

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112315\
 Data File : BF083231.D
 Acq On : 24 Nov 2015 4:27
 Operator : UM/IZ
 Sample : G4485-03RE
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 24 07:10:36 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	218350	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	730314	20.00	ng	-0.02
38) Acenaphthene-d10	9.69	164	420024	20.00	ng	-0.01
63) Phenanthrene-d10	11.16	188	515417	20.00	ng	-0.01
75) Chrysene-d12	13.78	240	478697	20.00	ng	-0.02
86) Perylene-d12	15.14	264	332056	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.24	112	694887	48.11	ng	-0.03
7) Phenol-d6	6.34	99	602755	32.26	ng	0.00
23) Nitrobenzene-d5	7.22	82	1156360	72.35	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	275486	64.11	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	1545295	51.30	ng	-0.01
78) Terphenyl-d14	12.74	244	981868	48.30	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.19	77	2597	Below Cal	#	76
15) Benzyl Alcohol	6.80	79	37106	2.38	ng	52
18) Hexachloroethane	7.22	117	349614	55.07	ng	5
19) n-Nitroso-di-n-propylamine	7.06	70	28886	2.22	ng	1
24) Nitrobenzene	7.19	77	93595	5.48	ng	18
25) Isophorone	7.56	82	329362	10.88	ng	1
28) bis(2-Chloroethoxy)methane	7.68	93	53693	3.05	ng	1
31) Naphthalene	7.95	128	82324	2.09	ng	1
32) Benzoic acid	7.78	122	37160	3.97	ng	48
33) 4-Chloroaniline	7.98	127	114876	7.51	ng	73
35) Caprolactam	8.44	113	180642	49.25	ng	1
49) Dimethylphthalate	9.43	163	160085	4.95	ng	1
50) 2,6-Dinitrotoluene	9.42	165	50316	6.93	ng	6
52) 3-Nitroaniline	9.68	138	16679	2.16	ng	21
55) 4-Nitrophenol	9.80	139	24767	4.18	ng	1
56) 2,4-Dinitrotoluene	9.92	165	20156	2.19	ng	50
59) Diethylphthalate	10.26	149	693735	21.55	ng	58
62) Azobenzene	10.38	77	230228	6.27	ng	7
65) n-Nitrosodiphenylamine	10.33	169	42731	2.44	ng	62
66) 4-Bromophenyl-phenylether	10.49	248	20029	3.50	ng	1

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

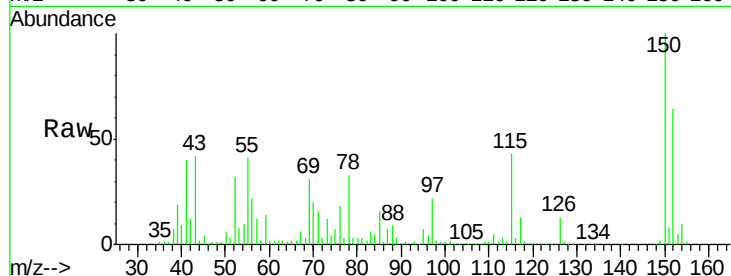


#1

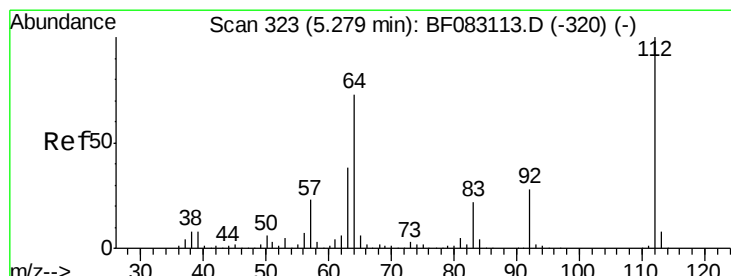
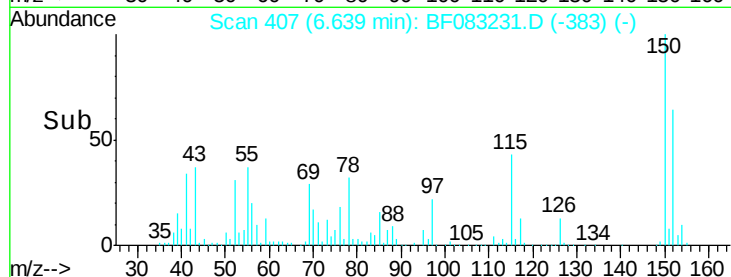
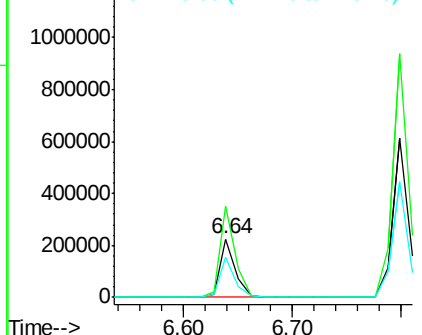
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.64 min Scan# 407
Delta R.T. -0.02 min
Lab File: BF083231.D
Acq: 24 Nov 2015 4:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 218350
Ion Ratio Lower Upper
152 100
150 156.0 125.8 188.8
115 67.4 46.9 70.3



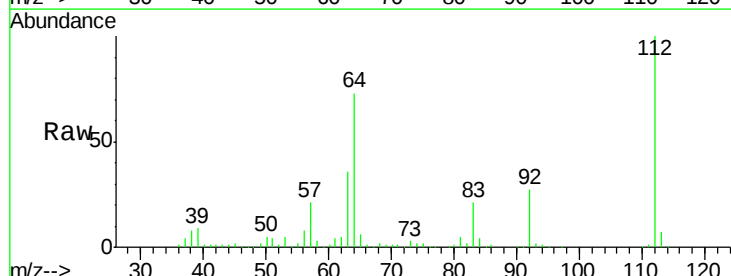
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



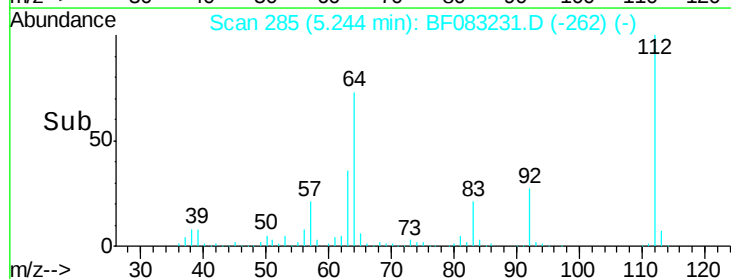
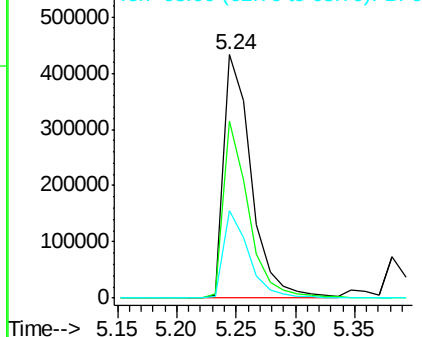
#5

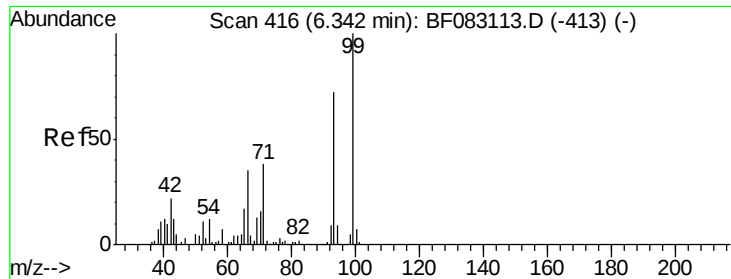
2-Fluorophenol
Concen: 48.11 ng
RT: 5.24 min Scan# 285
Delta R.T. -0.03 min
Lab File: BF083231.D
Acq: 24 Nov 2015 4:27

Tgt Ion:112 Resp: 694887
Ion Ratio Lower Upper
112 100
64 72.8 58.4 87.6
63 35.7 30.0 45.0



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: 32.26 ng

RT: 6.34 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF083231.D

Acq: 24 Nov 2015 4:27

Instrument :

BNA_F

ClientSampleId :

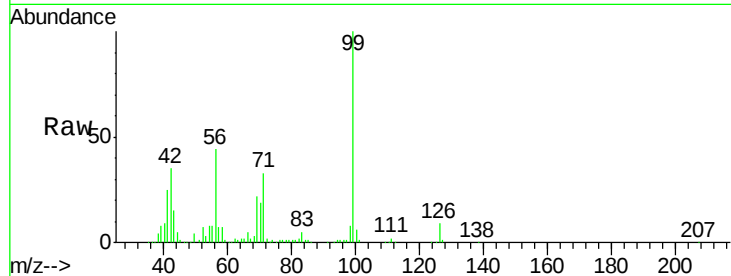
Tgt Ion: 99 Resp: 602755

Ion Ratio Lower Upper

99 100

42 35.1 17.7 26.5#

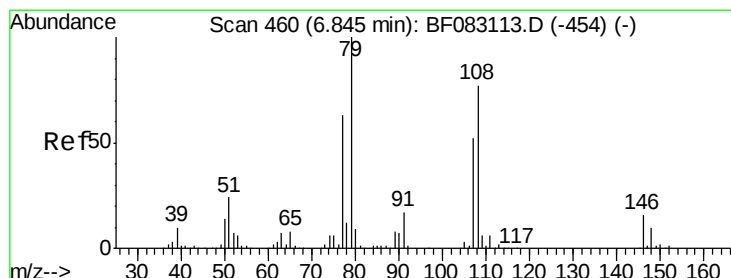
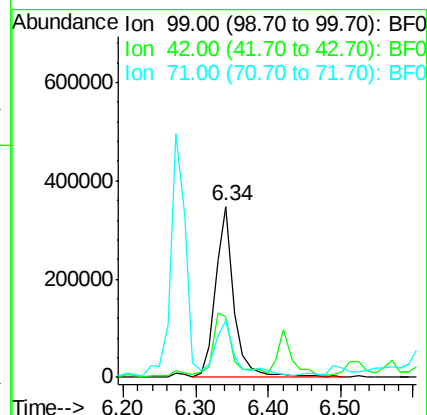
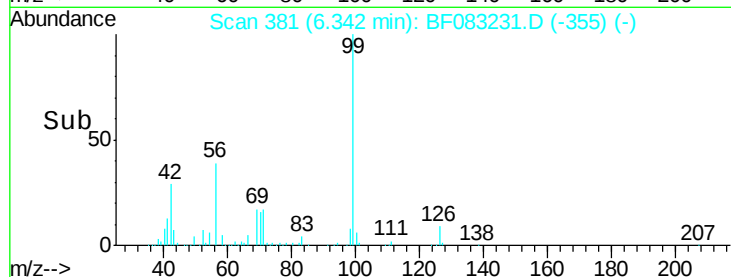
71 33.5 30.2 45.4



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#15

Benzyl Alcohol

Concen: 2.38 ng

RT: 6.80 min Scan# 421

Delta R.T. -0.05 min

Lab File: BF083231.D

Acq: 24 Nov 2015 4:27

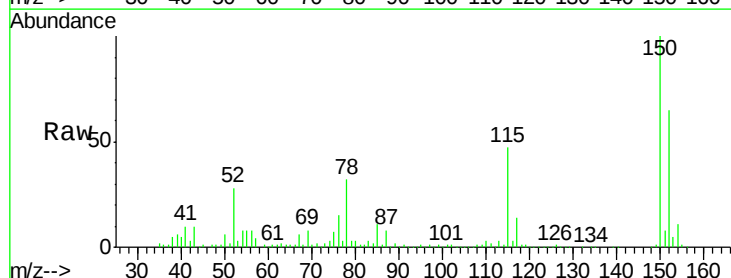
Tgt Ion: 79 Resp: 37106

Ion Ratio Lower Upper

79 100

108 25.2 61.4 92.2#

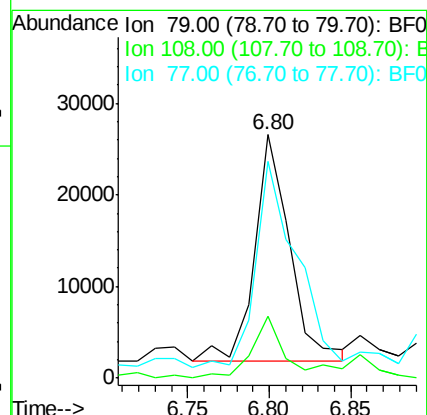
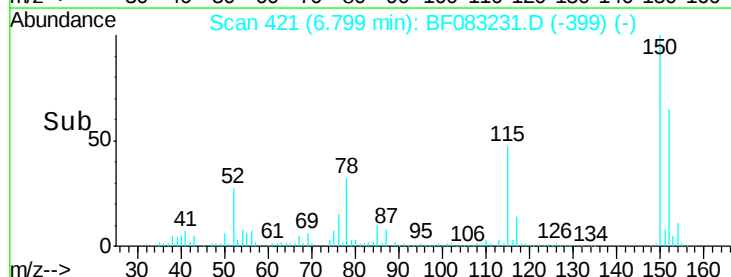
77 89.3 50.5 75.7#

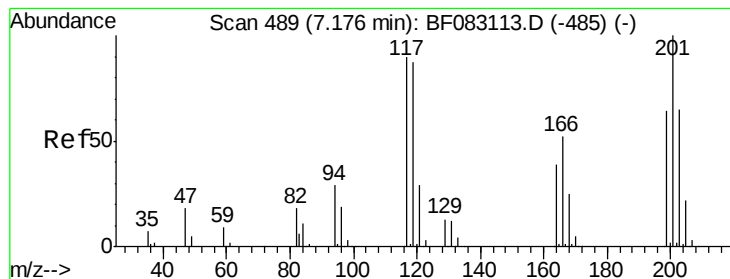


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#18

Hexachloroethane

Concen: 55.07 ng

RT: 7.22 min Scan# 458

Delta R.T. 0.05 min

Lab File: BF083231.D

Acq: 24 Nov 2015 4:27

Instrument :

BNA_F

ClientSampleId :

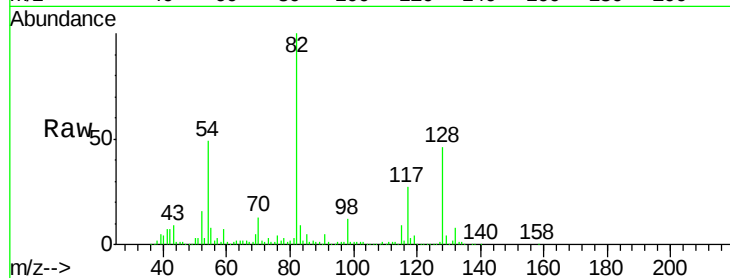
Tgt Ion: 117 Resp: 349614

Ion Ratio Lower Upper

117 100

119 13.7 76.8 115.2#

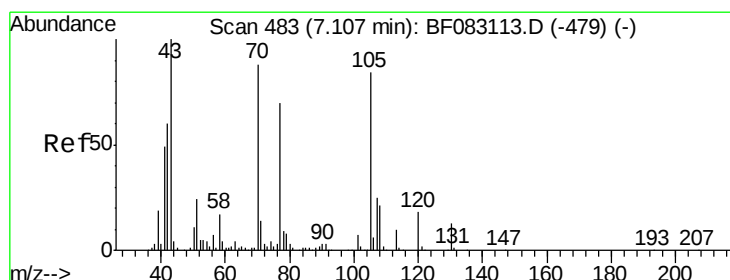
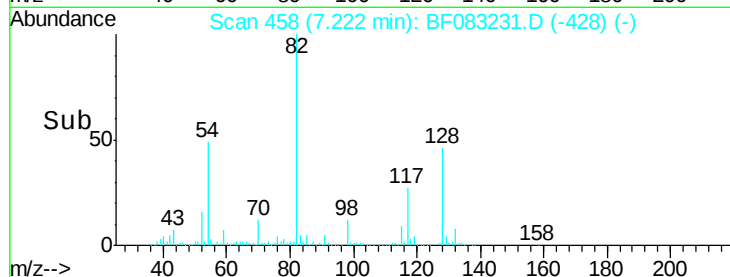
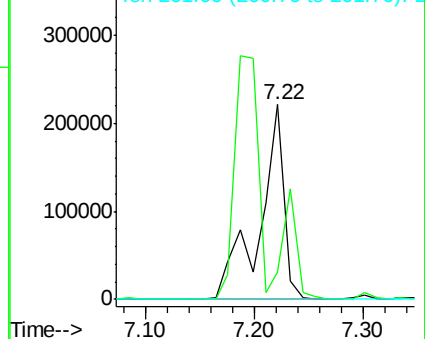
201 0.0 88.6 133.0#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 2.22 ng

RT: 7.06 min Scan# 444

Delta R.T. -0.05 min

Lab File: BF083231.D

Acq: 24 Nov 2015 4:27

Tgt Ion: 70 Resp: 28886

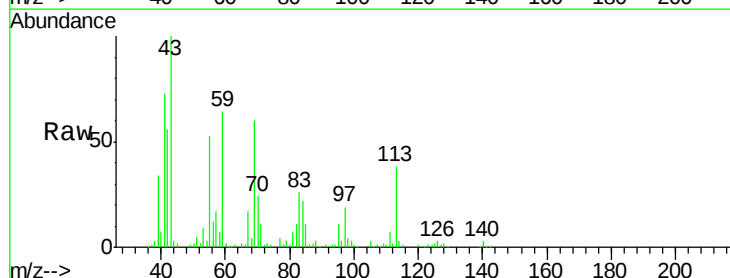
Ion Ratio Lower Upper

70 100

42 234.7 54.5 81.7#

101 1.6 6.6 9.8#

130 0.0 11.5 17.3#

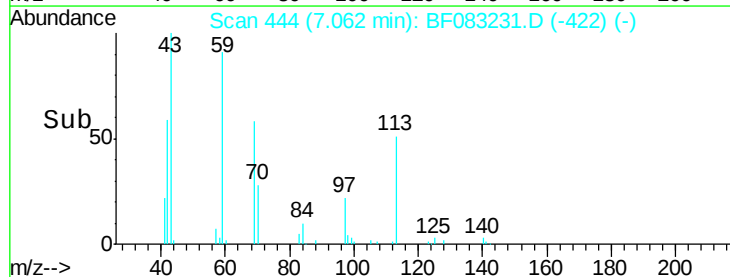
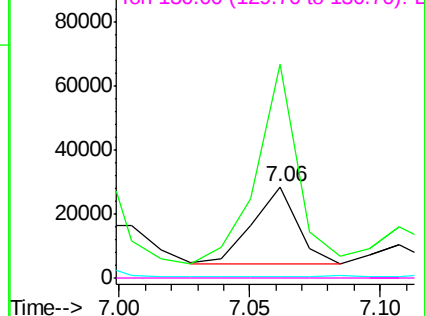


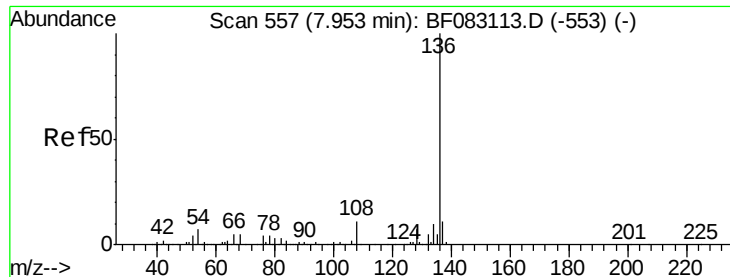
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

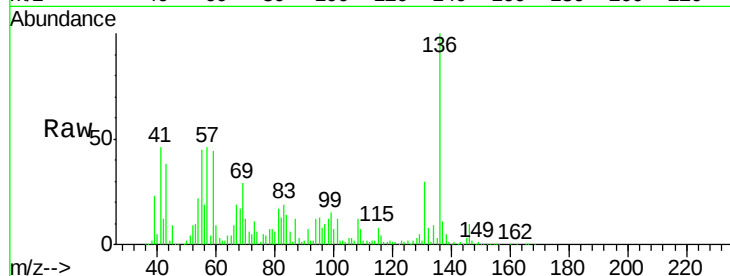




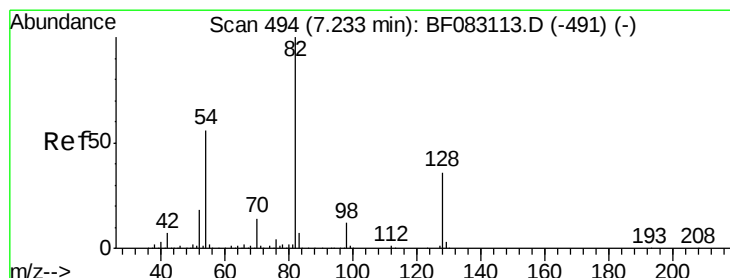
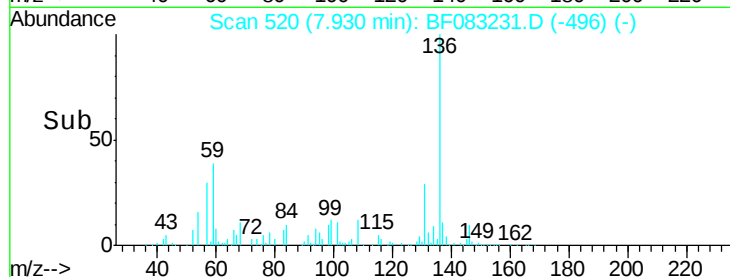
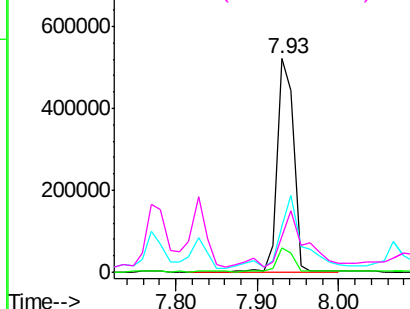
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.93 min Scan# 520
Delta R.T. -0.02 min
Lab File: BF083231.D
Acq: 24 Nov 2015 4:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:	136	Resp:	730314
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	21.7	5.8	8.6#
68	16.7	3.8	5.8#

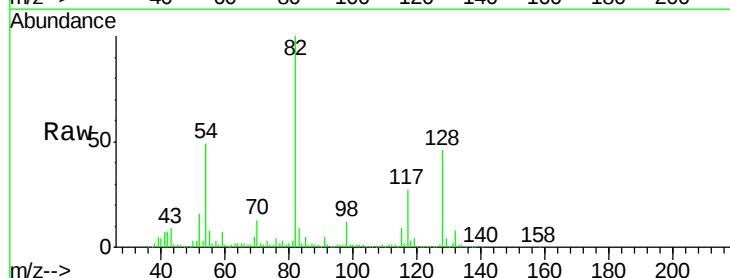


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

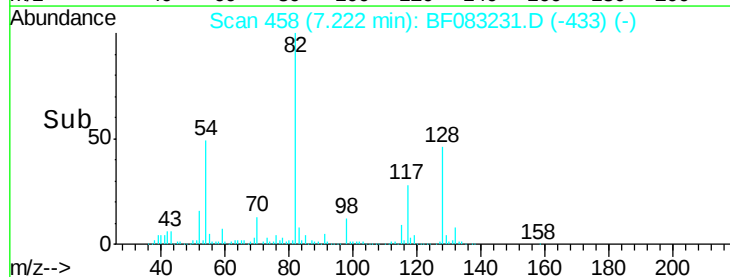
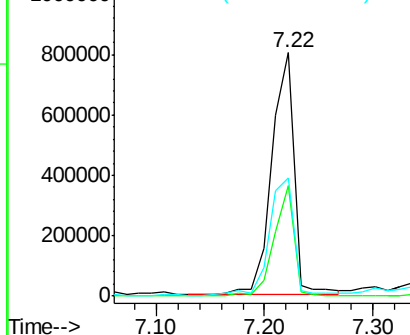


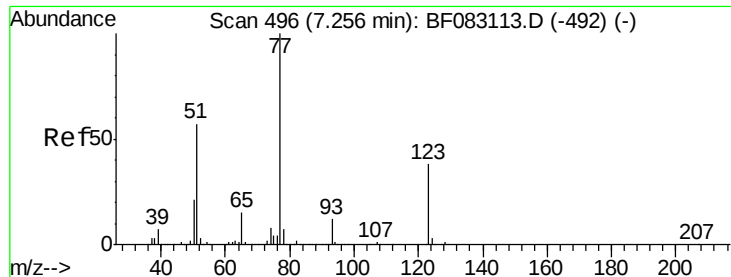
#23
Nitrobenzene-d5
Concen: 72.35 ng
RT: 7.22 min Scan# 458
Delta R.T. -0.01 min
Lab File: BF083231.D
Acq: 24 Nov 2015 4:27

Tgt Ion:	82	Resp:	1156360
Ion	Ratio	Lower	Upper
82	100		
128	45.6	28.5	42.7#
54	48.8	44.6	67.0



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 5.48 ng

RT: 7.19 min Scan# 455

Delta R.T. -0.07 min

Lab File: BF083231.D

Acq: 24 Nov 2015 4:27

Instrument :

BNA_F

ClientSampleId :

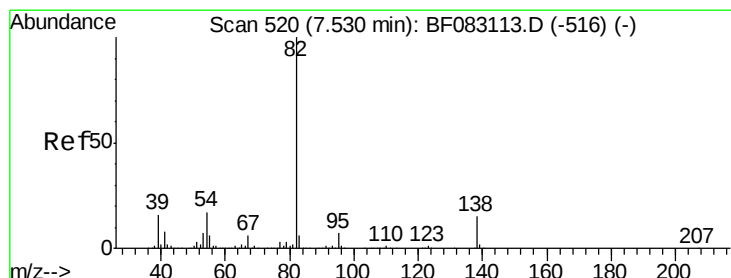
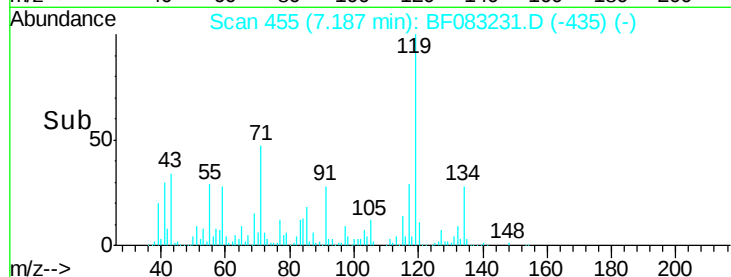
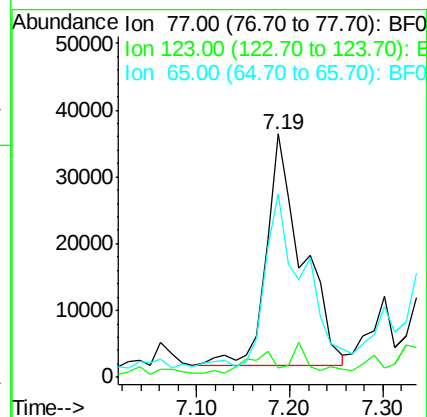
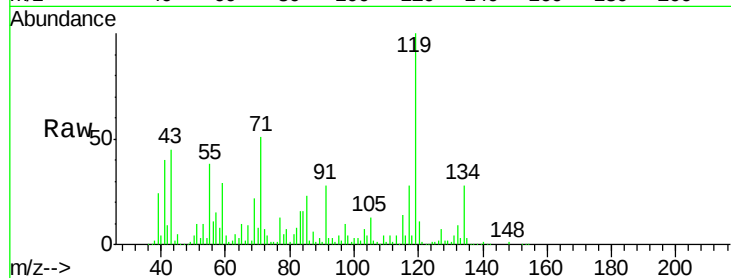
Tgt Ion: 77 Resp: 93595

Ion Ratio Lower Upper

77 100

123 3.8 30.1 45.1#

65 75.2 11.6 17.4#



#25

Isophorone

Concen: 10.88 ng

RT: 7.56 min Scan# 488

Delta R.T. 0.03 min

Lab File: BF083231.D

Acq: 24 Nov 2015 4:27

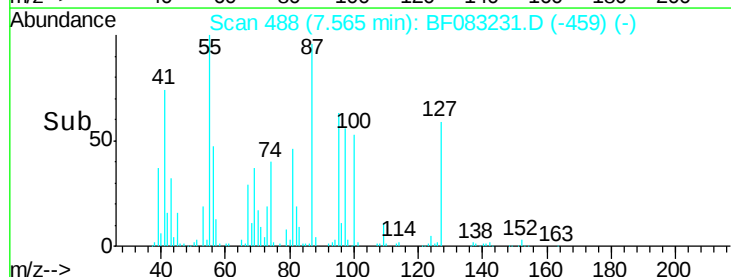
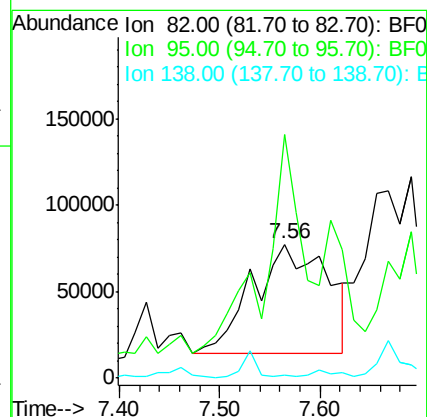
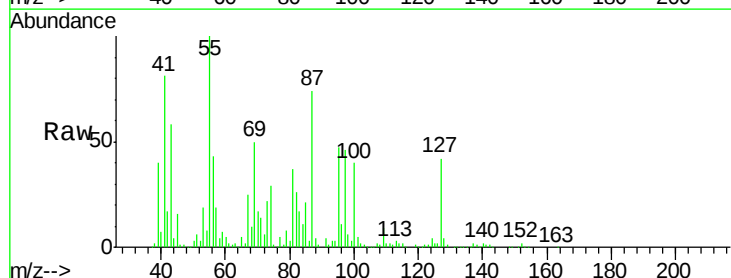
Tgt Ion: 82 Resp: 329362

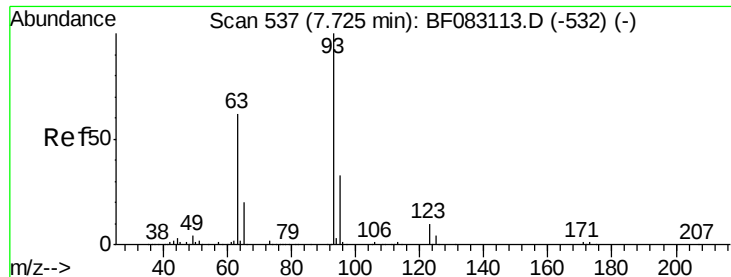
Ion Ratio Lower Upper

82 100

95 181.6 5.8 8.8#

138 2.2 11.6 17.4#

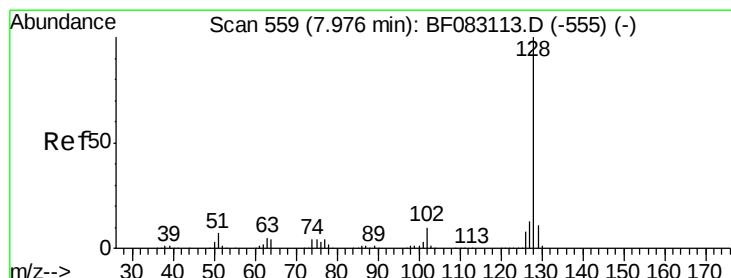
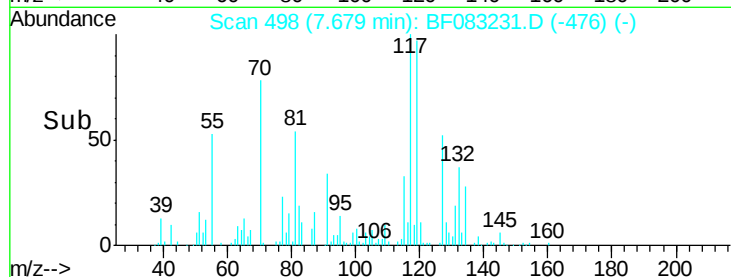
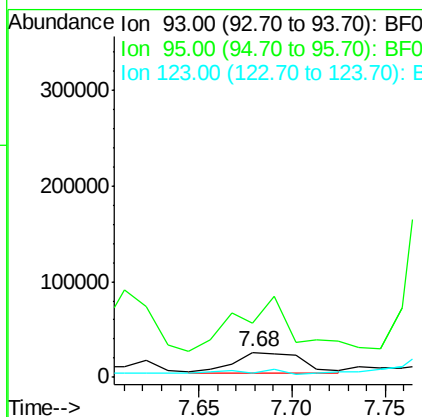
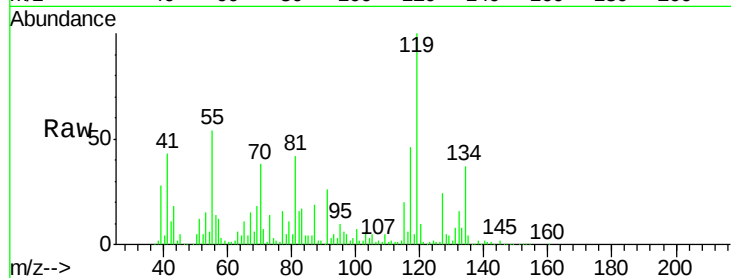




#28
bis(2-Chloroethoxy)methane
Concen: 3.05 ng
RT: 7.68 min Scan# 498
Delta R.T. -0.05 min
Lab File: BF083231.D
Acq: 24 Nov 2015 4:27

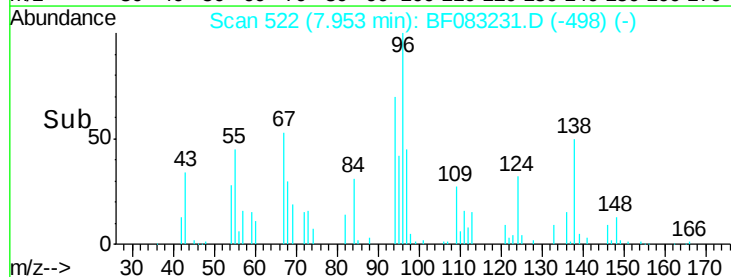
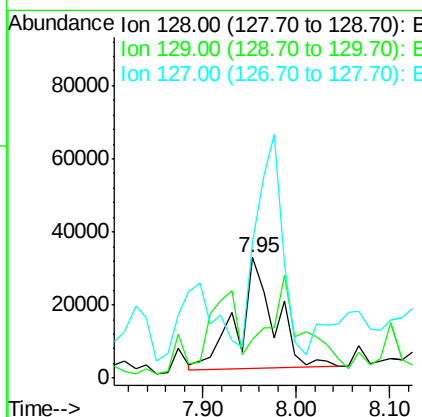
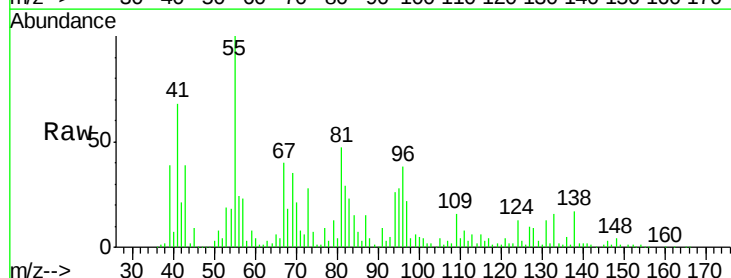
Instrument :
BNA_F
ClientSampleId :

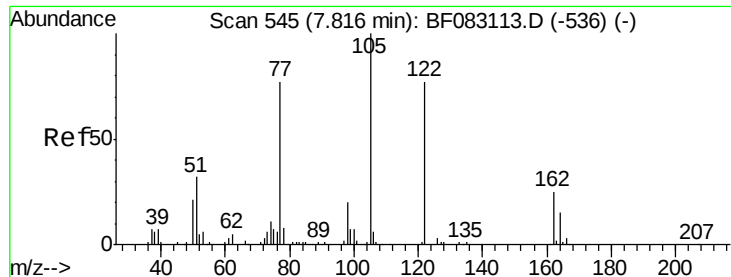
Tgt Ion: 93 Resp: 53693
Ion Ratio Lower Upper
93 100
95 220.3 26.5 39.7#
123 18.6 8.1 12.1#



#31
Naphthalene
Concen: 2.09 ng
RT: 7.95 min Scan# 522
Delta R.T. -0.02 min
Lab File: BF083231.D
Acq: 24 Nov 2015 4:27

Tgt Ion: 128 Resp: 82324
Ion Ratio Lower Upper
128 100
129 32.8 9.0 13.4#
127 113.0 10.6 15.8#





#32

Benzoic acid

Concen: 3.97 ng

RT: 7.78 min Scan# 507

Delta R.T. -0.03 min

Lab File: BF083231.D

Acq: 24 Nov 2015 4:27

Instrument :

BNA_F

ClientSampleId :

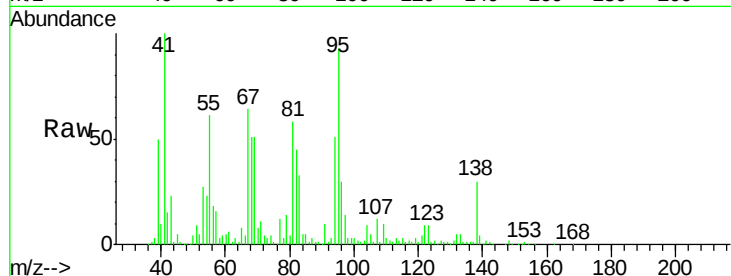
Tgt Ion:122 Resp: 37160

Ion Ratio Lower Upper

122 100

105 54.9 109.7 149.7#

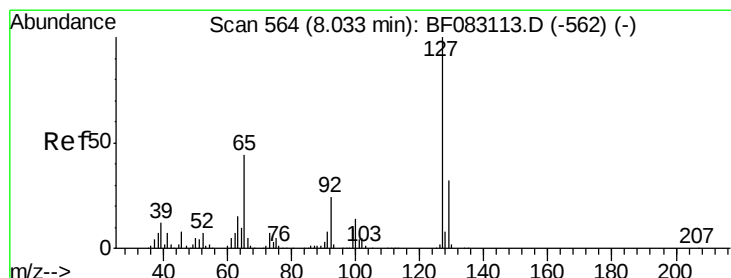
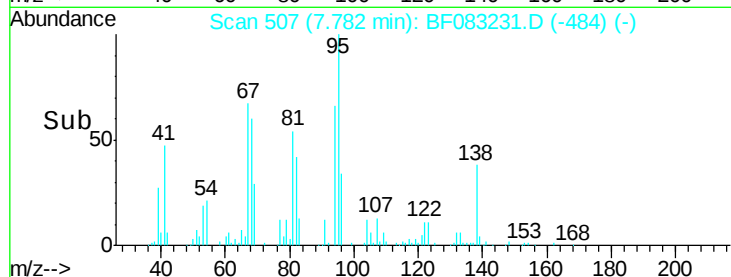
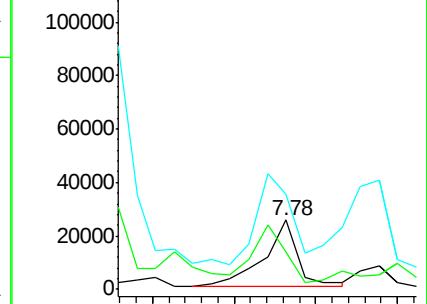
77 136.5 79.7 119.7#



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: 7.51 ng

RT: 7.98 min Scan# 524

Delta R.T. -0.06 min

Lab File: BF083231.D

Acq: 24 Nov 2015 4:27

Tgt Ion:127 Resp: 114876

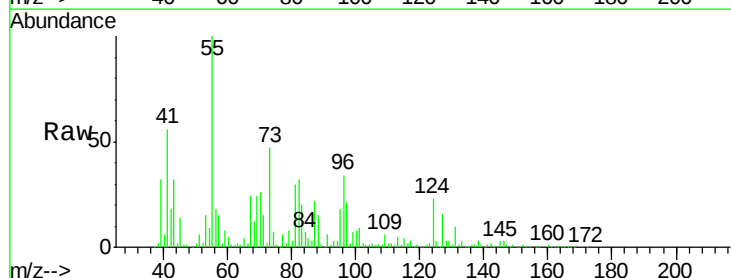
Ion Ratio Lower Upper

127 100

129 20.4 25.7 38.5#

65 28.4 35.5 53.3#

92 5.8 19.4 29.2#

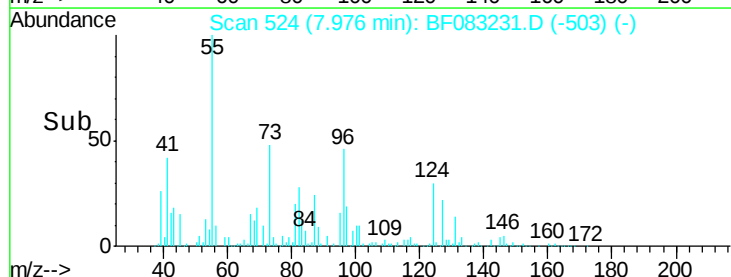
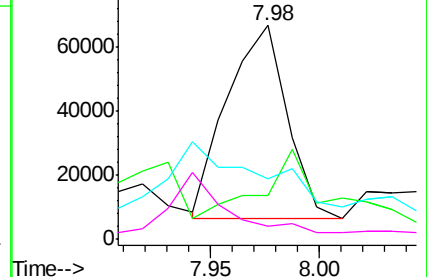


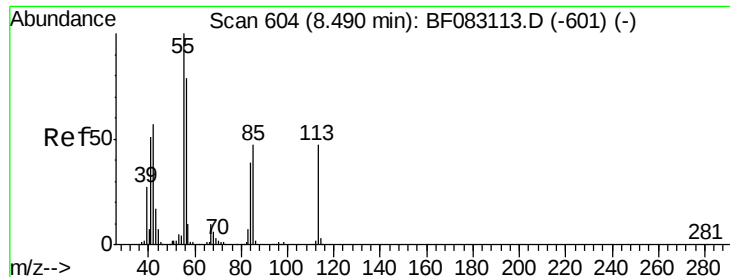
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

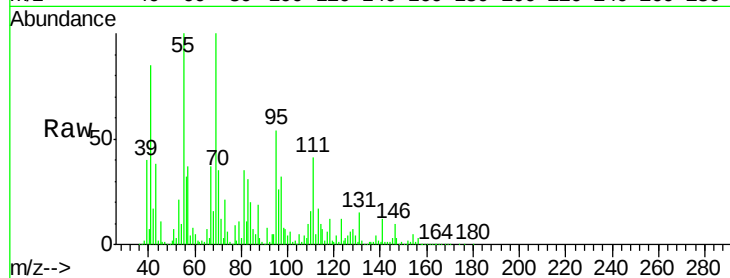




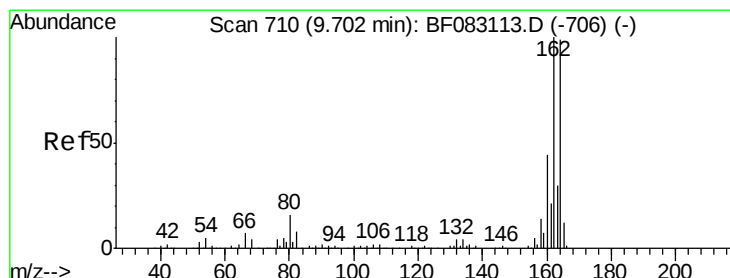
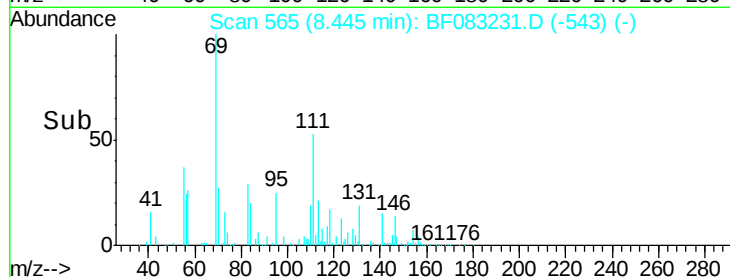
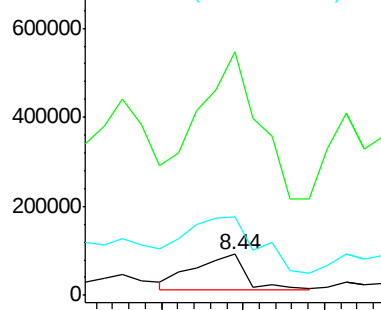
#35
 Caprolactam
 Concen: 49.25 ng
 RT: 8.44 min Scan# 565
 Delta R.T. -0.05 min
 Lab File: BF083231.D
 Acq: 24 Nov 2015 4:27

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:113 Resp: 180642
 Ion Ratio Lower Upper
 113 100
 55 596.6 192.6 232.6#
 56 192.5 148.6 188.6#

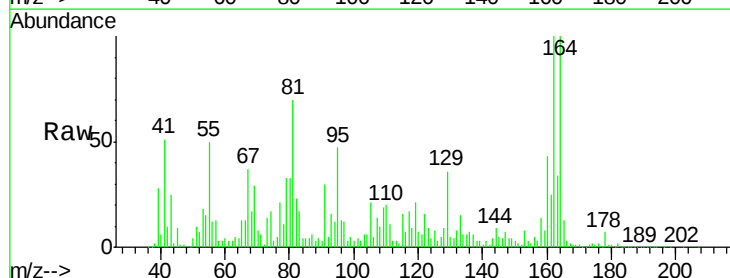


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

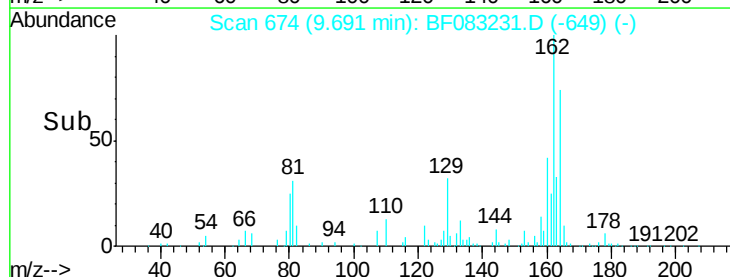
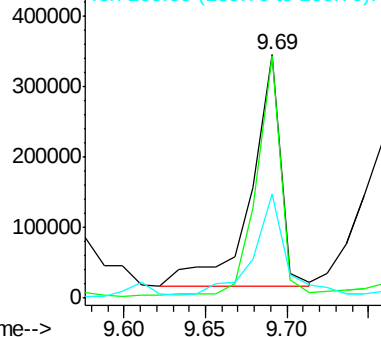


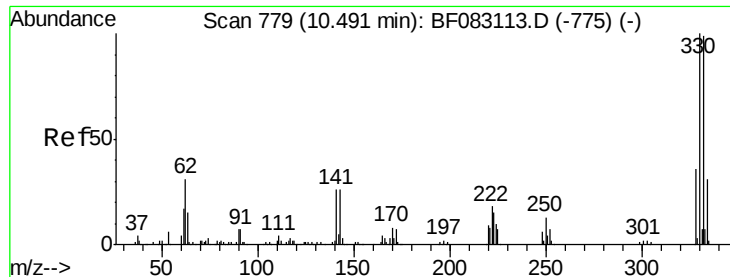
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.69 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: BF083231.D
 Acq: 24 Nov 2015 4:27

Tgt Ion:164 Resp: 420024
 Ion Ratio Lower Upper
 164 100
 162 99.8 81.2 121.8
 160 42.8 35.6 53.4



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

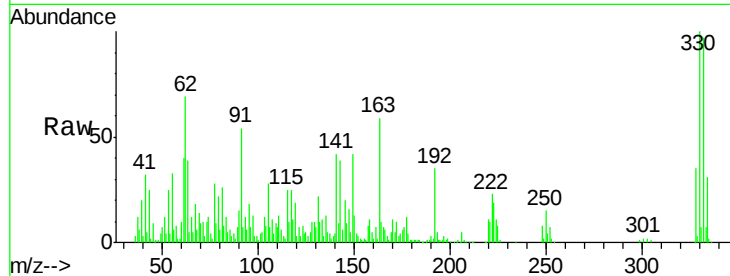




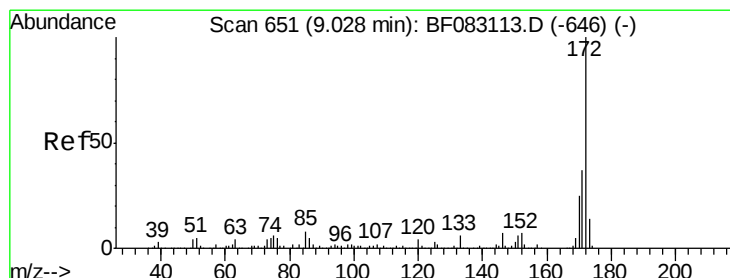
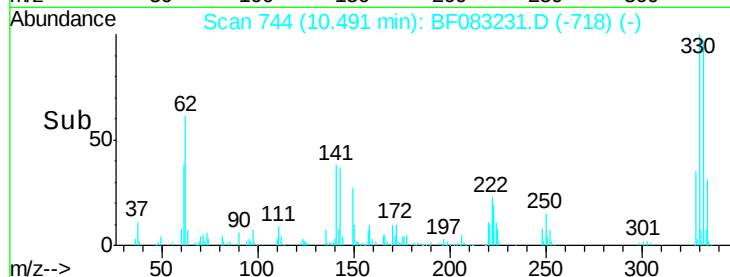
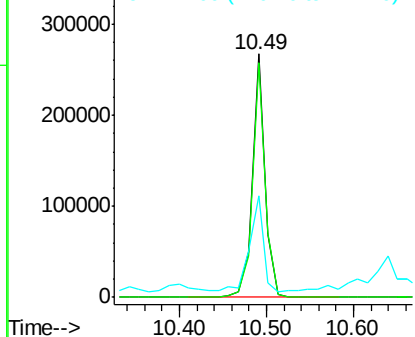
#41
 2,4,6-Tribromophenol
 Concen: 64.11 ng
 RT: 10.49 min Scan# 744
 Delta R.T. 0.00 min
 Lab File: BF083231.D
 Acq: 24 Nov 2015 4:27

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:330 Resp: 275486
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.7 116.5
 141 41.2 29.7 44.5

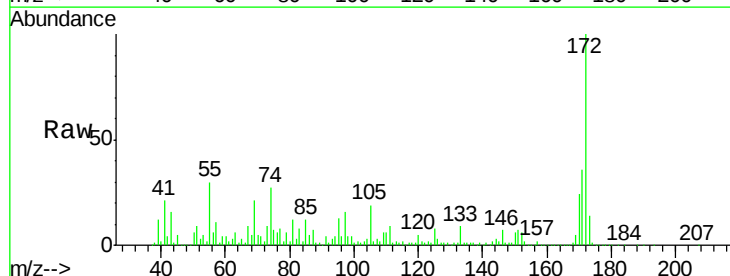


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

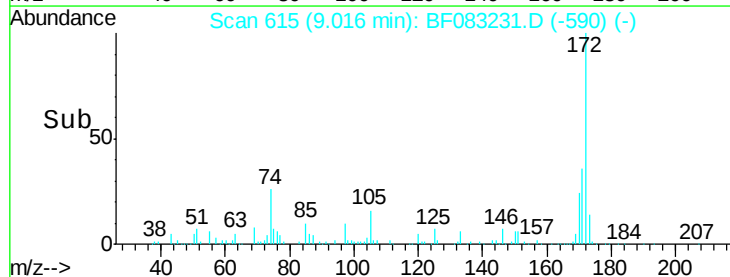
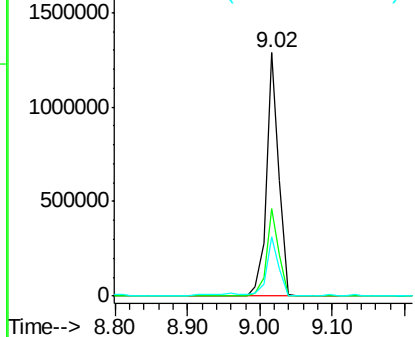


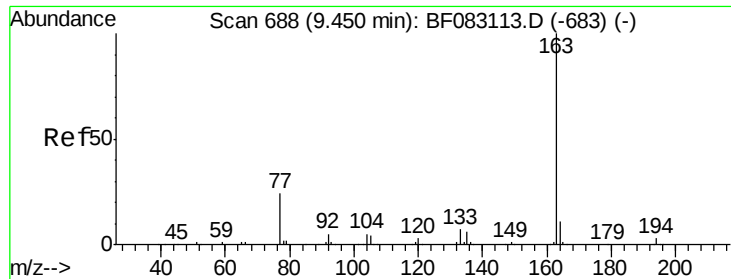
#44
 2-Fluorobiphenyl
 Concen: 51.30 ng
 RT: 9.02 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF083231.D
 Acq: 24 Nov 2015 4:27

Tgt Ion:172 Resp: 1545295
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.5 44.3
 170 24.4 19.9 29.9



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

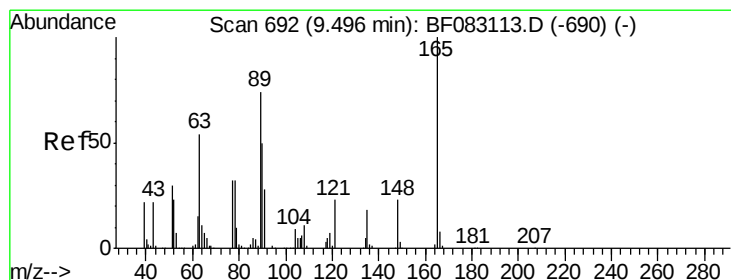
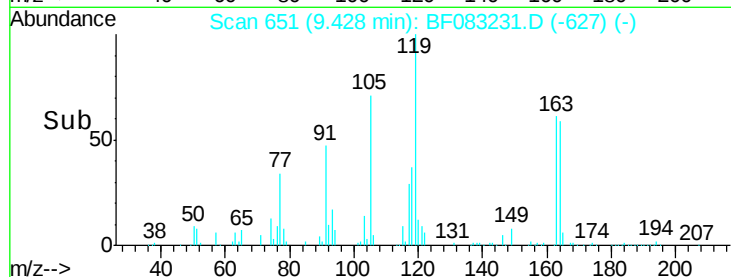
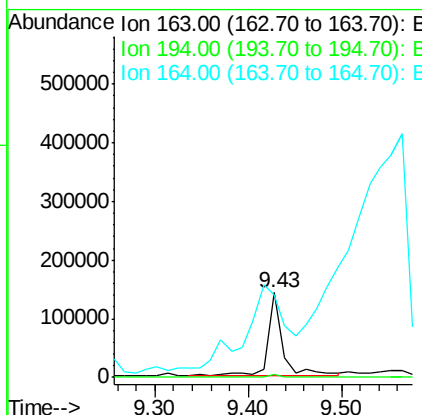
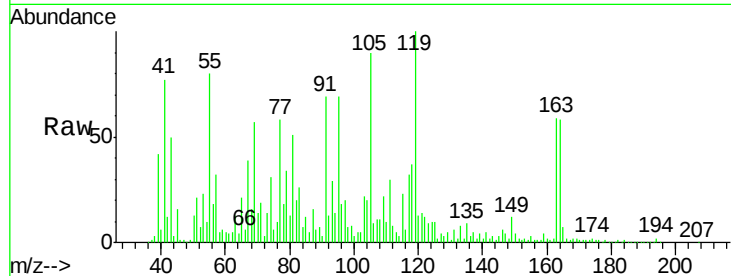




#49
Dimethylphthalate
Concen: 4.95 ng
RT: 9.43 min Scan# 651
Delta R.T. -0.02 min
Lab File: BF083231.D
Acq: 24 Nov 2015 4:27

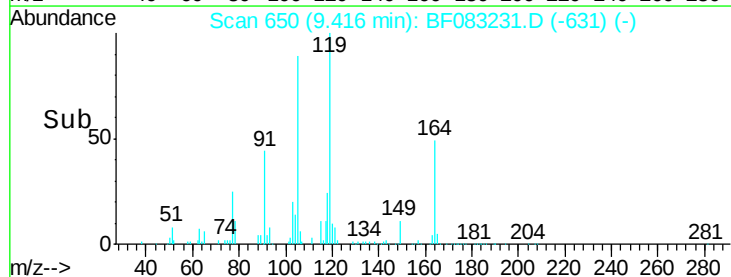
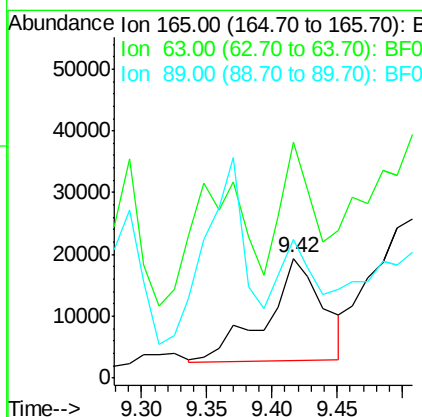
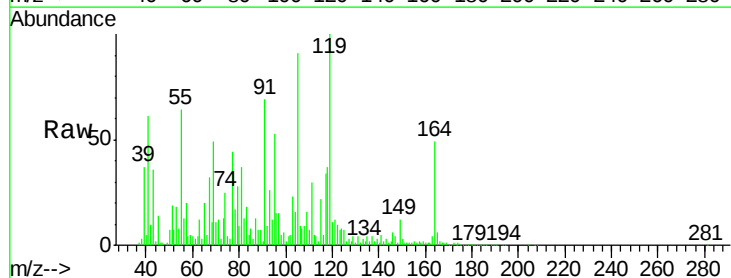
Instrument :
BNA_F
ClientSampled :

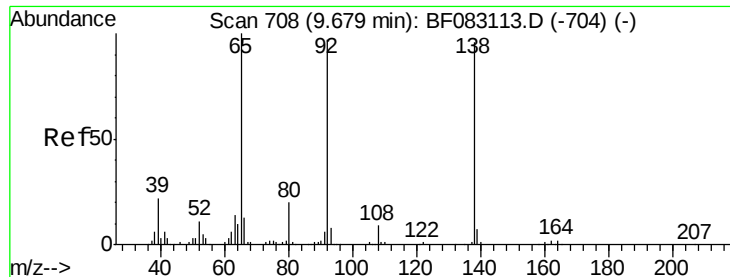
Tgt Ion:163 Resp: 160085
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 97.9 8.6 12.8#



#50
2,6-Dinitrotoluene
Concen: 6.93 ng
RT: 9.42 min Scan# 650
Delta R.T. -0.08 min
Lab File: BF083231.D
Acq: 24 Nov 2015 4:27

Tgt Ion:165 Resp: 50316
Ion Ratio Lower Upper
165 100
63 196.7 62.5 93.7#
89 116.1 59.1 88.7#





#52

3-Nitroaniline

Concen: 2.16 ng

RT: 9.68 min Scan# 673

Delta R.T. 0.00 min

Lab File: BF083231.D

Acq: 24 Nov 2015 4:27

Instrument :

BNA_F

ClientSampled :

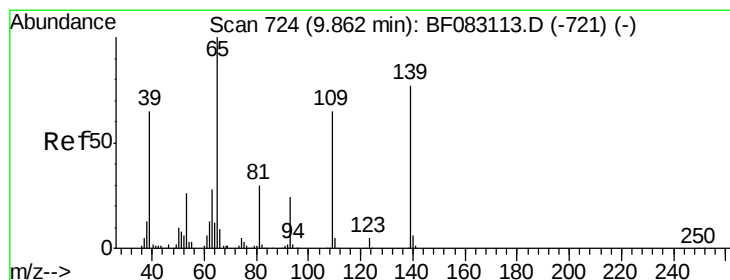
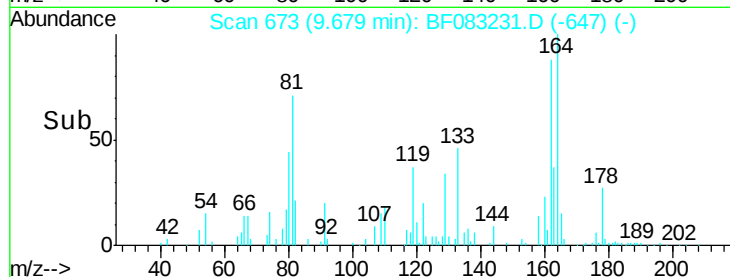
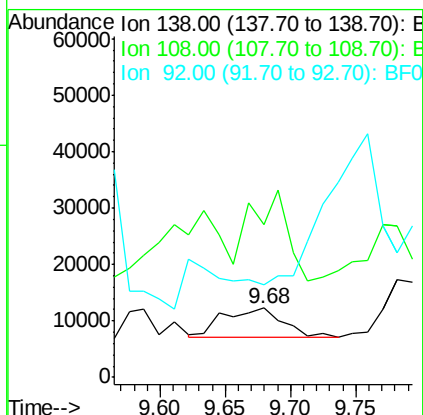
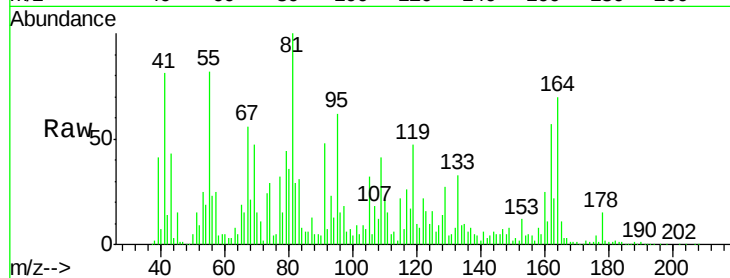
Tgt Ion:138 Resp: 16679

Ion Ratio Lower Upper

138 100

108 220.8 7.8 11.6#

92 133.7 81.1 121.7#



#55

4-Nitrophenol

Concen: 4.18 ng

RT: 9.80 min Scan# 684

Delta R.T. -0.06 min

Lab File: BF083231.D

Acq: 24 Nov 2015 4:27

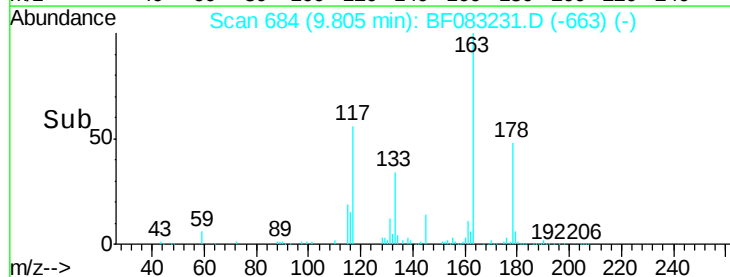
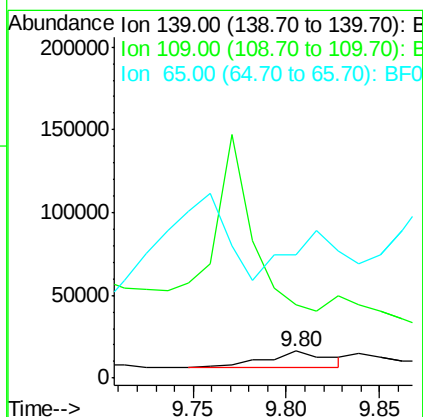
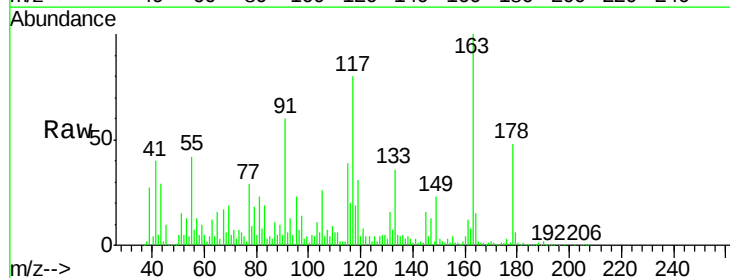
Tgt Ion:139 Resp: 24767

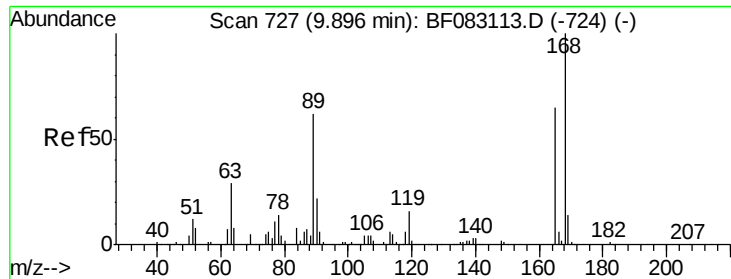
Ion Ratio Lower Upper

139 100

109 271.2 64.0 104.0#

65 457.6 109.5 149.5#

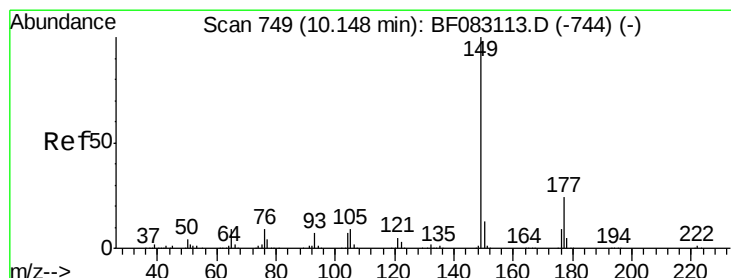
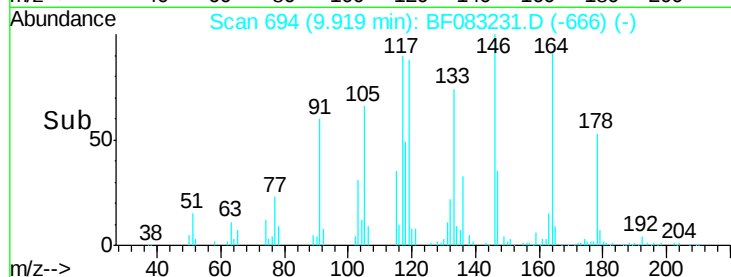
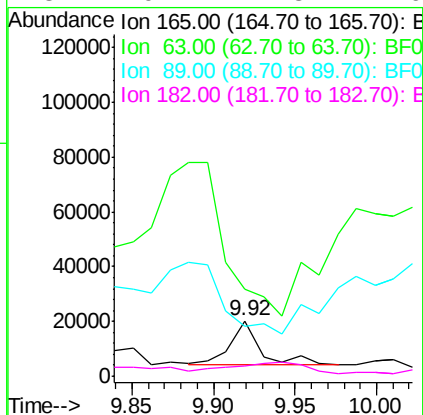
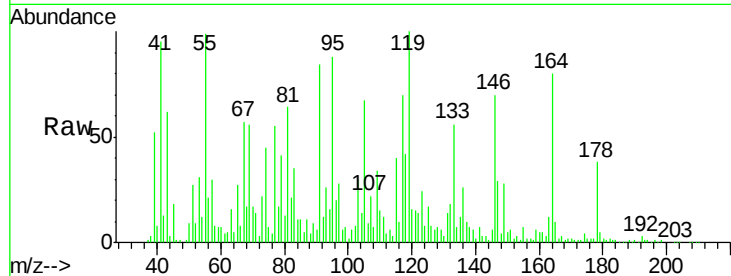




#56
2,4-Dinitrotoluene
Concen: 2.19 ng
RT: 9.92 min Scan# 694
Delta R.T. 0.02 min
Lab File: BF083231.D
Acq: 24 Nov 2015 4:27

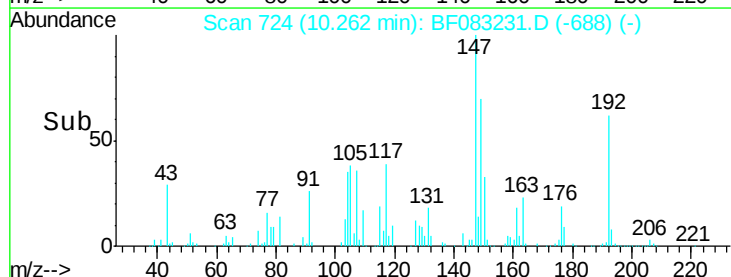
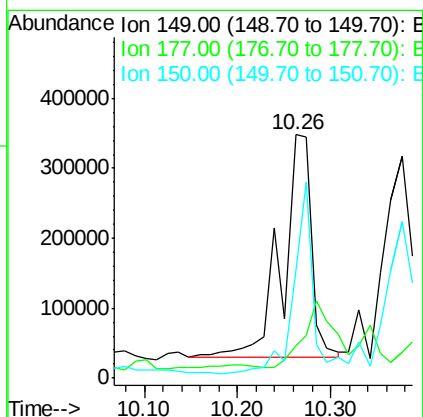
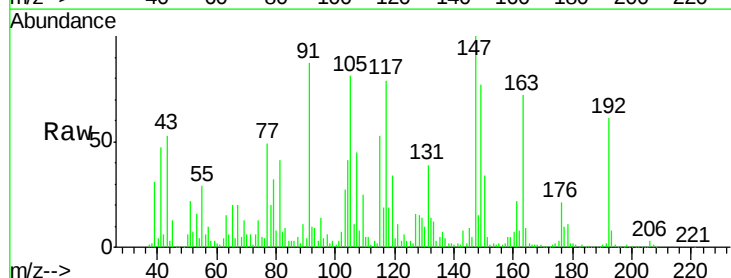
Instrument :
BNA_F
ClientSampled :

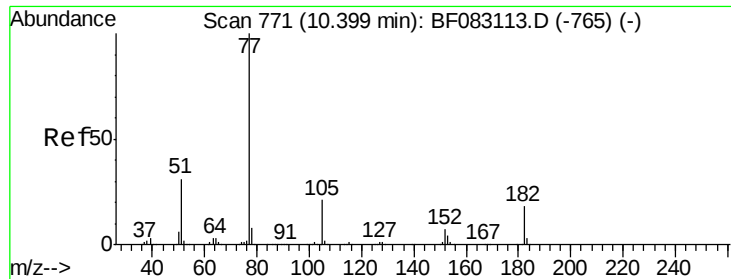
Tgt Ion:165 Resp: 20156
Ion Ratio Lower Upper
165 100
63 158.6 54.5 81.7#
89 89.6 77.3 115.9
182 19.2 1.8 2.6#



#59
Diethylphthalate
Concen: 21.55 ng
RT: 10.26 min Scan# 724
Delta R.T. 0.11 min
Lab File: BF083231.D
Acq: 24 Nov 2015 4:27

Tgt Ion:149 Resp: 693735
Ion Ratio Lower Upper
149 100
177 13.1 19.4 29.2#
150 44.3 10.2 15.2#





#62

Azobenzene

Concen: 6.27 ng

RT: 10.38 min Scan# 734

Delta R.T. -0.02 min

Lab File: BF083231.D

Acq: 24 Nov 2015 4:27

Instrument :

BNA_F

ClientSampleId :

Tgt Ion: 77 Resp: 230228

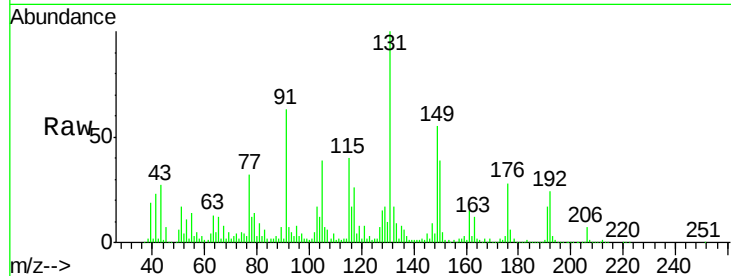
Ion Ratio Lower Upper

77 100

182 0.7 0.0 38.3

105 121.9 1.2 41.2#

51 54.2 11.1 51.1#

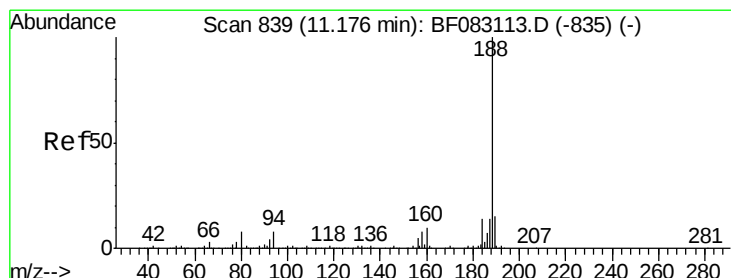
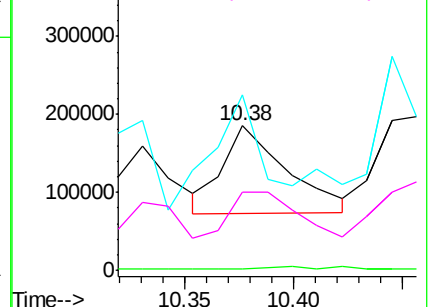
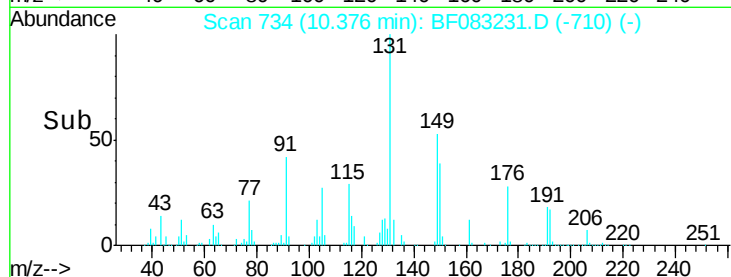


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.16 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF083231.D

Acq: 24 Nov 2015 4:27

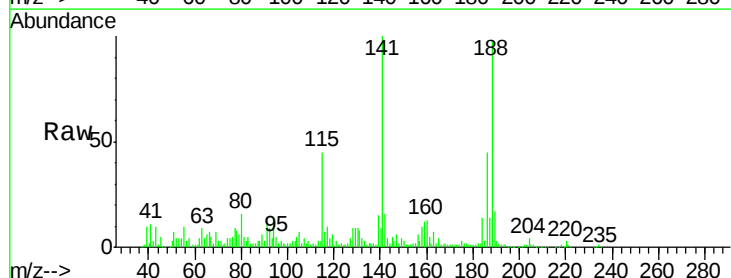
Tgt Ion: 188 Resp: 515417

Ion Ratio Lower Upper

188 100

94 14.8 6.0 9.0#

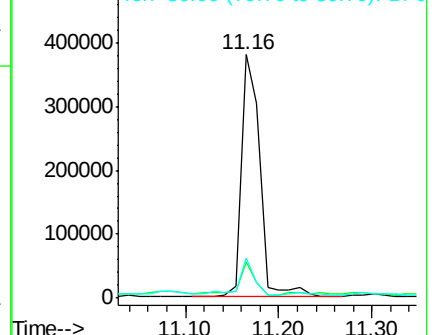
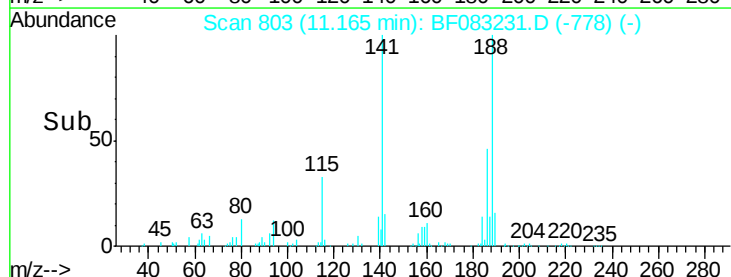
80 16.2 6.7 10.1#

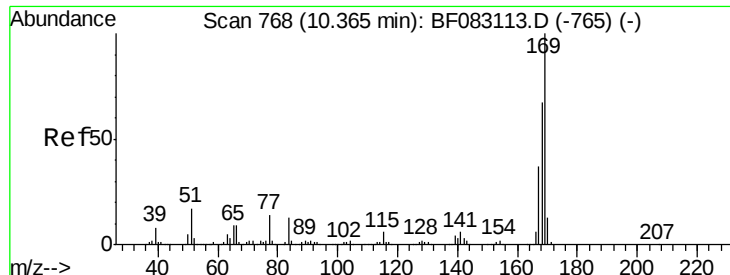


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

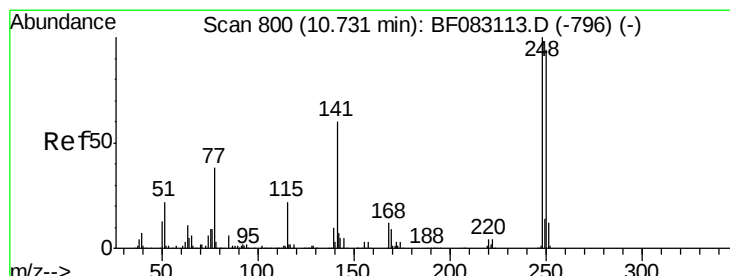
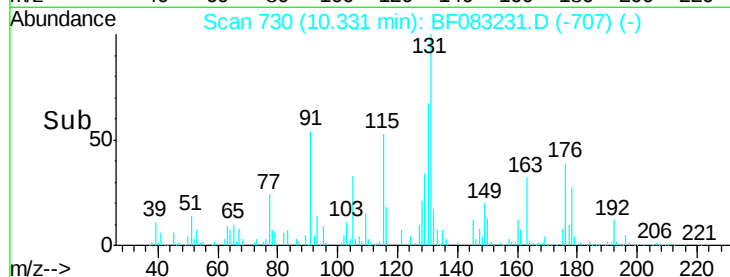
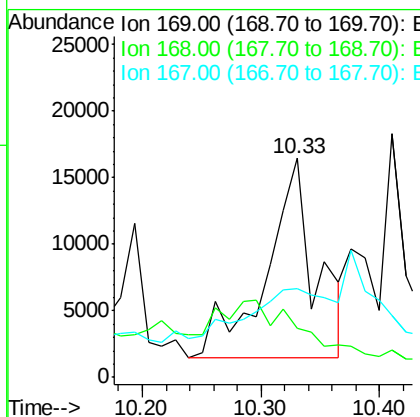
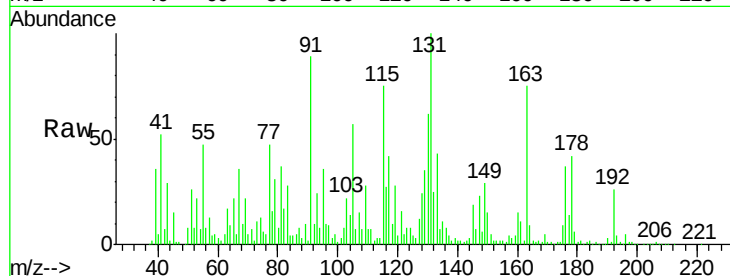




#65
 n-Nitrosodiphenylamine
 Concen: 2.44 ng
 RT: 10.33 min Scan# 730
 Delta R.T. -0.03 min
 Lab File: BF083231.D
 Acq: 24 Nov 2015 4:27

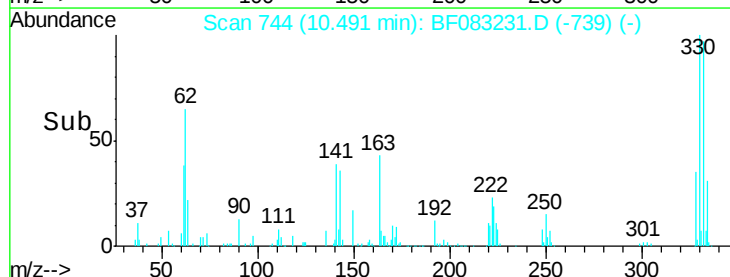
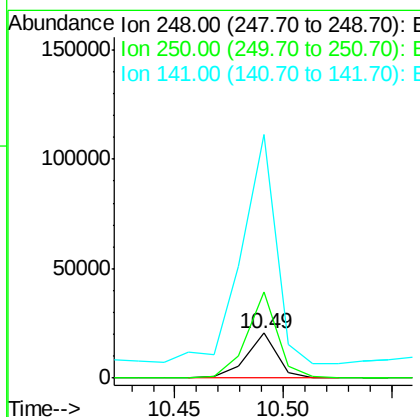
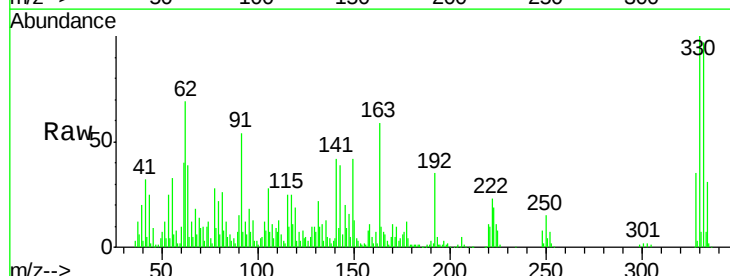
Instrument :
 BNA_F
 ClientSampled :

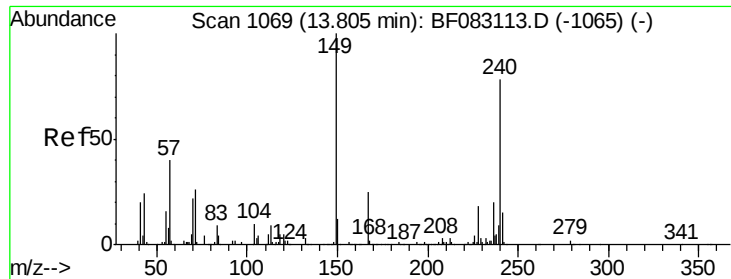
Tgt Ion:169 Resp: 42731
 Ion Ratio Lower Upper
 169 100
 168 22.4 53.8 80.6#
 167 40.2 29.8 44.8



#66
 4-Bromophenyl-phenylether
 Concen: 3.50 ng
 RT: 10.49 min Scan# 744
 Delta R.T. -0.24 min
 Lab File: BF083231.D
 Acq: 24 Nov 2015 4:27

Tgt Ion:248 Resp: 20029
 Ion Ratio Lower Upper
 248 100
 250 190.2 75.4 113.2#
 141 540.4 48.1 72.1#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.78 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF083231.D

Acq: 24 Nov 2015 4:27

Instrument :

BNA_F

ClientSampleId :

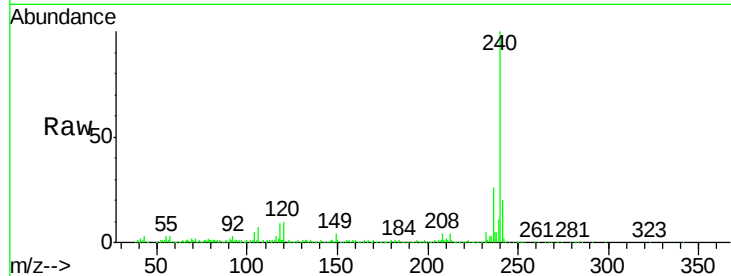
Tgt Ion:240 Resp: 478697

Ion Ratio Lower Upper

240 100

120 10.1 5.4 8.2#

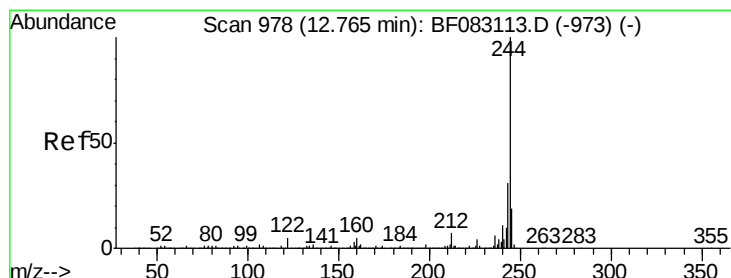
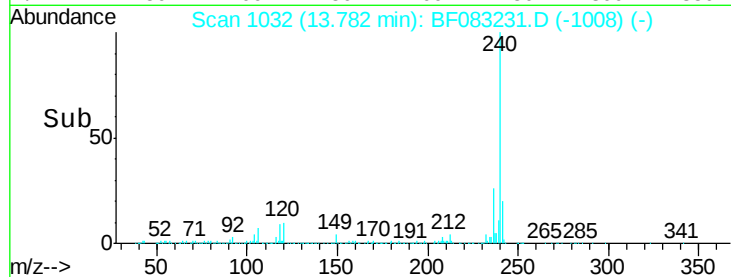
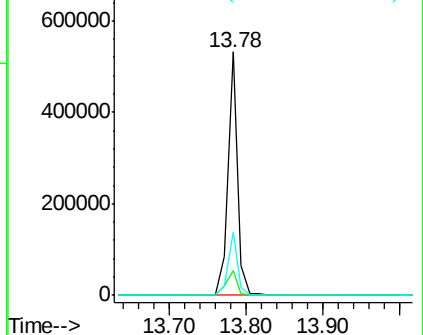
236 25.7 20.6 31.0



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



#78

Terphenyl-d14

Concen: 48.30 ng

RT: 12.74 min Scan# 941

Delta R.T. -0.02 min

Lab File: BF083231.D

Acq: 24 Nov 2015 4:27

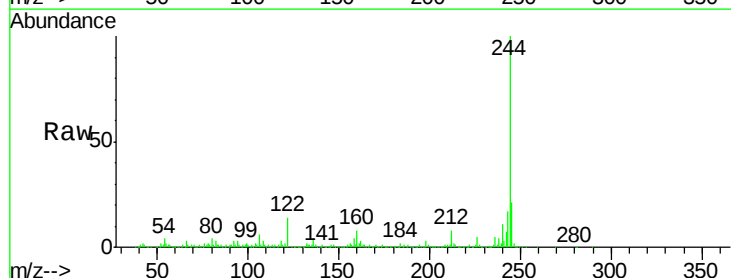
Tgt Ion:244 Resp: 981868

Ion Ratio Lower Upper

244 100

212 7.8 5.4 8.2

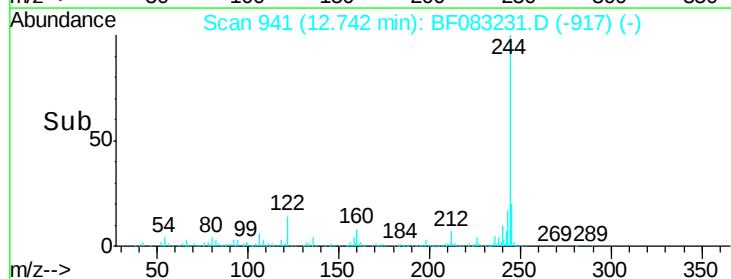
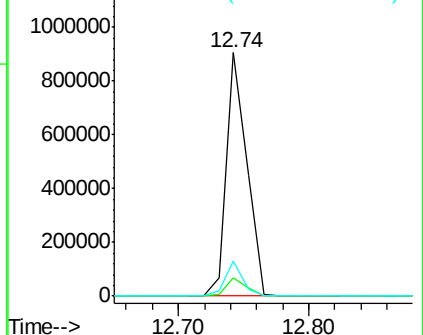
122 14.4 4.3 6.5#

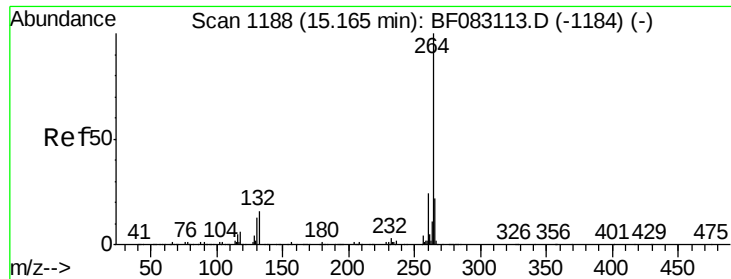


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

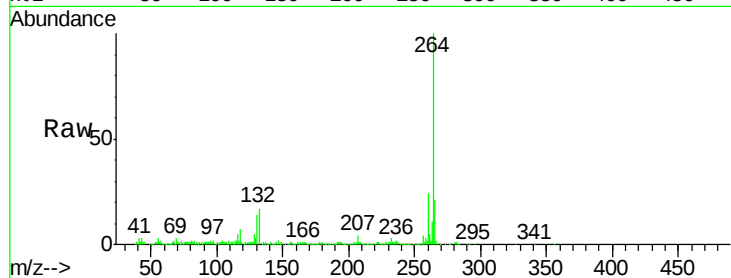




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.14 min Scan# 1151
Delta R.T. -0.02 min
Lab File: BF083231.D
Acq: 24 Nov 2015 4:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	21.1	18.2	27.4



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

