

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112015\
 Data File : BF083101.D
 Acq On : 21 Nov 2015 3:32
 Operator : UM/IZ
 Sample : G4485-05
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 21 04:14:28 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	144649	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	494884	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	240661	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	355003	20.00	ng	0.01
75) Chrysene-d12	13.86	240	382608	20.00	ng	0.00
86) Perylene-d12	15.24	264	294055	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	699614	75.12	ng	0.01
7) Phenol-d6	6.36	99	613441	50.01	ng	0.01
23) Nitrobenzene-d5	7.26	82	899896	83.25	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	284362	111.29	ng	0.01
44) 2-Fluorobiphenyl	9.08	172	1521892	85.17	ng	0.00
78) Terphenyl-d14	12.82	244	1023179	63.13	ng	0.01

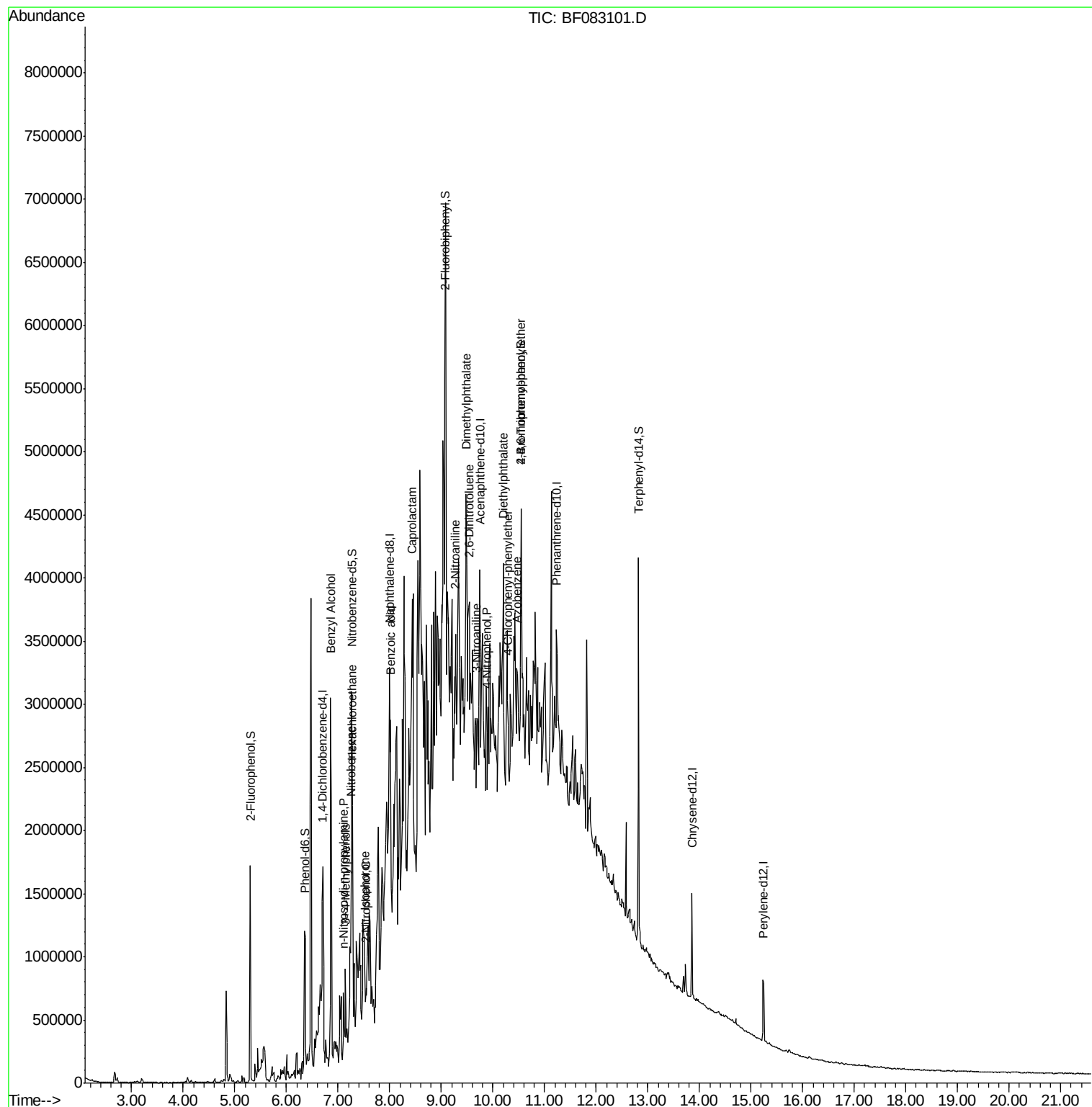
Target Compounds						Qvalue
9) Benzaldehyde	6.24	77	3540	Below Cal		100
15) Benzyl Alcohol	6.85	79	33408	3.31 ng	#	61
18) Hexachloroethane	7.28	117	95102	21.97 ng	#	6
19) n-Nitroso-di-n-propylamine	7.10	70	39532	4.41 ng	#	46
20) 3+4-Methylphenols	7.14	107	138921	12.29 ng		87
24) Nitrobenzene	7.25	77	33911	3.11 ng	#	38
25) Isophorone	7.52	82	60289	2.96 ng	#	1
26) 2-Nitrophenol	7.54	139	13920	2.92 ng	#	50
32) Benzoic acid	8.02	122	1611733	336.26 ng		99
35) Caprolactam	8.43	113	91534	37.69 ng	#	1
47) 2-Nitroaniline	9.28	65	20892	3.44 ng	#	47
49) Dimethylphthalate	9.48	163	126398	6.38 ng	#	81
50) 2,6-Dinitrotoluene	9.54	165	14990	3.51 ng	#	61
52) 3-Nitroaniline	9.69	138	19878	4.08 ng	#	2
55) 4-Nitrophenol	9.88	139	12327	3.69 ng	#	1
59) Diethylphthalate	10.20	149	91849	4.75 ng	#	18
60) 4-Chlorophenyl-phenylether	10.28	204	18148	2.14 ng	#	80
62) Azobenzene	10.46	77	81861	3.78 ng	#	39
66) 4-Bromophenyl-phenylether	10.54	248	17342	4.22 ng	#	1

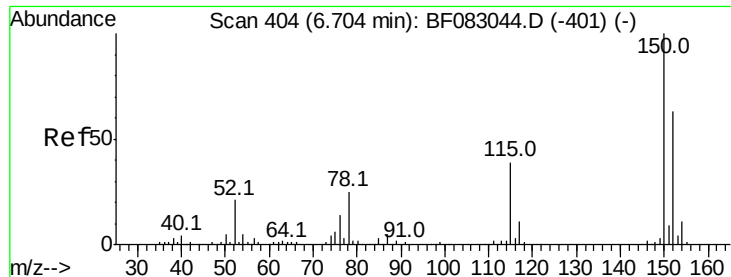
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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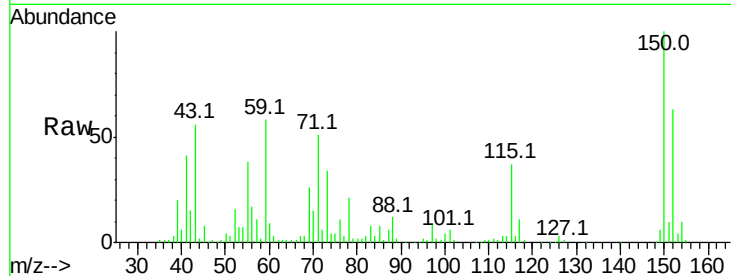


#1

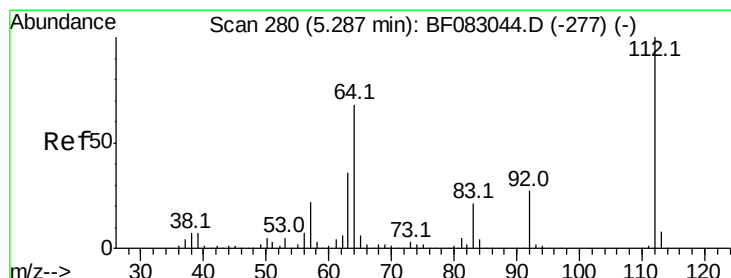
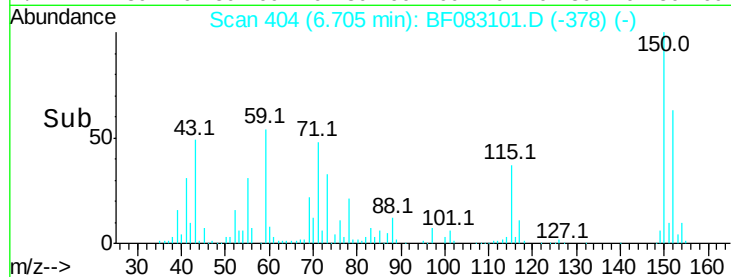
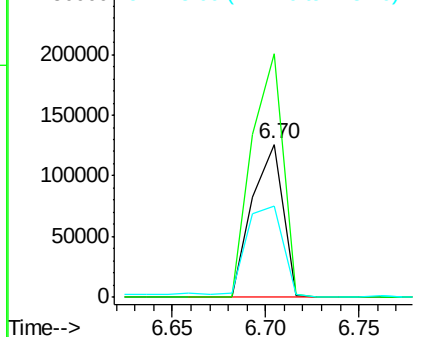
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 404
Delta R.T. 0.00 min
Lab File: BF083101.D
Acq: 21 Nov 2015 3:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 144649
Ion Ratio Lower Upper
152 100
150 159.2 126.4 189.6
115 59.6 49.0 73.6



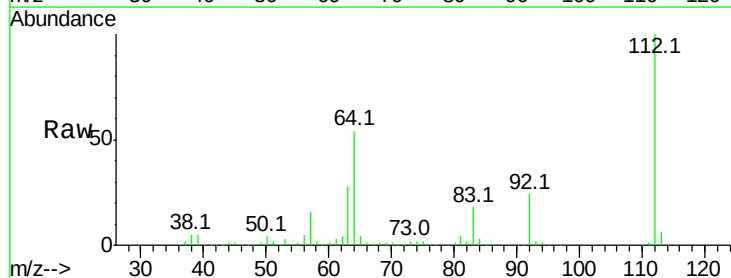
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



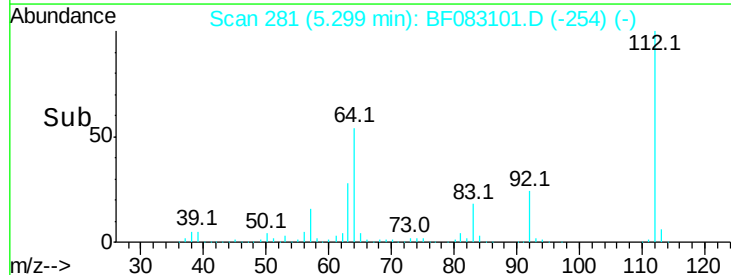
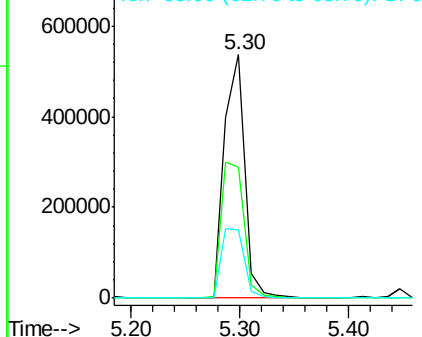
#5

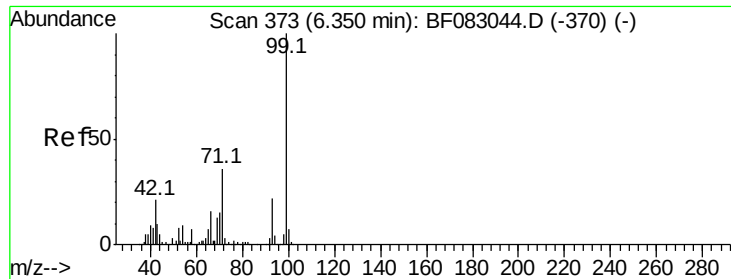
2-Fluorophenol
Concen: 75.12 ng
RT: 5.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: BF083101.D
Acq: 21 Nov 2015 3:32

Tgt Ion:112 Resp: 699614
Ion Ratio Lower Upper
112 100
64 53.6 54.8 82.2#
63 27.8 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: 50.01 ng

RT: 6.36 min Scan# 374

Delta R.T. 0.01 min

Lab File: BF083101.D

Acq: 21 Nov 2015 3:32

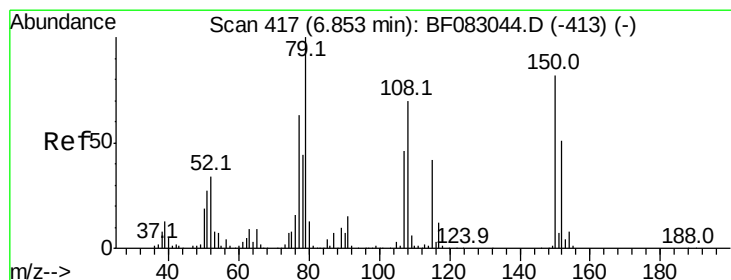
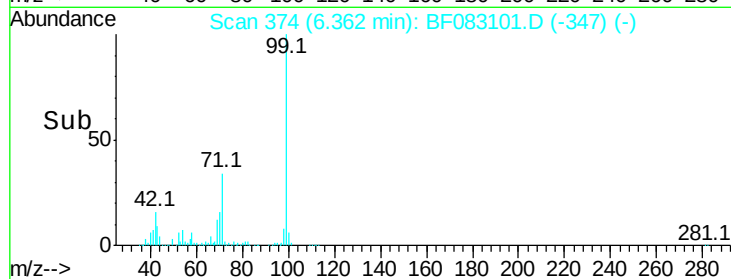
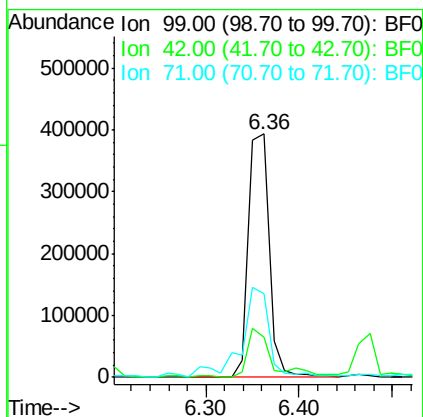
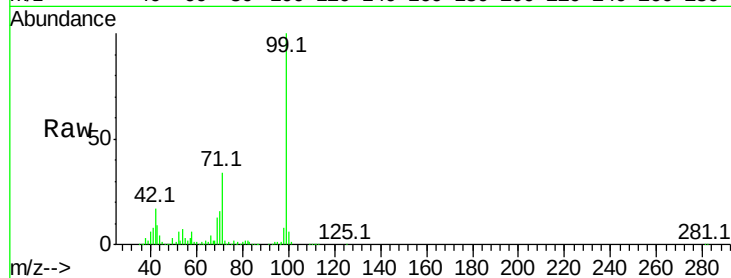
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 613441

Ion	Ratio	Lower	Upper
99	100		
42	16.6	16.6	25.0#
71	34.5	29.2	43.8



#15

Benzyl Alcohol

Concen: 3.31 ng

RT: 6.85 min Scan# 417

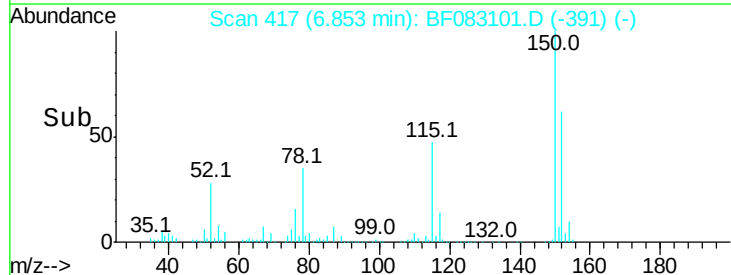
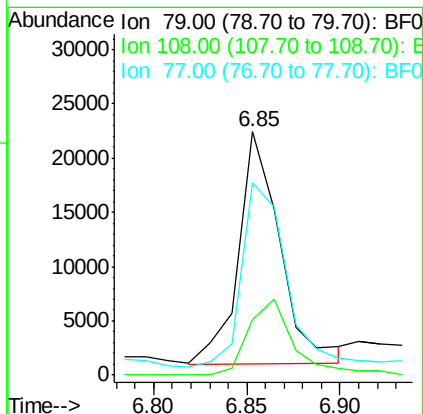
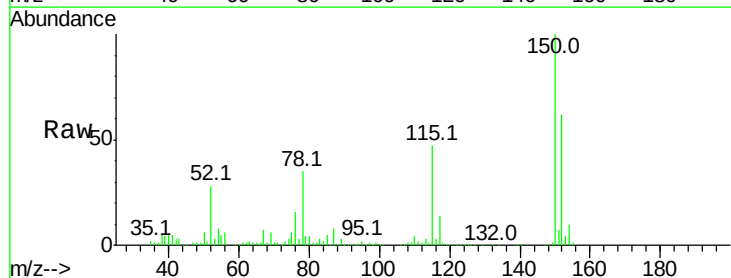
Delta R.T. 0.00 min

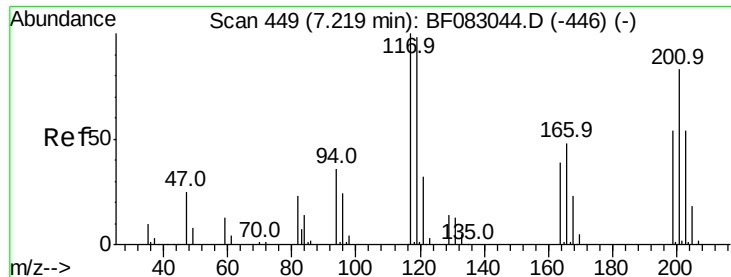
Lab File: BF083101.D

Acq: 21 Nov 2015 3:32

Tgt Ion: 79 Resp: 33408

Ion	Ratio	Lower	Upper
79	100		
108	22.8	55.7	83.5#
77	79.0	50.7	76.1#





#18

Hexachloroethane

Concen: 21.97 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.06 min

Lab File: BF083101.D

Acq: 21 Nov 2015 3:32

Instrument :
BNA_F
ClientSampleId :

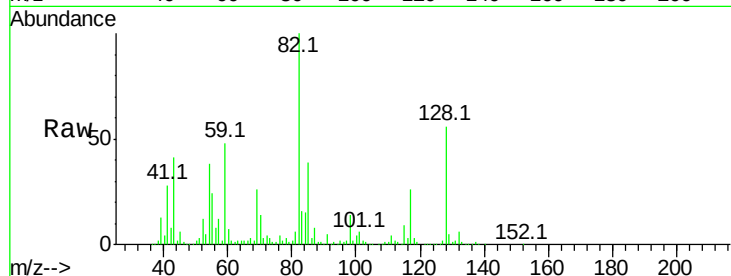
Tot Ion:117 Resp: 95102

Ion Ratio Lower Upper

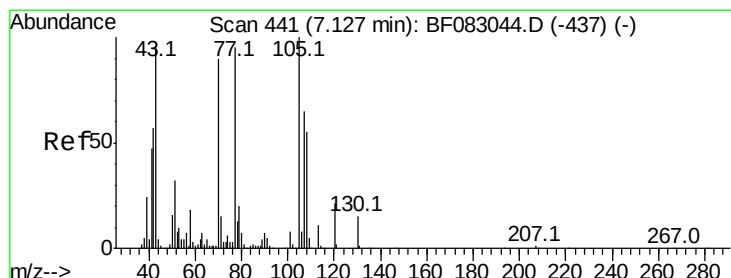
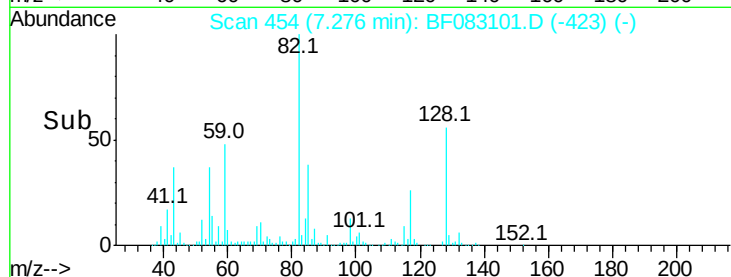
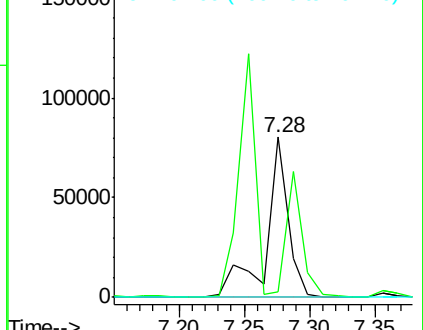
117 100

119 3.7 78.3 117.5#

201 0.0 66.5 99.7#



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



#19

n-Nitroso-di-n-propylamine

Concen: 4.41 ng

RT: 7.10 min Scan# 439

Delta R.T. -0.02 min

Lab File: BF083101.D

Acq: 21 Nov 2015 3:32

Tgt Ion: 70 Resp: 39532

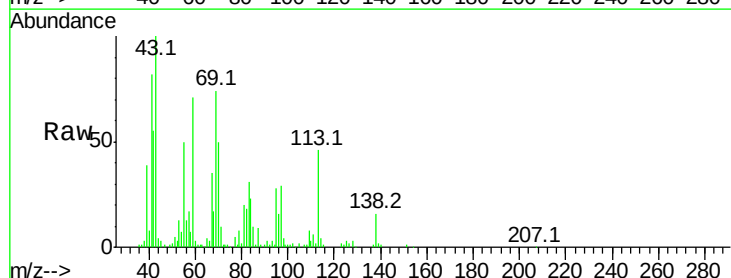
Ion Ratio Lower Upper

70 100

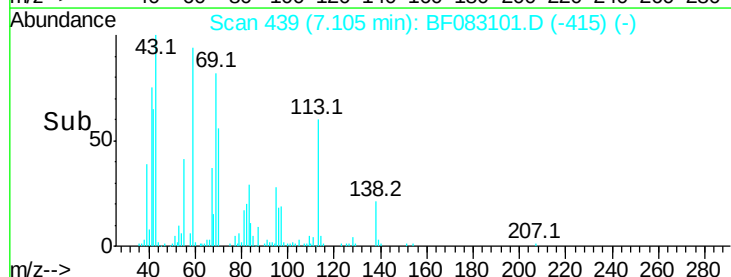
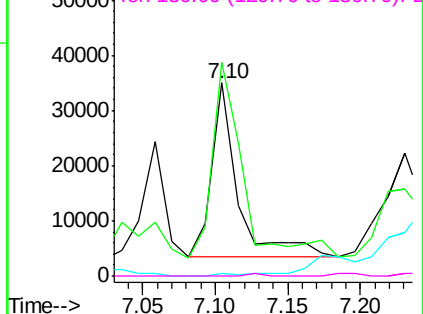
42 110.7 50.2 75.2#

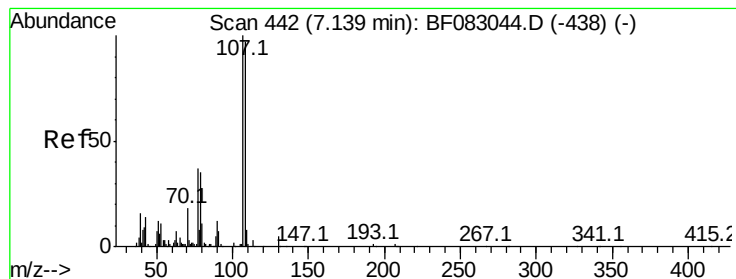
101 1.1 6.8 10.2#

130 0.0 12.9 19.3#



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





#20

3+4-Methylphenols

Concen: 12.29 ng

RT: 7.14 min Scan# 442

Delta R.T. 0.00 min

Lab File: BF083101.D

Acq: 21 Nov 2015 3:32

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 138921

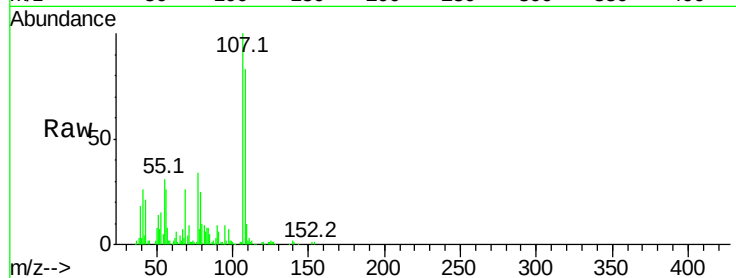
Ion Ratio Lower Upper

107 100

108 82.8 77.4 117.4

77 33.8 16.7 56.7

79 25.2 15.2 55.2

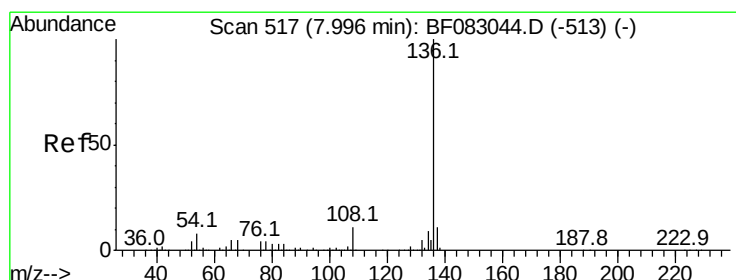
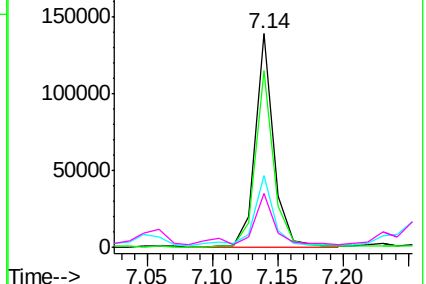
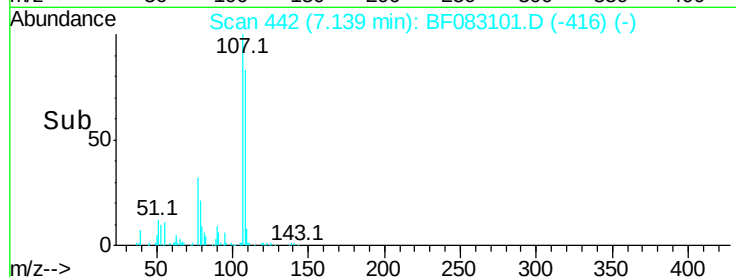


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 517

Delta R.T. 0.00 min

Lab File: BF083101.D

Acq: 21 Nov 2015 3:32

Tgt Ion:136 Resp: 494884

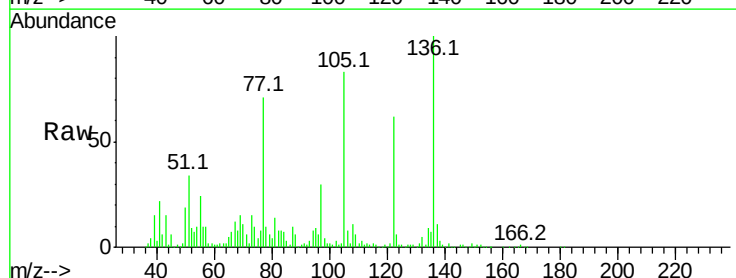
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 9.5 6.2 9.2#

68 7.7 4.2 6.2#

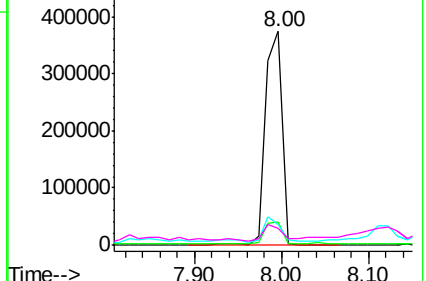
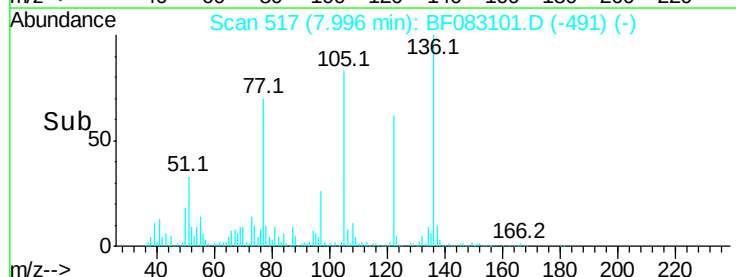


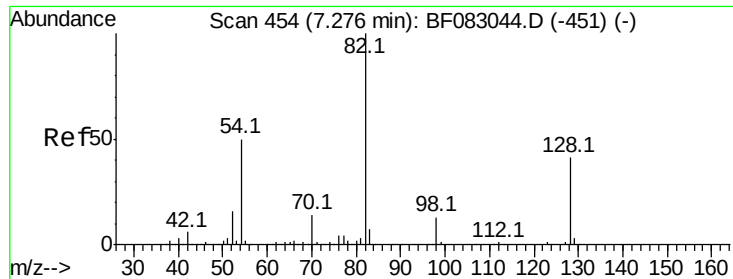
Abundance Ion 136.00 (135.70 to 136.70): E

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

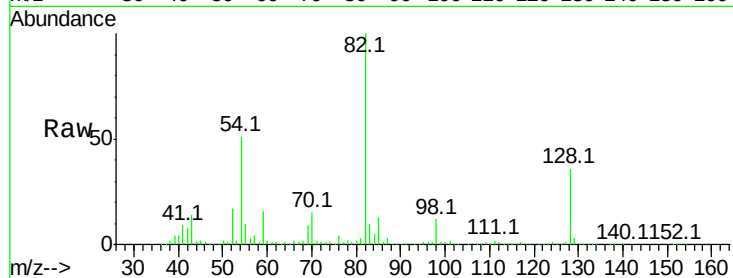




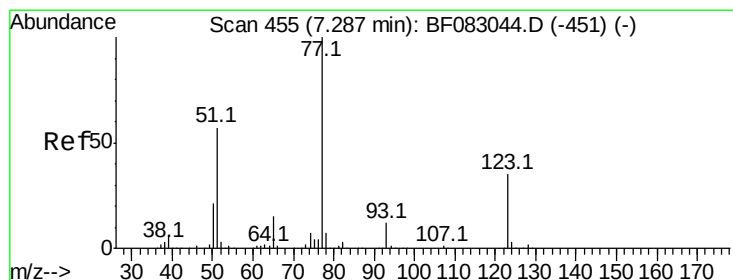
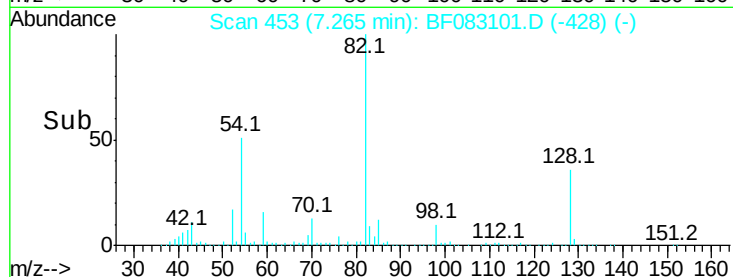
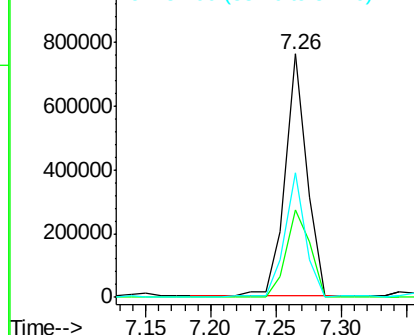
#23
Nitrobenzene-d5
Concen: 83.25 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.01 min
Lab File: BF083101.D
Acq: 21 Nov 2015 3:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.8	33.1	49.7
54	51.4	39.8	59.6

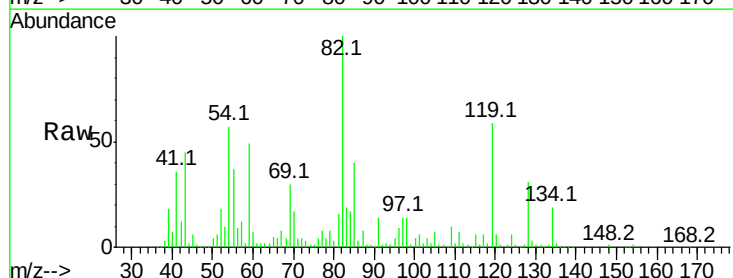


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

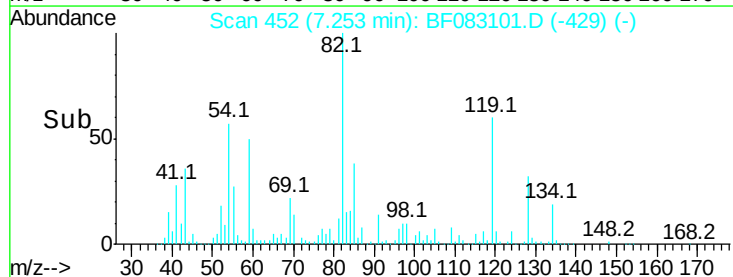
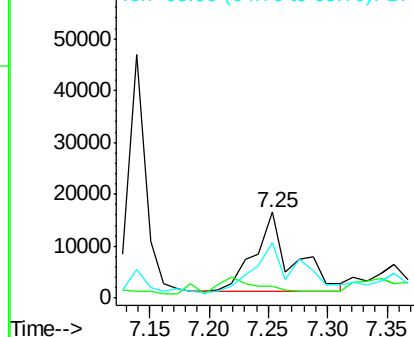


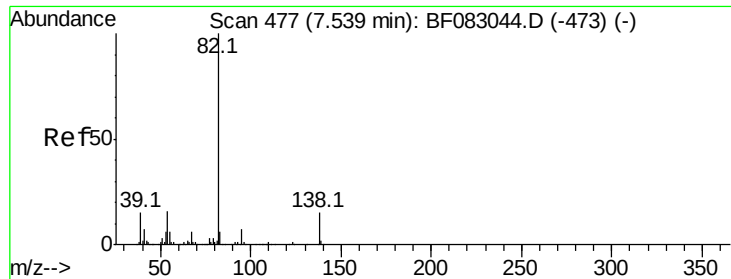
#24
Nitrobenzene
Concen: 3.11 ng
RT: 7.25 min Scan# 452
Delta R.T. -0.03 min
Lab File: BF083101.D
Acq: 21 Nov 2015 3:32

Tgt Ion	Ratio	Lower	Upper
77	100		
123	13.5	28.2	42.4#
65	64.7	11.8	17.8#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 2.96 ng

RT: 7.52 min Scan# 475

Delta R.T. -0.02 min

Lab File: BF083101.D

Acq: 21 Nov 2015 3:32

Instrument :

BNA_F

ClientSampleId :

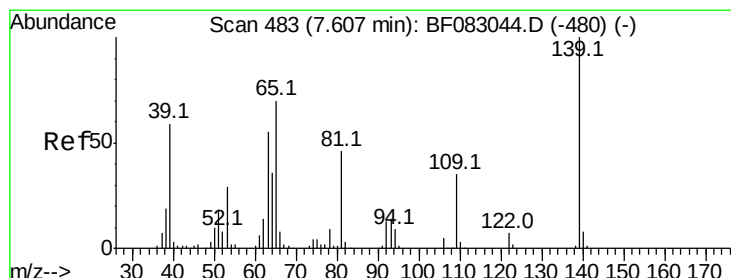
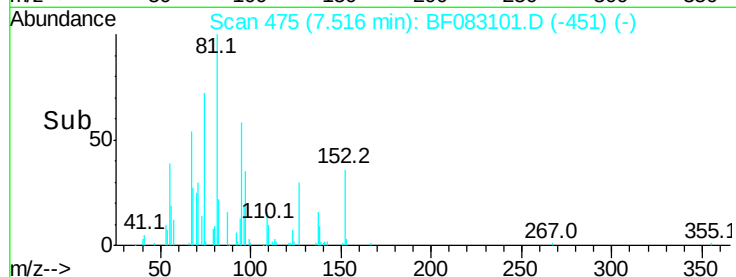
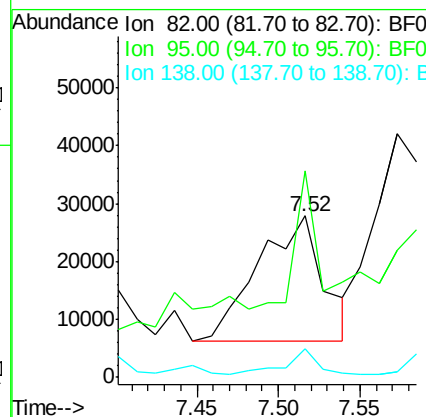
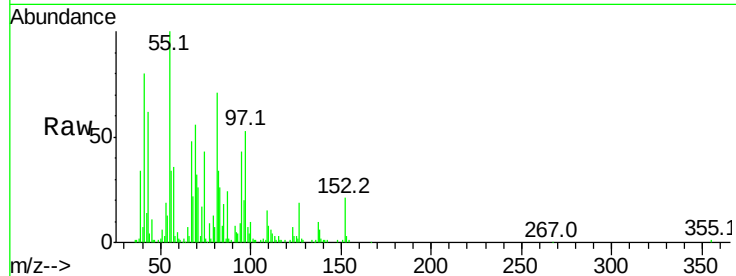
Tot Ion: 82 Resp: 60289

Ion Ratio Lower Upper

82 100

95 127.7 5.7 8.5#

138 17.7 12.2 18.4



#26

2-Nitrophenol

Concen: 2.92 ng

RT: 7.54 min Scan# 477

Delta R.T. -0.07 min

Lab File: BF083101.D

Acq: 21 Nov 2015 3:32

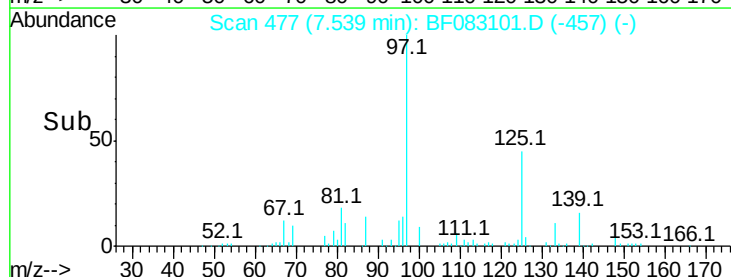
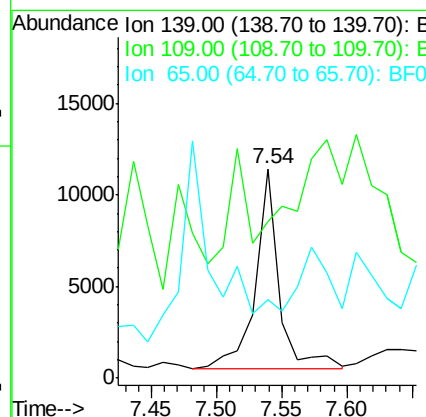
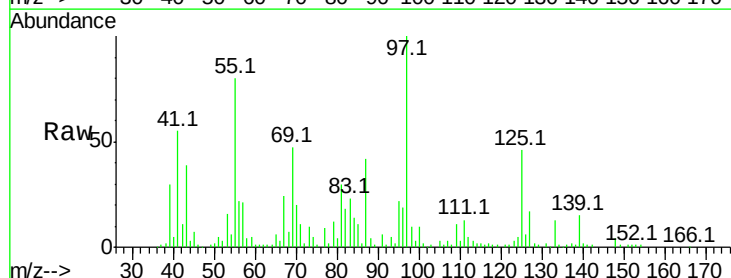
Tgt Ion: 139 Resp: 13920

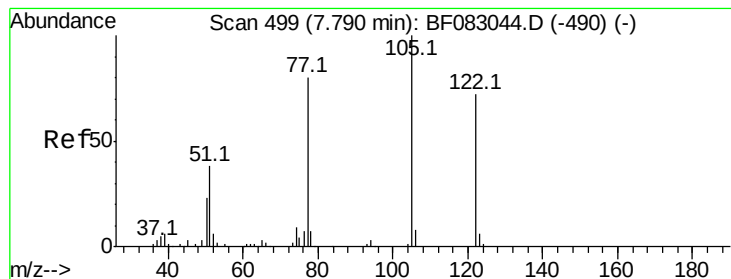
Ion Ratio Lower Upper

139 100

109 74.6 27.8 41.6#

65 37.3 56.4 84.6#





#32

Benzoic acid

Concen: 336.26 ng

RT: 8.02 min Scan# 519

Delta R.T. 0.23 min

Lab File: BF083101.D

Acq: 21 Nov 2015 3:32

Instrument :

BNA_F

ClientSampleId :

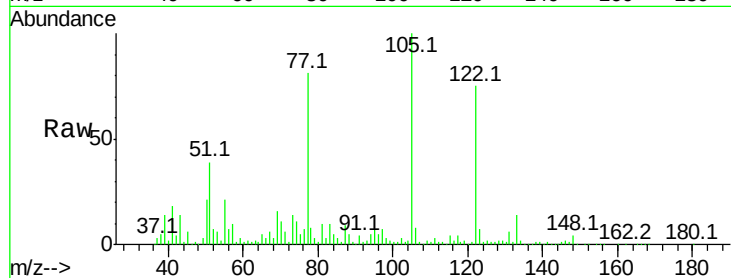
Tot Ion:122 Resp: 1611733

Ion Ratio Lower Upper

122 100

105 134.1 115.0 155.0

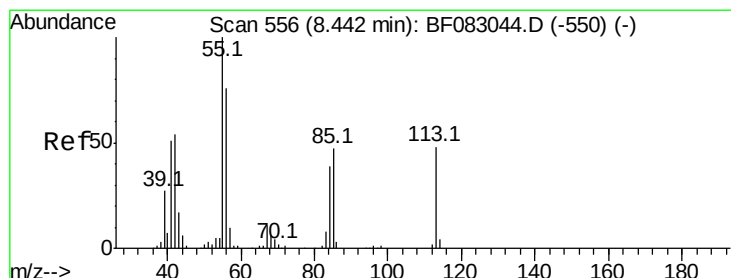
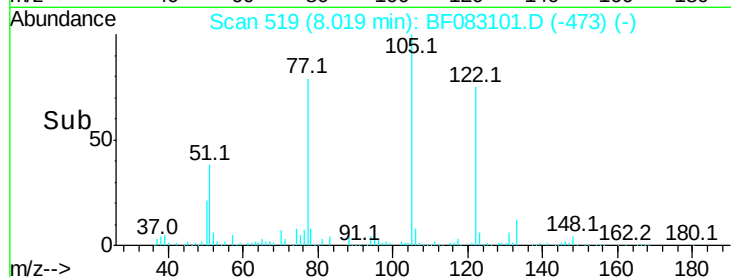
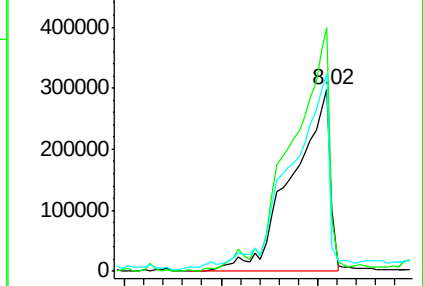
77 108.7 89.0 129.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#35

Caprolactam

Concen: 37.69 ng

RT: 8.43 min Scan# 555

Delta R.T. -0.01 min

Lab File: BF083101.D

Acq: 21 Nov 2015 3:32

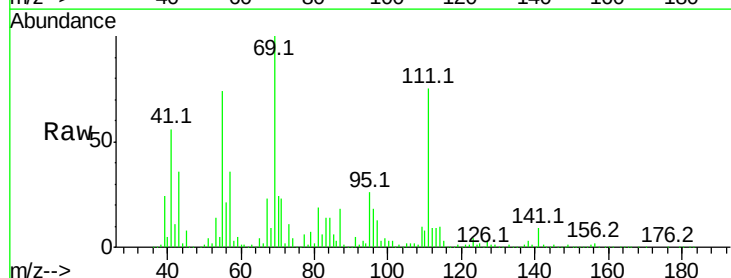
Tgt Ion:113 Resp: 91534

Ion Ratio Lower Upper

113 100

55 815.2 189.1 229.1#

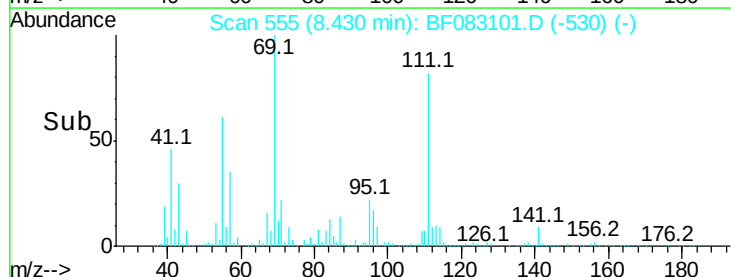
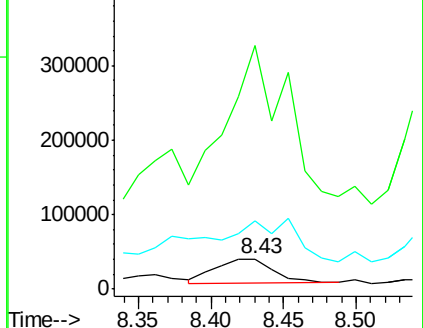
56 227.8 137.9 177.9#

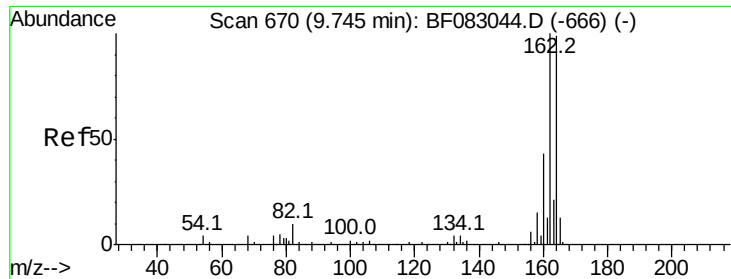


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.74 min Scan# 670

Delta R.T. 0.00 min

Lab File: BF083101.D

Acq: 21 Nov 2015 3:32

Instrument :

BNA_F

ClientSampleId :

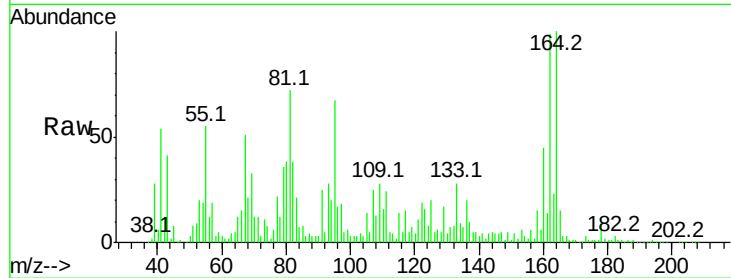
Tot Ion:164 Resp: 240661

Ion Ratio Lower Upper

164 100

162 99.3 80.5 120.7

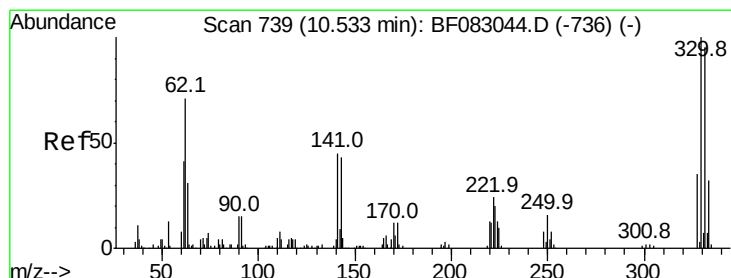
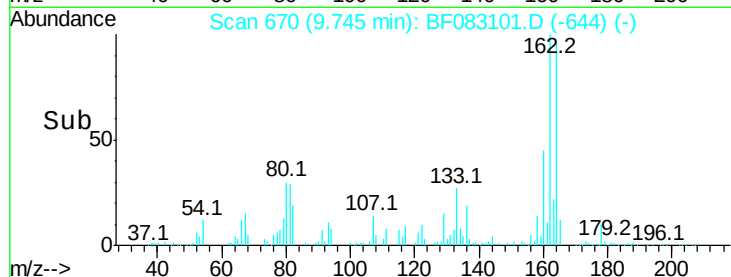
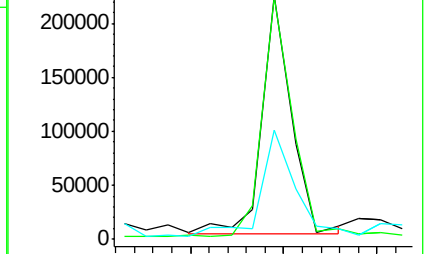
160 44.8 35.0 52.4



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: 111.29 ng

RT: 10.54 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF083101.D

Acq: 21 Nov 2015 3:32

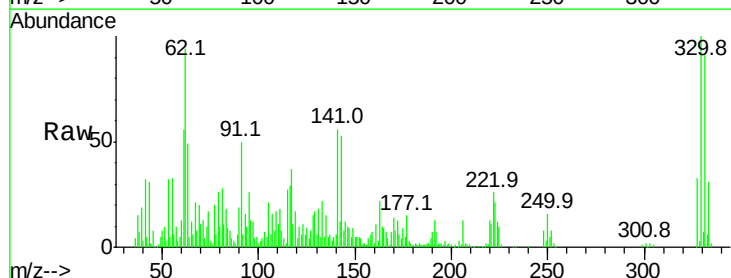
Tgt Ion:330 Resp: 284362

Ion Ratio Lower Upper

330 100

332 93.0 77.6 116.4

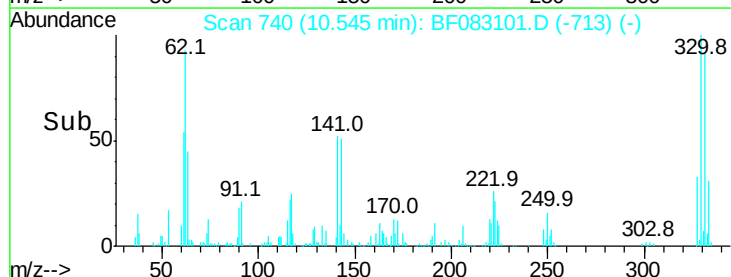
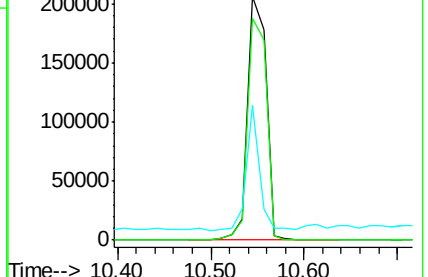
141 36.6 34.6 52.0

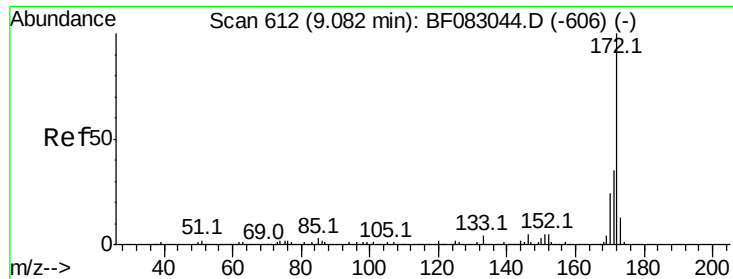


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

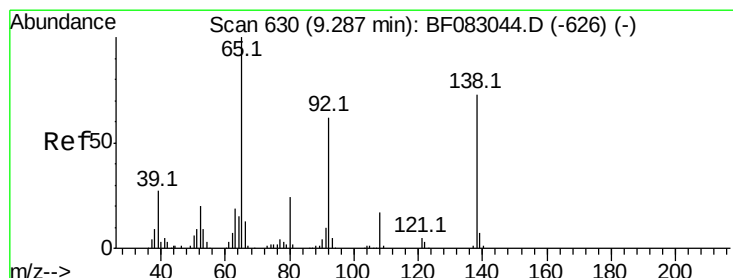
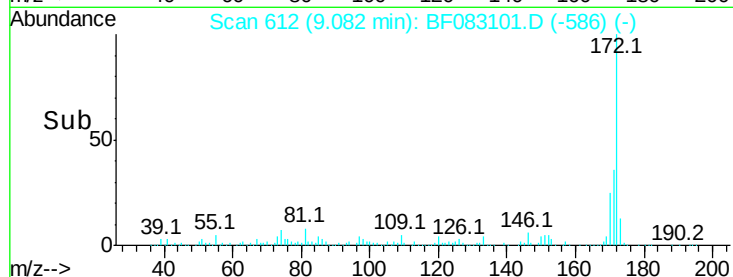
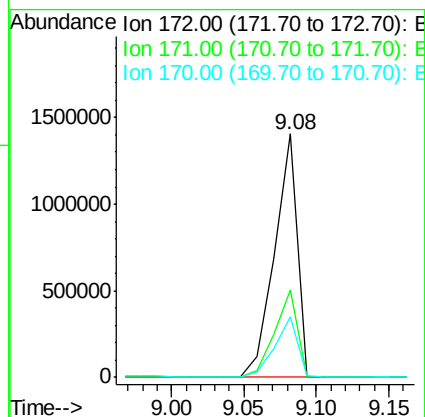
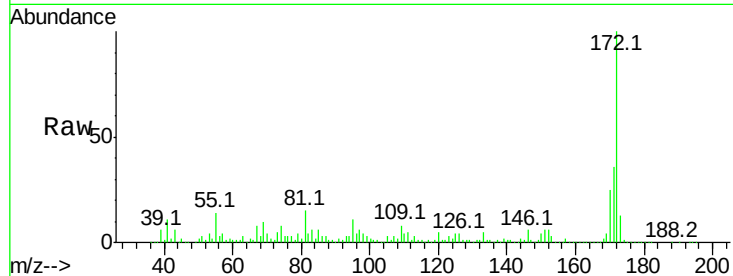




#44
2-Fluorobiphenyl
Concen: 85.17 ng
RT: 9.08 min Scan# 612
Delta R.T. 0.00 min
Lab File: BF083101.D
Acq: 21 Nov 2015 3:32

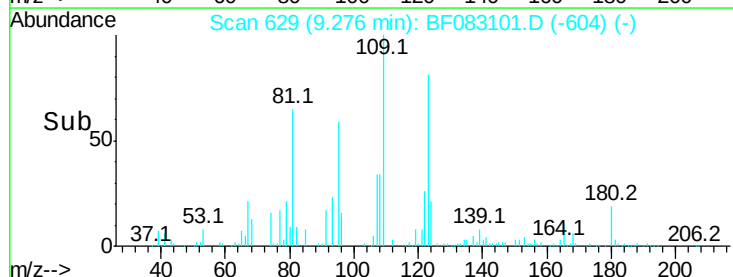
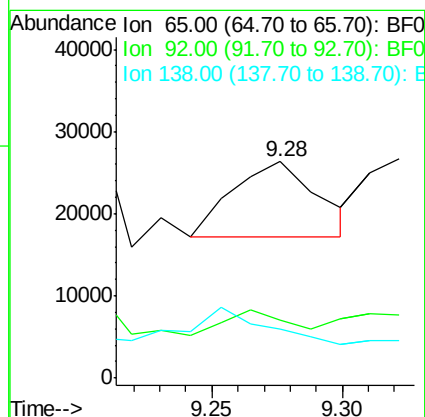
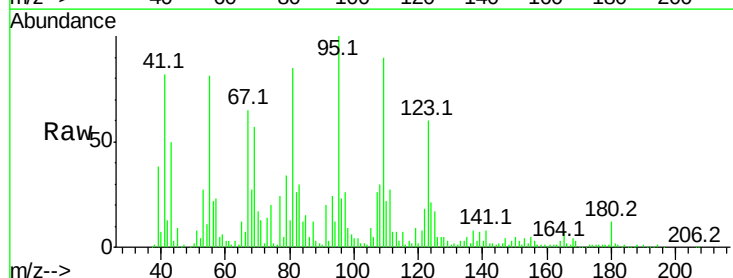
Instrument :
BNA_F
ClientSampleId :

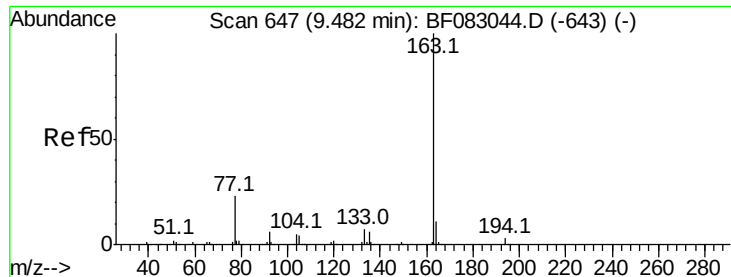
Tot Ion:172 Resp: 1521892
Ion Ratio Lower Upper
172 100
171 36.0 28.2 42.4
170 24.9 19.4 29.0



#47
2-Nitroaniline
Concen: 3.44 ng
RT: 9.28 min Scan# 629
Delta R.T. -0.01 min
Lab File: BF083101.D
Acq: 21 Nov 2015 3:32

Tgt Ion: 65 Resp: 20892
Ion Ratio Lower Upper
65 100
92 27.0 49.6 74.4#
138 22.8 58.8 88.2#





#49

Dimethylphthalate

Concen: 6.38 ng

RT: 9.48 min Scan# 647

Delta R.T. 0.00 min

Lab File: BF083101.D

Acq: 21 Nov 2015 3:32

Instrument :

BNA_F

ClientSampleId :

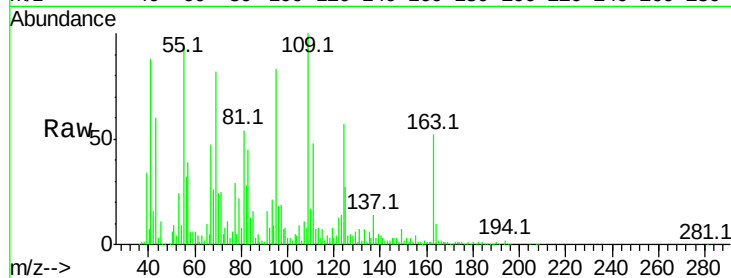
Tot Ion:163 Resp: 126398

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

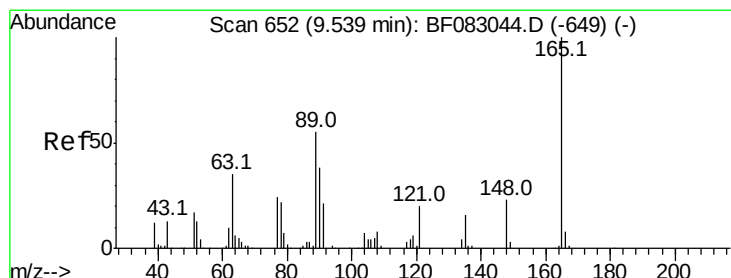
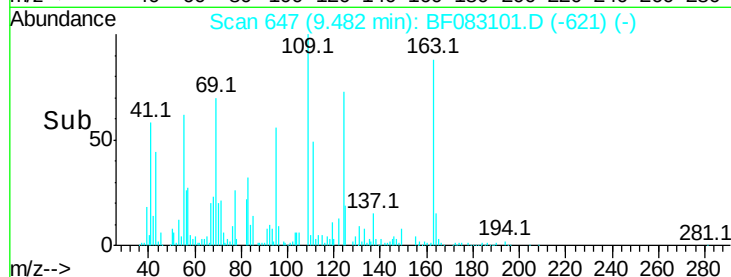
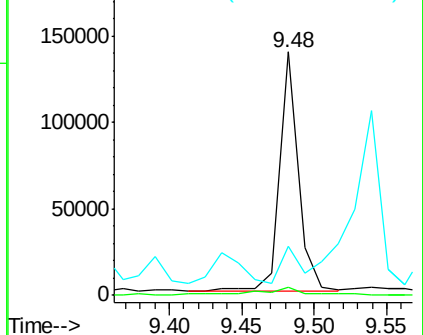
164 20.1 8.5 12.7#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 3.51 ng

RT: 9.54 min Scan# 652

Delta R.T. 0.00 min

Lab File: BF083101.D

Acq: 21 Nov 2015 3:32

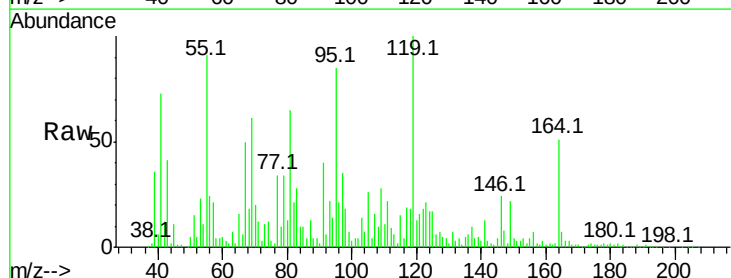
Tgt Ion:165 Resp: 14990

Ion Ratio Lower Upper

165 100

63 106.9 40.6 61.0#

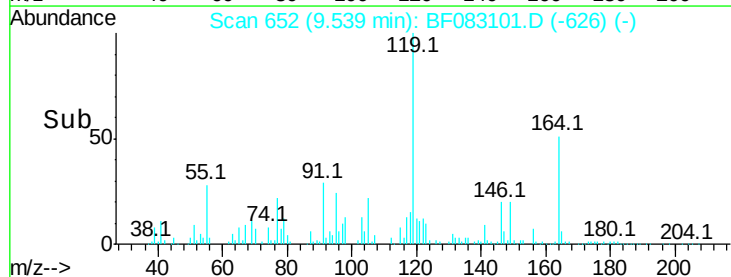
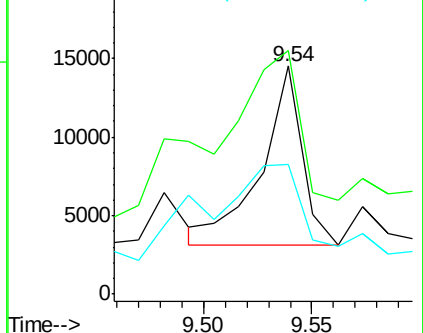
89 56.8 44.5 66.7

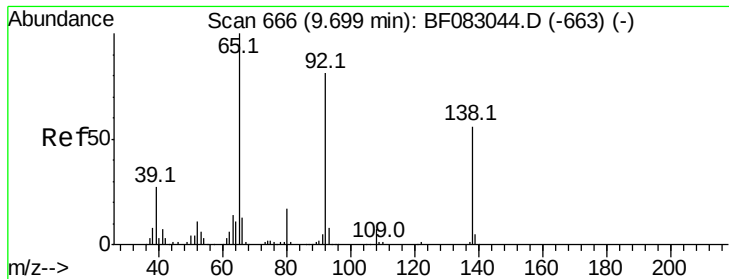


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

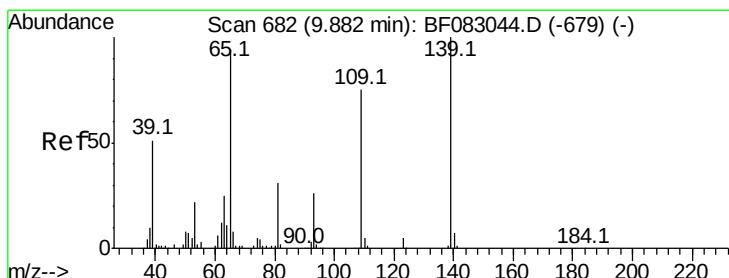
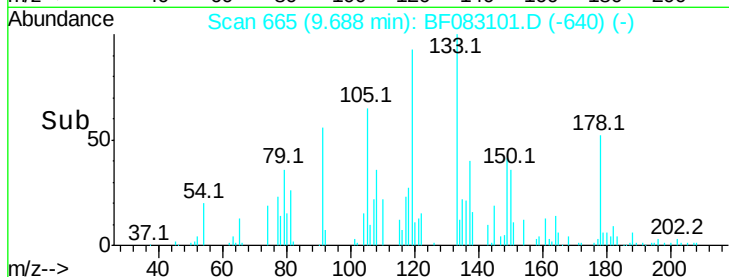
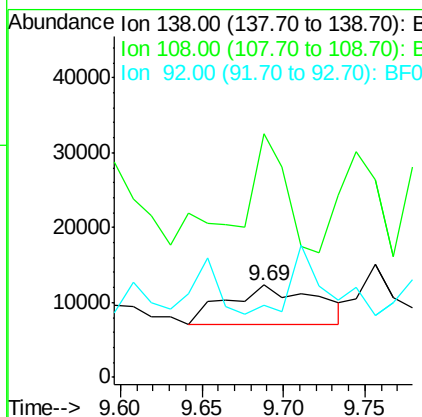
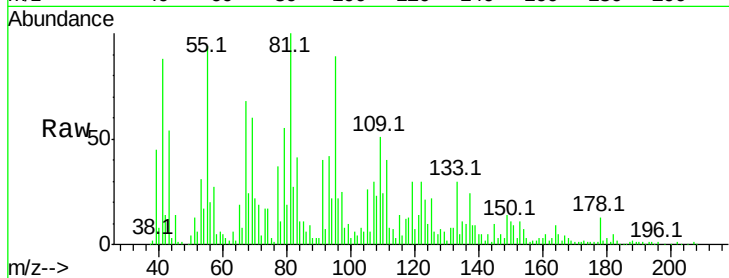




#52
3-Nitroaniline
Concen: 4.08 ng
RT: 9.69 min Scan# 665
Delta R.T. -0.01 min
Lab File: BF083101.D
Acq: 21 Nov 2015 3:32

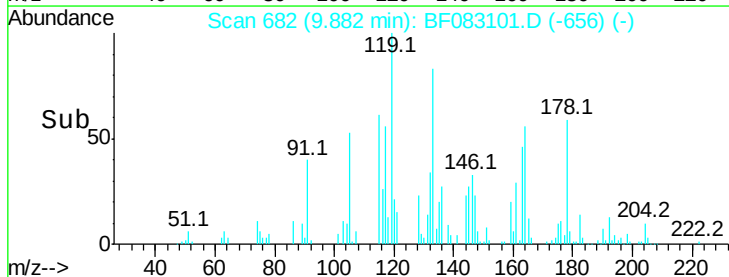
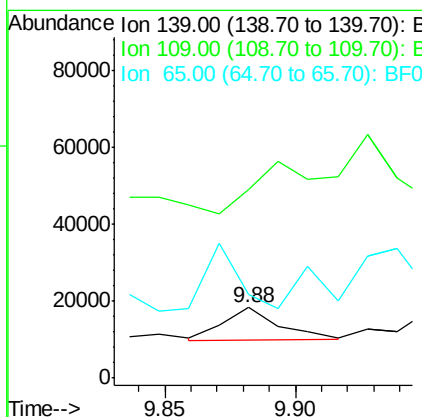
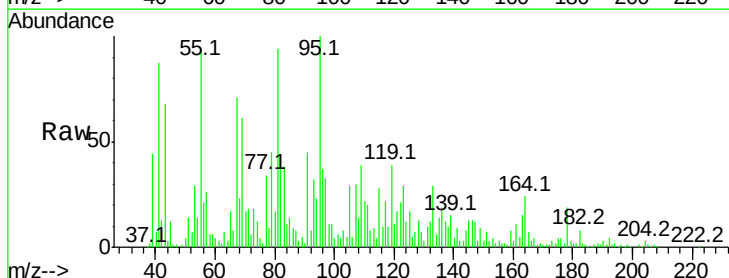
Instrument :
BNA_F
ClientSampled :

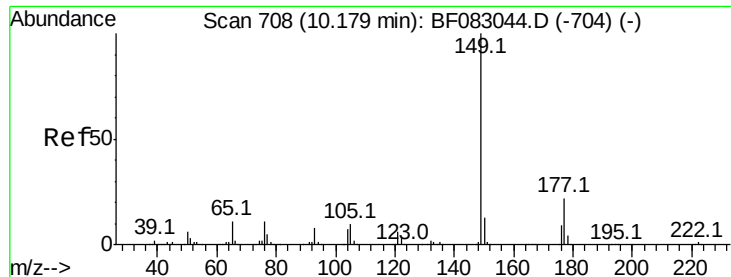
Tot Ion:138 Resp: 19878
Ion Ratio Lower Upper
138 100
108 263.5 9.4 14.0#
92 77.9 115.2 172.8#



#55
4-Nitrophenol
Concen: 3.69 ng
RT: 9.88 min Scan# 682
Delta R.T. 0.00 min
Lab File: BF083101.D
Acq: 21 Nov 2015 3:32

Tgt Ion:139 Resp: 12327
Ion Ratio Lower Upper
139 100
109 266.6 54.6 94.6#
65 118.6 74.4 114.4#

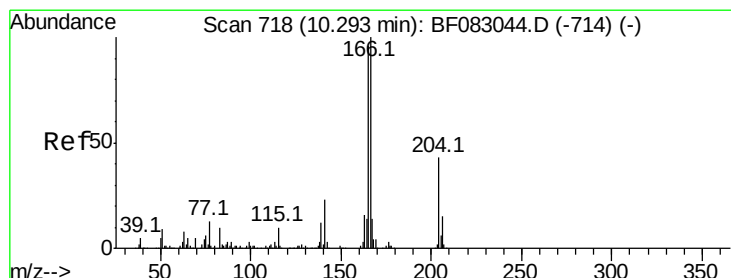
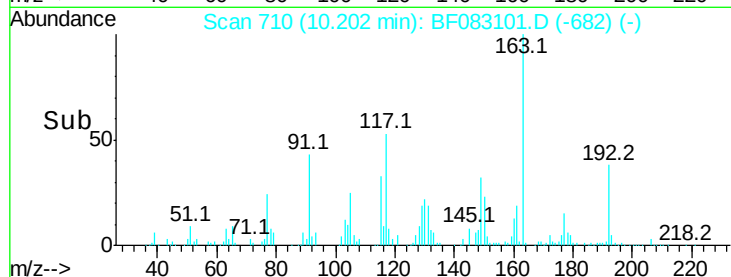
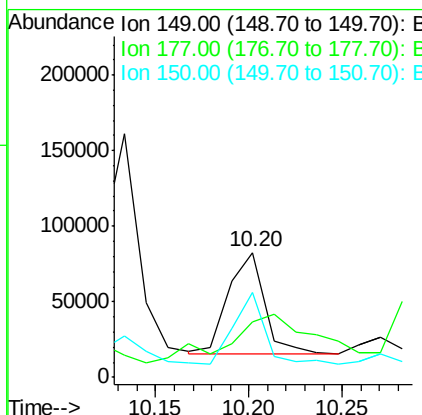
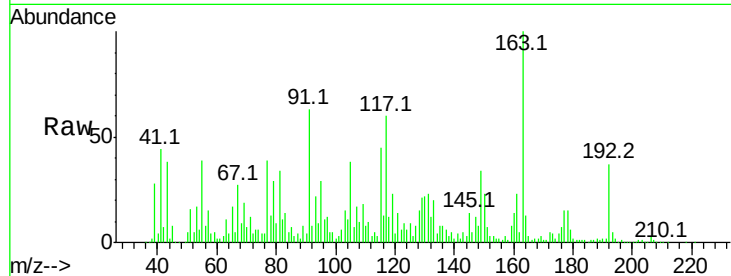




#59
Diethylphthalate
Concen: 4.75 ng
RT: 10.20 min Scan# 710
Delta R.T. 0.02 min
Lab File: BF083101.D
Acq: 21 Nov 2015 3:32

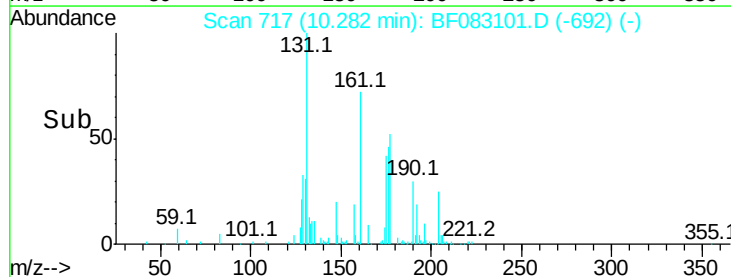
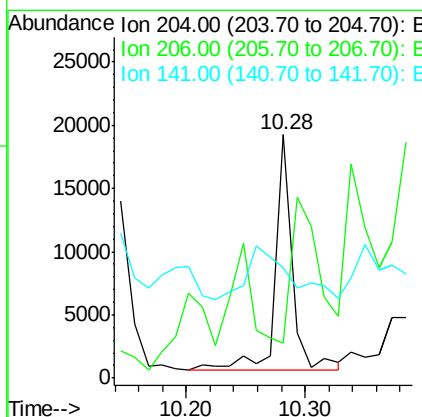
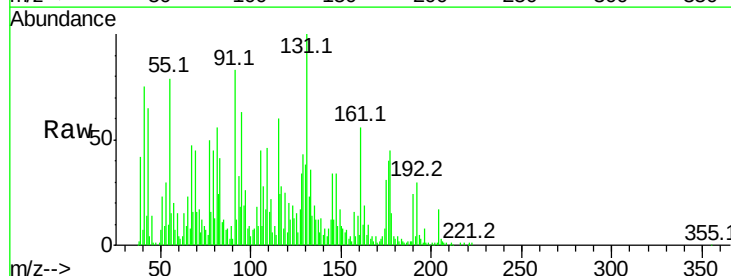
Instrument :
BNA_F
ClientSampled :

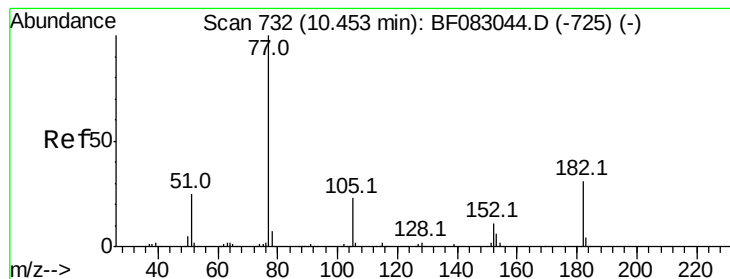
Tot Ion:149 Resp: 91849
Ion Ratio Lower Upper
149 100
177 44.9 17.4 26.2#
150 68.0 10.2 15.2#



#60
4-Chlorophenyl-phenylether
Concen: 2.14 ng
RT: 10.28 min Scan# 717
Delta R.T. -0.01 min
Lab File: BF083101.D
Acq: 21 Nov 2015 3:32

Tgt Ion:204 Resp: 18148
Ion Ratio Lower Upper
204 100
206 14.3 28.2 42.4#
141 45.3 41.8 62.8





#62

Azobenzene

Concen: 3.78 ng

RT: 10.46 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF083101.D

Acq: 21 Nov 2015 3:32

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 81861

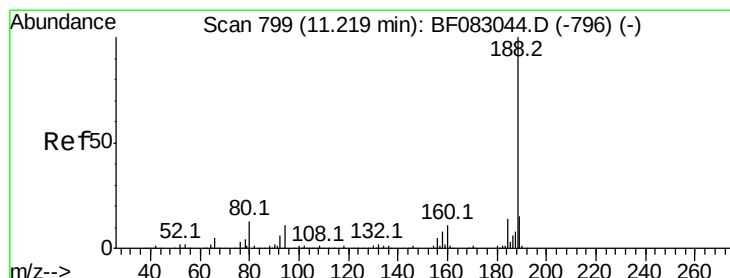
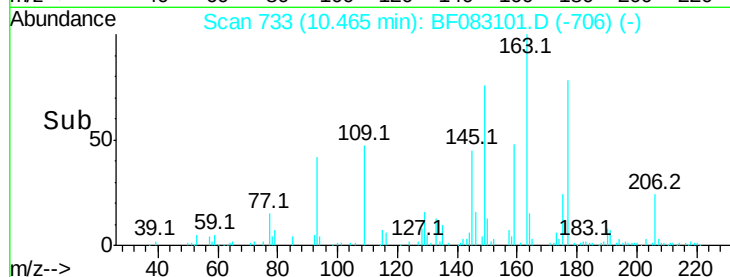
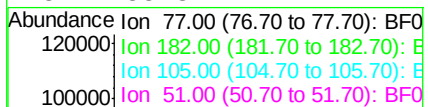
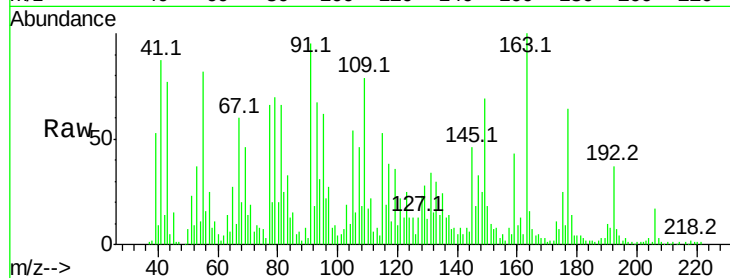
Ion Ratio Lower Upper

77 100

182 4.0 10.8 50.8#

105 82.2 3.4 43.4#

51 35.3 4.7 44.7



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.23 min Scan# 800

Delta R.T. 0.01 min

Lab File: BF083101.D

Acq: 21 Nov 2015 3:32

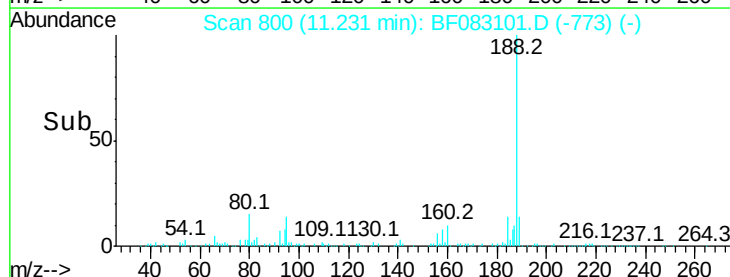
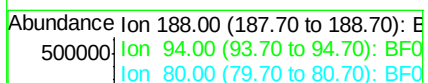
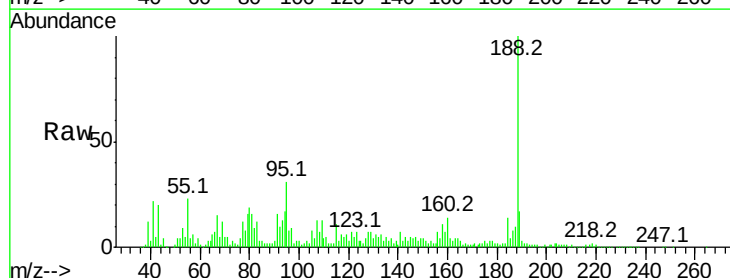
Tgt Ion: 188 Resp: 355003

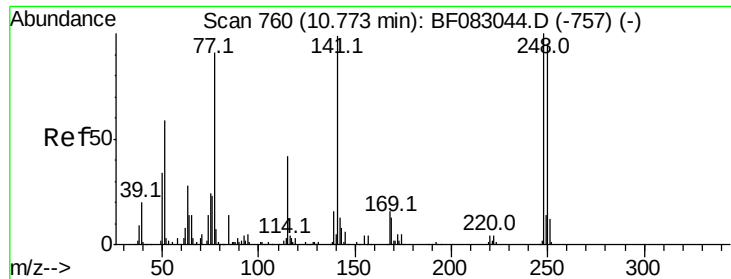
Ion Ratio Lower Upper

188 100

94 17.1 9.0 13.4#

80 19.3 10.2 15.4#

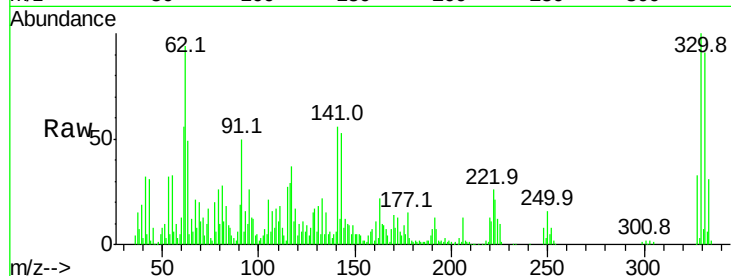




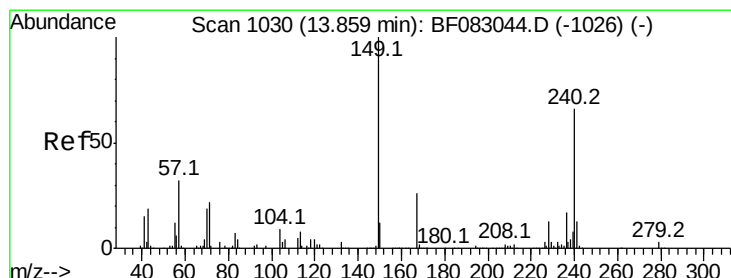
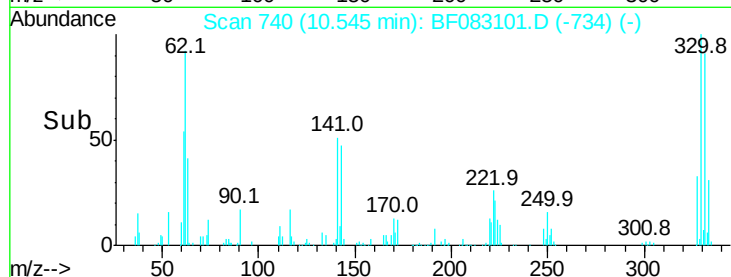
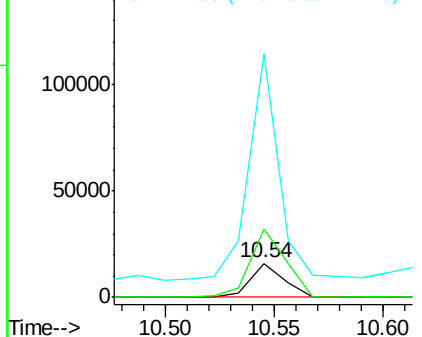
#66
 4-Bromophenyl-phenylether
 Concen: 4.22 ng
 RT: 10.54 min Scan# 740
 Delta R.T. -0.23 min
 Lab File: BF083101.D
 Acq: 21 Nov 2015 3:32

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 17342
 Ion Ratio Lower Upper
 248 100
 250 198.9 76.1 114.1#
 141 710.3 79.2 118.8#

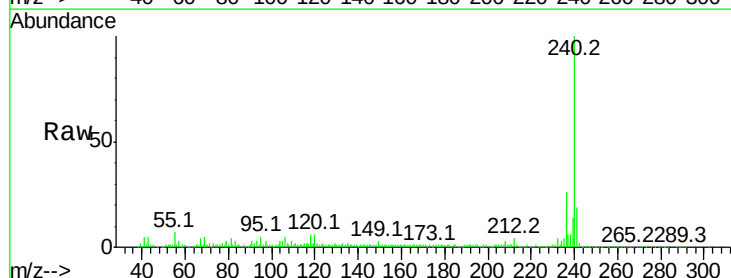


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

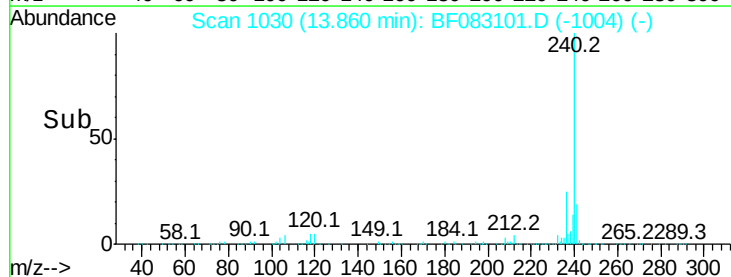
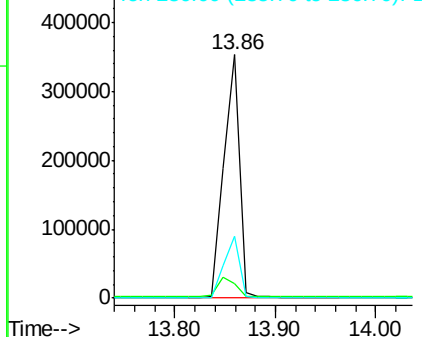


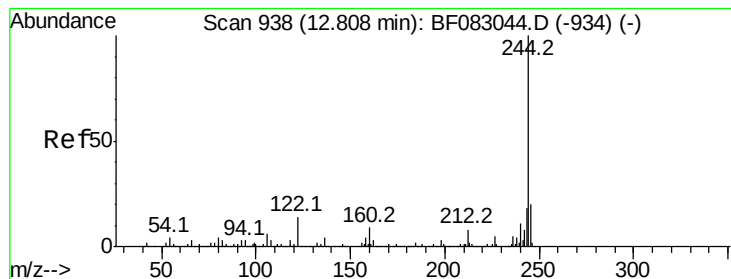
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.86 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: BF083101.D
 Acq: 21 Nov 2015 3:32

Tgt Ion:240 Resp: 382608
 Ion Ratio Lower Upper
 240 100
 120 6.1 5.3 7.9
 236 25.5 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





#78

Terphenyl-d14

Concen: 63.13 ng

RT: 12.82 min Scan# 939

Delta R.T. 0.01 min

Lab File: BF083101.D

Acq: 21 Nov 2015 3:32

Instrument :

BNA_F

ClientSampleId :

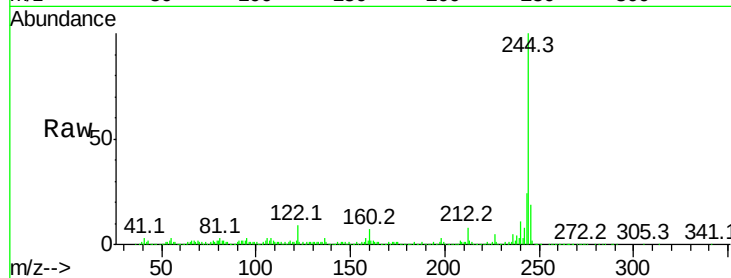
Tot Ion:244 Resp: 1023179

Ion Ratio Lower Upper

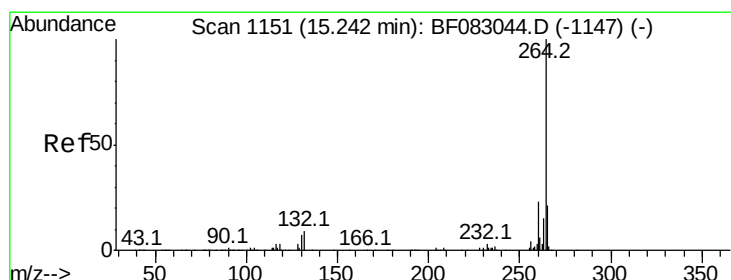
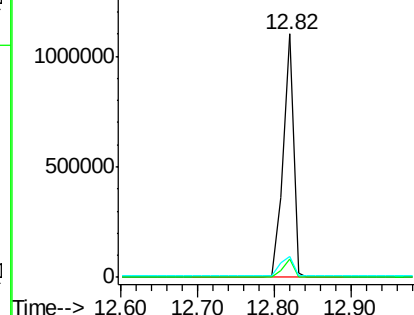
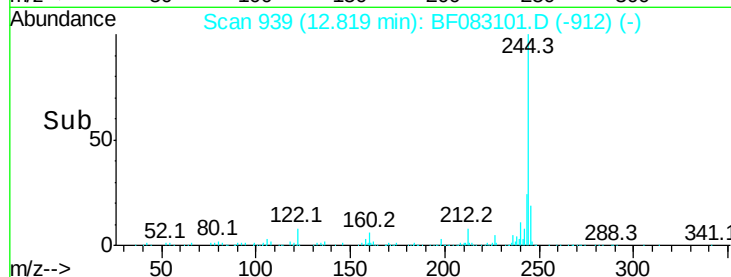
244 100

212 7.6 6.4 9.6

122 8.5 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: BF083101.D

Acq: 21 Nov 2015 3:32

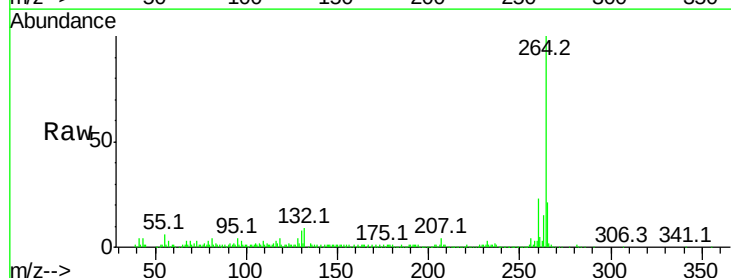
Tgt Ion:264 Resp: 294055

Ion Ratio Lower Upper

264 100

260 23.4 18.6 27.8

265 21.3 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

