

Data Path : Z:\HPCHEM1\BNA G\DATA\BG093016\  
 Data File : BG024179.D  
 Acq On : 1 Oct 2016 3:51  
 Operator : UM/SJ  
 Sample : H5023-07  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-NON-TSCA-09272016

Quant Time: Oct 01 04:35:08 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

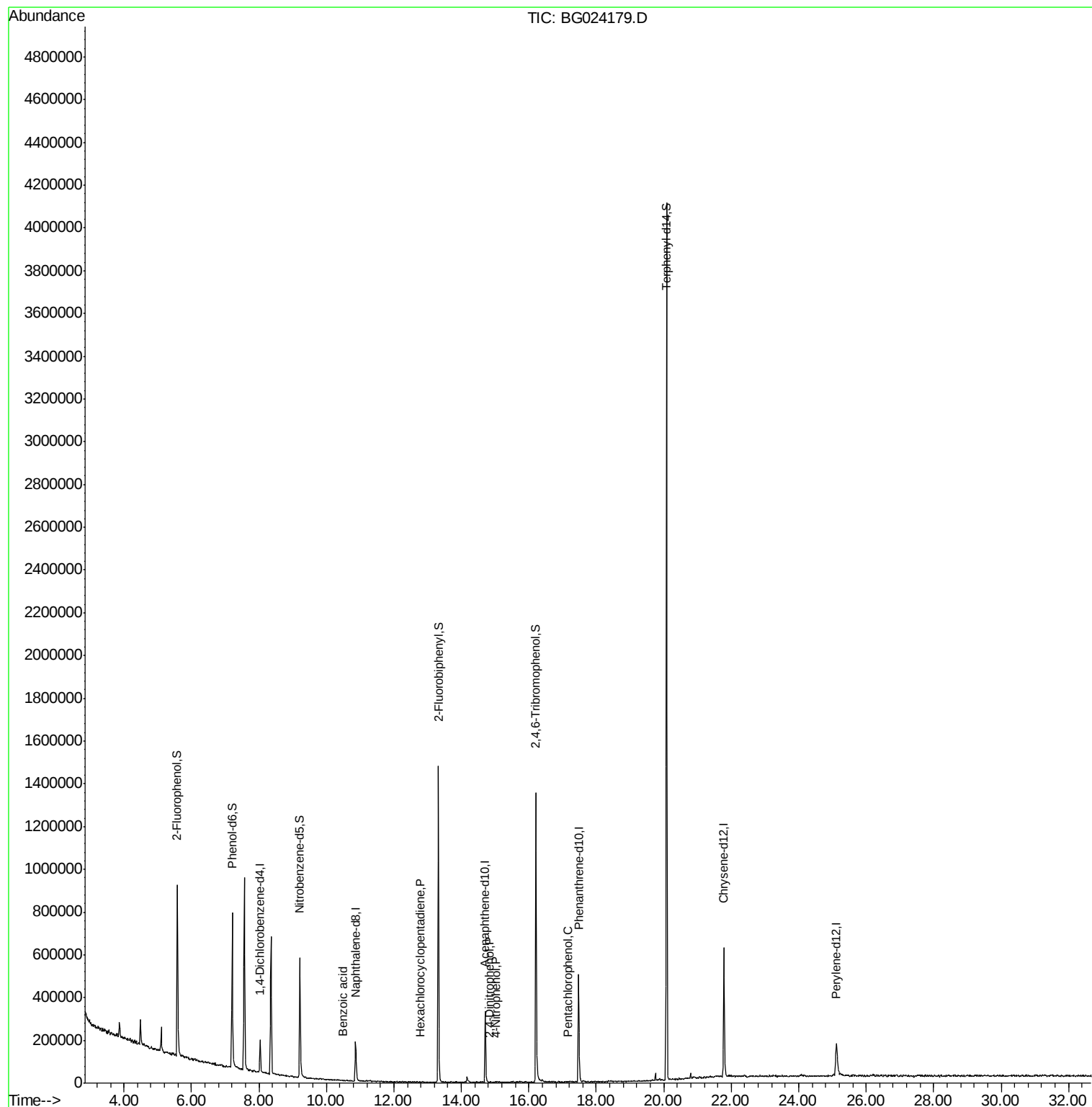
| Internal Standards            | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4     | 8.03  | 152  | 40470    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.87 | 136  | 167123   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10          | 14.71 | 164  | 123732   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10          | 17.48 | 188  | 339734   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12              | 21.78 | 240  | 412496   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12              | 25.12 | 264  | 140929   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds   |       |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.58  | 112  | 339424   | 145.30 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.20  | 99   | 436347   | 111.01 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.21  | 82   | 379820   | 89.57  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol      | 16.21 | 330  | 237237   | 133.39 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl          | 13.32 | 172  | 739795   | 100.50 | ng    | 0.00     |
| 78) Terphenyl-d14             | 20.08 | 244  | 1586496  | 78.75  | ng    | -0.02    |
| Target Compounds              |       |      |          |        |       |          |
| 32) Benzoic acid              | 10.49 | 122  | 57       | 2.18   | ng    | # 1      |
| 40) Hexachlorocyclopentadiene | 12.78 | 237  | 56       | 3.63   | ng    | # 26     |
| 53) 2,4-Dinitrophenol         | 14.83 | 184  | 127      | 2.57   | ng    | # 10     |
| 55) 4-Nitrophenol             | 15.04 | 139  | 67       | 5.39   | ng    | # 1      |
| 69) Pentachlorophenol         | 17.16 | 266  | 90       | 3.60   | ng    | # 18     |

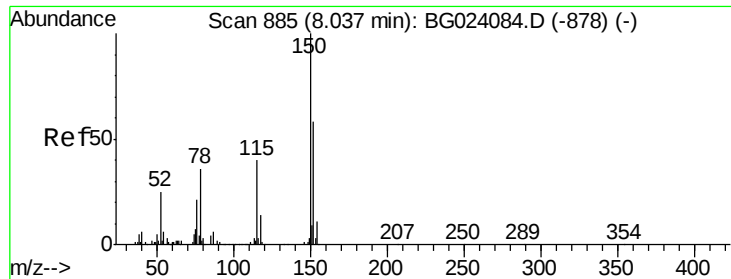
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.03 min Scan# 884

Delta R.T. -0.00 min

Lab File: BG024179.D

Acq: 1 Oct 2016 3:51

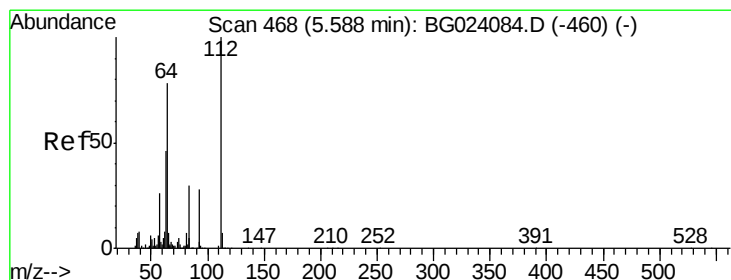
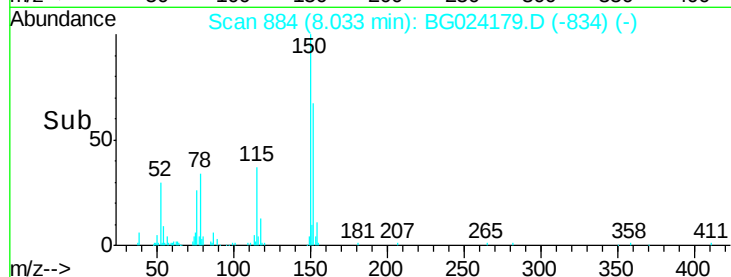
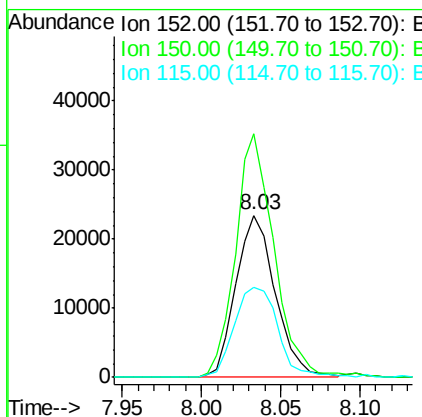
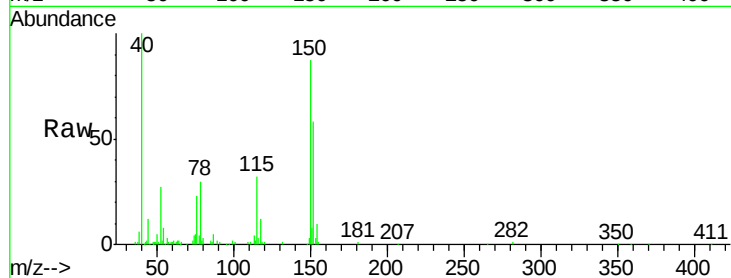
Instrument :

BNA\_G

ClientSampleId :

WC-NON-TSCA-09272016

Tot Ion:152 Resp: 40470  
 Ion Ratio Lower Upper  
 152 100  
 150 150.1 144.7 217.1  
 115 55.7 64.0 96.0#



#5

2-Fluorophenol

Concen: 145.30 ng

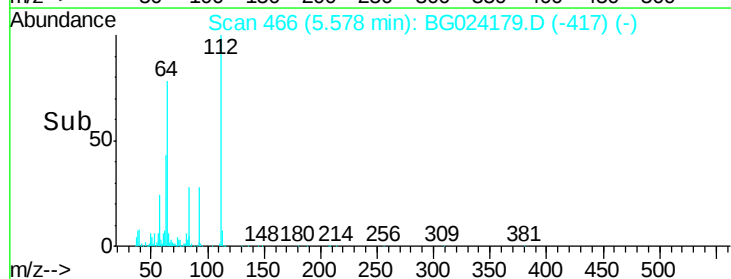
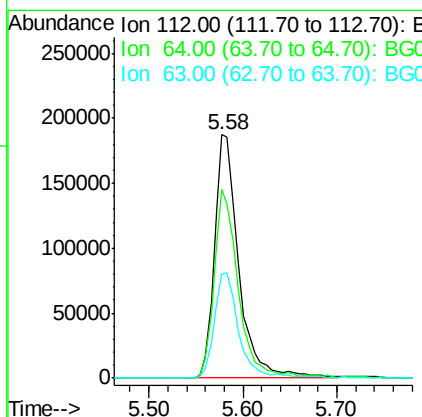
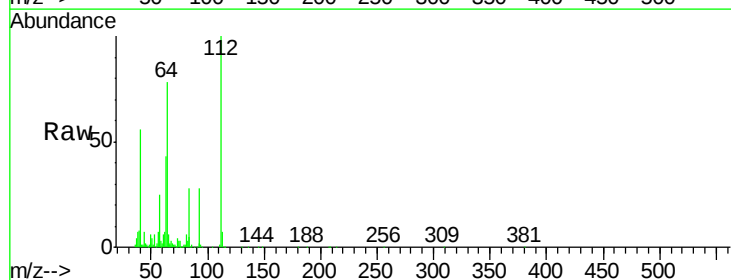
RT: 5.58 min Scan# 466

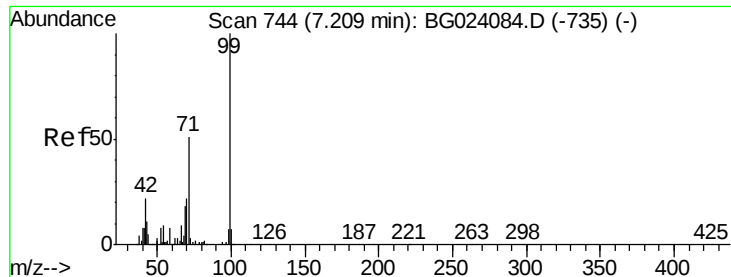
Delta R.T. -0.01 min

Lab File: BG024179.D

Acq: 1 Oct 2016 3:51

Tgt Ion:112 Resp: 339424  
 Ion Ratio Lower Upper  
 112 100  
 64 77.5 59.0 88.4  
 63 42.7 37.8 56.8





#7

Phenol-d6

Concen: 111.01 ng

RT: 7.20 min Scan# 743

Delta R.T. -0.00 min

Lab File: BG024179.D

Acq: 1 Oct 2016 3:51

Instrument :

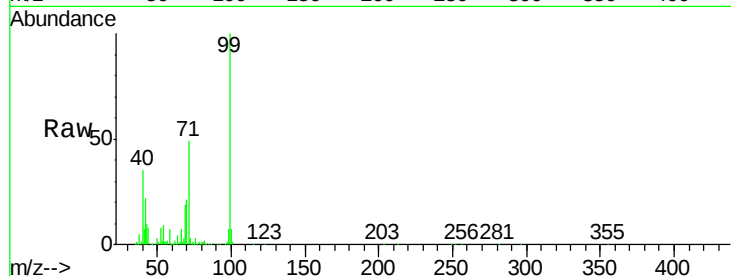
BNA\_G

ClientSampleId :

WC-NON-TSCA-09272016

Tot Ion: 99 Resp: 436347

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 22.4  | 17.8  | 26.6  |
| 71  | 49.0  | 41.5  | 62.3  |

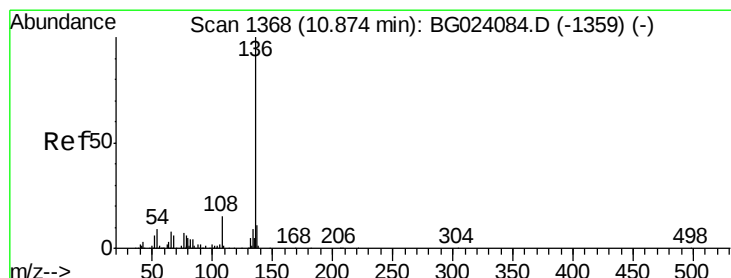
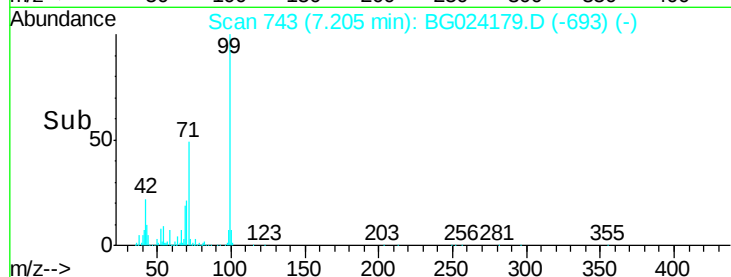
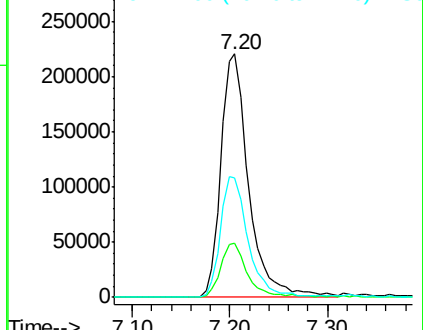


Abundance

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: 10.87 min Scan# 1367

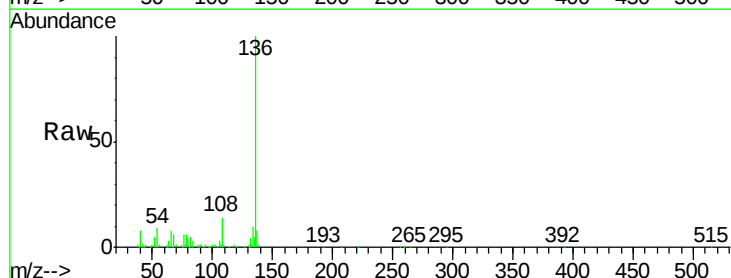
Delta R.T. -0.00 min

Lab File: BG024179.D

Acq: 1 Oct 2016 3:51

Tgt Ion: 136 Resp: 167123

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 7.6   | 9.6   | 14.4# |
| 54  | 9.2   | 7.3   | 10.9  |
| 68  | 5.9   | 5.3   | 7.9   |



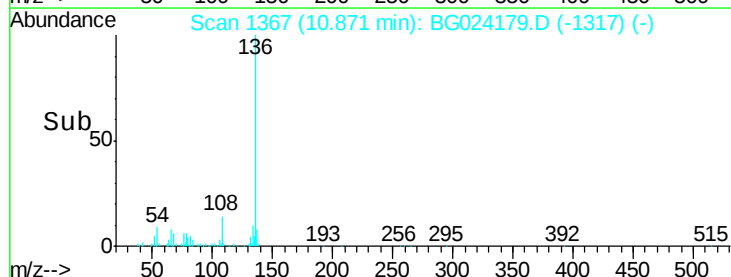
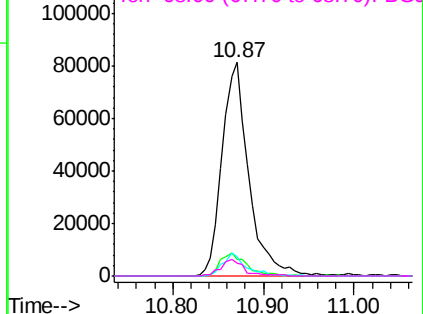
Abundance

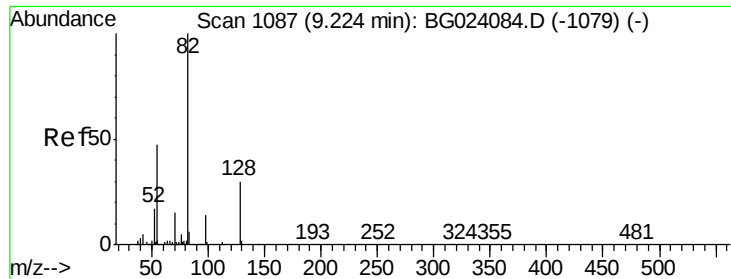
Ion 136.00 (135.70 to 136.70): BGC

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

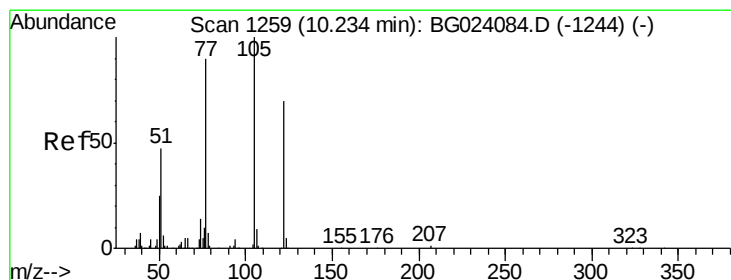
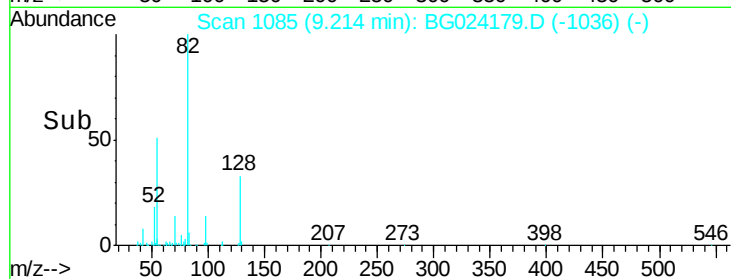
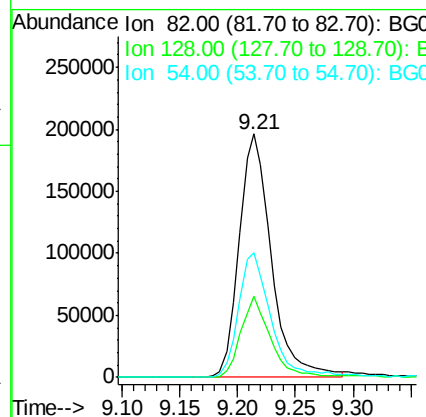
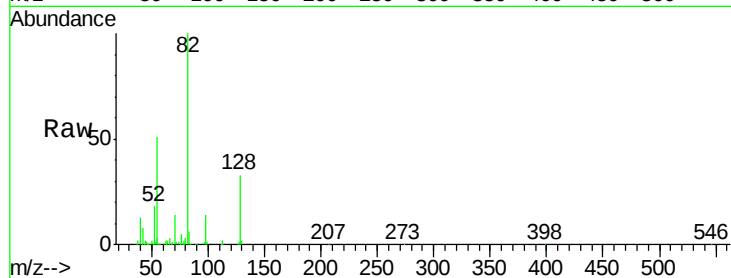




#23  
 Nitrobenzene-d5  
 Concen: 89.57 ng  
 RT: 9.21 min Scan# 1085  
 Delta R.T. -0.01 min  
 Lab File: BG024179.D  
 Acq: 1 Oct 2016 3:51

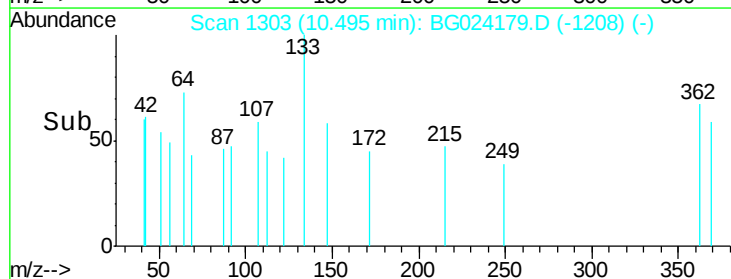
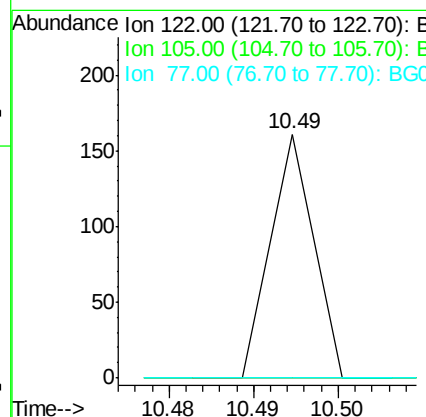
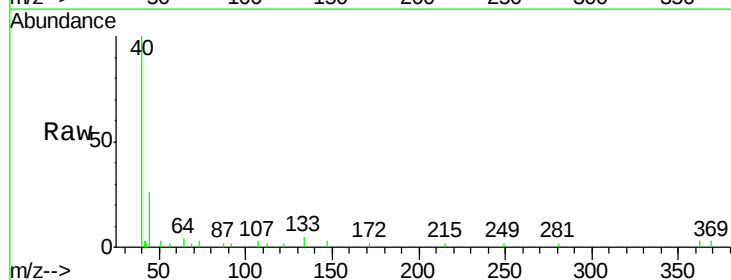
Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-NON-TSCA-09272016

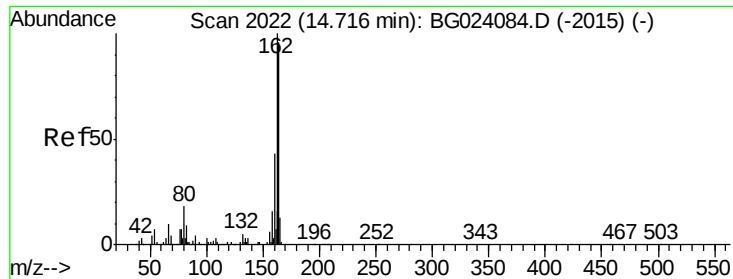
| Tot Ion   | 82    | Resp  | 379820 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 33.1  | 24.4  | 36.6   |
| 54        | 51.4  | 41.4  | 62.0   |



#32  
 Benzoic acid  
 Concen: 2.18 ng  
 RT: 10.49 min Scan# 1303  
 Delta R.T. 0.26 min  
 Lab File: BG024179.D  
 Acq: 1 Oct 2016 3:51

| Tgt Ion   | 122   | Resp  | 57     |
|-----------|-------|-------|--------|
| 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# 2020

Delta R.T. -0.01 min

Lab File: BG024179.D

Acq: 1 Oct 2016 3:51

Instrument :

BNA\_G

ClientSampleId :

WC-NON-TSCA-09272016

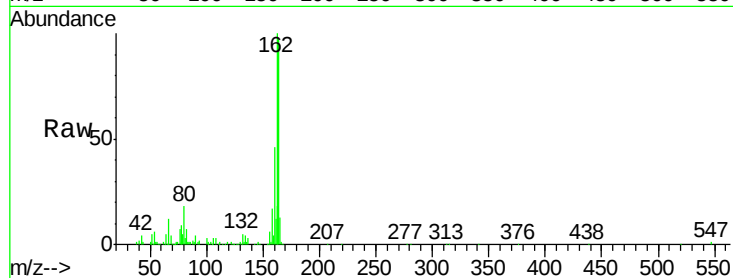
Tot Ion:164 Resp: 123732

Ion Ratio Lower Upper

164 100

162 102.6 87.7 131.5

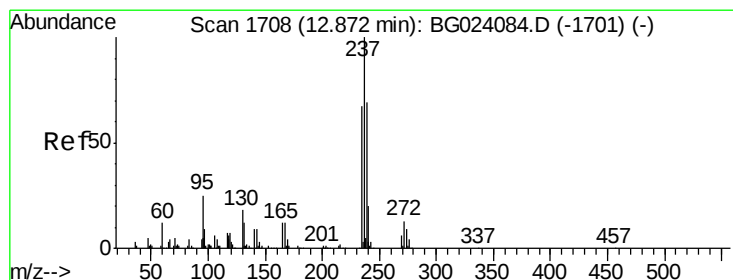
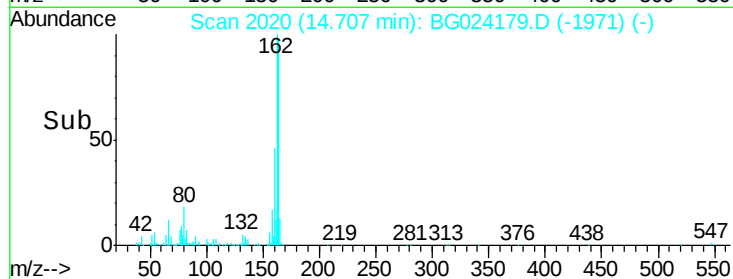
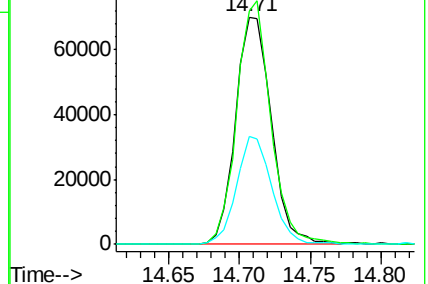
160 47.7 37.2 55.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

Hexachlorocyclopentadiene

Concen: 3.63 ng

RT: 12.78 min Scan# 1692

Delta R.T. -0.09 min

Lab File: BG024179.D

Acq: 1 Oct 2016 3:51

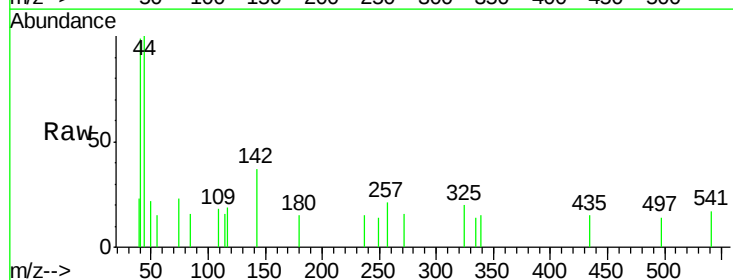
Tgt Ion:237 Resp: 56

Ion Ratio Lower Upper

237 100

235 0.0 43.1 83.1#

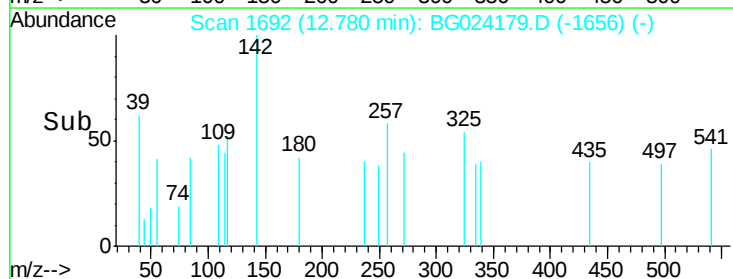
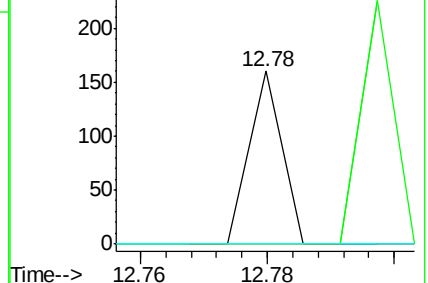
272 0.0 0.0 30.9

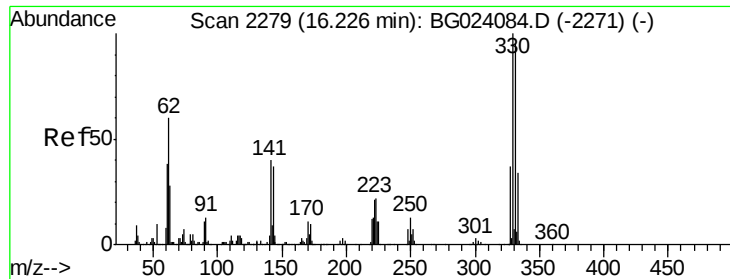


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

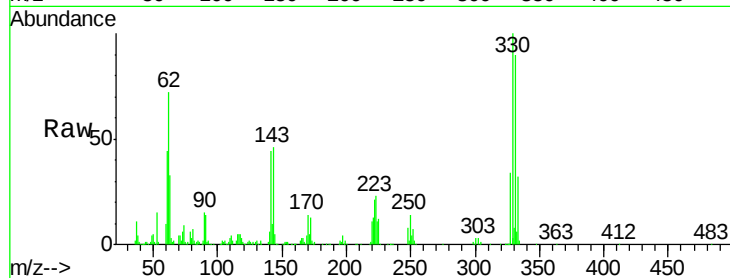




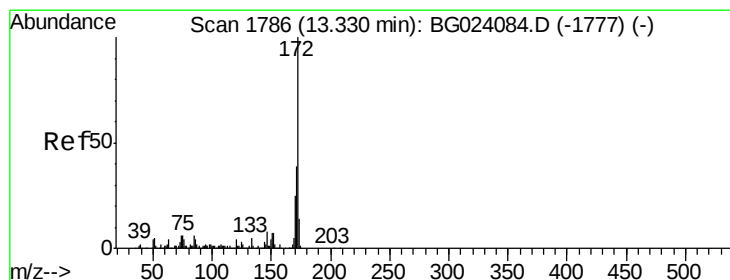
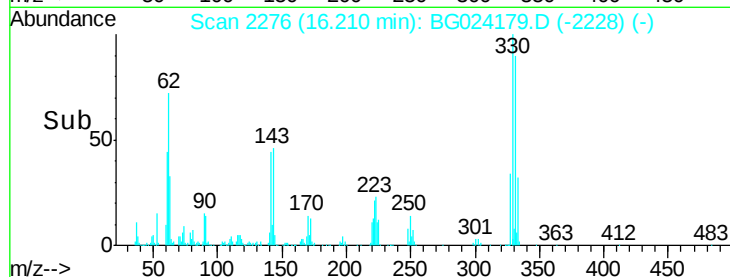
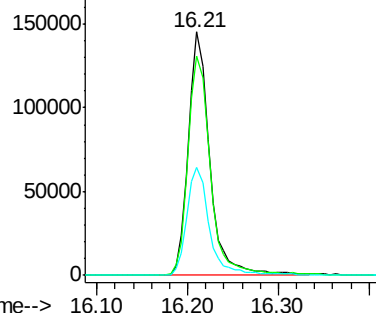
#41  
 2,4,6-Tribromophenol  
 Concen: 133.39 ng  
 RT: 16.21 min Scan# 2276  
 Delta R.T. -0.02 min  
 Lab File: BG024179.D  
 Acq: 1 Oct 2016 3:51

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-NON-TSCA-09272016

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 93.9  | 77.4  | 116.2 |
| 141     | 46.6  | 31.7  | 47.5  |

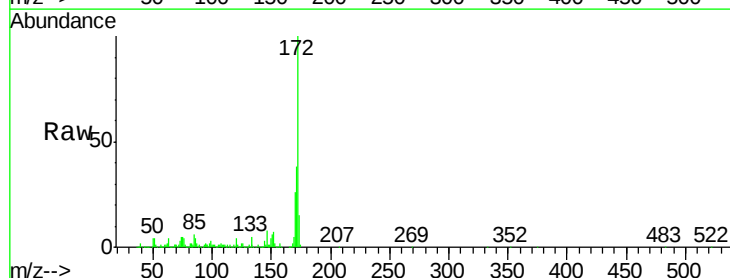


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

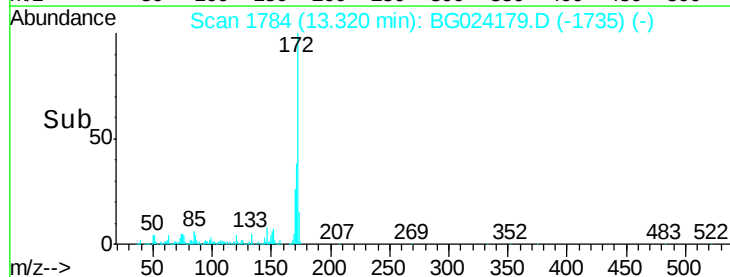
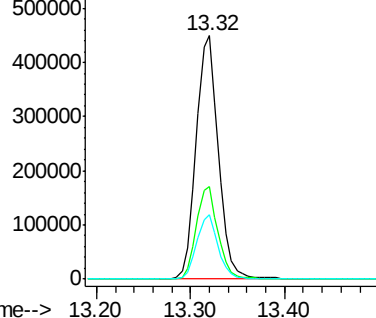


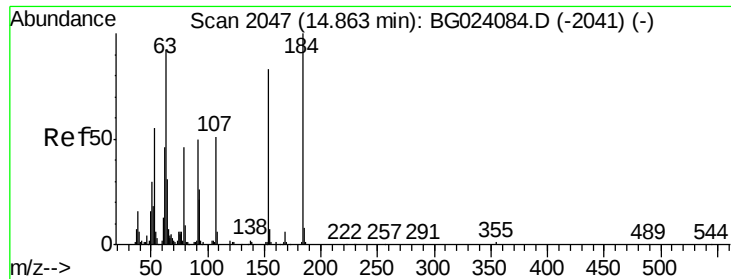
#44  
 2-Fluorobiphenyl  
 Concen: 100.50 ng  
 RT: 13.32 min Scan# 1784  
 Delta R.T. -0.01 min  
 Lab File: BG024179.D  
 Acq: 1 Oct 2016 3:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.1  | 31.6  | 47.4  |
| 170     | 26.2  | 21.3  | 31.9  |



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

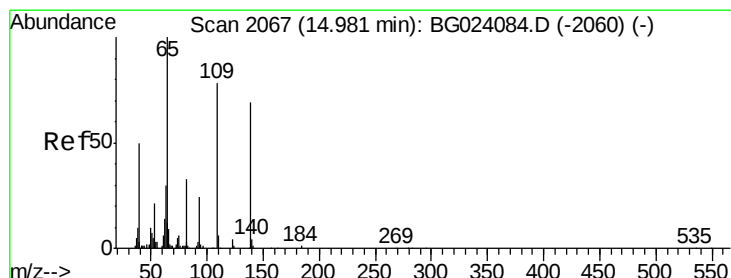
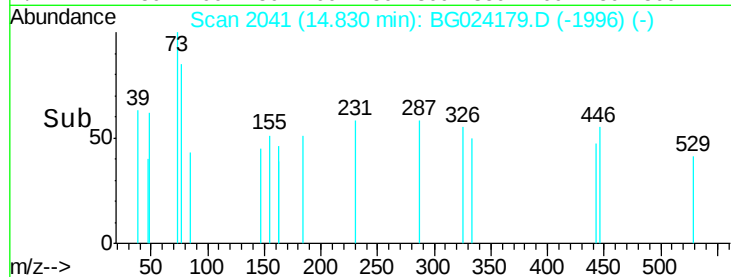
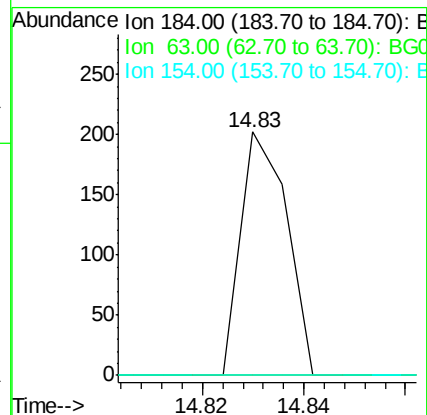
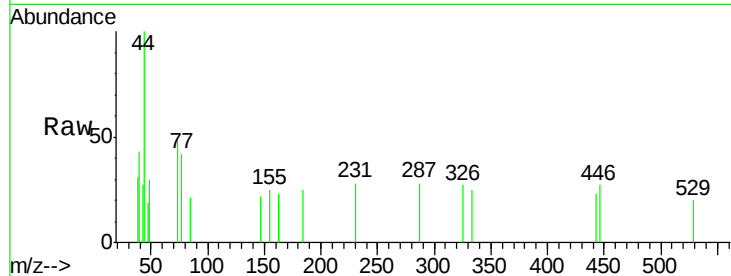




#53  
2,4-Dinitrophenol  
Concen: 2.57 ng  
RT: 14.83 min Scan# 2041  
Delta R.T. -0.03 min  
Lab File: BG024179.D  
Acq: 1 Oct 2016 3:51

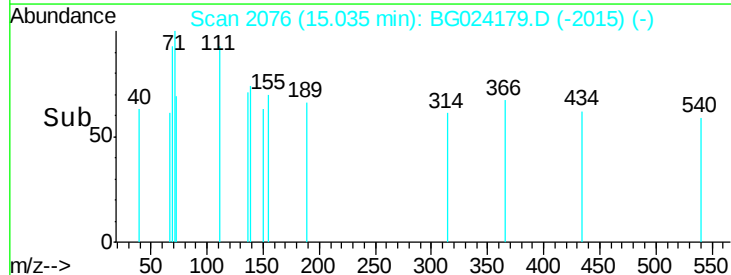
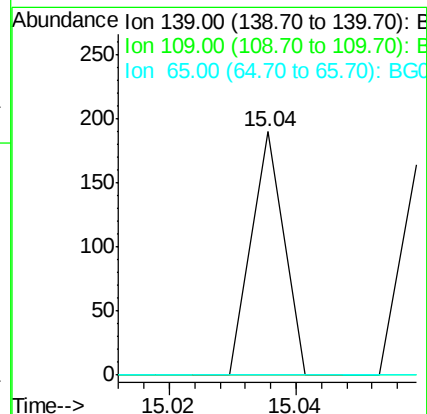
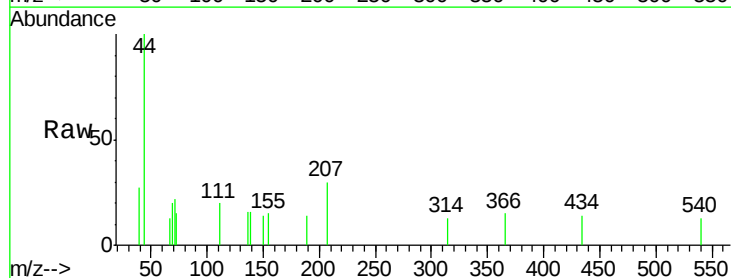
Instrument :  
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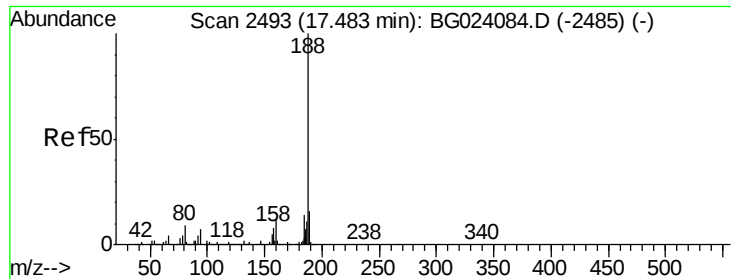
Tot Ion:184 Resp: 127  
Ion Ratio Lower Upper  
184 100  
63 0.0 59.6 89.4#  
154 0.0 67.4 101.0#



#55  
4-Nitrophenol  
Concen: 5.39 ng  
RT: 15.04 min Scan# 2076  
Delta R.T. 0.06 min  
Lab File: BG024179.D  
Acq: 1 Oct 2016 3:51

Tgt Ion:139 Resp: 67  
Ion Ratio Lower Upper  
139 100  
109 0.0 103.0 143.0#  
65 0.0 112.7 152.7#

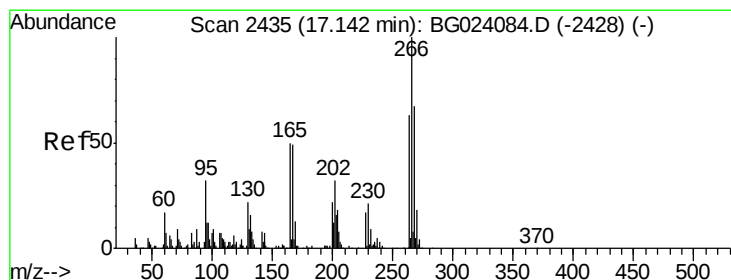
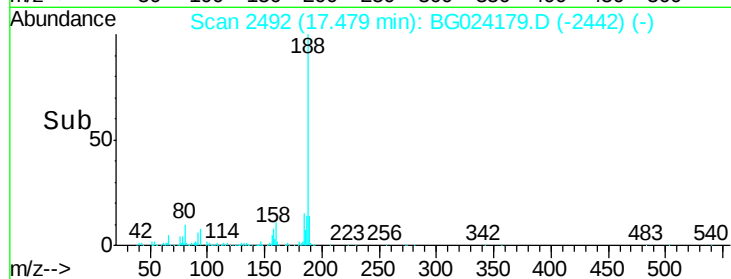
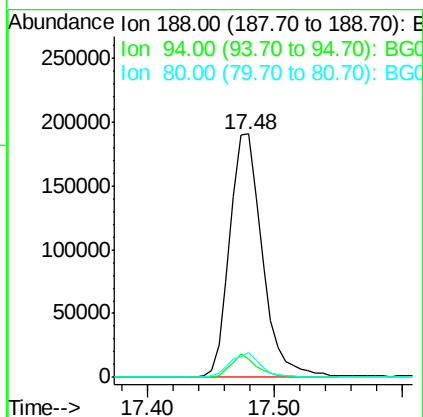
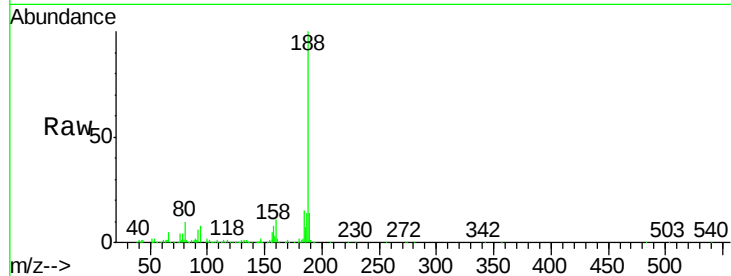




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.48 min Scan# 2492  
Delta R.T. -0.00 min  
Lab File: BG024179.D  
Acq: 1 Oct 2016 3:51

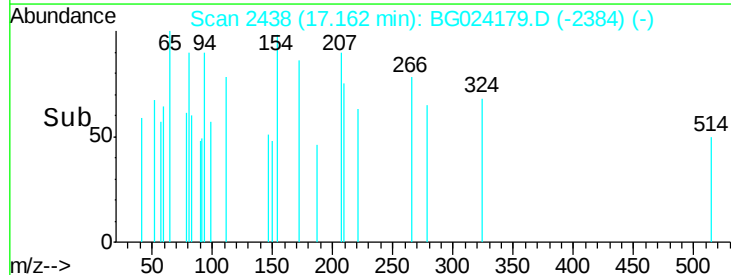
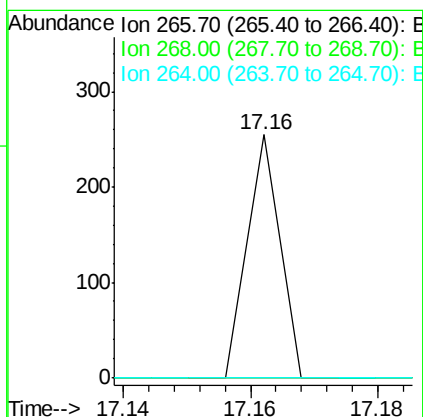
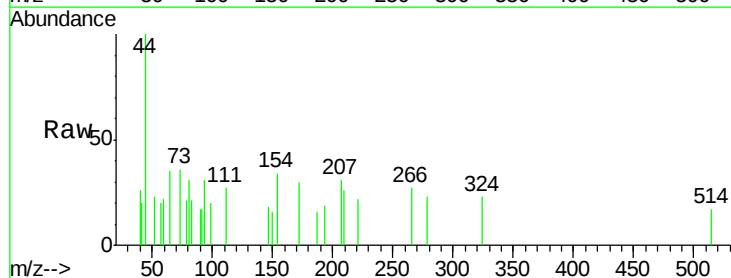
Instrument :  
BNA\_G  
ClientSampleId :  
WC-NON-TSCA-09272016

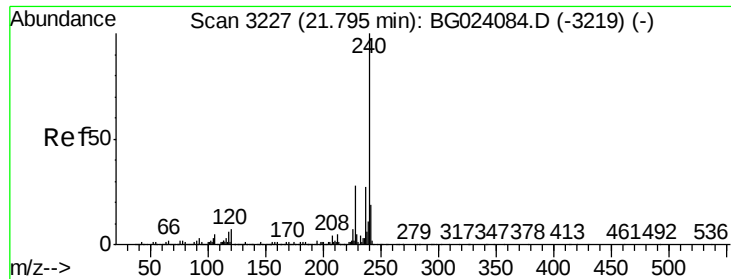
Tot Ion:188 Resp: 339734  
Ion Ratio Lower Upper  
188 100  
94 7.7 5.2 7.8  
80 10.2 7.2 10.8



#69  
Pentachlorophenol  
Concen: 3.60 ng  
RT: 17.16 min Scan# 2438  
Delta R.T. 0.02 min  
Lab File: BG024179.D  
Acq: 1 Oct 2016 3:51

Tgt Ion:266 Resp: 90  
Ion Ratio Lower Upper  
266 100  
268 0.0 51.9 77.9#  
264 0.0 50.6 75.8#

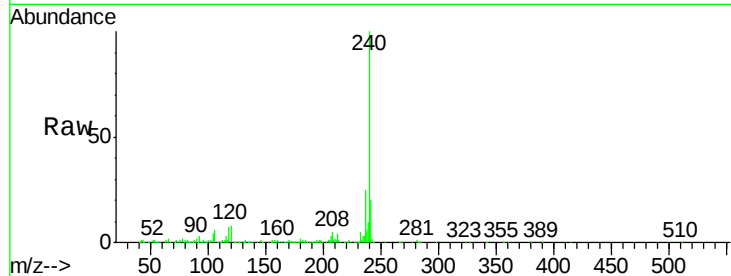




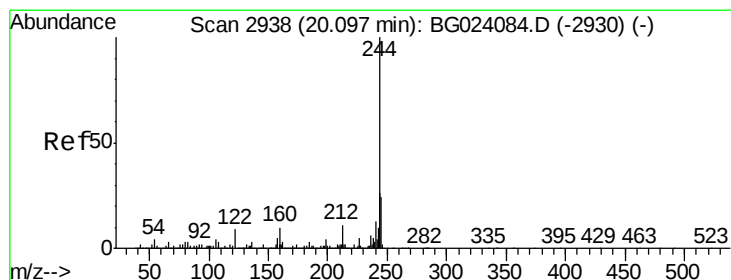
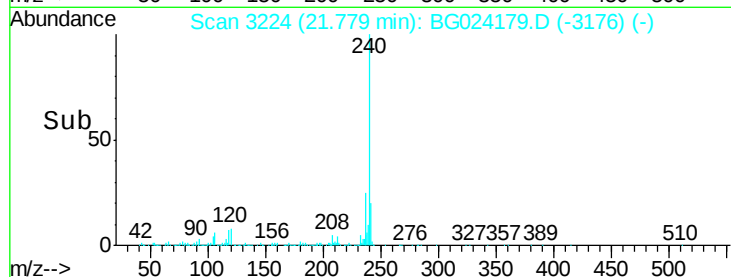
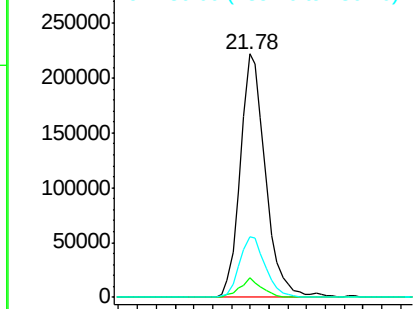
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.78 min Scan# 3224  
Delta R.T. -0.02 min  
Lab File: BG024179.D  
Acq: 1 Oct 2016 3:51

Instrument :  
BNA\_G  
ClientSampleId :  
WC-NON-TSCA-09272016

Tot Ion:240 Resp: 412496  
Ion Ratio Lower Upper  
240 100  
120 8.0 4.1 6.1#  
236 24.7 21.1 31.7

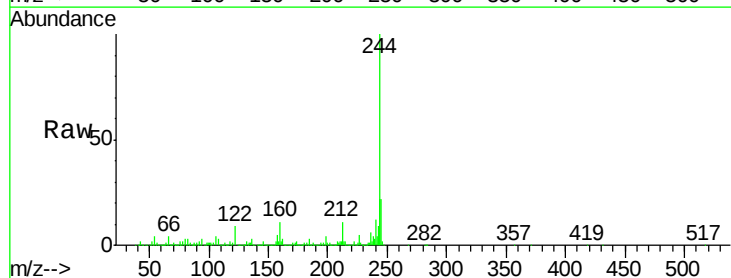


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

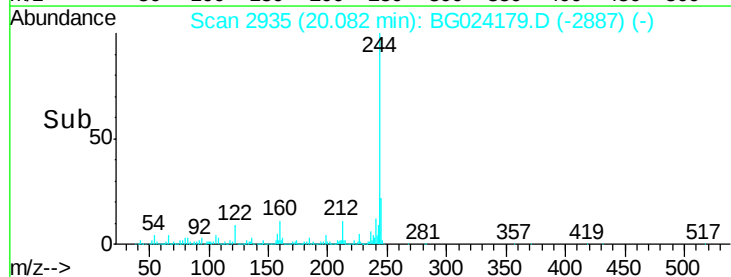
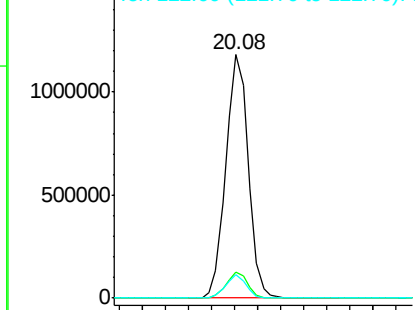


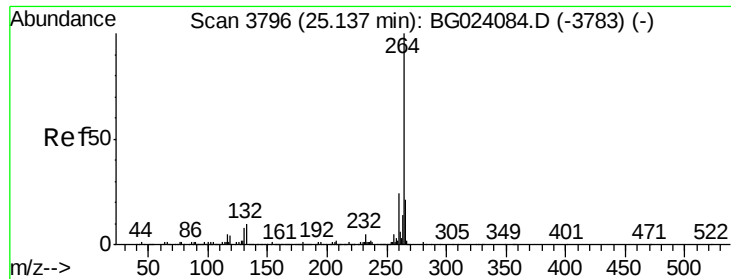
#78  
Terphenyl-d14  
Concen: 78.75 ng  
RT: 20.08 min Scan# 2935  
Delta R.T. -0.02 min  
Lab File: BG024179.D  
Acq: 1 Oct 2016 3:51

Tgt Ion:244 Resp: 1586496  
Ion Ratio Lower Upper  
244 100  
212 10.7 10.8 16.2#  
122 9.5 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

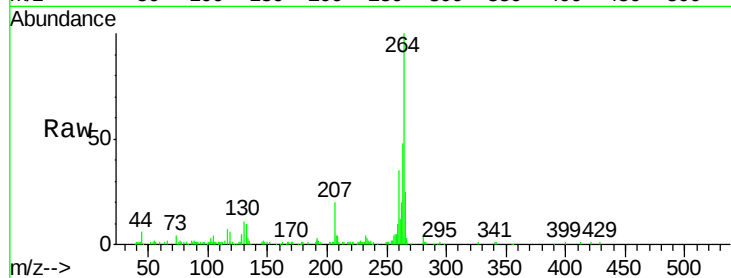




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 25.12 min Scan# 3792  
Delta R.T. -0.02 min  
Lab File: BG024179.D  
Acq: 1 Oct 2016 3:51

Instrument :  
BNA\_G  
ClientSampleId :  
WC-NON-TSCA-09272016

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 35.1  | 18.4  | 27.6# |
| 265     | 25.1  | 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

