

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091817\  
 Data File : BG028816.D  
 Acq On : 19 Sep 2017 5:02  
 Operator : SJ/JU  
 Sample : I5265-01  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Sep 19 05:57:38 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 16:57:11 2017  
 Response via : Initial Calibration

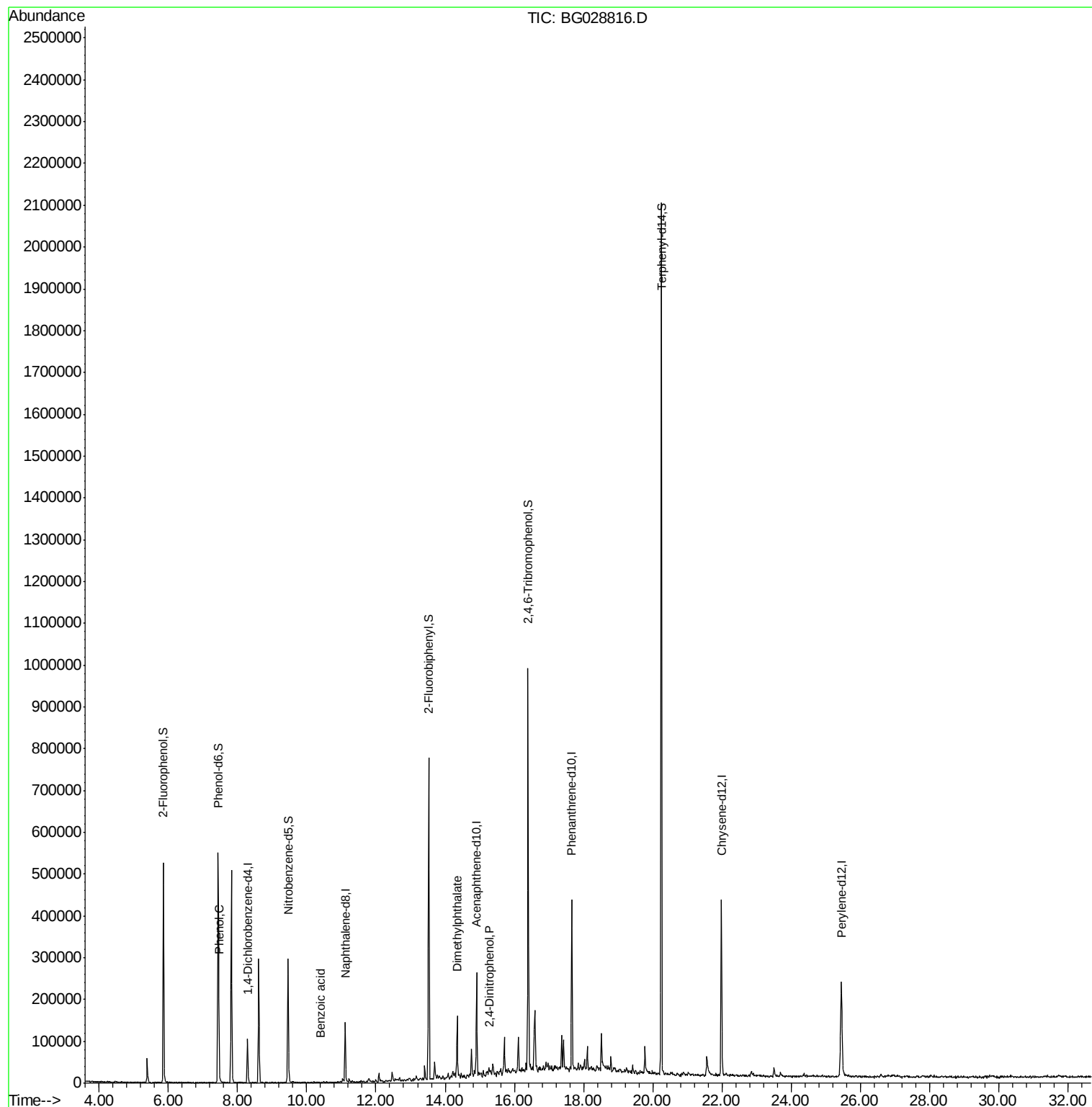
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.29  | 152  | 29768    | 20.00  | ng    | -0.04    |
| 21) Naphthalene-d8          | 11.11 | 136  | 123292   | 20.00  | ng    | -0.04    |
| 38) Acenaphthene-d10        | 14.90 | 164  | 92285    | 20.00  | ng    | -0.04    |
| 63) Phenanthrene-d10        | 17.66 | 188  | 256306   | 20.00  | ng    | -0.04    |
| 75) Chrysene-d12            | 21.98 | 240  | 292027   | 20.00  | ng    | -0.05    |
| 86) Perylene-d12            | 25.45 | 264  | 303308   | 20.00  | ng    | -0.08    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.86  | 112  | 224069   | 124.20 | ng    | -0.05    |
| 7) Phenol-d6                | 7.44  | 99   | 334255   | 123.06 | ng    | -0.05    |
| 23) Nitrobenzene-d5         | 9.46  | 82   | 200283   | 77.71  | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol    | 16.40 | 330  | 213280   | 139.73 | ng    | -0.04    |
| 44) 2-Fluorobiphenyl        | 13.52 | 172  | 427266   | 61.74  | ng    | -0.04    |
| 78) Terphenyl-d14           | 20.25 | 244  | 1015384  | 74.15  | ng    | -0.03    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.47  | 94   | 7187     | 2.51   | ng    | # 67     |
| 32) Benzoic acid            | 10.40 | 122  | 65       | 6.12   | ng    | # 1      |
| 49) Dimethylphthalate       | 14.35 | 163  | 57402    | 7.42   | ng    | 99       |
| 53) 2,4-Dinitrophenol       | 15.28 | 184  | 69       | 8.07   | ng    | # 15     |

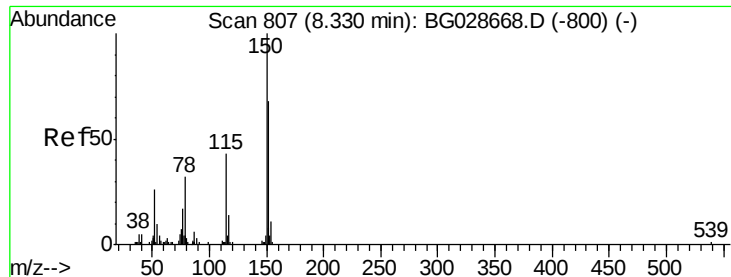
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 19 05:57:38 2017  
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Response via : Initial Calibration



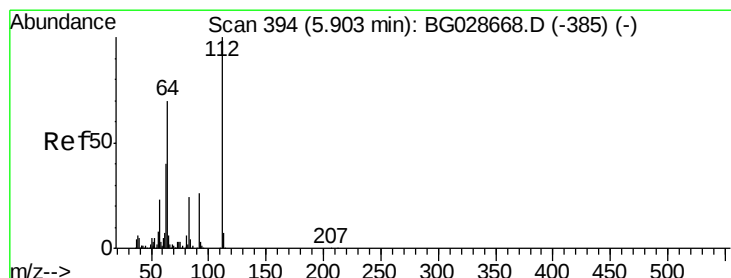
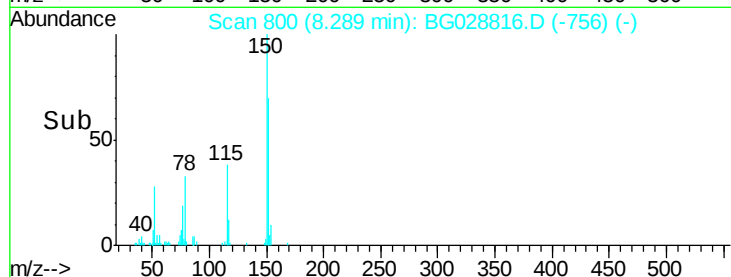
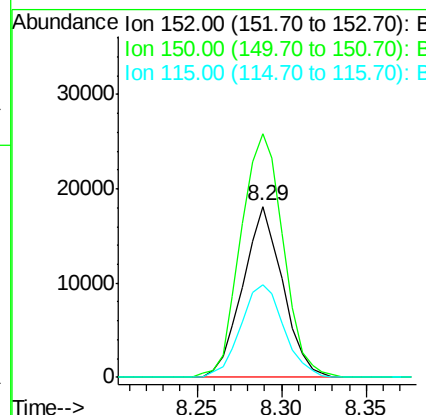
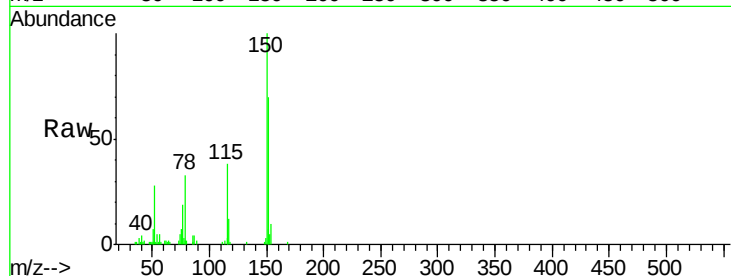


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.29 min Scan# 800  
Delta R.T. -0.04 min  
Lab File: BG028816.D  
Acq: 19 Sep 2017 5:02

Instrument :  
BNA\_G  
ClientSampleId :

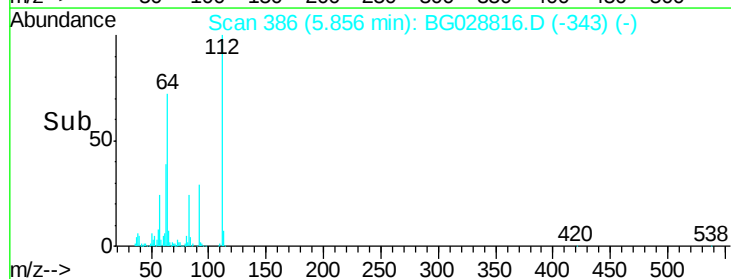
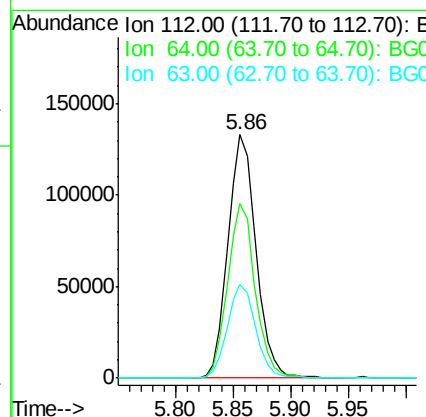
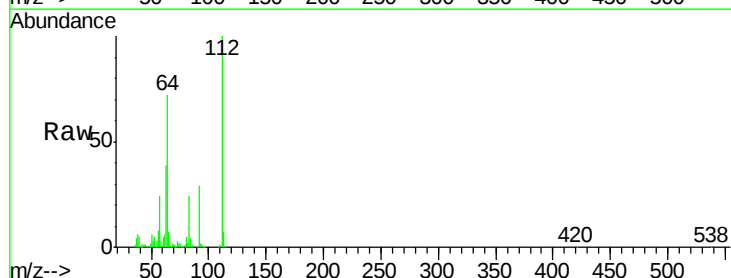
| Tot Ion   | 152   | Resp  | 29768 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 142.6 | 114.0 | 171.0 |
| 115       | 54.5  | 48.1  | 72.1  |

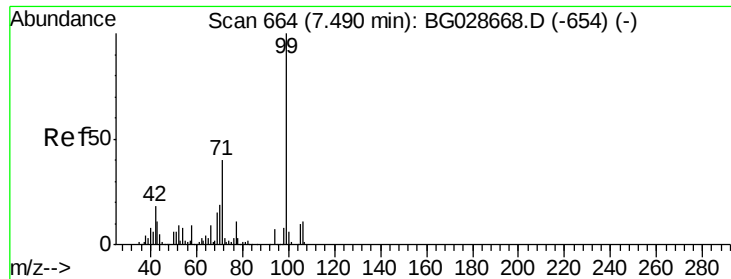


#5

2-Fluorophenol  
Concen: 124.20 ng  
RT: 5.86 min Scan# 386  
Delta R.T. -0.05 min  
Lab File: BG028816.D  
Acq: 19 Sep 2017 5:02

| Tgt Ion   | 112   | Resp  | 224069 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 71.7  | 61.8  | 92.6   |
| 63        | 38.5  | 37.2  | 55.8   |





#7

Phenol-d6

Concen: 123.06 ng

RT: 7.44 min Scan# 656

Delta R.T. -0.05 min

Lab File: BG028816.D

Acq: 19 Sep 2017 5:02

Instrument :

BNA\_G

ClientSampled :

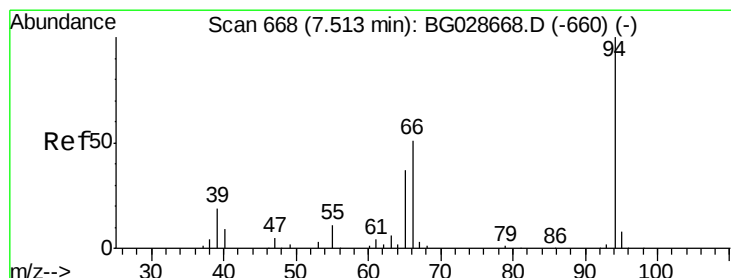
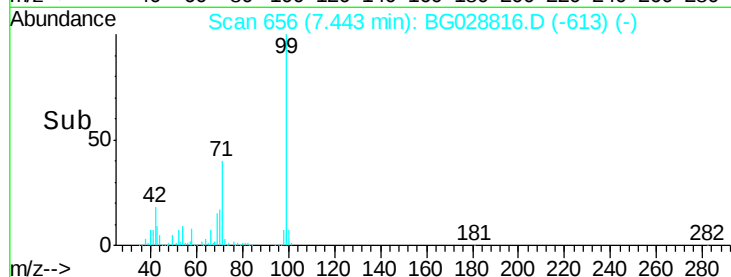
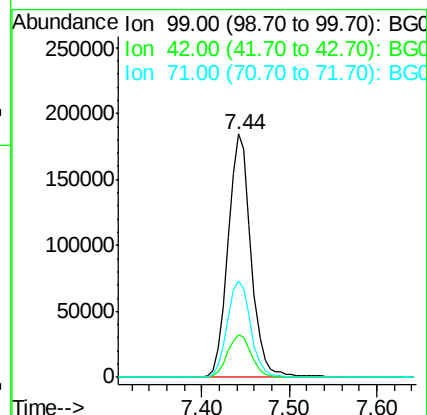
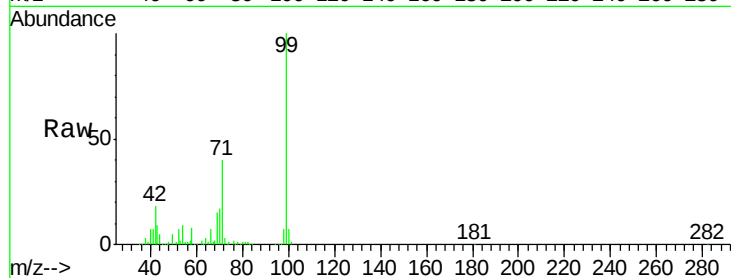
Tot Ion: 99 Resp: 334255

Ion Ratio Lower Upper

99 100

42 17.7 20.5 30.7#

71 39.6 37.6 56.4



#10

Phenol

Concen: 2.51 ng

RT: 7.47 min Scan# 660

Delta R.T. -0.05 min

Lab File: BG028816.D

Acq: 19 Sep 2017 5:02

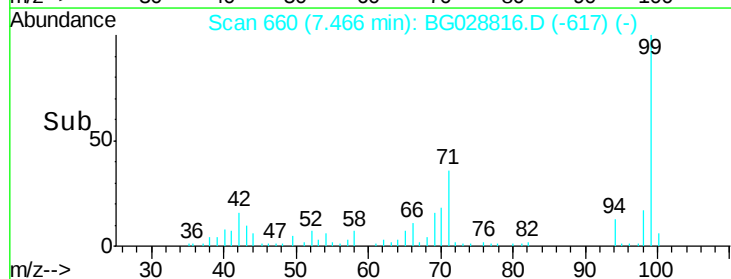
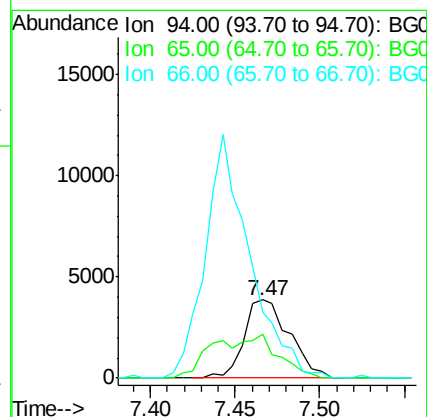
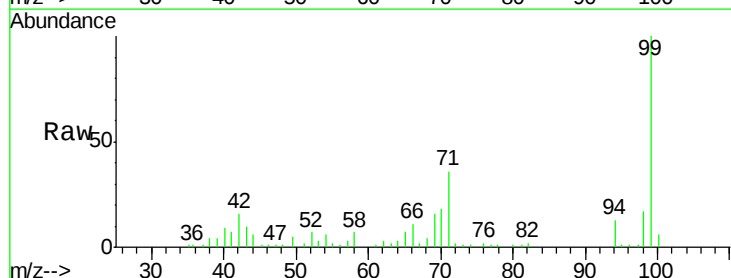
Tgt Ion: 94 Resp: 7187

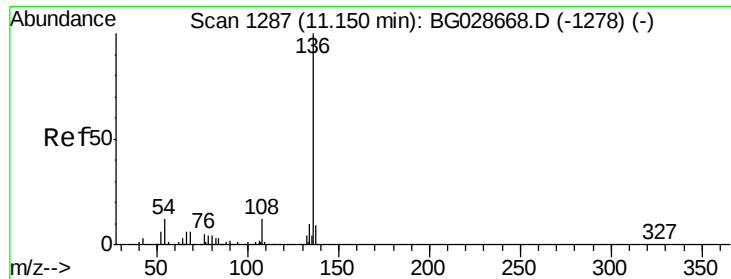
Ion Ratio Lower Upper

94 100

65 56.0 20.6 60.6

66 83.5 35.5 75.5#

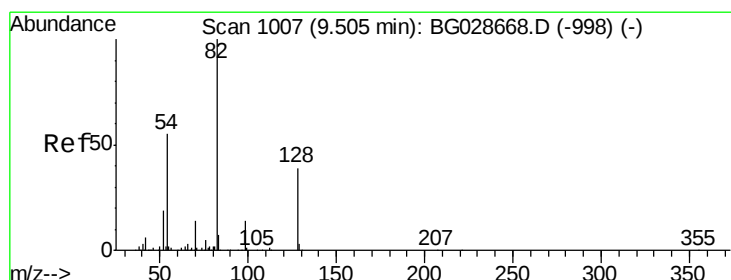
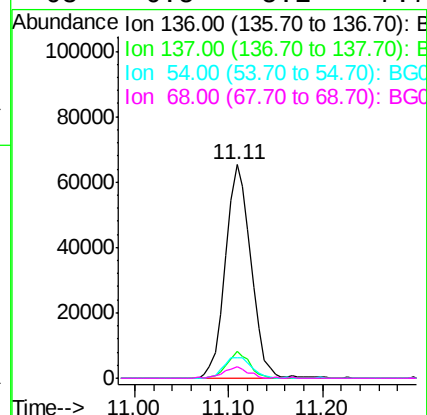
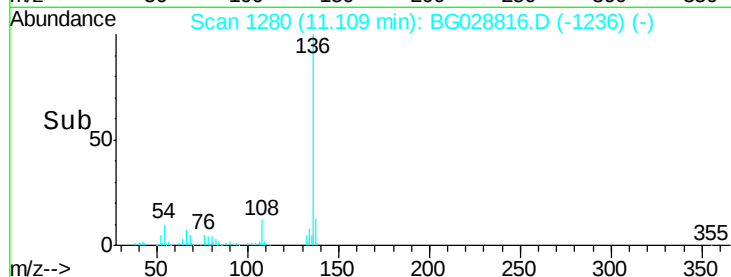
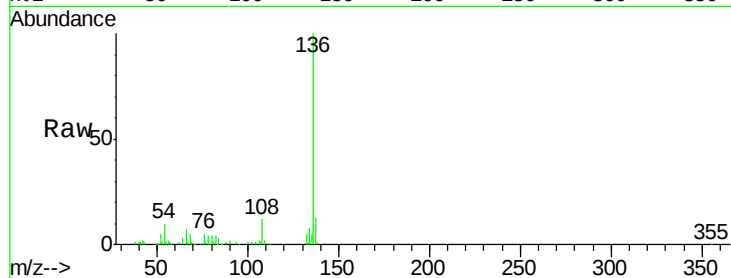




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.11 min Scan# 1280  
Delta R.T. -0.04 min  
Lab File: BG028816.D  
Acq: 19 Sep 2017 5:02

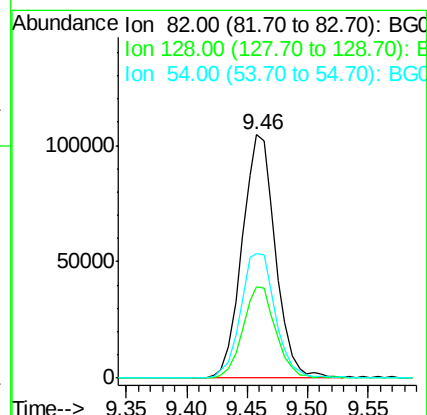
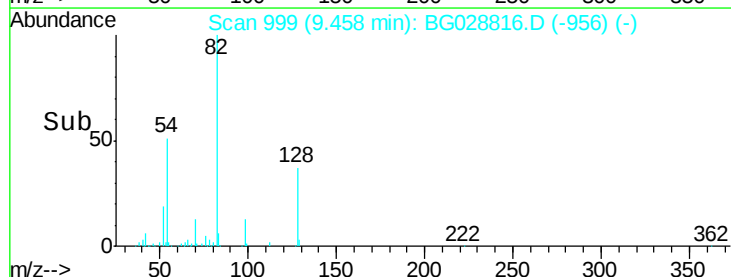
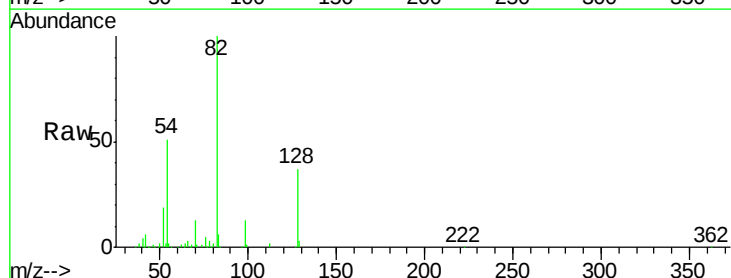
Instrument :  
BNA\_G  
ClientSampled :

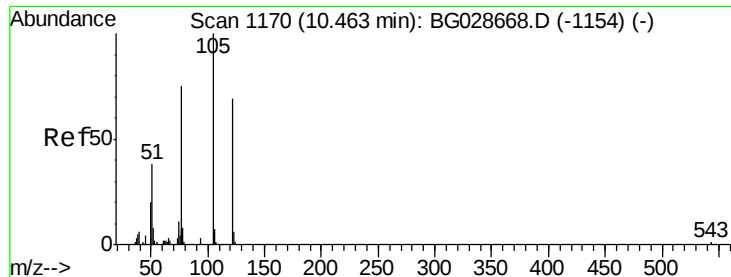
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 123292   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 12.7  | 8.9 13.3 |
| 54          | 9.9   | 9.3 13.9 |
| 68          | 6.5   | 5.1 7.7  |



#23  
Nitrobenzene-d5  
Concen: 77.71 ng  
RT: 9.46 min Scan# 999  
Delta R.T. -0.05 min  
Lab File: BG028816.D  
Acq: 19 Sep 2017 5:02

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 200283    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 37.3  | 26.4 39.6 |
| 54          | 51.2  | 49.4 74.2 |

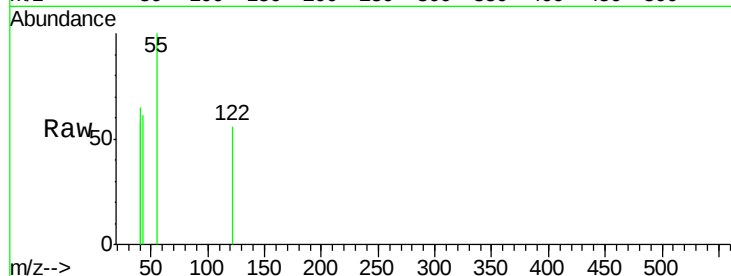




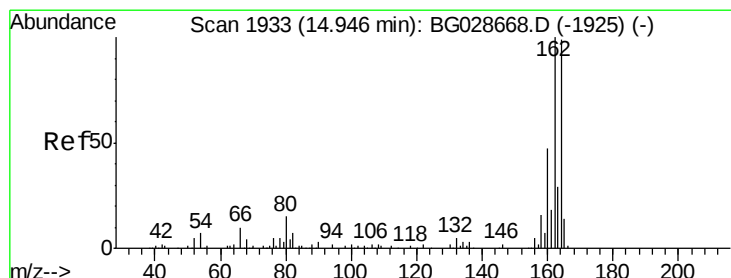
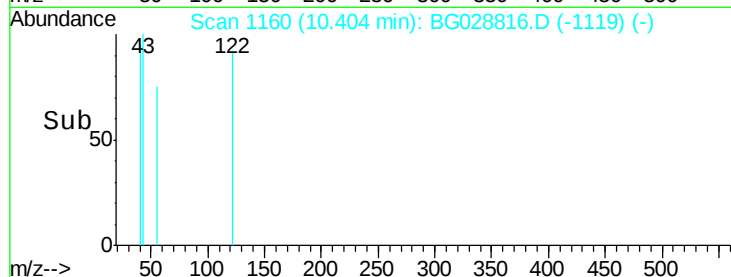
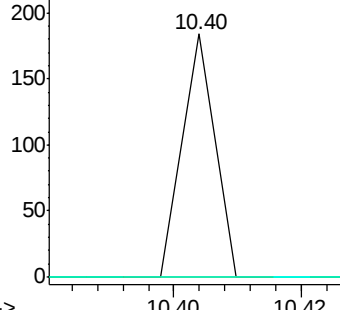
#32  
Benzoic acid  
Concen: 6.12 ng  
RT: 10.40 min Scan# 1160  
Delta R.T. -0.06 min  
Lab File: BG028816.D  
Acq: 19 Sep 2017 5:02

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:122 Resp: 65  
Ion Ratio Lower Upper  
122 100  
105 0.0 120.1 160.1#  
77 0.0 104.6 144.6#

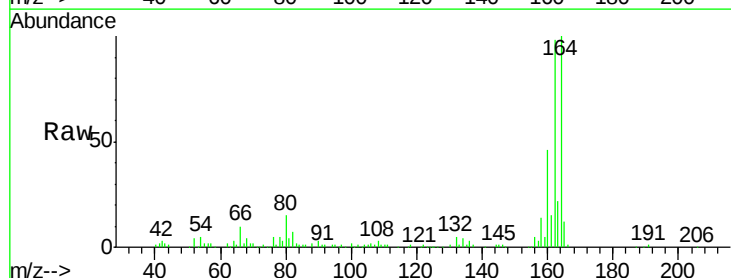


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): B

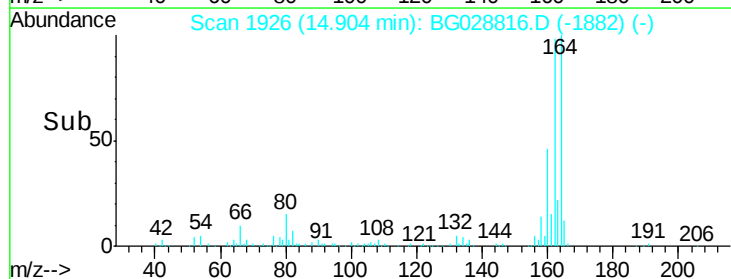
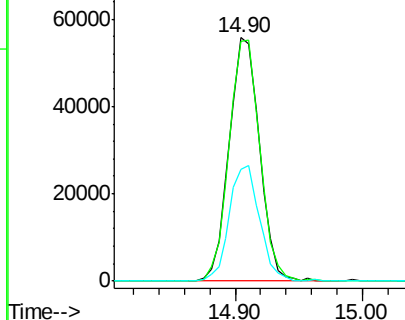


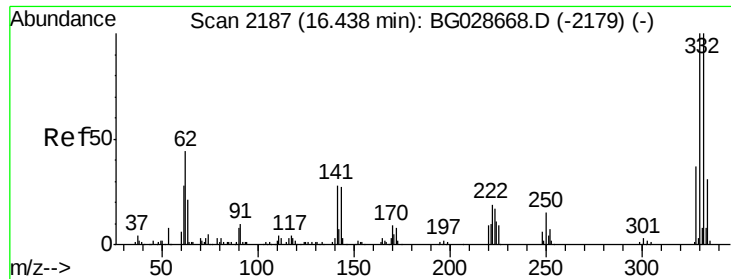
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.90 min Scan# 1926  
Delta R.T. -0.04 min  
Lab File: BG028816.D  
Acq: 19 Sep 2017 5:02

Tgt Ion:164 Resp: 92285  
Ion Ratio Lower Upper  
164 100  
162 98.4 85.1 127.7  
160 46.1 34.7 52.1



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: 139.73 ng

RT: 16.40 min Scan# 2181

Delta R.T. -0.04 min

Lab File: BG028816.D

Acq: 19 Sep 2017 5:02

Instrument :

BNA\_G

ClientSampleId :

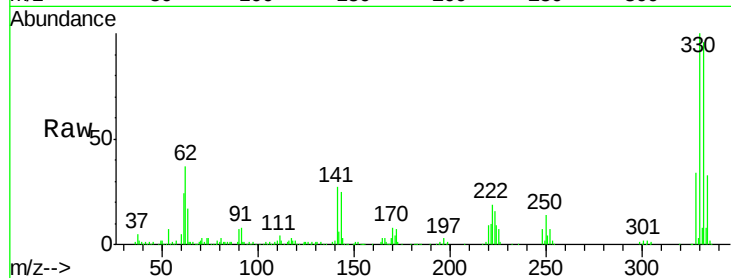
Tot Ion:330 Resp: 213280

Ion Ratio Lower Upper

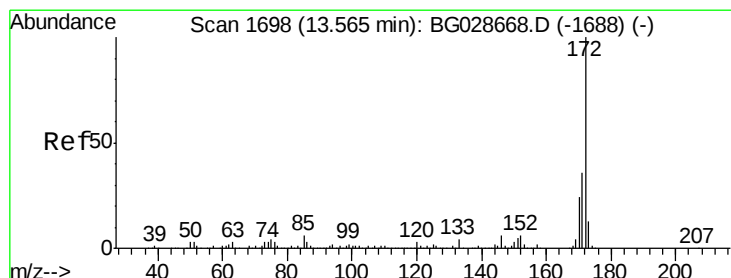
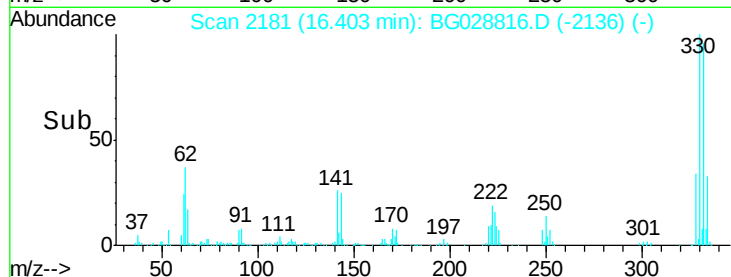
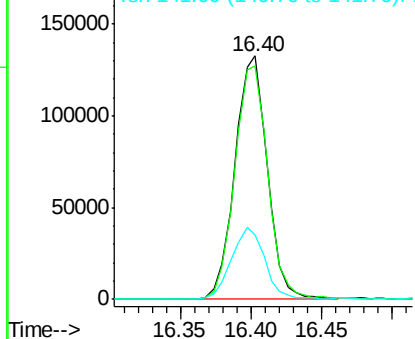
330 100

332 98.4 77.3 115.9

141 30.5 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: 61.74 ng

RT: 13.52 min Scan# 1691

Delta R.T. -0.04 min

Lab File: BG028816.D

Acq: 19 Sep 2017 5:02

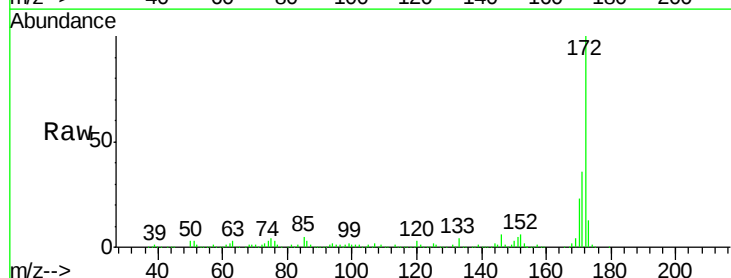
Tgt Ion:172 Resp: 427266

Ion Ratio Lower Upper

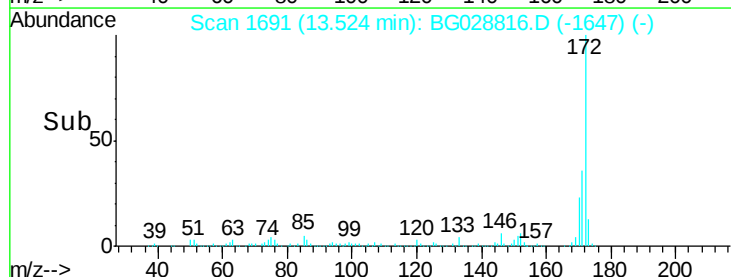
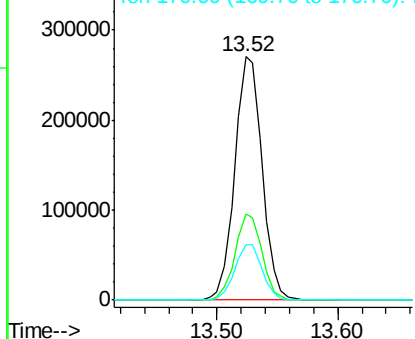
172 100

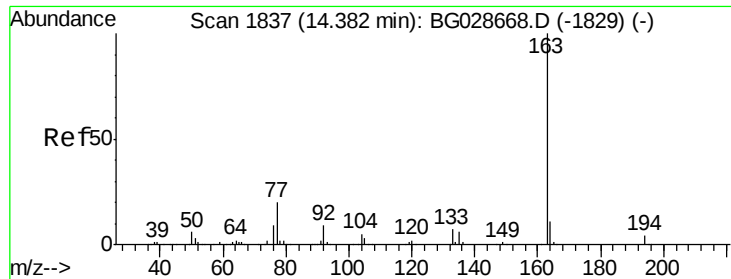
171 35.6 32.2 48.2

170 22.9 21.8 32.6



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

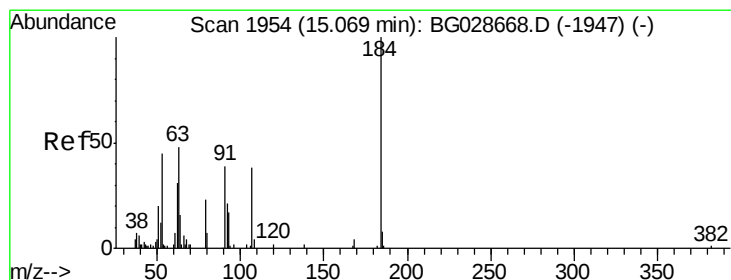
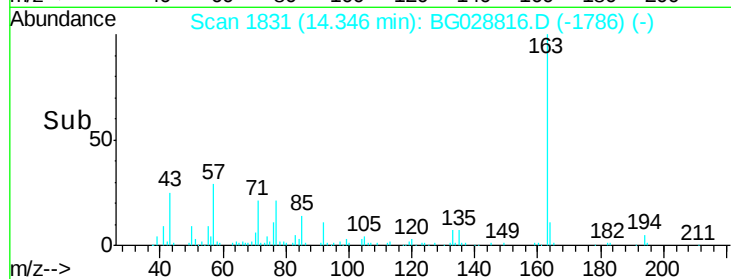
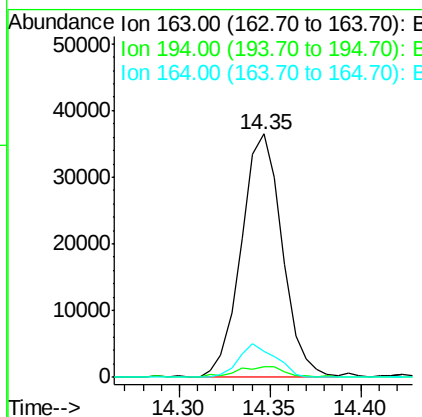
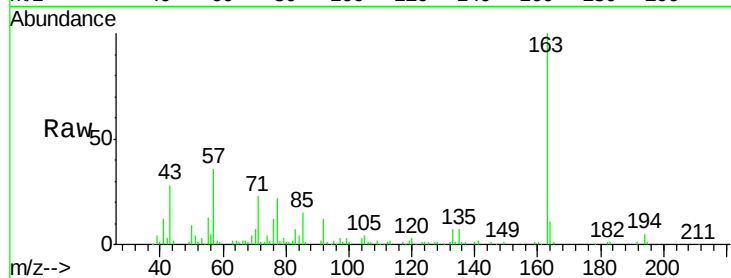




#49  
Dimethylphthalate  
Concen: 7.42 ng  
RT: 14.35 min Scan# 1831  
Delta R.T. -0.04 min  
Lab File: BG028816.D  
Acq: 19 Sep 2017 5:02

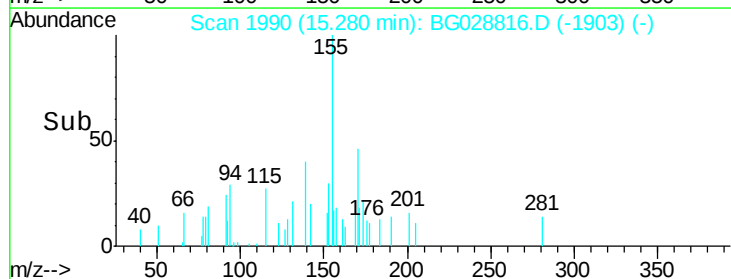
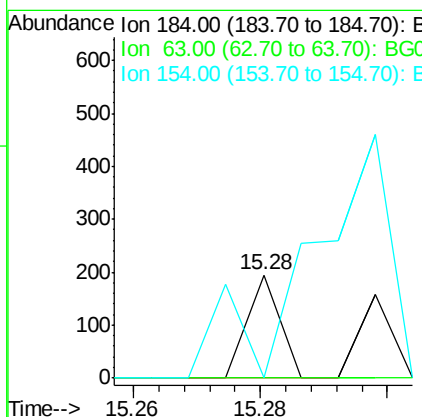
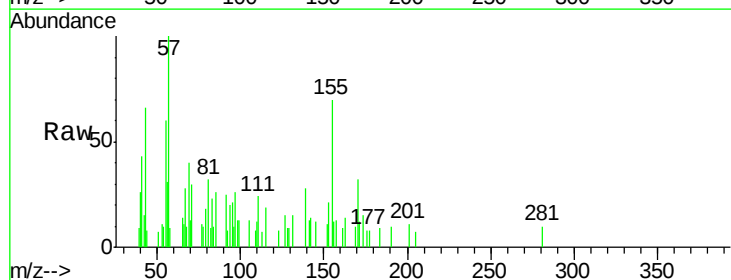
Instrument :  
BNA\_G  
ClientSampled :

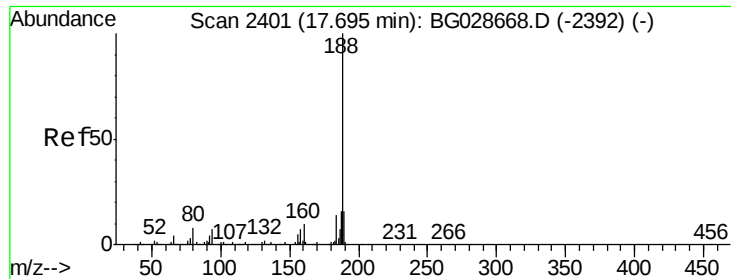
Tot Ion:163 Resp: 57402  
Ion Ratio Lower Upper  
163 100  
194 4.5 3.8 5.6  
164 10.9 9.3 13.9



#53  
2,4-Dinitrophenol  
Concen: 8.07 ng  
RT: 15.28 min Scan# 1990  
Delta R.T. 0.21 min  
Lab File: BG028816.D  
Acq: 19 Sep 2017 5:02

Tgt Ion:184 Resp: 69  
Ion Ratio Lower Upper  
184 100  
63 0.0 52.7 79.1#  
154 0.0 57.3 85.9#

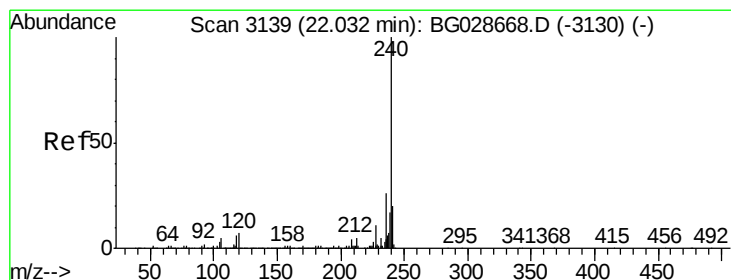
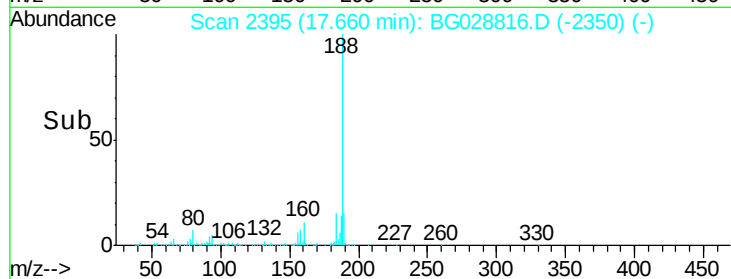
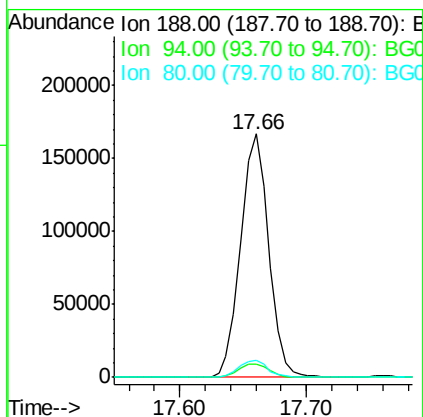
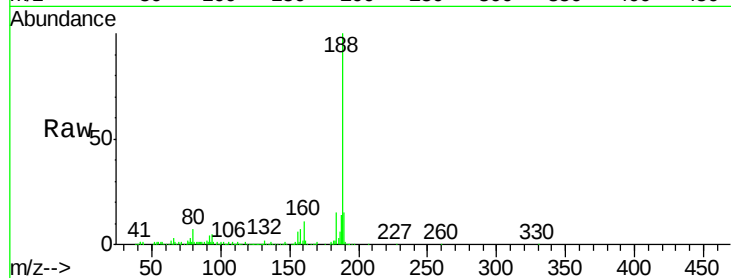




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.66 min Scan# 2395  
Delta R.T. -0.04 min  
Lab File: BG028816.D  
Acq: 19 Sep 2017 5:02

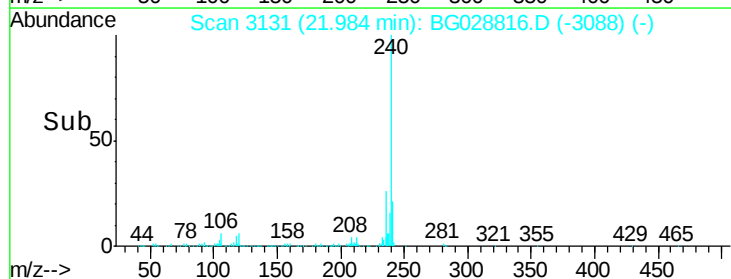
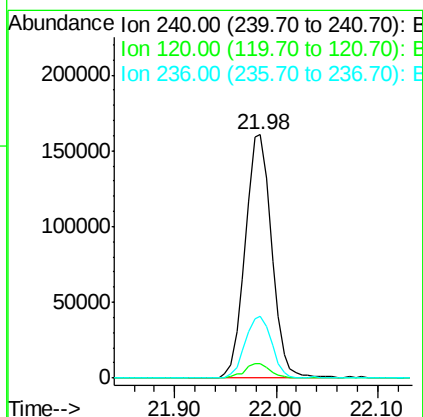
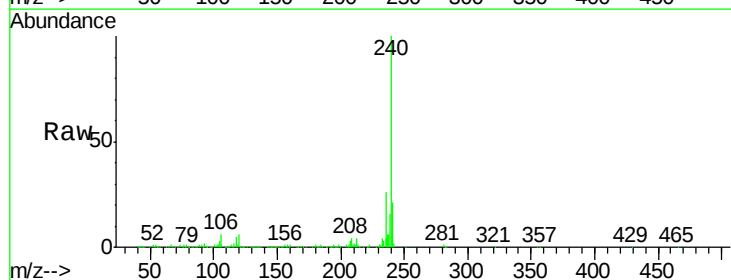
Instrument :  
BNA\_G  
ClientSampleId :

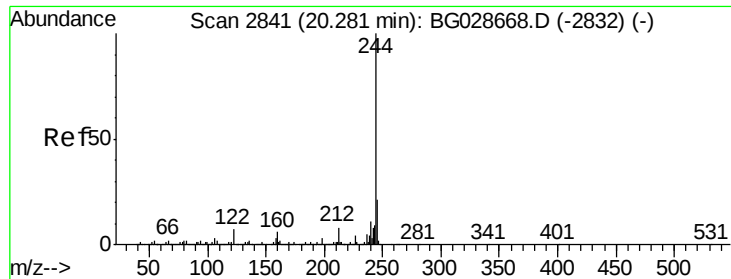
Tot Ion:188 Resp: 256306  
Ion Ratio Lower Upper  
188 100  
94 5.4 5.8 8.8#  
80 6.9 7.5 11.3#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.98 min Scan# 3131  
Delta R.T. -0.05 min  
Lab File: BG028816.D  
Acq: 19 Sep 2017 5:02

Tgt Ion:240 Resp: 292027  
Ion Ratio Lower Upper  
240 100  
120 5.7 5.7 8.5  
236 25.5 22.2 33.4





#78

Terphenyl-d14

Concen: 74.15 ng

RT: 20.25 min Scan# 2836

Delta R.T. -0.03 min

Lab File: BG028816.D

Acq: 19 Sep 2017 5:02

Instrument :

BNA\_G

ClientSampleId :

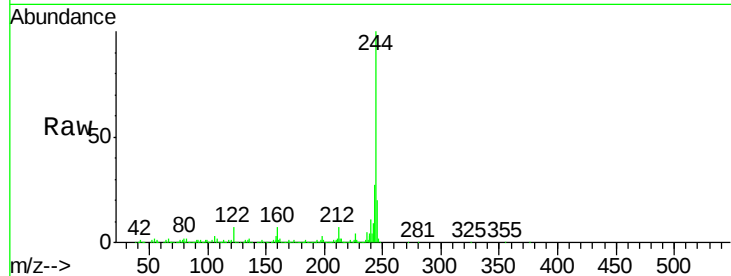
Tot Ion:244 Resp: 1015384

Ion Ratio Lower Upper

244 100

212 7.4 10.0 15.0#

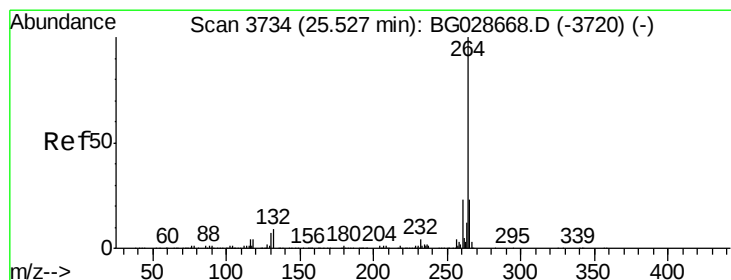
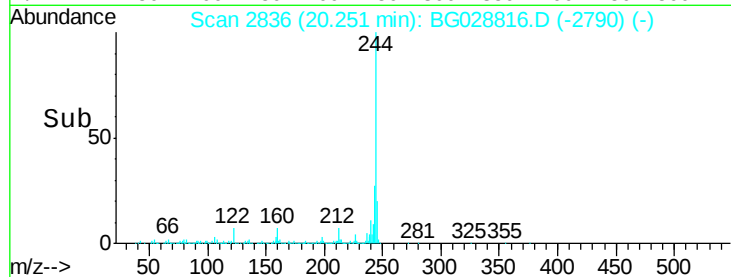
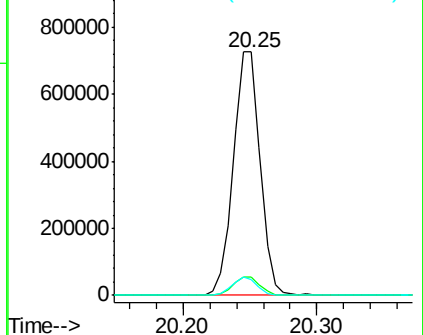
122 6.6 8.6 12.8#



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: 25.45 min Scan# 3721

Delta R.T. -0.08 min

Lab File: BG028816.D

Acq: 19 Sep 2017 5:02

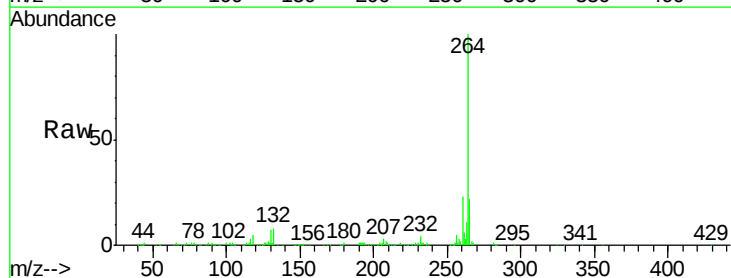
Tgt Ion:264 Resp: 303308

Ion Ratio Lower Upper

264 100

260 22.5 21.8 32.8

265 22.4 18.2 27.4



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

