

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\  
 Data File : BG020977.D  
 Acq On : 19 Feb 2016 18:17  
 Operator : SJ/UM  
 Sample : H1507-02  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HW-31

Quant Time: Feb 19 21:49:43 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 11 15:26:53 2016  
 Response via : Initial Calibration

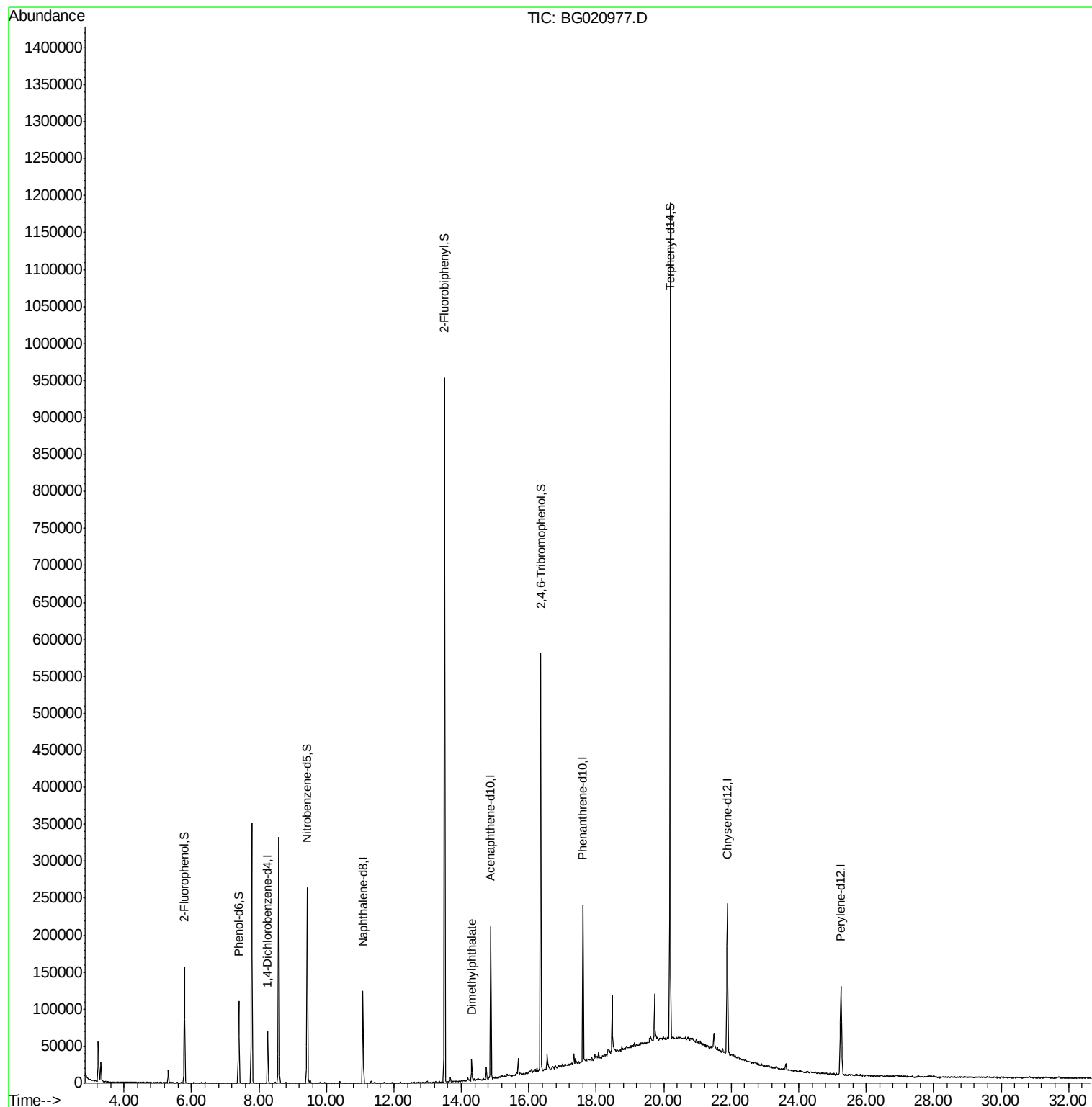
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.26  | 152  | 22351    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 11.08 | 136  | 119595   | 20.00  | ng    | -0.02          |
| 38) Acenaphthene-d10        | 14.87 | 164  | 69533    | 20.00  | ng    | -0.02          |
| 63) Phenanthrene-d10        | 17.60 | 188  | 130500   | 20.00  | ng    | -0.02          |
| 75) Chrysene-d12            | 21.89 | 240  | 117867   | 20.00  | ng    | -0.02          |
| 86) Perylene-d12            | 25.26 | 264  | 114236   | 20.00  | ng    | -0.03          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.79  | 112  | 89376    | 67.34  | ng    | 0.00           |
| 7) Phenol-d6                | 7.40  | 99   | 82589    | 42.57  | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 9.43  | 82   | 177691   | 97.69  | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 16.35 | 330  | 109386   | 159.97 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 13.50 | 172  | 507310   | 102.49 | ng    | 0.00           |
| 78) Terphenyl-d14           | 20.19 | 244  | 469881   | 93.00  | ng    | -0.02          |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 14.31 | 163  | 20159    | 3.71   | ng    | Qvalue<br># 99 |

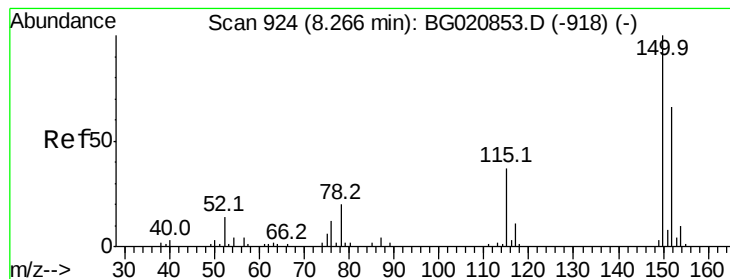
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\  
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Instrument :  
BNA\_G  
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HW-31

Quant Time: Feb 19 21:49:43 2016  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Feb 11 15:26:53 2016  
Response via : Initial Calibration



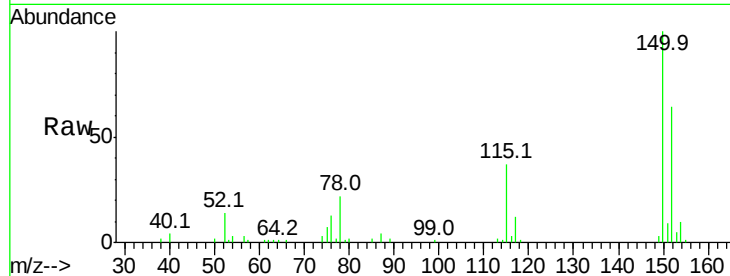


#1

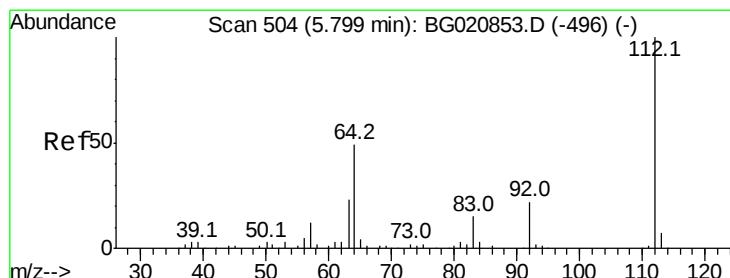
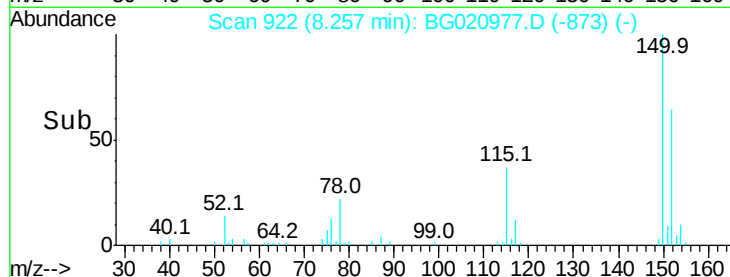
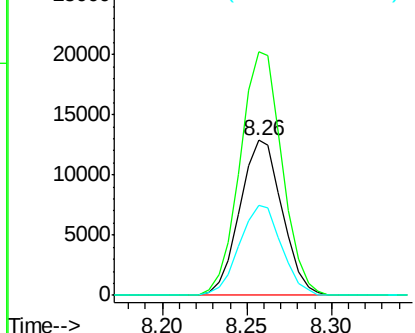
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.26 min Scan# 922  
Delta R.T. -0.01 min  
Lab File: BG020977.D  
Acq: 19 Feb 2016 18:17

Instrument :  
BNA\_G  
ClientSampled :  
HW-31

Tot Ion:152 Resp: 22351  
Ion Ratio Lower Upper  
152 100  
150 157.2 122.0 183.0  
115 58.1 45.2 67.8



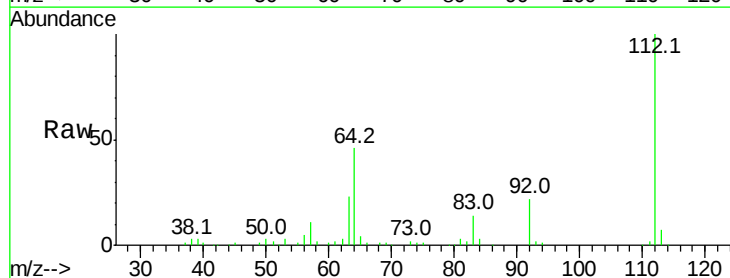
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



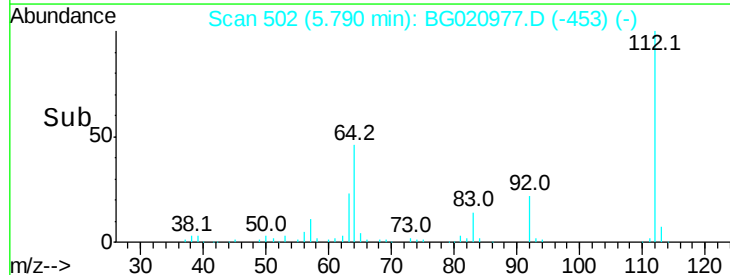
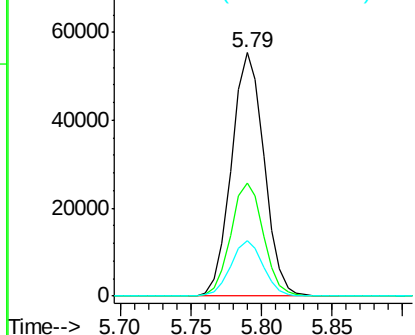
#5

2-Fluorophenol  
Concen: 67.34 ng  
RT: 5.79 min Scan# 502  
Delta R.T. -0.01 min  
Lab File: BG020977.D  
Acq: 19 Feb 2016 18:17

Tgt Ion:112 Resp: 89376  
Ion Ratio Lower Upper  
112 100  
64 46.5 39.3 58.9  
63 22.9 18.2 27.4



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: 42.57 ng

RT: 7.40 min Scan# 776

Delta R.T. -0.01 min

Lab File: BG020977.D

Acq: 19 Feb 2016 18:17

Instrument :

BNA\_G

ClientSampleId :

HW-31

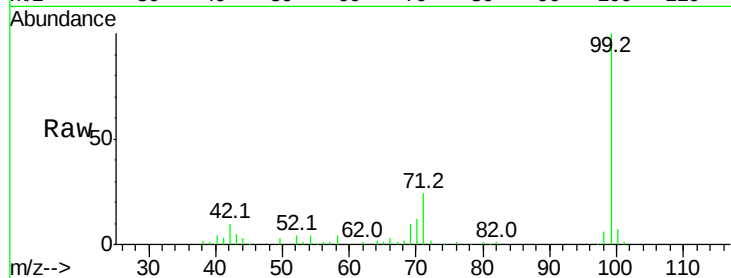
Tot Ion: 99 Resp: 82589

Ion Ratio Lower Upper

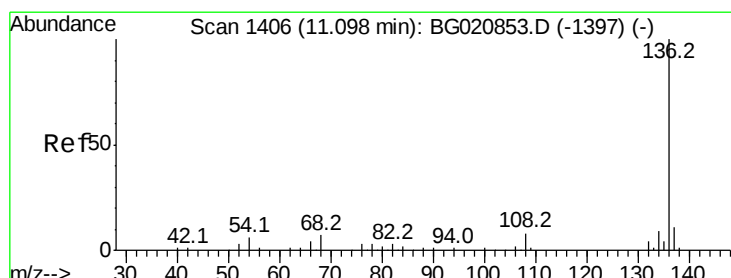
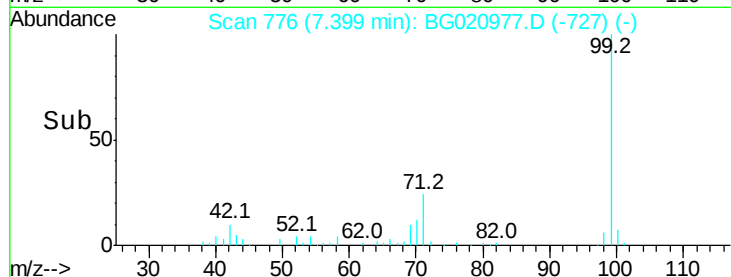
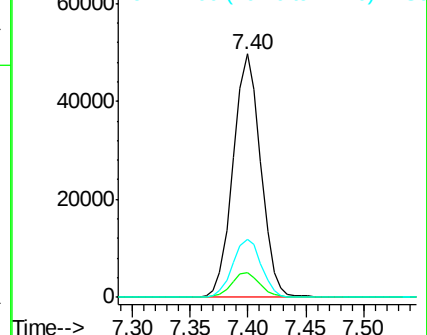
99 100

42 10.2 8.4 12.6

71 24.1 19.4 29.0



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: 11.08 min Scan# 1403

Delta R.T. -0.02 min

Lab File: BG020977.D

Acq: 19 Feb 2016 18:17

Tgt Ion: 136 Resp: 119595

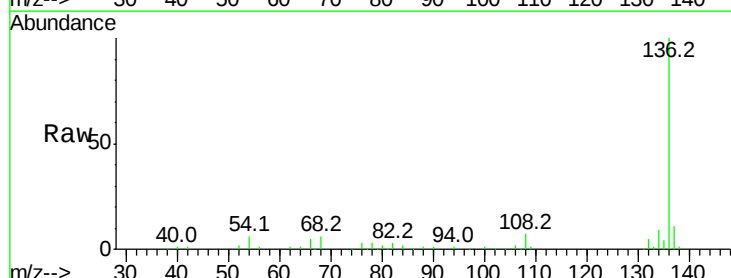
Ion Ratio Lower Upper

136 100

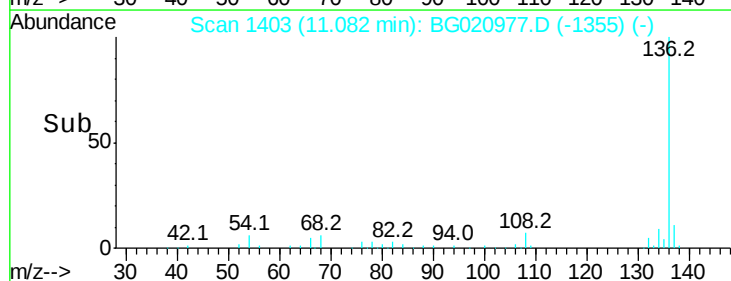
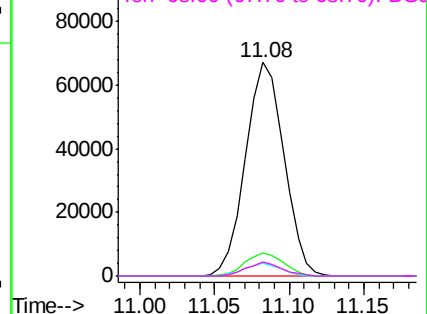
137 11.0 8.8 13.2

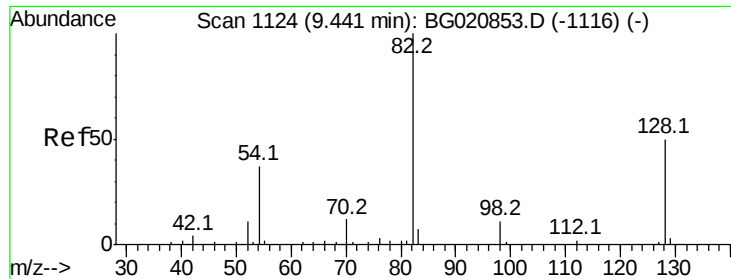
54 5.9 5.0 7.4

68 6.4 5.2 7.8



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

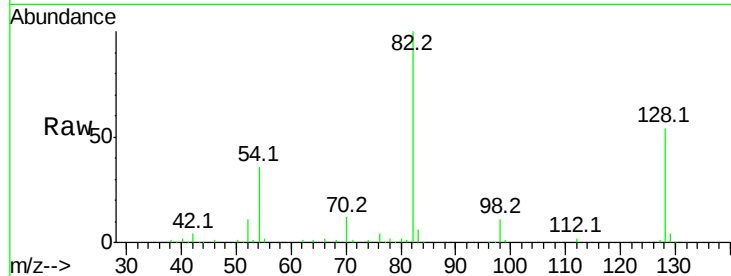




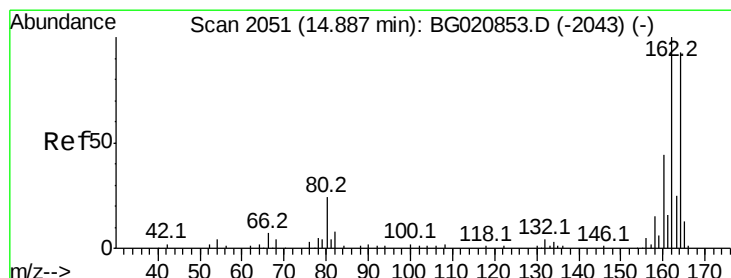
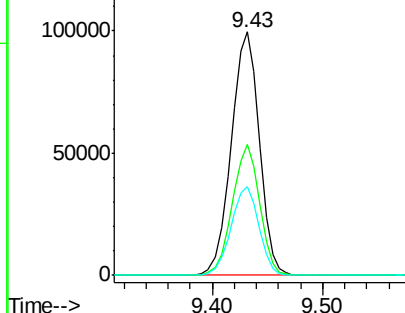
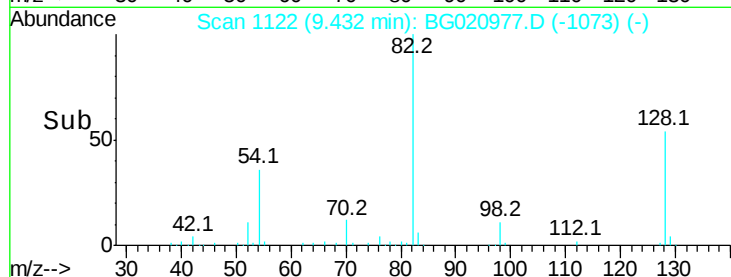
#23  
Nitrobenzene-d5  
Concen: 97.69 ng  
RT: 9.43 min Scan# 1122  
Delta R.T. -0.01 min  
Lab File: BG020977.D  
Acq: 19 Feb 2016 18:17

Instrument :  
BNA\_G  
ClientSampled :  
HW-31

Tot Ion: 82 Resp: 177691  
Ion Ratio Lower Upper  
82 100  
128 53.9 40.1 60.1  
54 36.3 29.5 44.3

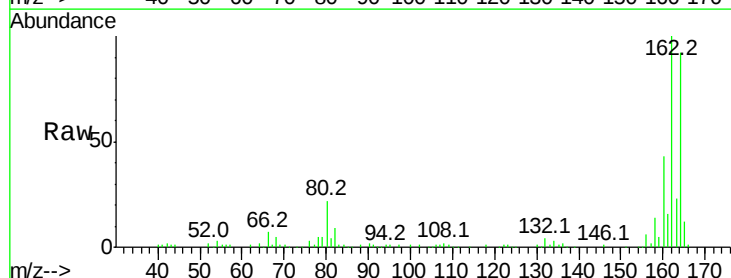


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

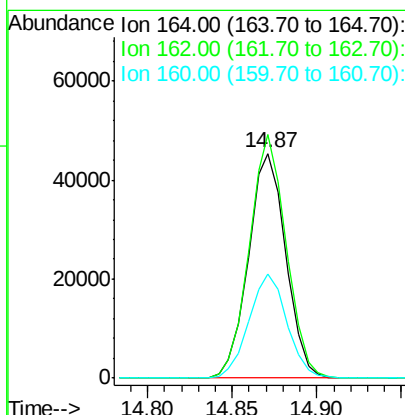
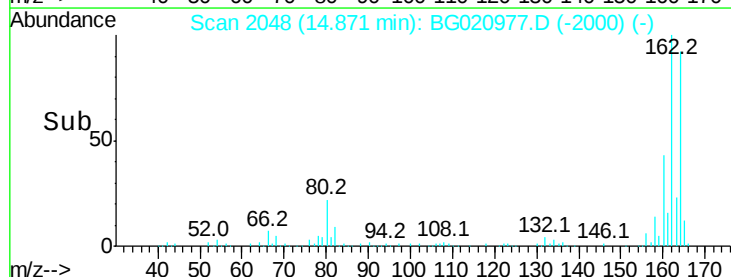


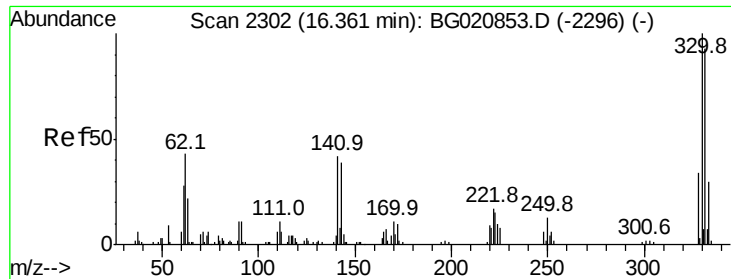
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.87 min Scan# 2048  
Delta R.T. -0.02 min  
Lab File: BG020977.D  
Acq: 19 Feb 2016 18:17

Tgt Ion:164 Resp: 69533  
Ion Ratio Lower Upper  
164 100  
162 108.2 85.7 128.5  
160 46.3 37.4 56.0



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

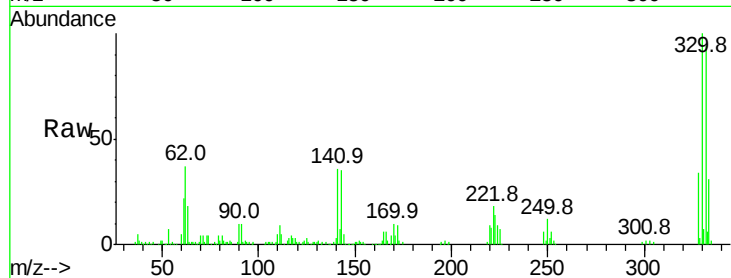




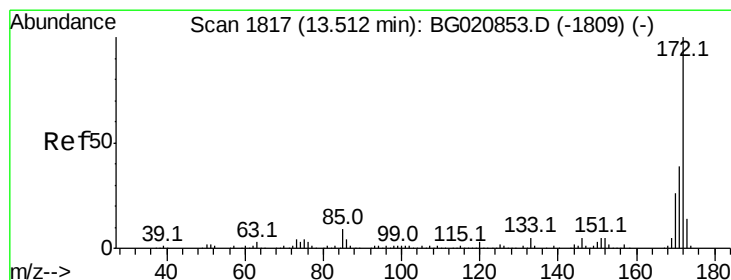
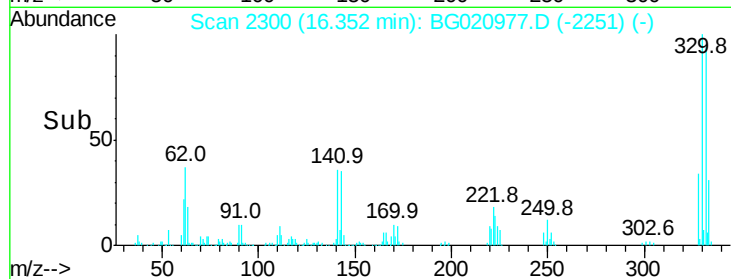
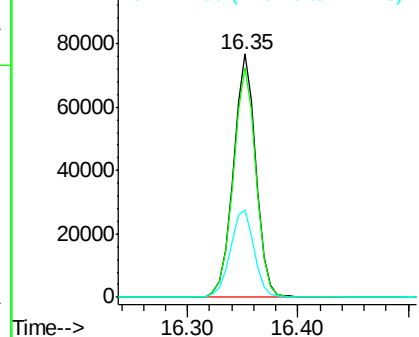
#41  
 2,4,6-Tribromophenol  
 Concen: 159.97 ng  
 RT: 16.35 min Scan# 2300  
 Delta R.T. -0.01 min  
 Lab File: BG020977.D  
 Acq: 19 Feb 2016 18:17

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HW-31

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.4  | 76.1  | 114.1 |
| 141     | 38.2  | 32.0  | 48.0  |

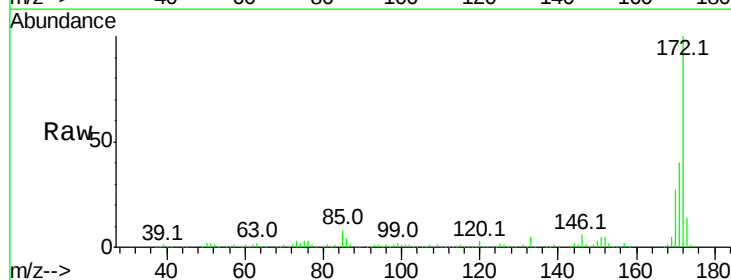


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

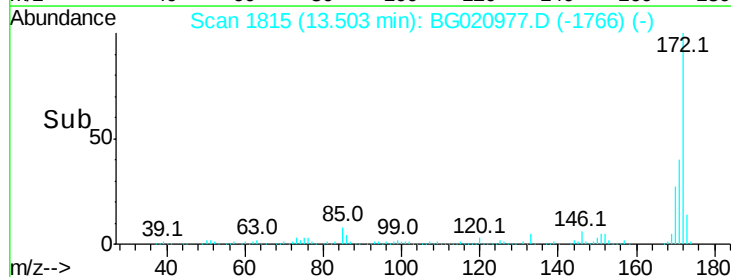
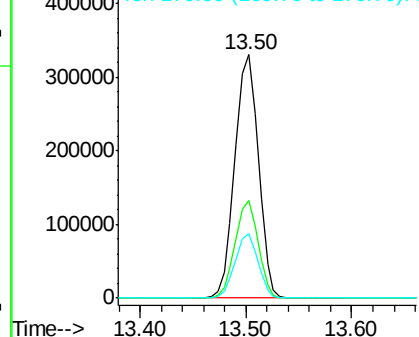


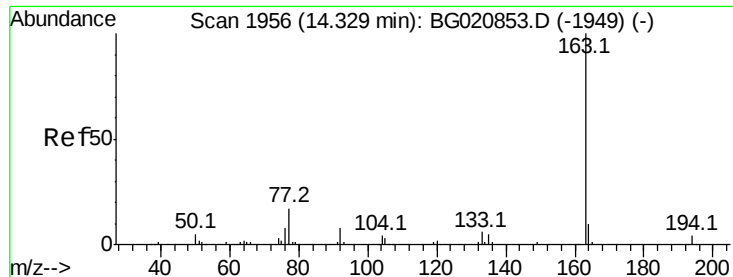
#44  
 2-Fluorobiphenyl  
 Concen: 102.49 ng  
 RT: 13.50 min Scan# 1815  
 Delta R.T. -0.01 min  
 Lab File: BG020977.D  
 Acq: 19 Feb 2016 18:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 40.1  | 31.2  | 46.8  |
| 170     | 26.6  | 20.6  | 30.8  |



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

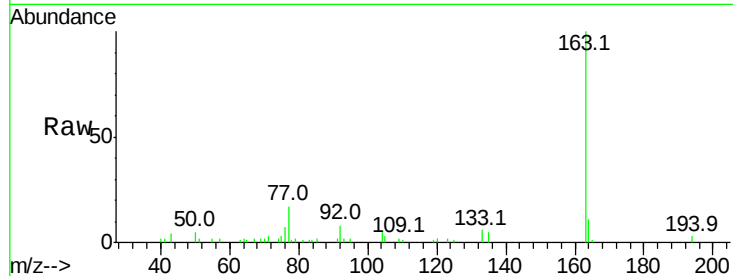




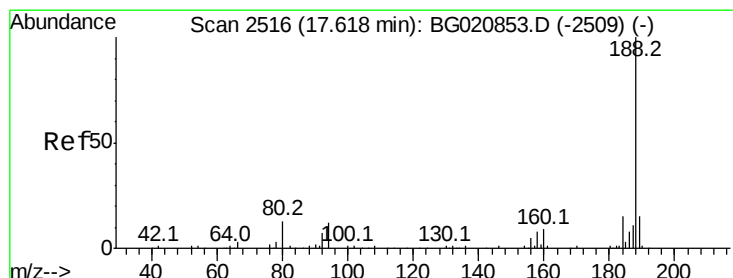
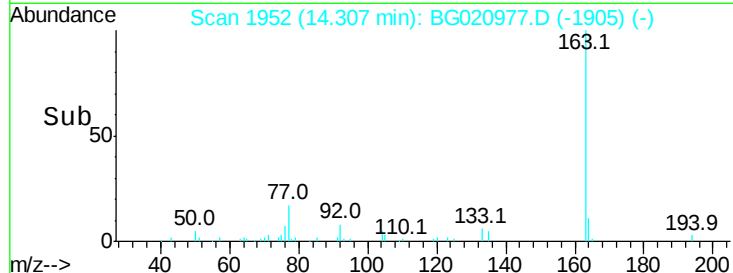
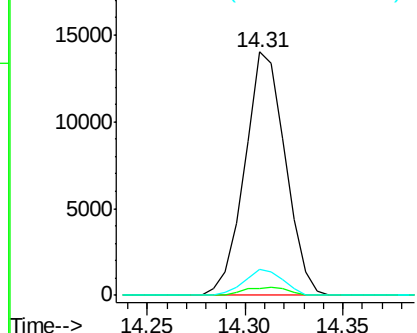
#49  
Dimethylphthalate  
Concen: 3.71 ng  
RT: 14.31 min Scan# 1952  
Delta R.T. -0.02 min  
Lab File: BG020977.D  
Acq: 19 Feb 2016 18:17

Instrument :  
BNA\_G  
ClientSampleId :  
HW-31

Tot Ion:163 Resp: 20159  
Ion Ratio Lower Upper  
163 100  
194 2.9 3.1 4.7#  
164 10.5 8.3 12.5

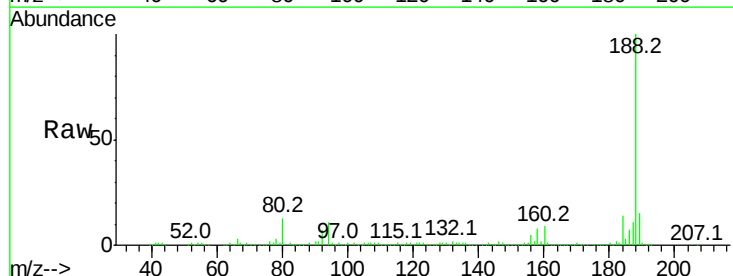


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

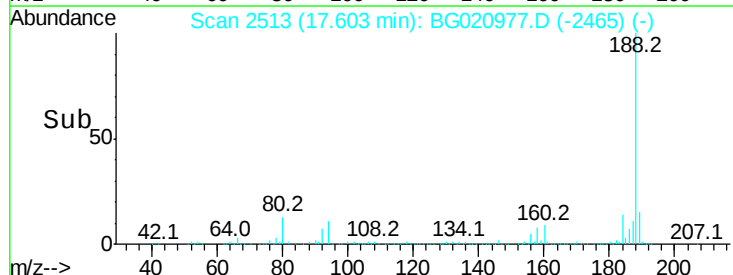
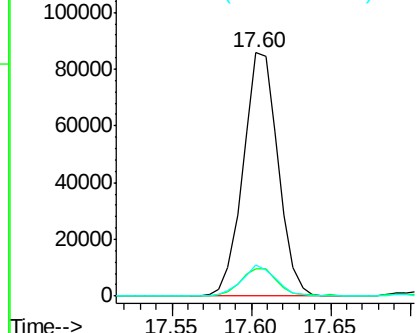


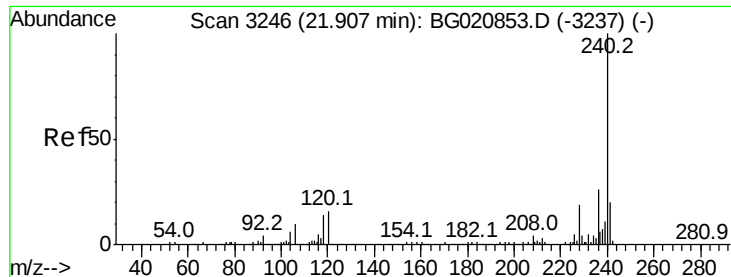
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.60 min Scan# 2513  
Delta R.T. -0.02 min  
Lab File: BG020977.D  
Acq: 19 Feb 2016 18:17

Tgt Ion:188 Resp: 130500  
Ion Ratio Lower Upper  
188 100  
94 11.3 9.4 14.0  
80 12.8 10.2 15.4



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: 21.89 min Scan# 3242

Delta R.T. -0.02 min

Lab File: BG020977.D

Acq: 19 Feb 2016 18:17

Instrument :

BNA\_G

ClientSampleId :

HW-31

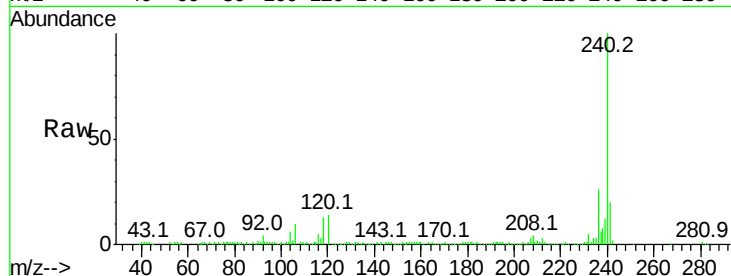
Tot Ion:240 Resp: 117867

Ion Ratio Lower Upper

240 100

120 13.7 13.0 19.4

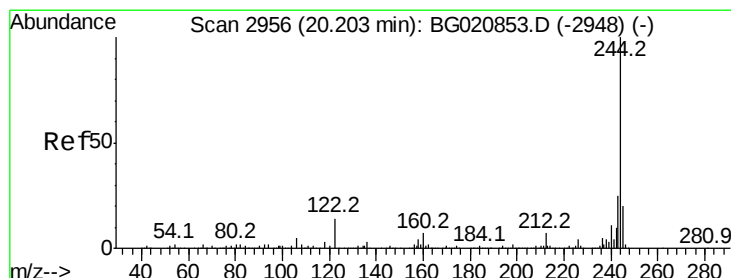
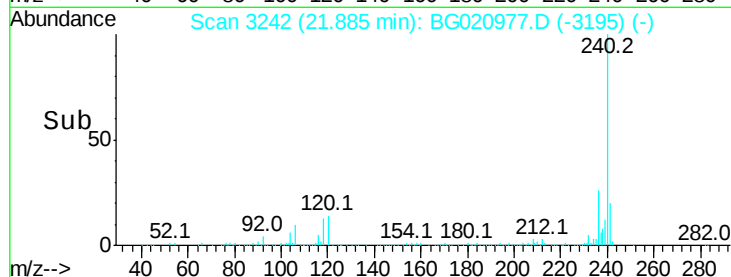
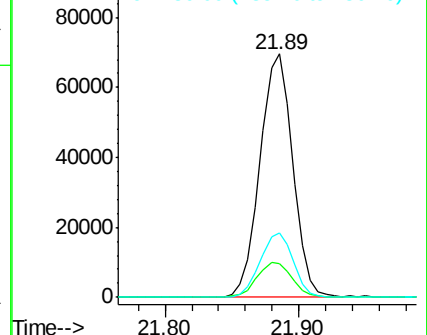
236 26.5 21.0 31.4



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: 93.00 ng

RT: 20.19 min Scan# 2953

Delta R.T. -0.02 min

Lab File: BG020977.D

Acq: 19 Feb 2016 18:17

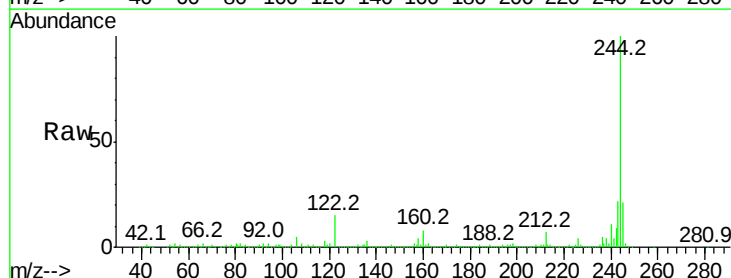
Tgt Ion:244 Resp: 469881

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

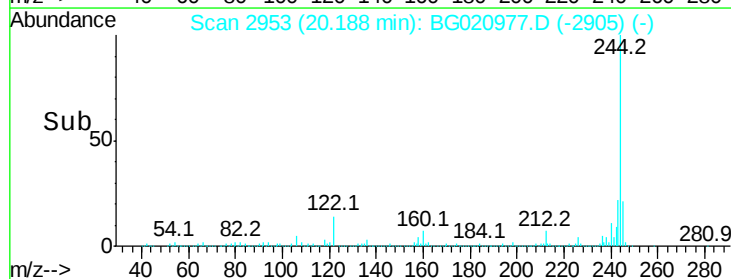
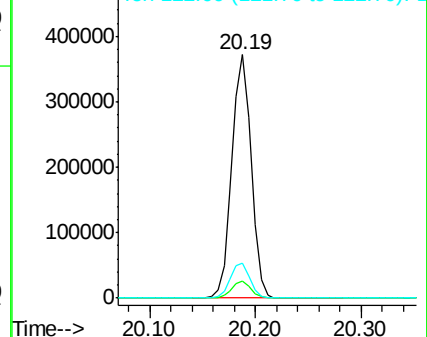
122 14.5 11.4 17.2

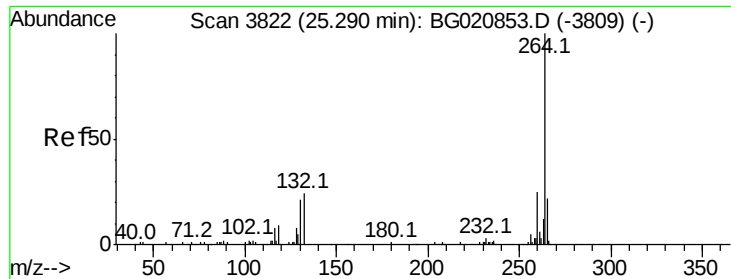


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

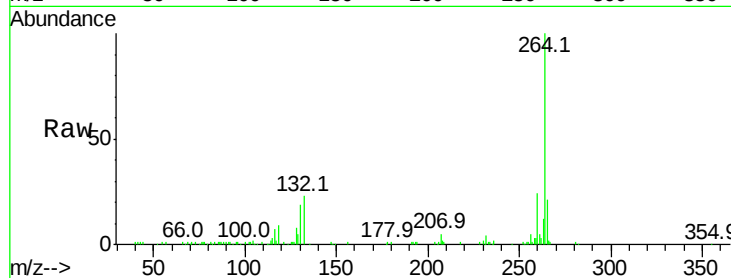




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 25.26 min Scan# 3816  
 Delta R.T. -0.03 min  
 Lab File: BG020977.D  
 Acq: 19 Feb 2016 18:17

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HW-31

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.3  | 19.9  | 29.9  |
| 265     | 21.1  | 18.0  | 27.0  |



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

