

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121815\
 Data File : BF083909.D
 Acq On : 18 Dec 2015 10:51
 Operator : UM/SJ
 Sample : G4680-02DL 5X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 18 11:39:53 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 01:01:02 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	46155	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	188271	20.00	ng	0.01
38) Acenaphthene-d10	9.92	164	82183	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	111093	20.00	ng	0.01
75) Chrysene-d12	14.05	240	94512	20.00	ng	0.02
86) Perylene-d12	15.49	264	71686	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	71450	24.23	ng	0.01
7) Phenol-d6	6.52	99	87928	24.36	ng	0.01
23) Nitrobenzene-d5	7.44	82	53567	16.24	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	13852	15.30	ng	0.01
44) 2-Fluorobiphenyl	9.24	172	112667	16.56	ng	0.00
78) Terphenyl-d14	12.99	244	74011	13.00	ng	0.01

Target Compounds						Qvalue
3) Pyridine	3.24	79	36812	11.64	ng	# 36
9) Benzaldehyde	6.41	77	19684	9.05	ng	# 1
18) Hexachloroethane	7.39	117	30825	21.80	ng	# 8
22) Acetophenone	7.28	105	15590	3.44	ng	# 57
24) Nitrobenzene	7.50	77	15170	4.45	ng	# 16
31) Naphthalene	8.19	128	71593	5.62	ng	# 84
32) Benzoic acid	7.96	122	1495	3.28	ng	# 1
33) 4-Chloroaniline	8.19	127	16533	3.87	ng	# 5
35) Caprolactam	8.60	113	9731	10.67	ng	# 54
36) 4-Chloro-3-methylphenol	8.72	107	1916	Below Cal		# 1
37) 2-Methylnaphthalene	8.89	142	105180	16.07	ng	# 95
46) 2-Chloronaphthalene	9.34	162	442	Below Cal		# 1
48) Acenaphthylene	9.78	152	86693	9.05	ng	# 93
49) Dimethylphthalate	9.63	163	19781	2.87	ng	# 11
51) Acenaphthene	9.95	154	14936	2.54	ng	# 91
53) 2,4-Dinitrophenol	9.97	184	427	10.98	ng	# 1
54) Dibenzofuran	10.12	168	27592	3.61	ng	# 1
55) 4-Nitrophenol	10.03	139	5727	5.79	ng	# 85
56) 2,4-Dinitrotoluene	10.10	165	4764	2.47	ng	# 79
57) Fluorene	10.46	166	65593	8.86	ng	# 87
64) 4,6-Dinitro-2-methylphenol	10.57	198	274	4.30	ng	# 1
65) n-Nitrosodiphenylamine	10.58	169	38552	9.54	ng	# 61
69) Pentachlorophenol	11.05	266	214	5.05	ng	# 18
70) Phenanthrene	11.44	178	209957	31.28	ng	# 99
71) Anthracene	11.48	178	63910	9.85	ng	# 98
74) Fluoranthene	12.62	202	156305	23.34	ng	# 97
77) Pyrene	12.85	202	260286	43.41	ng	# 99
80) Benzo(a)anthracene	14.04	228	149539	25.73	ng	# 93
82) Chrysene	14.08	228	154575	27.54	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.93	276	12322	2.94	ng	# 95
87) Benzo(b)fluoranthene	15.08	252	64662	12.37	ng	# 83
88) Benzo(k)fluoranthene	15.08	252	64662	15.00	ng	# 86
89) Benzo(a)pyrene	15.44	252	36466	8.45	ng	# 87
91) Benzo(g,h,i)perylene	17.37	276	14932	4.54	ng	# 83

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 18 01:01:02 2015
Response via : Initial Calibration

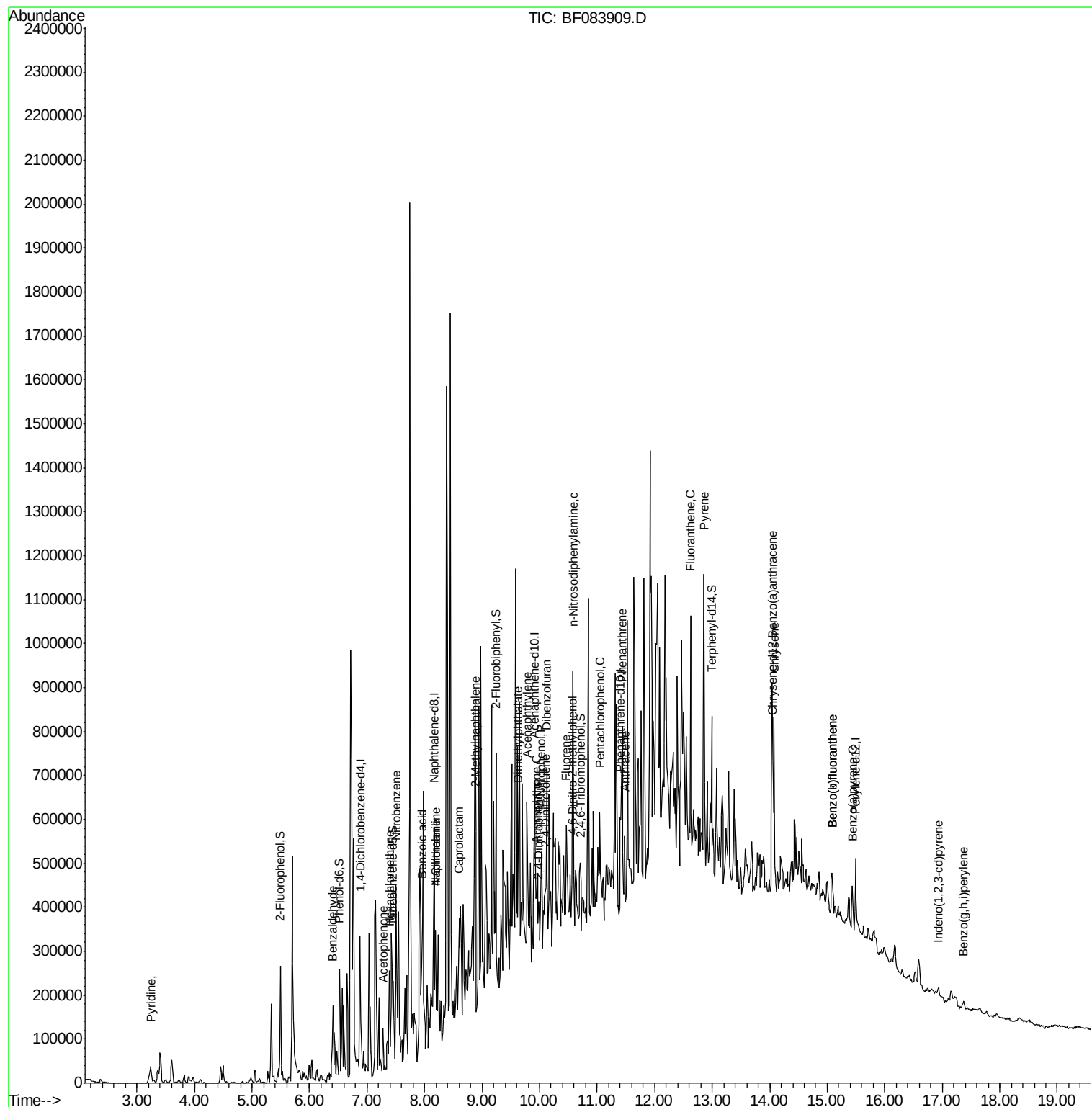
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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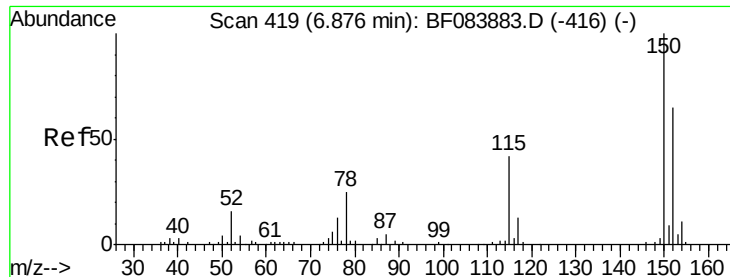
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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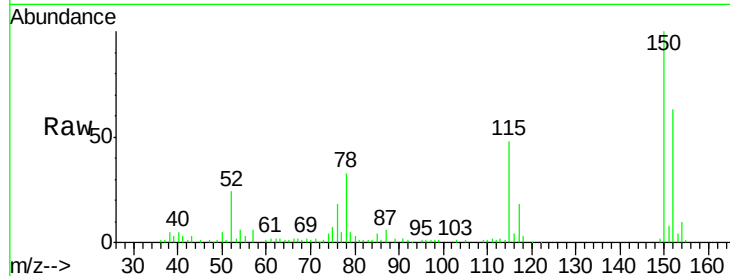


#1

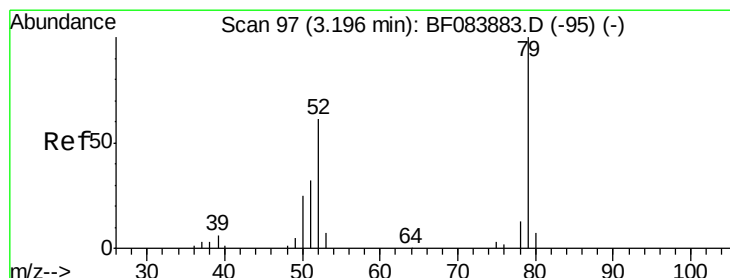
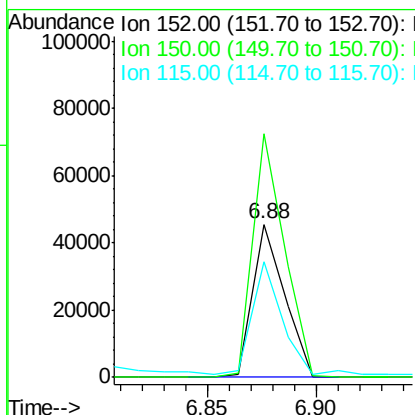
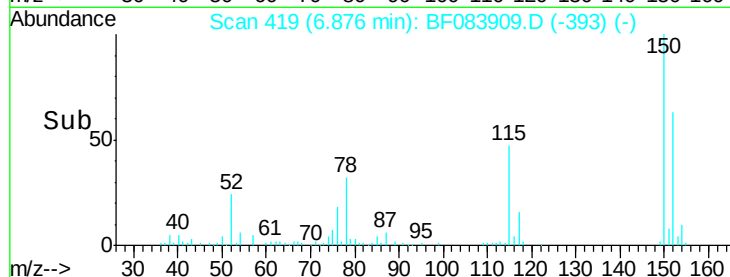
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 419
Delta R.T. -0.00 min
Lab File: BF083909.D
Acq: 18 Dec 2015 10:51

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 46155
Ion Ratio Lower Upper
152 100
150 158.8 123.0 184.4
115 75.8 51.4 77.2



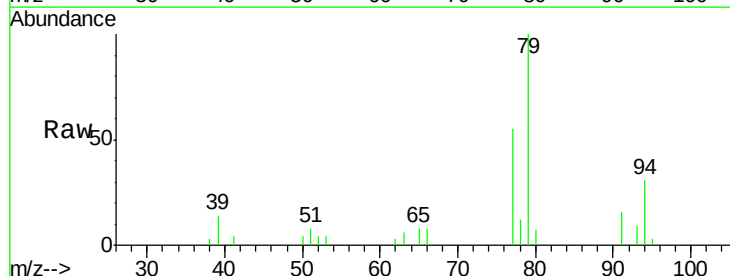
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



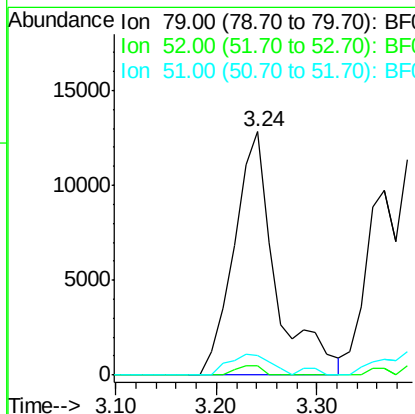
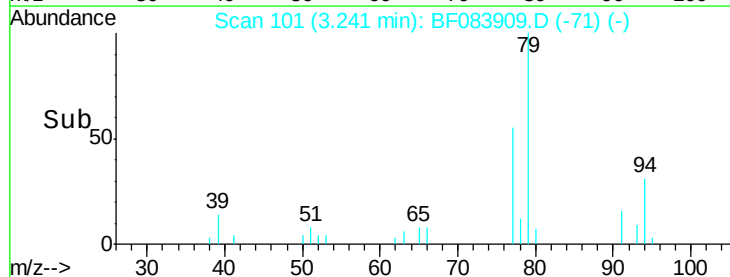
#3

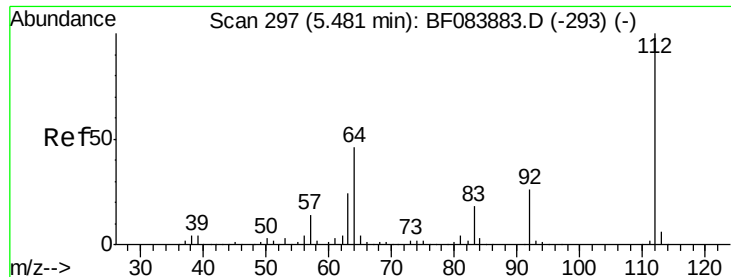
Pyridine
Concen: 11.64 ng
RT: 3.24 min Scan# 101
Delta R.T. 0.05 min
Lab File: BF083909.D
Acq: 18 Dec 2015 10:51

Tgt Ion: 79 Resp: 36812
Ion Ratio Lower Upper
79 100
52 3.7 49.0 73.4#
51 8.1 25.2 37.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 52.00 (51.70 to 52.70): BF0
Ion 51.00 (50.70 to 51.70): BF0





#5

2-Fluorophenol

Concen: 24.23 ng

RT: 5.49 min Scan# 298

Delta R.T. 0.01 min

Lab File: BF083909.D

Acq: 18 Dec 2015 10:51

Instrument :

BNA_F

ClientSampled :

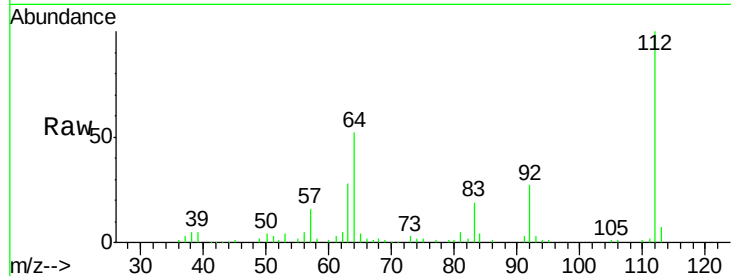
Tot Ion:112 Resp: 71450

Ion Ratio Lower Upper

112 100

64 52.1 36.6 55.0

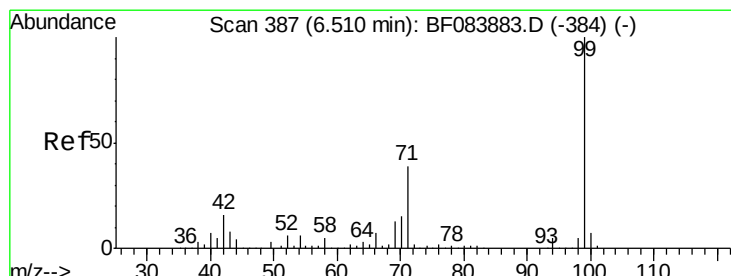
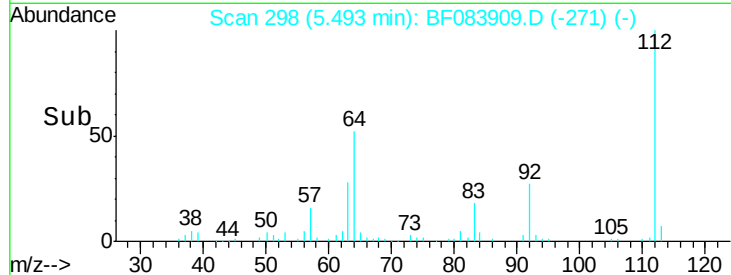
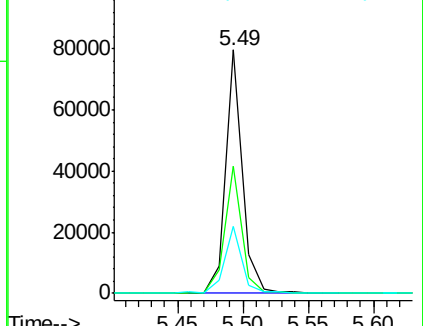
63 27.6 19.4 29.0



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: 24.36 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.01 min

Lab File: BF083909.D

Acq: 18 Dec 2015 10:51

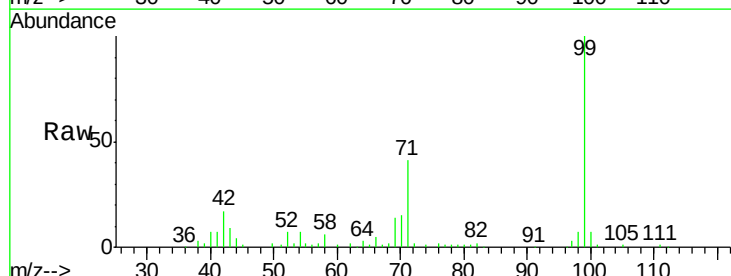
Tgt Ion: 99 Resp: 87928

Ion Ratio Lower Upper

99 100

42 17.0 12.8 19.2

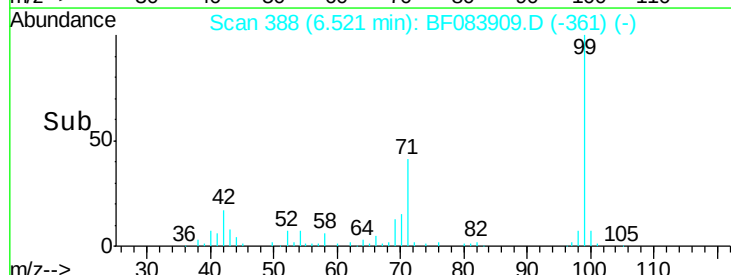
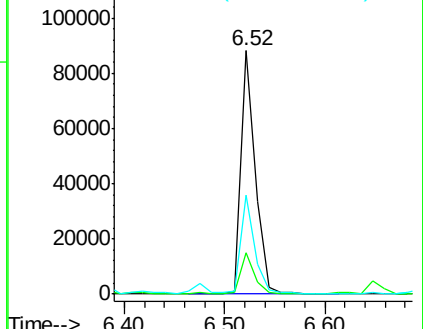
71 40.6 30.9 46.3

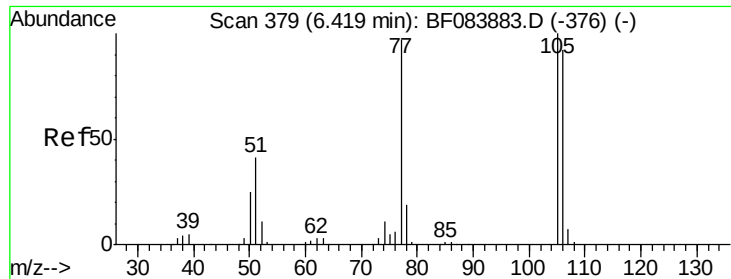


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 9.05 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF083909.D

Acq: 18 Dec 2015 10:51

Instrument :

BNA_F

ClientSampleId :

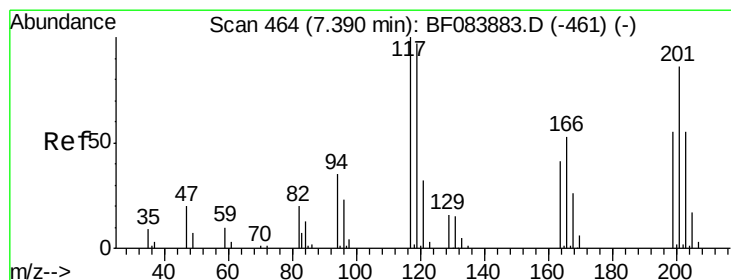
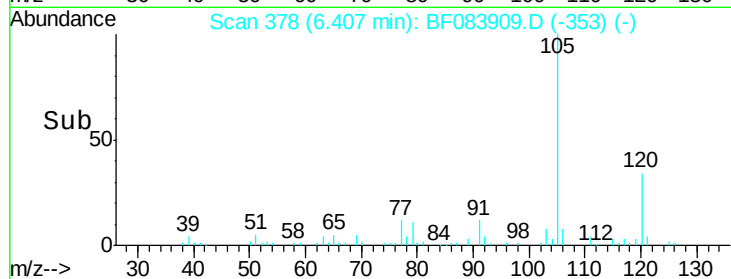
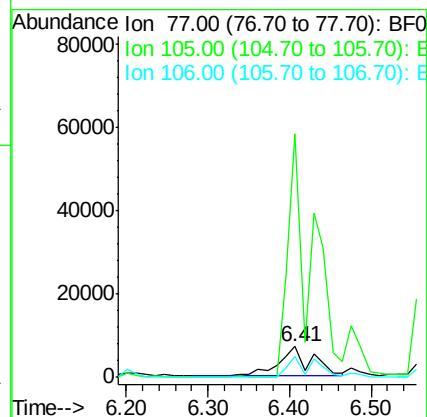
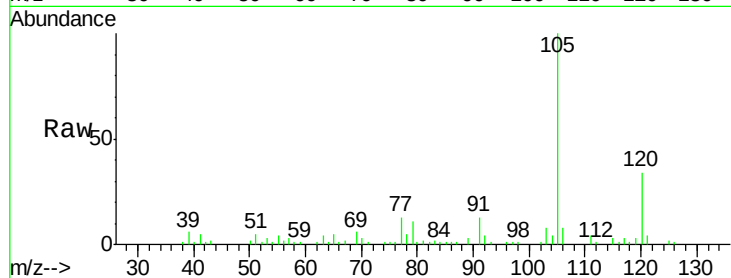
Tot Ion: 77 Resp: 19684

Ion Ratio Lower Upper

77 100

105 786.3 83.0 123.0#

106 65.4 74.6 114.6#



#18

Hexachloroethane

Concen: 21.80 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.00 min

Lab File: BF083909.D

Acq: 18 Dec 2015 10:51

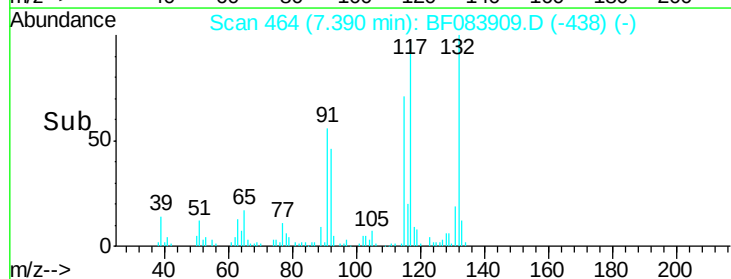
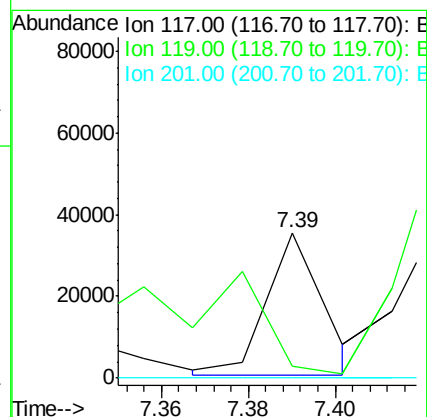
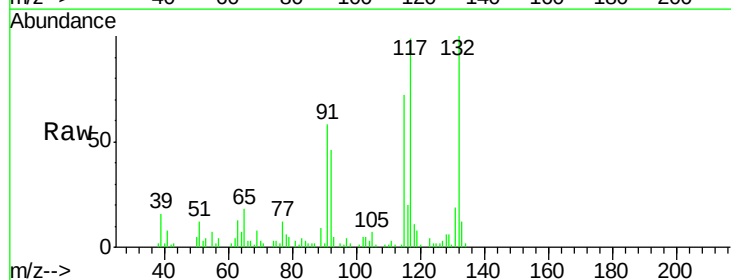
Tgt Ion: 117 Resp: 30825

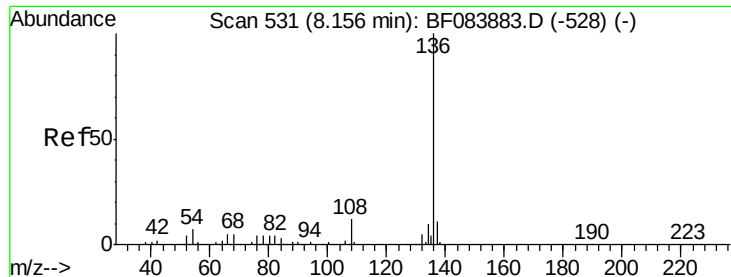
Ion Ratio Lower Upper

117 100

119 8.5 77.4 116.0#

201 0.0 68.6 103.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 532

Delta R.T. 0.01 min

Lab File: BF083909.D

Acq: 18 Dec 2015 10:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 188271

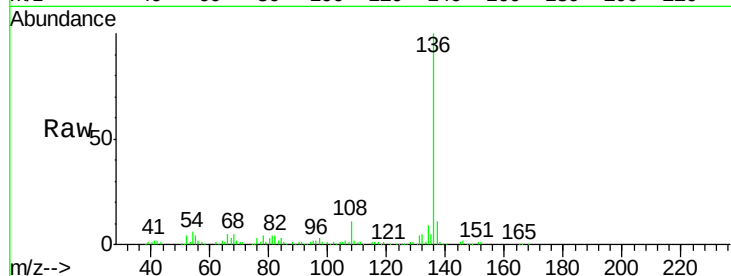
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 5.7 5.8 8.8#

68 4.5 4.2 6.2

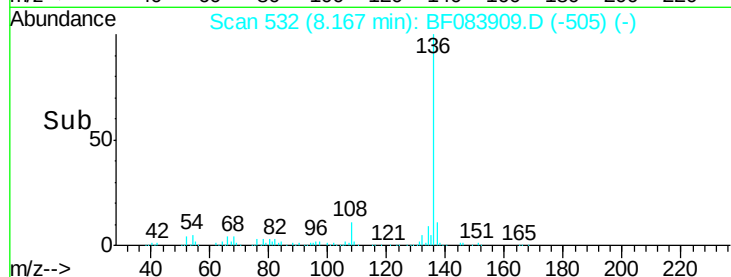


Abundance Ion 136.00 (135.70 to 136.70): E

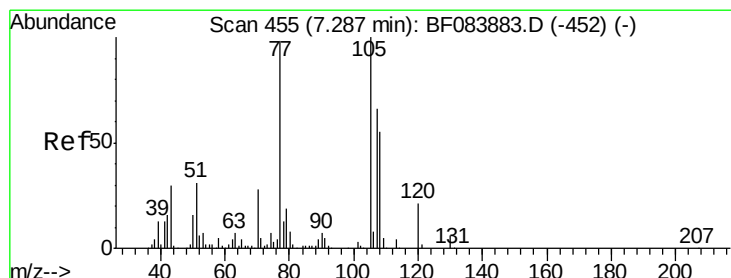
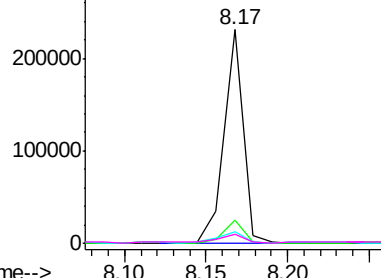
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 3.44 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF083909.D

Acq: 18 Dec 2015 10:51

Tgt Ion:105 Resp: 15590

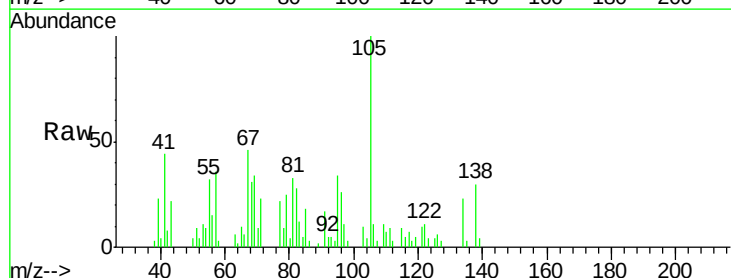
Ion Ratio Lower Upper

105 100

71 23.0 3.7 5.5#

51 9.4 25.1 37.7#

120 0.0 16.6 25.0#

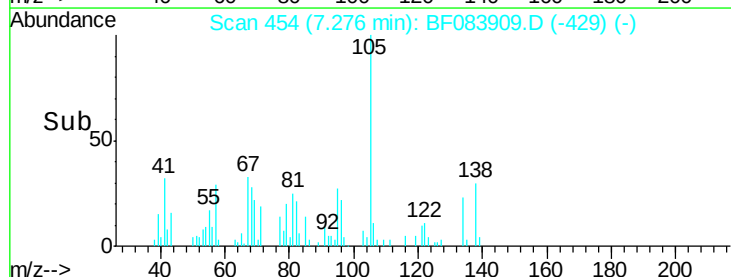


Abundance Ion 105.00 (104.70 to 105.70): E

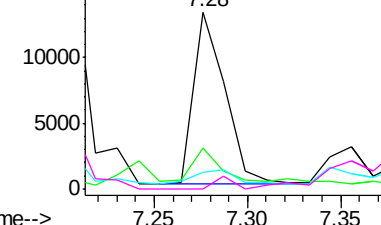
Ion 71.00 (70.70 to 71.70): BF0

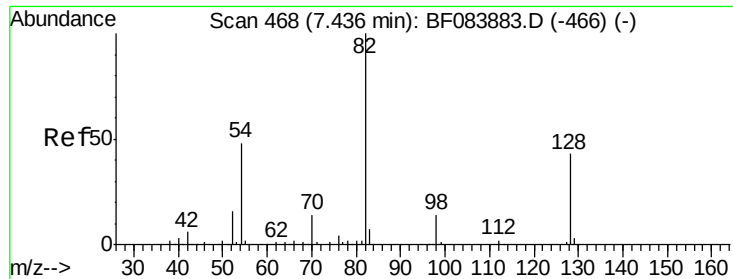
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->

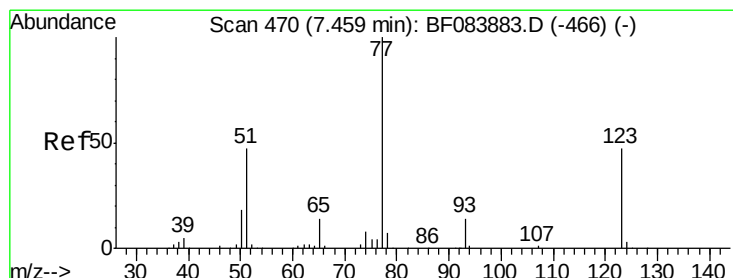
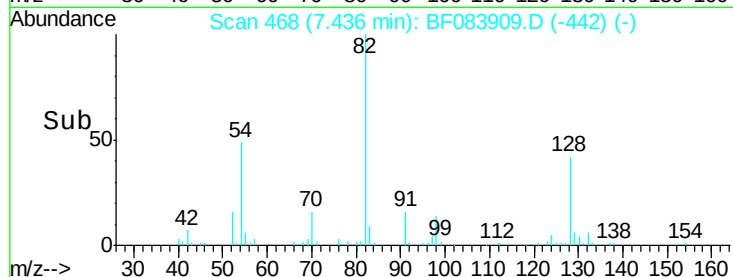
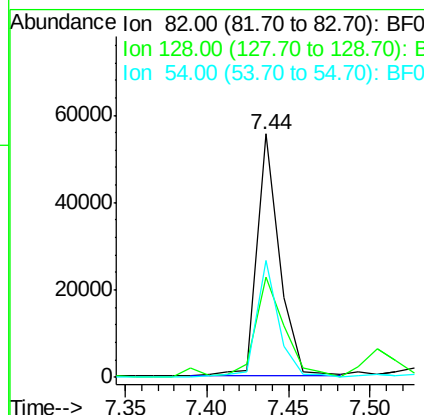
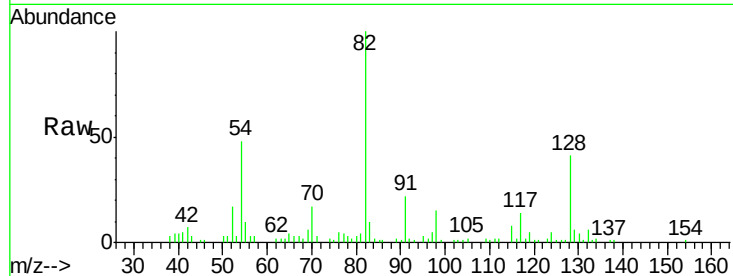




#23
Nitrobenzene-d5
Concen: 16.24 ng
RT: 7.44 min Scan# 468
Delta R.T. -0.00 min
Lab File: BF083909.D
Acq: 18 Dec 2015 10:51

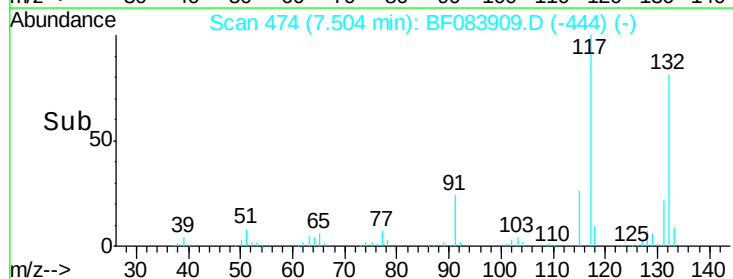
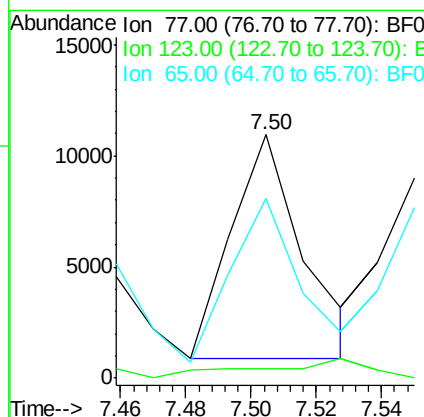
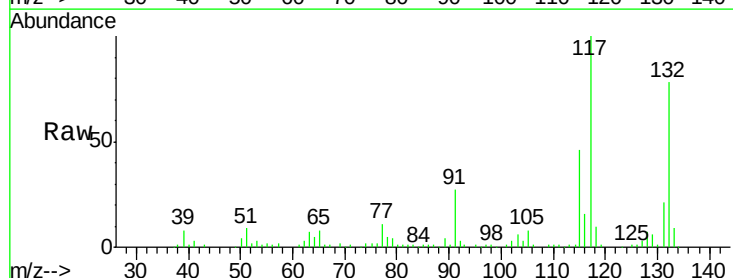
Instrument :
BNA_F
ClientSampleId :

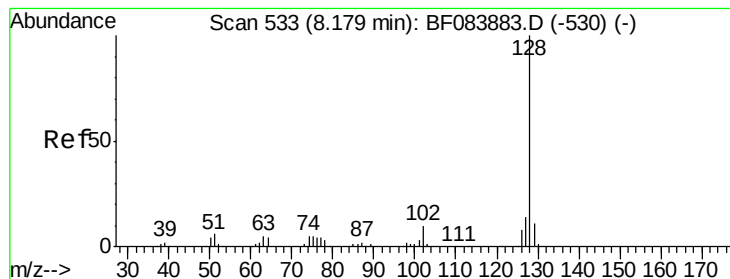
Tot Ion	82	Resp	53567
Ion	Ratio	Lower	Upper
82	100		
128	41.2	34.6	51.8
54	48.2	38.4	57.6



#24
Nitrobenzene
Concen: 4.45 ng
RT: 7.50 min Scan# 474
Delta R.T. 0.05 min
Lab File: BF083909.D
Acq: 18 Dec 2015 10:51

Tgt Ion	77	Resp	15170
Ion	Ratio	Lower	Upper
77	100		
123	3.7	37.4	56.2#
65	73.7	10.9	16.3#





#31

Naphthalene

Concen: 5.62 ng

RT: 8.19 min Scan# 534

Delta R.T. 0.01 min

Lab File: BF083909.D

Acq: 18 Dec 2015 10:51

Instrument :

BNA_F

ClientSampled :

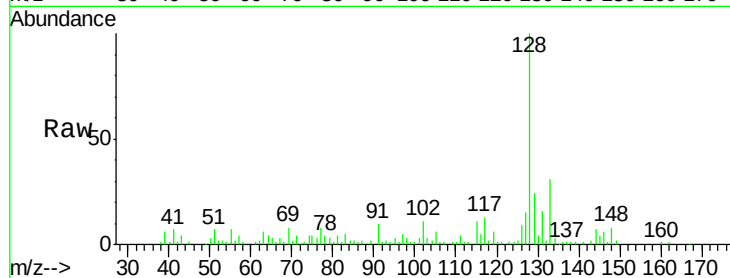
Tot Ion:128 Resp: 71593

Ion Ratio Lower Upper

128 100

129 23.5 9.1 13.7#

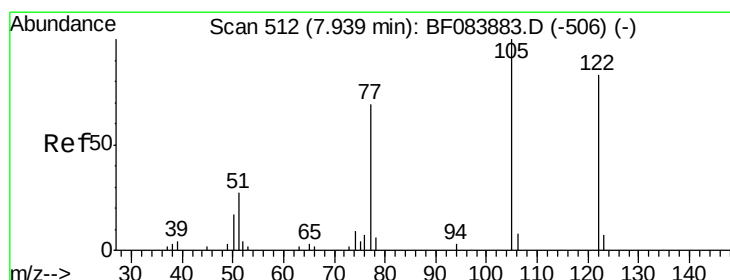
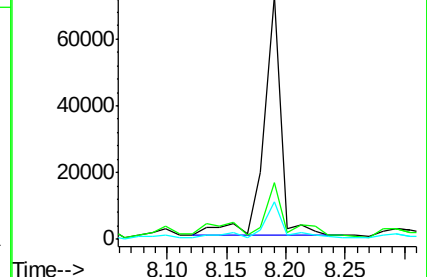
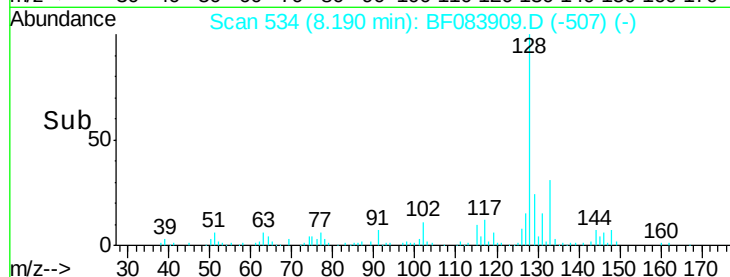
127 15.4 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 3.28 ng

RT: 7.96 min Scan# 514

Delta R.T. 0.02 min

Lab File: BF083909.D

Acq: 18 Dec 2015 10:51

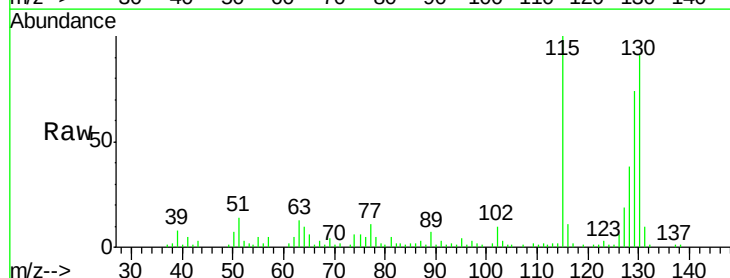
Tgt Ion:122 Resp: 1495

Ion Ratio Lower Upper

122 100

105 127.1 100.3 140.3

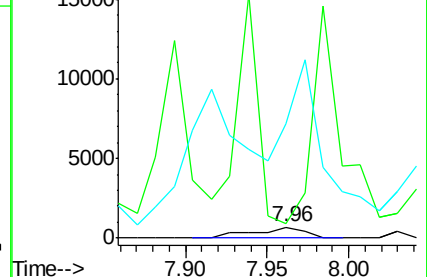
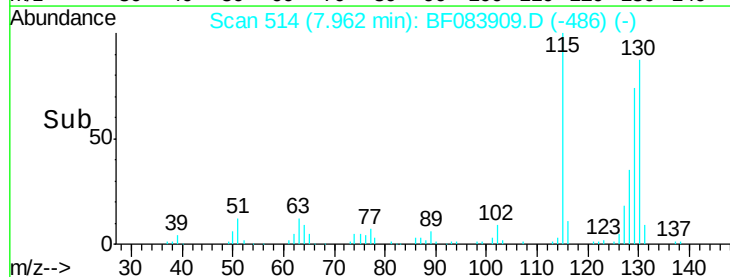
77 1037.6 63.5 103.5#

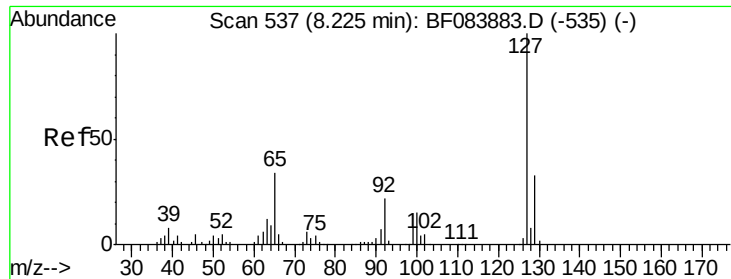


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

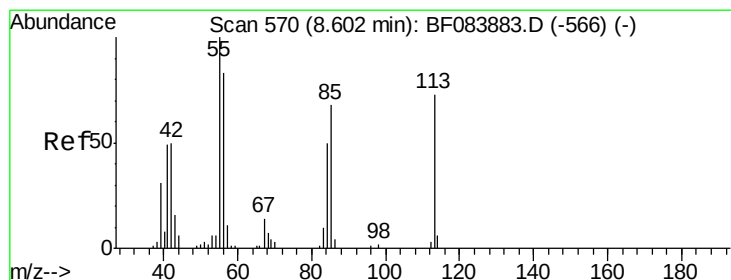
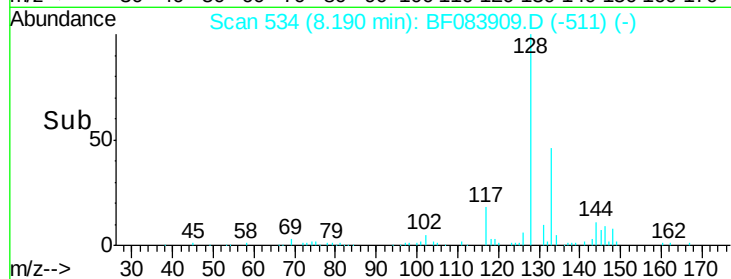
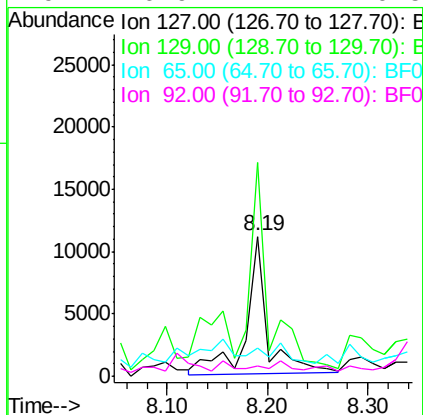
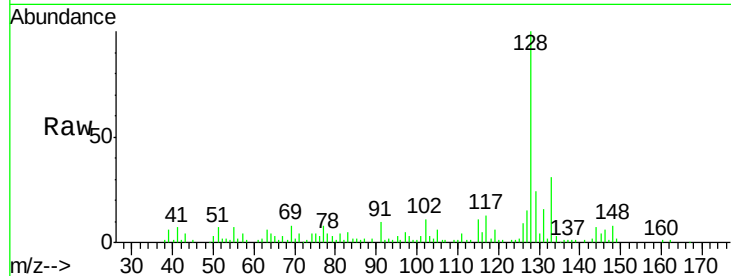




#33
4-Chloroaniline
Concen: 3.87 ng
RT: 8.19 min Scan# 534
Delta R.T. -0.03 min
Lab File: BF083909.D
Acq: 18 Dec 2015 10:51

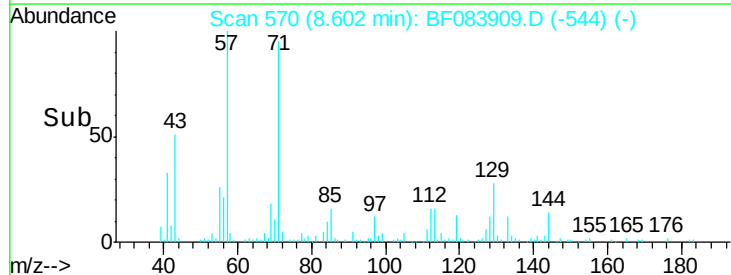
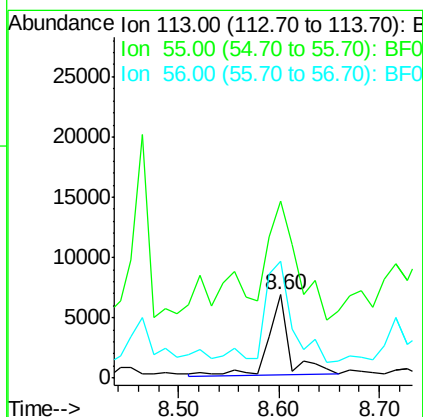
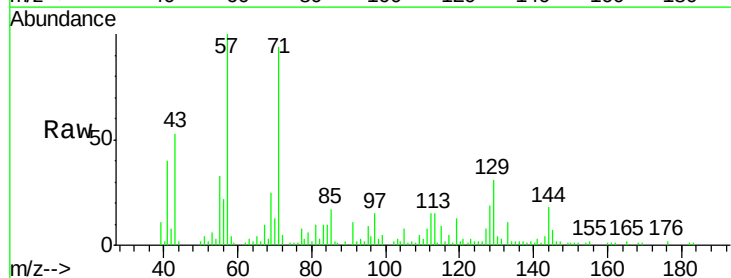
Instrument :
BNA_F
ClientSampled :

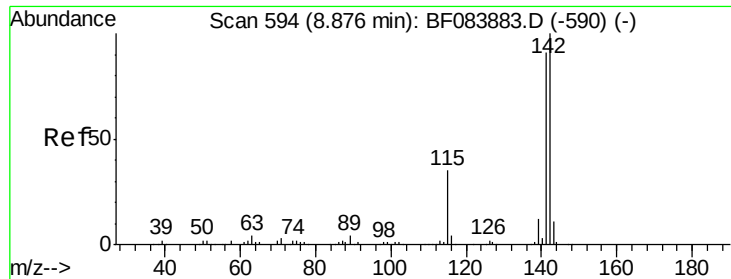
Tot Ion:	127	Resp:	16533
Ion	Ratio	Lower	Upper
127	100		
129	152.6	26.5	39.7#
65	20.3	27.2	40.8#
92	6.9	17.7	26.5#



#35
Caprolactam
Concen: 10.67 ng
RT: 8.60 min Scan# 570
Delta R.T. -0.00 min
Lab File: BF083909.D
Acq: 18 Dec 2015 10:51

Tgt Ion:	113	Resp:	9731
Ion	Ratio	Lower	Upper
113	100		
55	212.9	116.9	156.9#
56	140.7	93.8	133.8#

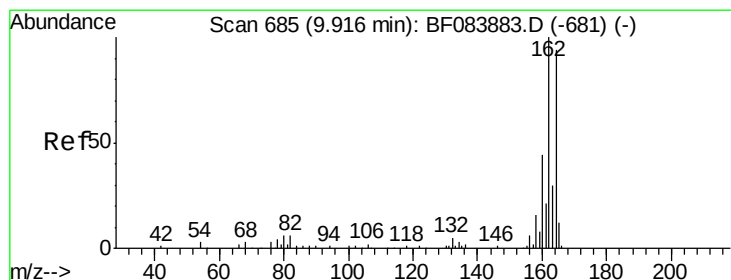
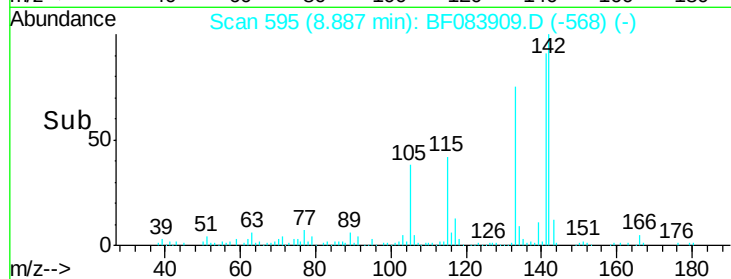
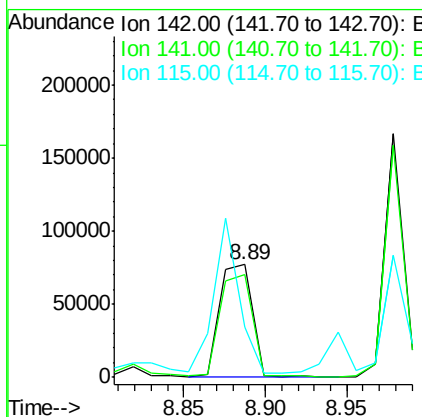
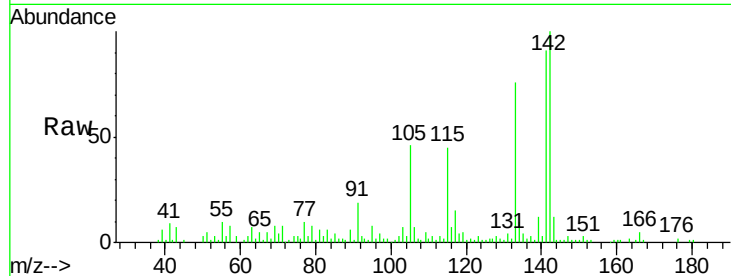




#37
2-Methylnaphthalene
Concen: 16.07 ng
RT: 8.89 min Scan# 595
Delta R.T. 0.01 min
Lab File: BF083909.D
Acq: 18 Dec 2015 10:51

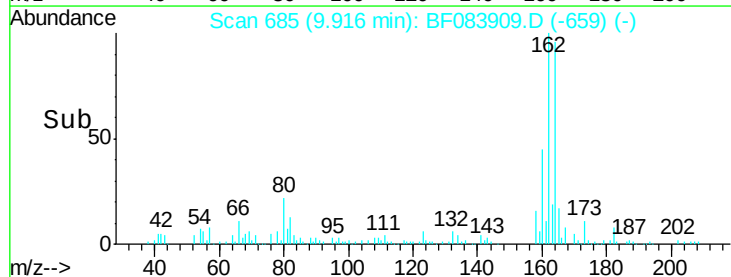
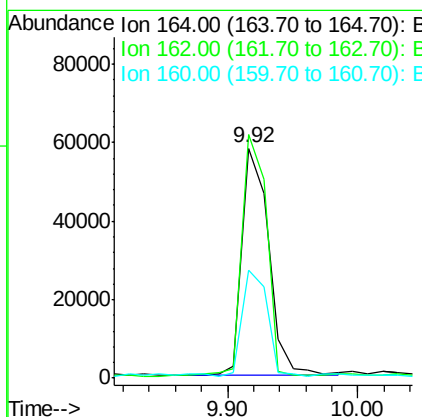
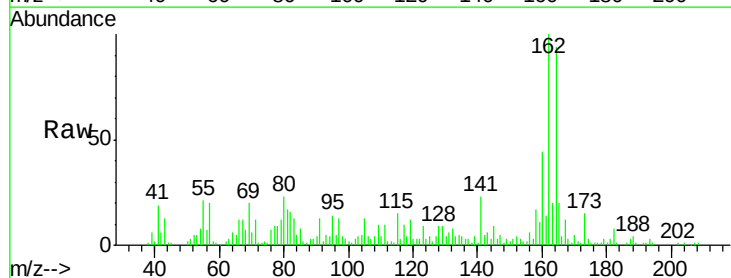
Instrument :
BNA_F
ClientSampleId :

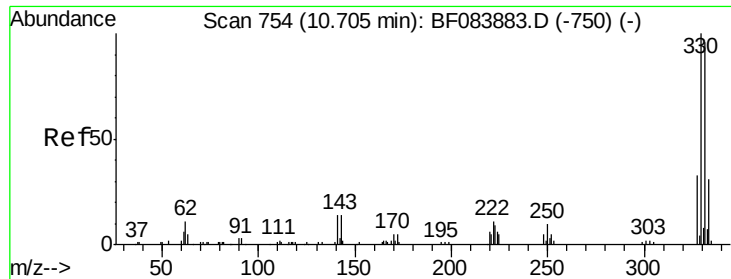
Tot Ion:142 Resp: 105180
Ion Ratio Lower Upper
142 100
141 90.9 72.4 108.6
115 44.5 27.9 41.9#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 685
Delta R.T. -0.00 min
Lab File: BF083909.D
Acq: 18 Dec 2015 10:51

Tgt Ion:164 Resp: 82183
Ion Ratio Lower Upper
164 100
162 106.0 85.1 127.7
160 46.8 37.5 56.3

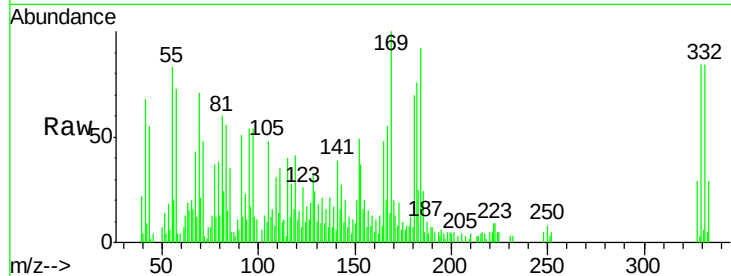




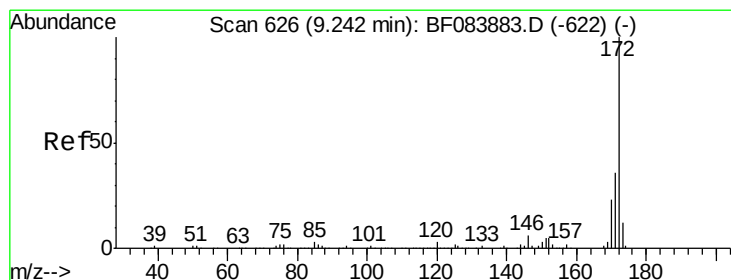
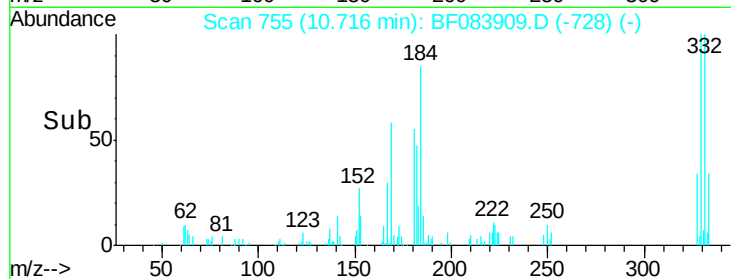
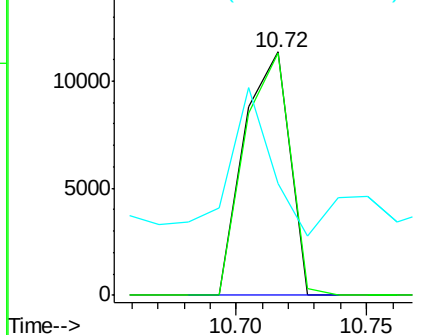
#41
 2,4,6-Tribromophenol
 Concen: 15.30 ng
 RT: 10.72 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: BF083909.D
 Acq: 18 Dec 2015 10:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 13852
 Ion Ratio Lower Upper
 330 100
 332 99.8 76.6 114.8
 141 56.7 27.8 41.6#

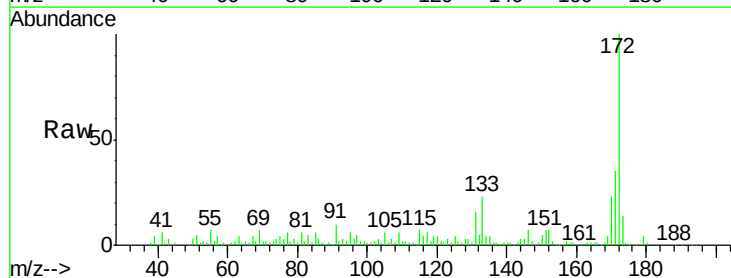


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

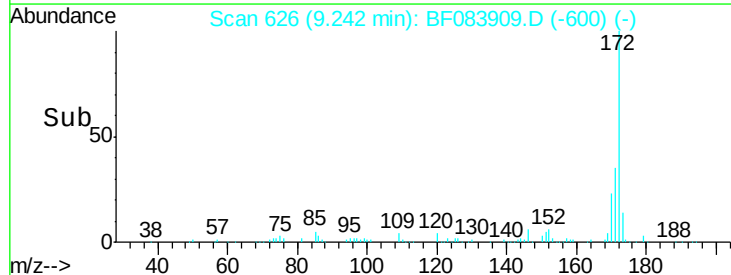
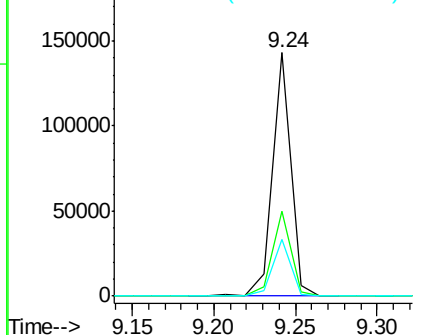


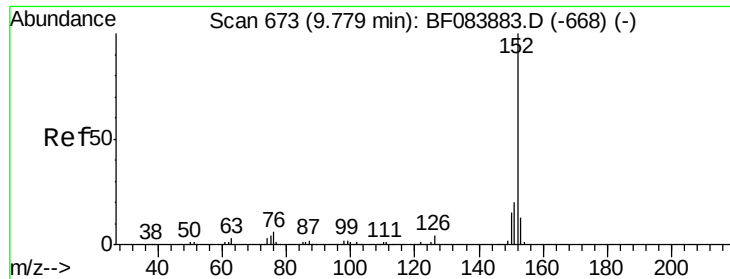
#44
 2-Fluorobiphenyl
 Concen: 16.56 ng
 RT: 9.24 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: BF083909.D
 Acq: 18 Dec 2015 10:51

Tgt Ion:172 Resp: 112667
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.9 43.3
 170 23.1 18.6 27.8



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

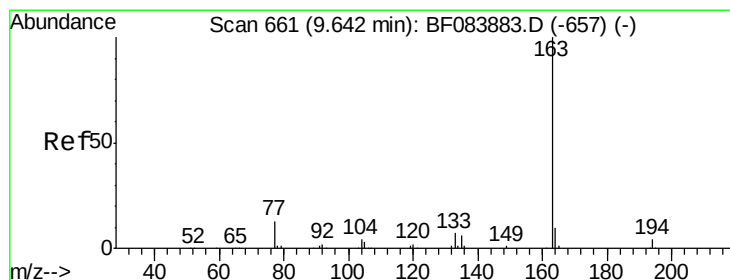
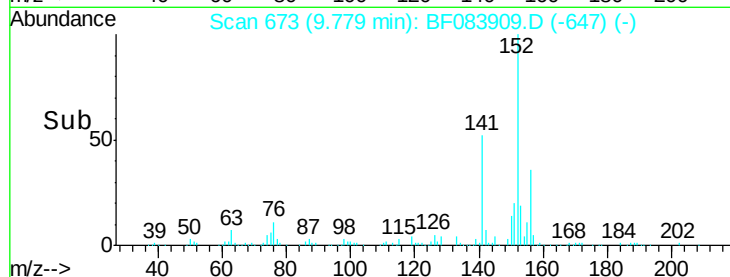
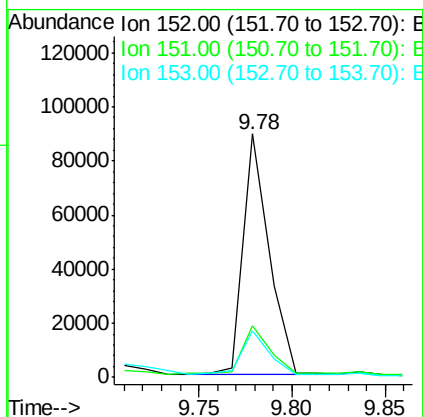
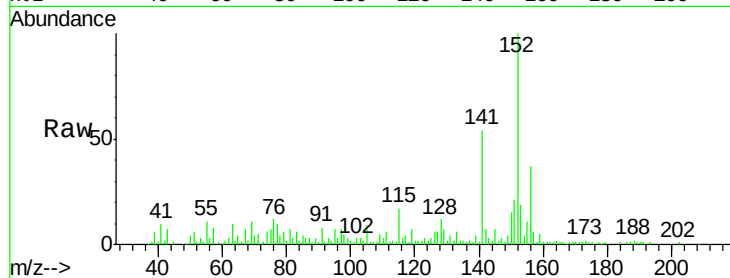




#48
Acenaphthylene
Concen: 9.05 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.00 min
Lab File: BF083909.D
Acq: 18 Dec 2015 10:51

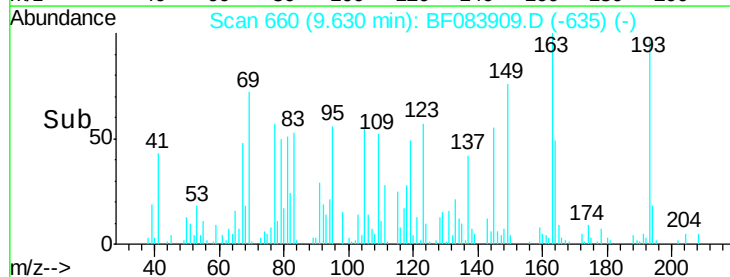
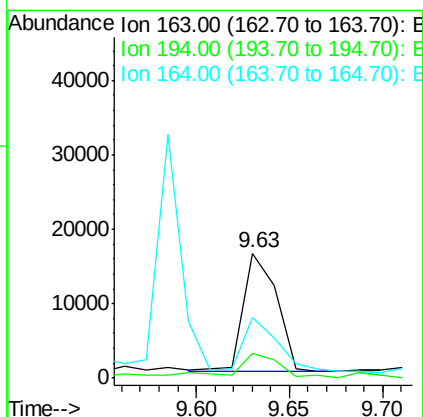
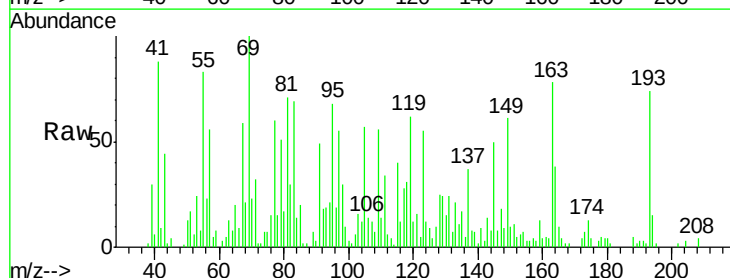
Instrument :
BNA_F
ClientSampleId :

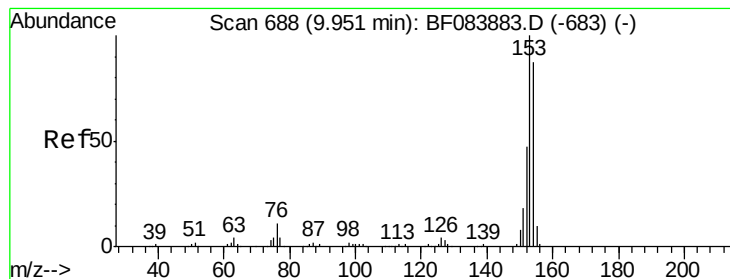
Tot Ion:152 Resp: 86693
Ion Ratio Lower Upper
152 100
151 21.4 16.3 24.5
153 19.2 10.4 15.6#



#49
Dimethylphthalate
Concen: 2.87 ng
RT: 9.63 min Scan# 660
Delta R.T. -0.01 min
Lab File: BF083909.D
Acq: 18 Dec 2015 10:51

Tgt Ion:163 Resp: 19781
Ion Ratio Lower Upper
163 100
194 19.4 3.0 4.6#
164 48.5 7.9 11.9#





#51

Acenaphthene

Concen: 2.54 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.00 min

Lab File: BF083909.D

Acq: 18 Dec 2015 10:51

Instrument :

BNA_F

ClientSampleId :

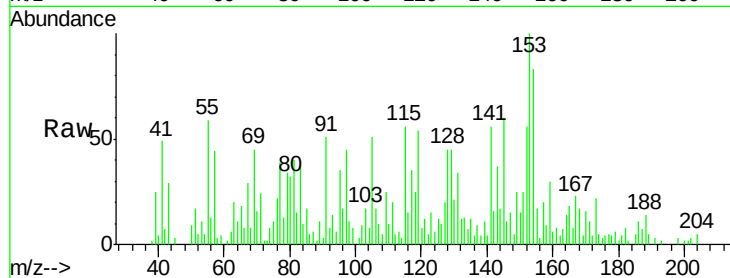
Tot Ion:154 Resp: 14936

Ion Ratio Lower Upper

154 100

153 120.0 91.5 137.3

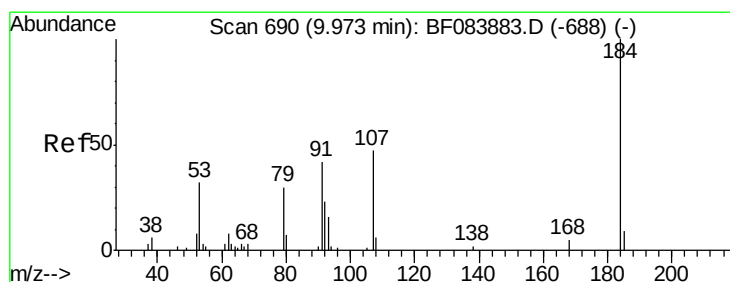
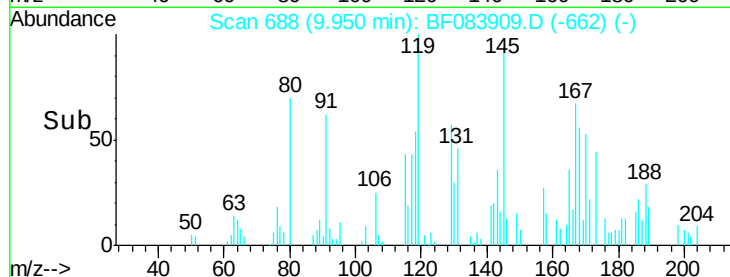
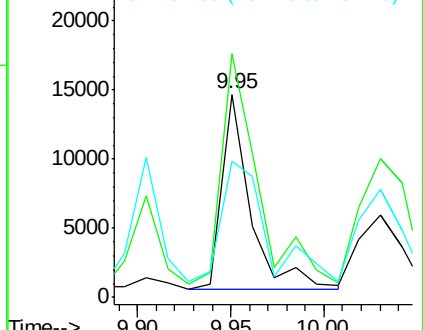
152 66.9 43.0 64.6#



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: 10.98 ng

RT: 9.97 min Scan# 690

Delta R.T. 0.00 min

Lab File: BF083909.D

Acq: 18 Dec 2015 10:51

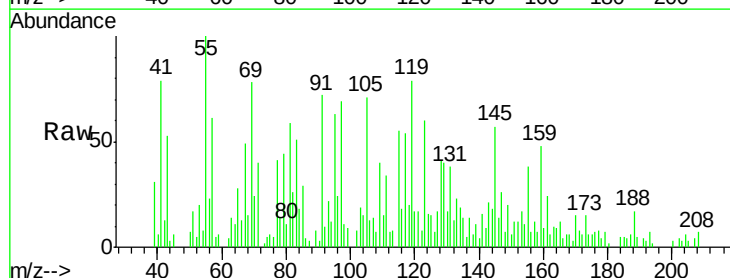
Tgt Ion:184 Resp: 427

Ion Ratio Lower Upper

184 100

63 277.7 43.1 64.7#

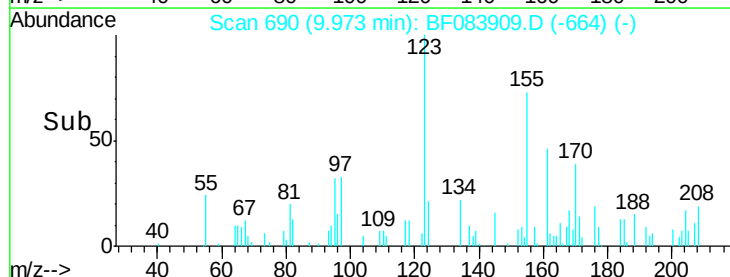
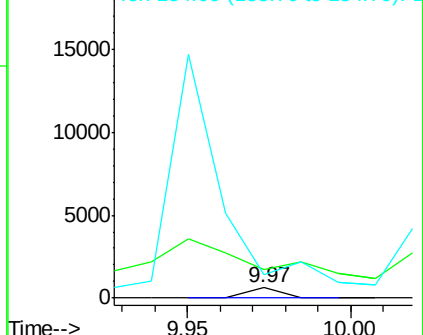
154 220.9 60.5 90.7#

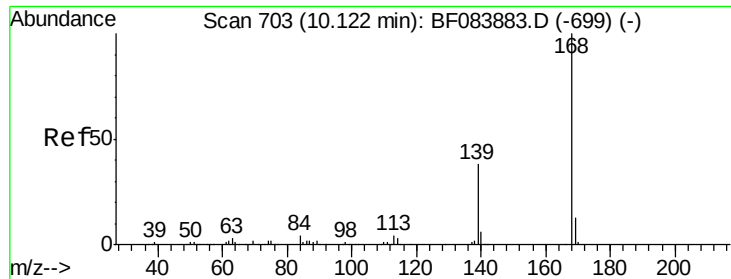


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

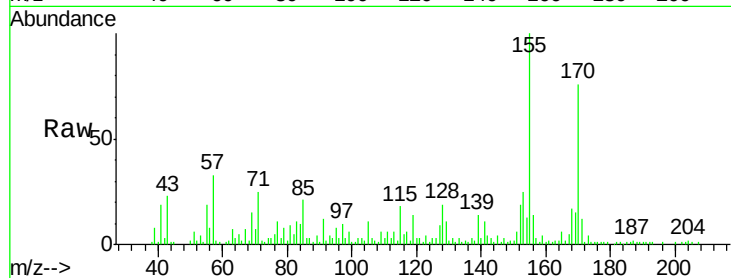




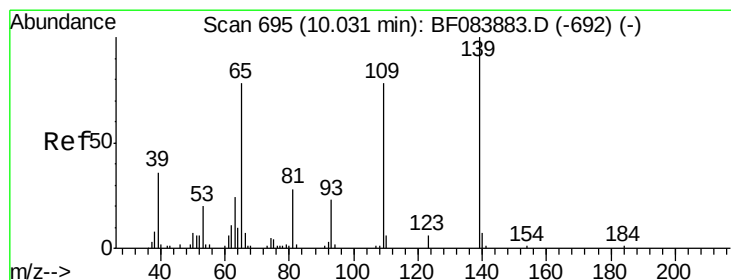
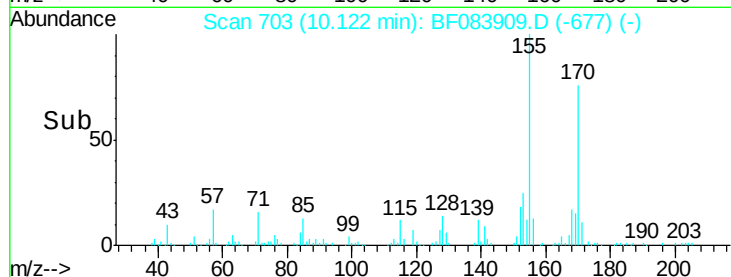
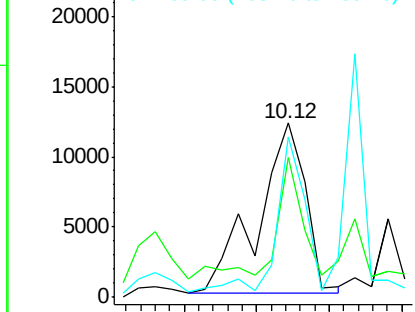
#54
Dibenzofuran
Concen: 3.61 ng
RT: 10.12 min Scan# 703
Delta R.T. -0.00 min
Lab File: BF083909.D
Acq: 18 Dec 2015 10:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 27592
Ion Ratio Lower Upper
168 100
139 80.7 30.5 45.7#
169 92.1 10.4 15.6#

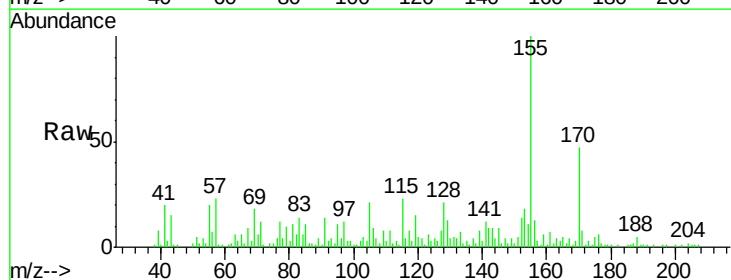


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

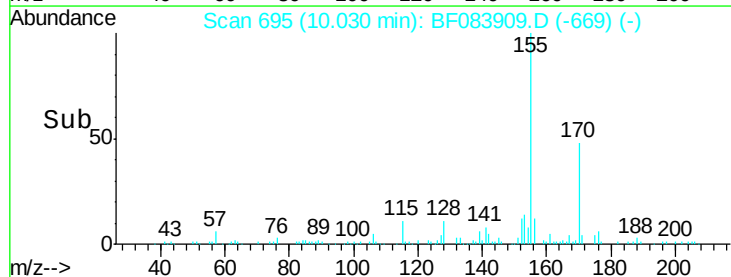
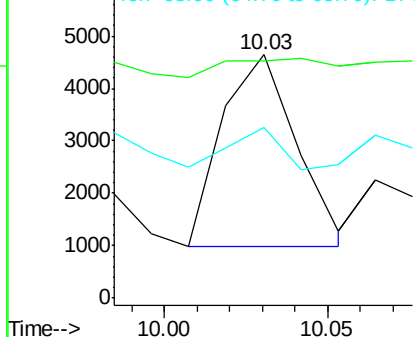


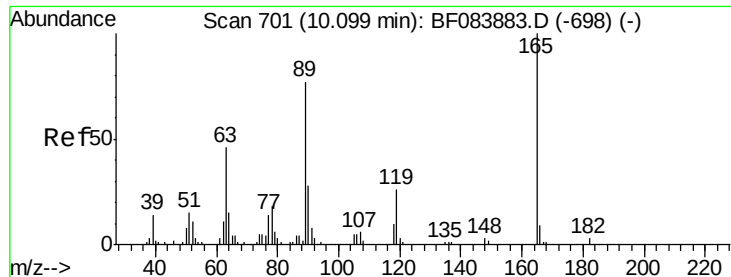
#55
4-Nitrophenol
Concen: 5.79 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.00 min
Lab File: BF083909.D
Acq: 18 Dec 2015 10:51

Tgt Ion:139 Resp: 5727
Ion Ratio Lower Upper
139 100
109 97.2 58.5 98.5
65 70.2 57.6 97.6



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

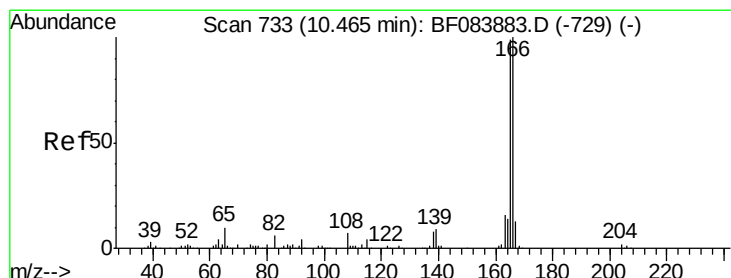
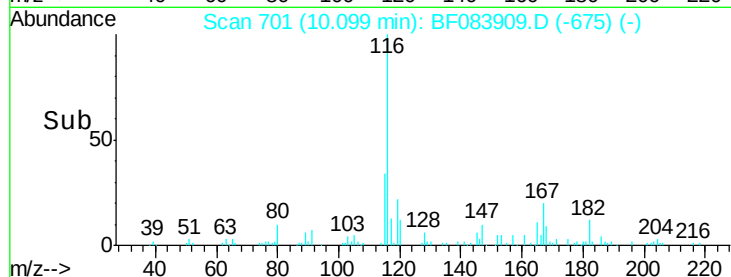
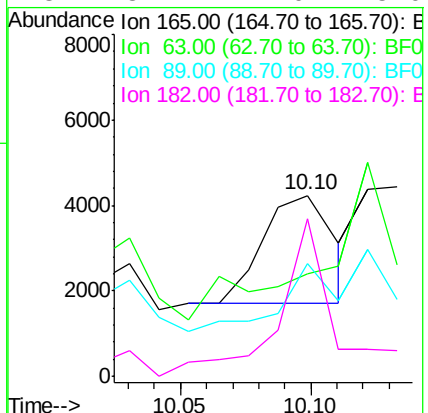
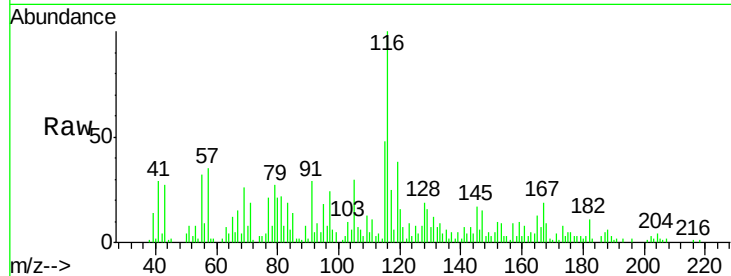




#56
2,4-Dinitrotoluene
Concen: 2.47 ng
RT: 10.10 min Scan# 701
Delta R.T. -0.00 min
Lab File: BF083909.D
Acq: 18 Dec 2015 10:51

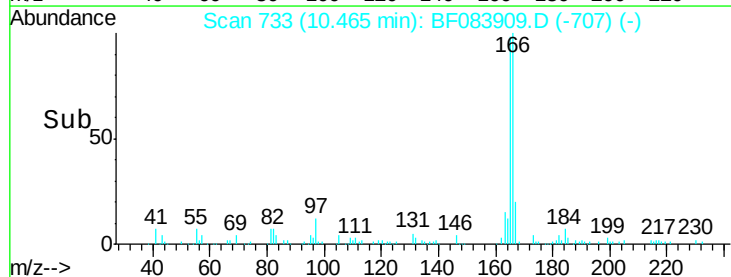
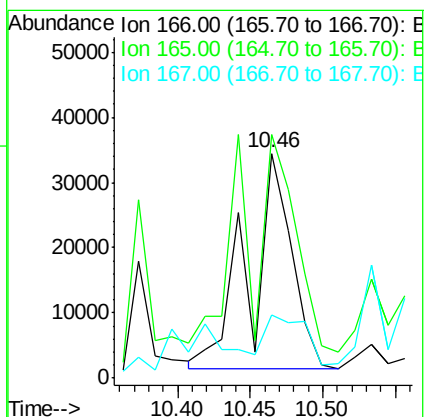
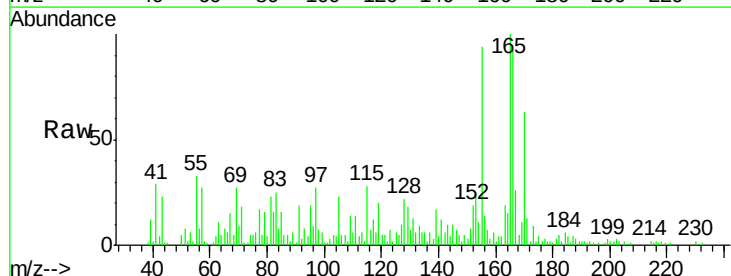
Instrument :
BNA_F
ClientSampleId :

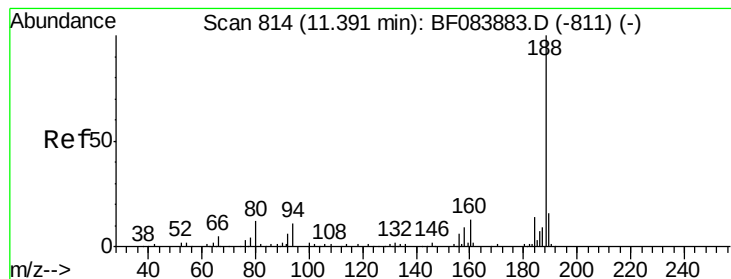
Tot Ion:165 Resp: 4764
Ion Ratio Lower Upper
165 100
63 56.7 36.7 55.1#
89 62.5 61.9 92.9
182 87.1 2.0 3.0#



#57
Fluorene
Concen: 8.86 ng
RT: 10.46 min Scan# 733
Delta R.T. 0.00 min
Lab File: BF083909.D
Acq: 18 Dec 2015 10:51

Tgt Ion:166 Resp: 65593
Ion Ratio Lower Upper
166 100
165 108.1 79.1 118.7
167 27.9 10.4 15.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 815

Delta R.T. 0.01 min

Lab File: BF083909.D

Acq: 18 Dec 2015 10:51

Instrument :

BNA_F

ClientSampleId :

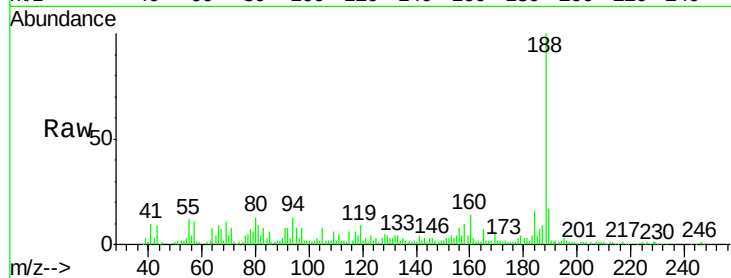
Tot Ion:188 Resp: 111093

Ion Ratio Lower Upper

188 100

94 13.3 9.0 13.4

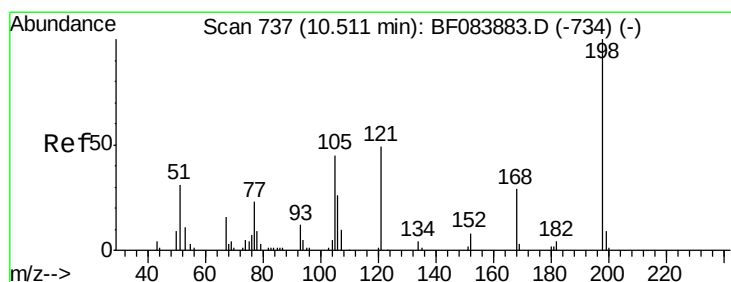
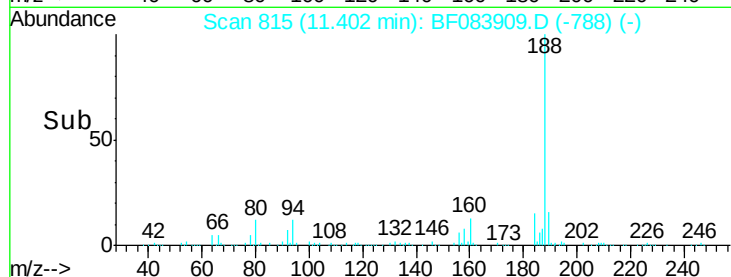
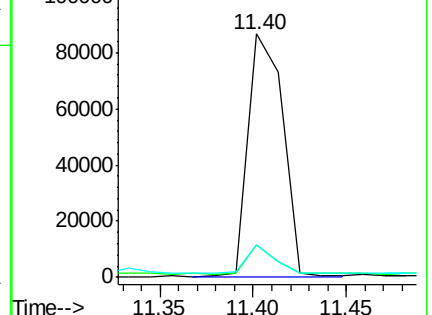
80 13.5 9.6 14.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 4.30 ng

RT: 10.57 min Scan# 742

Delta R.T. 0.06 min

Lab File: BF083909.D

Acq: 18 Dec 2015 10:51

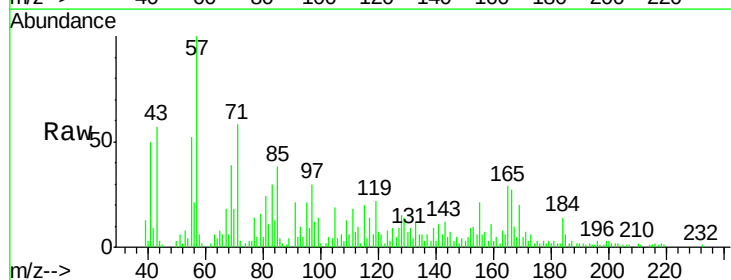
Tgt Ion:198 Resp: 274

Ion Ratio Lower Upper

198 100

51 485.5 18.9 58.9#

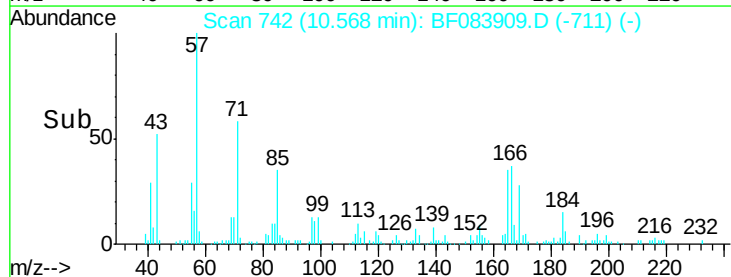
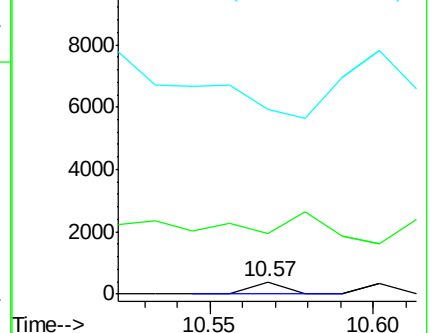
105 1481.0 26.4 66.4#

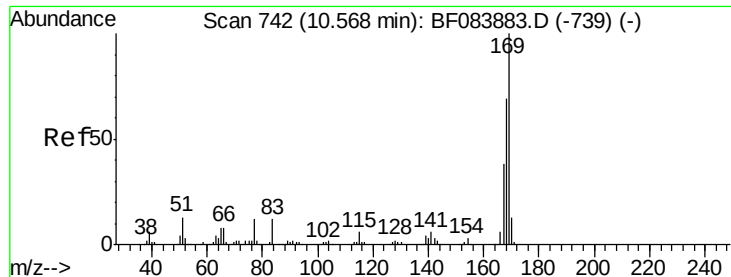


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

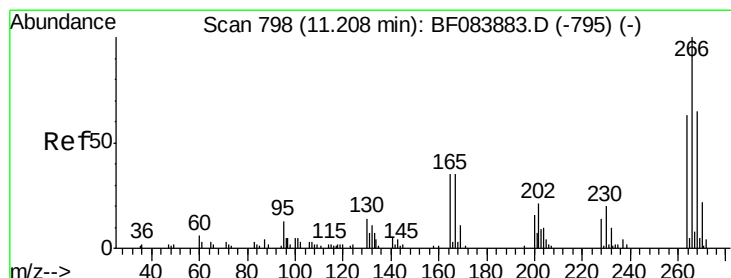
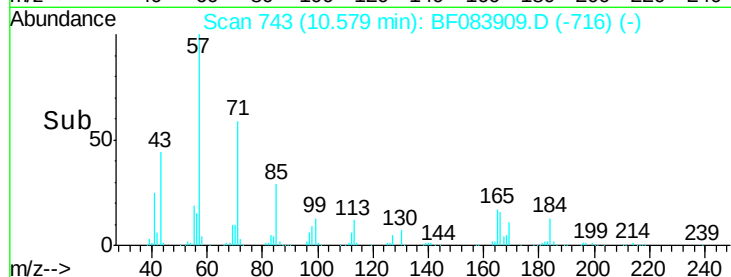
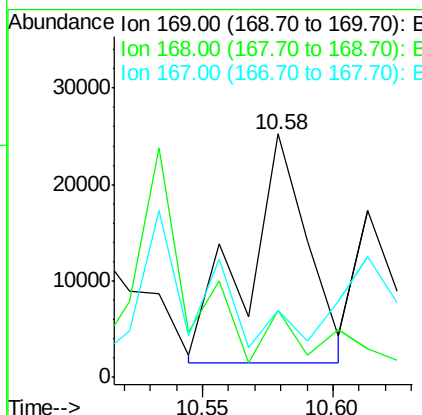
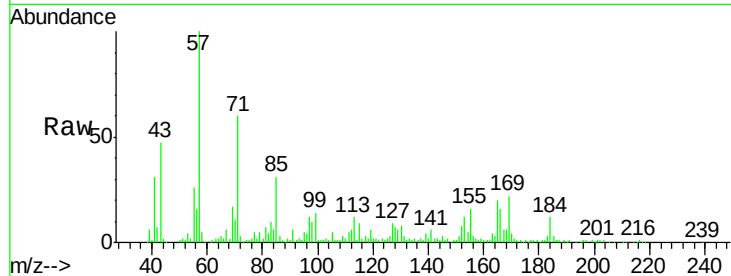




#65
 n-Nitrosodiphenylamine
 Concen: 9.54 ng
 RT: 10.58 min Scan# 743
 Delta R.T. 0.01 min
 Lab File: BF083909.D
 Acq: 18 Dec 2015 10:51

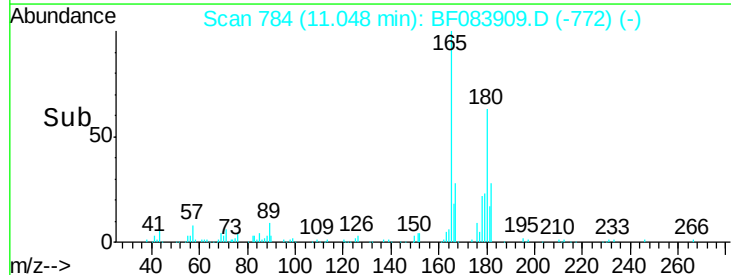
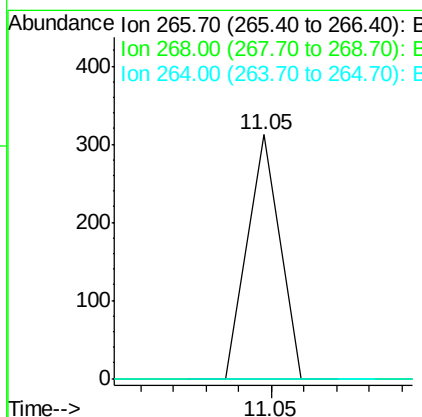
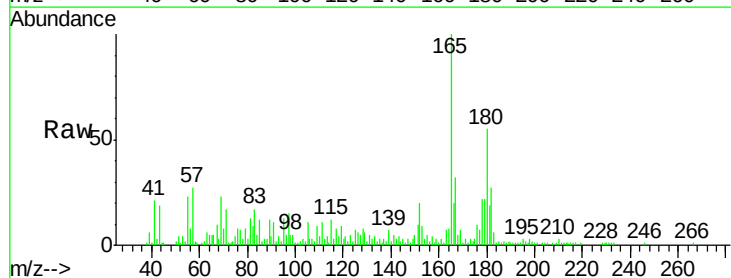
Instrument :
 BNA_F
 ClientSampleId :

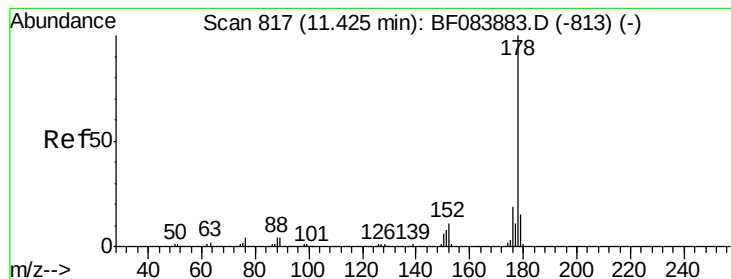
Tot Ion:169 Resp: 38552
 Ion Ratio Lower Upper
 169 100
 168 27.4 55.1 82.7#
 167 27.7 30.0 45.0#



#69
 Pentachlorophenol
 Concen: 5.05 ng
 RT: 11.05 min Scan# 784
 Delta R.T. -0.16 min
 Lab File: BF083909.D
 Acq: 18 Dec 2015 10:51

Tgt Ion:266 Resp: 214
 Ion Ratio Lower Upper
 266 100
 268 0.0 52.4 78.6#
 264 0.0 50.2 75.2#





#70

Phenanthrene

Concen: 31.28 ng

RT: 11.44 min Scan# 818

Delta R.T. 0.01 min

Lab File: BF083909.D

Acq: 18 Dec 2015 10:51

Instrument :

BNA_F

ClientSampled :

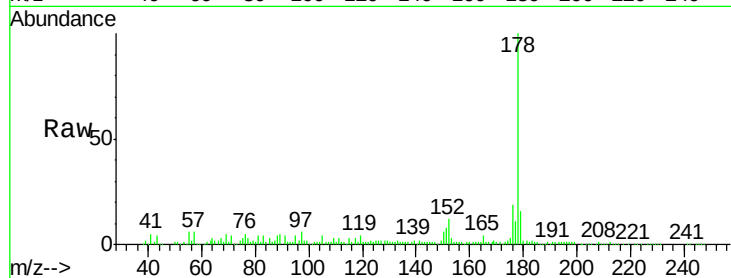
Tot Ion:178 Resp: 209957

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

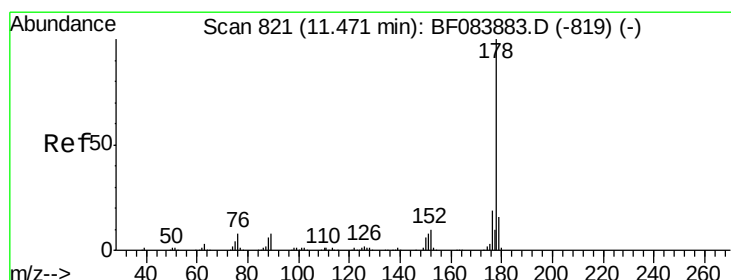
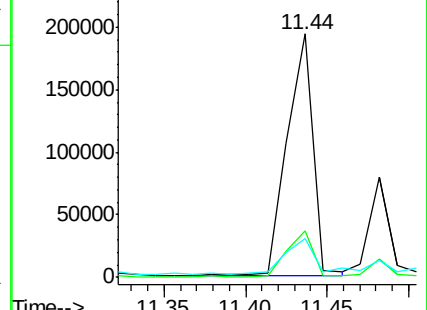
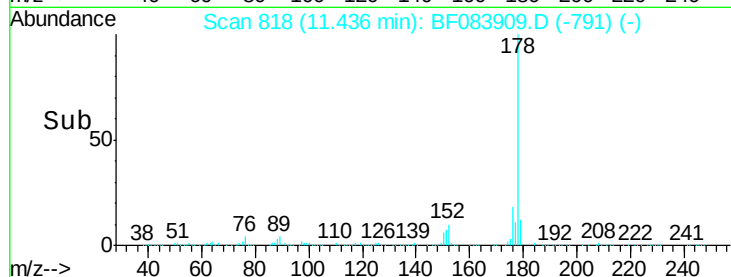
179 16.0 12.0 18.0



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: 9.85 ng

RT: 11.48 min Scan# 822

Delta R.T. 0.01 min

Lab File: BF083909.D

Acq: 18 Dec 2015 10:51

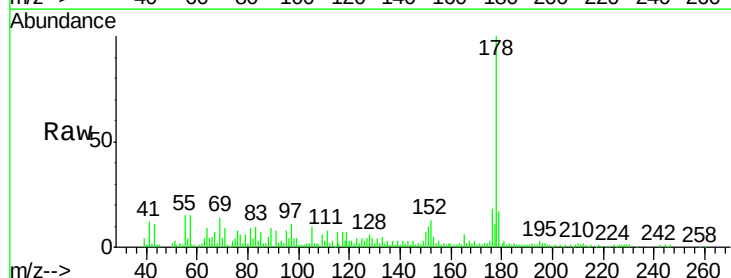
Tgt Ion:178 Resp: 63910

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.0

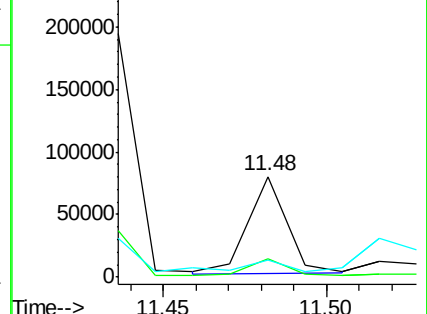
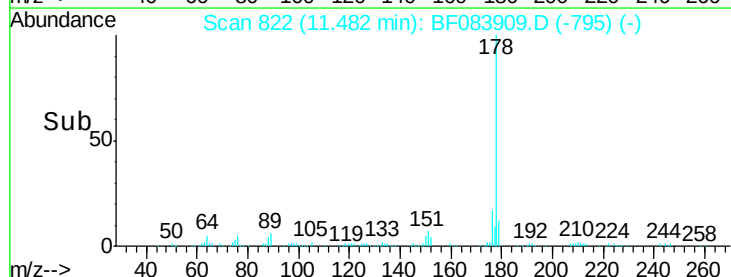
179 16.8 12.5 18.7

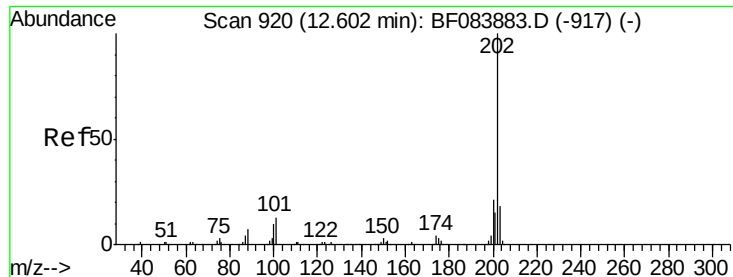


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 23.34 ng

RT: 12.62 min Scan# 922

Delta R.T. 0.02 min

Lab File: BF083909.D

Acq: 18 Dec 2015 10:51

Instrument :

BNA_F

ClientSampleId :

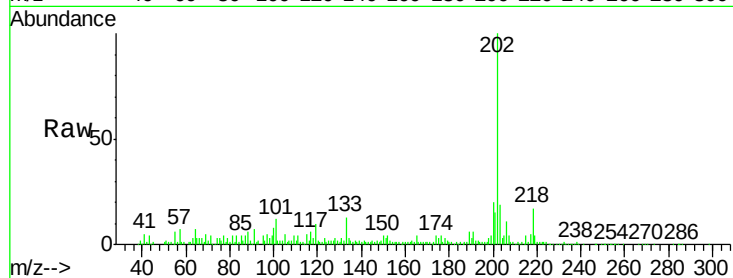
Tot Ion:202 Resp: 156305

Ion Ratio Lower Upper

202 100

101 12.1 0.0 32.8

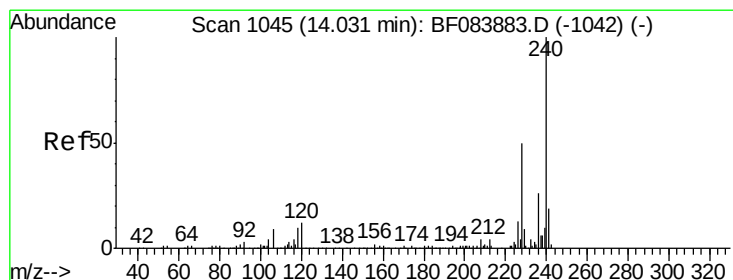
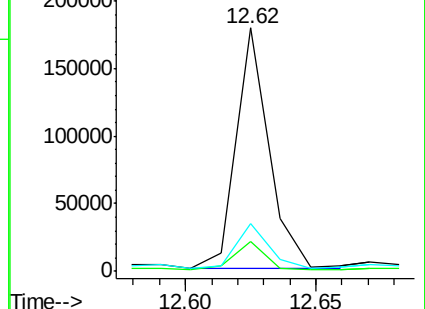
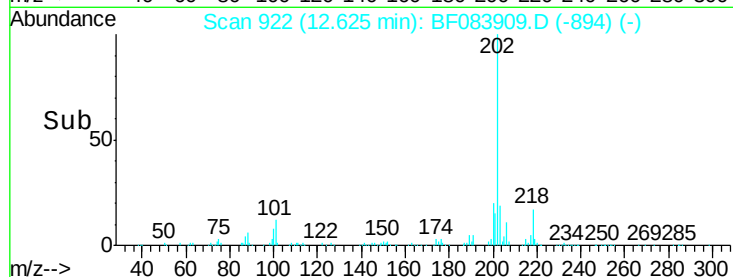
203 19.5 0.0 37.9



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: 14.05 min Scan# 1047

Delta R.T. 0.02 min

Lab File: BF083909.D

Acq: 18 Dec 2015 10:51

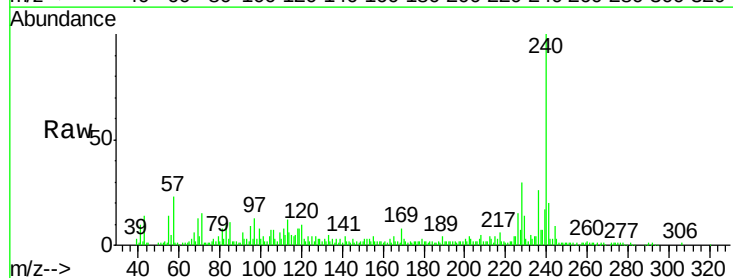
Tgt Ion:240 Resp: 94512

Ion Ratio Lower Upper

240 100

120 10.0 9.5 14.3

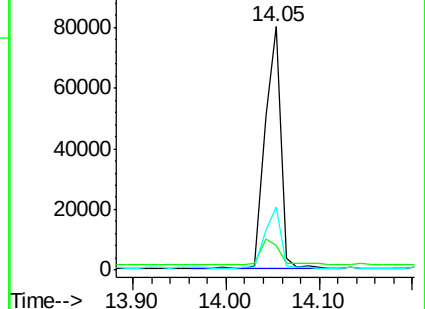
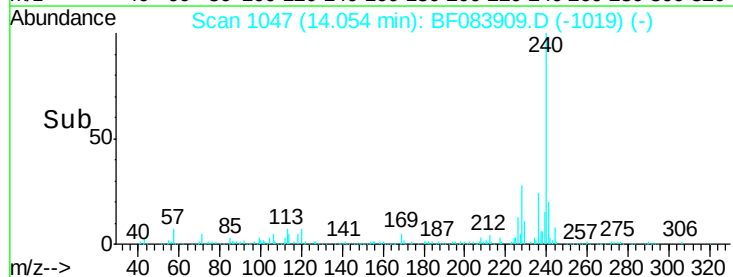
236 26.2 20.6 31.0

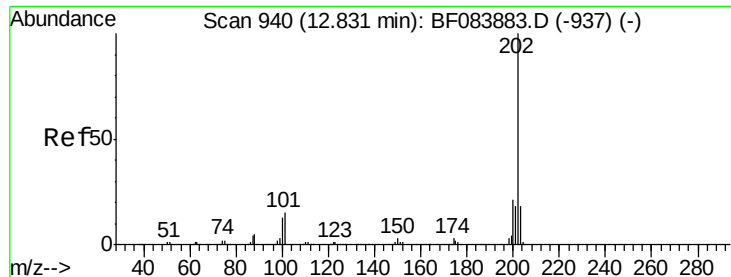


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 43.41 ng

RT: 12.85 min Scan# 942

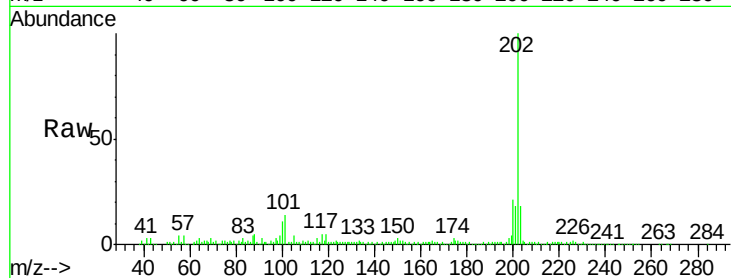
Delta R.T. 0.02 min

Lab File: BF083909.D

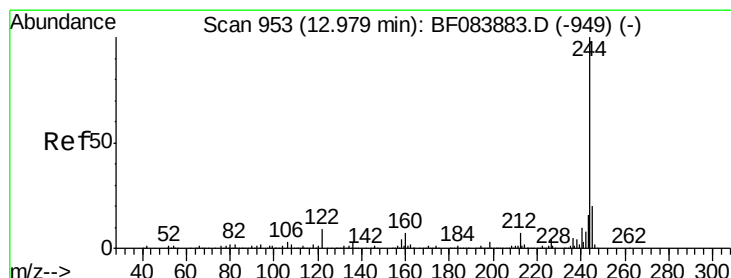
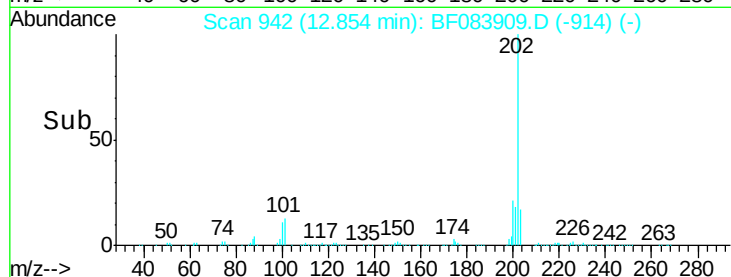
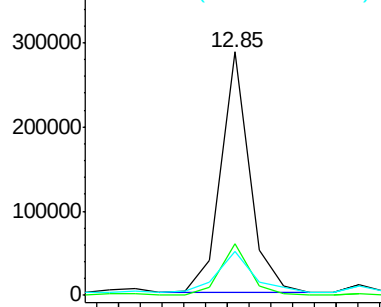
Acq: 18 Dec 2015 10:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	202	Resp:	260286
Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.2	25.8
203	18.2	14.3	21.5



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: 13.00 ng

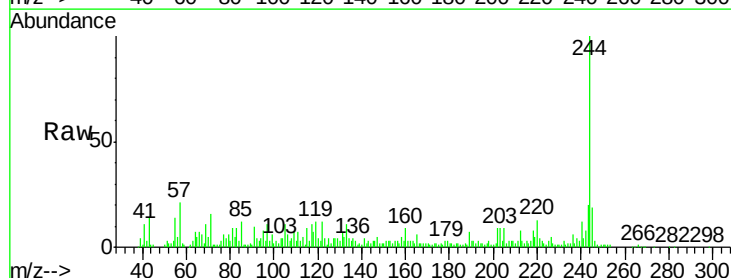
RT: 12.99 min Scan# 954

Delta R.T. 0.01 min

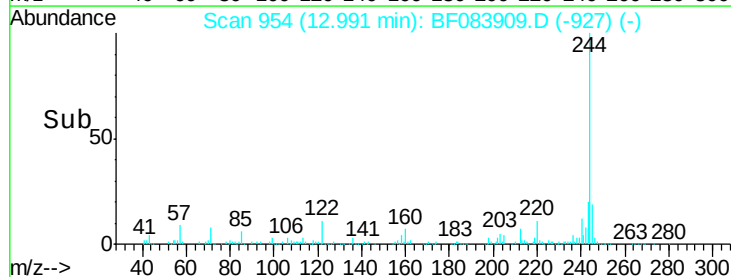
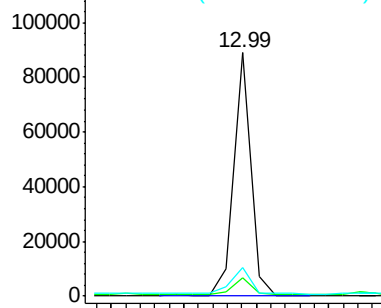
Lab File: BF083909.D

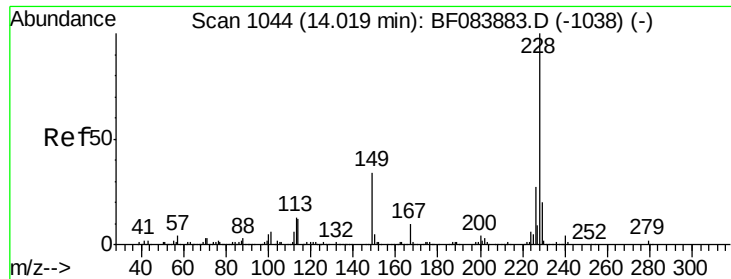
Acq: 18 Dec 2015 10:51

Tgt Ion:	244	Resp:	74011
Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.7	8.5
122	11.5	7.4	11.0#



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





#80

Benzo(a)anthracene

Concen: 25.73 ng

RT: 14.04 min Scan# 1046

Delta R.T. 0.02 min

Lab File: BF083909.D

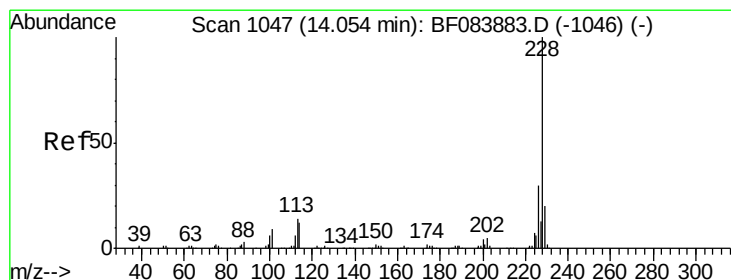
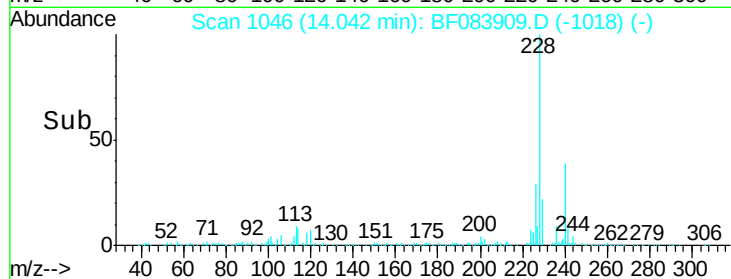
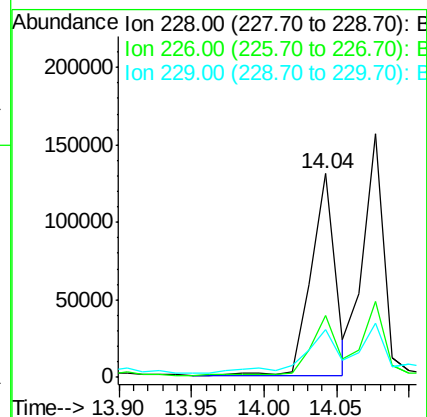
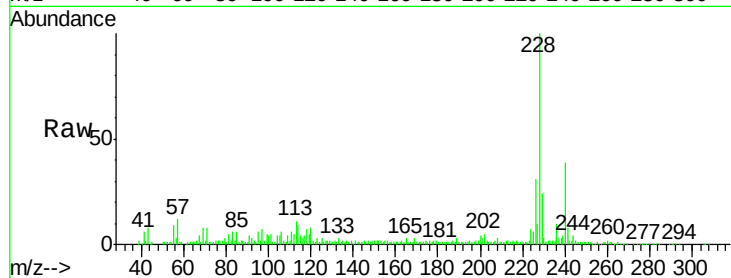
Acq: 18 Dec 2015 10:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:228	Resp:	149539
Ion	Ratio	Lower Upper
228	100	
226	30.6	21.8 32.6
229	23.7	15.8 23.8



#82

Chrysene

Concen: 27.54 ng

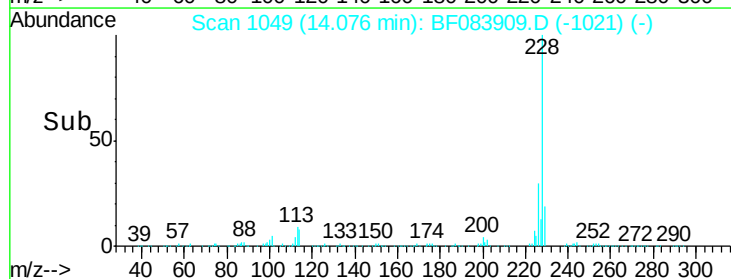
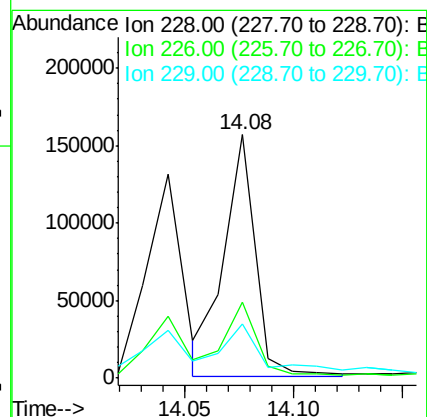
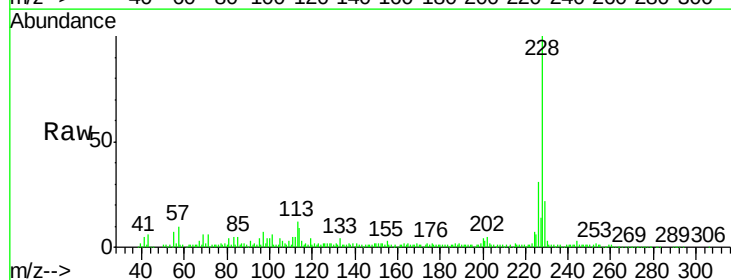
RT: 14.08 min Scan# 1049

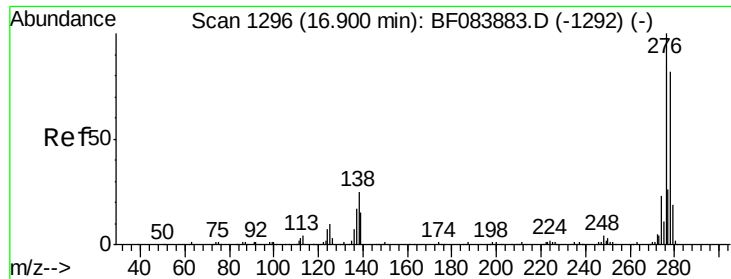
Delta R.T. 0.02 min

Lab File: BF083909.D

Acq: 18 Dec 2015 10:51

Tgt Ion:228	Resp:	154575
Ion	Ratio	Lower Upper
228	100	
226	31.1	24.3 36.5
229	22.2	16.1 24.1

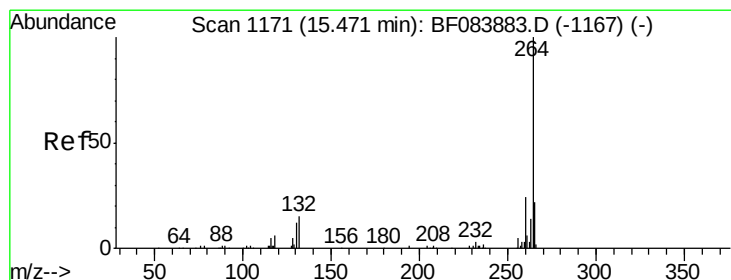
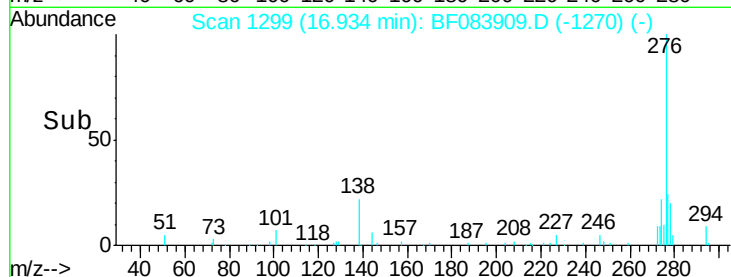
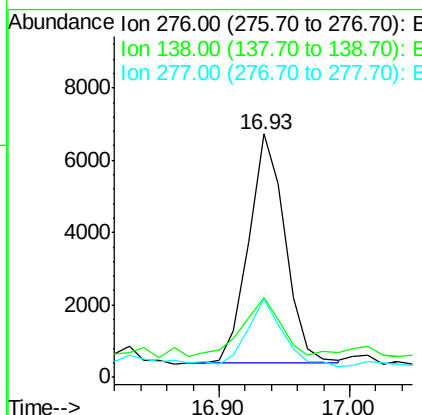
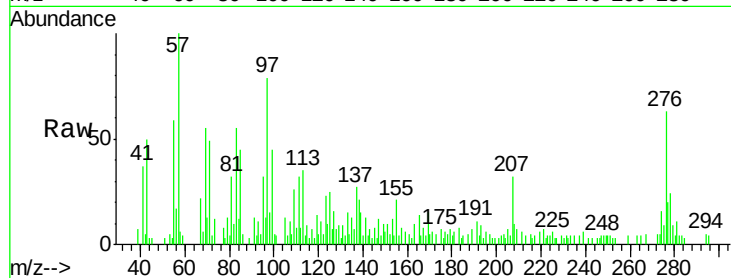




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.94 ng
RT: 16.93 min Scan# 1299
Delta R.T. 0.03 min
Lab File: BF083909.D
Acq: 18 Dec 2015 10:51

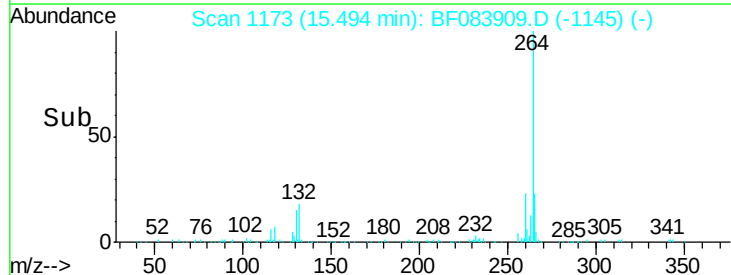
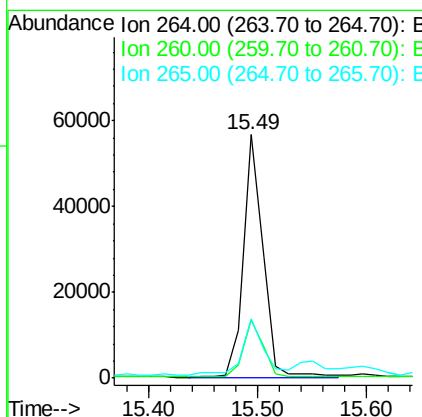
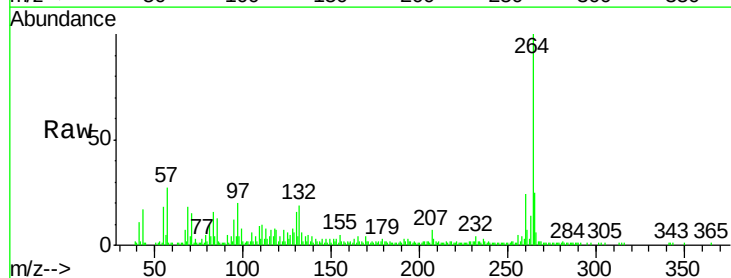
Instrument :
BNA_F
ClientSampleId :

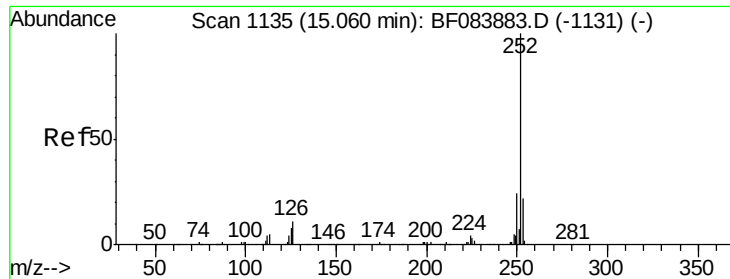
Tot Ion:276 Resp: 12322
Ion Ratio Lower Upper
276 100
138 28.1 20.6 30.8
277 28.1 20.1 30.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1173
Delta R.T. 0.02 min
Lab File: BF083909.D
Acq: 18 Dec 2015 10:51

Tgt Ion:264 Resp: 71686
Ion Ratio Lower Upper
264 100
260 23.9 19.4 29.2
265 24.6 17.8 26.6

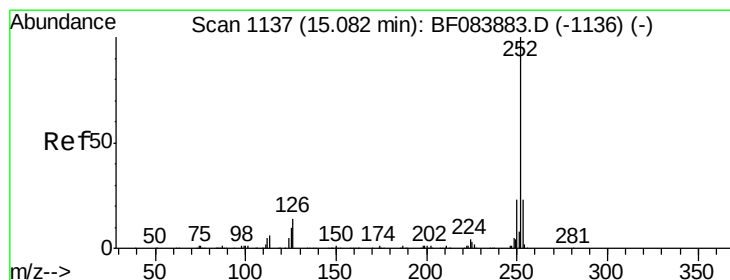
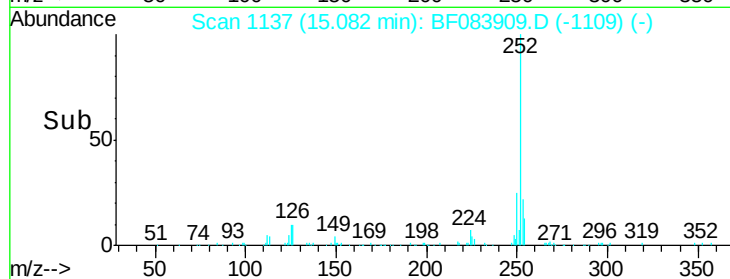
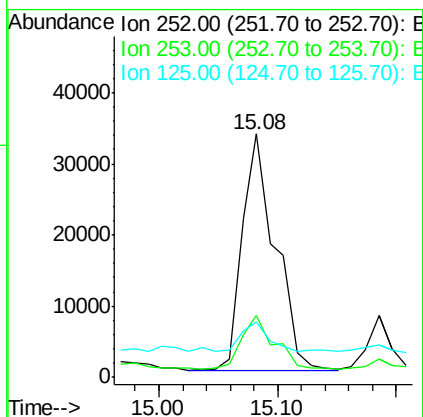
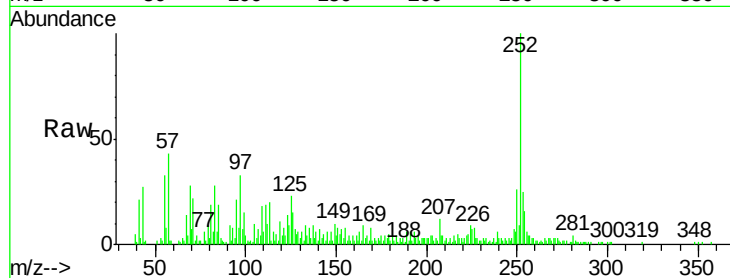




#87
Benzo(b)fluoranthene
Concen: 12.37 ng
RT: 15.08 min Scan# 1137
Delta R.T. 0.02 min
Lab File: BF083909.D
Acq: 18 Dec 2015 10:51

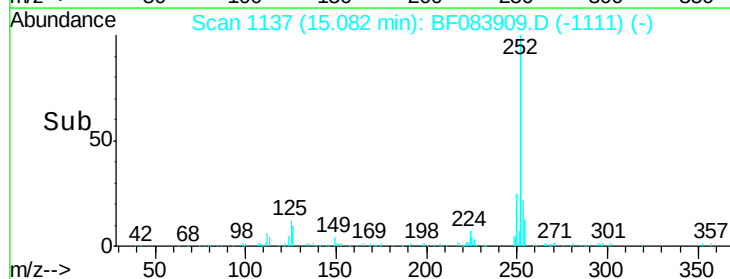
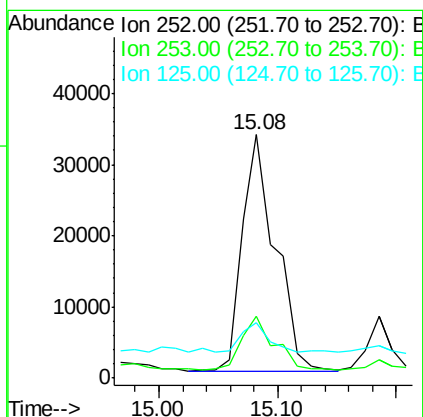
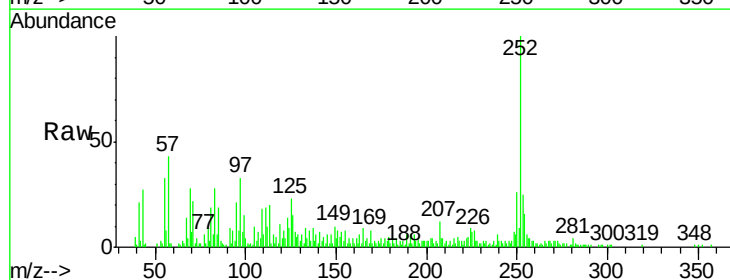
Instrument :
BNA_F
ClientSampleId :

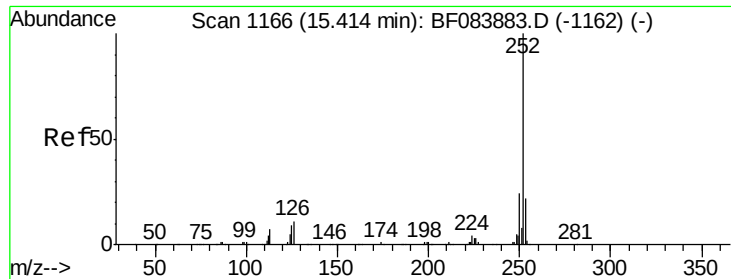
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.3	25.9
125	22.8	6.5	9.7#



#88
Benzo(k)fluoranthene
Concen: 15.00 ng
RT: 15.08 min Scan# 1137
Delta R.T. -0.00 min
Lab File: BF083909.D
Acq: 18 Dec 2015 10:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.1	27.1
125	22.8	9.0	13.6#

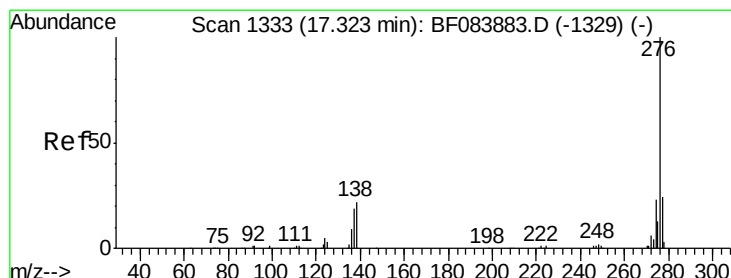
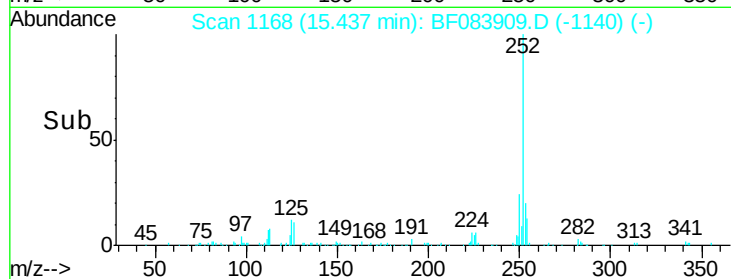
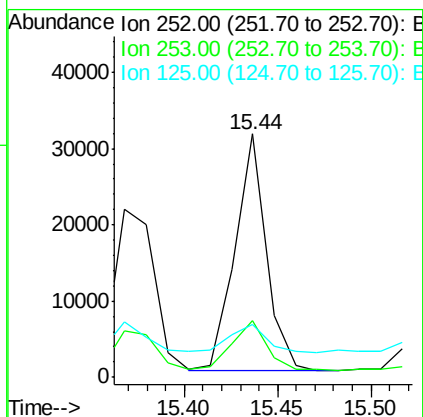
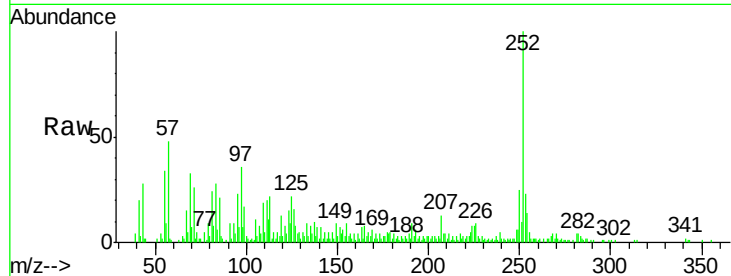




#89
Benzo(a)pyrene
Concen: 8.45 ng
RT: 15.44 min Scan# 1168
Delta R.T. 0.02 min
Lab File: BF083909.D
Acq: 18 Dec 2015 10:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 36466
Ion Ratio Lower Upper
252 100
253 23.2 17.3 25.9
125 21.8 7.0 10.4#



#91
Benzo(g,h,i)perylene
Concen: 4.54 ng
RT: 17.37 min Scan# 1337
Delta R.T. 0.05 min
Lab File: BF083909.D
Acq: 18 Dec 2015 10:51

Tgt Ion:276 Resp: 14932
Ion Ratio Lower Upper
276 100
277 28.7 18.8 28.2#
138 33.5 17.8 26.6#

