

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF102215\  
 Data File : BF082457.D  
 Acq On : 22 Oct 2015 21:01  
 Operator : UM/IZ  
 Sample : G4119-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB15-45-2.5-3

Quant Time: Oct 23 01:41:05 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 23 01:26:32 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.75  | 152  | 107833   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.06  | 136  | 471140   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.81  | 164  | 182724   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.30 | 188  | 296919   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.01 | 240  | 217179   | 20.00 | ng    | 0.01     |
| 86) Perylene-d12          | 15.56 | 264  | 198022   | 20.00 | ng    | 0.02     |

## System Monitoring Compounds

|                          |       |     |        |        |    |       |
|--------------------------|-------|-----|--------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.38  | 112 | 428399 | 80.18  | ng | 0.02  |
| 7) Phenol-d6             | 6.43  | 99  | 704922 | 101.38 | ng | 0.01  |
| 23) Nitrobenzene-d5      | 7.34  | 82  | 455204 | 64.88  | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.61 | 330 | 8474   | 4.95   | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 9.13  | 172 | 757474 | 68.75  | ng | -0.01 |
| 78) Terphenyl-d14        | 12.90 | 244 | 518334 | 63.25  | ng | 0.01  |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 6) Aniline                     | 6.45  | 93  | 28091   | 3.13   | ng | # 1    |
| 9) Benzaldehyde                | 6.31  | 77  | 24302   | 6.84   | ng | # 67   |
| 10) Phenol                     | 6.45  | 94  | 151451  | 18.89  | ng | 90     |
| 15) Benzyl Alcohol             | 6.93  | 79  | 26584   | 5.54   | ng | 91     |
| 19) n-Nitroso-di-n-propylamine | 7.18  | 70  | 43705   | 8.95   | ng | # 70   |
| 20) 3+4-Methylphenols          | 7.22  | 107 | 14247   | 2.32   | ng | # 69   |
| 22) Acetophenone               | 7.18  | 105 | 71371   | 7.66   | ng | # 84   |
| 25) Isophorone                 | 7.50  | 82  | 40145   | 2.84   | ng | # 58   |
| 26) 2-Nitrophenol              | 7.83  | 139 | 9750    | 2.57   | ng | 95     |
| 31) Naphthalene                | 8.07  | 128 | 114325  | 5.60   | ng | 99     |
| 32) Benzoic acid               | 7.85  | 122 | 42761   | 10.43  | ng | 94     |
| 35) Caprolactam                | 8.49  | 113 | 8067    | 4.55   | ng | # 1    |
| 36) 4-Chloro-3-methylphenol    | 8.64  | 107 | 147335  | 24.67  | ng | # 22   |
| 37) 2-Methylnaphthalene        | 8.77  | 142 | 65620   | 4.63   | ng | 98     |
| 49) Dimethylphthalate          | 9.54  | 163 | 933093  | 72.52  | ng | # 99   |
| 51) Acenaphthene               | 9.84  | 154 | 92213   | 8.99   | ng | 99     |
| 53) 2,4-Dinitrophenol          | 10.10 | 184 | 4522    | 9.14   | ng | 95     |
| 54) Dibenzofuran               | 10.01 | 168 | 64744   | 4.60   | ng | # 75   |
| 57) Fluorene                   | 10.35 | 166 | 91640   | 7.92   | ng | # 92   |
| 59) Diethylphthalate           | 10.24 | 149 | 340120  | 28.36  | ng | 97     |
| 65) n-Nitrosodiphenylamine     | 10.47 | 169 | 73250   | 8.24   | ng | # 59   |
| 68) Atrazine                   | 10.99 | 200 | 6787    | 2.41   | ng | # 29   |
| 70) Phenanthrene               | 11.33 | 178 | 805807  | 55.37  | ng | 99     |
| 71) Anthracene                 | 11.38 | 178 | 219408  | 14.63  | ng | 97     |
| 72) Carbazole                  | 11.54 | 167 | 98880   | 7.23   | ng | # 89   |
| 73) Di-n-butylphthalate        | 11.88 | 149 | 58688   | 3.48   | ng | # 83   |
| 74) Fluoranthene               | 12.54 | 202 | 1724933 | 110.35 | ng | 98     |
| 77) Pyrene                     | 12.77 | 202 | 1442783 | 111.94 | ng | 99     |
| 79) Butylbenzylphthalate       | 13.40 | 149 | 57216   | 9.73   | ng | # 92   |
| 80) Benzo(a)anthracene         | 14.00 | 228 | 595267  | 52.68  | ng | 98     |
| 82) Chrysene                   | 14.04 | 228 | 507905  | 42.66  | ng | 96     |
| 83) Bis(2-ethylhexyl)phthalate | 13.99 | 149 | 867052  | 103.32 | ng | 100    |
| 84) Di-n-octyl phthalate       | 14.68 | 149 | 256284  | 17.78  | ng | # 78   |
| 85) Indeno(1,2,3-cd)pyrene     | 16.96 | 276 | 225209  | 23.80  | ng | 96     |

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF102215\  
Data File : BF082457.D  
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Sample : G4119-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB15-45-2.5-3

Quant Time: Oct 23 01:41:05 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 23 01:26:32 2015  
Response via : Initial Calibration

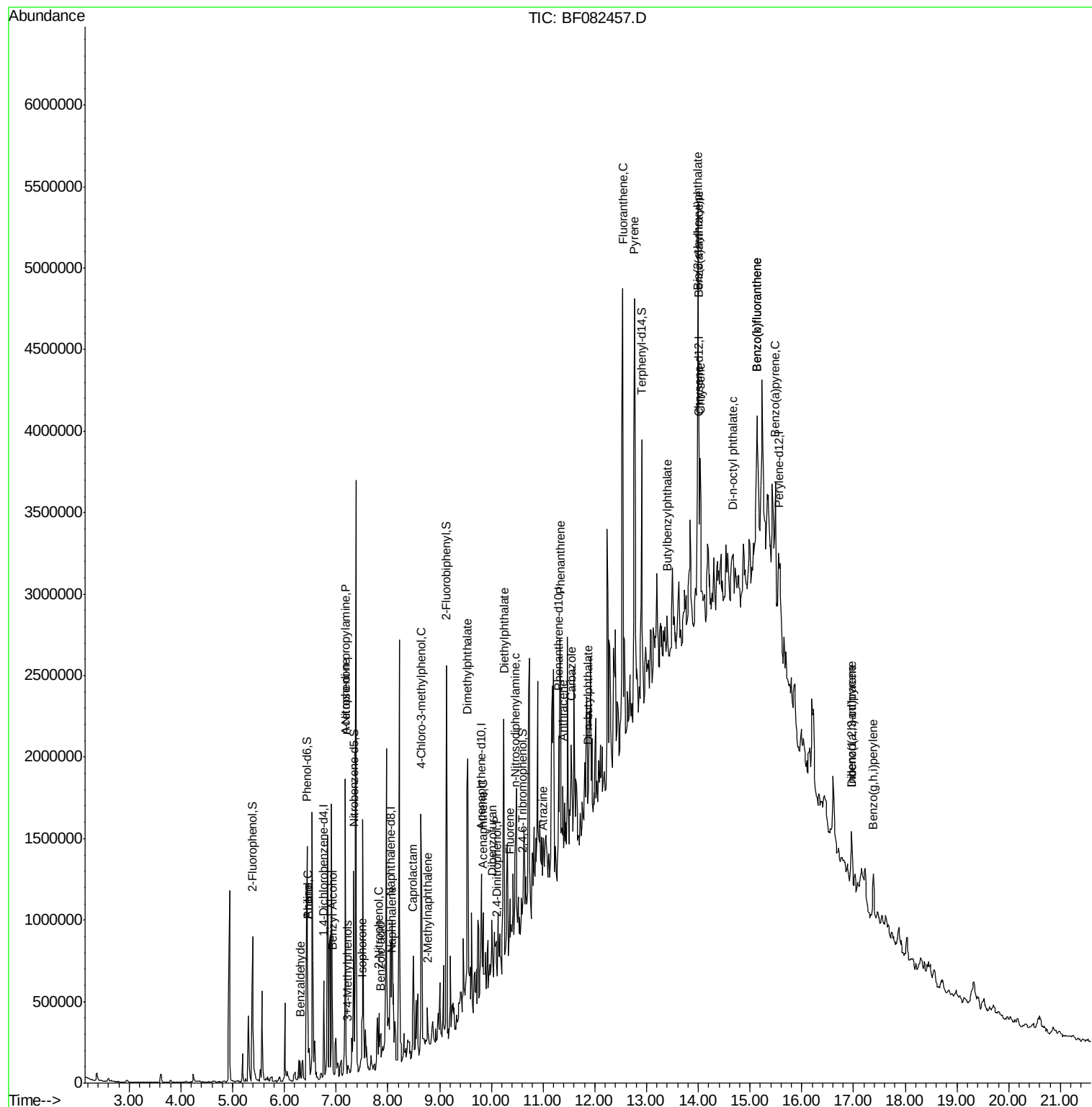
| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 87) Benzo(b)fluoranthene   | 15.13 | 252  | 826951   | 68.64 | ng    | # 90     |
| 88) Benzo(k)fluoranthene   | 15.13 | 252  | 826951   | 81.66 | ng    | # 89     |
| 89) Benzo(a)pyrene         | 15.49 | 252  | 390514   | 37.72 | ng    | # 85     |
| 90) Dibenzo(a,h)anthracene | 16.96 | 278  | 53665    | 6.32  | ng    | # 71     |
| 91) Benzo(g,h,i)perylene   | 17.38 | 276  | 205819   | 24.97 | ng    | 96       |

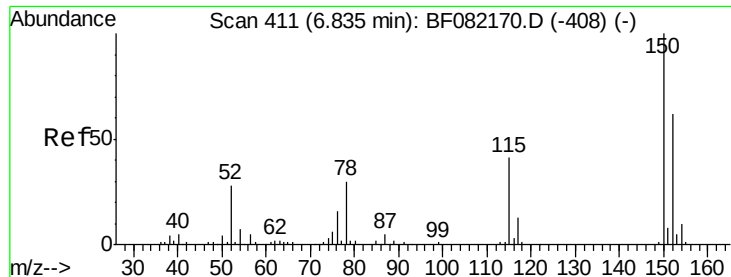
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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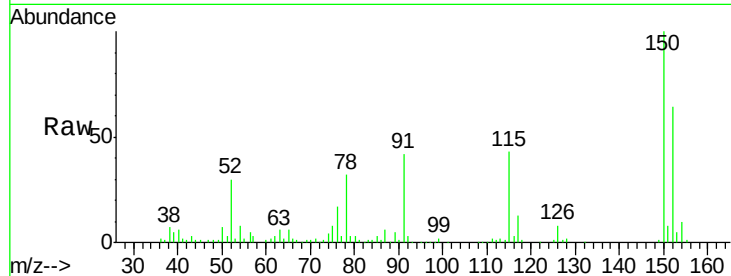


#1

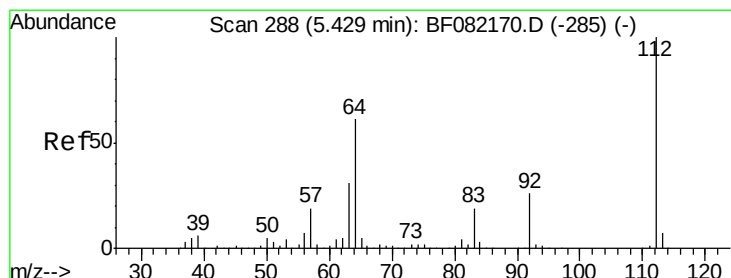
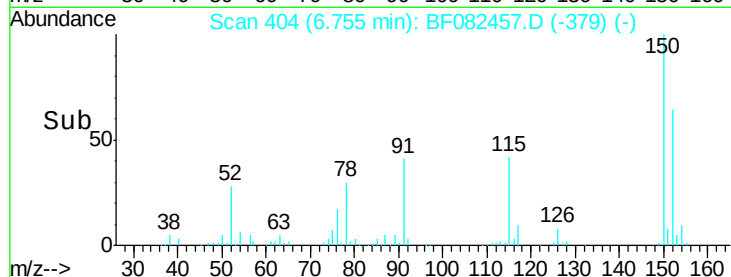
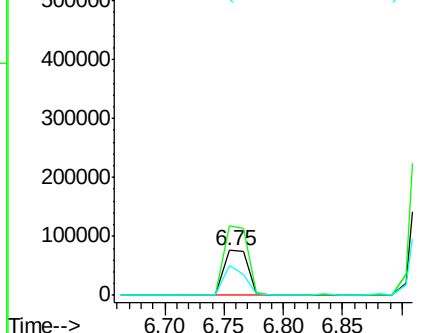
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.75 min Scan# 404  
Delta R.T. -0.01 min  
Lab File: BF082457.D  
Acq: 22 Oct 2015 21:01

Instrument :  
BNA\_F  
ClientSampleId :  
SB15-45-2.5-3

Tgt Ion:152 Resp: 107833  
Ion Ratio Lower Upper  
152 100  
150 155.7 129.0 193.4  
115 66.8 52.1 78.1



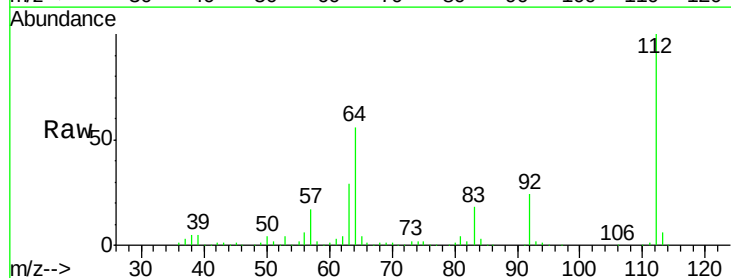
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



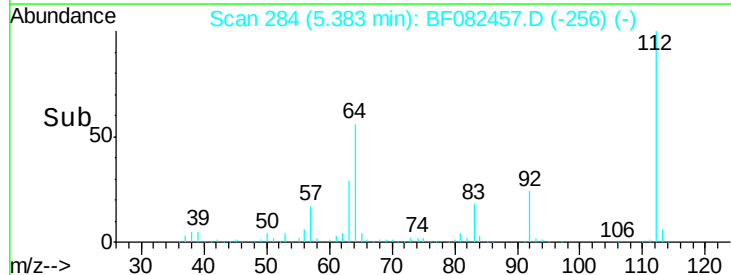
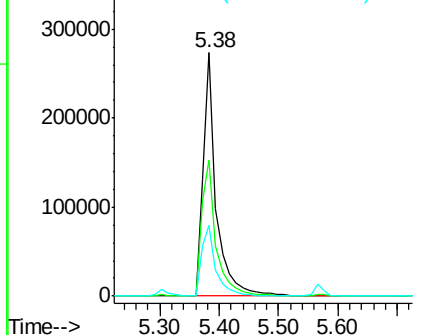
#5

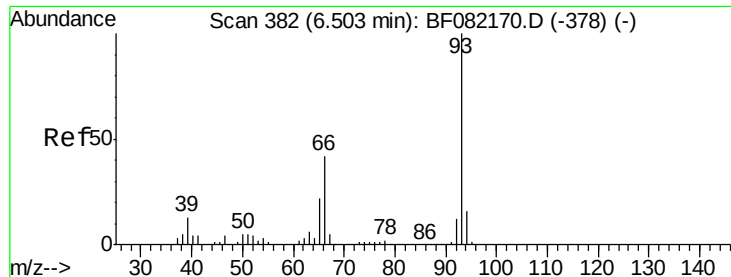
2-Fluorophenol  
Concen: 80.18 ng  
RT: 5.38 min Scan# 284  
Delta R.T. 0.02 min  
Lab File: BF082457.D  
Acq: 22 Oct 2015 21:01

Tgt Ion:112 Resp: 428399  
Ion Ratio Lower Upper  
112 100  
64 55.7 48.6 73.0  
63 29.1 25.1 37.7



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





#6

Aniline

Concen: 3.13 ng

RT: 6.45 min Scan# 377

Delta R.T. 0.01 min

Lab File: BF082457.D

Acq: 22 Oct 2015 21:01

Instrument :

BNA\_F

ClientSampleId :

SB15-45-2.5-3

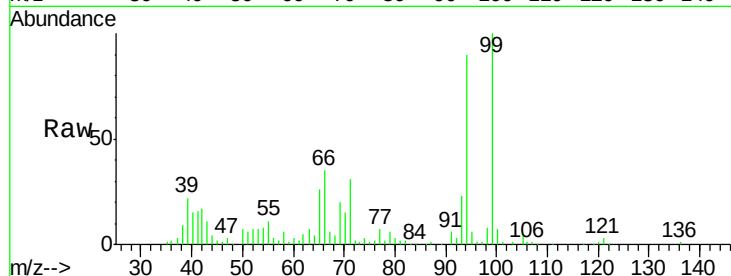
Tgt Ion: 93 Resp: 28091

Ion Ratio Lower Upper

93 100

66 154.1 34.2 51.2#

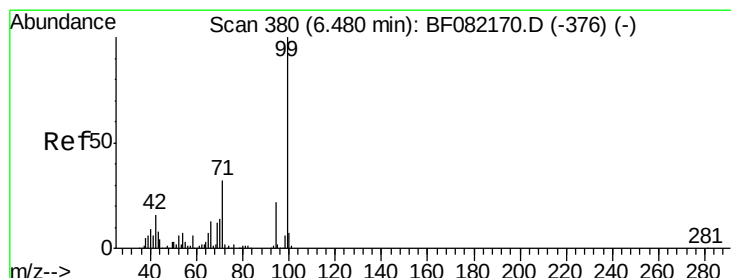
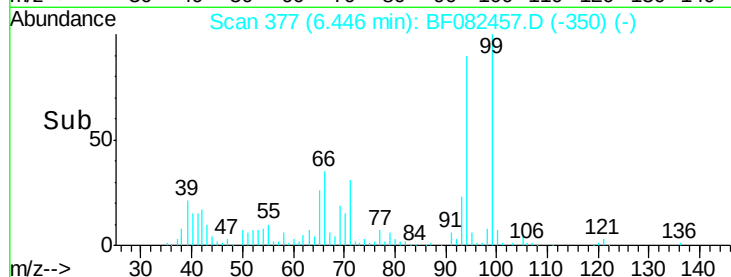
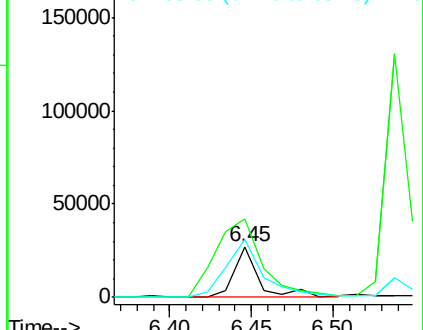
65 114.7 17.9 26.9#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 101.38 ng

RT: 6.43 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF082457.D

Acq: 22 Oct 2015 21:01

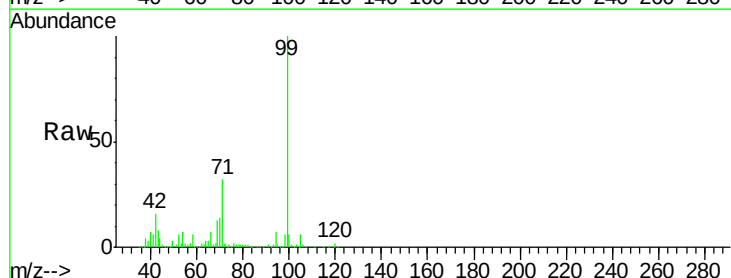
Tgt Ion: 99 Resp: 704922

Ion Ratio Lower Upper

99 100

42 16.0 13.2 19.8

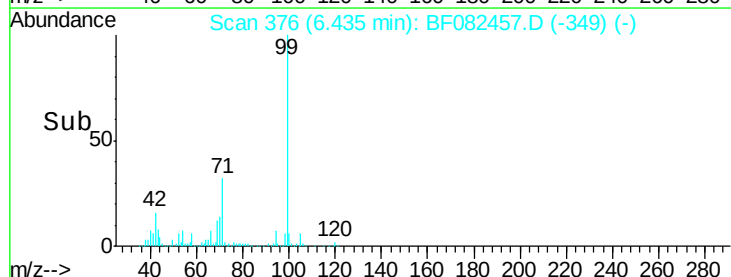
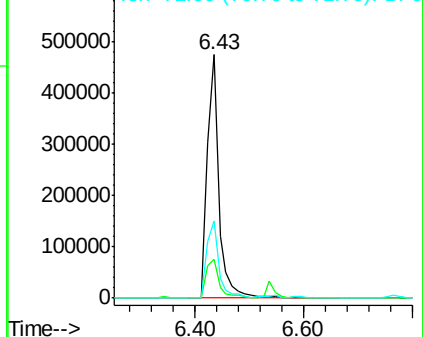
71 31.6 25.6 38.4

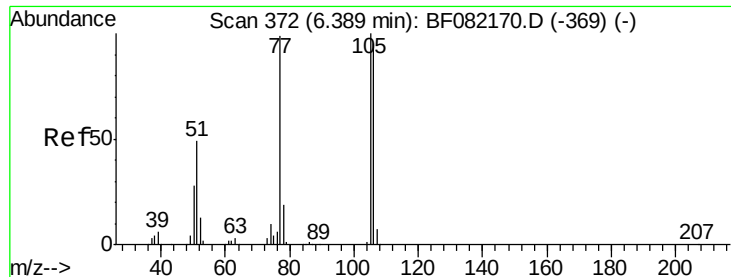


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 6.84 ng

RT: 6.31 min Scan# 365

Delta R.T. 0.00 min

Lab File: BF082457.D

Acq: 22 Oct 2015 21:01

Instrument :

BNA\_F

ClientSampleId :

SB15-45-2.5-3

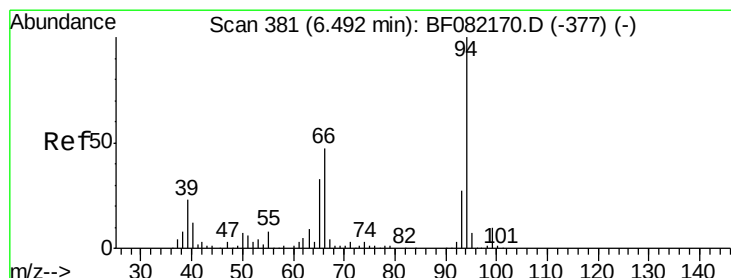
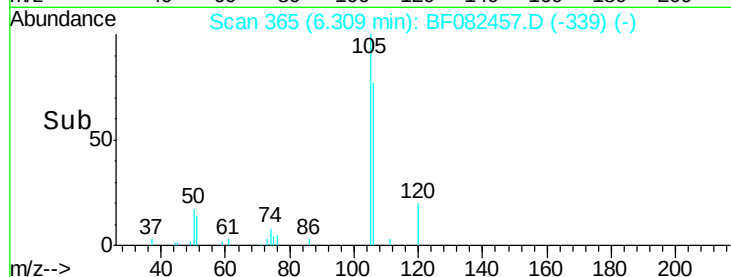
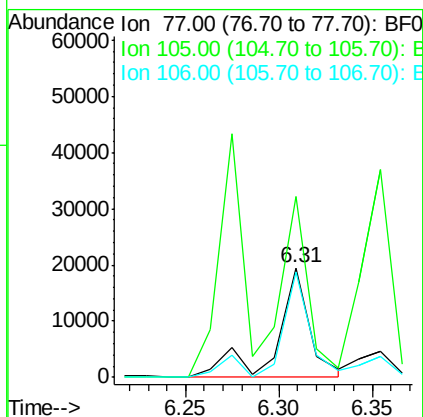
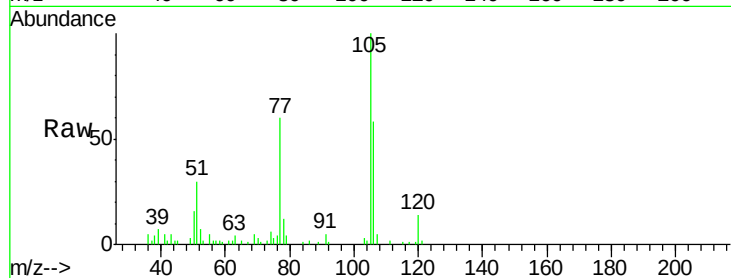
Tgt Ion: 77 Resp: 24302

Ion Ratio Lower Upper

77 100

105 165.6 80.6 120.6#

106 95.9 75.5 115.5



#10

Phenol

Concen: 18.89 ng

RT: 6.45 min Scan# 377

Delta R.T. 0.01 min

Lab File: BF082457.D

Acq: 22 Oct 2015 21:01

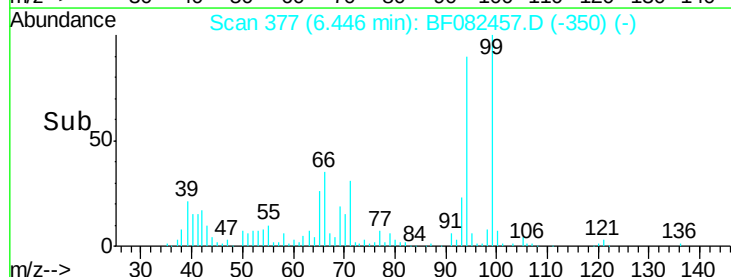
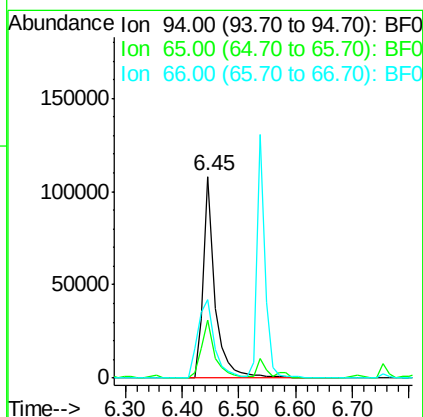
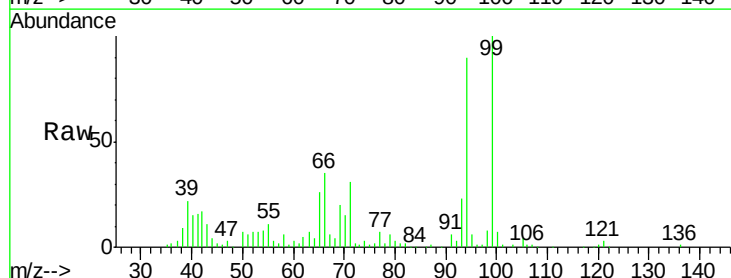
Tgt Ion: 94 Resp: 151451

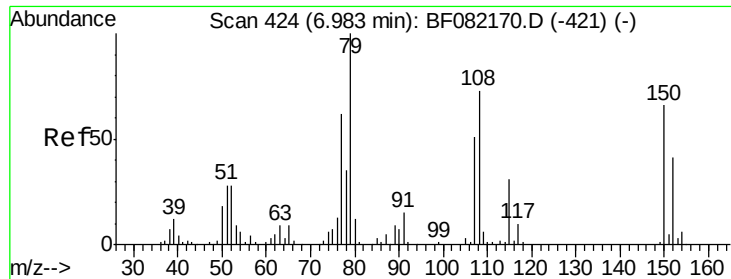
Ion Ratio Lower Upper

94 100

65 28.8 12.6 52.6

66 38.7 27.3 67.3

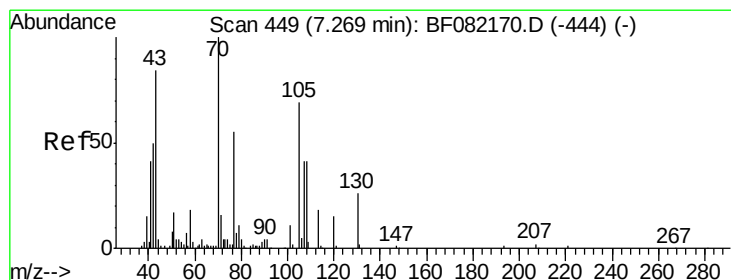
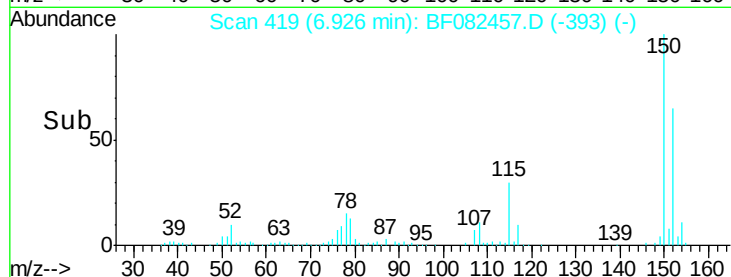
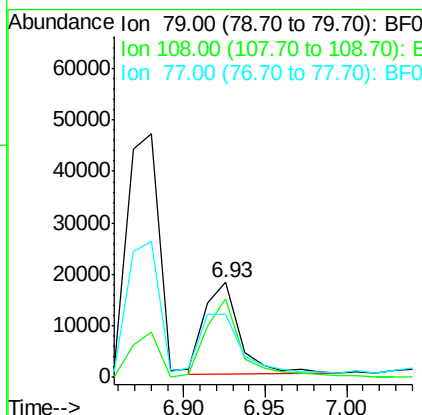
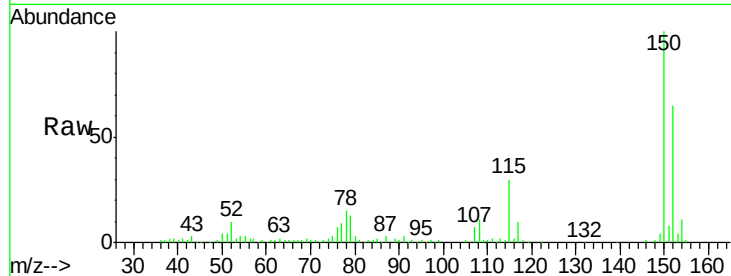




#15  
Benzyl Alcohol  
Concen: 5.54 ng  
RT: 6.93 min Scan# 419  
Delta R.T. 0.00 min  
Lab File: BF082457.D  
Acq: 22 Oct 2015 21:01

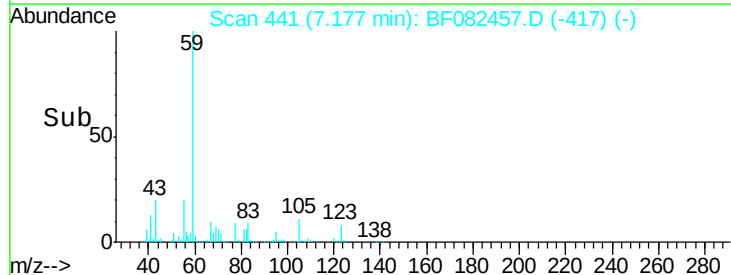
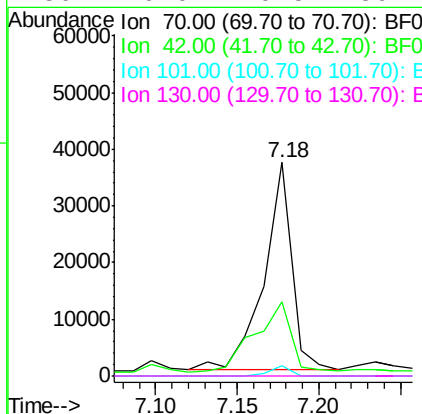
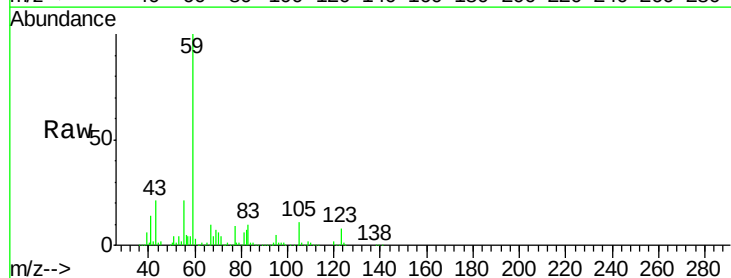
Instrument :  
BNA\_F  
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SB15-45-2.5-3

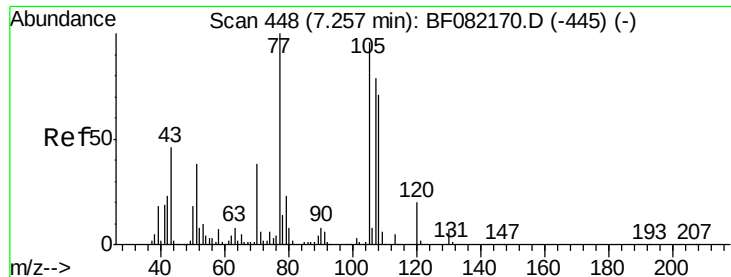
Tgt Ion: 79 Resp: 26584  
Ion Ratio Lower Upper  
79 100  
108 82.3 58.4 87.6  
77 67.0 49.8 74.6



#19  
n-Nitroso-di-n-propylamine  
Concen: 8.95 ng  
RT: 7.18 min Scan# 441  
Delta R.T. -0.02 min  
Lab File: BF082457.D  
Acq: 22 Oct 2015 21:01

Tgt Ion: 70 Resp: 43705  
Ion Ratio Lower Upper  
70 100  
42 34.9 39.8 59.8#  
101 4.7 8.6 13.0#  
130 0.0 20.5 30.7#

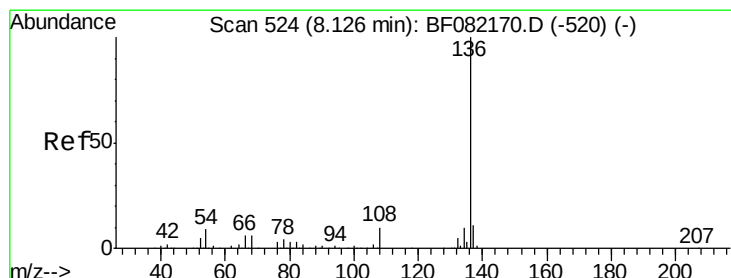
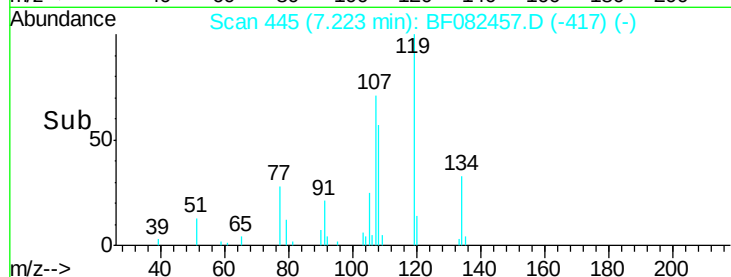
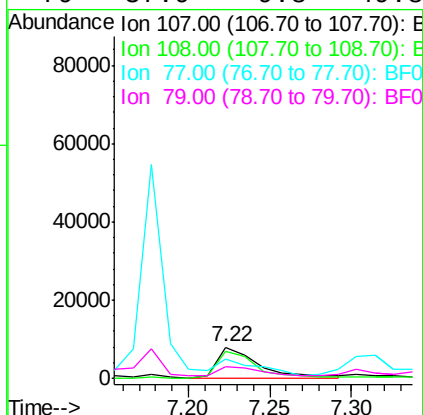
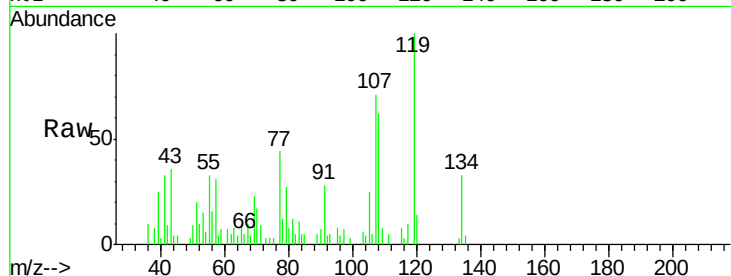




#20  
3+4-Methylphenols  
Concen: 2.32 ng  
RT: 7.22 min Scan# 445  
Delta R.T. 0.02 min  
Lab File: BF082457.D  
Acq: 22 Oct 2015 21:01

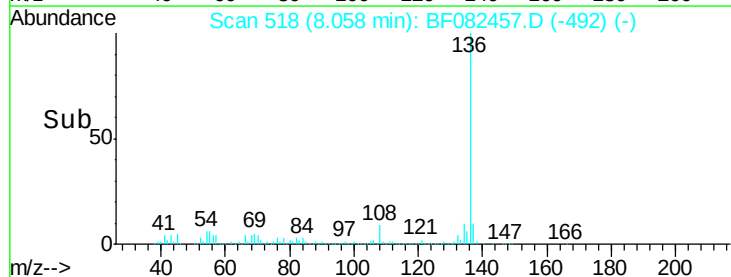
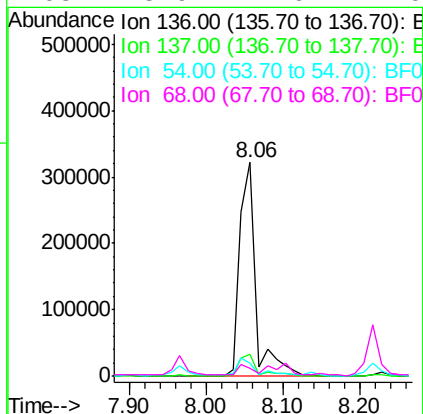
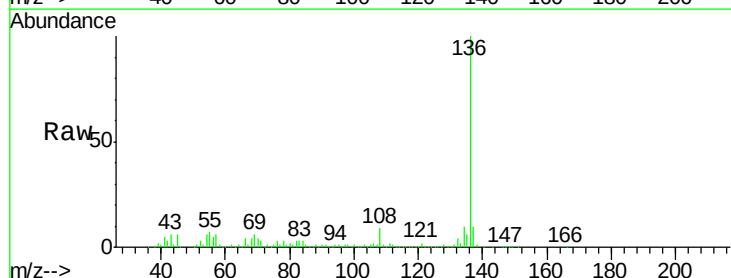
Instrument :  
BNA\_F  
ClientSampleId :  
SB15-45-2.5-3

Tgt Ion:107 Resp: 14247  
Ion Ratio Lower Upper  
107 100  
108 88.0 69.9 109.9  
77 63.1 106.0 146.0#  
79 37.9 9.8 49.8

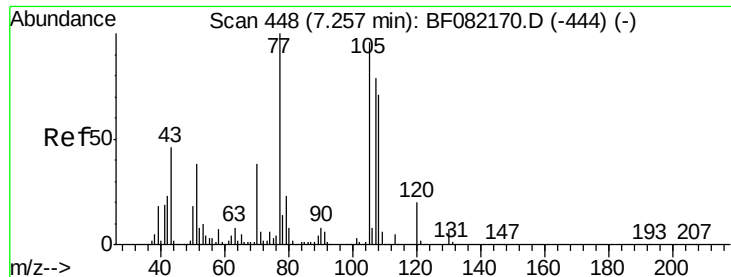


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.06 min Scan# 518  
Delta R.T. 0.00 min  
Lab File: BF082457.D  
Acq: 22 Oct 2015 21:01

Tgt Ion:136 Resp: 471140  
Ion Ratio Lower Upper  
136 100  
137 10.5 9.0 13.6  
54 5.9 7.5 11.3#  
68 3.9 4.6 7.0#







#22

Acetophenone

Concen: 7.66 ng

RT: 7.18 min Scan# 441

Delta R.T. -0.01 min

Lab File: BF082457.D

Acq: 22 Oct 2015 21:01

Instrument :

BNA\_F

ClientSampleId :

SB15-45-2.5-3

Tgt Ion: 105 Resp: 71371

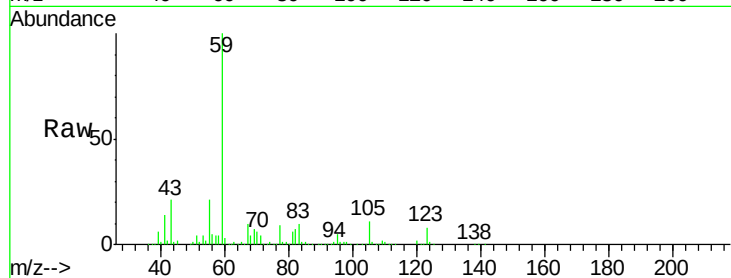
Ion Ratio Lower Upper

105 100

71 38.6 5.4 8.0#

51 33.9 31.8 47.6

120 21.5 16.3 24.5

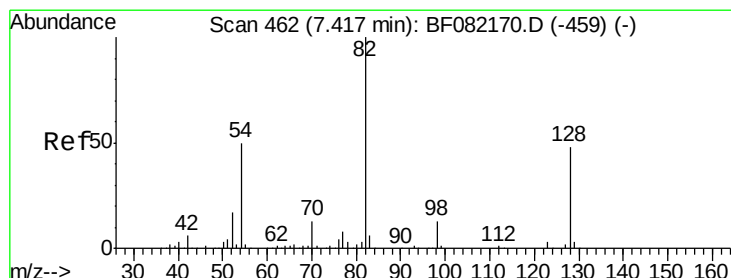
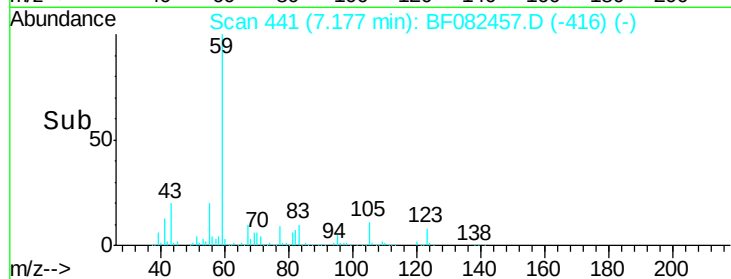
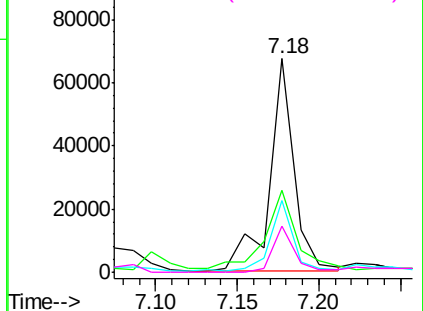


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 64.88 ng

RT: 7.34 min Scan# 455

Delta R.T. -0.01 min

Lab File: BF082457.D

Acq: 22 Oct 2015 21:01

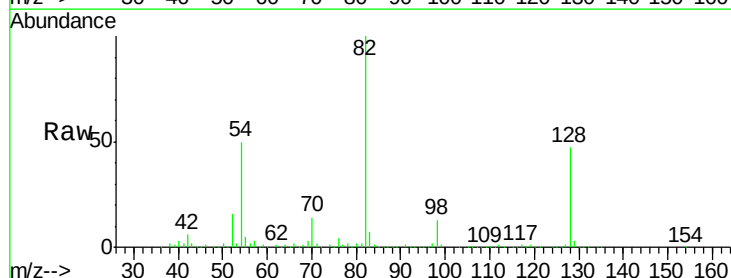
Tgt Ion: 82 Resp: 455204

Ion Ratio Lower Upper

82 100

128 46.7 38.7 58.1

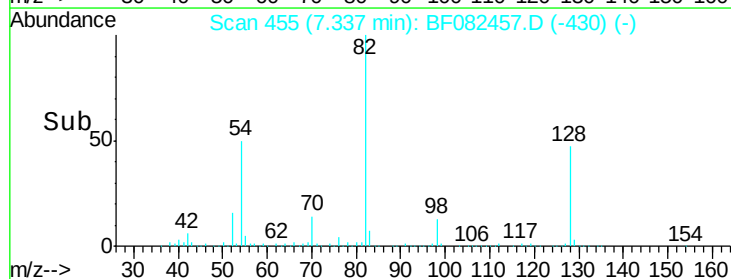
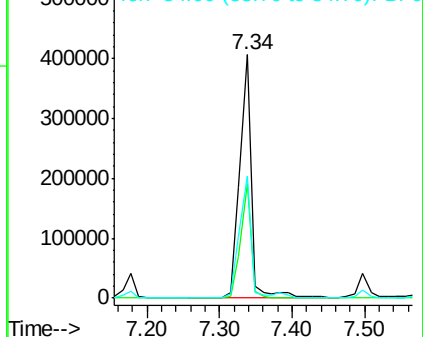
54 50.4 40.1 60.1

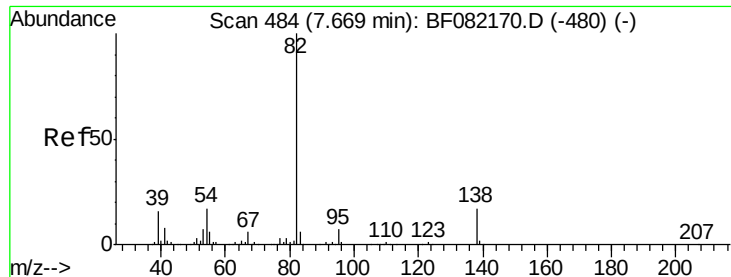


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 2.84 ng

RT: 7.50 min Scan# 469

Delta R.T. -0.10 min

Lab File: BF082457.D

Acq: 22 Oct 2015 21:01

Instrument :

BNA\_F

ClientSampleId :

SB15-45-2.5-3

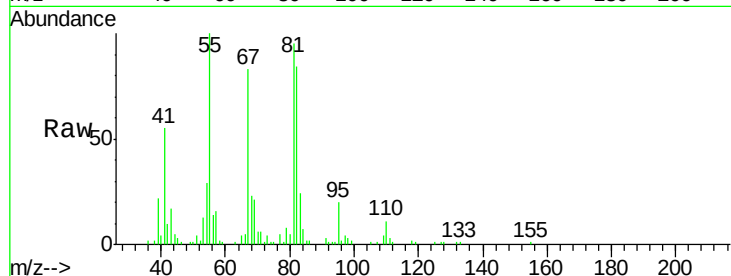
Tgt Ion: 82 Resp: 40145

Ion Ratio Lower Upper

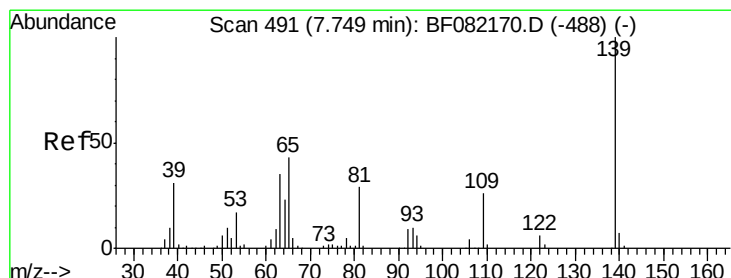
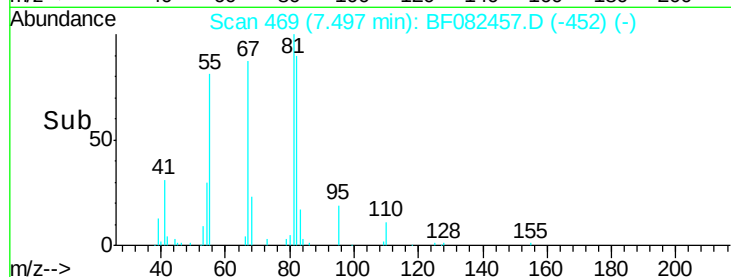
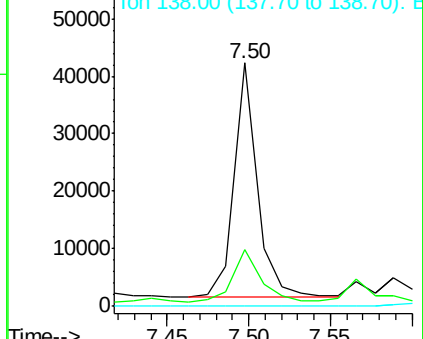
82 100

95 23.4 5.6 8.4#

138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 95.00 (94.70 to 95.70): BF0  
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 2.57 ng

RT: 7.83 min Scan# 498

Delta R.T. 0.15 min

Lab File: BF082457.D

Acq: 22 Oct 2015 21:01

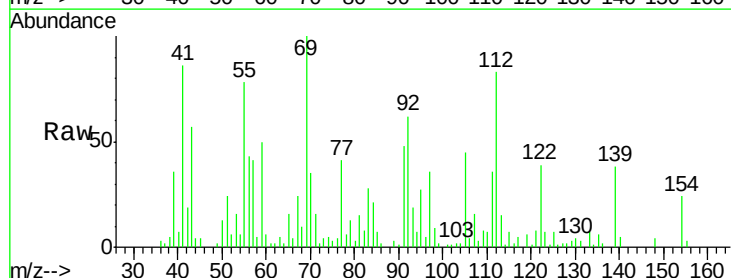
Tgt Ion: 139 Resp: 9750

Ion Ratio Lower Upper

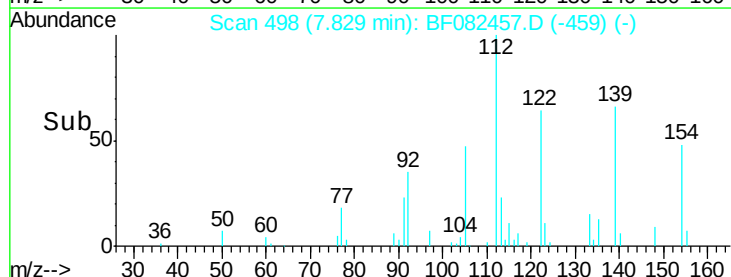
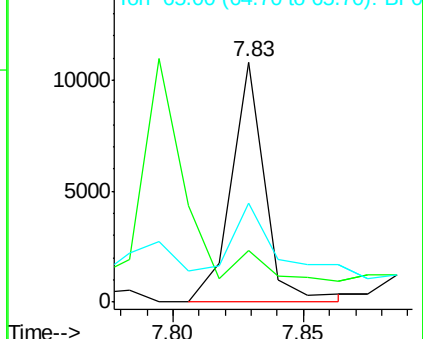
139 100

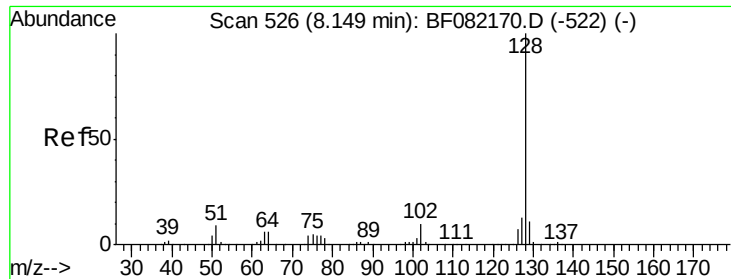
109 21.3 20.6 31.0

65 41.3 34.3 51.5



Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF0

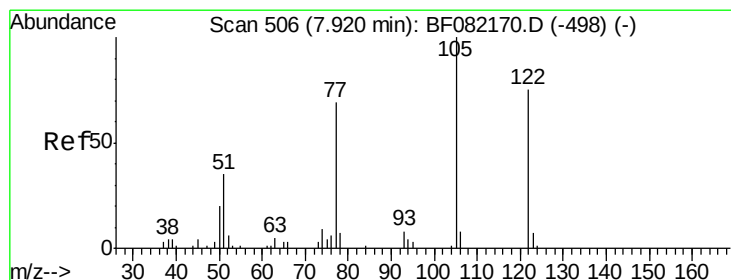
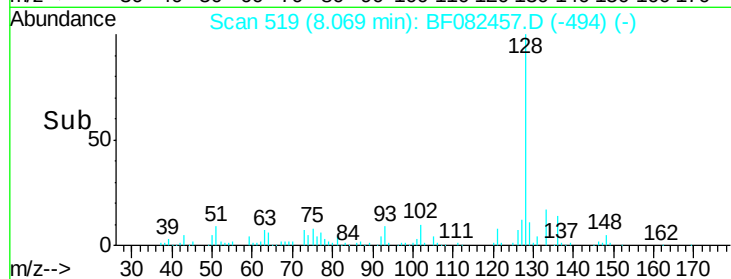
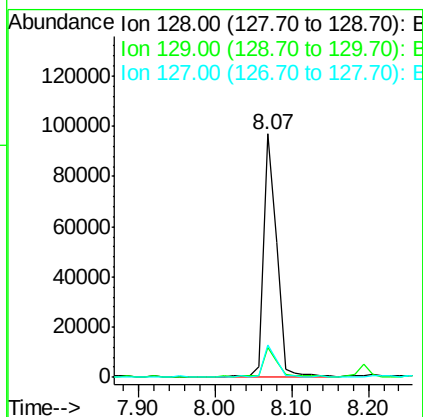
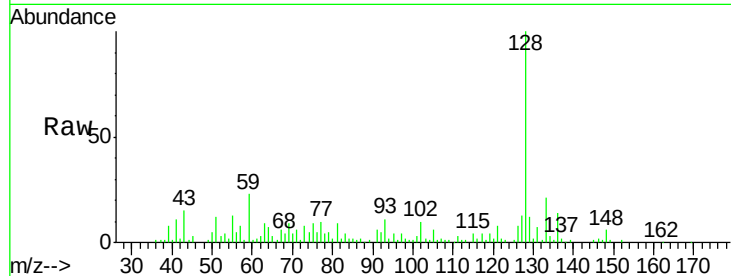




#31  
Naphthalene  
Concen: 5.60 ng  
RT: 8.07 min Scan# 519  
Delta R.T. -0.01 min  
Lab File: BF082457.D  
Acq: 22 Oct 2015 21:01

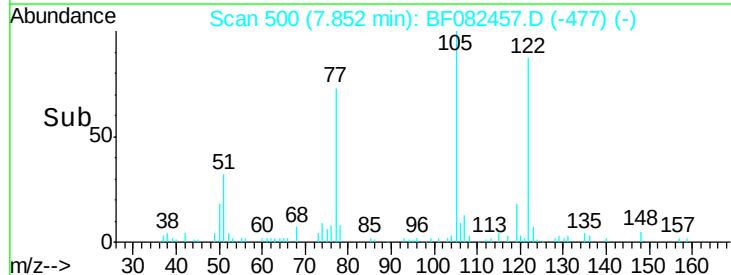
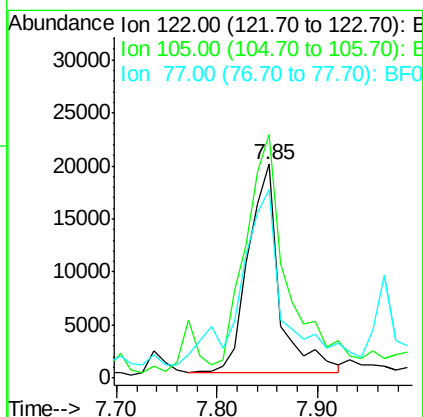
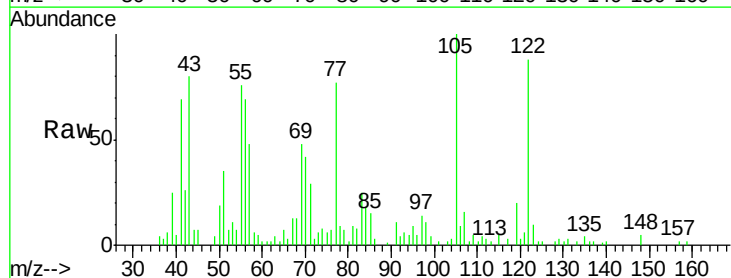
Instrument :  
BNA\_F  
ClientSampleId :  
SB15-45-2.5-3

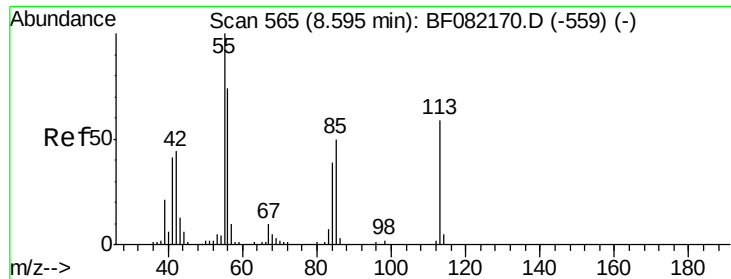
Tgt Ion:128 Resp: 114325  
Ion Ratio Lower Upper  
128 100  
129 12.2 9.1 13.7  
127 13.2 10.7 16.1



#32  
Benzoic acid  
Concen: 10.43 ng  
RT: 7.85 min Scan# 500  
Delta R.T. -0.03 min  
Lab File: BF082457.D  
Acq: 22 Oct 2015 21:01

Tgt Ion:122 Resp: 42761  
Ion Ratio Lower Upper  
122 100  
105 113.7 104.4 144.4  
77 88.0 69.0 109.0





#35

Caprolactam

Concen: 4.55 ng

RT: 8.49 min Scan# 556

Delta R.T. -0.05 min

Lab File: BF082457.D

Acq: 22 Oct 2015 21:01

Instrument :

BNA\_F

ClientSampleId :

SB15-45-2.5-3

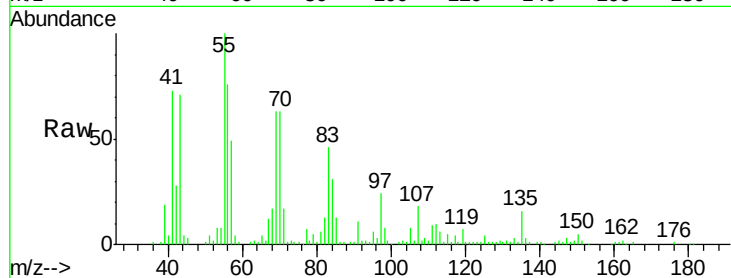
Tgt Ion:113 Resp: 8067

Ion Ratio Lower Upper

113 100

55 1697.0 149.7 189.7#

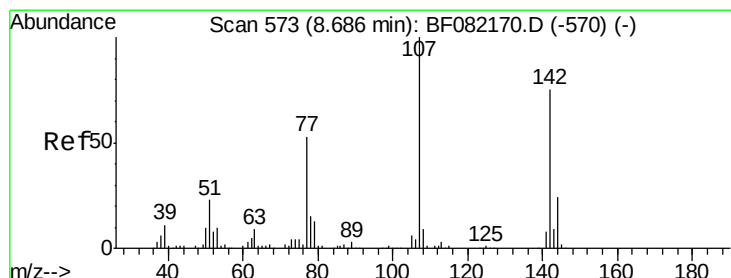
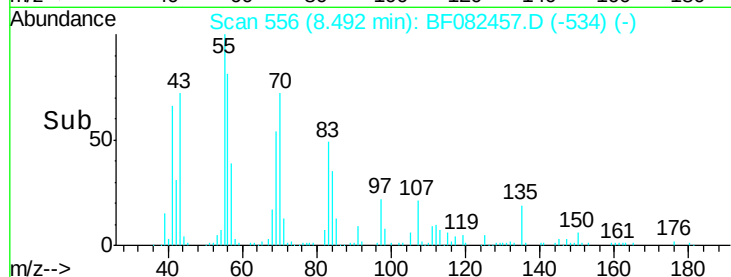
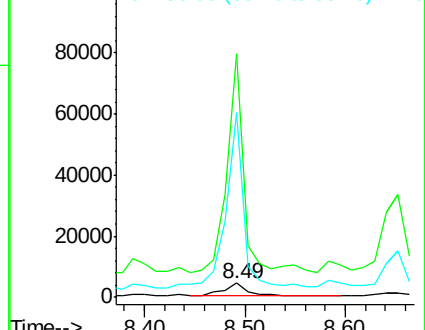
56 1284.4 105.4 145.4#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 24.67 ng

RT: 8.64 min Scan# 569

Delta R.T. 0.00 min

Lab File: BF082457.D

Acq: 22 Oct 2015 21:01

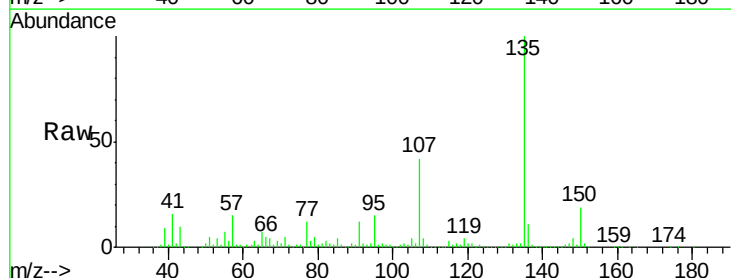
Tgt Ion:107 Resp: 147335

Ion Ratio Lower Upper

107 100

144 0.2 19.3 28.9#

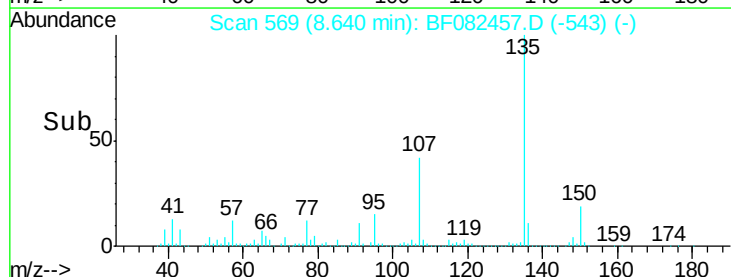
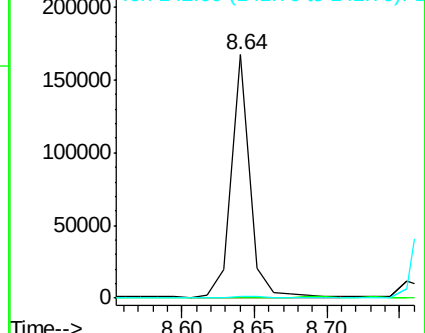
142 0.5 59.9 89.9#

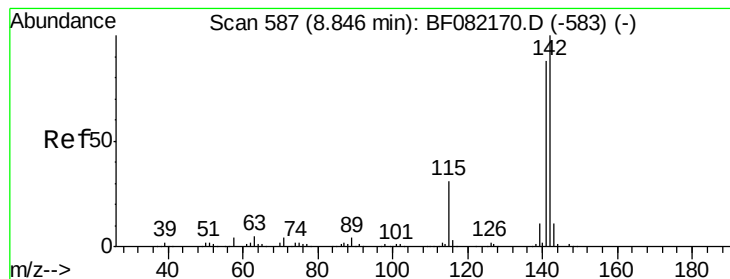


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 4.63 ng

RT: 8.77 min Scan# 580

Delta R.T. 0.00 min

Lab File: BF082457.D

Acq: 22 Oct 2015 21:01

Instrument :

BNA\_F

ClientSampleId :

SB15-45-2.5-3

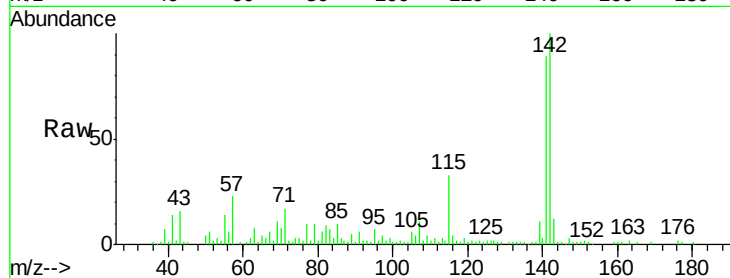
Tgt Ion:142 Resp: 65620

Ion Ratio Lower Upper

142 100

141 89.5 70.4 105.6

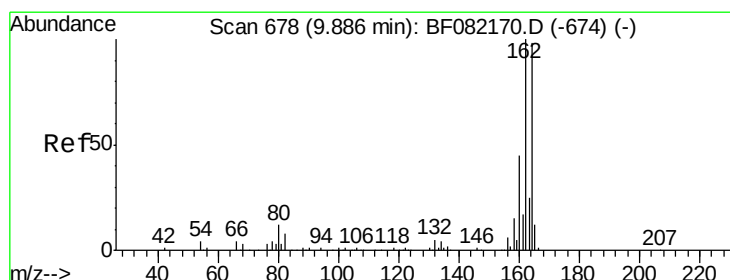
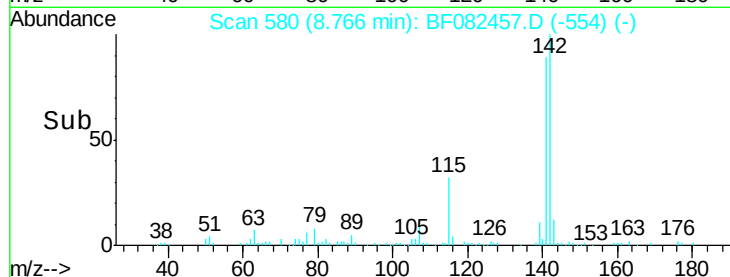
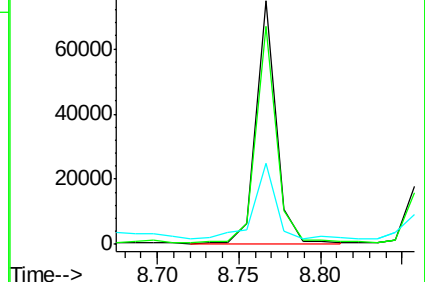
115 33.3 24.6 37.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.81 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF082457.D

Acq: 22 Oct 2015 21:01

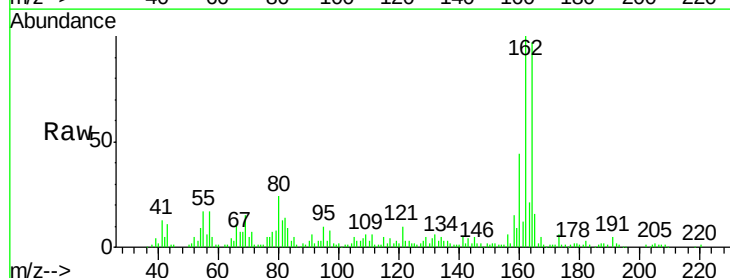
Tgt Ion:164 Resp: 182724

Ion Ratio Lower Upper

164 100

162 103.4 81.6 122.4

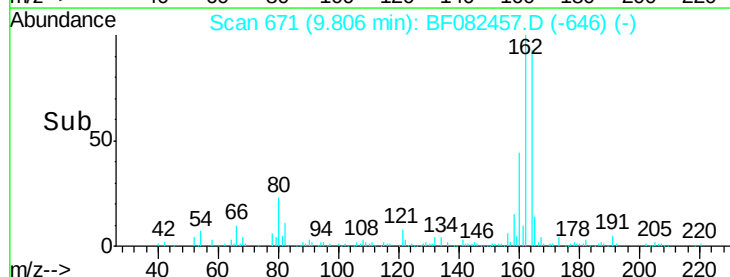
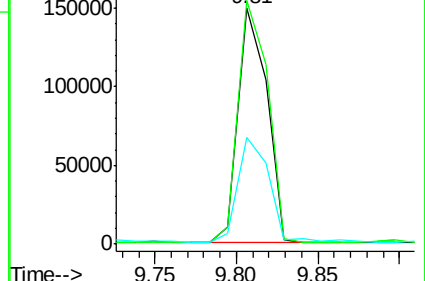
160 45.5 36.4 54.6

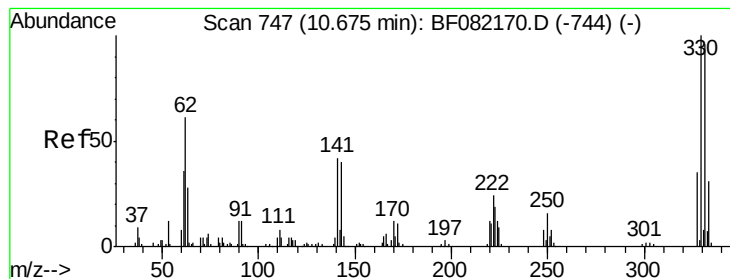


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

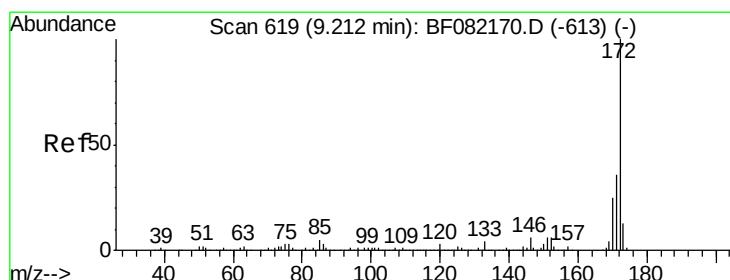
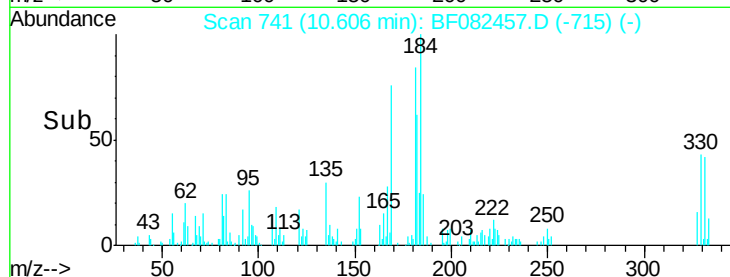
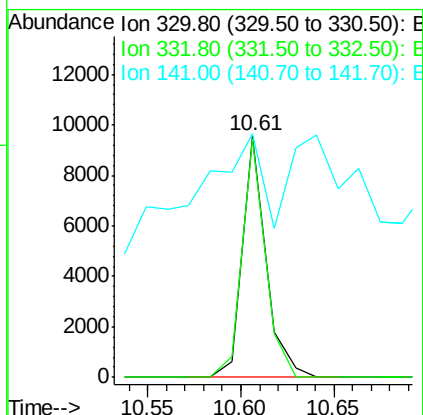
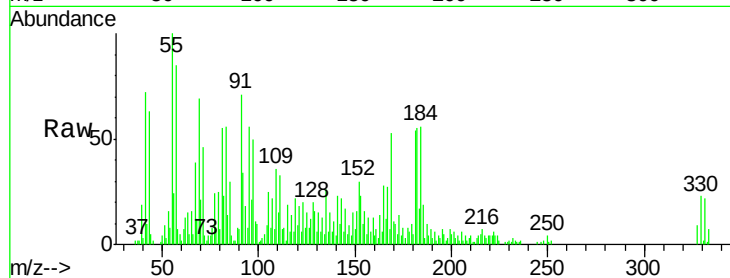




#41  
 2,4,6-Tribromophenol  
 Concen: 4.95 ng  
 RT: 10.61 min Scan# 741  
 Delta R.T. 0.00 min  
 Lab File: BF082457.D  
 Acq: 22 Oct 2015 21:01

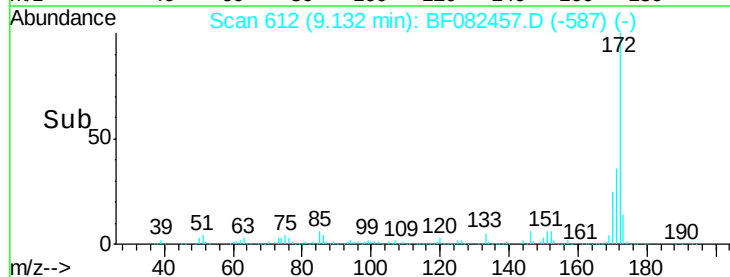
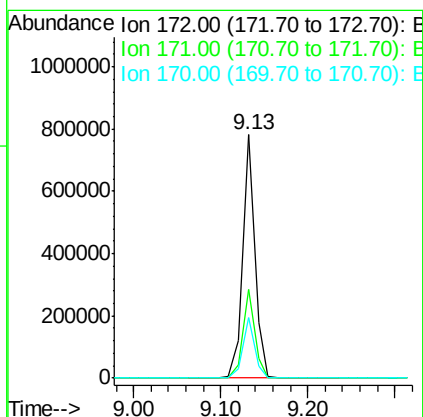
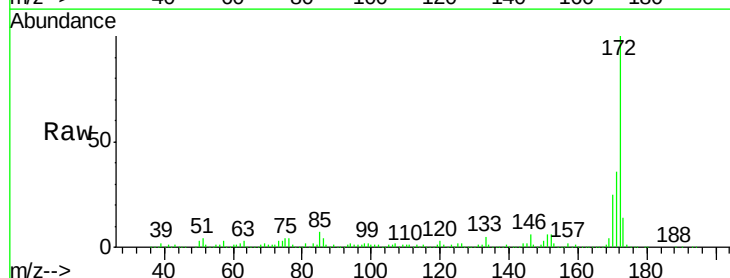
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB15-45-2.5-3

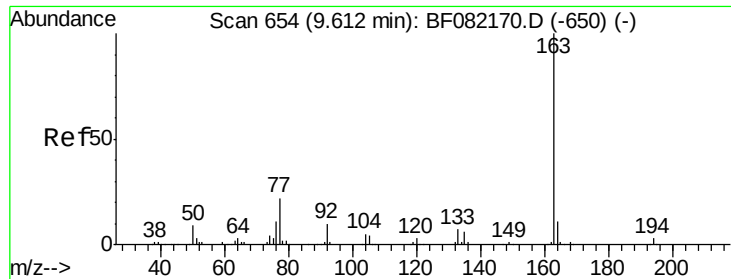
Tgt Ion: 330 Resp: 8474  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 77.1 115.7  
 141 145.1 29.8 44.8#



#44  
 2-Fluorobiphenyl  
 Concen: 68.75 ng  
 RT: 9.13 min Scan# 612  
 Delta R.T. -0.01 min  
 Lab File: BF082457.D  
 Acq: 22 Oct 2015 21:01

Tgt Ion: 172 Resp: 757474  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 28.6 42.8  
 170 24.7 19.7 29.5

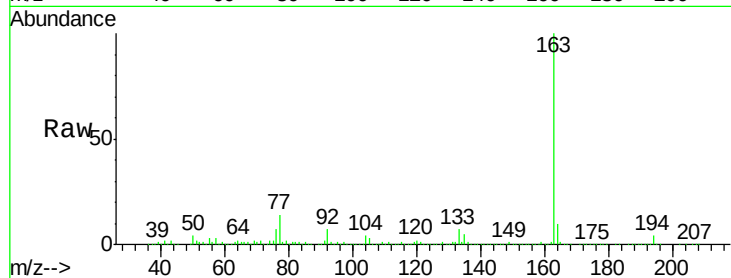




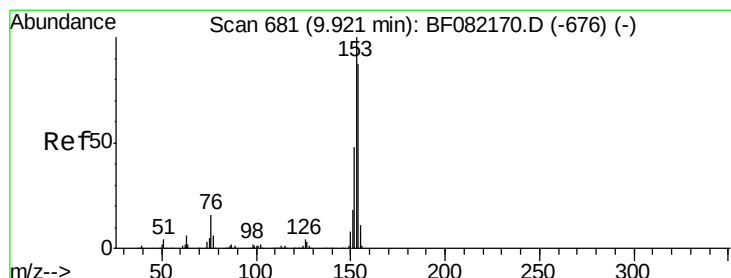
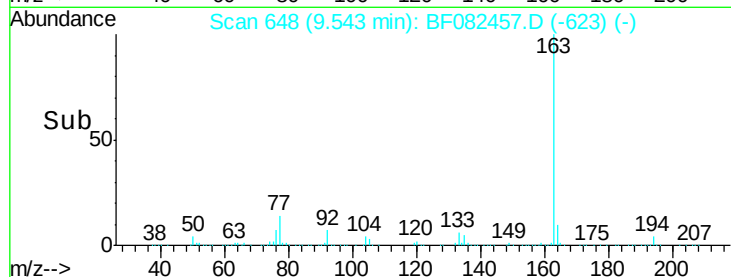
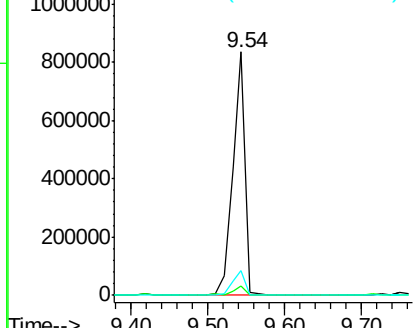
#49  
Dimethylphthalate  
Concen: 72.52 ng  
RT: 9.54 min Scan# 648  
Delta R.T. -0.01 min  
Lab File: BF082457.D  
Acq: 22 Oct 2015 21:01

Instrument :  
BNA\_F  
ClientSampleId :  
SB15-45-2.5-3

Tgt Ion:163 Resp: 933093  
Ion Ratio Lower Upper  
163 100  
194 4.0 2.6 4.0#  
164 10.3 8.5 12.7

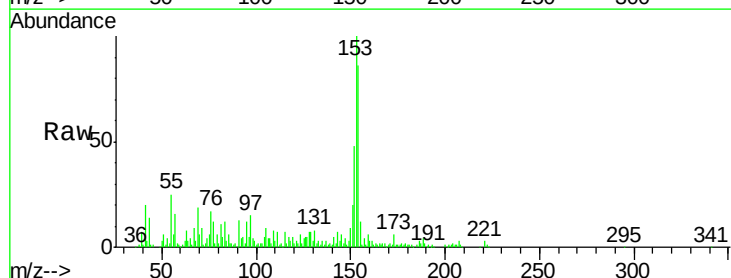


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

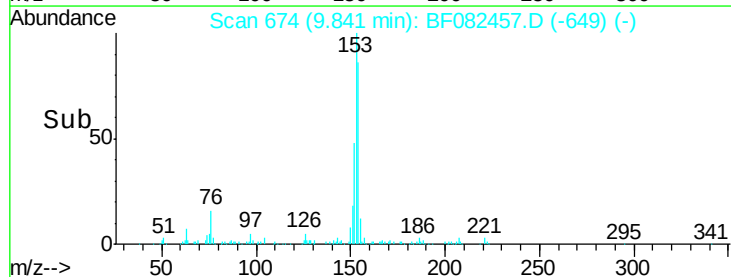
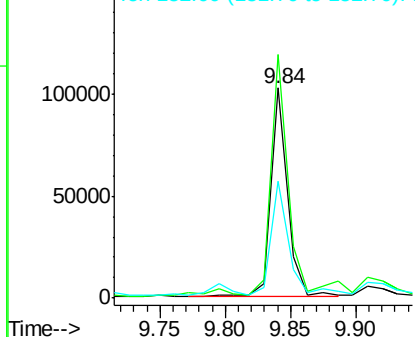


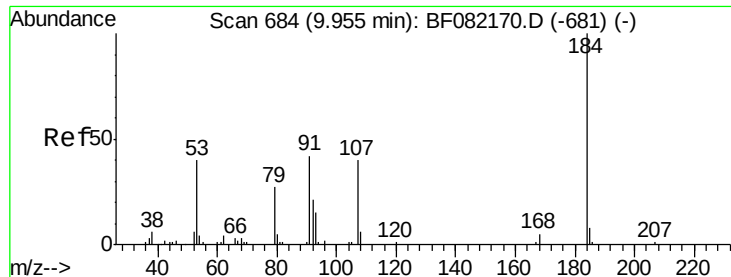
#51  
Acenaphthene  
Concen: 8.99 ng  
RT: 9.84 min Scan# 674  
Delta R.T. -0.01 min  
Lab File: BF082457.D  
Acq: 22 Oct 2015 21:01

Tgt Ion:154 Resp: 92213  
Ion Ratio Lower Upper  
154 100  
153 116.1 91.4 137.2  
152 55.9 44.3 66.5



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

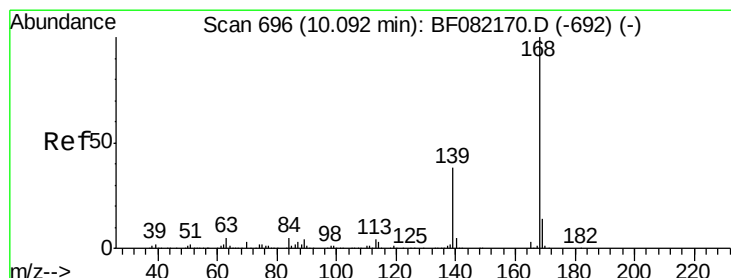
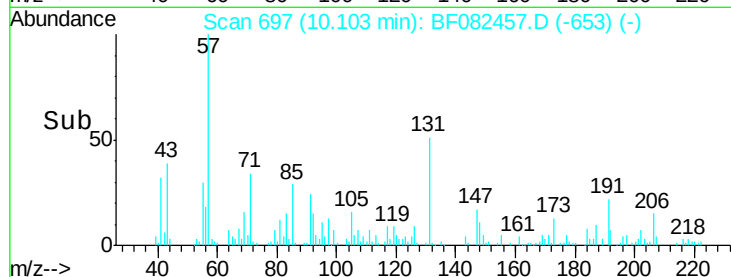
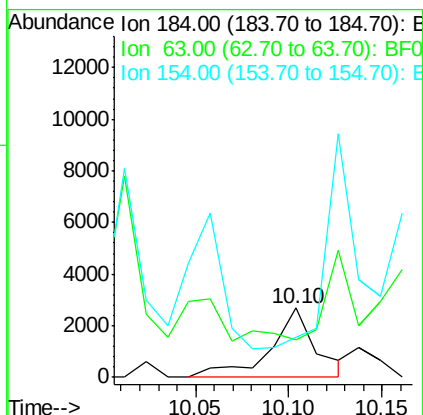
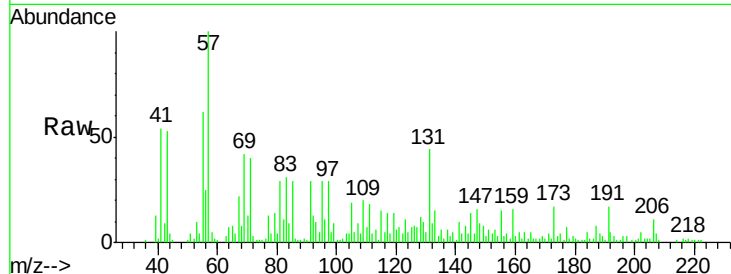




#53  
2,4-Dinitrophenol  
Concen: 9.14 ng  
RT: 10.10 min Scan# 697  
Delta R.T. 0.21 min  
Lab File: BF082457.D  
Acq: 22 Oct 2015 21:01

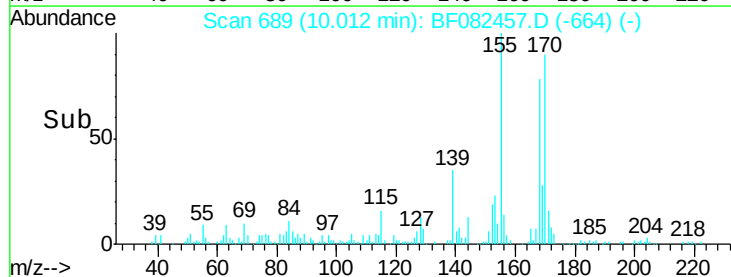
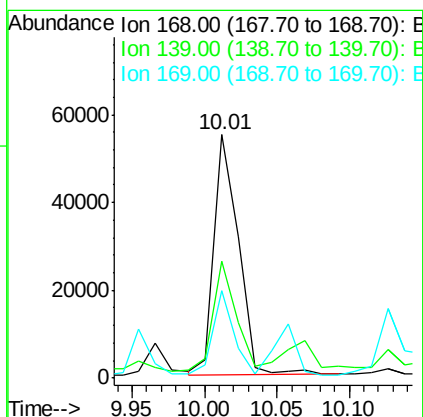
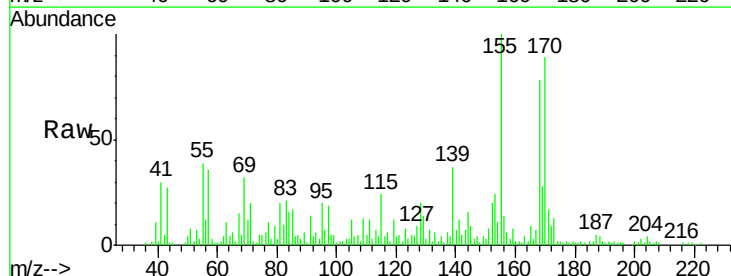
Instrument :  
BNA\_F  
ClientSampleId :  
SB15-45-2.5-3

Tgt Ion:184 Resp: 4522  
Ion Ratio Lower Upper  
184 100  
63 54.1 45.1 67.7  
154 58.6 51.2 76.8

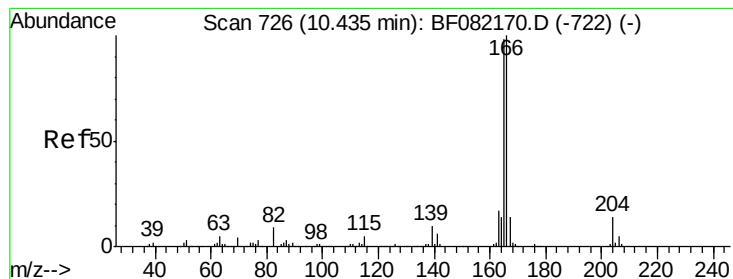


#54  
Dibenzofuran  
Concen: 4.60 ng  
RT: 10.01 min Scan# 689  
Delta R.T. -0.01 min  
Lab File: BF082457.D  
Acq: 22 Oct 2015 21:01

Tgt Ion:168 Resp: 64744  
Ion Ratio Lower Upper  
168 100  
139 47.8 31.0 46.6#  
169 35.9 10.9 16.3#







#57

Fluorene

Concen: 7.92 ng

RT: 10.35 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF082457.D

Acq: 22 Oct 2015 21:01

Instrument :

BNA\_F

ClientSampleId :

SB15-45-2.5-3

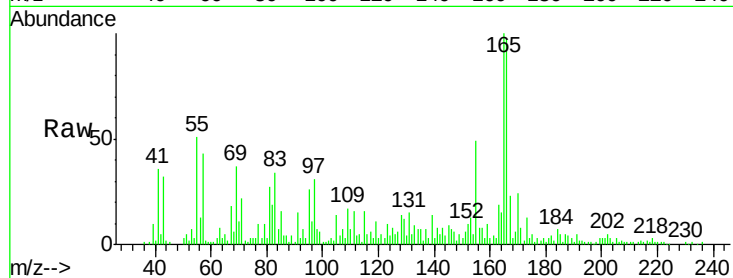
Tgt Ion:166 Resp: 91640

Ion Ratio Lower Upper

166 100

165 103.0 78.3 117.5

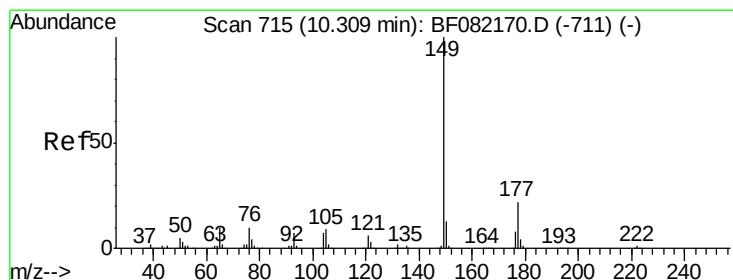
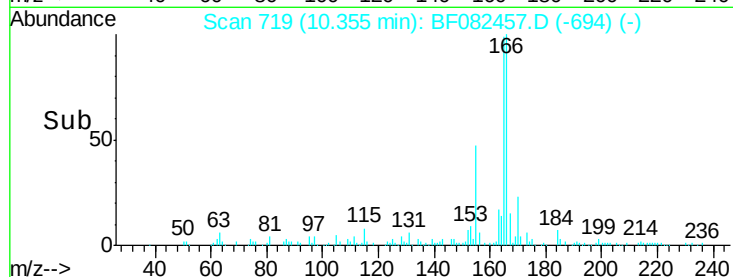
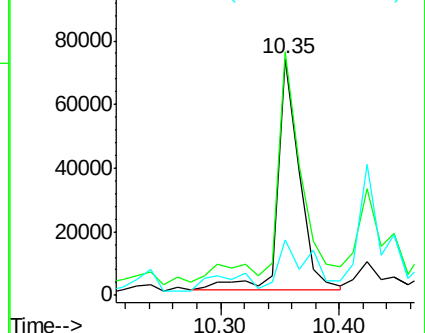
167 23.7 10.8 16.2#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59

Diethylphthalate

Concen: 28.36 ng

RT: 10.24 min Scan# 709

Delta R.T. -0.01 min

Lab File: BF082457.D

Acq: 22 Oct 2015 21:01

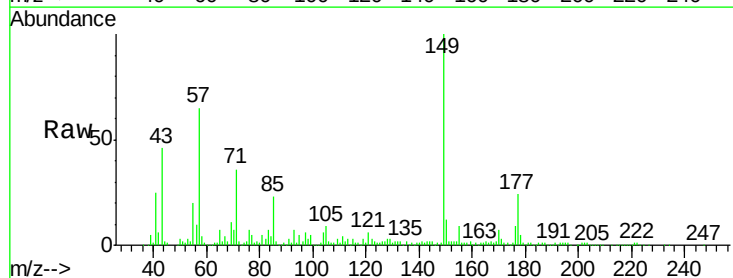
Tgt Ion:149 Resp: 340120

Ion Ratio Lower Upper

149 100

177 24.1 17.6 26.4

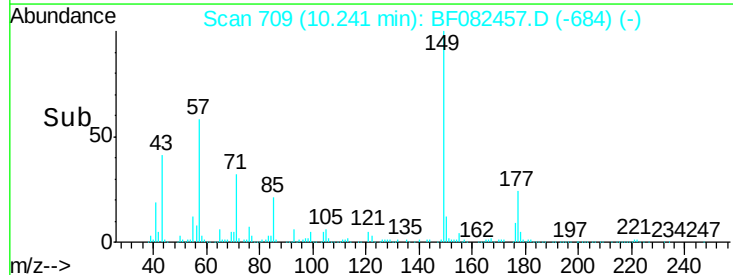
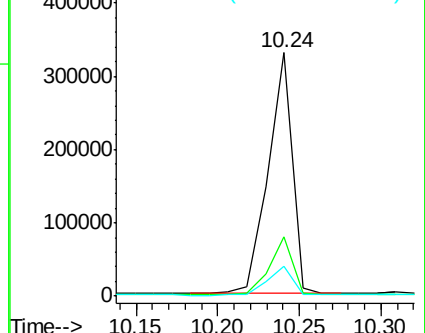
150 12.2 10.3 15.5

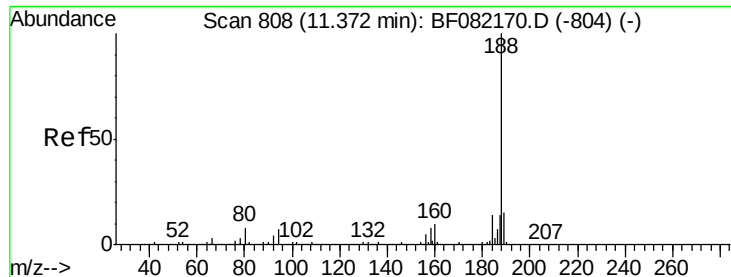


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

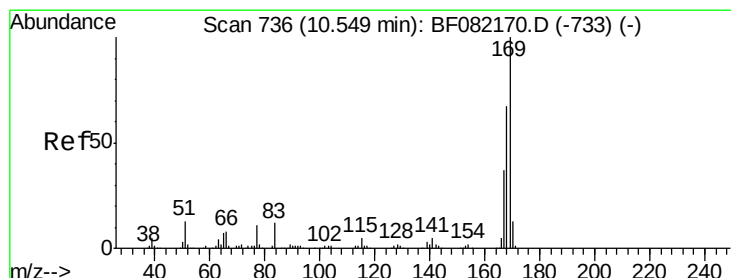
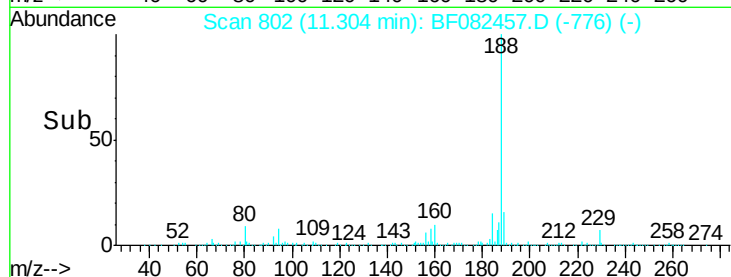
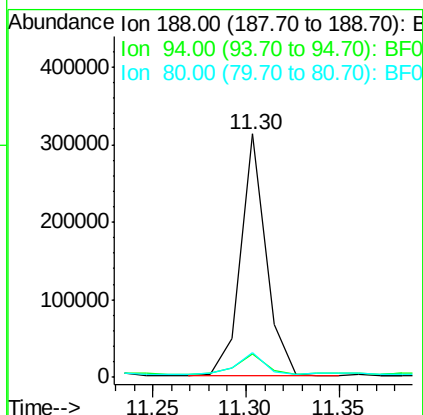
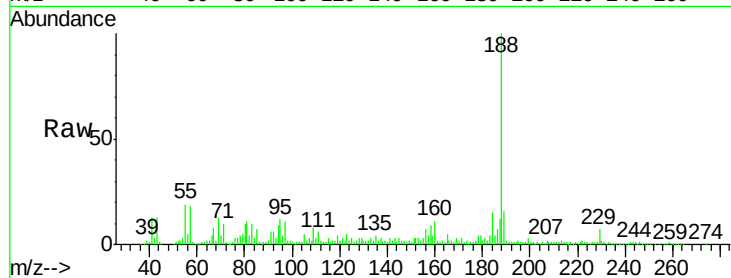




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.30 min Scan# 802  
Delta R.T. 0.00 min  
Lab File: BF082457.D  
Acq: 22 Oct 2015 21:01

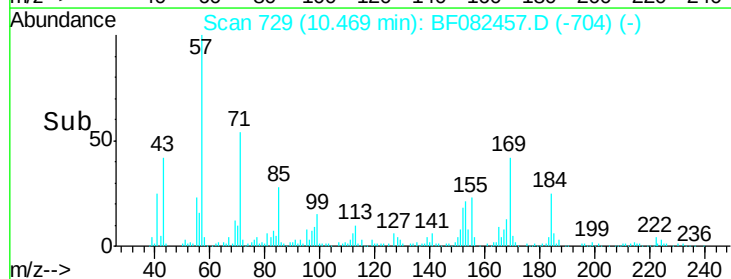
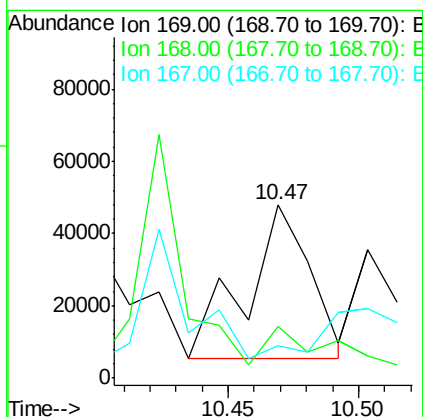
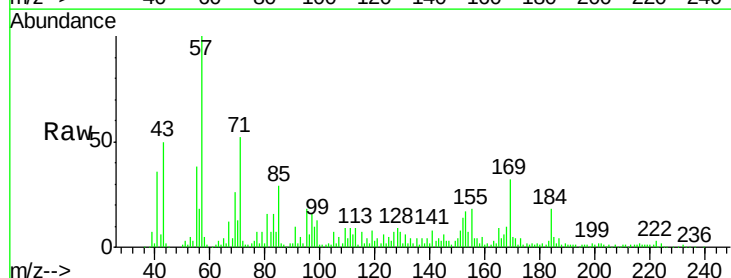
Instrument :  
BNA\_F  
ClientSampleId :  
SB15-45-2.5-3

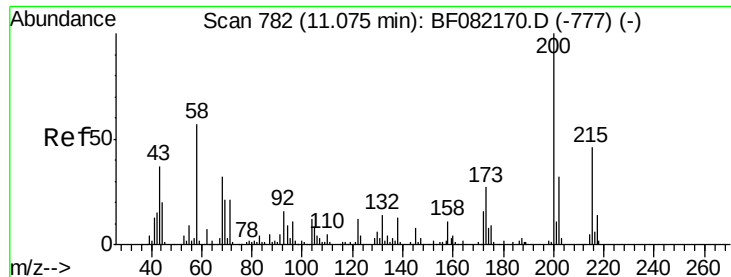
Tgt Ion:188 Resp: 296919  
Ion Ratio Lower Upper  
188 100  
94 9.4 5.8 8.6#  
80 9.9 6.4 9.6#



#65  
n-Nitrosodiphenylamine  
Concen: 8.24 ng  
RT: 10.47 min Scan# 729  
Delta R.T. -0.01 min  
Lab File: BF082457.D  
Acq: 22 Oct 2015 21:01

Tgt Ion:169 Resp: 73250  
Ion Ratio Lower Upper  
169 100  
168 29.9 54.0 81.0#  
167 18.9 29.6 44.4#





#68

Atrazine

Concen: 2.41 ng

RT: 10.99 min Scan# 775

Delta R.T. -0.02 min

Lab File: BF082457.D

Acq: 22 Oct 2015 21:01

Instrument :

BNA\_F

ClientSampleId :

SB15-45-2.5-3

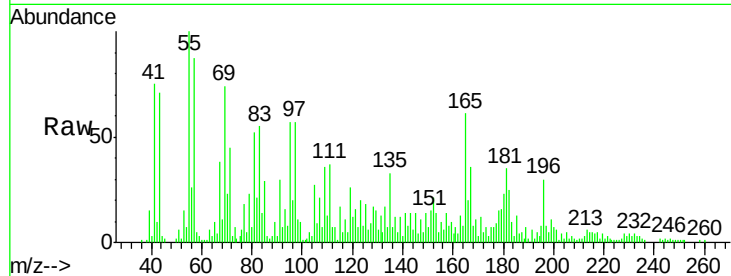
Tgt Ion:200 Resp: 6787

Ion Ratio Lower Upper

200 100

173 89.6 7.3 47.3#

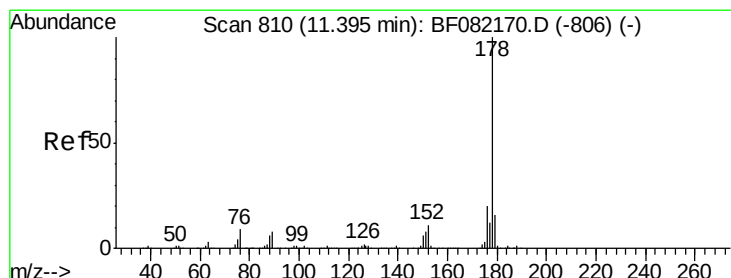
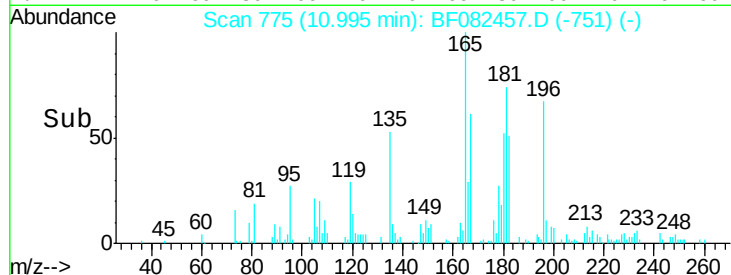
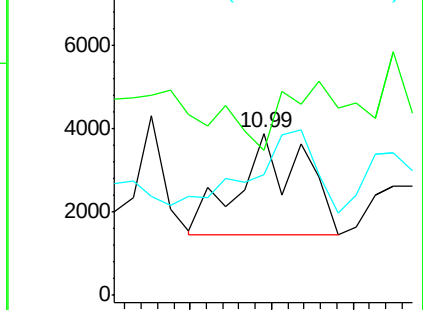
215 74.2 26.2 66.2#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Phenanthrene

Concen: 55.37 ng

RT: 11.33 min Scan# 804

Delta R.T. 0.00 min

Lab File: BF082457.D

Acq: 22 Oct 2015 21:01

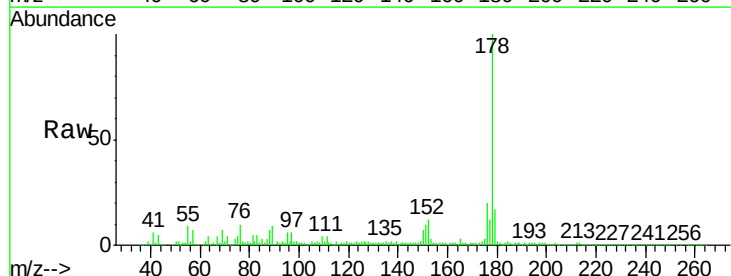
Tgt Ion:178 Resp: 805807

Ion Ratio Lower Upper

178 100

176 19.8 16.0 24.0

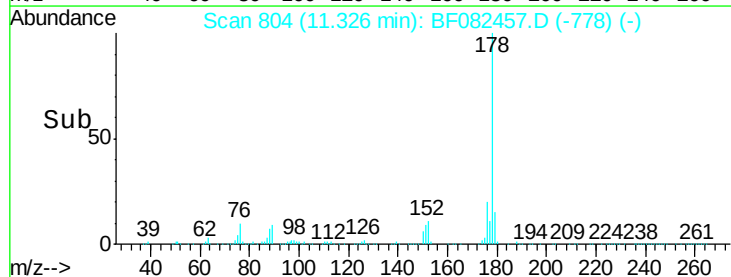
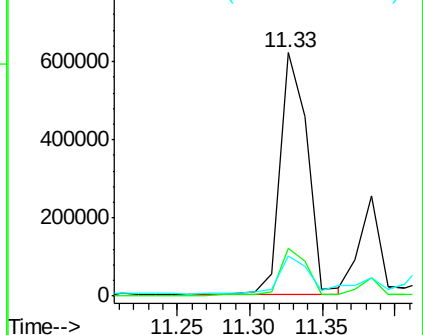
179 16.6 12.6 19.0

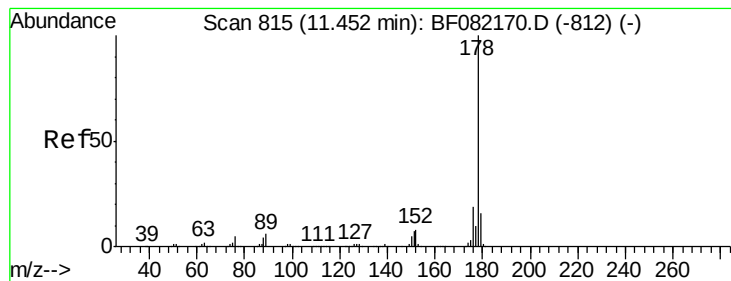


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 14.63 ng

RT: 11.38 min Scan# 809

Delta R.T. 0.00 min

Lab File: BF082457.D

Acq: 22 Oct 2015 21:01

Instrument :

BNA\_F

ClientSampleId :

SB15-45-2.5-3

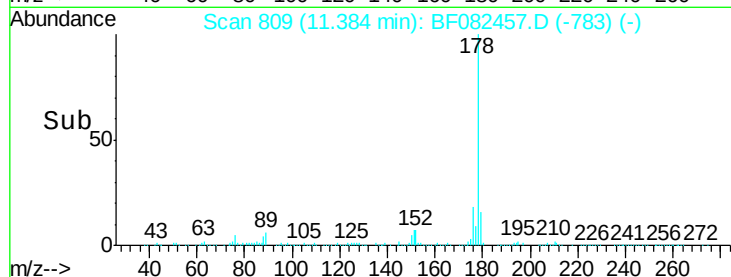
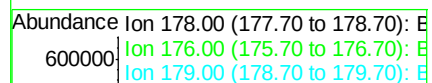
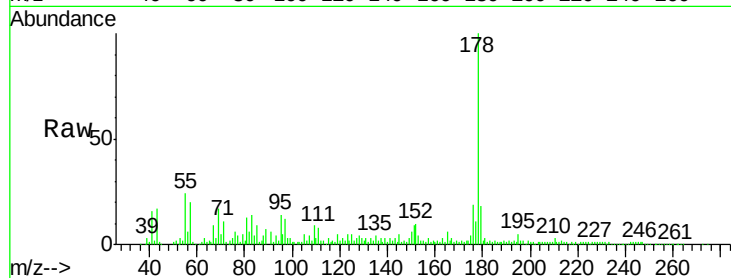
Tgt Ion:178 Resp: 219408

Ion Ratio Lower Upper

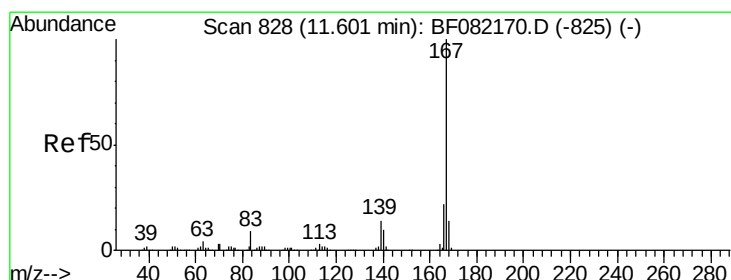
178 100

176 18.6 15.4 23.0

179 17.8 12.5 18.7



Time-->



#72

Carbazole

Concen: 7.23 ng

RT: 11.54 min Scan# 823

Delta R.T. 0.00 min

Lab File: BF082457.D

Acq: 22 Oct 2015 21:01

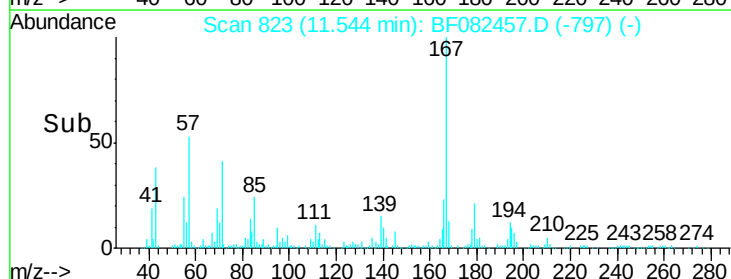
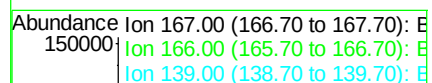
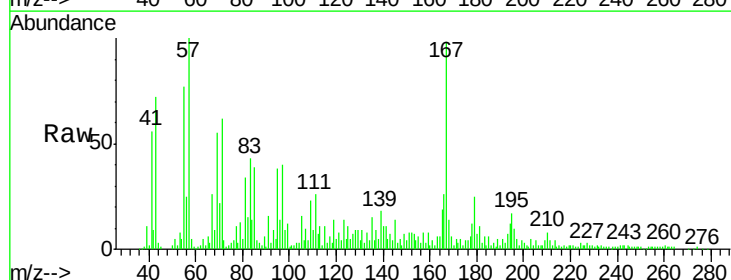
Tgt Ion:167 Resp: 98880

Ion Ratio Lower Upper

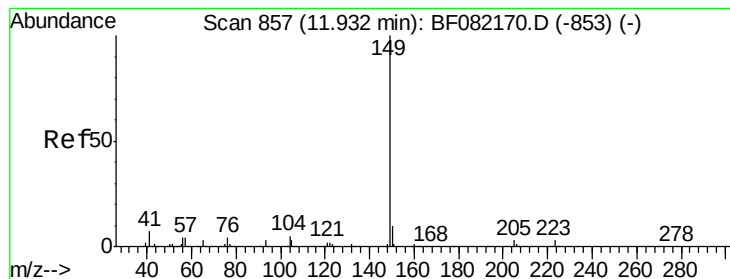
167 100

166 26.3 17.3 25.9#

139 18.7 11.2 16.8#



Time-->



#73

Di-n-butylphthalate

Concen: 3.48 ng

RT: 11.88 min Scan# 852

Delta R.T. 0.01 min

Lab File: BF082457.D

Acq: 22 Oct 2015 21:01

Instrument :

BNA\_F

ClientSampleId :

SB15-45-2.5-3

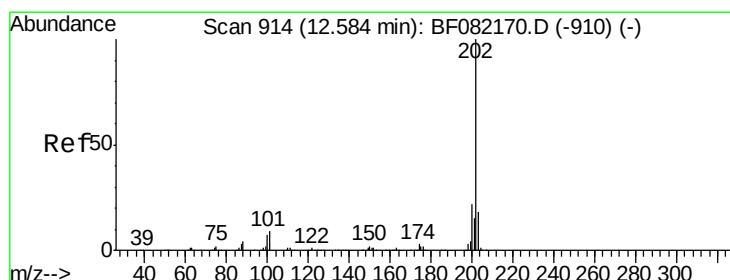
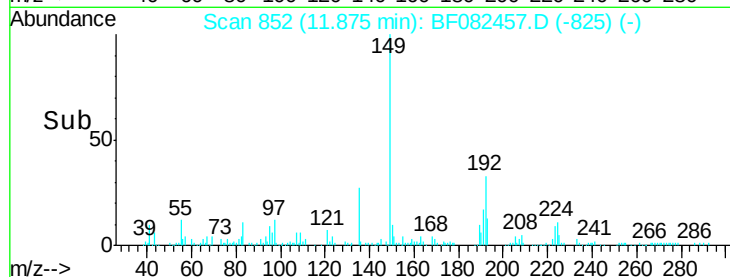
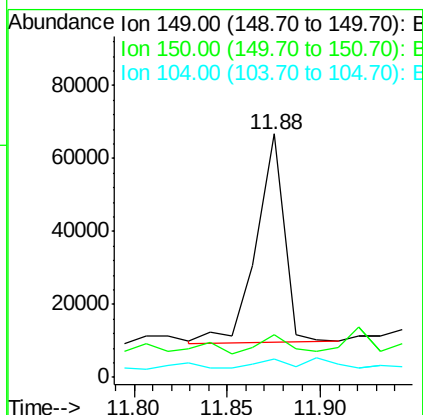
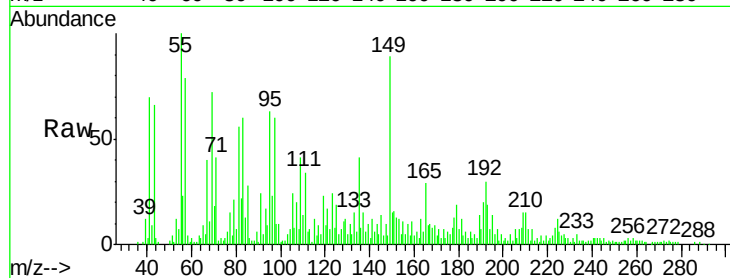
Tgt Ion:149 Resp: 58688

Ion Ratio Lower Upper

149 100

150 17.4 7.8 11.6#

104 7.6 3.8 5.8#



#74

Fluoranthene

Concen: 110.35 ng

RT: 12.54 min Scan# 910

Delta R.T. 0.02 min

Lab File: BF082457.D

Acq: 22 Oct 2015 21:01

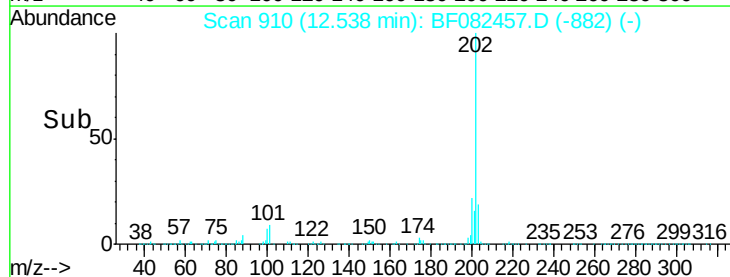
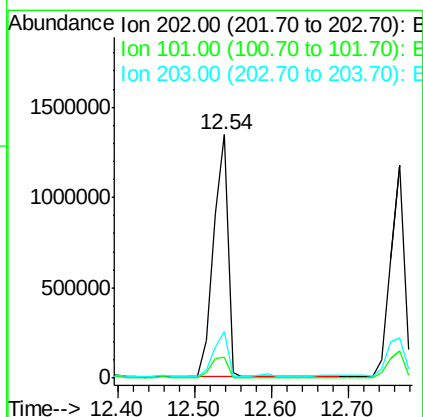
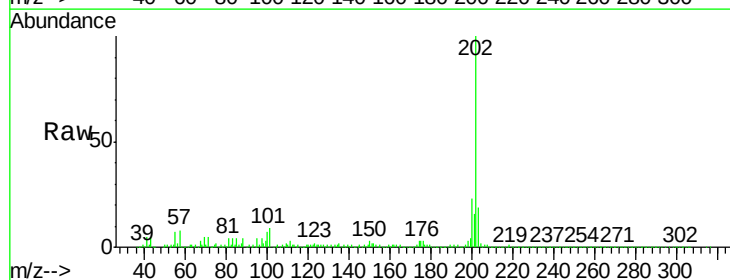
Tgt Ion:202 Resp: 1724933

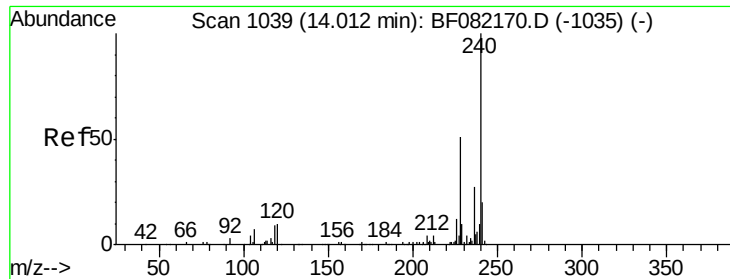
Ion Ratio Lower Upper

202 100

101 8.8 0.0 29.3

203 18.9 0.0 37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1039

Delta R.T. 0.01 min

Lab File: BF082457.D

Acq: 22 Oct 2015 21:01

Instrument :

BNA\_F

ClientSampleId :

SB15-45-2.5-3

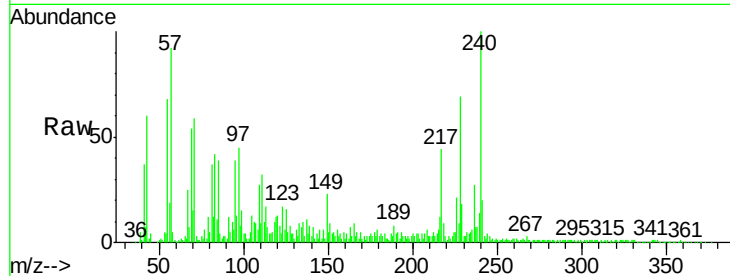
Tgt Ion:240 Resp: 217179

Ion Ratio Lower Upper

240 100

120 12.9 8.1 12.1#

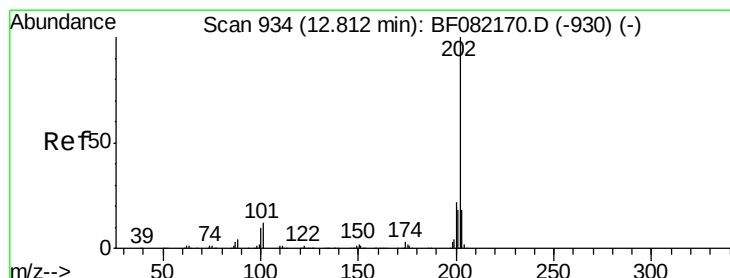
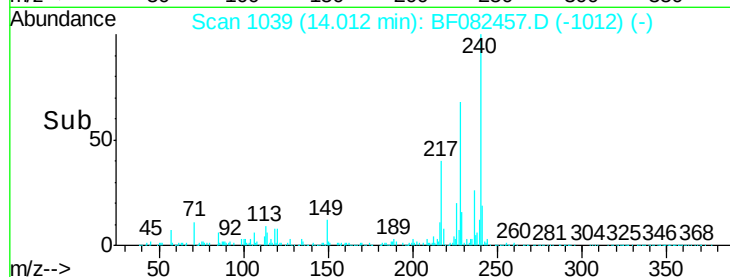
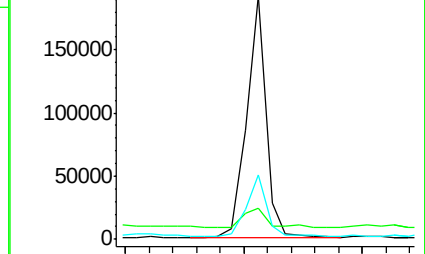
236 26.7 21.3 31.9



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



#77

Pyrene

Concen: 111.94 ng

RT: 12.77 min Scan# 930

Delta R.T. 0.02 min

Lab File: BF082457.D

Acq: 22 Oct 2015 21:01

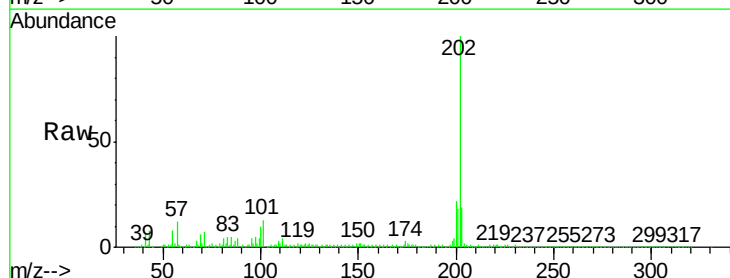
Tgt Ion:202 Resp: 1442783

Ion Ratio Lower Upper

202 100

200 22.2 17.9 26.9

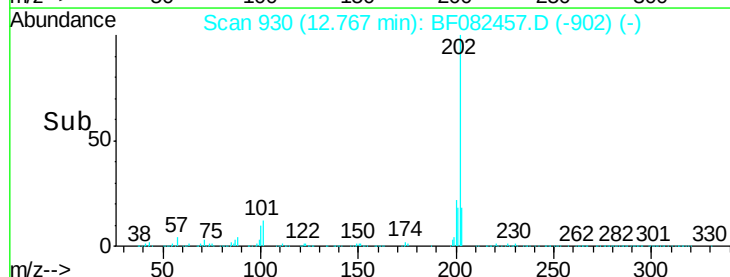
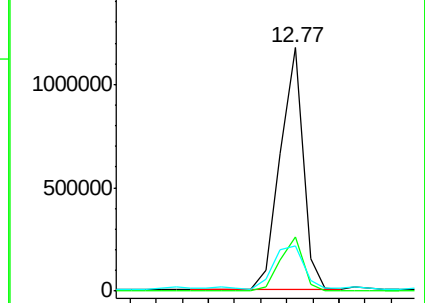
203 18.8 14.5 21.7

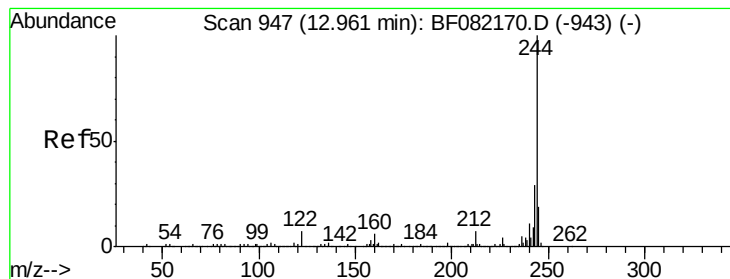


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 63.25 ng

RT: 12.90 min Scan# 942

Delta R.T. 0.01 min

Lab File: BF082457.D

Acq: 22 Oct 2015 21:01

Instrument :

BNA\_F

ClientSampleId :

SB15-45-2.5-3

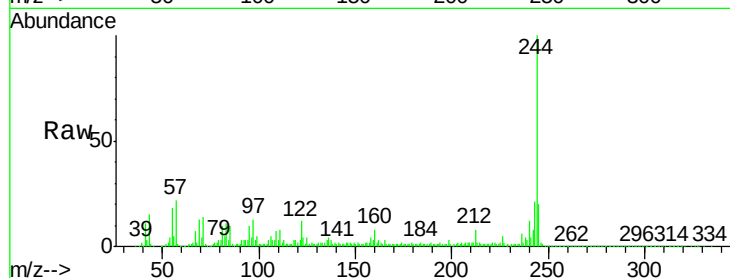
Tgt Ion:244 Resp: 518334

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.6

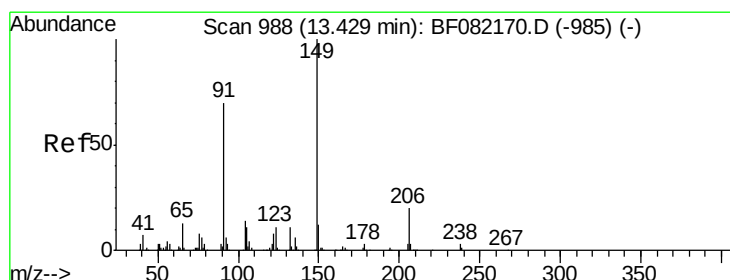
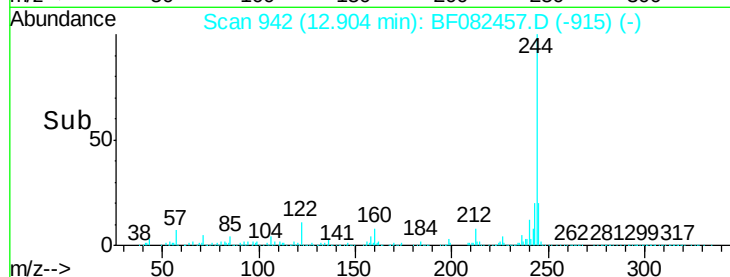
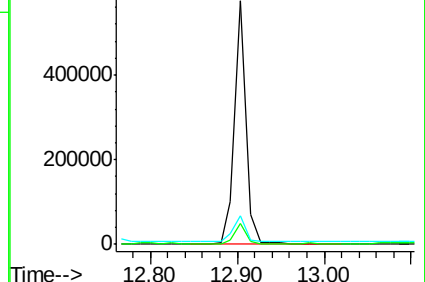
122 12.0 5.9 8.9#



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



#79

Butylbenzylphthalate

Concen: 9.73 ng

RT: 13.40 min Scan# 985

Delta R.T. 0.01 min

Lab File: BF082457.D

Acq: 22 Oct 2015 21:01

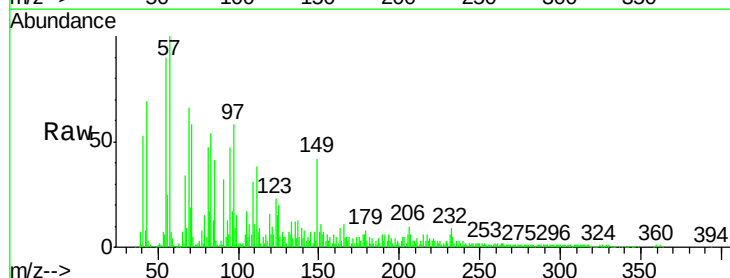
Tgt Ion:149 Resp: 57216

Ion Ratio Lower Upper

149 100

91 75.2 55.7 83.5

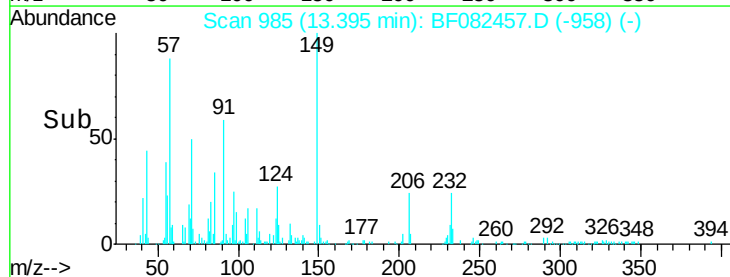
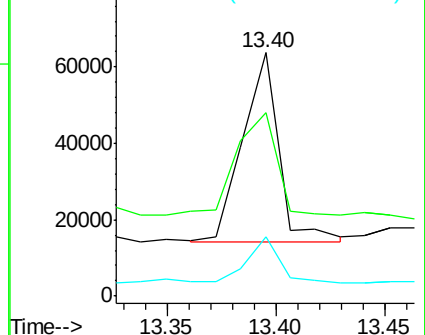
206 24.1 15.6 23.4#

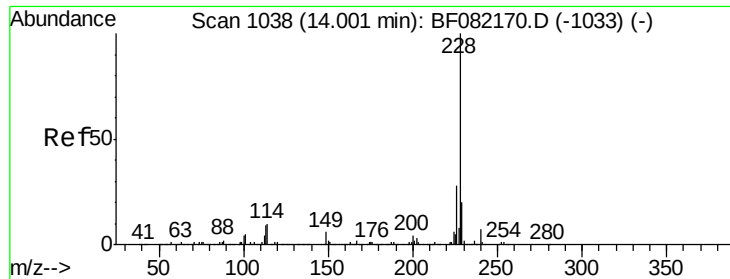


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

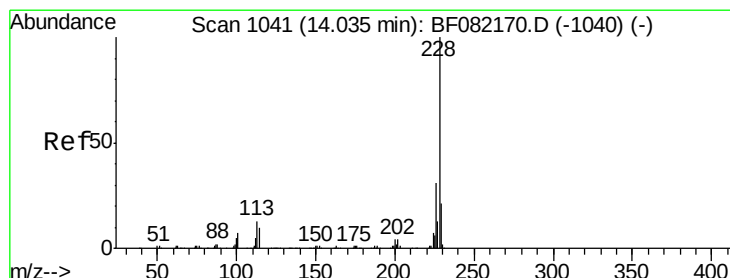
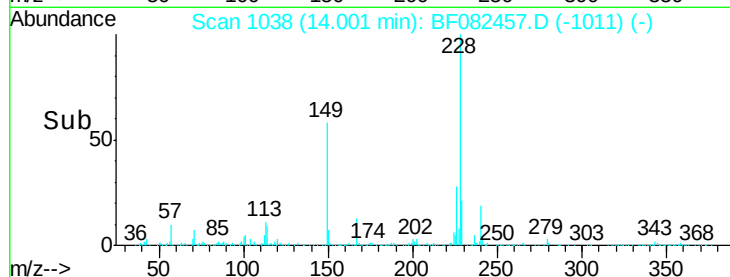
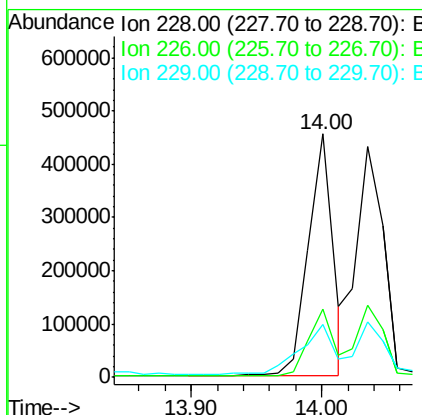
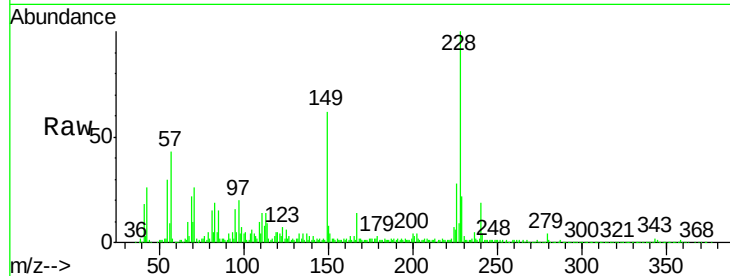




#80  
Benzo(a)anthracene  
Concen: 52.68 ng  
RT: 14.00 min Scan# 1038  
Delta R.T. 0.01 min  
Lab File: BF082457.D  
Acq: 22 Oct 2015 21:01

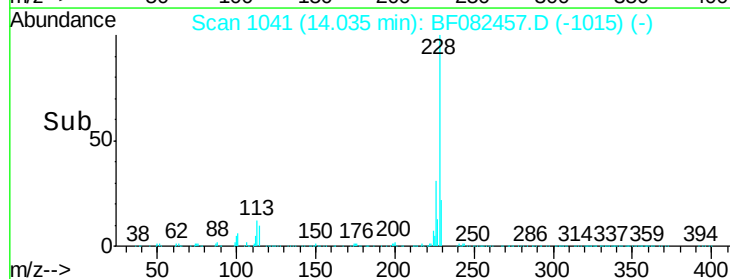
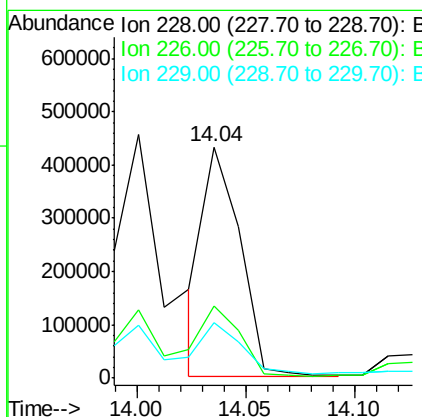
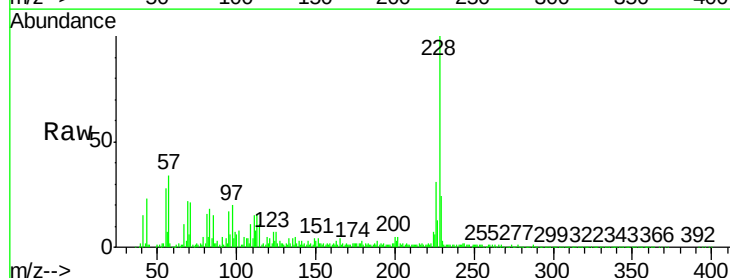
Instrument :  
BNA\_F  
ClientSampleId :  
SB15-45-2.5-3

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.2  | 22.3  | 33.5  |
| 229     | 21.8  | 16.2  | 24.2  |

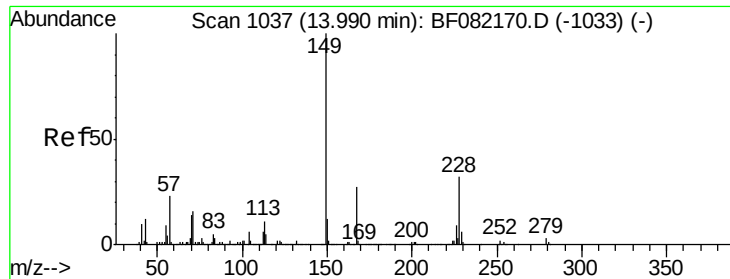


#82  
Chrysene  
Concen: 42.66 ng  
RT: 14.04 min Scan# 1041  
Delta R.T. 0.00 min  
Lab File: BF082457.D  
Acq: 22 Oct 2015 21:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.3  | 24.4  | 36.6  |
| 229     | 23.8  | 16.3  | 24.5  |



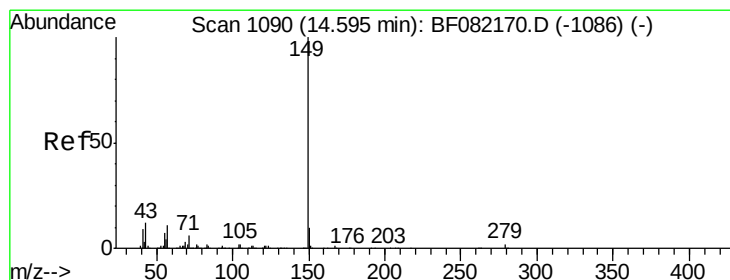
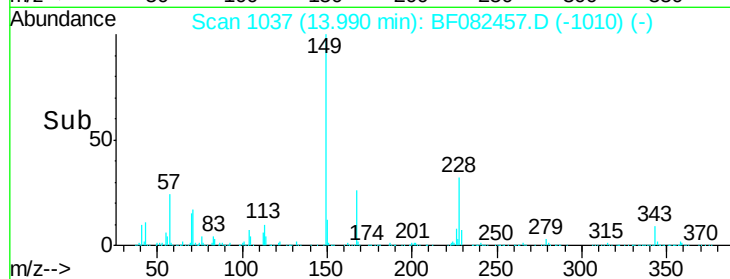
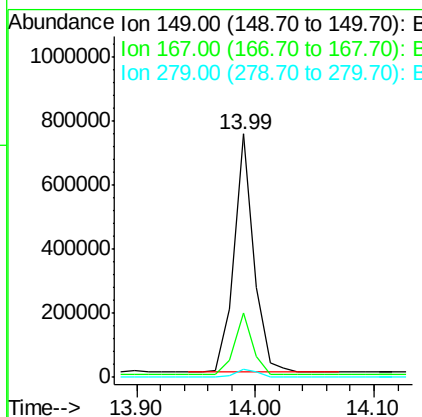
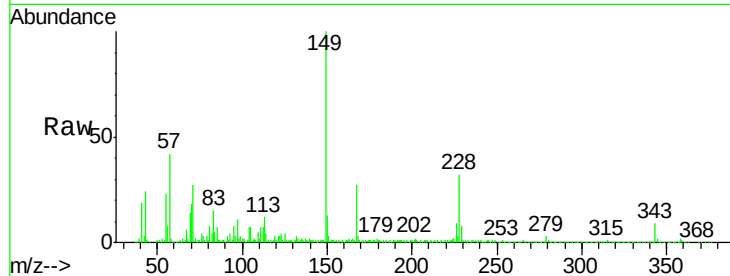




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 103.32 ng  
 RT: 13.99 min Scan# 1037  
 Delta R.T. 0.01 min  
 Lab File: BF082457.D  
 Acq: 22 Oct 2015 21:01

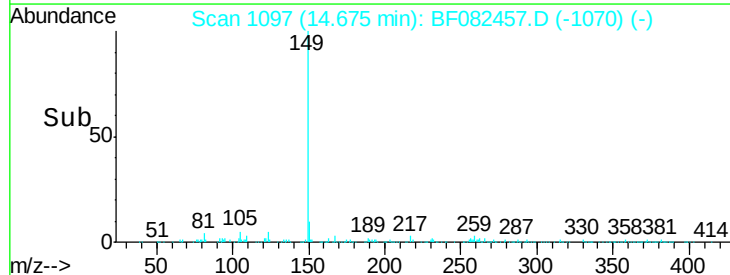
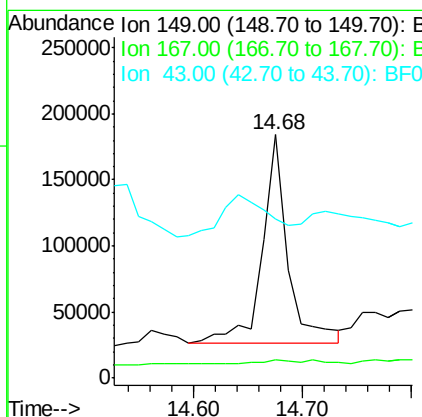
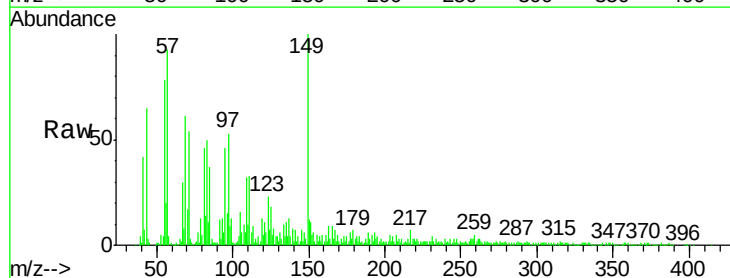
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB15-45-2.5-3

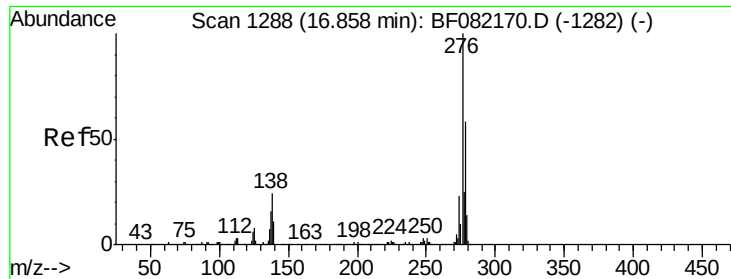
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.6  | 21.3  | 31.9  |
| 279     | 3.2   | 2.6   | 4.0   |



#84  
 Di-n-octyl phthalate  
 Concen: 17.78 ng  
 RT: 14.68 min Scan# 1097  
 Delta R.T. 0.01 min  
 Lab File: BF082457.D  
 Acq: 22 Oct 2015 21:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 2.6   | 1.3   | 1.9#  |
| 43      | 0.0   | 7.4   | 11.2# |

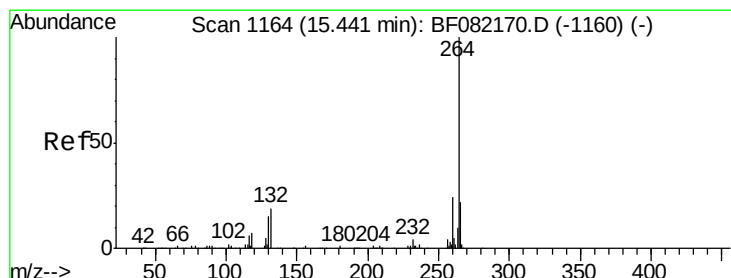
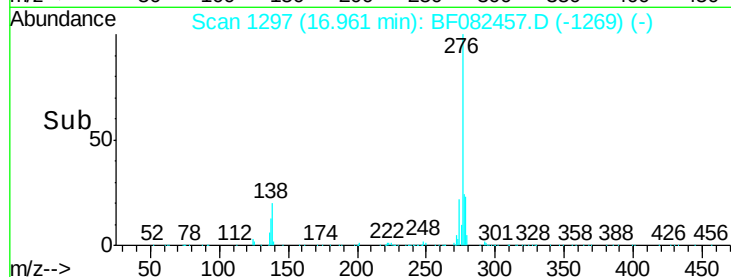
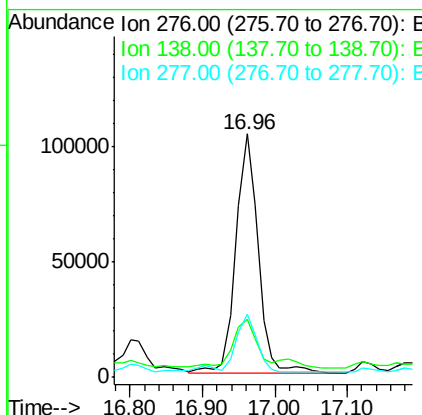
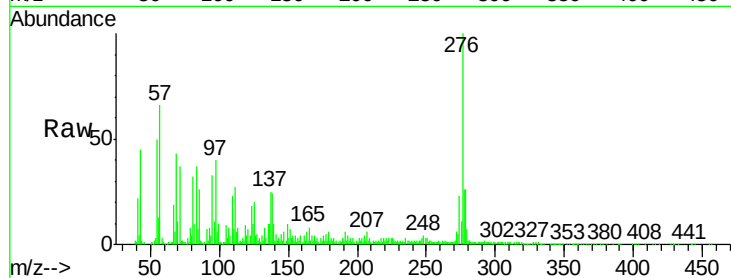




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 23.80 ng  
 RT: 16.96 min Scan# 1297  
 Delta R.T. 0.02 min  
 Lab File: BF082457.D  
 Acq: 22 Oct 2015 21:01

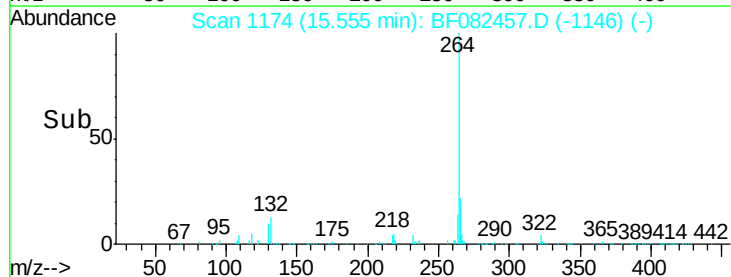
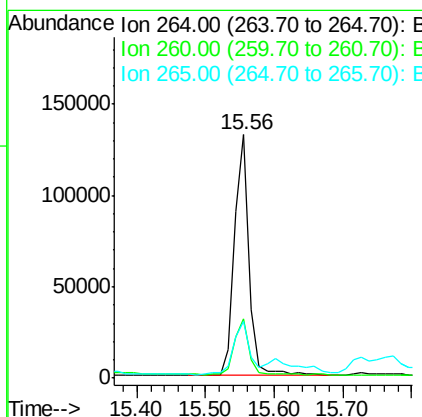
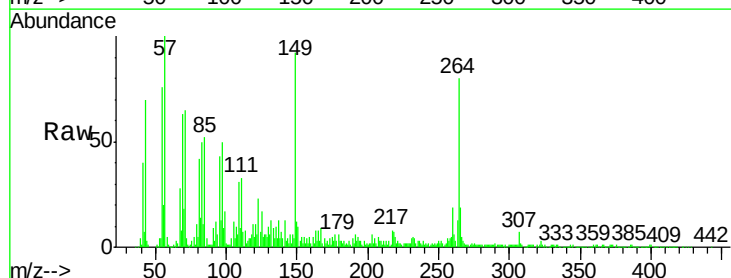
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB15-45-2.5-3

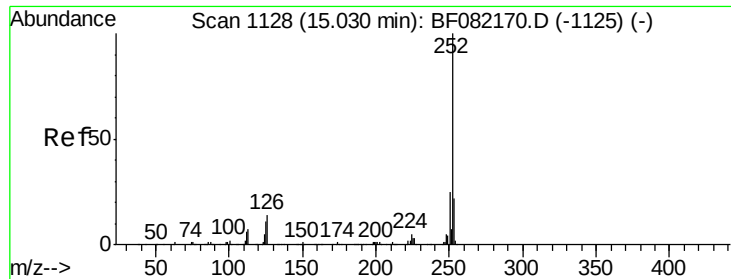
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 20.5  | 19.7  | 29.5  |
| 277     | 24.9  | 20.1  | 30.1  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.56 min Scan# 1174  
 Delta R.T. 0.02 min  
 Lab File: BF082457.D  
 Acq: 22 Oct 2015 21:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.4  | 19.0  | 28.6  |
| 265     | 23.4  | 17.3  | 25.9  |





#87

Benzo(b)fluoranthene

Concen: 68.64 ng

RT: 15.13 min Scan# 1137

Delta R.T. 0.01 min

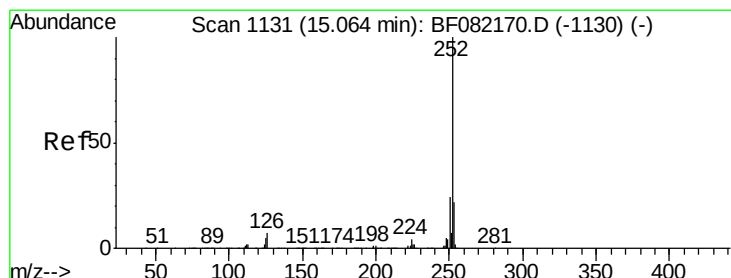
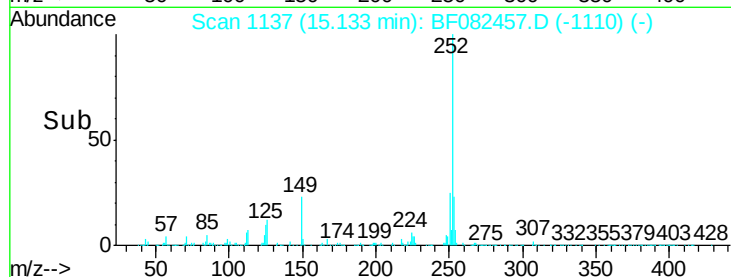
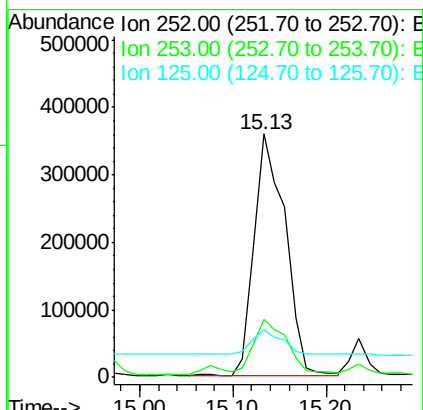
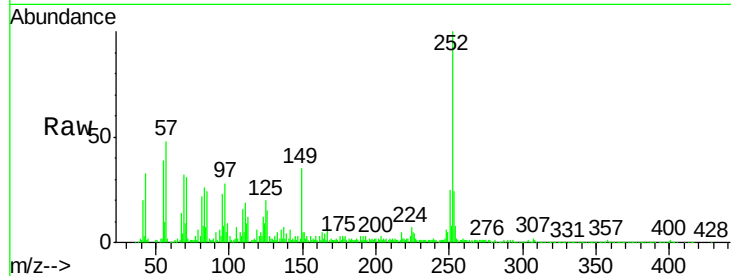
Lab File: BF082457.D

Acq: 22 Oct 2015 21:01

Instrument :  
BNA\_F  
ClientSampleId :  
SB15-45-2.5-3

Tgt Ion:252 Resp: 826951

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.9  | 18.0  | 27.0  |
| 125 | 19.9  | 8.6   | 12.8# |



#88

Benzo(k)fluoranthene

Concen: 81.66 ng

RT: 15.13 min Scan# 1137

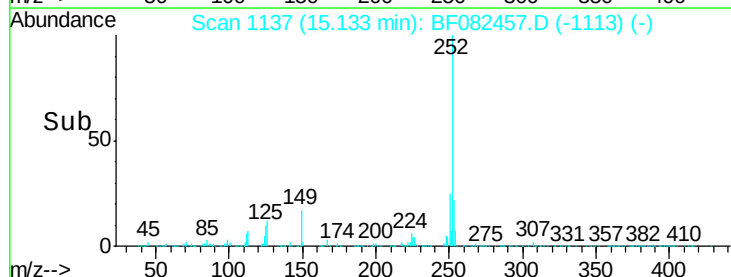
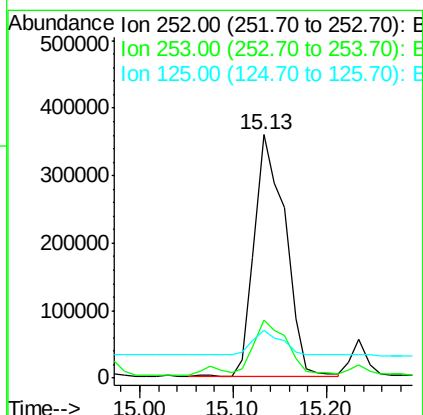
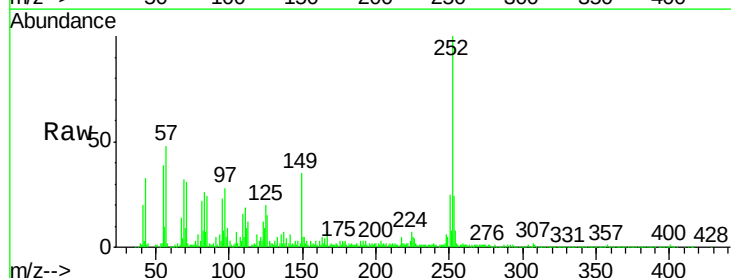
Delta R.T. -0.02 min

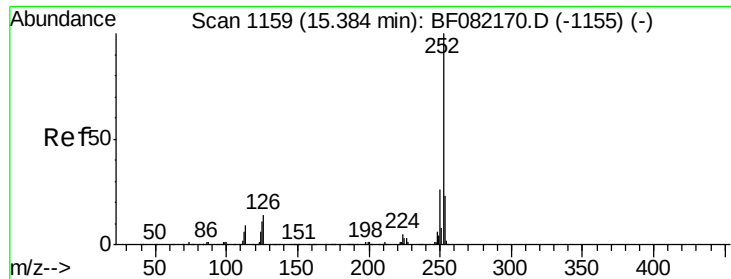
Lab File: BF082457.D

Acq: 22 Oct 2015 21:01

Tgt Ion:252 Resp: 826951

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.9  | 17.8  | 26.6  |
| 125 | 19.9  | 6.7   | 10.1# |





#89

Benzo(a)pyrene

Concen: 37.72 ng

RT: 15.49 min Scan# 1168

Delta R.T. 0.01 min

Lab File: BF082457.D

Acq: 22 Oct 2015 21:01

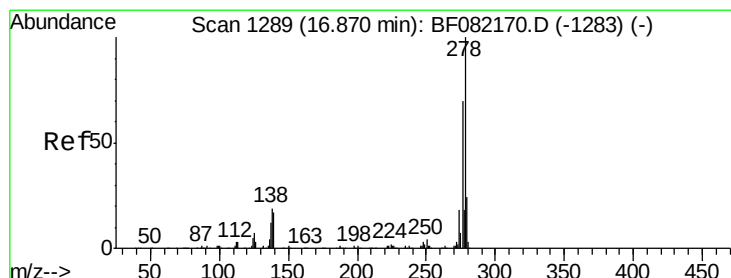
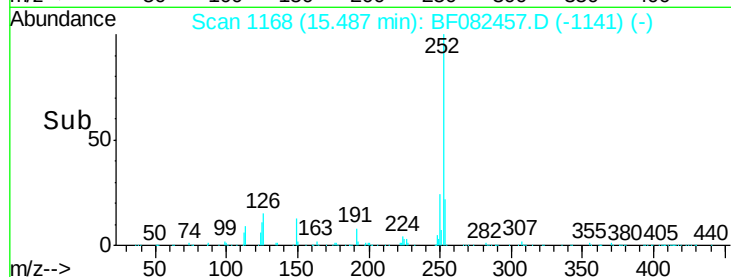
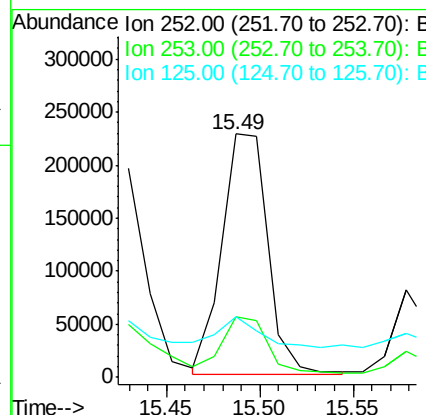
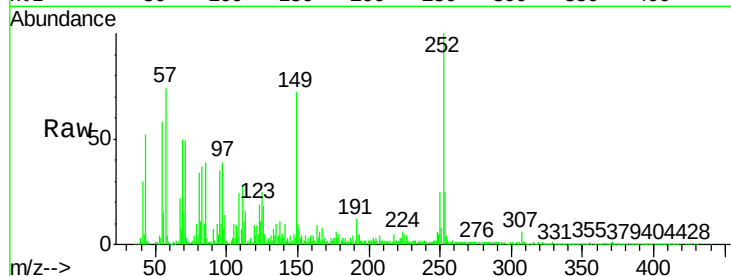
Instrument :

BNA\_F

ClientSampleId :

SB15-45-2.5-3

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 390514 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 25.1  | 18.2  | 27.2   |
| 125       | 24.9  | 8.9   | 13.3#  |



#90

Dibenzo(a,h)anthracene

Concen: 6.32 ng

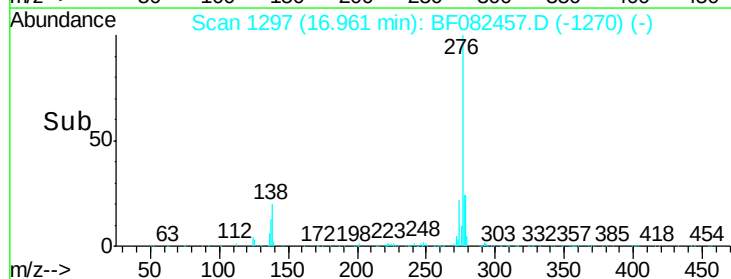
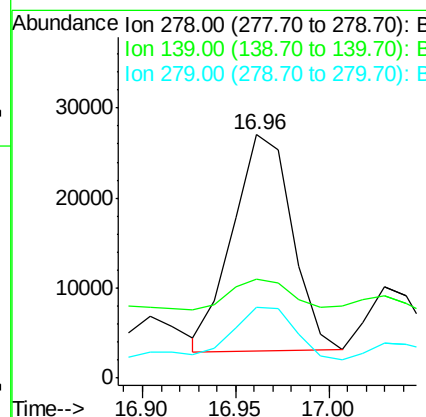
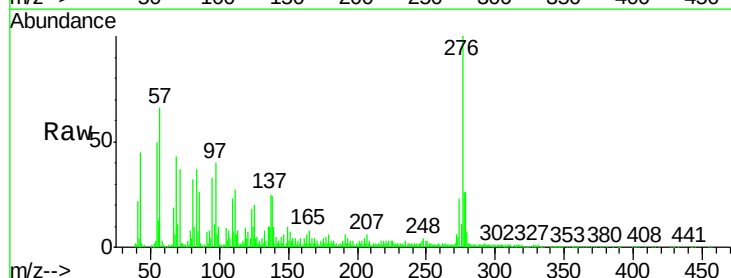
RT: 16.96 min Scan# 1297

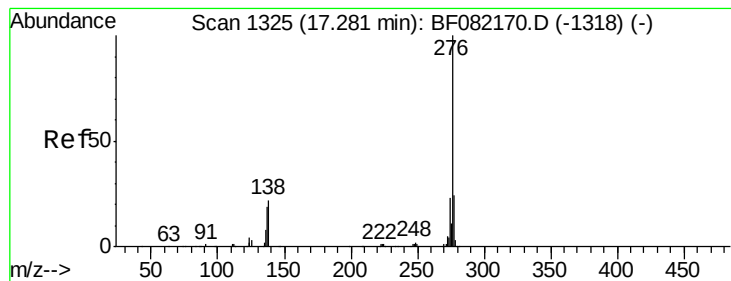
Delta R.T. 0.01 min

Lab File: BF082457.D

Acq: 22 Oct 2015 21:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 53665 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 40.5  | 13.3  | 19.9# |
| 279       | 28.9  | 18.9  | 28.3# |





#91

Benzo(g,h,i)perylene

Concen: 24.97 ng

RT: 17.38 min Scan# 1334

Delta R.T. 0.03 min

Lab File: BF082457.D

Acq: 22 Oct 2015 21:01

Instrument :

BNA\_F

ClientSampleId :

SB15-45-2.5-3

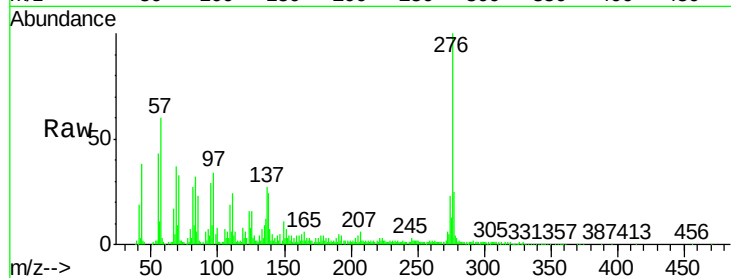
Tgt Ion: 276 Resp: 205819

Ion Ratio Lower Upper

276 100

277 24.8 18.8 28.2

138 24.0 17.4 26.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

