

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012318\  
 Data File : BG032240.D  
 Acq On : 23 Jan 2018 20:25  
 Operator : SJ/JU  
 Sample : J1240-02  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jan 24 02:59:51 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 18 10:13:16 2018  
 Response via : Initial Calibration

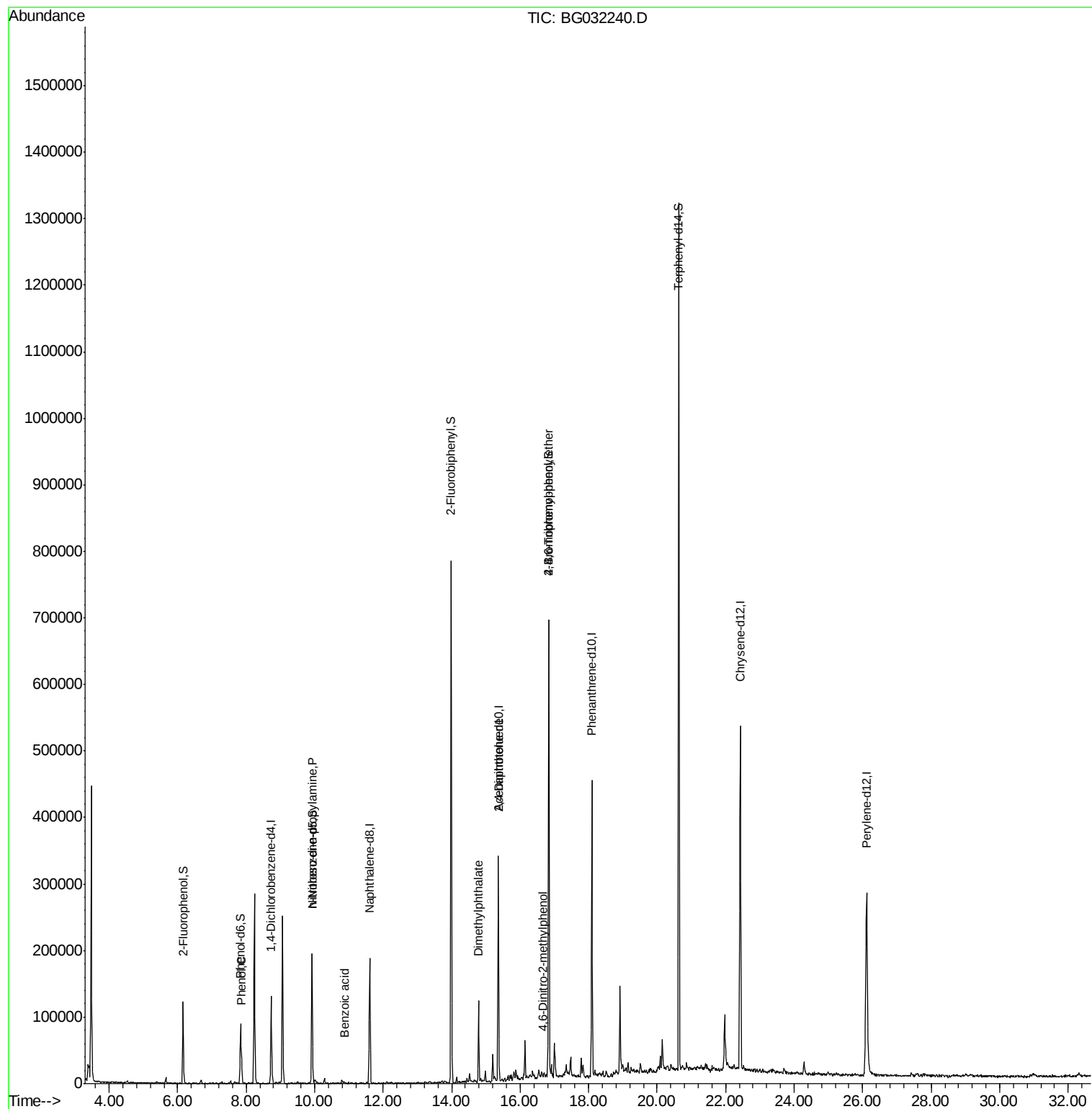
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.73  | 152  | 42114    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8             | 11.61 | 136  | 183646   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10           | 15.36 | 164  | 130059   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10           | 18.09 | 188  | 308764   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12               | 22.43 | 240  | 393769   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12               | 26.11 | 264  | 429066   | 20.00 | ng    | -0.04    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 6.16  | 112  | 62247    | 27.03 | ng    | -0.01    |
| 7) Phenol-d6                   | 7.83  | 99   | 52986    | 18.27 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 9.92  | 82   | 123008   | 45.32 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 16.83 | 330  | 155843   | 72.41 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 13.99 | 172  | 466016   | 44.43 | ng    | -0.02    |
| 78) Terphenyl-d14              | 20.63 | 244  | 711077   | 39.87 | ng    | -0.02    |
| Target Compounds               |       |      |          |       |       |          |
| 10) Phenol                     | 7.86  | 94   | 21966    | 7.689 | ng    | 87       |
| 19) n-Nitroso-di-n-propylamine | 9.92  | 70   | 17653    | 9.811 | ng    | # 69     |
| 32) Benzoic acid               | 10.87 | 122  | 530      | 5.487 | ng    | # 1      |
| 49) Dimethylphthalate          | 14.78 | 163  | 85833    | 7.542 | ng    | 97       |
| 56) 2,4-Dinitrotoluene         | 15.36 | 165  | 16915    | 5.318 | ng    | # 18     |
| 64) 4,6-Dinitro-2-methylphenol | 16.66 | 198  | 56       | 4.910 | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 16.83 | 248  | 13247    | 3.015 | ng    | # 1      |

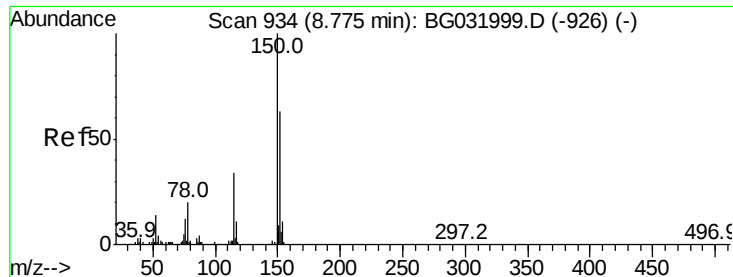
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Jan 24 02:59:51 2018  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jan 18 10:13:16 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.73 min Scan# 925

Delta R.T. -0.02 min

Lab File: BG032240.D

Acq: 23 Jan 2018 20:25

Instrument :

BNA\_G

ClientSampled :

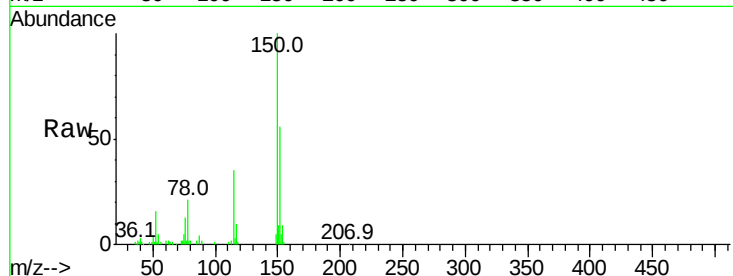
Tot Ion:152 Resp: 42114

Ion Ratio Lower Upper

152 100

150 178.2 126.6 189.8

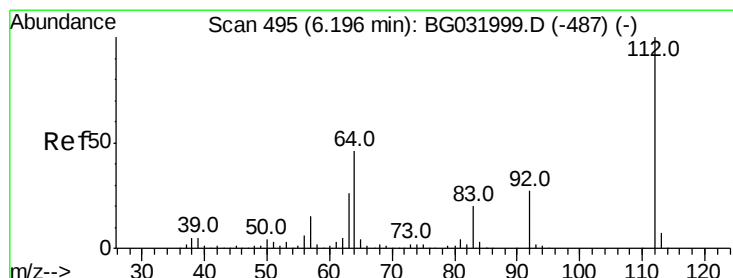
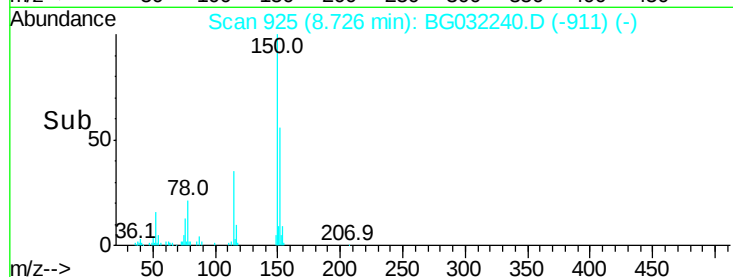
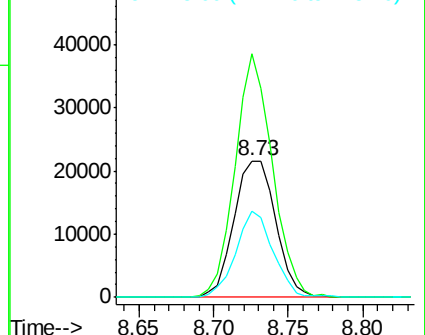
115 62.7 53.0 79.4



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: 27.033 ng

RT: 6.16 min Scan# 488

Delta R.T. -0.01 min

Lab File: BG032240.D

Acq: 23 Jan 2018 20:25

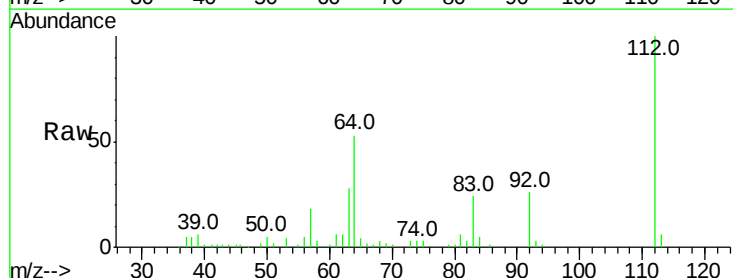
Tgt Ion:112 Resp: 62247

Ion Ratio Lower Upper

112 100

64 53.2 56.3 84.5#

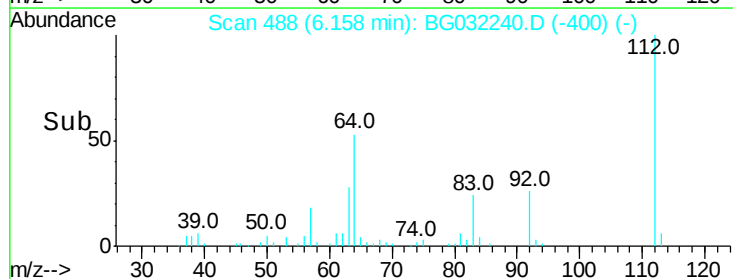
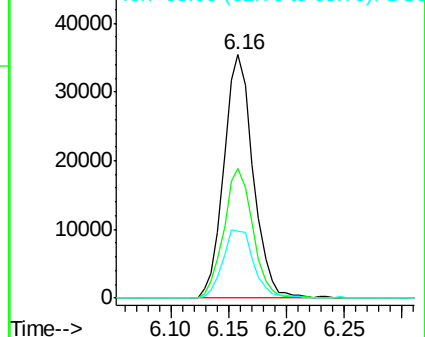
63 27.7 30.1 45.1#

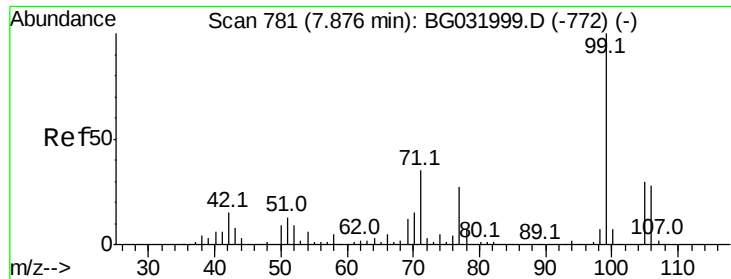


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 18.271 ng

RT: 7.83 min Scan# 773

Delta R.T. -0.02 min

Lab File: BG032240.D

Acq: 23 Jan 2018 20:25

Instrument :

BNA\_G

ClientSampleId :

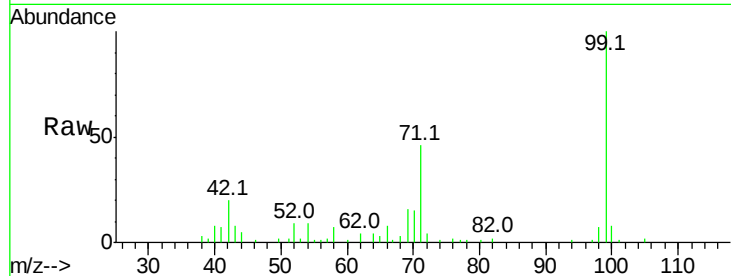
Tot Ion: 99 Resp: 52986

Ion Ratio Lower Upper

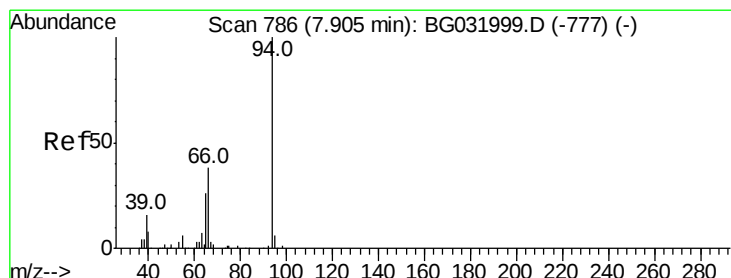
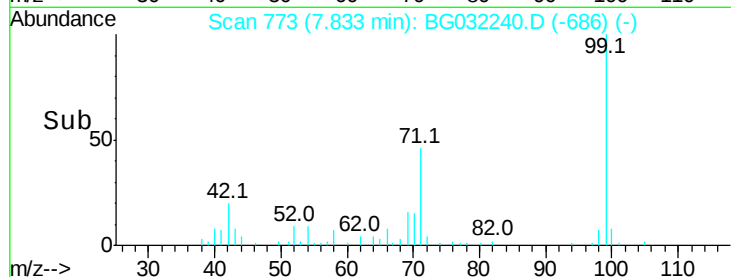
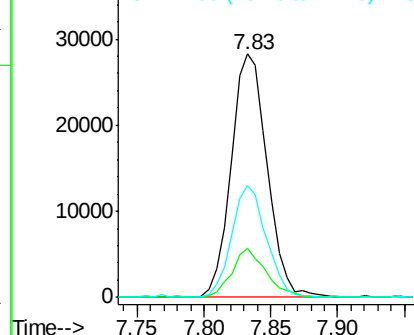
99 100

42 19.9 14.1 21.1

71 46.1 26.1 39.1#



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



#10

Phenol

Concen: 7.689 ng

RT: 7.86 min Scan# 778

Delta R.T. -0.02 min

Lab File: BG032240.D

Acq: 23 Jan 2018 20:25

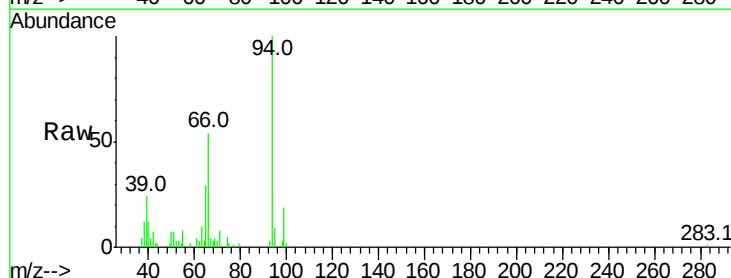
Tgt Ion: 94 Resp: 21966

Ion Ratio Lower Upper

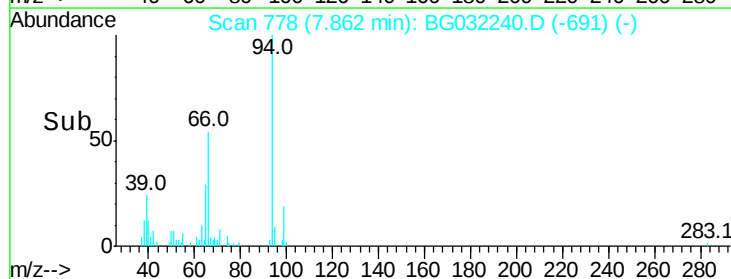
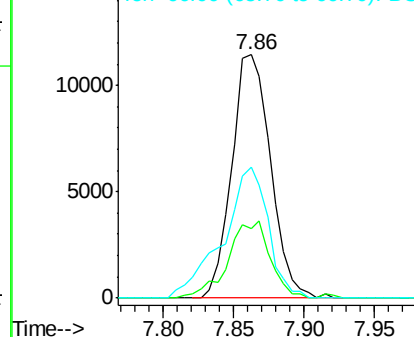
94 100

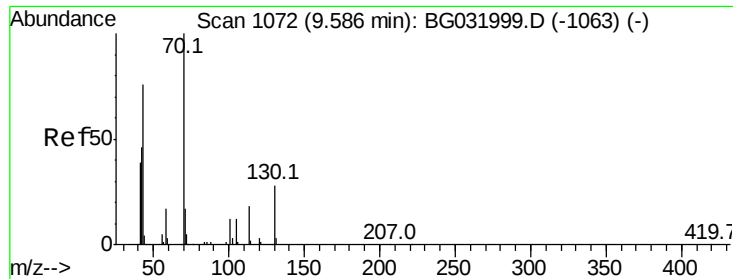
65 28.6 11.9 51.9

66 53.6 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

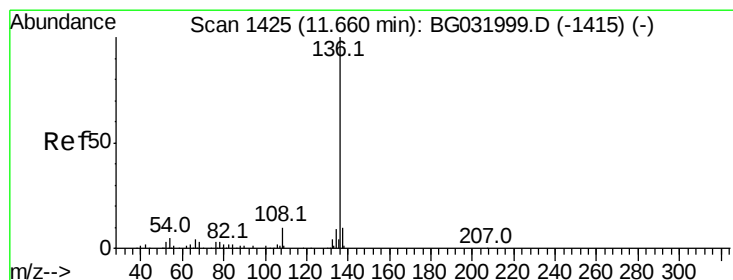
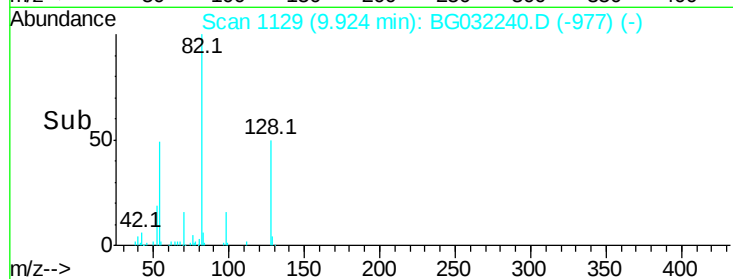
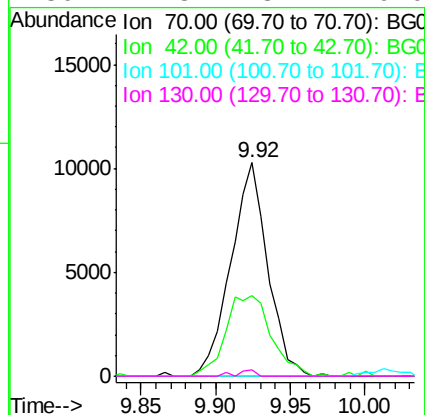
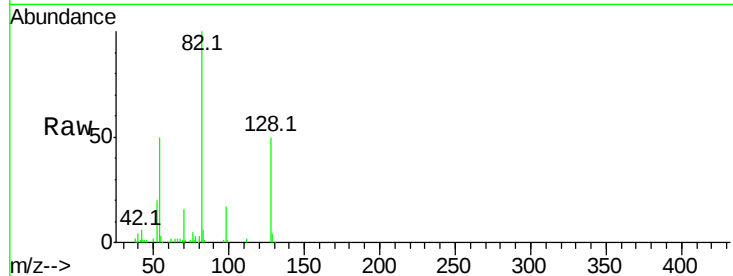




#19  
n-Nitroso-di-n-propylamine  
Concen: 9.811 ng  
RT: 9.92 min Scan# 1129  
Delta R.T. 0.37 min  
Lab File: BG032240.D  
Acq: 23 Jan 2018 20:25

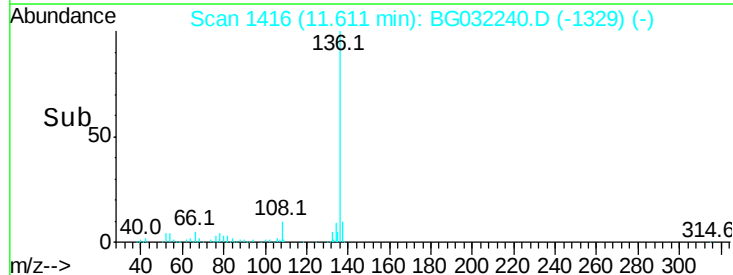
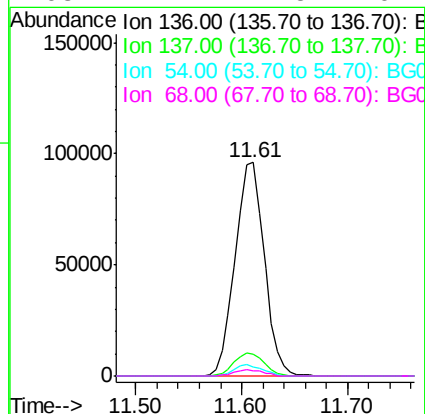
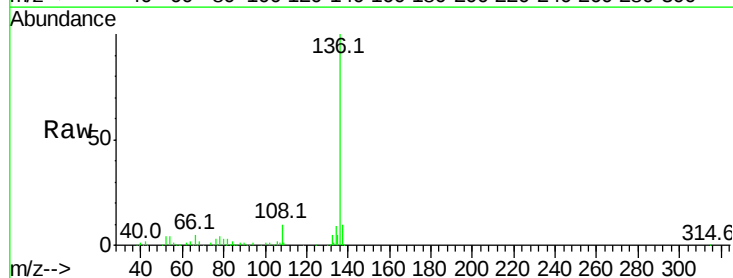
Instrument :  
BNA\_G  
ClientSampleId :

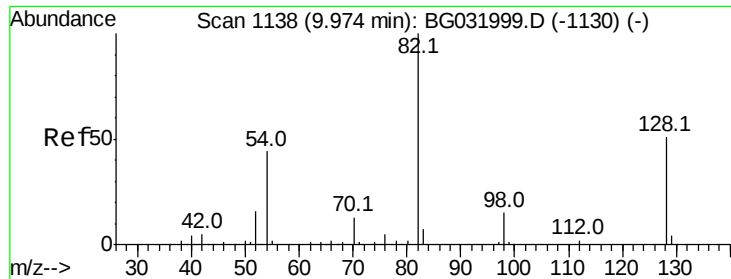
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 70    | Resp: | 17653 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 37.8  | 49.1  | 73.7# |
| 101      | 0.0   | 8.5   | 12.7# |
| 130      | 2.8   | 13.4  | 20.0# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.61 min Scan# 1416  
Delta R.T. -0.02 min  
Lab File: BG032240.D  
Acq: 23 Jan 2018 20:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 183646 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.0  | 9.2   | 13.8   |
| 54       | 4.2   | 10.3  | 15.5#  |
| 68       | 2.2   | 4.5   | 6.7#   |

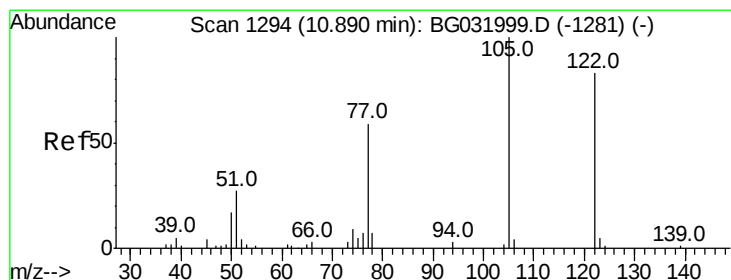
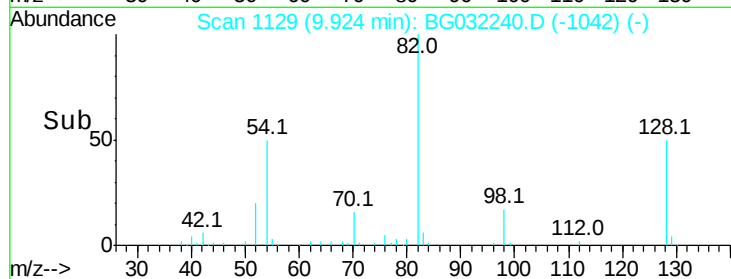
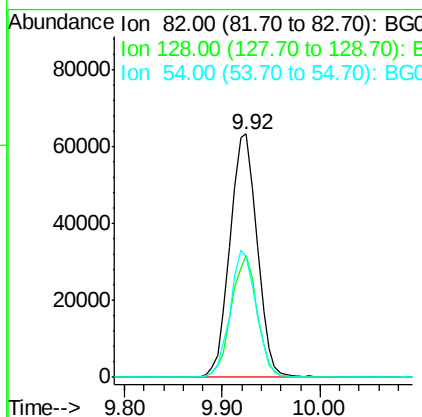
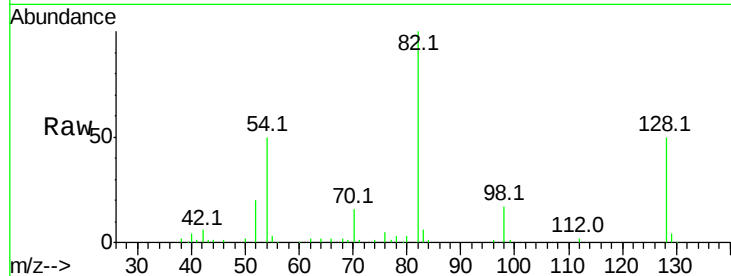




#23  
 Nitrobenzene-d5  
 Concen: 45.316 ng  
 RT: 9.92 min Scan# 1129  
 Delta R.T. -0.02 min  
 Lab File: BG032240.D  
 Acq: 23 Jan 2018 20:25

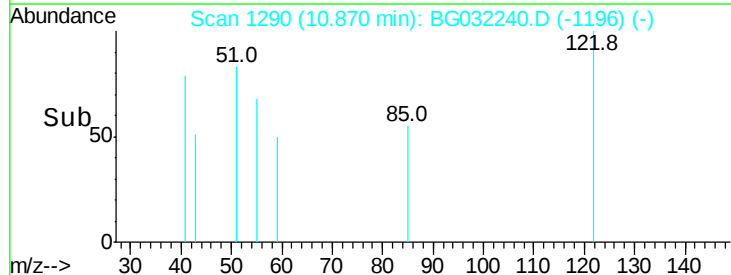
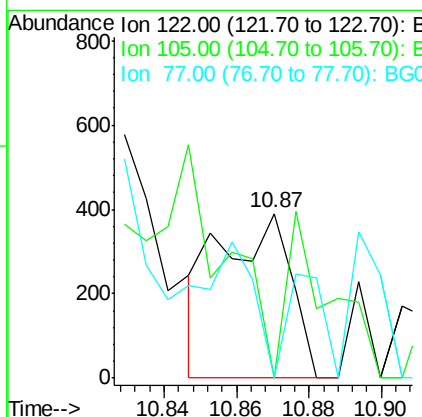
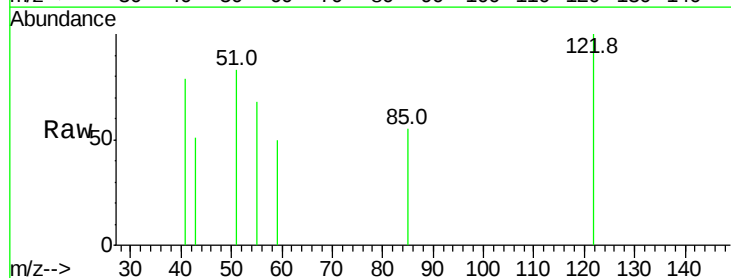
Instrument :  
 BNA\_G  
 ClientSampled :

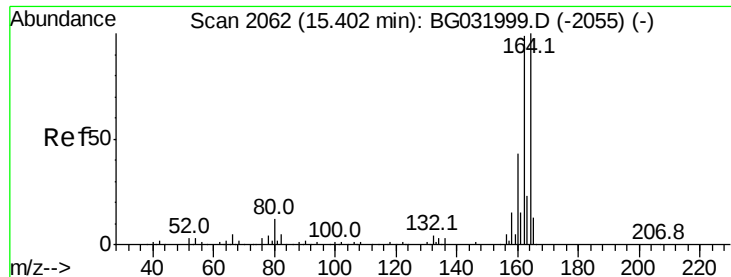
Tot Ion: 82 Resp: 123008  
 Ion Ratio Lower Upper  
 82 100  
 128 49.9 29.7 44.5#  
 54 49.8 43.1 64.7



#32  
 Benzoic acid  
 Concen: 5.487 ng  
 RT: 10.87 min Scan# 1290  
 Delta R.T. 0.02 min  
 Lab File: BG032240.D  
 Acq: 23 Jan 2018 20:25

Tgt Ion:122 Resp: 530  
 Ion Ratio Lower Upper  
 122 100  
 105 0.0 123.5 163.5#  
 77 0.0 85.7 125.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2054

Delta R.T. -0.02 min

Lab File: BG032240.D

Acq: 23 Jan 2018 20:25

Instrument :

BNA\_G

ClientSampleId :

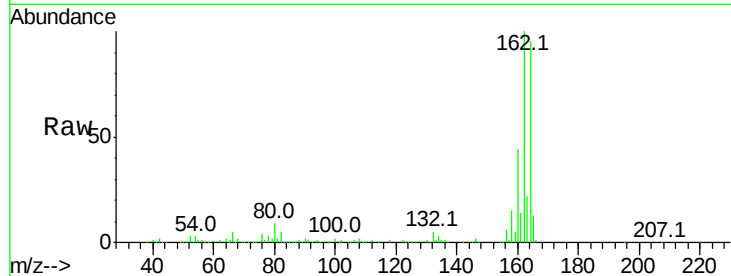
Tot Ion:164 Resp: 130059

Ion Ratio Lower Upper

164 100

162 104.9 78.8 118.2

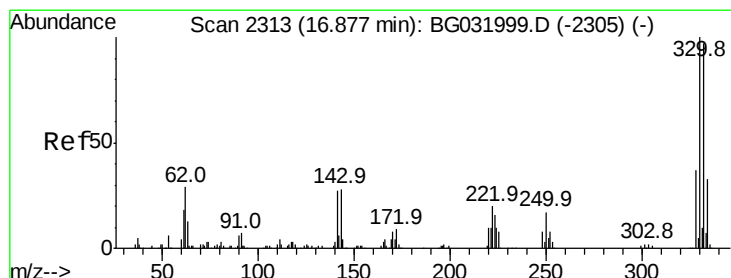
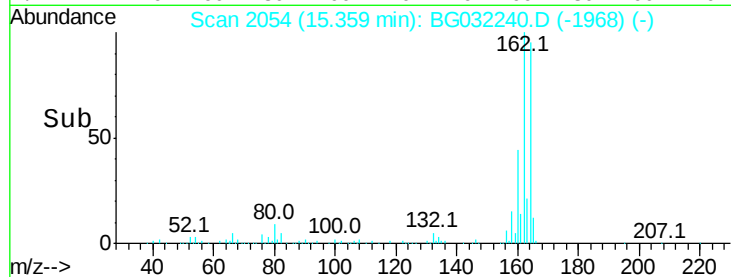
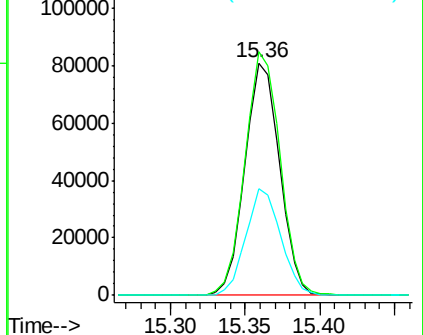
160 45.8 35.4 53.0



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



#41

2,4,6-Tribromophenol

Concen: 72.412 ng

RT: 16.83 min Scan# 2305

Delta R.T. -0.02 min

Lab File: BG032240.D

Acq: 23 Jan 2018 20:25

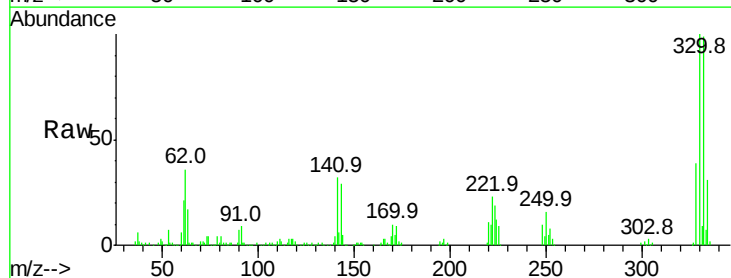
Tgt Ion:330 Resp: 155843

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

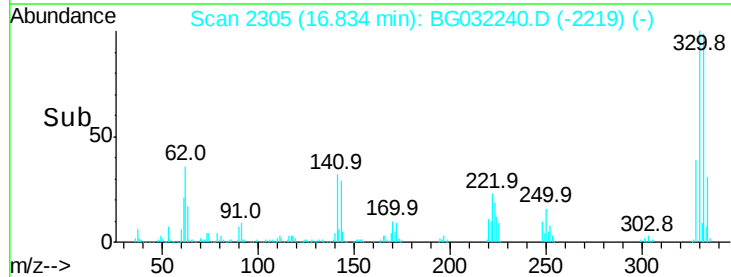
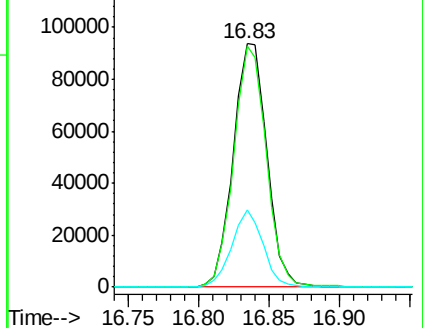
141 29.4 25.2 37.8

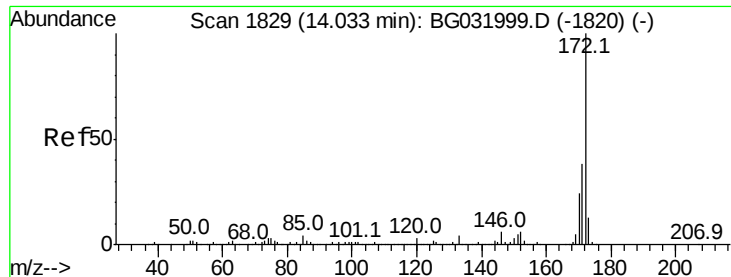


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

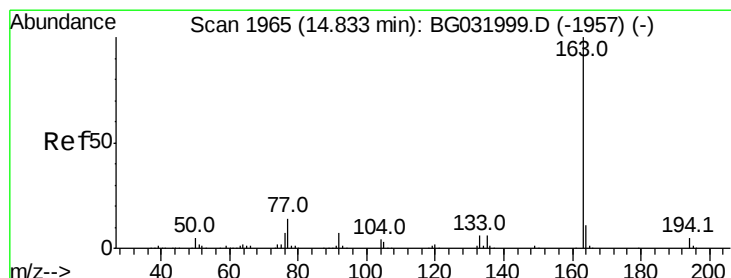
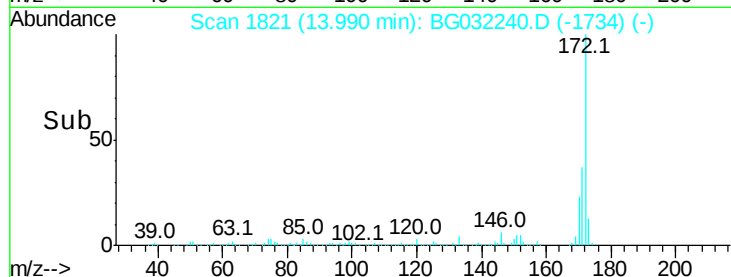
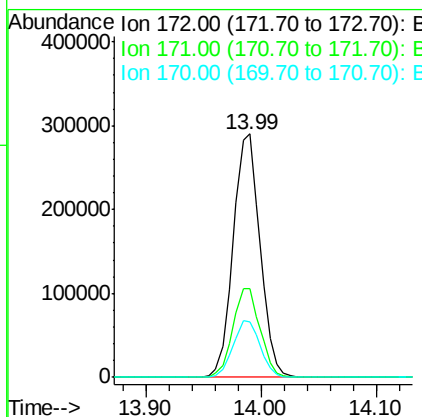
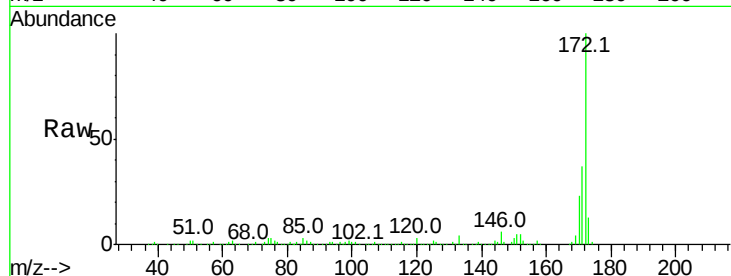




#44  
2-Fluorobiphenyl  
Concen: 44.429 ng  
RT: 13.99 min Scan# 1821  
Delta R.T. -0.02 min  
Lab File: BG032240.D  
Acq: 23 Jan 2018 20:25

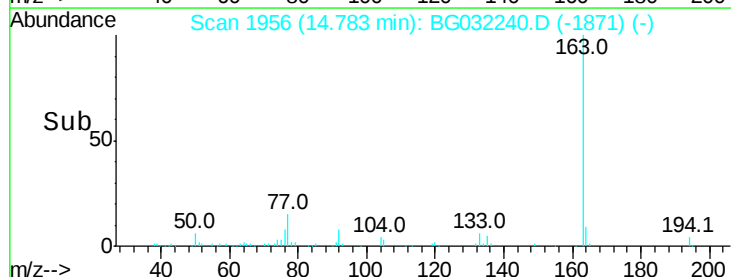
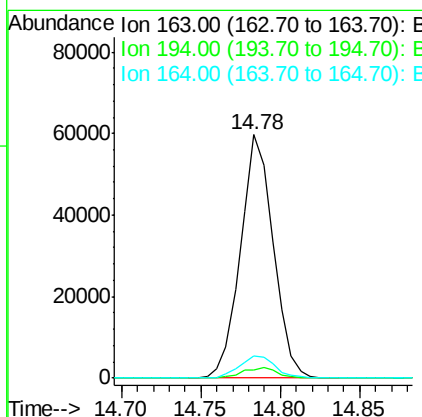
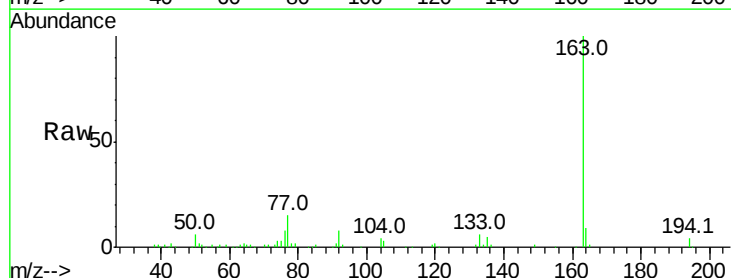
Instrument :  
BNA\_G  
ClientSampleId :

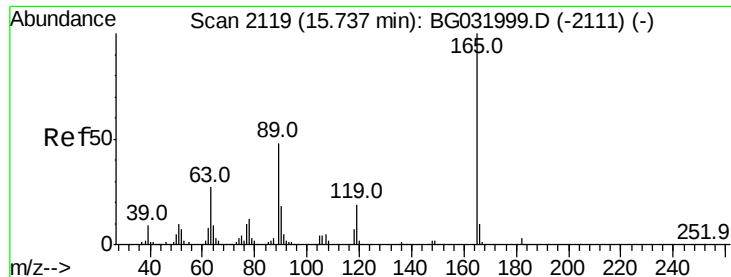
Tot Ion:172 Resp: 466016  
Ion Ratio Lower Upper  
172 100  
171 36.7 30.0 45.0  
170 22.6 19.5 29.3



#49  
Dimethylphthalate  
Concen: 7.542 ng  
RT: 14.78 min Scan# 1956  
Delta R.T. -0.03 min  
Lab File: BG032240.D  
Acq: 23 Jan 2018 20:25

Tgt Ion:163 Resp: 85833  
Ion Ratio Lower Upper  
163 100  
194 3.6 3.4 5.2  
164 9.3 8.2 12.4

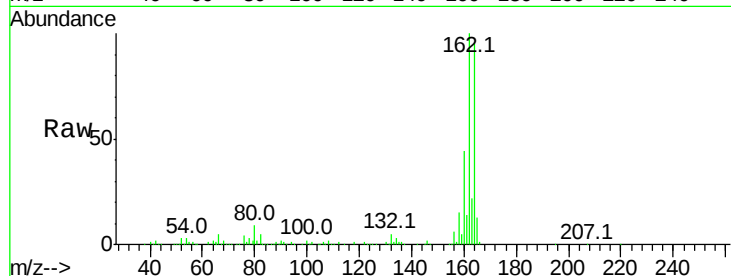




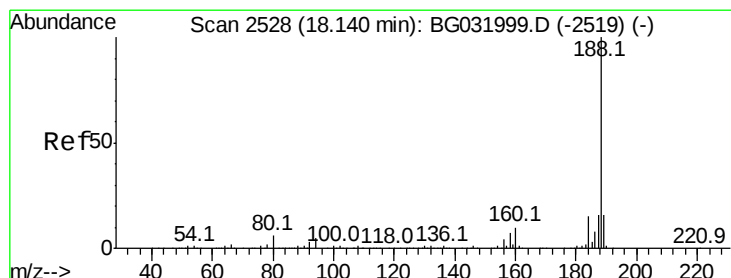
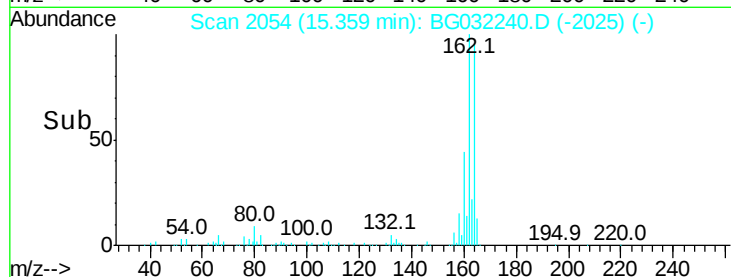
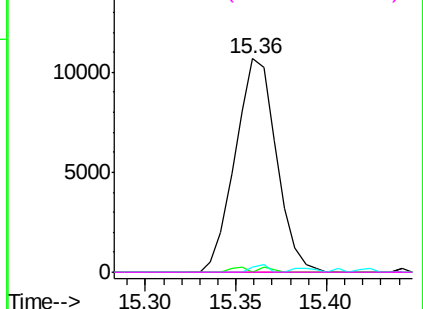
#56  
2,4-Dinitrotoluene  
Concen: 5.318 ng  
RT: 15.36 min Scan# 2054  
Delta R.T. -0.36 min  
Lab File: BG032240.D  
Acq: 23 Jan 2018 20:25

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:165 Resp: 16915  
Ion Ratio Lower Upper  
165 100  
63 0.0 42.0 63.0#  
89 2.2 66.9 100.3#  
182 0.0 2.6 3.8#

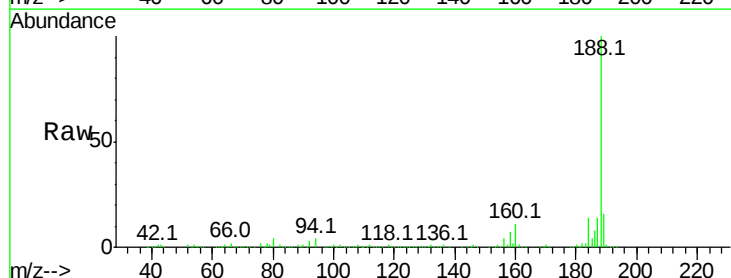


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 89.00 (88.70 to 89.70): BGC  
Ion 182.00 (181.70 to 182.70): E

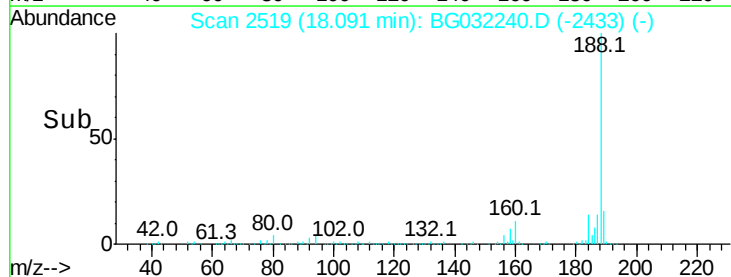
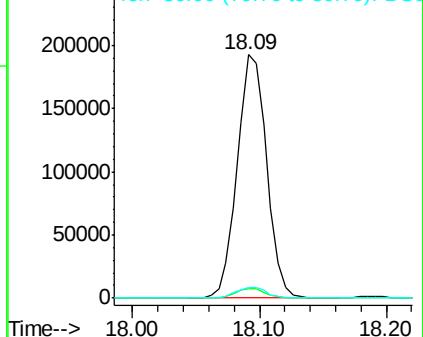


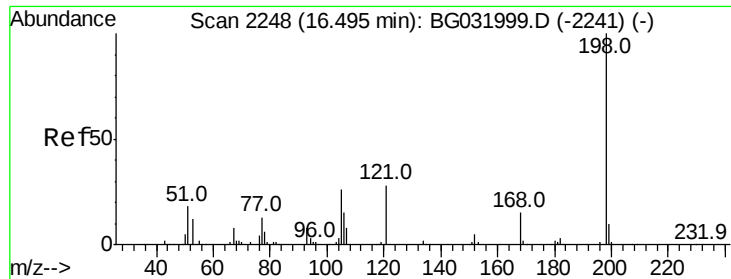
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.09 min Scan# 2519  
Delta R.T. -0.02 min  
Lab File: BG032240.D  
Acq: 23 Jan 2018 20:25

Tgt Ion:188 Resp: 308764  
Ion Ratio Lower Upper  
188 100  
94 3.9 6.9 10.3#  
80 4.4 7.7 11.5#



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

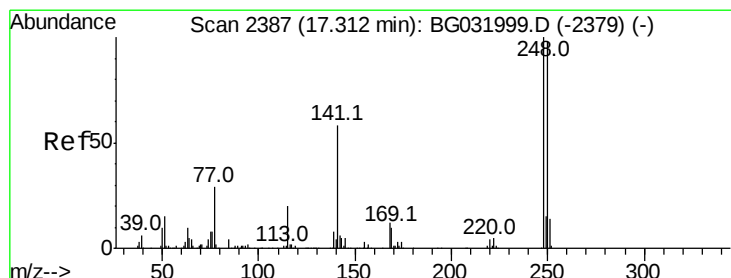
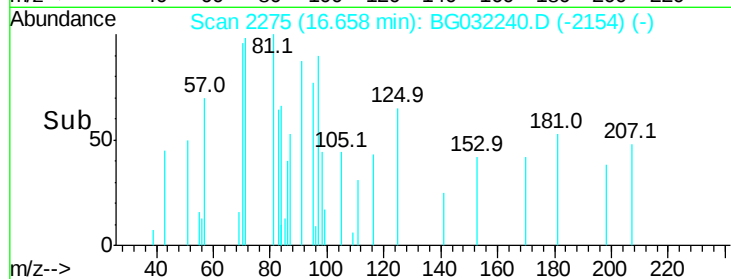
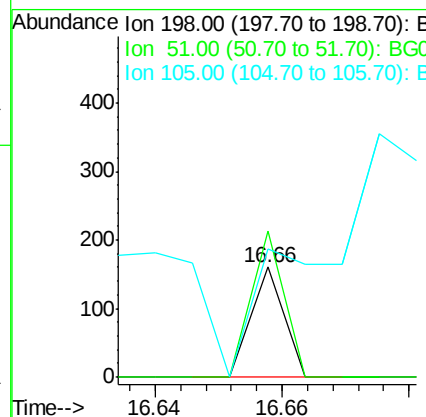
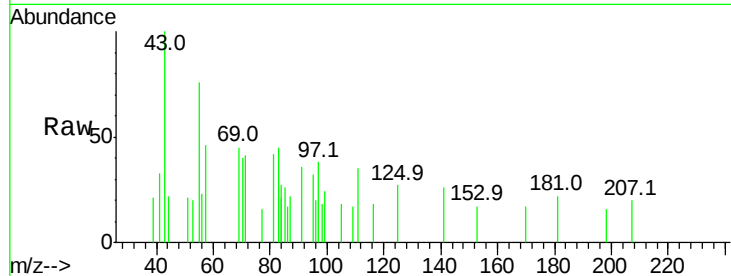




#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 4.910 ng  
 RT: 16.66 min Scan# 2275  
 Delta R.T. 0.18 min  
 Lab File: BG032240.D  
 Acq: 23 Jan 2018 20:25

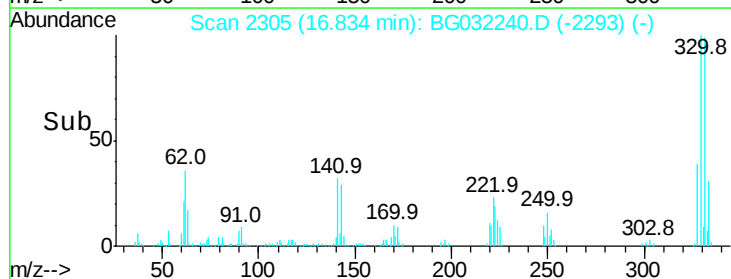
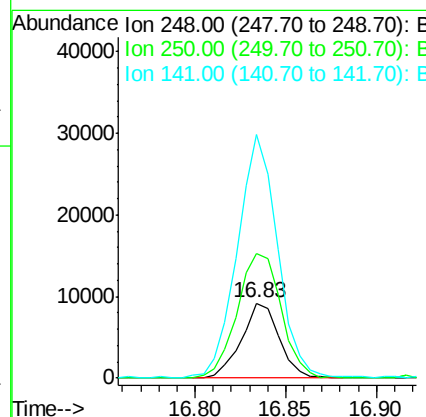
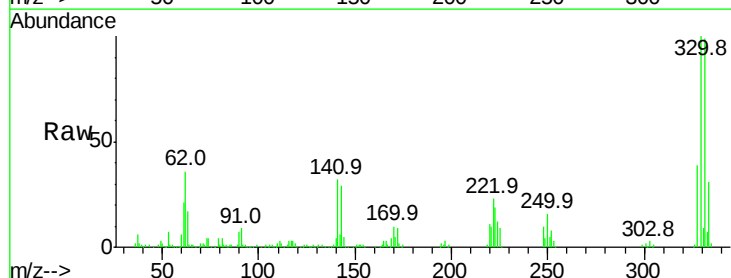
Instrument :  
 BNA\_G  
 ClientSampled :

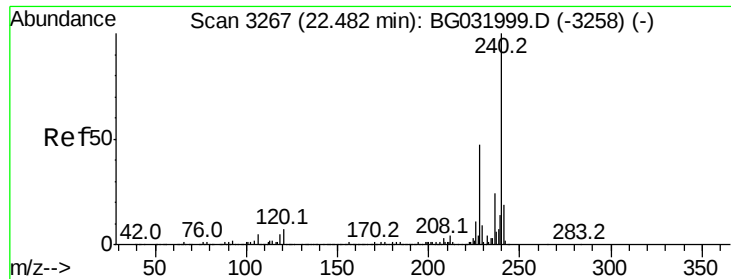
Tot Ion:198 Resp: 56  
 Ion Ratio Lower Upper  
 198 100  
 51 133.8 30.6 70.6#  
 105 116.9 23.8 63.8#



#66  
 4-Bromophenyl-phenylether  
 Concen: 3.015 ng  
 RT: 16.83 min Scan# 2305  
 Delta R.T. -0.46 min  
 Lab File: BG032240.D  
 Acq: 23 Jan 2018 20:25

Tgt Ion:248 Resp: 13247  
 Ion Ratio Lower Upper  
 248 100  
 250 167.1 77.1 115.7#  
 141 325.5 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.43 min Scan# 3257

Delta R.T. -0.02 min

Lab File: BG032240.D

Acq: 23 Jan 2018 20:25

Instrument :

BNA\_G

ClientSampled :

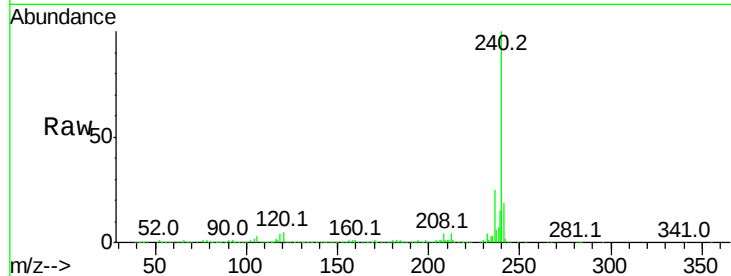
Tot Ion:240 Resp: 393769

Ion Ratio Lower Upper

240 100

120 4.6 6.8 10.2#

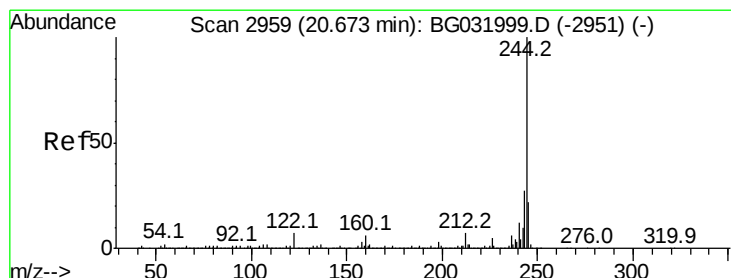
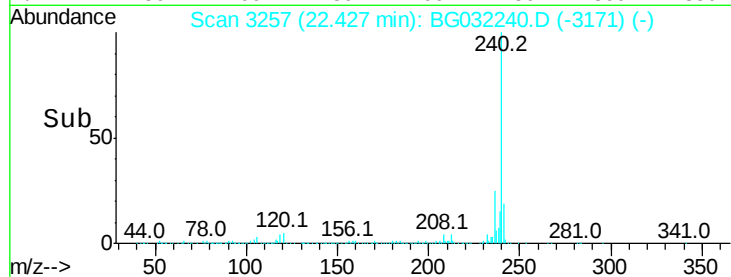
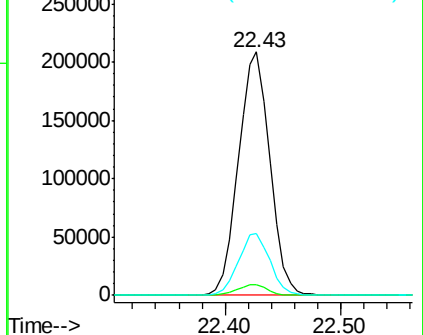
236 25.2 20.9 31.3



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: 39.873 ng

RT: 20.63 min Scan# 2951

Delta R.T. -0.02 min

Lab File: BG032240.D

Acq: 23 Jan 2018 20:25

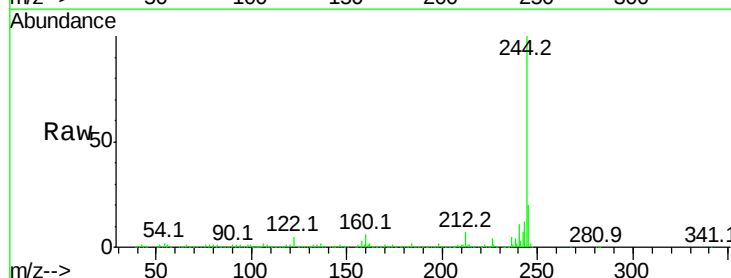
Tgt Ion:244 Resp: 711077

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

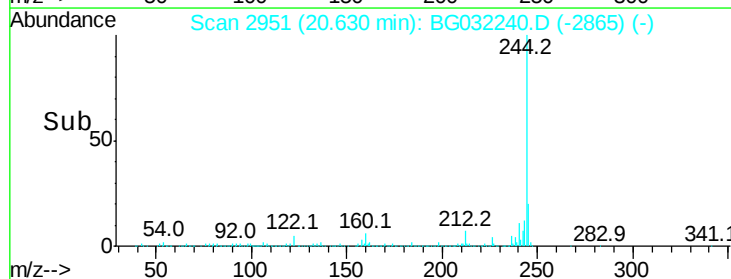
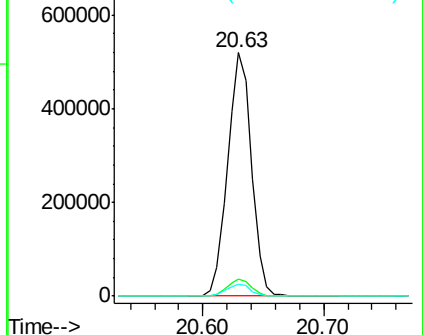
122 5.1 7.0 10.4#

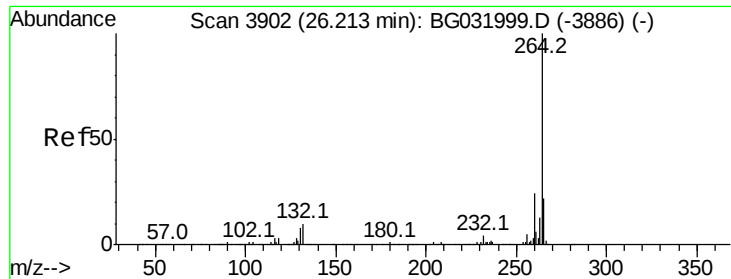


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

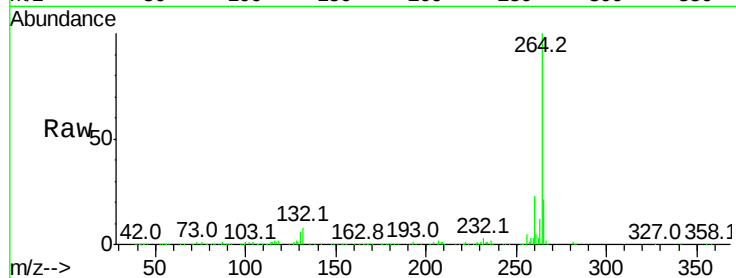




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 26.11 min Scan# 3884  
Delta R.T. -0.04 min  
Lab File: BG032240.D  
Acq: 23 Jan 2018 20:25

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 17.4  | 26.0  |
| 265     | 20.9  | 17.7  | 26.5  |

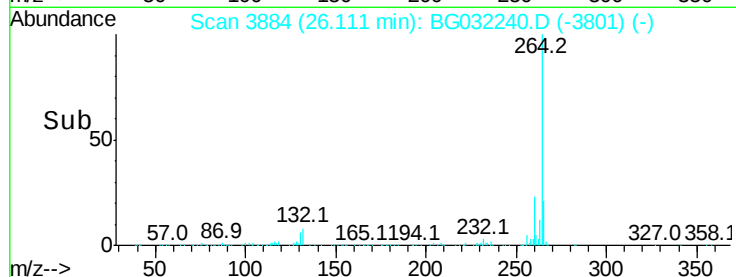
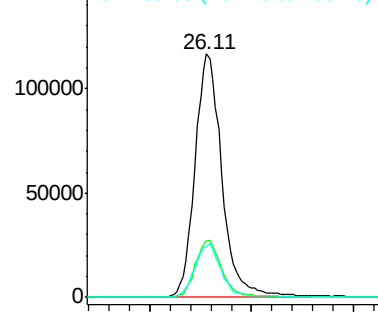


Abundance

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



Time-->