

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060616\  
 Data File : BG022197.D  
 Acq On : 7 Jun 2016 9:59  
 Operator : UM/SJ  
 Sample : H3424-02  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CTM-2(7.5-10)

Quant Time: Jun 07 16:03:35 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 06 16:12:45 2016  
 Response via : Initial Calibration

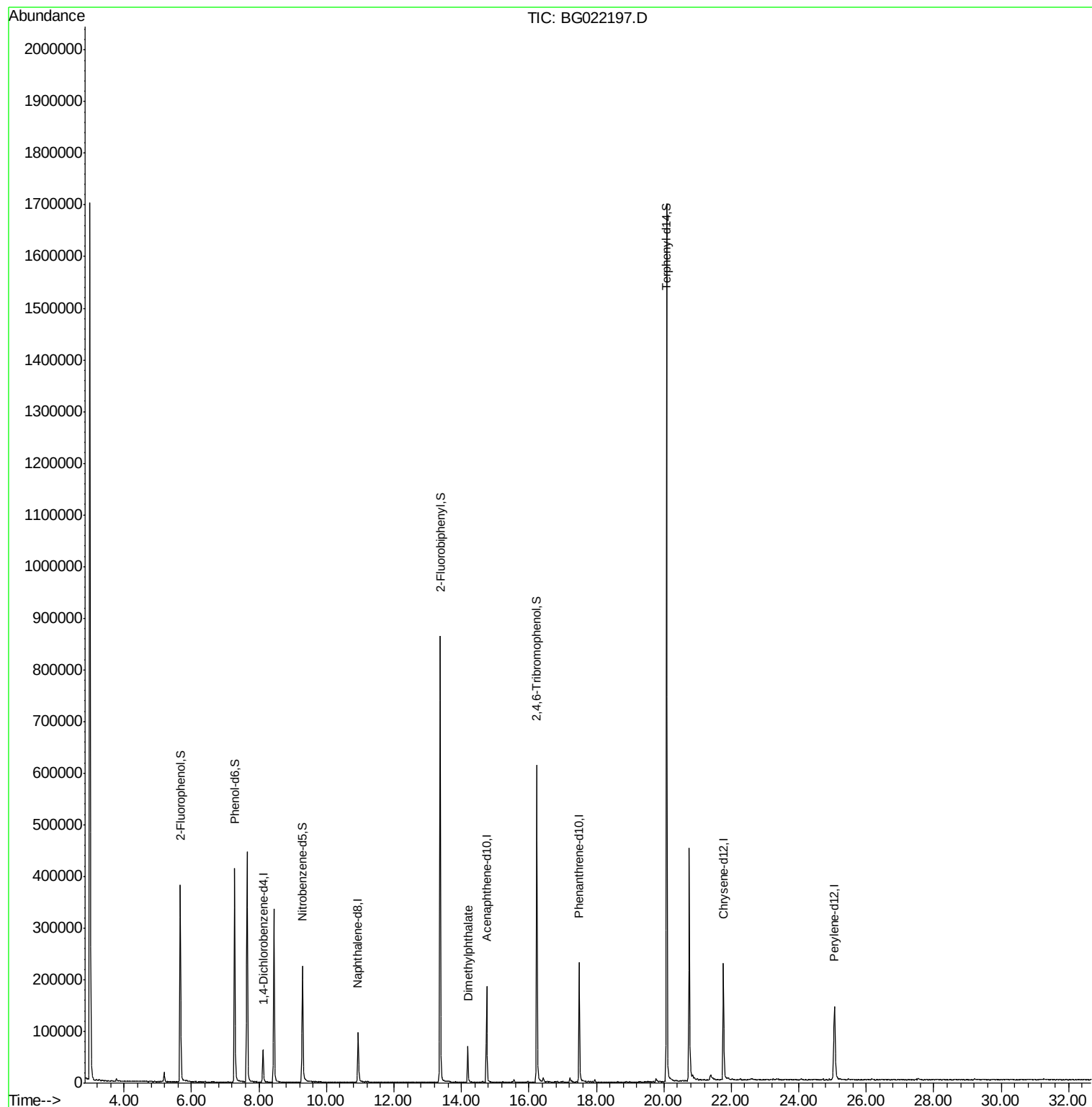
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.12  | 152  | 26068    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 10.94 | 136  | 119657   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.74 | 164  | 74790    | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 17.49 | 188  | 172939   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 21.76 | 240  | 173111   | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 25.06 | 264  | 167185   | 20.00  | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.67  | 112  | 252883   | 187.56 | ng    | 0.00         |
| 7) Phenol-d6                | 7.28  | 99   | 367005   | 173.13 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 9.29  | 82   | 187430   | 109.21 | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 16.24 | 330  | 140313   | 166.03 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 13.37 | 172  | 535838   | 109.18 | ng    | 0.00         |
| 78) Terphenyl-d14           | 20.08 | 244  | 818950   | 112.31 | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 14.19 | 163  | 63341    | 10.21  | ng    | Qvalue<br>99 |

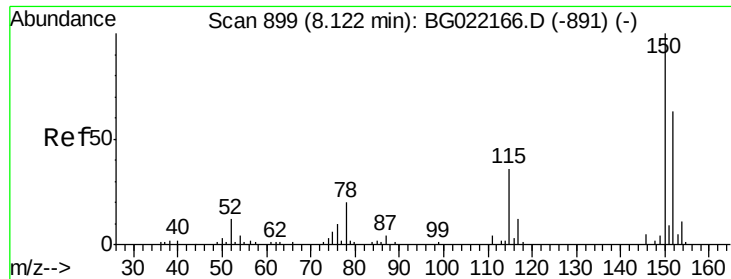
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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CTM-2(7.5-10)

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QLast Update : Mon Jun 06 16:12:45 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.12 min Scan# 899

Delta R.T. -0.00 min

Lab File: BG022197.D

Acq: 7 Jun 2016 9:59

Instrument :

BNA\_G

ClientSampleId :

CTM-2(7.5-10)

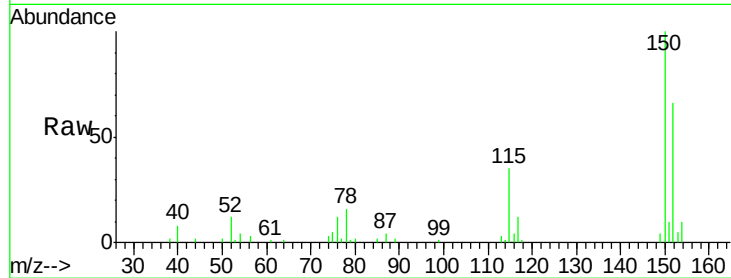
Tgt Ion:152 Resp: 26068

Ion Ratio Lower Upper

152 100

150 151.4 130.1 195.1

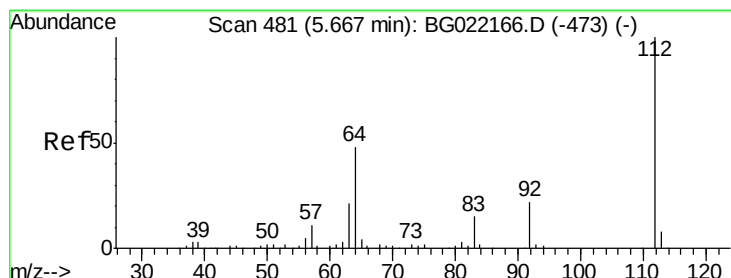
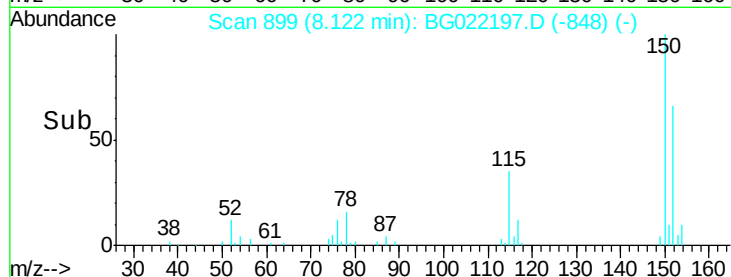
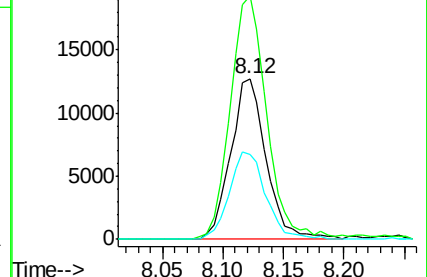
115 52.9 62.2 93.2#



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: 187.56 ng

RT: 5.67 min Scan# 481

Delta R.T. 0.00 min

Lab File: BG022197.D

Acq: 7 Jun 2016 9:59

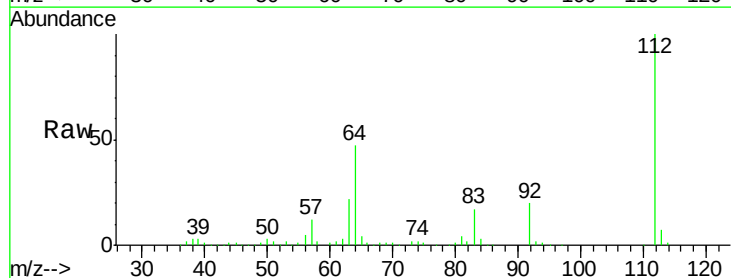
Tgt Ion:112 Resp: 252883

Ion Ratio Lower Upper

112 100

64 47.2 51.1 76.7#

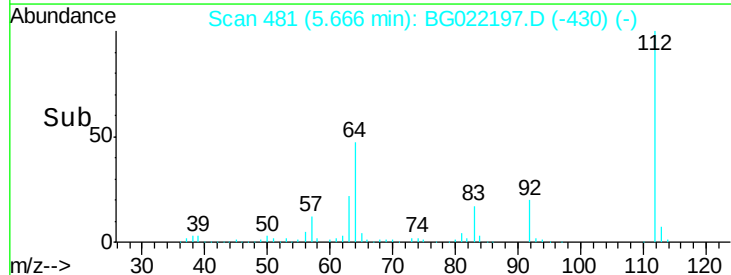
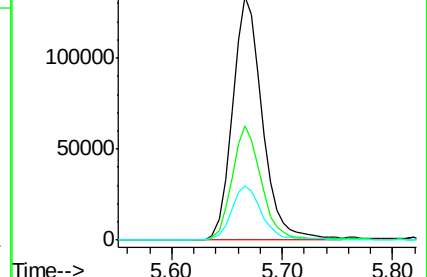
63 22.4 24.6 37.0#

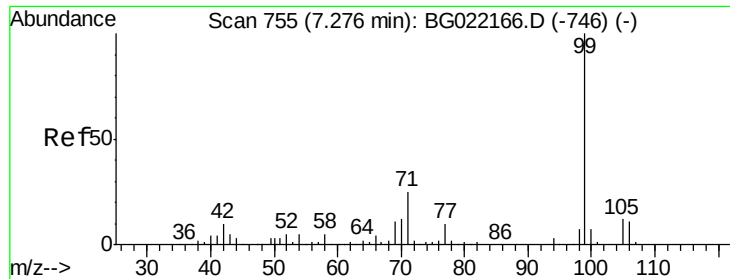


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 173.13 ng

RT: 7.28 min Scan# 755

Delta R.T. -0.00 min

Lab File: BG022197.D

Acq: 7 Jun 2016 9:59

Instrument :

BNA\_G

ClientSampleId :

CTM-2(7.5-10)

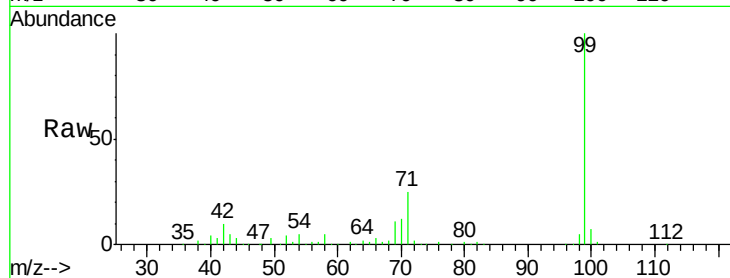
Tgt Ion: 99 Resp: 367005

Ion Ratio Lower Upper

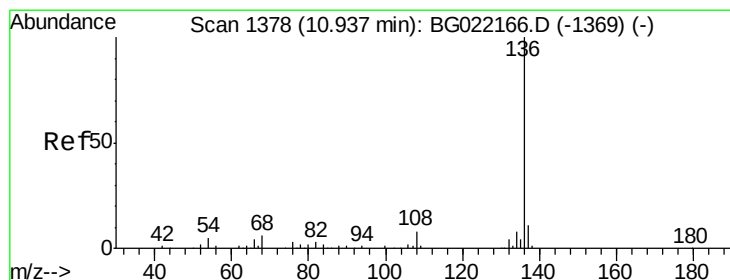
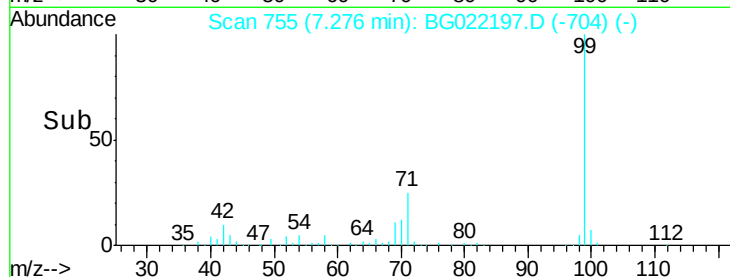
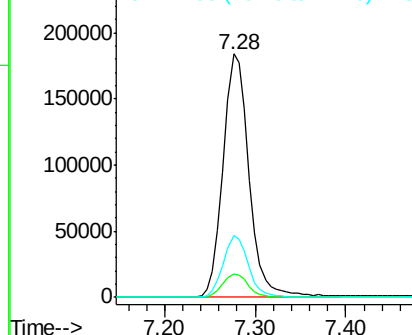
99 100

42 9.6 16.4 24.6#

71 25.2 25.0 37.4



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.94 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BG022197.D

Acq: 7 Jun 2016 9:59

Tgt Ion: 136 Resp: 119657

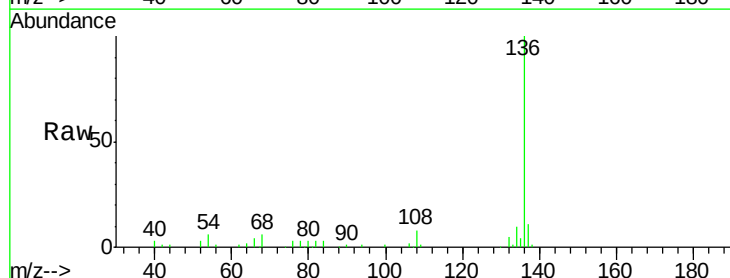
Ion Ratio Lower Upper

136 100

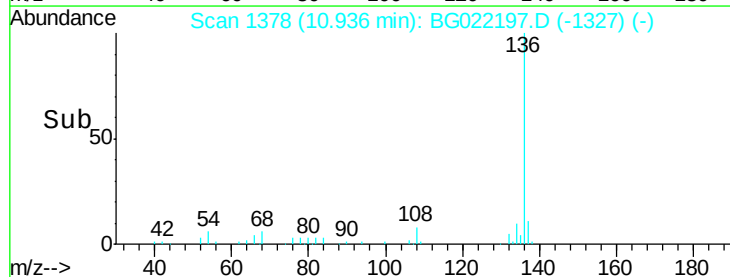
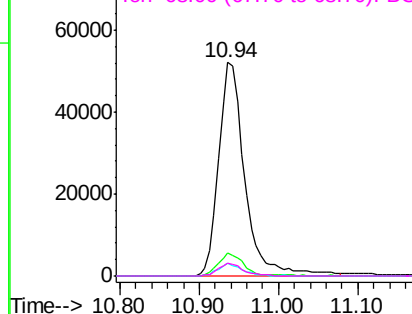
137 10.9 9.0 13.4

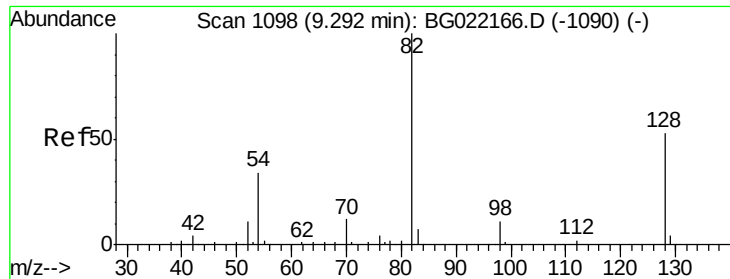
54 5.7 9.6 14.4#

68 6.0 6.4 9.6#



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

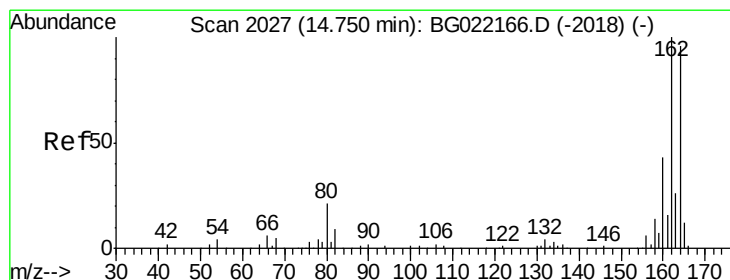
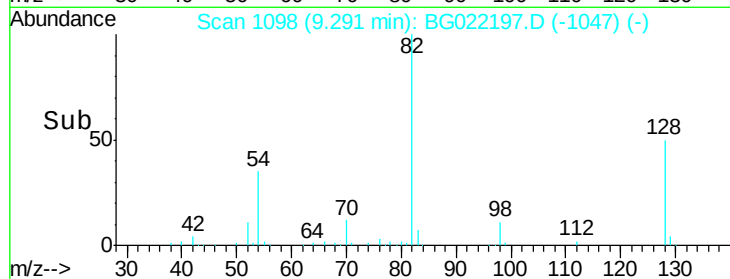
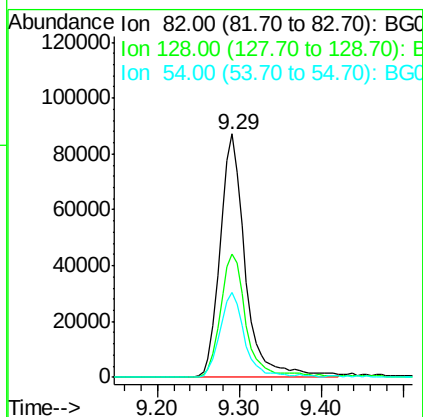
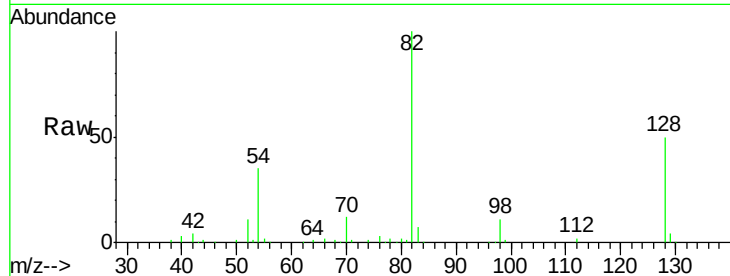




#23  
 Nitrobenzene-d5  
 Concen: 109.21 ng  
 RT: 9.29 min Scan# 1098  
 Delta R.T. -0.00 min  
 Lab File: BG022197.D  
 Acq: 7 Jun 2016 9:59

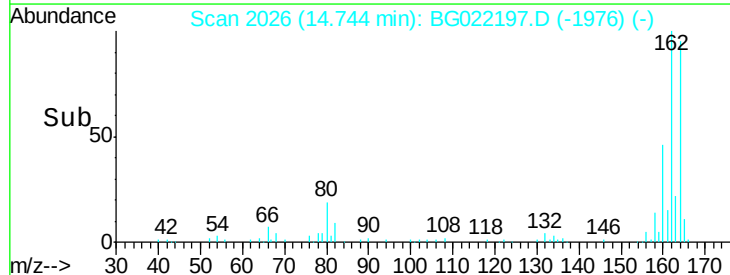
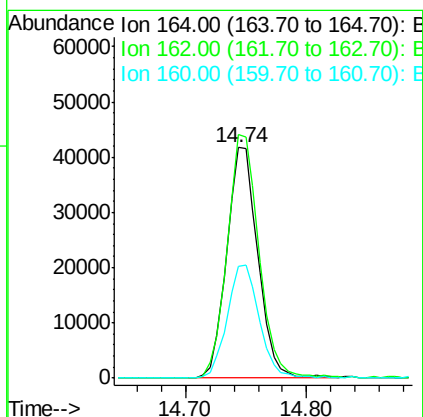
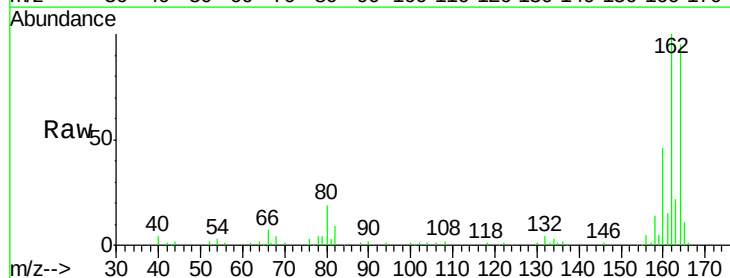
Instrument :  
 BNA\_G  
 ClientSampleId :  
 CTM-2(7.5-10)

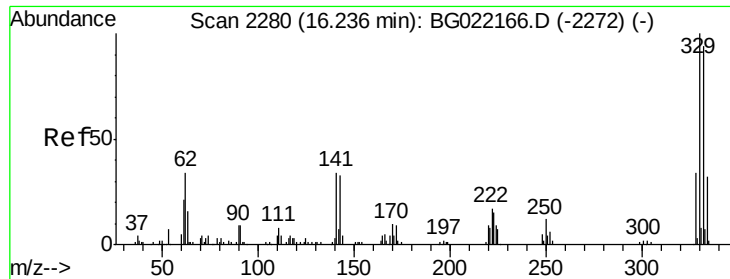
Tgt Ion: 82 Resp: 187430  
 Ion Ratio Lower Upper  
 82 100  
 128 50.4 33.4 50.0#  
 54 34.6 46.1 69.1#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.74 min Scan# 2026  
 Delta R.T. -0.01 min  
 Lab File: BG022197.D  
 Acq: 7 Jun 2016 9:59

Tgt Ion: 164 Resp: 74790  
 Ion Ratio Lower Upper  
 164 100  
 162 105.6 78.0 117.0  
 160 48.3 32.9 49.3

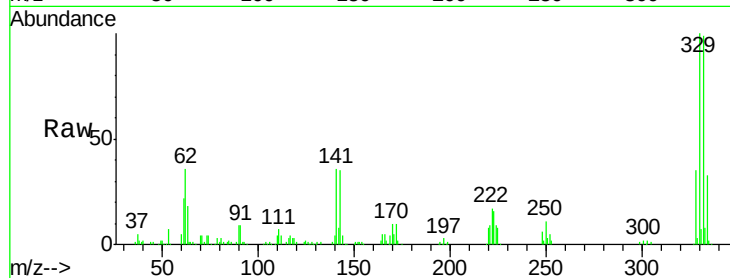




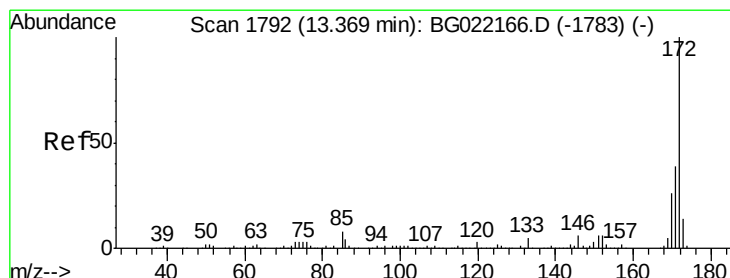
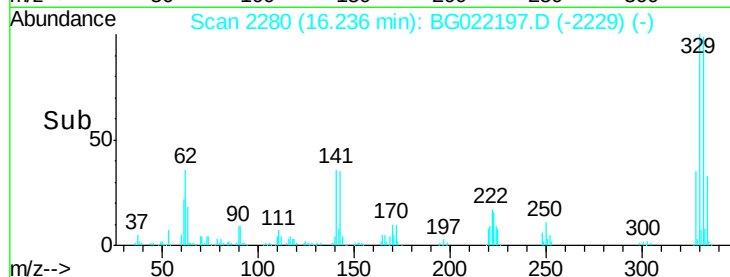
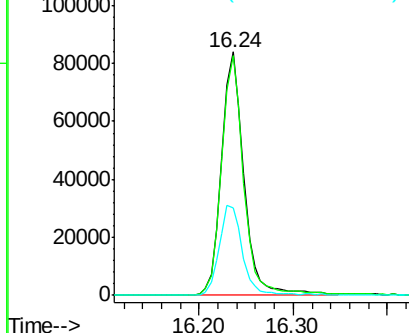
#41  
 2,4,6-Tribromophenol  
 Concen: 166.03 ng  
 RT: 16.24 min Scan# 2280  
 Delta R.T. -0.00 min  
 Lab File: BG022197.D  
 Acq: 7 Jun 2016 9:59

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CTM-2(7.5-10)

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 98.5  | 78.0 | 117.0 |       |
| 141     | 38.2  | 33.8 | 50.8  |       |

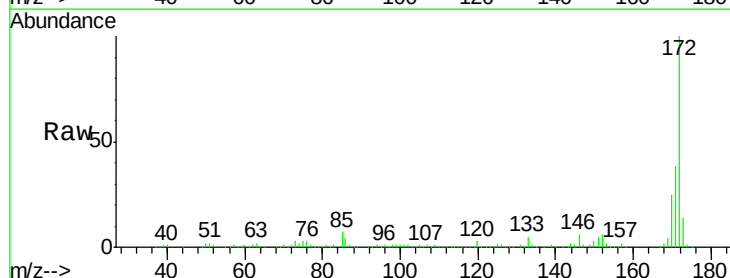


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

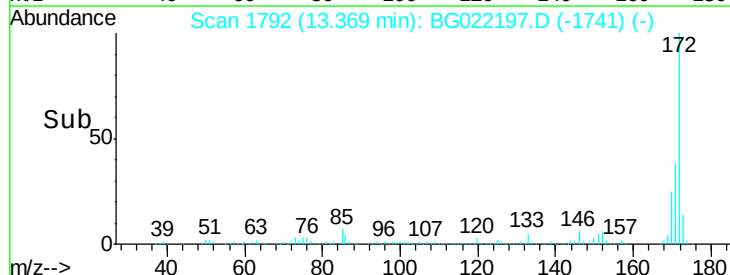
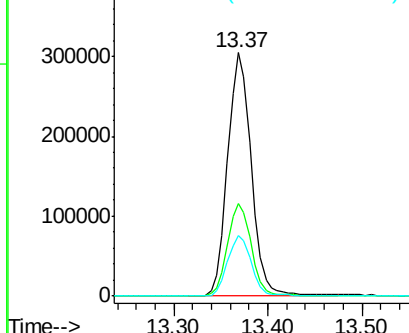


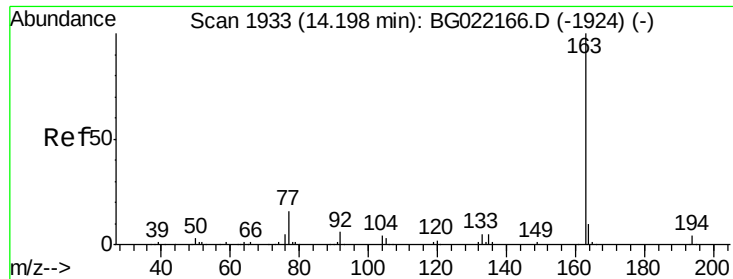
#44  
 2-Fluorobiphenyl  
 Concen: 109.18 ng  
 RT: 13.37 min Scan# 1792  
 Delta R.T. -0.00 min  
 Lab File: BG022197.D  
 Acq: 7 Jun 2016 9:59

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 172     | 100   |      |       |       |
| 171     | 38.2  | 27.8 | 41.6  |       |
| 170     | 24.8  | 19.6 | 29.4  |       |



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: 10.21 ng

RT: 14.19 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BG022197.D

Acq: 7 Jun 2016 9:59

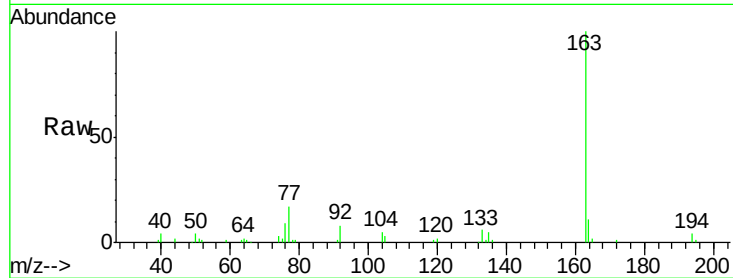
Instrument :

BNA\_G

ClientSampleId :

CTM-2(7.5-10)

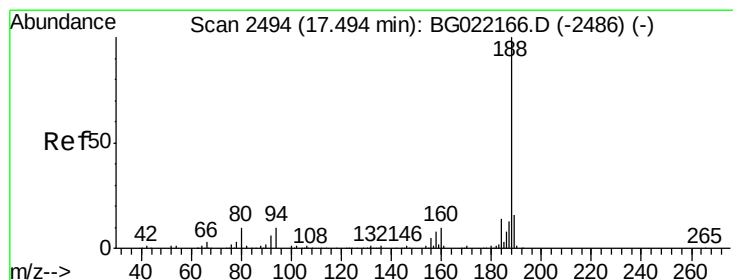
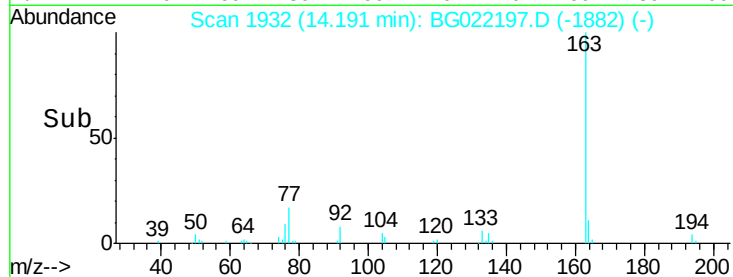
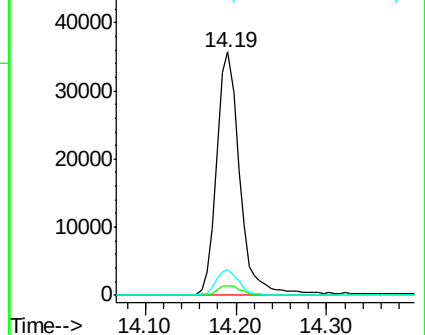
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 163   | Resp: | 63341 |
| Ion      | Ratio | Lower | Upper |
| 163      | 100   |       |       |
| 194      | 4.0   | 3.0   | 4.6   |
| 164      | 10.7  | 8.1   | 12.1  |



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

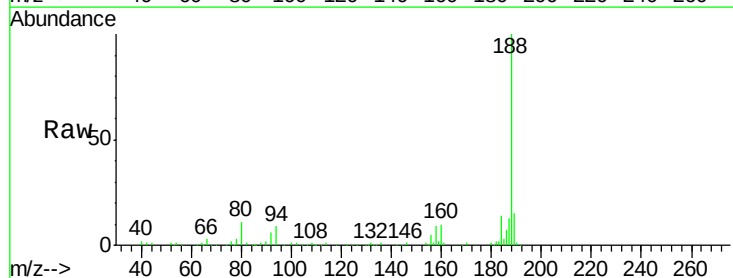
RT: 17.49 min Scan# 2494

Delta R.T. -0.00 min

Lab File: BG022197.D

Acq: 7 Jun 2016 9:59

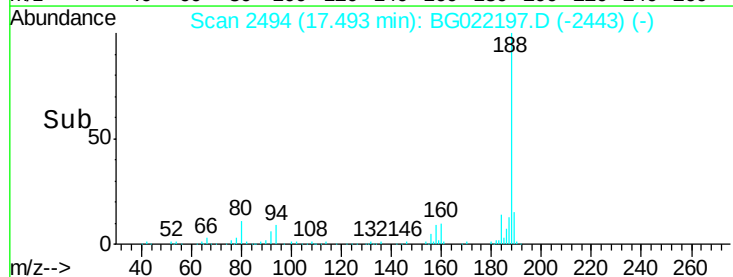
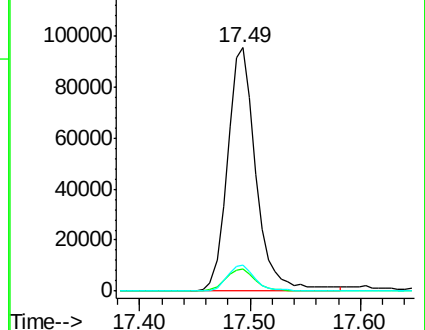
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 172939 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 9.2   | 7.5   | 11.3   |
| 80       | 10.5  | 8.6   | 13.0   |

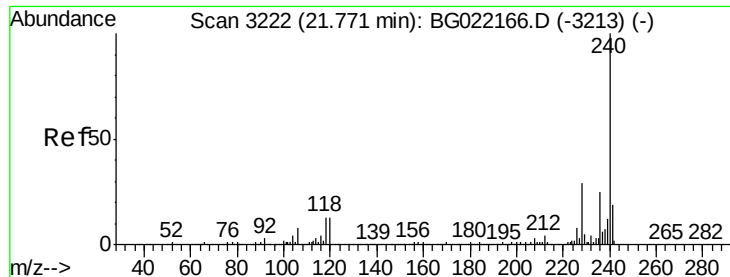


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.76 min Scan# 3221

Delta R.T. -0.01 min

Lab File: BG022197.D

Acq: 7 Jun 2016 9:59

Instrument :

BNA\_G

ClientSampleId :

CTM-2(7.5-10)

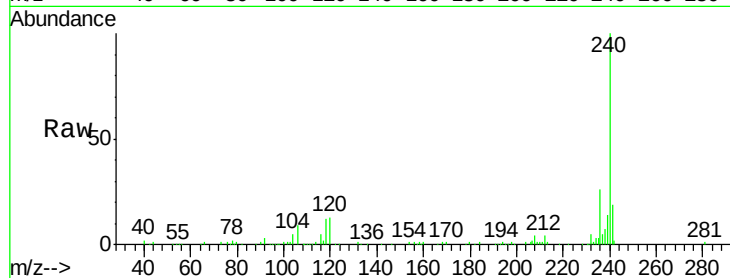
Tgt Ion:240 Resp: 173111

Ion Ratio Lower Upper

240 100

120 12.8 8.4 12.6#

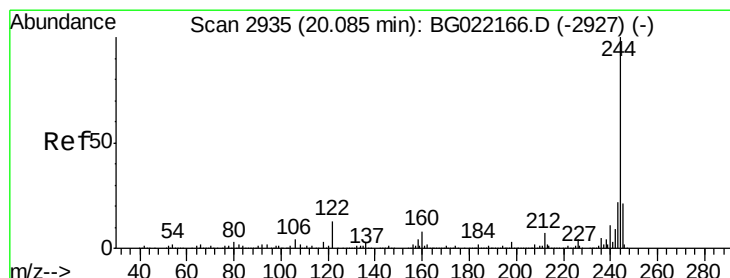
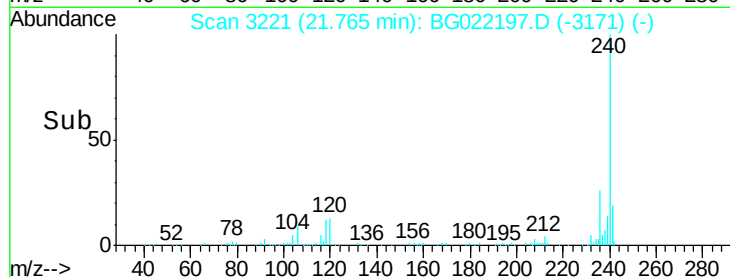
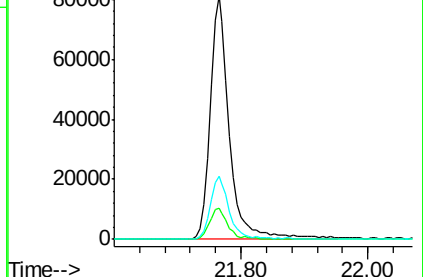
236 25.9 19.6 29.4



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: 112.31 ng

RT: 20.08 min Scan# 2935

Delta R.T. -0.00 min

Lab File: BG022197.D

Acq: 7 Jun 2016 9:59

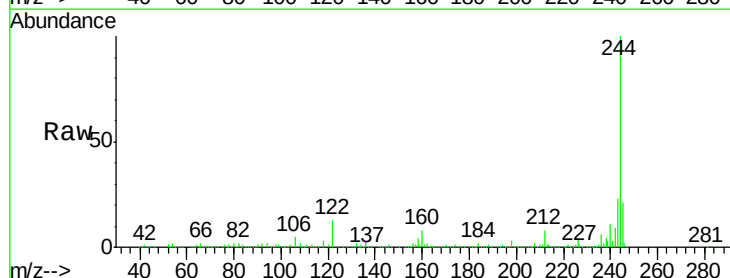
Tgt Ion:244 Resp: 818950

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

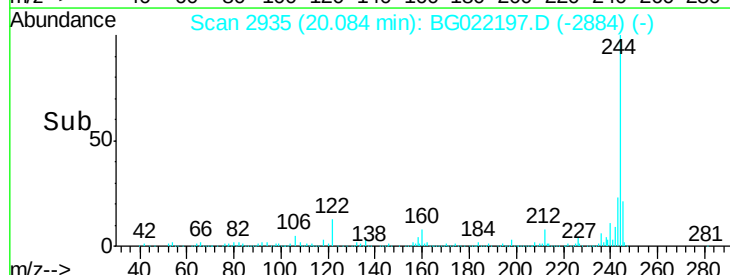
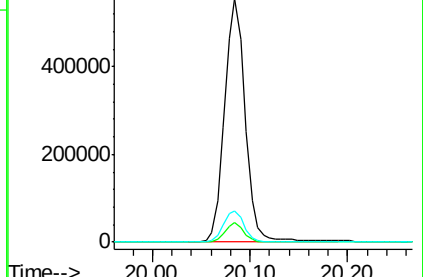
122 13.0 8.6 12.8#



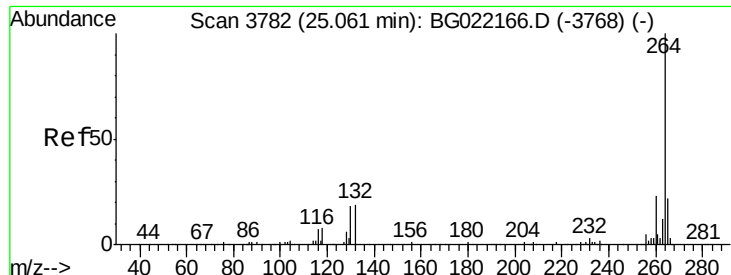
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



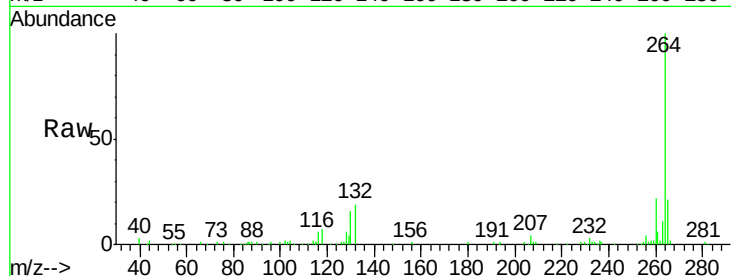




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 25.06 min Scan# 3781  
Delta R.T. -0.01 min  
Lab File: BG022197.D  
Acq: 7 Jun 2016 9:59

Instrument :  
BNA\_G  
ClientSampleId :  
CTM-2(7.5-10)

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 21.8  | 20.2  | 30.4  |
| 265     | 21.0  | 17.8  | 26.8  |



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

