

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG021916\  
 Data File : BG021011.D  
 Acq On : 20 Feb 2016 16:33  
 Operator : SJ/UM  
 Sample : H1453-18 40X  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EGR-B-5

Quant Time: Feb 21 22:54:22 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  | 25396    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.09 | 136  | 129046   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.87 | 164  | 75746    | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.61 | 188  | 145140   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 21.89 | 240  | 130364   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12            | 25.26 | 264  | 123710   | 20.00 | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.80  | 112  | 3703     | 2.46  | ng    | 0.00     |
| 7) Phenol-d6                | 7.40  | 99   | 5581     | 2.53  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.43  | 82   | 3204     | 1.63  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.35 | 330  | 1704     | 2.29  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.50 | 172  | 9574     | 1.78  | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.19 | 244  | 9387     | 1.68  | ng    | -0.02    |

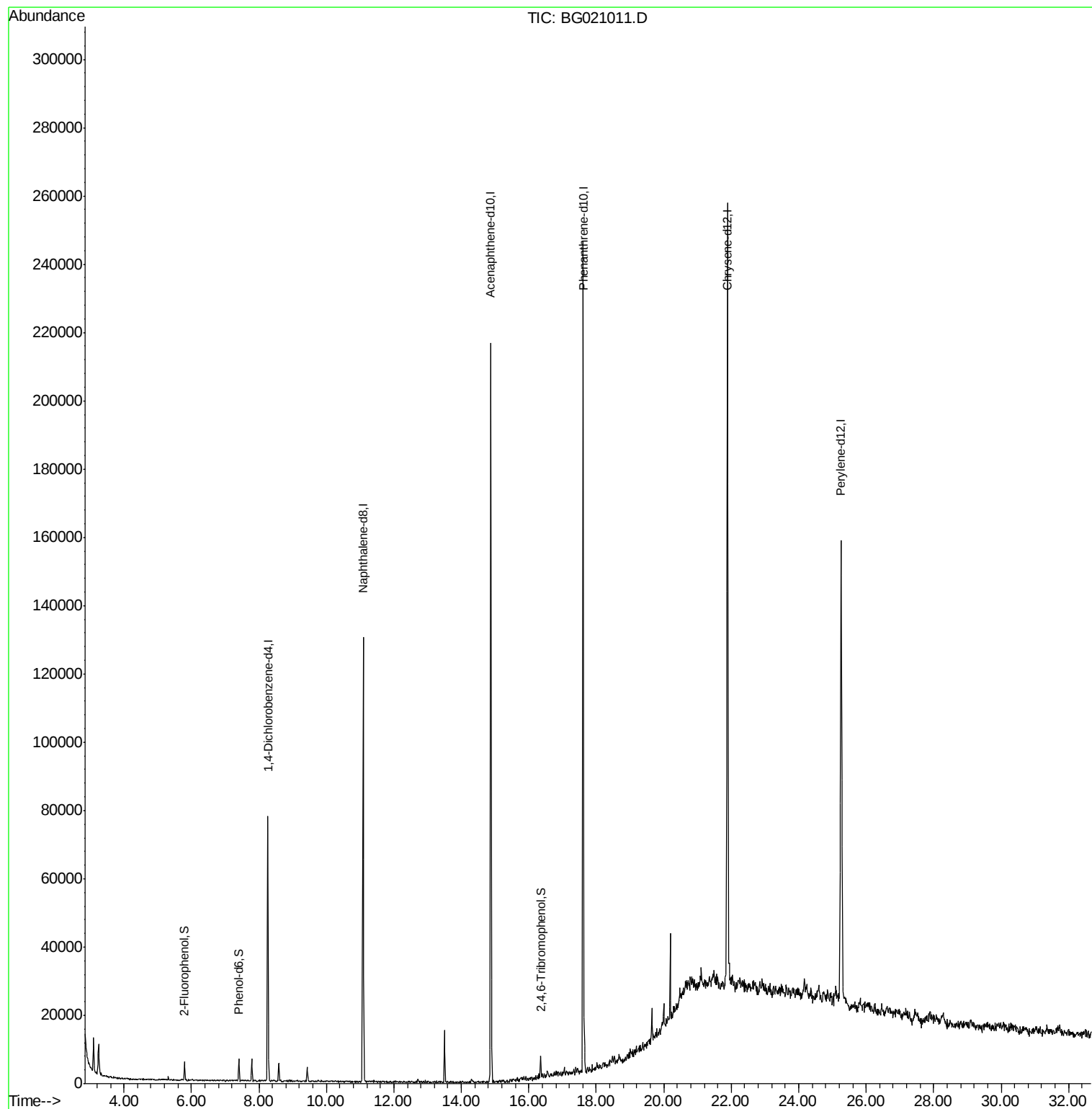
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

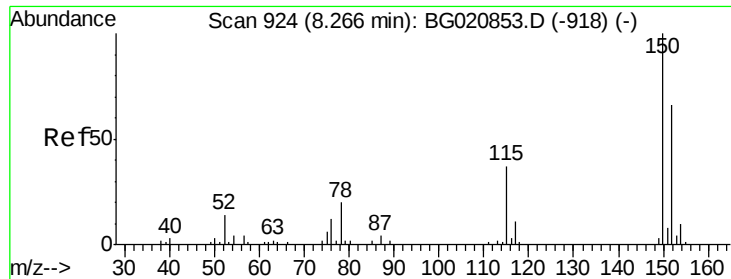
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 38 Sample Multiplier: 1

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ClientSampleId :  
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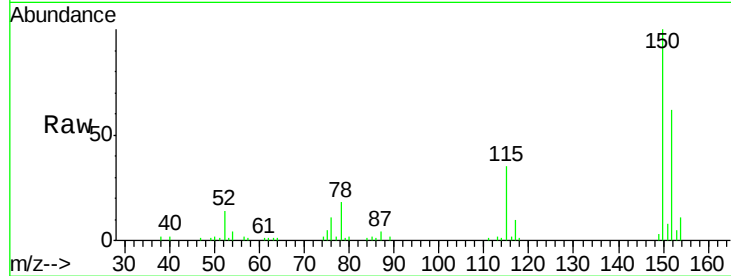


#1

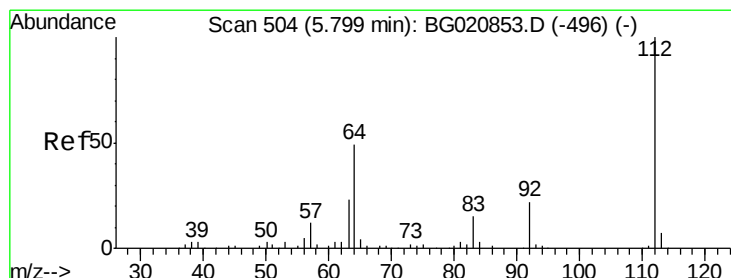
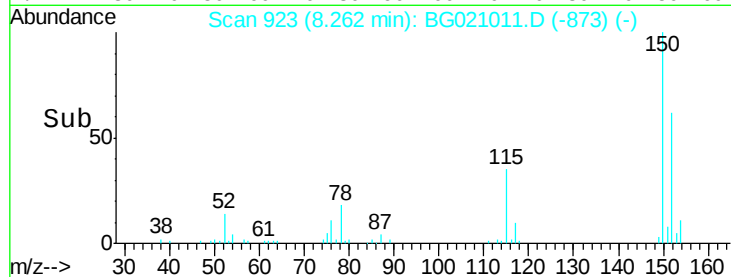
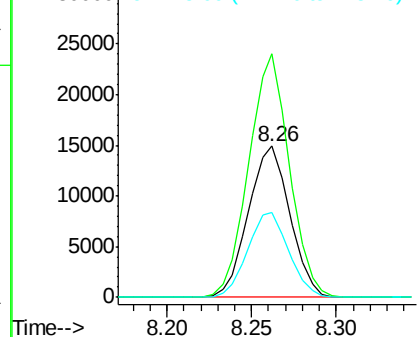
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.26 min Scan# 923  
Delta R.T. -0.00 min  
Lab File: BG021011.D  
Acq: 20 Feb 2016 16:33

Instrument :  
BNA\_G  
ClientSampleId :  
EGR-B-5

Tgt Ion:152 Resp: 25396  
Ion Ratio Lower Upper  
152 100  
150 161.3 122.0 183.0  
115 56.4 45.2 67.8



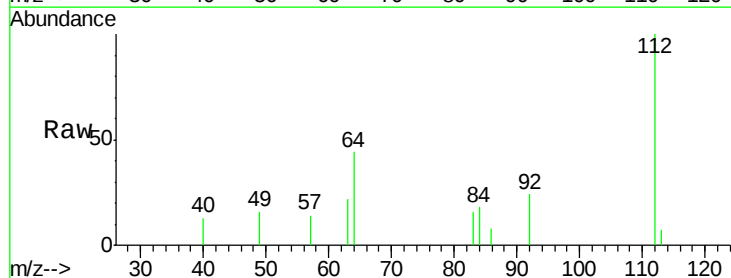
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



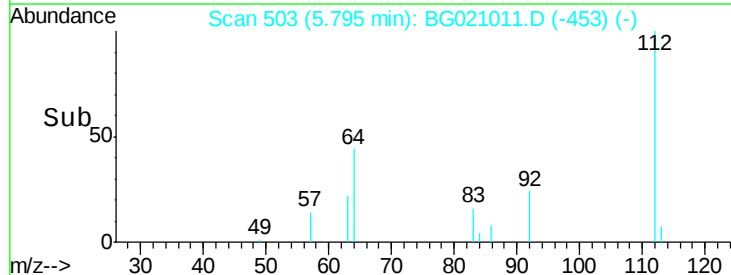
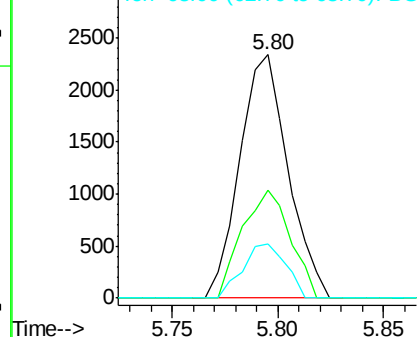
#5

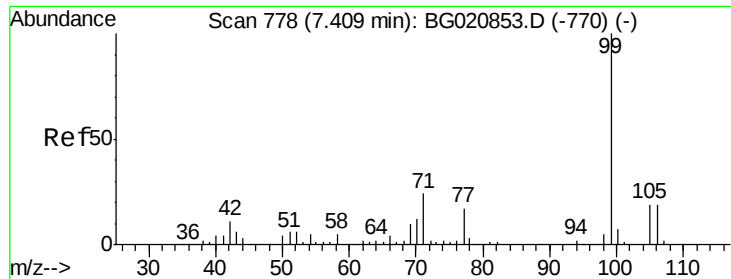
2-Fluorophenol  
Concen: 2.46 ng  
RT: 5.80 min Scan# 503  
Delta R.T. -0.00 min  
Lab File: BG021011.D  
Acq: 20 Feb 2016 16:33

Tgt Ion:112 Resp: 3703  
Ion Ratio Lower Upper  
112 100  
64 44.5 39.3 58.9  
63 22.1 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: 2.53 ng

RT: 7.40 min Scan# 777

Delta R.T. -0.00 min

Lab File: BG021011.D

Acq: 20 Feb 2016 16:33

Instrument :

BNA\_G

ClientSampleId :

EGR-B-5

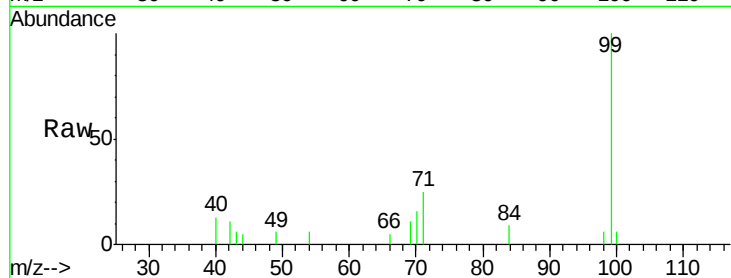
Tgt Ion: 99 Resp: 5581

Ion Ratio Lower Upper

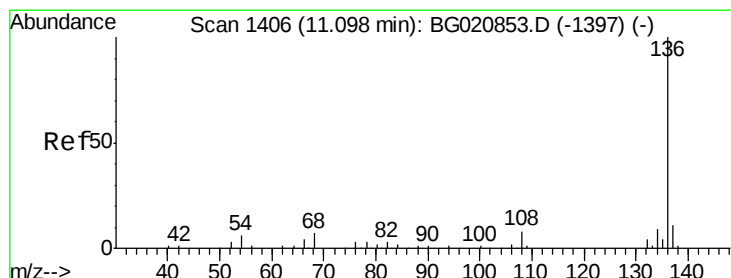
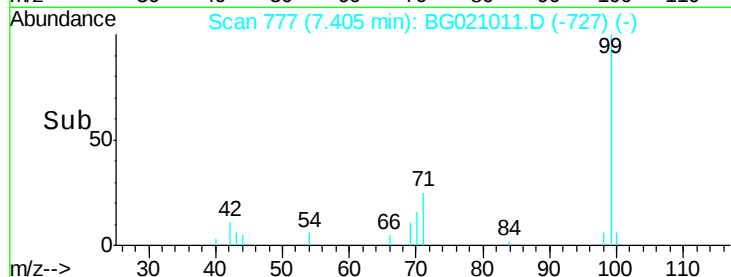
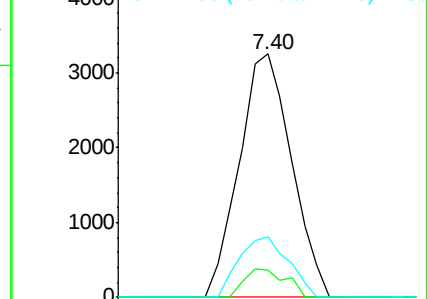
99 100

42 11.3 8.4 12.6

71 24.9 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: 11.09 min Scan# 1404

Delta R.T. -0.01 min

Lab File: BG021011.D

Acq: 20 Feb 2016 16:33

Tgt Ion: 136 Resp: 129046

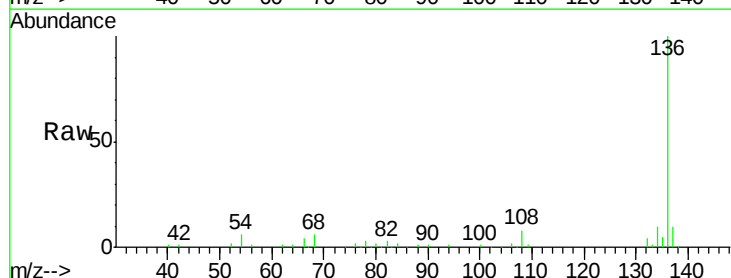
Ion Ratio Lower Upper

136 100

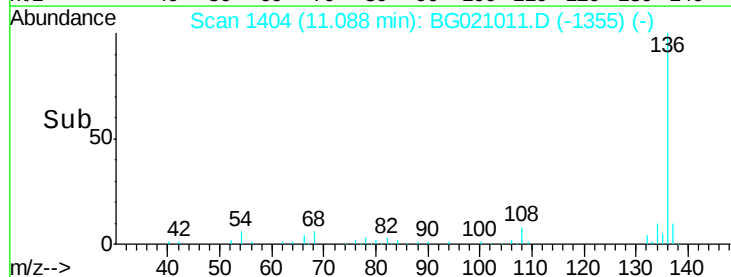
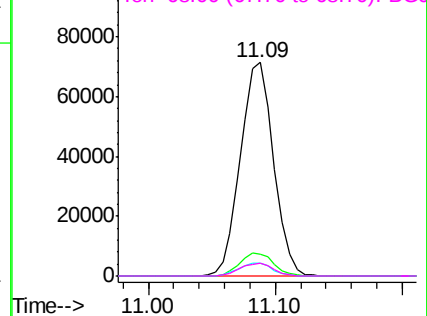
137 10.4 8.8 13.2

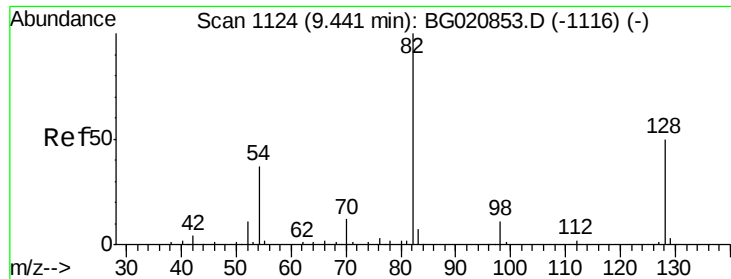
54 6.0 5.0 7.4

68 6.0 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

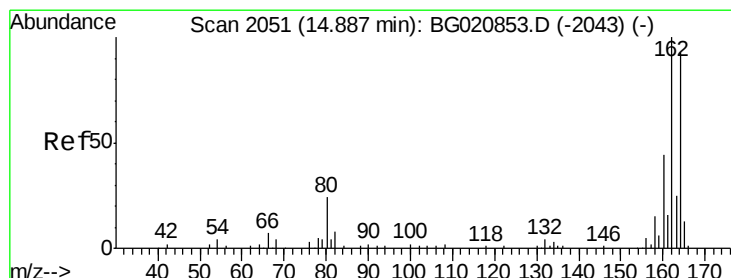
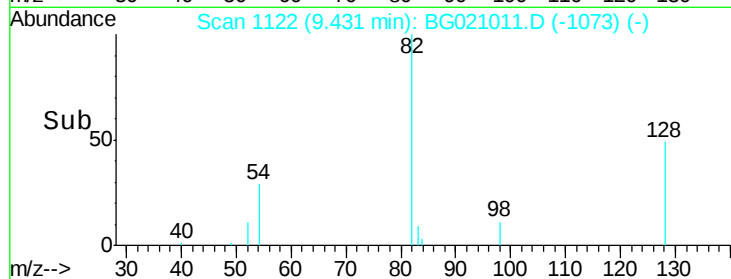
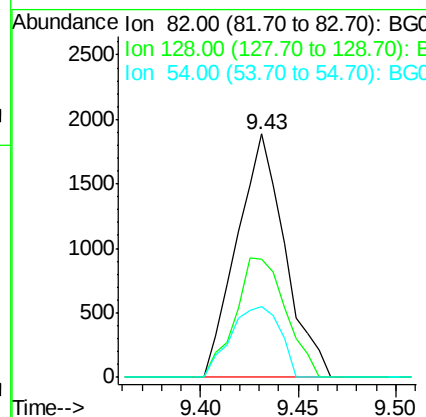
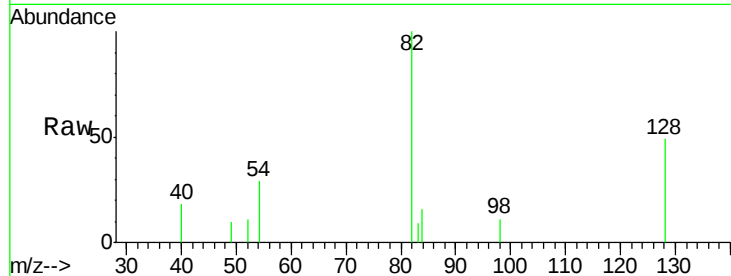




#23  
 Nitrobenzene-d5  
 Concen: 1.63 ng  
 RT: 9.43 min Scan# 1122  
 Delta R.T. -0.01 min  
 Lab File: BG021011.D  
 Acq: 20 Feb 2016 16:33

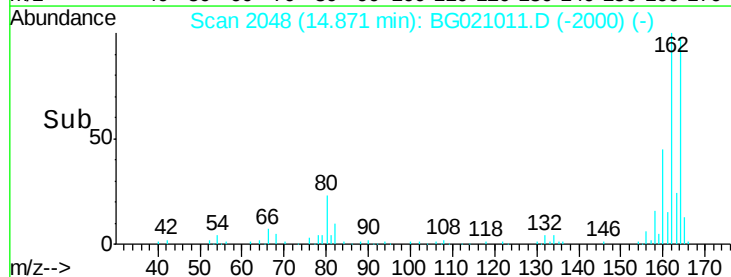
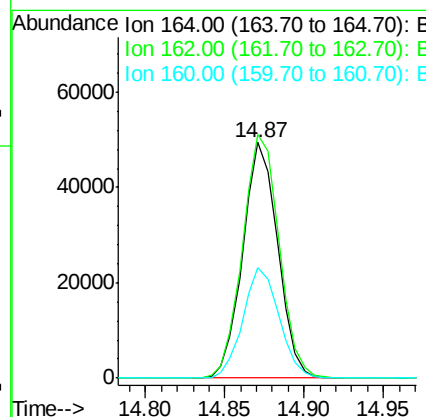
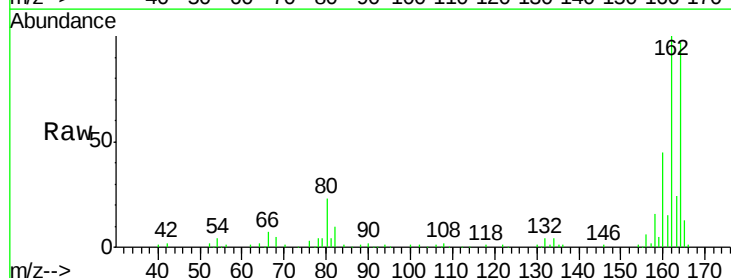
Instrument :  
 BNA\_G  
 ClientSampleId :  
 EGR-B-5

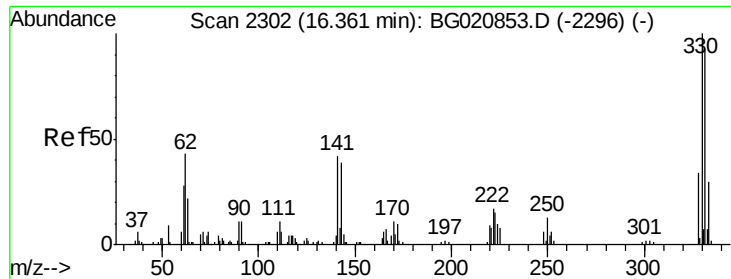
Tgt Ion: 82 Resp: 3204  
 Ion Ratio Lower Upper  
 82 100  
 128 48.5 40.1 60.1  
 54 28.9 29.5 44.3#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.87 min Scan# 2048  
 Delta R.T. -0.02 min  
 Lab File: BG021011.D  
 Acq: 20 Feb 2016 16:33

Tgt Ion: 164 Resp: 75746  
 Ion Ratio Lower Upper  
 164 100  
 162 103.2 85.7 128.5  
 160 46.9 37.4 56.0

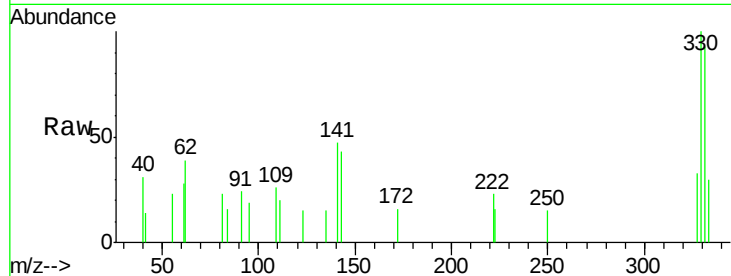




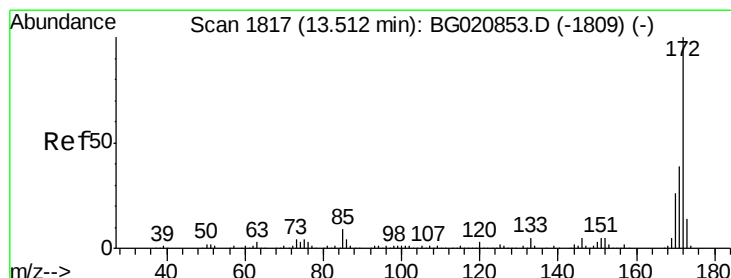
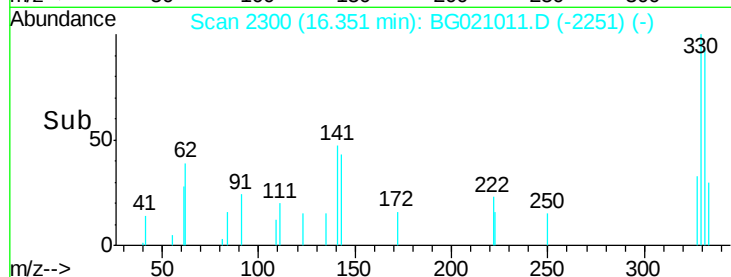
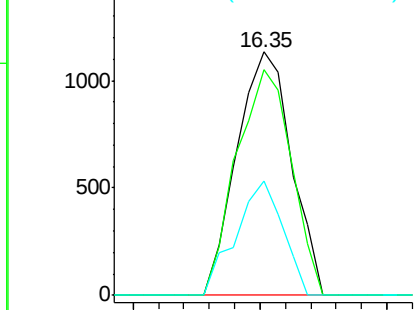
#41  
 2,4,6-Tribromophenol  
 Concen: 2.29 ng  
 RT: 16.35 min Scan# 2300  
 Delta R.T. -0.01 min  
 Lab File: BG021011.D  
 Acq: 20 Feb 2016 16:33

Instrument :  
 BNA\_G  
 ClientSampled :  
 EGR-B-5

Tgt Ion: 330 Resp: 1704  
 Ion Ratio Lower Upper  
 330 100  
 332 93.2 76.1 114.1  
 141 40.4 32.0 48.0

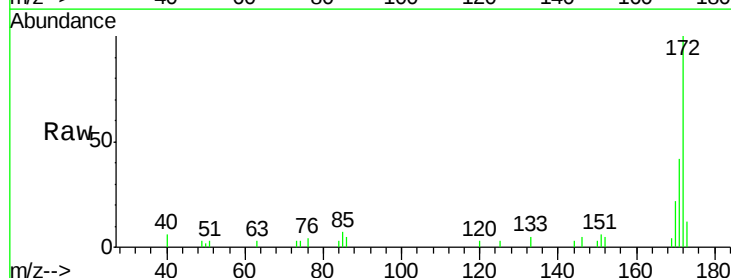


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

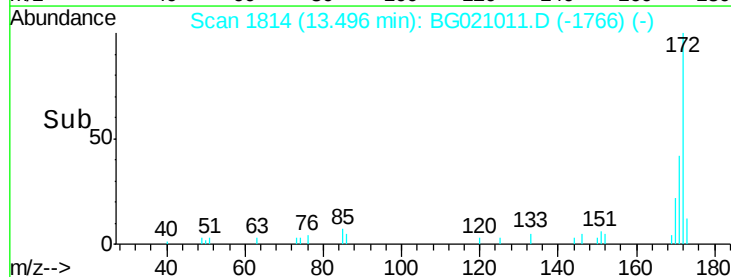
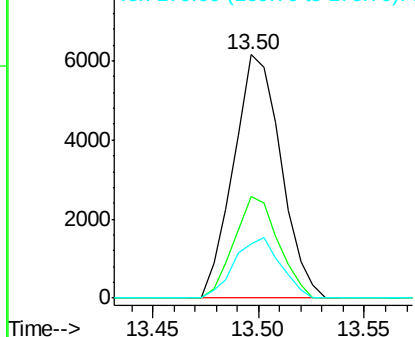


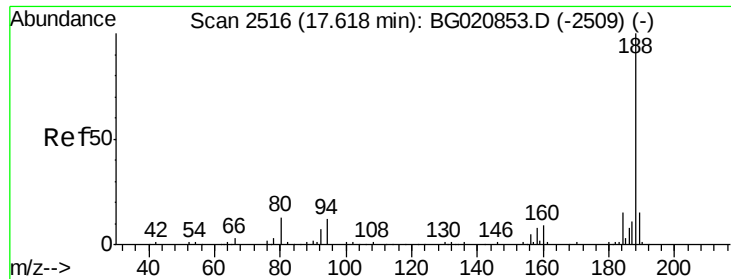
#44  
 2-Fluorobiphenyl  
 Concen: 1.78 ng  
 RT: 13.50 min Scan# 1814  
 Delta R.T. -0.02 min  
 Lab File: BG021011.D  
 Acq: 20 Feb 2016 16:33

Tgt Ion: 172 Resp: 9574  
 Ion Ratio Lower Upper  
 172 100  
 171 42.0 31.2 46.8  
 170 22.1 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

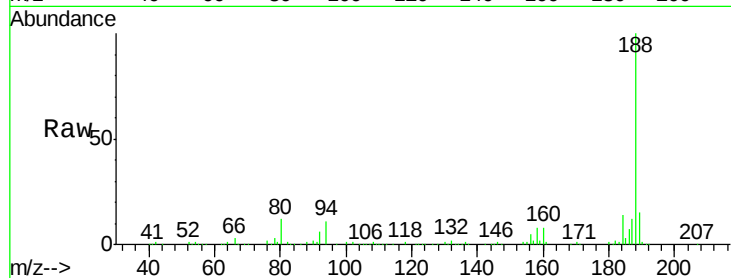




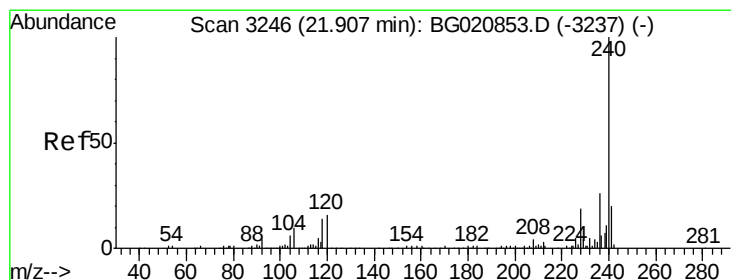
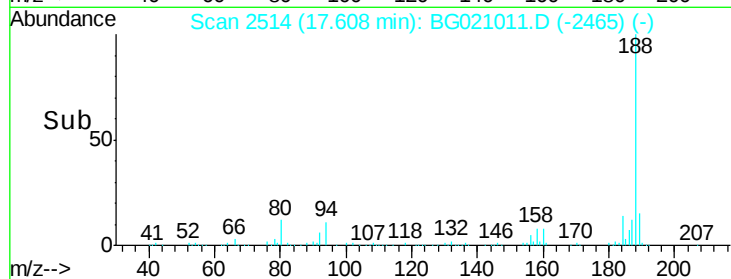
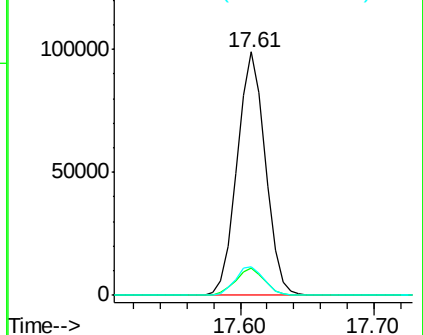
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.61 min Scan# 2514  
Delta R.T. -0.01 min  
Lab File: BG021011.D  
Acq: 20 Feb 2016 16:33

Instrument :  
BNA\_G  
ClientSampleId :  
EGR-B-5

Tgt Ion:188 Resp: 145140  
Ion Ratio Lower Upper  
188 100  
94 11.1 9.4 14.0  
80 11.7 10.2 15.4

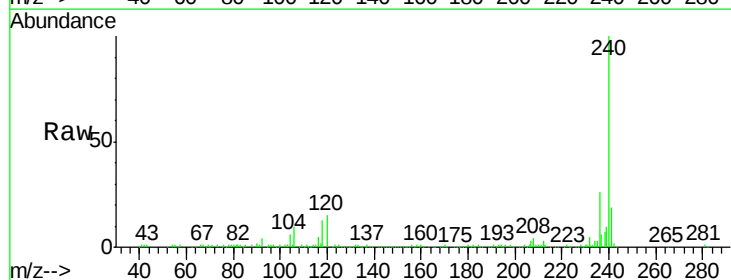


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

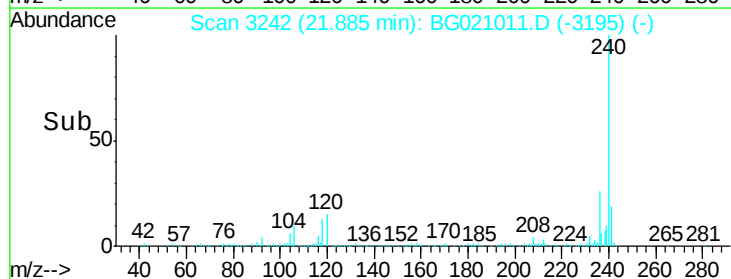
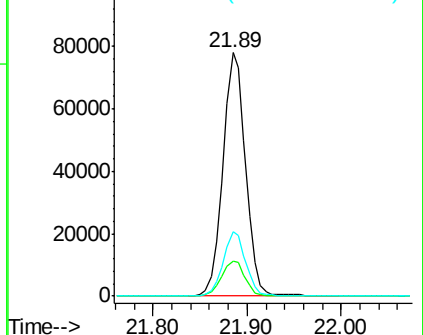


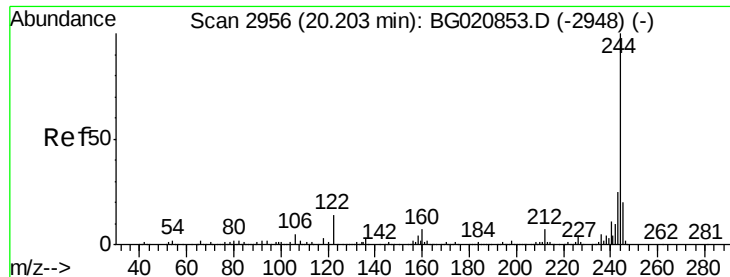
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.89 min Scan# 3242  
Delta R.T. -0.02 min  
Lab File: BG021011.D  
Acq: 20 Feb 2016 16:33

Tgt Ion:240 Resp: 130364  
Ion Ratio Lower Upper  
240 100  
120 14.5 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: 1.68 ng

RT: 20.19 min Scan# 2953

Delta R.T. -0.02 min

Lab File: BG021011.D

Acq: 20 Feb 2016 16:33

Instrument :

BNA\_G

ClientSampleId :

EGR-B-5

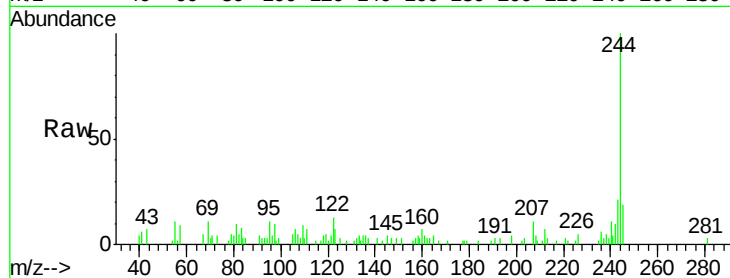
Tgt Ion:244 Resp: 9387

Ion Ratio Lower Upper

244 100

212 6.6 5.5 8.3

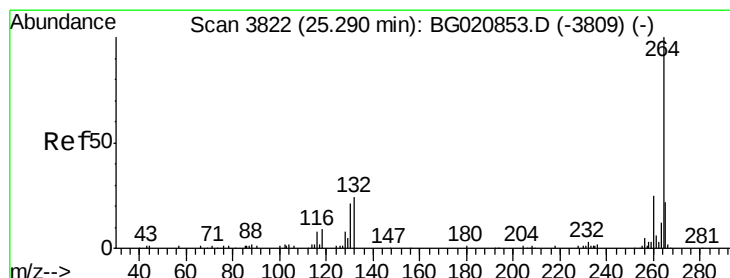
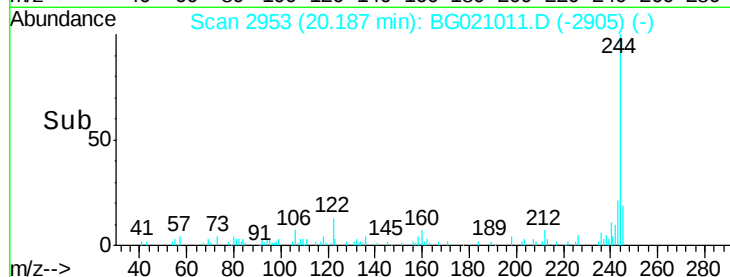
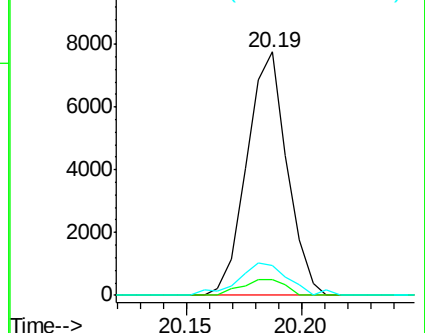
122 12.5 11.4 17.2



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

Perylene-d12

Concen: 20.00 ng

RT: 25.26 min Scan# 3816

Delta R.T. -0.03 min

Lab File: BG021011.D

Acq: 20 Feb 2016 16:33

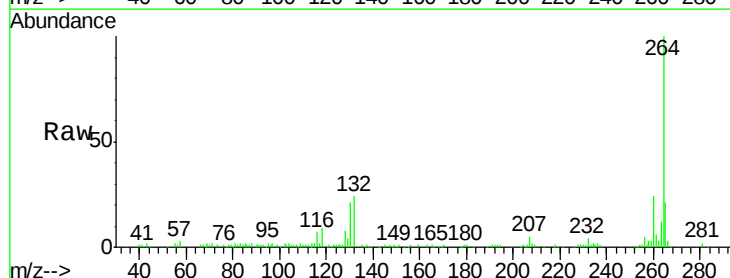
Tgt Ion:264 Resp: 123710

Ion Ratio Lower Upper

264 100

260 23.6 19.9 29.9

265 20.9 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

