

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG010917\  
 Data File : BG025445.D  
 Acq On : 10 Jan 2017 00:43  
 Operator : UM/SJ  
 Sample : I1056-01  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 W-17

Quant Time: Jan 10 04:22:32 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 21 18:42:01 2016  
 Response via : Initial Calibration

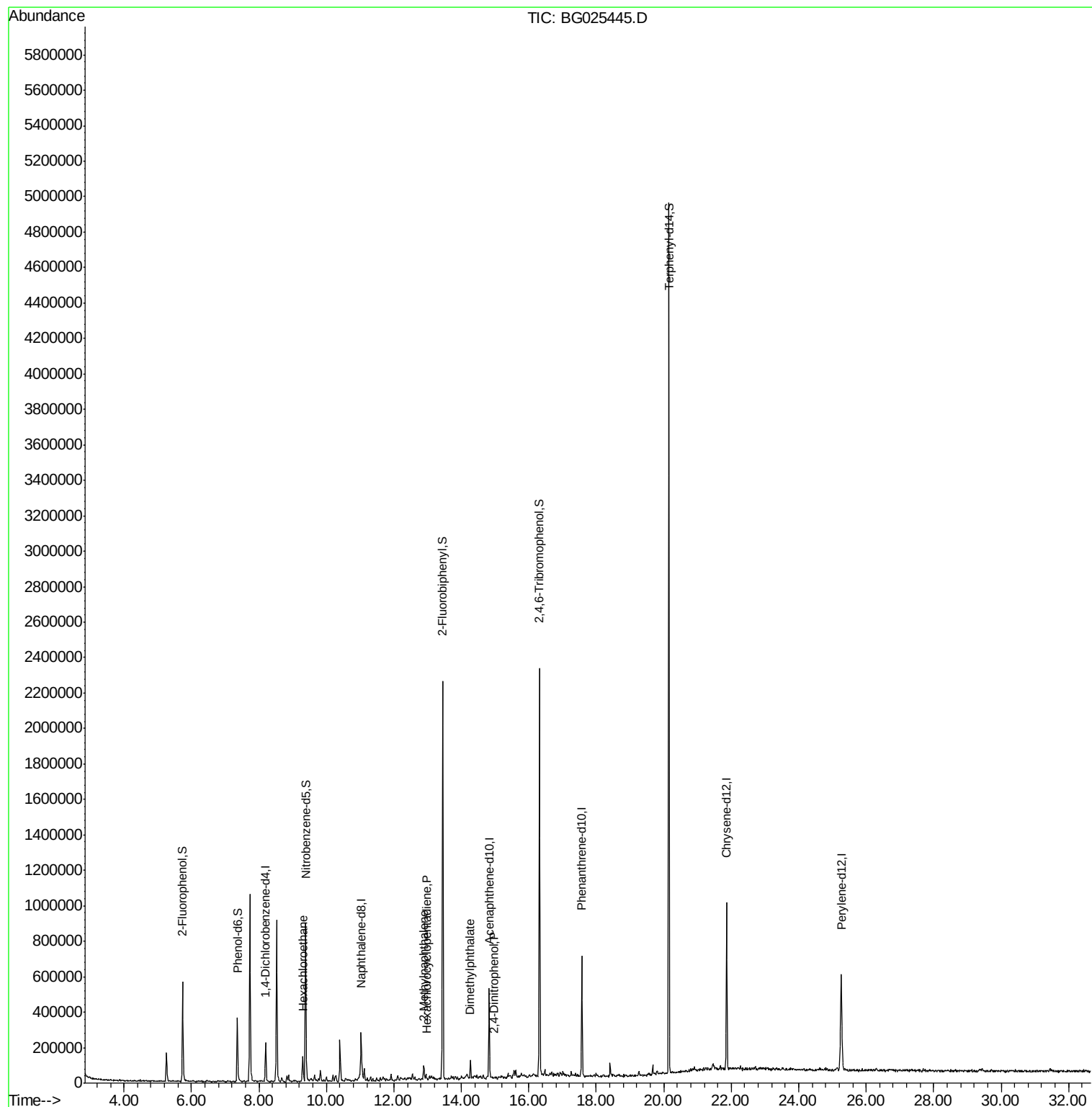
| Internal Standards            | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4     | 8.20  | 152  | 56667    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8            | 11.03 | 136  | 223999   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10          | 14.83 | 164  | 187406   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10          | 17.57 | 188  | 426427   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12              | 21.86 | 240  | 630379   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12              | 25.26 | 264  | 673201   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds   |       |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.74  | 112  | 225088   | 72.20  | ng    | -0.01    |
| 7) Phenol-d6                  | 7.36  | 99   | 204239   | 46.52  | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 9.39  | 82   | 512816   | 101.14 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol      | 16.31 | 330  | 431890   | 143.15 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl          | 13.45 | 172  | 1094510  | 94.55  | ng    | -0.01    |
| 78) Terphenyl-d14             | 20.15 | 244  | 2102136  | 88.42  | ng    | -0.01    |
| Target Compounds              |       |      |          |        |       |          |
| 18) Hexachloroethane          | 9.30  | 117  | 29435    | 17.38  | ng    | # 8      |
| 37) 2-Methylnaphthalene       | 12.89 | 142  | 36795    | 4.44   | ng    | 91       |
| 40) Hexachlorocyclopentadiene | 12.99 | 237  | 101      | 8.55   | ng    | # 13     |
| 49) Dimethylphthalate         | 14.27 | 163  | 63113    | 4.62   | ng    | 100      |
| 53) 2,4-Dinitrophenol         | 14.97 | 184  | 88       | 5.12   | ng    | # 15     |

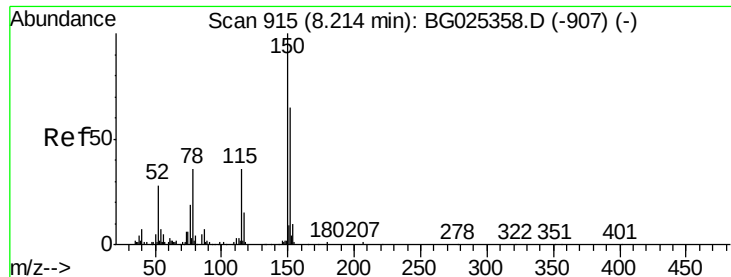
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 10 04:22:32 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 21 18:42:01 2016  
Response via : Initial Calibration



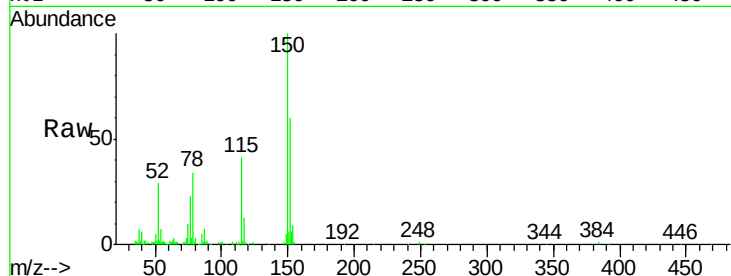


#1

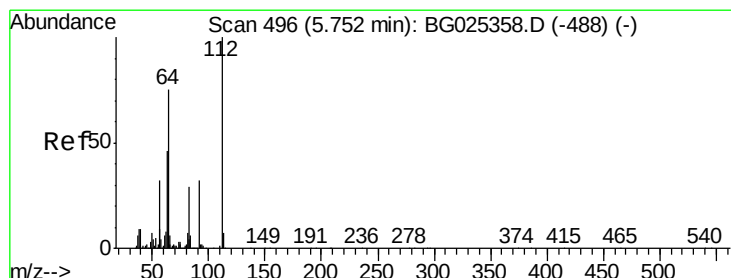
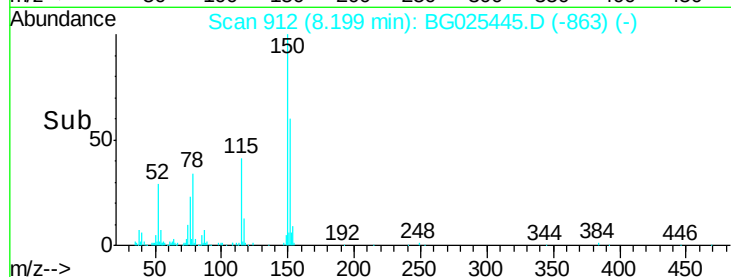
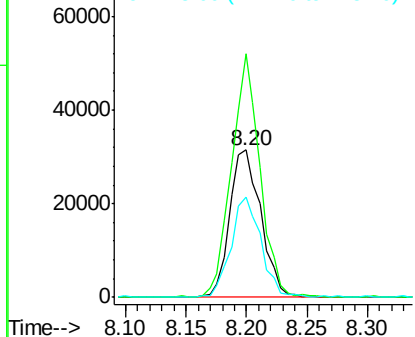
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.20 min Scan# 912  
Delta R.T. -0.01 min  
Lab File: BG025445.D  
Acq: 10 Jan 2017 00:43

Instrument :  
BNA\_G  
ClientSampleId :  
W-17

Tgt Ion:152 Resp: 56667  
Ion Ratio Lower Upper  
152 100  
150 165.4 114.0 171.0  
115 68.5 48.1 72.1



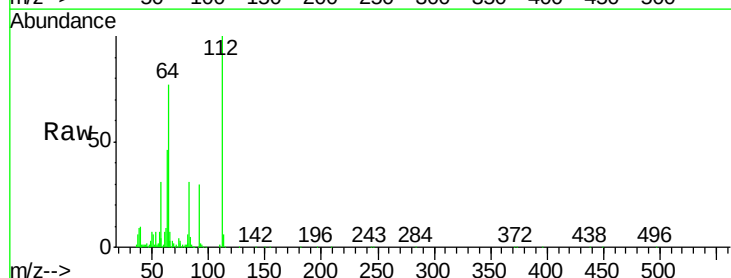
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



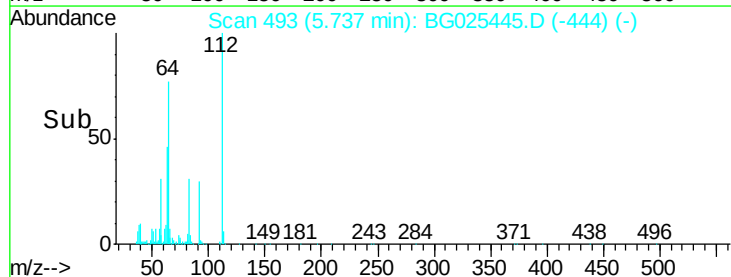
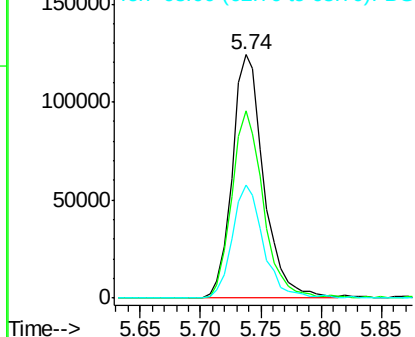
#5

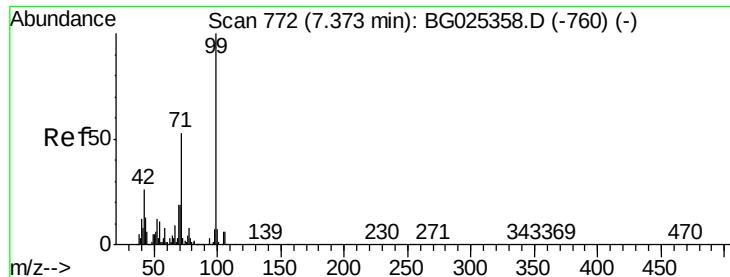
2-Fluorophenol  
Concen: 72.20 ng  
RT: 5.74 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: BG025445.D  
Acq: 10 Jan 2017 00:43

Tgt Ion:112 Resp: 225088  
Ion Ratio Lower Upper  
112 100  
64 76.8 61.8 92.6  
63 46.4 37.2 55.8



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: 46.52 ng

RT: 7.36 min Scan# 769

Delta R.T. -0.01 min

Lab File: BG025445.D

Acq: 10 Jan 2017 00:43

Instrument :

BNA\_G

ClientSampled :

W-17

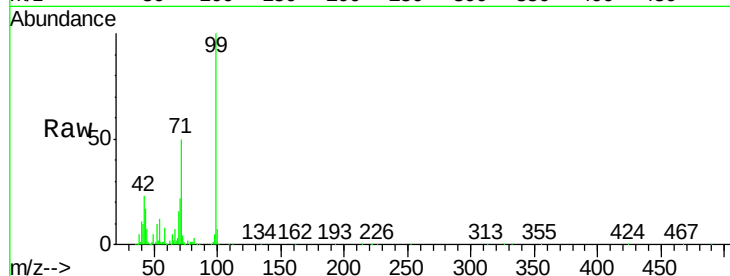
Tgt Ion: 99 Resp: 204239

Ion Ratio Lower Upper

99 100

42 23.0 20.5 30.7

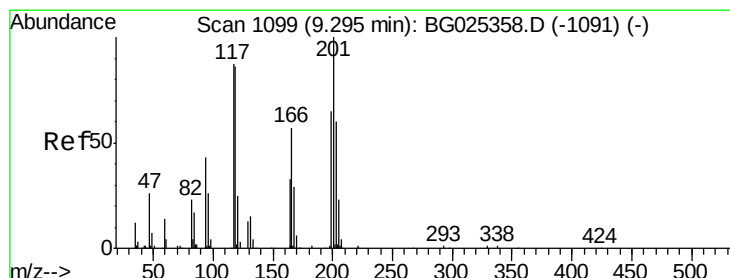
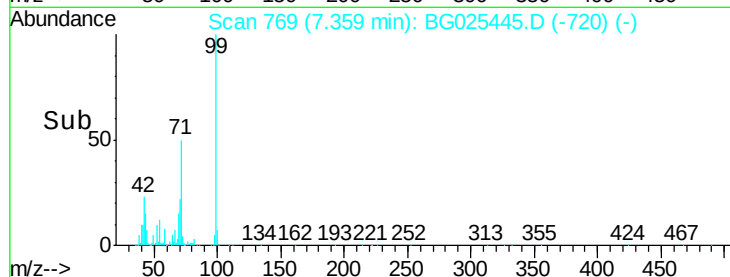
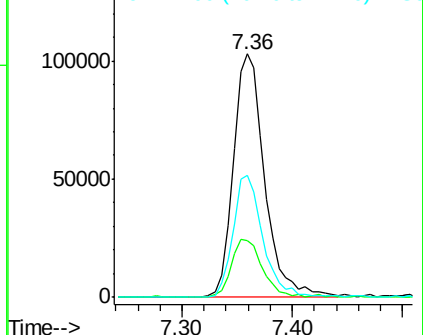
71 49.9 37.6 56.4



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



#18

Hexachloroethane

Concen: 17.38 ng

RT: 9.30 min Scan# 1100

Delta R.T. 0.01 min

Lab File: BG025445.D

Acq: 10 Jan 2017 00:43

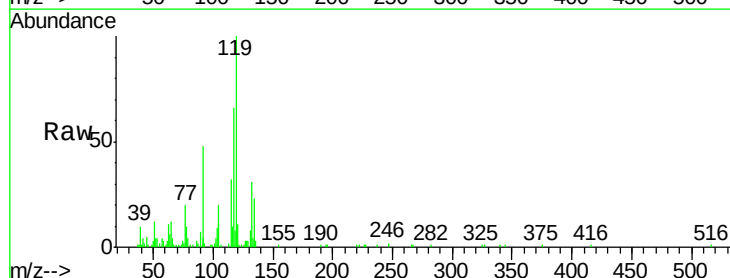
Tgt Ion: 117 Resp: 29435

Ion Ratio Lower Upper

117 100

119 151.6 69.8 104.6#

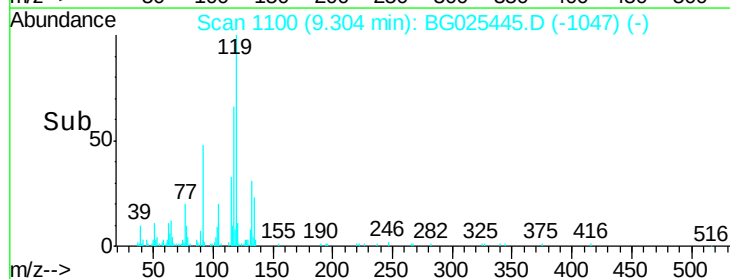
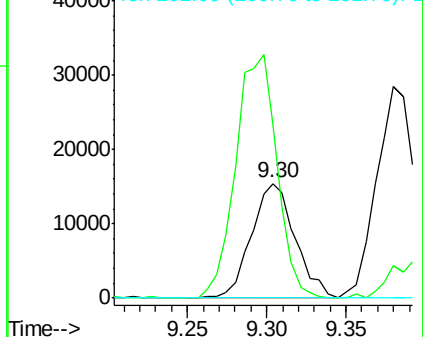
201 0.0 95.4 143.0#

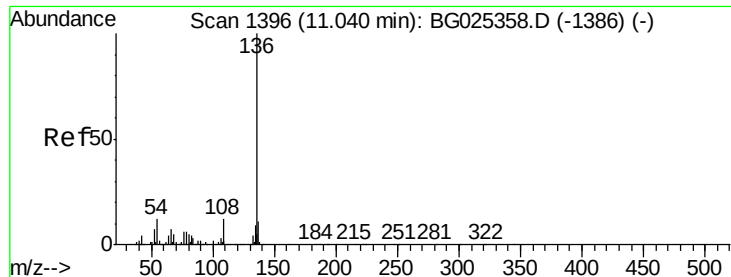


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

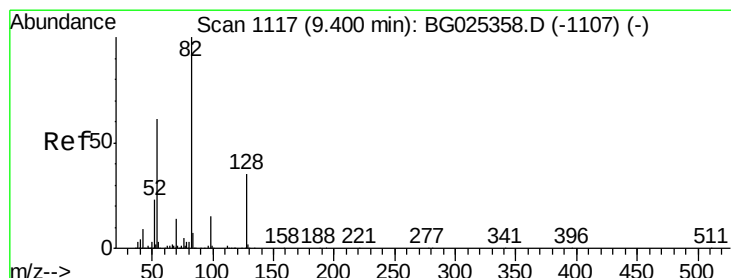
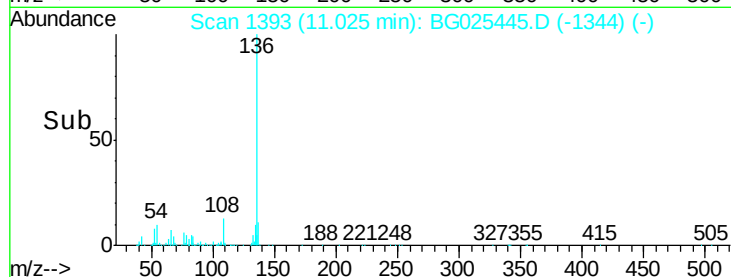
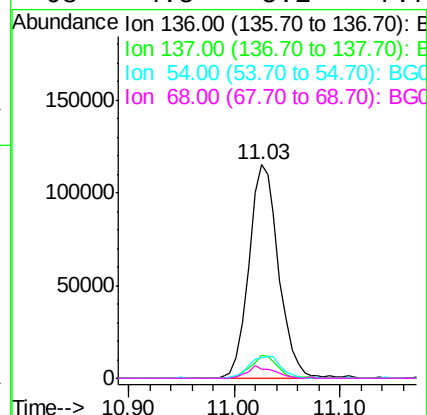
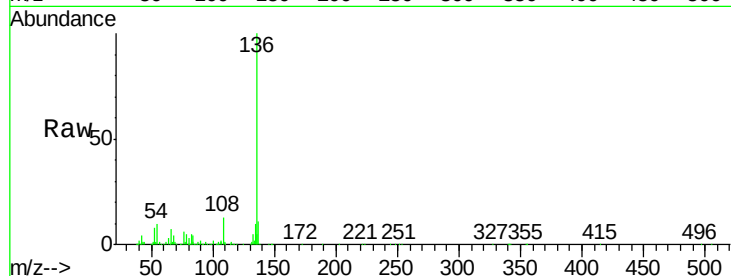




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.03 min Scan# 1393  
Delta R.T. -0.01 min  
Lab File: BG025445.D  
Acq: 10 Jan 2017 00:43

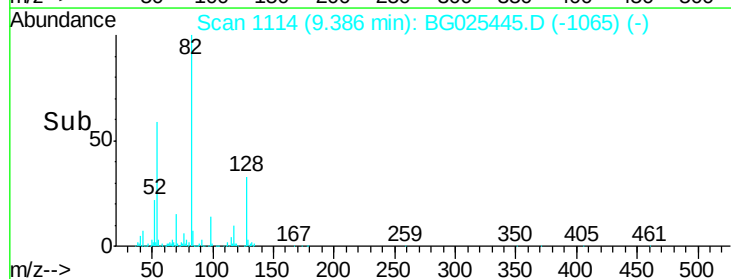
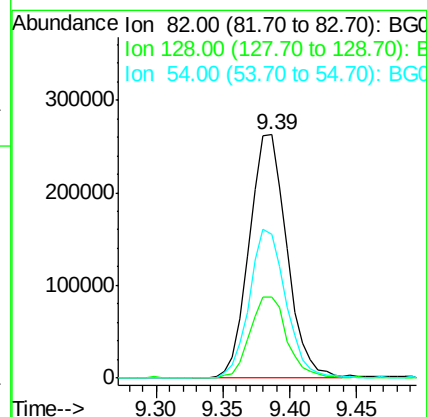
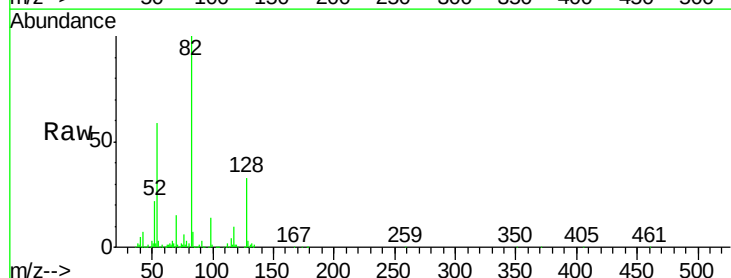
Instrument :  
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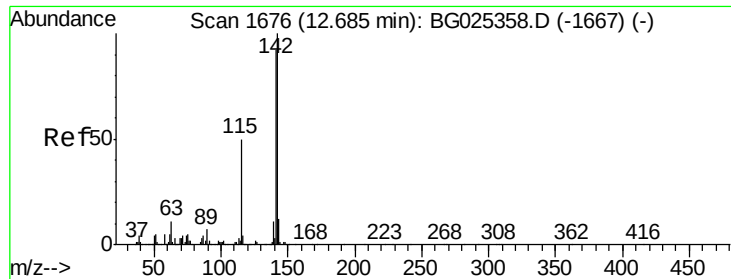
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 223999 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.9   | 13.3   |
| 54       | 9.8   | 9.3   | 13.9   |
| 68       | 4.5   | 5.1   | 7.7#   |



#23  
Nitrobenzene-d5  
Concen: 101.14 ng  
RT: 9.39 min Scan# 1114  
Delta R.T. -0.01 min  
Lab File: BG025445.D  
Acq: 10 Jan 2017 00:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 512816 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 33.5  | 26.4  | 39.6   |
| 54       | 58.8  | 49.4  | 74.2   |

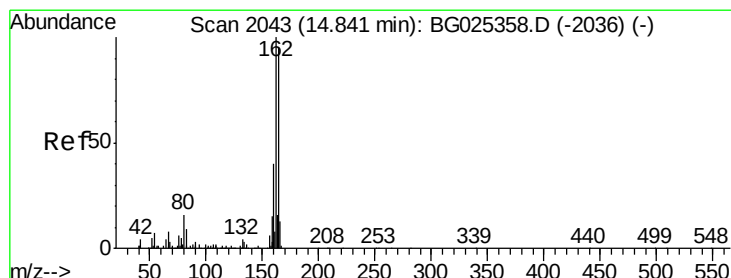
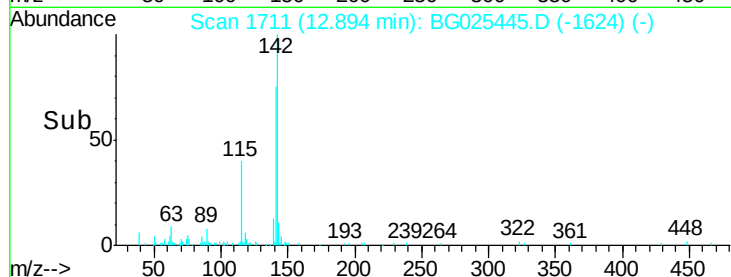
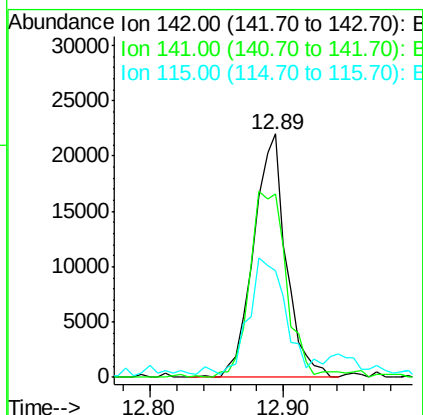
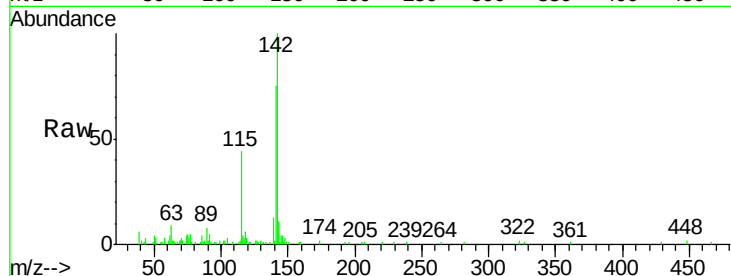




#37  
 2-Methylnaphthalene  
 Concen: 4.44 ng  
 RT: 12.89 min Scan# 1711  
 Delta R.T. 0.21 min  
 Lab File: BG025445.D  
 Acq: 10 Jan 2017 00:43

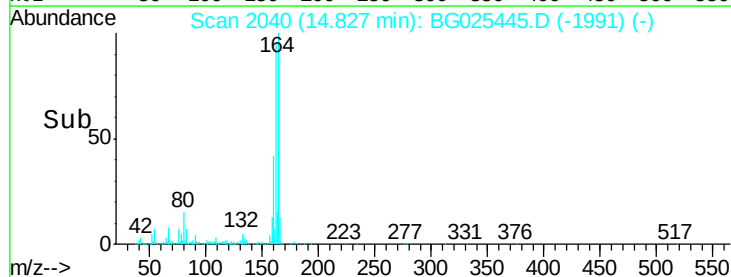
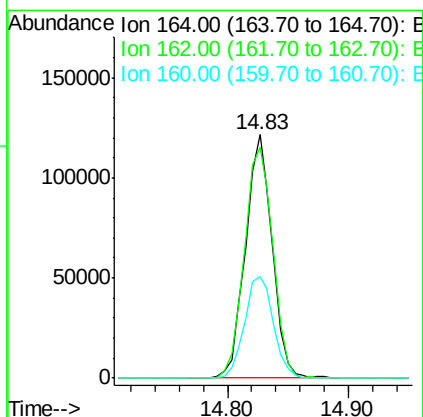
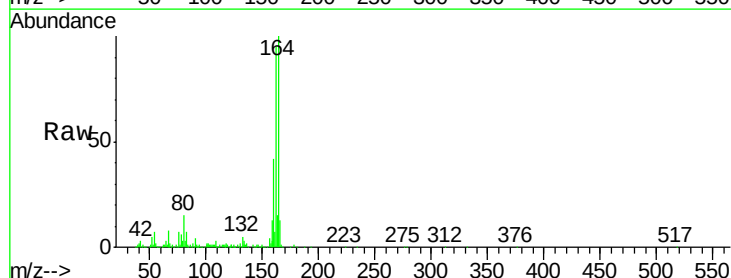
Instrument :  
 BNA\_G  
 ClientSampleId :  
 W-17

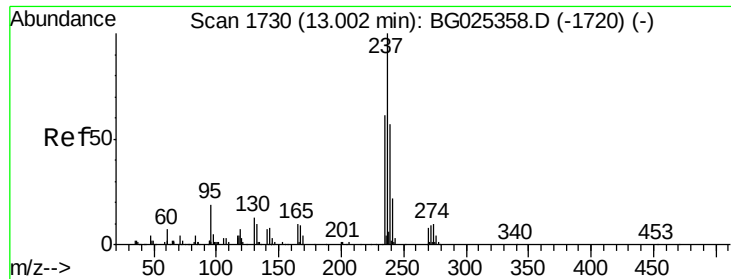
Tgt Ion:142 Resp: 36795  
 Ion Ratio Lower Upper  
 142 100  
 141 75.1 70.4 105.6  
 115 44.0 35.5 53.3



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.83 min Scan# 2040  
 Delta R.T. -0.01 min  
 Lab File: BG025445.D  
 Acq: 10 Jan 2017 00:43

Tgt Ion:164 Resp: 187406  
 Ion Ratio Lower Upper  
 164 100  
 162 94.9 85.1 127.7  
 160 41.6 34.7 52.1

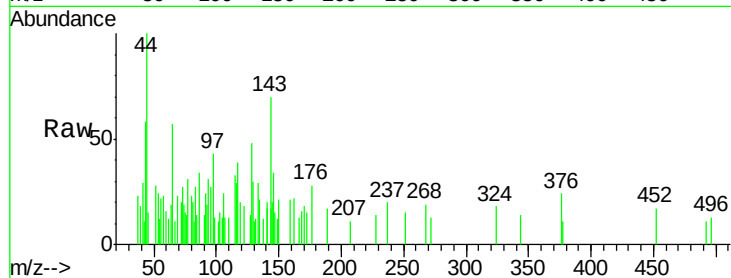




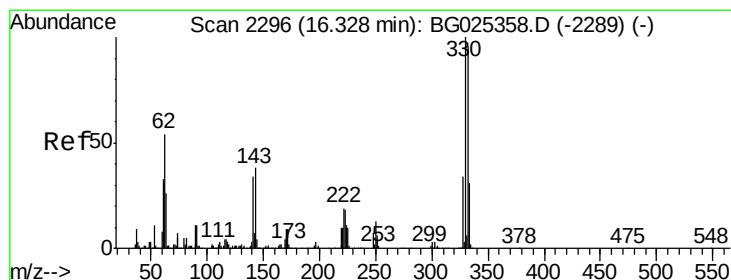
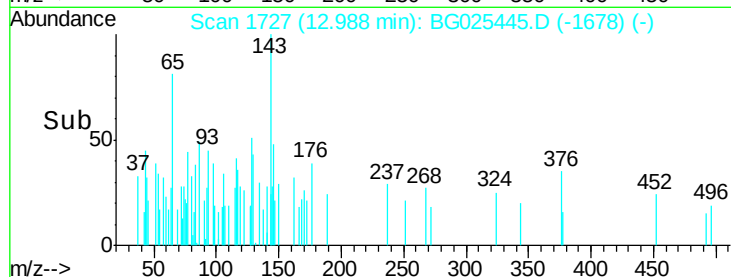
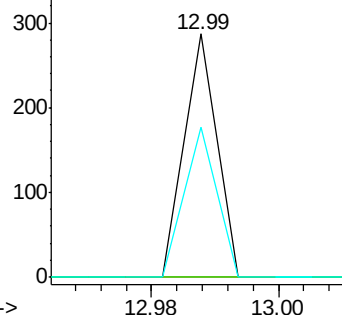
#40  
Hexachlorocyclopentadiene  
Concen: 8.55 ng  
RT: 12.99 min Scan# 1727  
Delta R.T. -0.01 min  
Lab File: BG025445.D  
Acq: 10 Jan 2017 00:43

Instrument :  
BNA\_G  
ClientSampleId :  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 237     | 100   |       |       |
| 235     | 0.0   | 39.4  | 79.4# |
| 272     | 61.7  | 0.0   | 32.0# |

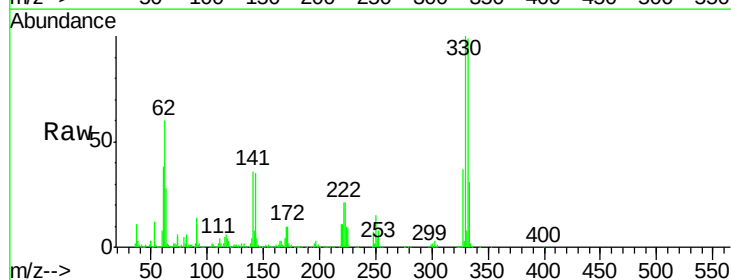


Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

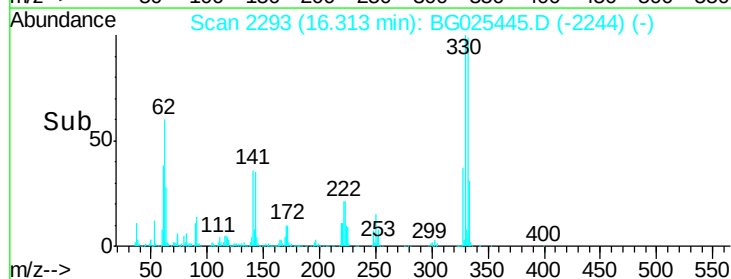
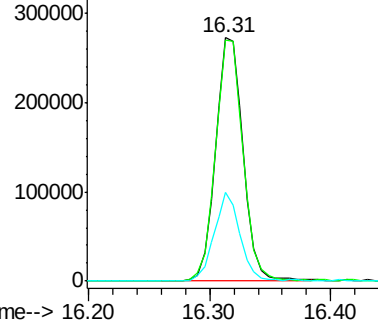


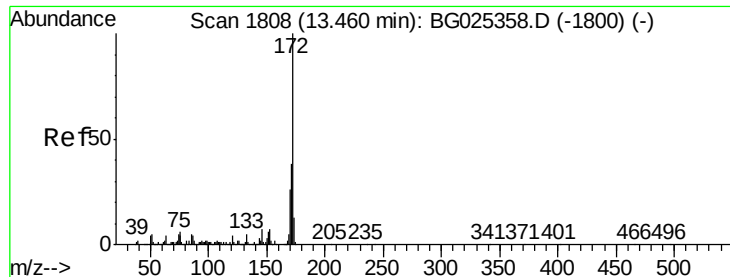
#41  
2,4,6-Tribromophenol  
Concen: 143.15 ng  
RT: 16.31 min Scan# 2293  
Delta R.T. -0.01 min  
Lab File: BG025445.D  
Acq: 10 Jan 2017 00:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 99.1  | 77.3  | 115.9 |
| 141     | 34.6  | 32.1  | 48.1  |



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

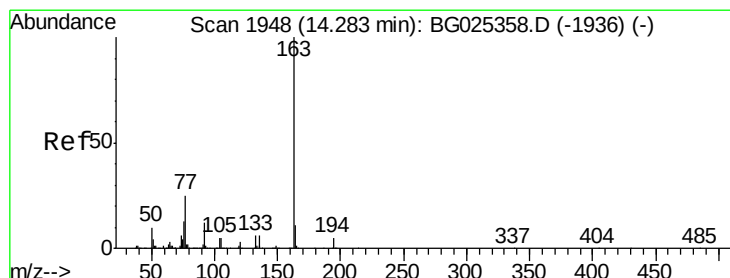
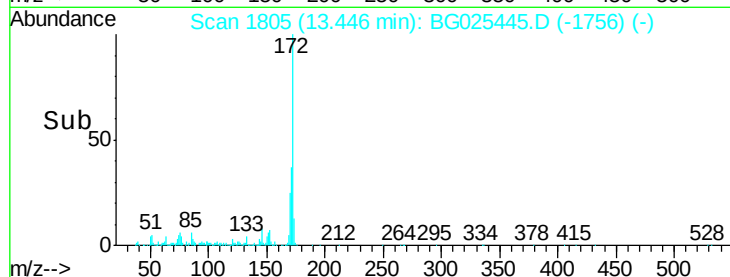
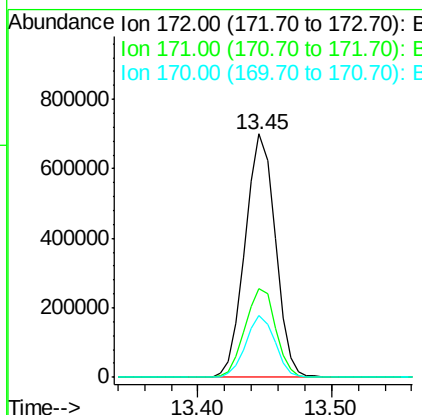
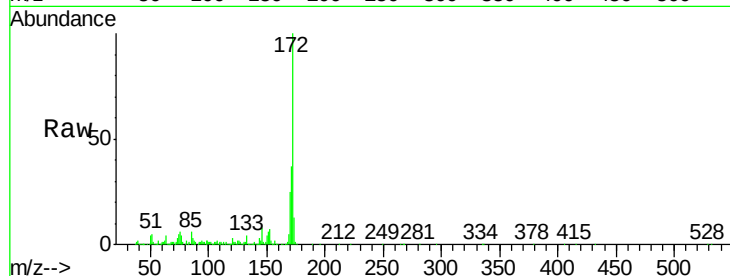




#44  
2-Fluorobiphenyl  
Concen: 94.55 ng  
RT: 13.45 min Scan# 1805  
Delta R.T. -0.01 min  
Lab File: BG025445.D  
Acq: 10 Jan 2017 00:43

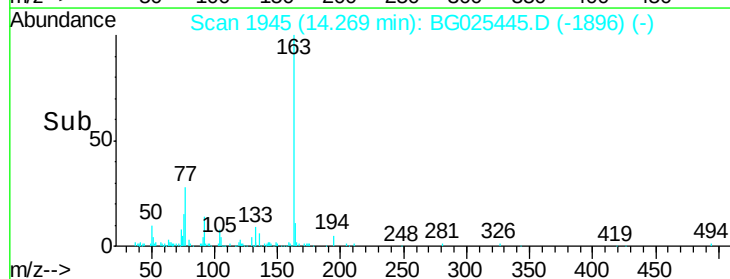
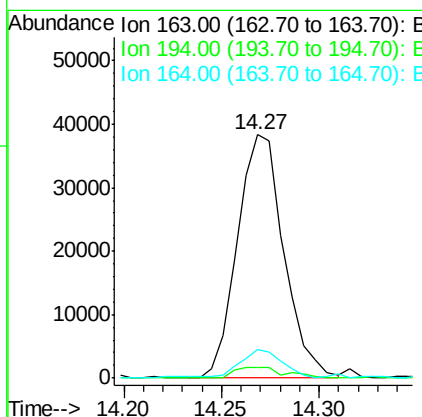
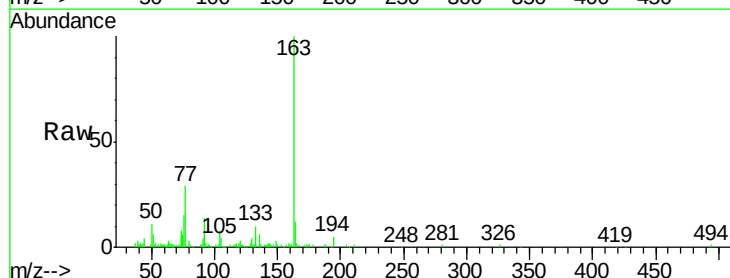
Instrument :  
BNA\_G  
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Tgt Ion:172 Resp: 1094510  
Ion Ratio Lower Upper  
172 100  
171 36.7 32.2 48.2  
170 25.4 21.8 32.6

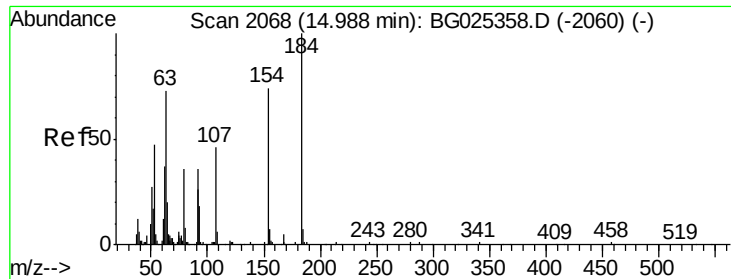


#49  
Dimethylphthalate  
Concen: 4.62 ng  
RT: 14.27 min Scan# 1945  
Delta R.T. -0.01 min  
Lab File: BG025445.D  
Acq: 10 Jan 2017 00:43

Tgt Ion:163 Resp: 63113  
Ion Ratio Lower Upper  
163 100  
194 4.5 3.8 5.6  
164 11.6 9.3 13.9



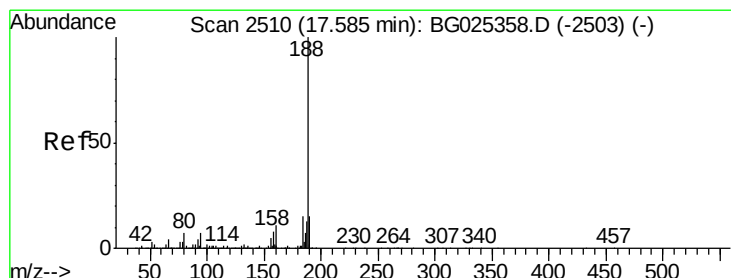
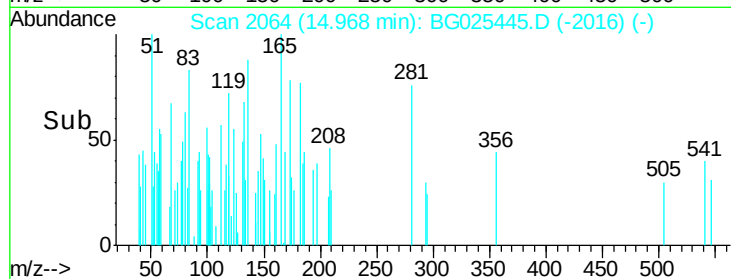
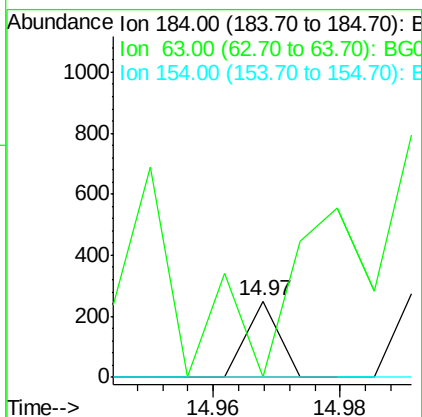
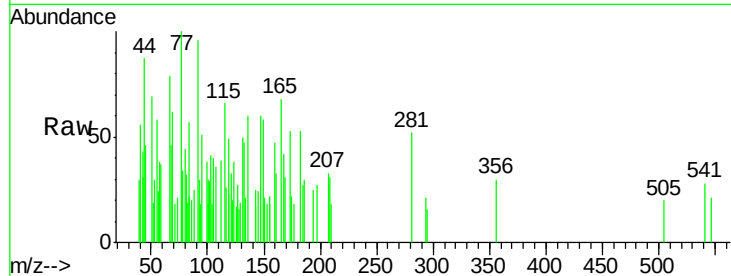




#53  
2,4-Dinitrophenol  
Concen: 5.12 ng  
RT: 14.97 min Scan# 2064  
Delta R.T. -0.02 min  
Lab File: BG025445.D  
Acq: 10 Jan 2017 00:43

Instrument :  
BNA\_G  
ClientSampleId :  
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Tgt Ion:184 Resp: 88  
Ion Ratio Lower Upper  
184 100  
63 0.0 52.7 79.1#  
154 0.0 57.3 85.9#



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.57 min Scan# 2507  
Delta R.T. -0.01 min  
Lab File: BG025445.D  
Acq: 10 Jan 2017 00:43

Tgt Ion:188 Resp: 426427  
Ion Ratio Lower Upper  
188 100  
94 6.0 5.8 8.8  
80 7.4 7.5 11.3#

