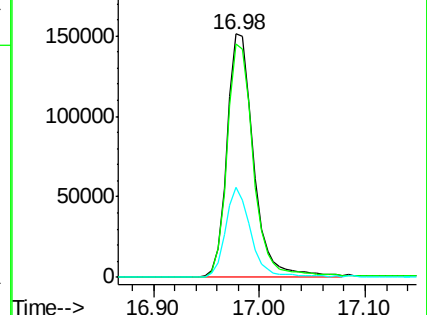
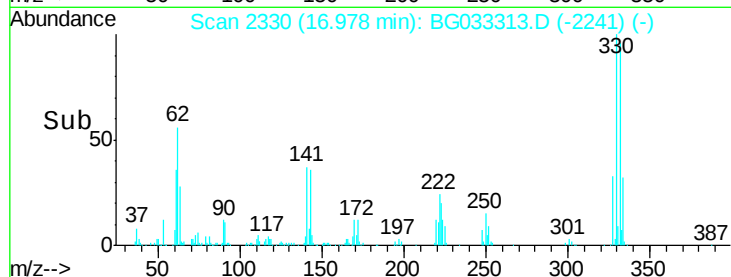
141 35.0 25.2 37.8



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: 102.180 ng

RT: 14.13 min Scan# 1846

Delta R.T. -0.00 min

Lab File: BG033313.D

Acq: 23 Mar 2018 4:28

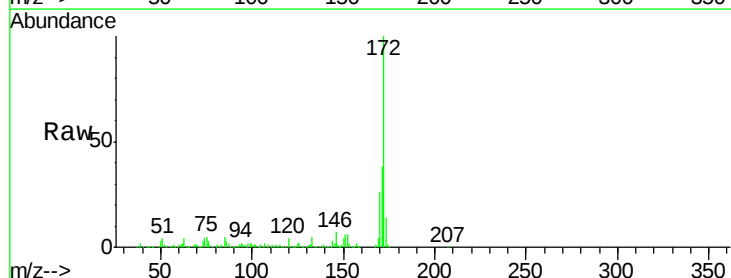
Tgt Ion:172 Resp: 858811

Ion Ratio Lower Upper

172 100

171 37.9 30.0 45.0

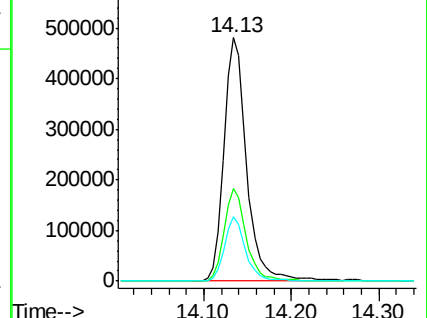
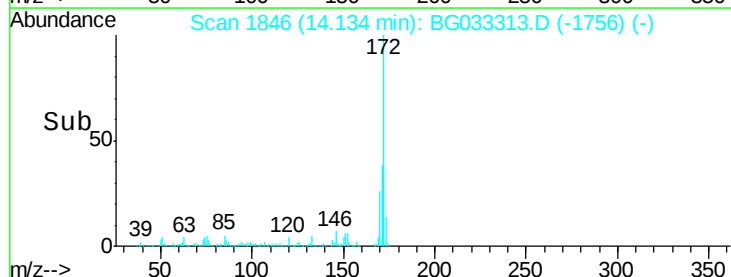
170 26.3 19.5 29.3

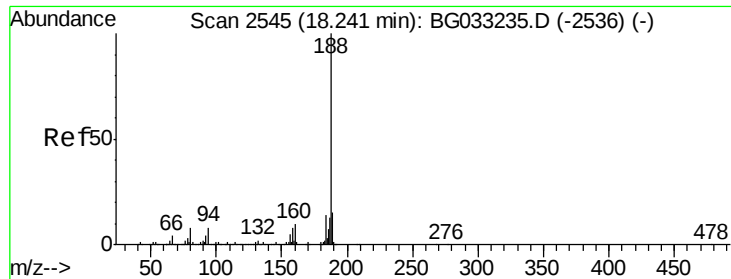


Abundance Ion 172.00 (171.70 to 172.70): E

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: 18.24 min Scan# 2544

Delta R.T. -0.00 min

Lab File: BG033313.D

Acq: 23 Mar 2018 4:28

Instrument :

BNA\_G

ClientSampleId :

DGA-TOP-LAYER-1-B

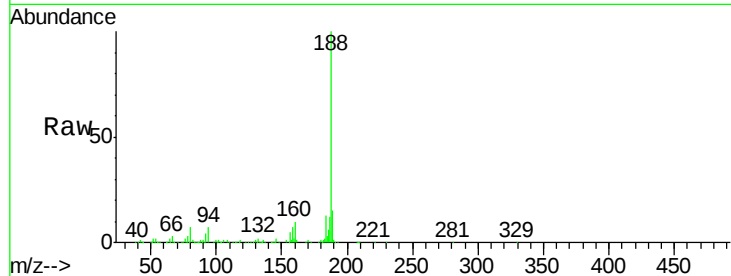
Tot Ion:188 Resp: 343380

Ion Ratio Lower Upper

188 100

94 6.7 6.9 10.3#

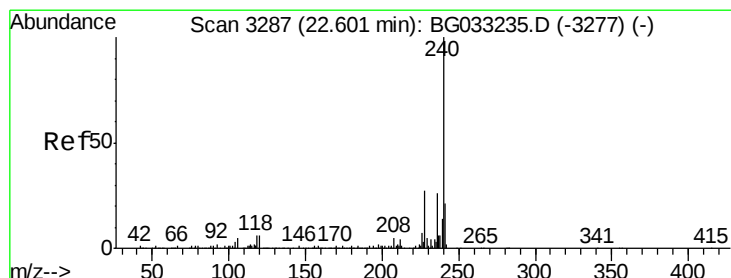
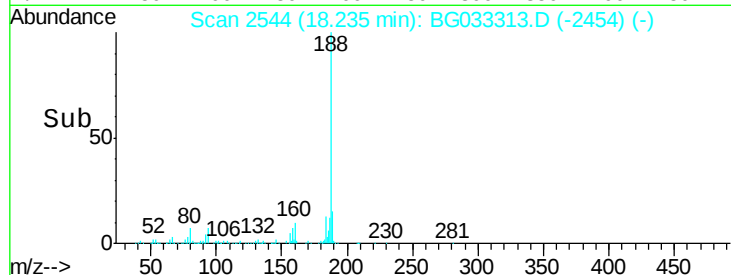
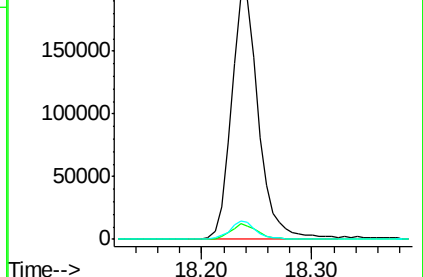
80 7.4 7.7 11.5#



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: 22.59 min Scan# 3285

Delta R.T. -0.01 min

Lab File: BG033313.D

Acq: 23 Mar 2018 4:28

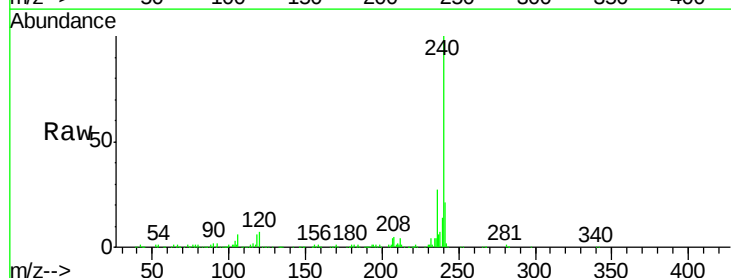
Tgt Ion:240 Resp: 333194

Ion Ratio Lower Upper

240 100

120 6.8 6.8 10.2

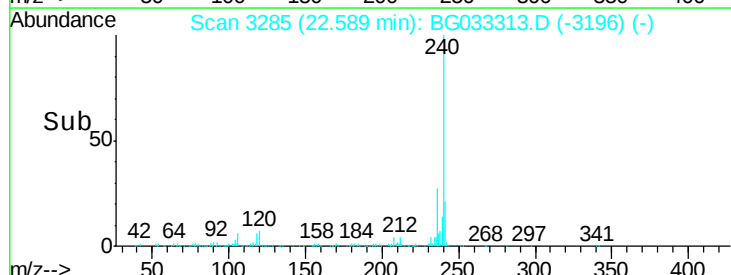
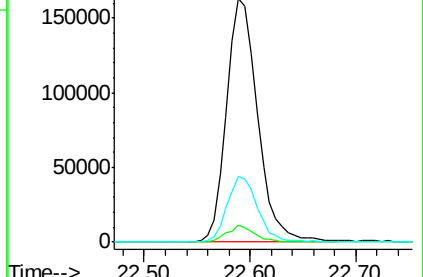
236 27.0 20.9 31.3

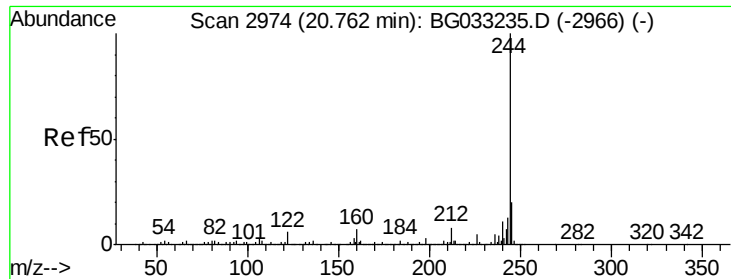


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 110.009 ng

RT: 20.76 min Scan# 2973

Delta R.T. -0.00 min

Lab File: BG033313.D

Acq: 23 Mar 2018 4:28

Instrument :

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ClientSampleId :

DGA-TOP-LAYER-1-B

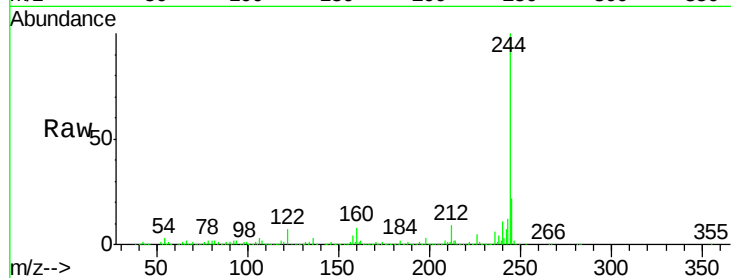
Tot Ion:244 Resp: 1713939

Ion Ratio Lower Upper

244 100

212 9.0 5.8 8.8#

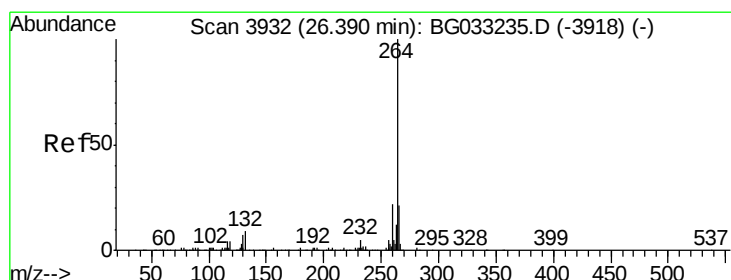
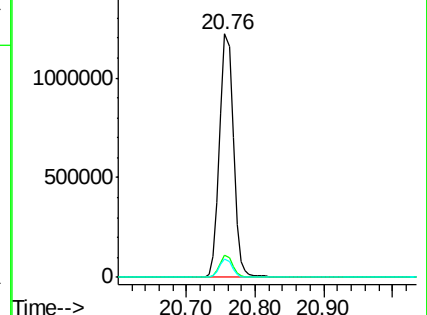
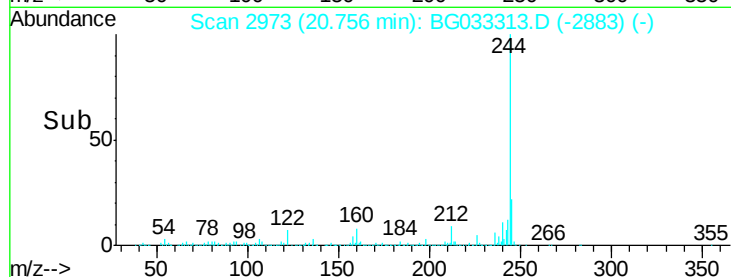
122 7.4 7.0 10.4



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: 26.39 min Scan# 3932

Delta R.T. 0.00 min

Lab File: BG033313.D

Acq: 23 Mar 2018 4:28

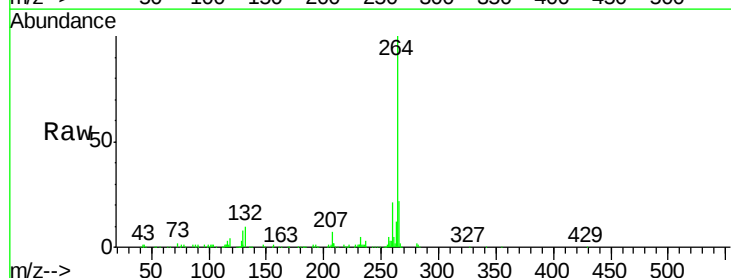
Tgt Ion:264 Resp: 335814

Ion Ratio Lower Upper

264 100

260 21.3 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

