

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100515\
 Data File : BF082054.D
 Acq On : 5 Oct 2015 19:57
 Operator : UM/IZ
 Sample : G3867-01DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-6.0-7.0-092915DL

Quant Time: Oct 06 01:19:22 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 05 17:58:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.04	152	89961	20.00	ng	0.16
21) Naphthalene-d8	8.17	136	365903	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	176728	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	303694	20.00	ng	0.00
75) Chrysene-d12	14.06	240	277418	20.00	ng	0.00
86) Perylene-d12	15.50	264	239952	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	161881	32.67	ng	-0.01
7) Phenol-d6	6.50	99	239875	38.47	ng	-0.01
23) Nitrobenzene-d5	7.45	82	124763	22.73	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	47653	26.62	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	236058	18.77	ng	0.00
78) Terphenyl-d14	13.00	244	228901	20.93	ng	-0.01

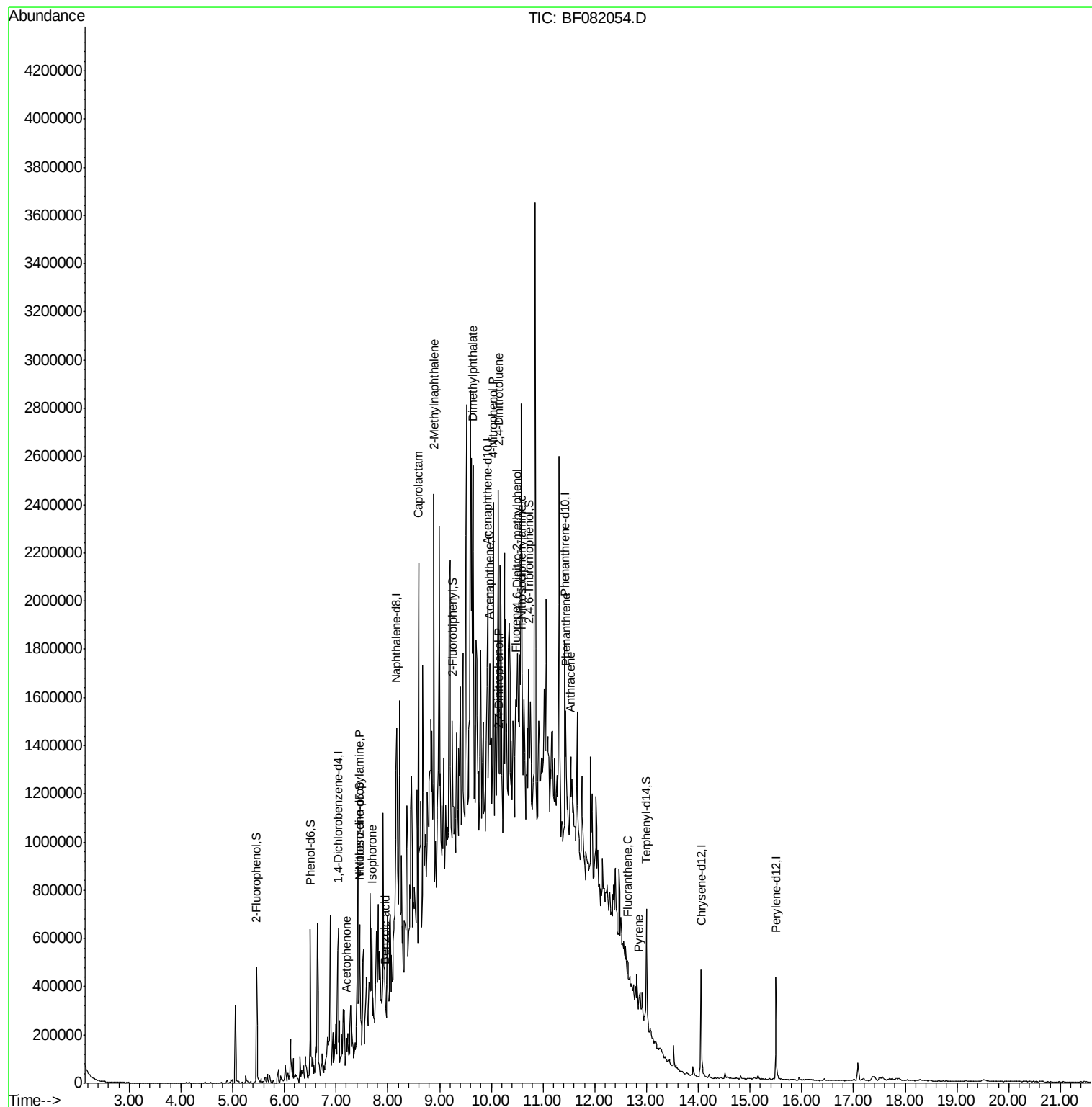
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.45	70	25439	6.71	ng	# 57
22) Acetophenone	7.20	105	24347	3.25	ng	# 72
25) Isophorone	7.69	82	30398	2.79	ng	# 1
32) Benzoic acid	7.95	122	4121	8.50	ng	# 1
35) Caprolactam	8.59	113	43720	32.36	ng	# 16
37) 2-Methylnaphthalene	8.89	142	541526	48.93	ng	# 91
49) Dimethylphthalate	9.65	163	61042	5.00	ng	# 91
51) Acenaphthene	9.97	154	39731	3.90	ng	# 56
53) 2,4-Dinitrophenol	10.15	184	2545	3.08	ng	# 1
55) 4-Nitrophenol	10.03	139	33858	15.29	ng	# 55
56) 2,4-Dinitrotoluene	10.14	165	24454	7.24	ng	# 63
57) Fluorene	10.48	166	83104	6.24	ng	# 83
64) 4,6-Dinitro-2-methylphenol	10.50	198	2735	3.57	ng	# 1
65) n-Nitrosodiphenylamine	10.59	169	233342	25.39	ng	# 59
70) Phenanthrene	11.44	178	237079	15.12	ng	# 91
71) Anthracene	11.53	178	114129	7.39	ng	# 1
73) Di-n-butylphthalate	11.98	149	5528	Below Cal		# 19
74) Fluoranthene	12.64	202	33372	2.05	ng	# 82
77) Pyrene	12.86	202	42608	2.57	ng	# 92

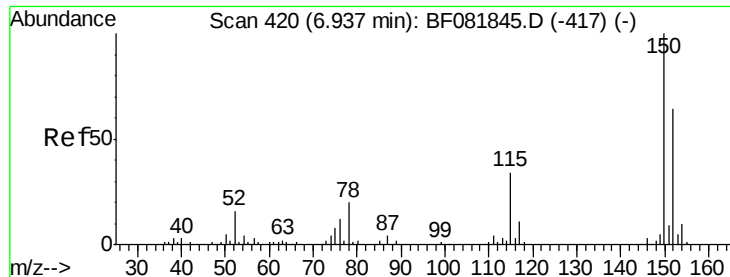
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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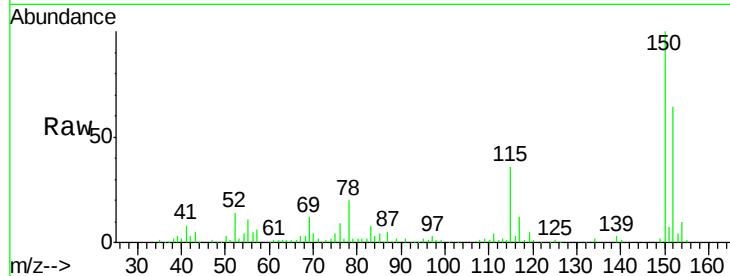




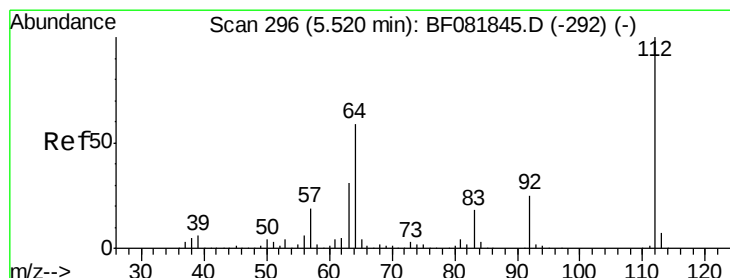
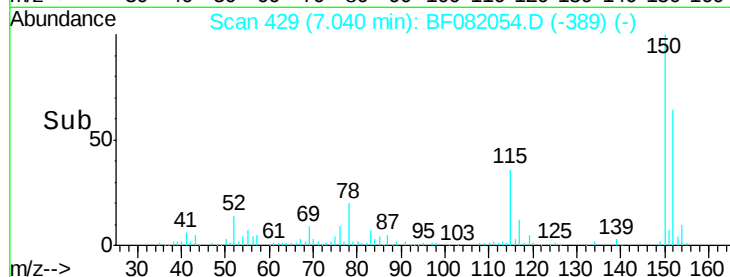
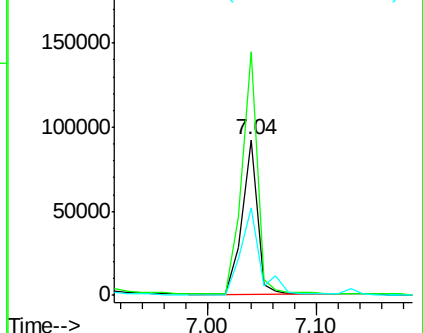
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.04 min Scan# 429
 Delta R.T. 0.16 min
 Lab File: BF082054.D
 Acq: 5 Oct 2015 19:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-6.0-7.0-092915DL

Tgt Ion:152 Resp: 89961
 Ion Ratio Lower Upper
 152 100
 150 156.8 124.7 187.1
 115 56.0 39.0 58.4

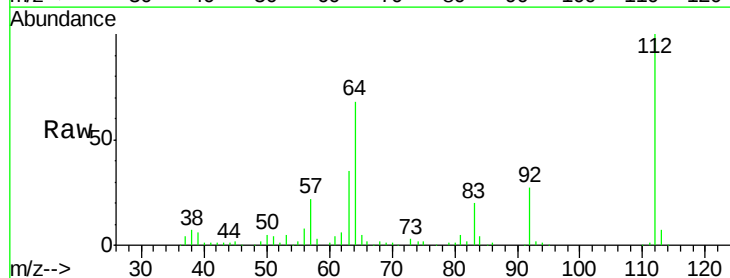


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

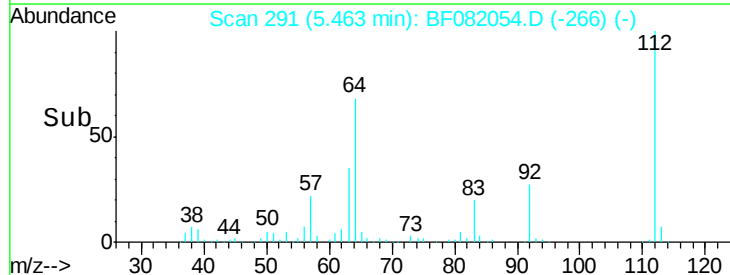
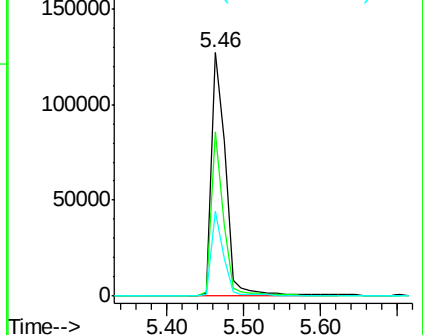


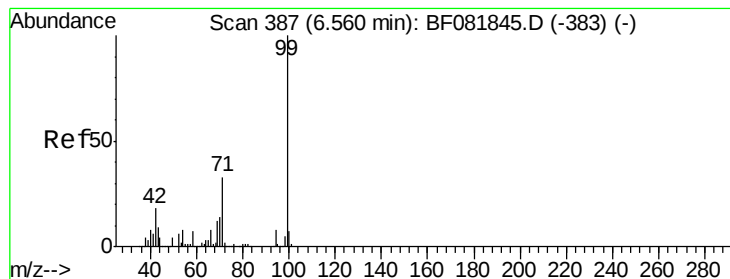
#5
 2-Fluorophenol
 Concen: 32.67 ng
 RT: 5.46 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: BF082054.D
 Acq: 5 Oct 2015 19:57

Tgt Ion:112 Resp: 161881
 Ion Ratio Lower Upper
 112 100
 64 67.7 39.7 59.5#
 63 35.1 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: 38.47 ng

RT: 6.50 min Scan# 382

Delta R.T. -0.01 min

Lab File: BF082054.D

Acq: 5 Oct 2015 19:57

Instrument :

BNA_F

ClientSampleId :

SB-07-6.0-7.0-092915DL

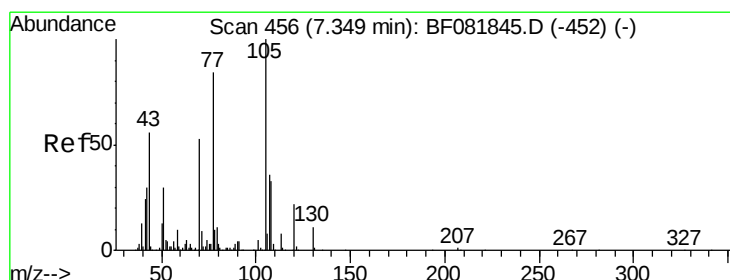
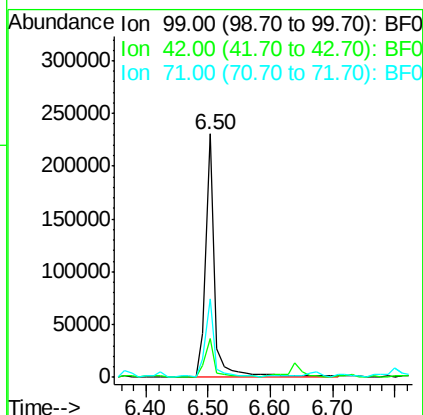
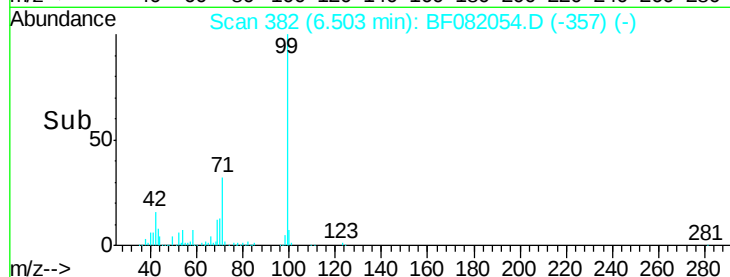
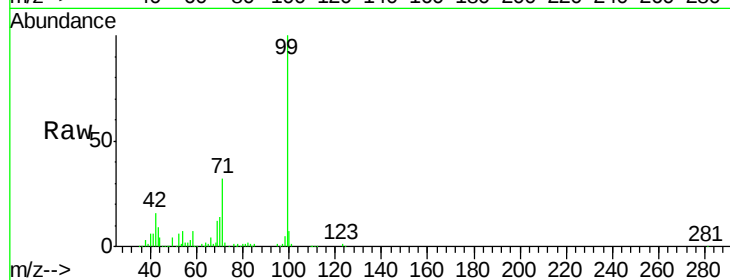
Tgt Ion: 99 Resp: 239875

Ion Ratio Lower Upper

99 100

42 16.1 13.7 20.5

71 32.1 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 6.71 ng

RT: 7.45 min Scan# 465

Delta R.T. 0.15 min

Lab File: BF082054.D

Acq: 5 Oct 2015 19:57

Tgt Ion: 70 Resp: 25439

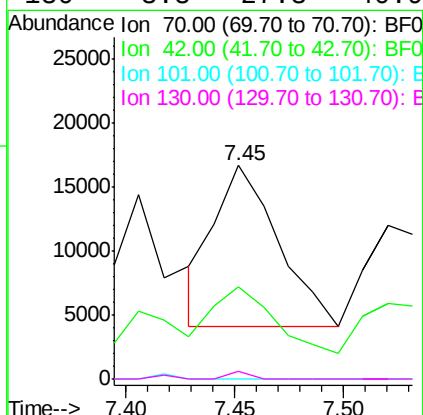
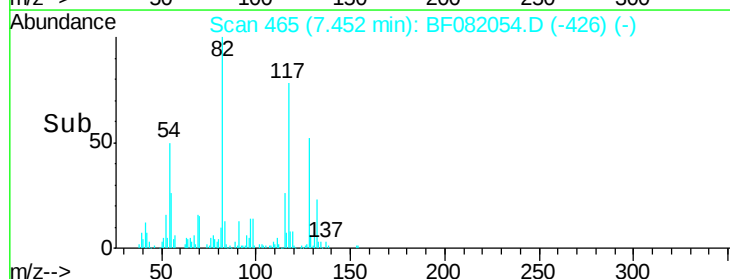
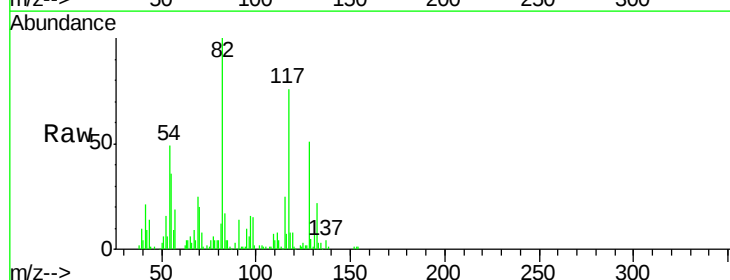
Ion Ratio Lower Upper

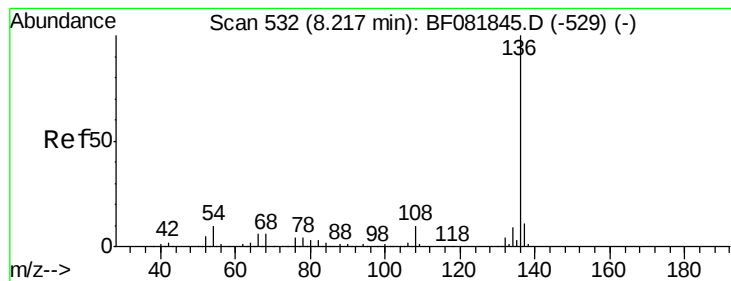
70 100

42 43.3 63.8 95.6#

101 0.0 9.2 13.8#

130 3.8 27.3 40.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 528

Delta R.T. -0.00 min

Lab File: BF082054.D

Acq: 5 Oct 2015 19:57

Instrument :

BNA_F

ClientSampleId :

SB-07-6.0-7.0-092915DL

Tgt Ion:136 Resp: 365903

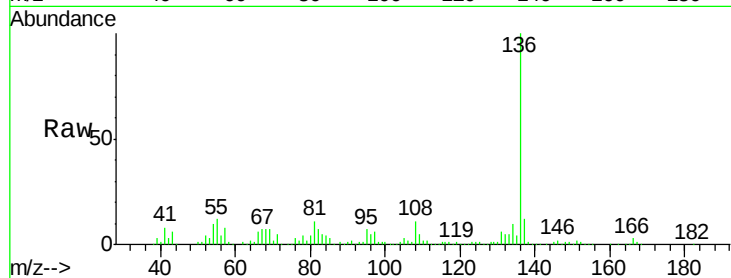
Ion Ratio Lower Upper

136 100

137 11.7 9.0 13.6

54 9.7 8.2 12.2

68 7.2 5.8 8.6

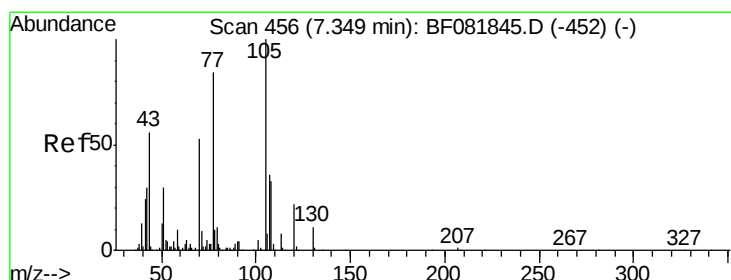
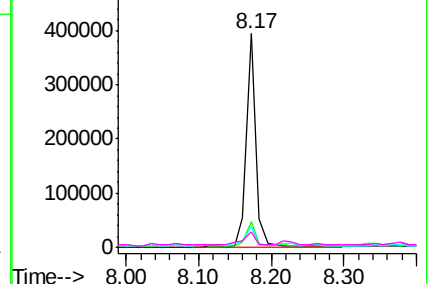
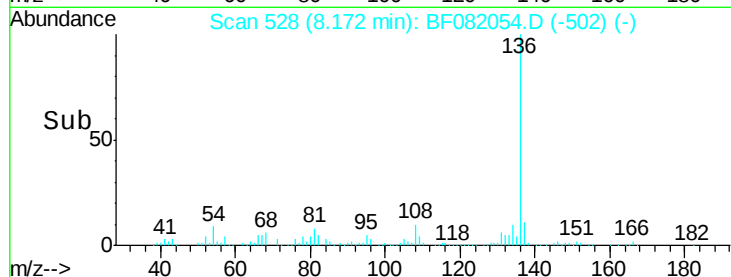


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 3.25 ng

RT: 7.20 min Scan# 443

Delta R.T. -0.10 min

Lab File: BF082054.D

Acq: 5 Oct 2015 19:57

Tgt Ion:105 Resp: 24347

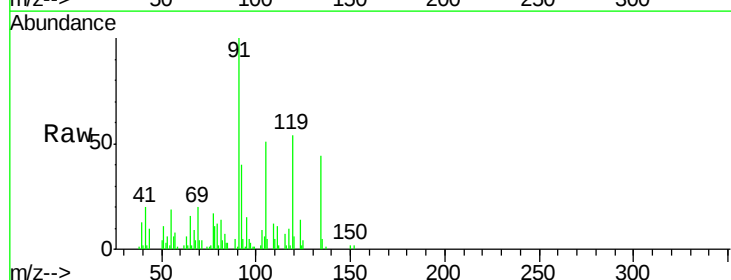
Ion Ratio Lower Upper

105 100

71 7.7 4.7 7.1#

51 21.4 22.0 33.0#

120 11.4 30.1 45.1#

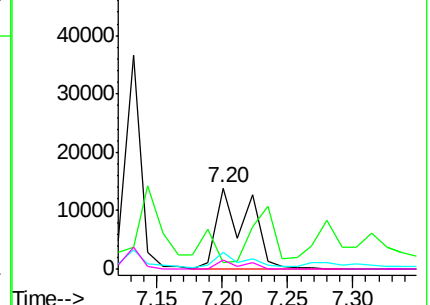
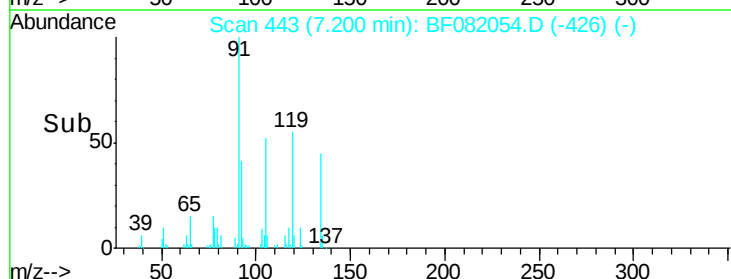


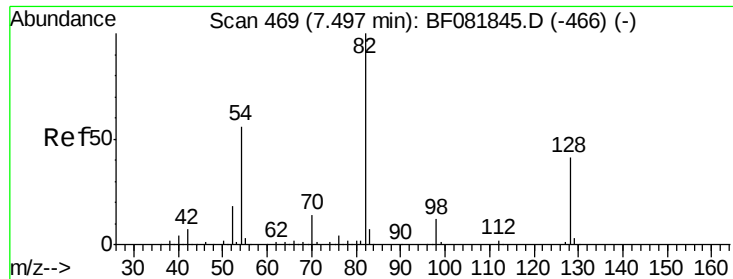
Abundance Ion 105.00 (104.70 to 105.70): E

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

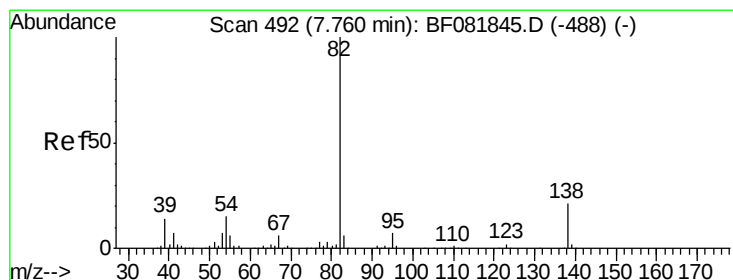
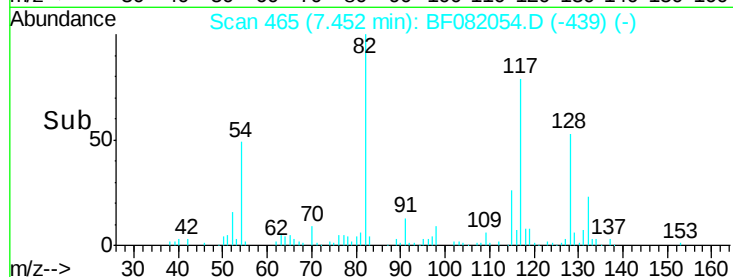
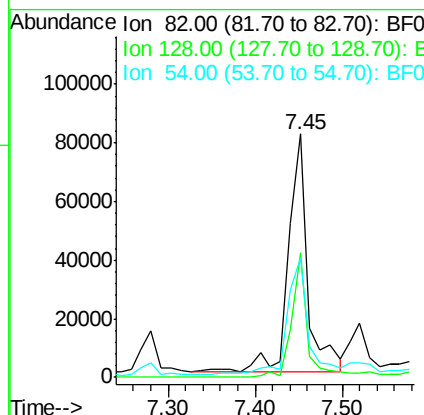
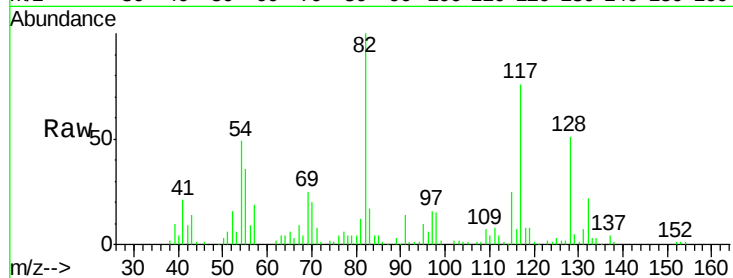




#23
 Nitrobenzene-d5
 Concen: 22.73 ng
 RT: 7.45 min Scan# 465
 Delta R.T. -0.00 min
 Lab File: BF082054.D
 Acq: 5 Oct 2015 19:57

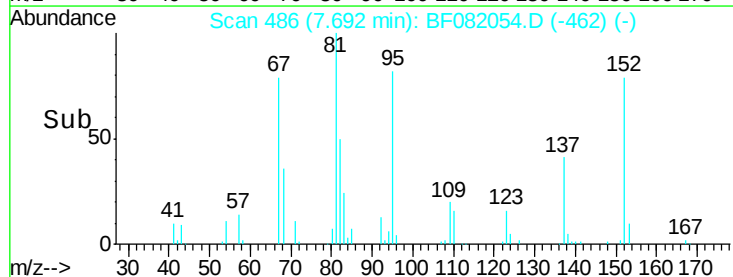
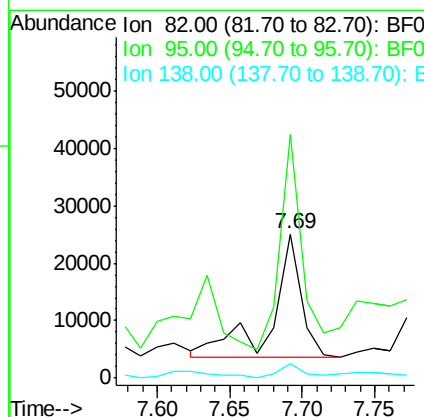
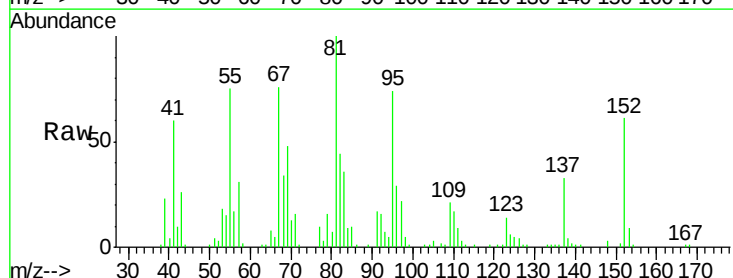
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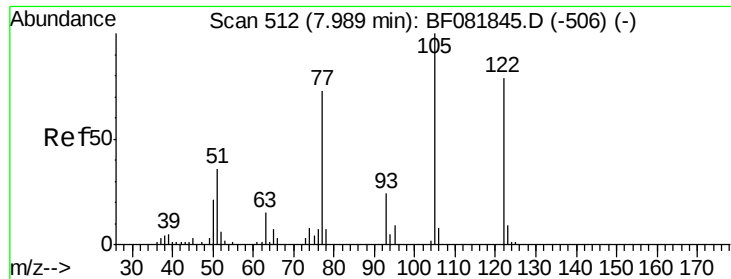
Tgt Ion: 82 Resp: 124763
 Ion Ratio Lower Upper
 82 100
 128 51.1 51.0 76.6
 54 49.1 47.5 71.3



#25
 Isophorone
 Concen: 2.79 ng
 RT: 7.69 min Scan# 486
 Delta R.T. -0.02 min
 Lab File: BF082054.D
 Acq: 5 Oct 2015 19:57

Tgt Ion: 82 Resp: 30398
 Ion Ratio Lower Upper
 82 100
 95 168.6 4.0 6.0#
 138 10.2 18.3 27.5#

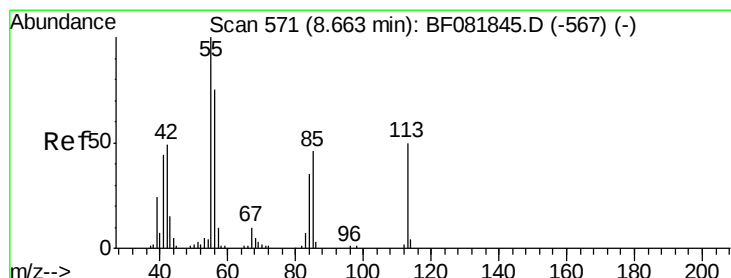
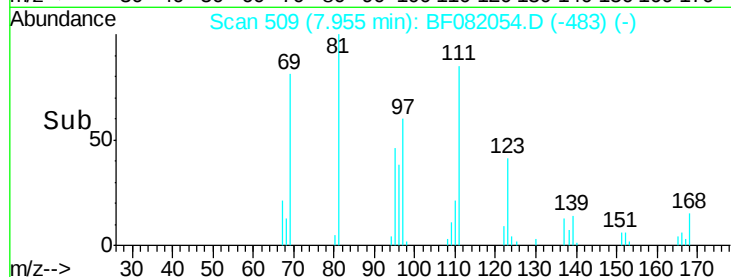
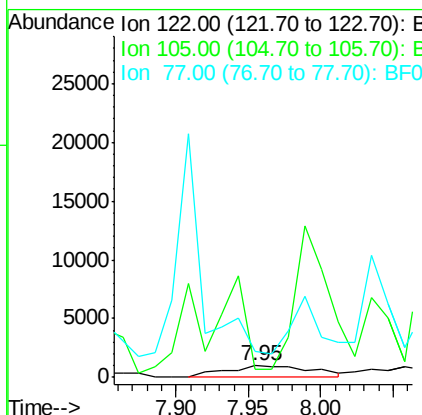
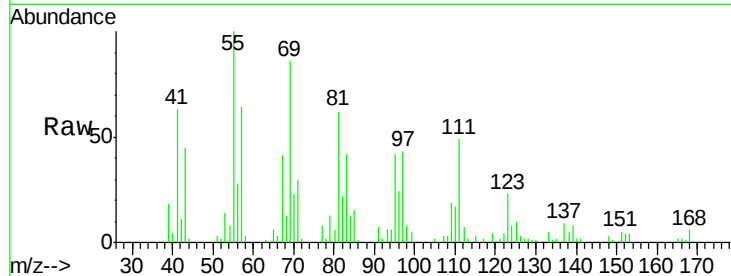




#32
Benzoic acid
Concen: 8.50 ng
RT: 7.95 min Scan# 509
Delta R.T. -0.00 min
Lab File: BF082054.D
Acq: 5 Oct 2015 19:57

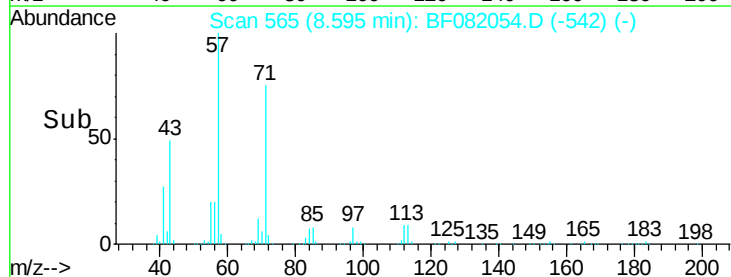
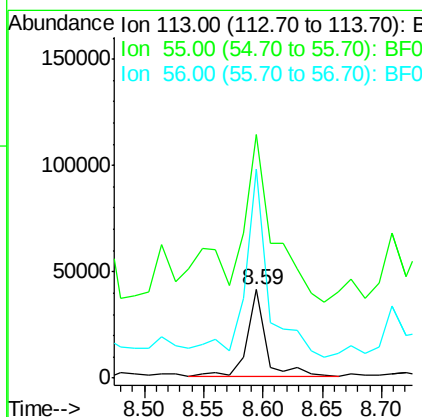
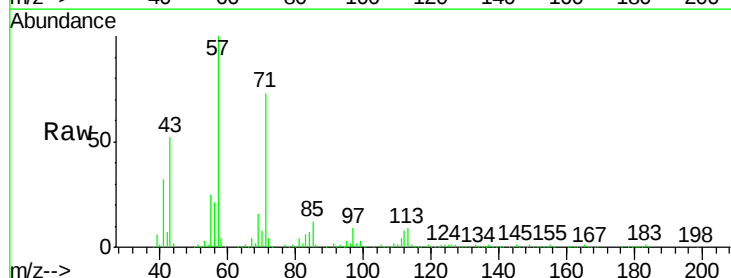
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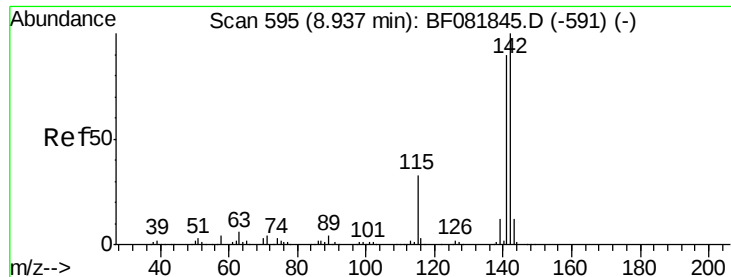
Tgt Ion:122 Resp: 4121
Ion Ratio Lower Upper
122 100
105 64.2 76.1 116.1#
77 216.9 40.5 80.5#



#35
Caprolactam
Concen: 32.36 ng
RT: 8.59 min Scan# 565
Delta R.T. -0.03 min
Lab File: BF082054.D
Acq: 5 Oct 2015 19:57

Tgt Ion:113 Resp: 43720
Ion Ratio Lower Upper
113 100
55 275.3 152.4 192.4#
56 235.8 104.6 144.6#

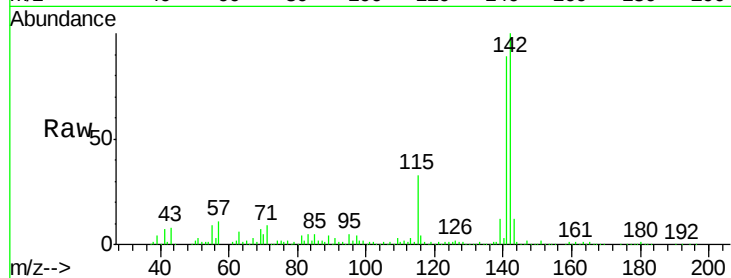




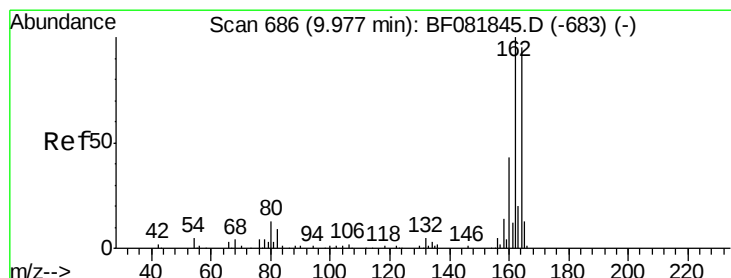
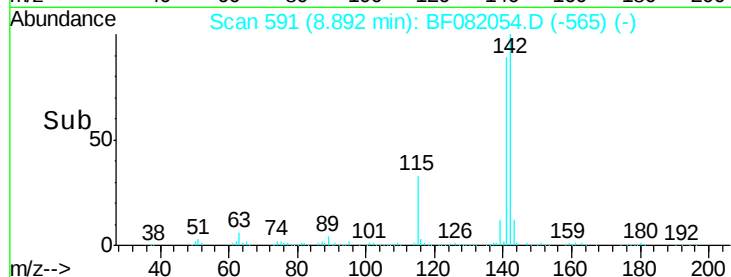
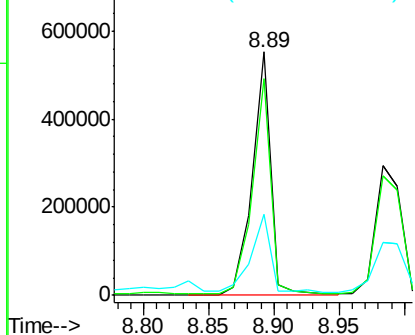
#37
2-Methylnaphthalene
Concen: 48.93 ng
RT: 8.89 min Scan# 591
Delta R.T. -0.00 min
Lab File: BF082054.D
Acq: 5 Oct 2015 19:57

Instrument :
BNA_F
ClientSampleId :
SB-07-6.0-7.0-092915DL

Tgt Ion:142 Resp: 541526
Ion Ratio Lower Upper
142 100
141 89.2 67.5 101.3
115 33.4 18.2 27.2#

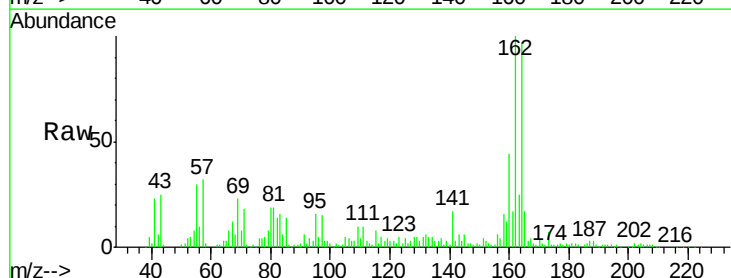


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

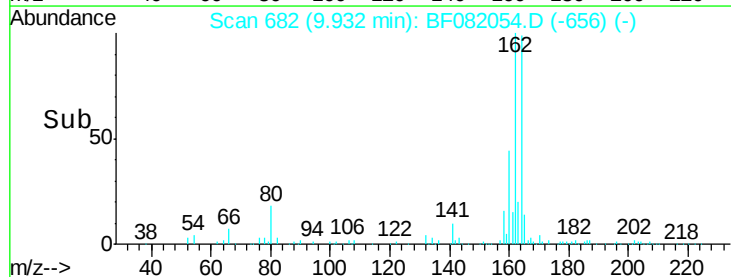
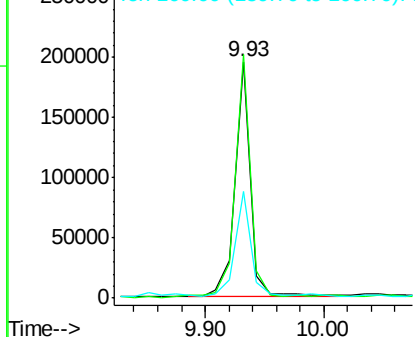


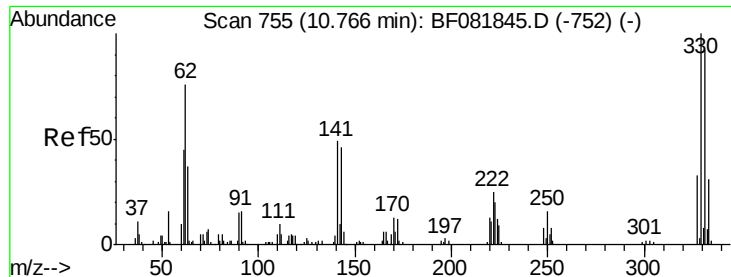
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 682
Delta R.T. -0.00 min
Lab File: BF082054.D
Acq: 5 Oct 2015 19:57

Tgt Ion:164 Resp: 176728
Ion Ratio Lower Upper
164 100
162 102.9 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

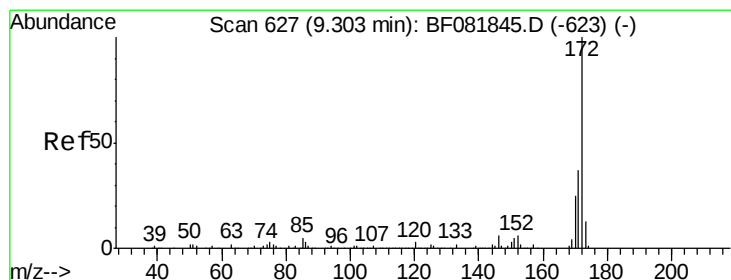
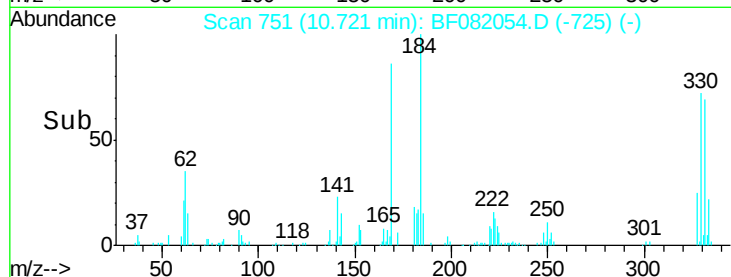
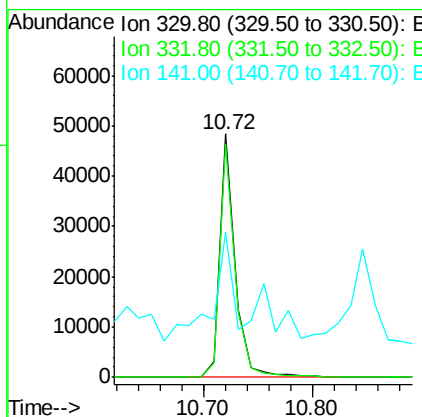
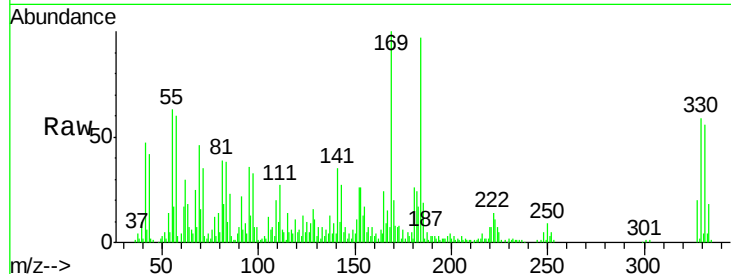




#41
 2,4,6-Tribromophenol
 Concen: 26.62 ng
 RT: 10.72 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: BF082054.D
 Acq: 5 Oct 2015 19:57

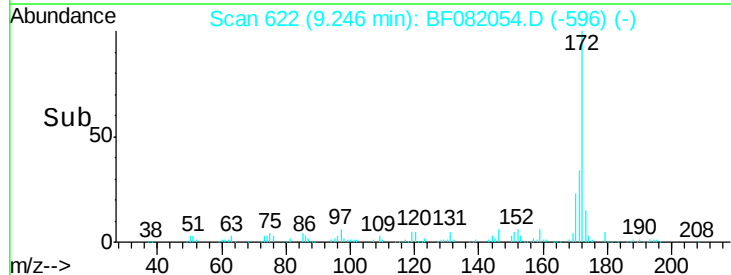
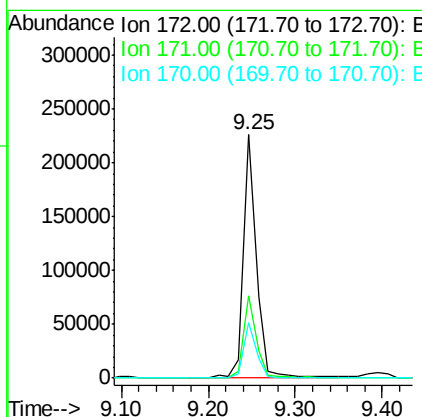
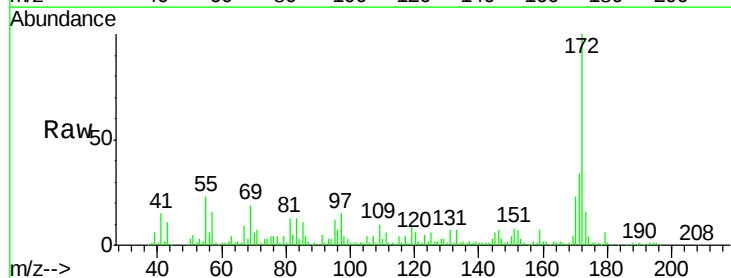
Instrument :
 BNA_F
 ClientSampleId :
 SB-07-6.0-7.0-092915DL

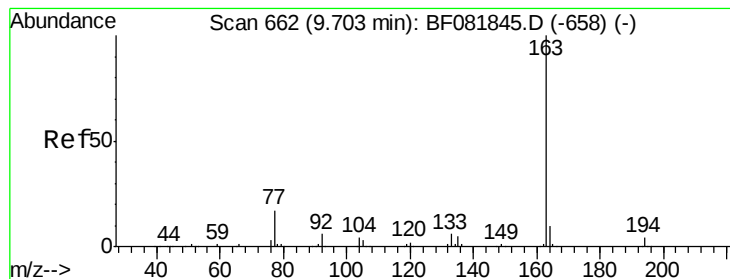
Tgt Ion: 330 Resp: 47653
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.6 114.8
 141 63.7 29.7 44.5#



#44
 2-Fluorobiphenyl
 Concen: 18.77 ng
 RT: 9.25 min Scan# 622
 Delta R.T. -0.00 min
 Lab File: BF082054.D
 Acq: 5 Oct 2015 19:57

Tgt Ion: 172 Resp: 236058
 Ion Ratio Lower Upper
 172 100
 171 34.0 26.1 39.1
 170 23.0 17.4 26.2





#49

Dimethylphthalate

Concen: 5.00 ng

RT: 9.65 min Scan# 657

Delta R.T. -0.01 min

Lab File: BF082054.D

Acq: 5 Oct 2015 19:57

Instrument :

BNA_F

ClientSampleId :

SB-07-6.0-7.0-092915DL

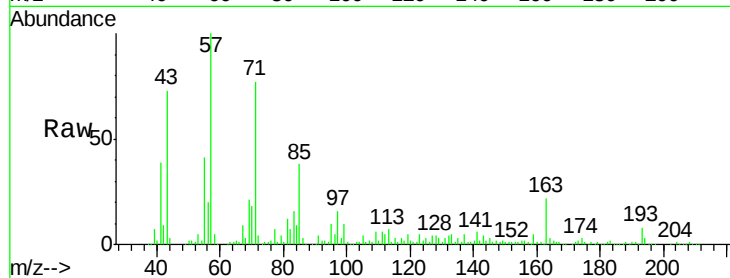
Tgt Ion:163 Resp: 61042

Ion Ratio Lower Upper

163 100

194 12.4 4.4 6.6#

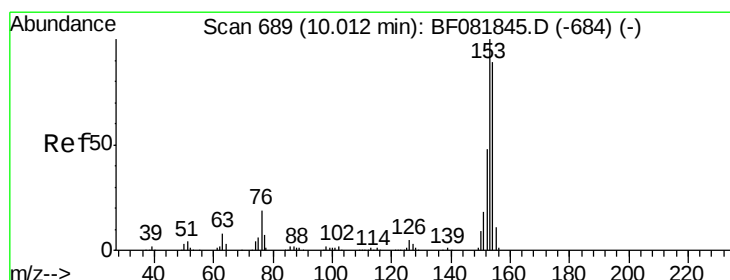
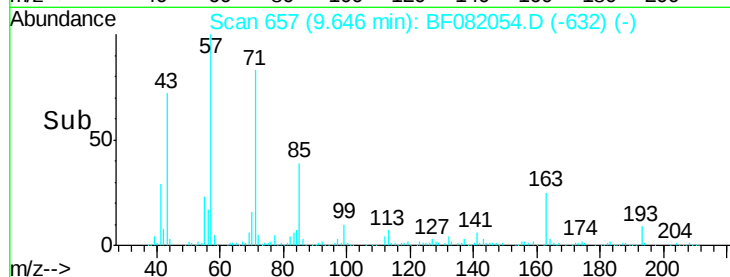
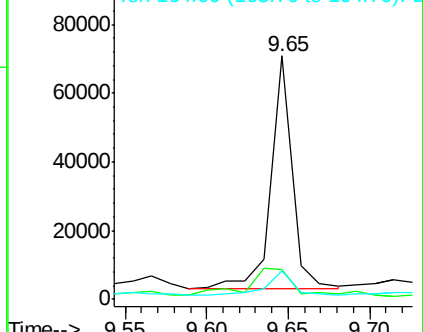
164 11.7 8.3 12.5



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



#51

Acenaphthene

Concen: 3.90 ng

RT: 9.97 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF082054.D

Acq: 5 Oct 2015 19:57

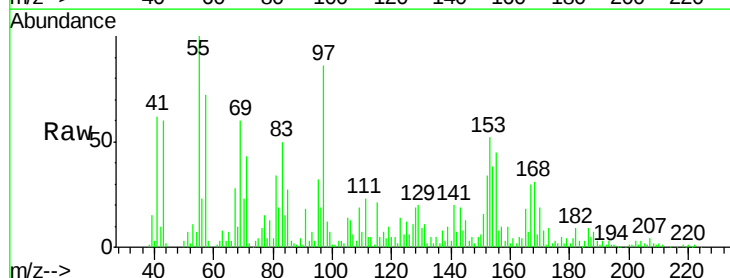
Tgt Ion:154 Resp: 39731

Ion Ratio Lower Upper

154 100

153 137.0 82.1 123.1#

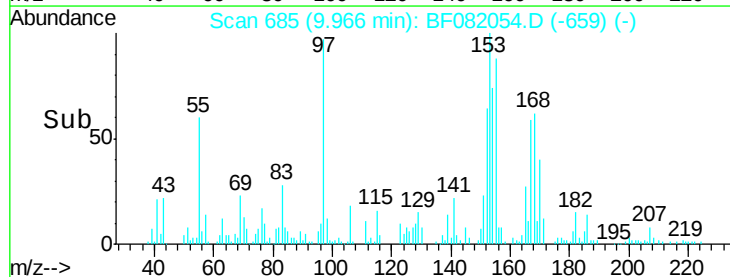
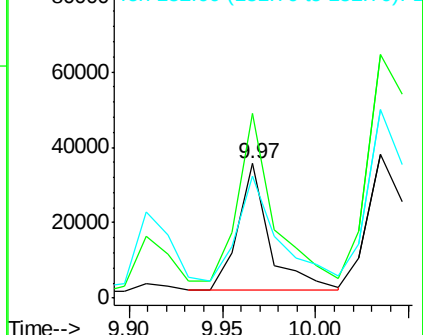
152 90.7 37.9 56.9#

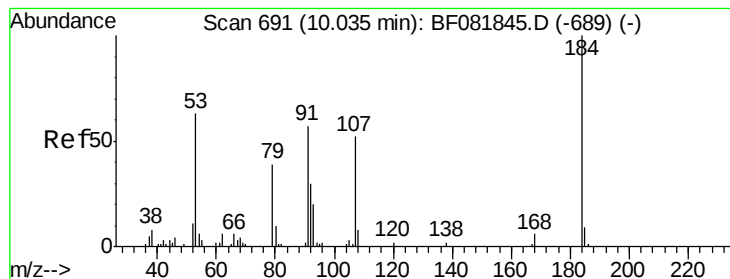


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

2,4-Dinitrophenol

Concen: 3.08 ng

RT: 10.15 min Scan# 701

Delta R.T. 0.15 min

Lab File: BF082054.D

Acq: 5 Oct 2015 19:57

Instrument :

BNA_F

ClientSampleId :

SB-07-6.0-7.0-092915DL

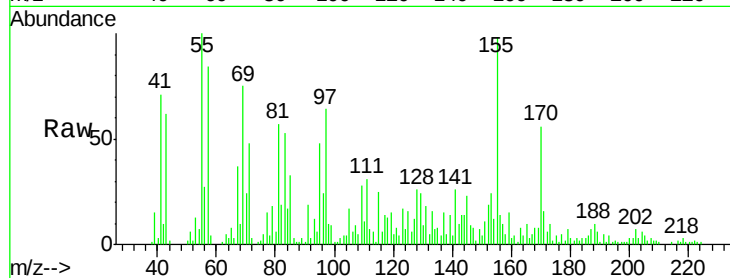
Tgt Ion:184 Resp: 2545

Ion Ratio Lower Upper

184 100

63 168.3 35.4 53.2#

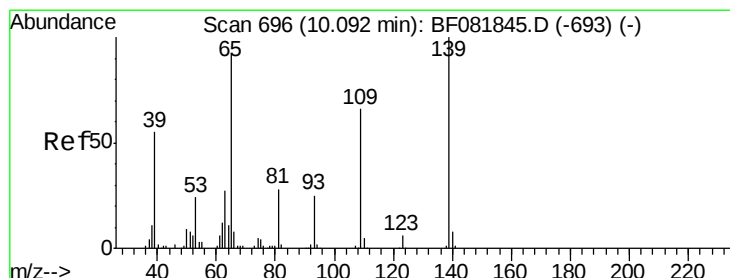
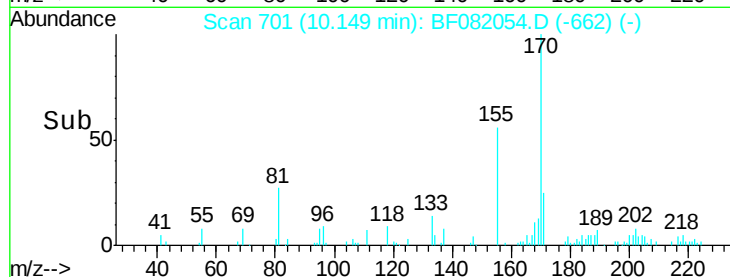
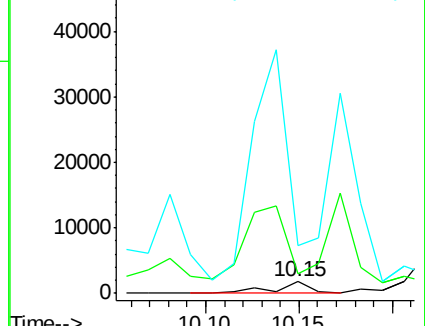
154 410.3 32.2 48.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#55

4-Nitrophenol

Concen: 15.29 ng

RT: 10.03 min Scan# 691

Delta R.T. -0.01 min

Lab File: BF082054.D

Acq: 5 Oct 2015 19:57

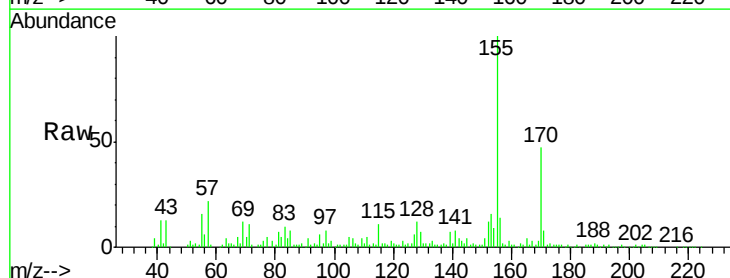
Tgt Ion:139 Resp: 33858

Ion Ratio Lower Upper

139 100

109 55.7 12.7 52.7#

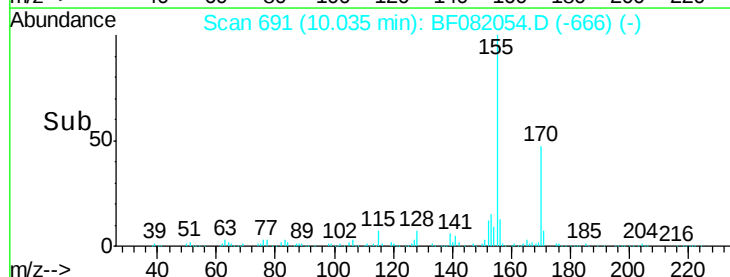
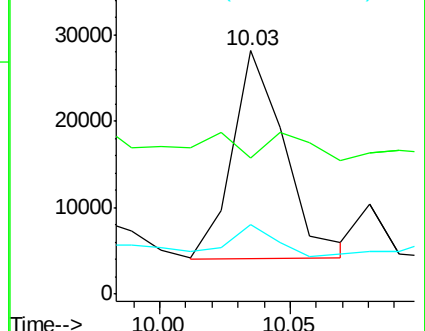
65 28.6 45.9 85.9#

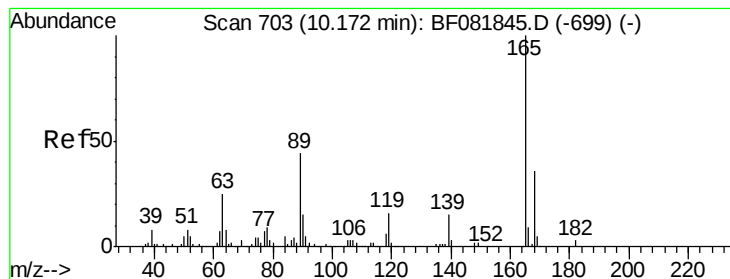


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 7.24 ng

RT: 10.14 min Scan# 700

Delta R.T. 0.01 min

Lab File: BF082054.D

Acq: 5 Oct 2015 19:57

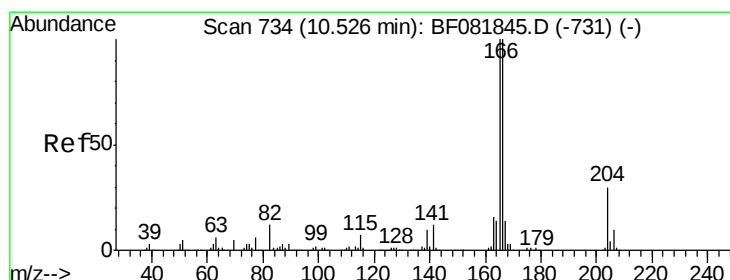
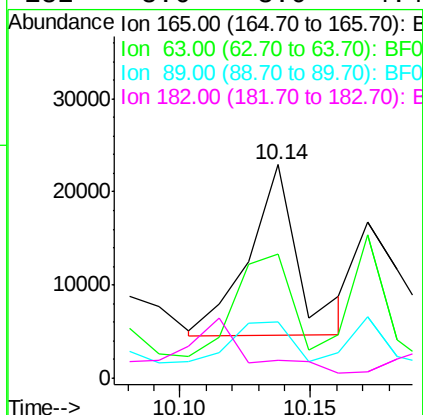
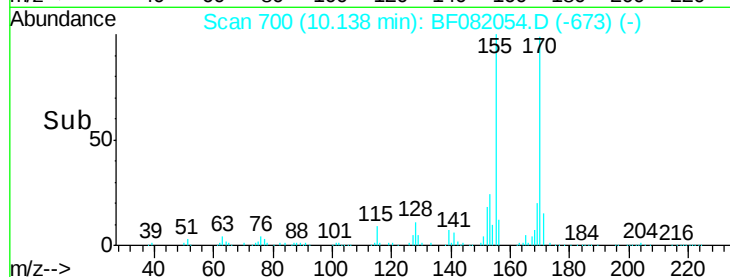
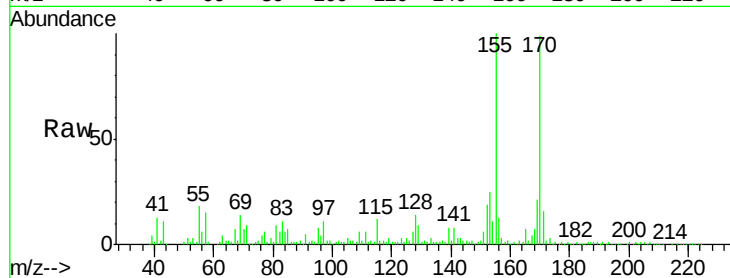
Instrument :

BNA_F

ClientSampleId :

SB-07-6.0-7.0-092915DL

Tgt Ion:	165	Resp:	24454
Ion Ratio	Lower	Upper	
165	100		
63	58.0	29.8	44.6#
89	26.2	44.5	66.7#
182	8.6	3.0	4.4#



#57

Fluorene

Concen: 6.24 ng

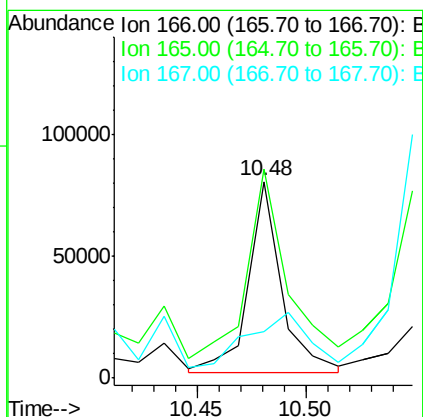
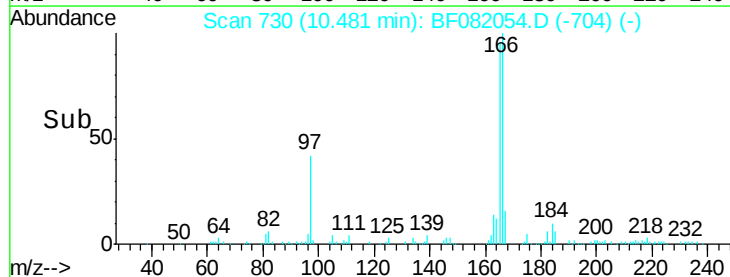
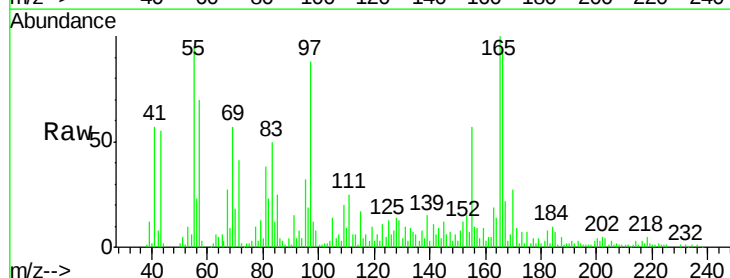
RT: 10.48 min Scan# 730

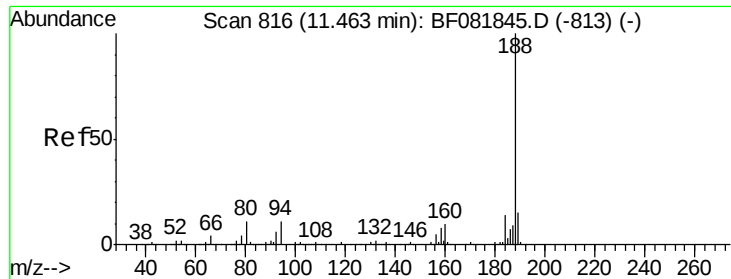
Delta R.T. -0.00 min

Lab File: BF082054.D

Acq: 5 Oct 2015 19:57

Tgt Ion:	166	Resp:	83104
Ion Ratio	Lower	Upper	
166	100		
165	106.2	72.6	109.0
167	23.5	10.6	16.0#

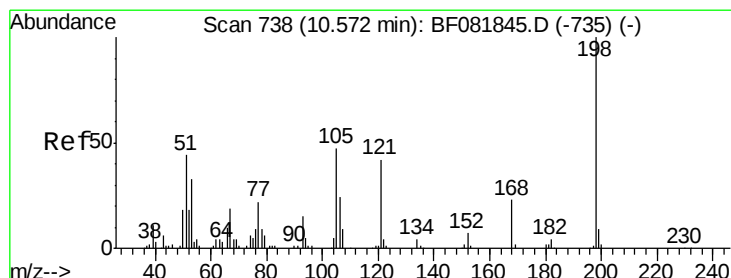
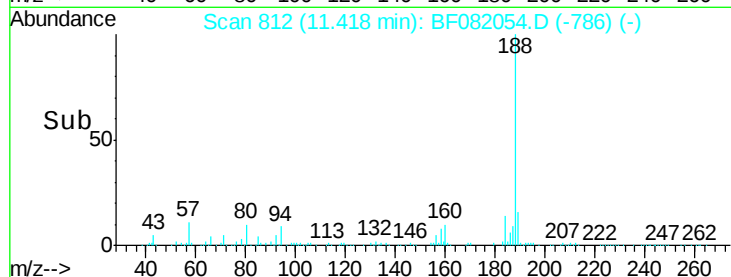
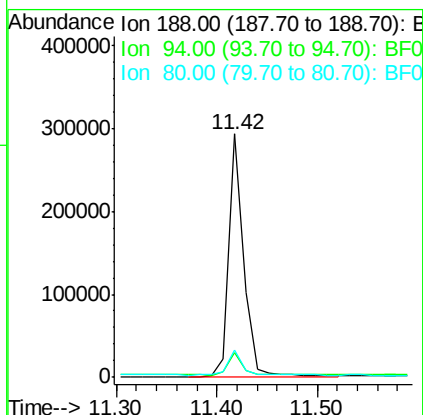
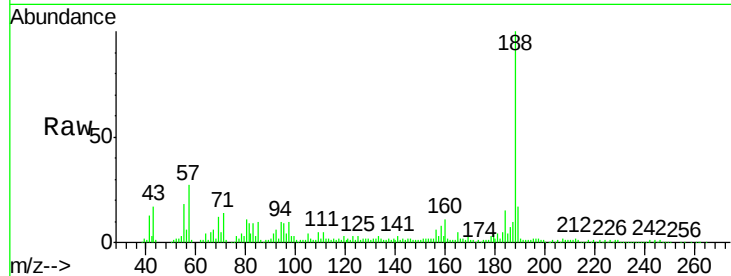




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF082054.D
Acq: 5 Oct 2015 19:57

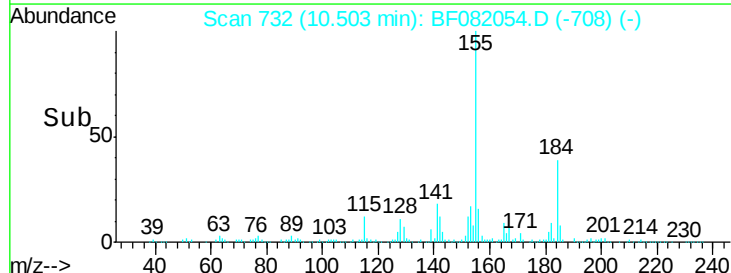
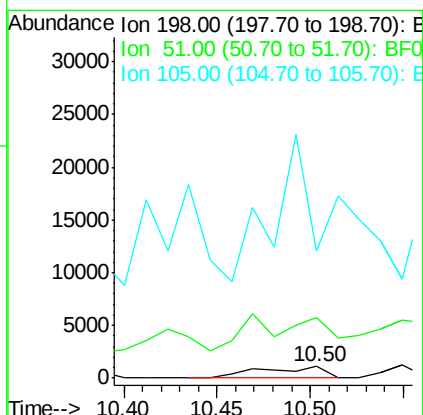
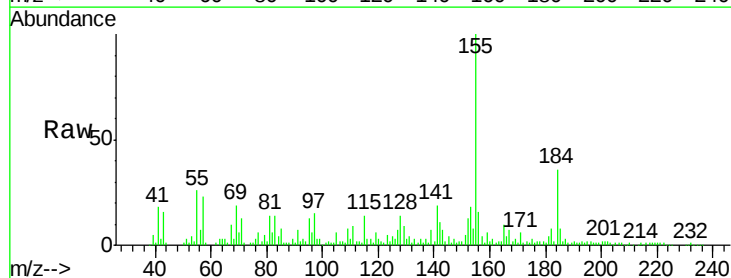
Instrument :
BNA_F
ClientSampleId :
SB-07-6.0-7.0-092915DL

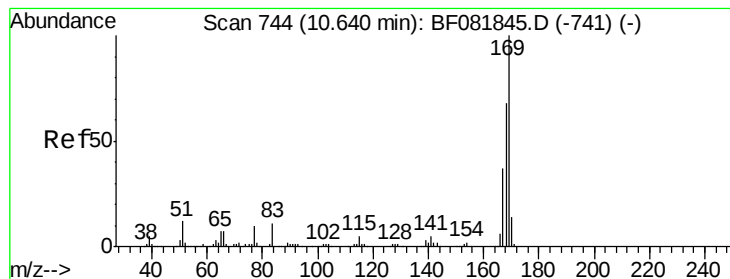
Tgt Ion:188 Resp: 303694
Ion Ratio Lower Upper
188 100
94 10.2 11.1 16.7#
80 11.0 11.0 16.4



#64
4,6-Dinitro-2-methylphenol
Concen: 3.57 ng
RT: 10.50 min Scan# 732
Delta R.T. -0.02 min
Lab File: BF082054.D
Acq: 5 Oct 2015 19:57

Tgt Ion:198 Resp: 2735
Ion Ratio Lower Upper
198 100
51 518.5 39.6 79.6#
105 1073.7 28.5 68.5#





#65

n-Nitrosodiphenylamine

Concen: 25.39 ng

RT: 10.59 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF082054.D

Acq: 5 Oct 2015 19:57

Instrument :

BNA_F

ClientSampleId :

SB-07-6.0-7.0-092915DL

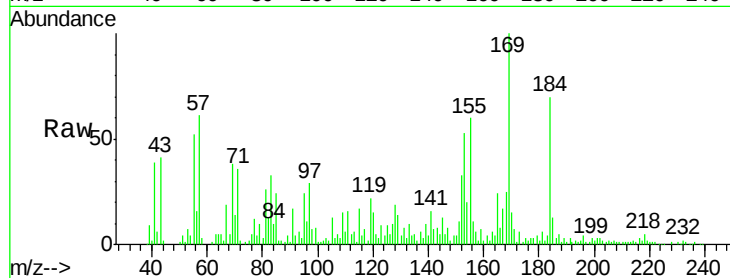
Tgt Ion:169 Resp: 233342

Ion Ratio Lower Upper

169 100

168 24.7 48.9 73.3#

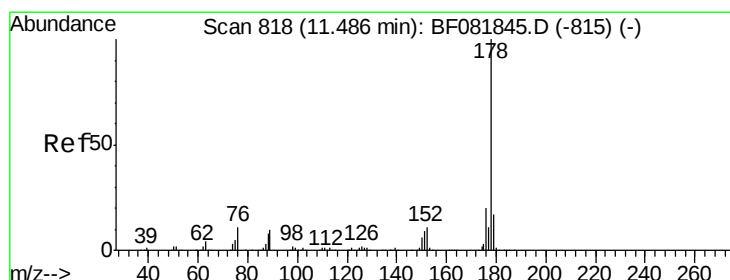
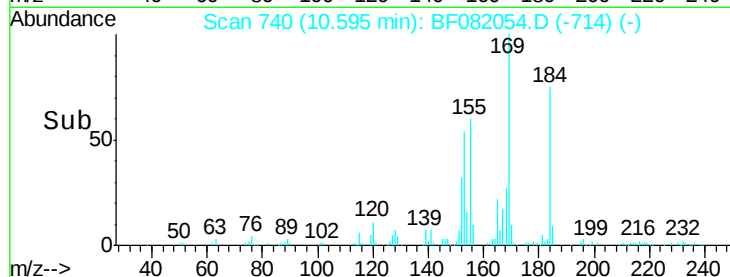
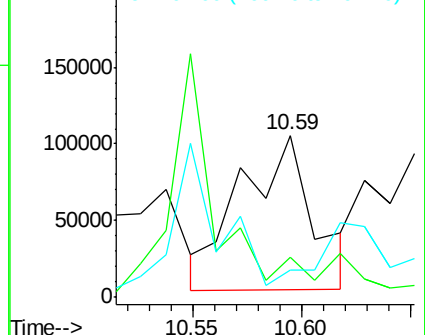
167 17.0 26.2 39.4#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 15.12 ng

RT: 11.44 min Scan# 814

Delta R.T. -0.00 min

Lab File: BF082054.D

Acq: 5 Oct 2015 19:57

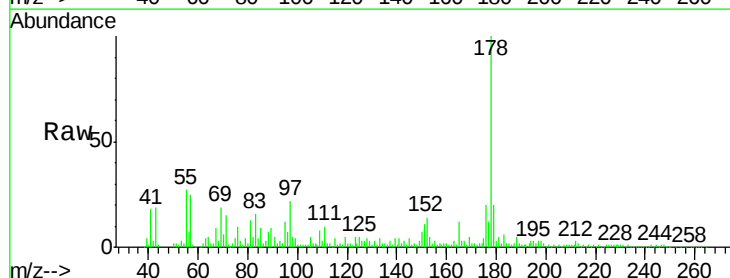
Tgt Ion:178 Resp: 237079

Ion Ratio Lower Upper

178 100

176 19.5 13.8 20.8

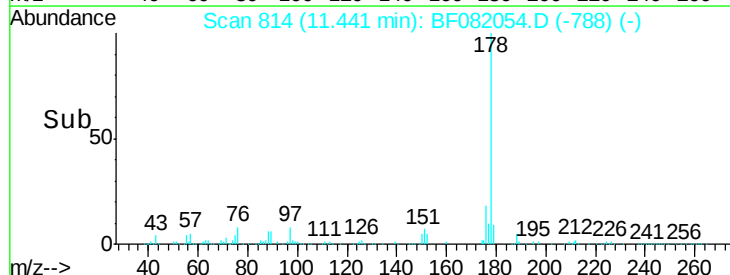
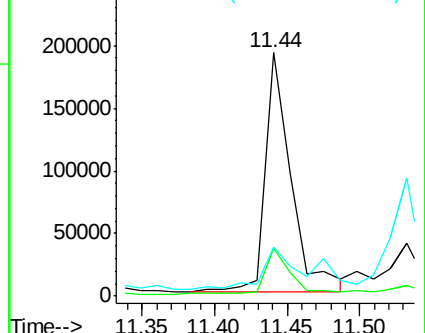
179 20.4 12.2 18.2#

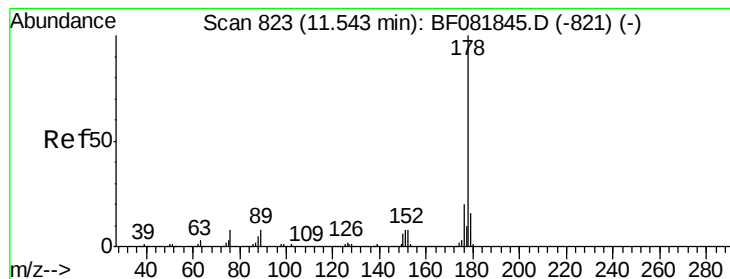


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 7.39 ng

RT: 11.53 min Scan# 822

Delta R.T. 0.03 min

Lab File: BF082054.D

Acq: 5 Oct 2015 19:57

Instrument :

BNA_F

ClientSampleId :

SB-07-6.0-7.0-092915DL

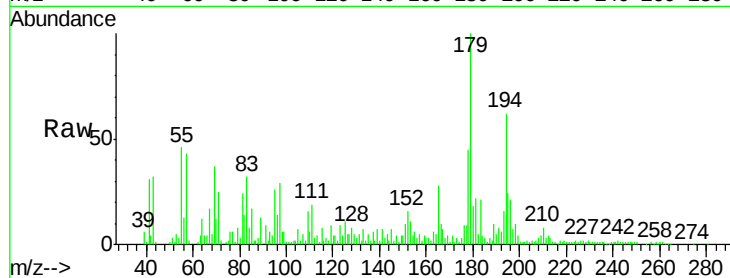
Tgt Ion:178 Resp: 114129

Ion Ratio Lower Upper

178 100

176 20.6 14.1 21.1

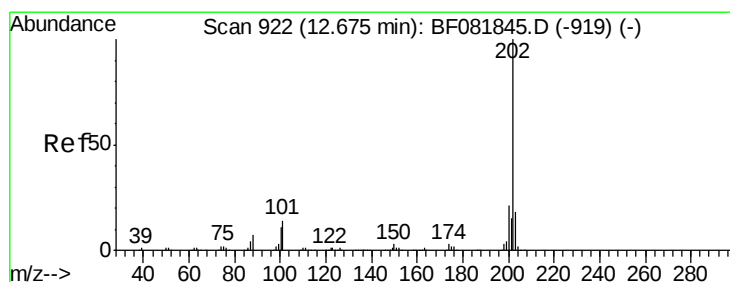
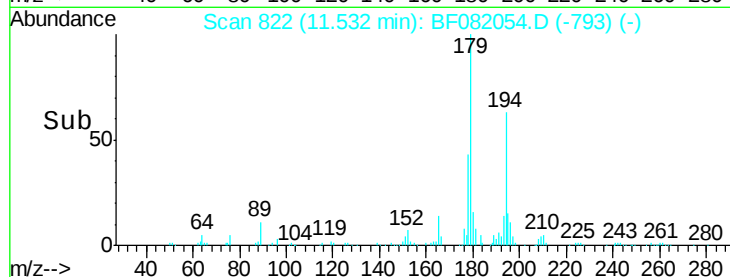
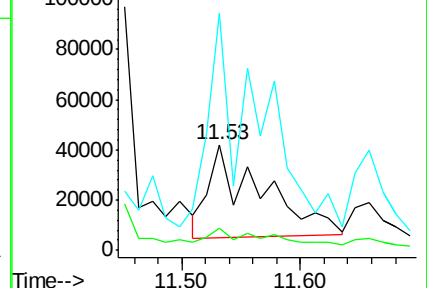
179 224.6 12.2 18.2#



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



#74

Fluoranthene

Concen: 2.05 ng

RT: 12.64 min Scan# 919

Delta R.T. 0.01 min

Lab File: BF082054.D

Acq: 5 Oct 2015 19:57

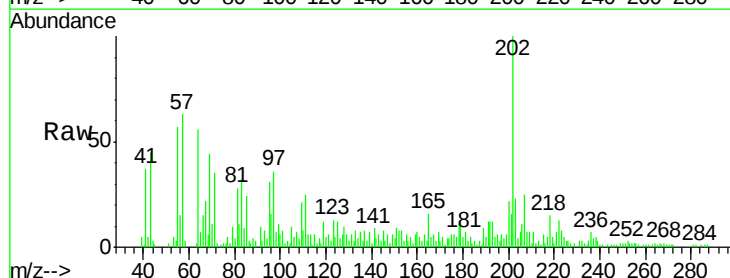
Tgt Ion:202 Resp: 33372

Ion Ratio Lower Upper

202 100

101 8.0 0.0 38.3

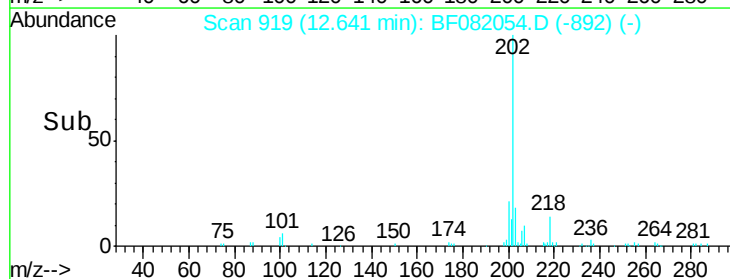
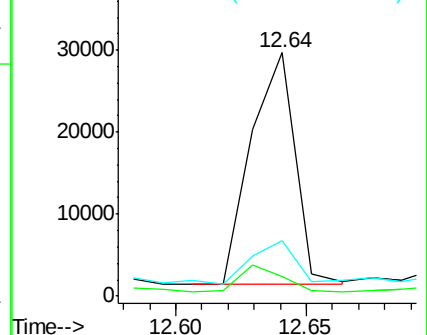
203 22.7 0.0 37.3

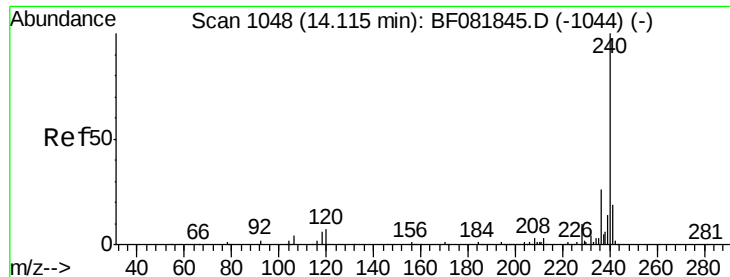


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BF082054.D

Acq: 5 Oct 2015 19:57

Instrument :

BNA_F

ClientSampleId :

SB-07-6.0-7.0-092915DL

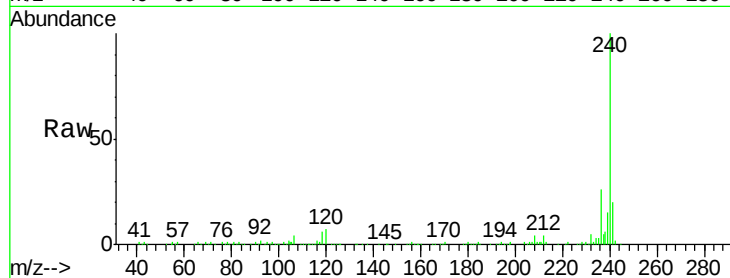
Tgt Ion:240 Resp: 277418

Ion Ratio Lower Upper

240 100

120 6.7 16.2 24.2#

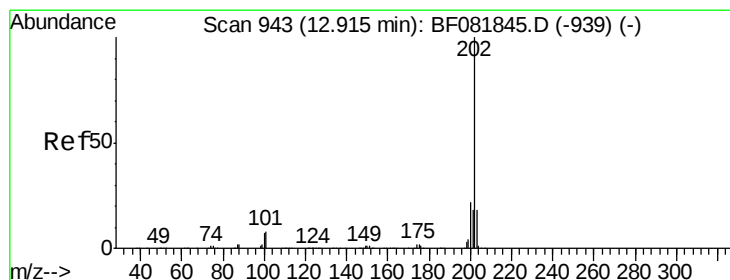
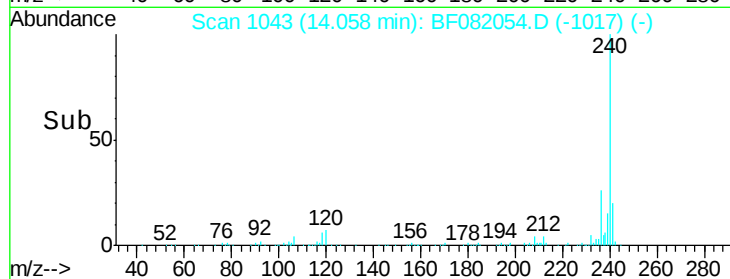
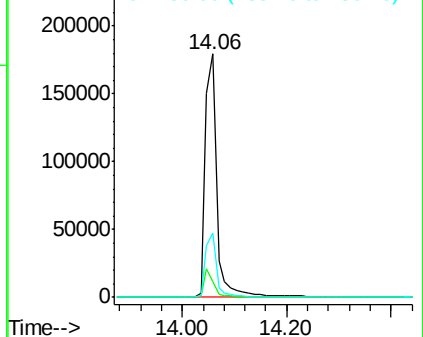
236 26.2 18.4 27.6



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



#77

Pyrene

Concen: 2.57 ng

RT: 12.86 min Scan# 938

Delta R.T. -0.00 min

Lab File: BF082054.D

Acq: 5 Oct 2015 19:57

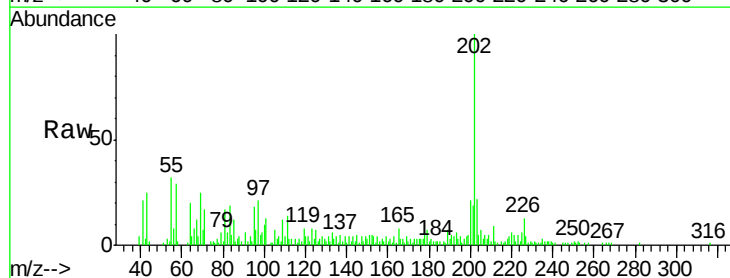
Tgt Ion:202 Resp: 42608

Ion Ratio Lower Upper

202 100

200 20.9 15.0 22.4

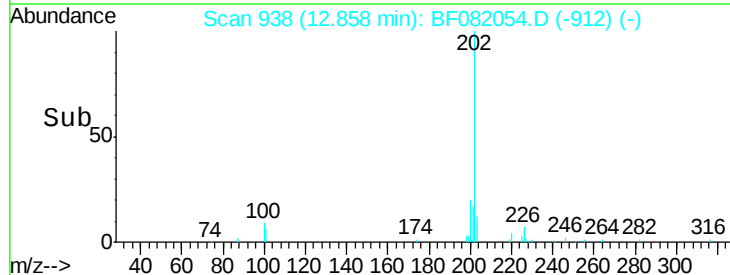
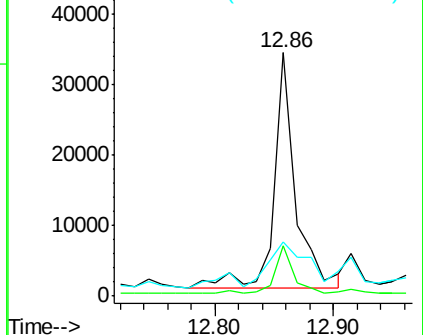
203 22.1 14.1 21.1#

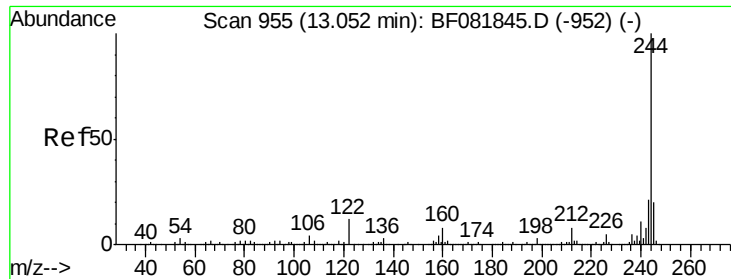


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

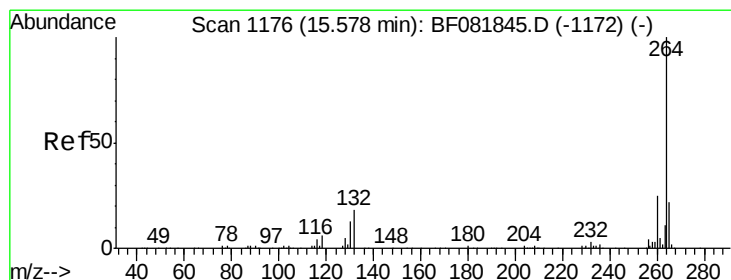
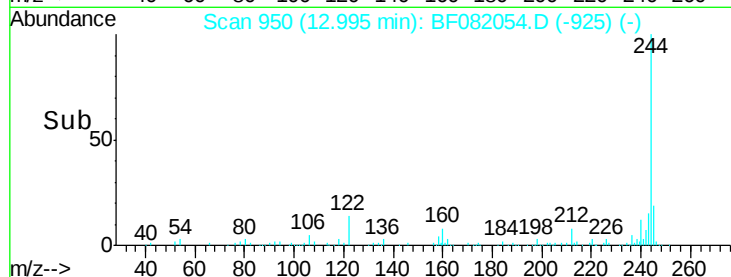
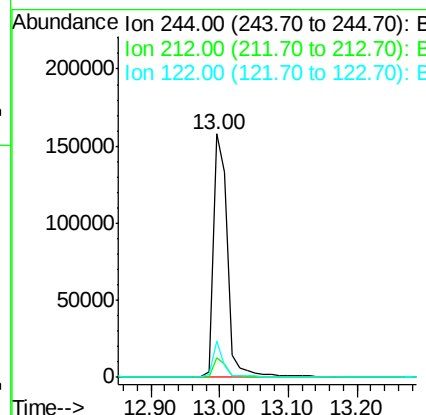
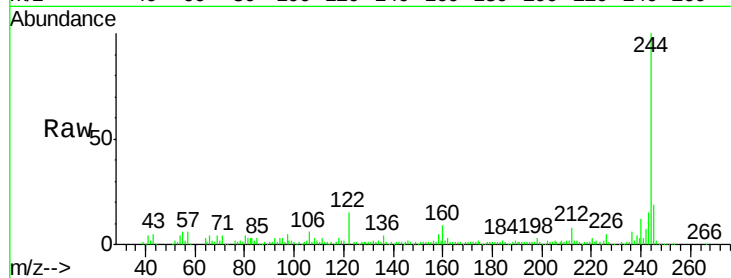




#78
 Terphenyl-d14
 Concen: 20.93 ng
 RT: 13.00 min Scan# 950
 Delta R.T. -0.01 min
 Lab File: BF082054.D
 Acq: 5 Oct 2015 19:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-6.0-7.0-092915DL

Tgt Ion:244 Resp: 228901
 Ion Ratio Lower Upper
 244 100
 212 7.9 4.3 6.5#
 122 14.6 17.4 26.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.50 min Scan# 1169
 Delta R.T. -0.01 min
 Lab File: BF082054.D
 Acq: 5 Oct 2015 19:57

Tgt Ion:264 Resp: 239952
 Ion Ratio Lower Upper
 264 100
 260 23.9 16.7 25.1
 265 21.5 17.2 25.8

