

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG121215\  
 Data File : BG020114.D  
 Acq On : 11 Dec 2015 20:07  
 Operator : UM/SJ  
 Sample : G4729-11  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 W-53

Quant Time: Dec 11 23:32:34 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

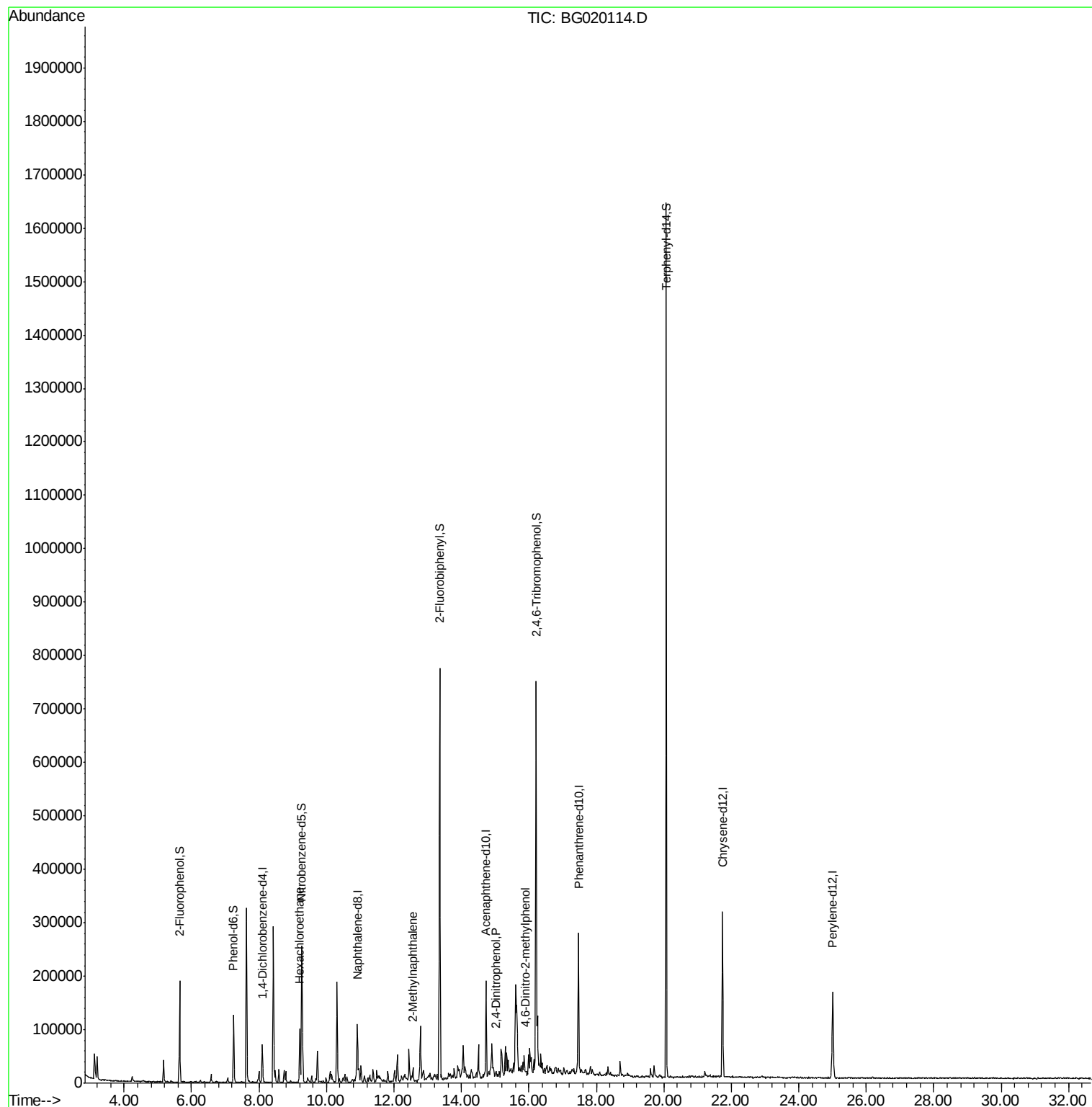
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.10  | 152  | 20068    | 20.00  | ng    | -0.04    |
| 21) Naphthalene-d8             | 10.92 | 136  | 84775    | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10           | 14.73 | 164  | 60780    | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10           | 17.47 | 188  | 154523   | 20.00  | ng    | -0.04    |
| 75) Chrysene-d12               | 21.74 | 240  | 192073   | 20.00  | ng    | -0.05    |
| 86) Perylene-d12               | 25.01 | 264  | 180017   | 20.00  | ng    | -0.09    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.65  | 112  | 78292    | 70.51  | ng    | -0.02    |
| 7) Phenol-d6                   | 7.25  | 99   | 73828    | 44.04  | ng    | -0.03    |
| 23) Nitrobenzene-d5            | 9.27  | 82   | 155380   | 93.54  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol       | 16.22 | 330  | 135778   | 146.00 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl           | 13.36 | 172  | 390308   | 87.68  | ng    | -0.03    |
| 78) Terphenyl-d14              | 20.07 | 244  | 717382   | 91.10  | ng    | -0.04    |
| Target Compounds               |       |      |          |        |       |          |
| 18) Hexachloroethane           | 9.21  | 117  | 16443    | 27.71  | ng    | # 1      |
| 37) 2-Methylnaphthalene        | 12.56 | 142  | 9173     | 2.76   | ng    | # 96     |
| 53) 2,4-Dinitrophenol          | 15.01 | 184  | 135      | 9.48   | ng    | # 42     |
| 64) 4,6-Dinitro-2-methylphenol | 15.91 | 198  | 168      | 6.28   | ng    | # 1      |

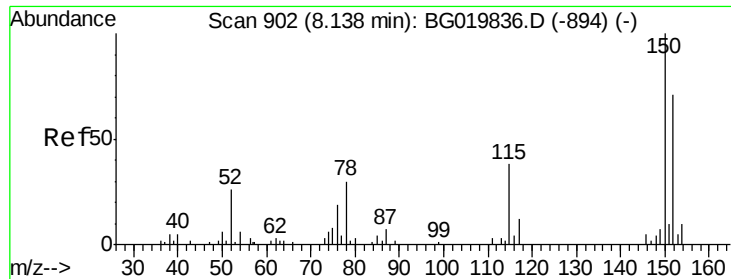
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
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Quant Time: Dec 11 23:32:34 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

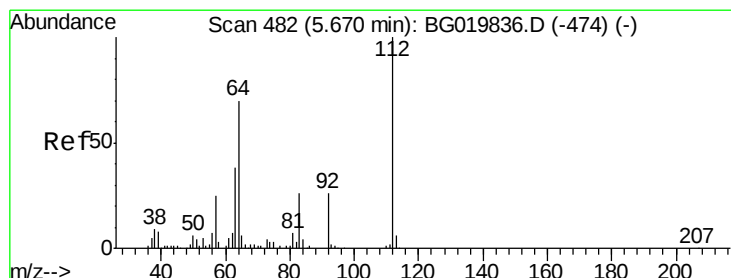
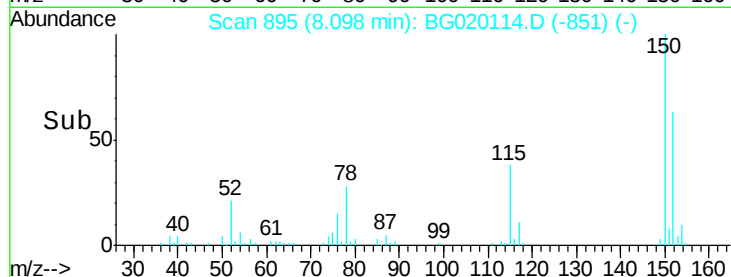
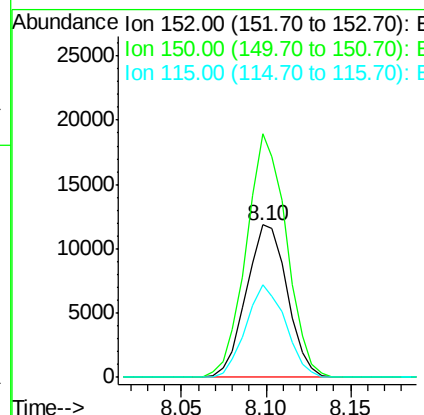
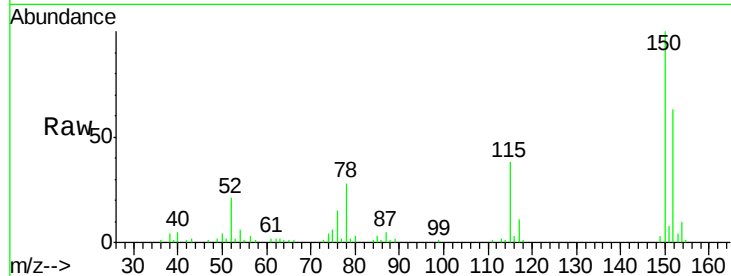




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 8.10 min Scan# 895  
 Delta R.T. -0.04 min  
 Lab File: BG020114.D  
 Acq: 11 Dec 2015 20:07

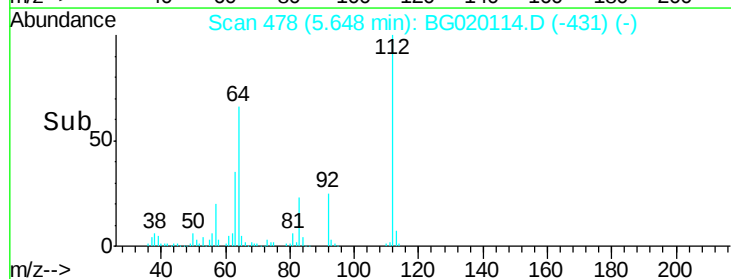
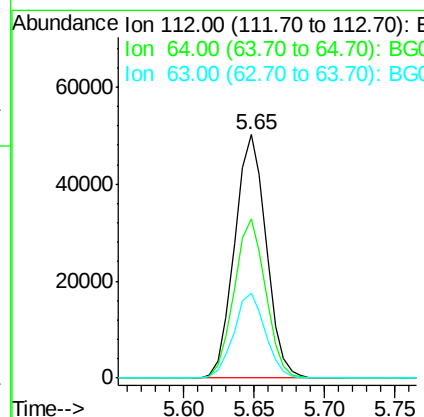
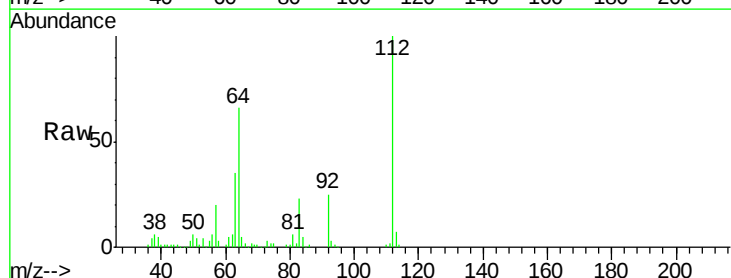
Instrument :  
 BNA\_G  
 ClientSampled :  
 W-53

Tgt Ion:152 Resp: 20068  
 Ion Ratio Lower Upper  
 152 100  
 150 159.5 115.0 172.4  
 115 60.4 43.9 65.9



#5  
 2-Fluorophenol  
 Concen: 70.51 ng  
 RT: 5.65 min Scan# 478  
 Delta R.T. -0.02 min  
 Lab File: BG020114.D  
 Acq: 11 Dec 2015 20:07

Tgt Ion:112 Resp: 78292  
 Ion Ratio Lower Upper  
 112 100  
 64 65.6 43.7 65.5#  
 63 35.0 24.0 36.0





#7

Phenol-d6

Concen: 44.04 ng

RT: 7.25 min Scan# 750

Delta R.T. -0.03 min

Lab File: BG020114.D

Acq: 11 Dec 2015 20:07

Instrument :

BNA\_G

ClientSampleId :

W-53

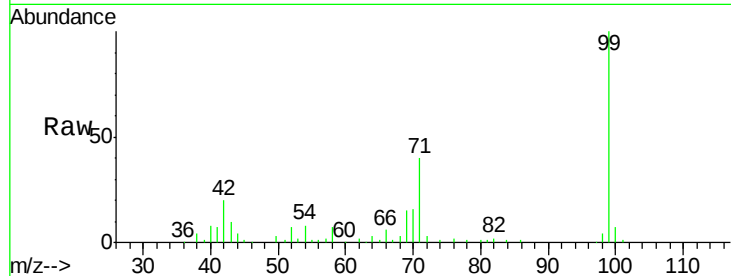
Tgt Ion: 99 Resp: 73828

Ion Ratio Lower Upper

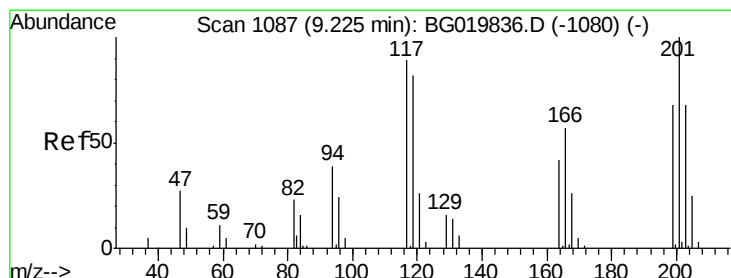
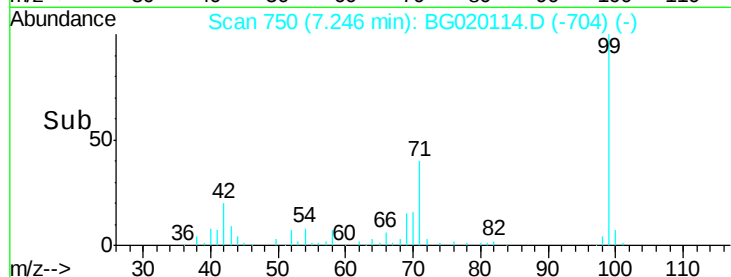
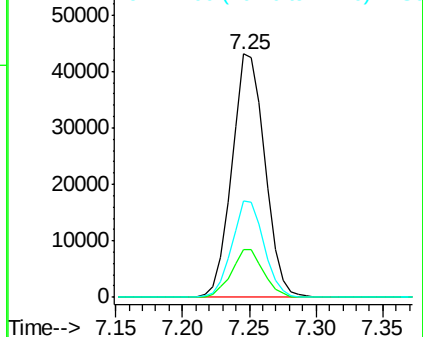
99 100

42 19.8 11.5 17.3#

71 39.6 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



#18

Hexachloroethane

Concen: 27.71 ng

RT: 9.21 min Scan# 1085

Delta R.T. -0.01 min

Lab File: BG020114.D

Acq: 11 Dec 2015 20:07

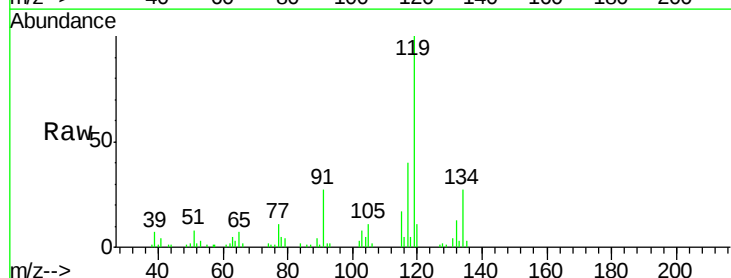
Tgt Ion: 117 Resp: 16443

Ion Ratio Lower Upper

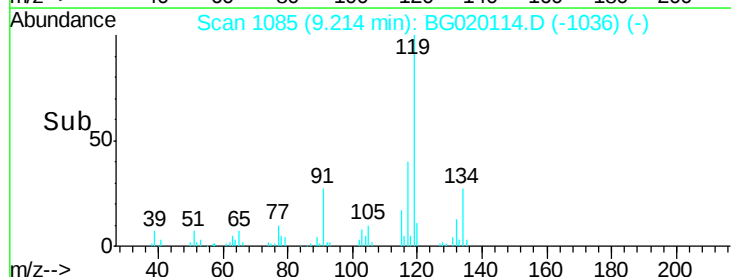
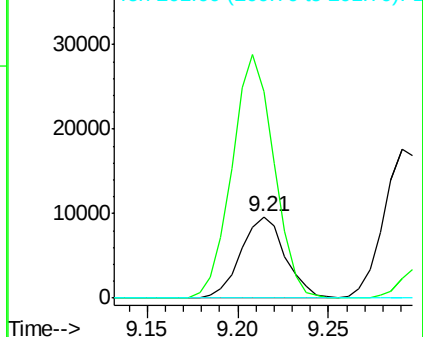
117 100

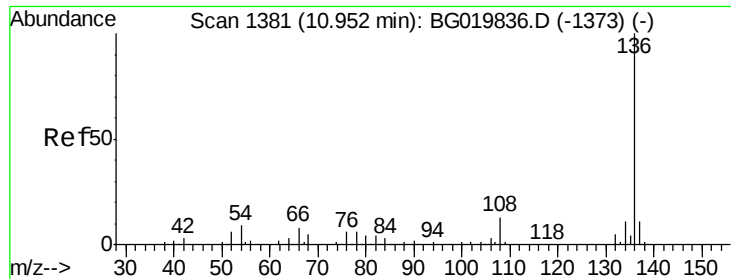
119 252.6 71.7 107.5#

201 0.0 90.9 136.3#



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

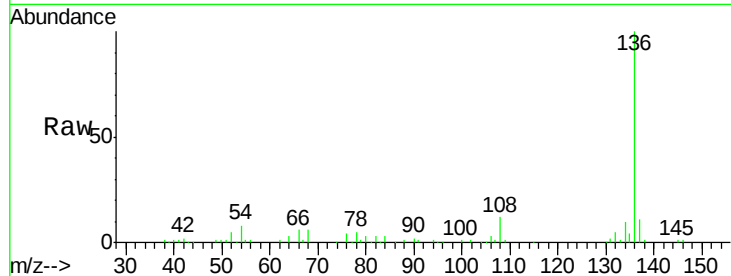




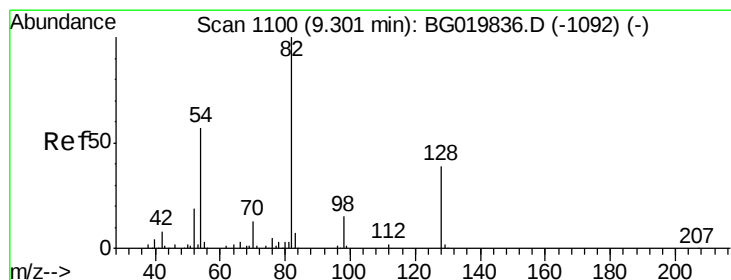
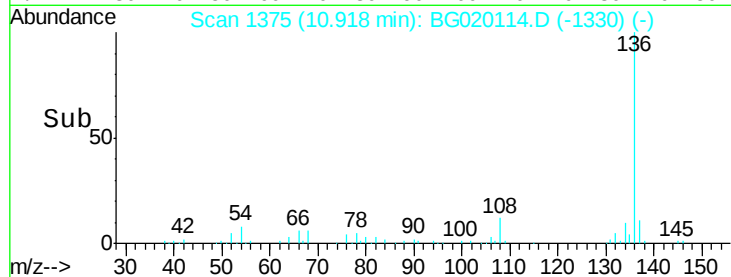
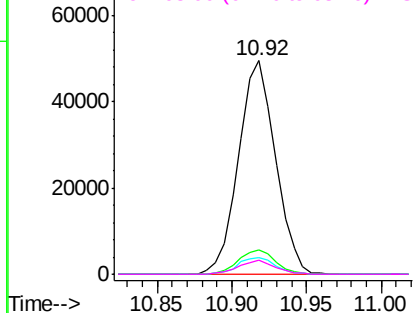
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.92 min Scan# 1375  
Delta R.T. -0.03 min  
Lab File: BG020114.D  
Acq: 11 Dec 2015 20:07

Instrument :  
BNA\_G  
ClientSampleId :  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 84775 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.3  | 8.6   | 12.8  |
| 54       | 8.1   | 5.4   | 8.2   |
| 68       | 6.5   | 5.3   | 7.9   |

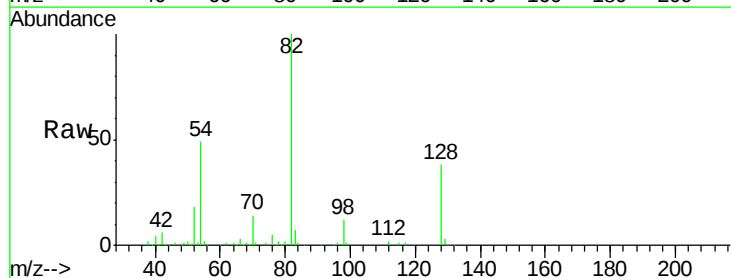


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

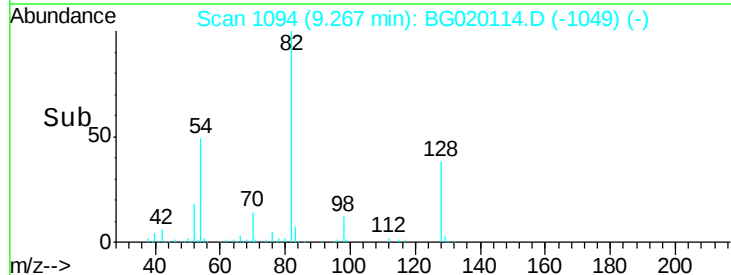
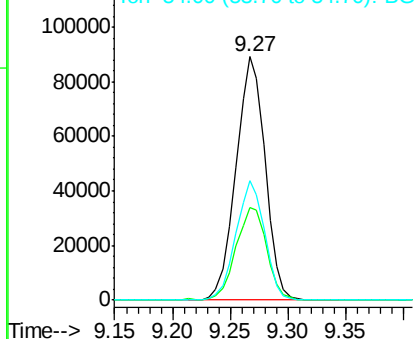


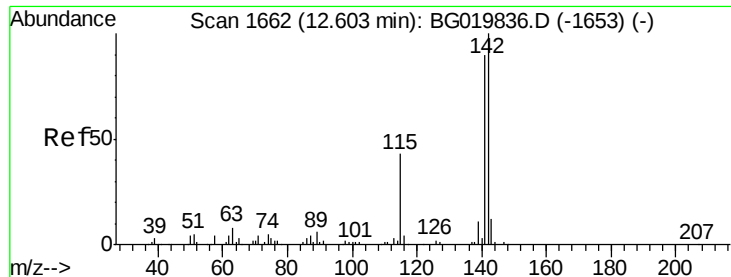
#23  
Nitrobenzene-d5  
Concen: 93.54 ng  
RT: 9.27 min Scan# 1094  
Delta R.T. -0.03 min  
Lab File: BG020114.D  
Acq: 11 Dec 2015 20:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 155380 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 38.0  | 36.7  | 55.1   |
| 54       | 49.1  | 33.8  | 50.8   |



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

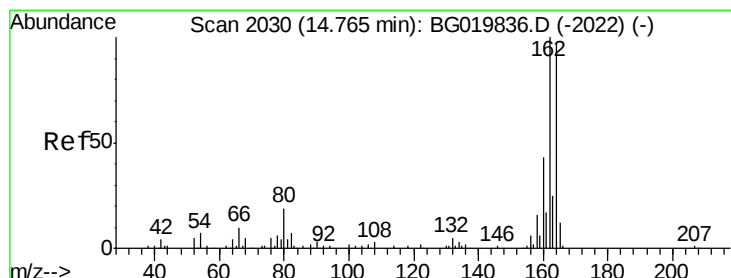
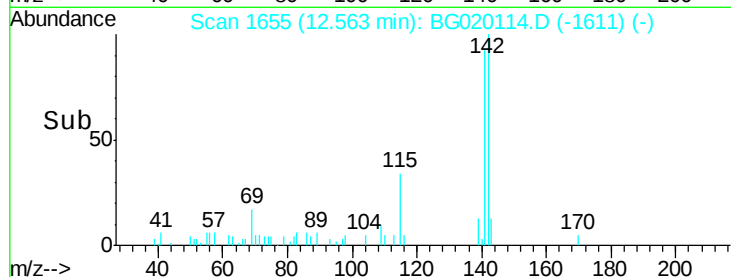
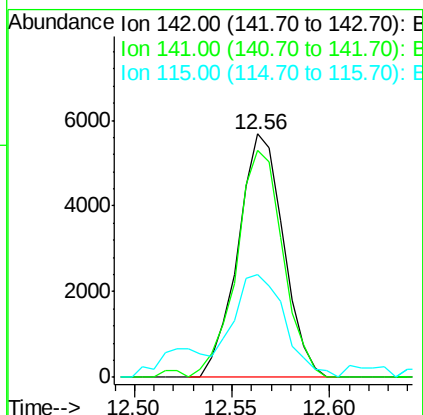
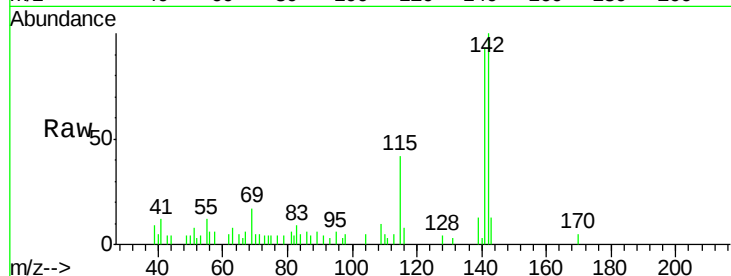




#37  
2-Methylnaphthalene  
Concen: 2.76 ng  
RT: 12.56 min Scan# 1655  
Delta R.T. -0.04 min  
Lab File: BG020114.D  
Acq: 11 Dec 2015 20:07

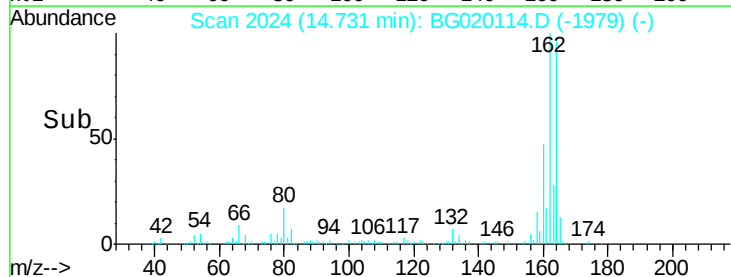
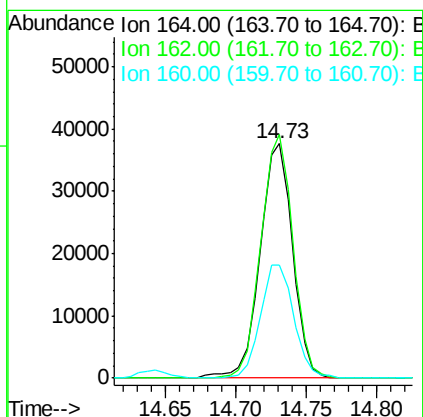
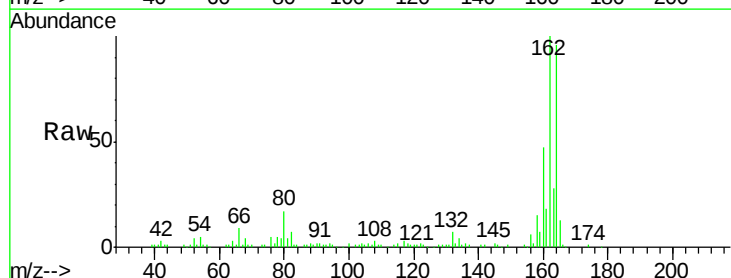
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W-53

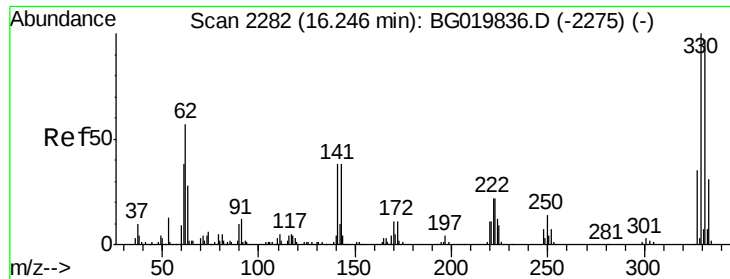
Tgt Ion:142 Resp: 9173  
Ion Ratio Lower Upper  
142 100  
141 93.1 74.6 112.0  
115 42.4 27.4 41.0#



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.73 min Scan# 2024  
Delta R.T. -0.03 min  
Lab File: BG020114.D  
Acq: 11 Dec 2015 20:07

Tgt Ion:164 Resp: 60780  
Ion Ratio Lower Upper  
164 100  
162 103.9 78.8 118.2  
160 48.4 36.4 54.6

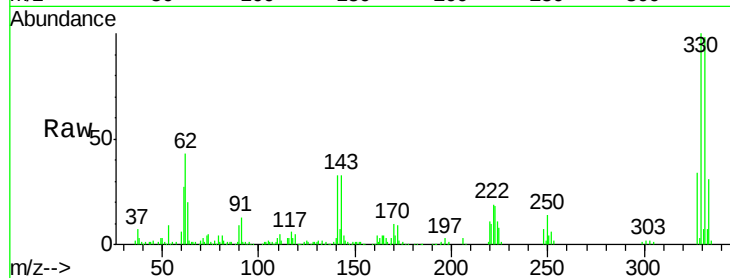




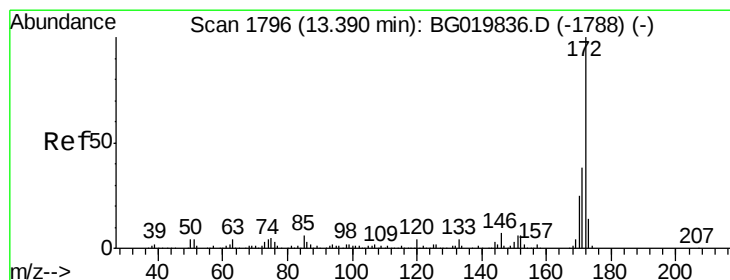
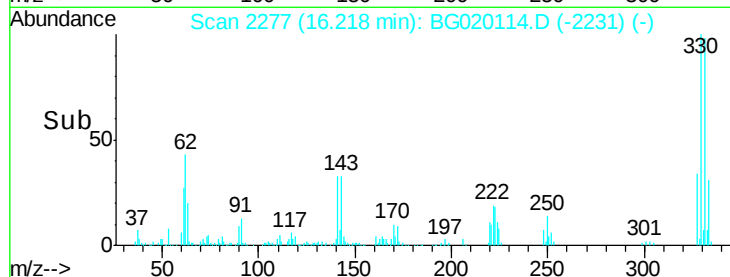
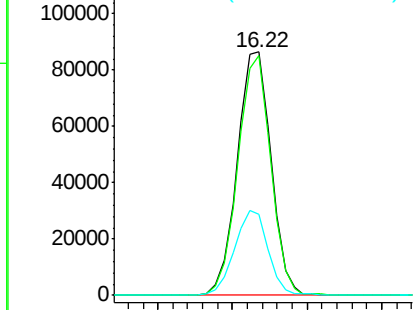
#41  
 2,4,6-Tribromophenol  
 Concen: 146.00 ng  
 RT: 16.22 min Scan# 2277  
 Delta R.T. -0.03 min  
 Lab File: BG020114.D  
 Acq: 11 Dec 2015 20:07

Instrument :  
 BNA\_G  
 ClientSampleId :  
 W-53

Tgt Ion:330 Resp: 135778  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 78.1 117.1  
 141 35.2 28.2 42.2

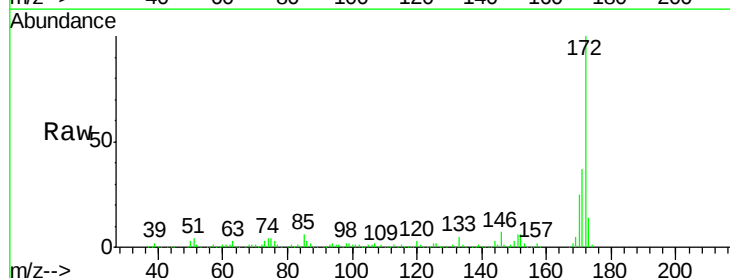


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 87.68 ng  
 RT: 13.36 min Scan# 1790  
 Delta R.T. -0.03 min  
 Lab File: BG020114.D  
 Acq: 11 Dec 2015 20:07

Tgt Ion:172 Resp: 390308  
 Ion Ratio Lower Upper  
 172 100  
 171 37.4 29.0 43.6  
 170 25.0 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

