

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042418\  
 Data File : BG033955.D  
 Acq On : 24 Apr 2018 15:37  
 Operator : SJ/JU  
 Sample : J2503-08  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CHRT25773

Quant Time: Apr 25 00:15:46 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 19 13:56:22 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.83  | 152  | 83061    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.61 | 136  | 330338   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.46 | 164  | 201640   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.21 | 188  | 511776   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.47 | 240  | 602917   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 24.52 | 264  | 606580   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.44  | 112  | 600386   | 115.40 | ng    | 0.00     |
| 7) Phenol-d6                | 7.00  | 99   | 672783   | 88.66  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.98  | 82   | 556904   | 95.94  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 15.95 | 330  | 369179   | 156.93 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.08 | 172  | 1278725  | 93.16  | ng    | -0.02    |
| 78) Terphenyl-d14           | 19.85 | 244  | 2283373  | 85.08  | ng    | -0.02    |

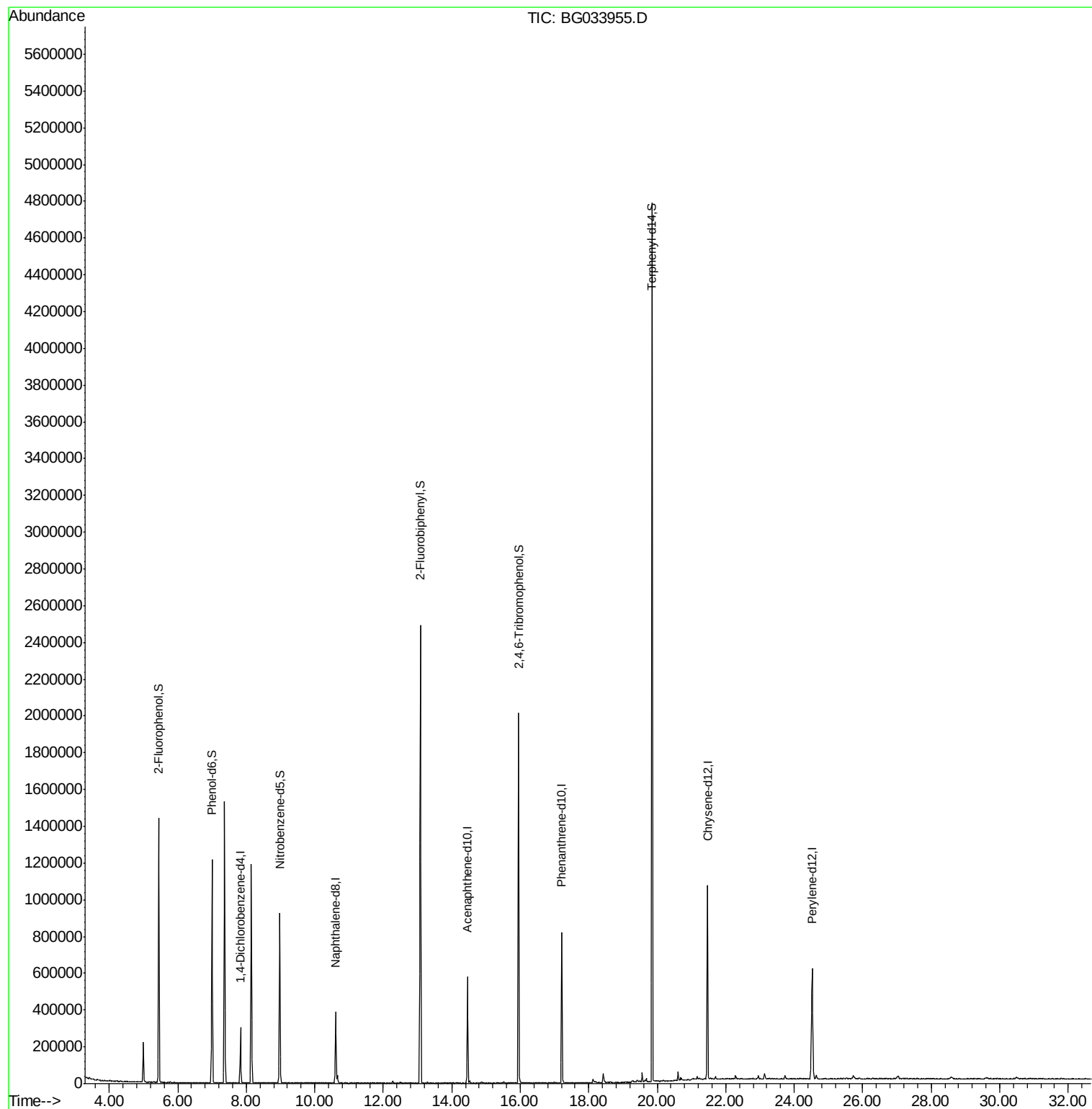
Target Compounds Qvalue

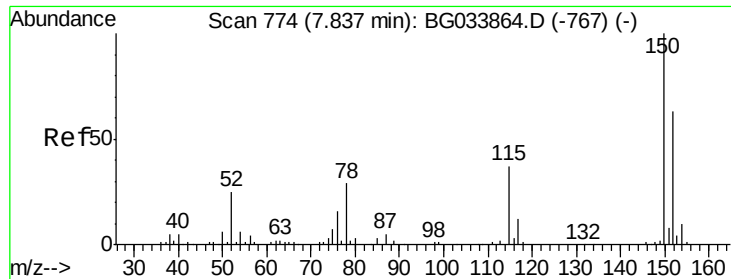
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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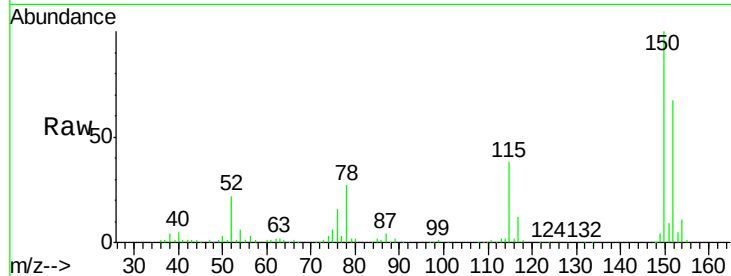


#1

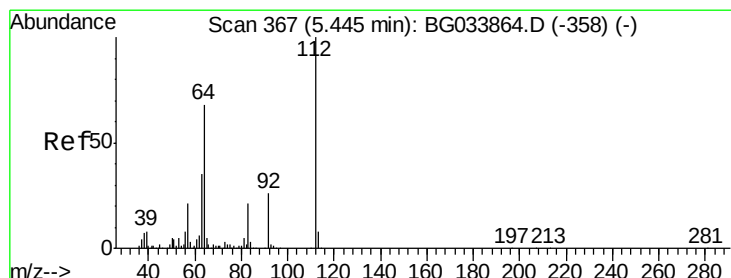
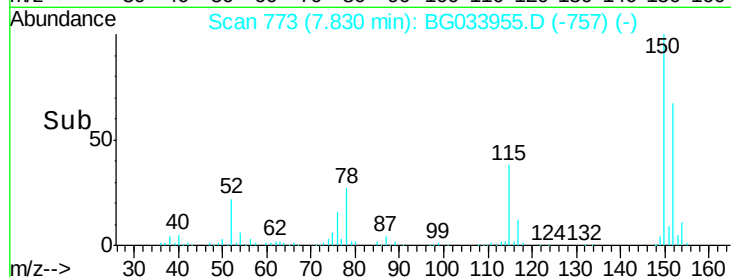
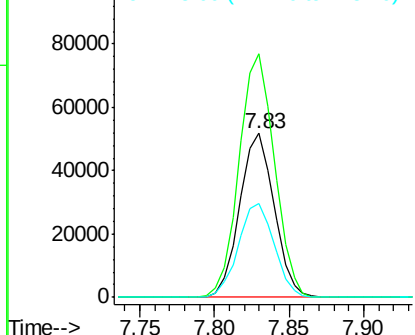
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.83 min Scan# 773  
Delta R.T. -0.01 min  
Lab File: BG033955.D  
Acq: 24 Apr 2018 15:37

Instrument :  
BNA\_G  
ClientSampleId :  
CHRT25773

Tot Ion:152 Resp: 83061  
Ion Ratio Lower Upper  
152 100  
150 148.8 126.6 189.8  
115 57.0 53.0 79.4



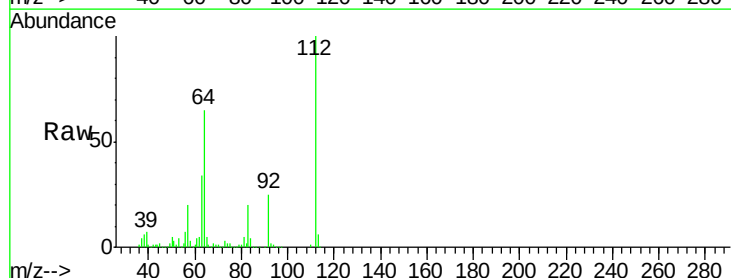
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



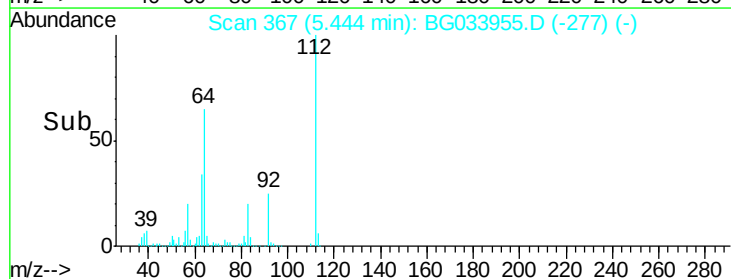
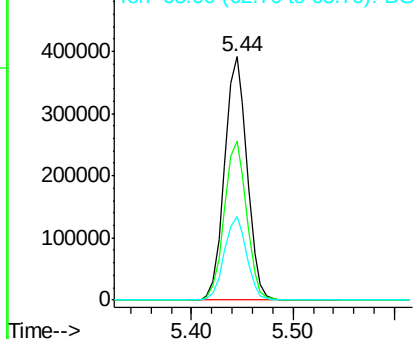
#5

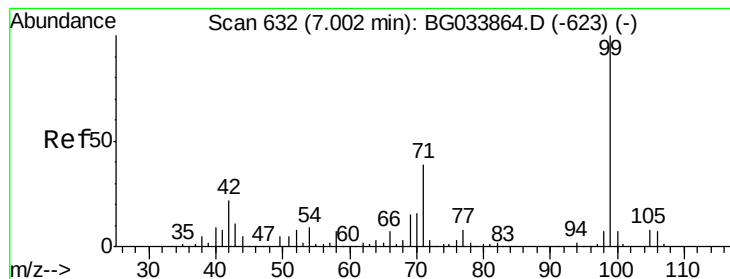
2-Fluorophenol  
Concen: 115.401 ng  
RT: 5.44 min Scan# 367  
Delta R.T. -0.00 min  
Lab File: BG033955.D  
Acq: 24 Apr 2018 15:37

Tgt Ion:112 Resp: 600386  
Ion Ratio Lower Upper  
112 100  
64 65.5 56.3 84.5  
63 34.5 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: 88.661 ng

RT: 7.00 min Scan# 632

Delta R.T. -0.00 min

Lab File: BG033955.D

Acq: 24 Apr 2018 15:37

Instrument :

BNA\_G

ClientSampleId :

CHRT25773

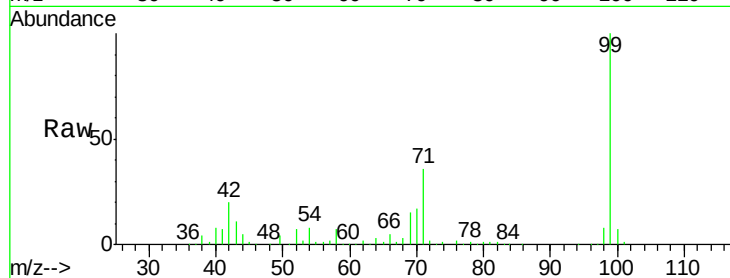
Tot Ion: 99 Resp: 672783

Ion Ratio Lower Upper

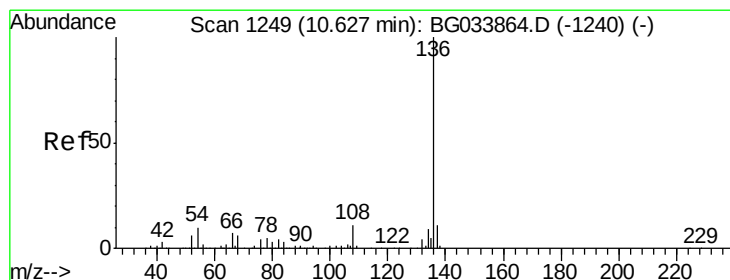
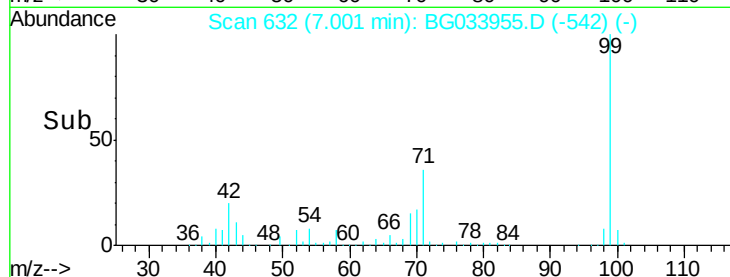
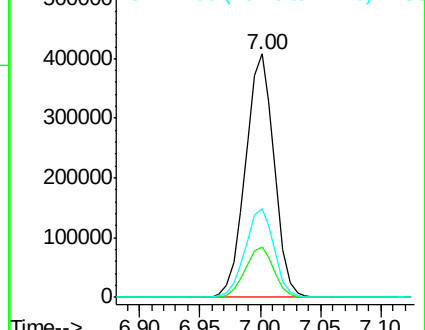
99 100

42 20.5 14.1 21.1

71 36.4 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: 10.61 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BG033955.D

Acq: 24 Apr 2018 15:37

Tgt Ion: 136 Resp: 330338

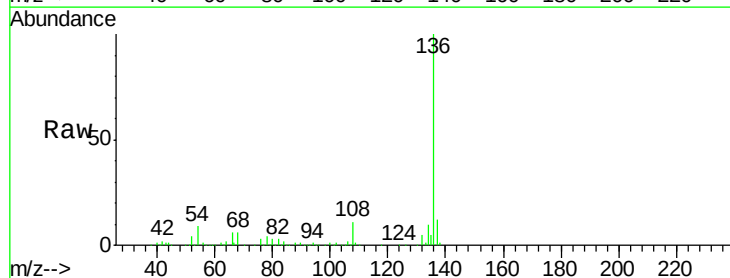
Ion Ratio Lower Upper

136 100

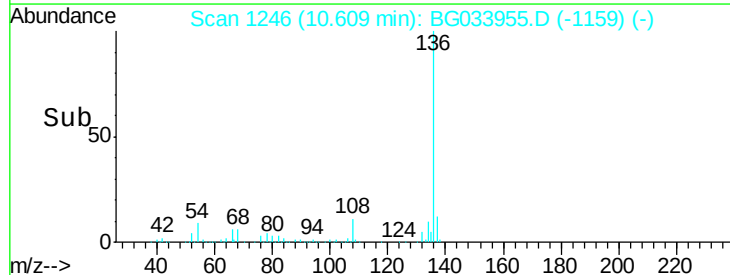
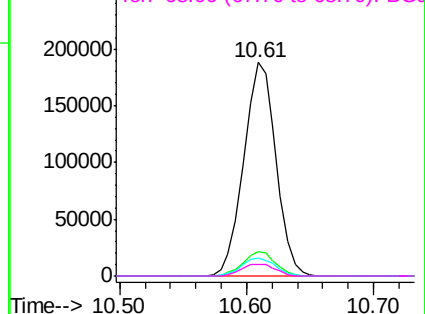
137 11.5 9.2 13.8

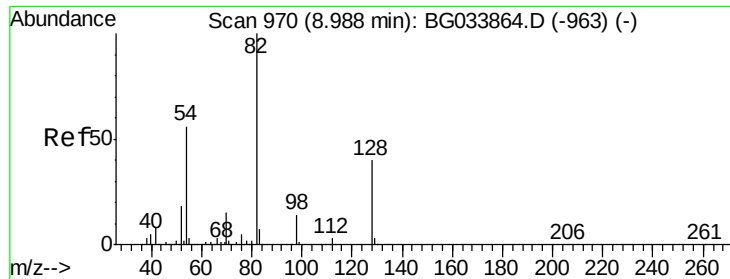
54 8.6 10.3 15.5#

68 5.5 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

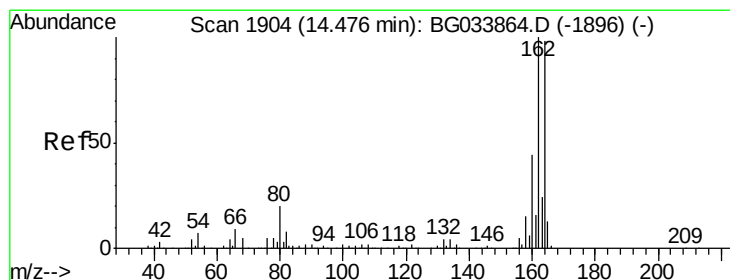
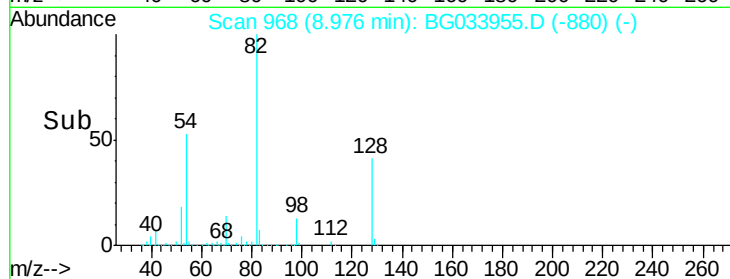
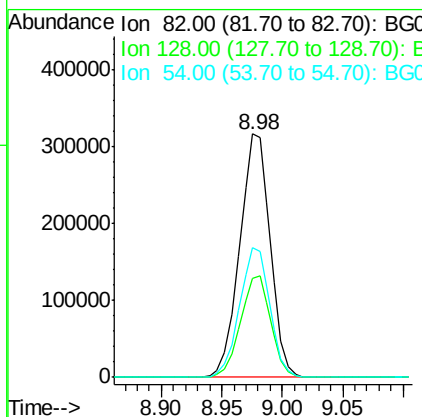
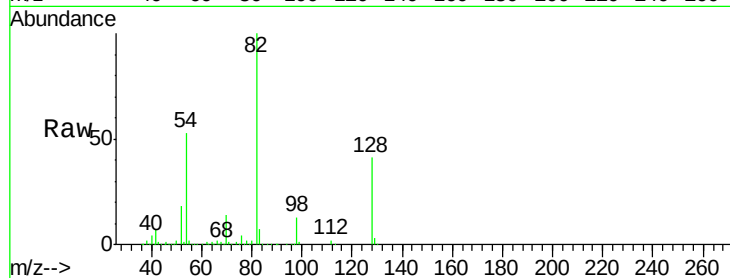




#23  
 Nitrobenzene-d5  
 Concen: 95.942 ng  
 RT: 8.98 min Scan# 968  
 Delta R.T. -0.01 min  
 Lab File: BG033955.D  
 Acq: 24 Apr 2018 15:37

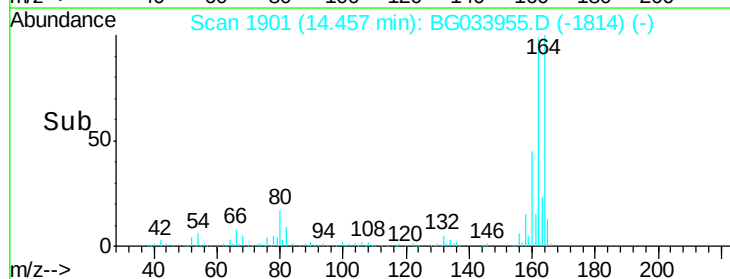
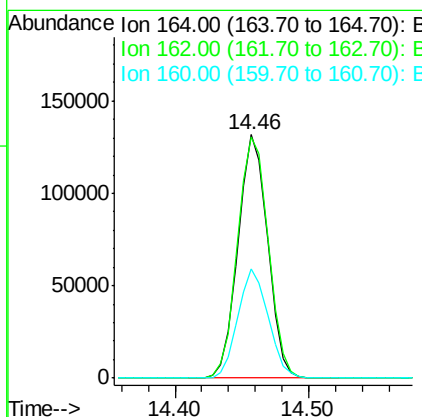
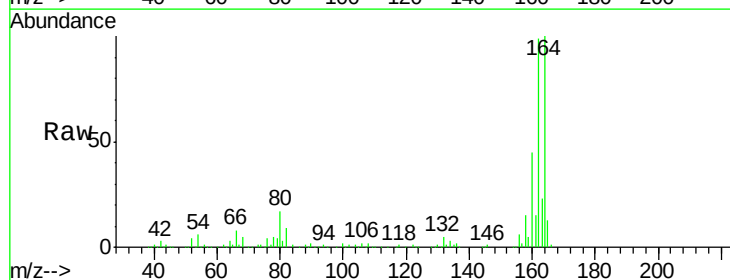
Instrument :  
 BNA\_G  
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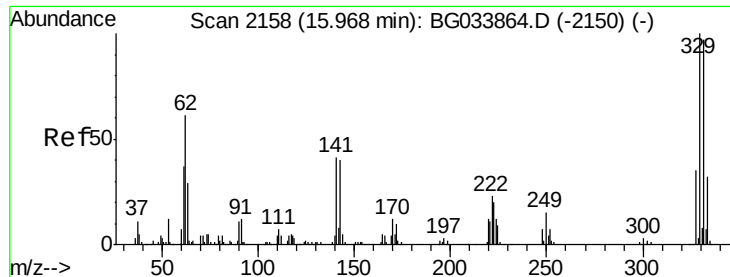
| Tot Ion   | 82    | Resp  | 556904 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 40.8  | 29.7  | 44.5   |
| 54        | 53.1  | 43.1  | 64.7   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.46 min Scan# 1901  
 Delta R.T. -0.02 min  
 Lab File: BG033955.D  
 Acq: 24 Apr 2018 15:37

| Tgt Ion   | 164   | Resp  | 201640 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 99.1  | 78.8  | 118.2  |
| 160       | 44.8  | 35.4  | 53.0   |

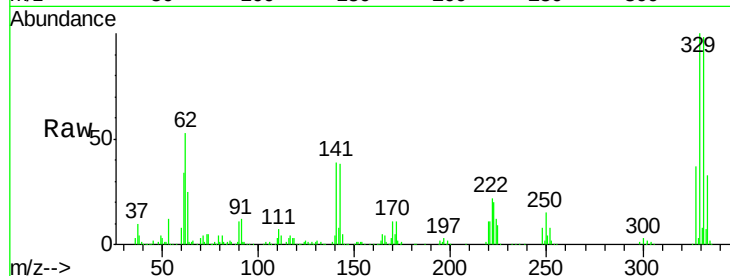




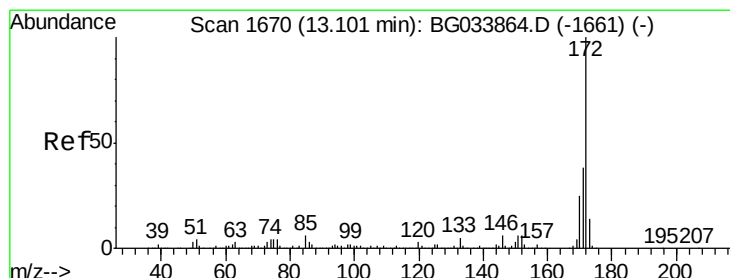
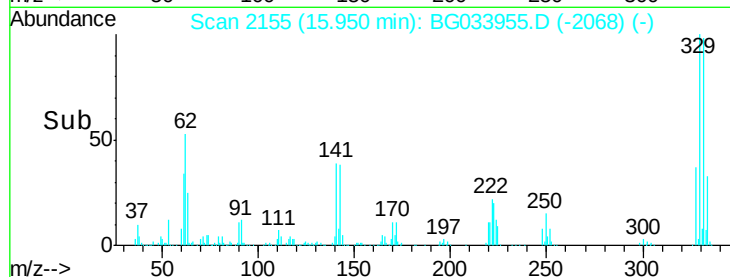
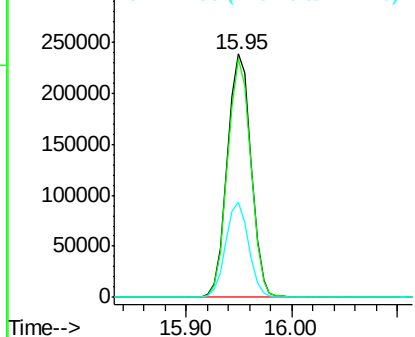
#41  
 2,4,6-Tribromophenol  
 Concen: 156.934 ng  
 RT: 15.95 min Scan# 2155  
 Delta R.T. -0.02 min  
 Lab File: BG033955.D  
 Acq: 24 Apr 2018 15:37

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CHRT25773

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 77.0  | 115.6 |
| 141     | 37.8  | 25.2  | 37.8  |

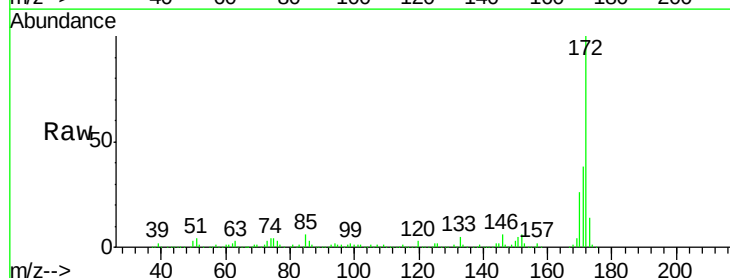


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

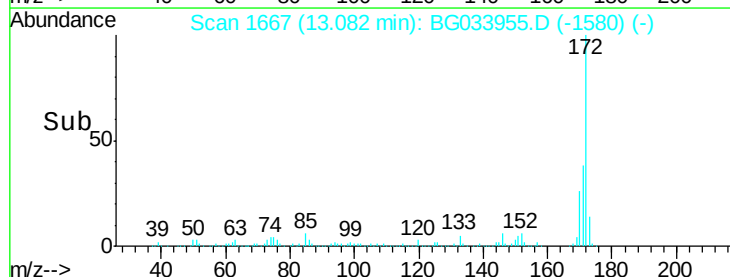
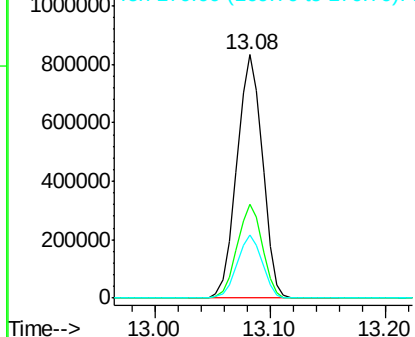


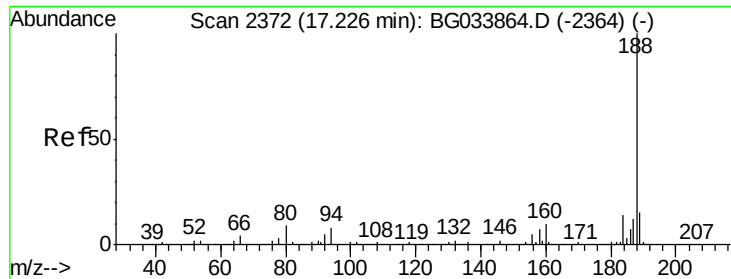
#44  
 2-Fluorobiphenyl  
 Concen: 93.160 ng  
 RT: 13.08 min Scan# 1667  
 Delta R.T. -0.02 min  
 Lab File: BG033955.D  
 Acq: 24 Apr 2018 15:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.4  | 30.0  | 45.0  |
| 170     | 25.8  | 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

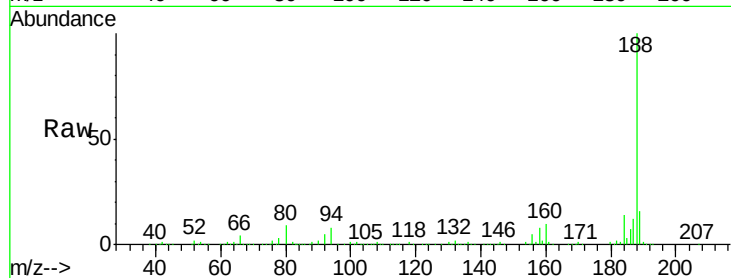




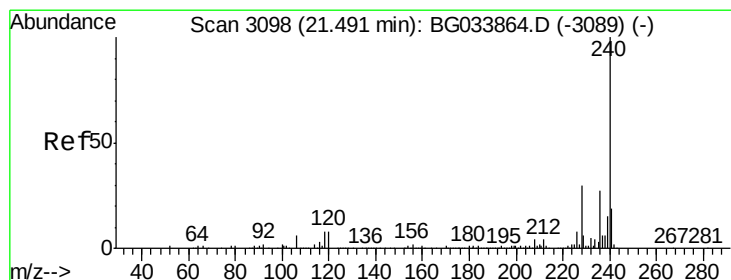
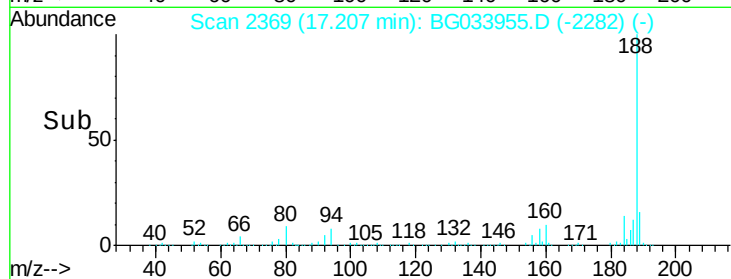
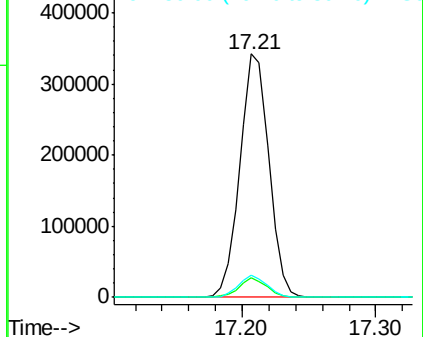
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.21 min Scan# 2369  
Delta R.T. -0.02 min  
Lab File: BG033955.D  
Acq: 24 Apr 2018 15:37

Instrument :  
BNA\_G  
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CHRT25773

Tot Ion:188 Resp: 511776  
Ion Ratio Lower Upper  
188 100  
94 8.0 6.9 10.3  
80 8.9 7.7 11.5

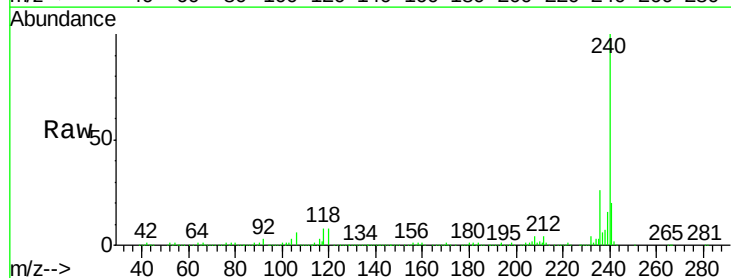


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

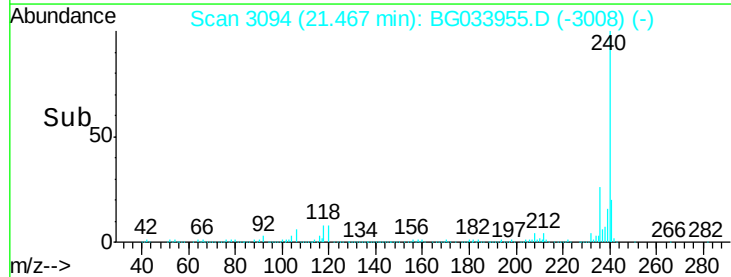
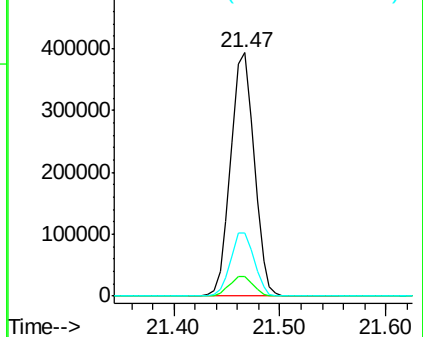


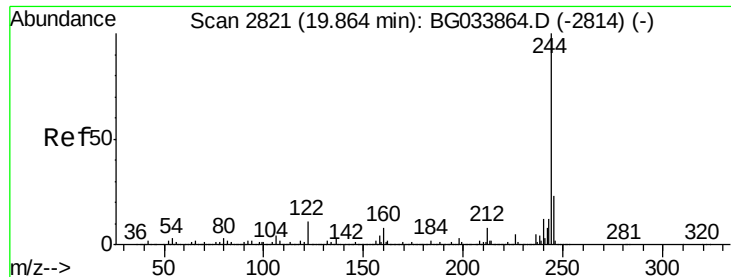
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.47 min Scan# 3094  
Delta R.T. -0.02 min  
Lab File: BG033955.D  
Acq: 24 Apr 2018 15:37

Tgt Ion:240 Resp: 602917  
Ion Ratio Lower Upper  
240 100  
120 8.0 6.8 10.2  
236 25.7 20.9 31.3



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: 85.084 ng

RT: 19.85 min Scan# 2818

Delta R.T. -0.02 min

Lab File: BG033955.D

Acq: 24 Apr 2018 15:37

Instrument :

BNA\_G

ClientSampleId :

CHRT25773

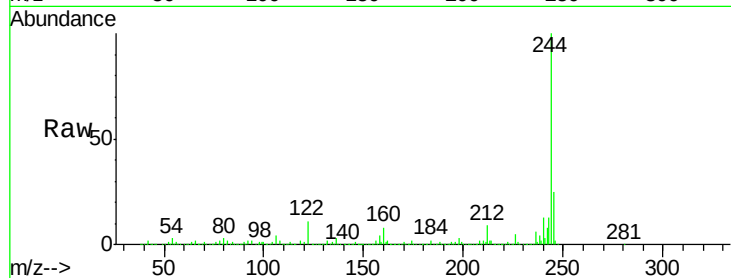
Tot Ion:244 Resp: 2283373

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

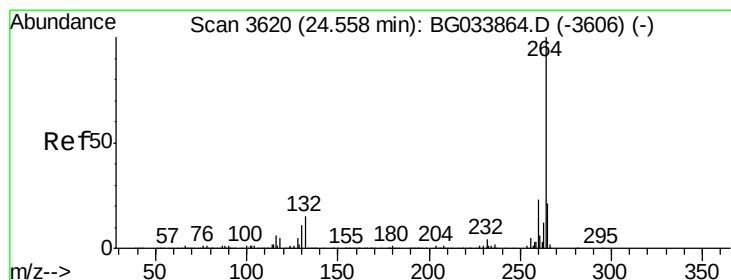
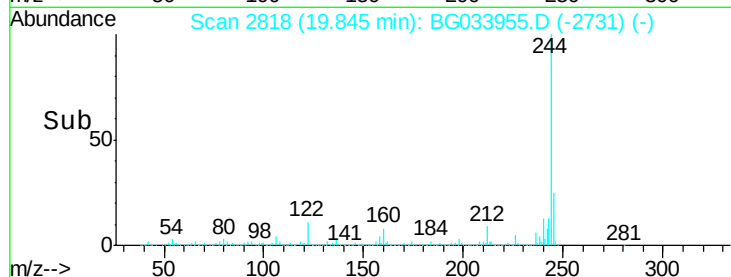
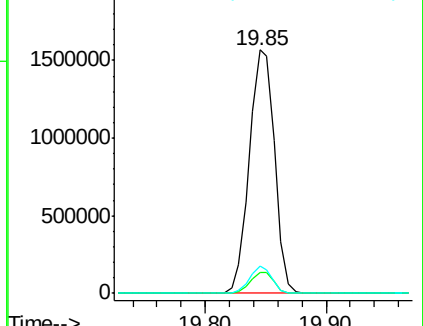
122 11.0 7.0 10.4#



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: 24.52 min Scan# 3614

Delta R.T. -0.04 min

Lab File: BG033955.D

Acq: 24 Apr 2018 15:37

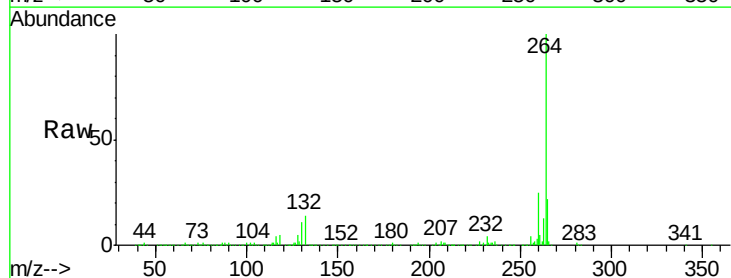
Tgt Ion:264 Resp: 606580

Ion Ratio Lower Upper

264 100

260 24.6 17.4 26.0

265 22.2 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

