

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG062516\  
 Data File : BG022548.D  
 Acq On : 24 Jun 2016 21:27  
 Operator : UM/SJ  
 Sample : H3630-14  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 B1409-TPGW06-0616

Quant Time: Jun 25 03:12:16 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG062516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 24 20:14:59 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.17  | 152  | 88919    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.99 | 136  | 376876   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.80 | 164  | 269808   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.55 | 188  | 739234   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.84 | 240  | 931448   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.21 | 264  | 886325   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.71  | 112  | 383537   | 69.18  | ng    | 0.00     |
| 7) Phenol-d6                | 7.30  | 99   | 366887   | 46.95  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.34  | 82   | 855563   | 96.08  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.29 | 330  | 652136   | 153.67 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.43 | 172  | 1725557  | 101.43 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.15 | 244  | 2895792  | 82.37  | ng    | 0.00     |

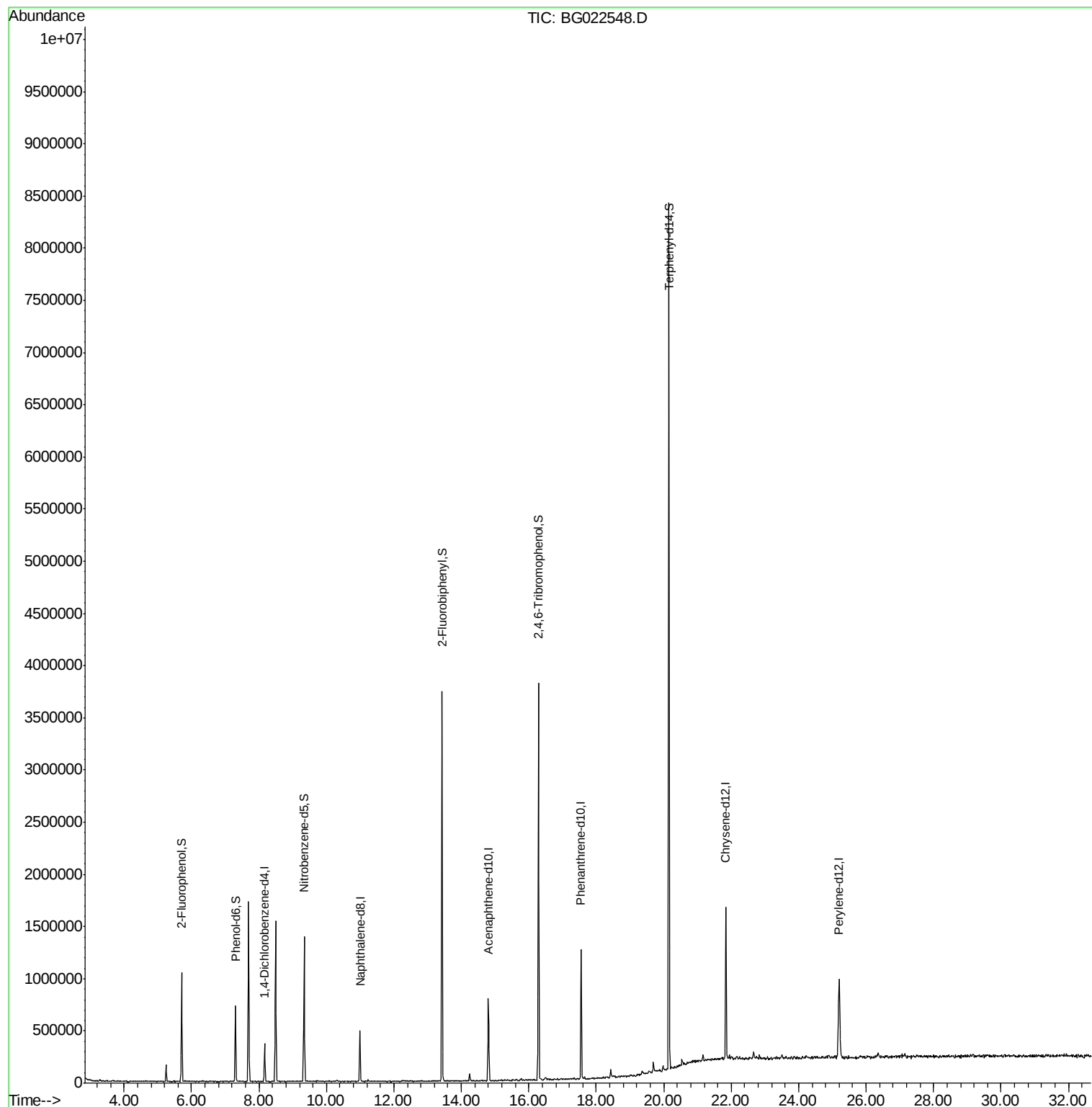
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.17 min Scan# 907

Delta R.T. -0.01 min

Lab File: BG022548.D

Acq: 24 Jun 2016 21:27

Instrument :

BNA\_G

ClientSampleId :

B1409-TPGW06-0616

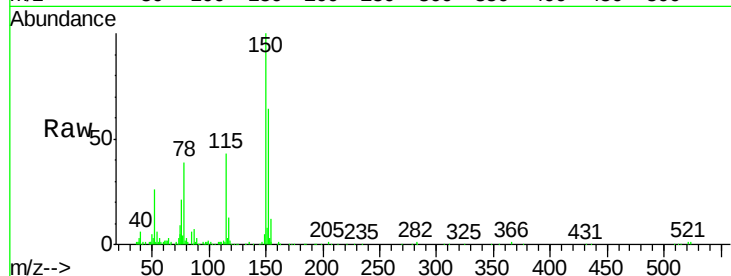
Tgt Ion:152 Resp: 88919

Ion Ratio Lower Upper

152 100

150 156.1 144.7 217.1

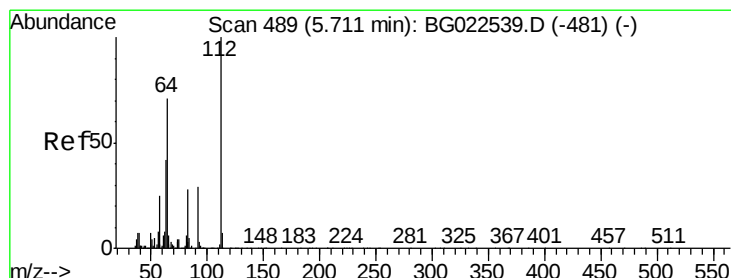
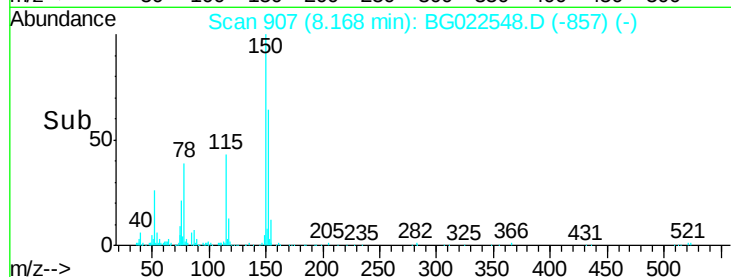
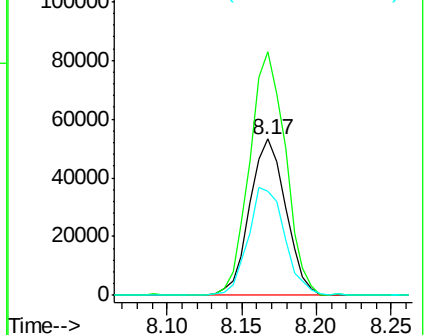
115 66.6 64.0 96.0



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: 69.18 ng

RT: 5.71 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG022548.D

Acq: 24 Jun 2016 21:27

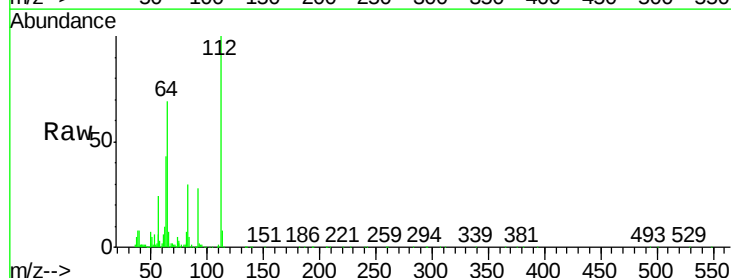
Tgt Ion:112 Resp: 383537

Ion Ratio Lower Upper

112 100

64 69.2 59.0 88.4

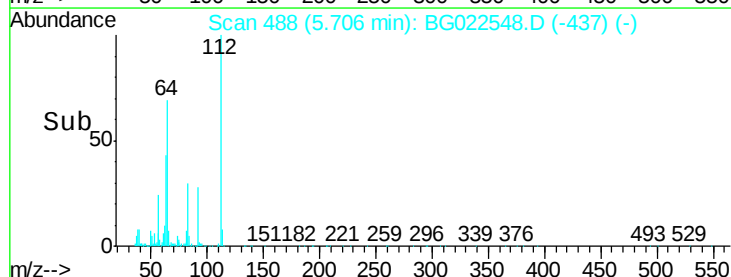
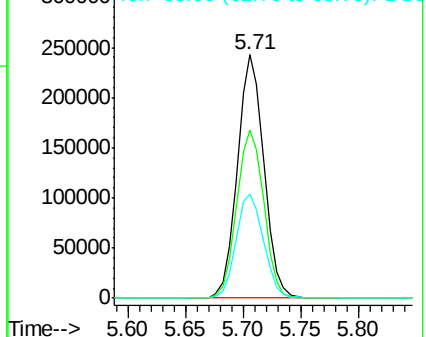
63 42.6 37.8 56.8



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: 46.95 ng

RT: 7.30 min Scan# 760

Delta R.T. 0.00 min

Lab File: BG022548.D

Acq: 24 Jun 2016 21:27

Instrument :

BNA\_G

ClientSampleId :

B1409-TPGW06-0616

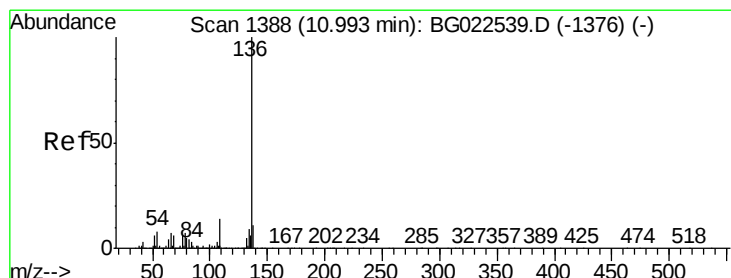
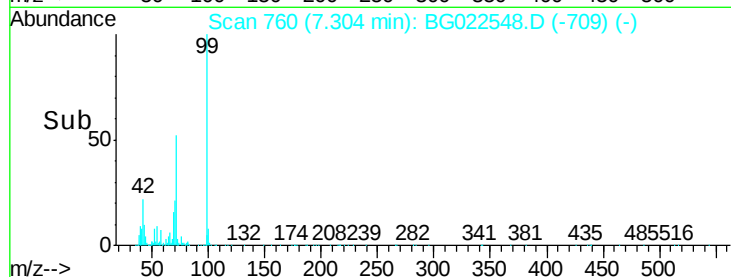
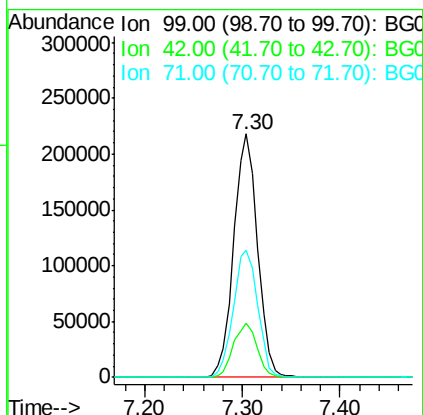
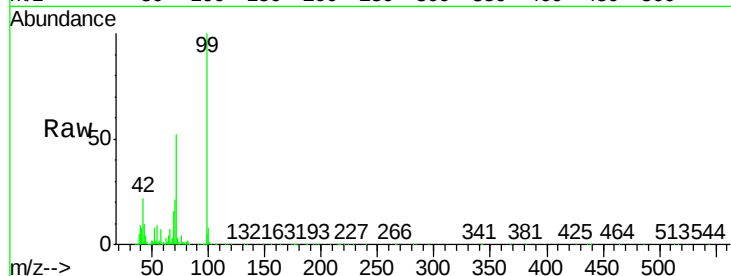
Tgt Ion: 99 Resp: 366887

Ion Ratio Lower Upper

99 100

42 22.1 17.8 26.6

71 52.4 41.5 62.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.99 min Scan# 1388

Delta R.T. 0.00 min

Lab File: BG022548.D

Acq: 24 Jun 2016 21:27

Tgt Ion: 136 Resp: 376876

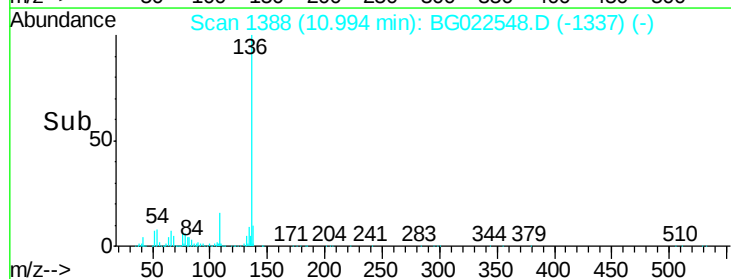
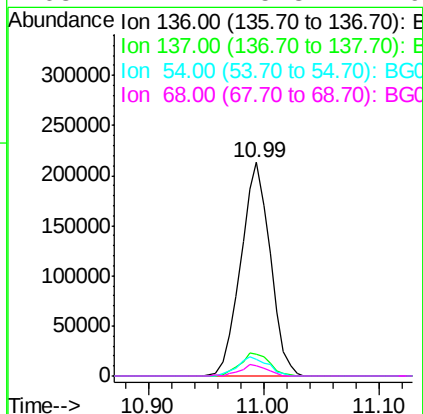
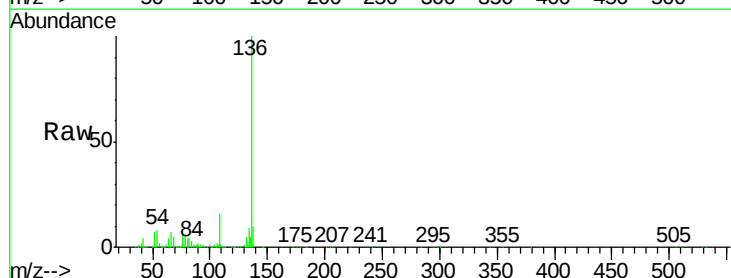
Ion Ratio Lower Upper

136 100

137 10.1 9.6 14.4

54 7.8 7.3 10.9

68 4.7 5.3 7.9#

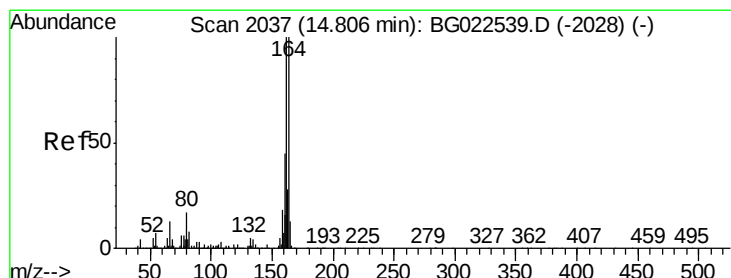
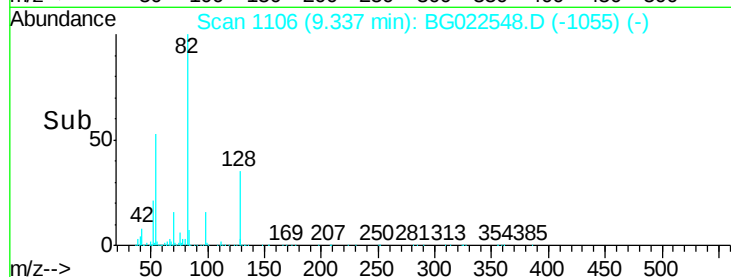
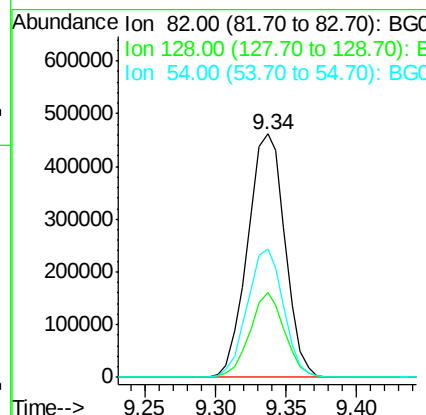
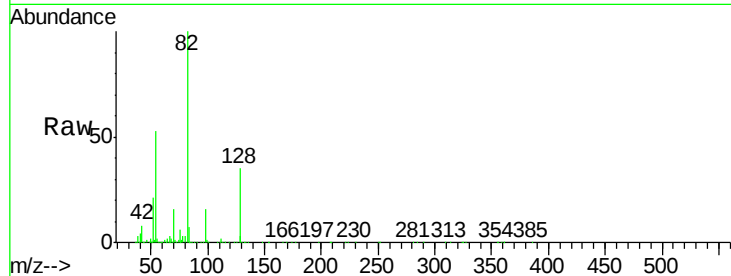




#23  
Nitrobenzene-d5  
Concen: 96.08 ng  
RT: 9.34 min Scan# 1106  
Delta R.T. 0.00 min  
Lab File: BG022548.D  
Acq: 24 Jun 2016 21:27

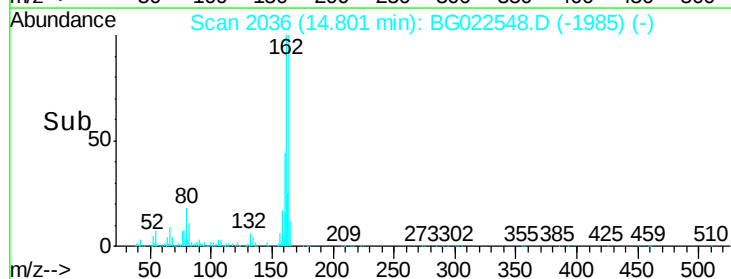
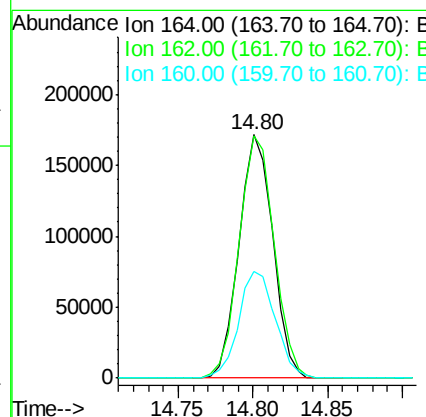
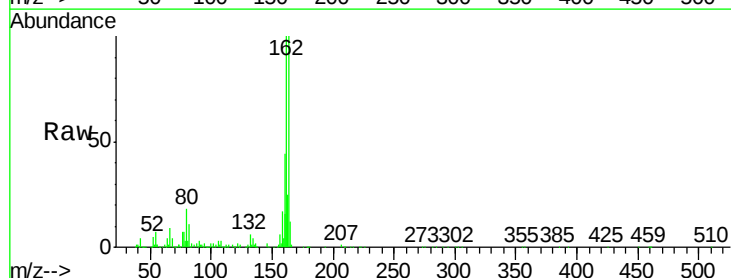
Instrument :  
BNA\_G  
ClientSampleId :  
B1409-TPGW06-0616

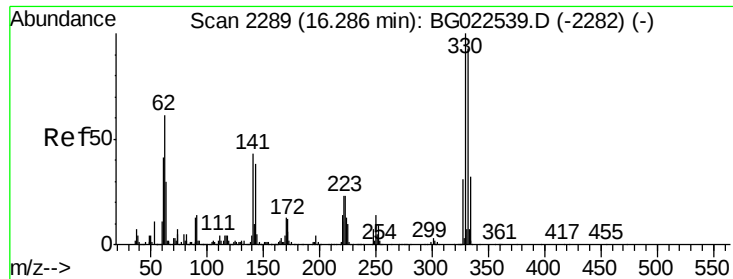
Tgt Ion: 82 Resp: 855563  
Ion Ratio Lower Upper  
82 100  
128 34.9 24.4 36.6  
54 52.9 41.4 62.0



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.80 min Scan# 2036  
Delta R.T. 0.00 min  
Lab File: BG022548.D  
Acq: 24 Jun 2016 21:27

Tgt Ion: 164 Resp: 269808  
Ion Ratio Lower Upper  
164 100  
162 99.7 87.7 131.5  
160 43.8 37.2 55.8

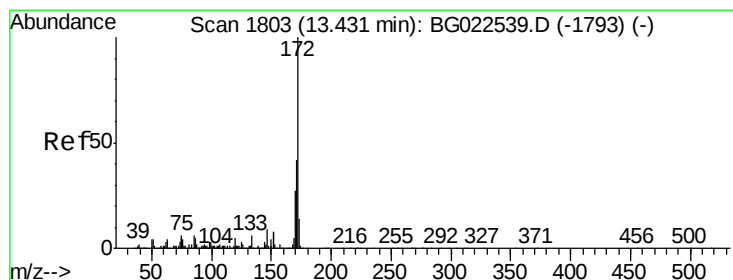
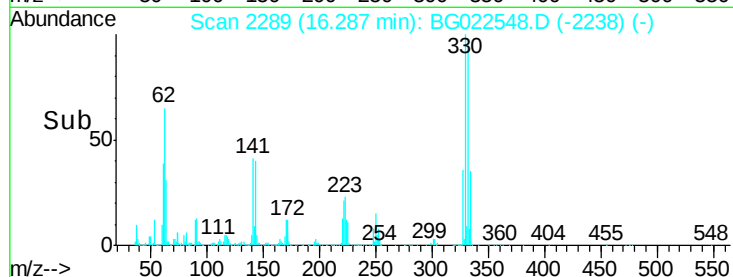
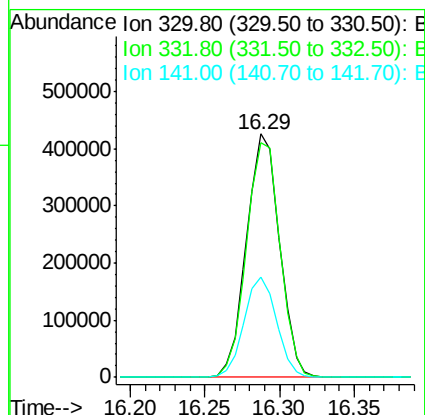
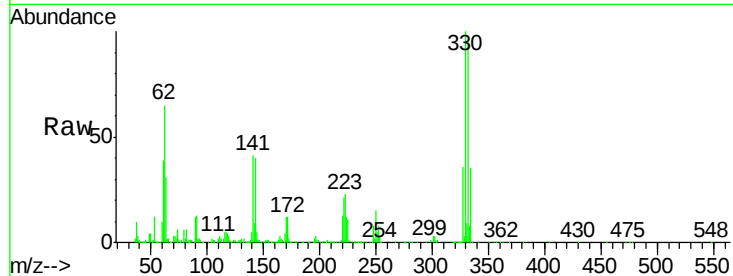




#41  
 2,4,6-Tribromophenol  
 Concen: 153.67 ng  
 RT: 16.29 min Scan# 2289  
 Delta R.T. 0.00 min  
 Lab File: BG022548.D  
 Acq: 24 Jun 2016 21:27

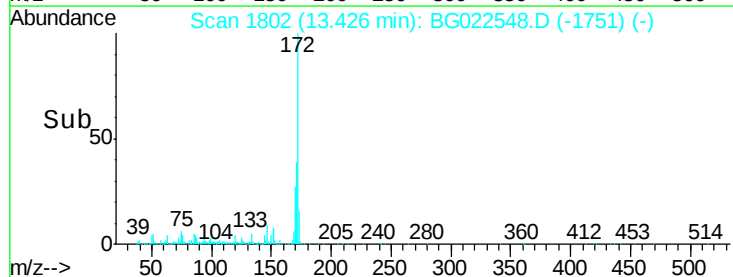
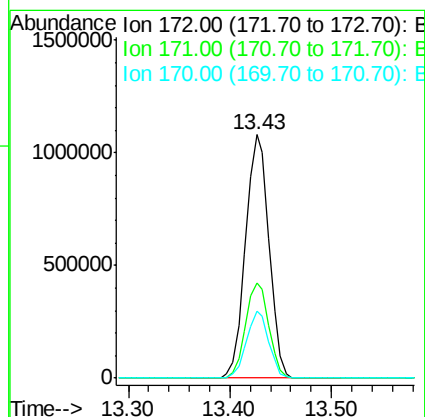
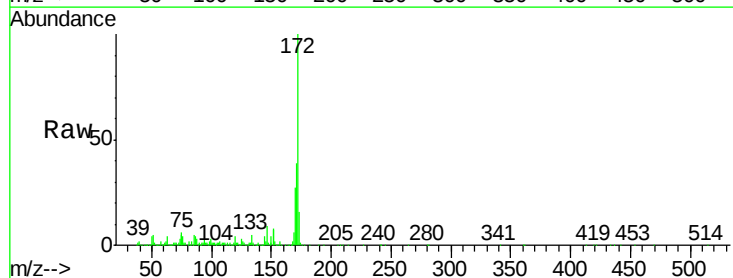
Instrument :  
 BNA\_G  
 ClientSampleId :  
 B1409-TPGW06-0616

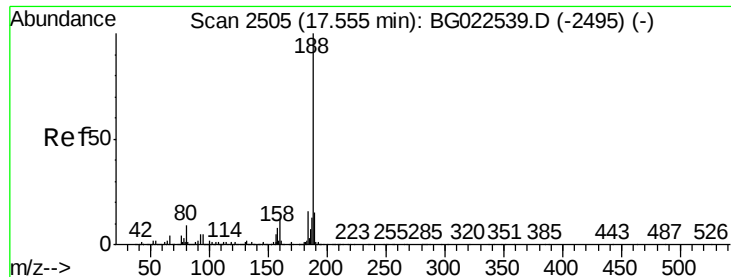
Tgt Ion:330 Resp: 652136  
 Ion Ratio Lower Upper  
 330 100  
 332 98.0 77.4 116.2  
 141 40.6 31.7 47.5



#44  
 2-Fluorobiphenyl  
 Concen: 101.43 ng  
 RT: 13.43 min Scan# 1802  
 Delta R.T. 0.00 min  
 Lab File: BG022548.D  
 Acq: 24 Jun 2016 21:27

Tgt Ion:172 Resp: 1725557  
 Ion Ratio Lower Upper  
 172 100  
 171 39.3 31.6 47.4  
 170 27.4 21.3 31.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.55 min Scan# 2504

Delta R.T. 0.00 min

Lab File: BG022548.D

Acq: 24 Jun 2016 21:27

Instrument :

BNA\_G

ClientSampleId :

B1409-TPGW06-0616

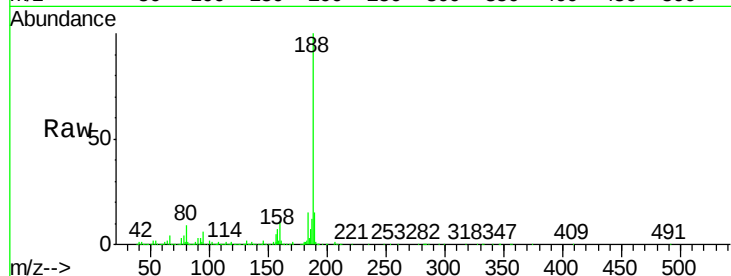
Tgt Ion:188 Resp: 739234

Ion Ratio Lower Upper

188 100

94 6.0 5.2 7.8

80 9.2 7.2 10.8

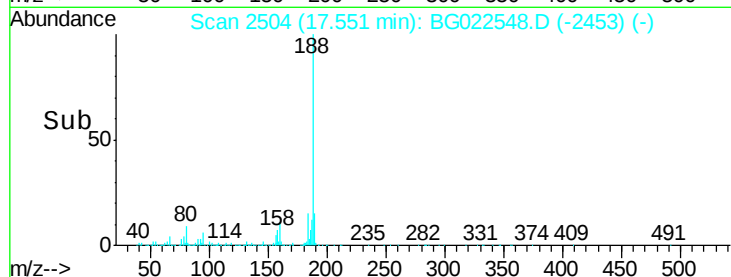


Abundance Ion 188.00 (187.70 to 188.70): E

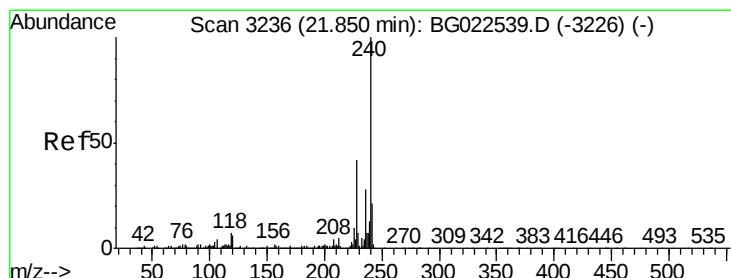
Ion 94.00 (93.70 to 94.70): BG022539.D (-2495) (-)

Ion 80.00 (79.70 to 80.70): BG022539.D (-2495) (-)

Time-->



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.84 min Scan# 3234

Delta R.T. -0.01 min

Lab File: BG022548.D

Acq: 24 Jun 2016 21:27

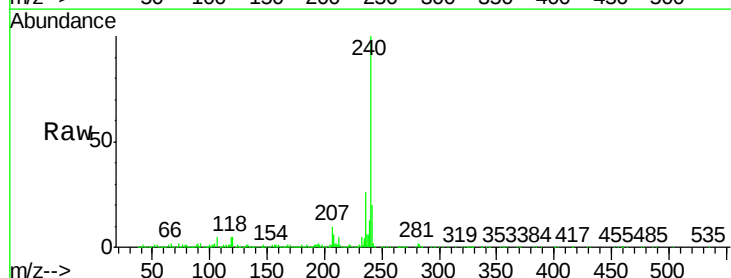
Tgt Ion:240 Resp: 931448

Ion Ratio Lower Upper

240 100

120 5.2 4.1 6.1

236 26.1 21.1 31.7

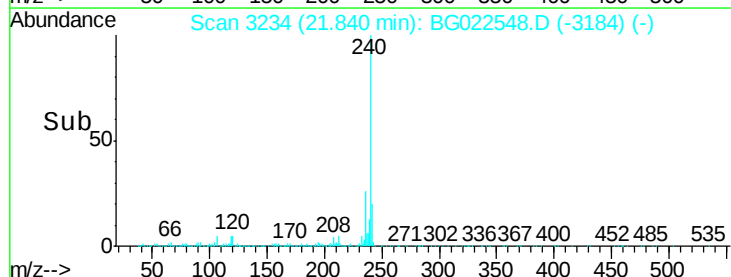


Abundance Ion 240.00 (239.70 to 240.70): E

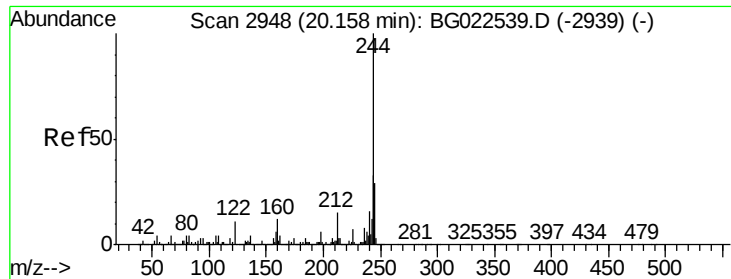
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time-->



Time-->



#78

Terphenyl-d14

Concen: 82.37 ng

RT: 20.15 min Scan# 2947

Delta R.T. 0.00 min

Lab File: BG022548.D

Acq: 24 Jun 2016 21:27

Instrument :

BNA\_G

ClientSampleId :

B1409-TPGW06-0616

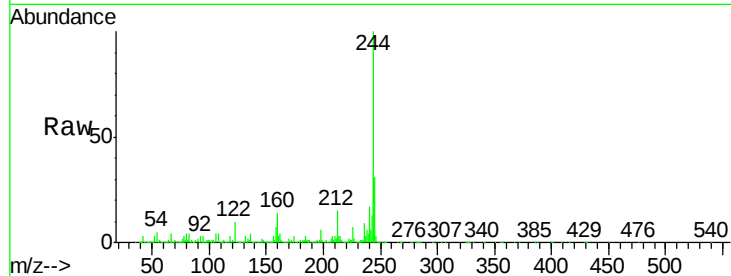
Tgt Ion:244 Resp: 2895792

Ion Ratio Lower Upper

244 100

212 15.1 10.8 16.2

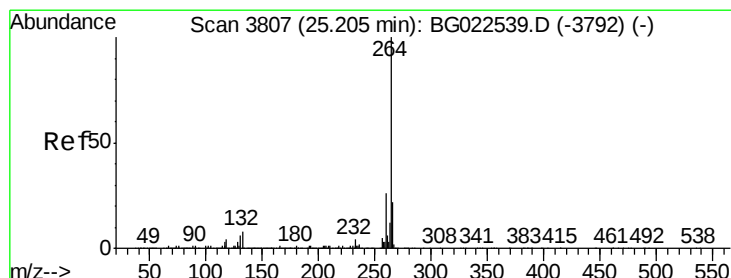
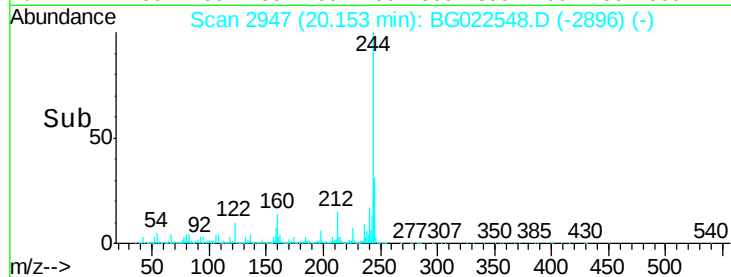
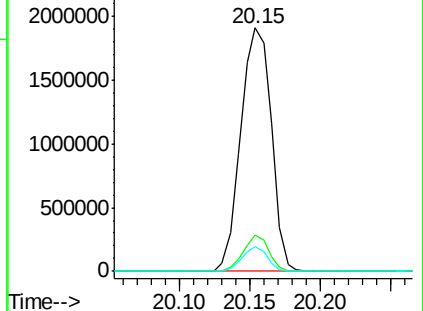
122 10.4 8.0 12.0



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: 25.21 min Scan# 3807

Delta R.T. 0.00 min

Lab File: BG022548.D

Acq: 24 Jun 2016 21:27

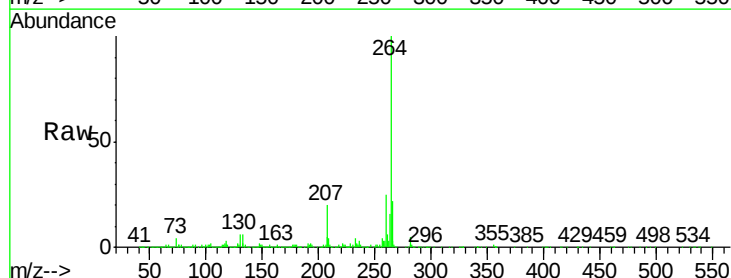
Tgt Ion:264 Resp: 886325

Ion Ratio Lower Upper

264 100

260 25.3 18.4 27.6

265 22.0 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

