

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG092316\  
 Data File : BG024122.D  
 Acq On : 24 Sep 2016 13:17  
 Operator : UM/SJ  
 Sample : H4902-07  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-2-092116

Quant Time: Sep 26 01:11:46 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   | 8.04  | 152  | 46025    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.87 | 136  | 205929   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.72 | 164  | 168696   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.48 | 188  | 369519   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.79 | 240  | 416868   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.12 | 264  | 395601   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.59  | 112  | 193758   | 72.93  | ng    | 0.00     |
| 7) Phenol-d6                | 7.22  | 99   | 186558   | 41.73  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.22  | 82   | 490701   | 93.92  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.22 | 330  | 347942   | 143.49 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.33 | 172  | 1002540  | 99.90  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.09 | 244  | 1684169  | 82.72  | ng    | 0.00     |

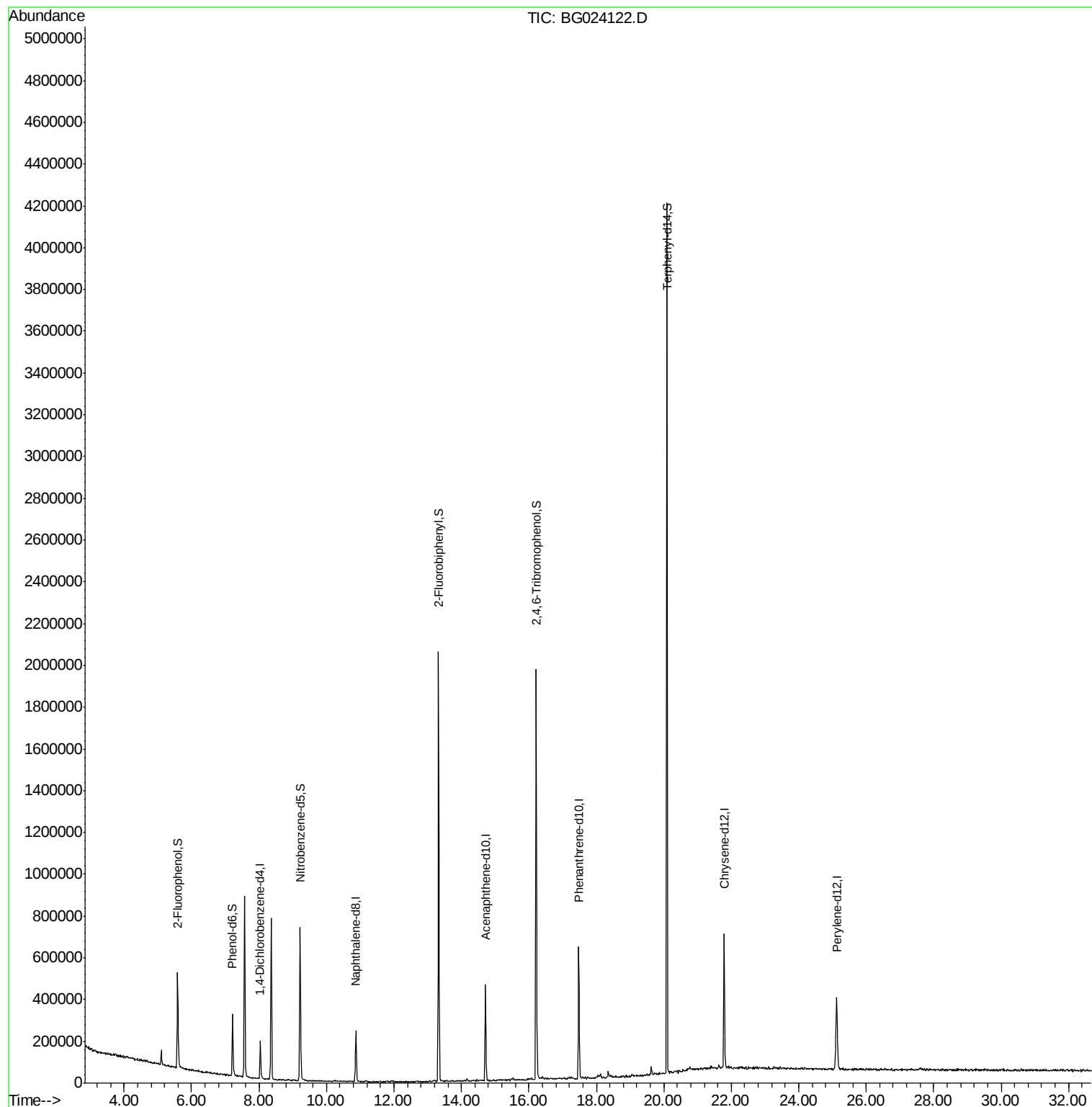
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

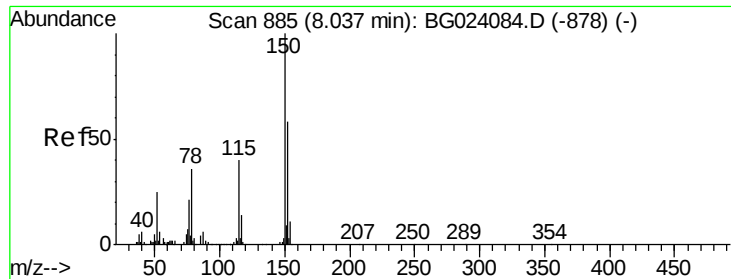
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.04 min Scan# 885

Delta R.T. 0.00 min

Lab File: BG024122.D

Acq: 24 Sep 2016 13:17

Instrument :

BNA\_G

ClientSampleId :

MW-2-092116

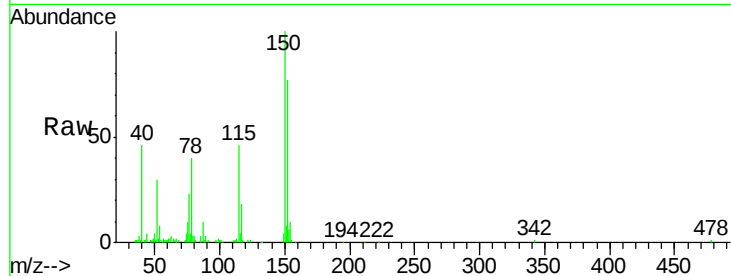
Tgt Ion:152 Resp: 46025

Ion Ratio Lower Upper

152 100

150 130.6 144.7 217.1#

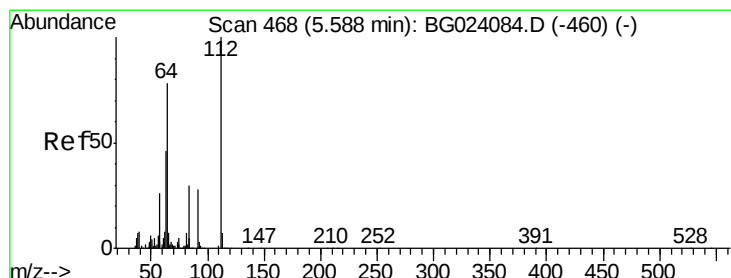
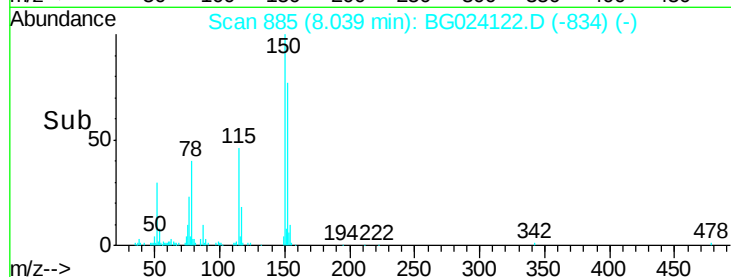
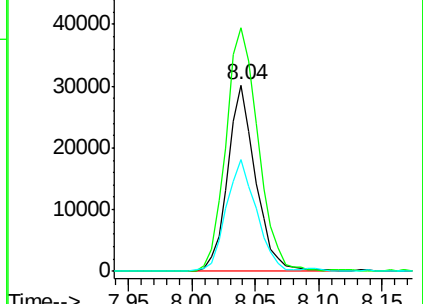
115 59.9 64.0 96.0#



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: 72.93 ng

RT: 5.59 min Scan# 468

Delta R.T. 0.00 min

Lab File: BG024122.D

Acq: 24 Sep 2016 13:17

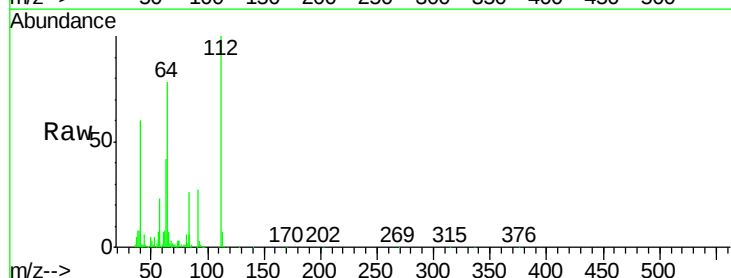
Tgt Ion:112 Resp: 193758

Ion Ratio Lower Upper

112 100

64 78.1 59.0 88.4

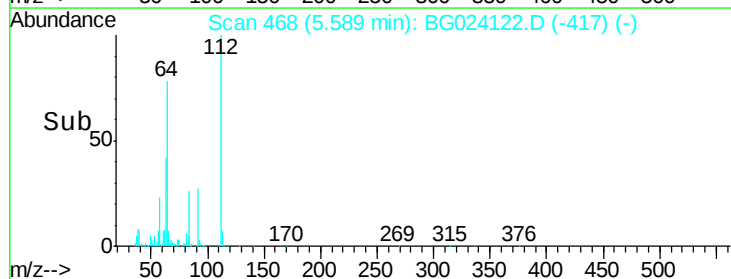
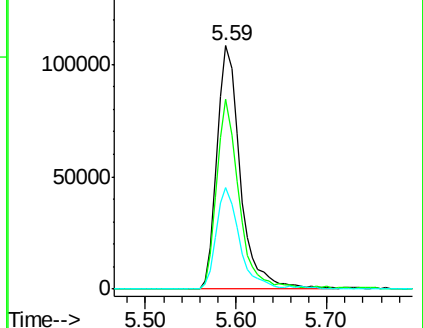
63 41.8 37.8 56.8

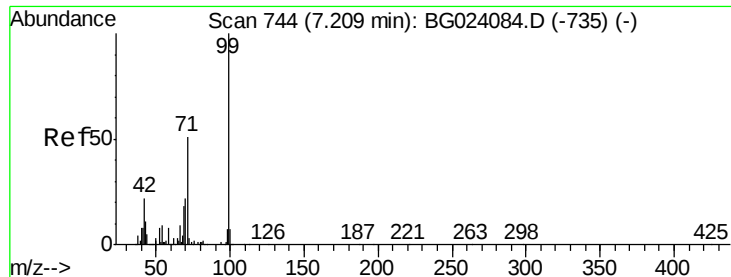


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 41.73 ng

RT: 7.22 min Scan# 745

Delta R.T. 0.01 min

Lab File: BG024122.D

Acq: 24 Sep 2016 13:17

Instrument :

BNA\_G

ClientSampleId :

MW-2-092116

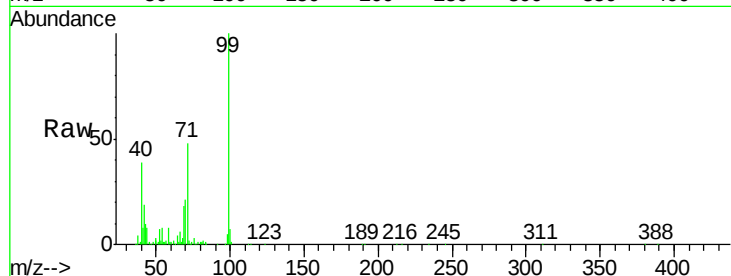
Tgt Ion: 99 Resp: 186558

Ion Ratio Lower Upper

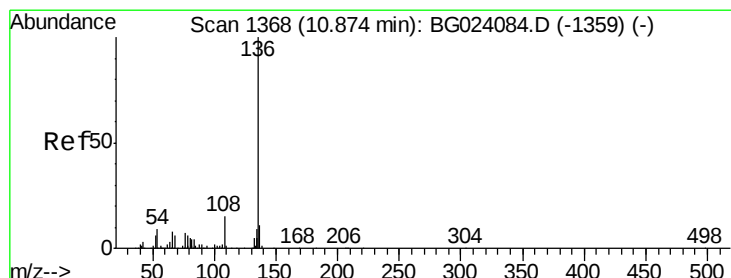
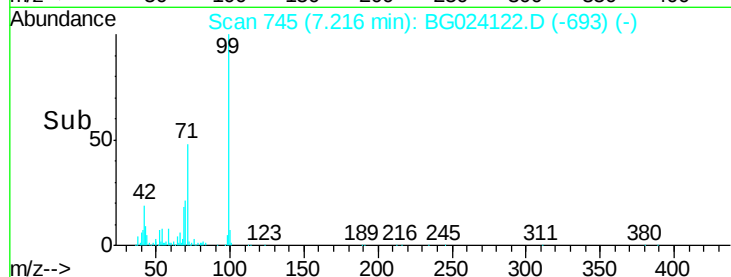
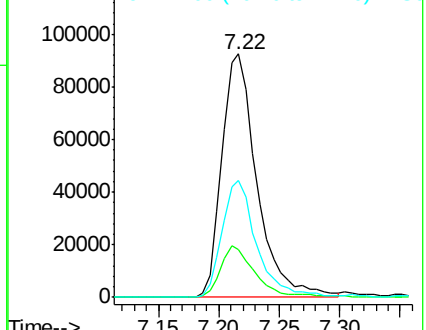
99 100

42 19.4 17.8 26.6

71 48.3 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: BG024122.D

Acq: 24 Sep 2016 13:17

Tgt Ion: 136 Resp: 205929

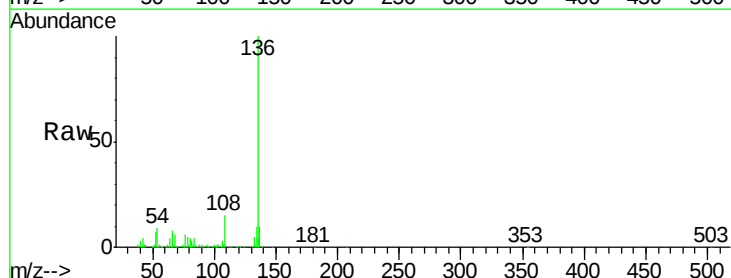
Ion Ratio Lower Upper

136 100

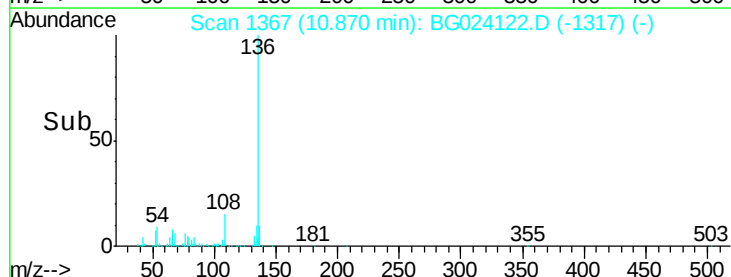
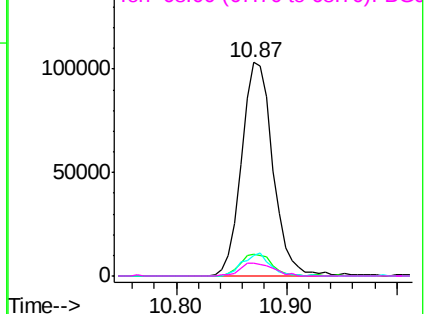
137 10.1 9.6 14.4

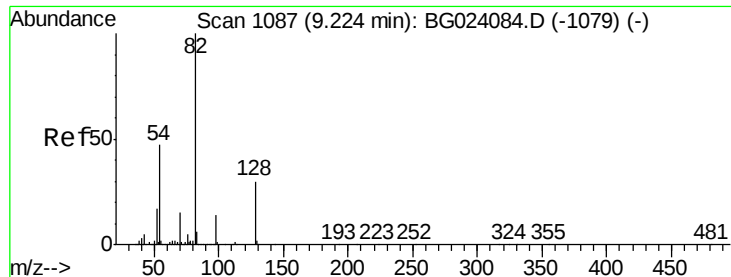
54 9.5 7.3 10.9

68 6.2 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: 93.92 ng

RT: 9.22 min Scan# 1086

Delta R.T. -0.00 min

Lab File: BG024122.D

Acq: 24 Sep 2016 13:17

Instrument :

BNA\_G

ClientSampleId :

MW-2-092116

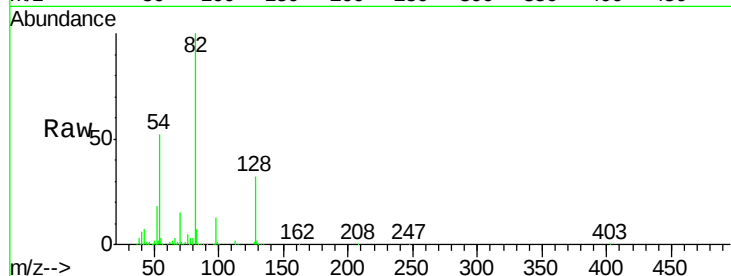
Tgt Ion: 82 Resp: 490701

Ion Ratio Lower Upper

82 100

128 32.2 24.4 36.6

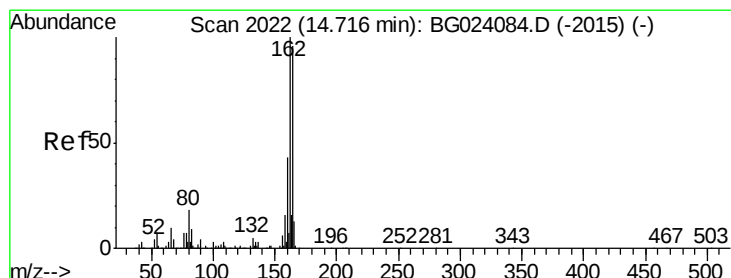
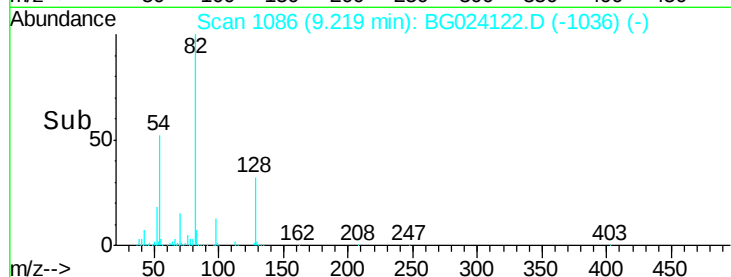
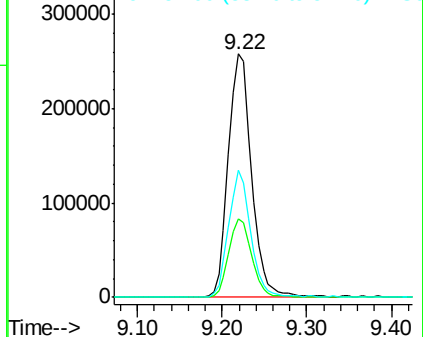
54 52.3 41.4 62.0



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.72 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BG024122.D

Acq: 24 Sep 2016 13:17

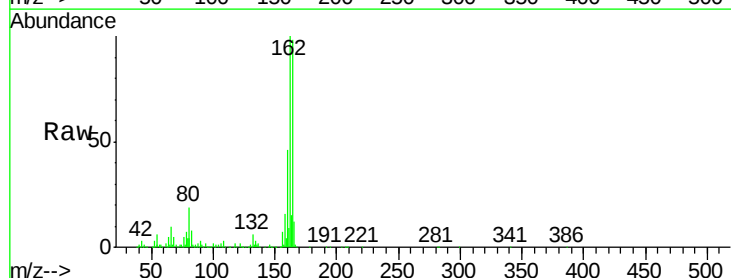
Tgt Ion: 164 Resp: 168696

Ion Ratio Lower Upper

164 100

162 101.8 87.7 131.5

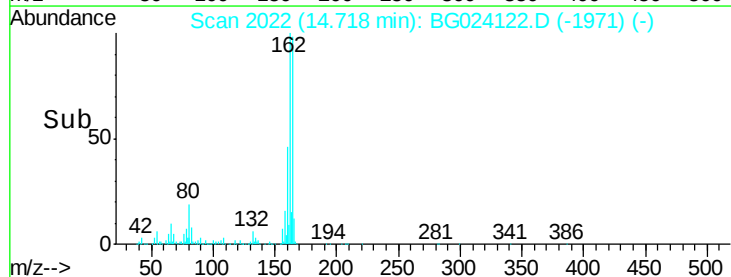
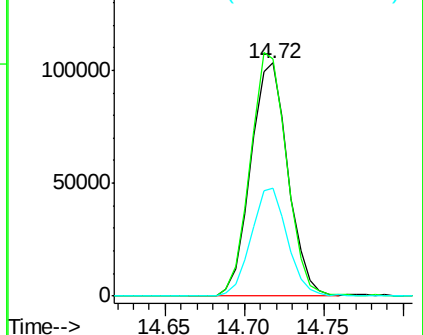
160 46.4 37.2 55.8

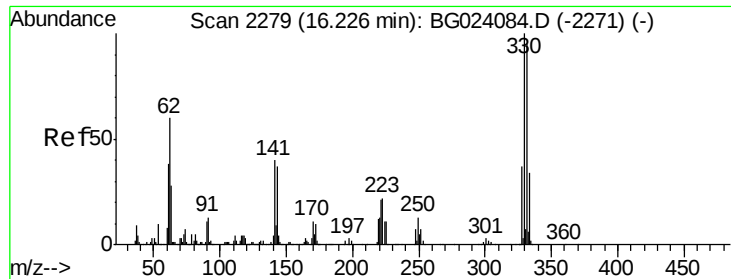


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

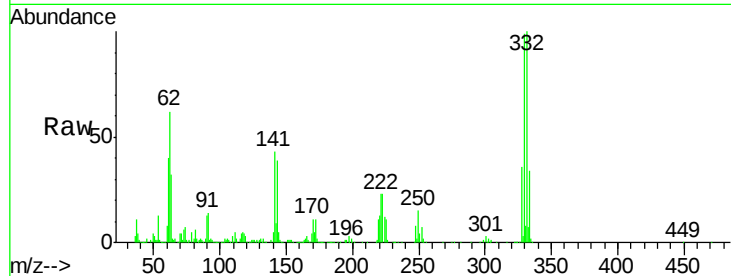




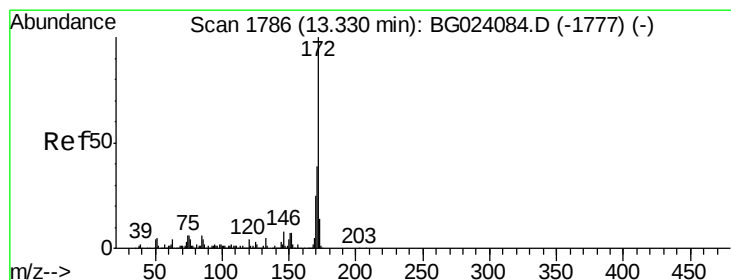
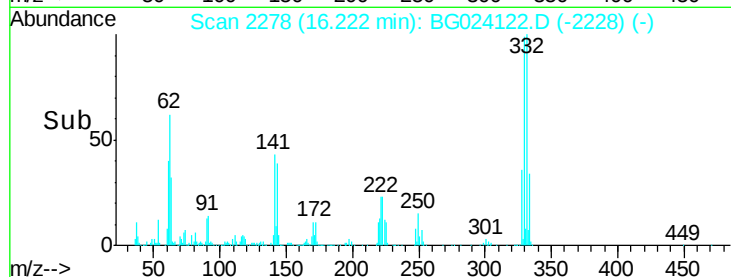
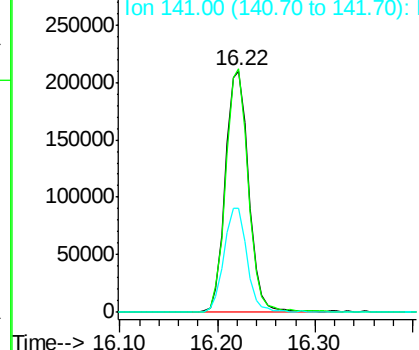
#41  
 2,4,6-Tribromophenol  
 Concen: 143.49 ng  
 RT: 16.22 min Scan# 2278  
 Delta R.T. -0.00 min  
 Lab File: BG024122.D  
 Acq: 24 Sep 2016 13:17

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-2-092116

Tgt Ion:330 Resp: 347942  
 Ion Ratio Lower Upper  
 330 100  
 332 98.1 77.4 116.2  
 141 42.9 31.7 47.5

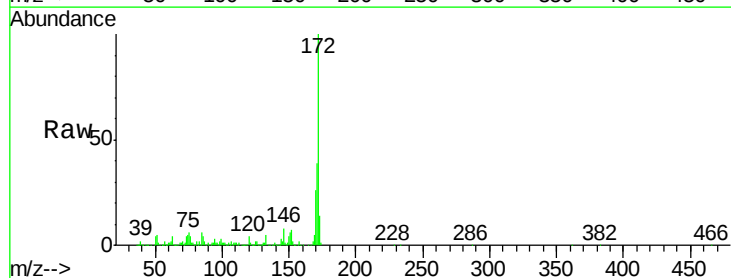


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

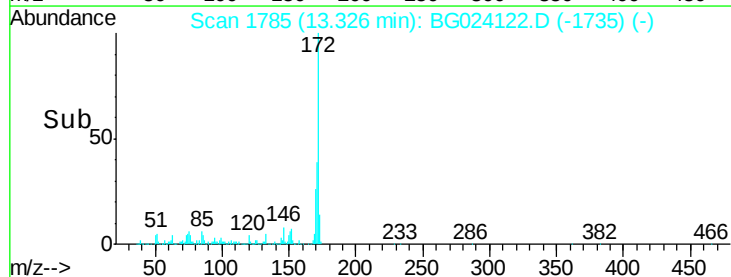
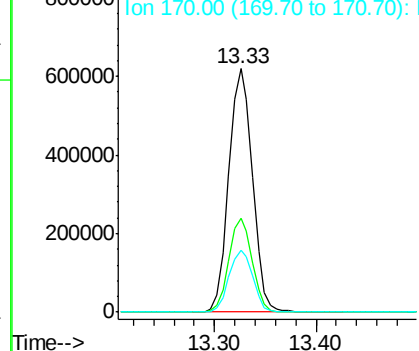


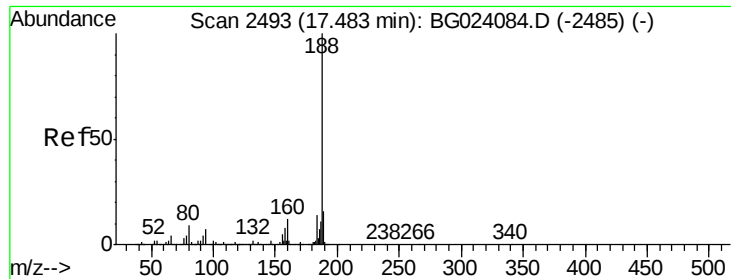
#44  
 2-Fluorobiphenyl  
 Concen: 99.90 ng  
 RT: 13.33 min Scan# 1785  
 Delta R.T. -0.00 min  
 Lab File: BG024122.D  
 Acq: 24 Sep 2016 13:17

Tgt Ion:172 Resp: 1002540  
 Ion Ratio Lower Upper  
 172 100  
 171 38.6 31.6 47.4  
 170 25.6 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

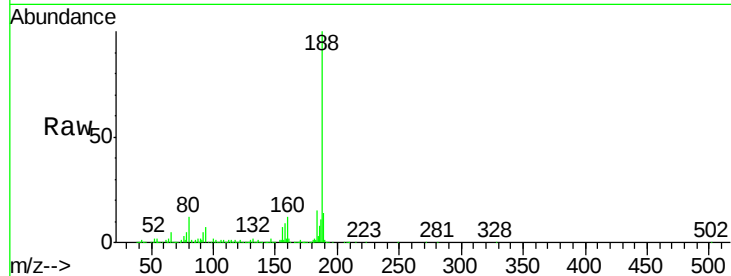




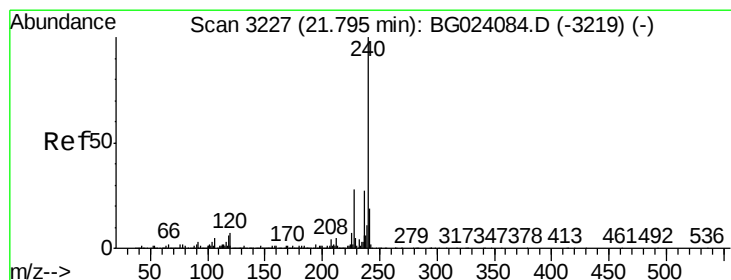
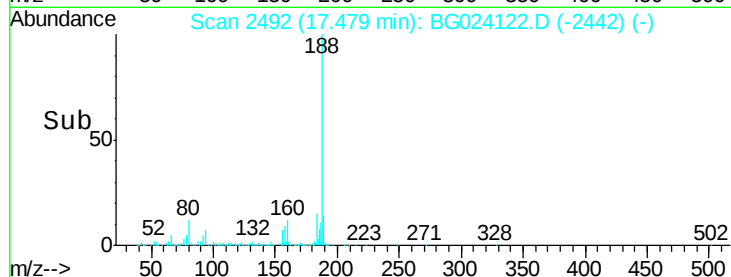
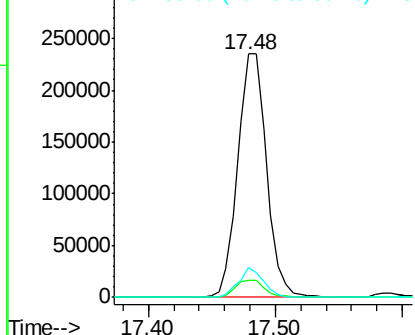
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.48 min Scan# 2492  
Delta R.T. -0.00 min  
Lab File: BG024122.D  
Acq: 24 Sep 2016 13:17

Instrument :  
BNA\_G  
ClientSampleId :  
MW-2-092116

Tgt Ion:188 Resp: 369519  
Ion Ratio Lower Upper  
188 100  
94 7.2 5.2 7.8  
80 12.3 7.2 10.8#

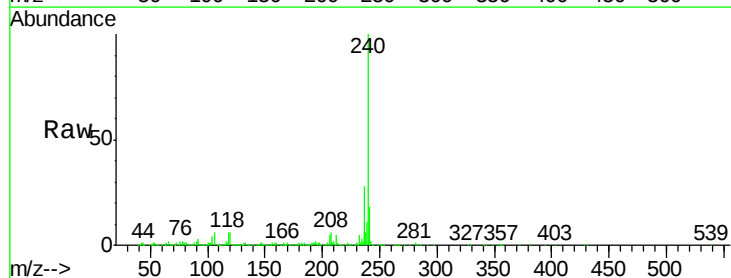


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

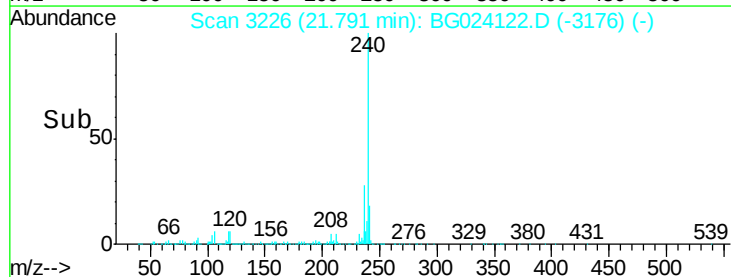
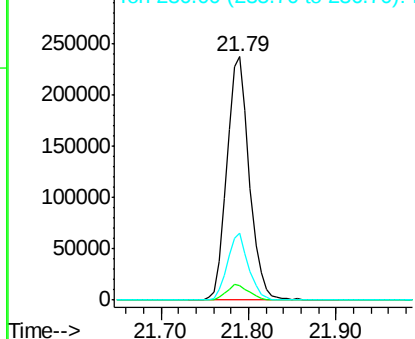


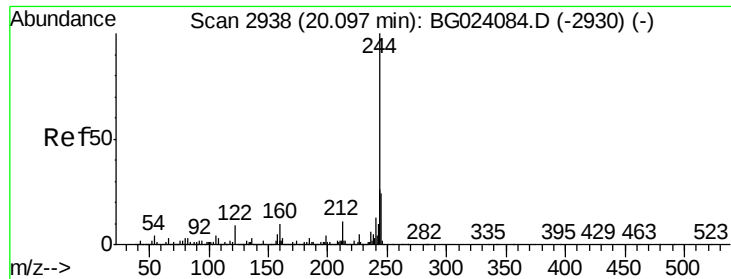
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.79 min Scan# 3226  
Delta R.T. -0.00 min  
Lab File: BG024122.D  
Acq: 24 Sep 2016 13:17

Tgt Ion:240 Resp: 416868  
Ion Ratio Lower Upper  
240 100  
120 6.2 4.1 6.1#  
236 27.7 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: 82.72 ng

RT: 20.09 min Scan# 2937

Delta R.T. -0.00 min

Lab File: BG024122.D

Acq: 24 Sep 2016 13:17

Instrument :

BNA\_G

ClientSampleId :

MW-2-092116

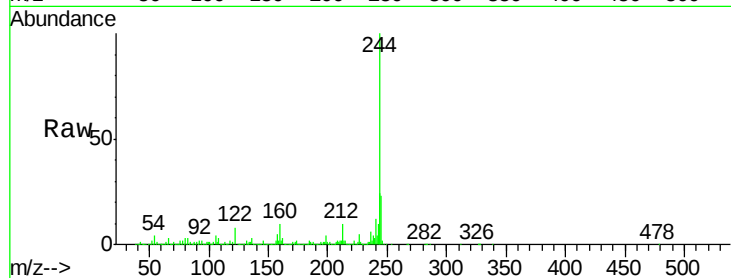
Tgt Ion:244 Resp: 1684169

Ion Ratio Lower Upper

244 100

212 10.5 10.8 16.2#

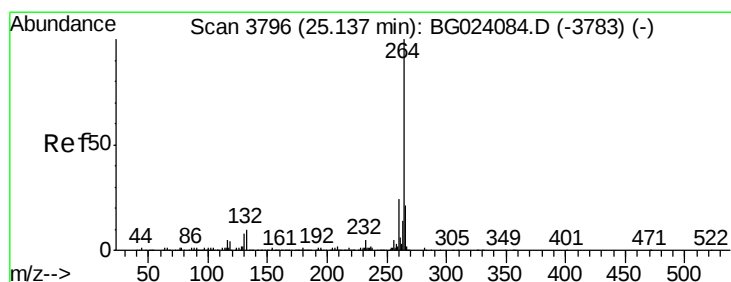
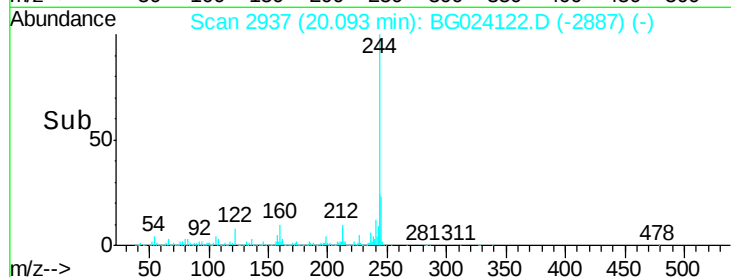
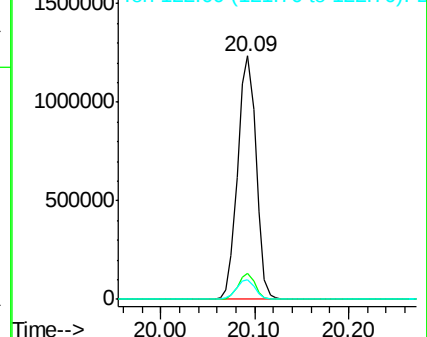
122 7.9 8.0 12.0#



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

Perylene-d12

Concen: 20.00 ng

RT: 25.12 min Scan# 3793

Delta R.T. -0.02 min

Lab File: BG024122.D

Acq: 24 Sep 2016 13:17

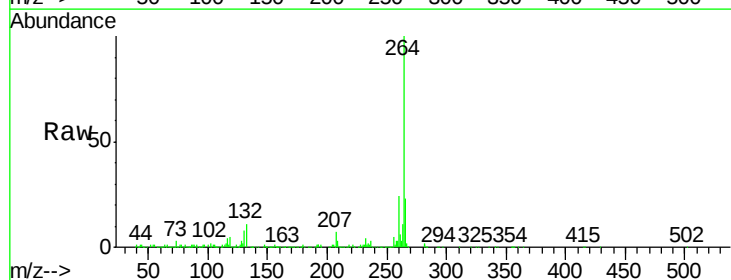
Tgt Ion:264 Resp: 395601

Ion Ratio Lower Upper

264 100

260 24.0 18.4 27.6

265 22.6 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

