

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\  
 Data File : BG041344.D  
 Acq On : 20 Jun 2019 3:05  
 Operator : HP/JU  
 Sample : K3421-04  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SAMPLE-1

Quant Time: Jun 20 05:55:36 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 17 14:58:02 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.08  | 152  | 37976    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.90 | 136  | 142267   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.72 | 164  | 100478   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.47 | 188  | 234028   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.74 | 240  | 222479   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 25.06 | 264  | 216614   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 257882   | 124.77 | ng    | 0.00     |
| 7) Phenol-d6                | 7.24  | 99   | 332825   | 111.09 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.26  | 82   | 313412   | 92.65  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.21 | 330  | 208252   | 135.00 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.34 | 172  | 698285   | 94.46  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.06 | 244  | 1136768  | 101.26 | ng    | 0.00     |

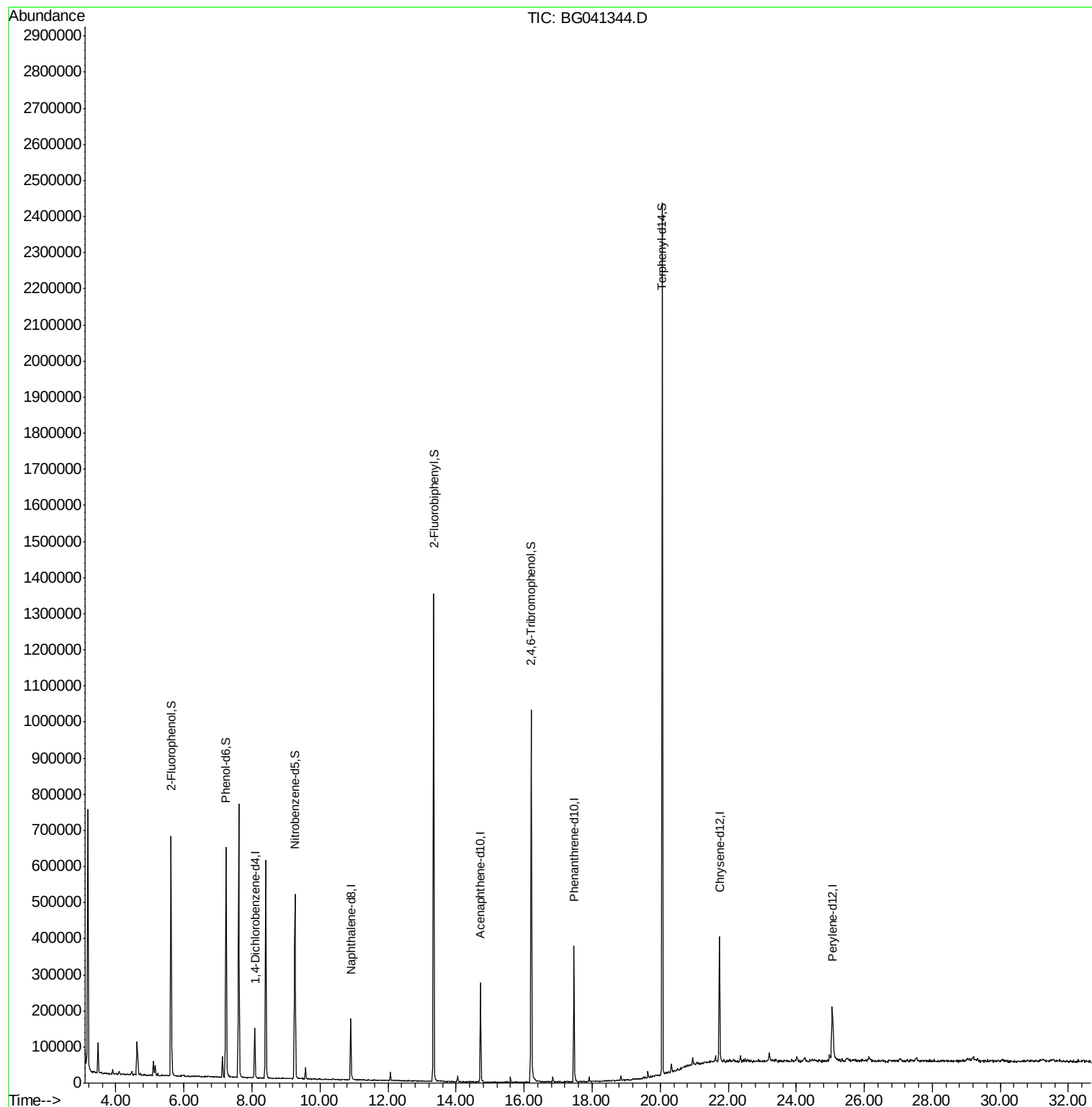
Target Compounds Qvalue

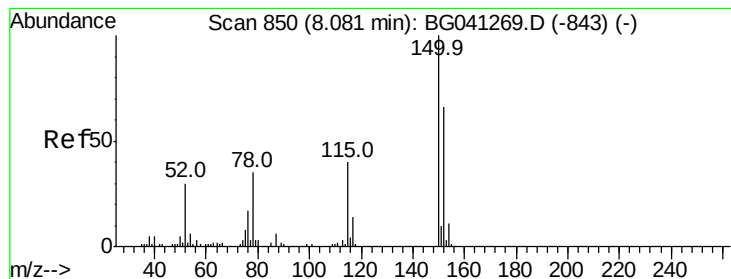
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 23 Sample Multiplier: 1

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SAMPLE-1

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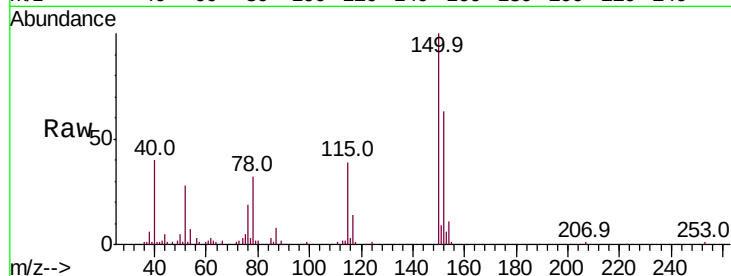


#1

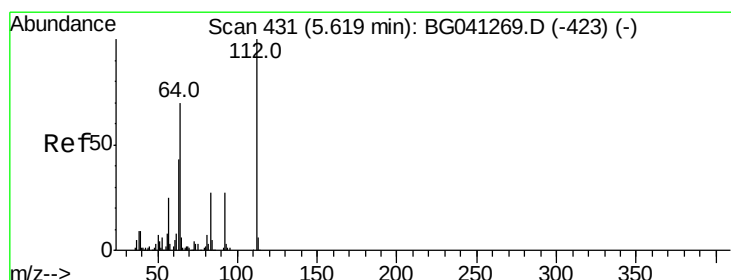
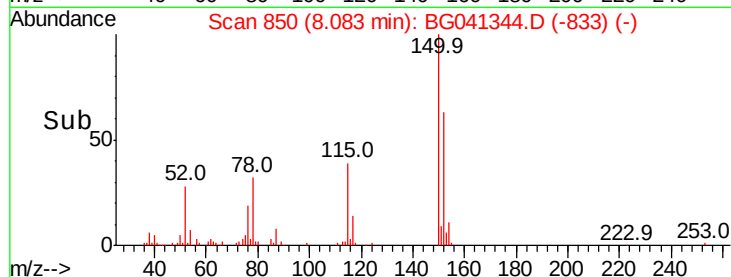
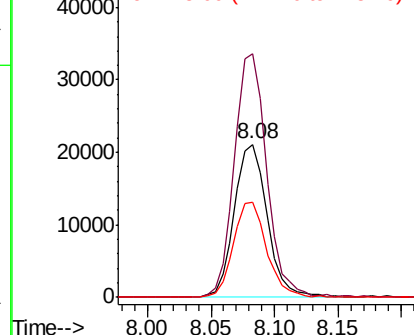
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.08 min Scan# 850  
Delta R.T. 0.00 min  
Lab File: BG041344.D  
Acq: 20 Jun 2019 3:05

Instrument :  
BNA\_G  
ClientSampleId :  
SAMPLE-1

Tot Ion:152 Resp: 37976  
Ion Ratio Lower Upper  
152 100  
150 159.2 120.6 181.0  
115 62.1 47.9 71.9



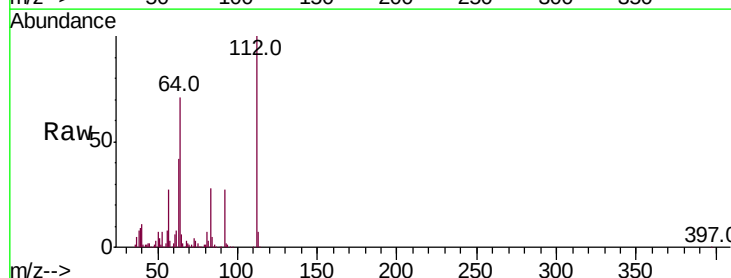
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



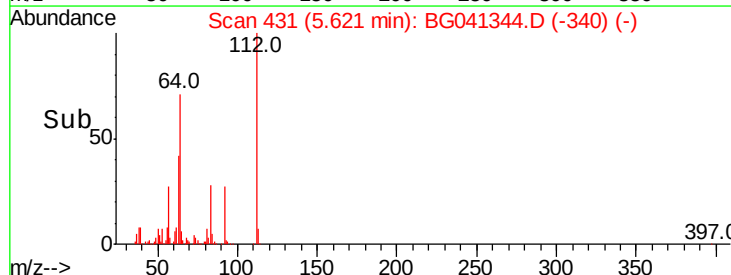
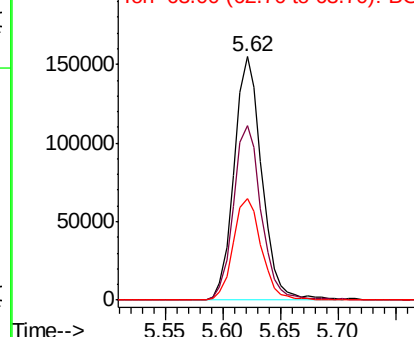
#5

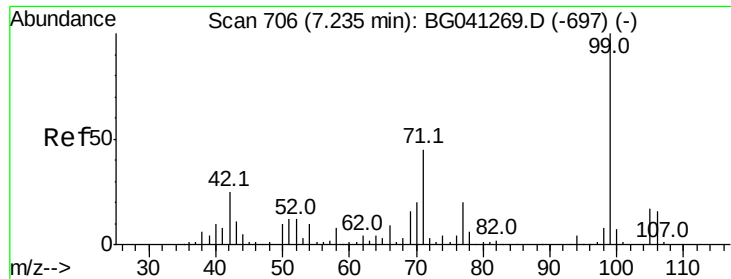
2-Fluorophenol  
Concen: 124.773 ng  
RT: 5.62 min Scan# 431  
Delta R.T. 0.00 min  
Lab File: BG041344.D  
Acq: 20 Jun 2019 3:05

Tgt Ion:112 Resp: 257882  
Ion Ratio Lower Upper  
112 100  
64 71.4 55.9 83.9  
63 41.7 34.6 51.8



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: 111.095 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG041344.D

Acq: 20 Jun 2019 3:05

Instrument :

BNA\_G

ClientSampleId :

SAMPLE-1

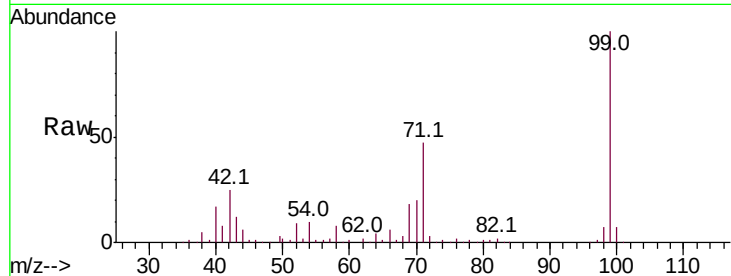
Tot Ion: 99 Resp: 332825

Ion Ratio Lower Upper

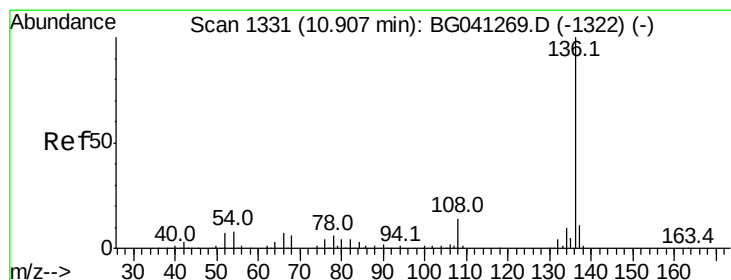
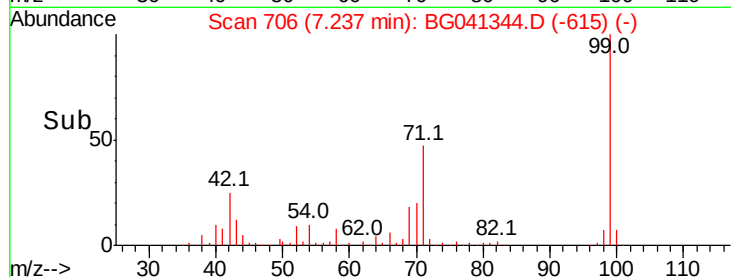
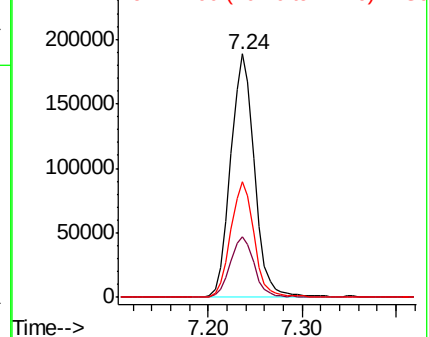
99 100

42 25.0 19.9 29.9

71 47.3 36.4 54.6



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: 10.90 min Scan# 1330

Delta R.T. -0.00 min

Lab File: BG041344.D

Acq: 20 Jun 2019 3:05

Tgt Ion: 136 Resp: 142267

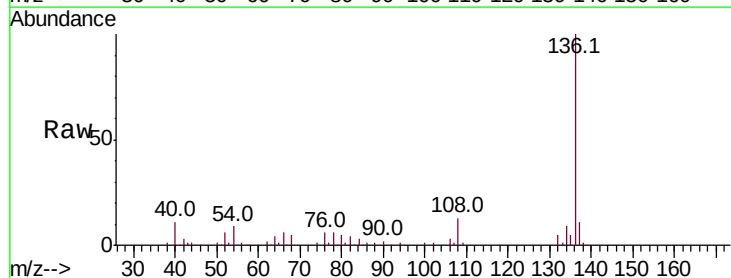
Ion Ratio Lower Upper

136 100

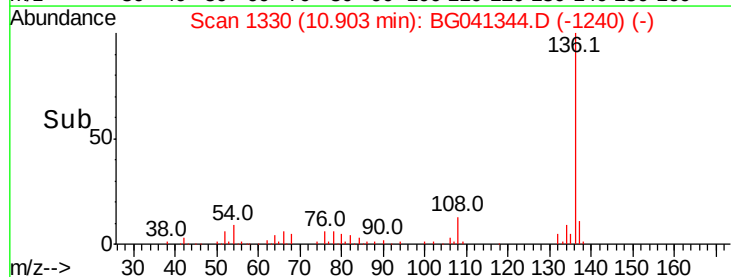
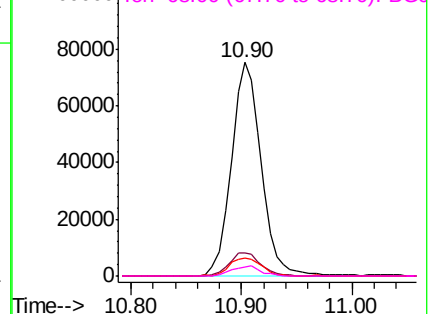
137 10.9 8.8 13.2

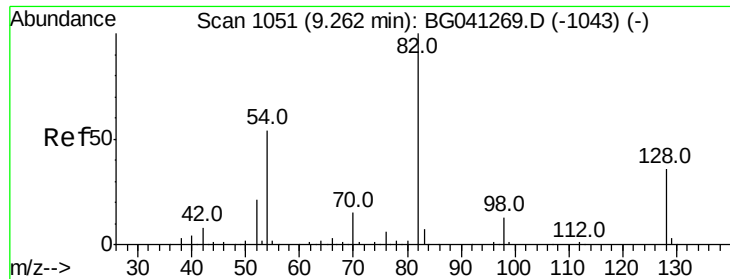
54 8.5 6.4 9.6

68 4.5 4.8 7.2#



Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

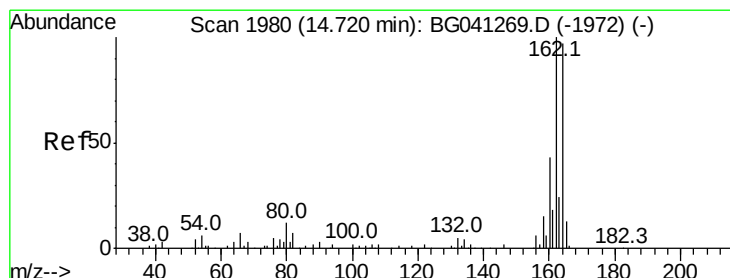
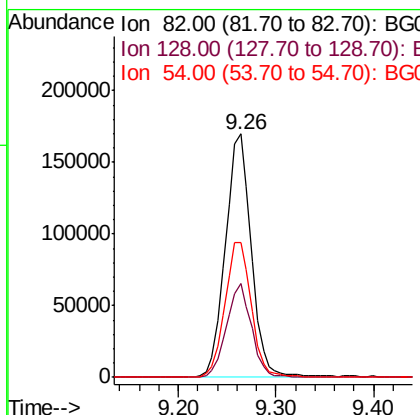
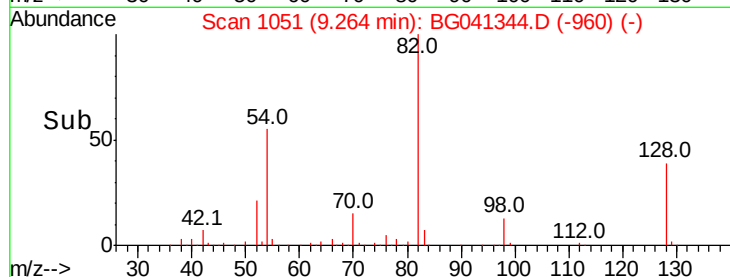
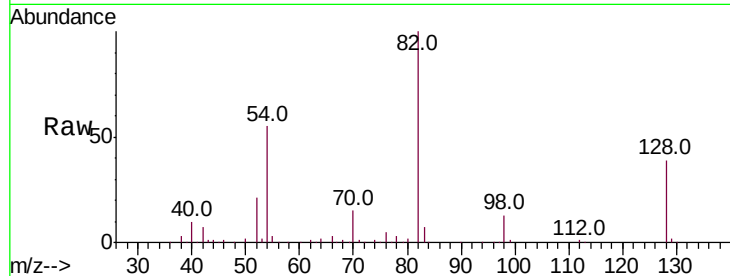




#23  
 Nitrobenzene-d5  
 Concen: 92.649 ng  
 RT: 9.26 min Scan# 1051  
 Delta R.T. 0.00 min  
 Lab File: BG041344.D  
 Acq: 20 Jun 2019 3:05

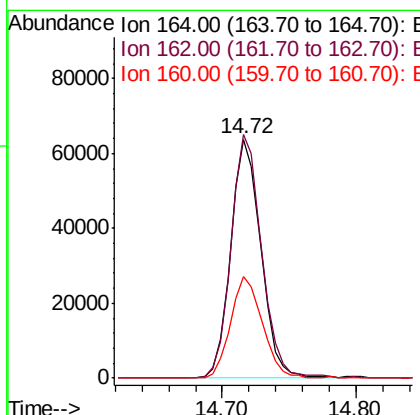
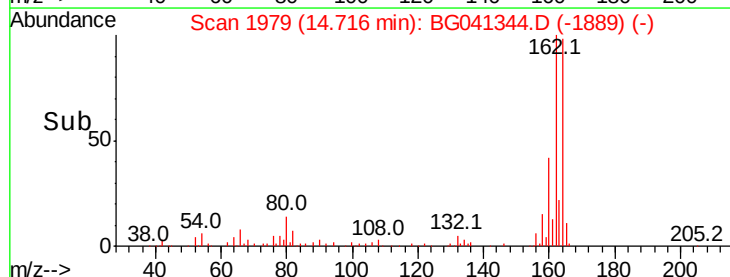
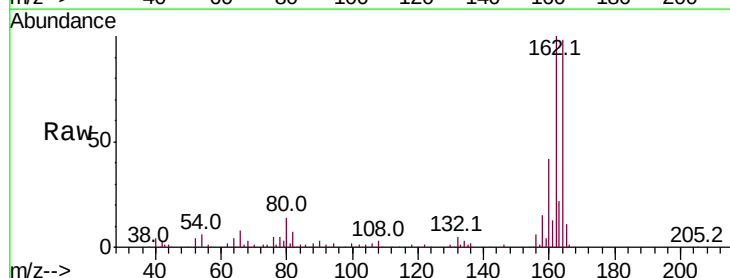
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SAMPLE-1

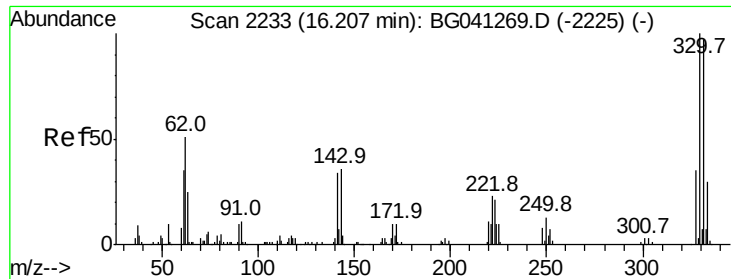
Tot Ion: 82 Resp: 313412  
 Ion Ratio Lower Upper  
 82 100  
 128 38.7 29.2 43.8  
 54 55.4 43.4 65.0



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.72 min Scan# 1979  
 Delta R.T. -0.00 min  
 Lab File: BG041344.D  
 Acq: 20 Jun 2019 3:05

Tgt Ion: 164 Resp: 100478  
 Ion Ratio Lower Upper  
 164 100  
 162 102.0 82.8 124.2  
 160 42.5 35.8 53.8

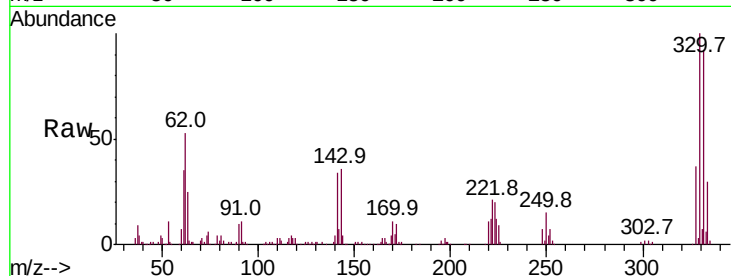




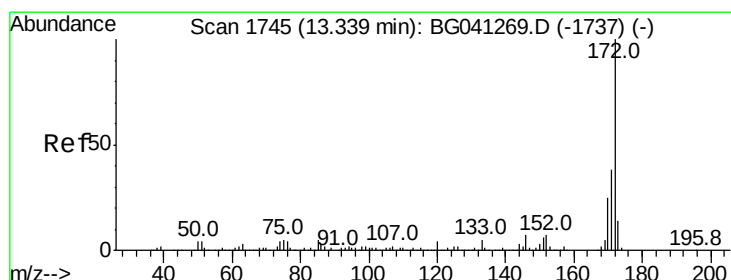
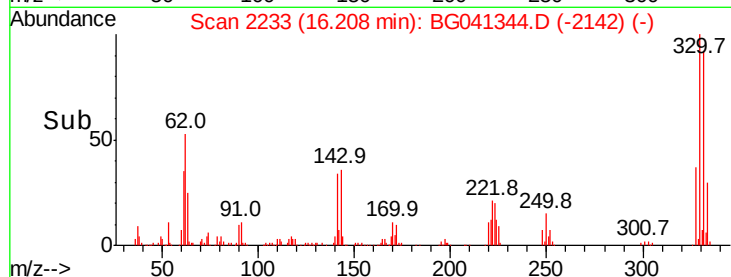
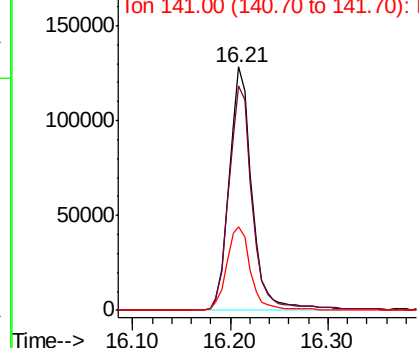
#42  
 2,4,6-Tribromophenol  
 Concen: 135.004 ng  
 RT: 16.21 min Scan# 2233  
 Delta R.T. 0.00 min  
 Lab File: BG041344.D  
 Acq: 20 Jun 2019 3:05

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SAMPLE-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 93.6  | 75.5  | 113.3 |
| 141     | 36.3  | 29.0  | 43.4  |

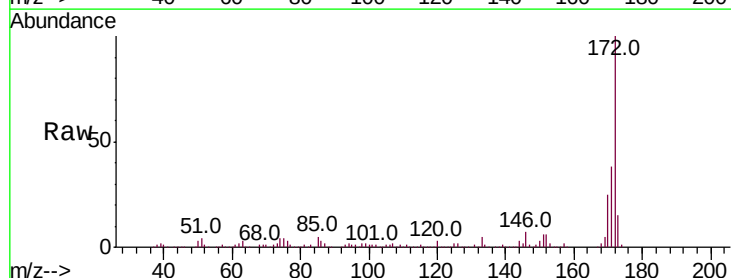


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

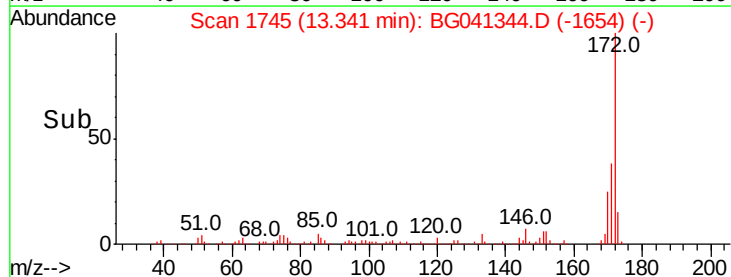
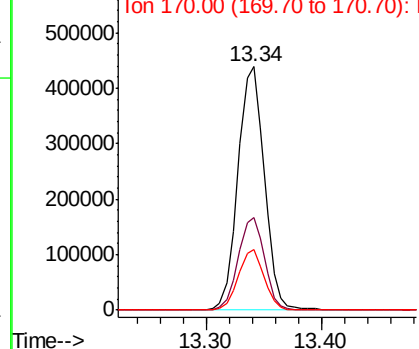


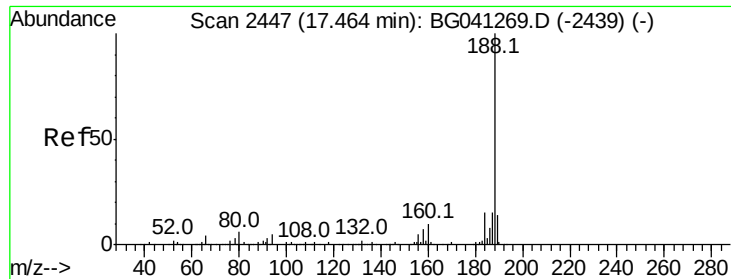
#45  
 2-Fluorobiphenyl  
 Concen: 94.456 ng  
 RT: 13.34 min Scan# 1745  
 Delta R.T. 0.00 min  
 Lab File: BG041344.D  
 Acq: 20 Jun 2019 3:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.0  | 30.0  | 45.0  |
| 170     | 24.8  | 19.8  | 29.6  |



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: 17.47 min Scan# 2447

Delta R.T. 0.00 min

Lab File: BG041344.D

Acq: 20 Jun 2019 3:05

Instrument :

BNA\_G

ClientSampleId :

SAMPLE-1

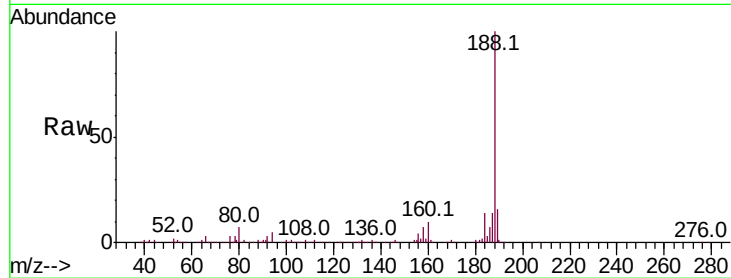
Tot Ion:188 Resp: 234028

Ion Ratio Lower Upper

188 100

94 5.2 3.6 5.4

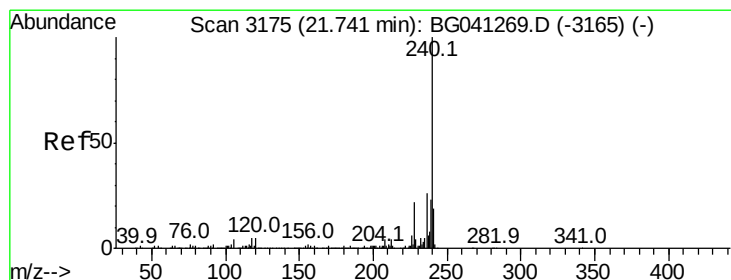
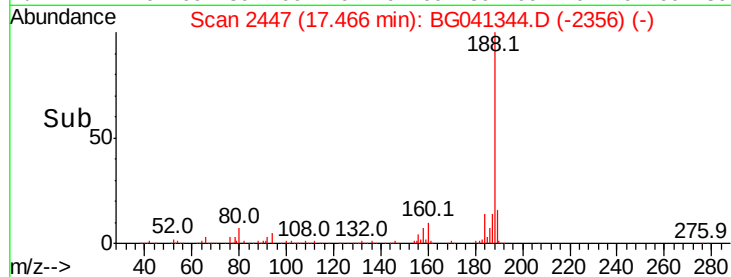
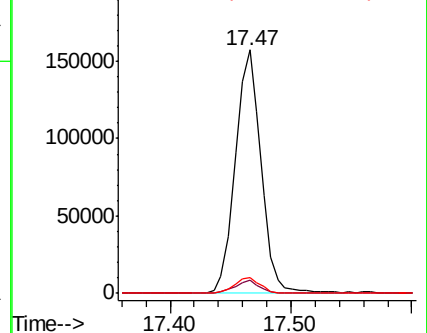
80 6.5 4.8 7.2



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.74 min Scan# 3175

Delta R.T. 0.00 min

Lab File: BG041344.D

Acq: 20 Jun 2019 3:05

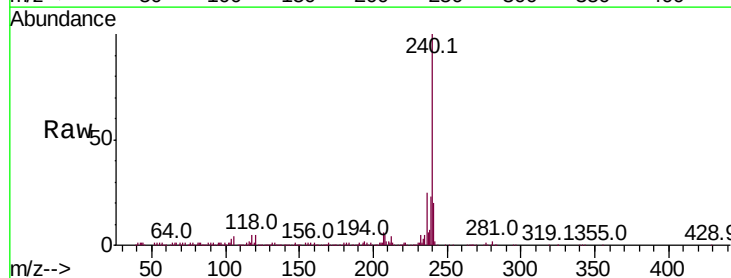
Tgt Ion:240 Resp: 222479

Ion Ratio Lower Upper

240 100

120 4.8 3.7 5.5

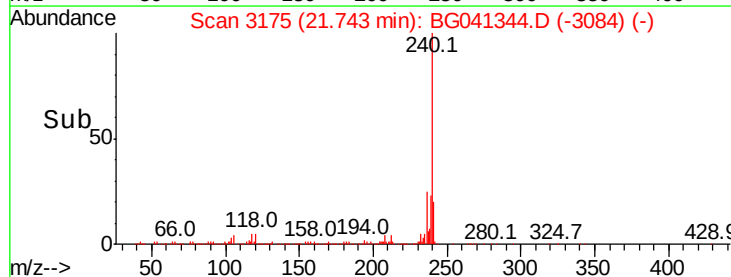
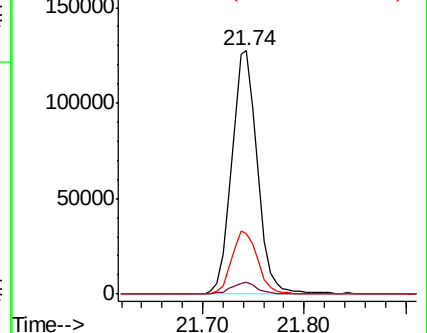
236 24.9 21.1 31.7

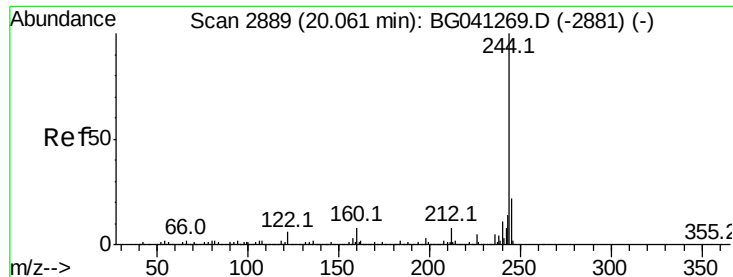


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 101.261 ng

RT: 20.06 min Scan# 2889

Delta R.T. 0.00 min

Lab File: BG041344.D

Acq: 20 Jun 2019 3:05

Instrument :

BNA\_G

ClientSampled :

SAMPLE-1

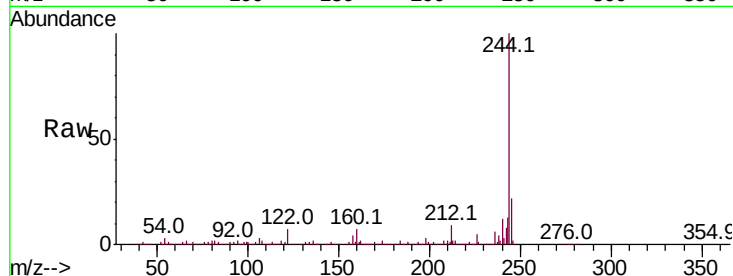
Tot Ion:244 Resp: 1136768

Ion Ratio Lower Upper

244 100

212 8.9 6.6 10.0

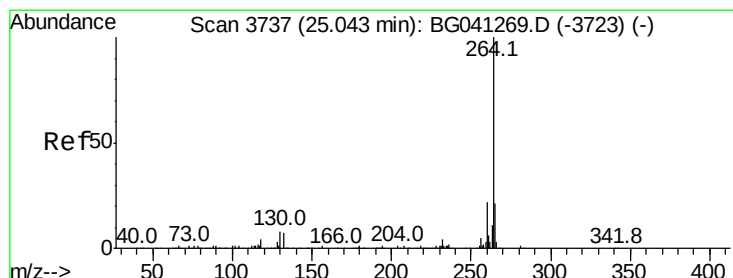
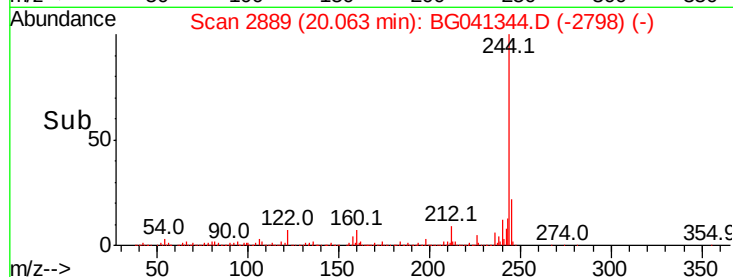
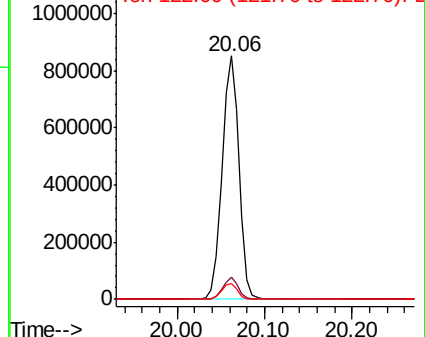
122 6.5 5.0 7.4



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: 25.06 min Scan# 3739

Delta R.T. 0.01 min

Lab File: BG041344.D

Acq: 20 Jun 2019 3:05

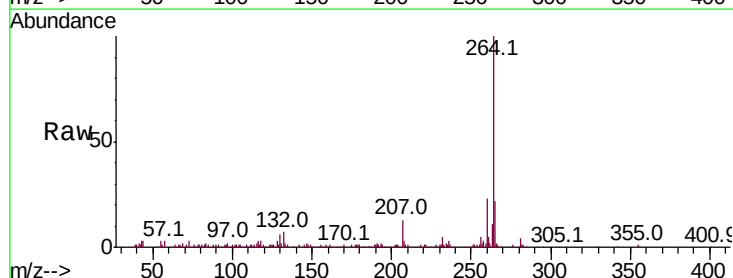
Tgt Ion:264 Resp: 216614

Ion Ratio Lower Upper

264 100

260 22.7 17.4 26.2

265 22.2 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

