

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100716\  
 Data File : BF090473.D  
 Acq On : 8 Oct 2016 7:49  
 Operator : UM/SJ  
 Sample : H5136-07  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 100516-07

Quant Time: Oct 10 00:45:30 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF100516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 05 14:57:00 2016  
 Response via : Initial Calibration

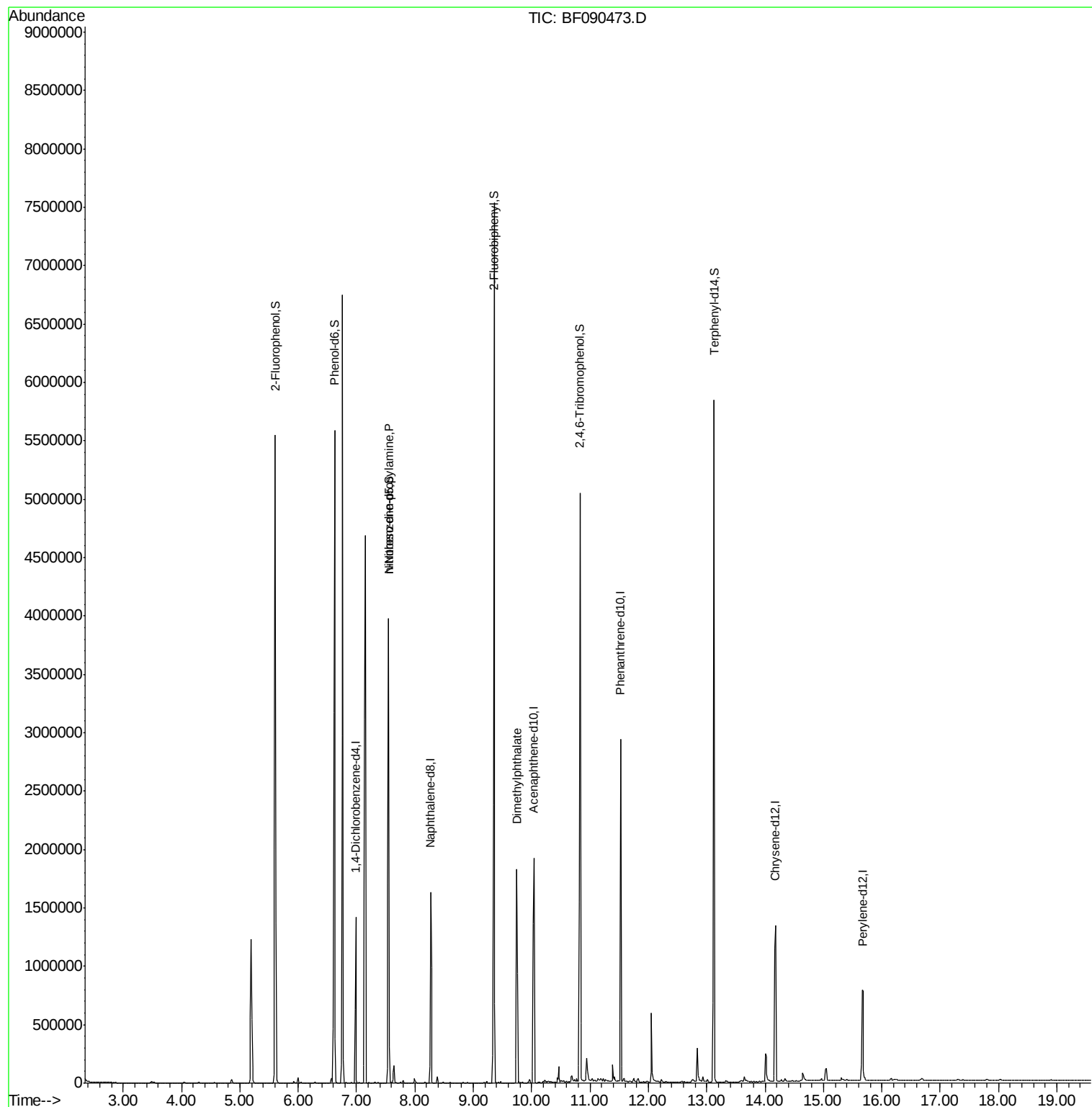
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 6.99  | 152  | 229522   | 20.00  | ng    | -0.01       |
| 21) Naphthalene-d8             | 8.27  | 136  | 923237   | 20.00  | ng    | -0.02       |
| 38) Acenaphthene-d10           | 10.04 | 164  | 529875   | 20.00  | ng    | -0.01       |
| 63) Phenanthrene-d10           | 11.53 | 188  | 928688   | 20.00  | ng    | -0.02       |
| 75) Chrysene-d12               | 14.18 | 240  | 609274   | 20.00  | ng    | -0.02       |
| 86) Perylene-d12               | 15.68 | 264  | 413232   | 20.00  | ng    | -0.02       |
| System Monitoring Compounds    |       |      |          |        |       |             |
| 5) 2-Fluorophenol              | 5.61  | 112  | 1777406  | 115.58 | ng    | 0.00        |
| 7) Phenol-d6                   | 6.62  | 99   | 2368864  | 117.61 | ng    | 0.00        |
| 23) Nitrobenzene-d5            | 7.55  | 82   | 1506493  | 79.37  | ng    | -0.02       |
| 41) 2,4,6-Tribromophenol       | 10.83 | 330  | 598555   | 138.92 | ng    | -0.02       |
| 44) 2-Fluorobiphenyl           | 9.35  | 172  | 2375134  | 74.68  | ng    | -0.02       |
| 78) Terphenyl-d14              | 13.13 | 244  | 2765987  | 102.06 | ng    | -0.01       |
| Target Compounds               |       |      |          |        |       |             |
| 19) n-Nitroso-di-n-propylamine | 7.55  | 70   | 211879   | 14.35  | ng    | Qvalue # 63 |
| 49) Dimethylphthalate          | 9.74  | 163  | 918901   | 27.08  | ng    | 99          |

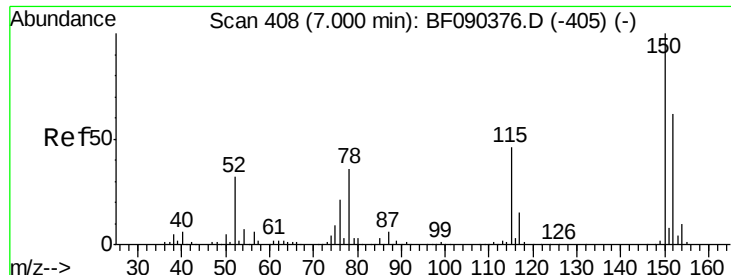
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 35 Sample Multiplier: 1

Instrument :  
BNA\_F  
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100516-07

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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF100516.M  
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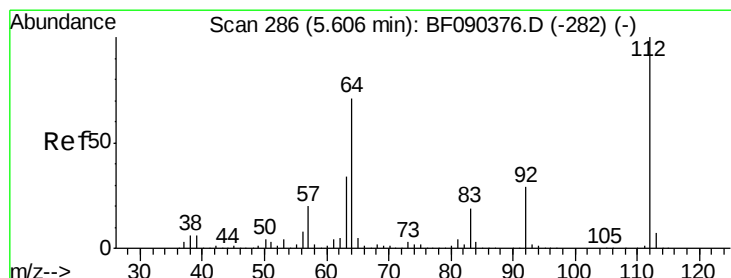
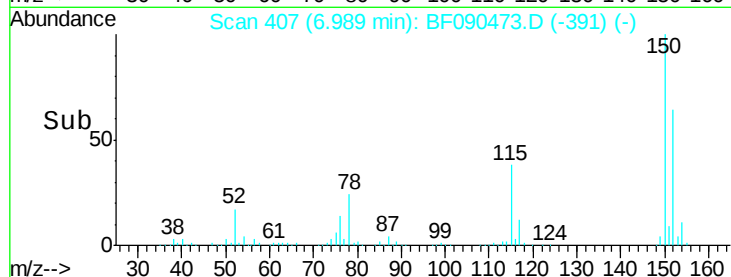
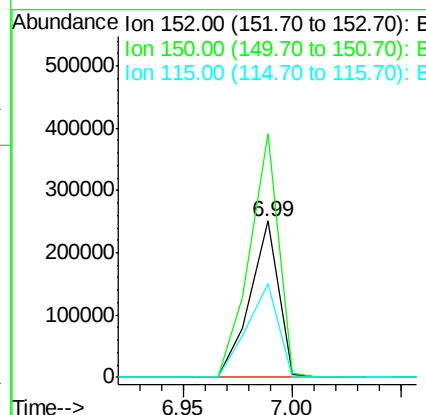
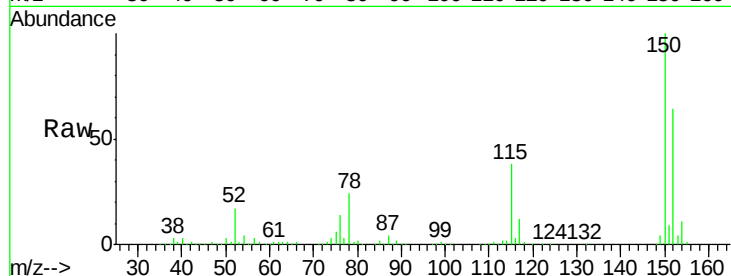




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.99 min Scan# 407  
 Delta R.T. -0.01 min  
 Lab File: BF090473.D  
 Acq: 8 Oct 2016 7:49

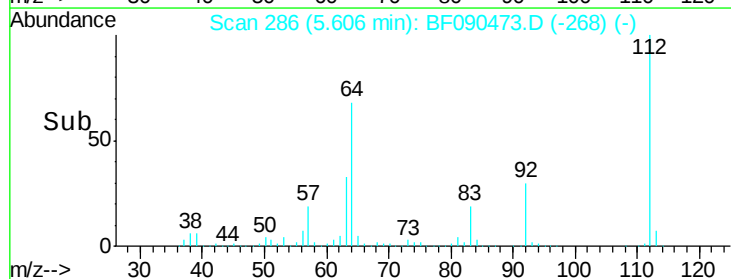
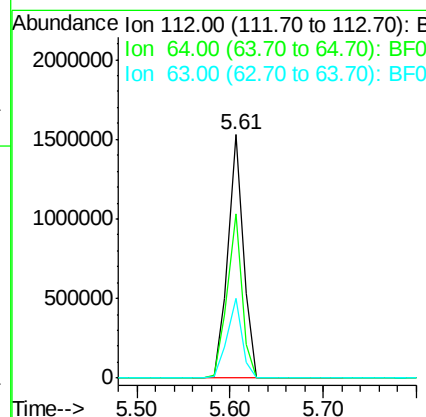
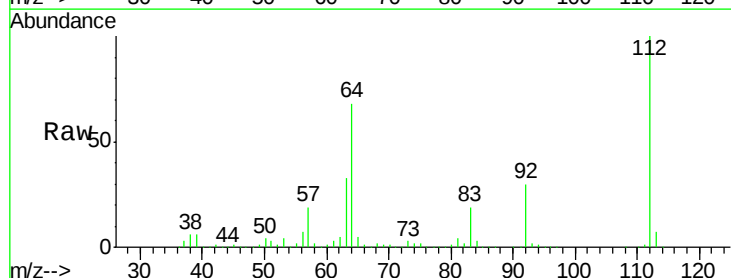
Instrument :  
 BNA\_F  
 ClientSampled :  
 100516-07

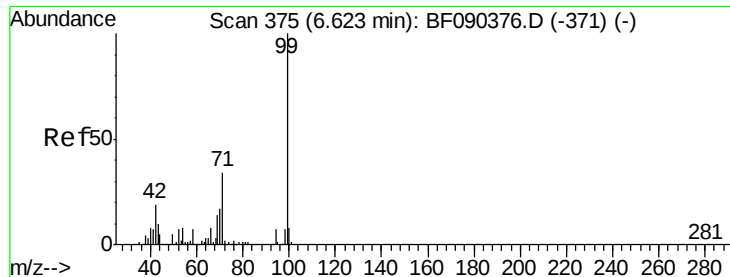
Tgt Ion:152 Resp: 229522  
 Ion Ratio Lower Upper  
 152 100  
 150 155.7 124.6 186.8  
 115 59.9 46.2 69.4



#5  
 2-Fluorophenol  
 Concen: 115.58 ng  
 RT: 5.61 min Scan# 286  
 Delta R.T. 0.00 min  
 Lab File: BF090473.D  
 Acq: 8 Oct 2016 7:49

Tgt Ion:112 Resp: 1777406  
 Ion Ratio Lower Upper  
 112 100  
 64 67.6 57.9 86.9  
 63 32.7 29.6 44.4





#7

Phenol-d6

Concen: 117.61 ng

RT: 6.62 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF090473.D

Acq: 8 Oct 2016 7:49

Instrument :

BNA\_F

ClientSampleId :

100516-07

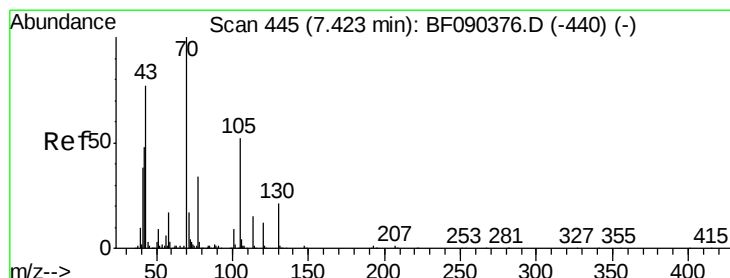
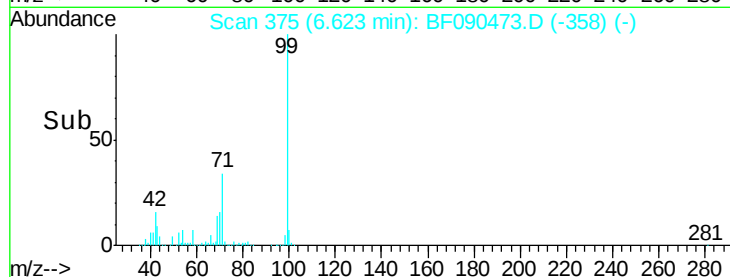
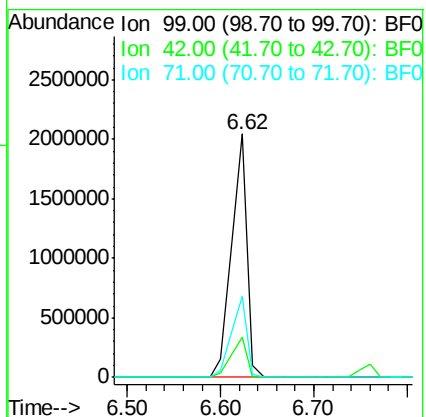
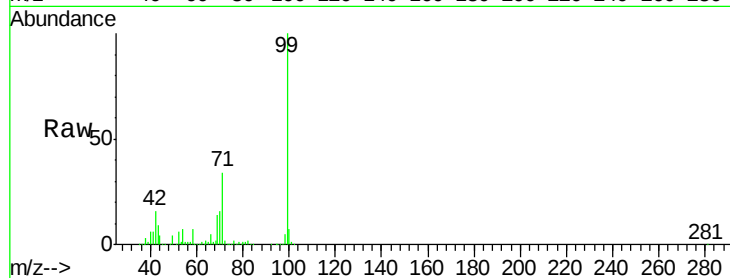
Tgt Ion: 99 Resp: 2368864

Ion Ratio Lower Upper

99 100

42 16.4 20.0 30.0#

71 33.5 27.9 41.9



#19

n-Nitroso-di-n-propylamine

Concen: 14.35 ng

RT: 7.55 min Scan# 456

Delta R.T. 0.13 min

Lab File: BF090473.D

Acq: 8 Oct 2016 7:49

Tgt Ion: 70 Resp: 211879

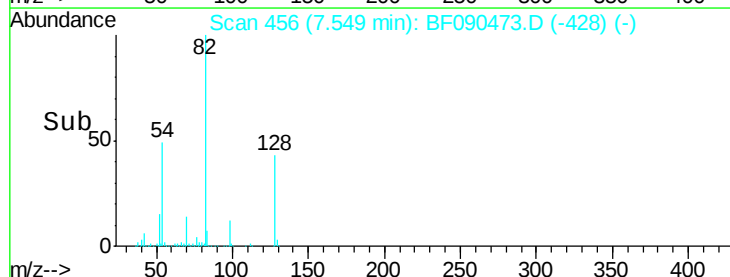
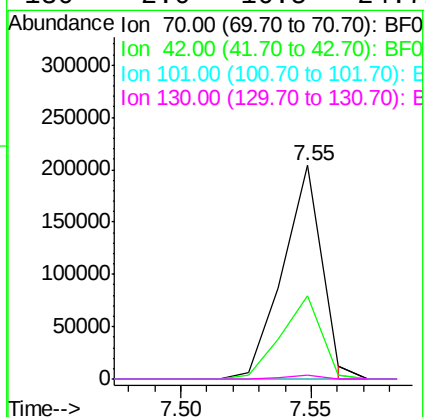
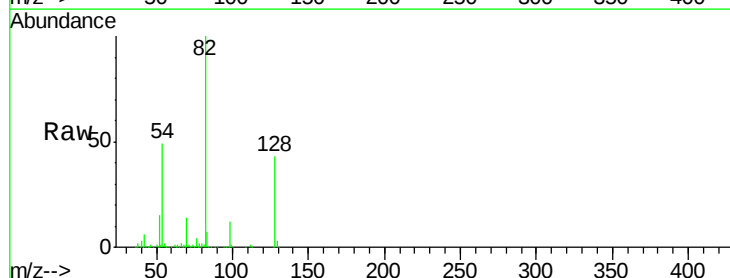
Ion Ratio Lower Upper

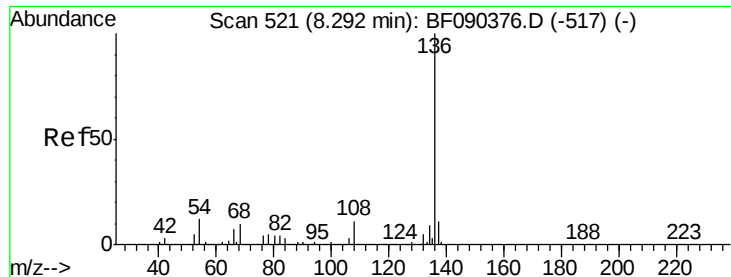
70 100

42 38.8 55.4 83.2#

101 0.0 7.6 11.4#

130 2.0 16.5 24.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.27 min Scan# 519

Delta R.T. -0.02 min

Lab File: BF090473.D

Acq: 8 Oct 2016 7:49

Instrument :

BNA\_F

ClientSampleId :

100516-07

Tgt Ion:136 Resp: 923237

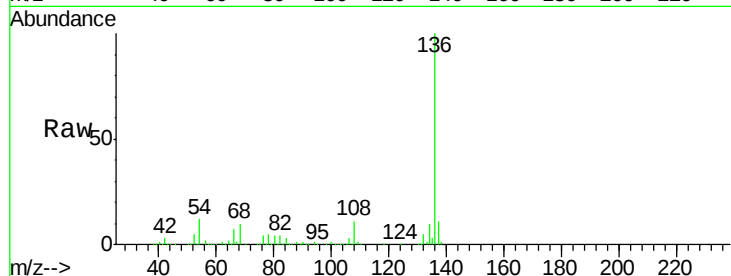
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.6

54 11.8 6.6 10.0#

68 10.1 5.0 7.6#

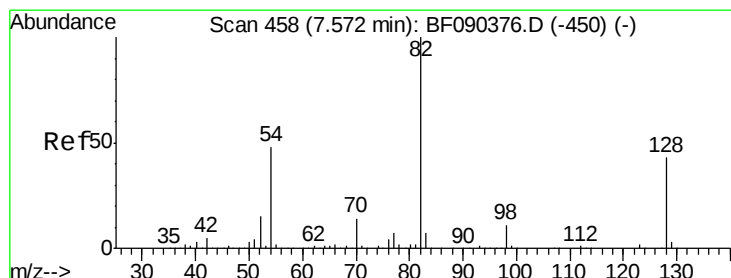
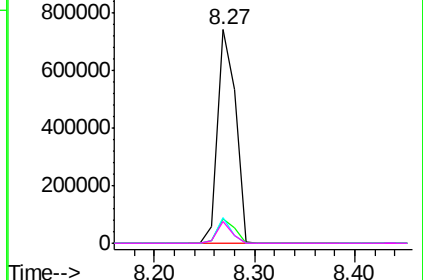
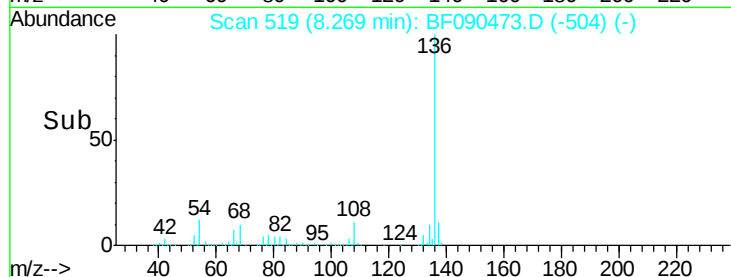


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 79.37 ng

RT: 7.55 min Scan# 456

Delta R.T. -0.02 min

Lab File: BF090473.D

Acq: 8 Oct 2016 7:49

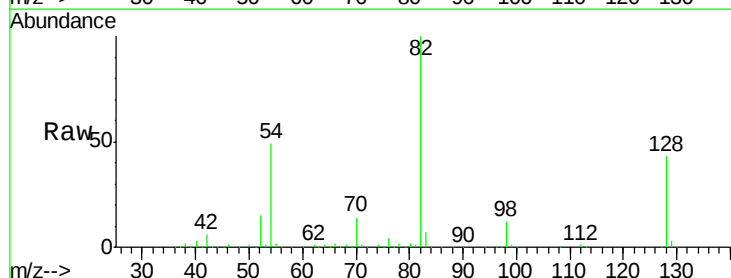
Tgt Ion: 82 Resp: 1506493

Ion Ratio Lower Upper

82 100

128 42.8 40.0 60.0

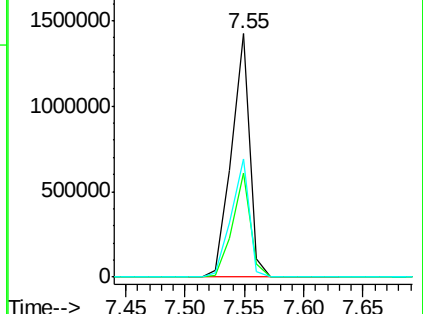
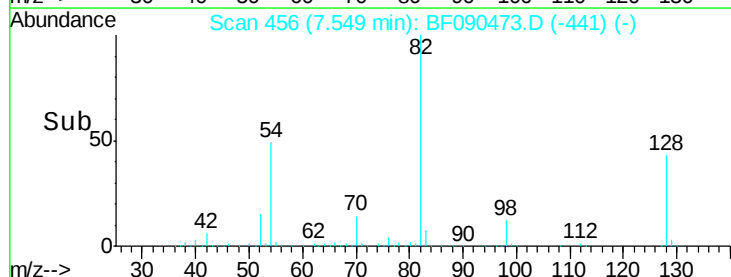
54 48.6 42.6 64.0

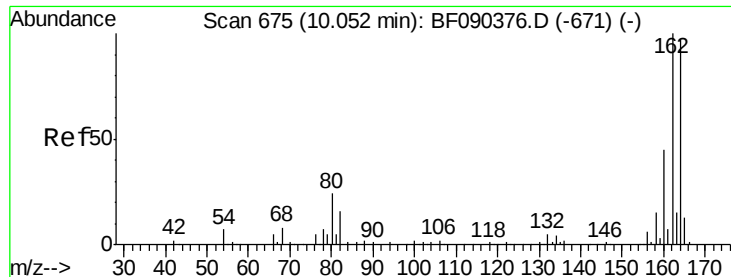


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.04 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF090473.D

Acq: 8 Oct 2016 7:49

Instrument :

BNA\_F

ClientSampleId :

100516-07

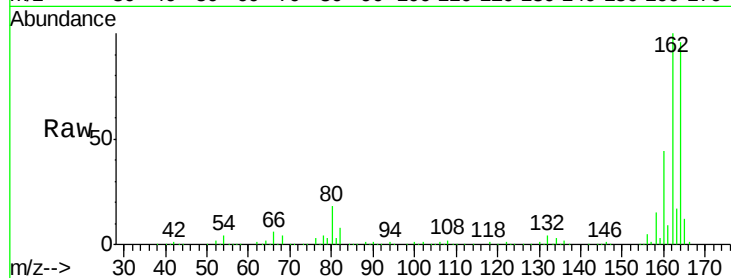
Tgt Ion:164 Resp: 529875

Ion Ratio Lower Upper

164 100

162 103.8 80.1 120.1

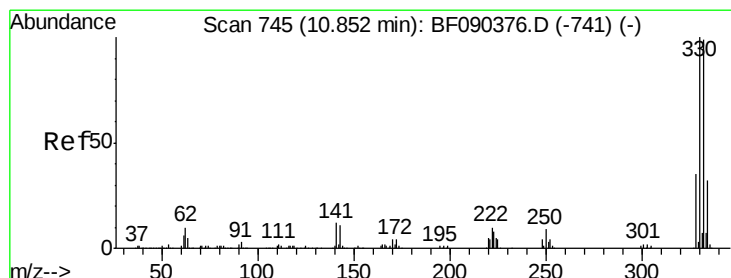
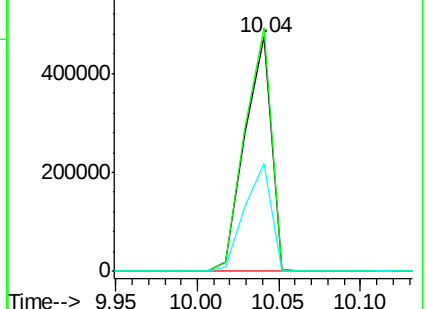
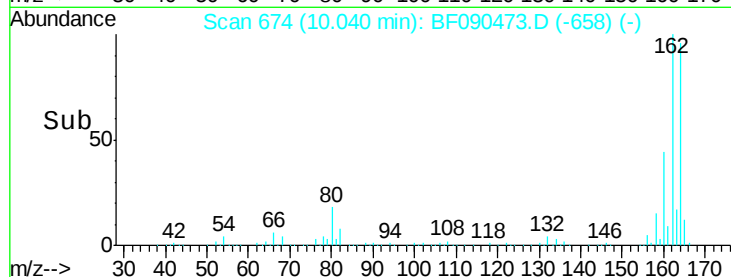
160 46.0 36.3 54.5



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: 138.92 ng

RT: 10.83 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF090473.D

Acq: 8 Oct 2016 7:49

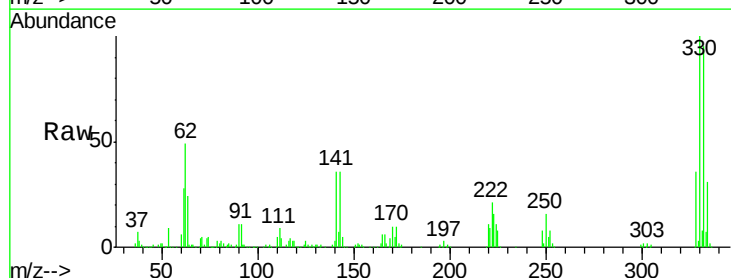
Tgt Ion:330 Resp: 598555

Ion Ratio Lower Upper

330 100

332 95.8 75.4 113.0

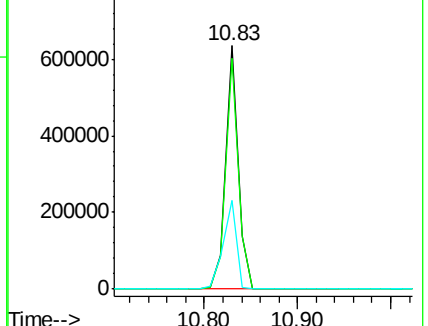
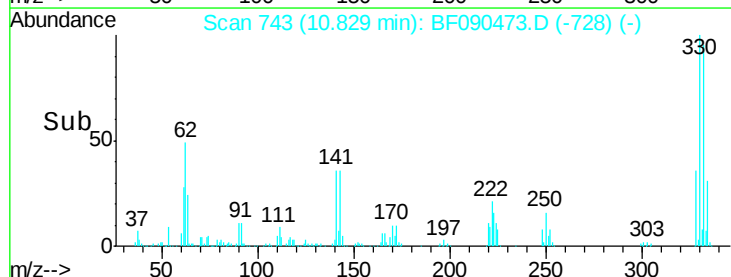
141 38.1 26.9 40.3

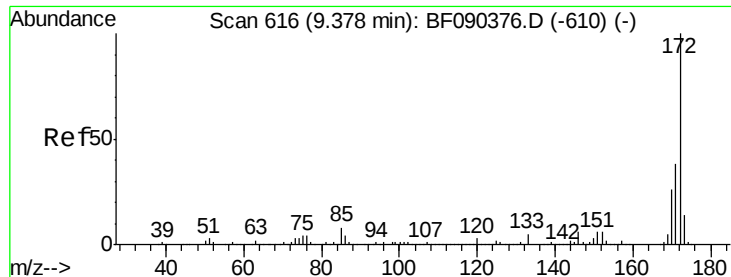


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

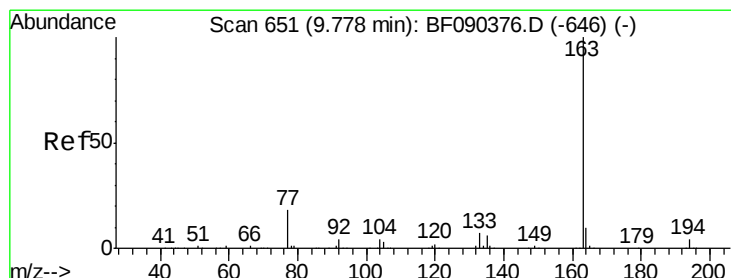
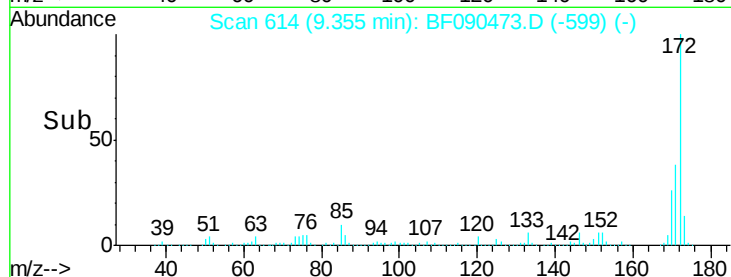
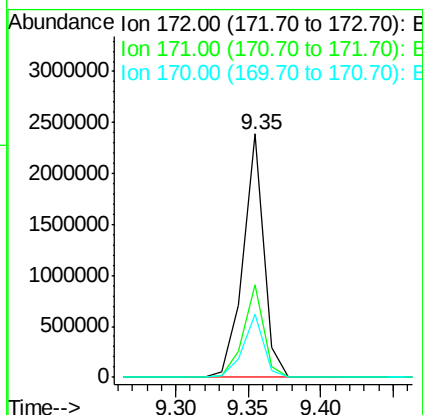
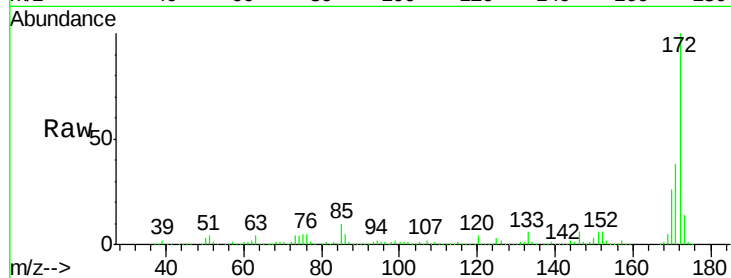




#44  
 2-Fluorobiphenyl  
 Concen: 74.68 ng  
 RT: 9.35 min Scan# 614  
 Delta R.T. -0.02 min  
 Lab File: BF090473.D  
 Acq: 8 Oct 2016 7:49

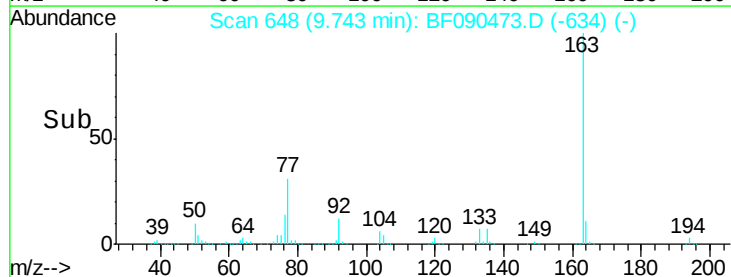
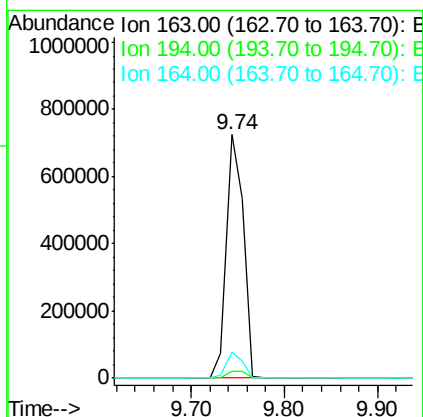
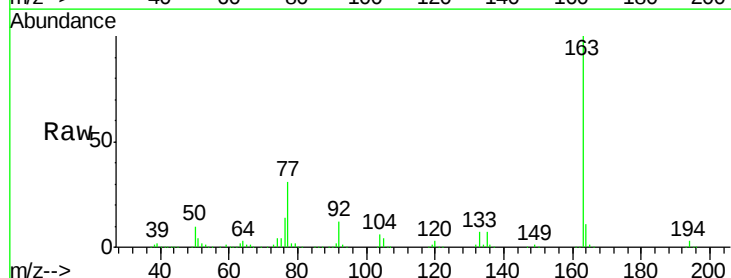
Instrument :  
 BNA\_F  
 ClientSampleId :  
 100516-07

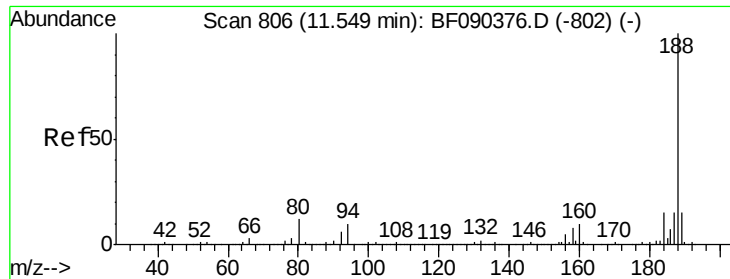
Tgt Ion:172 Resp: 2375134  
 Ion Ratio Lower Upper  
 172 100  
 171 38.0 31.8 47.8  
 170 25.9 21.7 32.5



#49  
 Dimethylphthalate  
 Concen: 27.08 ng  
 RT: 9.74 min Scan# 648  
 Delta R.T. -0.03 min  
 Lab File: BF090473.D  
 Acq: 8 Oct 2016 7:49

Tgt Ion:163 Resp: 918901  
 Ion Ratio Lower Upper  
 163 100  
 194 2.9 2.8 4.2  
 164 10.7 9.0 13.4

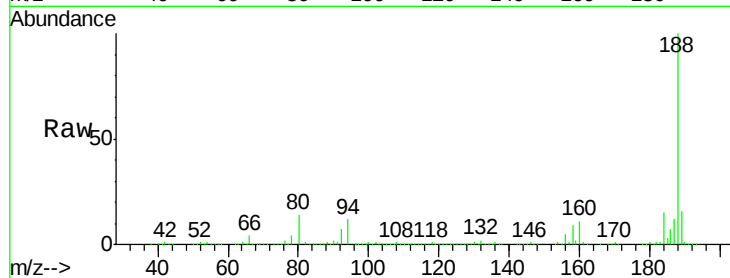




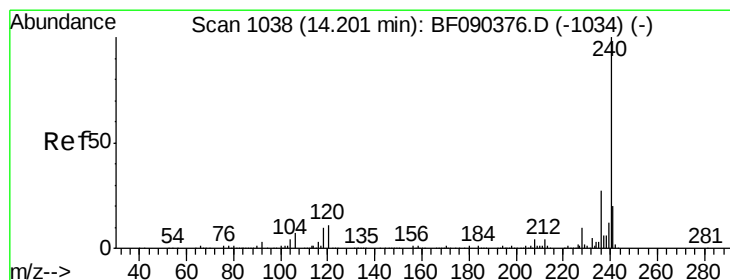
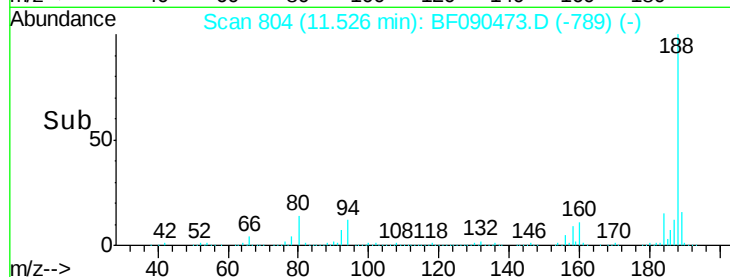
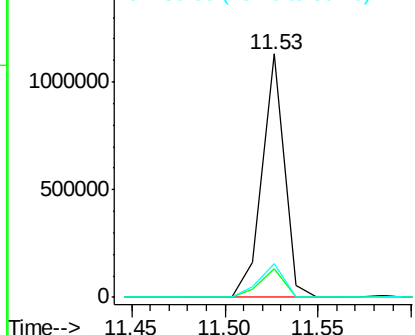
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.53 min Scan# 804  
Delta R.T. -0.02 min  
Lab File: BF090473.D  
Acq: 8 Oct 2016 7:49

Instrument :  
BNA\_F  
ClientSampleId :  
100516-07

Tgt Ion:188 Resp: 928688  
Ion Ratio Lower Upper  
188 100  
94 11.9 8.2 12.2  
80 13.7 8.8 13.2#

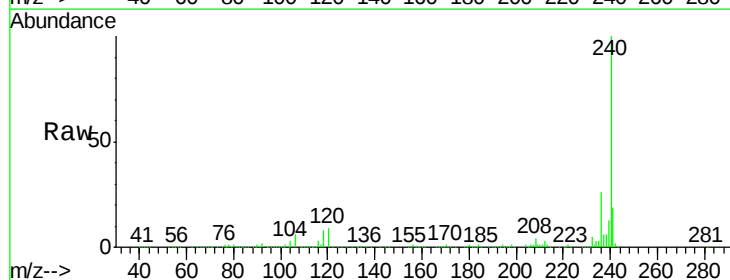


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

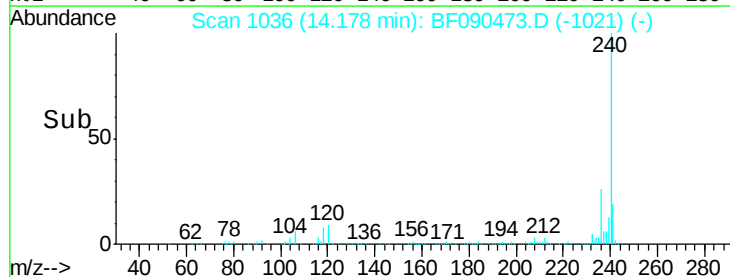
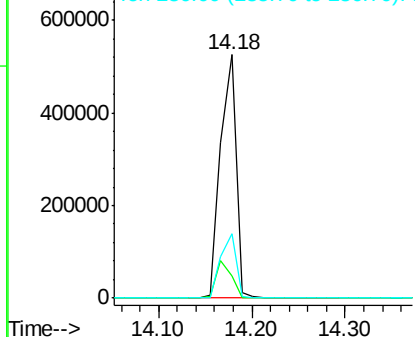


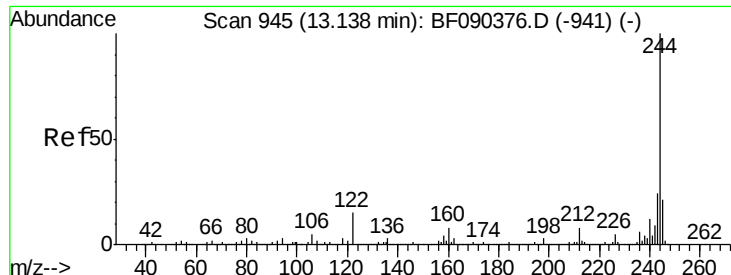
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.18 min Scan# 1036  
Delta R.T. -0.02 min  
Lab File: BF090473.D  
Acq: 8 Oct 2016 7:49

Tgt Ion:240 Resp: 609274  
Ion Ratio Lower Upper  
240 100  
120 9.1 8.6 13.0  
236 26.3 21.6 32.4



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: 102.06 ng

RT: 13.13 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF090473.D

Acq: 8 Oct 2016 7:49

Instrument :

BNA\_F

ClientSampleId :

100516-07

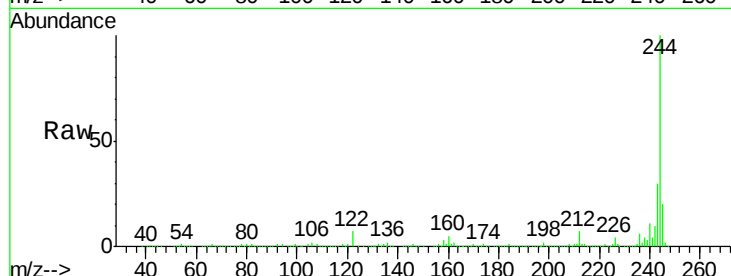
Tgt Ion:244 Resp: 2765987

Ion Ratio Lower Upper

244 100

212 6.6 6.8 10.2#

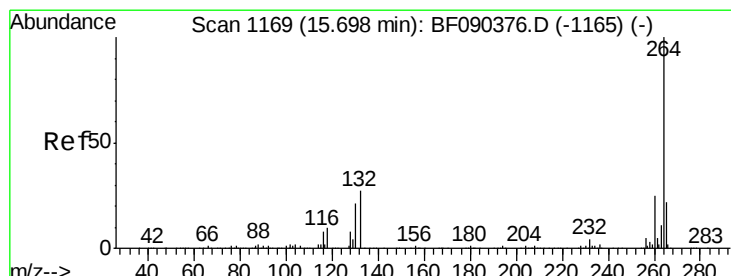
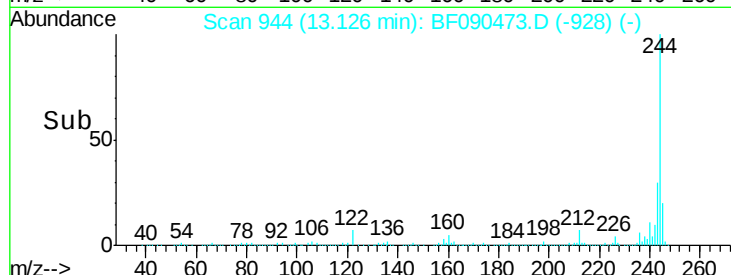
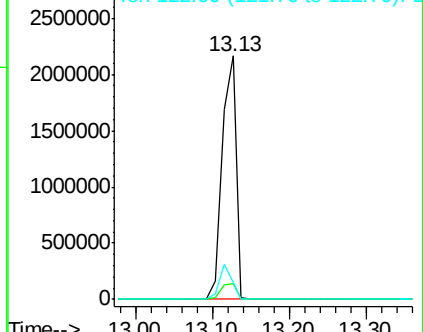
122 6.9 13.3 19.9#



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: 15.68 min Scan# 1167

Delta R.T. -0.02 min

Lab File: BF090473.D

Acq: 8 Oct 2016 7:49

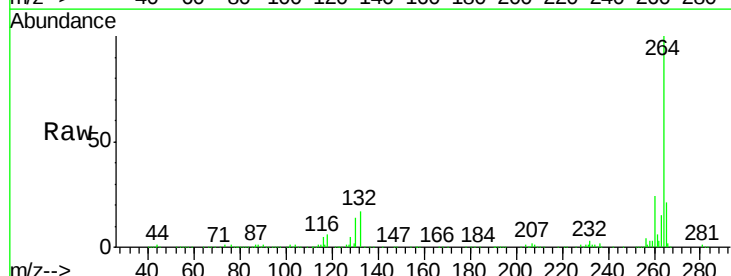
Tgt Ion:264 Resp: 413232

Ion Ratio Lower Upper

264 100

260 24.2 19.3 28.9

265 21.3 17.4 26.0



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

