

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG102516\  
 Data File : BG024508.D  
 Acq On : 25 Oct 2016 22:04  
 Operator : UM/SJ  
 Sample : H5391-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 20161020-DS-PLUME-M

Quant Time: Oct 26 02:27:37 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG102516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 25 17:25:08 2016  
 Response via : Initial Calibration

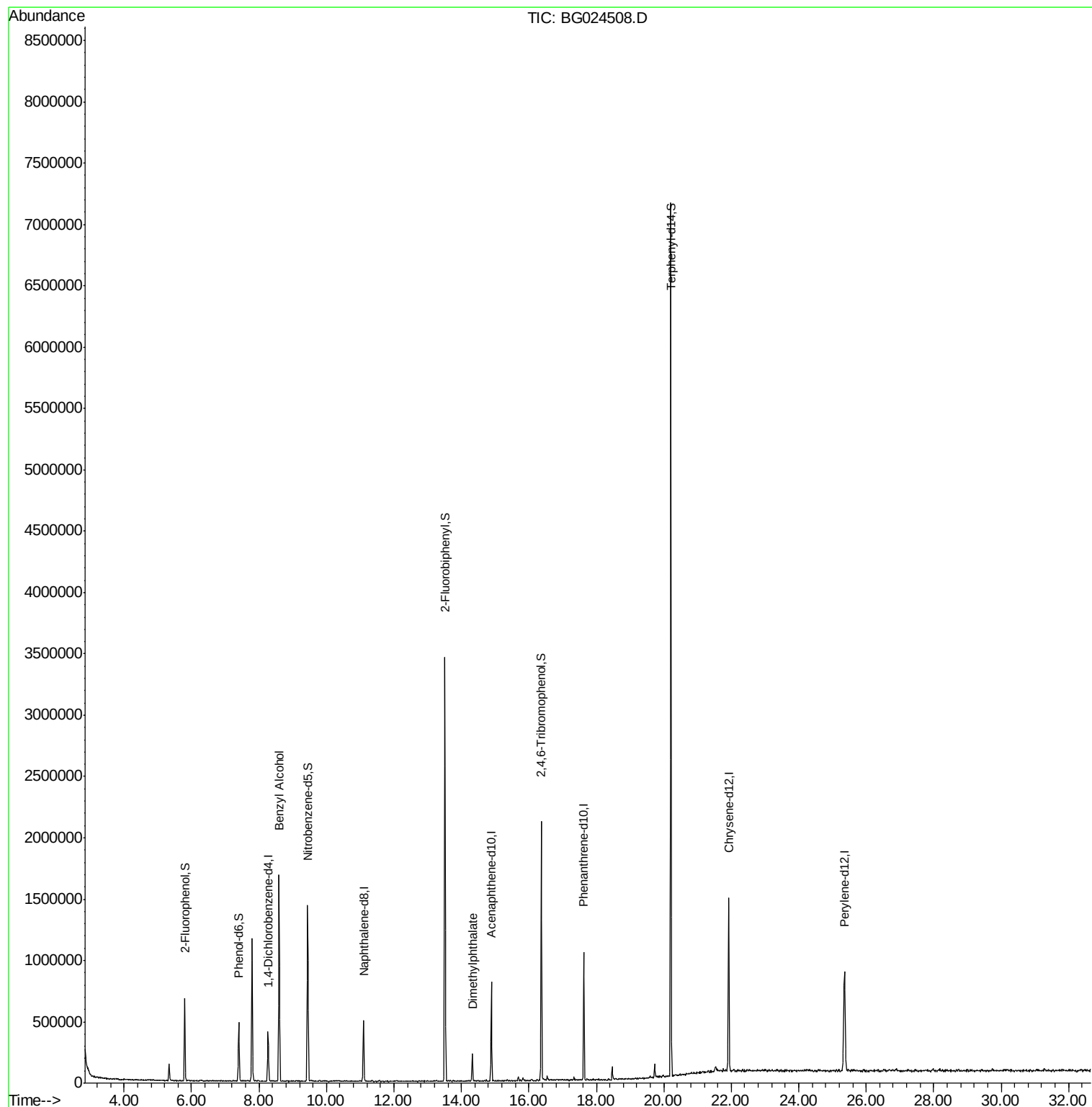
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.27  | 152  | 105314   | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8          | 11.10 | 136  | 392915   | 20.00  | ng    | 0.00        |
| 38) Acenaphthene-d10        | 14.88 | 164  | 290915   | 20.00  | ng    | 0.00        |
| 63) Phenanthrene-d10        | 17.63 | 188  | 650454   | 20.00  | ng    | 0.00        |
| 75) Chrysene-d12            | 21.92 | 240  | 971669   | 20.00  | ng    | 0.00        |
| 86) Perylene-d12            | 25.35 | 264  | 1008541  | 20.00  | ng    | -0.01       |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.80  | 112  | 266951   | 41.55  | ng    | 0.00        |
| 7) Phenol-d6                | 7.40  | 99   | 254620   | 28.89  | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 9.44  | 82   | 877759   | 101.71 | ng    | 0.00        |
| 41) 2,4,6-Tribromophenol    | 16.37 | 330  | 397996   | 91.57  | ng    | 0.00        |
| 44) 2-Fluorobiphenyl        | 13.51 | 172  | 1748574  | 99.90  | ng    | 0.00        |
| 78) Terphenyl-d14           | 20.21 | 244  | 2911864  | 89.55  | ng    | 0.00        |
| Target Compounds            |       |      |          |        |       |             |
| 15) Benzyl Alcohol          | 8.60  | 79   | 17796    | 2.17   | ng    | Qvalue # 60 |
| 49) Dimethylphthalate       | 14.33 | 163  | 134904   | 6.53   | ng    | 99          |

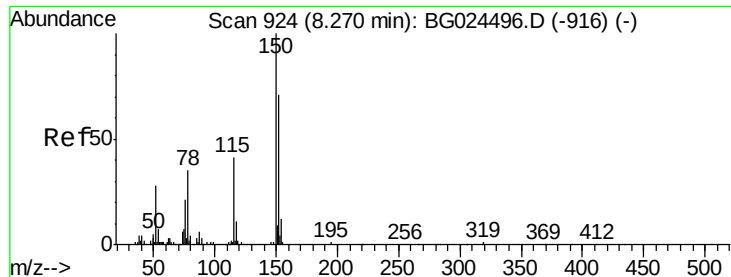
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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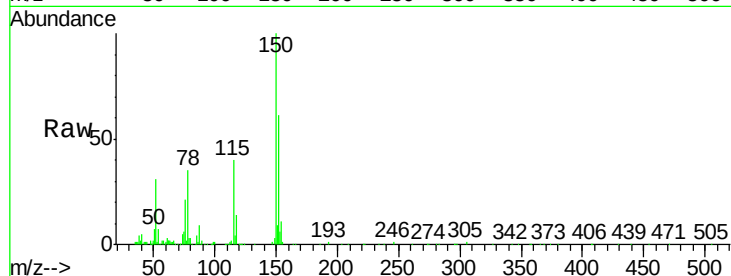


#1

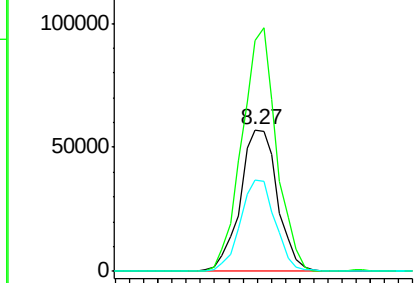
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.27 min Scan# 924  
Delta R.T. -0.00 min  
Lab File: BG024508.D  
Acq: 25 Oct 2016 22:04

Instrument :  
BNA\_G  
ClientSampleId :  
20161020-DS-PLUME-M

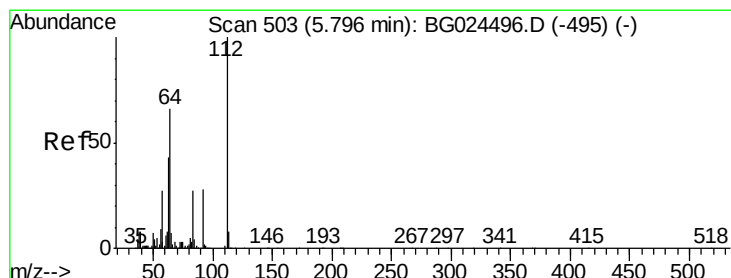
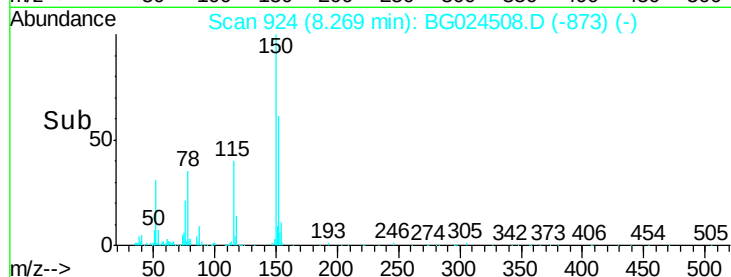
Tgt Ion:152 Resp: 105314  
Ion Ratio Lower Upper  
152 100  
150 163.5 114.0 171.0  
115 64.9 48.1 72.1



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



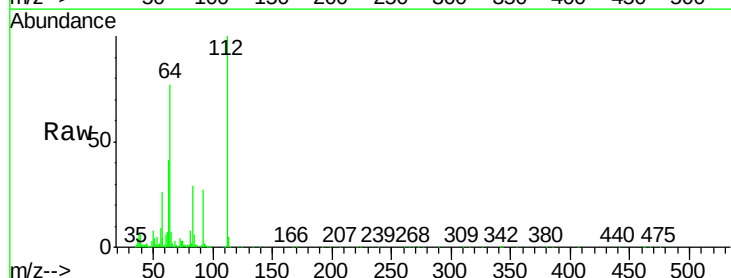
Time-->



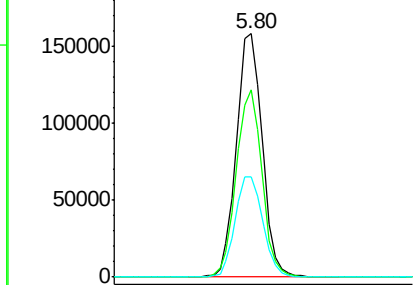
#5

2-Fluorophenol  
Concen: 41.55 ng  
RT: 5.80 min Scan# 504  
Delta R.T. 0.00 min  
Lab File: BG024508.D  
Acq: 25 Oct 2016 22:04

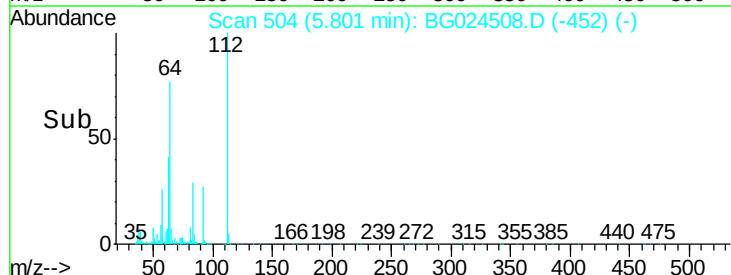
Tgt Ion:112 Resp: 266951  
Ion Ratio Lower Upper  
112 100  
64 76.8 61.8 92.6  
63 41.1 37.2 55.8

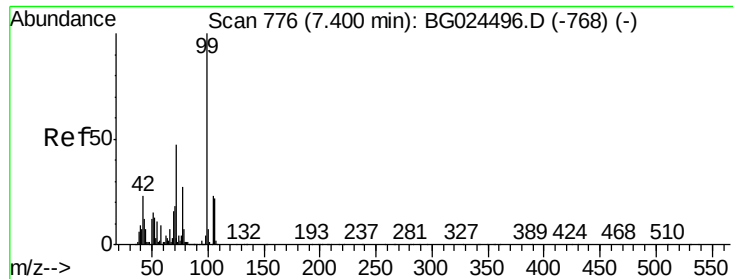


Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC



Time-->





#7

Phenol-d6

Concen: 28.89 ng

RT: 7.40 min Scan# 776

Delta R.T. -0.00 min

Lab File: BG024508.D

Acq: 25 Oct 2016 22:04

Instrument :

BNA\_G

ClientSampleId :

20161020-DS-PLUME-M

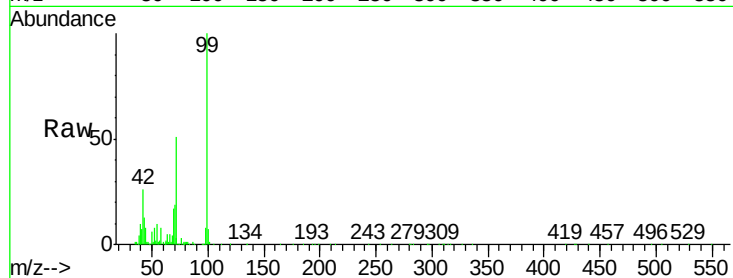
Tgt Ion: 99 Resp: 254620

Ion Ratio Lower Upper

99 100

42 25.9 20.5 30.7

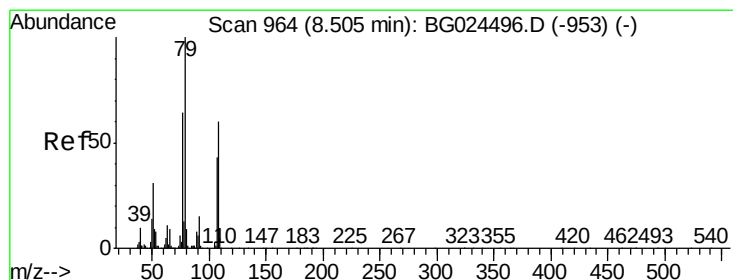
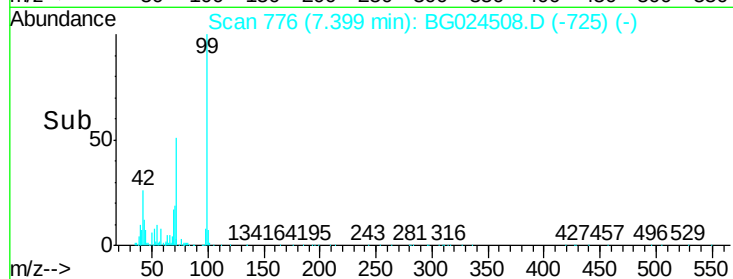
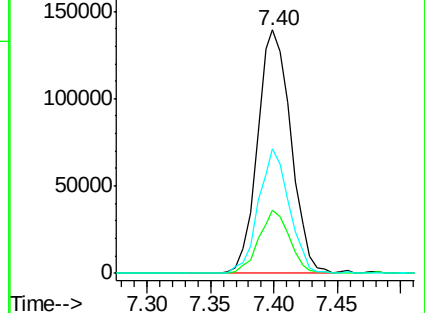
71 51.4 37.6 56.4



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



#15

Benzyl Alcohol

Concen: 2.17 ng

RT: 8.60 min Scan# 980

Delta R.T. 0.09 min

Lab File: BG024508.D

Acq: 25 Oct 2016 22:04

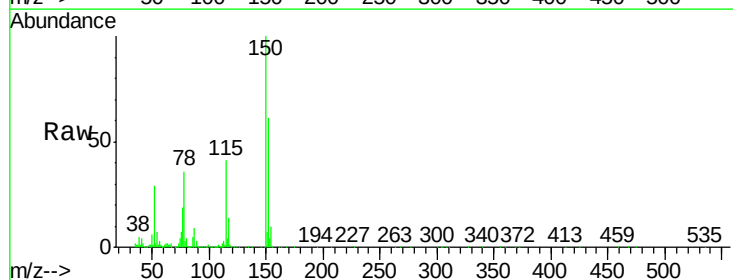
Tgt Ion: 79 Resp: 17796

Ion Ratio Lower Upper

79 100

108 21.5 45.5 68.3#

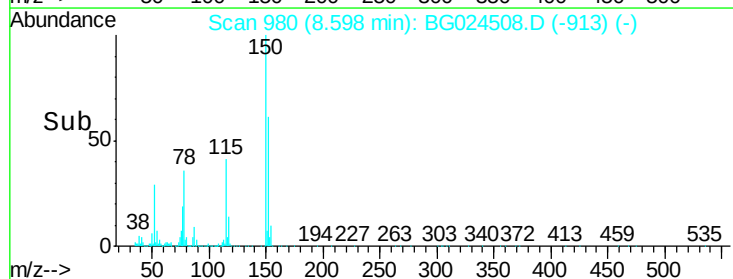
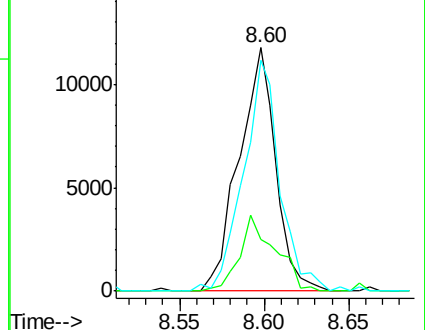
77 95.1 54.3 81.5#

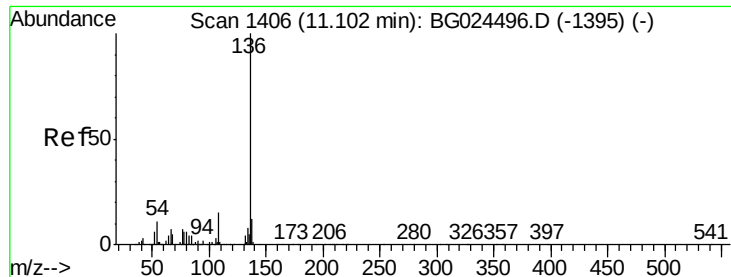


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.10 min Scan# 1406

Delta R.T. -0.00 min

Lab File: BG024508.D

Acq: 25 Oct 2016 22:04

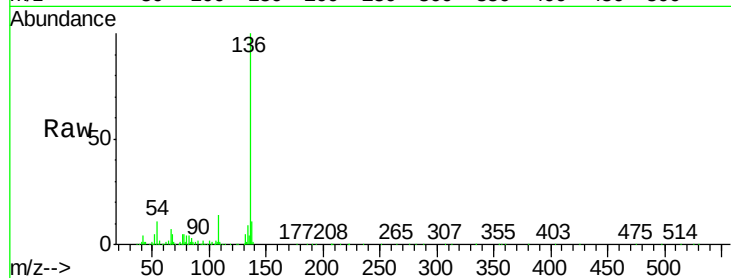
Instrument :

BNA\_G

ClientSampleId :

20161020-DS-PLUME-M

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 392915 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 8.9   | 13.3   |
| 54       | 11.3  | 9.3   | 13.9   |
| 68       | 5.6   | 5.1   | 7.7    |

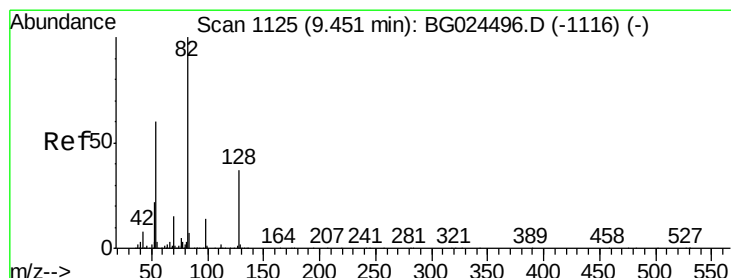
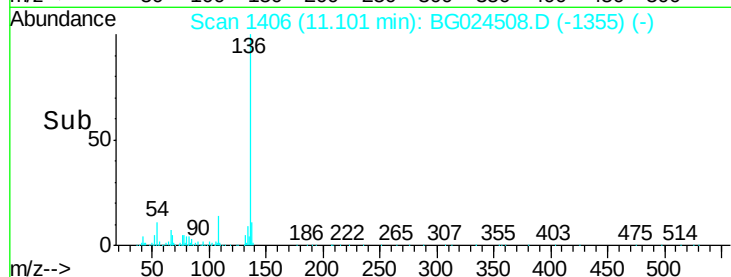
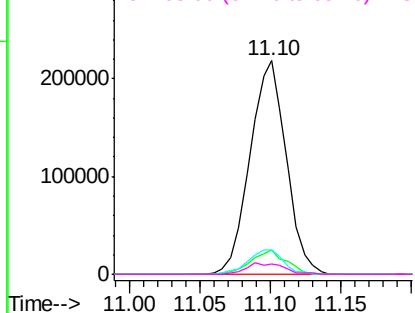


Abundance Ion 136.00 (135.70 to 136.70): E

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: 101.71 ng

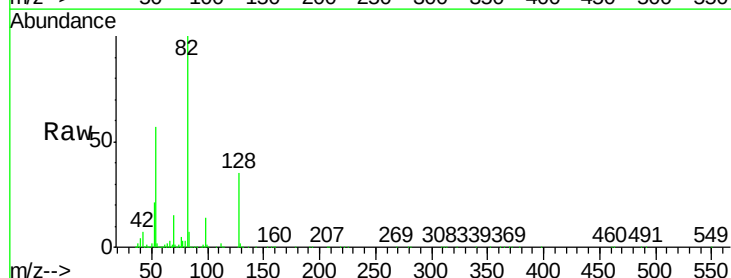
RT: 9.44 min Scan# 1124

Delta R.T. -0.01 min

Lab File: BG024508.D

Acq: 25 Oct 2016 22:04

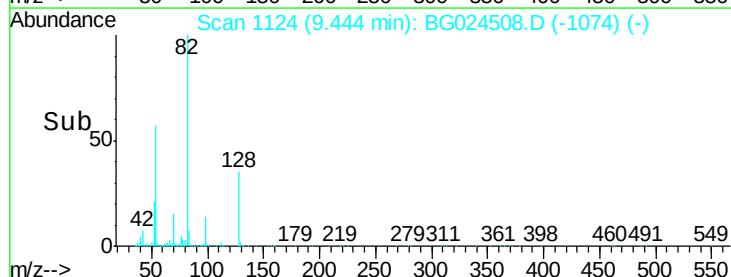
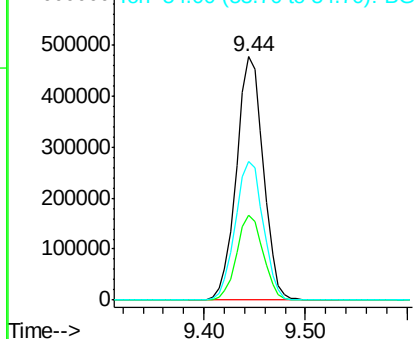
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 877759 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 34.8  | 26.4  | 39.6   |
| 54       | 57.1  | 49.4  | 74.2   |

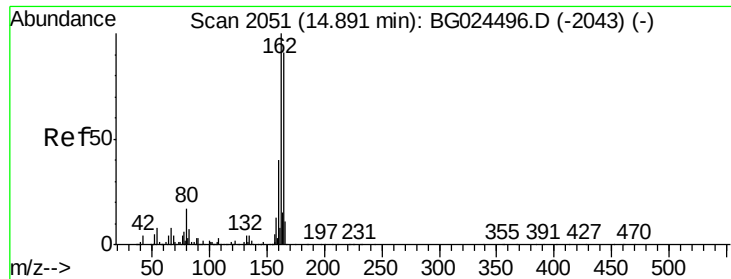


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.88 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BG024508.D

Acq: 25 Oct 2016 22:04

Instrument :

BNA\_G

ClientSampleId :

20161020-DS-PLUME-M

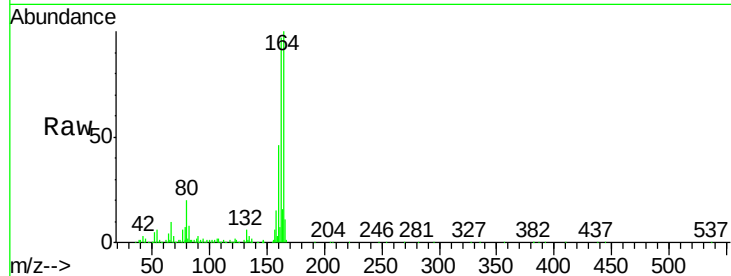
Tgt Ion:164 Resp: 290915

Ion Ratio Lower Upper

164 100

162 97.2 85.1 127.7

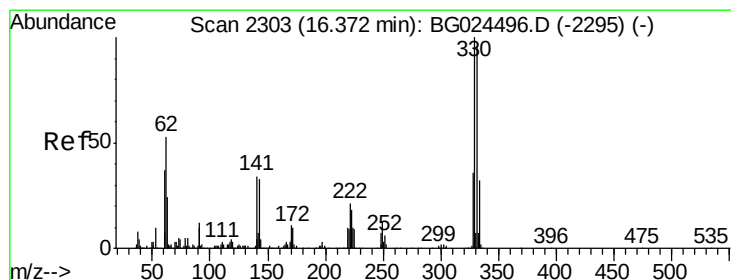
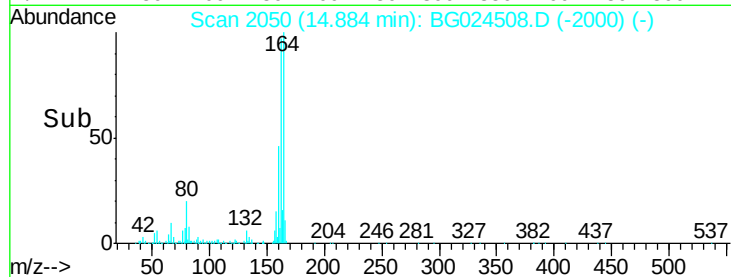
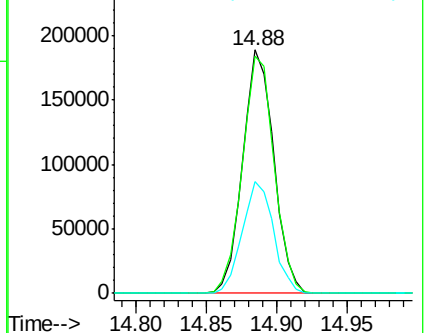
160 45.9 34.7 52.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 91.57 ng

RT: 16.37 min Scan# 2302

Delta R.T. -0.01 min

Lab File: BG024508.D

Acq: 25 Oct 2016 22:04

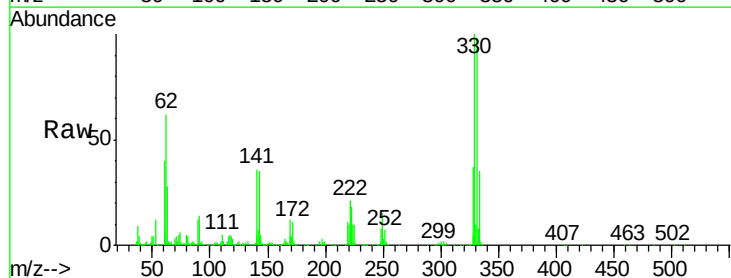
Tgt Ion:330 Resp: 397996

Ion Ratio Lower Upper

330 100

332 98.8 77.3 115.9

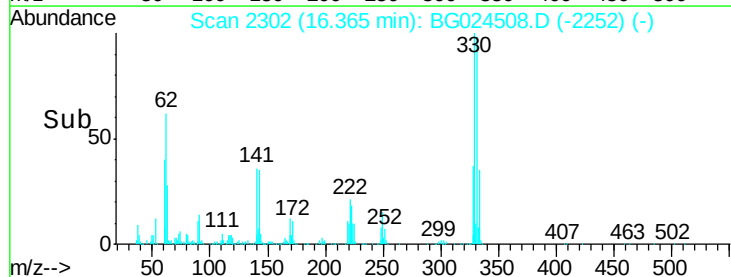
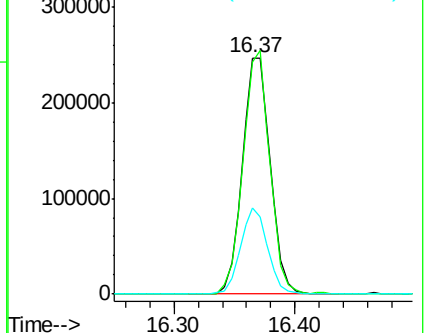
141 35.3 32.1 48.1

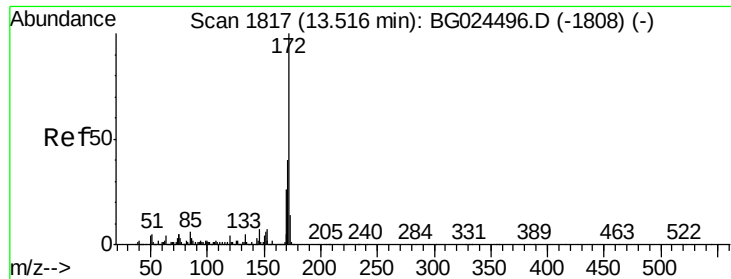


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

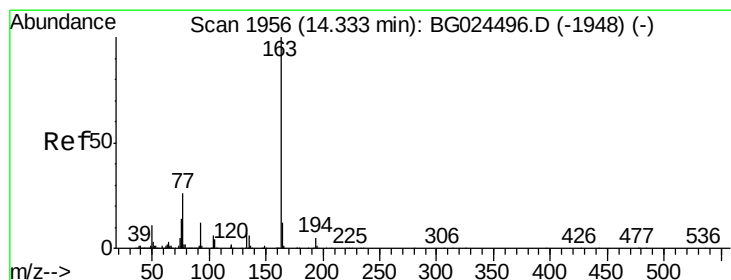
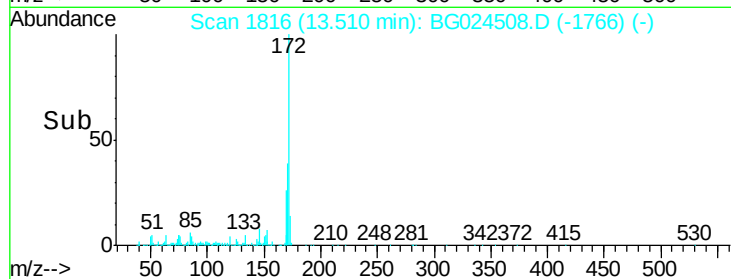
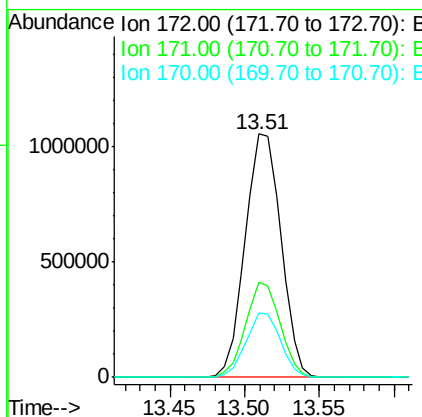
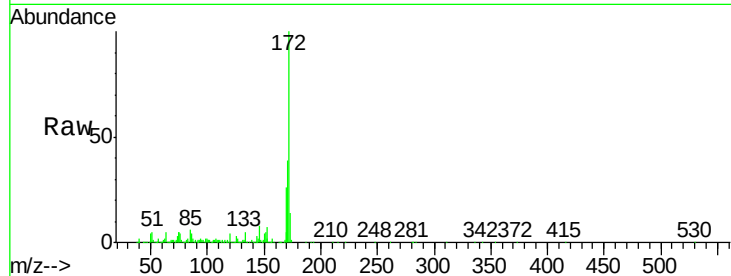




#44  
2-Fluorobiphenyl  
Concen: 99.90 ng  
RT: 13.51 min Scan# 1816  
Delta R.T. -0.01 min  
Lab File: BG024508.D  
Acq: 25 Oct 2016 22:04

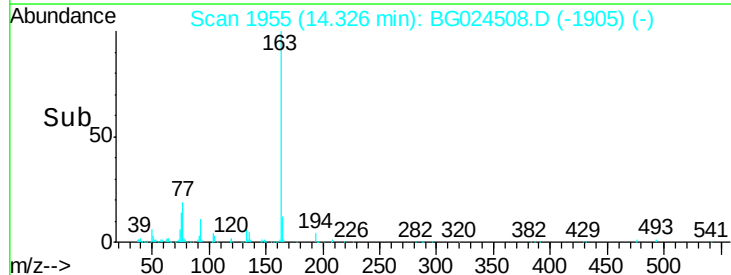
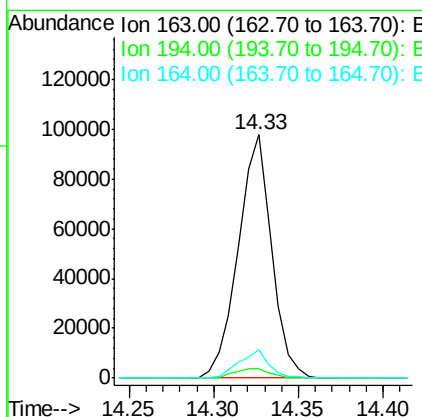
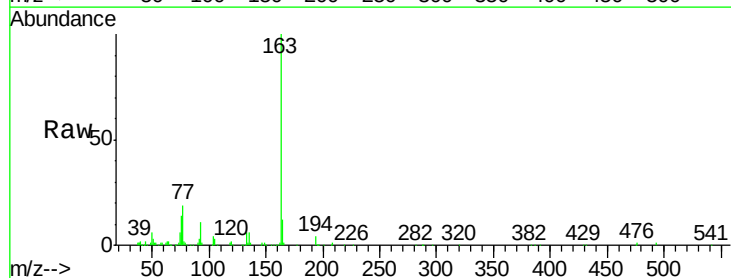
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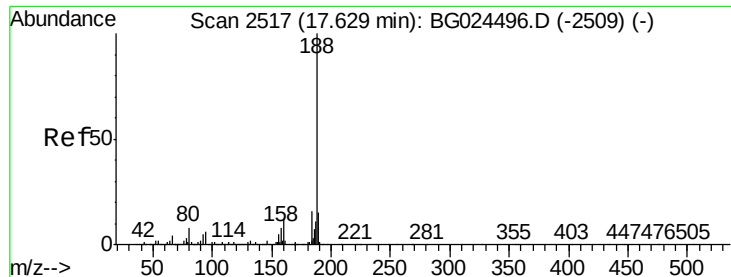
Tgt Ion:172 Resp: 1748574  
Ion Ratio Lower Upper  
172 100  
171 39.1 32.2 48.2  
170 26.4 21.8 32.6



#49  
Dimethylphthalate  
Concen: 6.53 ng  
RT: 14.33 min Scan# 1955  
Delta R.T. -0.01 min  
Lab File: BG024508.D  
Acq: 25 Oct 2016 22:04

Tgt Ion:163 Resp: 134904  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.8 5.6  
164 11.9 9.3 13.9

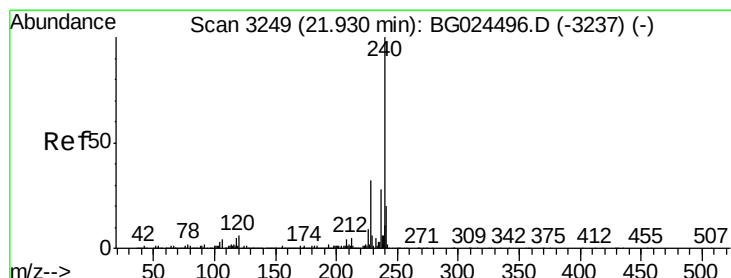
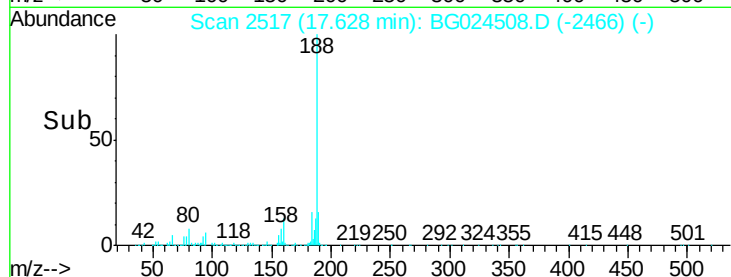
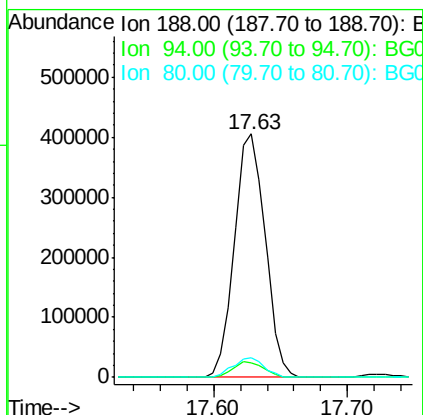
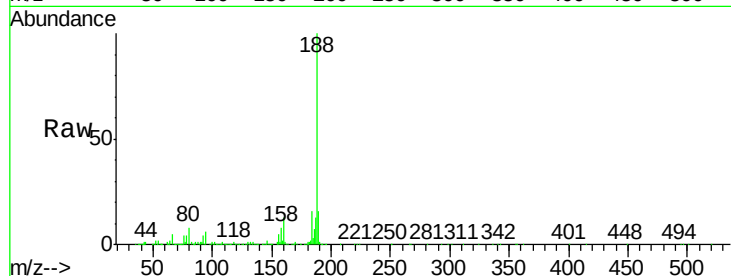




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.63 min Scan# 2517  
Delta R.T. -0.00 min  
Lab File: BG024508.D  
Acq: 25 Oct 2016 22:04

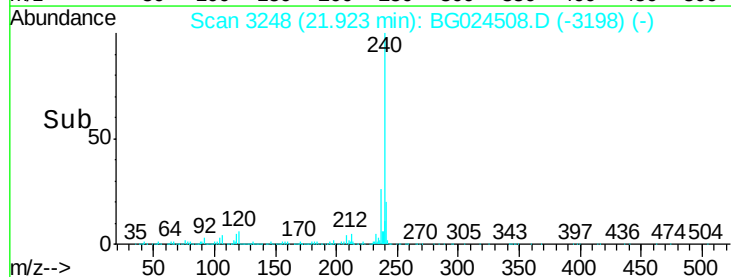
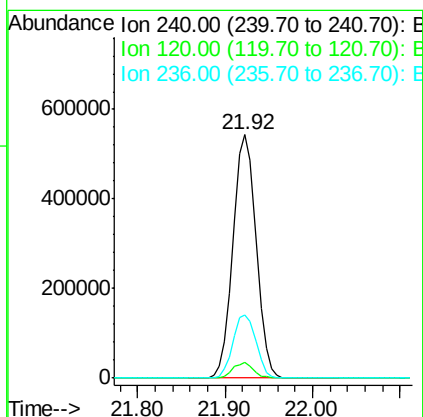
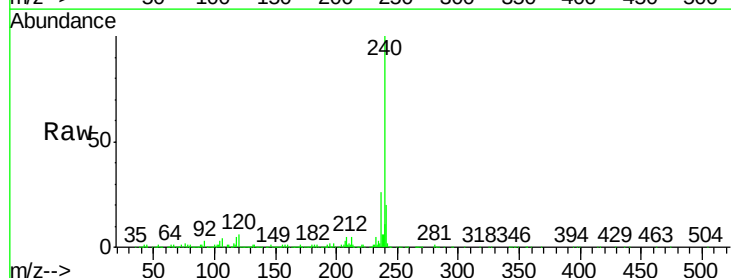
Instrument :  
BNA\_G  
ClientSampleId :  
20161020-DS-PLUME-M

Tgt Ion:188 Resp: 650454  
Ion Ratio Lower Upper  
188 100  
94 5.9 5.8 8.8  
80 8.0 7.5 11.3

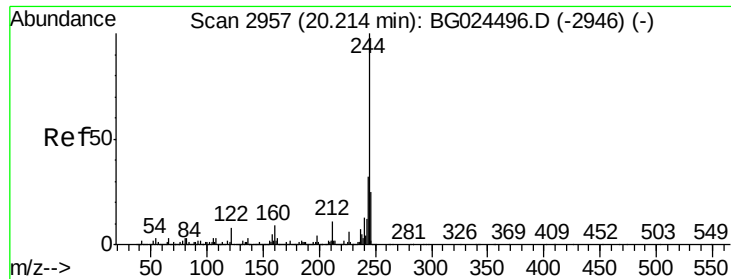


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.92 min Scan# 3248  
Delta R.T. -0.01 min  
Lab File: BG024508.D  
Acq: 25 Oct 2016 22:04

Tgt Ion:240 Resp: 971669  
Ion Ratio Lower Upper  
240 100  
120 6.4 5.7 8.5  
236 26.2 22.2 33.4







#78

Terphenyl-d14

Concen: 89.55 ng

RT: 20.21 min Scan# 2956

Delta R.T. -0.01 min

Lab File: BG024508.D

Acq: 25 Oct 2016 22:04

Instrument :

BNA\_G

ClientSampleId :

20161020-DS-PLUME-M

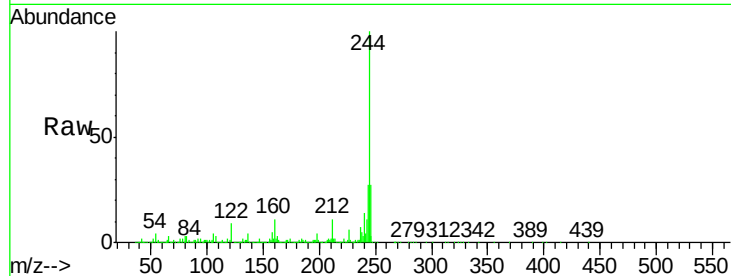
Tgt Ion:244 Resp: 2911864

Ion Ratio Lower Upper

244 100

212 11.4 10.0 15.0

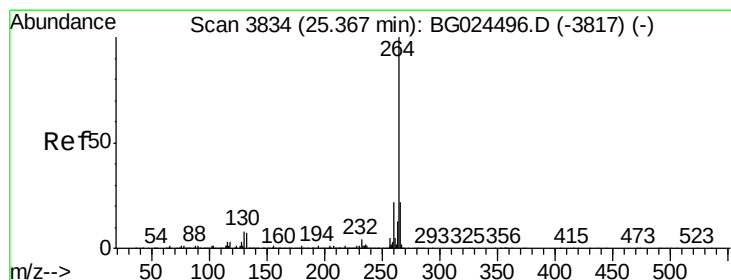
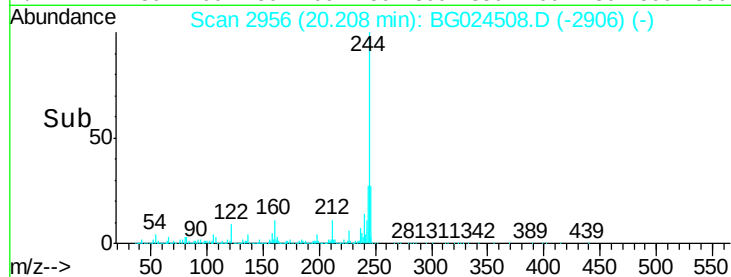
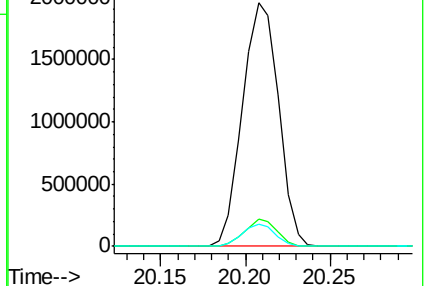
122 9.0 8.6 12.8



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# 3832

Delta R.T. -0.01 min

Lab File: BG024508.D

Acq: 25 Oct 2016 22:04

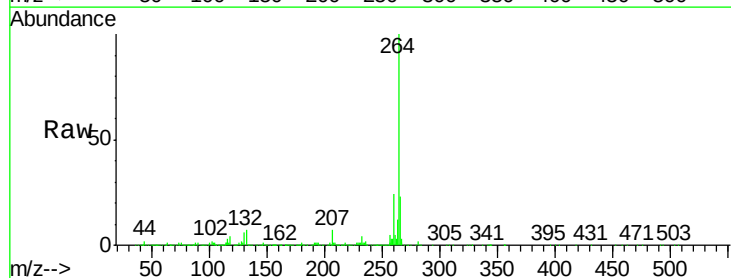
Tgt Ion:264 Resp: 1008541

Ion Ratio Lower Upper

264 100

260 24.2 21.8 32.8

265 22.9 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

