

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG102816\  
 Data File : BG024543.D  
 Acq On : 28 Oct 2016 17:43  
 Operator : UM/SJ  
 Sample : H5420-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HSR-WC-72-102616

Quant Time: Oct 28 23:44:10 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG102516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 26 11:14:13 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.27  | 152  | 113489   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.10 | 136  | 435847   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.89 | 164  | 309583   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.63 | 188  | 722342   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.92 | 240  | 1011690  | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.36 | 264  | 684209   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.80  | 112  | 868569   | 125.44 | ng    | 0.00     |
| 7) Phenol-d6                | 7.40  | 99   | 1124606  | 118.40 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.45  | 82   | 949469   | 99.18  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.37 | 330  | 719718   | 155.61 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.51 | 172  | 1792476  | 96.23  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.21 | 244  | 3260830  | 96.31  | ng    | 0.00     |

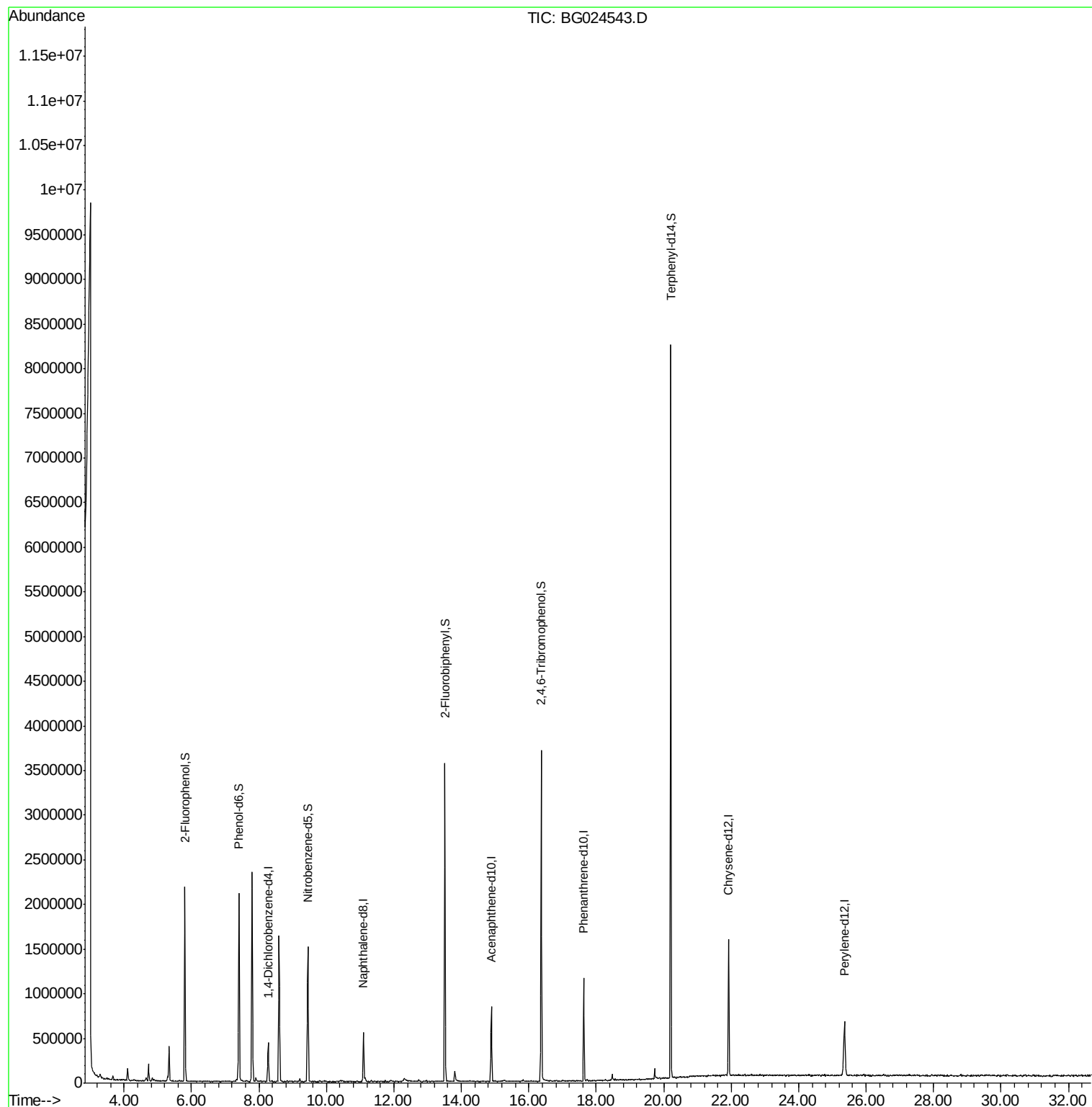
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

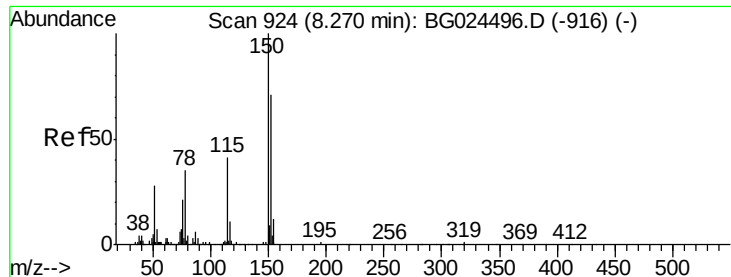
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 26 11:14:13 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.27 min Scan# 925

Delta R.T. 0.00 min

Lab File: BG024543.D

Acq: 28 Oct 2016 17:43

Instrument :

BNA\_G

ClientSampleId :

HSR-WC-72-102616

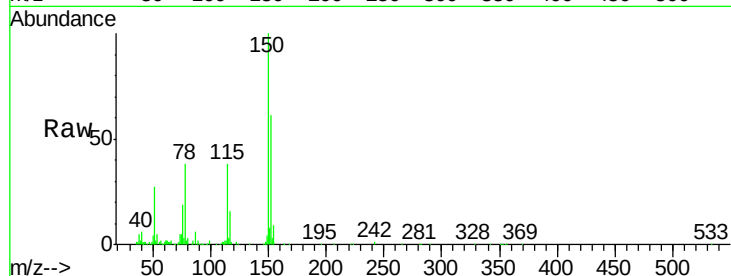
Tgt Ion:152 Resp: 113489

Ion Ratio Lower Upper

152 100

150 165.3 114.0 171.0

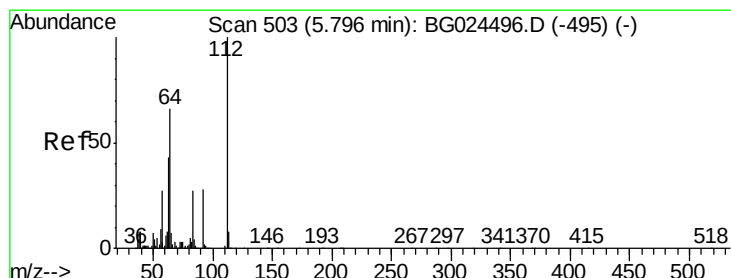
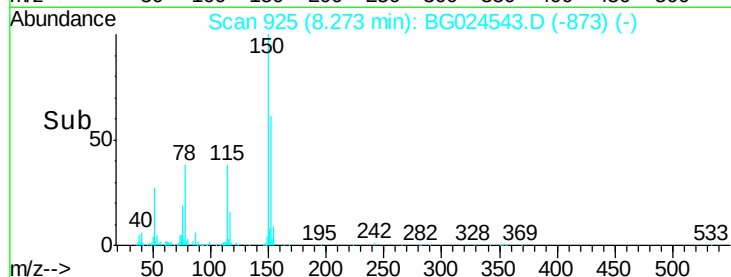
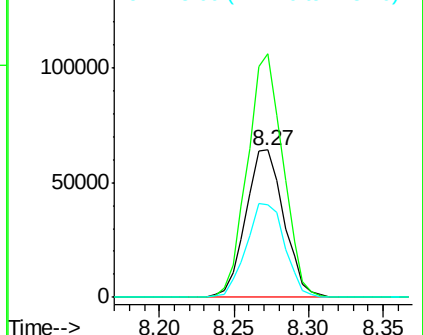
115 62.7 48.1 72.1



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: 125.44 ng

RT: 5.80 min Scan# 505

Delta R.T. 0.01 min

Lab File: BG024543.D

Acq: 28 Oct 2016 17:43

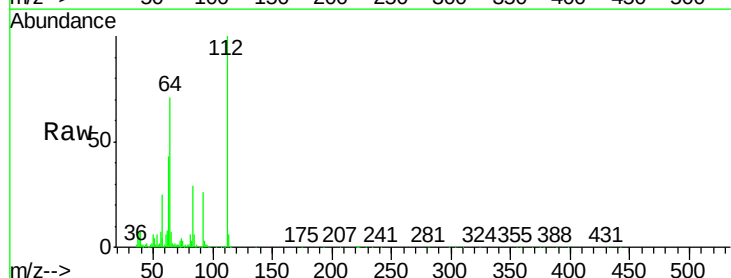
Tgt Ion:112 Resp: 868569

Ion Ratio Lower Upper

112 100

64 71.4 61.8 92.6

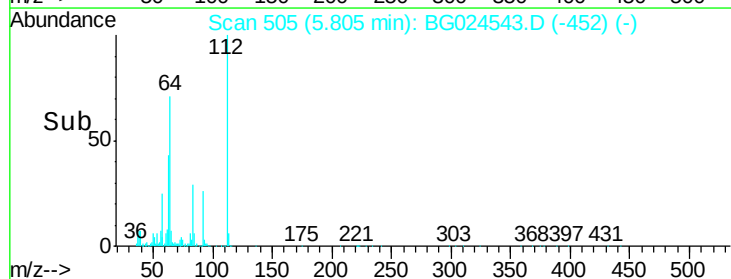
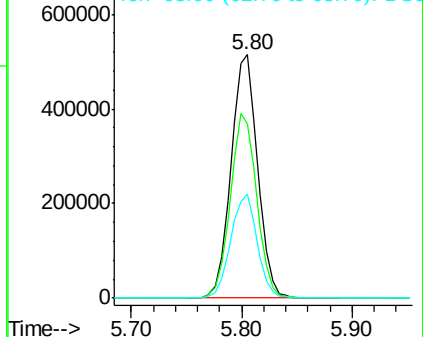
63 42.8 37.2 55.8

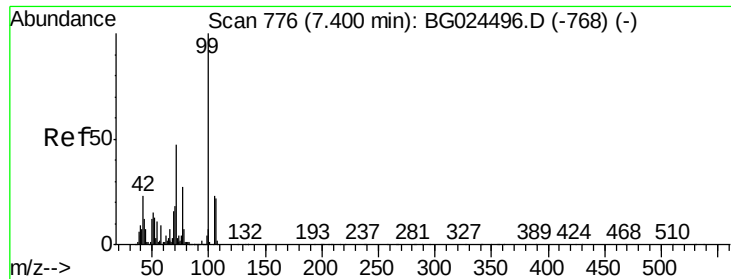


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 118.40 ng

RT: 7.40 min Scan# 777

Delta R.T. 0.00 min

Lab File: BG024543.D

Acq: 28 Oct 2016 17:43

Instrument :

BNA\_G

ClientSampleId :

HSR-WC-72-102616

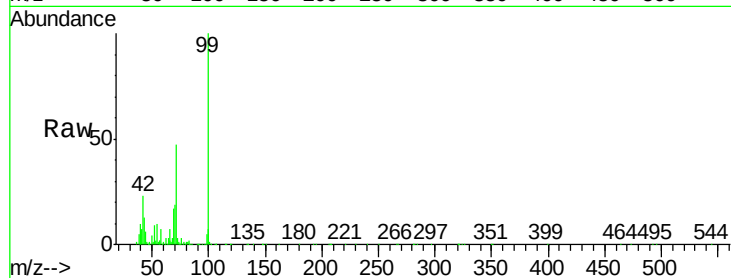
Tgt Ion: 99 Resp: 1124606

Ion Ratio Lower Upper

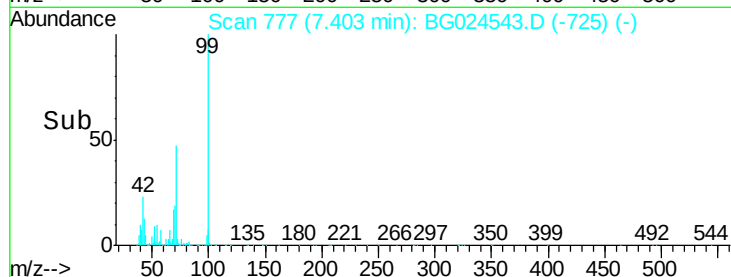
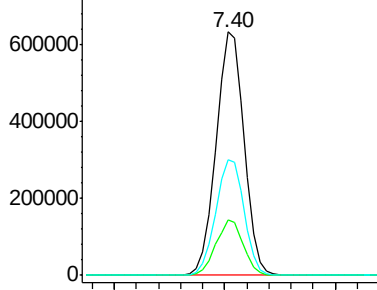
99 100

42 22.8 20.5 30.7

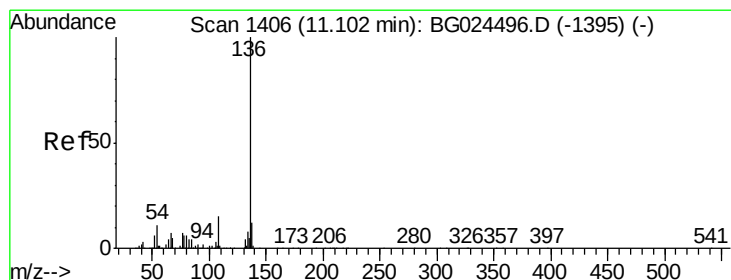
71 47.5 37.6 56.4



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



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.10 min Scan# 1406

Delta R.T. -0.00 min

Lab File: BG024543.D

Acq: 28 Oct 2016 17:43

Tgt Ion: 136 Resp: 435847

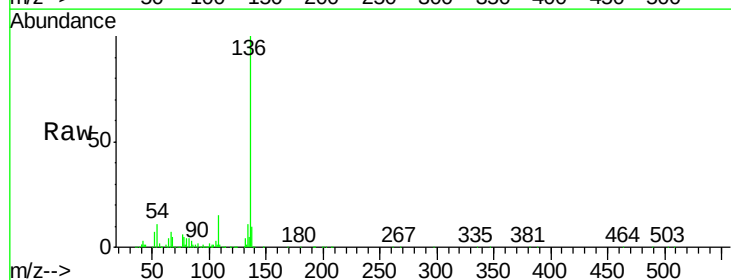
Ion Ratio Lower Upper

136 100

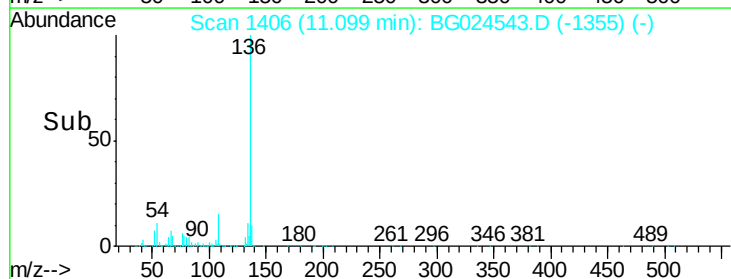
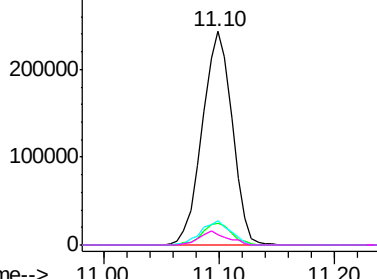
137 10.1 8.9 13.3

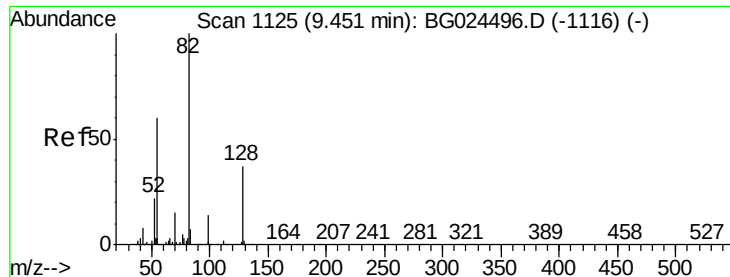
54 11.2 9.3 13.9

68 4.7 5.1 7.7#



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

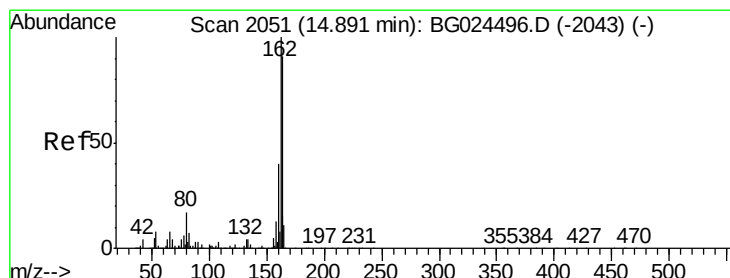
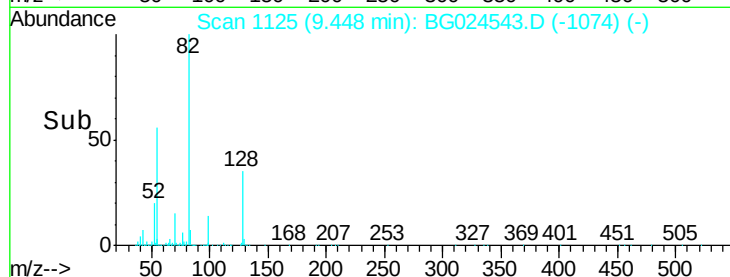
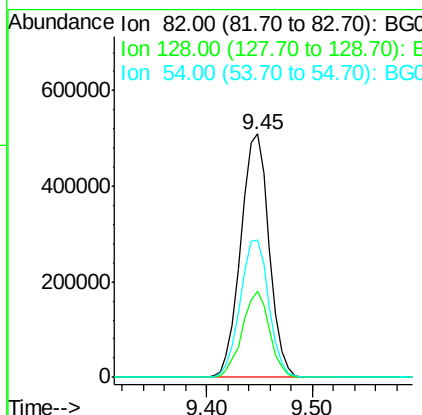
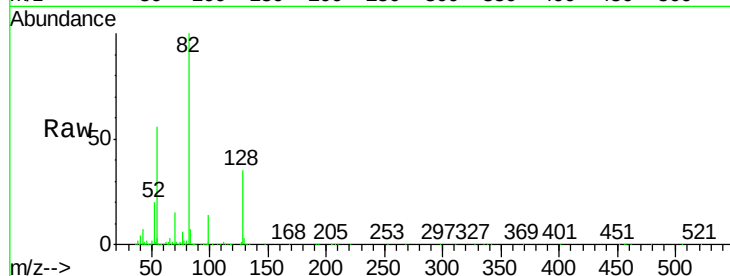




#23  
 Nitrobenzene-d5  
 Concen: 99.18 ng  
 RT: 9.45 min Scan# 1125  
 Delta R.T. -0.00 min  
 Lab File: BG024543.D  
 Acq: 28 Oct 2016 17:43

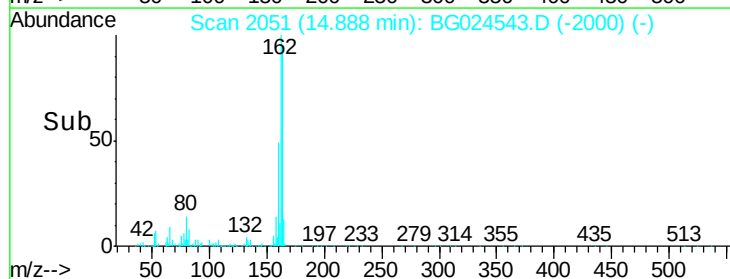
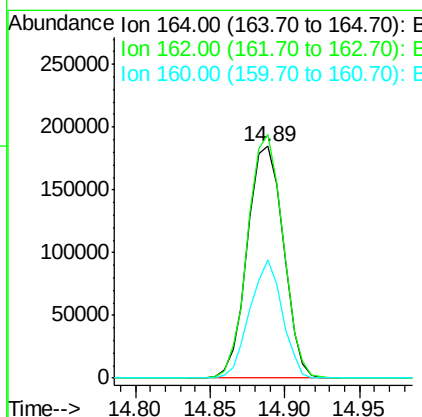
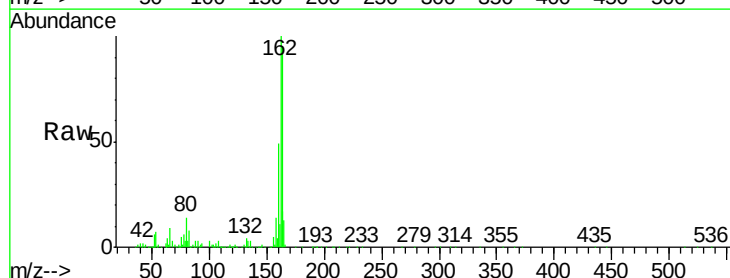
Instrument :  
 BNA\_G  
 ClientSampleId :  
 HSR-WC-72-102616

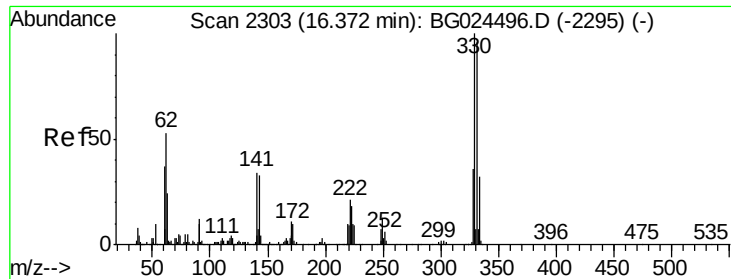
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 35.3  | 26.4  | 39.6  |
| 54      | 56.2  | 49.4  | 74.2  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.89 min Scan# 2051  
 Delta R.T. -0.00 min  
 Lab File: BG024543.D  
 Acq: 28 Oct 2016 17:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.0 | 85.1  | 127.7 |
| 160     | 51.2  | 34.7  | 52.1  |

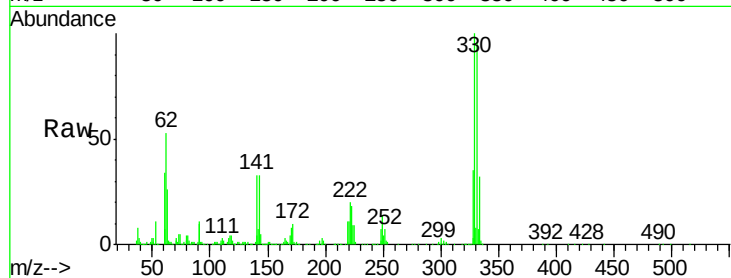




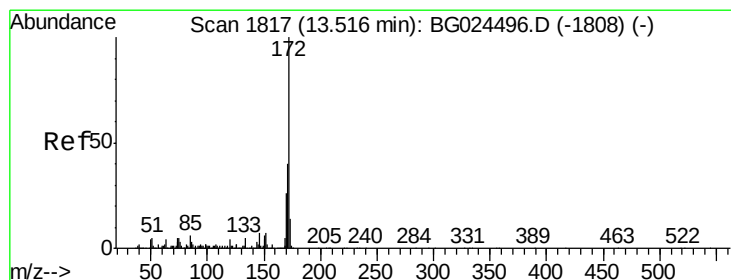
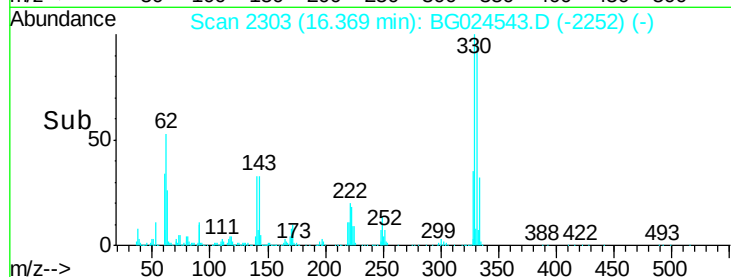
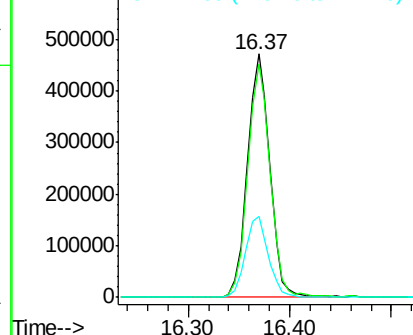
#41  
2,4,6-Tribromophenol  
Concen: 155.61 ng  
RT: 16.37 min Scan# 2303  
Delta R.T. -0.00 min  
Lab File: BG024543.D  
Acq: 28 Oct 2016 17:43

Instrument :  
BNA\_G  
ClientSampleId :  
HSR-WC-72-102616

Tgt Ion:330 Resp: 719718  
Ion Ratio Lower Upper  
330 100  
332 96.2 77.3 115.9  
141 34.2 32.1 48.1

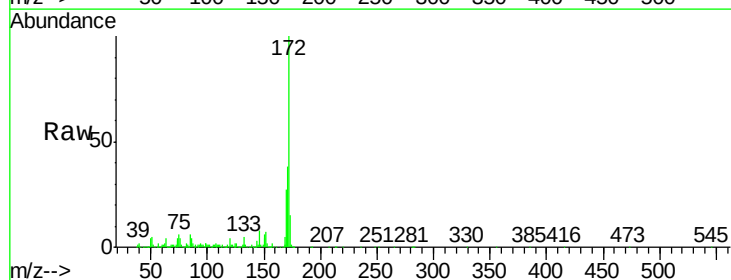


Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

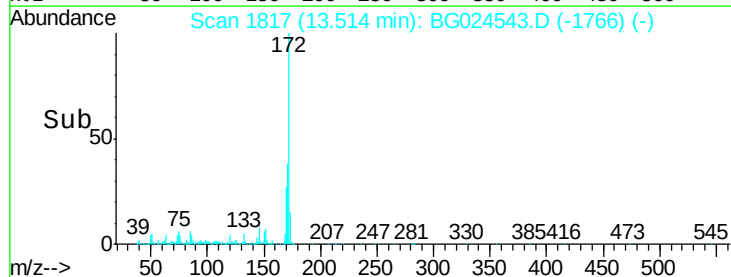
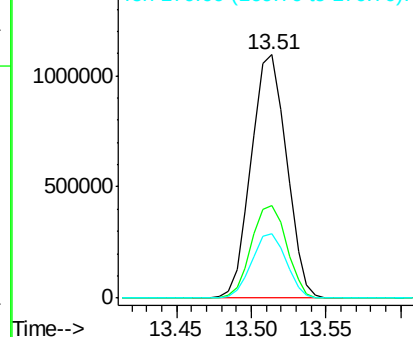


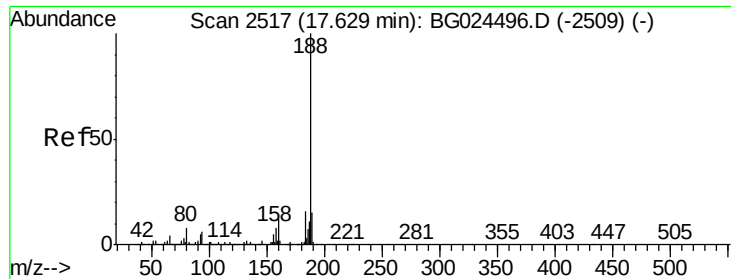
#44  
2-Fluorobiphenyl  
Concen: 96.23 ng  
RT: 13.51 min Scan# 1817  
Delta R.T. -0.00 min  
Lab File: BG024543.D  
Acq: 28 Oct 2016 17:43

Tgt Ion:172 Resp: 1792476  
Ion Ratio Lower Upper  
172 100  
171 38.3 32.2 48.2  
170 26.7 21.8 32.6



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.63 min Scan# 2517

Delta R.T. -0.00 min

Lab File: BG024543.D

Acq: 28 Oct 2016 17:43

Instrument :

BNA\_G

ClientSampleId :

HSR-WC-72-102616

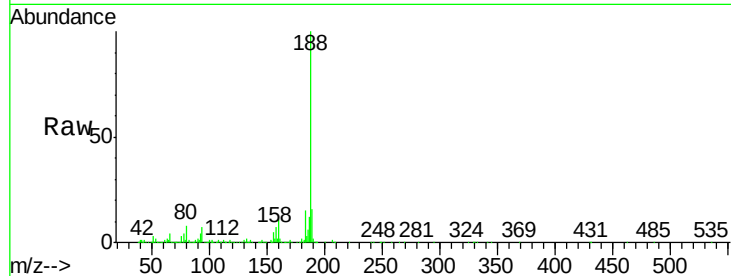
Tgt Ion:188 Resp: 722342

Ion Ratio Lower Upper

188 100

94 7.1 5.8 8.8

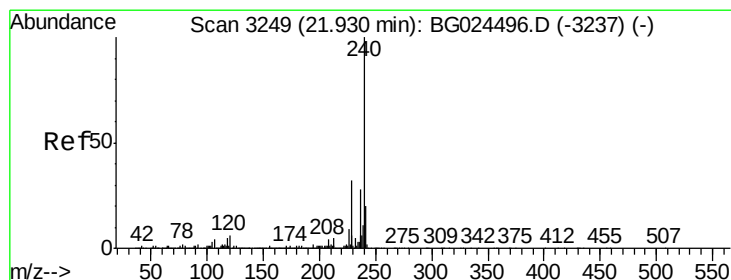
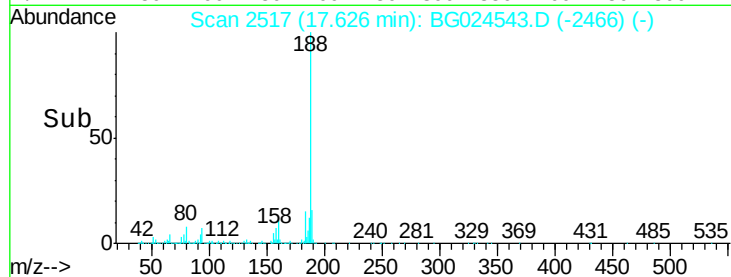
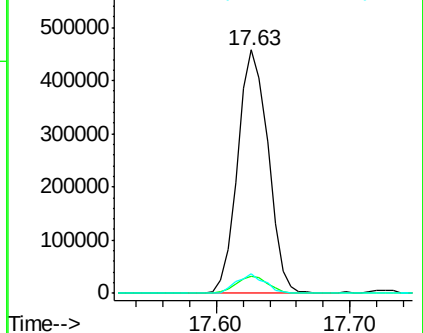
80 8.1 7.5 11.3



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: 20.00 ng

RT: 21.92 min Scan# 3248

Delta R.T. -0.01 min

Lab File: BG024543.D

Acq: 28 Oct 2016 17:43

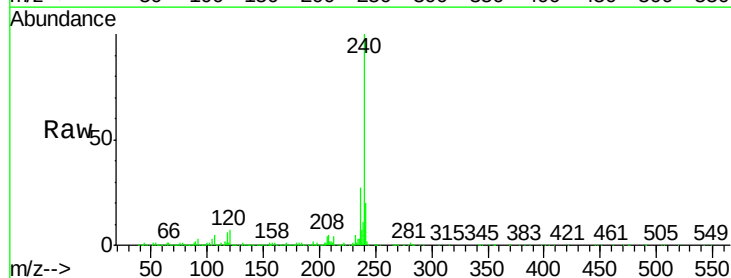
Tgt Ion:240 Resp: 1011690

Ion Ratio Lower Upper

240 100

120 6.6 5.7 8.5

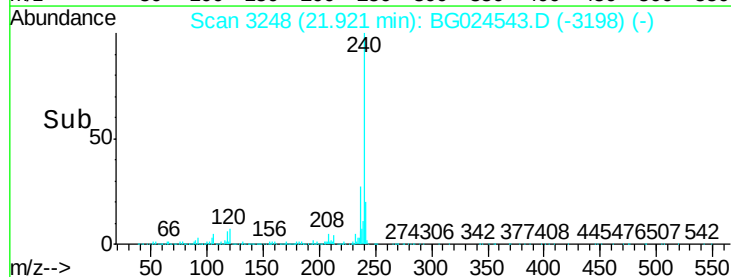
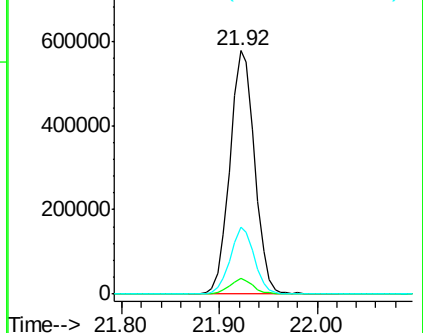
236 27.3 22.2 33.4

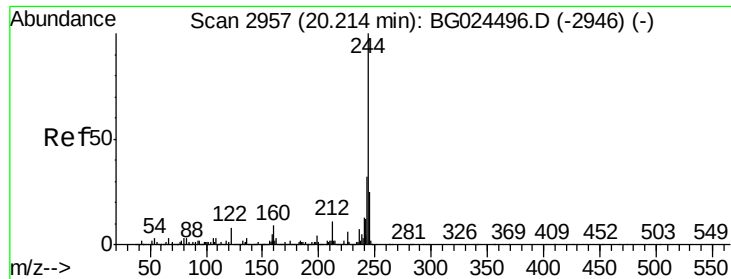


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 96.31 ng

RT: 20.21 min Scan# 2957

Delta R.T. -0.00 min

Lab File: BG024543.D

Acq: 28 Oct 2016 17:43

Instrument :

BNA\_G

ClientSampleId :

HSR-WC-72-102616

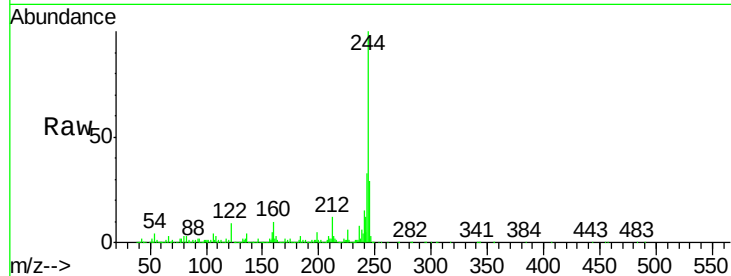
Tgt Ion:244 Resp: 3260830

Ion Ratio Lower Upper

244 100

212 12.4 10.0 15.0

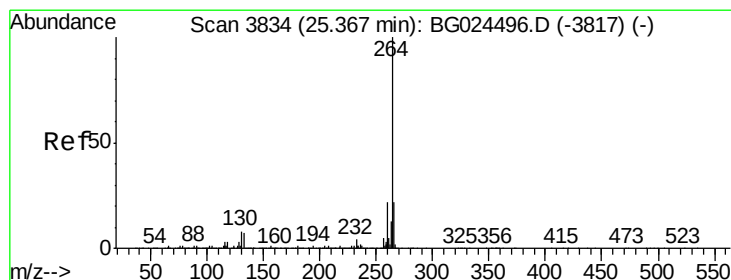
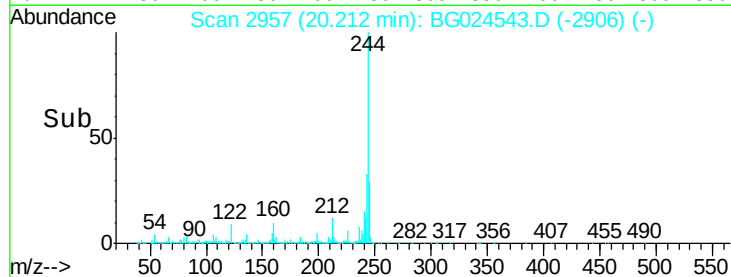
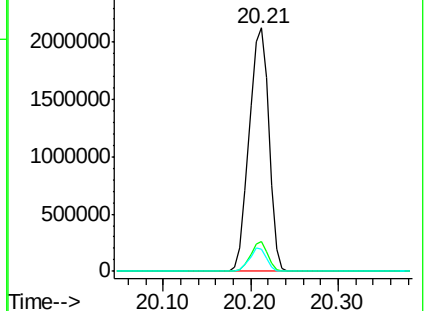
122 9.4 8.6 12.8



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: 25.36 min Scan# 3833

Delta R.T. -0.01 min

Lab File: BG024543.D

Acq: 28 Oct 2016 17:43

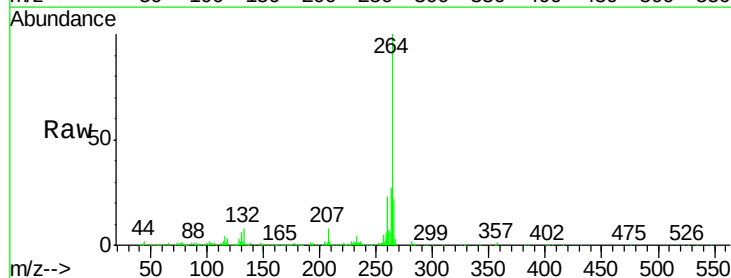
Tgt Ion:264 Resp: 684209

Ion Ratio Lower Upper

264 100

260 23.5 21.8 32.8

265 21.7 18.2 27.4



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

