

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100215\
 Data File : BF082004.D
 Acq On : 3 Oct 2015 5:03
 Operator : UM/IZ
 Sample : G3897-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-2D(3.5-4)

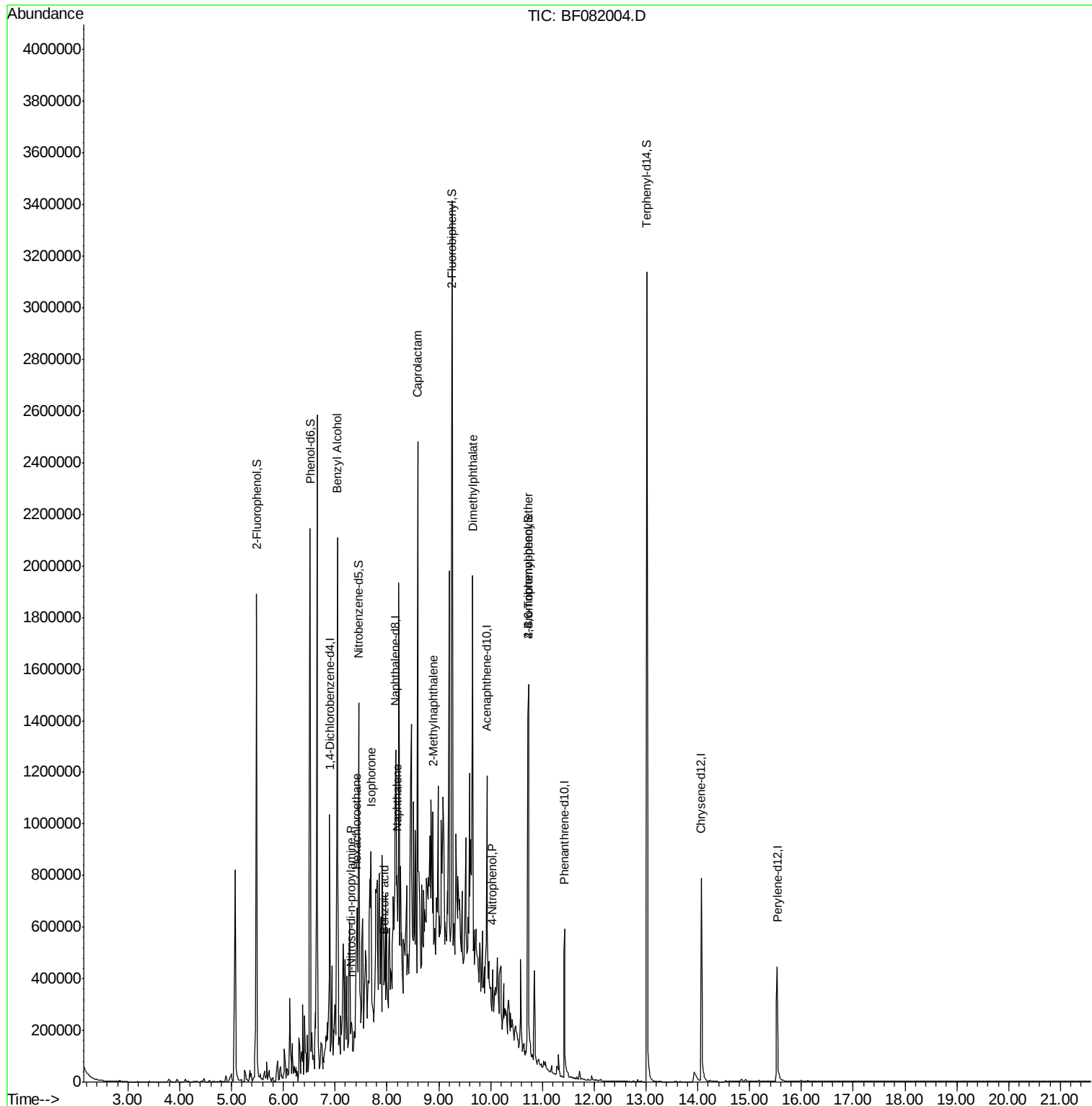
Quant Time: Oct 05 06:48:11 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 18:10:42 2015
 Response via : Initial Calibration

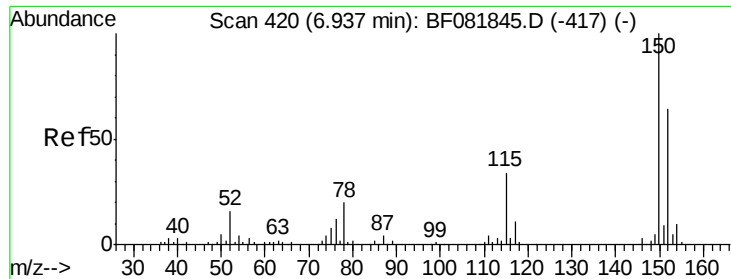
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	86813	20.00	ng	-0.05
21) Naphthalene-d8	8.17	136	345841	20.00	ng	-0.05
38) Acenaphthene-d10	9.93	164	177100	20.00	ng	-0.05
63) Phenanthrene-d10	11.43	188	370093	20.00	ng	-0.03
75) Chrysene-d12	14.07	240	376599	20.00	ng	-0.05
86) Perylene-d12	15.53	264	290348	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	774483	161.95	ng	-0.03
7) Phenol-d6	6.51	99	882186	146.60	ng	-0.05
23) Nitrobenzene-d5	7.45	82	530142	102.18	ng	-0.05
41) 2,4,6-Tribromophenol	10.73	330	304614	169.83	ng	-0.03
44) 2-Fluorobiphenyl	9.26	172	1099572	110.13	ng	-0.05
78) Terphenyl-d14	13.02	244	1224281	116.73	ng	-0.03
Target Compounds						
15) Benzyl Alcohol	7.04	79	12649	2.91	ng	# 31
18) Hexachloroethane	7.42	117	20764	10.18	ng	# 1
19) n-Nitroso-di-n-propylamine	7.31	70	7700	2.11	ng	# 47
25) Isophorone	7.69	82	38871	3.78	ng	# 1
31) Naphthalene	8.19	128	42162	2.75	ng	# 60
32) Benzoic acid	7.95	122	3767	8.47	ng	# 1
35) Caprolactam	8.59	113	49855	39.04	ng	# 12
37) 2-Methylnaphthalene	8.89	142	198429	18.97	ng	# 92
49) Dimethylphthalate	9.66	163	225945	18.48	ng	# 98
53) 2,4-Dinitrophenol	10.13	184	228	Below Cal	#	1
55) 4-Nitrophenol	10.03	139	4832	2.18	ng	# 23
57) Fluorene	10.48	166	6478	Below Cal	#	61
66) 4-Bromophenyl-phenylether	10.73	248	19933	5.34	ng	# 1
70) Phenanthrene	11.45	178	6033	Below Cal	#	92
73) Di-n-butylphthalate	11.99	149	1665	Below Cal	#	78

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

```
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Operator  : UM/IZ  
Sample    : G3897-01  
Misc      :  
ALS Vial  : 26    Sample Multiplier: 1
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 28 18:10:42 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 416

Delta R.T. -0.05 min

Lab File: BF082004.D

Acq: 3 Oct 2015 5:03

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)

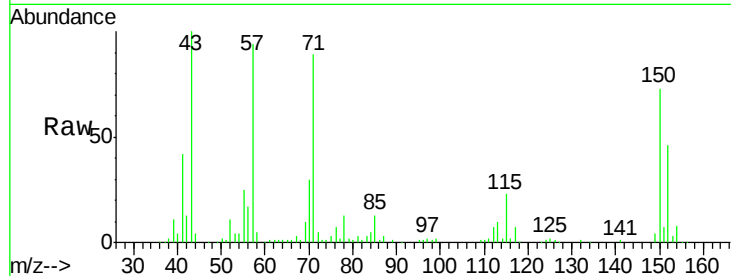
Tgt Ion:152 Resp: 86813

Ion Ratio Lower Upper

152 100

150 158.1 124.7 187.1

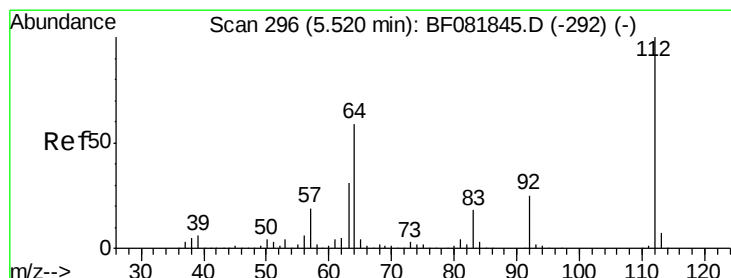
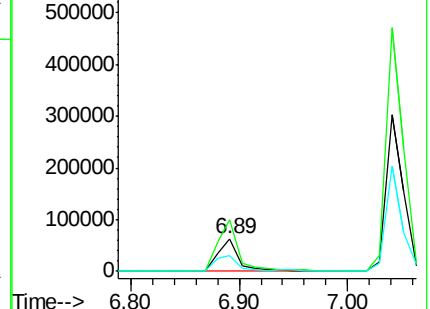
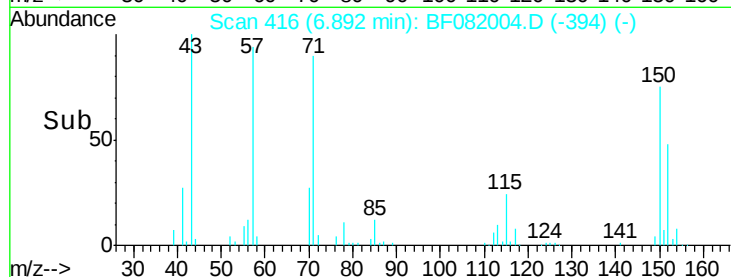
115 49.5 39.0 58.4



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: 161.95 ng

RT: 5.49 min Scan# 293

Delta R.T. -0.03 min

Lab File: BF082004.D

Acq: 3 Oct 2015 5:03

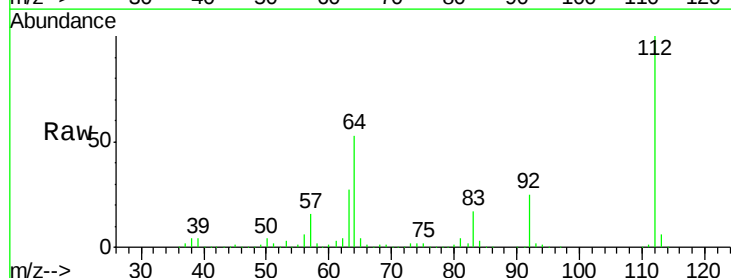
Tgt Ion:112 Resp: 774483

Ion Ratio Lower Upper

112 100

64 52.9 39.7 59.5

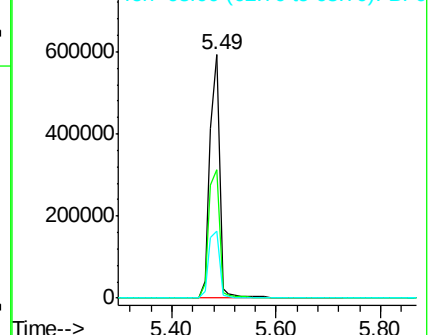
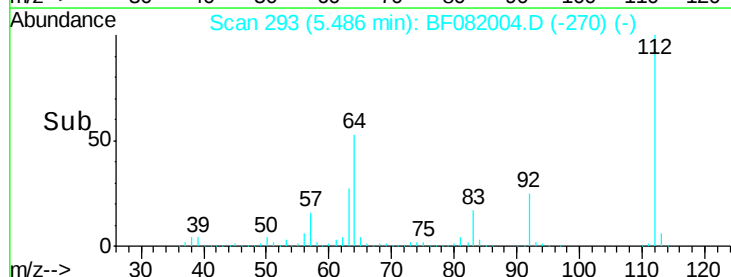
63 27.5 17.4 26.0#

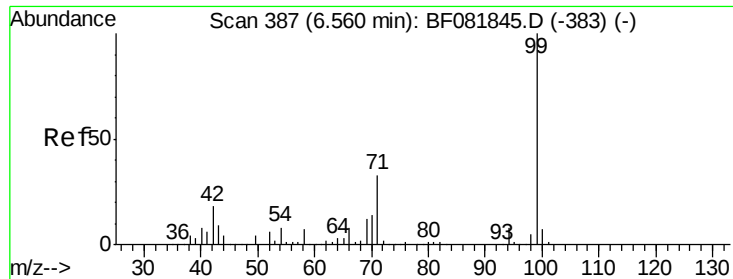


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 146.60 ng

RT: 6.51 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF082004.D

Acq: 3 Oct 2015 5:03

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)

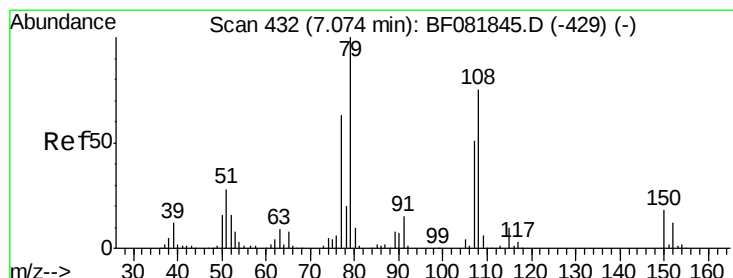
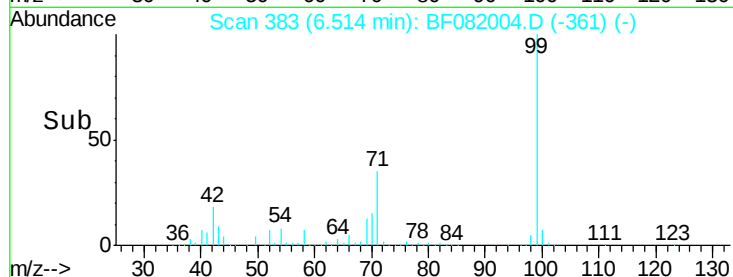
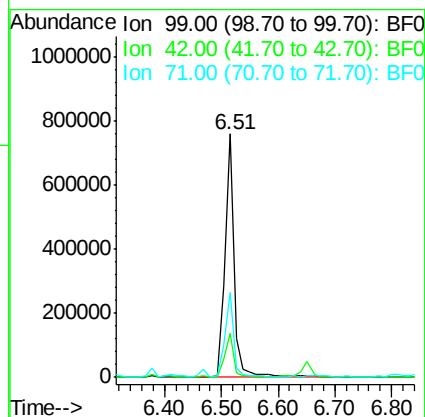
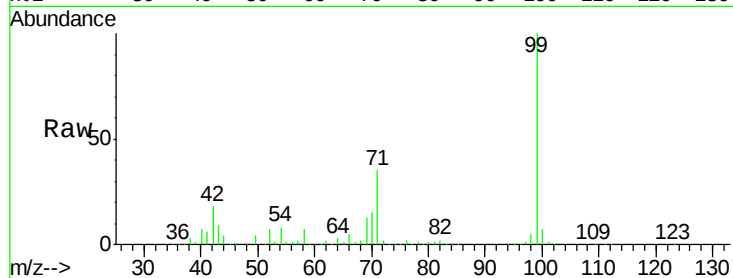
Tgt Ion: 99 Resp: 882186

Ion Ratio Lower Upper

99 100

42 18.0 13.7 20.5

71 35.0 14.2 21.2#



#15

Benzyl Alcohol

Concen: 2.91 ng

RT: 7.04 min Scan# 429

Delta R.T. -0.03 min

Lab File: BF082004.D

Acq: 3 Oct 2015 5:03

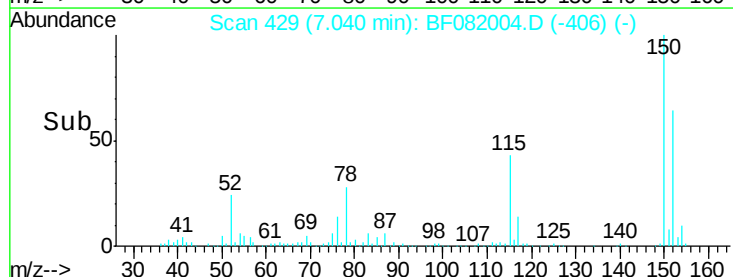
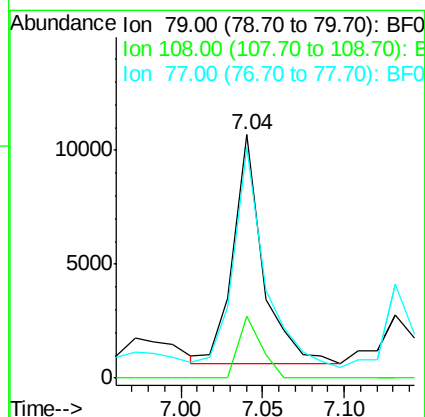
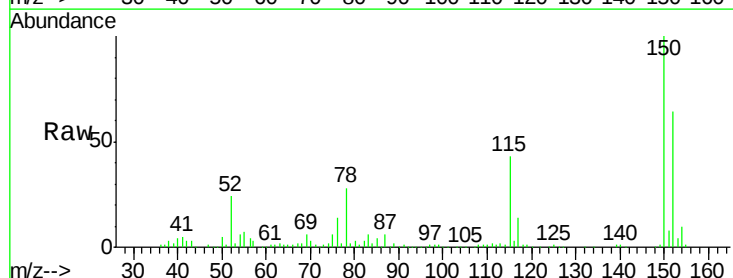
Tgt Ion: 79 Resp: 12649

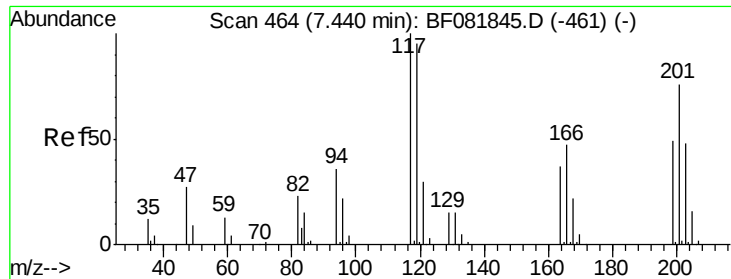
Ion Ratio Lower Upper

79 100

108 25.6 88.6 132.8#

77 95.0 47.0 70.4#

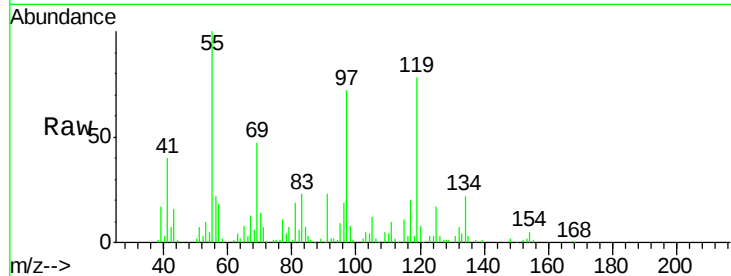




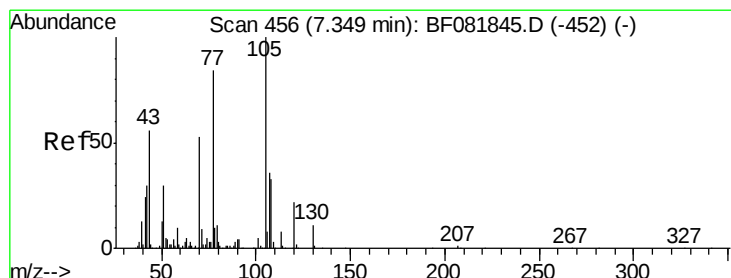
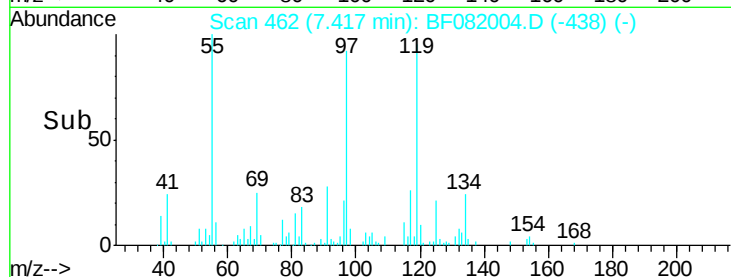
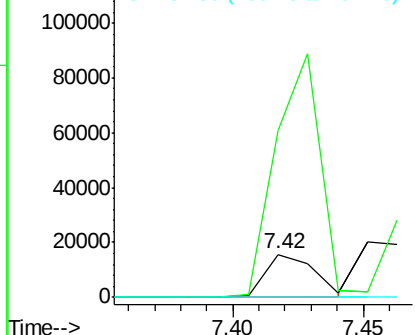
#18
Hexachloroethane
Concen: 10.18 ng
RT: 7.42 min Scan# 462
Delta R.T. -0.02 min
Lab File: BF082004.D
Acq: 3 Oct 2015 5:03

Instrument :
BNA_F
ClientSampleId :
B-2D(3.5-4)

Tgt Ion: 117 Resp: 20764
Ion Ratio Lower Upper
117 100
119 387.5 83.8 125.6#
201 0.0 55.1 82.7#

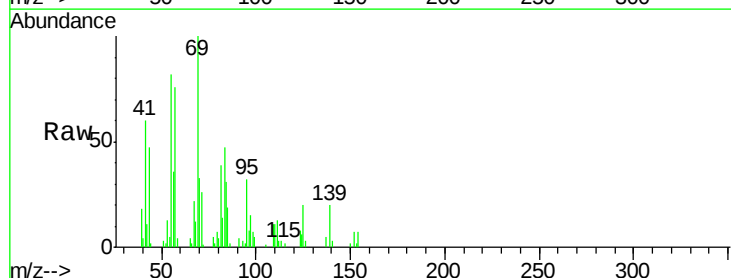


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

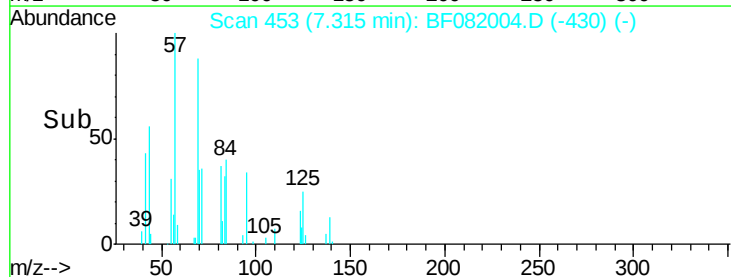
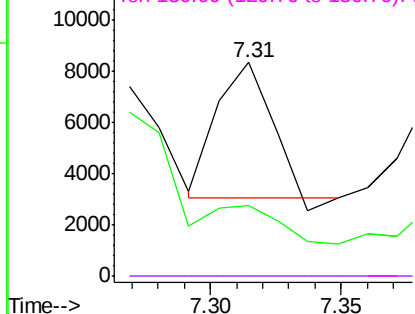


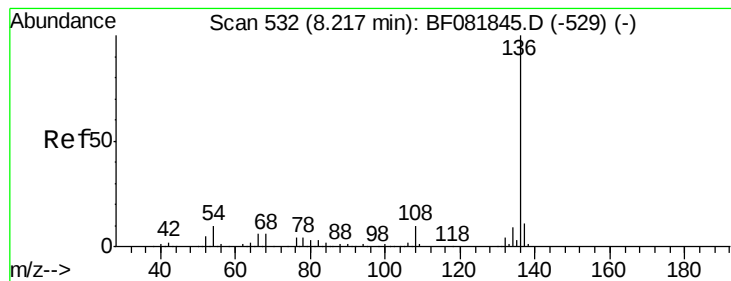
#19
n-Nitroso-di-n-propylamine
Concen: 2.11 ng
RT: 7.31 min Scan# 453
Delta R.T. -0.03 min
Lab File: BF082004.D
Acq: 3 Oct 2015 5:03

Tgt Ion: 70 Resp: 7700
Ion Ratio Lower Upper
70 100
42 33.2 63.8 95.6#
101 0.0 9.2 13.8#
130 0.0 27.3 40.9#



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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 528

Delta R.T. -0.05 min

Lab File: BF082004.D

Acq: 3 Oct 2015 5:03

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)

Tgt Ion: 136 Resp: 345841

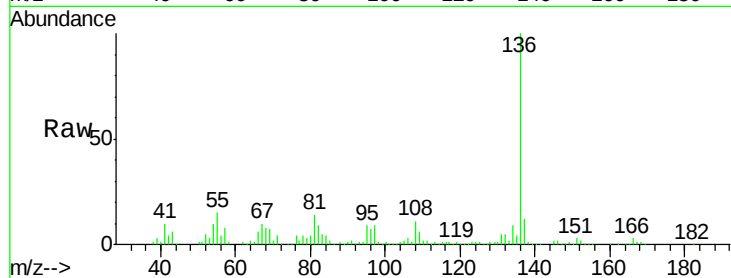
Ion Ratio Lower Upper

136 100

137 11.7 9.0 13.6

54 10.5 8.2 12.2

68 8.0 5.8 8.6

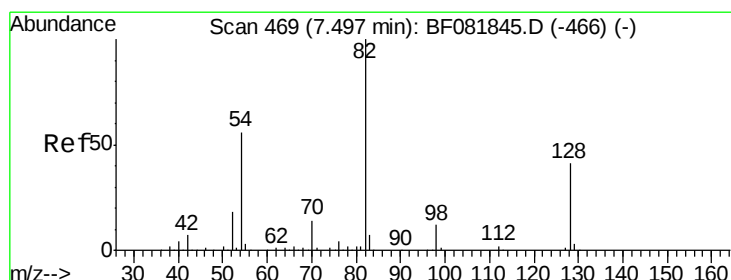
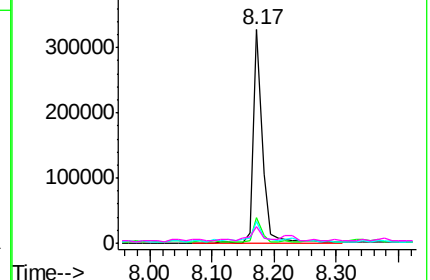
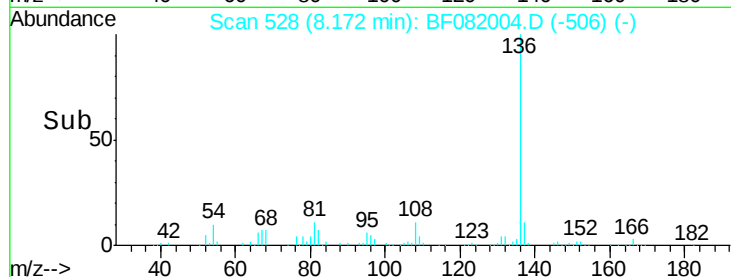


Abundance Ion 136.00 (135.70 to 136.70): E

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: 102.18 ng

RT: 7.45 min Scan# 465

Delta R.T. -0.05 min

Lab File: BF082004.D

Acq: 3 Oct 2015 5:03

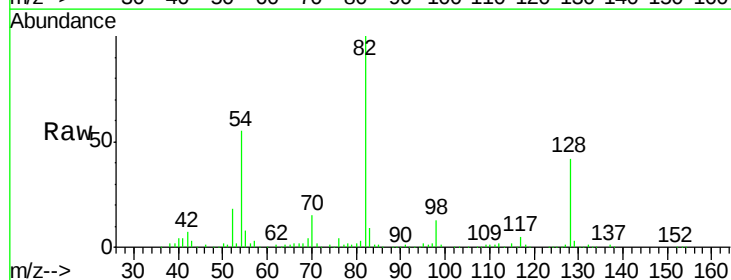
Tgt Ion: 82 Resp: 530142

Ion Ratio Lower Upper

82 100

128 41.5 51.0 76.6#

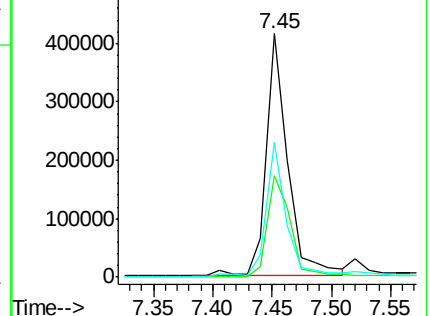
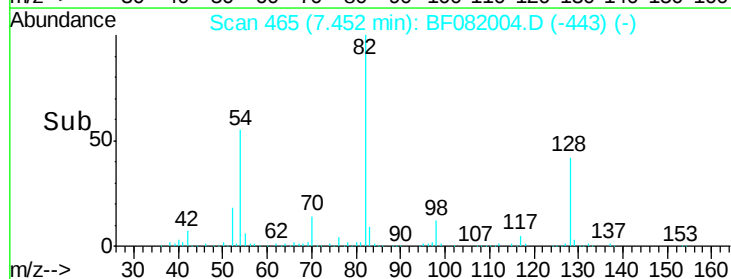
54 55.1 47.5 71.3

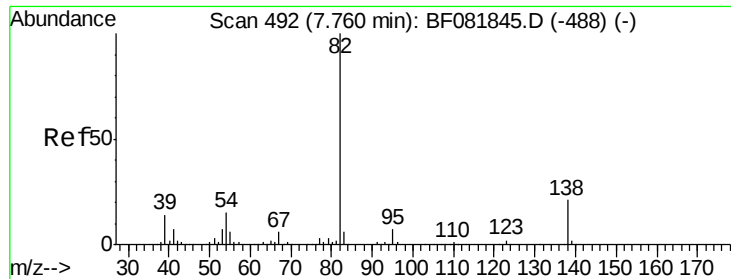


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 3.78 ng

RT: 7.69 min Scan# 486

Delta R.T. -0.07 min

Lab File: BF082004.D

Acq: 3 Oct 2015 5:03

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)

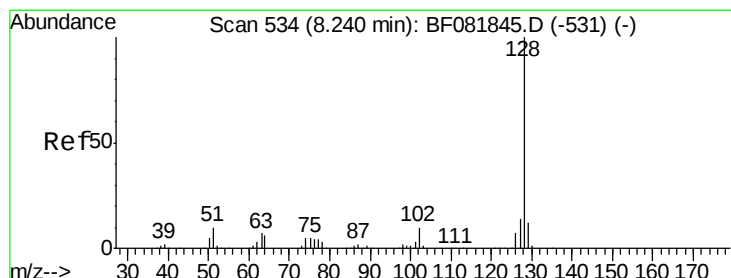
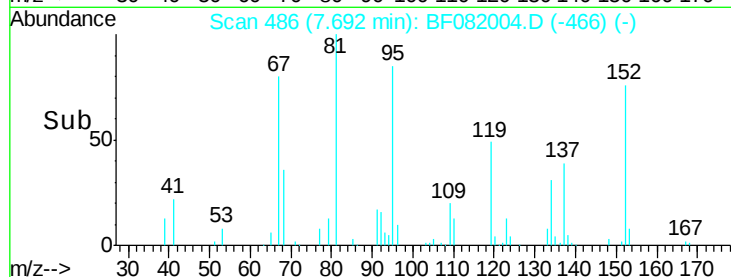
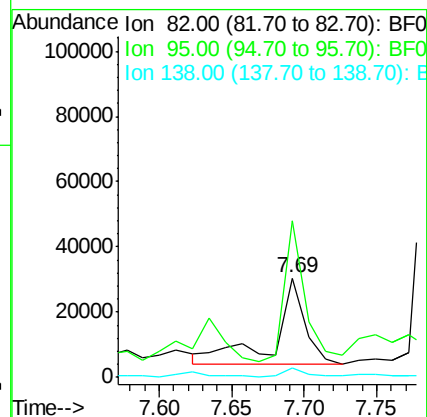
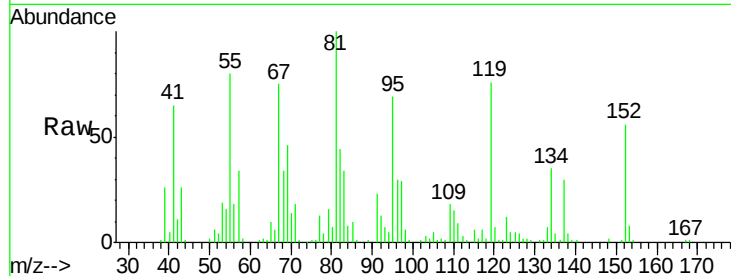
Tgt Ion: 82 Resp: 38871

Ion Ratio Lower Upper

82 100

95 157.5 4.0 6.0#

138 8.9 18.3 27.5#



#31

Naphthalene

Concen: 2.75 ng

RT: 8.19 min Scan# 530

Delta R.T. -0.05 min

Lab File: BF082004.D

Acq: 3 Oct 2015 5:03

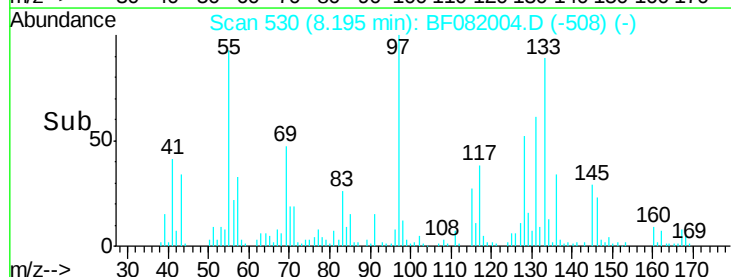
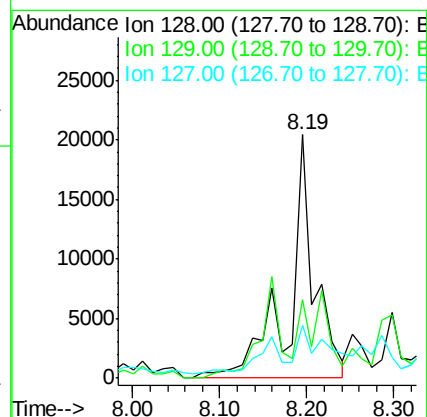
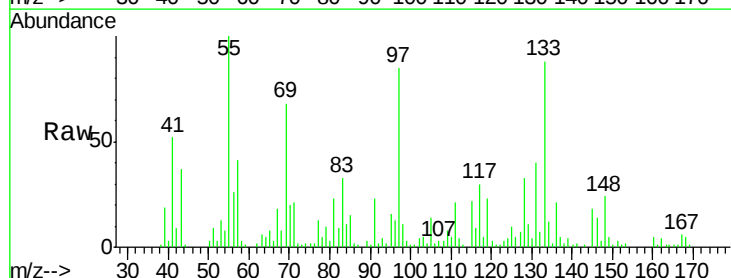
Tgt Ion: 128 Resp: 42162

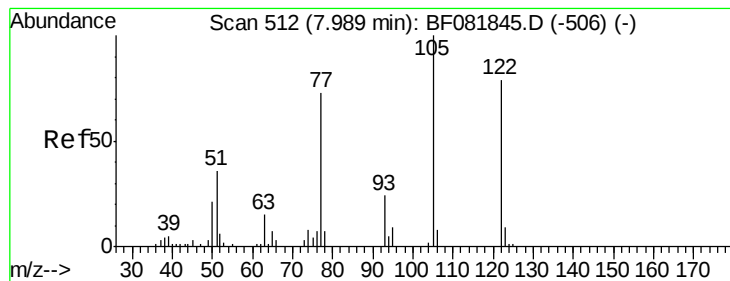
Ion Ratio Lower Upper

128 100

129 32.3 8.4 12.6#

127 21.8 9.9 14.9#





#32

Benzoic acid

Concen: 8.47 ng

RT: 7.95 min Scan# 509

Delta R.T. -0.03 min

Lab File: BF082004.D

Acq: 3 Oct 2015 5:03

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)

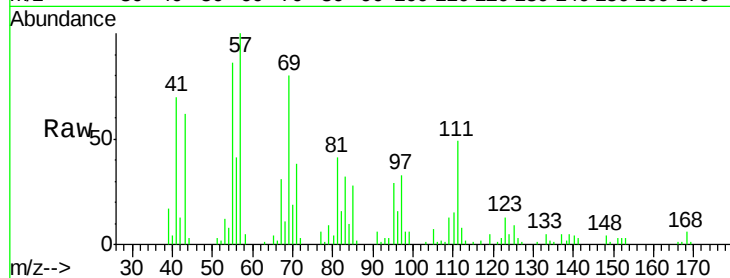
Tgt Ion:122 Resp: 3767

Ion Ratio Lower Upper

122 100

105 258.0 76.1 116.1#

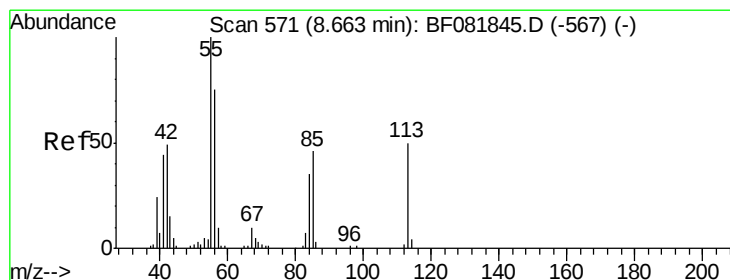
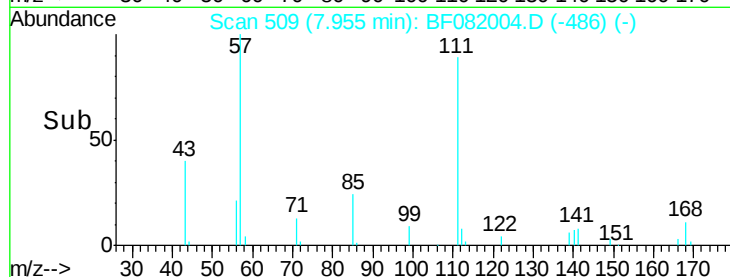
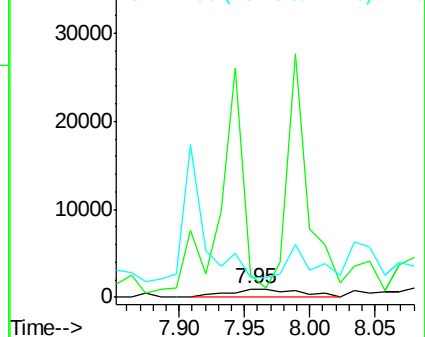
77 227.5 40.5 80.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#35

Caprolactam

Concen: 39.04 ng

RT: 8.59 min Scan# 565

Delta R.T. -0.07 min

Lab File: BF082004.D

Acq: 3 Oct 2015 5:03

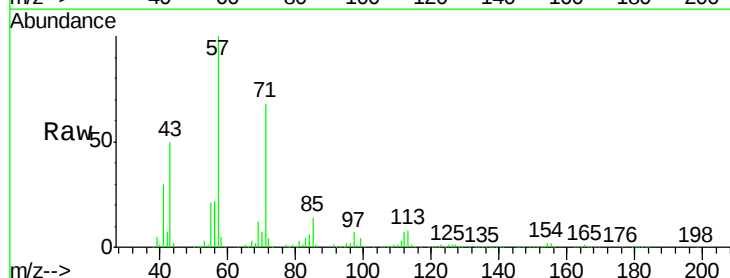
Tgt Ion:113 Resp: 49855

Ion Ratio Lower Upper

113 100

55 253.4 152.4 192.4#

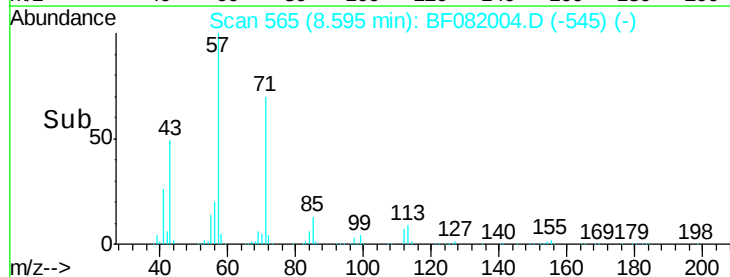
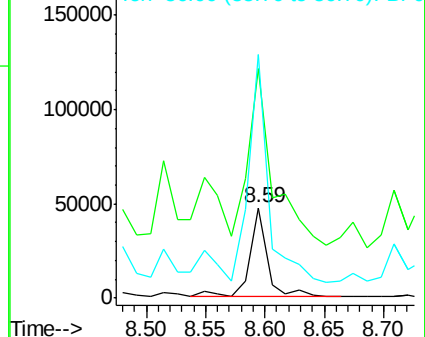
56 269.4 104.6 144.6#

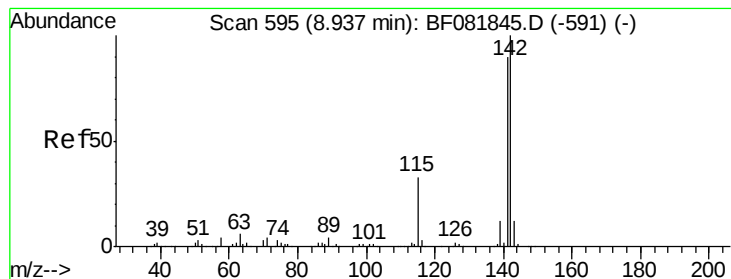


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

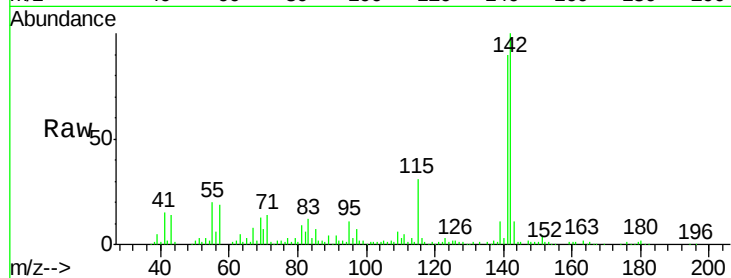




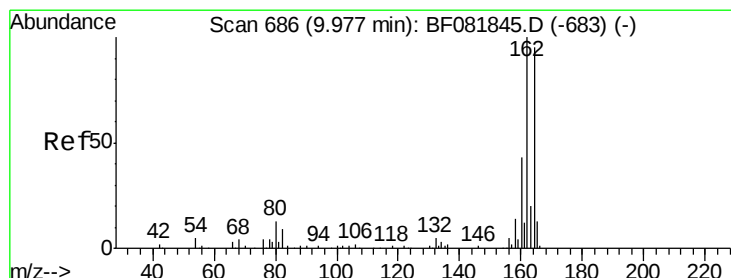
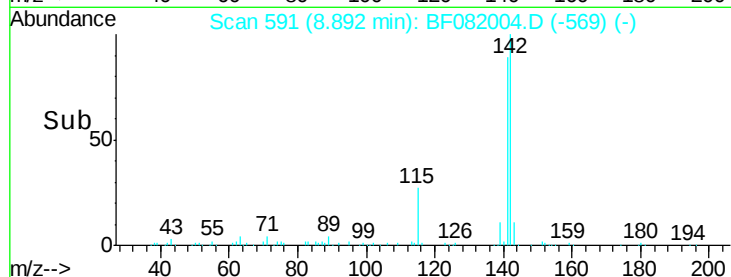
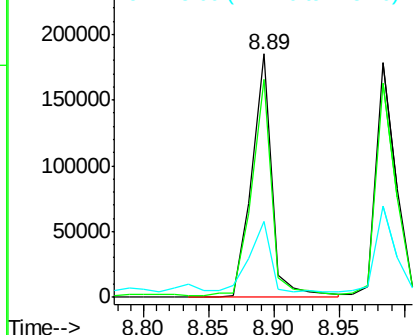
#37
 2-Methylnaphthalene
 Concen: 18.97 ng
 RT: 8.89 min Scan# 591
 Delta R.T. -0.05 min
 Lab File: BF082004.D
 Acq: 3 Oct 2015 5:03

Instrument :
 BNA_F
 ClientSampleId :
 B-2D(3.5-4)

Tgt Ion:142 Resp: 198429
 Ion Ratio Lower Upper
 142 100
 141 89.6 67.5 101.3
 115 31.4 18.2 27.2#

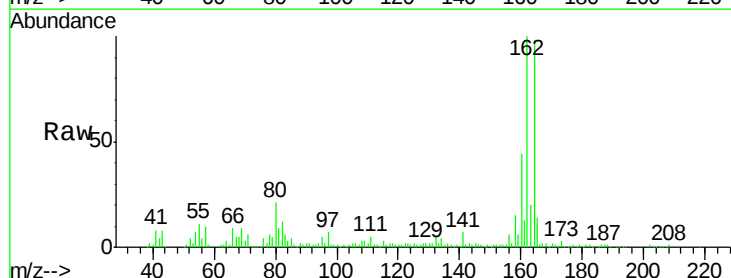


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

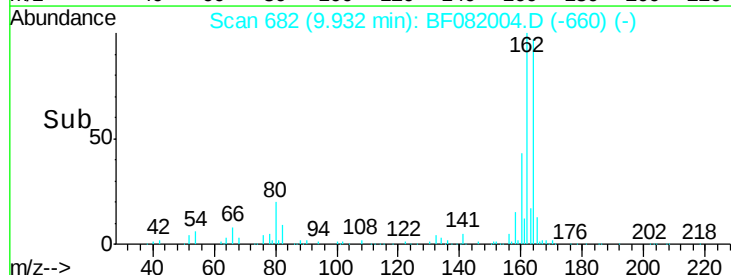
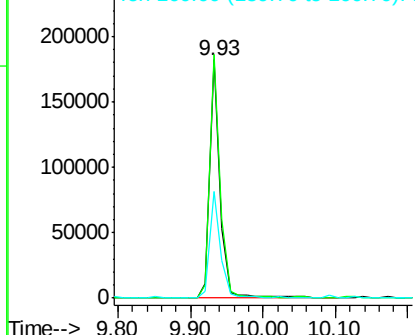


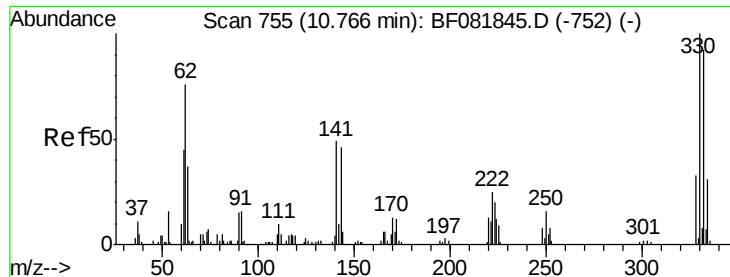
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.93 min Scan# 682
 Delta R.T. -0.05 min
 Lab File: BF082004.D
 Acq: 3 Oct 2015 5:03

Tgt Ion:164 Resp: 177100
 Ion Ratio Lower Upper
 164 100
 162 102.4 75.2 112.8
 160 45.0 31.5 47.3



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

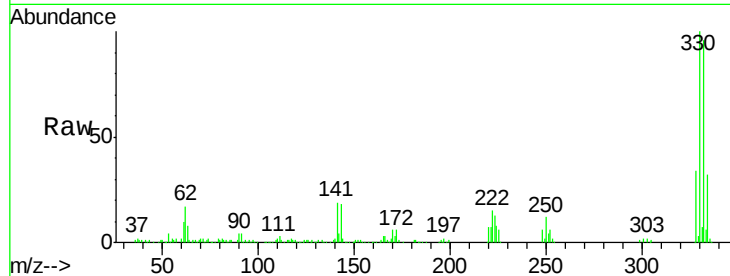




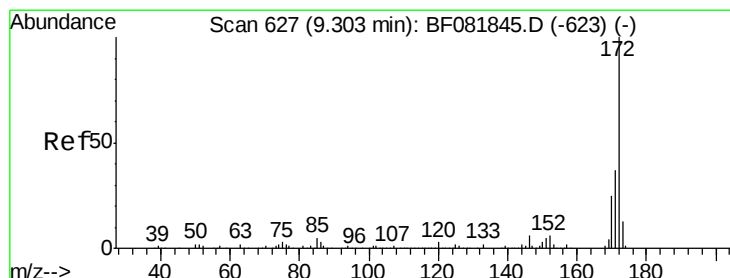
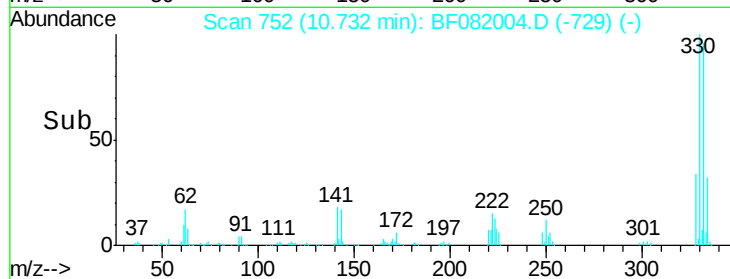
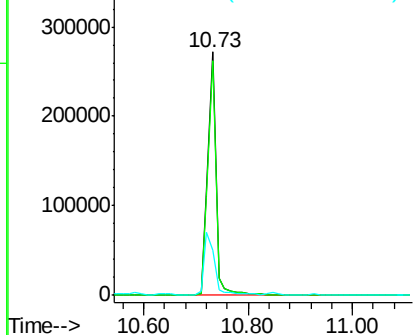
#41
 2,4,6-Tribromophenol
 Concen: 169.83 ng
 RT: 10.73 min Scan# 752
 Delta R.T. -0.03 min
 Lab File: BF082004.D
 Acq: 3 Oct 2015 5:03

Instrument :
 BNA_F
 ClientSampleId :
 B-2D(3.5-4)

Tgt Ion:330 Resp: 304614
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.6 114.8
 141 31.2 29.7 44.5

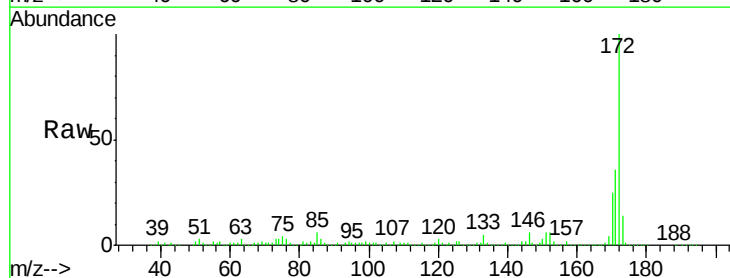


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

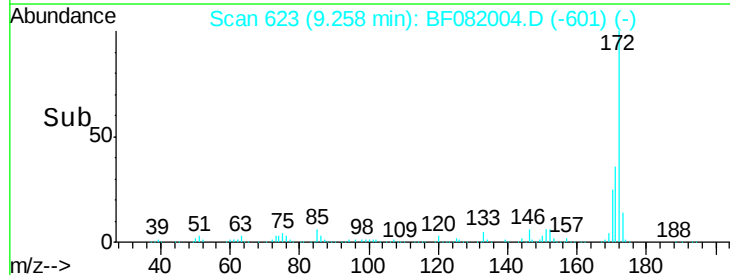
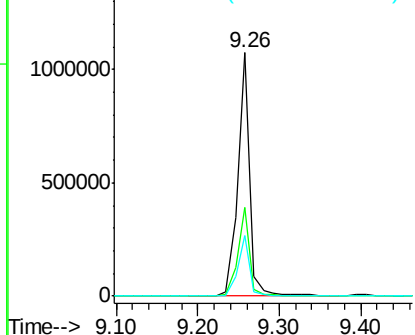


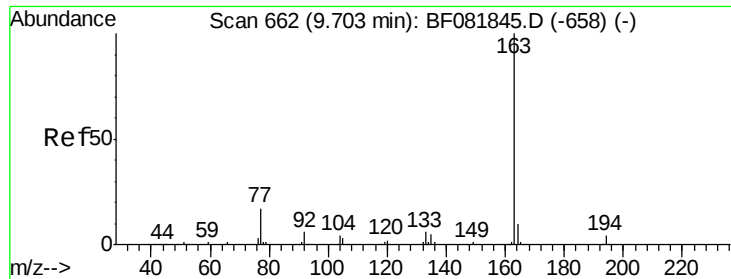
#44
 2-Fluorobiphenyl
 Concen: 110.13 ng
 RT: 9.26 min Scan# 623
 Delta R.T. -0.05 min
 Lab File: BF082004.D
 Acq: 3 Oct 2015 5:03

Tgt Ion:172 Resp: 1099572
 Ion Ratio Lower Upper
 172 100
 171 36.4 26.1 39.1
 170 24.9 17.4 26.2



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: 18.48 ng

RT: 9.66 min Scan# 658

Delta R.T. -0.05 min

Lab File: BF082004.D

Acq: 3 Oct 2015 5:03

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)

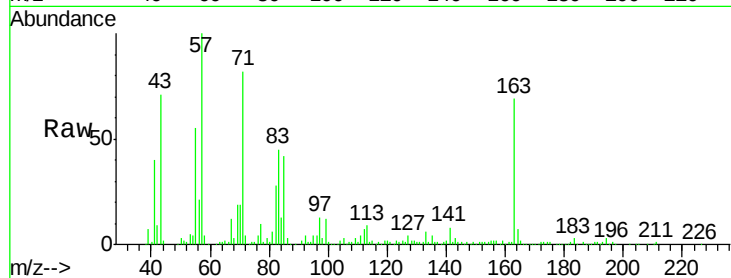
Tgt Ion:163 Resp: 225945

Ion Ratio Lower Upper

163 100

194 4.3 4.4 6.6#

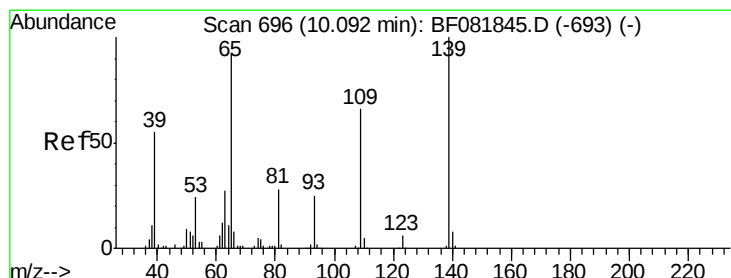
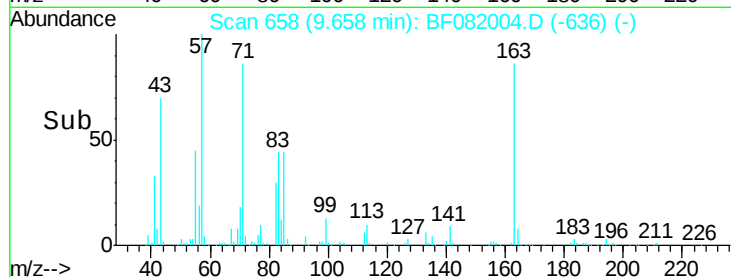
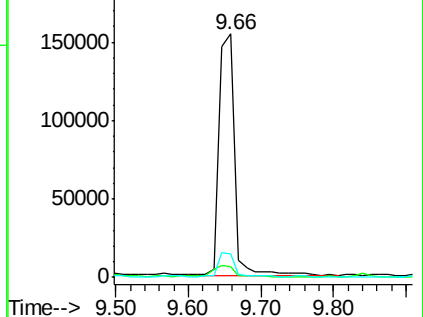
164 9.7 8.3 12.5



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



#55

4-Nitrophenol

Concen: 2.18 ng

RT: 10.03 min Scan# 691

Delta R.T. -0.06 min

Lab File: BF082004.D

Acq: 3 Oct 2015 5:03

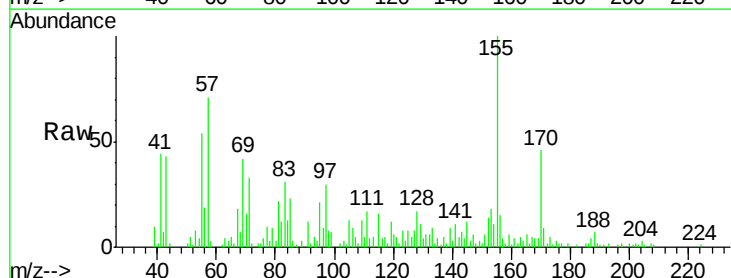
Tgt Ion:139 Resp: 4832

Ion Ratio Lower Upper

139 100

109 143.0 12.7 52.7#

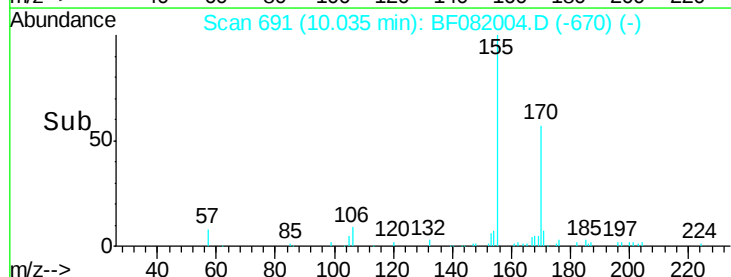
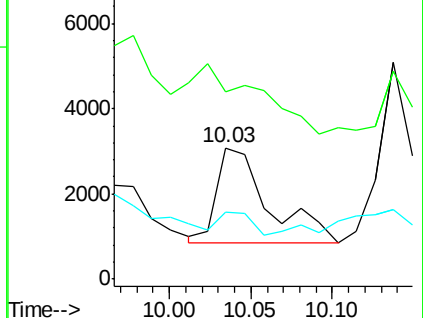
65 51.3 45.9 85.9

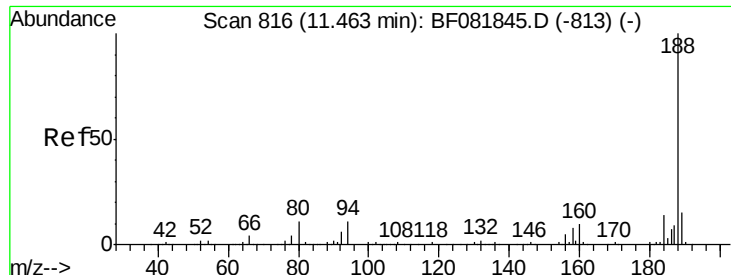


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

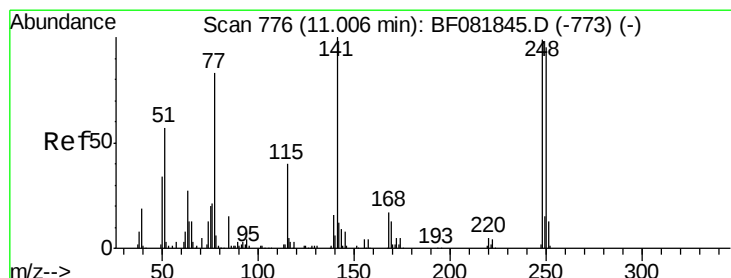
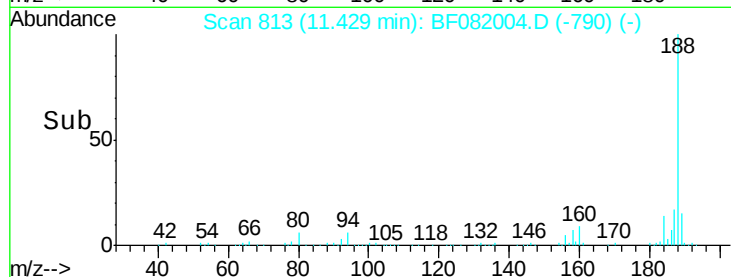
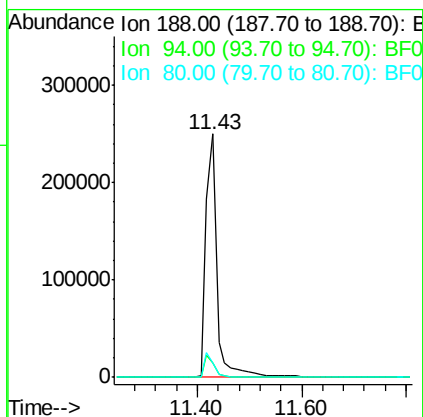
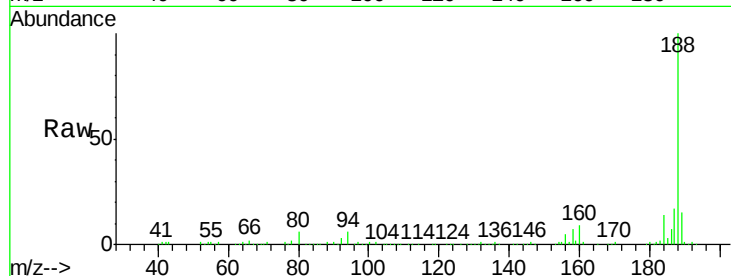




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 813
Delta R.T. -0.03 min
Lab File: BF082004.D
Acq: 3 Oct 2015 5:03

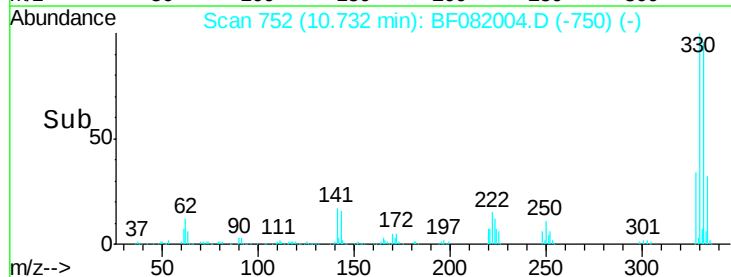
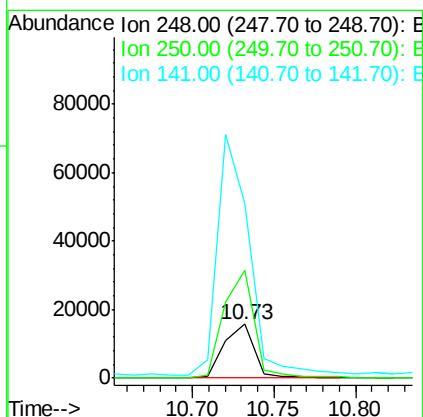
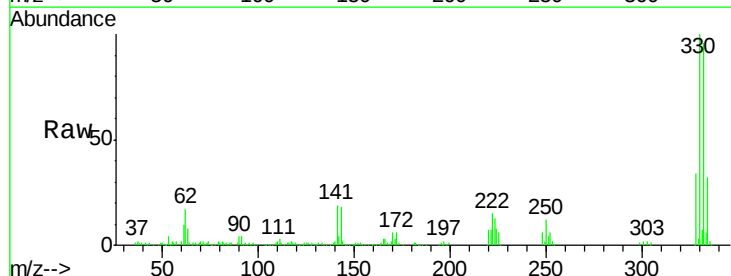
Instrument :
BNA_F
ClientSampleId :
B-2D(3.5-4)

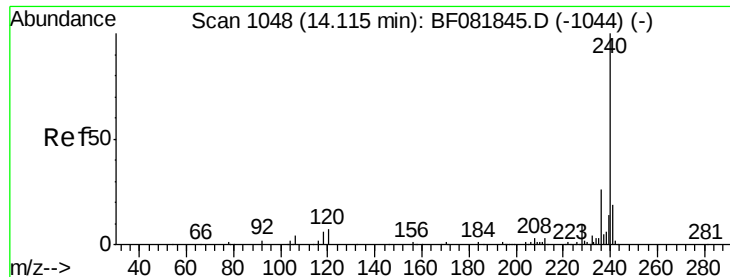
Tgt Ion:188 Resp: 370093
Ion Ratio Lower Upper
188 100
94 5.8 11.1 16.7#
80 6.1 11.0 16.4#



#66
4-Bromophenyl-phenylether
Concen: 5.34 ng
RT: 10.73 min Scan# 752
Delta R.T. -0.27 min
Lab File: BF082004.D
Acq: 3 Oct 2015 5:03

Tgt Ion:248 Resp: 19933
Ion Ratio Lower Upper
248 100
250 201.4 78.5 117.7#
141 324.2 59.0 88.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.07 min Scan# 1044

Delta R.T. -0.05 min

Lab File: BF082004.D

Acq: 3 Oct 2015 5:03

Instrument :

BNA_F

ClientSampleId :

B-2D(3.5-4)

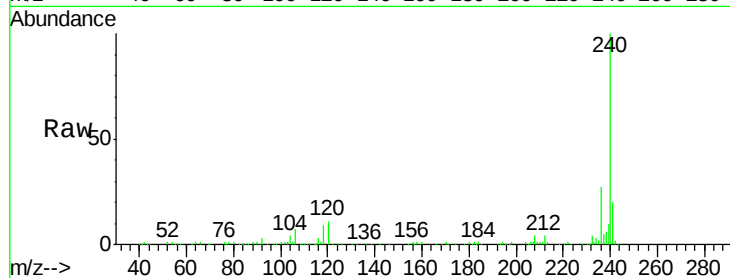
Tgt Ion:240 Resp: 376599

Ion Ratio Lower Upper

240 100

120 10.6 16.2 24.2#

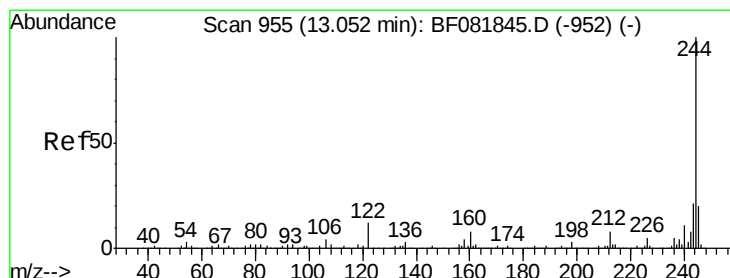
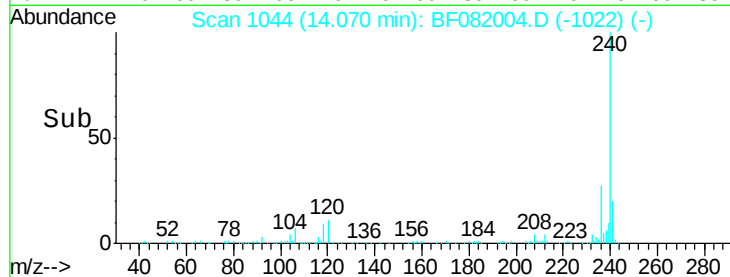
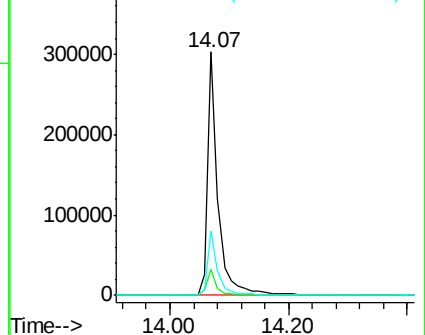
236 26.6 18.4 27.6



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: 116.73 ng

RT: 13.02 min Scan# 952

Delta R.T. -0.03 min

Lab File: BF082004.D

Acq: 3 Oct 2015 5:03

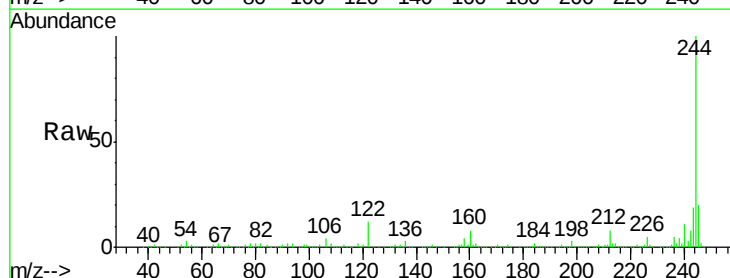
Tgt Ion:244 Resp: 1224281

Ion Ratio Lower Upper

244 100

212 7.8 4.3 6.5#

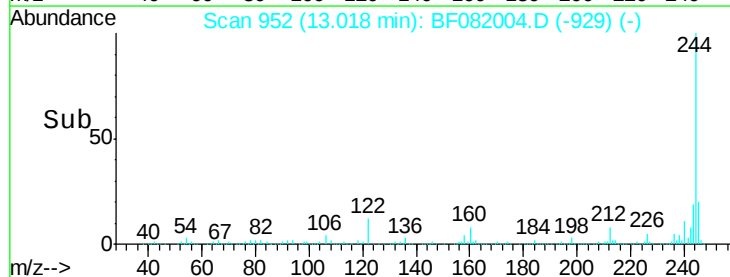
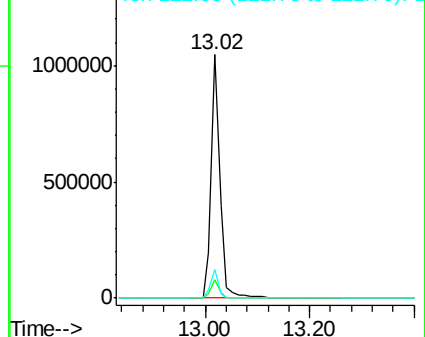
122 11.6 17.4 26.2#

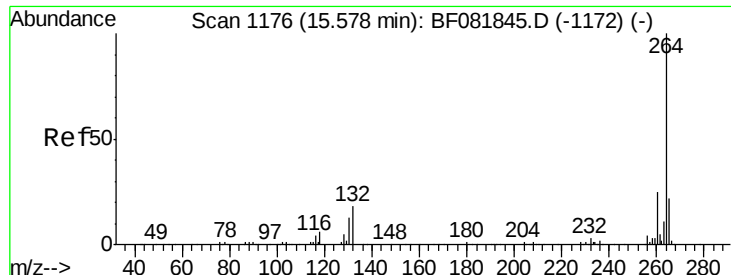


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

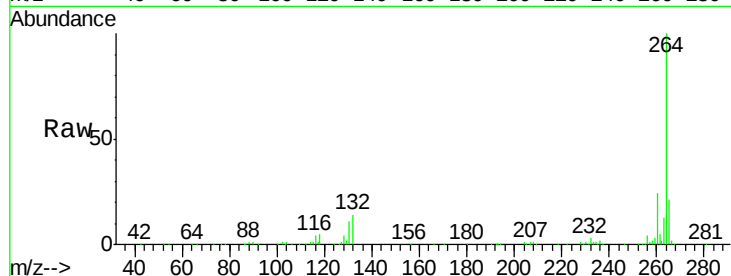




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 1172
Delta R.T. -0.05 min
Lab File: BF082004.D
Acq: 3 Oct 2015 5:03

Instrument :
BNA_F
ClientSampleId :
B-2D(3.5-4)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	16.7	25.1
265	21.0	17.2	25.8



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

