

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100616\  
 Data File : BF090434.D  
 Acq On : 6 Oct 2016 22:37  
 Operator : UM/SJ  
 Sample : H5121-01  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 T-1

Quant Time: Oct 07 00:11:17 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

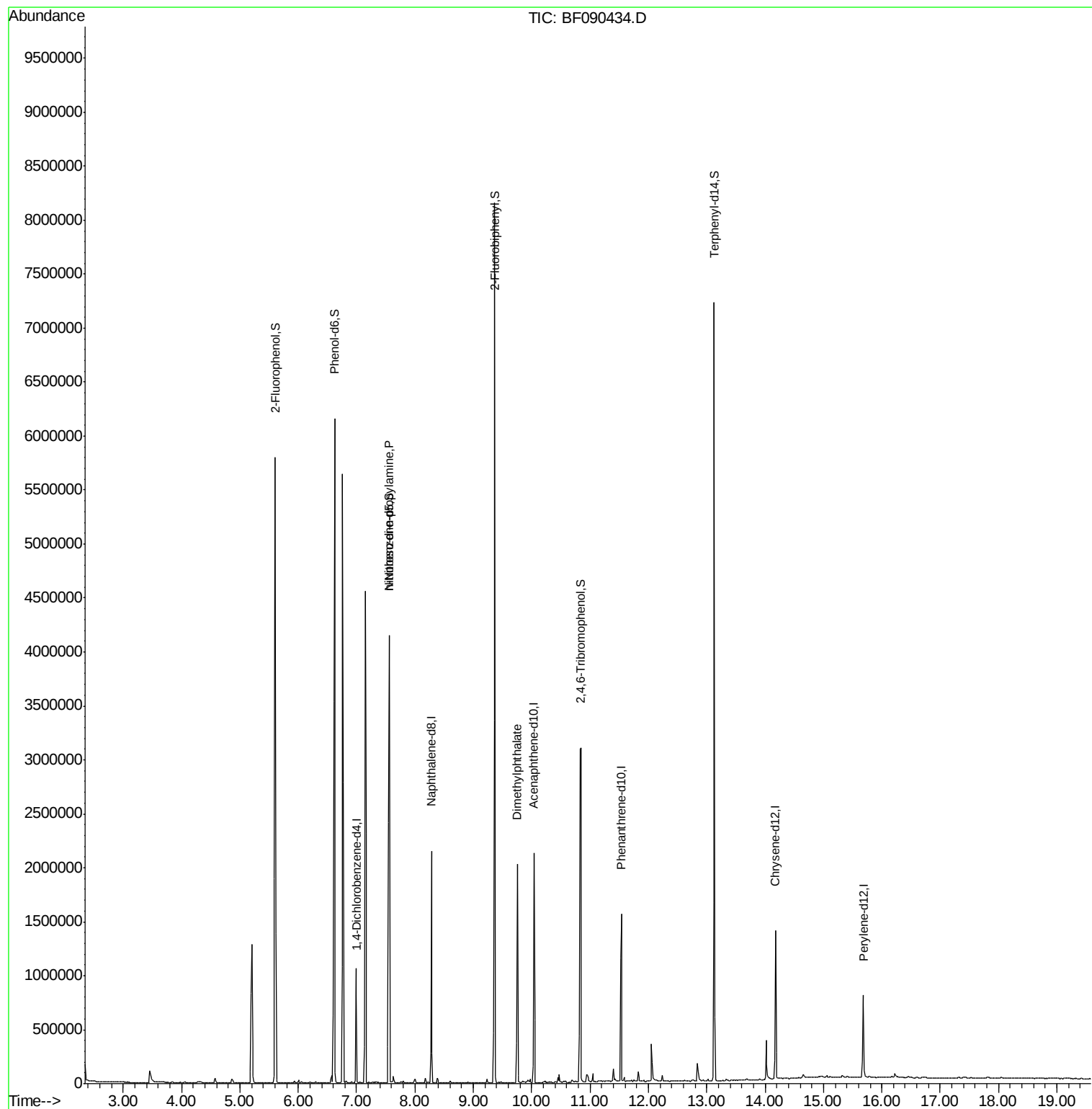
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.00  | 152  | 204156   | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8             | 8.28  | 136  | 879286   | 20.00  | ng    | -0.01       |
| 38) Acenaphthene-d10           | 10.04 | 164  | 426742   | 20.00  | ng    | -0.01       |
| 63) Phenanthrene-d10           | 11.54 | 188  | 701280   | 20.00  | ng    | -0.01       |
| 75) Chrysene-d12               | 14.18 | 240  | 408471   | 20.00  | ng    | -0.02       |
| 86) Perylene-d12               | 15.69 | 264  | 380299   | 20.00  | ng    | -0.01       |
| System Monitoring Compounds    |       |      |          |        |       |             |
| 5) 2-Fluorophenol              | 5.61  | 112  | 1777116  | 129.91 | ng    | 0.00        |
| 7) Phenol-d6                   | 6.62  | 99   | 2572458  | 143.58 | ng    | 0.00        |
| 23) Nitrobenzene-d5            | 7.56  | 82   | 1706908  | 94.43  | ng    | -0.01       |
| 41) 2,4,6-Tribromophenol       | 10.84 | 330  | 619488   | 178.53 | ng    | -0.01       |
| 44) 2-Fluorobiphenyl           | 9.37  | 172  | 2616486  | 102.16 | ng    | -0.01       |
| 78) Terphenyl-d14              | 13.13 | 244  | 2032303  | 111.86 | ng    | -0.01       |
| Target Compounds               |       |      |          |        |       |             |
| 19) n-Nitroso-di-n-propylamine | 7.56  | 70   | 239031   | 18.19  | ng    | Qvalue # 62 |
| 49) Dimethylphthalate          | 9.75  | 163  | 726281   | 26.57  | ng    | 98          |

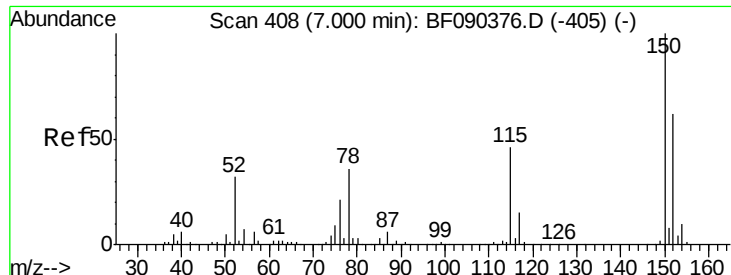
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 13 Sample Multiplier: 1

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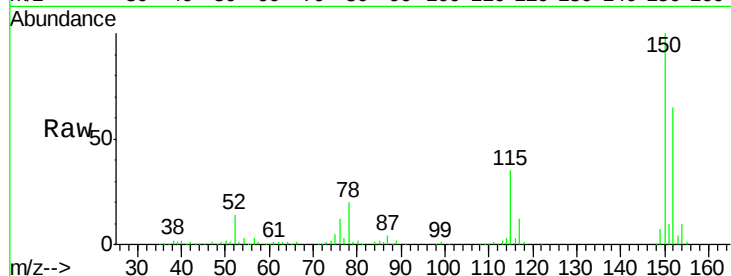




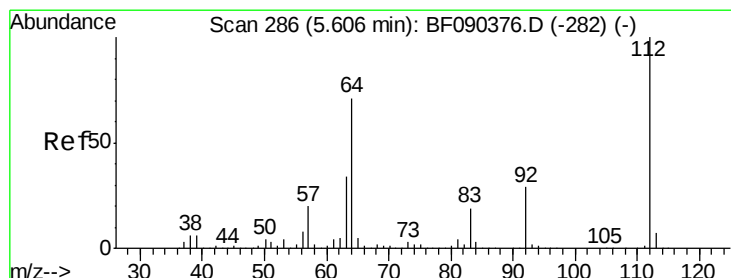
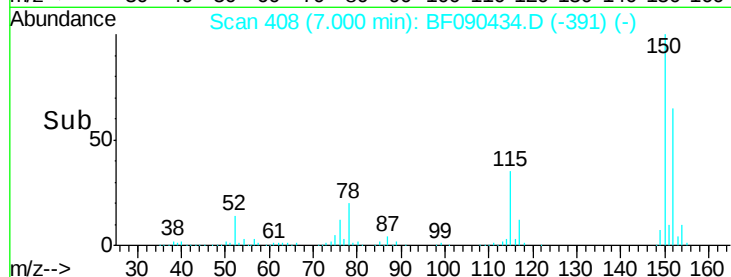
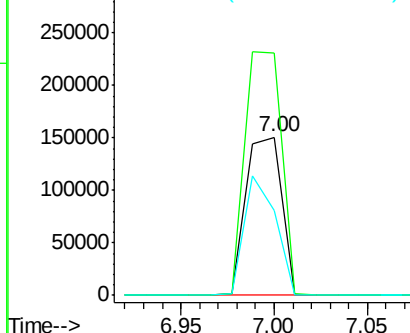
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.00 min Scan# 408  
 Delta R.T. -0.00 min  
 Lab File: BF090434.D  
 Acq: 6 Oct 2016 22:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 T-1

Tgt Ion:152 Resp: 204156  
 Ion Ratio Lower Upper  
 152 100  
 150 153.0 124.6 186.8  
 115 53.6 46.2 69.4

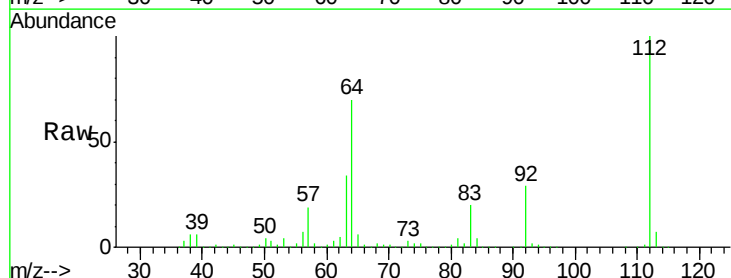


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

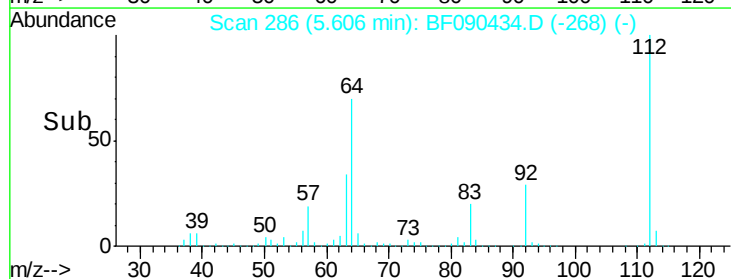
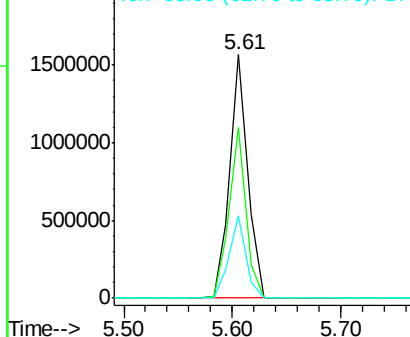


#5  
 2-Fluorophenol  
 Concen: 129.91 ng  
 RT: 5.61 min Scan# 286  
 Delta R.T. 0.00 min  
 Lab File: BF090434.D  
 Acq: 6 Oct 2016 22:37

Tgt Ion:112 Resp: 1777116  
 Ion Ratio Lower Upper  
 112 100  
 64 70.3 57.9 86.9  
 63 33.7 29.6 44.4



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BF0  
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 143.58 ng

RT: 6.62 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF090434.D

Acq: 6 Oct 2016 22:37

Instrument :

BNA\_F

ClientSampleId :

T-1

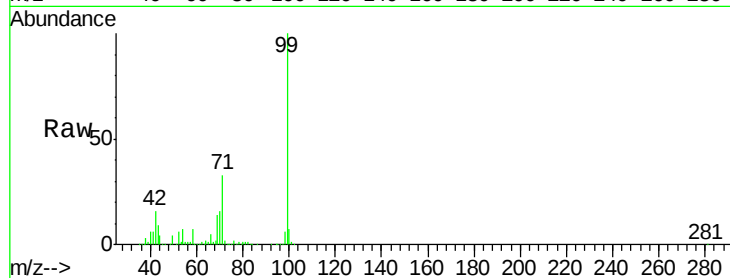
Tgt Ion: 99 Resp: 2572458

Ion Ratio Lower Upper

99 100

42 16.3 20.0 30.0#

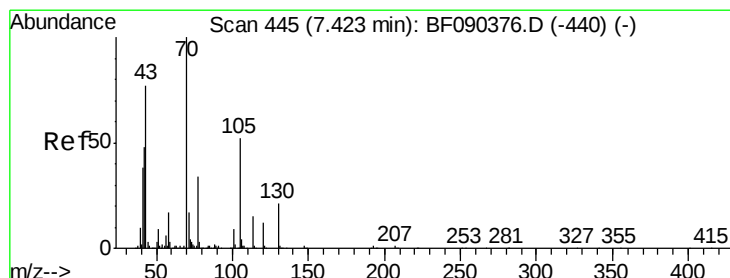
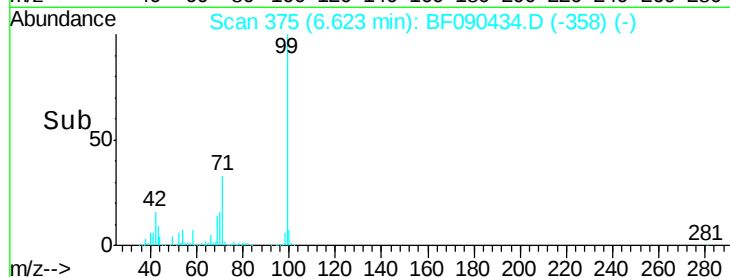
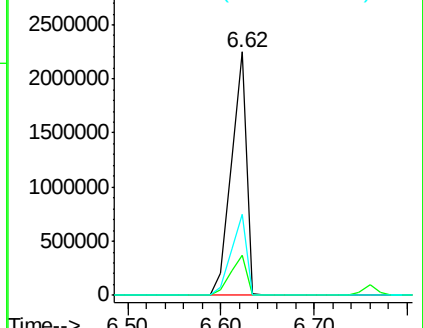
71 33.5 27.9 41.9



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 18.19 ng

RT: 7.56 min Scan# 457

Delta R.T. 0.14 min

Lab File: BF090434.D

Acq: 6 Oct 2016 22:37

Tgt Ion: 70 Resp: 239031

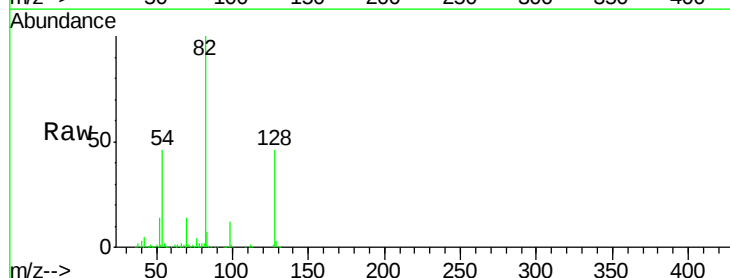
Ion Ratio Lower Upper

70 100

42 37.4 55.4 83.2#

101 0.0 7.6 11.4#

130 2.2 16.5 24.7#

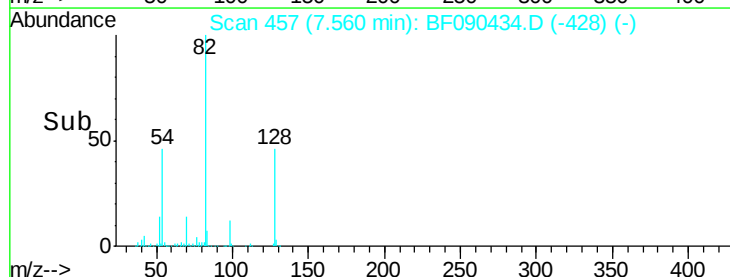
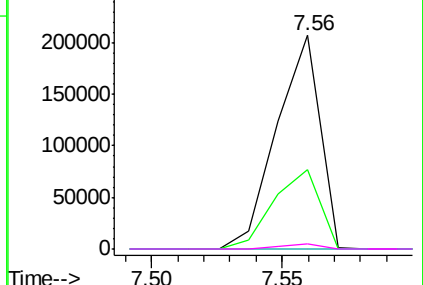


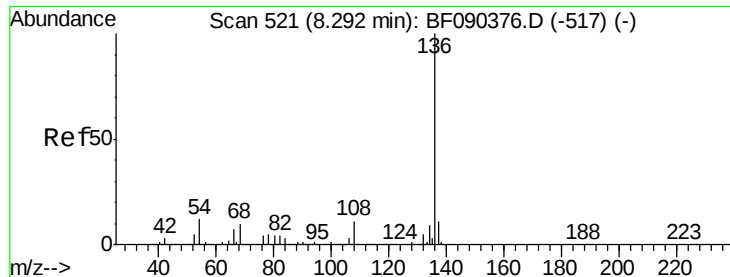
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.28 min Scan# 520

Delta R.T. -0.01 min

Lab File: BF090434.D

Acq: 6 Oct 2016 22:37

Instrument :

BNA\_F

ClientSampleId :

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Tgt Ion:136 Resp: 879286

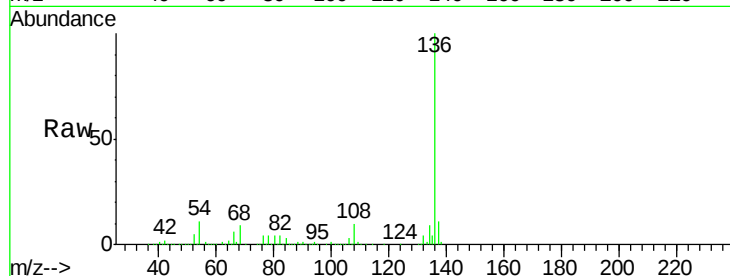
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.6

54 10.7 6.6 10.0#

68 9.4 5.0 7.6#

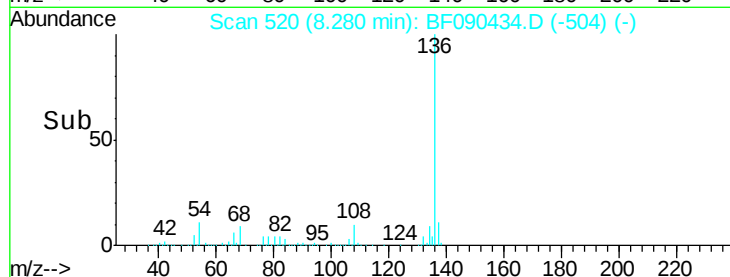


Abundance Ion 136.00 (135.70 to 136.70): E

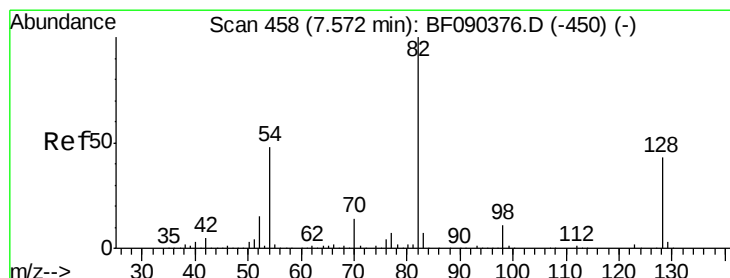
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 94.43 ng

RT: 7.56 min Scan# 457

Delta R.T. -0.01 min

Lab File: BF090434.D

Acq: 6 Oct 2016 22:37

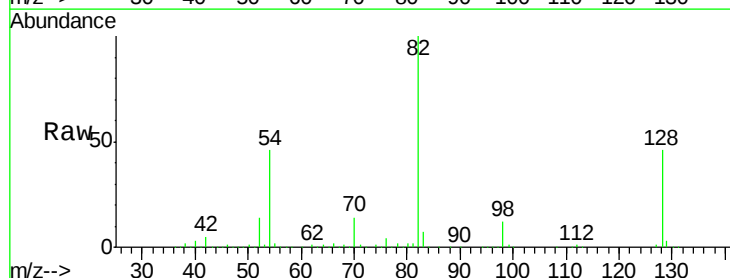
Tgt Ion: 82 Resp: 1706908

Ion Ratio Lower Upper

82 100

128 46.1 40.0 60.0

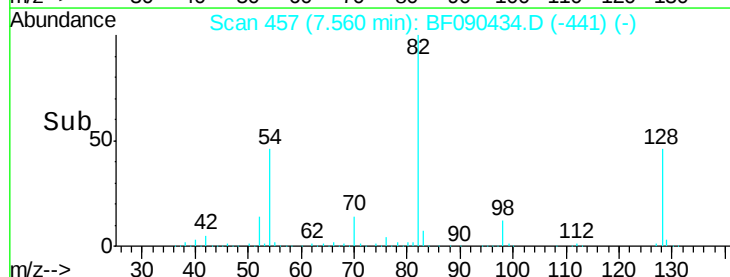
54 46.1 42.6 64.0



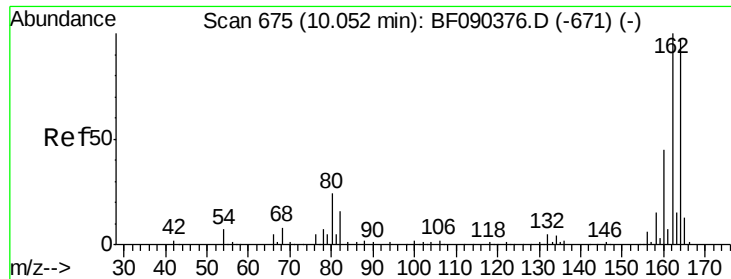
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.04 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF090434.D

Acq: 6 Oct 2016 22:37

Instrument :

BNA\_F

ClientSampleId :

T-1

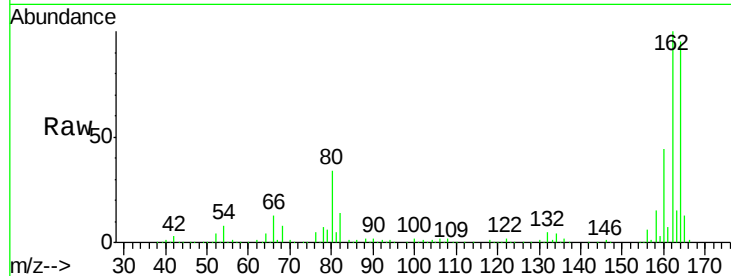
Tgt Ion:164 Resp: 426742

Ion Ratio Lower Upper

164 100

162 105.1 80.1 120.1

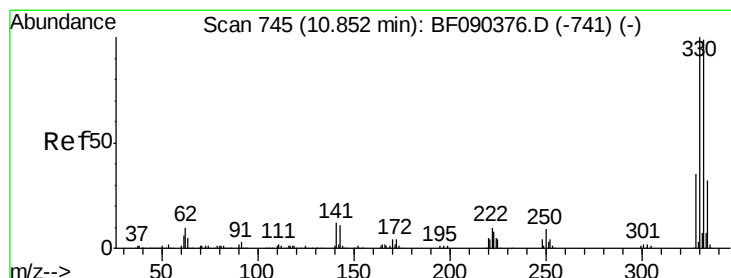
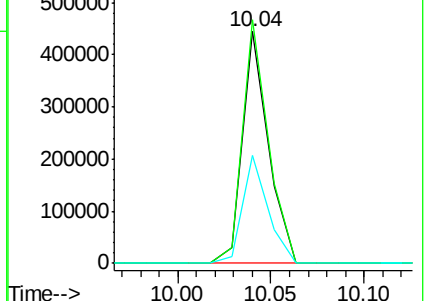
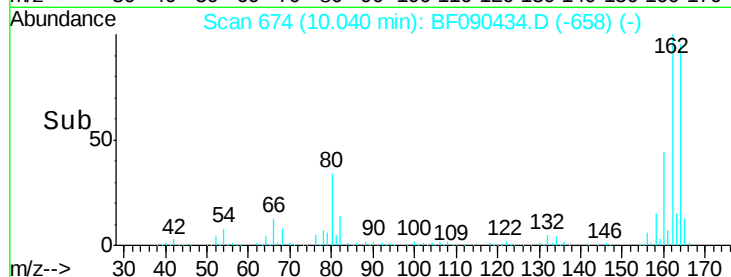
160 46.6 36.3 54.5



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: 178.53 ng

RT: 10.84 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF090434.D

Acq: 6 Oct 2016 22:37

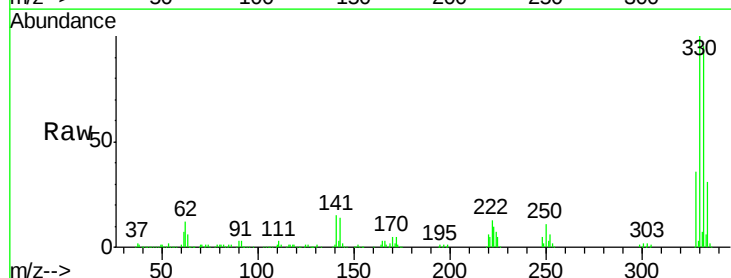
Tgt Ion:330 Resp: 619488

Ion Ratio Lower Upper

330 100

332 94.7 75.4 113.0

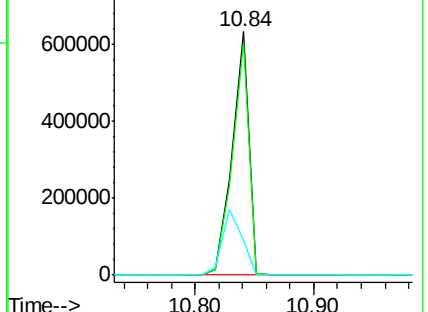
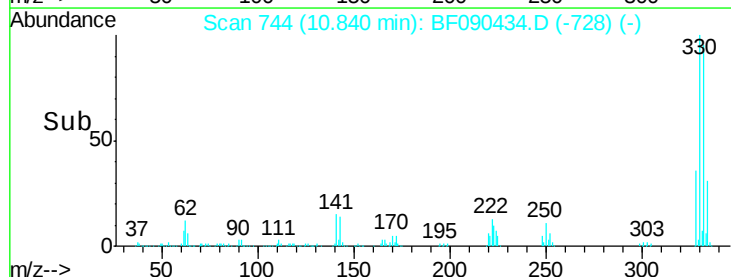
141 31.8 26.9 40.3

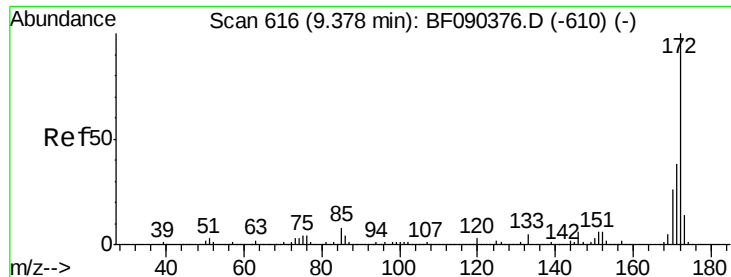


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

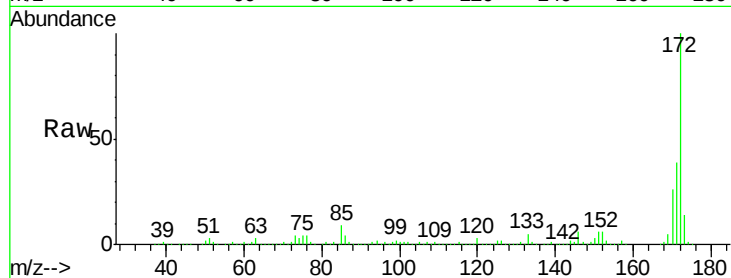




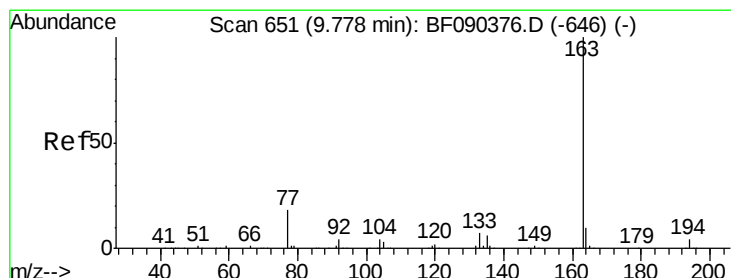
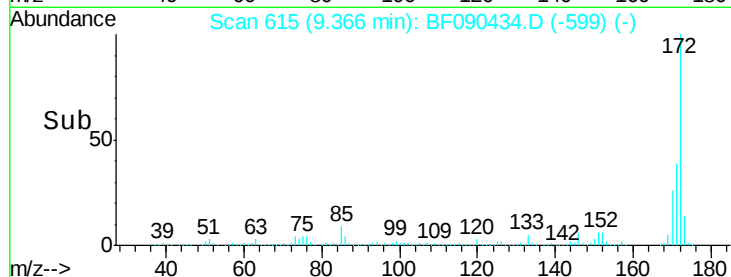
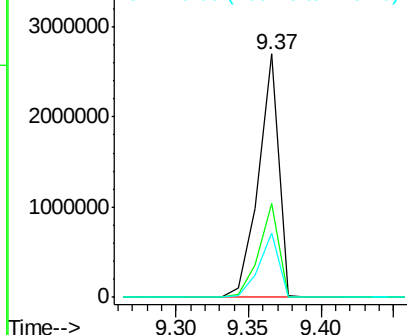
#44  
2-Fluorobiphenyl  
Concen: 102.16 ng  
RT: 9.37 min Scan# 615  
Delta R.T. -0.01 min  
Lab File: BF090434.D  
Acq: 6 Oct 2016 22:37

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BNA\_F  
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T-1

Tgt Ion:172 Resp: 2616486  
Ion Ratio Lower Upper  
172 100  
171 38.6 31.8 47.8  
170 26.2 21.7 32.5

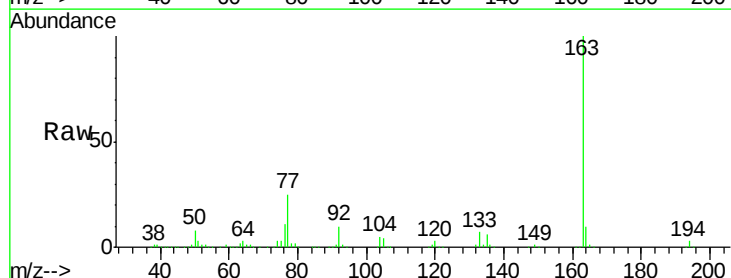


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

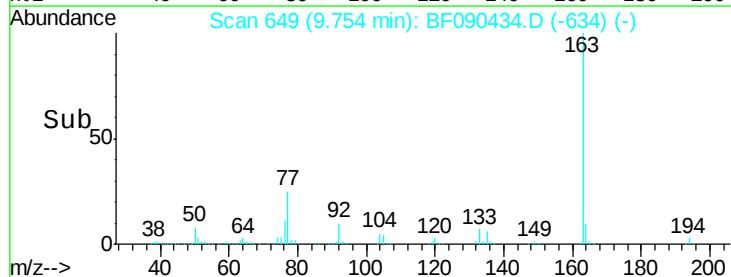
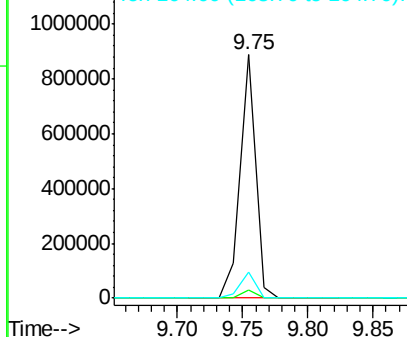


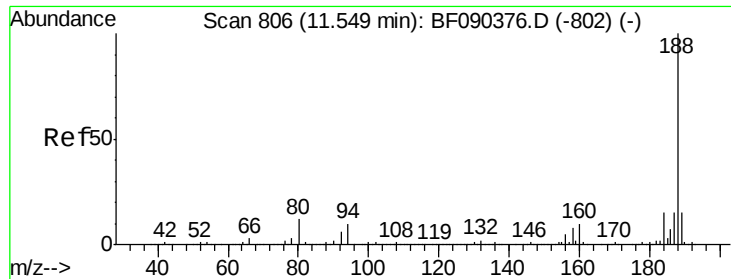
#49  
Dimethylphthalate  
Concen: 26.57 ng  
RT: 9.75 min Scan# 649  
Delta R.T. -0.02 min  
Lab File: BF090434.D  
Acq: 6 Oct 2016 22:37

Tgt Ion:163 Resp: 726281  
Ion Ratio Lower Upper  
163 100  
194 3.3 2.8 4.2  
164 10.5 9.0 13.4



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

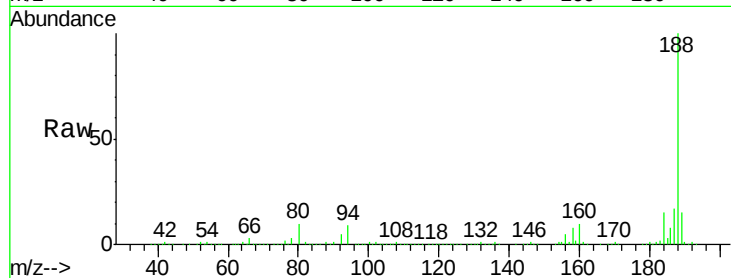




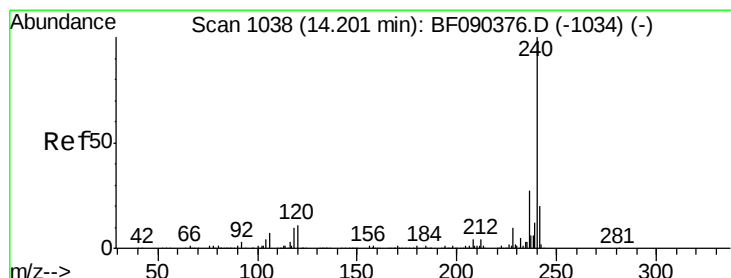
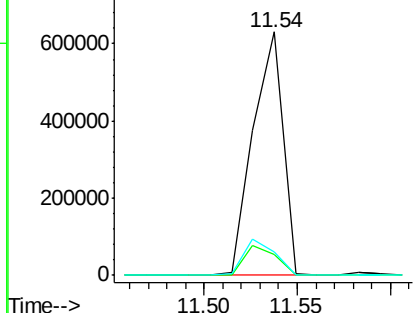
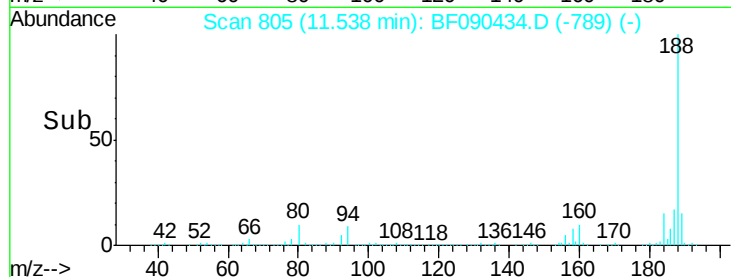
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.54 min Scan# 805  
Delta R.T. -0.01 min  
Lab File: BF090434.D  
Acq: 6 Oct 2016 22:37

Instrument :  
BNA\_F  
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Tgt Ion:188 Resp: 701280  
Ion Ratio Lower Upper  
188 100  
94 8.6 8.2 12.2  
80 9.7 8.8 13.2

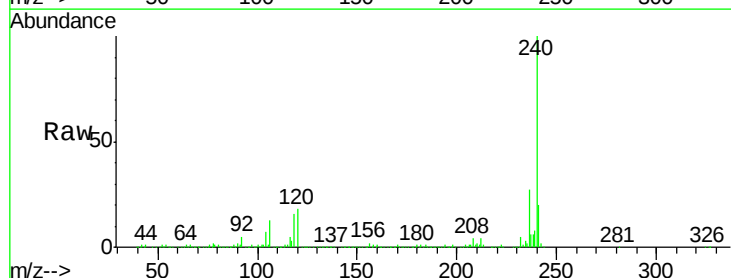


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

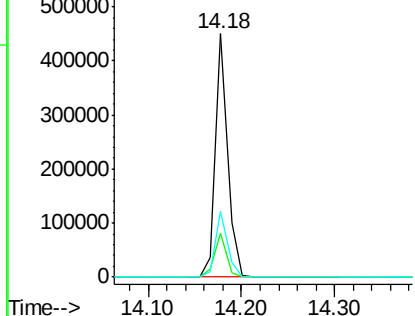
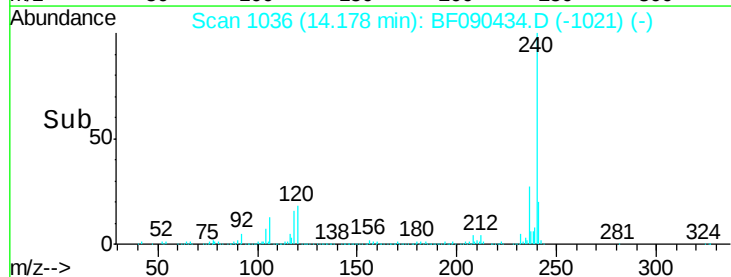


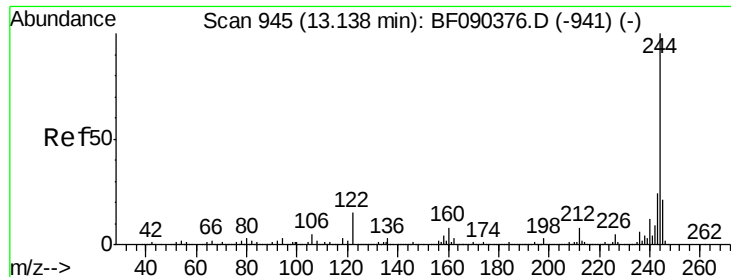
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.18 min Scan# 1036  
Delta R.T. -0.02 min  
Lab File: BF090434.D  
Acq: 6 Oct 2016 22:37

Tgt Ion:240 Resp: 408471  
Ion Ratio Lower Upper  
240 100  
120 17.9 8.6 13.0#  
236 27.2 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: 111.86 ng

RT: 13.13 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF090434.D

Acq: 6 Oct 2016 22:37

Instrument :

BNA\_F

ClientSampleId :

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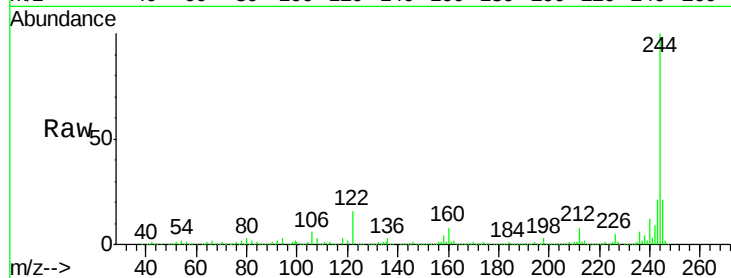
Tgt Ion:244 Resp: 2032303

Ion Ratio Lower Upper

244 100

212 7.9 6.8 10.2

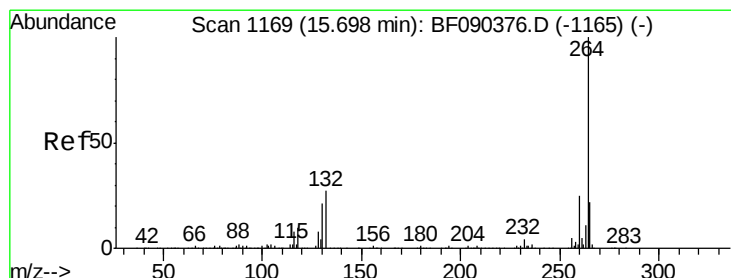
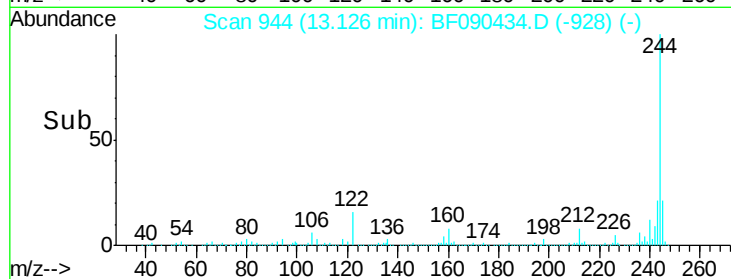
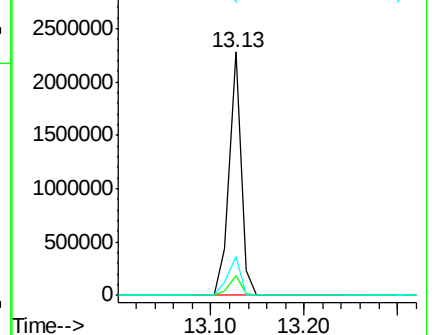
122 15.8 13.3 19.9



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: 15.69 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF090434.D

Acq: 6 Oct 2016 22:37

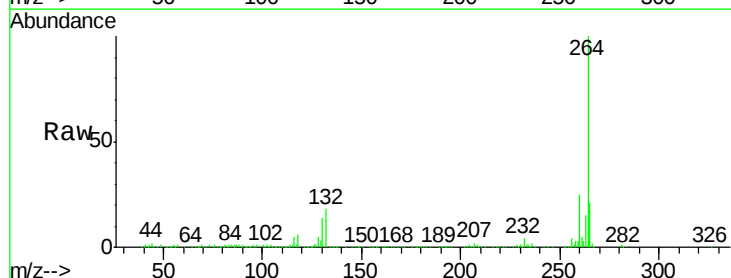
Tgt Ion:264 Resp: 380299

Ion Ratio Lower Upper

264 100

260 24.6 19.3 28.9

265 20.9 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

