

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121015\  
 Data File : BG020049.D  
 Acq On : 9 Dec 2015 18:38  
 Operator : UM/SJ  
 Sample : G4556-12  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 ELP-6

Quant Time: Dec 10 00:51:34 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 02 18:50:01 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.11  | 152  | 40638    | 20.00 | ng    | -0.03    |
| 21) Naphthalene-d8          | 10.93 | 136  | 172090   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.74 | 164  | 117790   | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10        | 17.48 | 188  | 279970   | 20.00 | ng    | -0.03    |
| 75) Chrysene-d12            | 21.75 | 240  | 350247   | 20.00 | ng    | -0.04    |
| 86) Perylene-d12            | 25.03 | 264  | 329071   | 20.00 | ng    | -0.06    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.66  | 112  | 150187   | 66.80 | ng    | -0.01    |
| 7) Phenol-d6                | 7.26  | 99   | 203297   | 59.88 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.28  | 82   | 164551   | 48.80 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.22 | 330  | 114297   | 63.42 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.37 | 172  | 397174   | 46.04 | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.08 | 244  | 469885   | 32.72 | ng    | -0.03    |

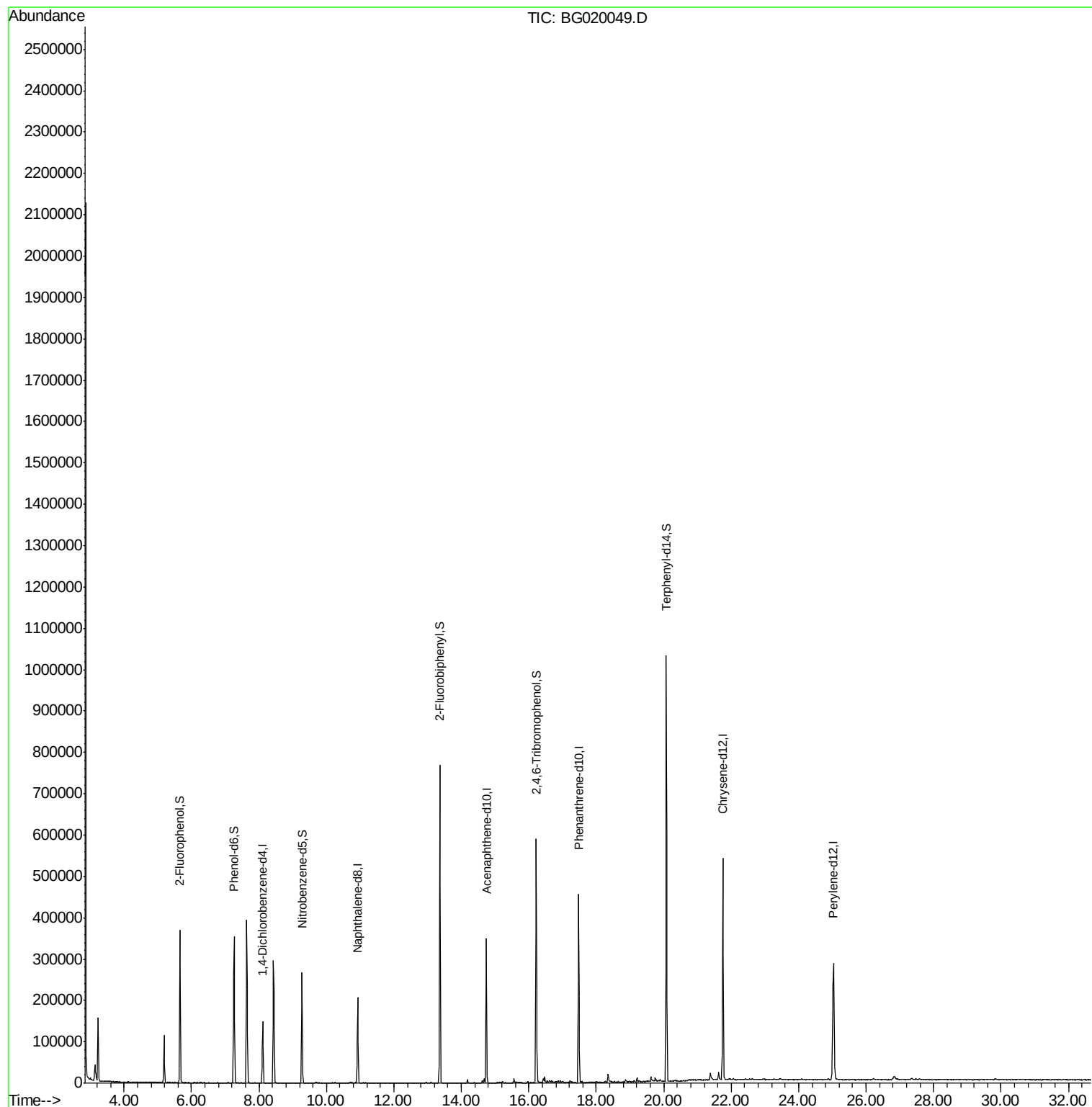
Target Compounds Qvalue

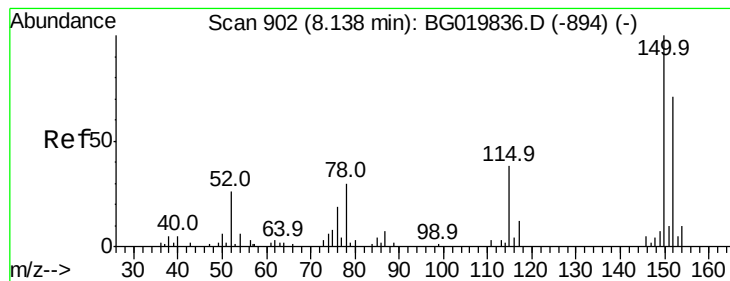
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 02 18:50:01 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.11 min Scan# 897

Delta R.T. -0.03 min

Lab File: BG020049.D

Acq: 9 Dec 2015 18:38

Instrument :

BNA\_G

ClientSampled :

ELP-6

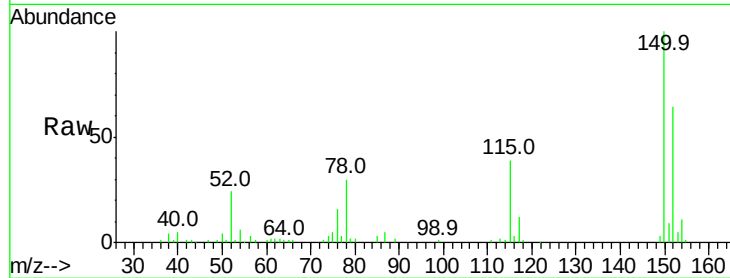
Tot Ion:152 Resp: 40638

Ion Ratio Lower Upper

152 100

150 157.1 115.0 172.4

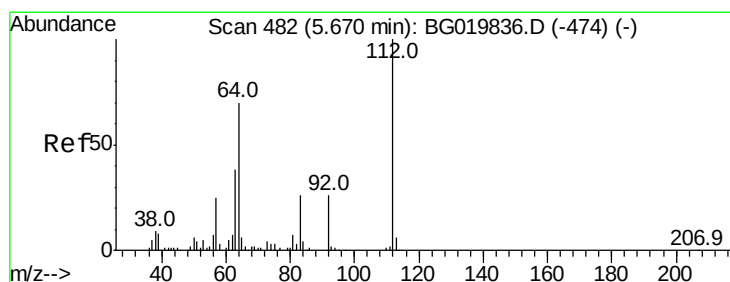
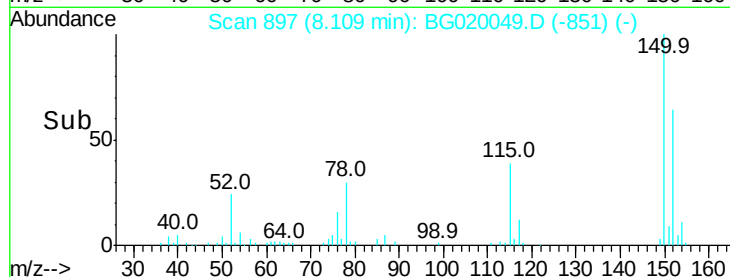
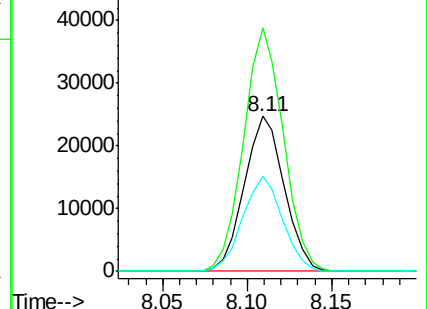
115 61.2 43.9 65.9



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: 66.80 ng

RT: 5.66 min Scan# 480

Delta R.T. -0.01 min

Lab File: BG020049.D

Acq: 9 Dec 2015 18:38

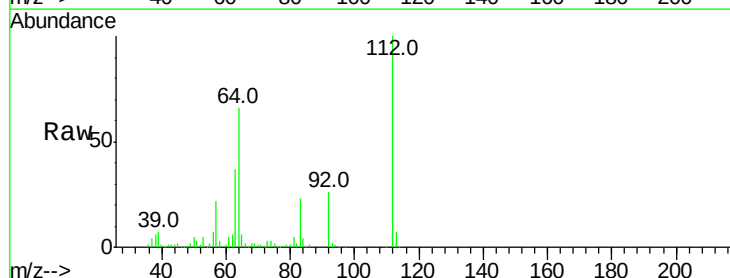
Tgt Ion:112 Resp: 150187

Ion Ratio Lower Upper

112 100

64 65.7 43.7 65.5#

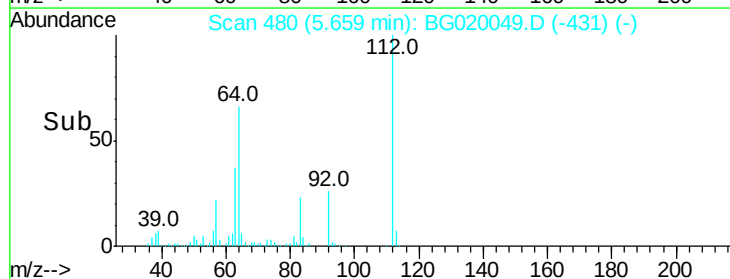
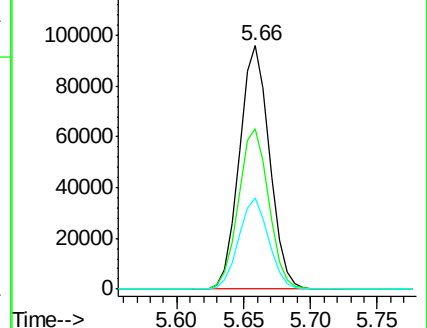
63 37.3 24.0 36.0#

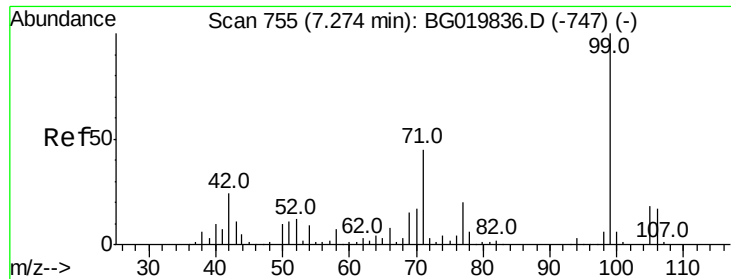


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 59.88 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.01 min

Lab File: BG020049.D

Acq: 9 Dec 2015 18:38

Instrument :

BNA\_G

ClientSampleId :

ELP-6

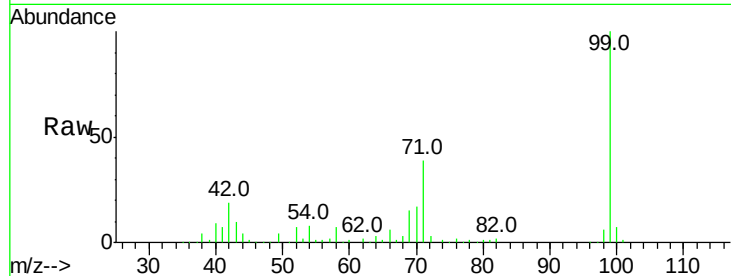
Tot Ion: 99 Resp: 203297

Ion Ratio Lower Upper

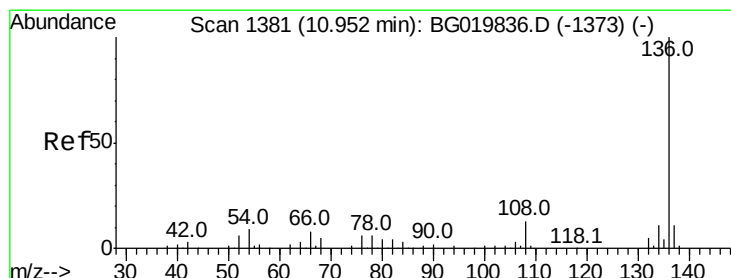
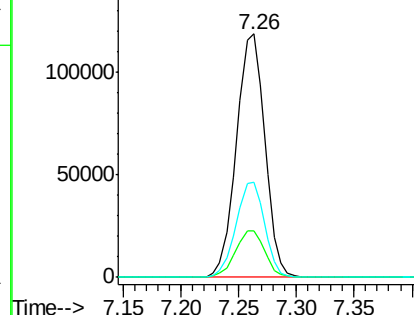
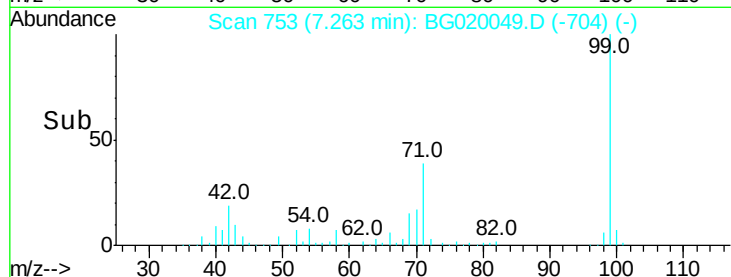
99 100

42 18.9 11.5 17.3#

71 38.9 22.6 34.0#



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: 10.93 min Scan# 1377

Delta R.T. -0.02 min

Lab File: BG020049.D

Acq: 9 Dec 2015 18:38

Tgt Ion: 136 Resp: 172090

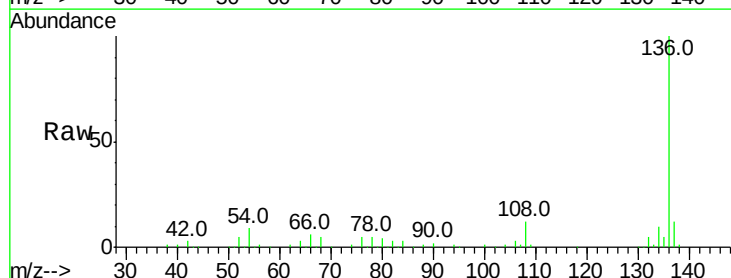
Ion Ratio Lower Upper

136 100

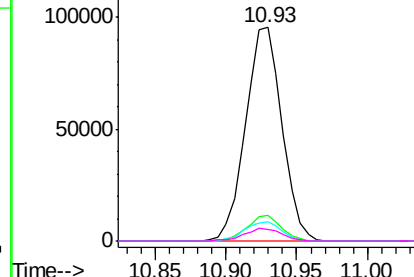
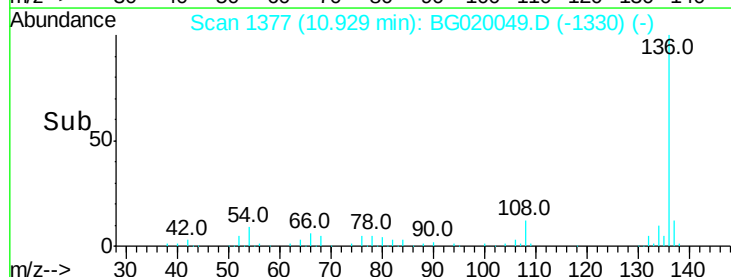
137 11.8 8.6 12.8

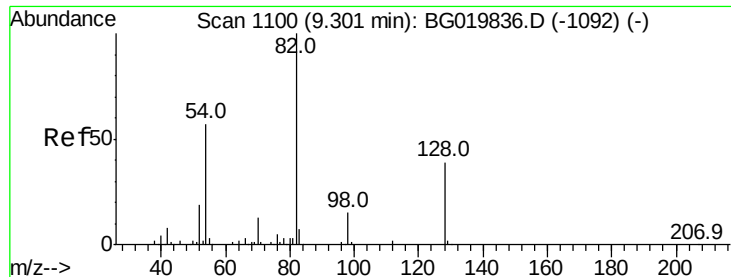
54 8.8 5.4 8.2#

68 5.4 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

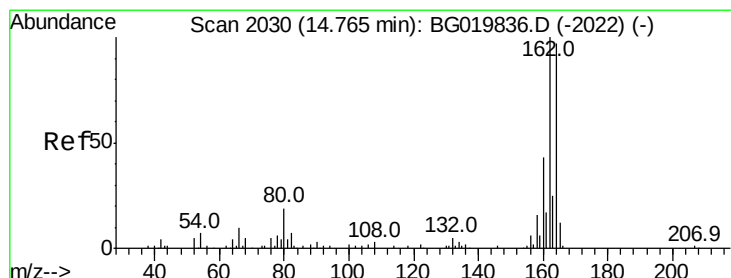
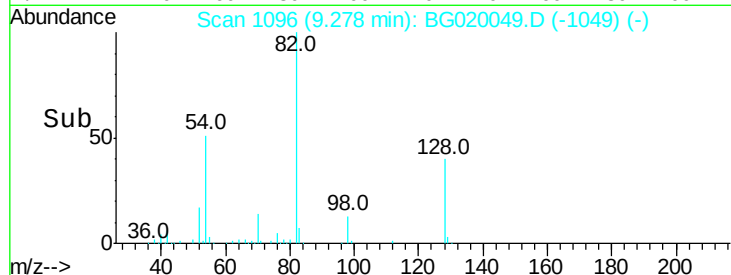
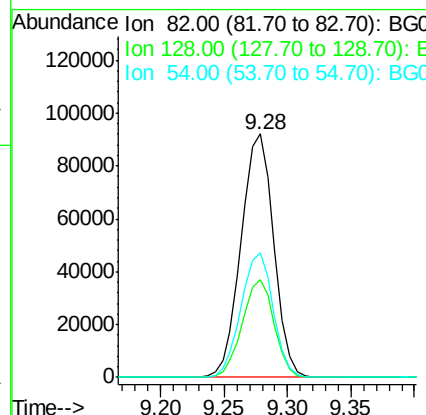
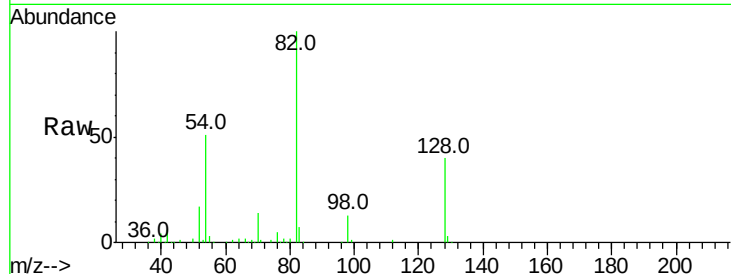




#23  
 Nitrobenzene-d5  
 Concen: 48.80 ng  
 RT: 9.28 min Scan# 1096  
 Delta R.T. -0.02 min  
 Lab File: BG020049.D  
 Acq: 9 Dec 2015 18:38

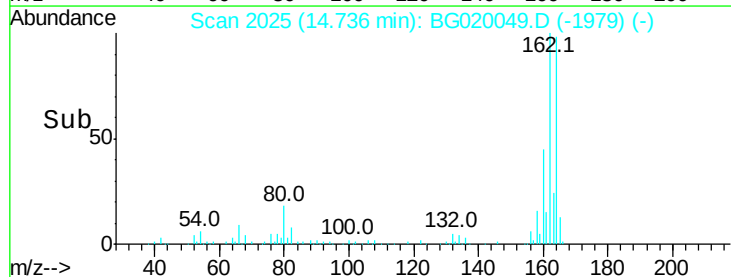
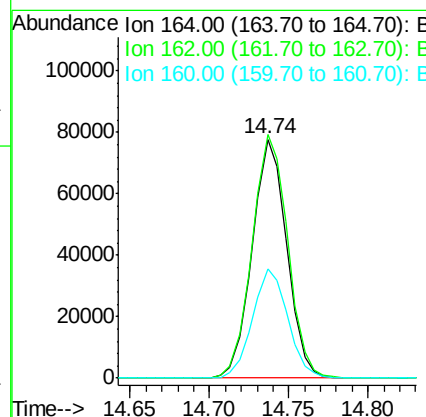
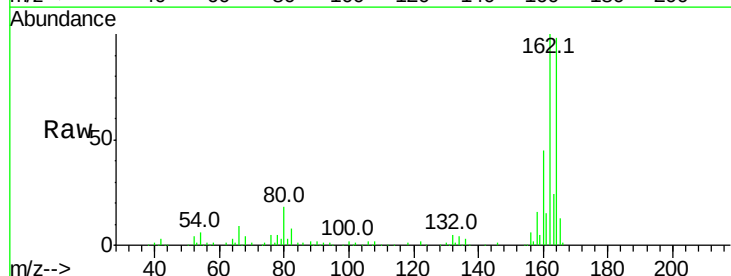
Instrument :  
 BNA\_G  
 ClientSampleId :  
 ELP-6

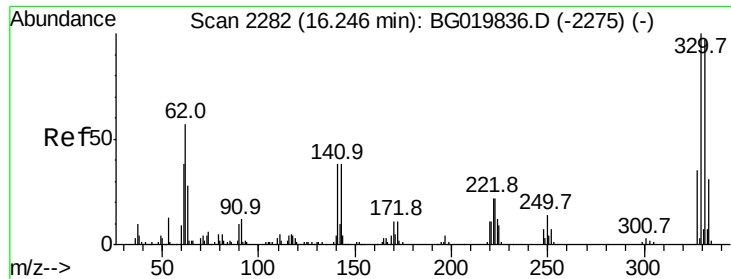
Tot Ion: 82 Resp: 164551  
 Ion Ratio Lower Upper  
 82 100  
 128 40.0 36.7 55.1  
 54 51.2 33.8 50.8#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.74 min Scan# 2025  
 Delta R.T. -0.03 min  
 Lab File: BG020049.D  
 Acq: 9 Dec 2015 18:38

Tgt Ion: 164 Resp: 117790  
 Ion Ratio Lower Upper  
 164 100  
 162 102.0 78.8 118.2  
 160 45.7 36.4 54.6

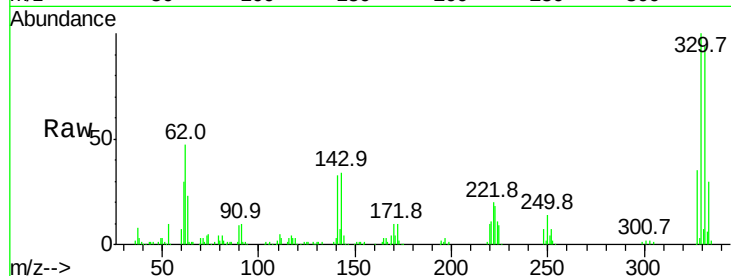




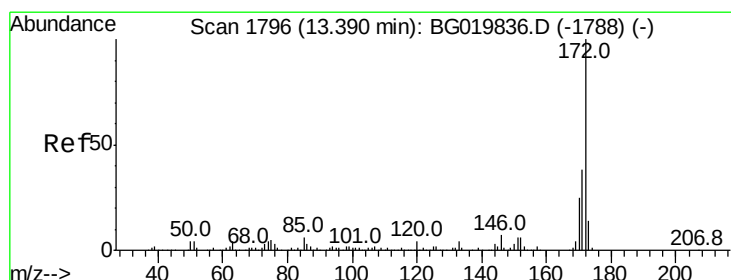
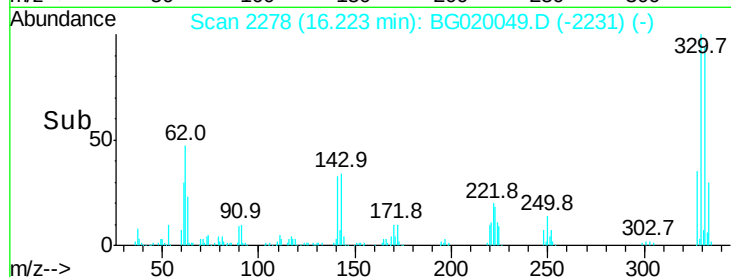
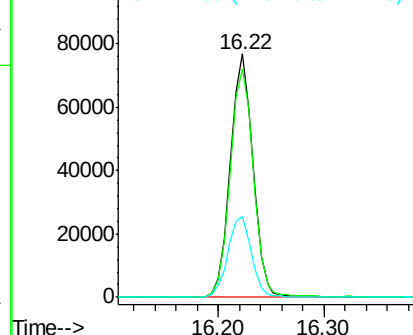
#41  
 2,4,6-Tribromophenol  
 Concen: 63.42 ng  
 RT: 16.22 min Scan# 2278  
 Delta R.T. -0.02 min  
 Lab File: BG020049.D  
 Acq: 9 Dec 2015 18:38

Instrument :  
 BNA\_G  
 ClientSampleId :  
 ELP-6

Tot Ion:330 Resp: 114297  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 78.1 117.1  
 141 34.7 28.2 42.2

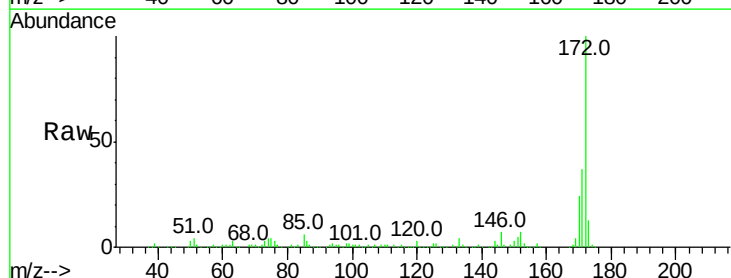


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

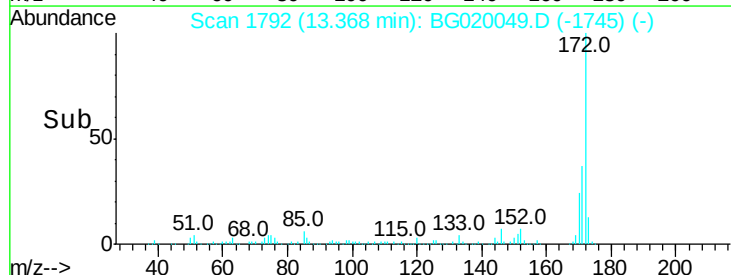
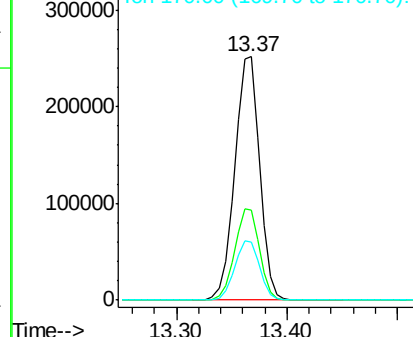


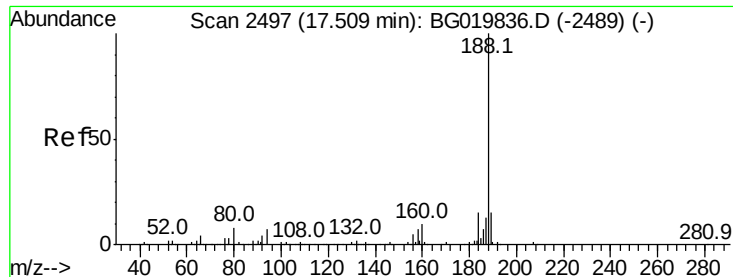
#44  
 2-Fluorobiphenyl  
 Concen: 46.04 ng  
 RT: 13.37 min Scan# 1792  
 Delta R.T. -0.02 min  
 Lab File: BG020049.D  
 Acq: 9 Dec 2015 18:38

Tgt Ion:172 Resp: 397174  
 Ion Ratio Lower Upper  
 172 100  
 171 36.8 29.0 43.6  
 170 24.1 19.9 29.9



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

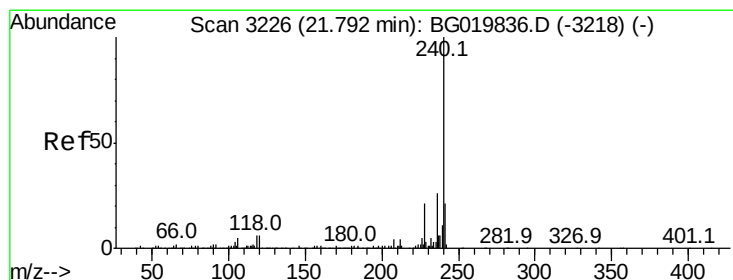
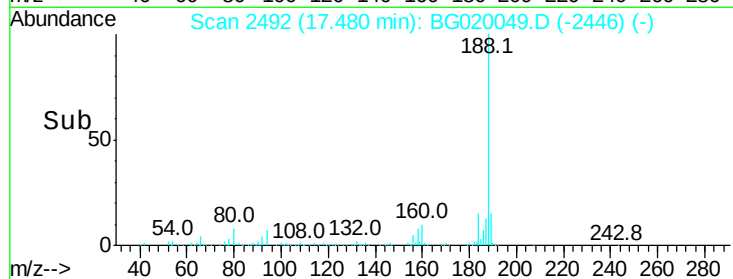
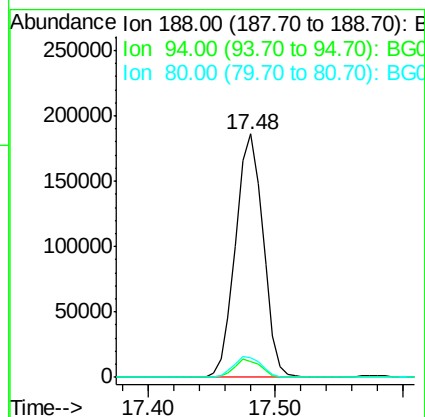
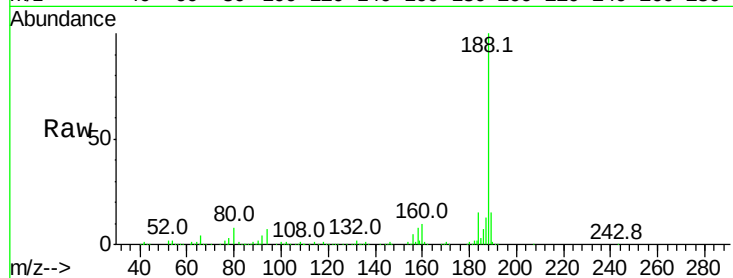




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.48 min Scan# 2492  
Delta R.T. -0.03 min  
Lab File: BG020049.D  
Acq: 9 Dec 2015 18:38

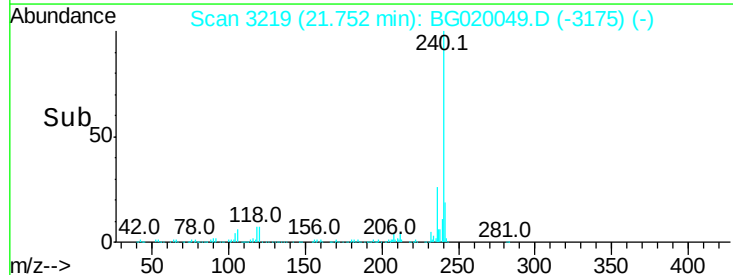
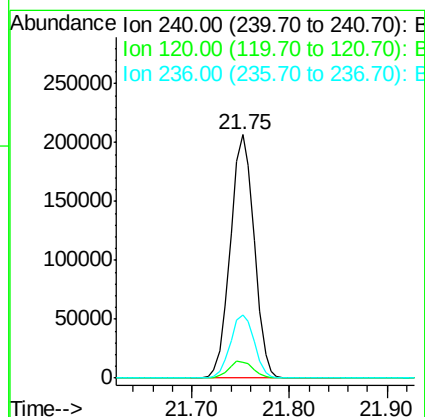
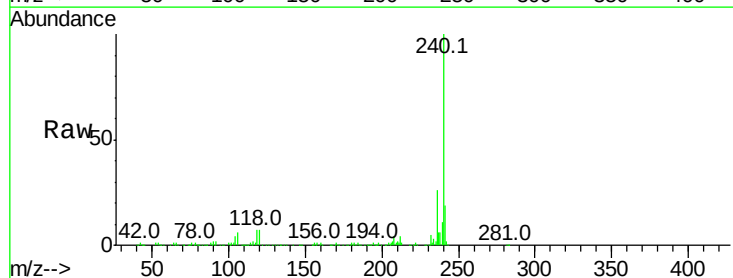
Instrument :  
BNA\_G  
ClientSampled :  
ELP-6

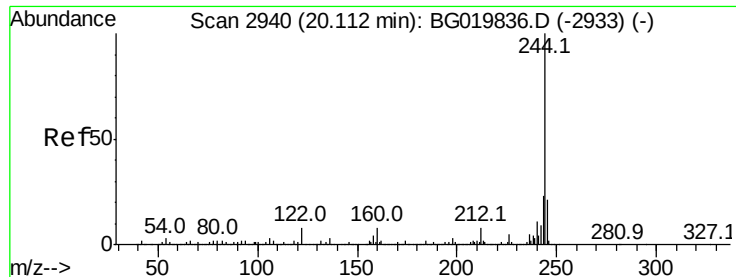
Tot Ion:188 Resp: 279970  
Ion Ratio Lower Upper  
188 100  
94 6.6 7.7 11.5#  
80 8.2 7.8 11.8



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.75 min Scan# 3219  
Delta R.T. -0.04 min  
Lab File: BG020049.D  
Acq: 9 Dec 2015 18:38

Tgt Ion:240 Resp: 350247  
Ion Ratio Lower Upper  
240 100  
120 6.7 7.4 11.0#  
236 26.2 20.7 31.1





#78

Terphenyl-d14

Concen: 32.72 ng

RT: 20.08 min Scan# 2934

Delta R.T. -0.03 min

Lab File: BG020049.D

Acq: 9 Dec 2015 18:38

Instrument :

BNA\_G

ClientSampleId :

ELP-6

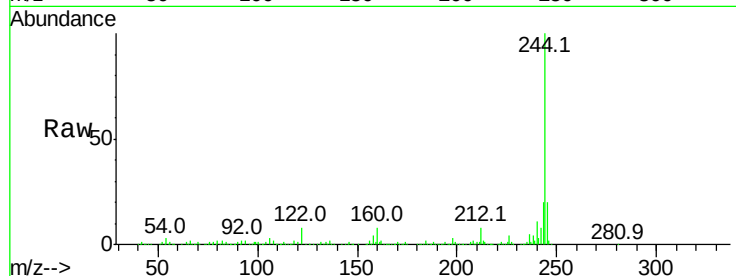
Tot Ion:244 Resp: 469885

Ion Ratio Lower Upper

244 100

212 7.5 6.9 10.3

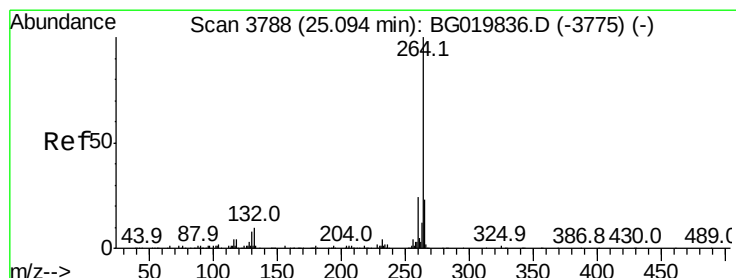
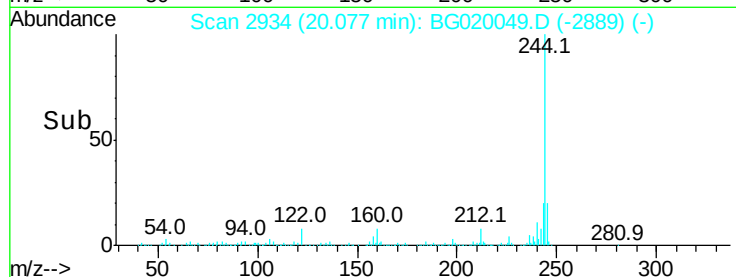
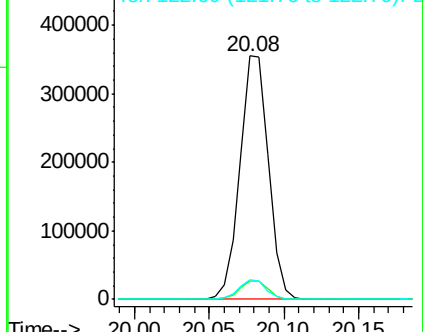
122 8.0 10.2 15.2#



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: 25.03 min Scan# 3777

Delta R.T. -0.06 min

Lab File: BG020049.D

Acq: 9 Dec 2015 18:38

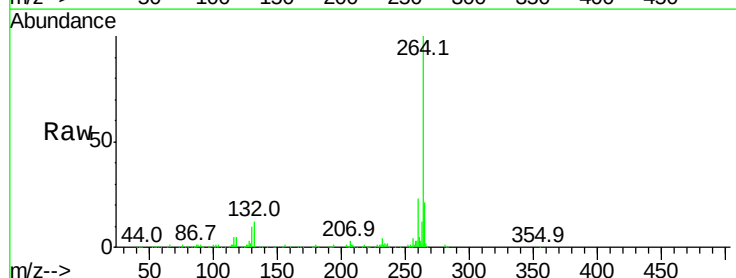
Tgt Ion:264 Resp: 329071

Ion Ratio Lower Upper

264 100

260 22.8 18.5 27.7

265 21.4 17.2 25.8



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

