

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG093016\  
 Data File : BG024183.D  
 Acq On : 1 Oct 2016 6:24  
 Operator : UM/SJ  
 Sample : H5023-11  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-AREA-B-1-09272016

Quant Time: Oct 03 00:55:19 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG092316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 23 15:35:28 2016  
 Response via : Initial Calibration

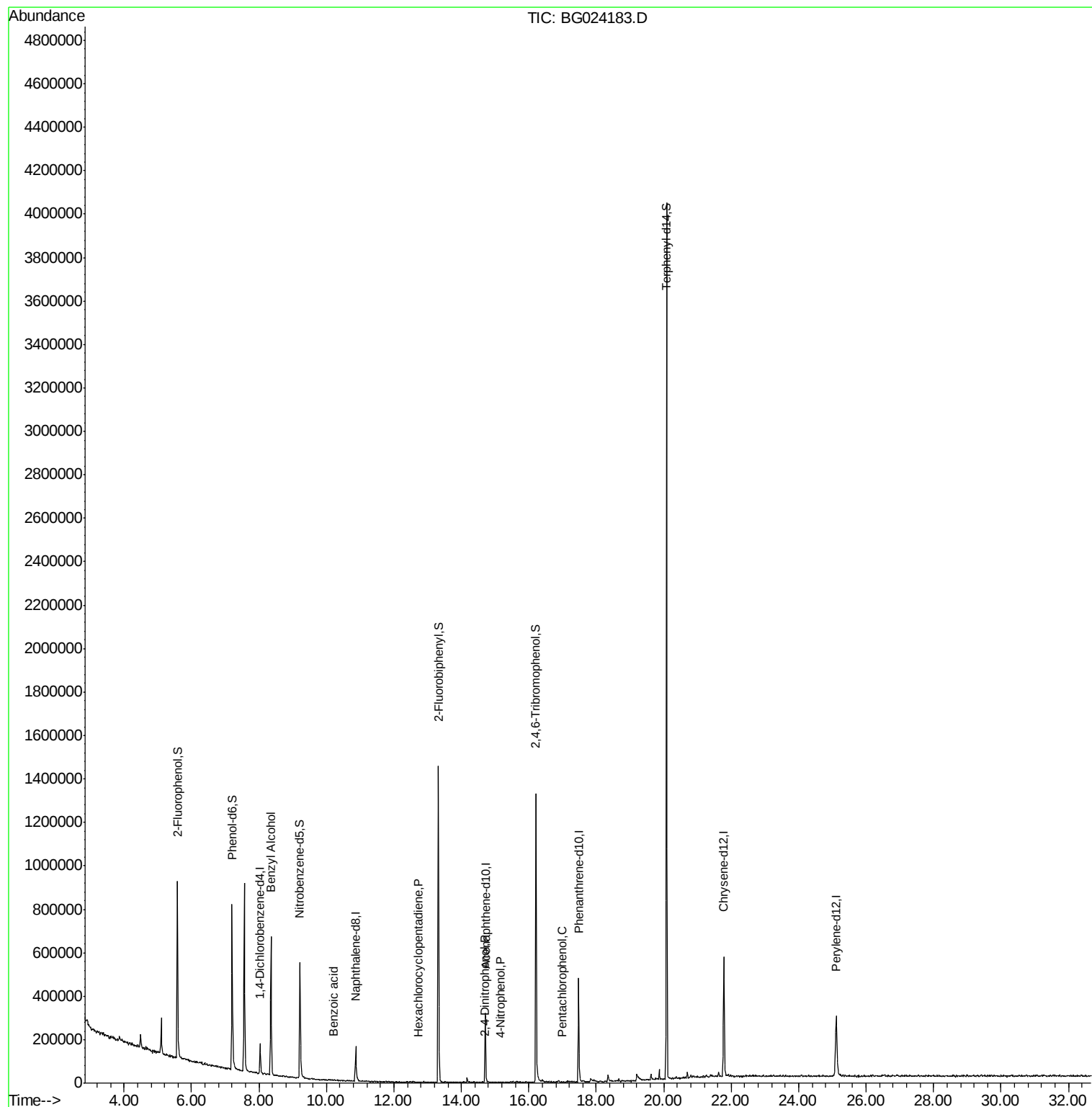
| Internal Standards            | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4     | 8.03  | 152  | 34375    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.87 | 136  | 145066   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10          | 14.71 | 164  | 113708   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10          | 17.48 | 188  | 302923   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12              | 21.78 | 240  | 373356   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12              | 25.11 | 264  | 312513   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds   |       |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.58  | 112  | 327853   | 165.23 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.20  | 99   | 438262   | 131.27 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.21  | 82   | 369749   | 100.46 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol      | 16.21 | 330  | 233022   | 142.57 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl          | 13.32 | 172  | 708108   | 104.68 | ng    | -0.01    |
| 78) Terphenyl-d14             | 20.08 | 244  | 1568818  | 86.04  | ng    | -0.01    |
| Target Compounds              |       |      |          |        |       |          |
| 15) Benzyl Alcohol            | 8.35  | 79   | 6511     | 2.02   | ng    | # 60     |
| 32) Benzoic acid              | 10.22 | 122  | 57       | 2.19   | ng    | # 1      |
| 40) Hexachlorocyclopentadiene | 12.73 | 237  | 57       | 3.63   | ng    | # 26     |
| 53) 2,4-Dinitrophenol         | 14.67 | 184  | 69       | 2.52   | ng    | # 10     |
| 55) 4-Nitrophenol             | 15.16 | 139  | 85       | 5.40   | ng    | # 1      |
| 69) Pentachlorophenol         | 16.99 | 266  | 69       | 3.60   | ng    | # 18     |

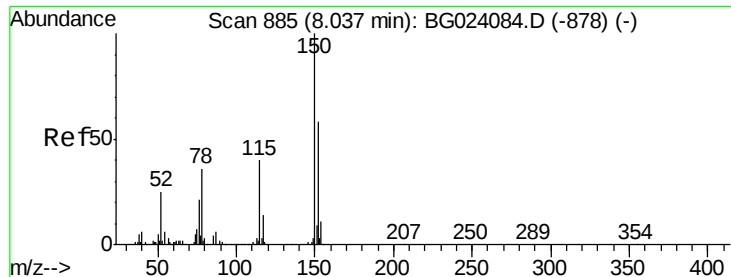
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.03 min Scan# 884

Delta R.T. -0.01 min

Lab File: BG024183.D

Acq: 1 Oct 2016 6:24

Instrument :

BNA\_G

ClientSampleId :

WC-AREA-B-1-09272016

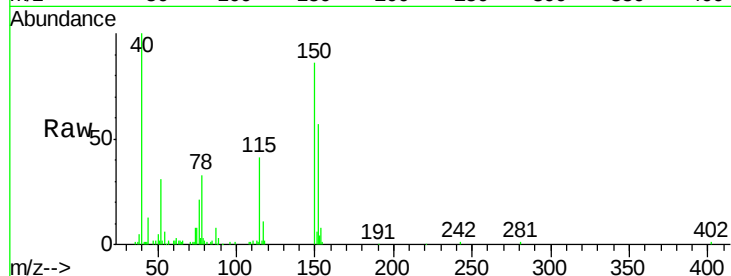
Tgt Ion:152 Resp: 34375

Ion Ratio Lower Upper

152 100

150 152.0 144.7 217.1

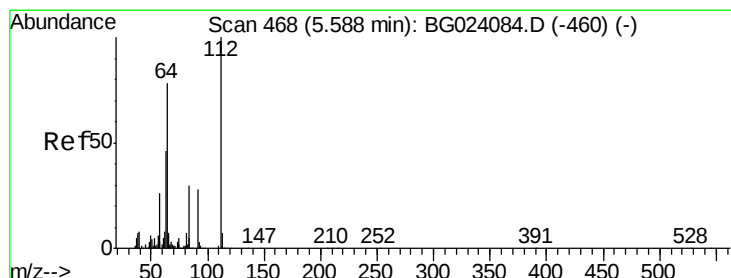
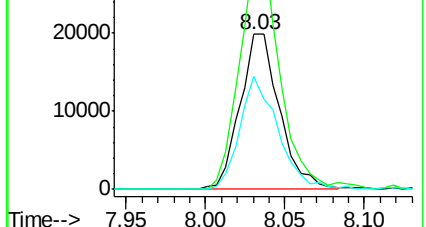
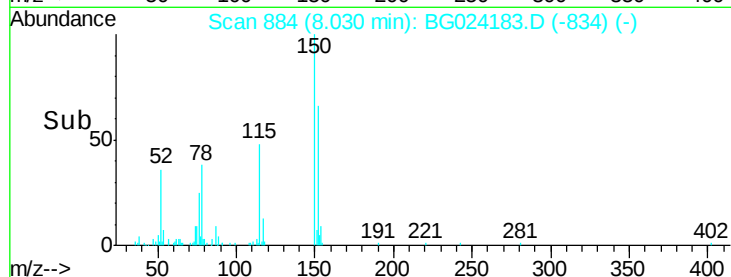
115 73.1 64.0 96.0



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: 165.23 ng

RT: 5.58 min Scan# 467

Delta R.T. -0.01 min

Lab File: BG024183.D

Acq: 1 Oct 2016 6:24

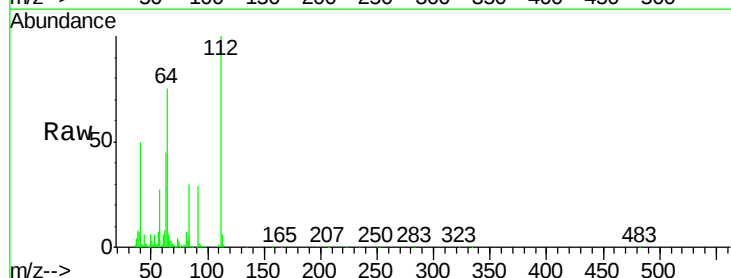
Tgt Ion:112 Resp: 327853

Ion Ratio Lower Upper

112 100

64 75.5 59.0 88.4

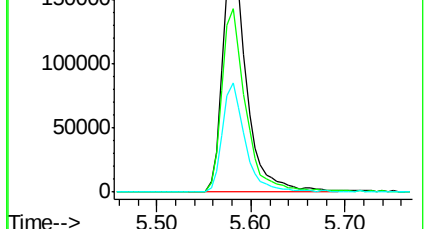
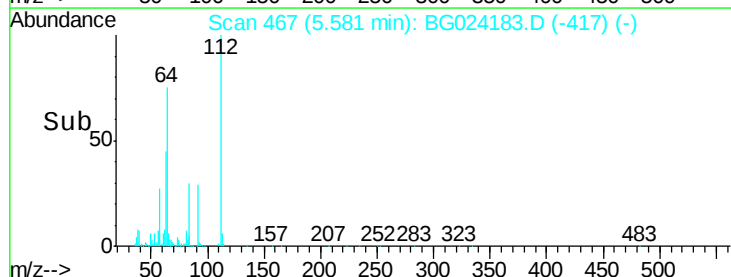
63 44.9 37.8 56.8

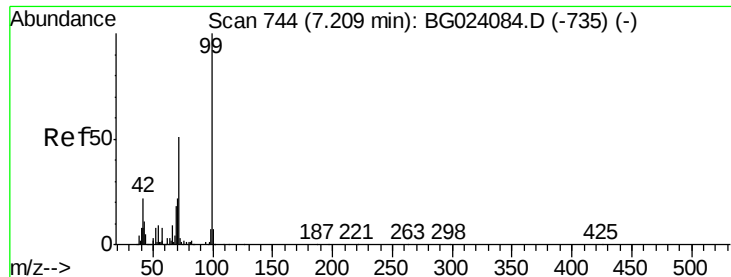


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 131.27 ng

RT: 7.20 min Scan# 743

Delta R.T. -0.01 min

Lab File: BG024183.D

Acq: 1 Oct 2016 6:24

Instrument :

BNA\_G

ClientSampleId :

WC-AREA-B-1-09272016

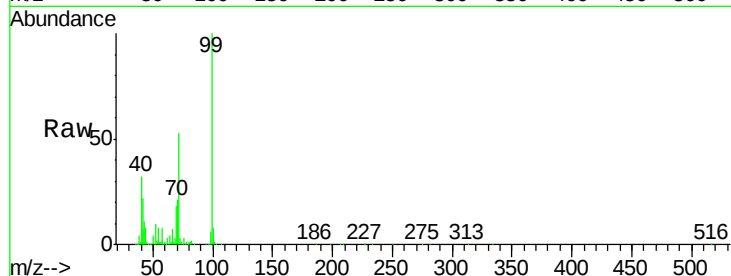
Tgt Ion: 99 Resp: 438262

Ion Ratio Lower Upper

99 100

42 21.9 17.8 26.6

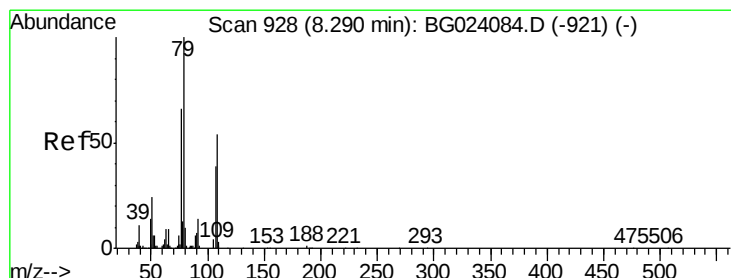
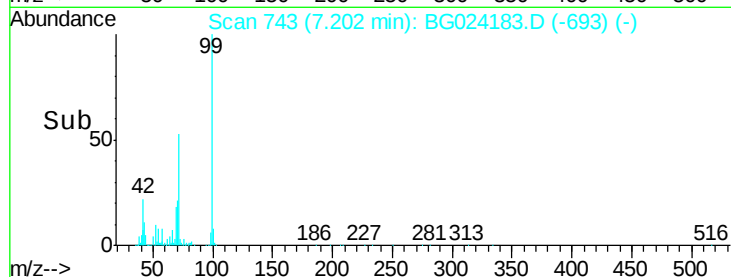
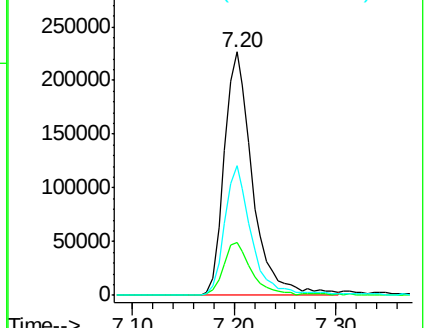
71 53.1 41.5 62.3



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



#15

Benzyl Alcohol

Concen: 2.02 ng

RT: 8.35 min Scan# 938

Delta R.T. 0.06 min

Lab File: BG024183.D

Acq: 1 Oct 2016 6:24

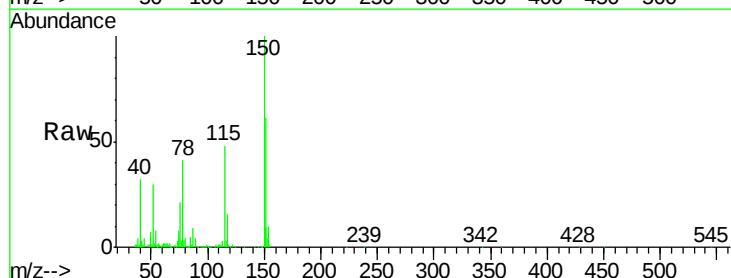
Tgt Ion: 79 Resp: 6511

Ion Ratio Lower Upper

79 100

108 34.3 46.5 69.7#

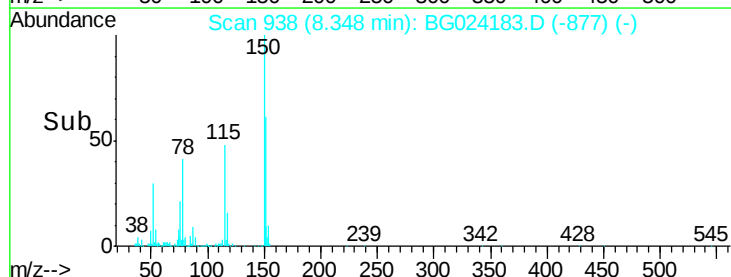
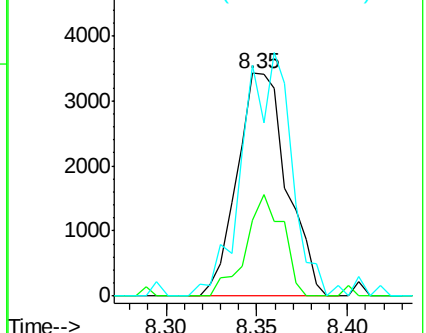
77 103.4 52.3 78.5#

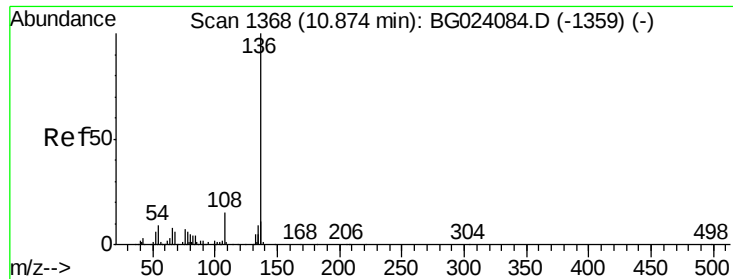


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

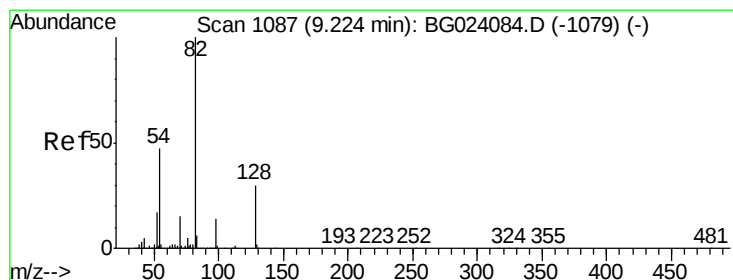
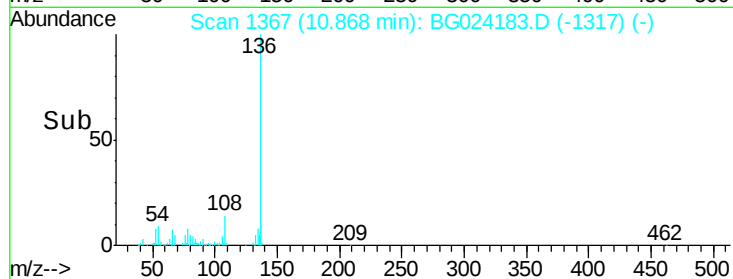
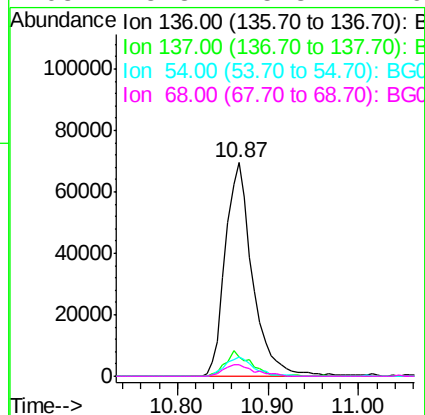
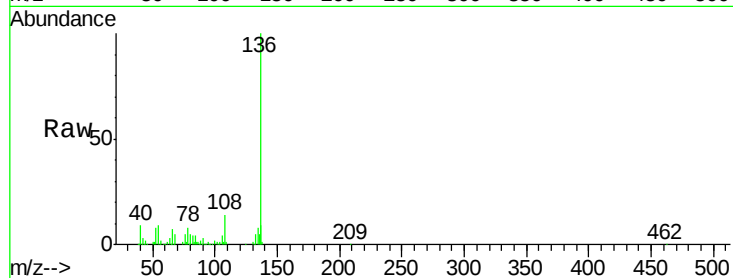




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.87 min Scan# 1367  
Delta R.T. -0.01 min  
Lab File: BG024183.D  
Acq: 1 Oct 2016 6:24

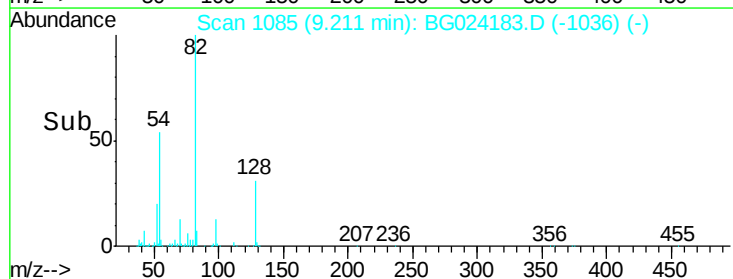
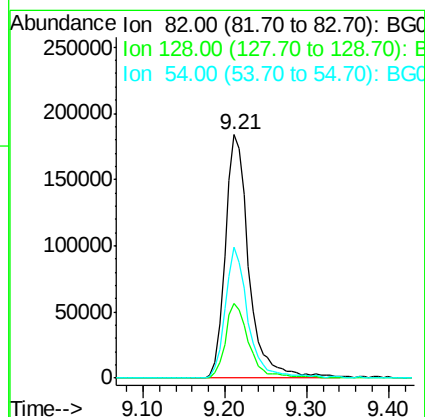
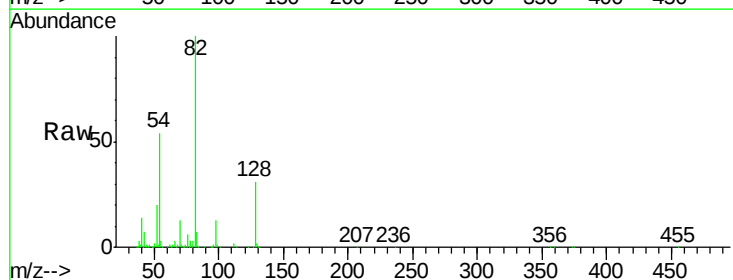
Instrument :  
BNA\_G  
ClientSampleId :  
WC-AREA-B-1-09272016

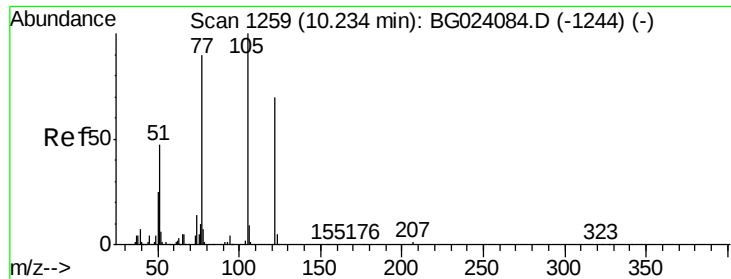
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 145066 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 9.2   | 9.6   | 14.4#  |
| 54       | 9.1   | 7.3   | 10.9   |
| 68       | 5.3   | 5.3   | 7.9    |



#23  
Nitrobenzene-d5  
Concen: 100.46 ng  
RT: 9.21 min Scan# 1085  
Delta R.T. -0.01 min  
Lab File: BG024183.D  
Acq: 1 Oct 2016 6:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 369749 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 30.8  | 24.4  | 36.6   |
| 54       | 53.6  | 41.4  | 62.0   |





#32

Benzoic acid

Concen: 2.19 ng

RT: 10.22 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BG024183.D

Acq: 1 Oct 2016 6:24

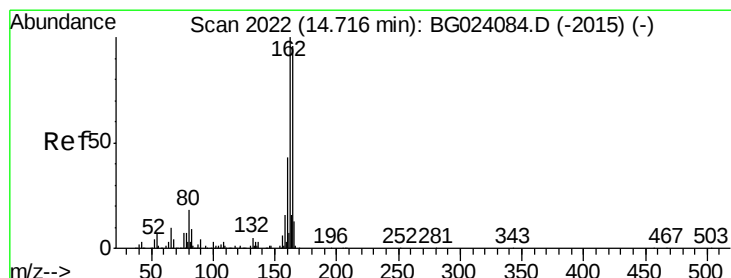
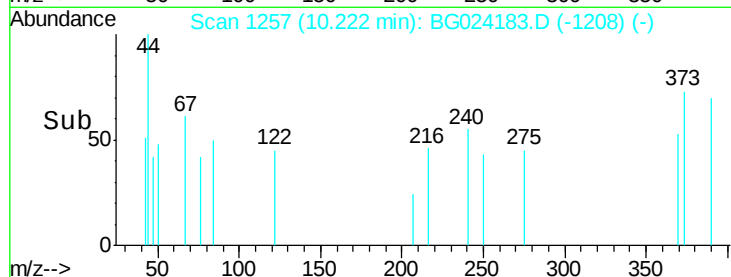
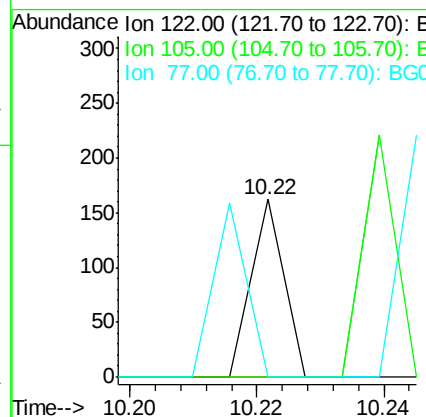
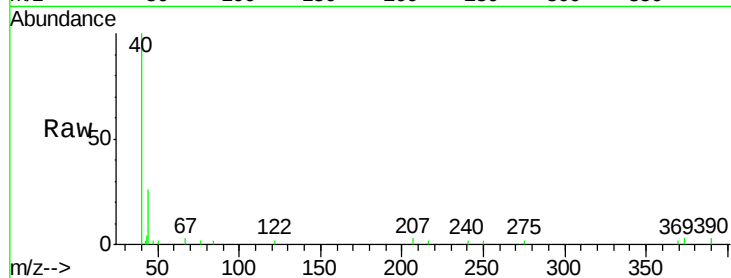
Instrument :

BNA\_G

ClientSampleId :

WC-AREA-B-1-09272016

| 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

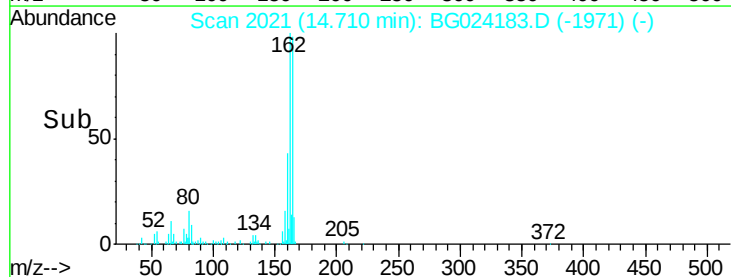
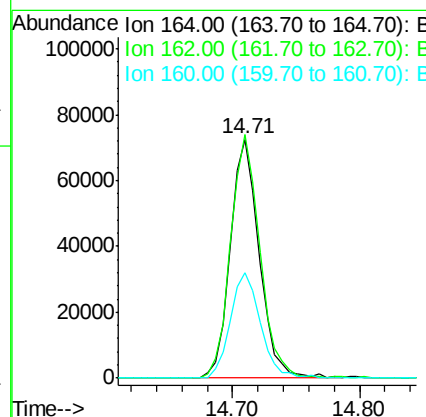
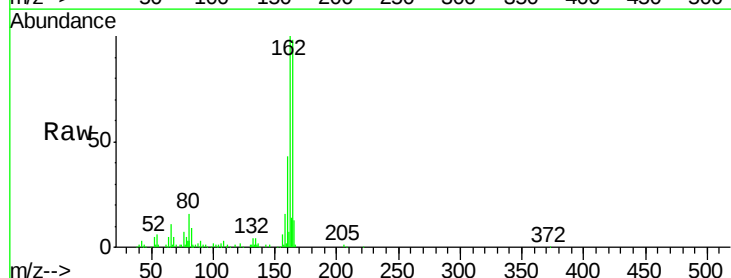
RT: 14.71 min Scan# 2021

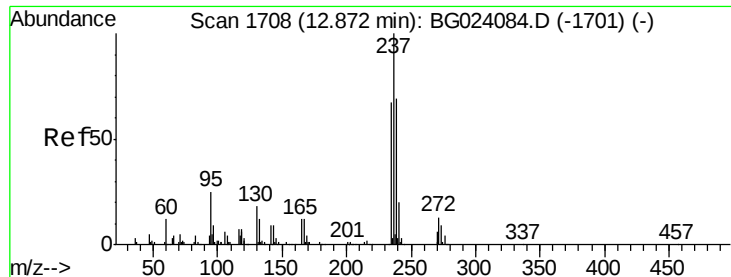
Delta R.T. -0.01 min

Lab File: BG024183.D

Acq: 1 Oct 2016 6:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.9 | 87.7  | 131.5 |
| 160     | 44.1  | 37.2  | 55.8  |





#40

Hexachlorocyclopentadiene

Concen: 3.63 ng

RT: 12.73 min Scan# 1684

Delta R.T. -0.14 min

Lab File: BG024183.D

Acq: 1 Oct 2016 6:24

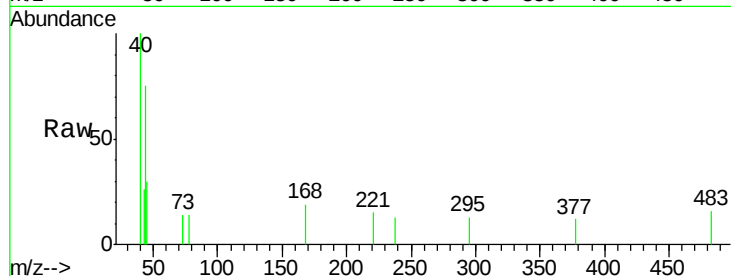
Instrument :

BNA\_G

ClientSampleId :

WC-AREA-B-1-09272016

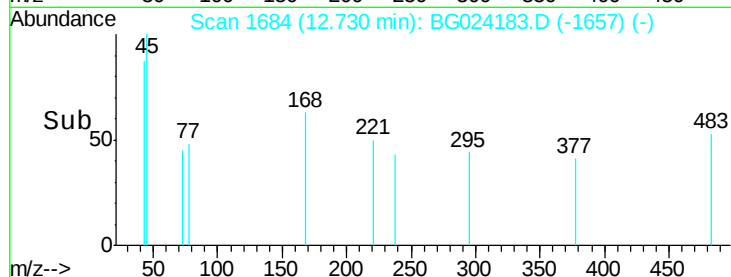
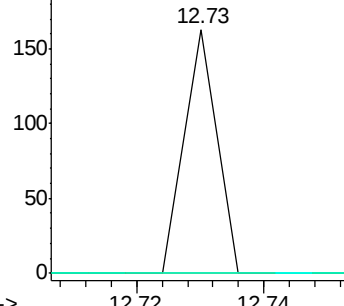
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 237   | Resp: | 57    |
| Ion      | Ratio | Lower | Upper |
| 237      | 100   |       |       |
| 235      | 0.0   | 43.1  | 83.1# |
| 272      | 0.0   | 0.0   | 30.9  |



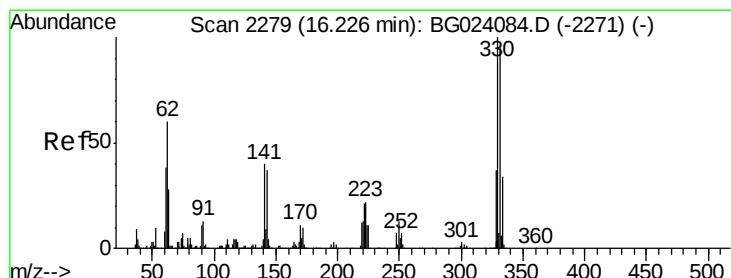
Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



Time-->



#41

2,4,6-Tribromophenol

Concen: 142.57 ng

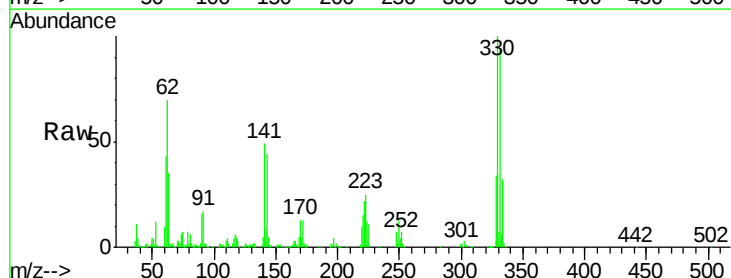
RT: 16.21 min Scan# 2277

Delta R.T. -0.01 min

Lab File: BG024183.D

Acq: 1 Oct 2016 6:24

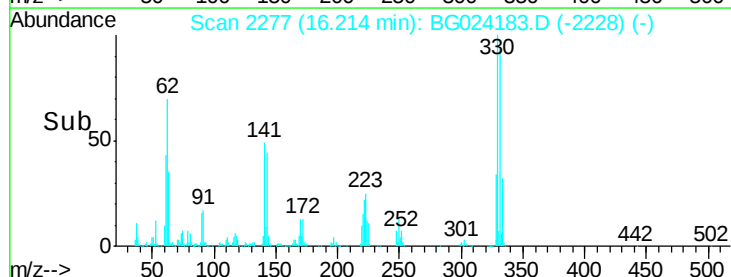
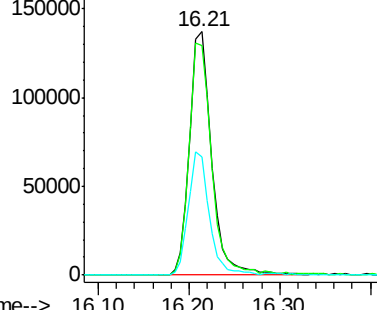
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 330   | Resp: | 233022 |
| Ion      | Ratio | Lower | Upper  |
| 330      | 100   |       |        |
| 332      | 96.7  | 77.4  | 116.2  |
| 141      | 47.6  | 31.7  | 47.5#  |



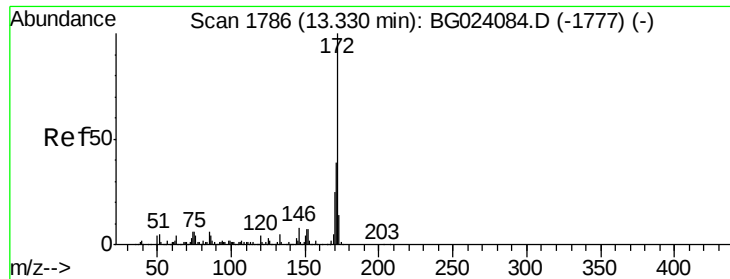
Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



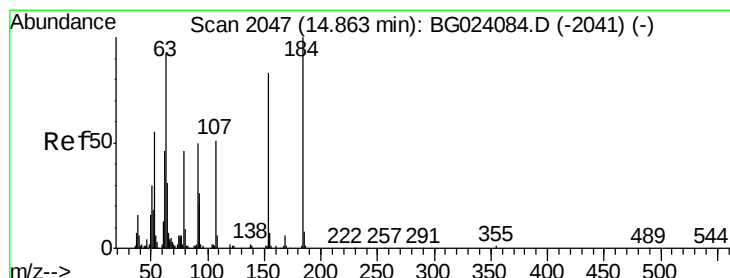
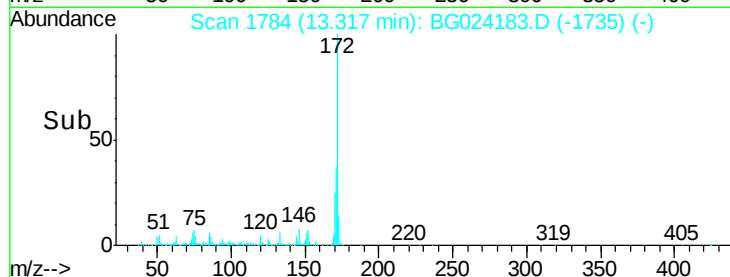
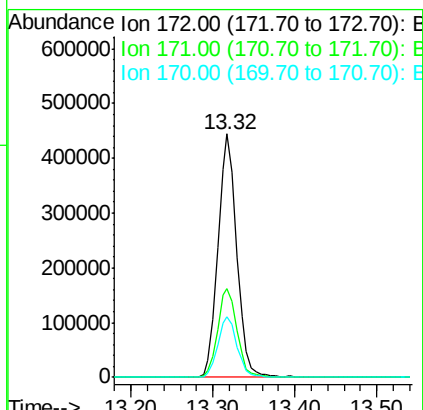
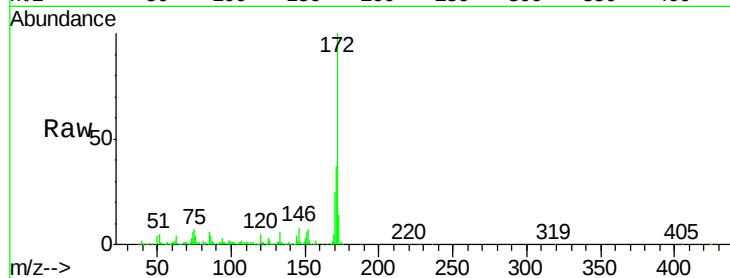
Time-->



#44  
2-Fluorobiphenyl  
Concen: 104.68 ng  
RT: 13.32 min Scan# 1784  
Delta R.T. -0.01 min  
Lab File: BG024183.D  
Acq: 1 Oct 2016 6:24

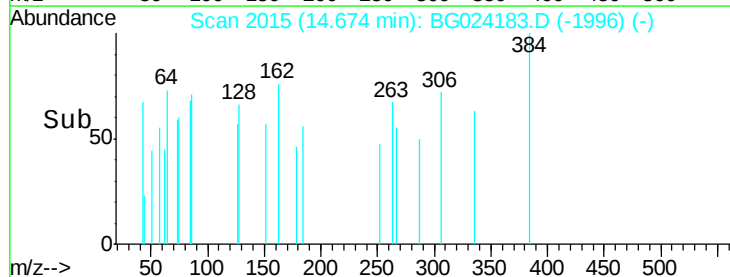
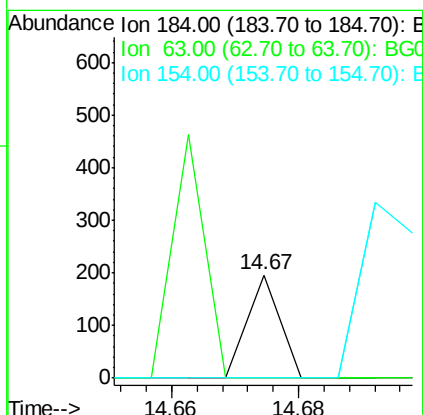
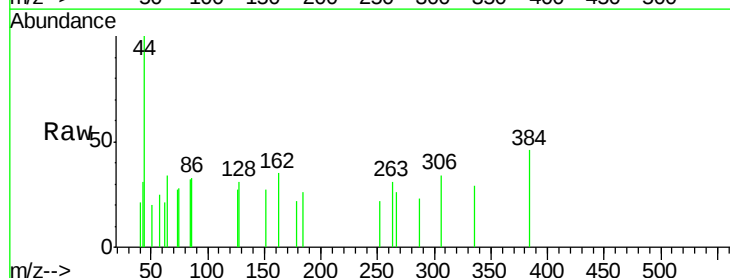
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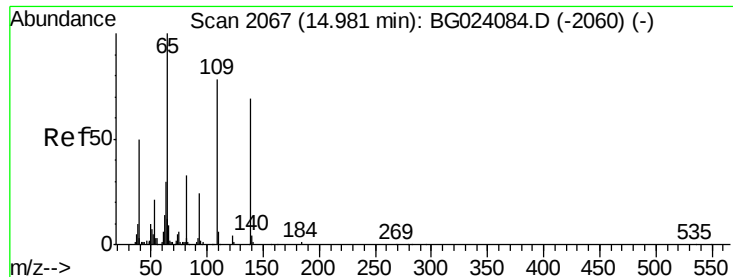
Tgt Ion:172 Resp: 708108  
Ion Ratio Lower Upper  
172 100  
171 36.6 31.6 47.4  
170 24.7 21.3 31.9



#53  
2,4-Dinitrophenol  
Concen: 2.52 ng  
RT: 14.67 min Scan# 2015  
Delta R.T. -0.19 min  
Lab File: BG024183.D  
Acq: 1 Oct 2016 6:24

Tgt Ion:184 Resp: 69  
Ion Ratio Lower Upper  
184 100  
63 0.0 59.6 89.4#  
154 0.0 67.4 101.0#

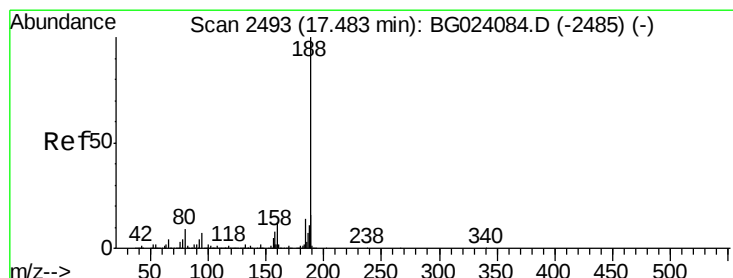
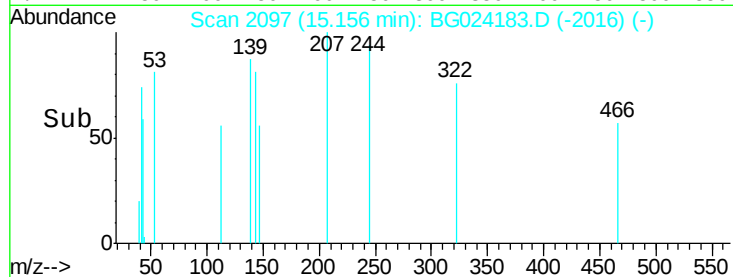
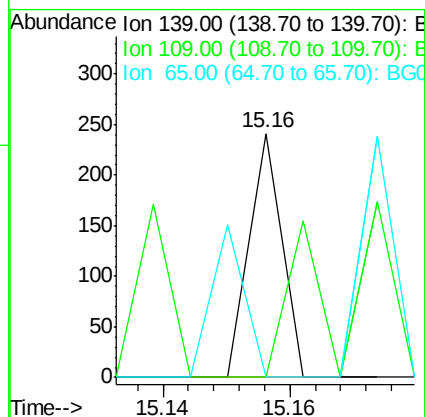
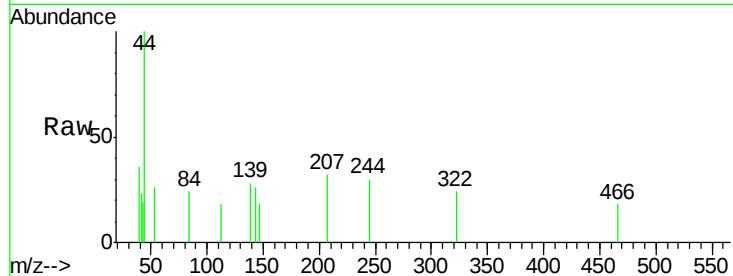




#55  
4-Nitrophenol  
Concen: 5.40 ng  
RT: 15.16 min Scan# 2097  
Delta R.T. 0.18 min  
Lab File: BG024183.D  
Acq: 1 Oct 2016 6:24

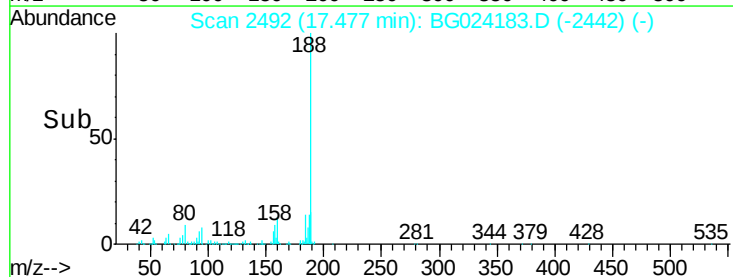
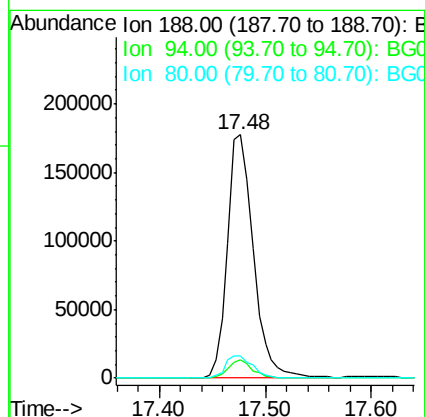
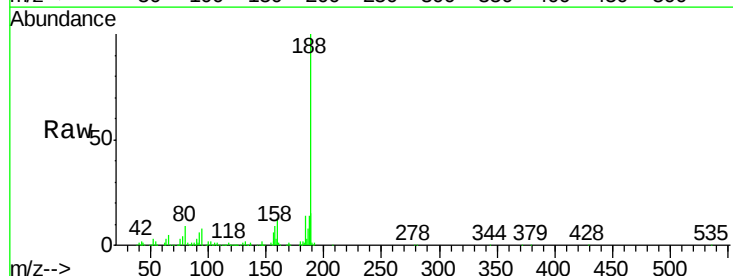
Instrument :  
BNA\_G  
ClientSampleId :  
WC-AREA-B-1-09272016

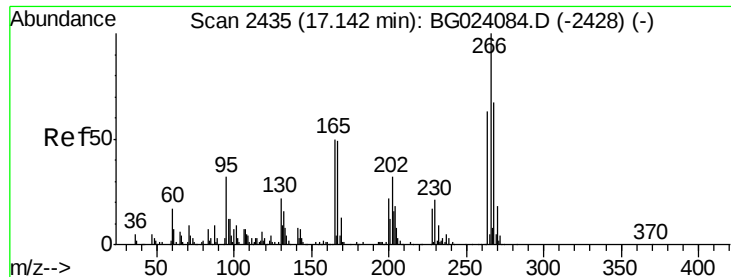
| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 139     | 100   |       |        |
| 109     | 0.0   | 103.0 | 143.0# |
| 65      | 0.0   | 112.7 | 152.7# |



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.48 min Scan# 2492  
Delta R.T. -0.01 min  
Lab File: BG024183.D  
Acq: 1 Oct 2016 6:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.6   | 5.2   | 7.8   |
| 80      | 9.3   | 7.2   | 10.8  |

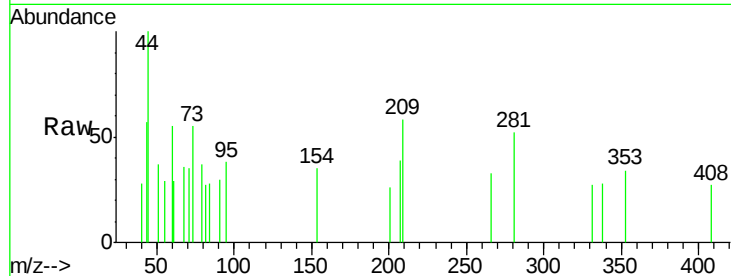




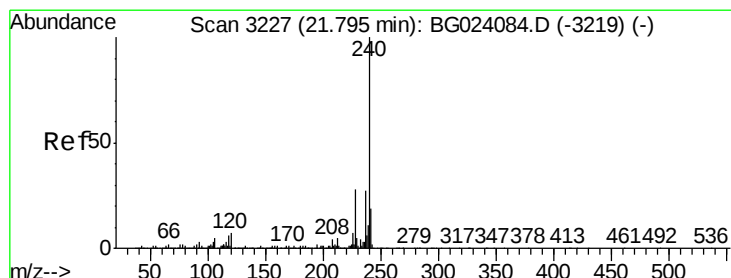
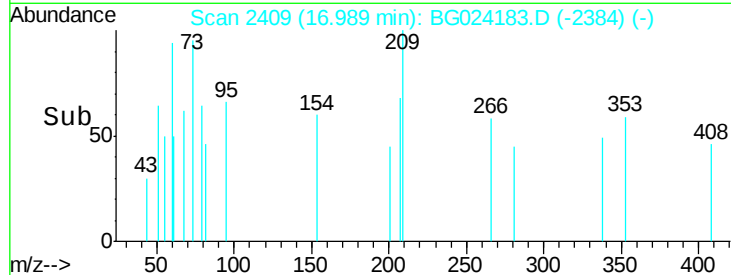
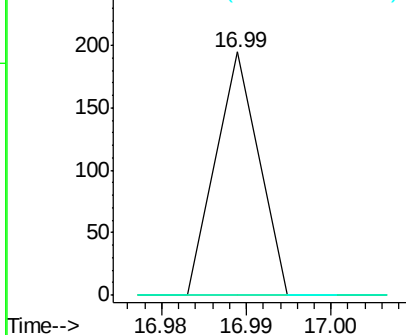
#69  
 Pentachlorophenol  
 Concen: 3.60 ng  
 RT: 16.99 min Scan# 2409  
 Delta R.T. -0.15 min  
 Lab File: BG024183.D  
 Acq: 1 Oct 2016 6:24

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-AREA-B-1-09272016

Tgt Ion: 266 Resp: 69  
 Ion Ratio Lower Upper  
 266 100  
 268 0.0 51.9 77.9#  
 264 0.0 50.6 75.8#

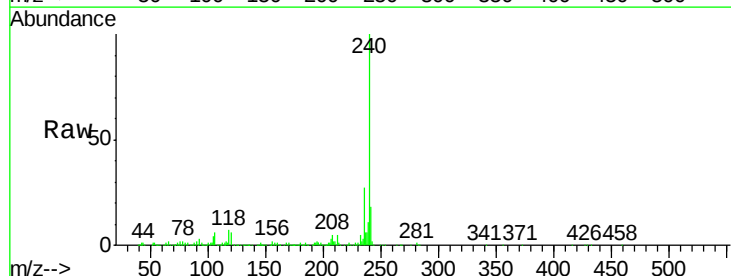


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

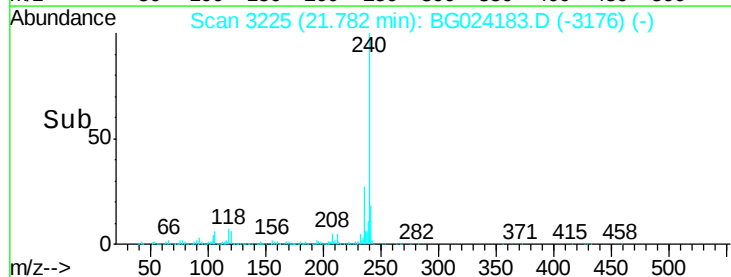
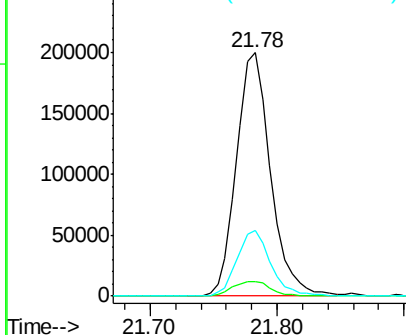


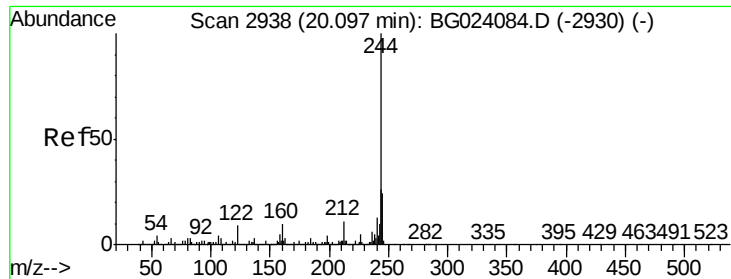
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 21.78 min Scan# 3225  
 Delta R.T. -0.01 min  
 Lab File: BG024183.D  
 Acq: 1 Oct 2016 6:24

Tgt Ion: 240 Resp: 373356  
 Ion Ratio Lower Upper  
 240 100  
 120 6.1 4.1 6.1  
 236 26.9 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





#78

Terphenyl-d14

Concen: 86.04 ng

RT: 20.08 min Scan# 2936

Delta R.T. -0.01 min

Lab File: BG024183.D

Acq: 1 Oct 2016 6:24

Instrument :

BNA\_G

ClientSampleId :

WC-AREA-B-1-09272016

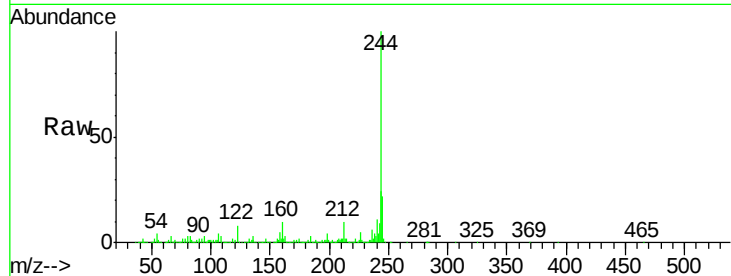
Tgt Ion:244 Resp: 1568818

Ion Ratio Lower Upper

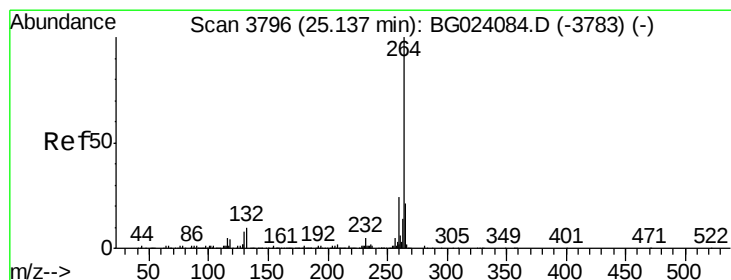
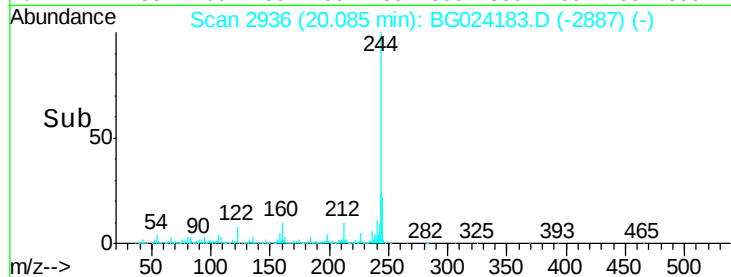
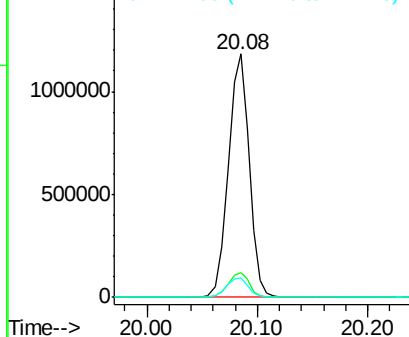
244 100

212 10.3 10.8 16.2#

122 8.2 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: 25.11 min Scan# 3792

Delta R.T. -0.02 min

Lab File: BG024183.D

Acq: 1 Oct 2016 6:24

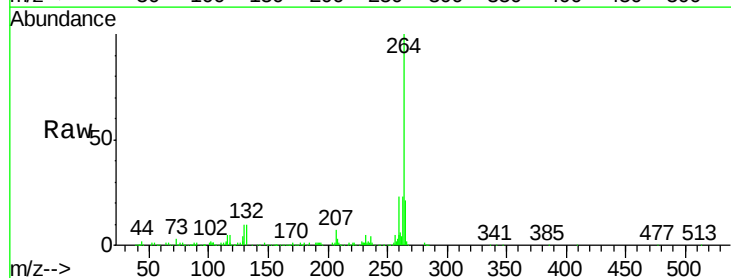
Tgt Ion:264 Resp: 312513

Ion Ratio Lower Upper

264 100

260 23.4 18.4 27.6

265 20.8 18.9 28.3



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

