

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112015\
 Data File : BF083087.D
 Acq On : 20 Nov 2015 17:51
 Operator : UM/IZ
 Sample : G4426-05DL 10X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 20 22:34:30 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF111915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 01:33:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	152904	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	496569	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	255749	20.00	ng	0.01
63) Phenanthrene-d10	11.23	188	356548	20.00	ng	0.01
75) Chrysene-d12	13.85	240	397973	20.00	ng	-0.01
86) Perylene-d12	15.24	264	329536	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	122269	12.42	ng	0.00
7) Phenol-d6	6.35	99	204447	15.77	ng	0.00
23) Nitrobenzene-d5	7.26	82	181125	16.70	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	13395	4.93	ng	0.01
44) 2-Fluorobiphenyl	9.08	172	228661	12.04	ng	0.00
78) Terphenyl-d14	12.81	244	183266	10.87	ng	0.00

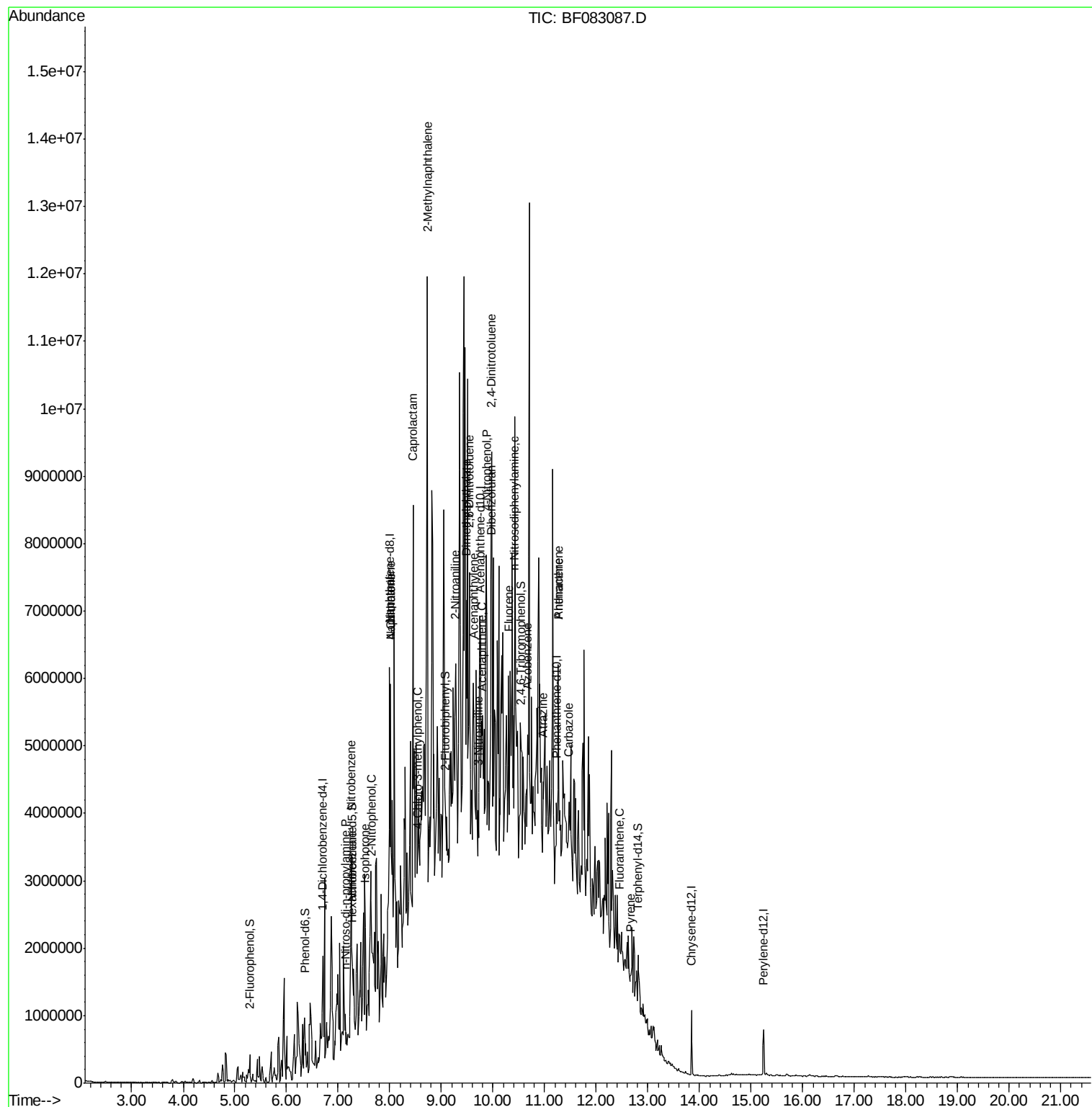
Target Compounds				Qvalue			
9) Benzaldehyde	6.22	77	4625	Below Cal	#	36	
18) Hexachloroethane	7.28	117	395162	86.37	ng	#	5
19) n-Nitroso-di-n-propylamine	7.14	70	31848	3.36	ng	#	67
24) Nitrobenzene	7.25	77	102432	9.36	ng	#	34
25) Isophorone	7.53	82	92724	4.53	ng	#	1
26) 2-Nitrophenol	7.64	139	12307	2.57	ng	#	1
31) Naphthalene	8.02	128	1682000	65.01	ng		97
33) 4-Chloroaniline	8.02	127	297304	26.42	ng	#	36
35) Caprolactam	8.45	113	144598	59.34	ng	#	36
36) 4-Chloro-3-methylphenol	8.53	107	30456	3.44	ng	#	38
37) 2-Methylnaphthalene	8.73	142	3291831	191.10	ng		97
47) 2-Nitroaniline	9.28	65	20349	3.15	ng	#	53
48) Acenaphthylene	9.62	152	82818	2.94	ng	#	1
49) Dimethylphthalate	9.48	163	101189	4.81	ng	#	2
50) 2,6-Dinitrotoluene	9.54	165	9606	2.12	ng	#	1
51) Acenaphthene	9.79	154	223160	12.53	ng	#	89
52) 3-Nitroaniline	9.71	138	13902	2.69	ng	#	26
54) Dibenzofuran	9.96	168	198503	8.32	ng	#	45
55) 4-Nitrophenol	9.87	139	153264	43.14	ng	#	58
56) 2,4-Dinitrotoluene	9.97	165	74413	12.25	ng	#	61
57) Fluorene	10.30	166	418752	21.81	ng	#	86
62) Azobenzene	10.67	77	52260	2.27	ng		72
65) n-Nitrosodiphenylamine	10.42	169	721978	57.79	ng	#	59
68) Atrazine	10.97	200	13608	3.48	ng	#	29
70) Phenanthrene	11.26	178	1238963	57.60	ng	#	95
71) Anthracene	11.26	178	1238963	57.17	ng		96
72) Carbazole	11.47	167	63355	3.34	ng	#	1
74) Fluoranthene	12.44	202	52137	2.33	ng		80
77) Pyrene	12.66	202	149129	5.32	ng	#	83

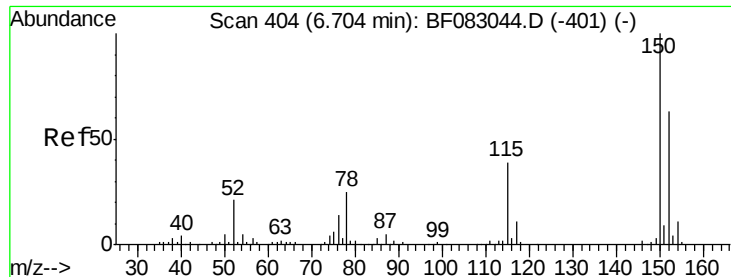
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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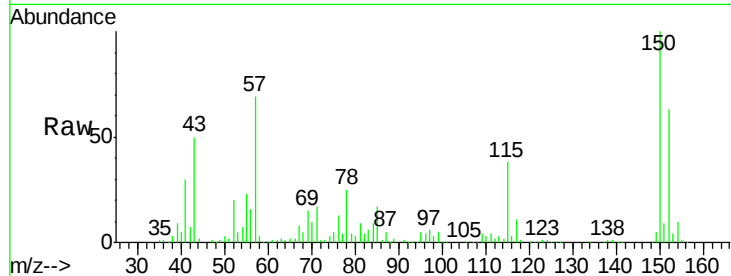


#1

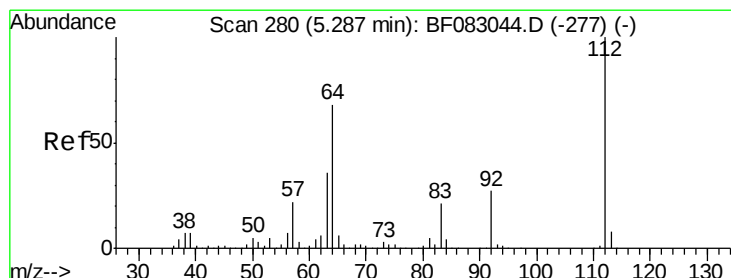
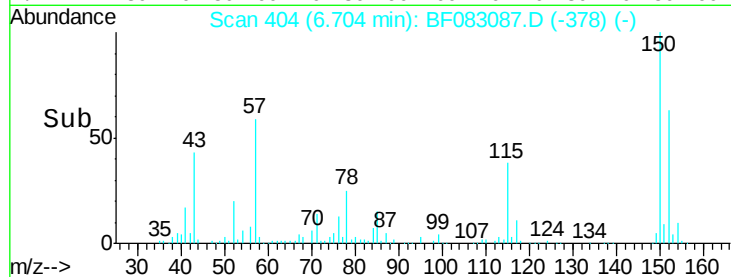
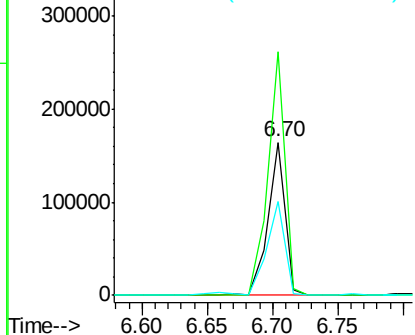
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 404
Delta R.T. 0.00 min
Lab File: BF083087.D
Acq: 20 Nov 2015 17:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 152904
Ion Ratio Lower Upper
152 100
150 159.1 126.4 189.6
115 61.1 49.0 73.6



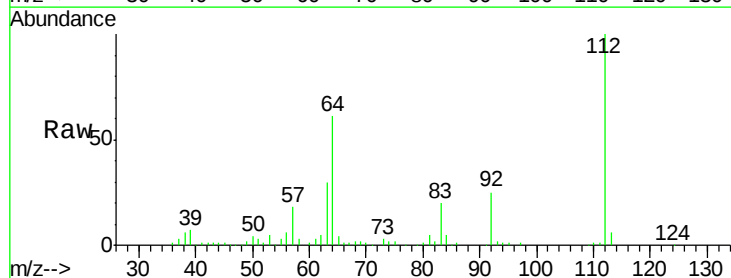
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



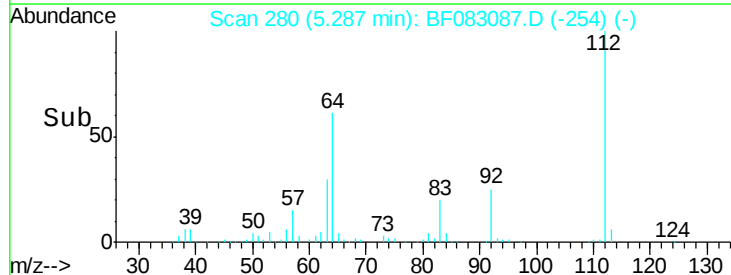
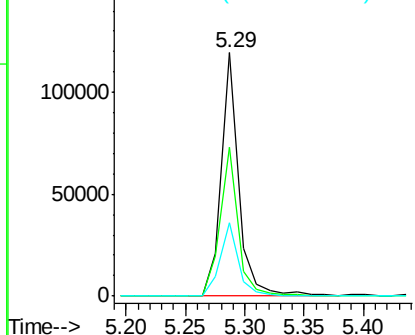
#5

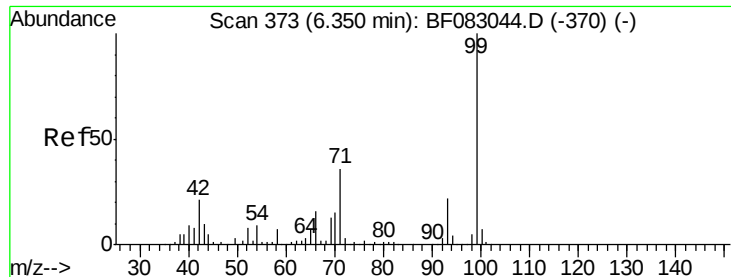
2-Fluorophenol
Concen: 12.42 ng
RT: 5.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: BF083087.D
Acq: 20 Nov 2015 17:51

Tgt Ion:112 Resp: 122269
Ion Ratio Lower Upper
112 100
64 60.9 54.8 82.2
63 30.4 29.0 43.4



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





#7

Phenol-d6

Concen: 15.77 ng

RT: 6.35 min Scan# 373

Delta R.T. 0.00 min

Lab File: BF083087.D

Acq: 20 Nov 2015 17:51

Instrument :

BNA_F

ClientSampleId :

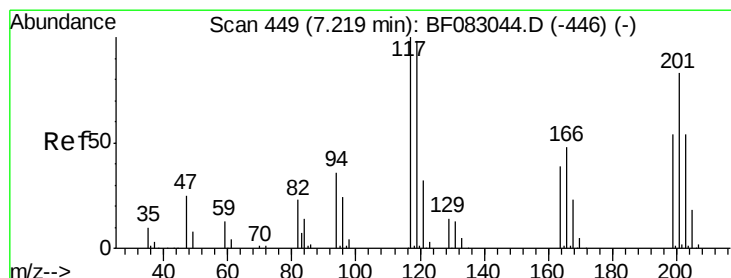
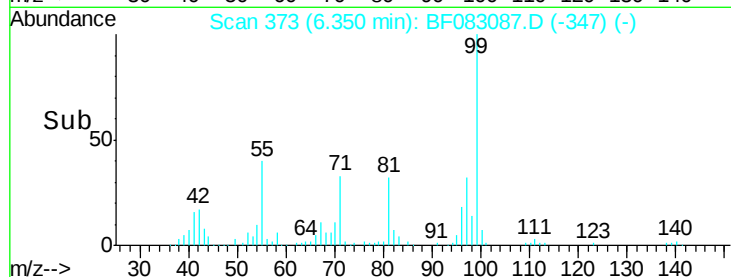
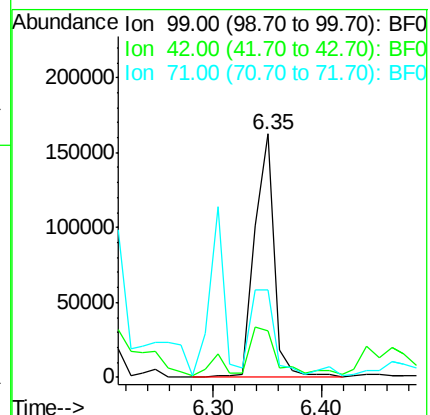
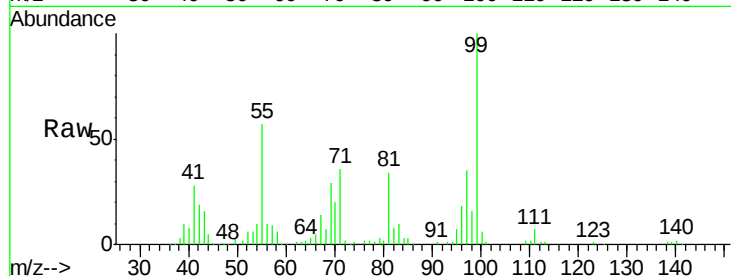
Tot Ion: 99 Resp: 204447

Ion Ratio Lower Upper

99 100

42 19.1 16.6 25.0

71 36.0 29.2 43.8



#18

Hexachloroethane

Concen: 86.37 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.06 min

Lab File: BF083087.D

Acq: 20 Nov 2015 17:51

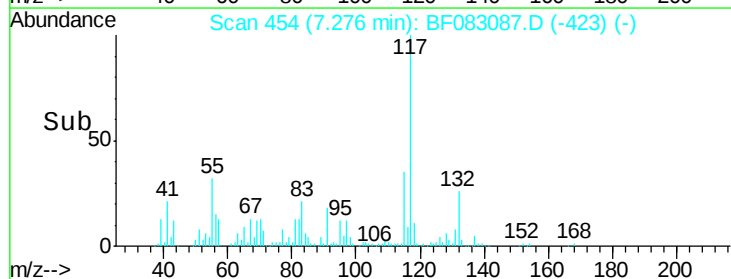
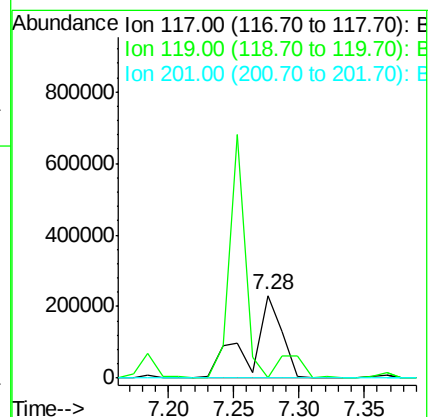
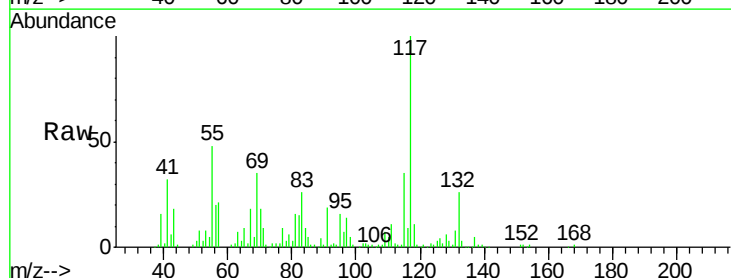
Tgt Ion: 117 Resp: 395162

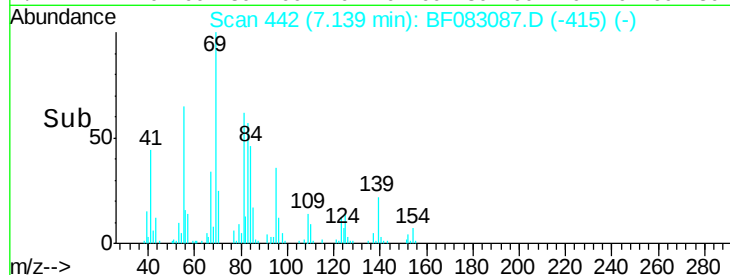
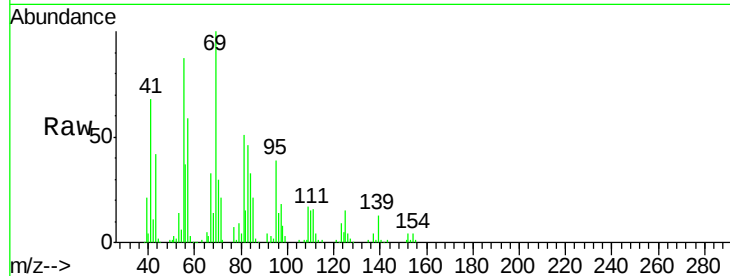
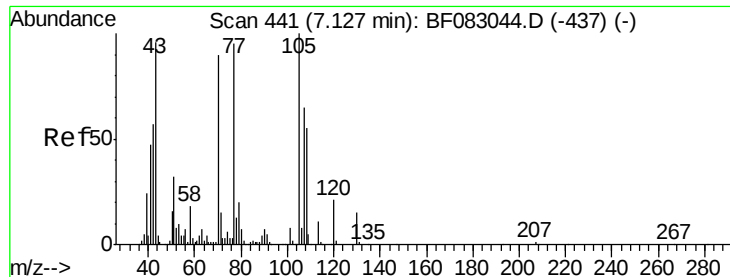
Ion Ratio Lower Upper

117 100

119 1.1 78.3 117.5#

201 0.0 66.5 99.7#

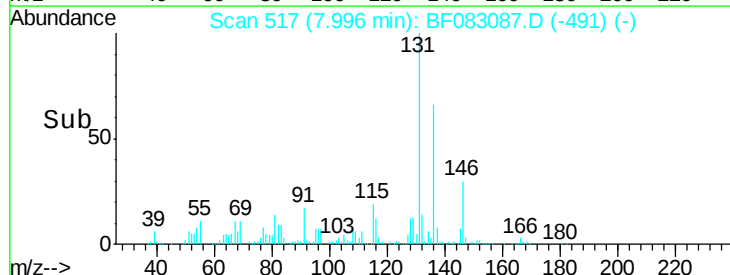
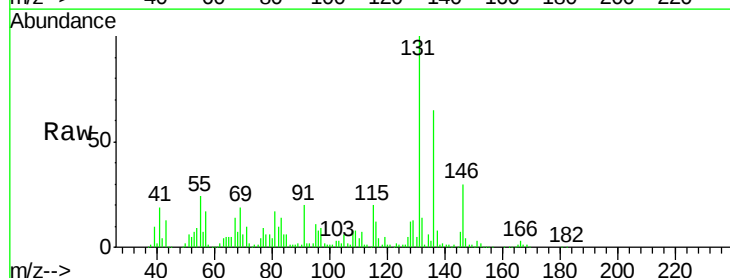
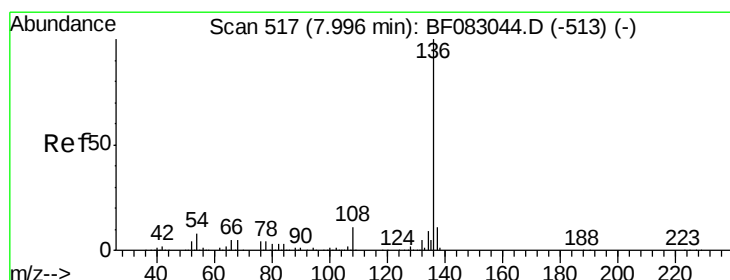
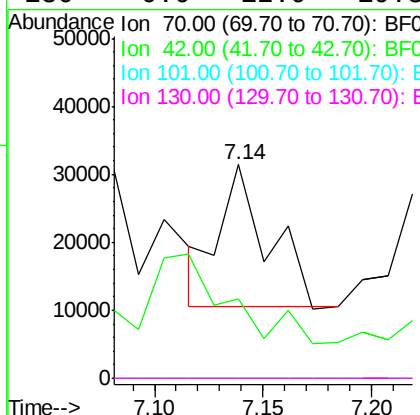




#19
n-Nitroso-di-n-propylamine
Concen: 3.36 ng
RT: 7.14 min Scan# 442
Delta R.T. 0.01 min
Lab File: BF083087.D
Acq: 20 Nov 2015 17:51

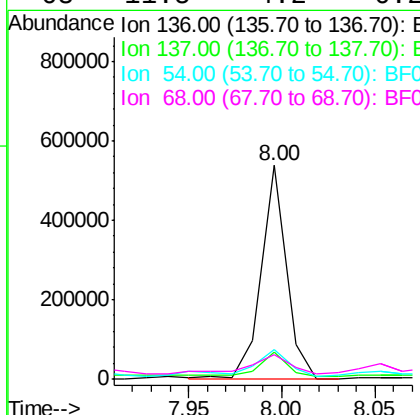
Instrument :
BNA_F
ClientSampleId :

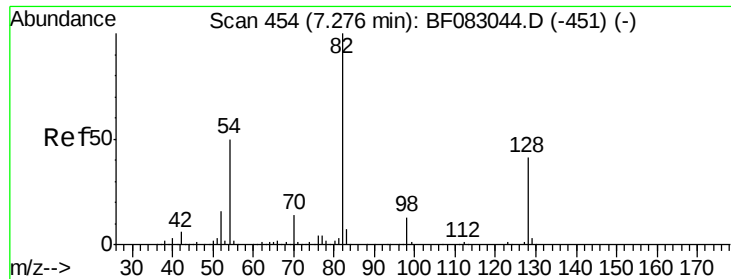
Tot Ion: 70 Resp: 31848
Ion Ratio Lower Upper
70 100
42 37.4 50.2 75.2#
101 0.0 6.8 10.2#
130 0.0 12.9 19.3#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 517
Delta R.T. 0.00 min
Lab File: BF083087.D
Acq: 20 Nov 2015 17:51

Tgt Ion: 136 Resp: 496569
Ion Ratio Lower Upper
136 100
137 12.4 8.6 12.8
54 13.5 6.2 9.2#
68 11.5 4.2 6.2#





#23

Nitrobenzene-d5

Concen: 16.70 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.01 min

Lab File: BF083087.D

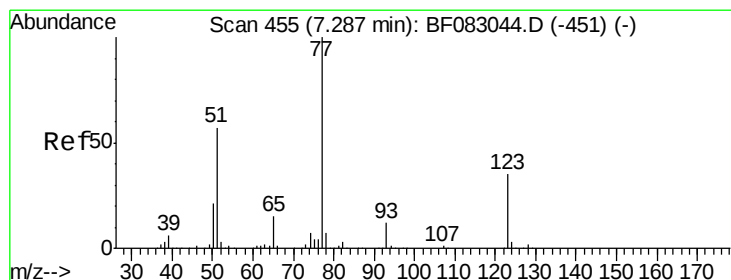
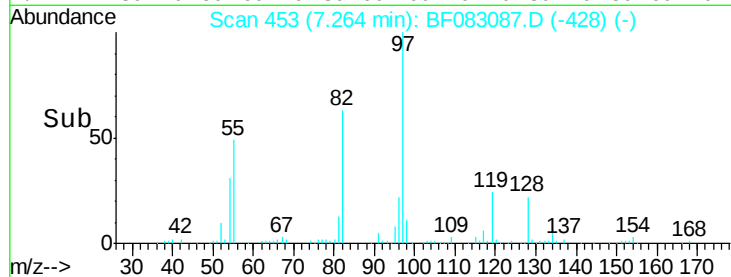
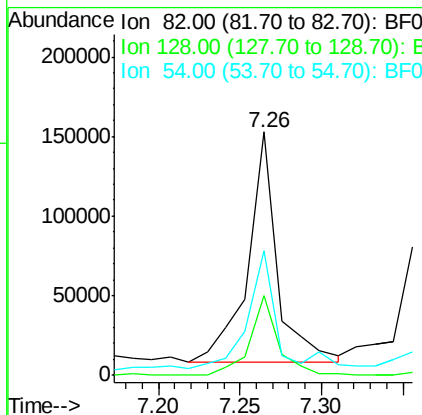
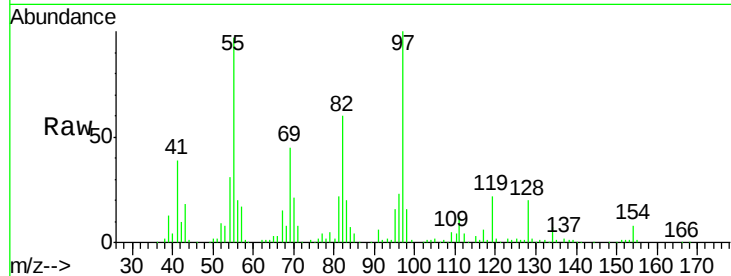
Acq: 20 Nov 2015 17:51

Instrument :

BNA_F

ClientSampled :

Tot Ion:	82	Resp:	181125
Ion	Ratio	Lower	Upper
82	100		
128	32.9	33.1	49.7#
54	51.4	39.8	59.6



#24

Nitrobenzene

Concen: 9.36 ng

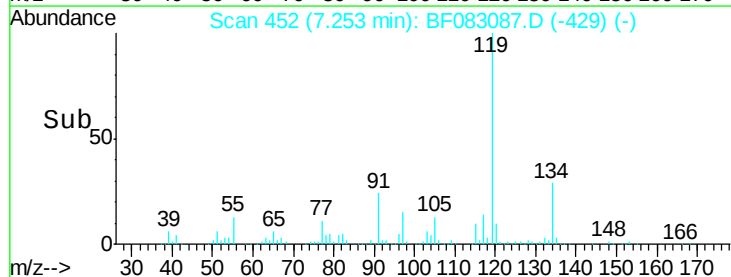
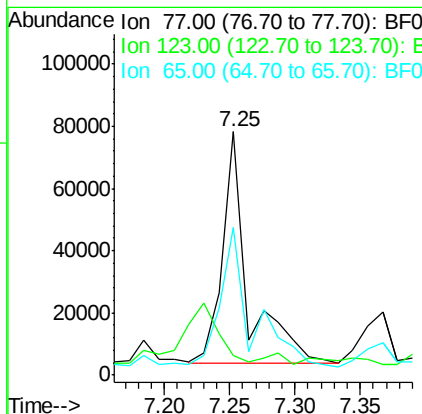
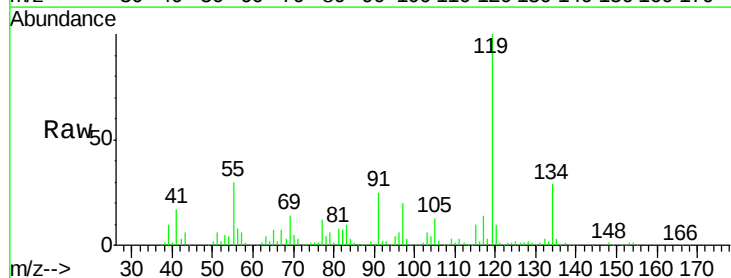
RT: 7.25 min Scan# 452

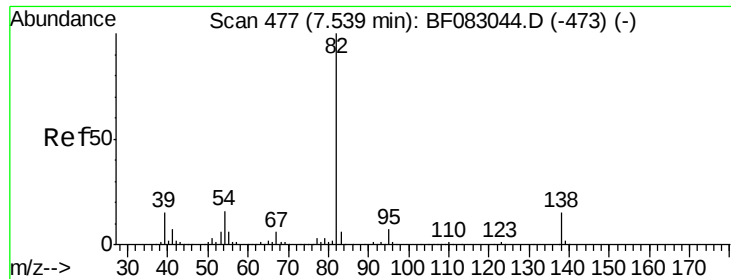
Delta R.T. -0.03 min

Lab File: BF083087.D

Acq: 20 Nov 2015 17:51

Tgt Ion:	77	Resp:	102432
Ion	Ratio	Lower	Upper
77	100		
123	7.8	28.2	42.4#
65	60.5	11.8	17.8#





#25

Isophorone

Concen: 4.53 ng

RT: 7.53 min Scan# 476

Delta R.T. -0.01 min

Lab File: BF083087.D

Acq: 20 Nov 2015 17:51

Instrument :

BNA_F

ClientSampleId :

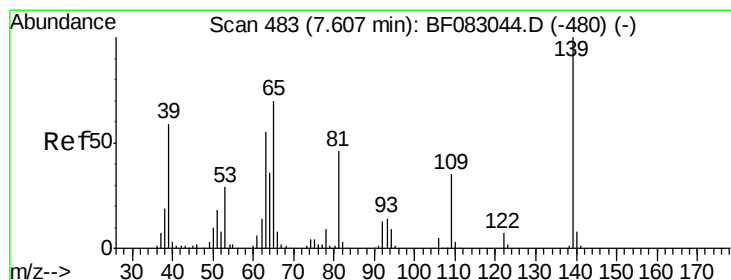
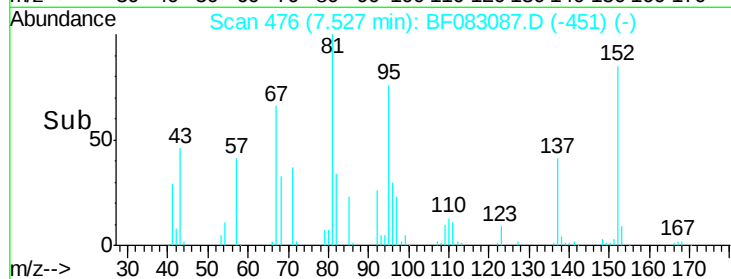
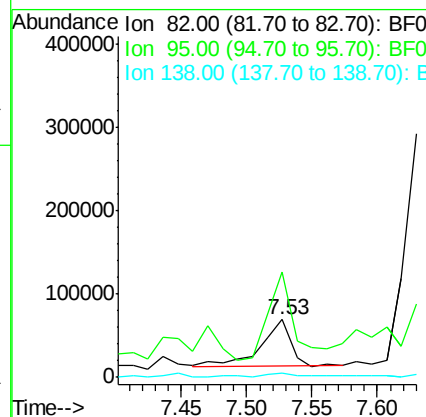
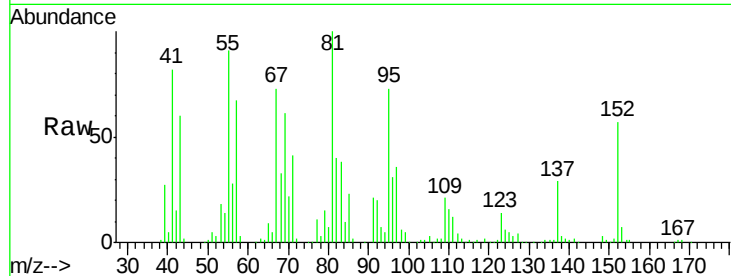
Tot Ion: 82 Resp: 92724

Ion Ratio Lower Upper

82 100

95 182.7 5.7 8.5#

138 7.5 12.2 18.4#



#26

2-Nitrophenol

Concen: 2.57 ng

RT: 7.64 min Scan# 486

Delta R.T. 0.03 min

Lab File: BF083087.D

Acq: 20 Nov 2015 17:51

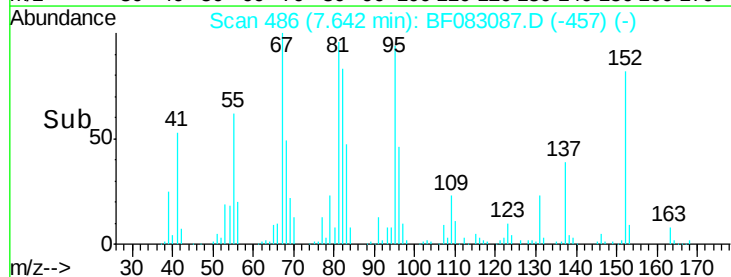
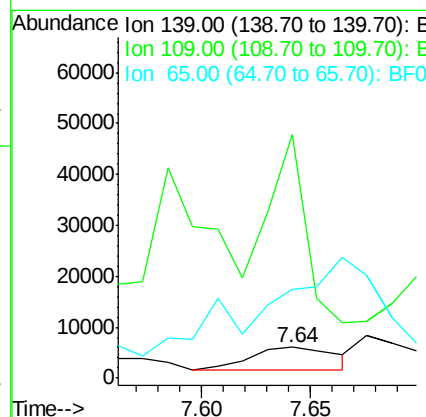
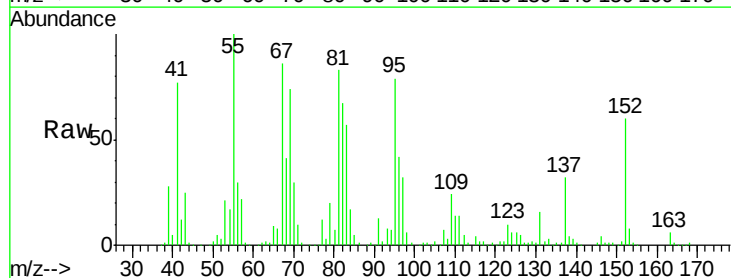
Tgt Ion: 139 Resp: 12307

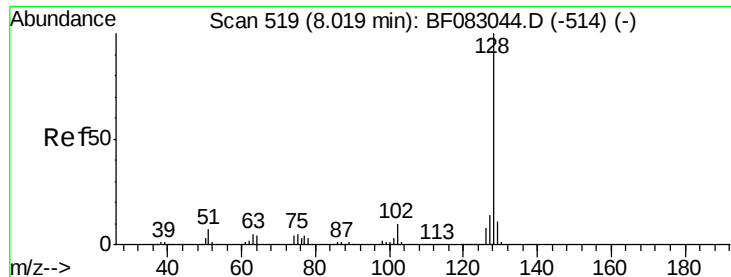
Ion Ratio Lower Upper

139 100

109 788.4 27.8 41.6#

65 289.1 56.4 84.6#

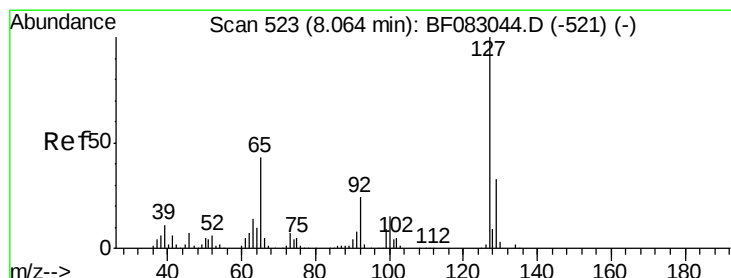
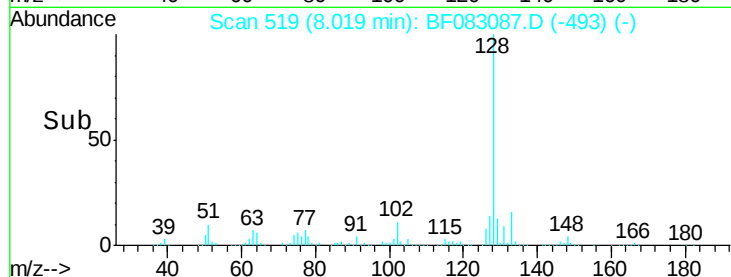
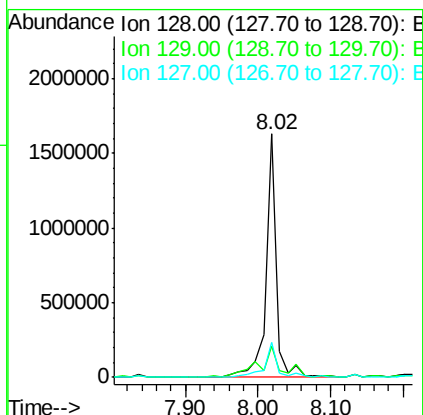
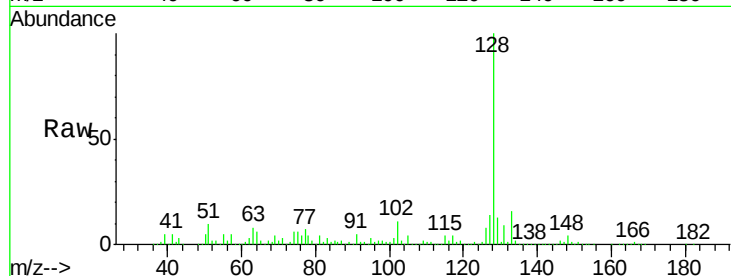




#31
Naphthalene
Concen: 65.01 ng
RT: 8.02 min Scan# 519
Delta R.T. 0.00 min
Lab File: BF083087.D
Acq: 20 Nov 2015 17:51

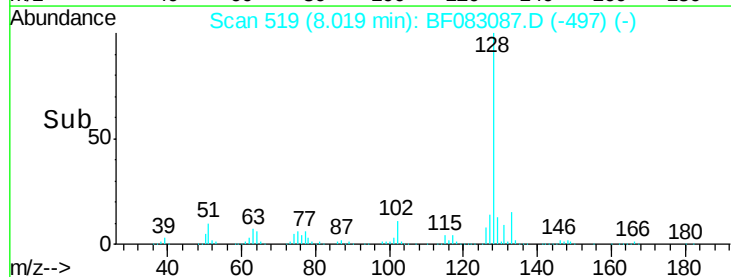
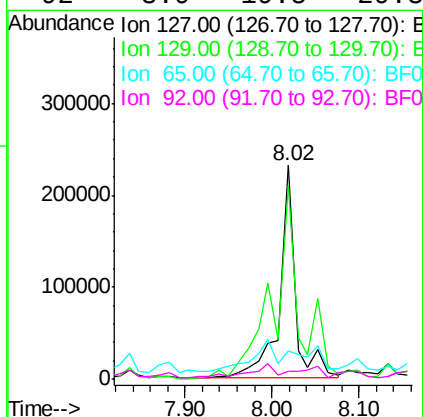
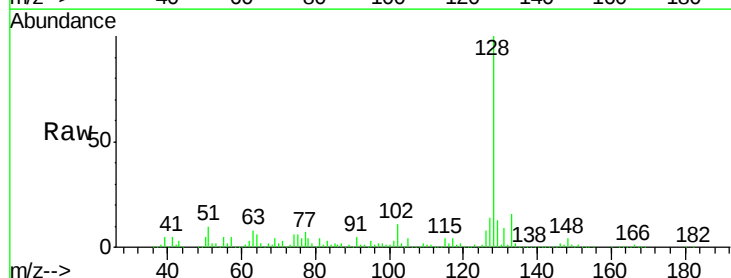
Instrument :
BNA_F
ClientSampleId :

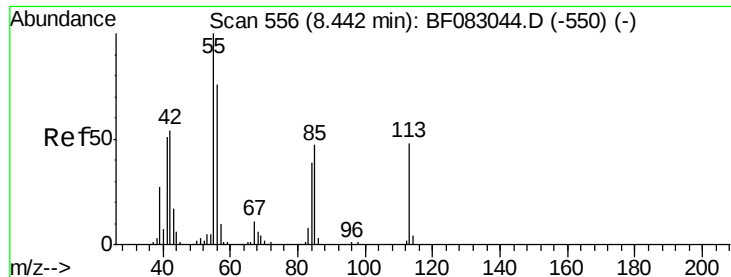
Tot Ion:128 Resp: 1682000
Ion Ratio Lower Upper
128 100
129 12.9 9.0 13.4
127 14.3 10.9 16.3



#33
4-Chloroaniline
Concen: 26.42 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.05 min
Lab File: BF083087.D
Acq: 20 Nov 2015 17:51

Tgt Ion:127 Resp: 297304
Ion Ratio Lower Upper
127 100
129 90.3 26.1 39.1#
65 13.0 34.4 51.6#
92 3.9 19.5 29.3#





#35

Caprolactam

Concen: 59.34 ng

RT: 8.45 min Scan# 557

Delta R.T. 0.01 min

Lab File: BF083087.D

Acq: 20 Nov 2015 17:51

Instrument :

BNA_F

ClientSampleId :

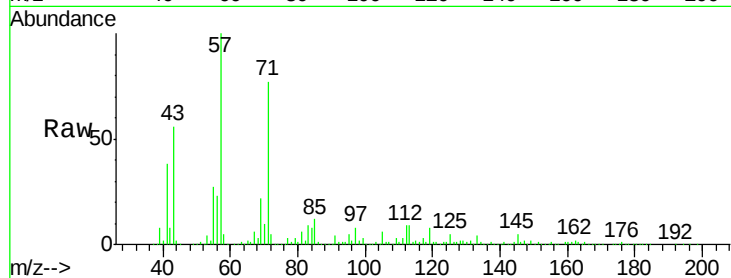
Tot Ion:113 Resp: 144598

Ion Ratio Lower Upper

113 100

55 296.3 189.1 229.1#

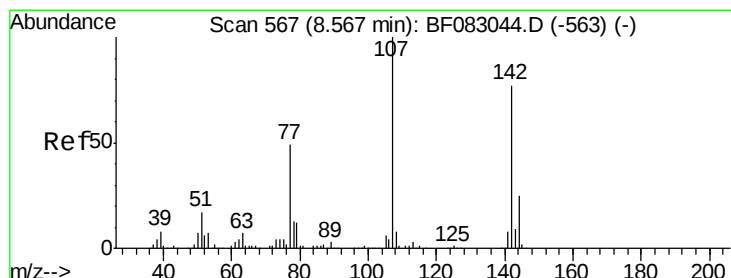
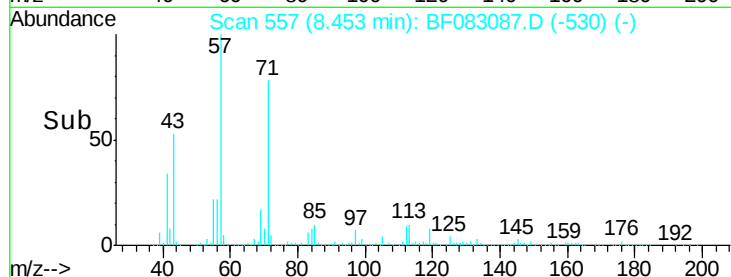
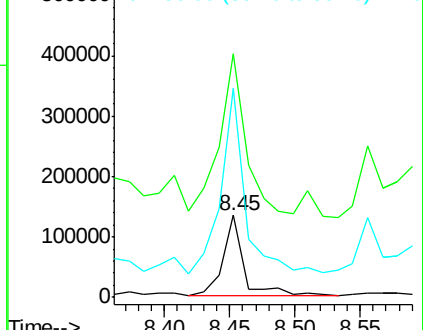
56 254.1 137.9 177.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 3.44 ng

RT: 8.53 min Scan# 564

Delta R.T. -0.03 min

Lab File: BF083087.D

Acq: 20 Nov 2015 17:51

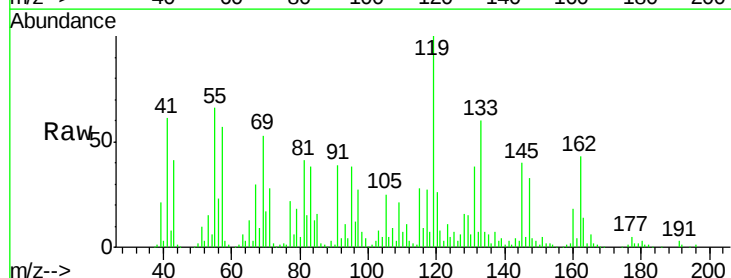
Tgt Ion:107 Resp: 30456

Ion Ratio Lower Upper

107 100

144 33.5 20.0 30.0#

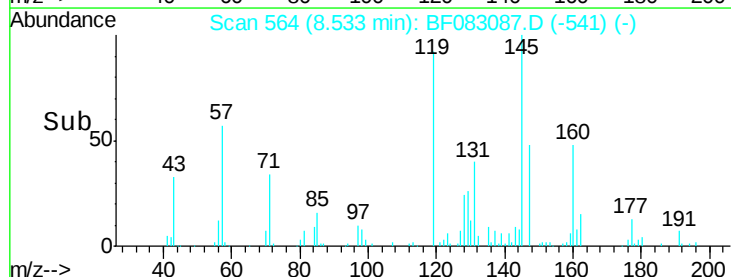
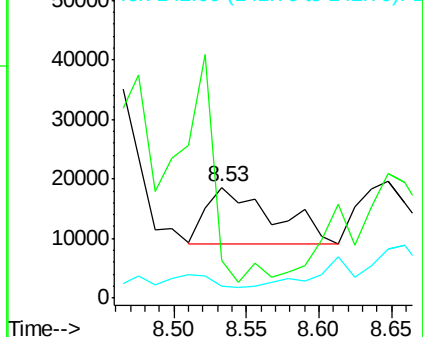
142 10.3 61.3 91.9#

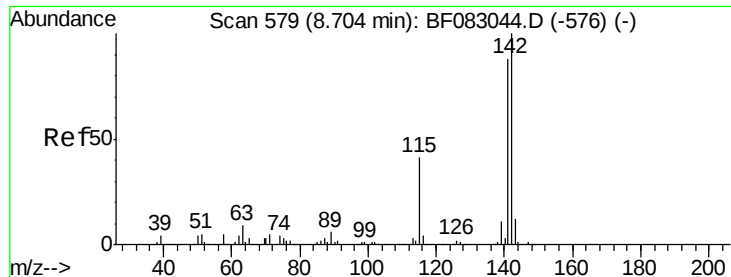


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

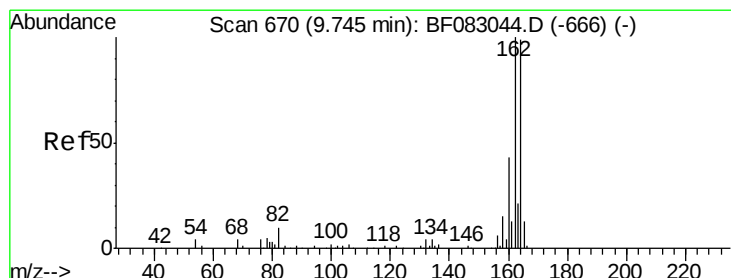
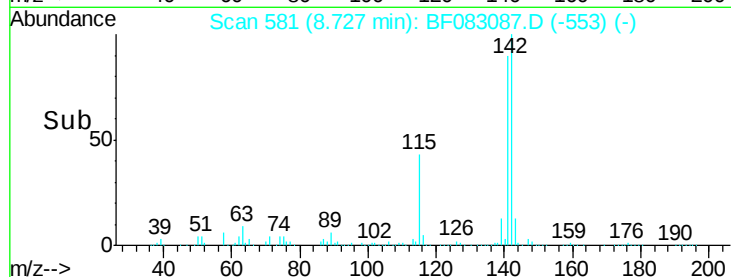
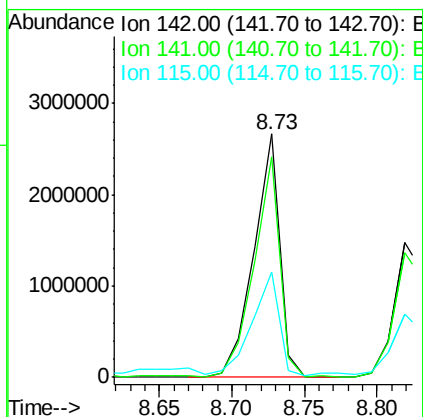
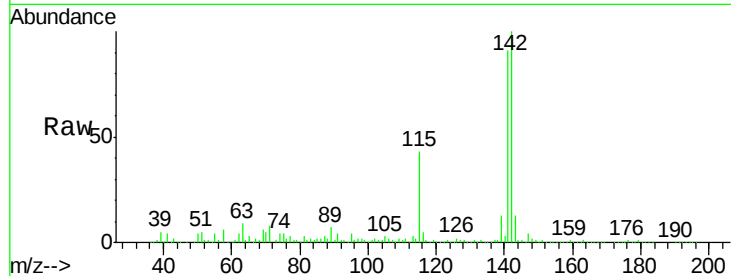




#37
2-Methylnaphthalene
Concen: 191.10 ng
RT: 8.73 min Scan# 581
Delta R.T. 0.02 min
Lab File: BF083087.D
Acq: 20 Nov 2015 17:51

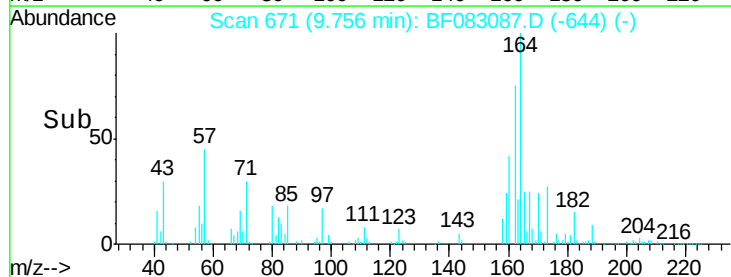
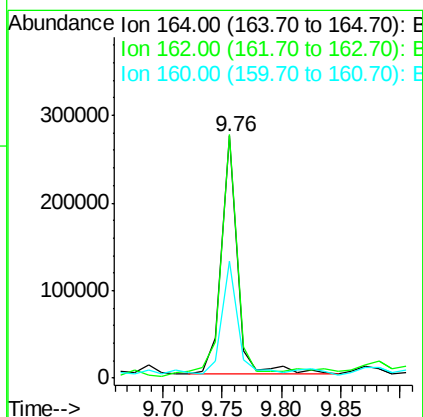
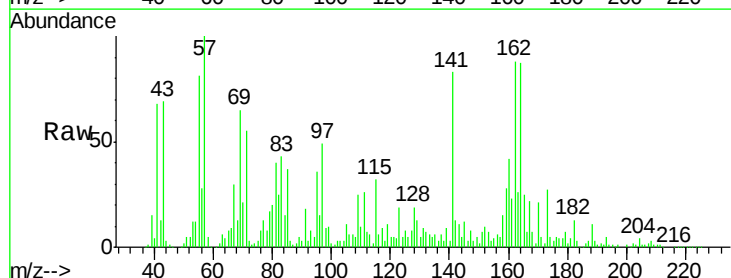
Instrument :
BNA_F
ClientSampleId :

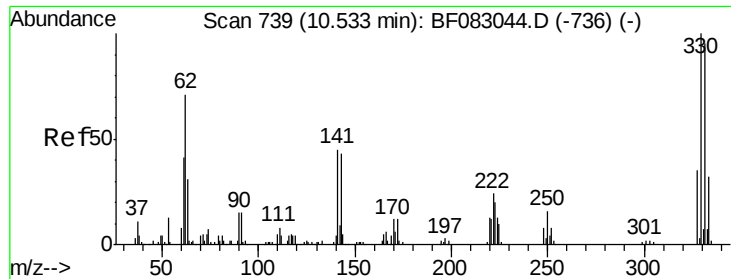
Tot Ion:142 Resp: 3291831
Ion Ratio Lower Upper
142 100
141 90.5 70.7 106.1
115 43.5 33.1 49.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.76 min Scan# 671
Delta R.T. 0.01 min
Lab File: BF083087.D
Acq: 20 Nov 2015 17:51

Tgt Ion:164 Resp: 255749
Ion Ratio Lower Upper
164 100
162 100.6 80.5 120.7
160 48.2 35.0 52.4

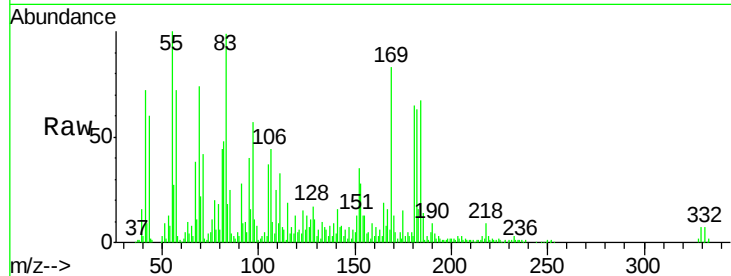




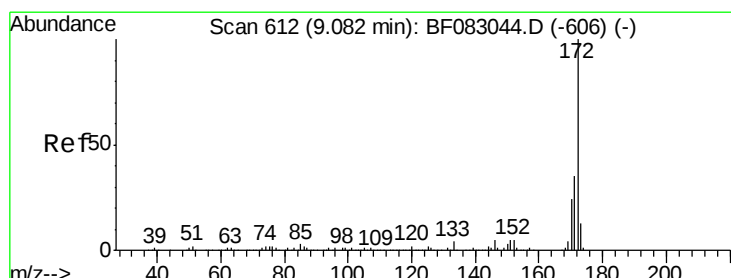
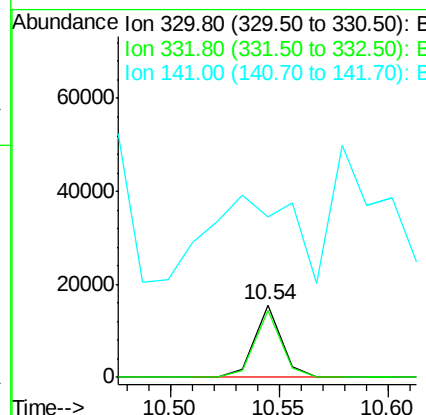
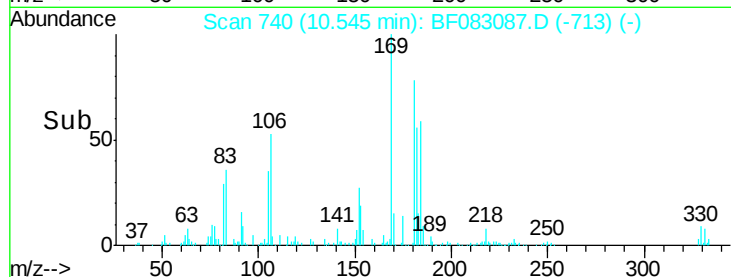
#41
 2,4,6-Tribromophenol
 Concen: 4.93 ng
 RT: 10.54 min Scan# 740
 Delta R.T. 0.01 min
 Lab File: BF083087.D
 Acq: 20 Nov 2015 17:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	91.4	77.6	116.4
141	371.0	34.6	52.0#

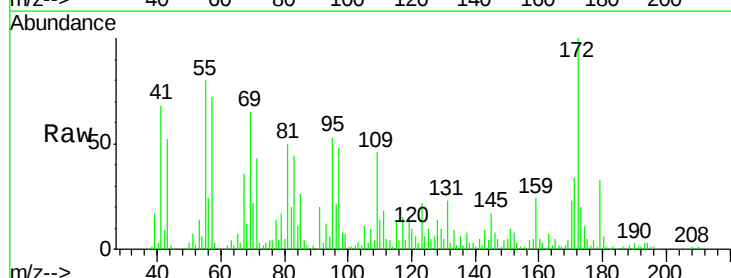


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

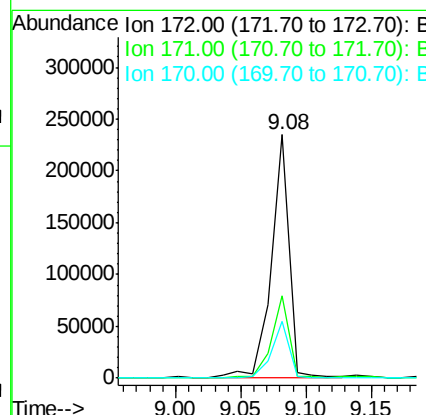
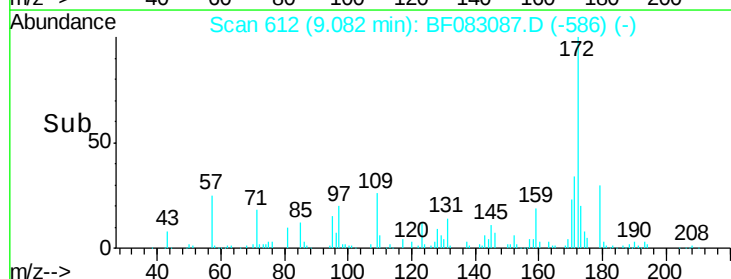


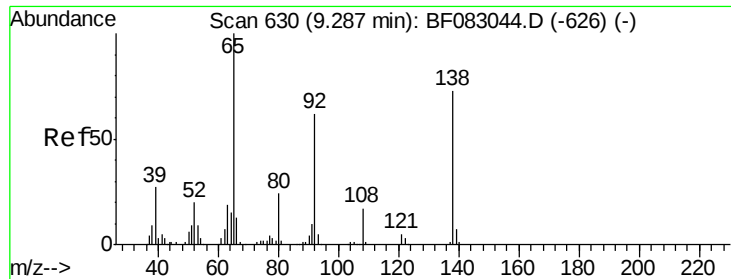
#44
 2-Fluorobiphenyl
 Concen: 12.04 ng
 RT: 9.08 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: BF083087.D
 Acq: 20 Nov 2015 17:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.2	42.4
170	23.3	19.4	29.0



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

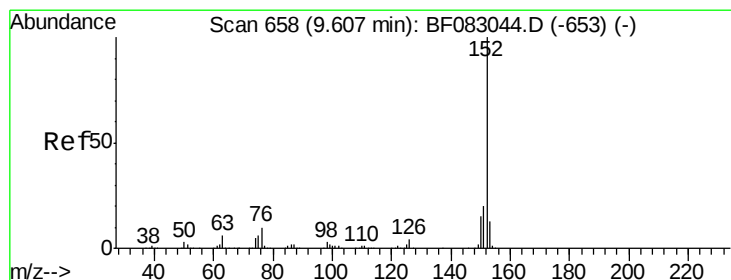
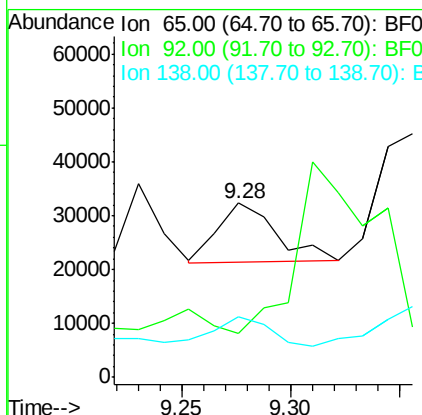
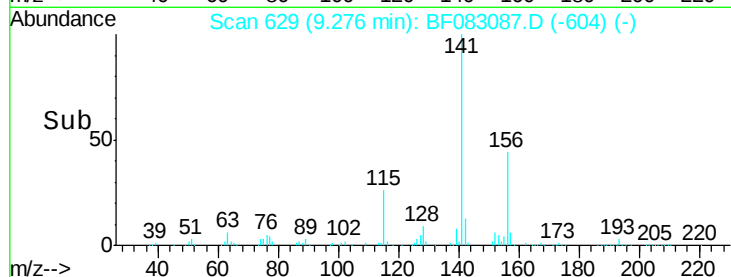
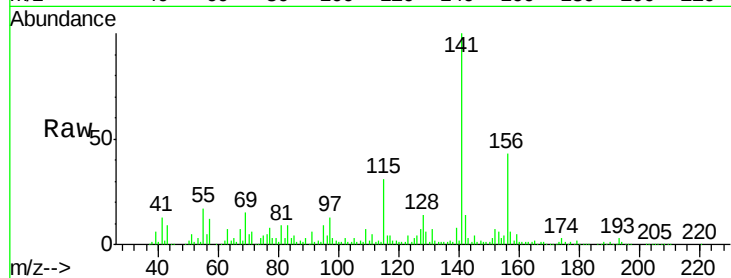




#47
2-Nitroaniline
Concen: 3.15 ng
RT: 9.28 min Scan# 629
Delta R.T. -0.01 min
Lab File: BF083087.D
Acq: 20 Nov 2015 17:51

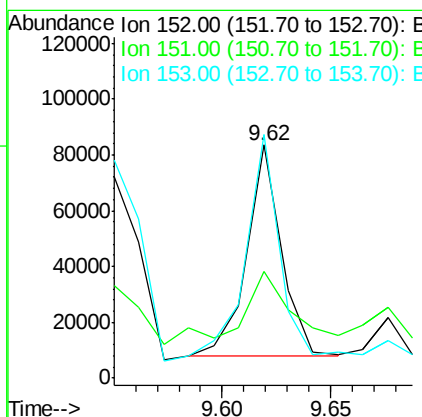
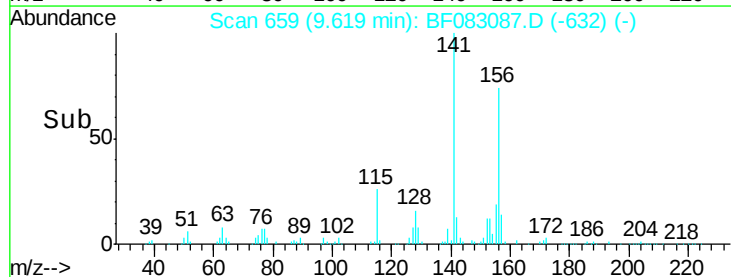
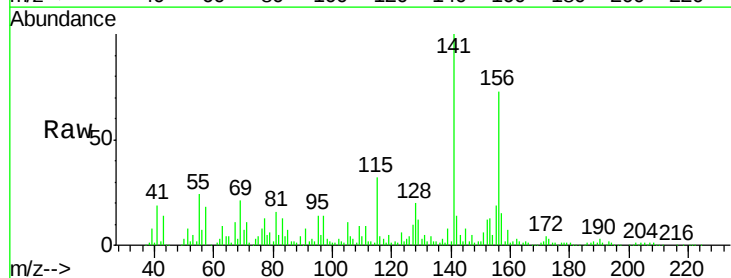
Instrument :
BNA_F
ClientSampled :

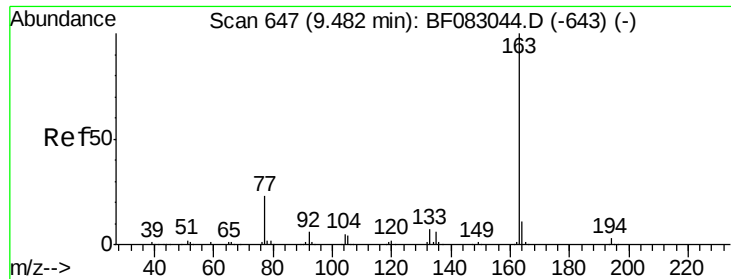
Tot Ion: 65 Resp: 20349
Ion Ratio Lower Upper
65 100
92 24.9 49.6 74.4#
138 35.0 58.8 88.2#



#48
Acenaphthylene
Concen: 2.94 ng
RT: 9.62 min Scan# 659
Delta R.T. 0.01 min
Lab File: BF083087.D
Acq: 20 Nov 2015 17:51

Tgt Ion: 152 Resp: 82818
Ion Ratio Lower Upper
152 100
151 45.6 16.2 24.2#
153 104.6 10.6 15.8#

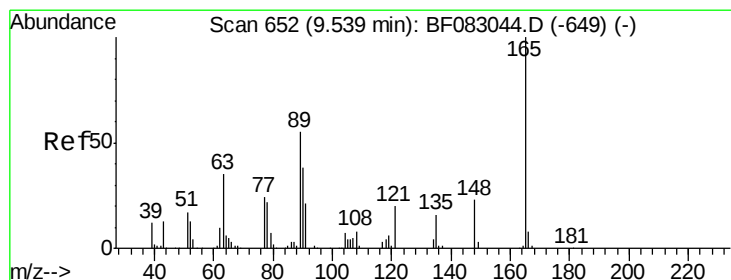
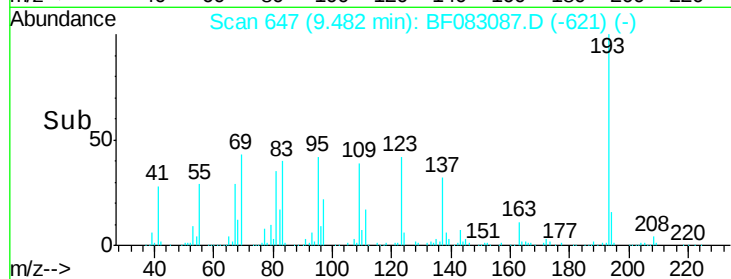
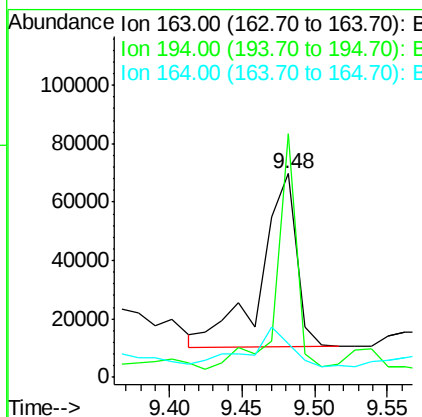
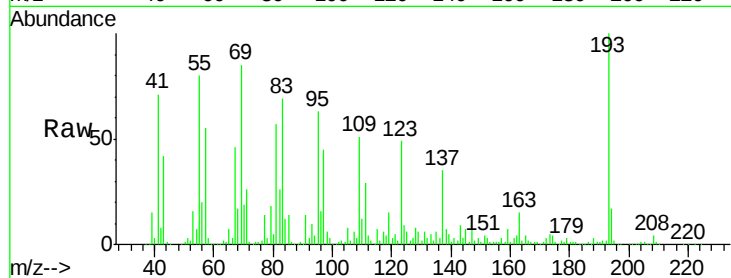




#49
Dimethylphthalate
Concen: 4.81 ng
RT: 9.48 min Scan# 647
Delta R.T. 0.00 min
Lab File: BF083087.D
Acq: 20 Nov 2015 17:51

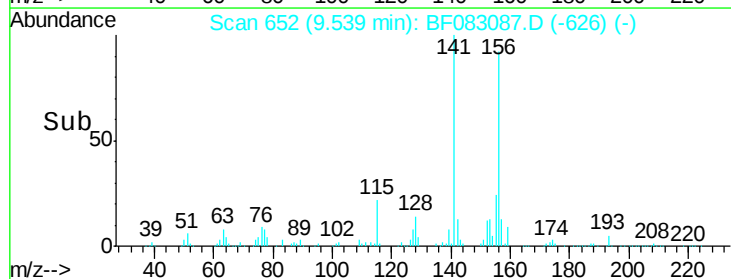
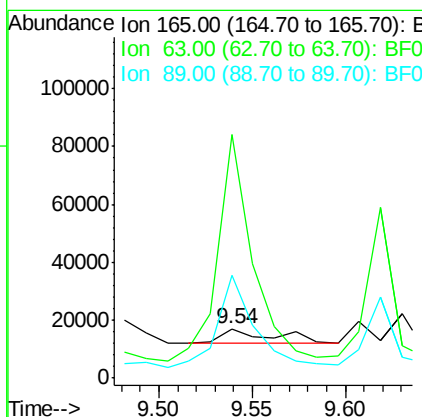
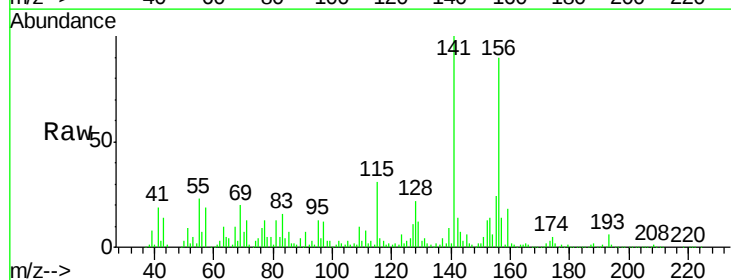
Instrument :
BNA_F
ClientSampleId :

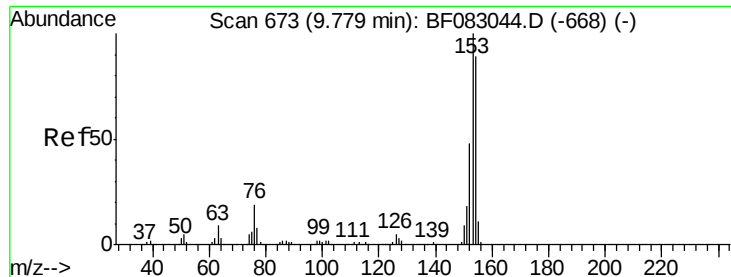
Tot Ion:163 Resp: 101189
Ion Ratio Lower Upper
163 100
194 119.7 2.7 4.1#
164 16.6 8.5 12.7#



#50
2,6-Dinitrotoluene
Concen: 2.12 ng
RT: 9.54 min Scan# 652
Delta R.T. 0.00 min
Lab File: BF083087.D
Acq: 20 Nov 2015 17:51

Tgt Ion:165 Resp: 9606
Ion Ratio Lower Upper
165 100
63 494.3 40.6 61.0#
89 207.9 44.5 66.7#





#51

Acenaphthene

Concen: 12.53 ng

RT: 9.79 min Scan# 674

Delta R.T. 0.01 min

Lab File: BF083087.D

Acq: 20 Nov 2015 17:51

Instrument :

BNA_F

ClientSampleId :

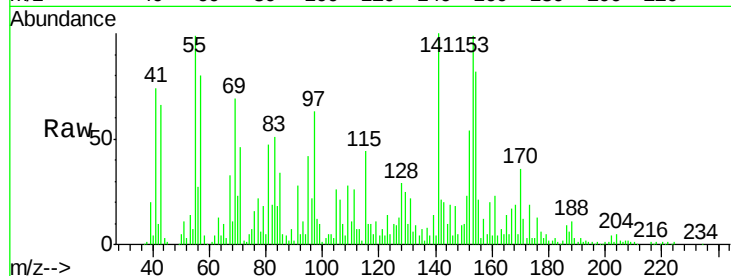
Tot Ion:154 Resp: 223160

Ion Ratio Lower Upper

154 100

153 120.9 90.1 135.1

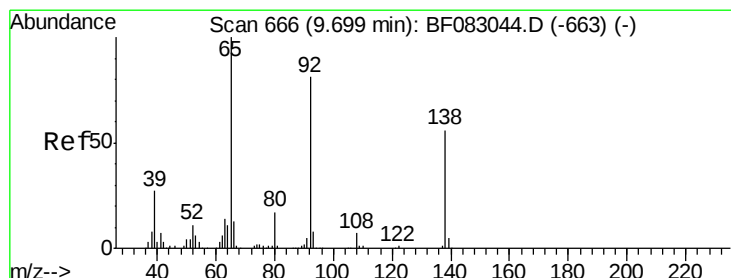
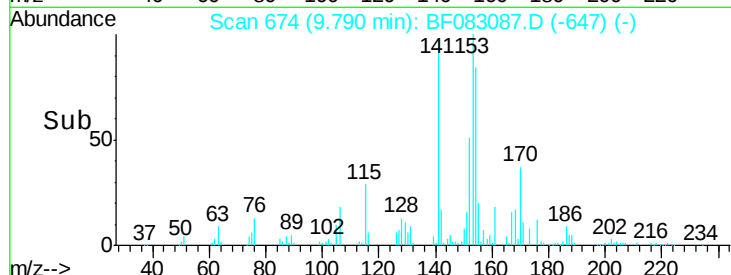
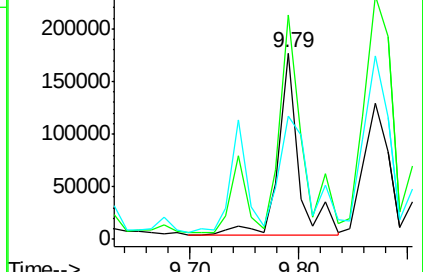
152 66.1 43.3 64.9#



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



#52

3-Nitroaniline

Concen: 2.69 ng

RT: 9.71 min Scan# 667

Delta R.T. 0.01 min

Lab File: BF083087.D

Acq: 20 Nov 2015 17:51

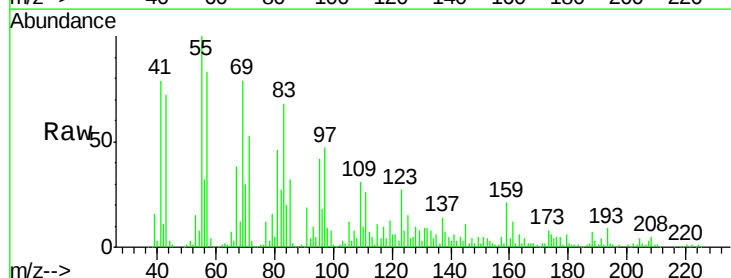
Tgt Ion:138 Resp: 13902

Ion Ratio Lower Upper

138 100

108 62.7 9.4 14.0#

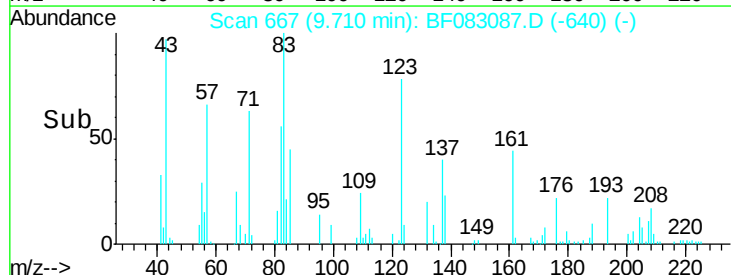
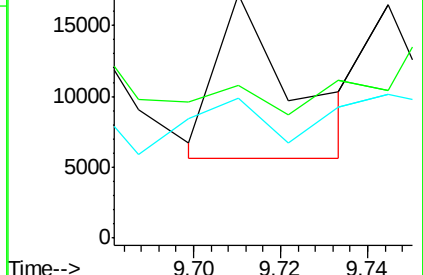
92 57.7 115.2 172.8#

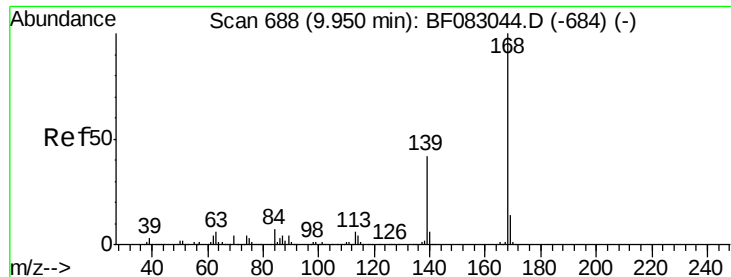


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

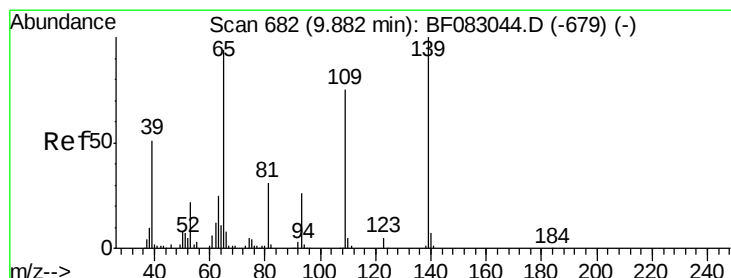
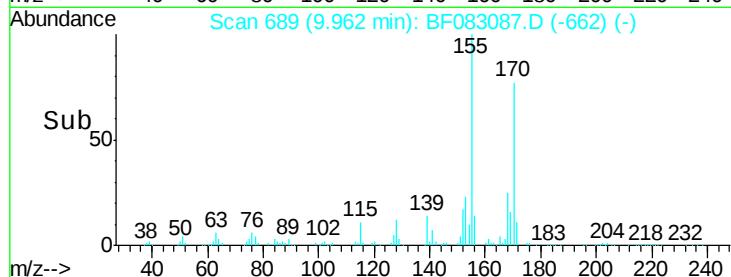
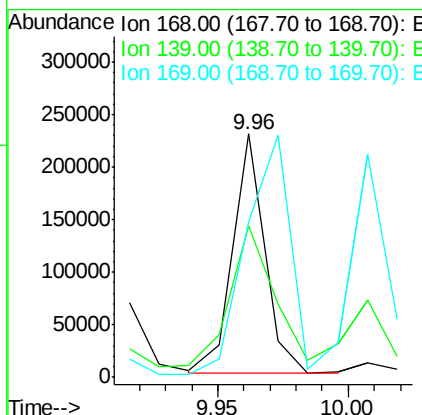
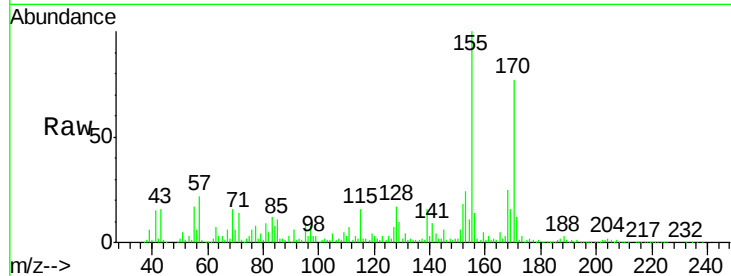




#54
Dibenzofuran
Concen: 8.32 ng
RT: 9.96 min Scan# 689
Delta R.T. 0.01 min
Lab File: BF083087.D
Acq: 20 Nov 2015 17:51

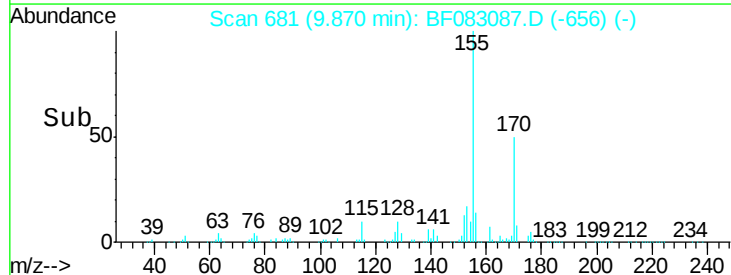
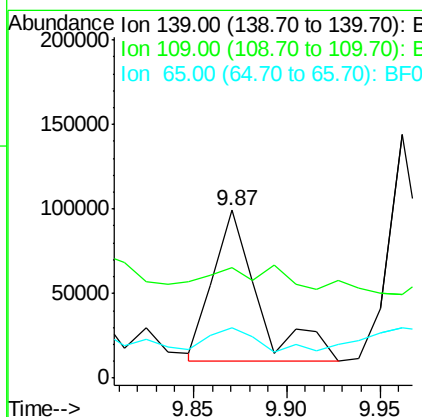
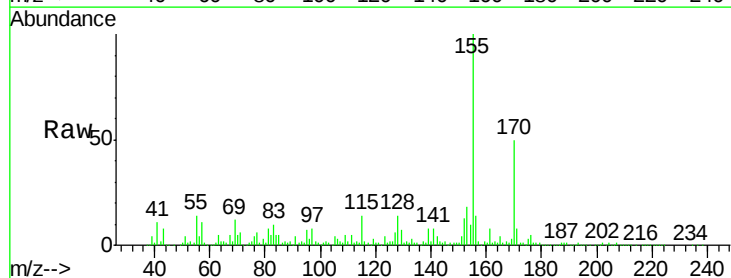
Instrument :
BNA_F
ClientSampleId :

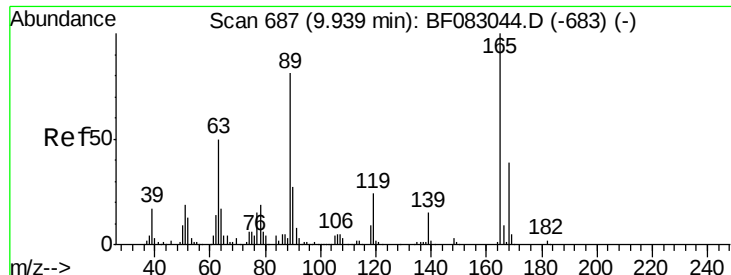
Tot Ion:168 Resp: 198503
Ion Ratio Lower Upper
168 100
139 62.2 33.5 50.3#
169 63.7 11.2 16.8#



#55
4-Nitrophenol
Concen: 43.14 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.01 min
Lab File: BF083087.D
Acq: 20 Nov 2015 17:51

Tgt Ion:139 Resp: 153264
Ion Ratio Lower Upper
139 100
109 65.5 54.6 94.6
65 30.3 74.4 114.4#

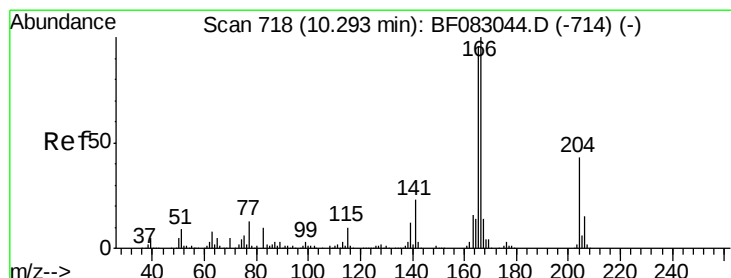
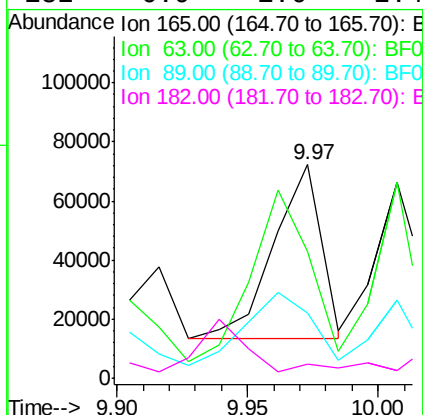
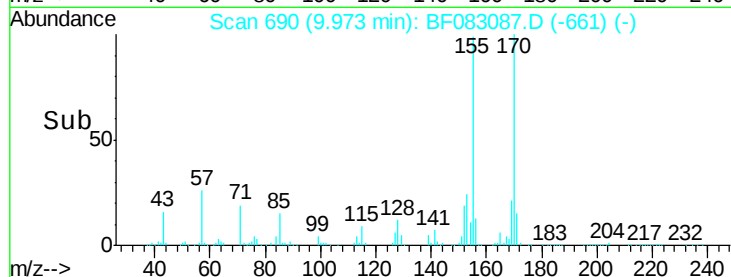
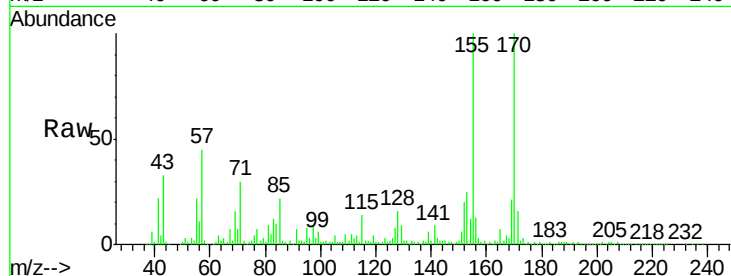




#56
2,4-Dinitrotoluene
Concen: 12.25 ng
RT: 9.97 min Scan# 690
Delta R.T. 0.03 min
Lab File: BF083087.D
Acq: 20 Nov 2015 17:51

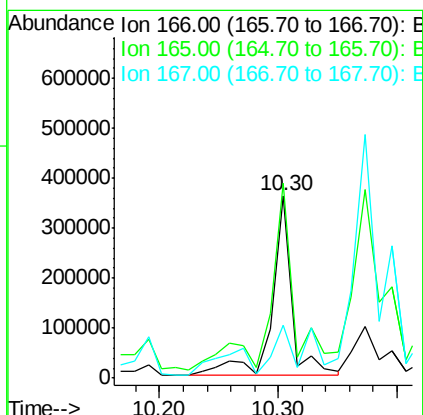
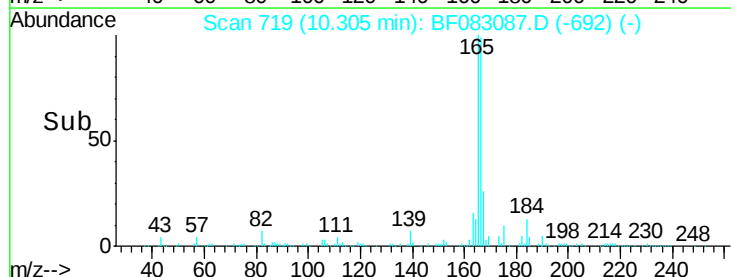
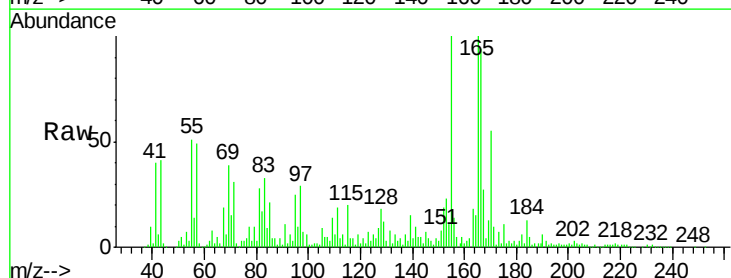
Instrument :
BNA_F
ClientSampled :

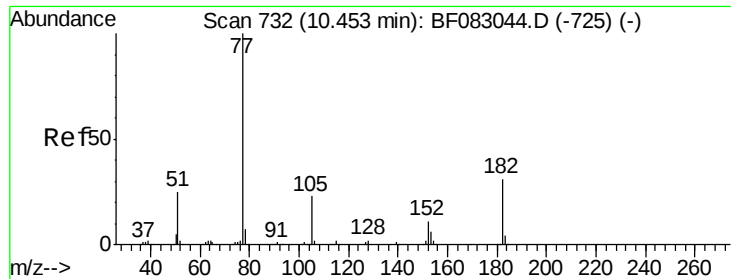
Tot Ion:165	Resp:	74413
Ion Ratio	Lower	Upper
165	100	
63	59.3	40.6 61.0
89	30.6	64.4 96.6#
182	6.9	1.6 2.4#



#57
Fluorene
Concen: 21.81 ng
RT: 10.30 min Scan# 719
Delta R.T. 0.01 min
Lab File: BF083087.D
Acq: 20 Nov 2015 17:51

Tgt Ion:166	Resp:	418752
Ion Ratio	Lower	Upper
166	100	
165	106.9	77.1 115.7
167	28.7	11.0 16.4#





#62

Azobenzene

Concen: 2.27 ng

RT: 10.67 min Scan# 751

Delta R.T. 0.22 min

Lab File: BF083087.D

Acq: 20 Nov 2015 17:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 52260

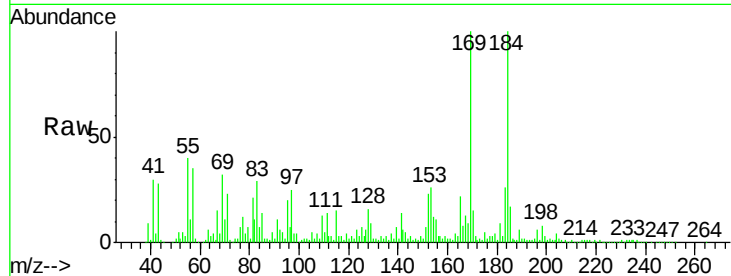
Ion Ratio Lower Upper

77 100

182 23.4 10.8 50.8

105 43.2 3.4 43.4

51 41.6 4.7 44.7

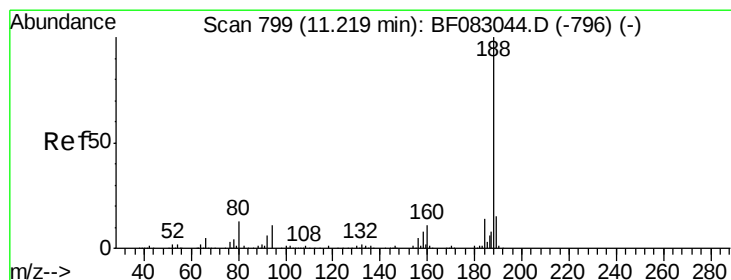
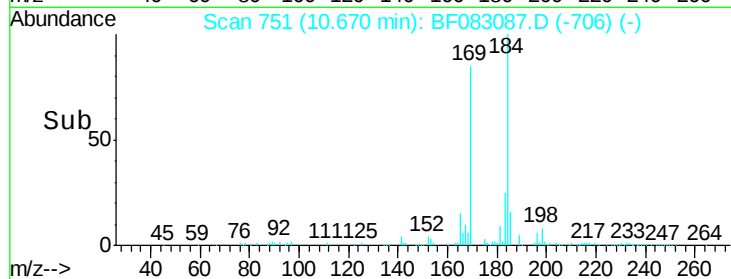
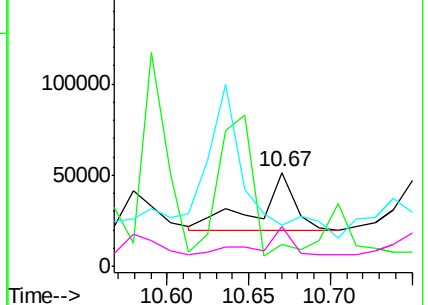


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.23 min Scan# 800

Delta R.T. 0.01 min

Lab File: BF083087.D

Acq: 20 Nov 2015 17:51

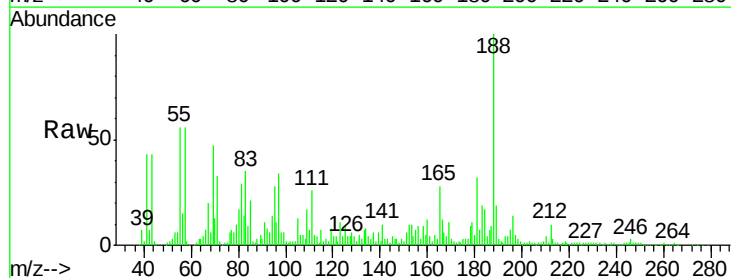
Tgt Ion: 188 Resp: 356548

Ion Ratio Lower Upper

188 100

94 14.3 9.0 13.4#

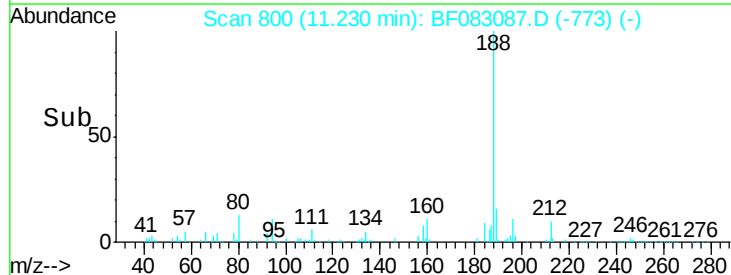
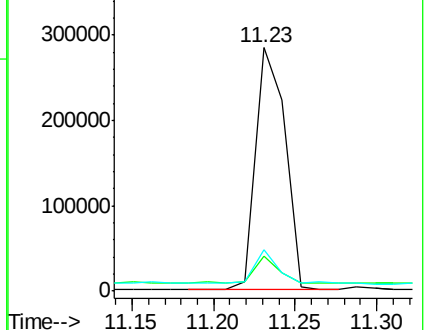
80 16.9 10.2 15.4#

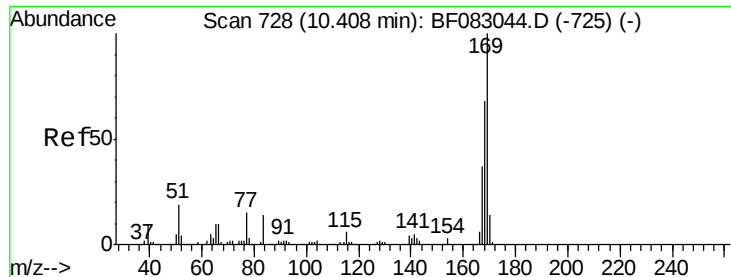


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#65

n-Nitrosodiphenylamine

Concen: 57.79 ng

RT: 10.42 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF083087.D

Acq: 20 Nov 2015 17:51

Instrument :

BNA_F

ClientSampleId :

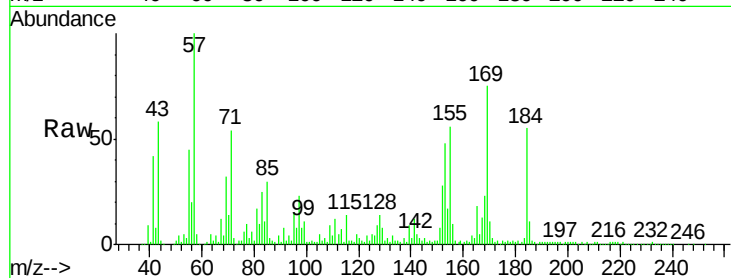
Tot Ion:169 Resp: 721978

Ion Ratio Lower Upper

169 100

168 30.9 54.2 81.2#

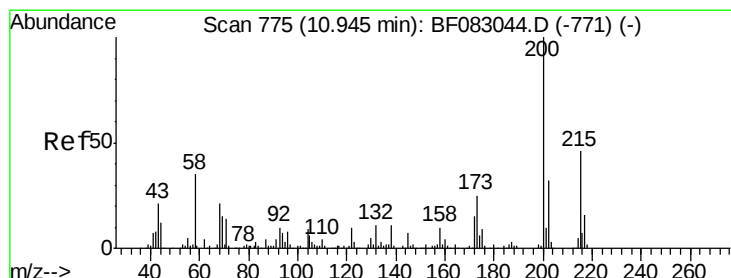
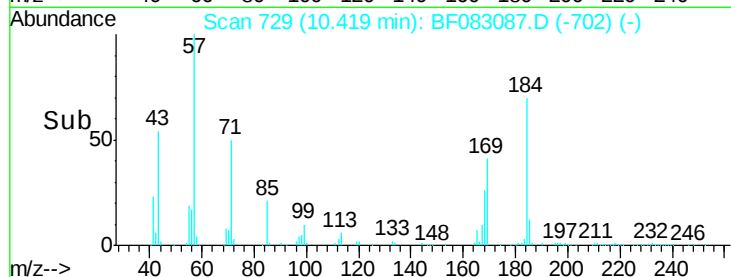
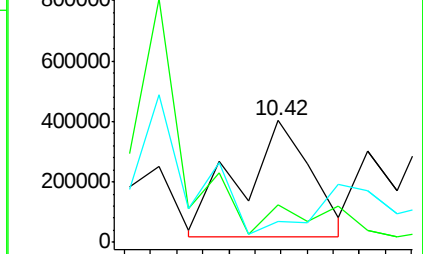
167 17.6 29.5 44.3#



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



#68

Atrazine

Concen: 3.48 ng

RT: 10.97 min Scan# 777

Delta R.T. 0.02 min

Lab File: BF083087.D

Acq: 20 Nov 2015 17:51

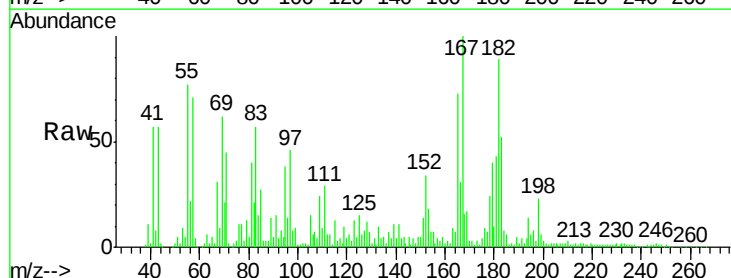
Tgt Ion:200 Resp: 13608

Ion Ratio Lower Upper

200 100

173 94.2 4.9 44.9#

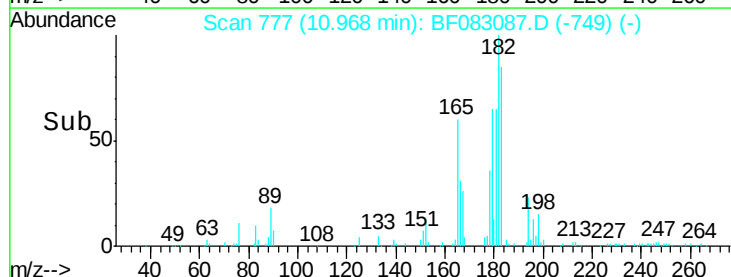
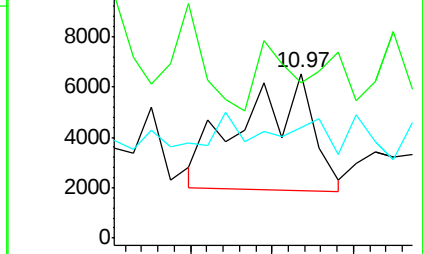
215 67.4 25.5 65.5#

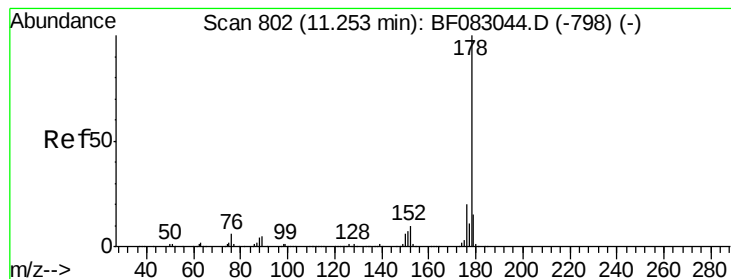


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#70

Phenanthrene

Concen: 57.60 ng

RT: 11.26 min Scan# 803

Delta R.T. 0.01 min

Lab File: BF083087.D

Acq: 20 Nov 2015 17:51

Instrument :

BNA_F

ClientSampleId :

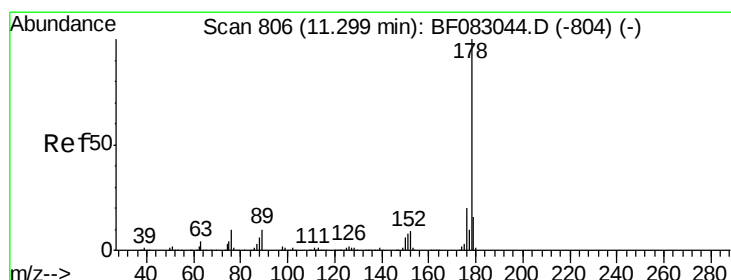
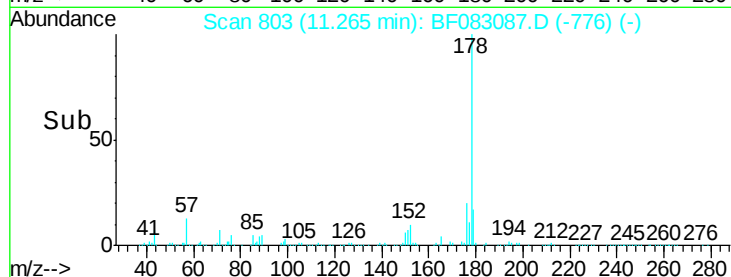
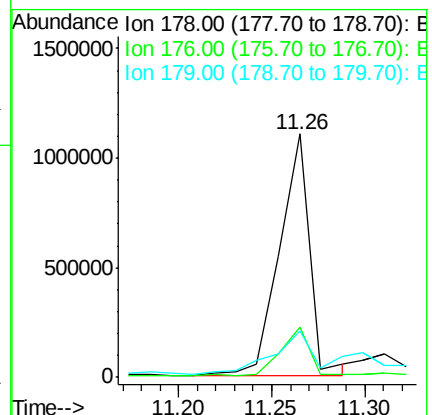
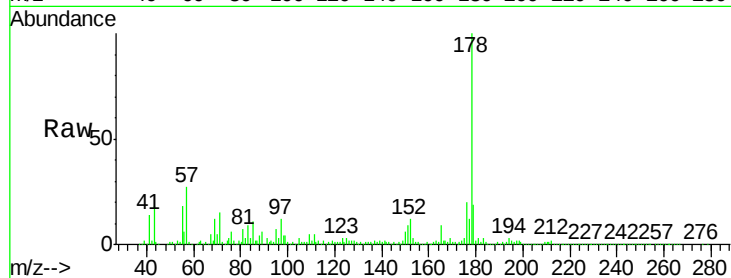
Tot Ion:178 Resp: 1238963

Ion Ratio Lower Upper

178 100

176 20.4 15.6 23.4

179 19.1 12.3 18.5#



#71

Anthracene

Concen: 57.17 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.03 min

Lab File: BF083087.D

Acq: 20 Nov 2015 17:51

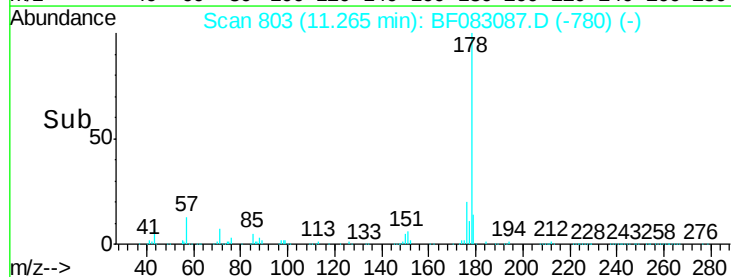
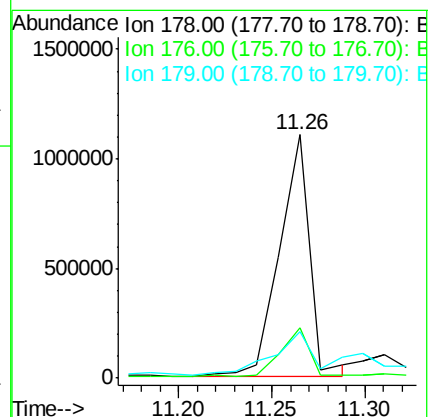
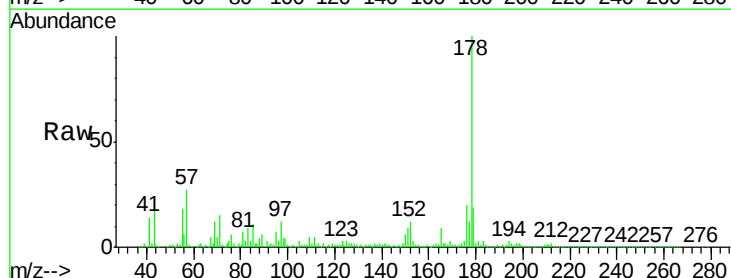
Tgt Ion:178 Resp: 1238963

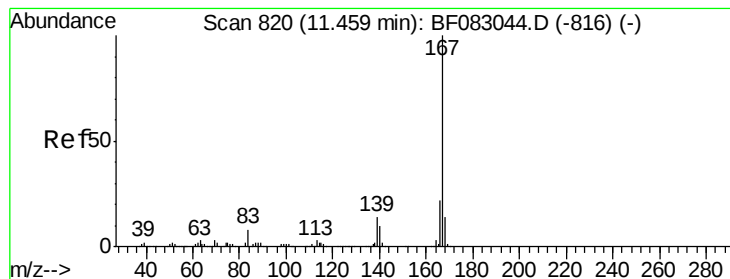
Ion Ratio Lower Upper

178 100

176 20.4 15.8 23.6

179 19.1 13.1 19.7





#72

Carbazole

Concen: 3.34 ng

RT: 11.47 min Scan# 821

Delta R.T. 0.01 min

Lab File: BF083087.D

Acq: 20 Nov 2015 17:51

Instrument :

BNA_F

ClientSampleId :

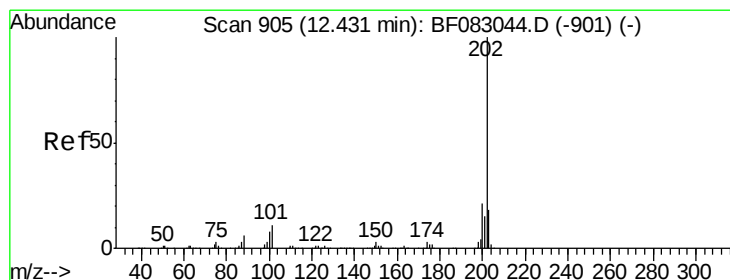
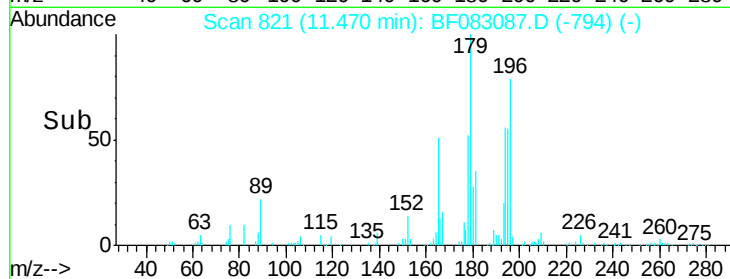
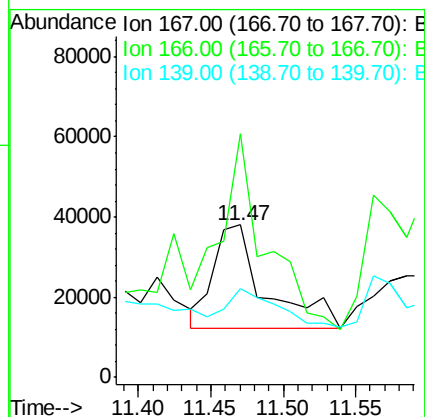
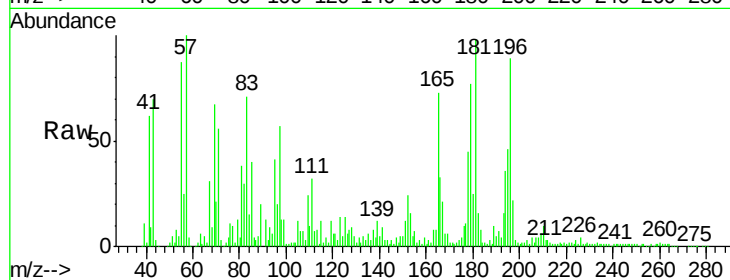
Tot Ion:167 Resp: 63355

Ion Ratio Lower Upper

167 100

166 159.5 17.8 26.6#

139 58.1 11.0 16.4#



#74

Fluoranthene

Concen: 2.33 ng

RT: 12.44 min Scan# 906

Delta R.T. 0.01 min

Lab File: BF083087.D

Acq: 20 Nov 2015 17:51

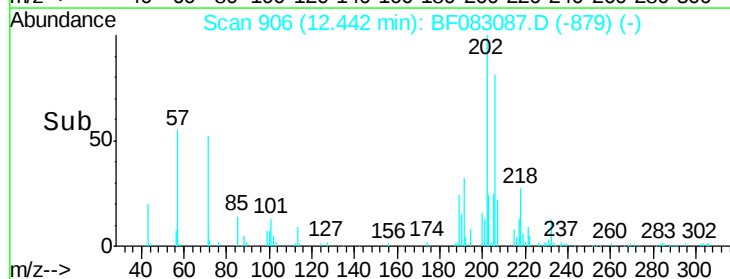
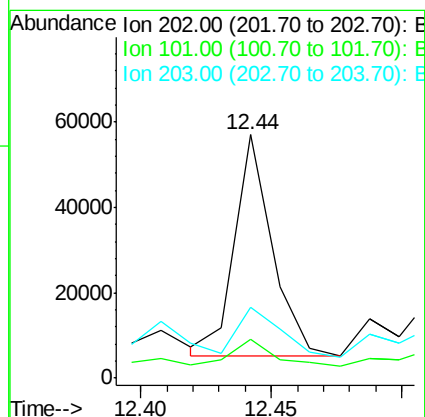
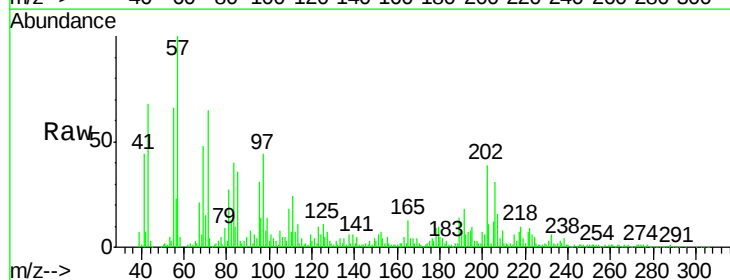
Tgt Ion:202 Resp: 52137

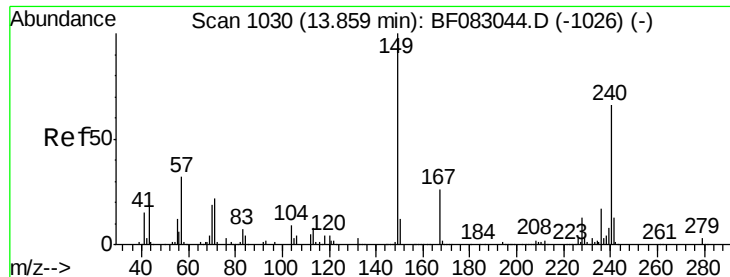
Ion Ratio Lower Upper

202 100

101 15.9 0.0 31.1

203 29.3 0.0 38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF083087.D

Acq: 20 Nov 2015 17:51

Instrument :

BNA_F

ClientSampleId :

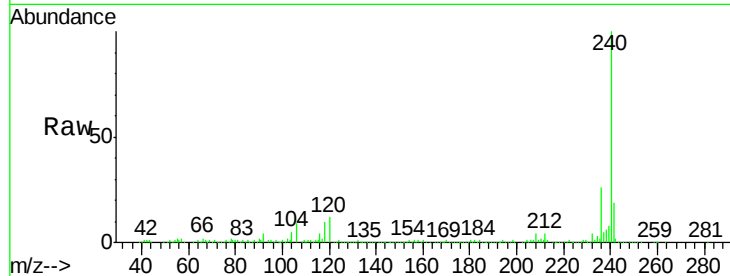
Tot Ion:240 Resp: 397973

Ion Ratio Lower Upper

240 100

120 11.8 5.3 7.9#

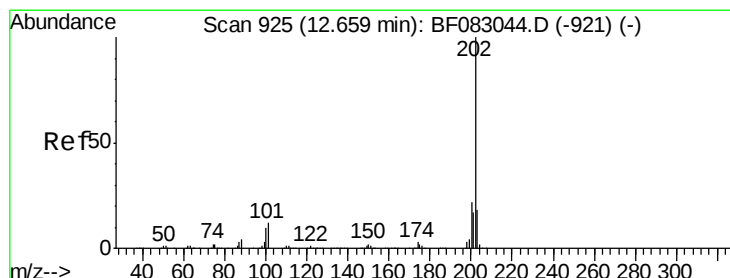
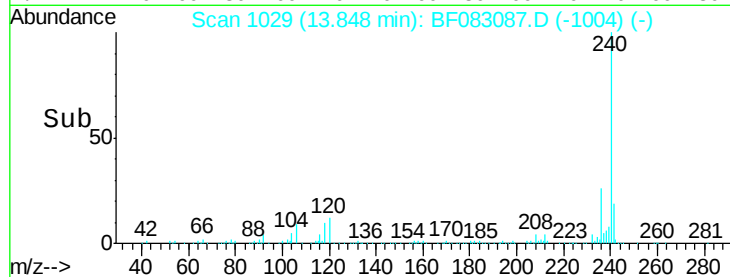
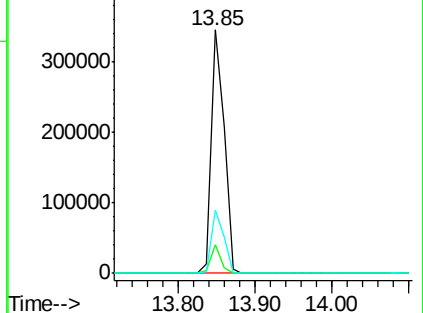
236 26.0 20.4 30.6



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: 5.32 ng

RT: 12.66 min Scan# 925

Delta R.T. 0.00 min

Lab File: BF083087.D

Acq: 20 Nov 2015 17:51

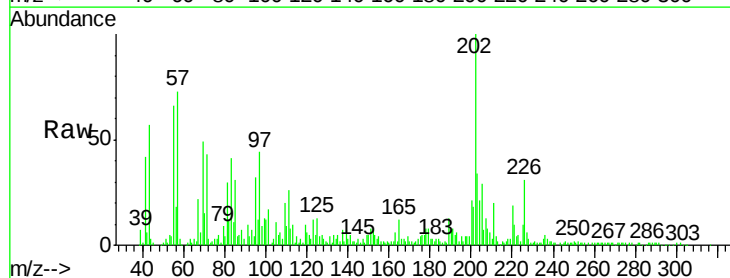
Tgt Ion:202 Resp: 149129

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

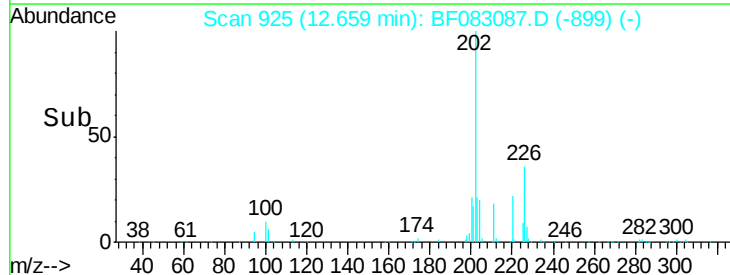
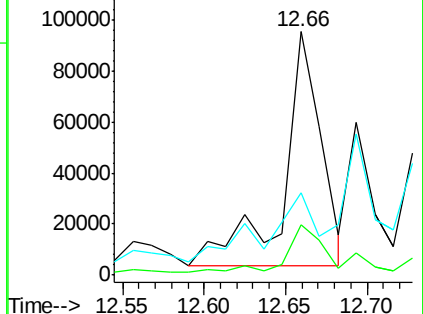
203 33.9 14.6 22.0#

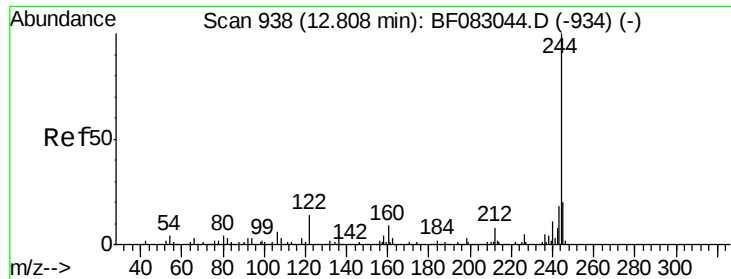


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 10.87 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF083087.D

Acq: 20 Nov 2015 17:51

Instrument :

BNA_F

ClientSampleId :

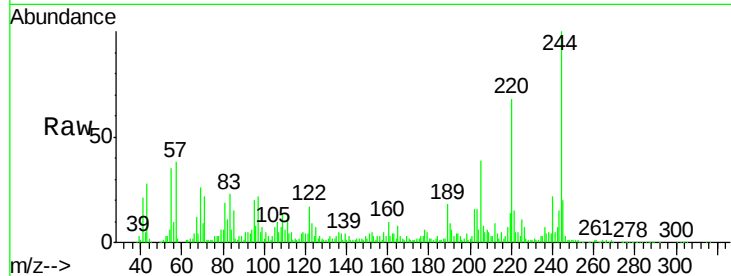
Tot Ion:244 Resp: 183266

Ion Ratio Lower Upper

244 100

212 9.1 6.4 9.6

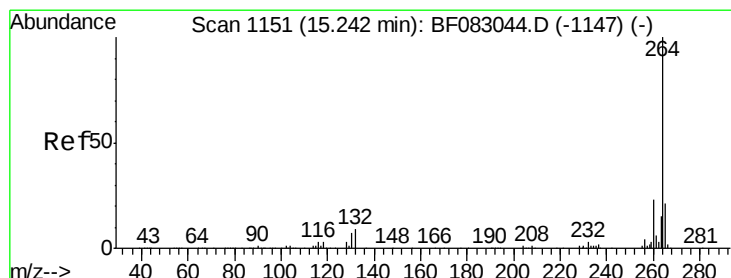
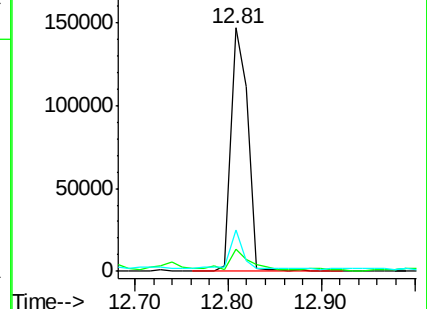
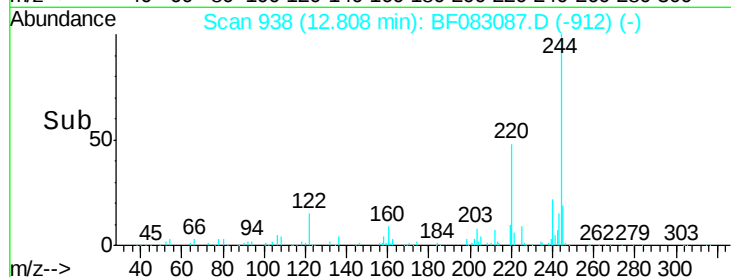
122 16.8 10.9 16.3#



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: 15.24 min Scan# 1151

Delta R.T. 0.00 min

Lab File: BF083087.D

Acq: 20 Nov 2015 17:51

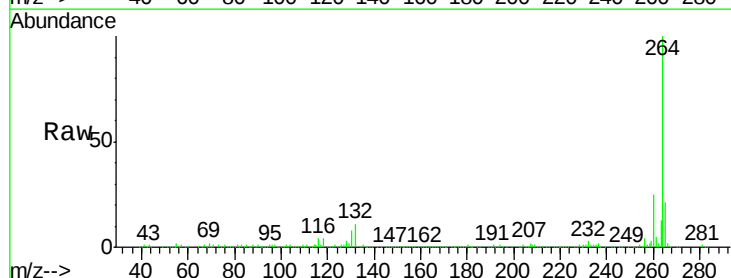
Tgt Ion:264 Resp: 329536

Ion Ratio Lower Upper

264 100

260 24.6 18.6 27.8

265 21.0 17.0 25.6



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

