

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121315\  
 Data File : BG020141.D  
 Acq On : 13 Dec 2015 12:44  
 Operator : UM/SJ  
 Sample : G4772-05  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 VITALE-FILL-SOURCE-6A

Quant Time: Dec 14 01:28:19 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 02 18:50:01 2015  
 Response via : Initial Calibration

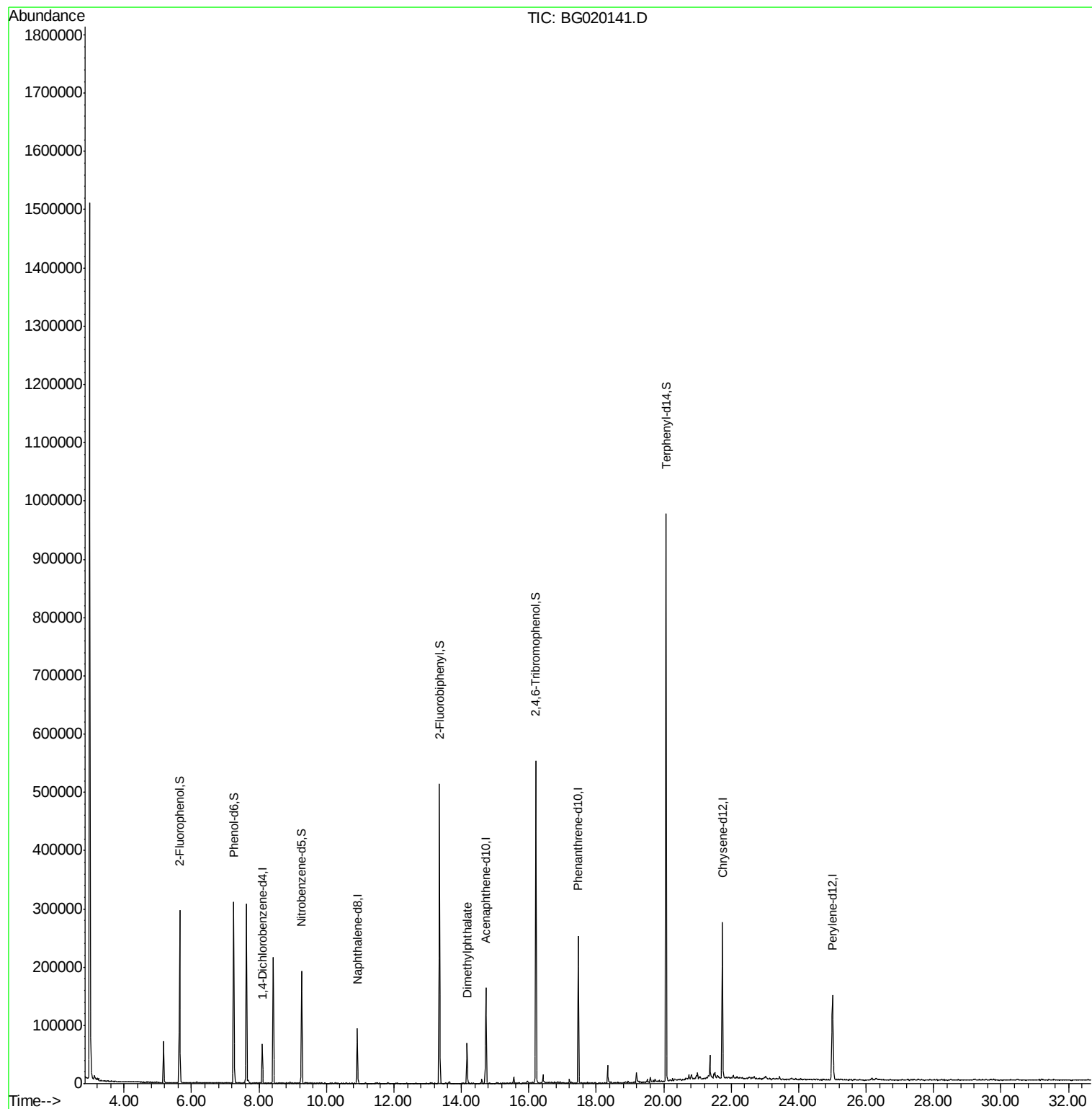
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.10  | 152  | 18579    | 20.00  | ng    | -0.04        |
| 21) Naphthalene-d8          | 10.92 | 136  | 78995    | 20.00  | ng    | -0.03        |
| 38) Acenaphthene-d10        | 14.73 | 164  | 57504    | 20.00  | ng    | -0.03        |
| 63) Phenanthrene-d10        | 17.47 | 188  | 156389   | 20.00  | ng    | -0.04        |
| 75) Chrysene-d12            | 21.74 | 240  | 173255   | 20.00  | ng    | -0.05        |
| 86) Perylene-d12            | 25.00 | 264  | 161735   | 20.00  | ng    | -0.09        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.65  | 112  | 122403   | 119.07 | ng    | -0.02        |
| 7) Phenol-d6                | 7.25  | 99   | 179211   | 115.47 | ng    | -0.02        |
| 23) Nitrobenzene-d5         | 9.27  | 82   | 114276   | 73.83  | ng    | -0.03        |
| 41) 2,4,6-Tribromophenol    | 16.21 | 330  | 105694   | 120.13 | ng    | -0.03        |
| 44) 2-Fluorobiphenyl        | 13.35 | 172  | 268818   | 63.83  | ng    | -0.04        |
| 78) Terphenyl-d14           | 20.07 | 244  | 456057   | 64.21  | ng    | -0.05        |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 14.17 | 163  | 46454    | 8.98   | ng    | Qvalue<br>97 |

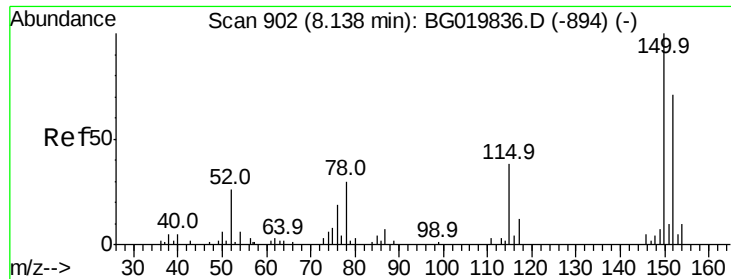
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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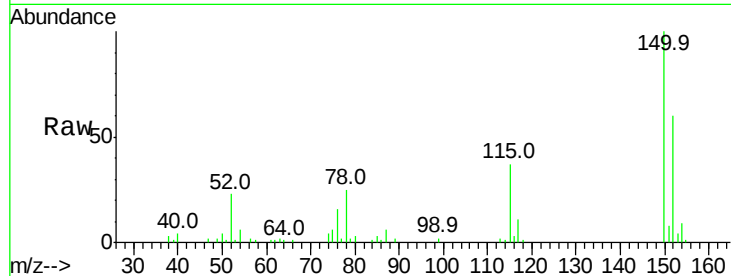


#1

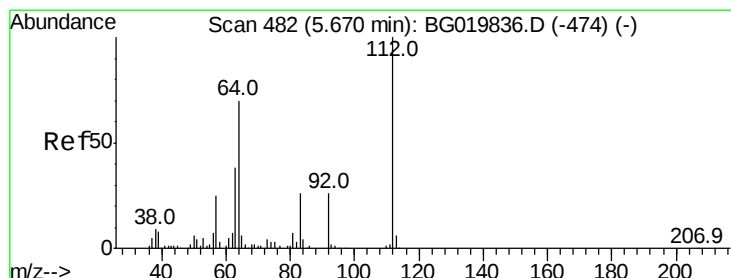
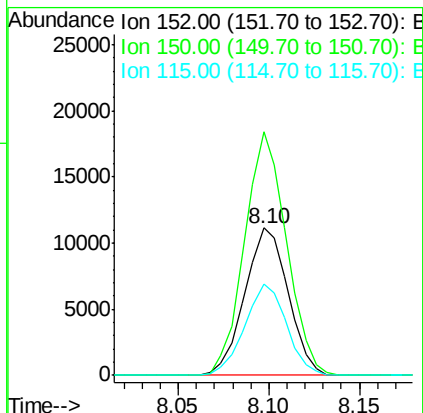
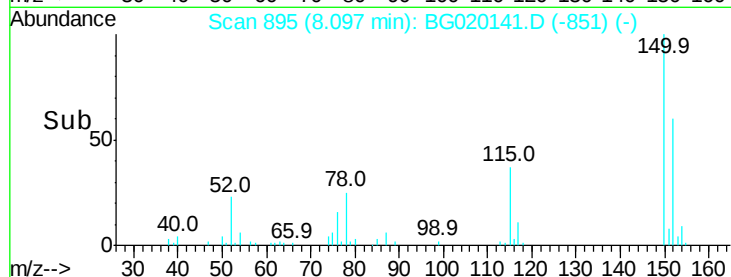
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.10 min Scan# 895  
Delta R.T. -0.04 min  
Lab File: BG020141.D  
Acq: 13 Dec 2015 12:44

Instrument :  
BNA\_G  
ClientSampleId :  
VITALE-FILL-SOURCE-6A

Tot Ion:152 Resp: 18579  
Ion Ratio Lower Upper  
152 100  
150 165.4 115.0 172.4  
115 61.6 43.9 65.9



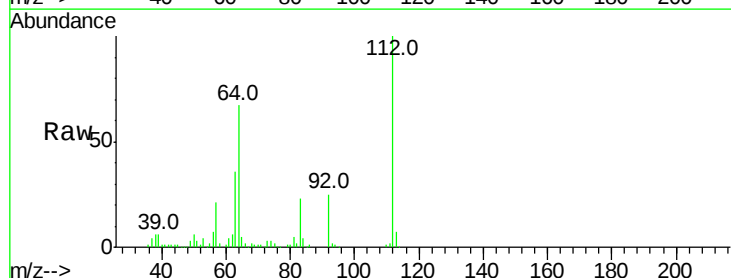
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



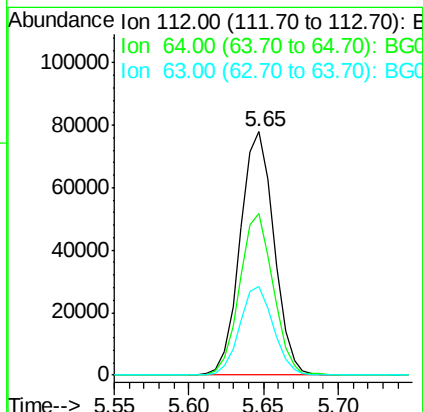
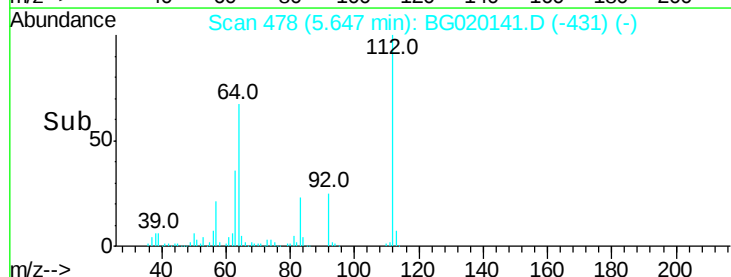
#5

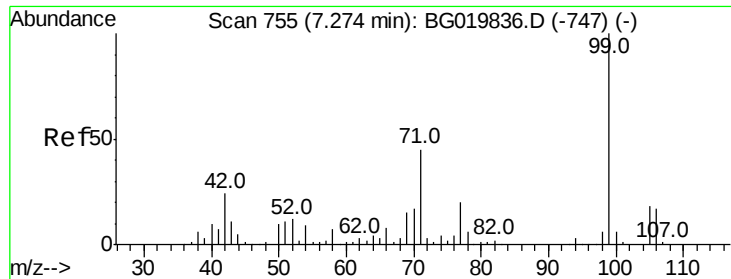
2-Fluorophenol  
Concen: 119.07 ng  
RT: 5.65 min Scan# 478  
Delta R.T. -0.02 min  
Lab File: BG020141.D  
Acq: 13 Dec 2015 12:44

Tgt Ion:112 Resp: 122403  
Ion Ratio Lower Upper  
112 100  
64 66.5 43.7 65.5#  
63 36.5 24.0 36.0#



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: 115.47 ng

RT: 7.25 min Scan# 751

Delta R.T. -0.02 min

Lab File: BG020141.D

Acq: 13 Dec 2015 12:44

Instrument :

BNA\_G

ClientSampleId :

VITALE-FILL-SOURCE-6A

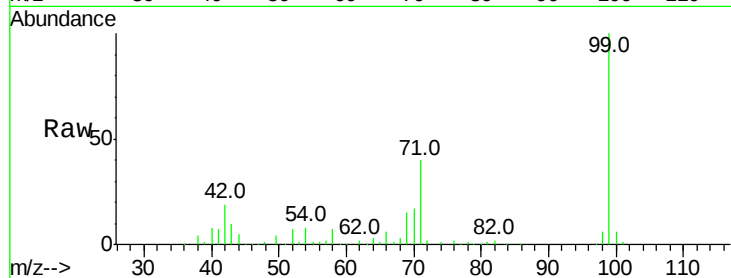
Tot Ion: 99 Resp: 179211

Ion Ratio Lower Upper

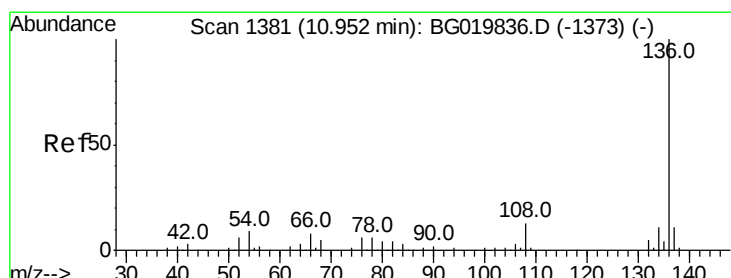
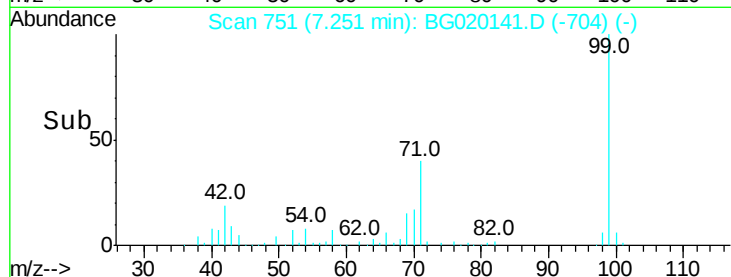
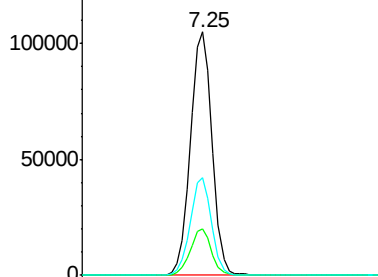
99 100

42 18.9 11.5 17.3#

71 40.1 22.6 34.0#



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: 20.00 ng

RT: 10.92 min Scan# 1375

Delta R.T. -0.03 min

Lab File: BG020141.D

Acq: 13 Dec 2015 12:44

Tgt Ion: 136 Resp: 78995

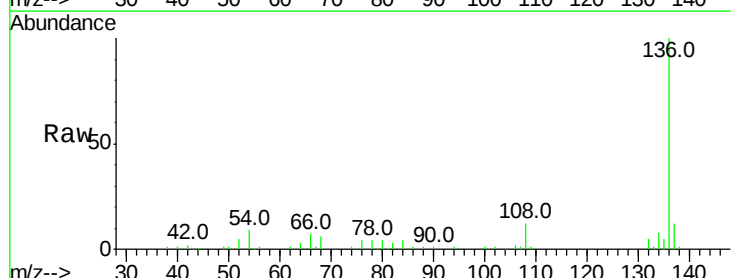
Ion Ratio Lower Upper

136 100

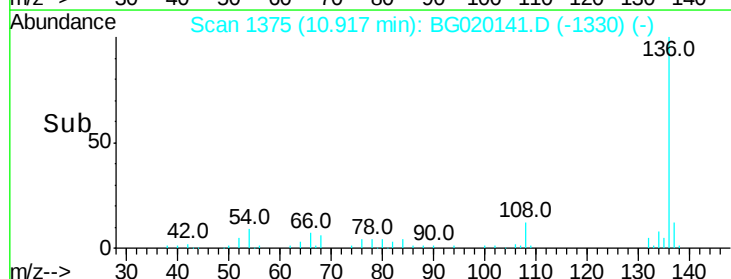
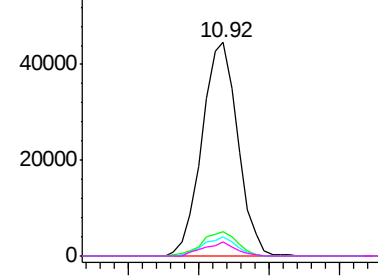
137 11.5 8.6 12.8

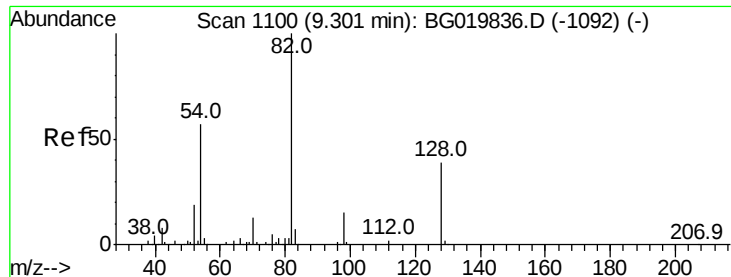
54 9.0 5.4 8.2#

68 6.3 5.3 7.9



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

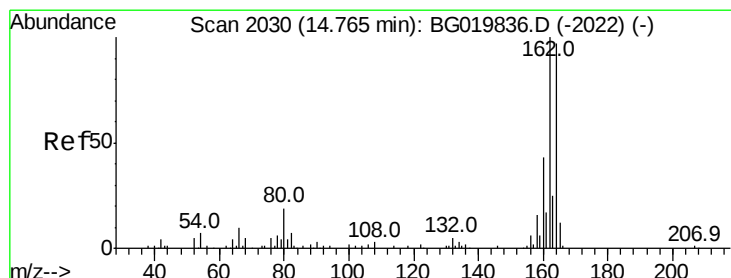
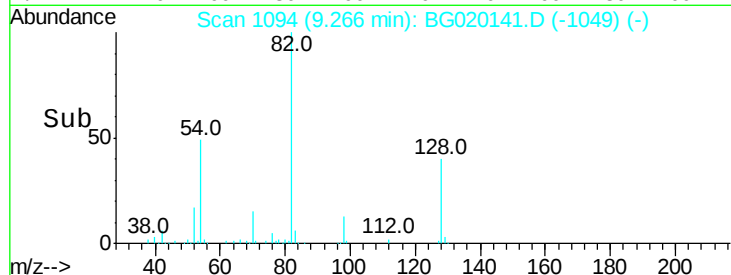
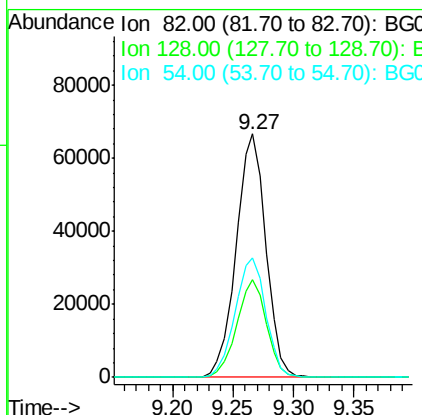
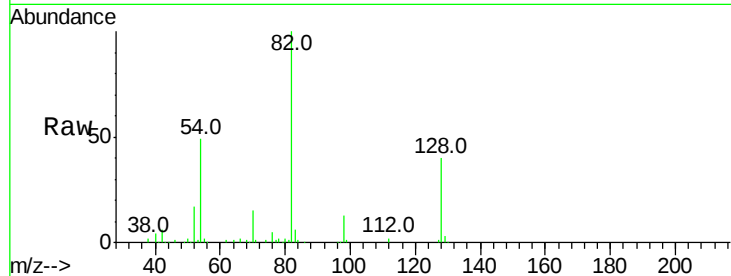




#23  
Nitrobenzene-d5  
Concen: 73.83 ng  
RT: 9.27 min Scan# 1094  
Delta R.T. -0.03 min  
Lab File: BG020141.D  
Acq: 13 Dec 2015 12:44

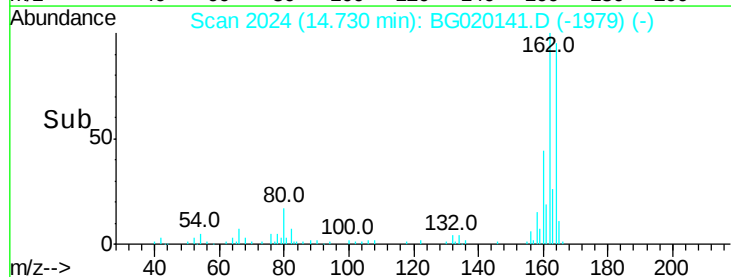
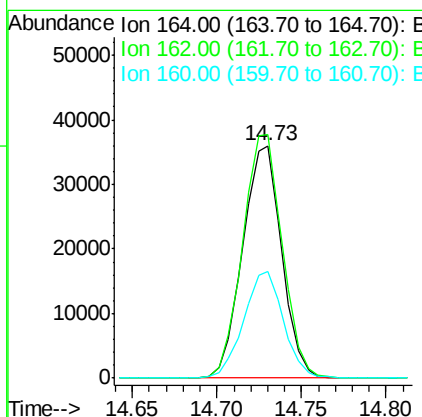
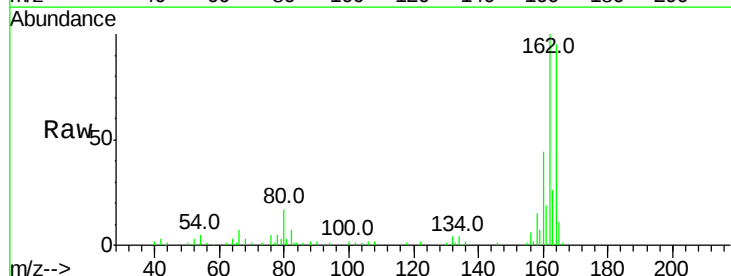
Instrument :  
BNA\_G  
ClientSampleId :  
VITALE-FILL-SOURCE-6A

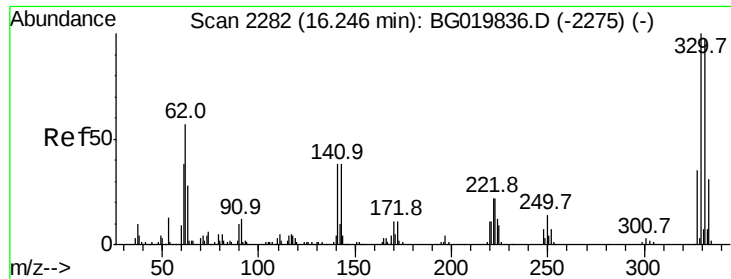
Tot Ion: 82 Resp: 114276  
Ion Ratio Lower Upper  
82 100  
128 40.0 36.7 55.1  
54 49.3 33.8 50.8



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.73 min Scan# 2024  
Delta R.T. -0.03 min  
Lab File: BG020141.D  
Acq: 13 Dec 2015 12:44

Tgt Ion: 164 Resp: 57504  
Ion Ratio Lower Upper  
164 100  
162 104.8 78.8 118.2  
160 45.9 36.4 54.6

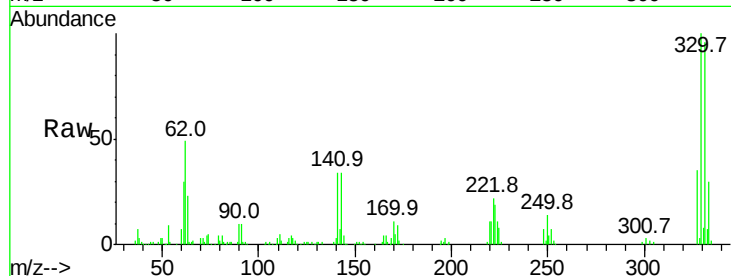




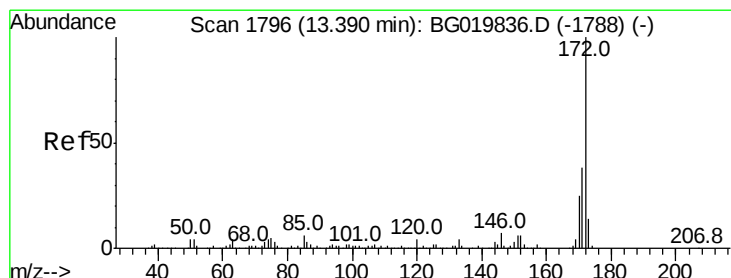
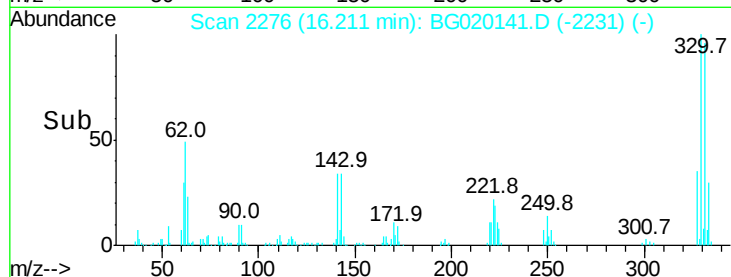
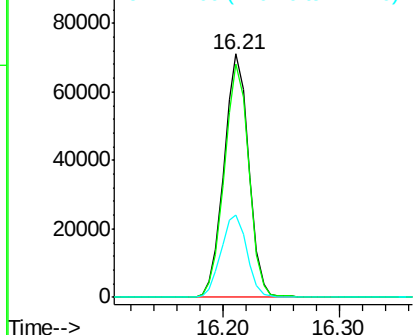
#41  
 2,4,6-Tribromophenol  
 Concen: 120.13 ng  
 RT: 16.21 min Scan# 2276  
 Delta R.T. -0.03 min  
 Lab File: BG020141.D  
 Acq: 13 Dec 2015 12:44

Instrument :  
 BNA\_G  
 ClientSampleId :  
 VITALE-FILL-SOURCE-6A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.6  | 78.1  | 117.1 |
| 141     | 35.1  | 28.2  | 42.2  |

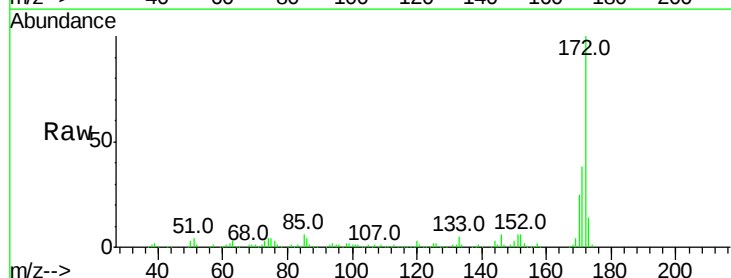


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

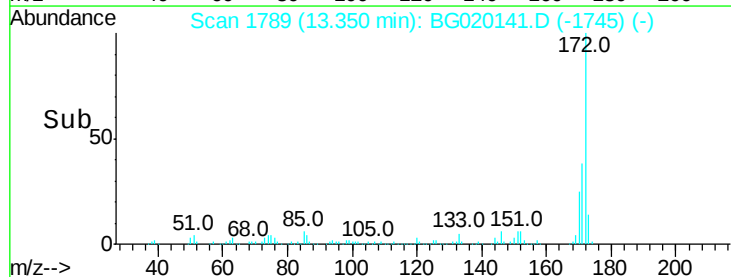
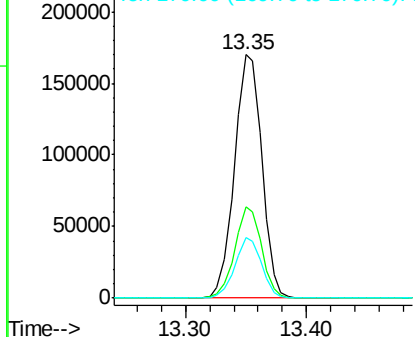


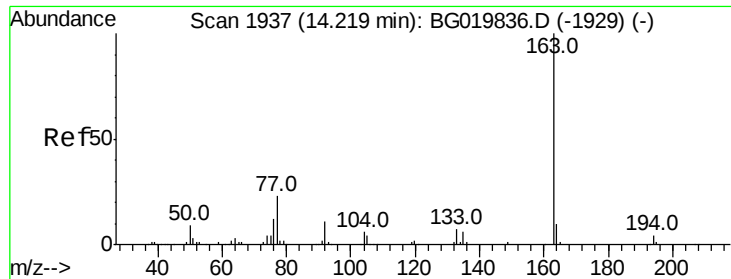
#44  
 2-Fluorobiphenyl  
 Concen: 63.83 ng  
 RT: 13.35 min Scan# 1789  
 Delta R.T. -0.04 min  
 Lab File: BG020141.D  
 Acq: 13 Dec 2015 12:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.7  | 29.0  | 43.6  |
| 170     | 25.1  | 19.9  | 29.9  |



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





#49

Dimethylphthalate

Concen: 8.98 ng

RT: 14.17 min Scan# 1929

Delta R.T. -0.05 min

Lab File: BG020141.D

Acq: 13 Dec 2015 12:44

Instrument :

BNA\_G

ClientSampleId :

VITALE-FILL-SOURCE-6A

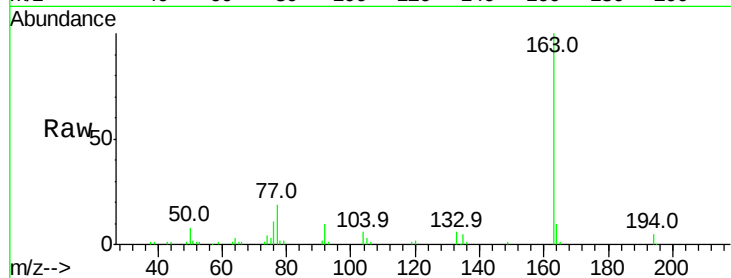
Tot Ion:163 Resp: 46454

Ion Ratio Lower Upper

163 100

194 4.5 3.1 4.7

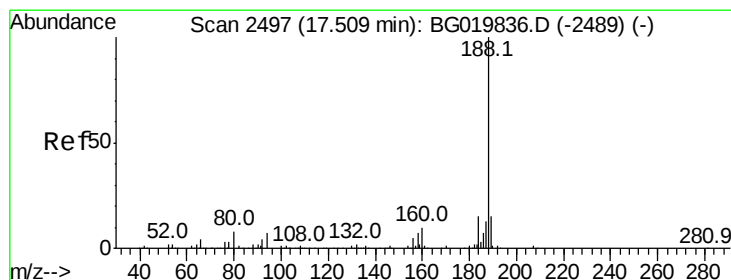
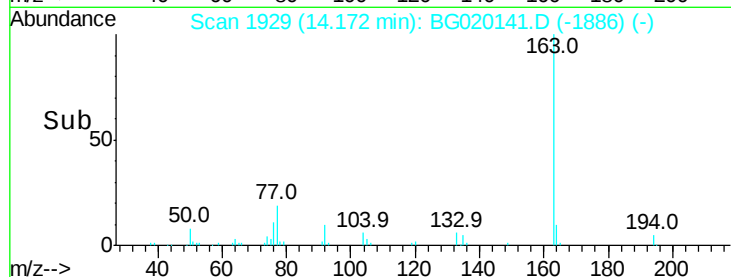
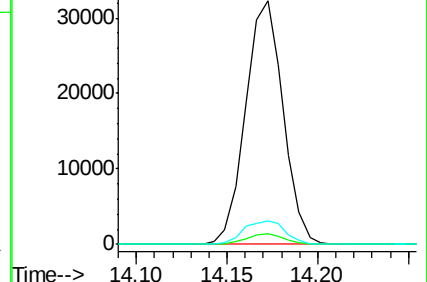
164 9.8 8.8 13.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.47 min Scan# 2490

Delta R.T. -0.04 min

Lab File: BG020141.D

Acq: 13 Dec 2015 12:44

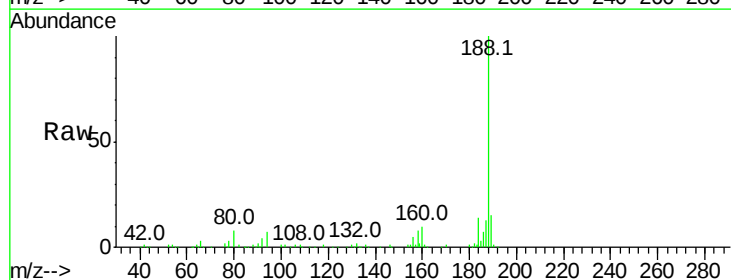
Tgt Ion:188 Resp: 156389

Ion Ratio Lower Upper

188 100

94 6.6 7.7 11.5#

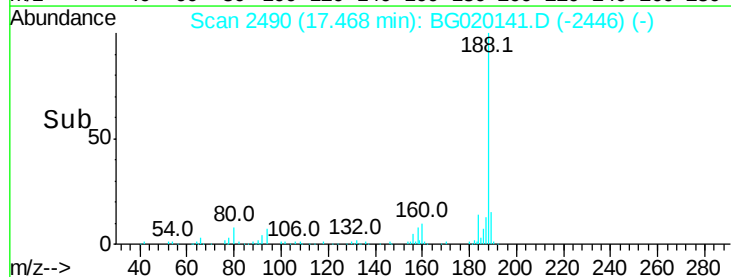
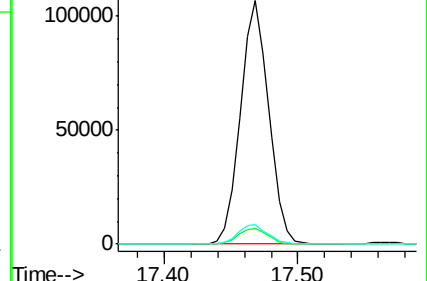
80 8.1 7.8 11.8

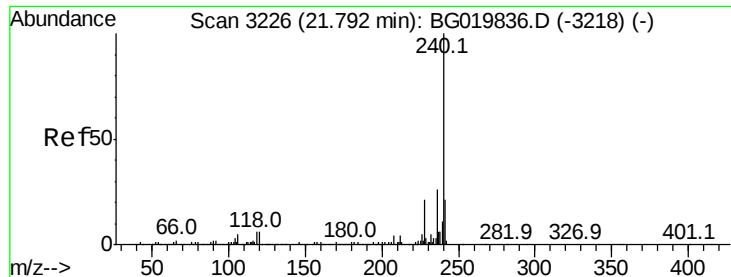


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.74 min Scan# 3217

Delta R.T. -0.05 min

Lab File: BG020141.D

Acq: 13 Dec 2015 12:44

Instrument :

BNA\_G

ClientSampleId :

VITALE-FILL-SOURCE-6A

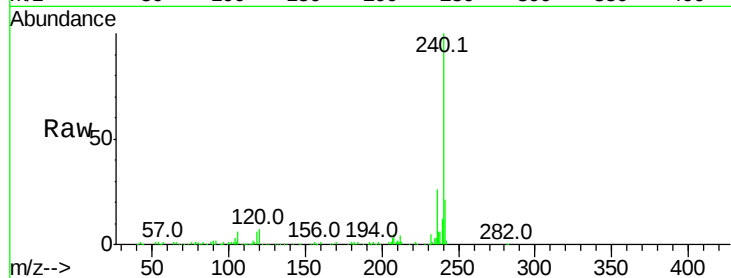
Tot Ion:240 Resp: 173255

Ion Ratio Lower Upper

240 100

120 6.8 7.4 11.0#

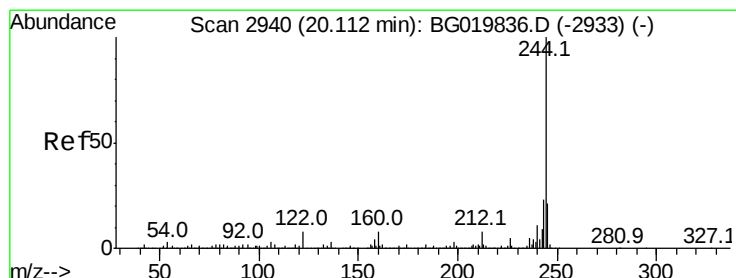
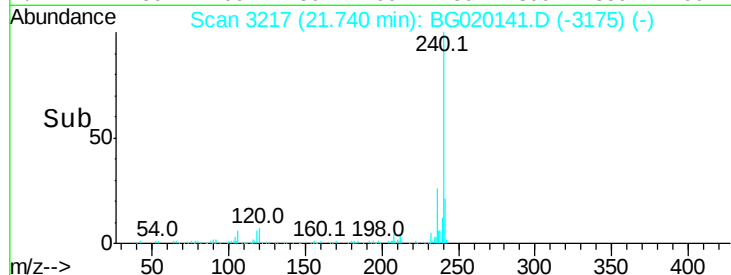
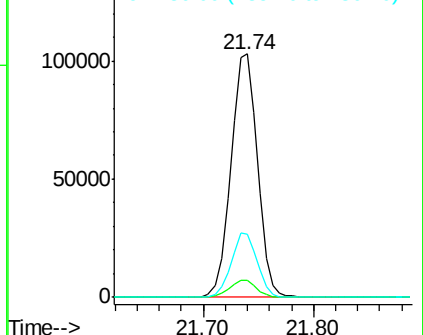
236 25.8 20.7 31.1



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: 64.21 ng

RT: 20.07 min Scan# 2932

Delta R.T. -0.05 min

Lab File: BG020141.D

Acq: 13 Dec 2015 12:44

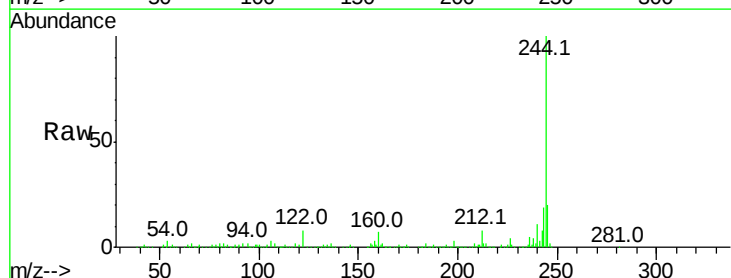
Tgt Ion:244 Resp: 456057

Ion Ratio Lower Upper

244 100

212 7.7 6.9 10.3

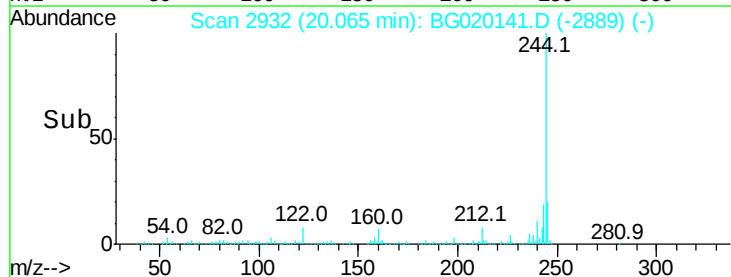
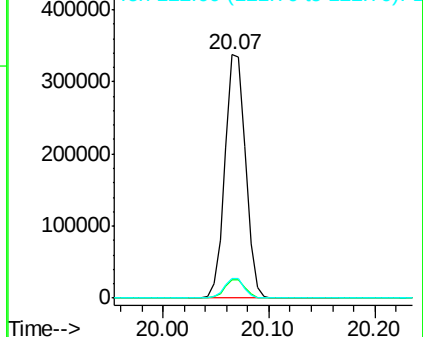
122 8.1 10.2 15.2#

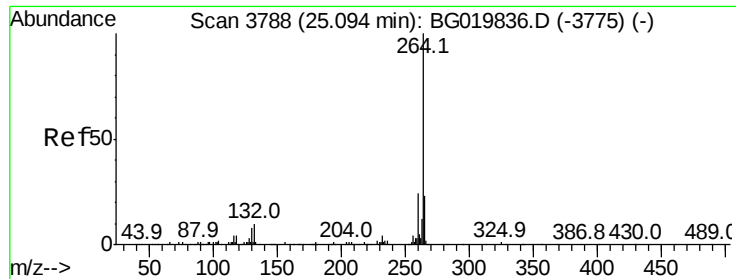


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

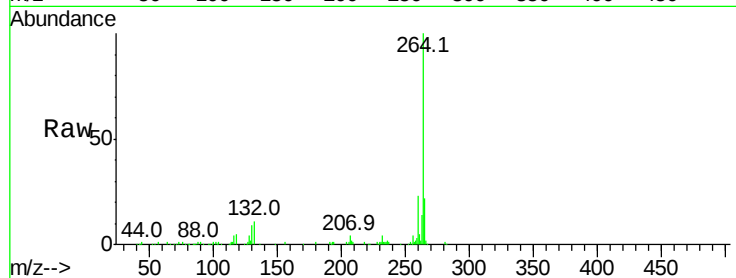




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 25.00 min Scan# 3772  
 Delta R.T. -0.09 min  
 Lab File: BG020141.D  
 Acq: 13 Dec 2015 12:44

Instrument :  
 BNA\_G  
 ClientSampleId :  
 VITALE-FILL-SOURCE-6A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 18.5  | 27.7  |
| 265     | 22.5  | 17.2  | 25.8  |



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

