

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102518\  
 Data File : BG037574.D  
 Acq On : 26 Oct 2018 10:39  
 Operator : JU/SJ  
 Sample : J5655-12  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S37-0009

Quant Time: Oct 26 13:40:40 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 18 14:06:42 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.10  | 152  | 52336    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.93 | 136  | 230387   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.73 | 164  | 160582   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.48 | 188  | 392385   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.77 | 240  | 354086   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 25.10 | 264  | 341739   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.64  | 112  | 193119   | 61.69  | ng    | 0.00     |
| 7) Phenol-d6                | 7.24  | 99   | 176649   | 37.32  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.28  | 82   | 347452   | 84.48  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.22 | 330  | 214485   | 122.46 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.36 | 172  | 838970   | 78.78  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.08 | 244  | 1310977  | 79.11  | ng    | 0.00     |

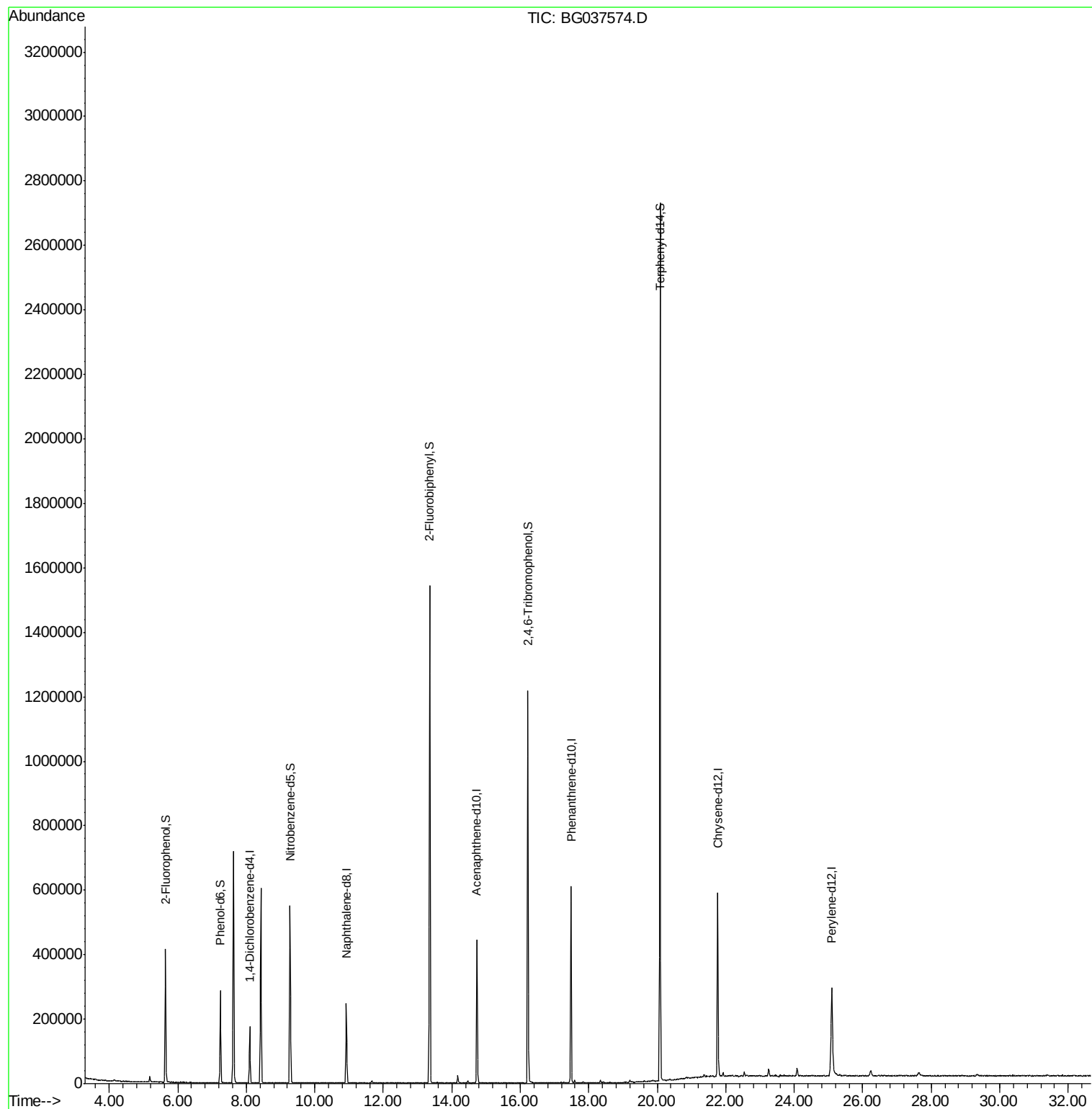
Target Compounds Qvalue

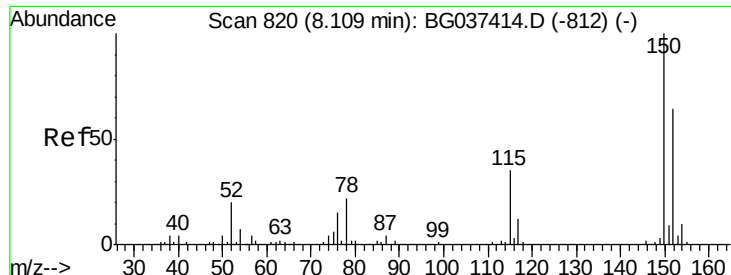
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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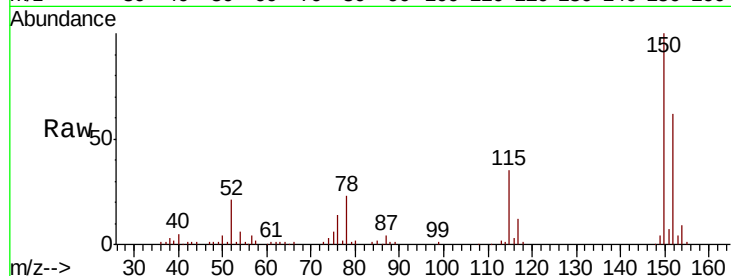


#1

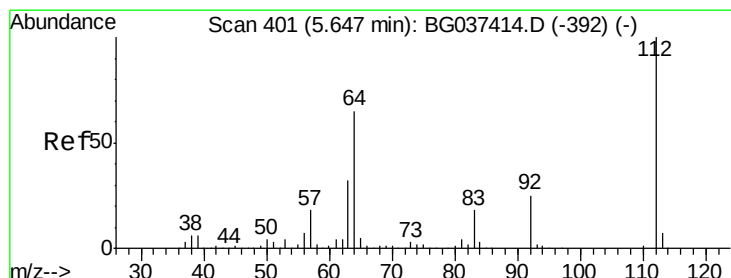
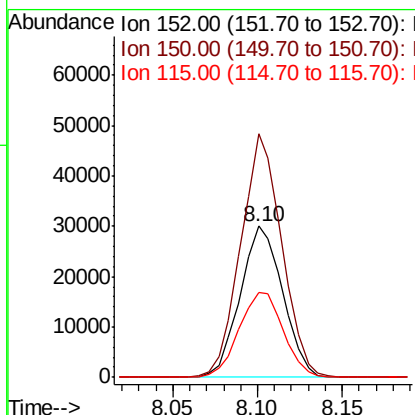
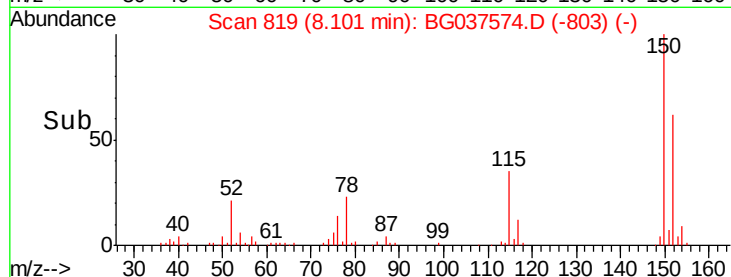
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.10 min Scan# 819  
Delta R.T. -0.01 min  
Lab File: BG037574.D  
Acq: 26 Oct 2018 10:39

Instrument :  
BNA\_G  
ClientSampleId :  
S37-0009

Tot Ion:152 Resp: 52336  
Ion Ratio Lower Upper  
152 100  
150 161.1 126.0 189.0  
115 56.4 45.5 68.3



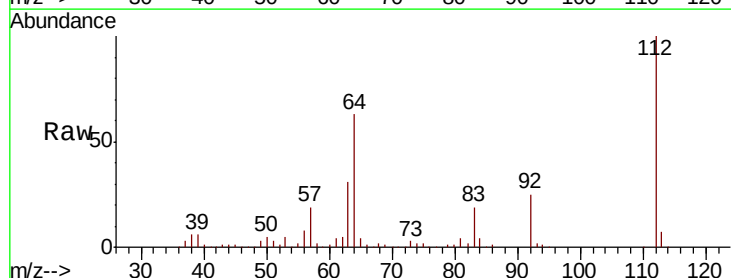
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



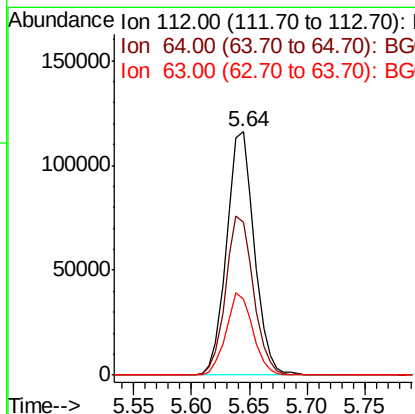
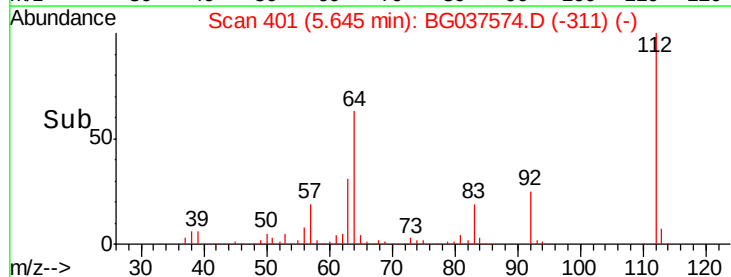
#5

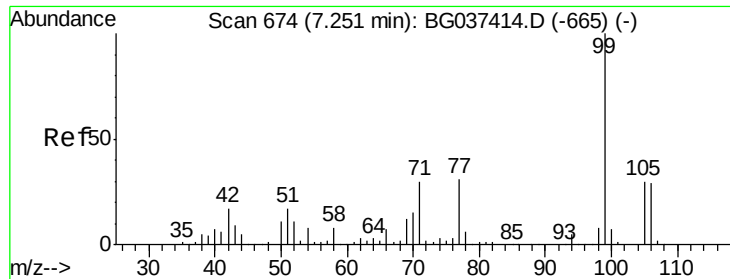
2-Fluorophenol  
Concen: 61.691 ng  
RT: 5.64 min Scan# 401  
Delta R.T. -0.00 min  
Lab File: BG037574.D  
Acq: 26 Oct 2018 10:39

Tgt Ion:112 Resp: 193119  
Ion Ratio Lower Upper  
112 100  
64 62.7 53.1 79.7  
63 31.3 27.3 40.9



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: 37.318 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037574.D

Acq: 26 Oct 2018 10:39

Instrument :

BNA\_G

ClientSampleId :

S37-0009

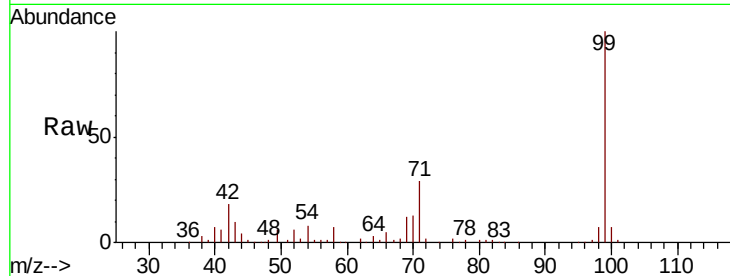
Tot Ion: 99 Resp: 176649

Ion Ratio Lower Upper

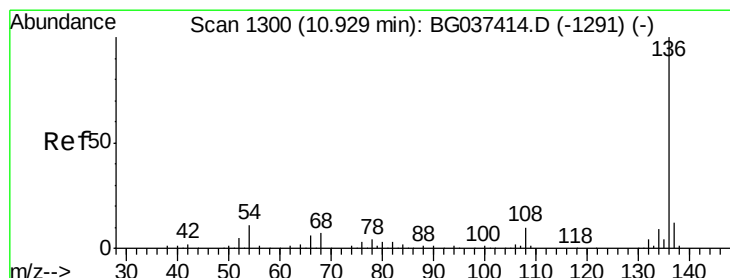
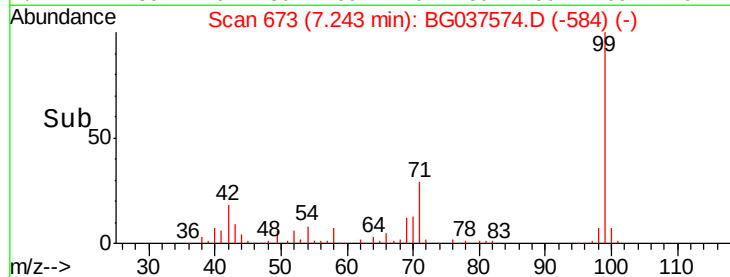
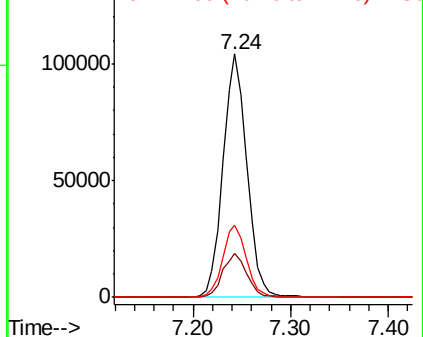
99 100

42 18.2 15.0 22.4

71 29.5 25.5 38.3



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: 10.93 min Scan# 1300

Delta R.T. -0.00 min

Lab File: BG037574.D

Acq: 26 Oct 2018 10:39

Tgt Ion: 136 Resp: 230387

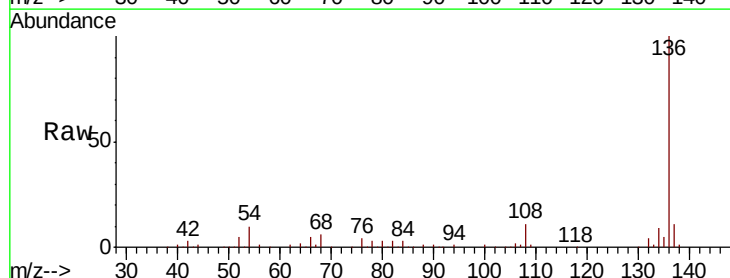
Ion Ratio Lower Upper

136 100

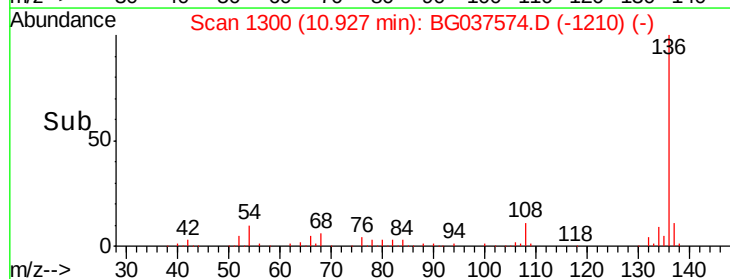
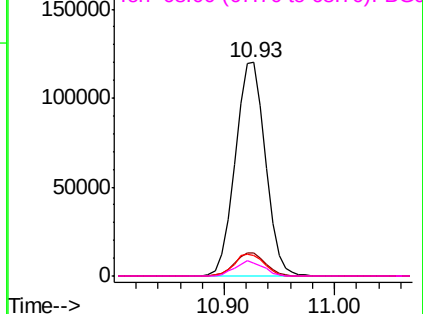
137 11.1 9.6 14.4

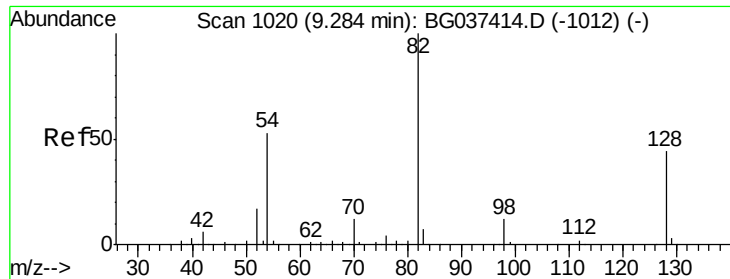
54 9.9 7.9 11.9

68 6.1 4.8 7.2



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

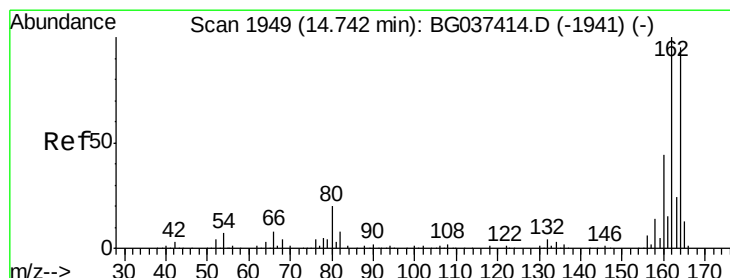
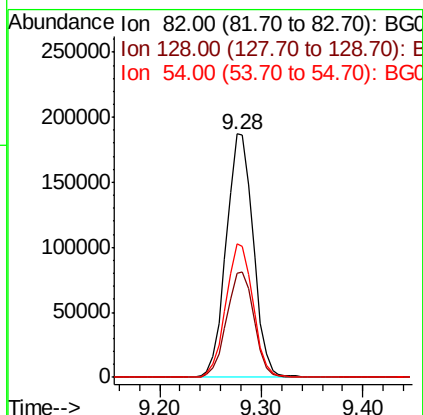
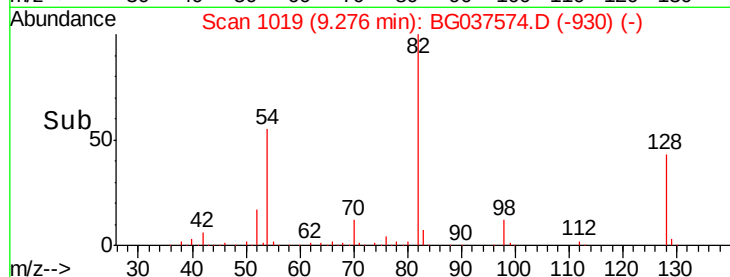
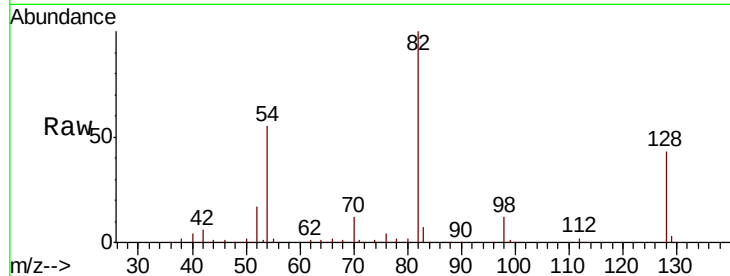




#23  
 Nitrobenzene-d5  
 Concen: 84.484 ng  
 RT: 9.28 min Scan# 1019  
 Delta R.T. -0.01 min  
 Lab File: BG037574.D  
 Acq: 26 Oct 2018 10:39

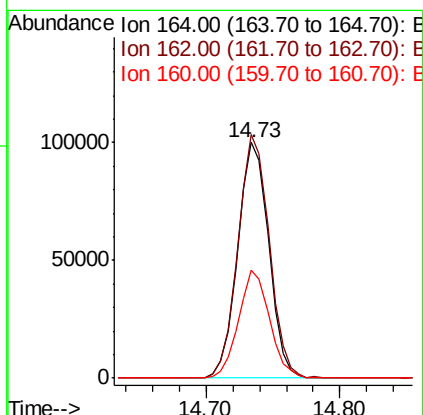
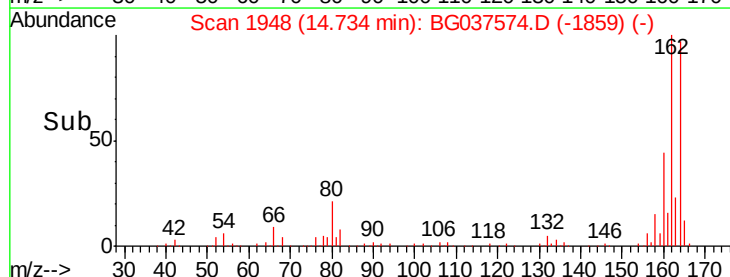
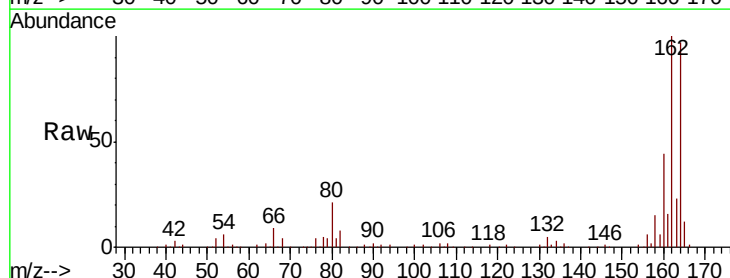
Instrument :  
 BNA\_G  
 ClientSampleId :  
 S37-0009

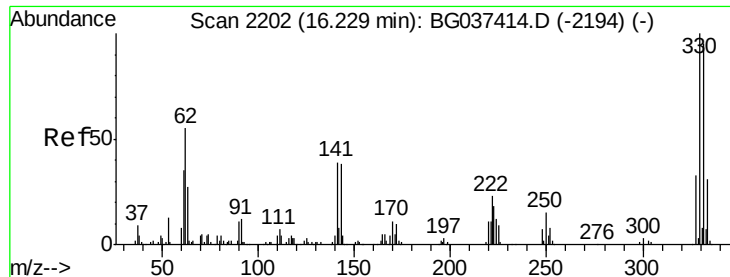
| Tot Ion   | 82    | Resp  | 347452 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.7  | 34.6  | 51.8   |
| 54        | 54.8  | 45.3  | 67.9   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.73 min Scan# 1948  
 Delta R.T. -0.01 min  
 Lab File: BG037574.D  
 Acq: 26 Oct 2018 10:39

| Tgt Ion   | 164   | Resp  | 160582 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 103.3 | 81.3  | 121.9  |
| 160       | 45.9  | 36.3  | 54.5   |





#42

2,4,6-Tribromophenol

Concen: 122.461 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037574.D

Acq: 26 Oct 2018 10:39

Instrument :

BNA\_G

ClientSampleId :

S37-0009

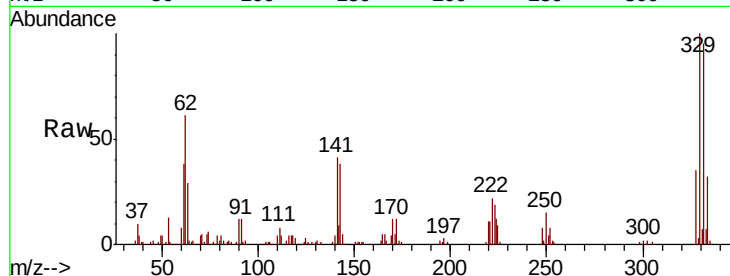
Tot Ion:330 Resp: 214485

Ion Ratio Lower Upper

330 100

332 96.4 78.4 117.6

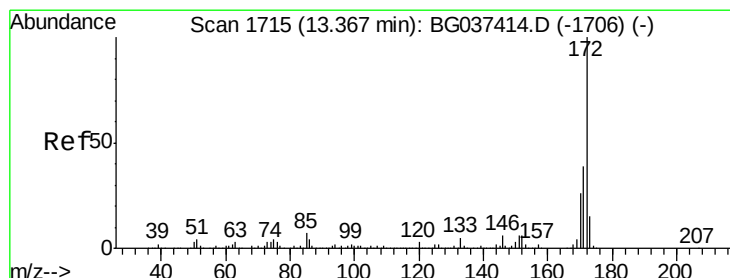
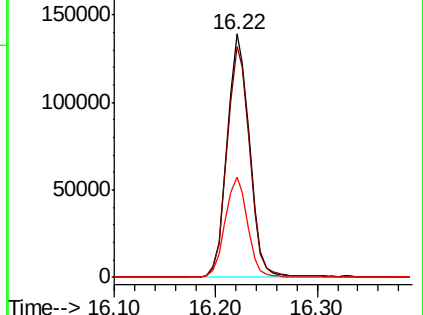
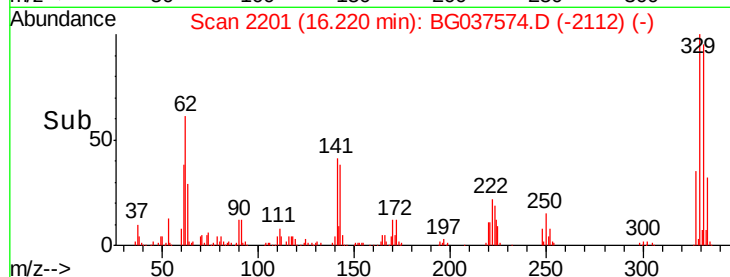
141 41.1 32.2 48.2



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



#45

2-Fluorobiphenyl

Concen: 78.783 ng

RT: 13.36 min Scan# 1714

Delta R.T. -0.01 min

Lab File: BG037574.D

Acq: 26 Oct 2018 10:39

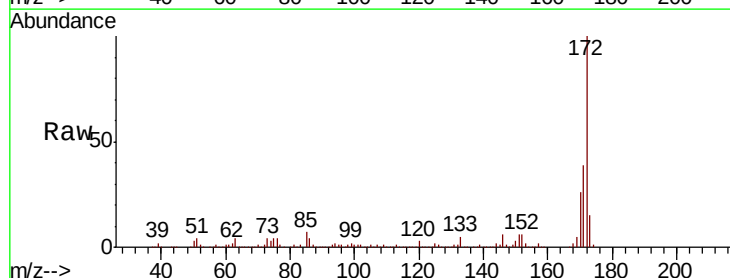
Tgt Ion:172 Resp: 838970

Ion Ratio Lower Upper

172 100

171 39.0 31.0 46.4

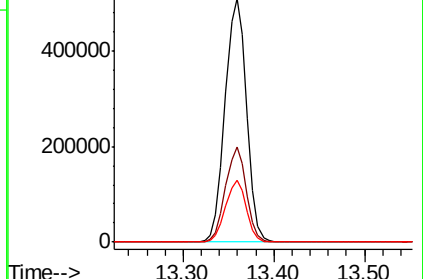
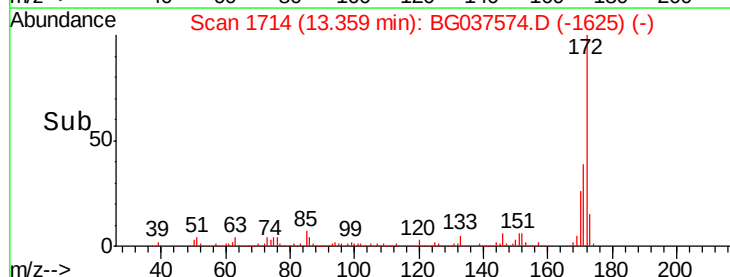
170 25.6 20.2 30.2

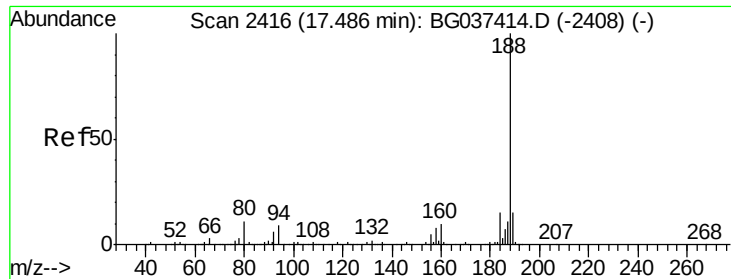


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

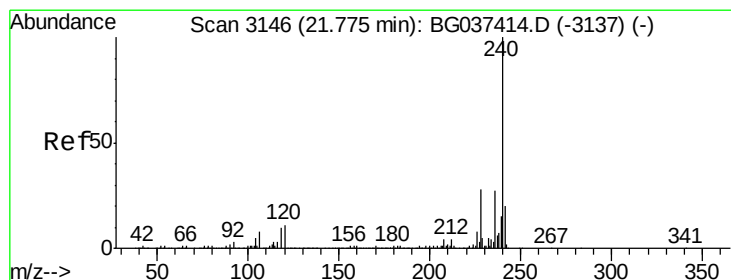
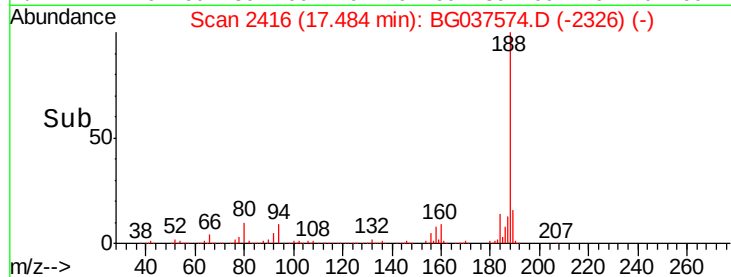
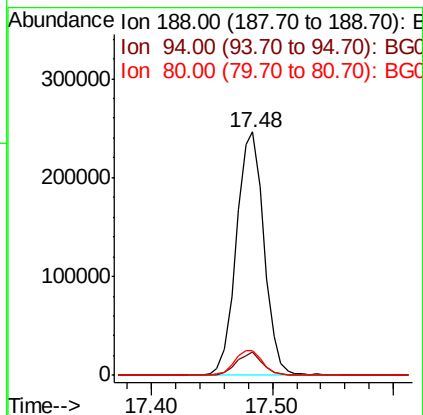
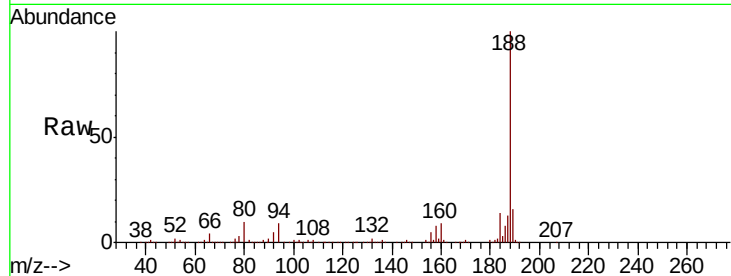




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.48 min Scan# 2416  
Delta R.T. -0.00 min  
Lab File: BG037574.D  
Acq: 26 Oct 2018 10:39

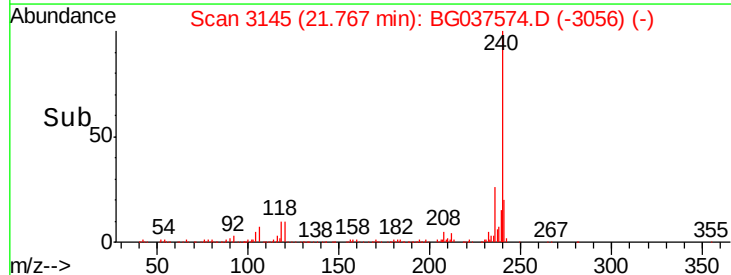
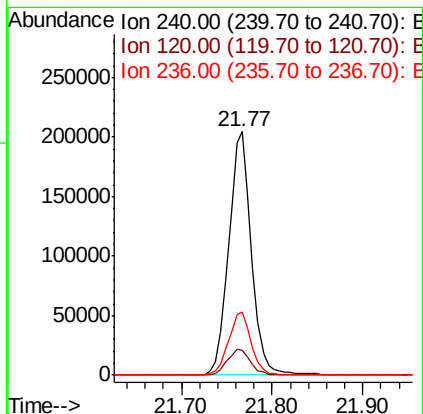
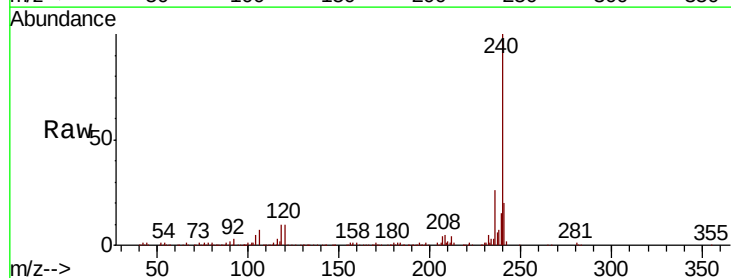
Instrument :  
BNA\_G  
ClientSampleId :  
S37-0009

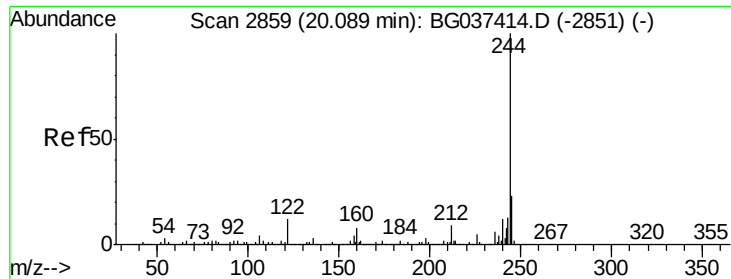
Tot Ion:188 Resp: 392385  
Ion Ratio Lower Upper  
188 100  
94 9.4 7.2 10.8  
80 10.1 7.7 11.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.77 min Scan# 3145  
Delta R.T. -0.01 min  
Lab File: BG037574.D  
Acq: 26 Oct 2018 10:39

Tgt Ion:240 Resp: 354086  
Ion Ratio Lower Upper  
240 100  
120 10.1 8.1 12.1  
236 25.9 21.4 32.0





#79

Terphenyl-d14

Concen: 79.112 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037574.D

Acq: 26 Oct 2018 10:39

Instrument :

BNA\_G

ClientSampleId :

S37-0009

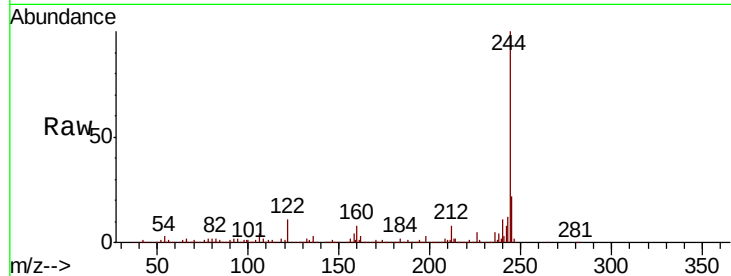
Tot Ion:244 Resp: 1310977

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

122 11.4 9.0 13.4

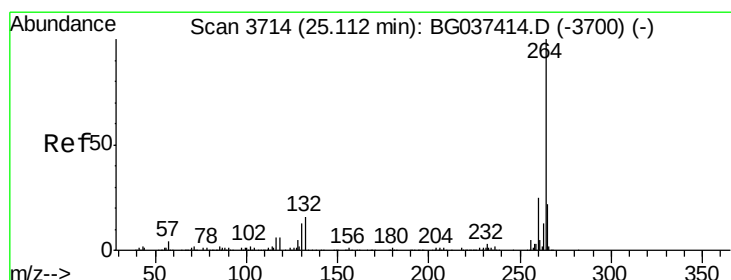
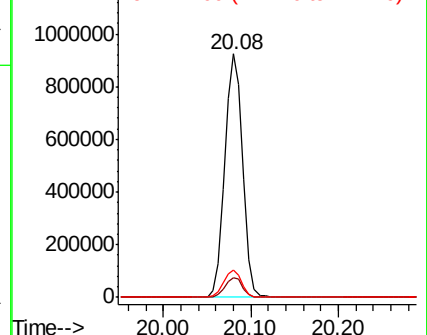
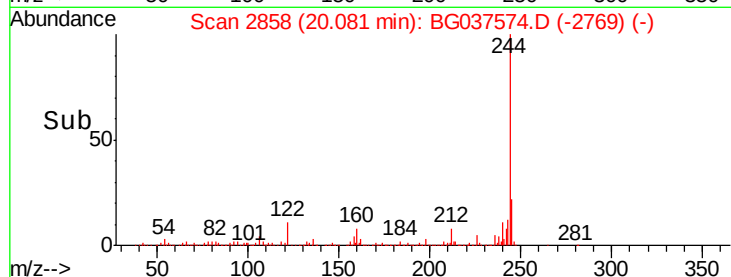


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.10 min Scan# 3712

Delta R.T. -0.01 min

Lab File: BG037574.D

Acq: 26 Oct 2018 10:39

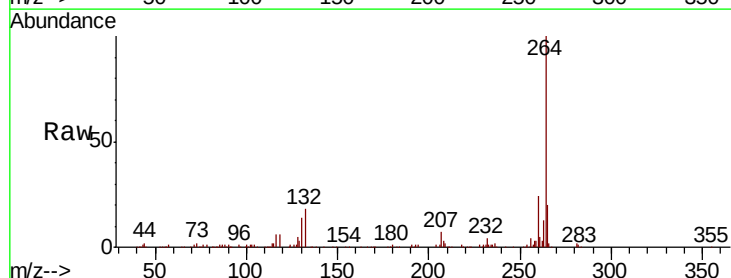
Tgt Ion:264 Resp: 341739

Ion Ratio Lower Upper

264 100

260 24.0 18.2 27.4

265 20.3 17.9 26.9



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

