

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG082316\  
 Data File : BG023855.D  
 Acq On : 23 Aug 2016 16:16  
 Operator : UM/SJ  
 Sample : H4528-15  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 VITALEFILL-MCMPH3-4

Quant Time: Aug 24 01:19:11 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\Methods\8270-BG080116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 01 19:22:14 2016  
 Response via : Initial Calibration

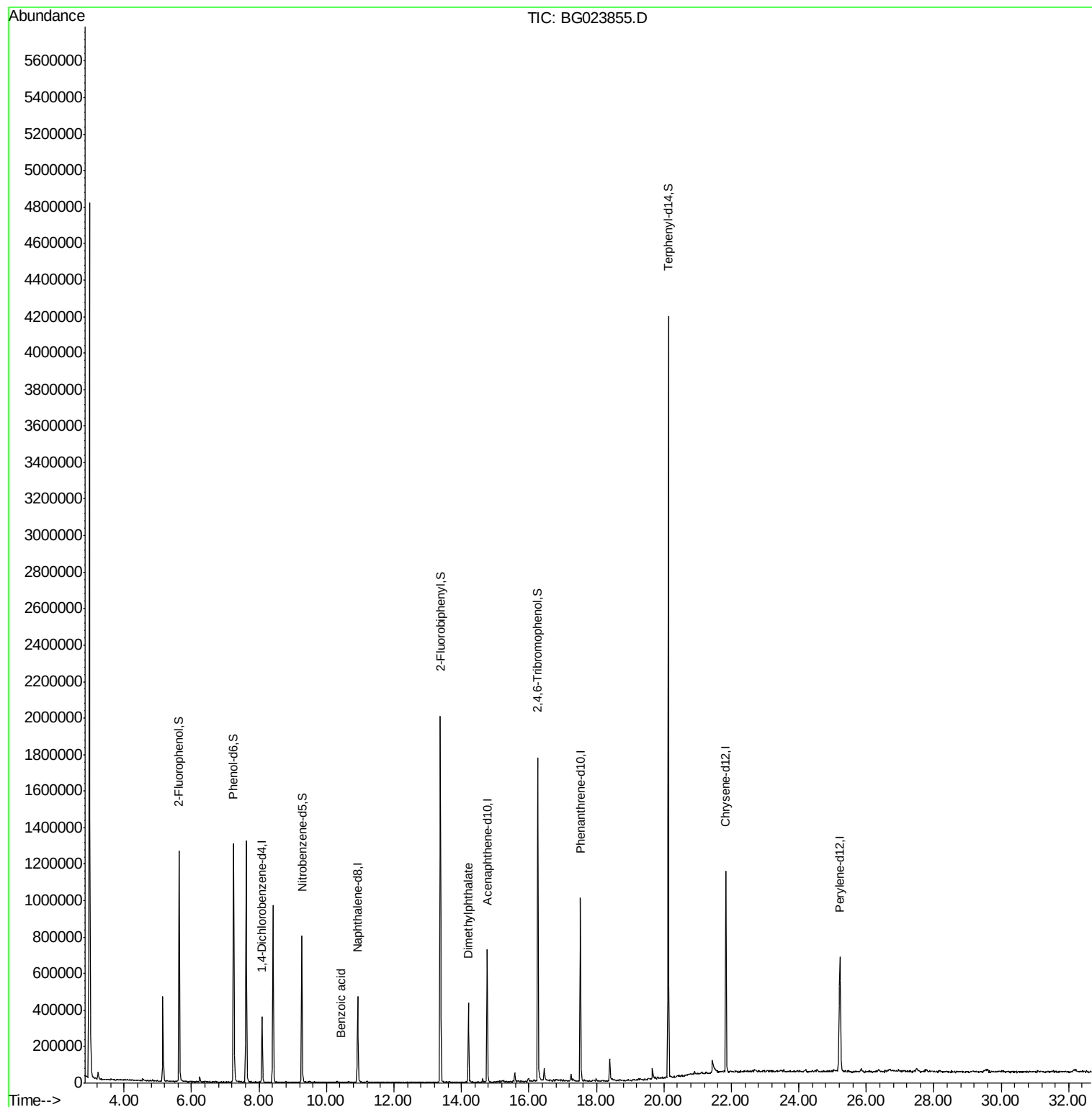
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.09  | 152  | 94704    | 20.00     | ng    | -0.03    |
| 21) Naphthalene-d8          | 10.93 | 136  | 391482   | 20.00     | ng    | -0.03    |
| 38) Acenaphthene-d10        | 14.76 | 164  | 249075   | 20.00     | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.52 | 188  | 626251   | 20.00     | ng    | -0.02    |
| 75) Chrysene-d12            | 21.84 | 240  | 716258   | 20.00     | ng    | -0.03    |
| 86) Perylene-d12            | 25.22 | 264  | 707451   | 20.00     | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |           |       |          |
| 5) 2-Fluorophenol           | 5.63  | 112  | 540209   | 96.02     | ng    | -0.03    |
| 7) Phenol-d6                | 7.25  | 99   | 786122   | 89.71     | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 9.27  | 82   | 541881   | 68.81     | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 16.27 | 330  | 323071   | 88.68     | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.38 | 172  | 1014632  | 68.71     | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.13 | 244  | 1614210  | 66.32     | ng    | -0.02    |
| Target Compounds            |       |      |          |           |       |          |
| 9) Benzaldehyde             | 7.26  | 77   | 1832     | Below Cal | #     | 8        |
| 32) Benzoic acid            | 10.42 | 122  | 58       | 6.45 ng   | #     | 1        |
| 49) Dimethylphthalate       | 14.21 | 163  | 297535   | 15.57 ng  | #     | 98       |
| 73) Di-n-butylphthalate     | 18.47 | 149  | 3727     | Below Cal | #     | 81       |
| 74) Fluoranthene            | 19.59 | 202  | 770      | Below Cal | #     | 51       |
| 77) Pyrene                  | 19.96 | 202  | 989      | Below Cal | #     | 64       |

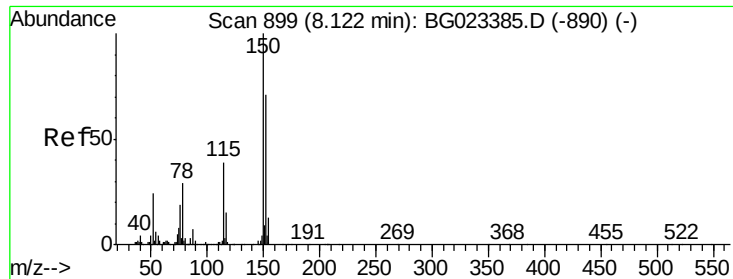
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.09 min Scan# 894

Delta R.T. -0.03 min

Lab File: BG023855.D

Acq: 23 Aug 2016 16:16

Instrument :

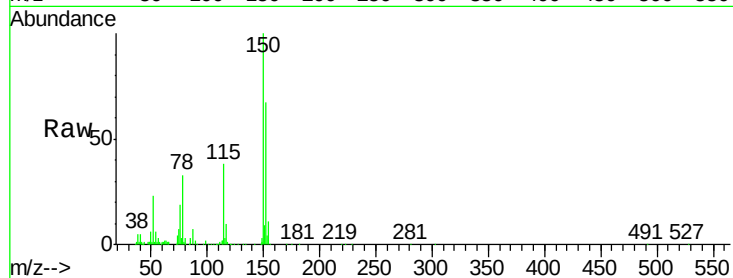
BNA\_G

ClientSampleId :

VITALEFILL-MCMPH3-4

Tgt Ion:152 Resp: 94704

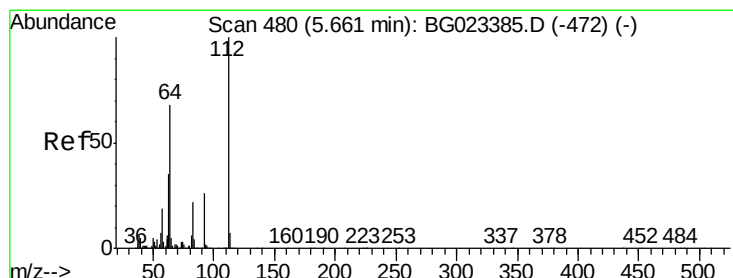
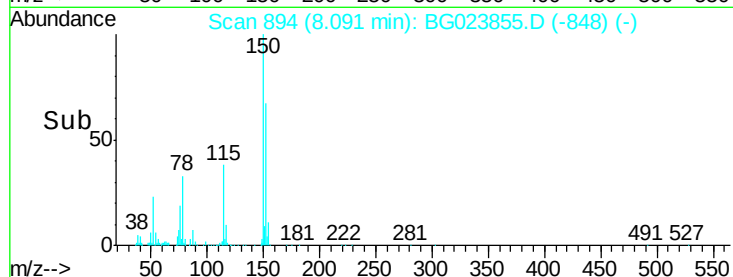
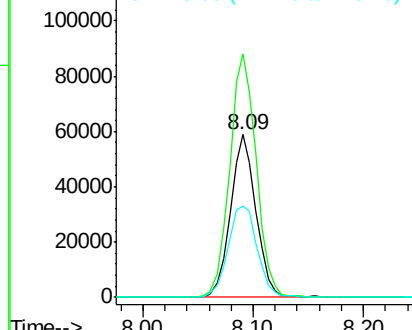
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 150 | 149.8 | 144.7 | 217.1 |
| 115 | 56.2  | 64.0  | 96.0  |



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: 96.02 ng

RT: 5.63 min Scan# 475

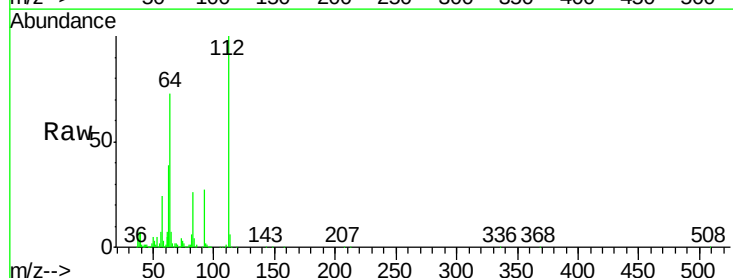
Delta R.T. -0.03 min

Lab File: BG023855.D

Acq: 23 Aug 2016 16:16

Tgt Ion:112 Resp: 540209

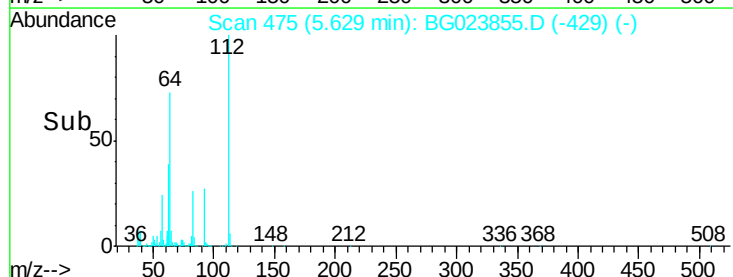
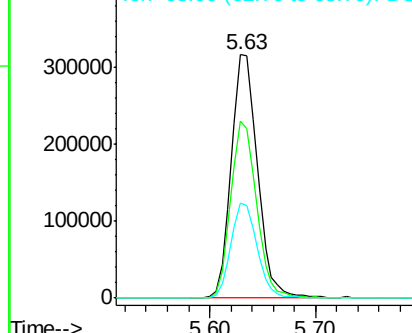
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 64  | 72.6  | 59.0  | 88.4  |
| 63  | 39.3  | 37.8  | 56.8  |

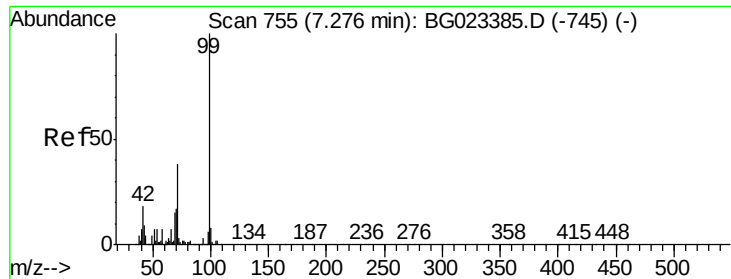


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 89.71 ng

RT: 7.25 min Scan# 751

Delta R.T. -0.03 min

Lab File: BG023855.D

Acq: 23 Aug 2016 16:16

Instrument :

BNA\_G

ClientSampleId :

VITALEFILL-MCMPH3-4

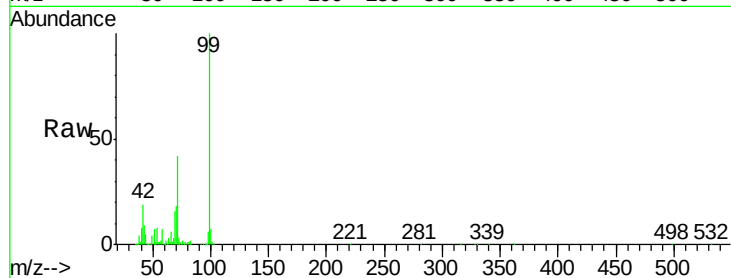
Tgt Ion: 99 Resp: 786122

Ion Ratio Lower Upper

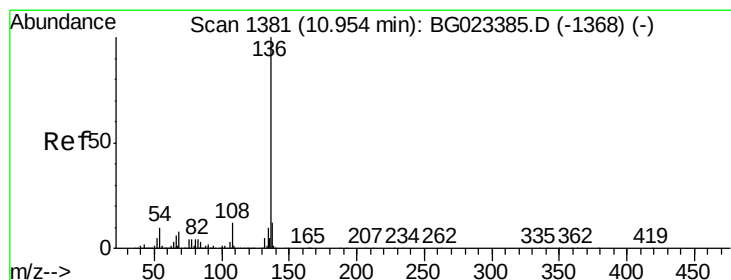
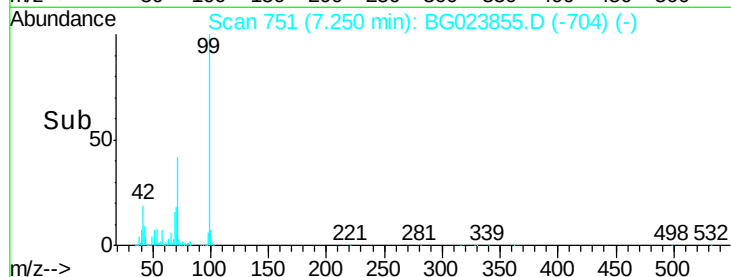
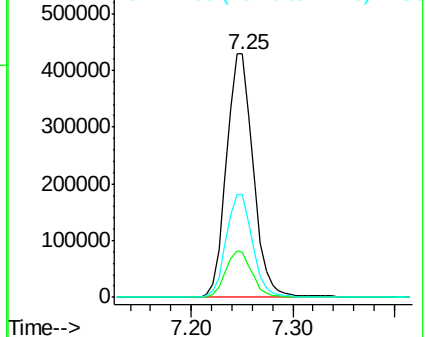
99 100

42 18.8 17.8 26.6

71 42.5 41.5 62.3



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: 10.93 min Scan# 1377

Delta R.T. -0.03 min

Lab File: BG023855.D

Acq: 23 Aug 2016 16:16

Tgt Ion: 136 Resp: 391482

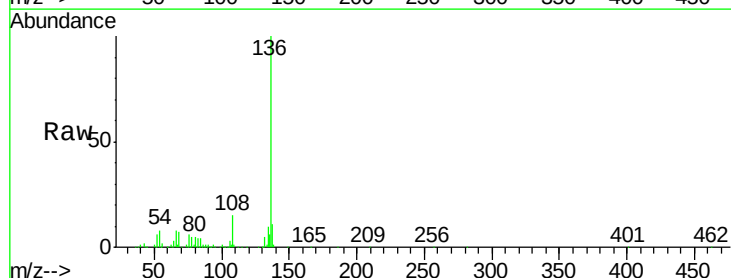
Ion Ratio Lower Upper

136 100

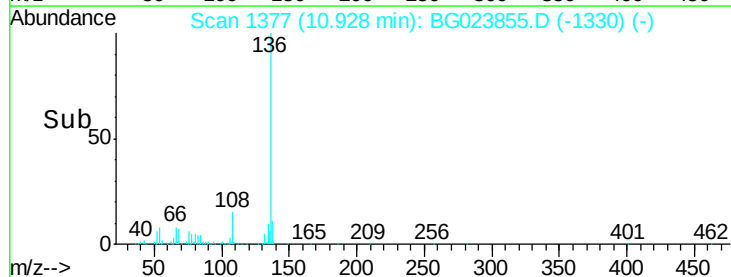
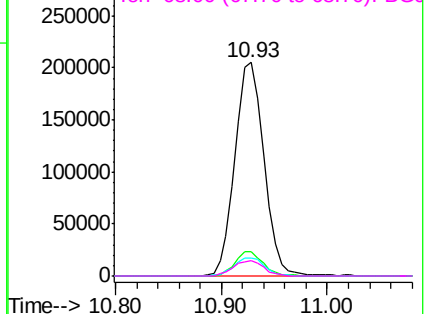
137 11.4 9.6 14.4

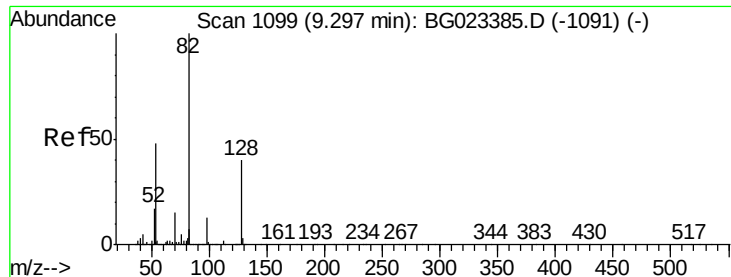
54 8.4 7.3 10.9

68 7.4 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

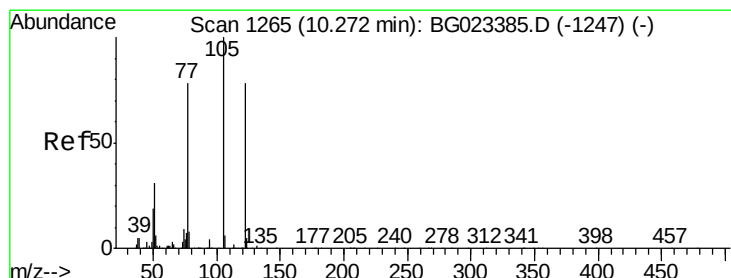
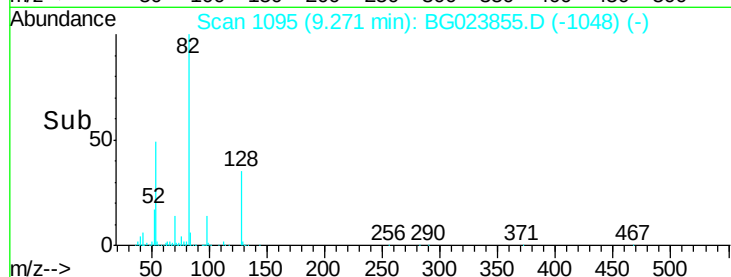
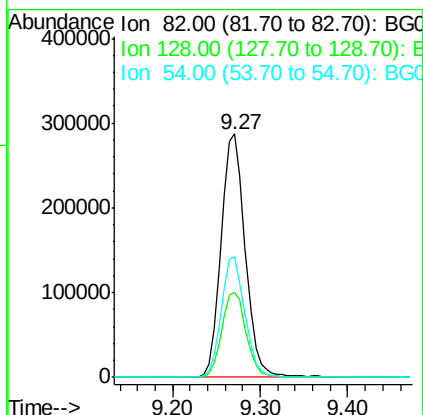
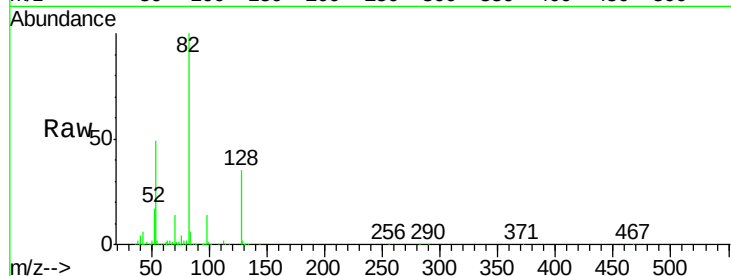




#23  
 Nitrobenzene-d5  
 Concen: 68.81 ng  
 RT: 9.27 min Scan# 1095  
 Delta R.T. -0.03 min  
 Lab File: BG023855.D  
 Acq: 23 Aug 2016 16:16

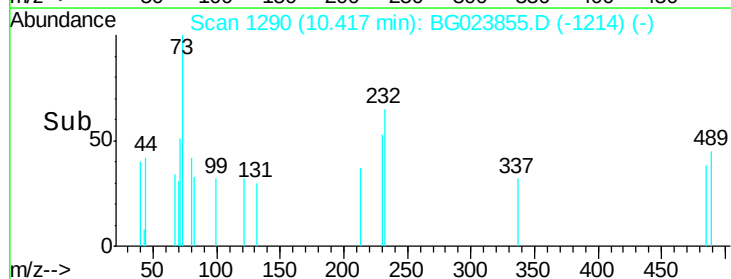
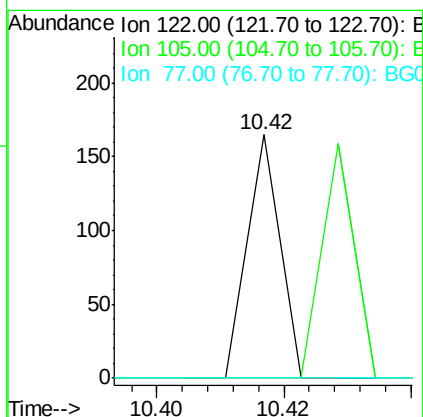
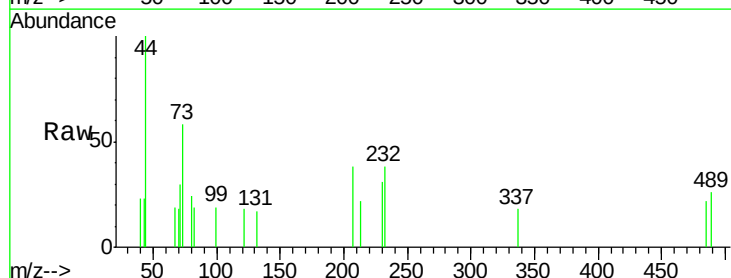
Instrument :  
 BNA\_G  
 ClientSampleId :  
 VITALEFILL-MCMPH3-4

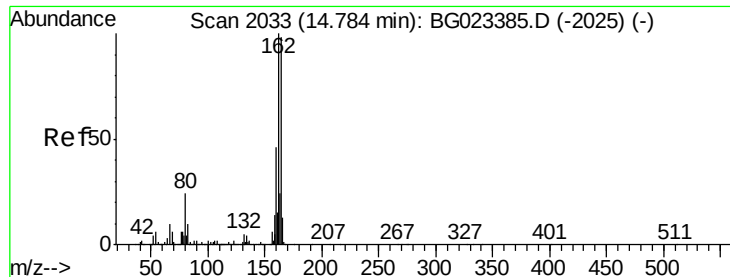
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 34.7  | 24.4  | 36.6  |
| 54      | 49.4  | 41.4  | 62.0  |



#32  
 Benzoic acid  
 Concen: 6.45 ng  
 RT: 10.42 min Scan# 1290  
 Delta R.T. 0.14 min  
 Lab File: BG023855.D  
 Acq: 23 Aug 2016 16:16

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 0.0   | 117.2 | 157.2# |
| 77      | 0.0   | 109.2 | 149.2# |

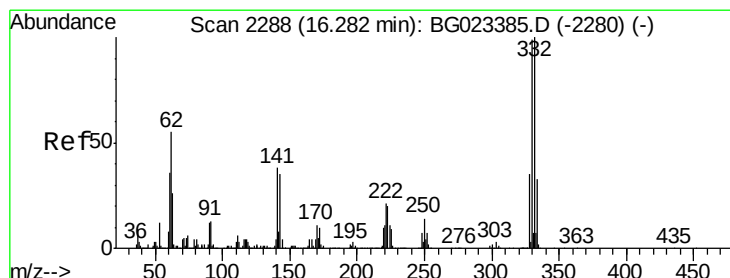
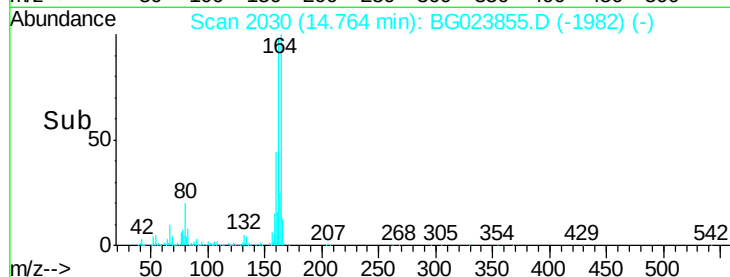
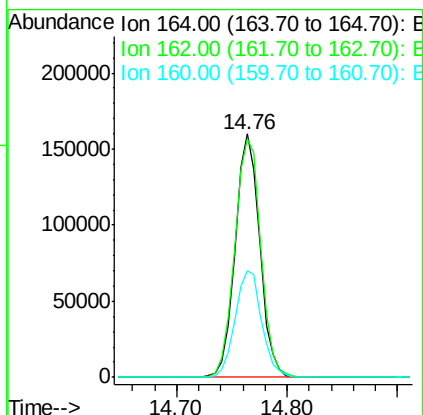
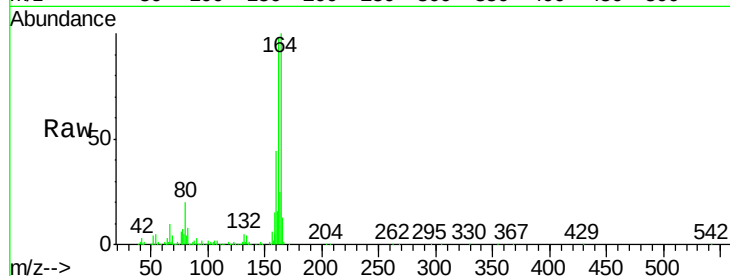




#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.76 min Scan# 2030  
Delta R.T. -0.02 min  
Lab File: BG023855.D  
Acq: 23 Aug 2016 16:16

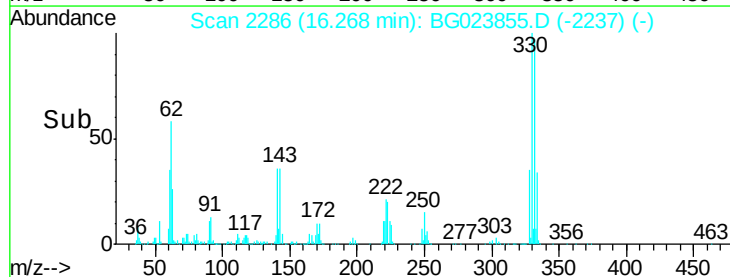
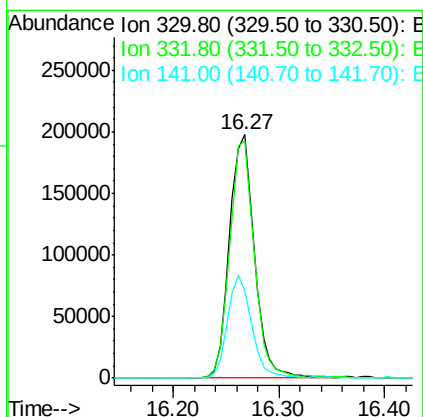
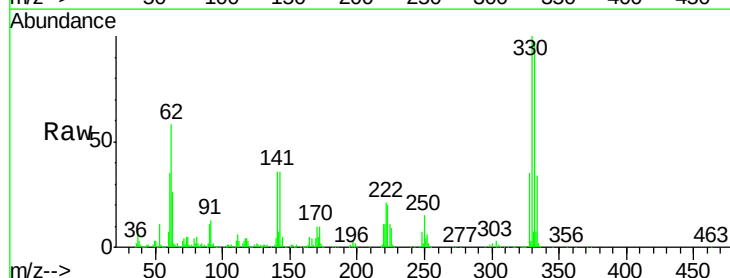
Instrument :  
BNA\_G  
ClientSampleId :  
VITALEFILL-MCMPH3-4

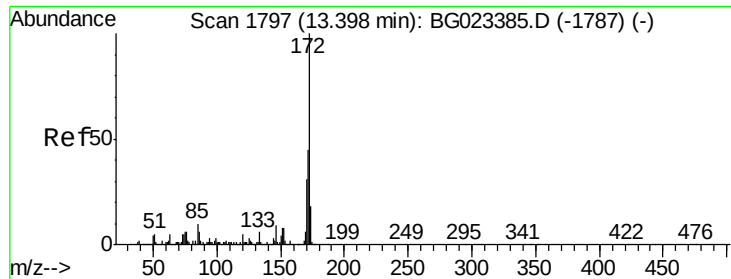
Tgt Ion:164 Resp: 249075  
Ion Ratio Lower Upper  
164 100  
162 97.8 87.7 131.5  
160 43.7 37.2 55.8



#41  
2,4,6-Tribromophenol  
Concen: 88.68 ng  
RT: 16.27 min Scan# 2286  
Delta R.T. -0.01 min  
Lab File: BG023855.D  
Acq: 23 Aug 2016 16:16

Tgt Ion:330 Resp: 323071  
Ion Ratio Lower Upper  
330 100  
332 96.1 77.4 116.2  
141 40.5 31.7 47.5

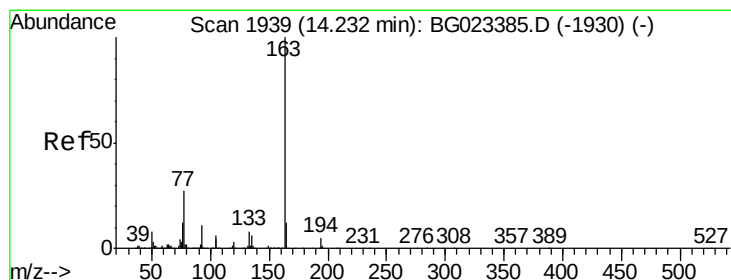
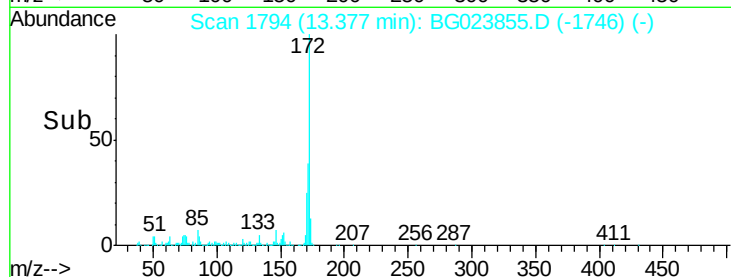
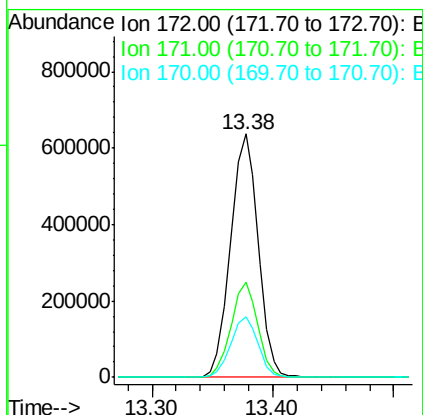
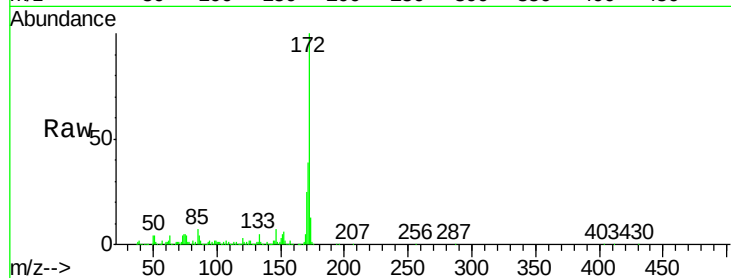




#44  
2-Fluorobiphenyl  
Concen: 68.71 ng  
RT: 13.38 min Scan# 1794  
Delta R.T. -0.02 min  
Lab File: BG023855.D  
Acq: 23 Aug 2016 16:16

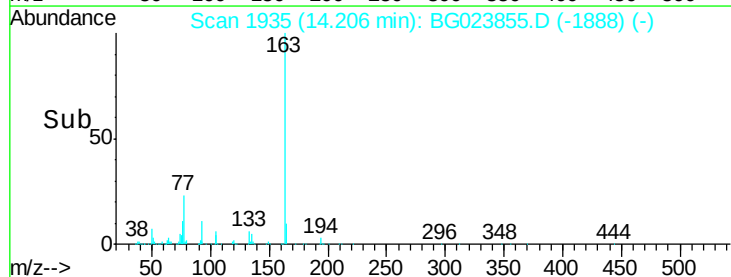
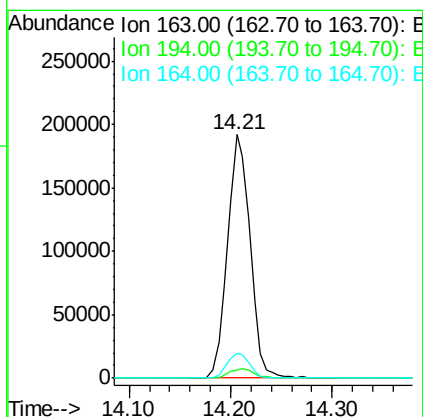
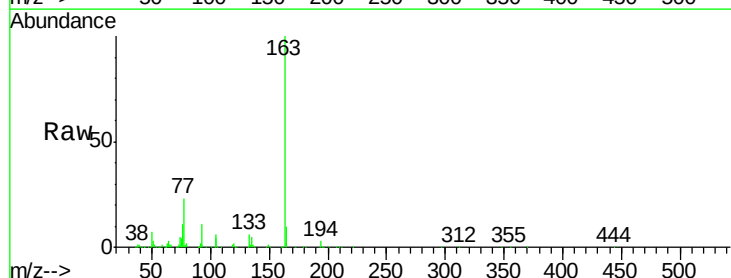
Instrument :  
BNA\_G  
ClientSampleId :  
VITALEFILL-MCMPH3-4

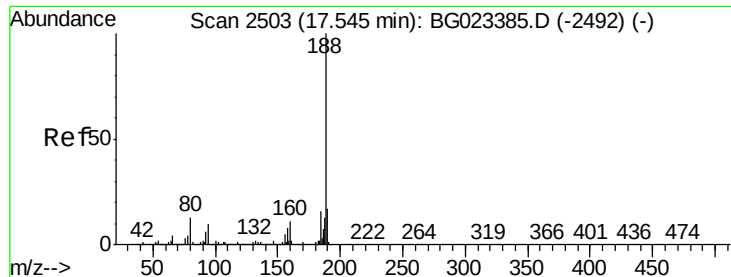
Tgt Ion:172 Resp: 1014632  
Ion Ratio Lower Upper  
172 100  
171 39.3 31.6 47.4  
170 25.1 21.3 31.9



#49  
Dimethylphthalate  
Concen: 15.57 ng  
RT: 14.21 min Scan# 1935  
Delta R.T. -0.03 min  
Lab File: BG023855.D  
Acq: 23 Aug 2016 16:16

Tgt Ion:163 Resp: 297535  
Ion Ratio Lower Upper  
163 100  
194 3.1 3.6 5.4#  
164 9.9 8.1 12.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.52 min Scan# 2500

Delta R.T. -0.02 min

Lab File: BG023855.D

Acq: 23 Aug 2016 16:16

Instrument :

BNA\_G

ClientSampleId :

VITALEFILL-MCMPH3-4

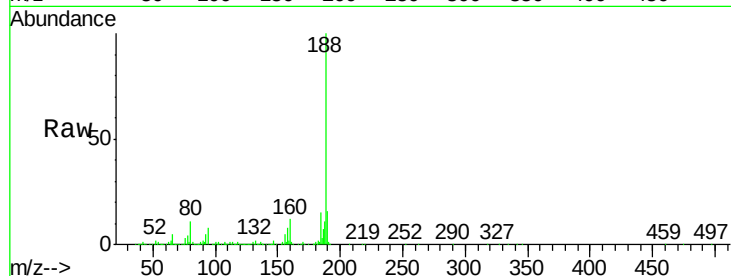
Tgt Ion:188 Resp: 626251

Ion Ratio Lower Upper

188 100

94 8.0 5.2 7.8#

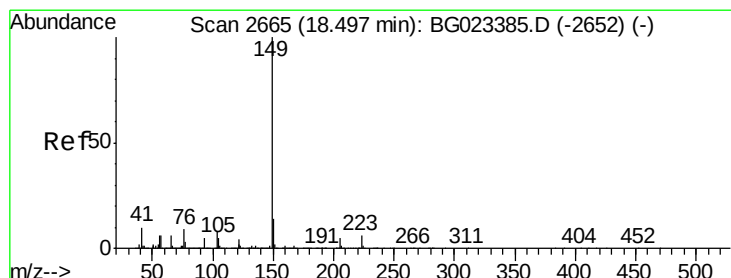
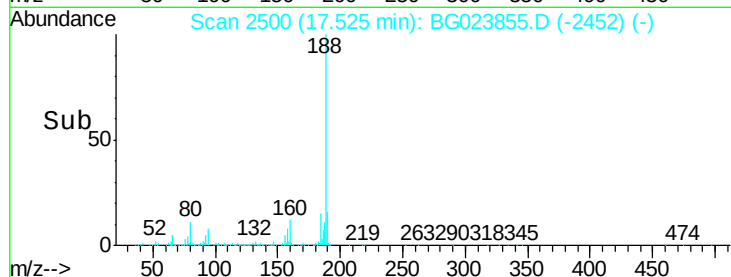
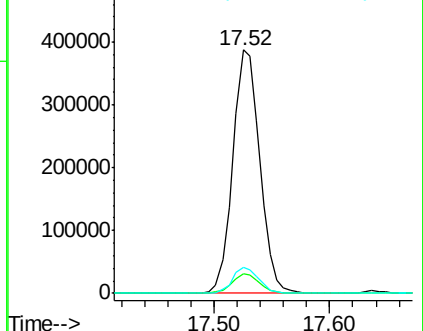
80 10.9 7.2 10.8#



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



#73

Di-n-butylphthalate

Concen: Below Cal

RT: 18.47 min Scan# 2661

Delta R.T. -0.03 min

Lab File: BG023855.D

Acq: 23 Aug 2016 16:16

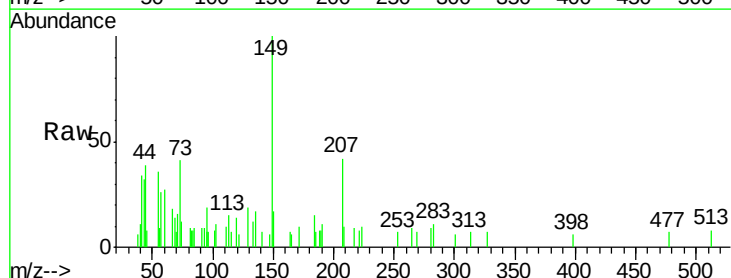
Tgt Ion:149 Resp: 3727

Ion Ratio Lower Upper

149 100

150 17.5 9.1 13.7#

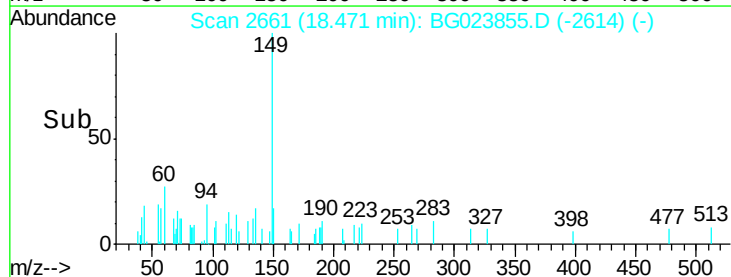
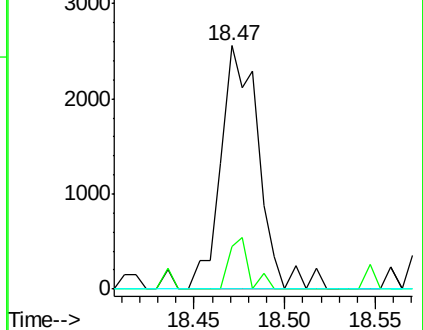
104 0.0 6.9 10.3#



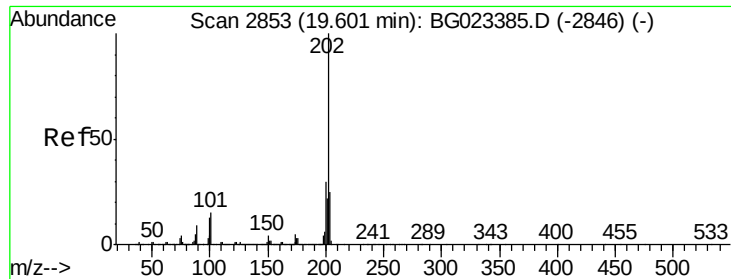
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E







#74

Fluoranthene

Concen: Below Cal

RT: 19.59 min Scan# 2852

Delta R.T. -0.01 min

Lab File: BG023855.D

Acq: 23 Aug 2016 16:16

Instrument :

BNA\_G

ClientSampleId :

VITALEFILL-MCMPH3-4

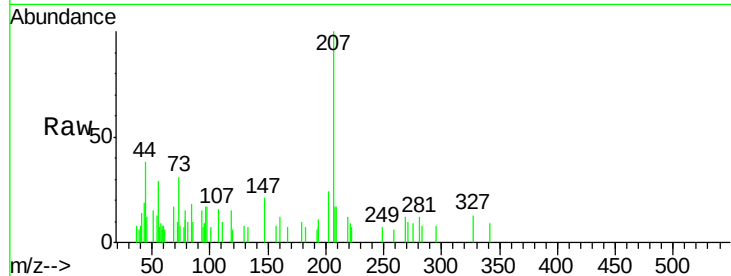
Tgt Ion:202 Resp: 770

Ion Ratio Lower Upper

202 100

101 28.2 0.0 27.4#

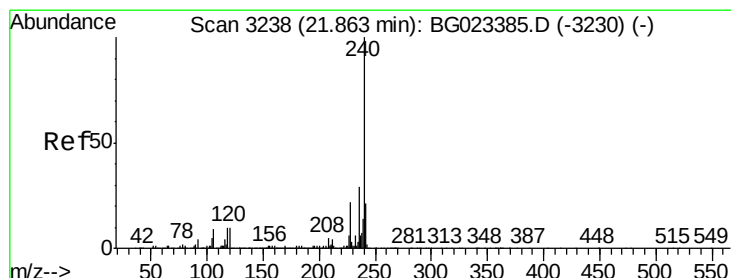
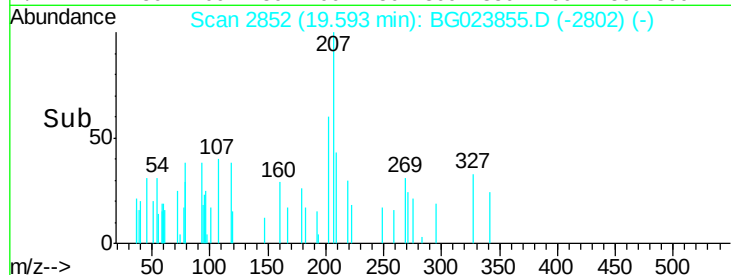
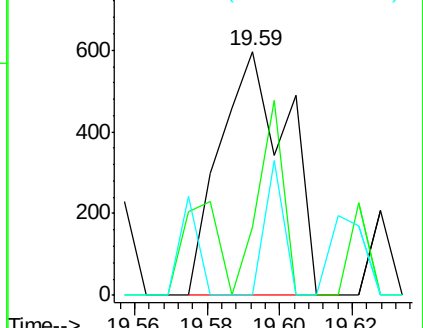
203 0.0 1.7 41.7#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.84 min Scan# 3234

Delta R.T. -0.03 min

Lab File: BG023855.D

Acq: 23 Aug 2016 16:16

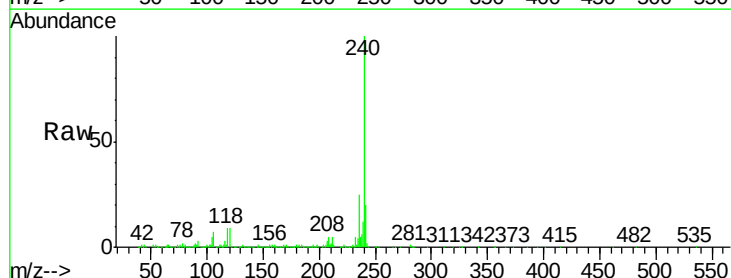
Tgt Ion:240 Resp: 716258

Ion Ratio Lower Upper

240 100

120 8.7 4.1 6.1#

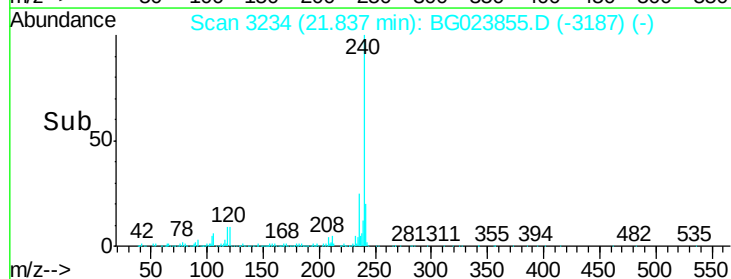
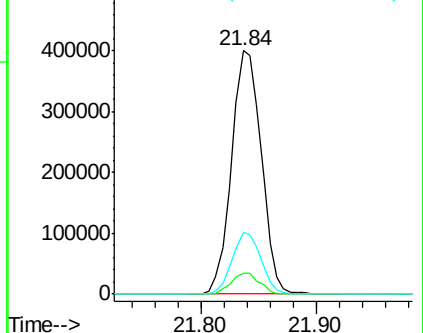
236 25.3 21.1 31.7

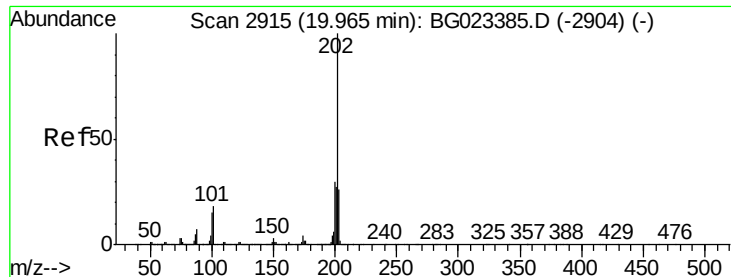


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: Below Cal

RT: 19.96 min Scan# 2914

Delta R.T. -0.01 min

Lab File: BG023855.D

Acq: 23 Aug 2016 16:16

Instrument :

BNA\_G

ClientSampleId :

VITALEFILL-MCMPH3-4

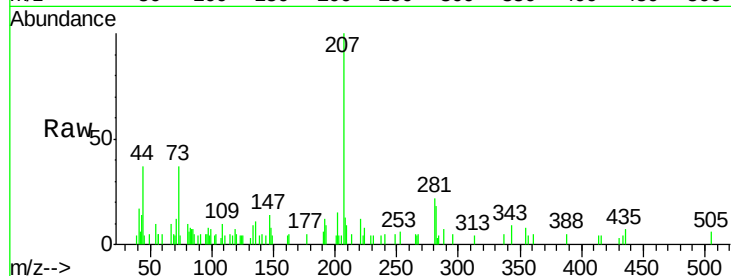
Tgt Ion:202 Resp: 989

Ion Ratio Lower Upper

202 100

200 0.0 21.2 31.8#

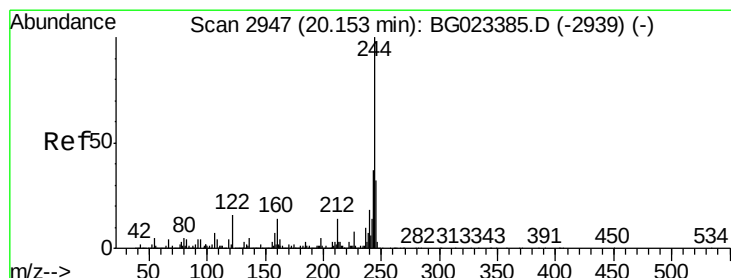
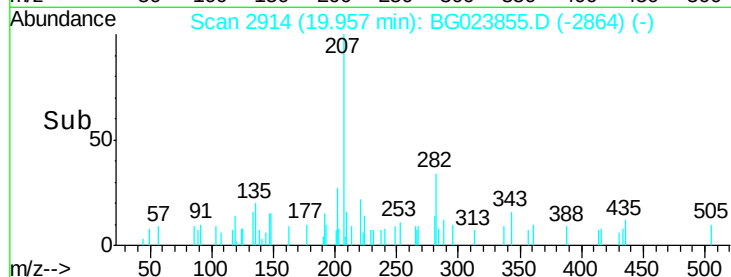
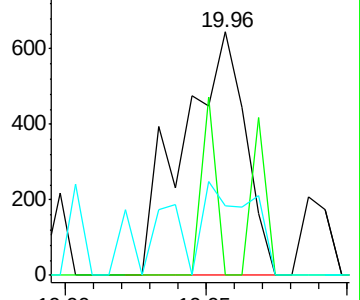
203 28.7 16.8 25.2#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 66.32 ng

RT: 20.13 min Scan# 2944

Delta R.T. -0.02 min

Lab File: BG023855.D

Acq: 23 Aug 2016 16:16

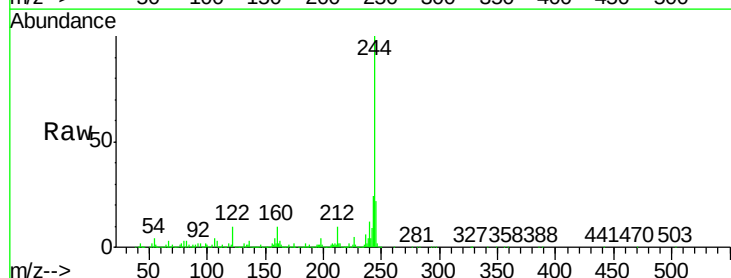
Tgt Ion:244 Resp: 1614210

Ion Ratio Lower Upper

244 100

212 10.0 10.8 16.2#

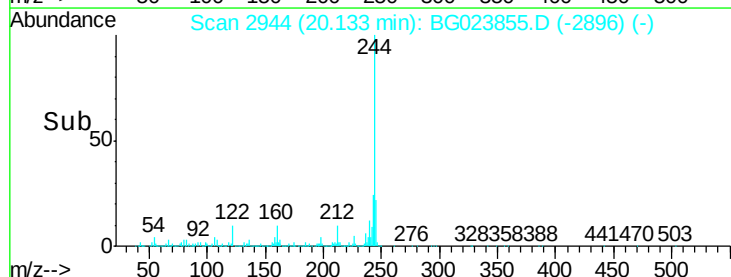
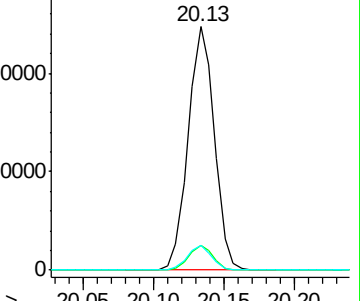
122 10.3 8.0 12.0

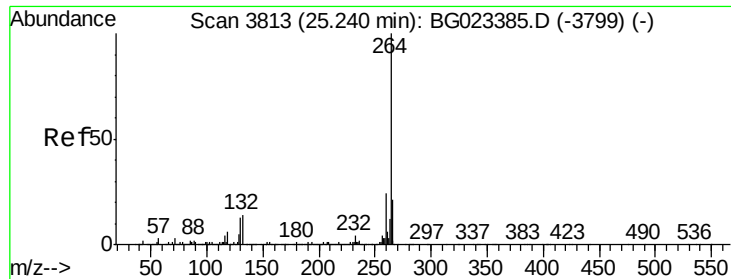


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 25.22 min Scan# 3810  
Delta R.T. -0.02 min  
Lab File: BG023855.D  
Acq: 23 Aug 2016 16:16

Instrument :  
BNA\_G  
ClientSampleId :  
VITALEFILL-MCMPH3-4

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 707451 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.7  | 18.4  | 27.6   |
| 265      | 21.5  | 18.9  | 28.3   |

