

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG103116\  
 Data File : BG024587.D  
 Acq On : 1 Nov 2016 11:29  
 Operator : UM/SJ  
 Sample : H5478-03  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SD-4

Quant Time: Nov 01 13:29:59 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG102516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 01 11:50:40 2016  
 Response via : Initial Calibration

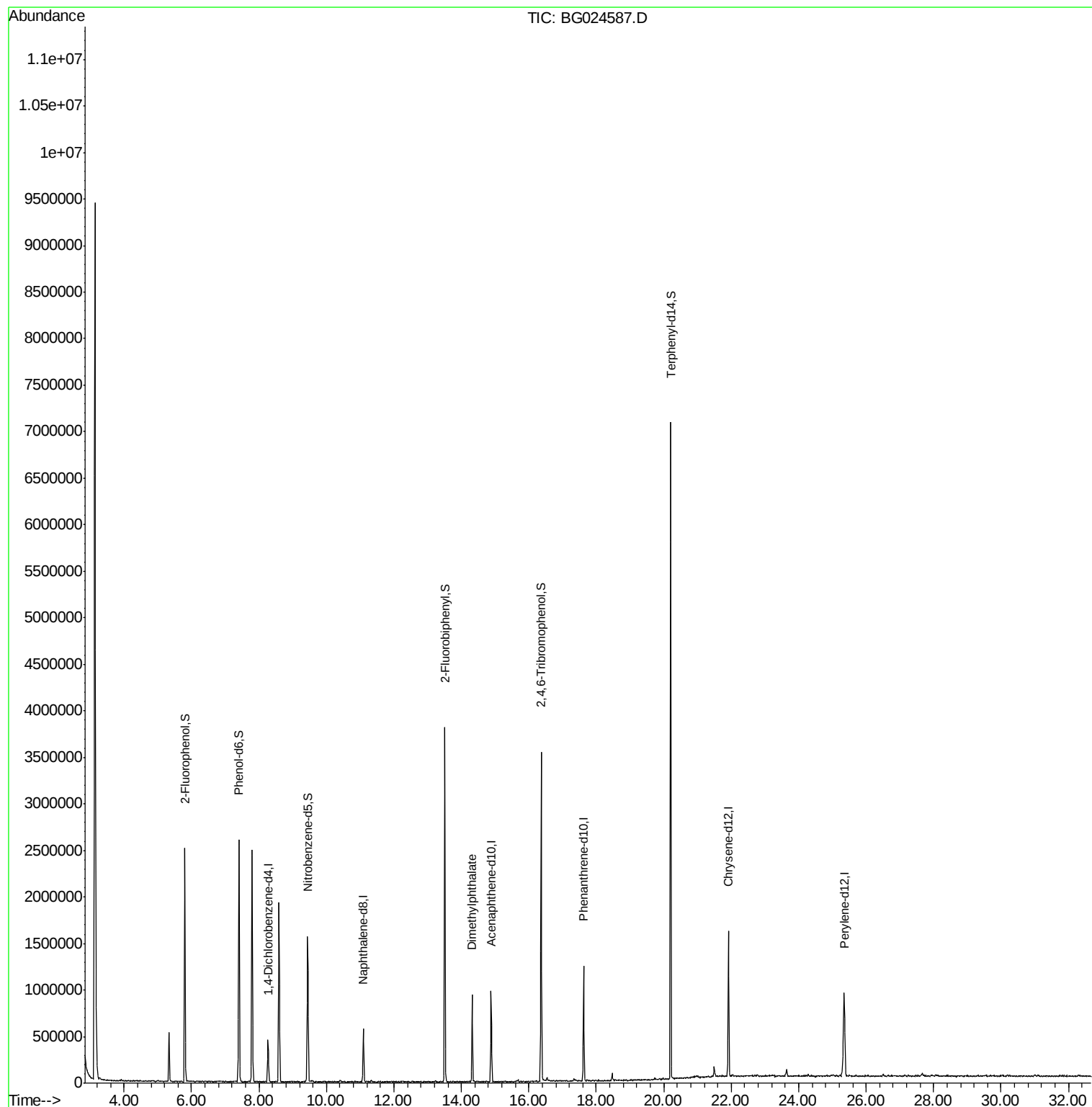
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.27  | 152  | 120415   | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 11.09 | 136  | 477955   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.88 | 164  | 348067   | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 17.63 | 188  | 783104   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 21.92 | 240  | 1064355  | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 25.35 | 264  | 1103403  | 20.00  | ng    | -0.01        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.80  | 112  | 1017273  | 138.46 | ng    | 0.00         |
| 7) Phenol-d6                | 7.40  | 99   | 1423419  | 141.24 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 9.44  | 82   | 997674   | 95.04  | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 16.37 | 330  | 710266   | 136.59 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 13.51 | 172  | 1921673  | 91.76  | ng    | 0.00         |
| 78) Terphenyl-d14           | 20.21 | 244  | 2902128  | 81.48  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 14.32 | 163  | 609635   | 24.67  | ng    | Qvalue<br>96 |

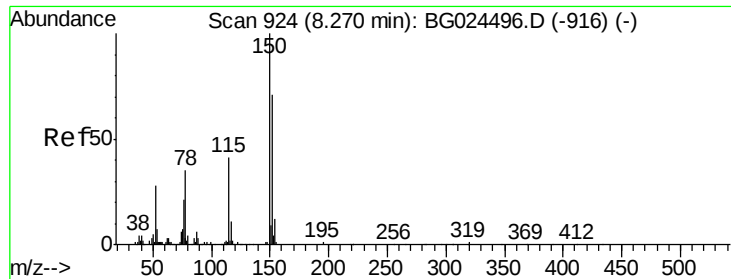
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
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SD-4

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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG102516.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 01 11:50:40 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.27 min Scan# 924

Delta R.T. -0.01 min

Lab File: BG024587.D

Acq: 1 Nov 2016 11:29

Instrument :

BNA\_G

ClientSampleId :

SD-4

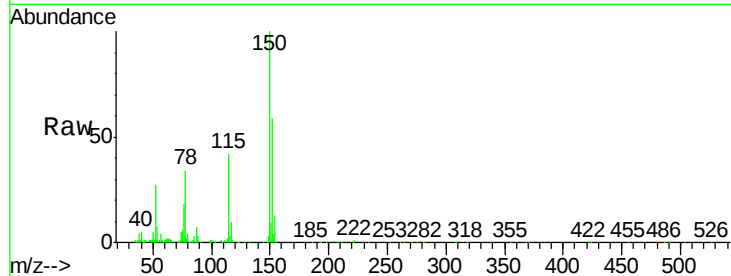
Tgt Ion:152 Resp: 120415

Ion Ratio Lower Upper

152 100

150 168.4 114.0 171.0

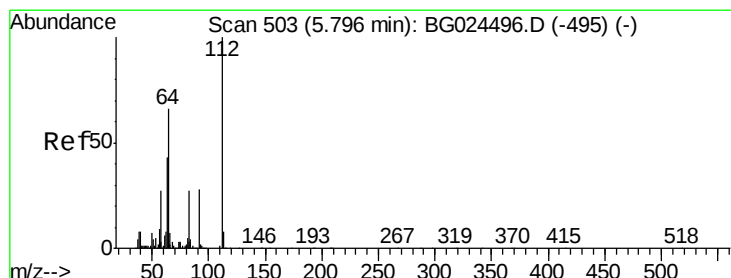
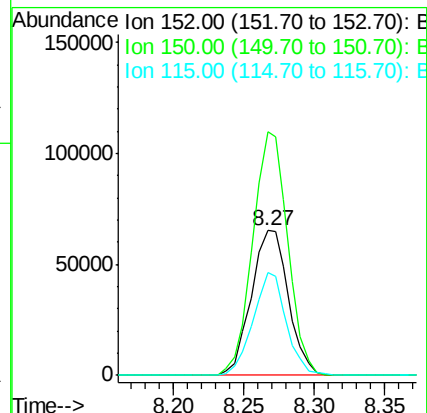
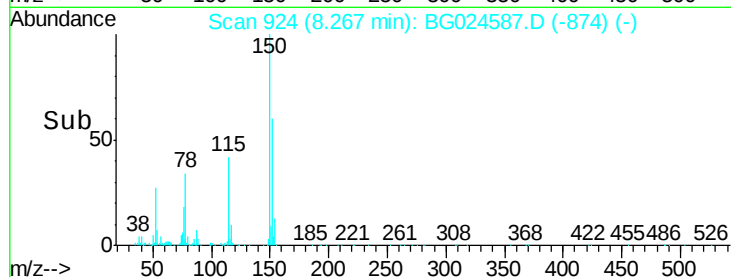
115 70.8 48.1 72.1



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: 138.46 ng

RT: 5.80 min Scan# 505

Delta R.T. 0.00 min

Lab File: BG024587.D

Acq: 1 Nov 2016 11:29

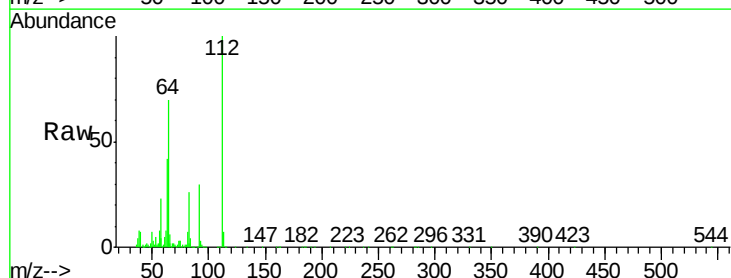
Tgt Ion:112 Resp: 1017273

Ion Ratio Lower Upper

112 100

64 70.0 61.8 92.6

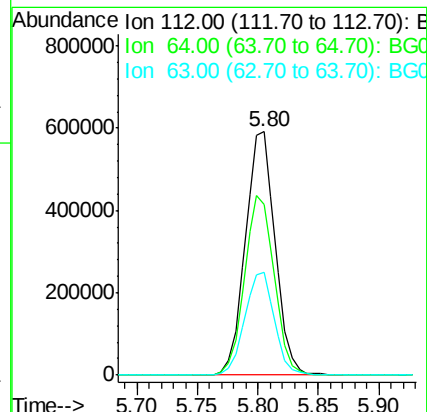
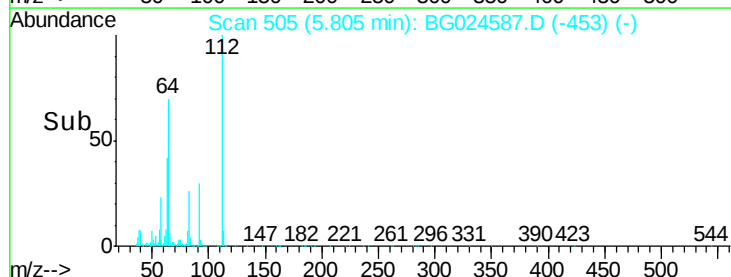
63 42.2 37.2 55.8

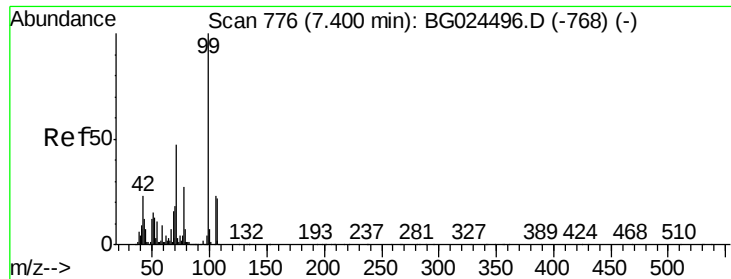


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 141.24 ng

RT: 7.40 min Scan# 777

Delta R.T. -0.00 min

Lab File: BG024587.D

Acq: 1 Nov 2016 11:29

Instrument :

BNA\_G

ClientSampled :

SD-4

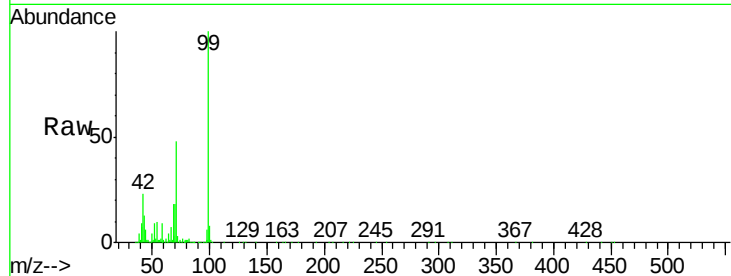
Tgt Ion: 99 Resp: 1423419

Ion Ratio Lower Upper

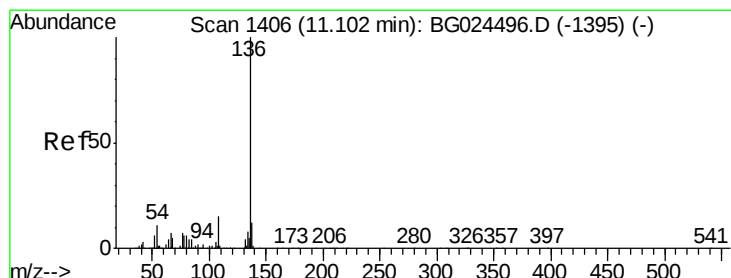
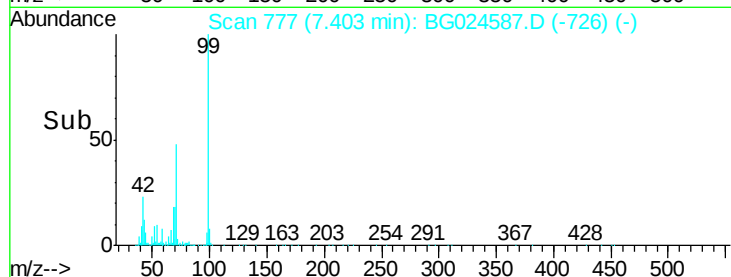
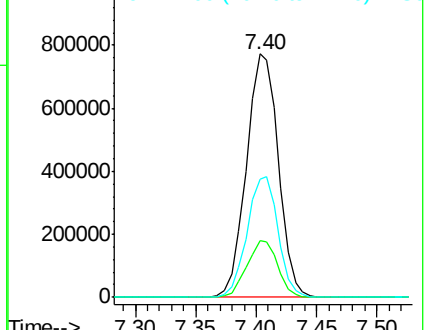
99 100

42 23.5 20.5 30.7

71 48.4 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.09 min Scan# 1405

Delta R.T. -0.01 min

Lab File: BG024587.D

Acq: 1 Nov 2016 11:29

Tgt Ion: 136 Resp: 477955

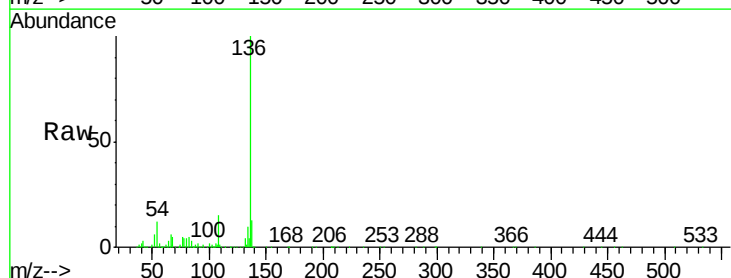
Ion Ratio Lower Upper

136 100

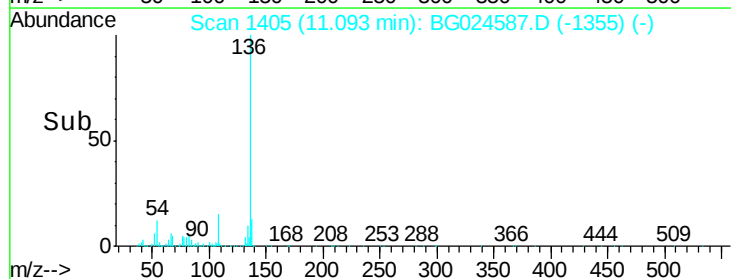
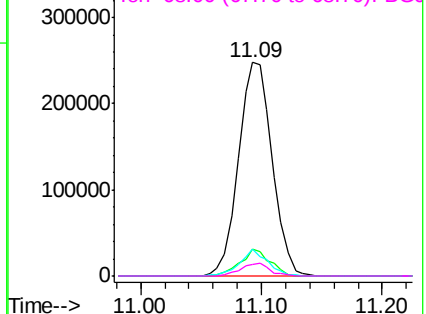
137 12.8 8.9 13.3

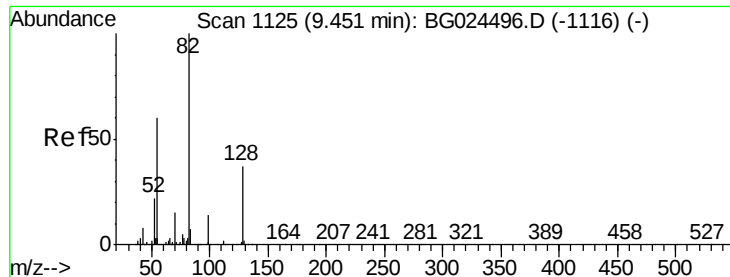
54 12.3 9.3 13.9

68 5.3 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

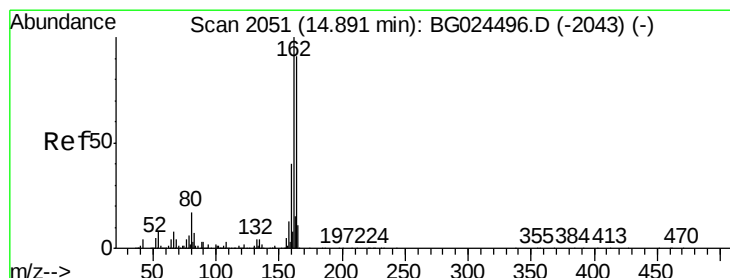
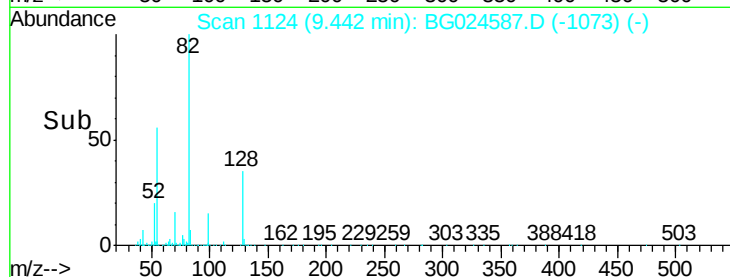
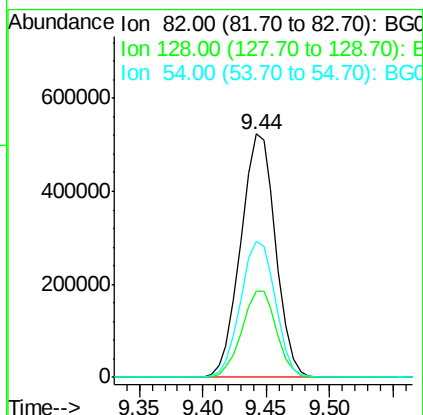
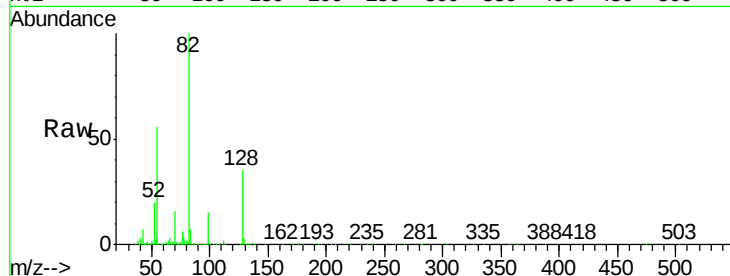




#23  
 Nitrobenzene-d5  
 Concen: 95.04 ng  
 RT: 9.44 min Scan# 1124  
 Delta R.T. -0.00 min  
 Lab File: BG024587.D  
 Acq: 1 Nov 2016 11:29

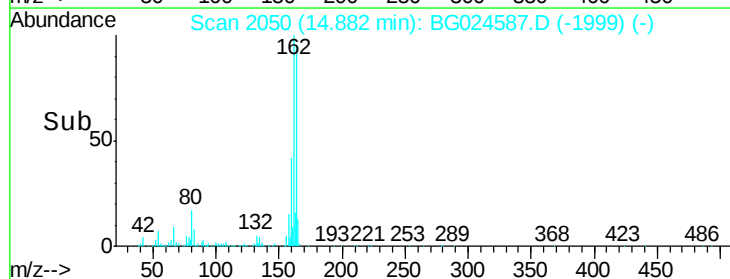
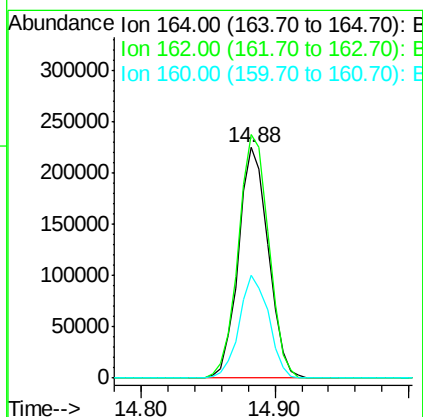
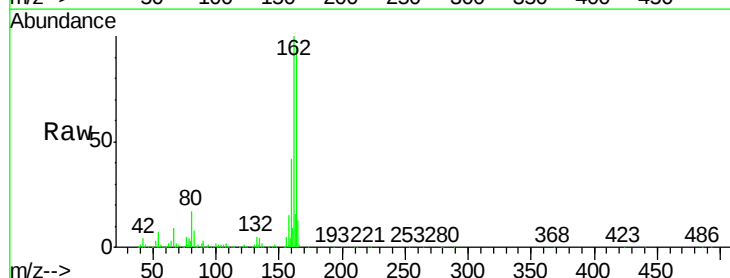
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SD-4

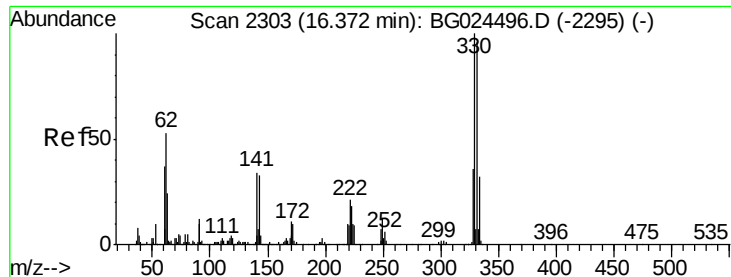
Tgt Ion: 82 Resp: 997674  
 Ion Ratio Lower Upper  
 82 100  
 128 35.3 26.4 39.6  
 54 55.8 49.4 74.2



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.88 min Scan# 2050  
 Delta R.T. -0.00 min  
 Lab File: BG024587.D  
 Acq: 1 Nov 2016 11:29

Tgt Ion: 164 Resp: 348067  
 Ion Ratio Lower Upper  
 164 100  
 162 105.6 85.1 127.7  
 160 44.8 34.7 52.1

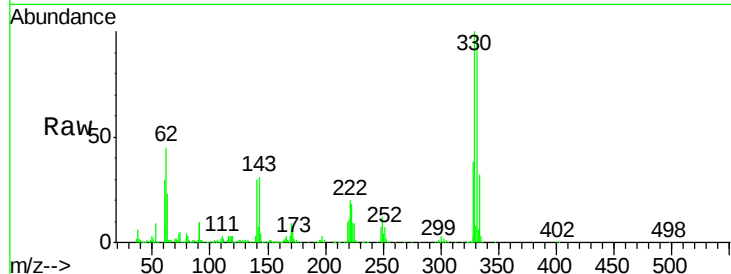




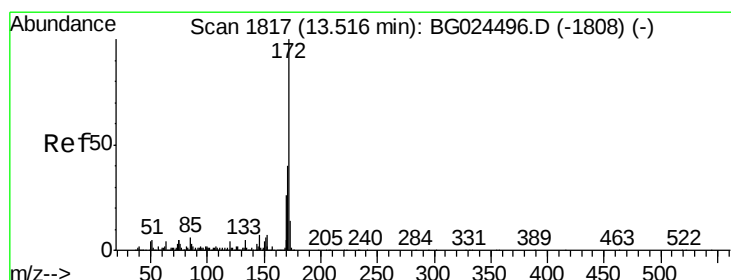
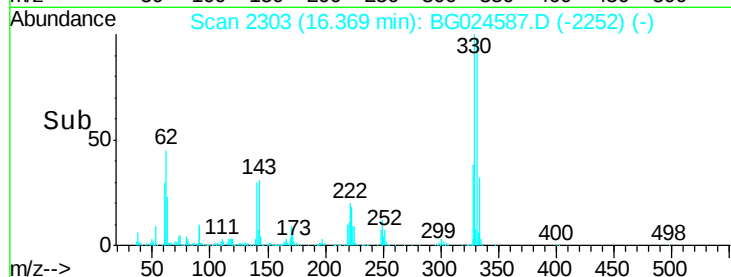
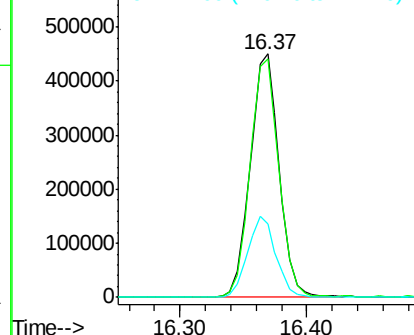
#41  
 2,4,6-Tribromophenol  
 Concen: 136.59 ng  
 RT: 16.37 min Scan# 2303  
 Delta R.T. -0.00 min  
 Lab File: BG024587.D  
 Acq: 1 Nov 2016 11:29

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SD-4

Tgt Ion:330 Resp: 710266  
 Ion Ratio Lower Upper  
 330 100  
 332 98.3 77.3 115.9  
 141 32.6 32.1 48.1

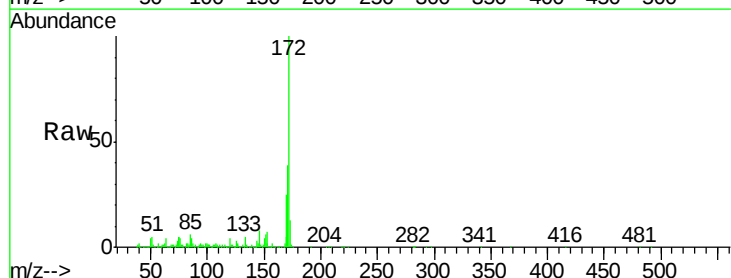


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

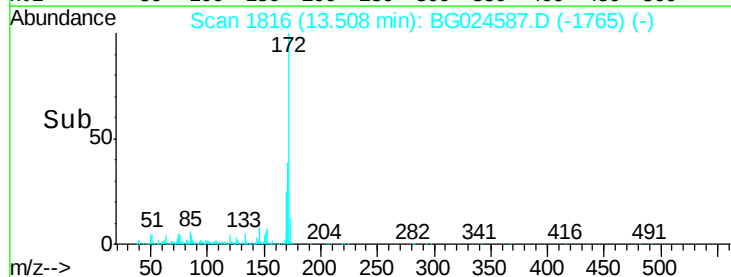
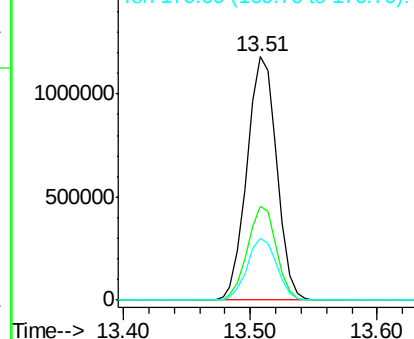


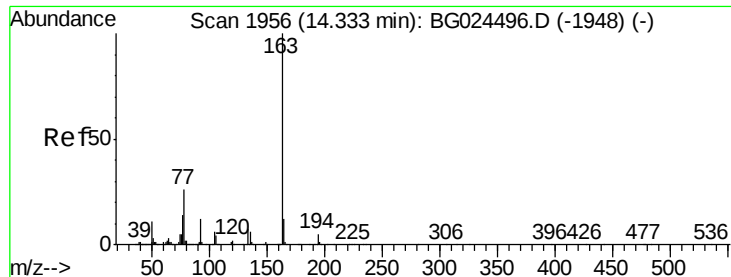
#44  
 2-Fluorobiphenyl  
 Concen: 91.76 ng  
 RT: 13.51 min Scan# 1816  
 Delta R.T. -0.00 min  
 Lab File: BG024587.D  
 Acq: 1 Nov 2016 11:29

Tgt Ion:172 Resp: 1921673  
 Ion Ratio Lower Upper  
 172 100  
 171 38.7 32.2 48.2  
 170 25.4 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





#49

Dimethylphthalate

Concen: 24.67 ng

RT: 14.32 min Scan# 1955

Delta R.T. -0.00 min

Lab File: BG024587.D

Acq: 1 Nov 2016 11:29

Instrument :

BNA\_G

ClientSampleId :

SD-4

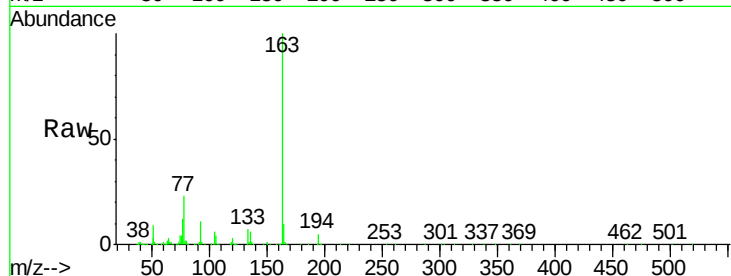
Tgt Ion:163 Resp: 609635

Ion Ratio Lower Upper

163 100

194 5.1 3.8 5.6

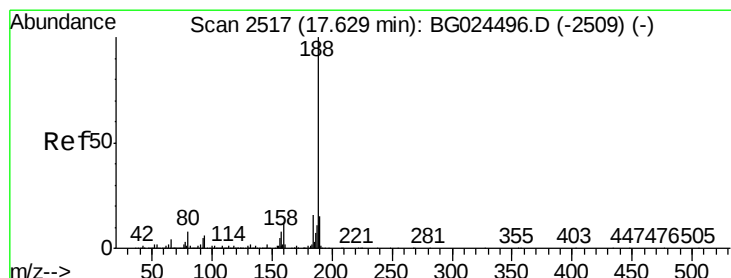
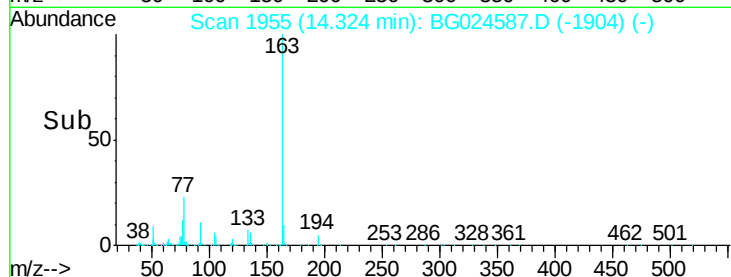
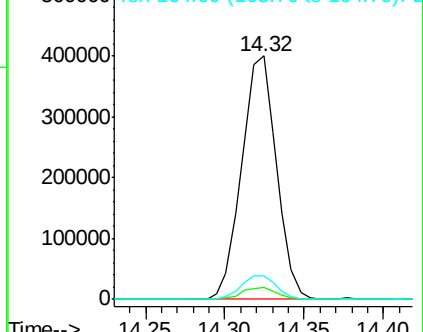
164 9.9 9.3 13.9



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.63 min Scan# 2517

Delta R.T. -0.00 min

Lab File: BG024587.D

Acq: 1 Nov 2016 11:29

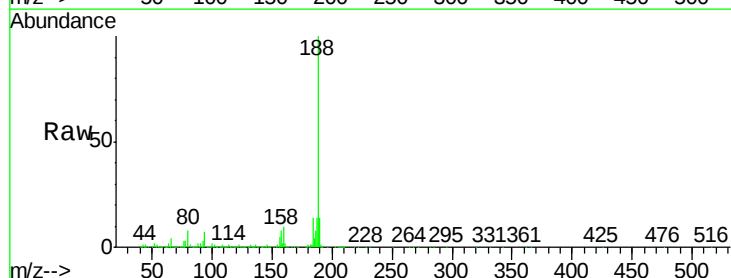
Tgt Ion:188 Resp: 783104

Ion Ratio Lower Upper

188 100

94 7.3 5.8 8.8

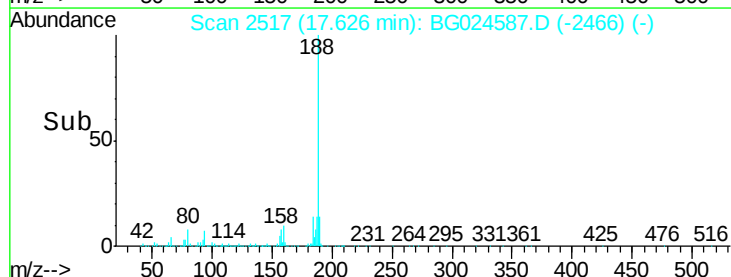
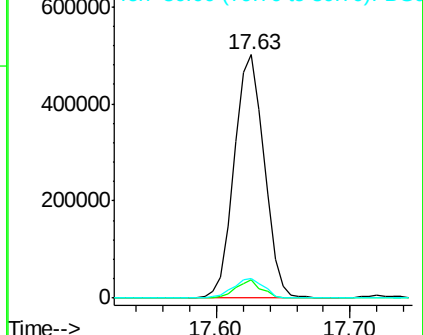
80 8.2 7.5 11.3

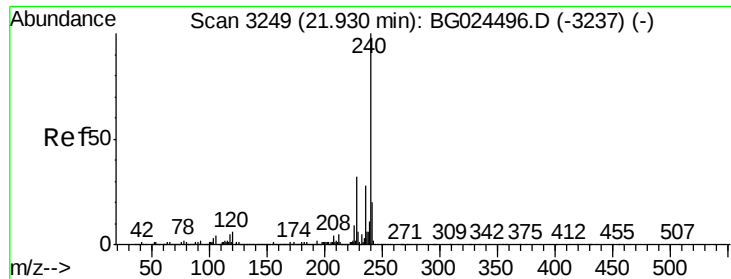


Abundance Ion 188.00 (187.70 to 188.70): E

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# 3247

Delta R.T. -0.01 min

Lab File: BG024587.D

Acq: 1 Nov 2016 11:29

Instrument :

BNA\_G

ClientSampleId :

SD-4

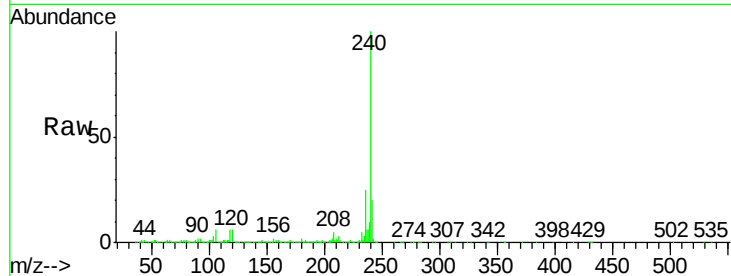
Tgt Ion:240 Resp: 1064355

Ion Ratio Lower Upper

240 100

120 6.3 5.7 8.5

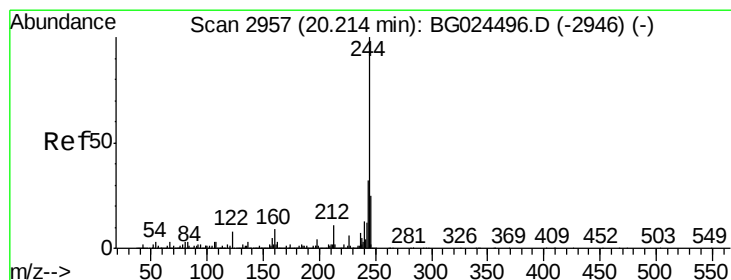
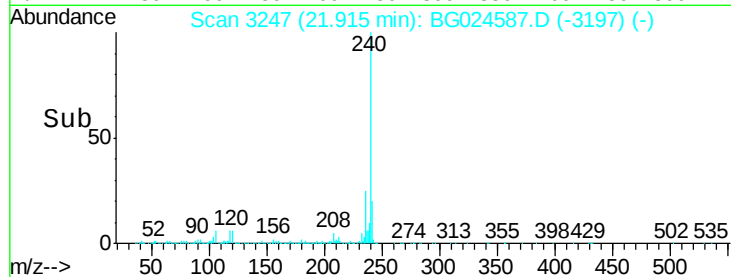
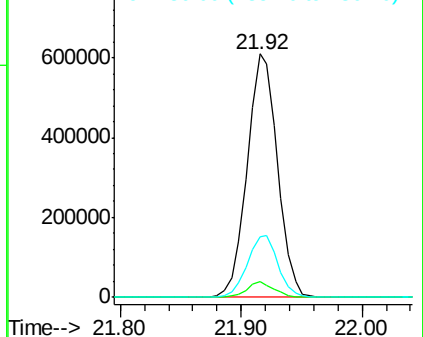
236 24.8 22.2 33.4



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: 81.48 ng

RT: 20.21 min Scan# 2956

Delta R.T. -0.00 min

Lab File: BG024587.D

Acq: 1 Nov 2016 11:29

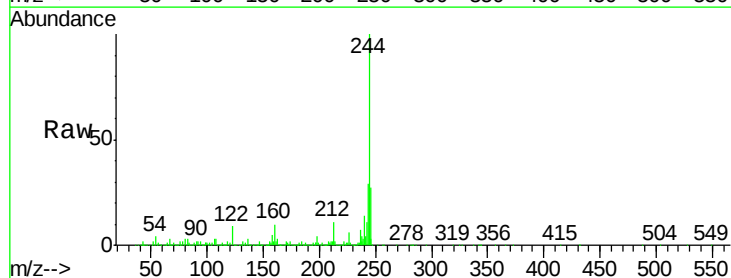
Tgt Ion:244 Resp: 2902128

Ion Ratio Lower Upper

244 100

212 11.2 10.0 15.0

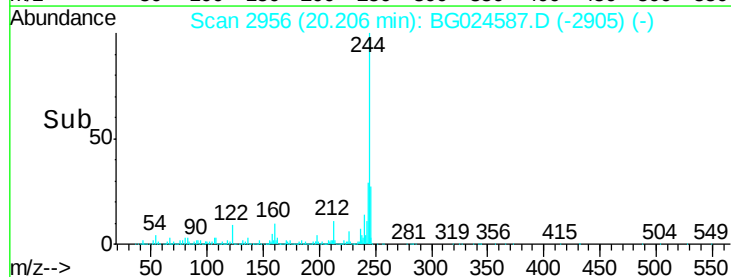
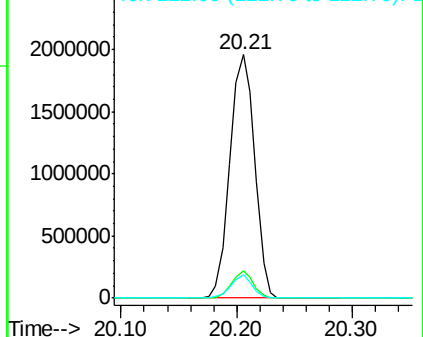
122 9.4 8.6 12.8

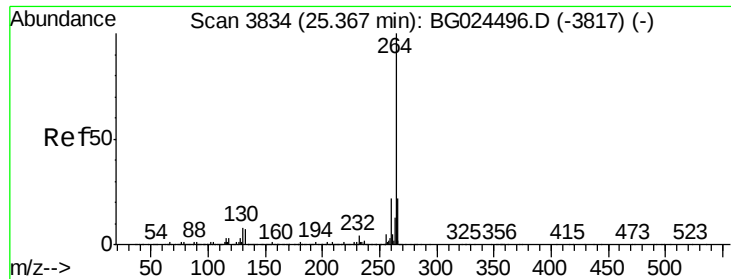


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.35 min Scan# 3831  
Delta R.T. -0.01 min  
Lab File: BG024587.D  
Acq: 1 Nov 2016 11:29

Instrument :  
BNA\_G  
ClientSampleId :  
SD-4

Tgt Ion: 264 Resp: 1103403  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.1  | 21.8  | 32.8  |
| 265 | 22.7  | 18.2  | 27.4  |

