

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\  
 Data File : BG020983.D  
 Acq On : 19 Feb 2016 22:13  
 Operator : SJ/UM  
 Sample : PB88453BL  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB88453BL

Quant Time: Feb 20 01:31:37 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  | 17680    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.08 | 136  | 93535    | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.87 | 164  | 61791    | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.61 | 188  | 132933   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 21.89 | 240  | 123215   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12            | 25.25 | 264  | 115210   | 20.00 | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.80  | 112  | 99500    | 94.77 | ng    | 0.00     |
| 7) Phenol-d6                | 7.40  | 99   | 145116   | 94.57 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.43  | 82   | 116245   | 81.71 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.35 | 330  | 58672    | 96.56 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.50 | 172  | 352500   | 80.13 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.19 | 244  | 480897   | 91.05 | ng    | -0.02    |

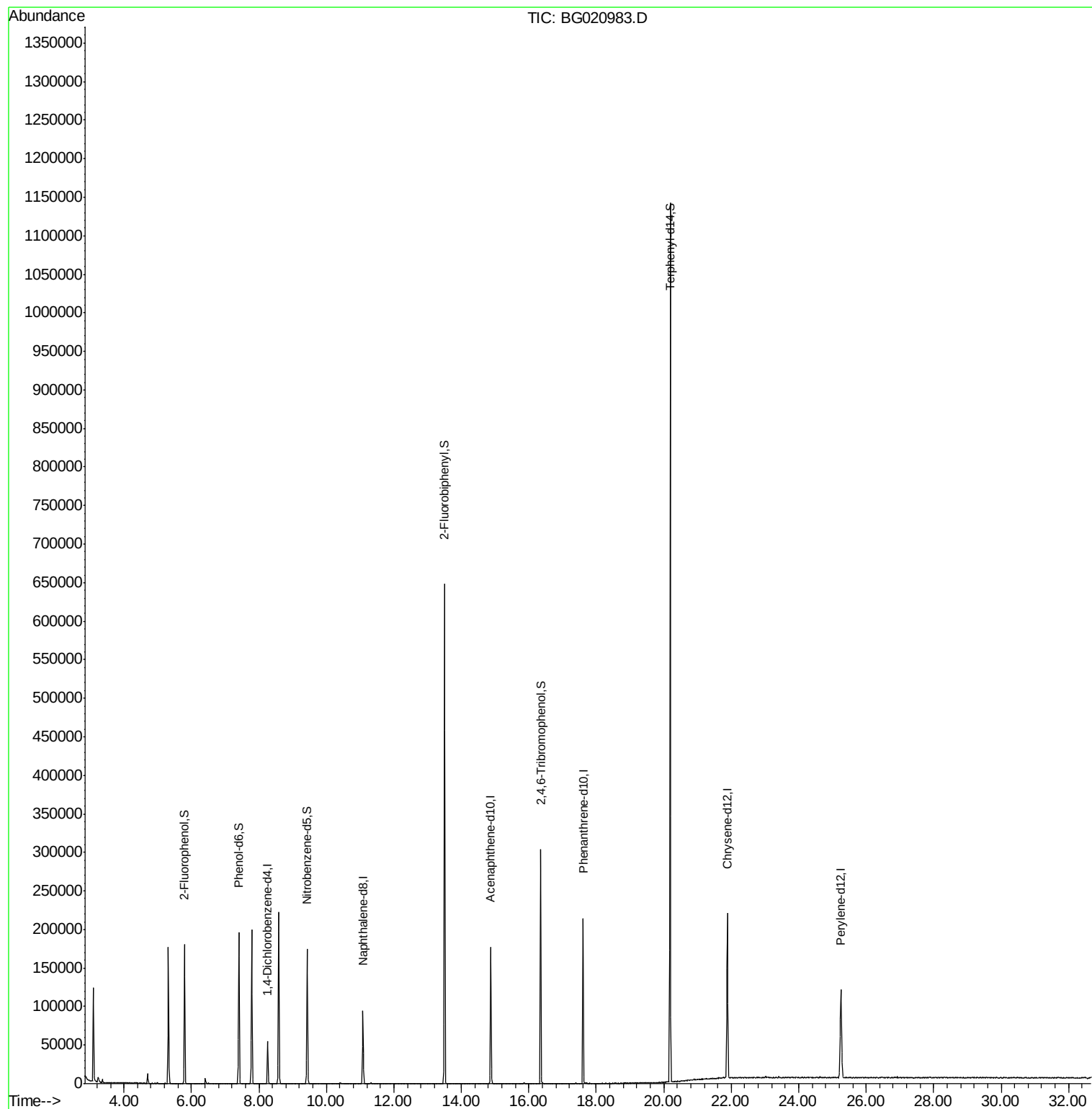
Target Compounds Qvalue

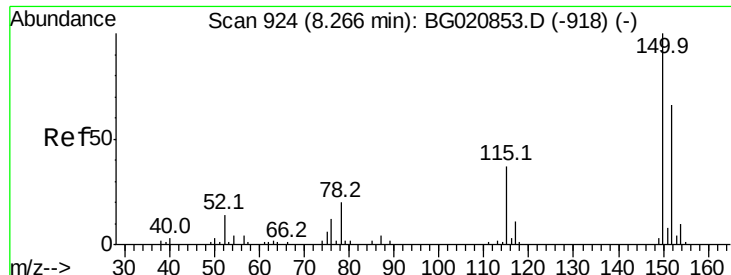
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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



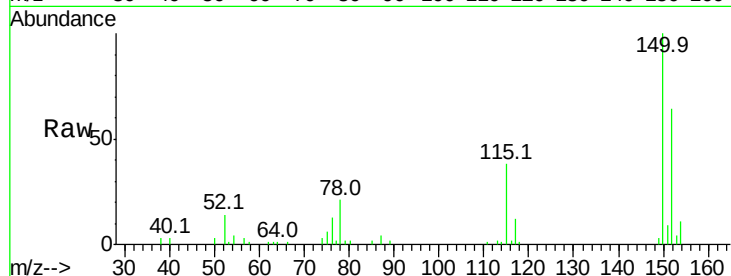


#1

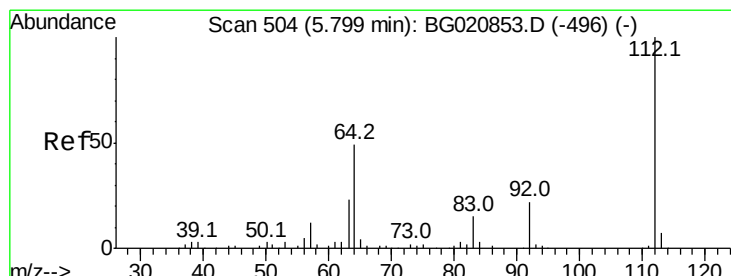
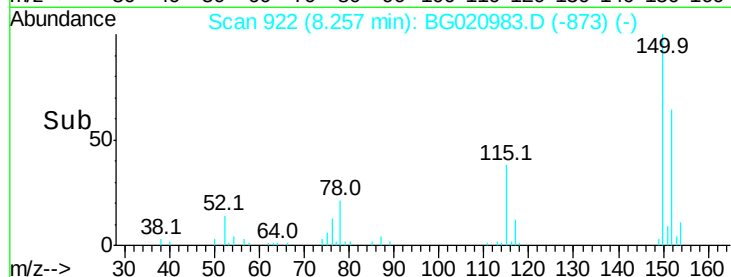
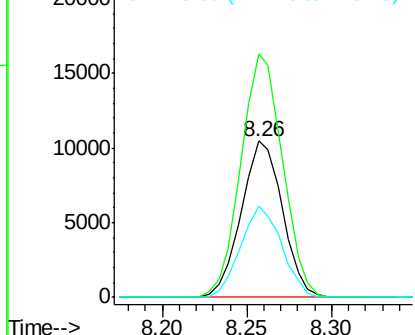
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.26 min Scan# 922  
Delta R.T. -0.01 min  
Lab File: BG020983.D  
Acq: 19 Feb 2016 22:13

Instrument :  
BNA\_G  
ClientSampleId :  
PB88453BL

Tot Ion:152 Resp: 17680  
Ion Ratio Lower Upper  
152 100  
150 156.1 122.0 183.0  
115 58.7 45.2 67.8



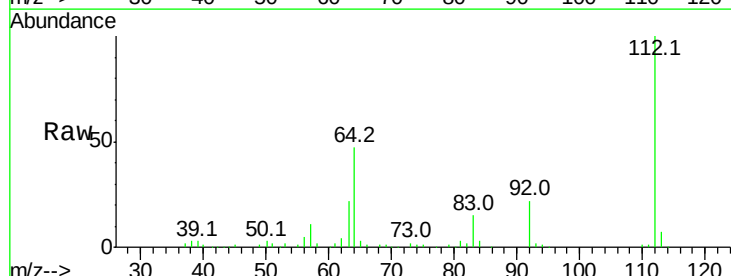
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



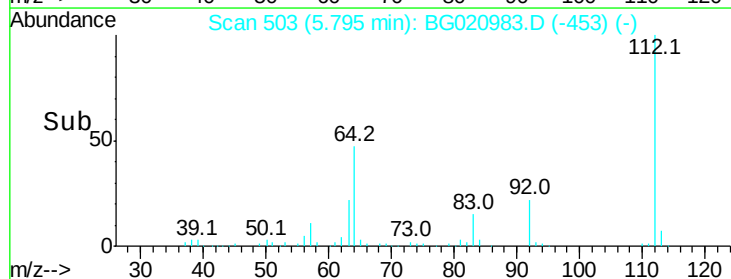
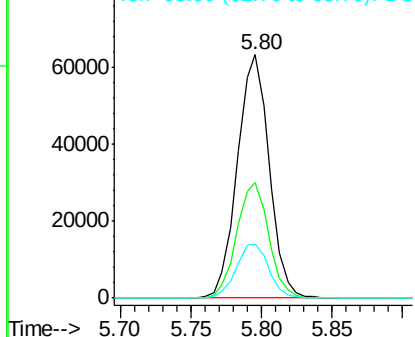
#5

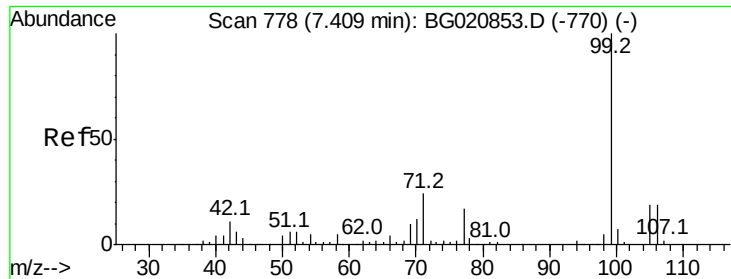
2-Fluorophenol  
Concen: 94.77 ng  
RT: 5.80 min Scan# 503  
Delta R.T. -0.00 min  
Lab File: BG020983.D  
Acq: 19 Feb 2016 22:13

Tgt Ion:112 Resp: 99500  
Ion Ratio Lower Upper  
112 100  
64 47.4 39.3 58.9  
63 22.3 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: 94.57 ng

RT: 7.40 min Scan# 777

Delta R.T. -0.00 min

Lab File: BG020983.D

Acq: 19 Feb 2016 22:13

Instrument :

BNA\_G

ClientSampleId :

PB88453BL

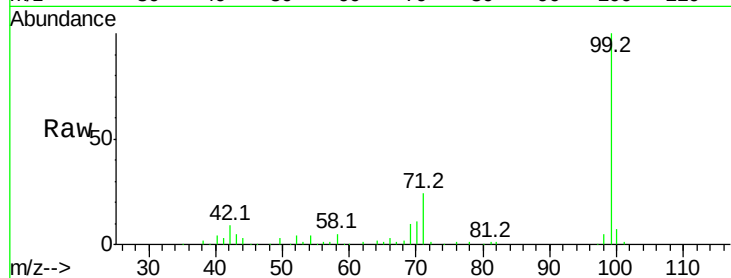
Tot Ion: 99 Resp: 145116

Ion Ratio Lower Upper

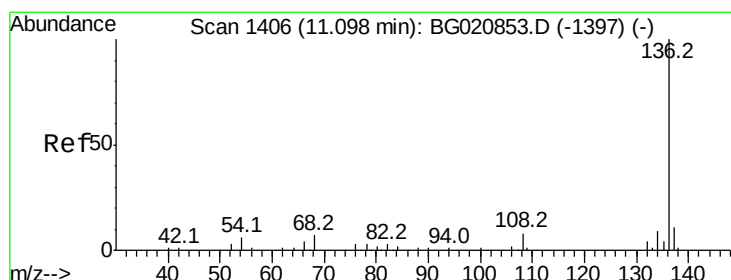
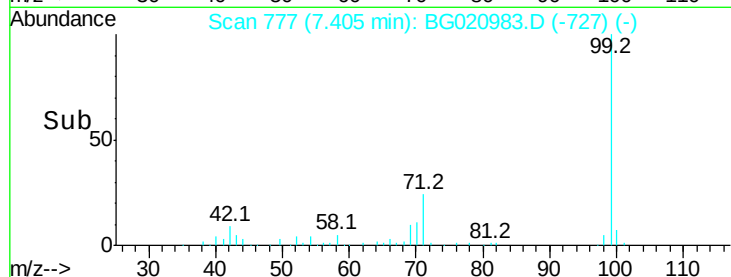
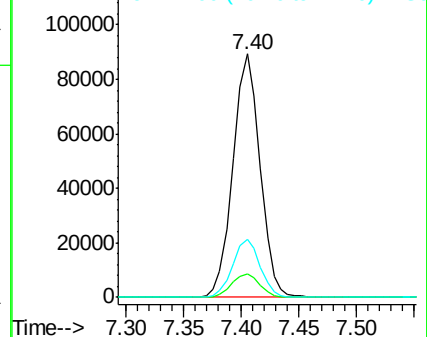
99 100

42 9.5 8.4 12.6

71 23.8 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: BG020983.D

Acq: 19 Feb 2016 22:13

Tgt Ion: 136 Resp: 93535

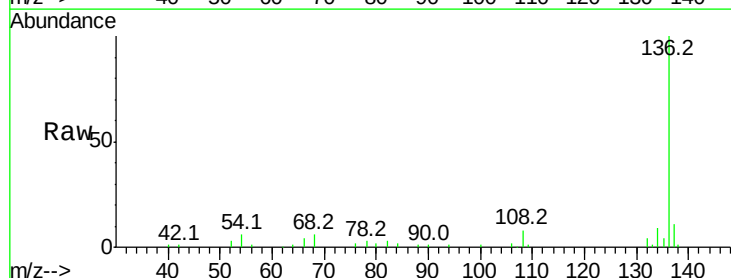
Ion Ratio Lower Upper

136 100

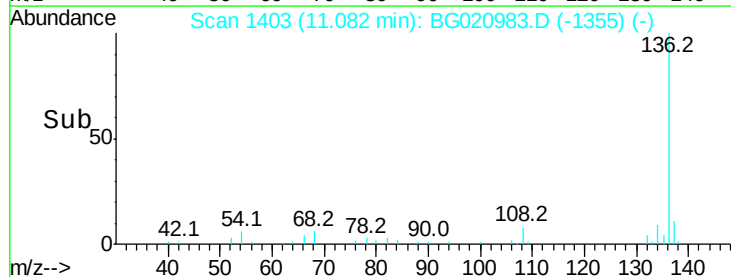
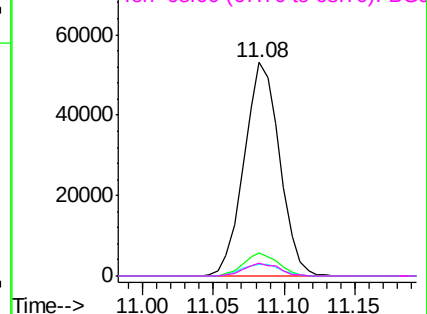
137 10.5 8.8 13.2

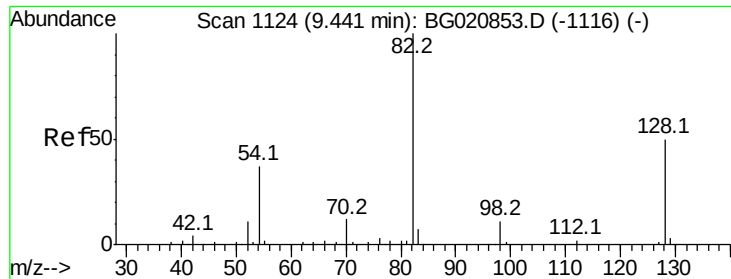
54 5.7 5.0 7.4

68 6.2 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

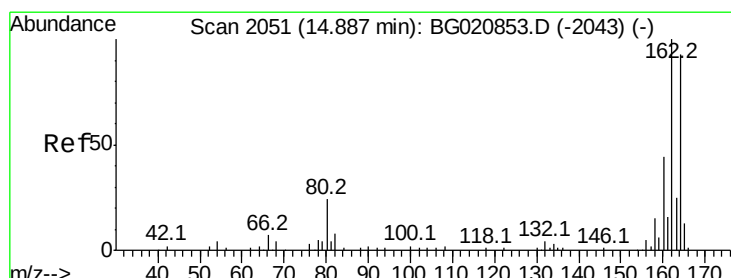
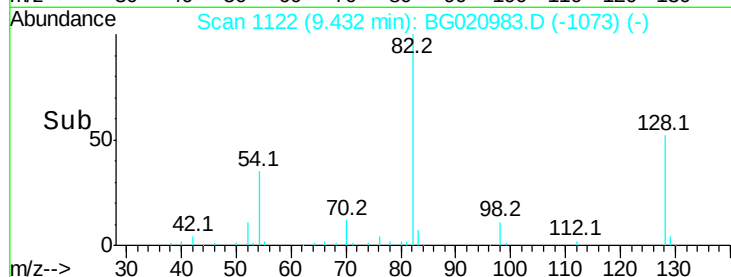
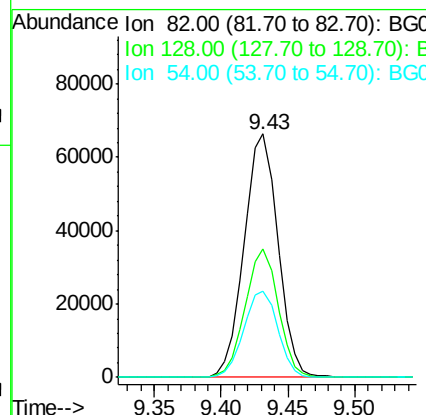
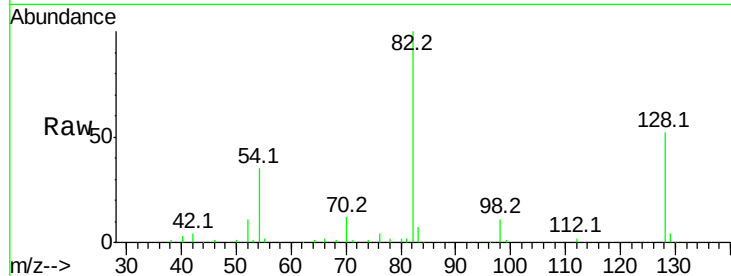




#23  
Nitrobenzene-d5  
Concen: 81.71 ng  
RT: 9.43 min Scan# 1122  
Delta R.T. -0.01 min  
Lab File: BG020983.D  
Acq: 19 Feb 2016 22:13

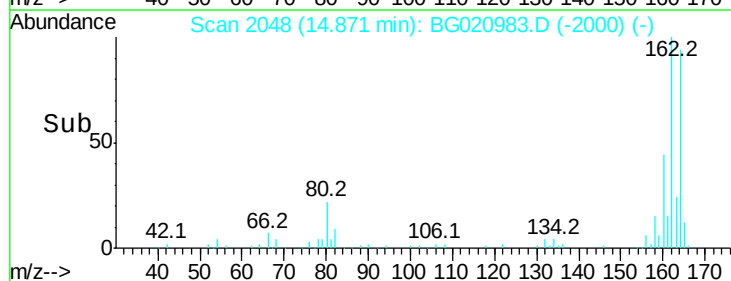
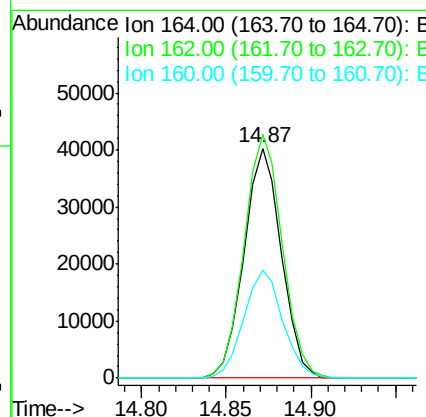
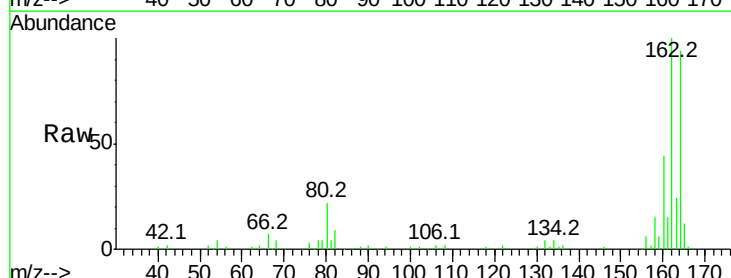
Instrument :  
BNA\_G  
ClientSampleId :  
PB88453BL

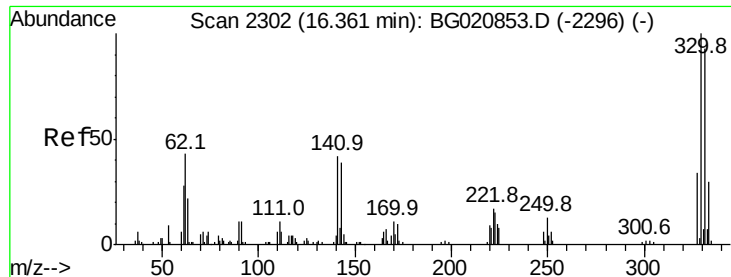
| Tot Ion   | 82   | Resp  | 116245 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 52.5 | 40.1  | 60.1   |
| 54        | 35.4 | 29.5  | 44.3   |



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.87 min Scan# 2048  
Delta R.T. -0.02 min  
Lab File: BG020983.D  
Acq: 19 Feb 2016 22:13

| Tgt Ion   | 164   | Resp  | 61791 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 162       | 106.1 | 85.7  | 128.5 |
| 160       | 46.8  | 37.4  | 56.0  |

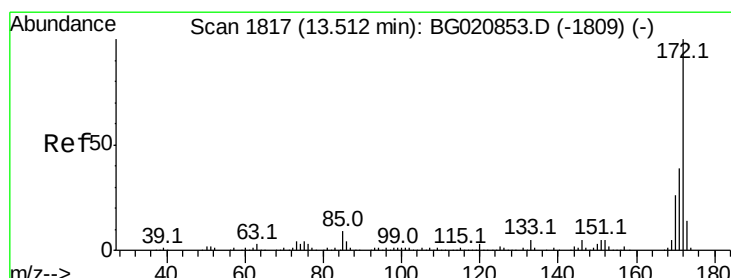
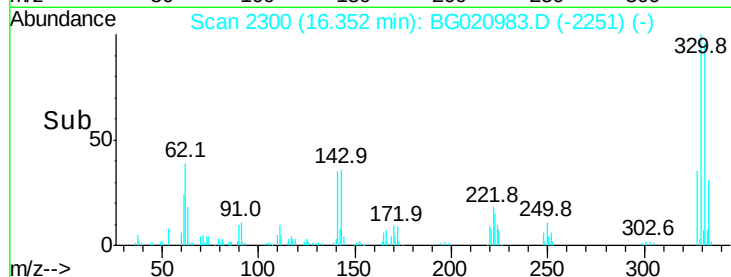
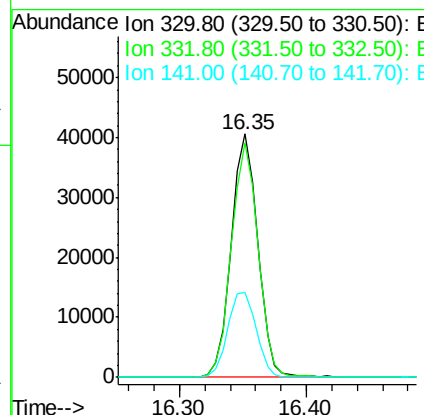
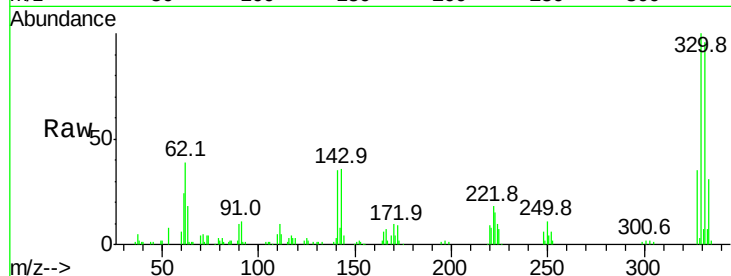




#41  
 2,4,6-Tribromophenol  
 Concen: 96.56 ng  
 RT: 16.35 min Scan# 2300  
 Delta R.T. -0.01 min  
 Lab File: BG020983.D  
 Acq: 19 Feb 2016 22:13

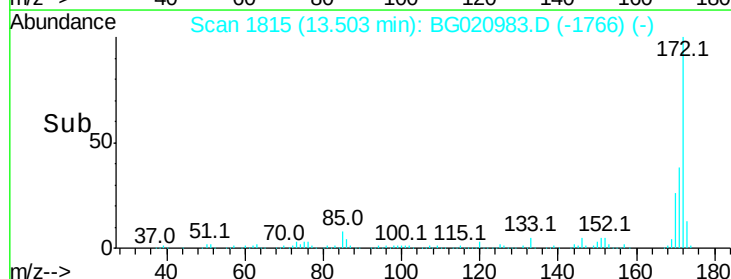
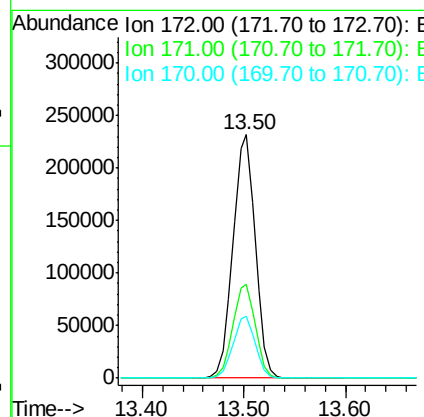
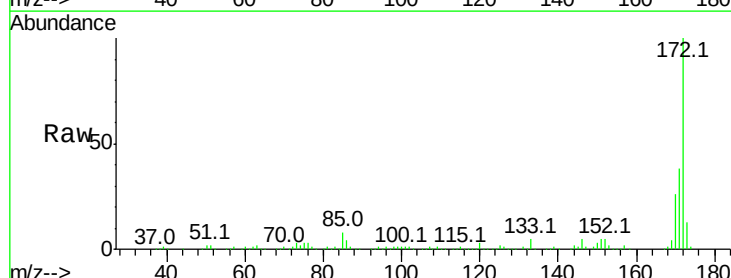
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB88453BL

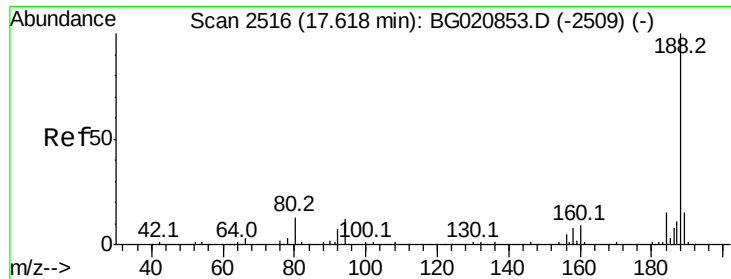
Tot Ion:330 Resp: 58672  
 Ion Ratio Lower Upper  
 330 100  
 332 96.8 76.1 114.1  
 141 37.5 32.0 48.0



#44  
 2-Fluorobiphenyl  
 Concen: 80.13 ng  
 RT: 13.50 min Scan# 1815  
 Delta R.T. -0.01 min  
 Lab File: BG020983.D  
 Acq: 19 Feb 2016 22:13

Tgt Ion:172 Resp: 352500  
 Ion Ratio Lower Upper  
 172 100  
 171 38.5 31.2 46.8  
 170 25.6 20.6 30.8

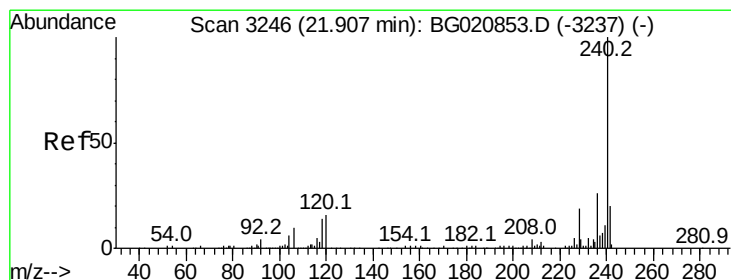
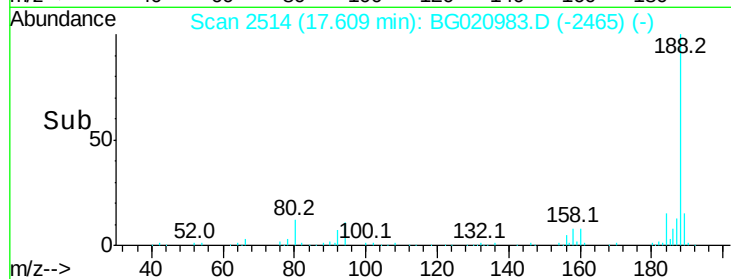
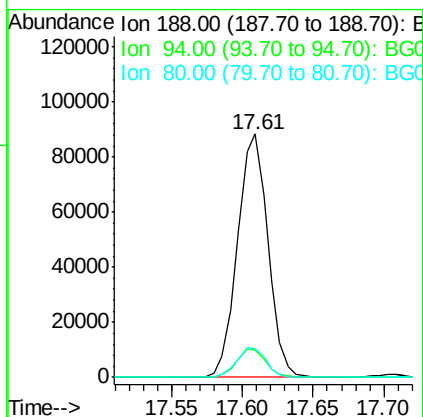
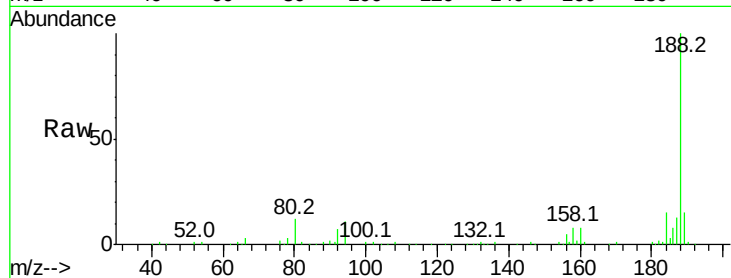




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.61 min Scan# 2514  
Delta R.T. -0.01 min  
Lab File: BG020983.D  
Acq: 19 Feb 2016 22:13

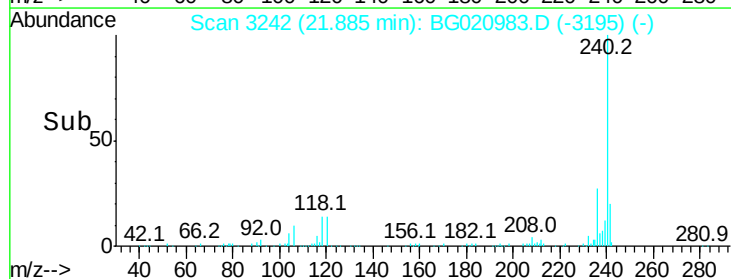
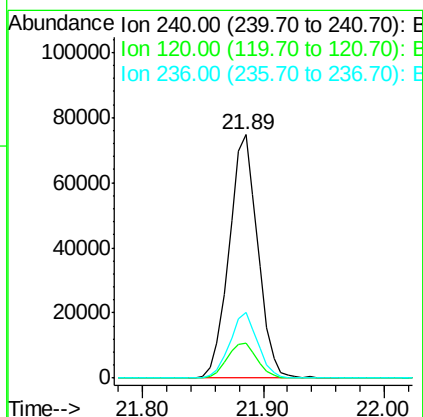
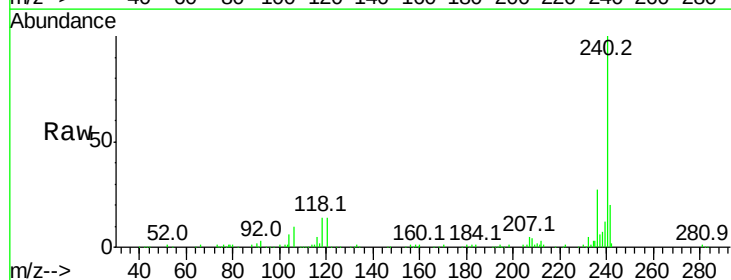
Instrument :  
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ClientSampleId :  
PB88453BL

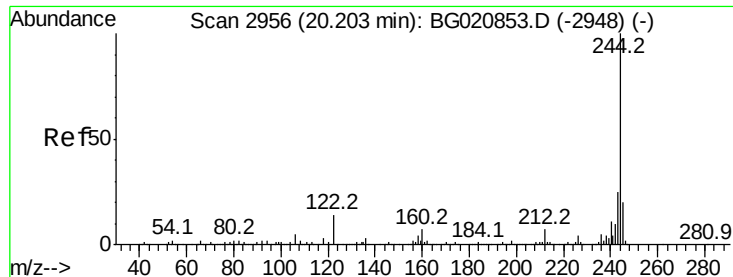
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 11.0  | 9.4   | 14.0  |
| 80      | 11.7  | 10.2  | 15.4  |



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.89 min Scan# 3242  
Delta R.T. -0.02 min  
Lab File: BG020983.D  
Acq: 19 Feb 2016 22:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 14.4  | 13.0  | 19.4  |
| 236     | 26.7  | 21.0  | 31.4  |





#78

Terphenyl-d14

Concen: 91.05 ng

RT: 20.19 min Scan# 2953

Delta R.T. -0.02 min

Lab File: BG020983.D

Acq: 19 Feb 2016 22:13

Instrument :

BNA\_G

ClientSampleId :

PB88453BL

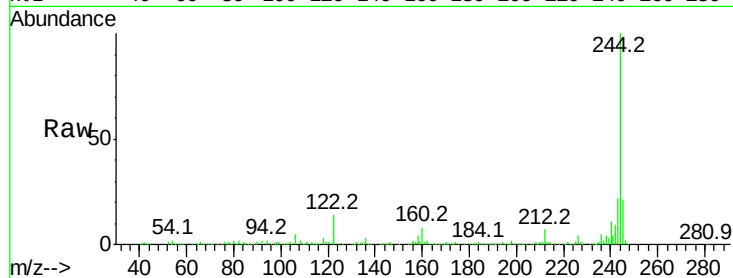
Tot Ion:244 Resp: 480897

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 14.0 11.4 17.2

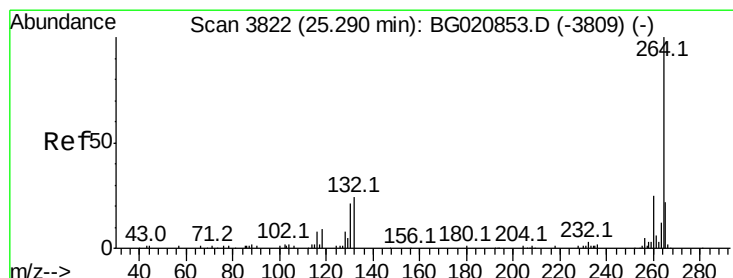
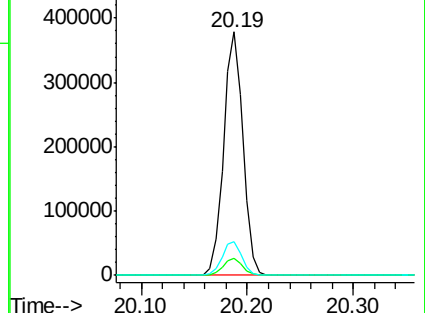
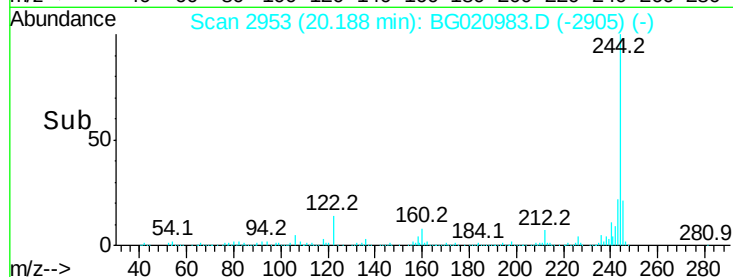


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.25 min Scan# 3815

Delta R.T. -0.04 min

Lab File: BG020983.D

Acq: 19 Feb 2016 22:13

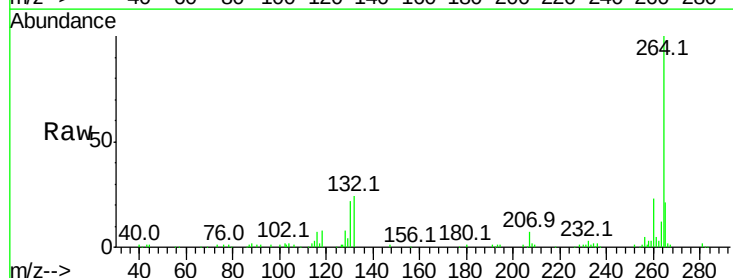
Tgt Ion:264 Resp: 115210

Ion Ratio Lower Upper

264 100

260 23.3 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

Time-->

