

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122817\  
 Data File : BG031826.D  
 Acq On : 28 Dec 2017 15:42  
 Operator : SJ/JU  
 Sample : PB105379TB  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB105379TB

Quant Time: Dec 28 16:22:48 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 22 11:08:55 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.80  | 152  | 48945    | 20.00  | ng    | -0.04    |
| 21) Naphthalene-d8          | 11.69 | 136  | 188514   | 20.00  | ng    | -0.04    |
| 38) Acenaphthene-d10        | 15.43 | 164  | 130834   | 20.00  | ng    | -0.04    |
| 63) Phenanthrene-d10        | 18.16 | 188  | 357378   | 20.00  | ng    | -0.04    |
| 75) Chrysene-d12            | 22.51 | 240  | 424984   | 20.00  | ng    | -0.06    |
| 86) Perylene-d12            | 26.26 | 264  | 446235   | 20.00  | ng    | -0.10    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.23  | 112  | 423069   | 157.44 | ng    | -0.02    |
| 7) Phenol-d6                | 7.91  | 99   | 527626   | 151.23 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 10.00 | 82   | 280110   | 112.20 | ng    | -0.04    |
| 41) 2,4,6-Tribromophenol    | 16.90 | 330  | 343921   | 172.28 | ng    | -0.04    |
| 44) 2-Fluorobiphenyl        | 14.06 | 172  | 1038225  | 99.60  | ng    | -0.04    |
| 78) Terphenyl-d14           | 20.70 | 244  | 1901652  | 102.23 | ng    | -0.04    |

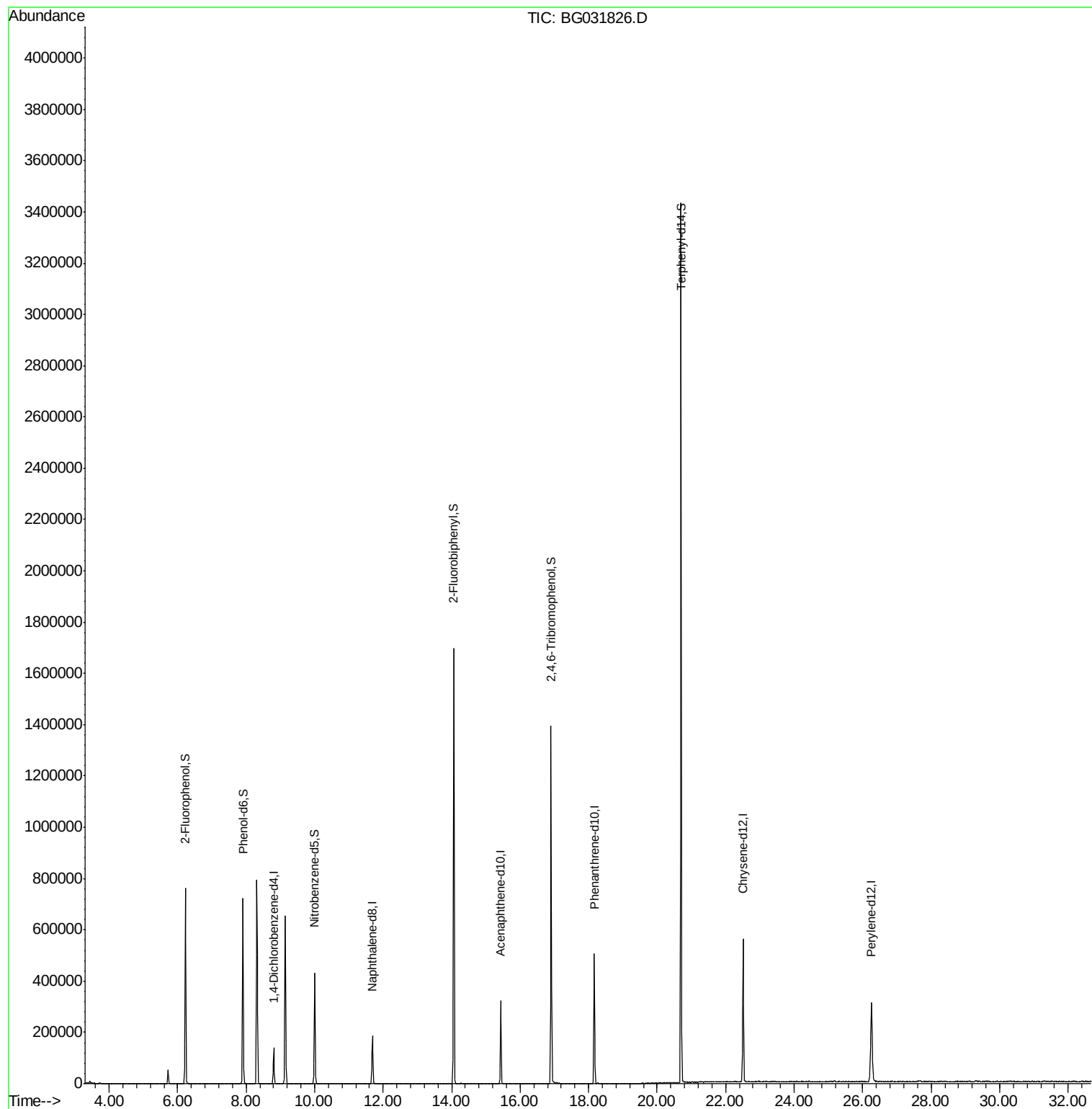
Target Compounds Qvalue

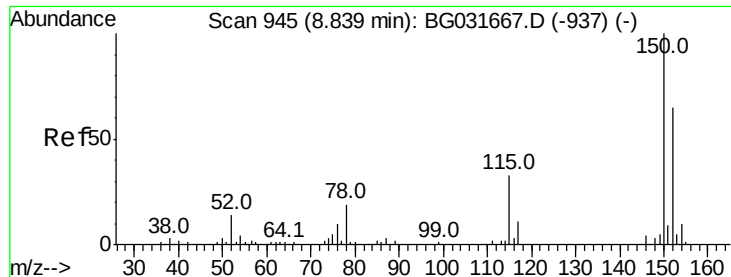
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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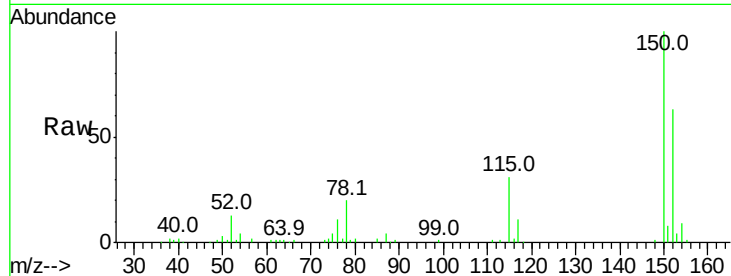


#1

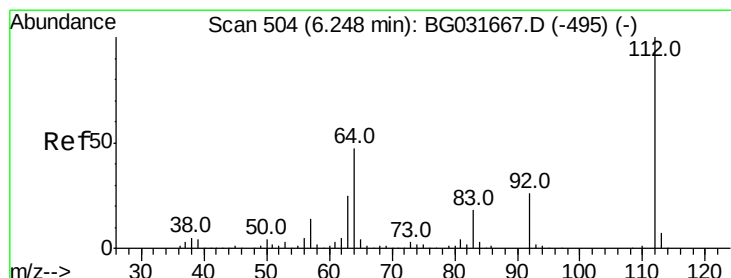
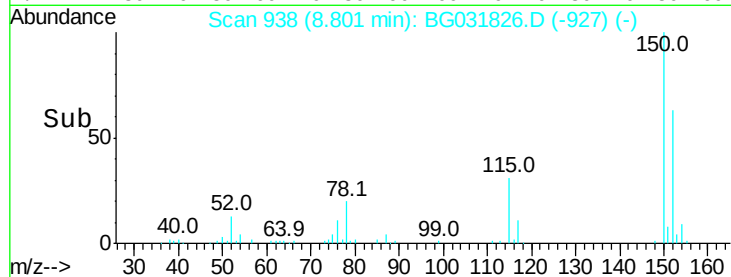
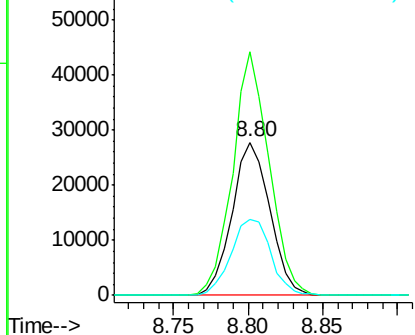
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.80 min Scan# 938  
Delta R.T. -0.04 min  
Lab File: BG031826.D  
Acq: 28 Dec 2017 15:42

Instrument :  
BNA\_G  
ClientSampleId :  
PB105379TB

Tot Ion:152 Resp: 48945  
Ion Ratio Lower Upper  
152 100  
150 159.1 126.6 189.8  
115 49.3 53.0 79.4#



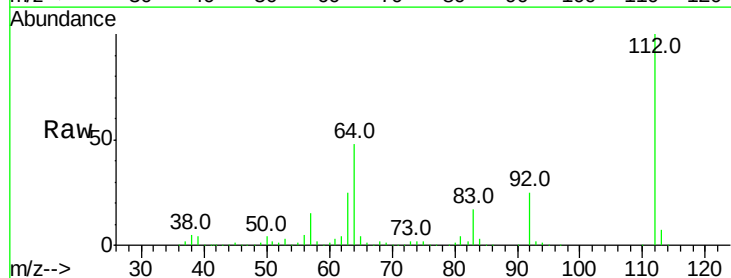
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



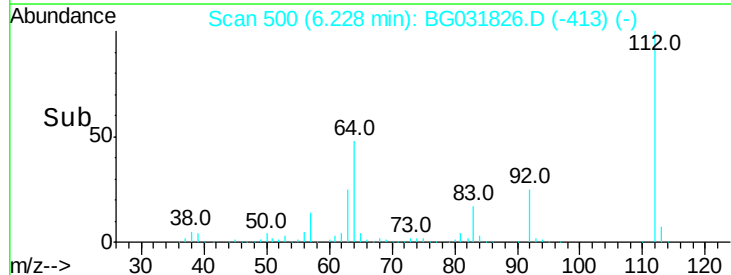
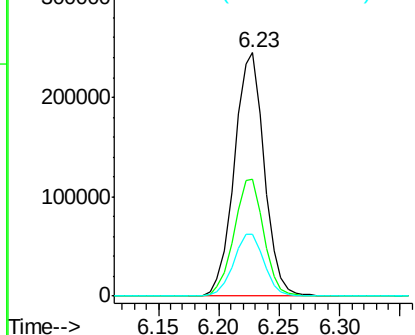
#5

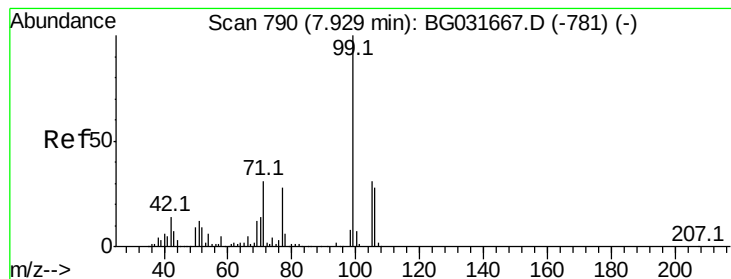
2-Fluorophenol  
Concen: 157.436 ng  
RT: 6.23 min Scan# 500  
Delta R.T. -0.02 min  
Lab File: BG031826.D  
Acq: 28 Dec 2017 15:42

Tgt Ion:112 Resp: 423069  
Ion Ratio Lower Upper  
112 100  
64 47.8 56.3 84.5#  
63 25.2 30.1 45.1#



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: 151.229 ng

RT: 7.91 min Scan# 786

Delta R.T. -0.02 min

Lab File: BG031826.D

Acq: 28 Dec 2017 15:42

Instrument :

BNA\_G

ClientSampleId :

PB105379TB

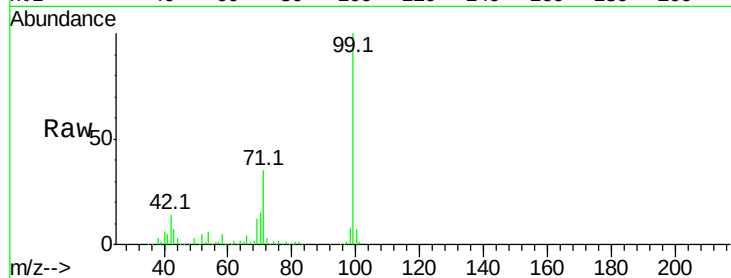
Tot Ion: 99 Resp: 527626

Ion Ratio Lower Upper

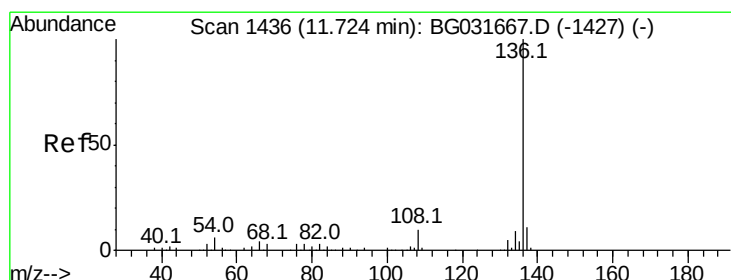
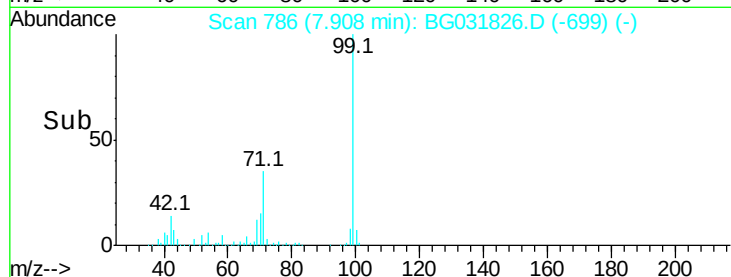
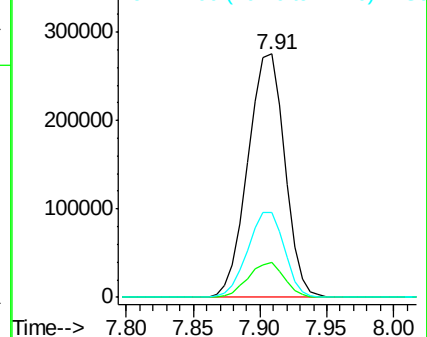
99 100

42 14.2 14.1 21.1

71 35.0 26.1 39.1



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: 20.000 ng

RT: 11.69 min Scan# 1429

Delta R.T. -0.04 min

Lab File: BG031826.D

Acq: 28 Dec 2017 15:42

Tgt Ion: 136 Resp: 188514

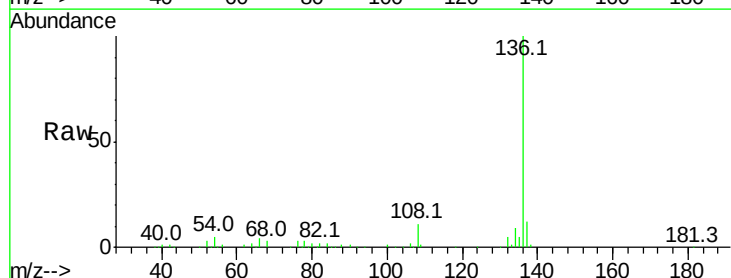
Ion Ratio Lower Upper

136 100

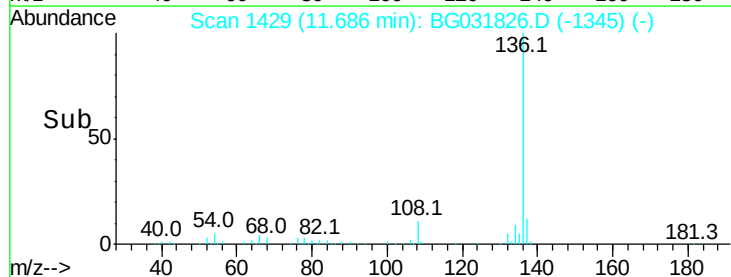
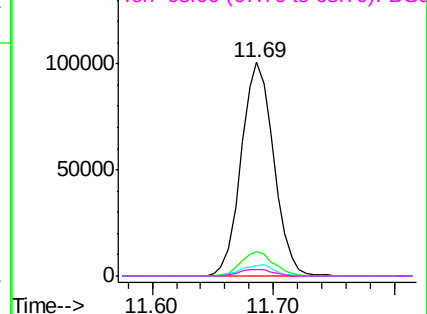
137 11.5 9.2 13.8

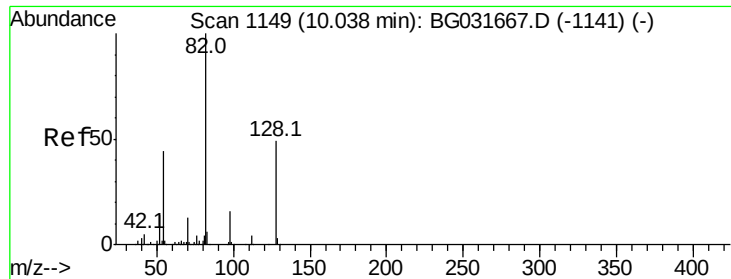
54 4.7 10.3 15.5#

68 3.1 4.5 6.7#



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

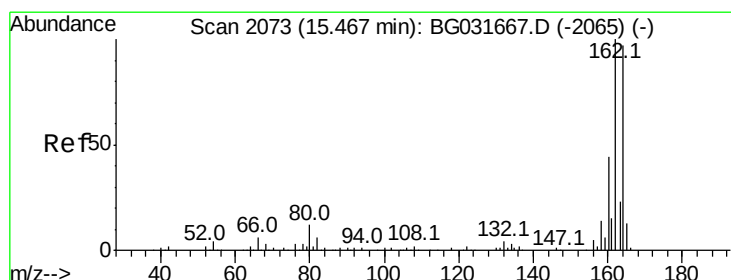
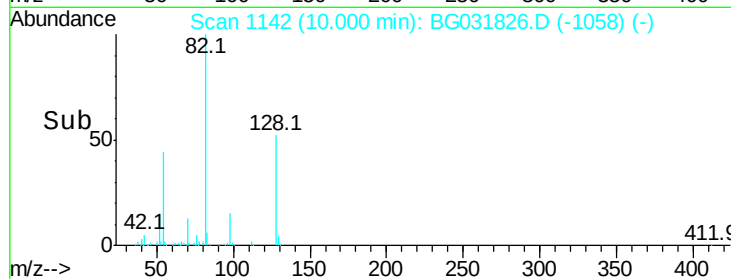
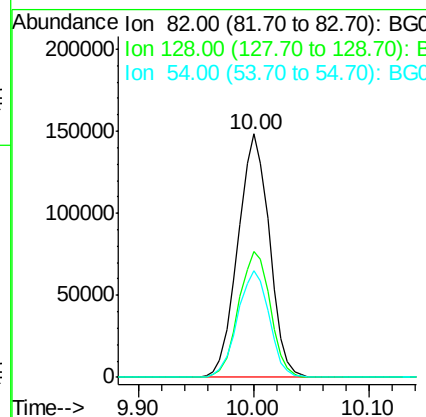
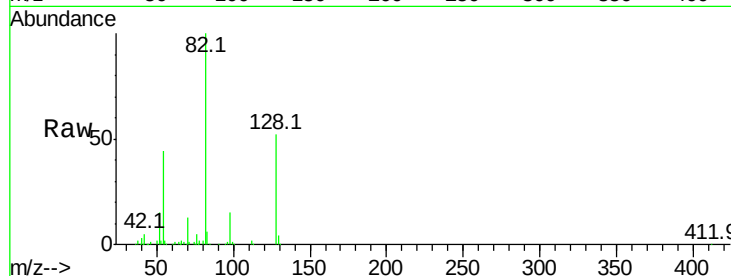




#23  
Nitrobenzene-d5  
Concen: 112.202 ng  
RT: 10.00 min Scan# 1142  
Delta R.T. -0.04 min  
Lab File: BG031826.D  
Acq: 28 Dec 2017 15:42

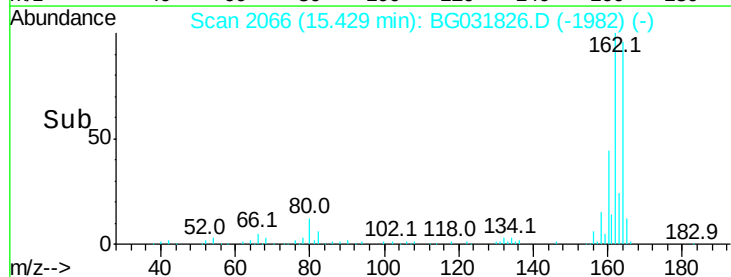
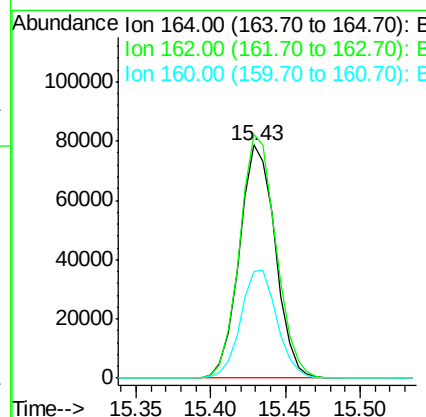
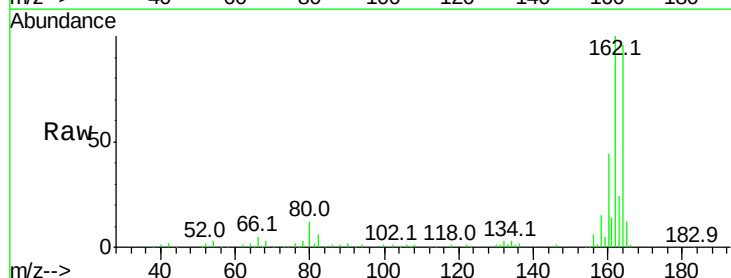
Instrument :  
BNA\_G  
ClientSampleId :  
PB105379TB

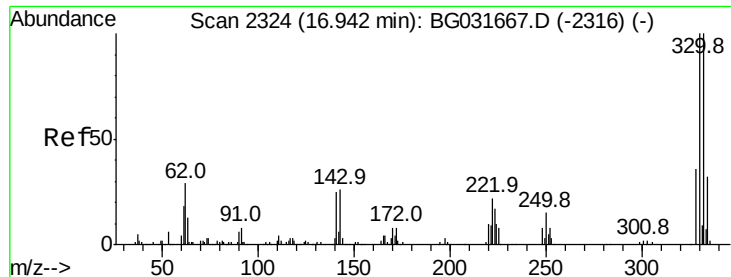
| Tot Ion   | 82    | Resp  | 280110 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 51.9  | 29.7  | 44.5#  |
| 54        | 43.7  | 43.1  | 64.7   |



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.43 min Scan# 2066  
Delta R.T. -0.04 min  
Lab File: BG031826.D  
Acq: 28 Dec 2017 15:42

| Tgt Ion   | 164   | Resp  | 130834 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 104.4 | 78.8  | 118.2  |
| 160       | 45.6  | 35.4  | 53.0   |





#41

2,4,6-Tribromophenol

Concen: 172.275 ng

RT: 16.90 min Scan# 2317

Delta R.T. -0.04 min

Lab File: BG031826.D

Acq: 28 Dec 2017 15:42

Instrument :

BNA\_G

ClientSampled :

PB105379TB

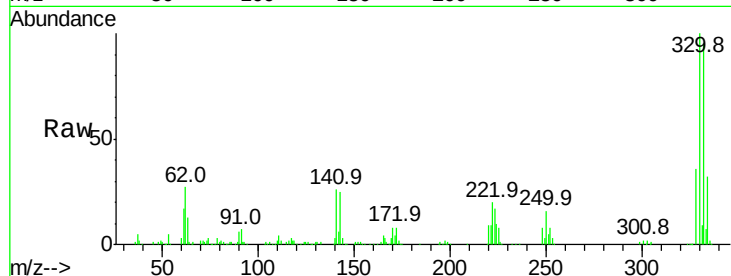
Tot Ion:330 Resp: 343921

Ion Ratio Lower Upper

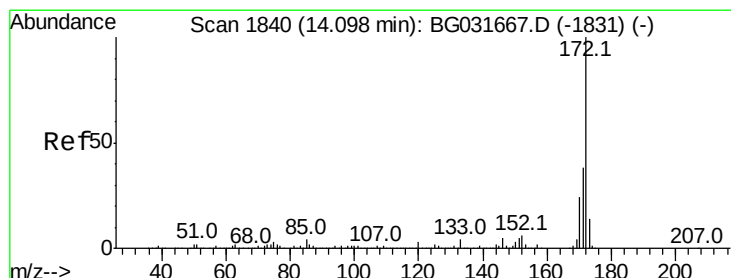
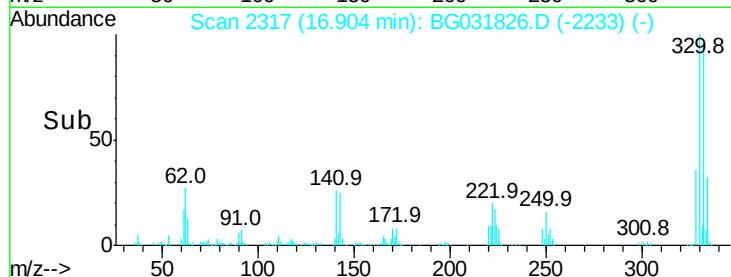
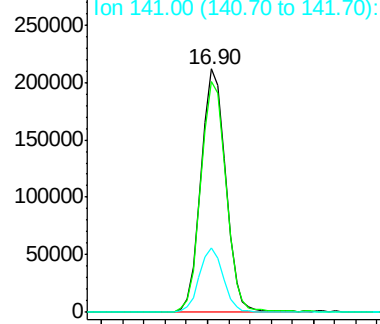
330 100

332 96.8 77.0 115.6

141 25.6 25.2 37.8



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: 99.600 ng

RT: 14.06 min Scan# 1833

Delta R.T. -0.04 min

Lab File: BG031826.D

Acq: 28 Dec 2017 15:42

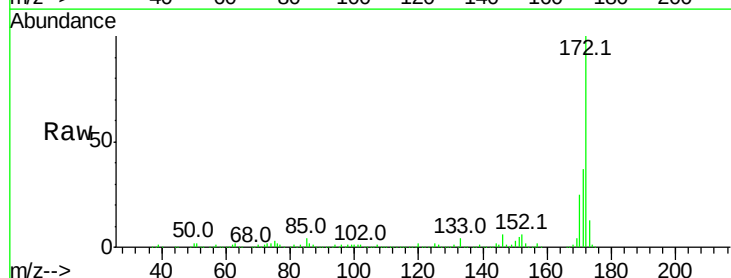
Tgt Ion:172 Resp: 1038225

Ion Ratio Lower Upper

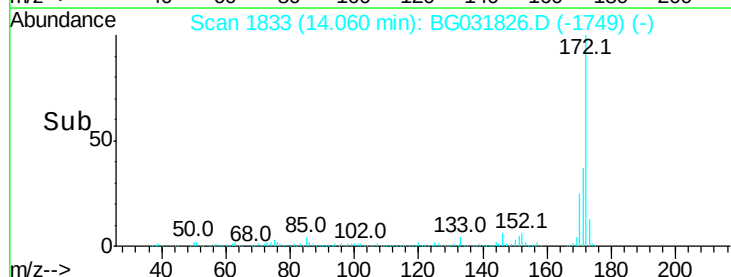
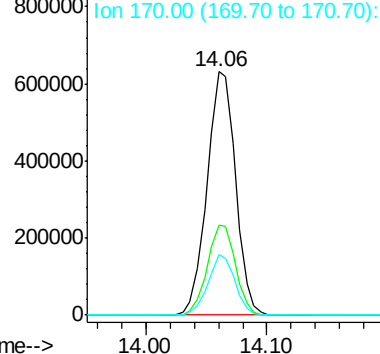
172 100

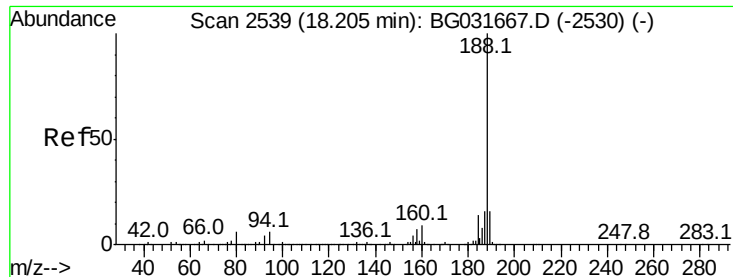
171 37.2 30.0 45.0

170 24.7 19.5 29.3



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

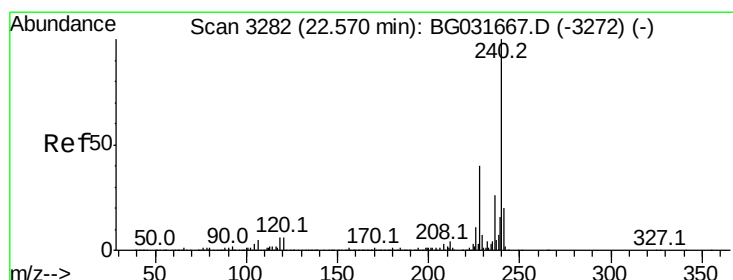
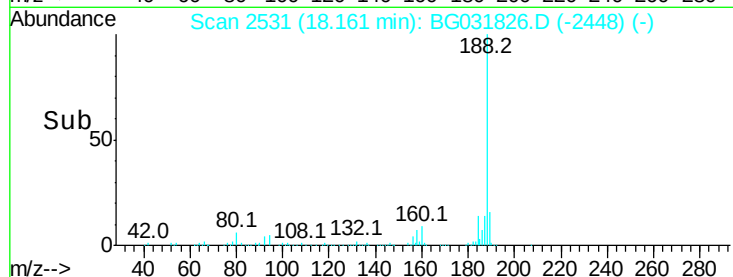
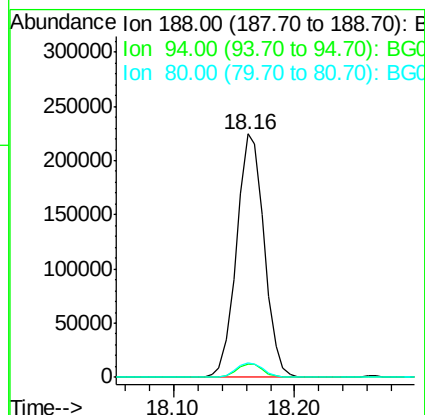
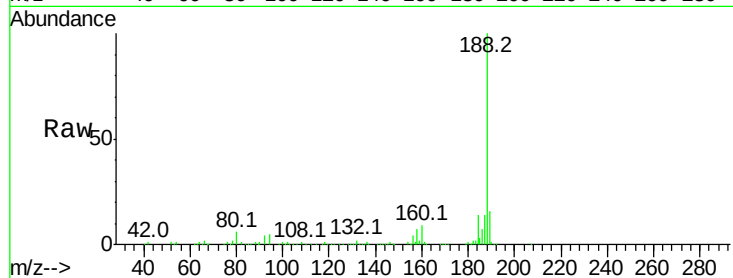




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.16 min Scan# 2531  
Delta R.T. -0.04 min  
Lab File: BG031826.D  
Acq: 28 Dec 2017 15:42

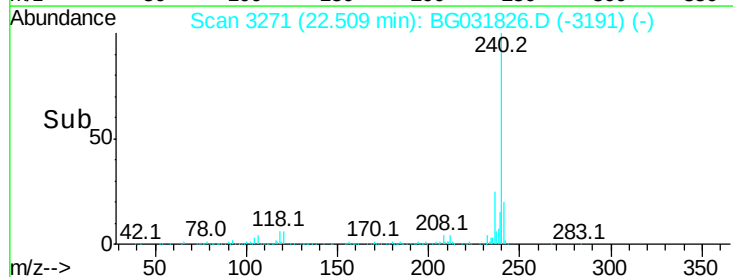
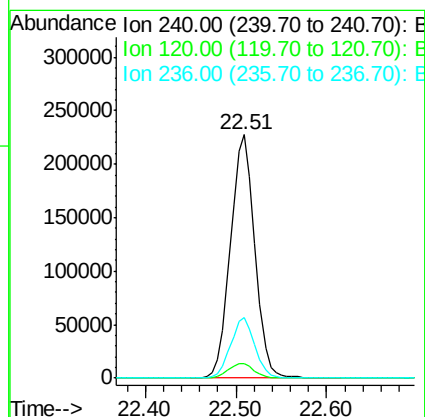
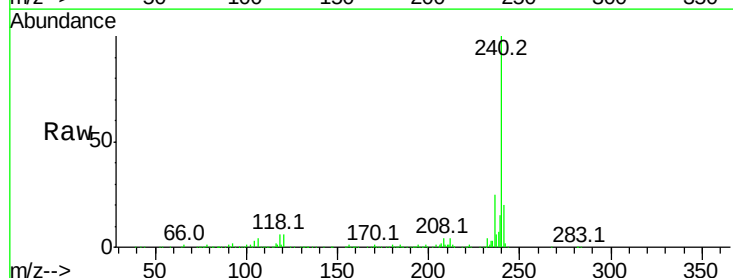
Instrument :  
BNA\_G  
ClientSampleId :  
PB105379TB

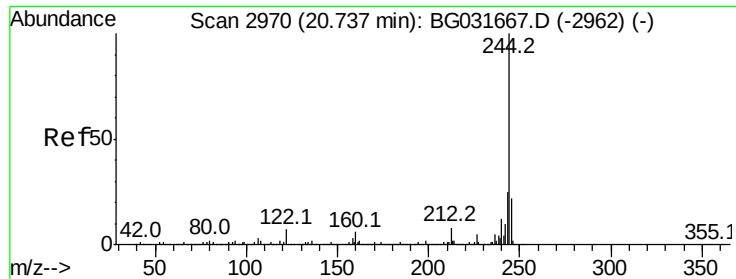
Tot Ion:188 Resp: 357378  
Ion Ratio Lower Upper  
188 100  
94 5.2 6.9 10.3#  
80 5.8 7.7 11.5#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.51 min Scan# 3271  
Delta R.T. -0.06 min  
Lab File: BG031826.D  
Acq: 28 Dec 2017 15:42

Tgt Ion:240 Resp: 424984  
Ion Ratio Lower Upper  
240 100  
120 6.0 6.8 10.2#  
236 24.8 20.9 31.3





#78

Terphenyl-d14

Concen: 102.230 ng

RT: 20.70 min Scan# 2963

Delta R.T. -0.04 min

Lab File: BG031826.D

Acq: 28 Dec 2017 15:42

Instrument :

BNA\_G

ClientSampleId :

PB105379TB

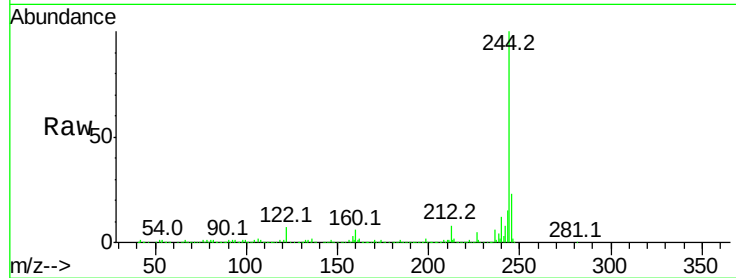
Tot Ion:244 Resp: 1901652

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

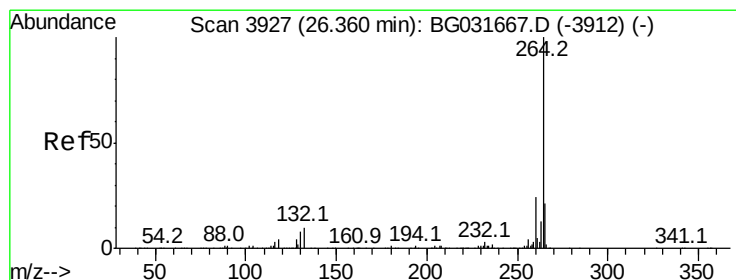
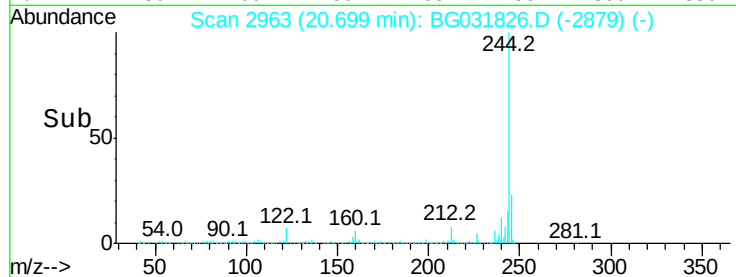
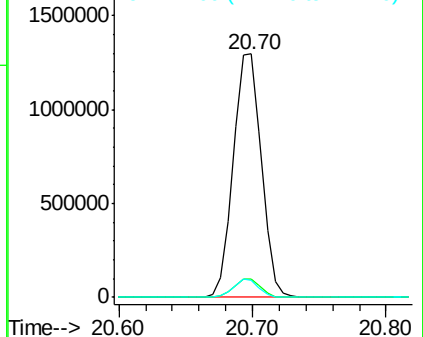
122 7.0 7.0 10.4



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: 20.000 ng

RT: 26.26 min Scan# 3909

Delta R.T. -0.10 min

Lab File: BG031826.D

Acq: 28 Dec 2017 15:42

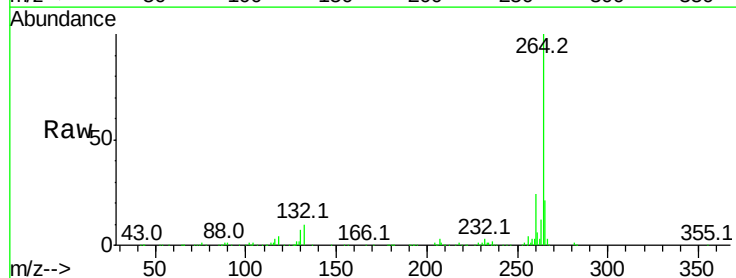
Tgt Ion:264 Resp: 446235

Ion Ratio Lower Upper

264 100

260 23.7 17.4 26.0

265 21.1 17.7 26.5



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

