

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010517\
 Data File : BF092103.D
 Acq On : 5 Jan 2017 21:52
 Operator : UM/SJ
 Sample : I1004-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-33

Quant Time: Jan 06 00:04:13 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 28 17:32:10 2016
 Response via : Initial Calibration

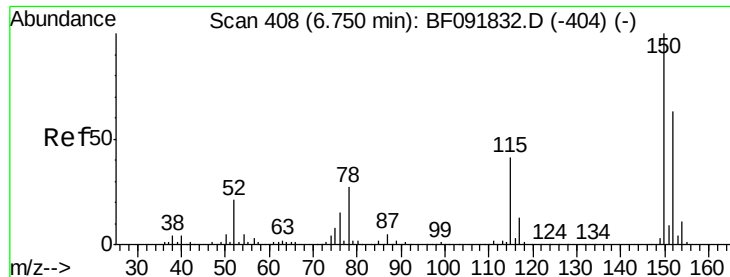
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	232431	20.00	ng	-0.05
21) Naphthalene-d8	7.94	136	723903	20.00	ng	-0.05
38) Acenaphthene-d10	9.69	164	399317	20.00	ng	-0.06
63) Phenanthrene-d10	11.18	188	554364	20.00	ng	-0.05
75) Chrysene-d12	13.80	240	448337	20.00	ng	-0.07
86) Perylene-d12	15.17	264	428912	20.00	ng	-0.09

System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	1301703	93.51	ng	-0.07
7) Phenol-d6	6.32	99	1066226	62.74	ng	-0.06
23) Nitrobenzene-d5	7.22	82	1301444	99.97	ng	-0.06
41) 2,4,6-Tribromophenol	10.49	330	437829	132.49	ng	-0.05
44) 2-Fluorobiphenyl	9.03	172	2263916	121.74	ng	-0.05
78) Terphenyl-d14	12.76	244	1712088	92.62	ng	-0.06

Target Compounds				Qvalue		
9) Benzaldehyde	6.16	77	1618	Below Cal	#	1
10) Phenol	6.33	94	78732	4.07	ng	70
15) Benzyl Alcohol	6.81	79	34949	2.65	ng	28
18) Hexachloroethane	7.22	117	635175	99.58	ng	2
19) n-Nitroso-di-n-propylamine	7.05	70	45219	4.00	ng	48
22) Acetophenone	7.00	105	159118	8.91	ng	68
24) Nitrobenzene	7.20	77	50520	3.64	ng	25
25) Isophorone	7.57	82	85796	3.57	ng	37
32) Benzoic acid	7.76	122	19960	2.37	ng	72
35) Caprolactam	8.38	113	45913	14.55	ng	1
37) 2-Methylnaphthalene	8.76	142	797993	37.46	ng	96
47) 2-Nitroaniline	9.29	65	15934	2.07	ng	52
54) Dibenzofuran	9.90	168	79285	2.60	ng	74
55) 4-Nitrophenol	9.80	139	18061	3.85	ng	1
56) 2,4-Dinitrotoluene	9.89	165	21661	3.09	ng	31
57) Fluorene	10.24	166	64902	2.93	ng	92
59) Diethylphthalate	10.13	149	146699	5.91	ng	59
62) Azobenzene	10.34	77	57718	2.11	ng	46
66) 4-Bromophenyl-phenylether	10.49	248	28837	5.00	ng	1
71) Anthracene	11.25	178	1930	Below Cal	#	1
73) Di-n-butylphthalate	11.75	149	26188	Below Cal	#	36
74) Fluoranthene	12.38	202	8202	Below Cal	#	8
76) Benizidine	12.44	184	1562	Below Cal	#	1

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

```
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Sample    : I1004-01  
Misc      :  
ALS Vial  : 8 Sample Multiplier: 1
```

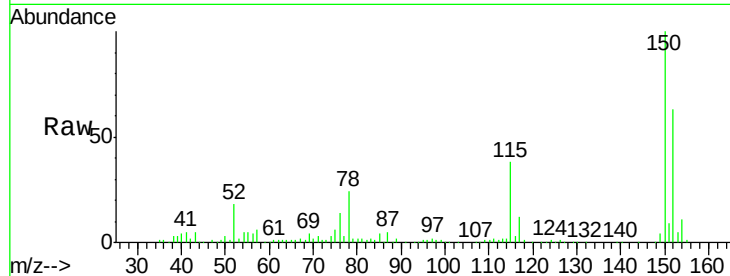


#1

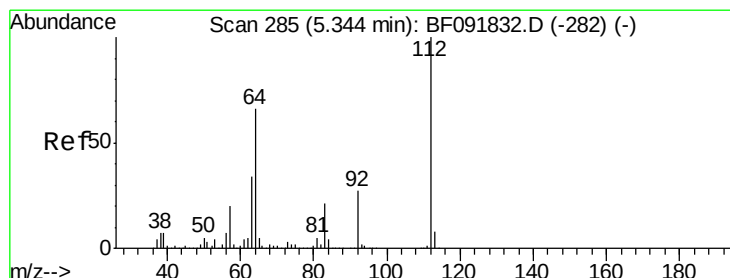
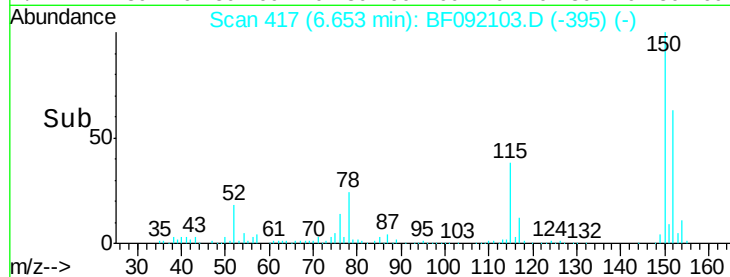
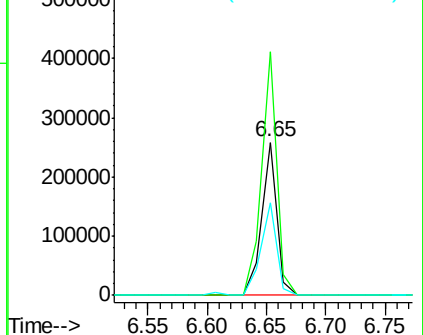
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.65 min Scan# 417
 Delta R.T. -0.05 min
 Lab File: BF092103.D
 Acq: 5 Jan 2017 21:52

Instrument :
 BNA_F
 ClientSampleId :
 MW-33

Tgt Ion:152 Resp: 232431
 Ion Ratio Lower Upper
 152 100
 150 158.9 124.9 187.3
 115 60.8 46.0 69.0



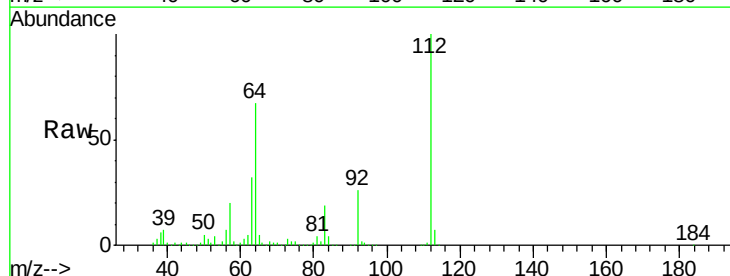
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



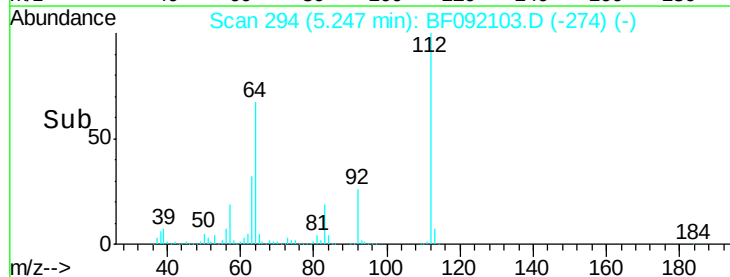
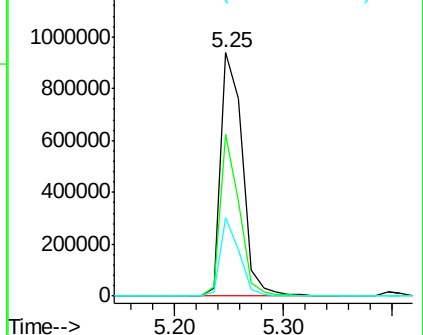
#5

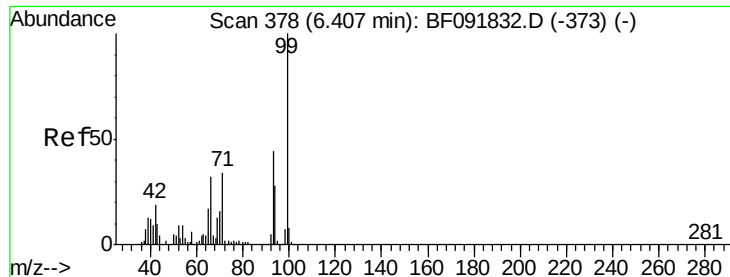
2-Fluorophenol
 Concen: 93.51 ng
 RT: 5.25 min Scan# 294
 Delta R.T. -0.07 min
 Lab File: BF092103.D
 Acq: 5 Jan 2017 21:52

Tgt Ion:112 Resp: 1301703
 Ion Ratio Lower Upper
 112 100
 64 66.6 46.1 69.1
 63 32.5 23.8 35.6



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: 62.74 ng

RT: 6.32 min Scan# 388

Delta R.T. -0.06 min

Lab File: BF092103.D

Acq: 5 Jan 2017 21:52

Instrument :

BNA_F

ClientSampled :

MW-33

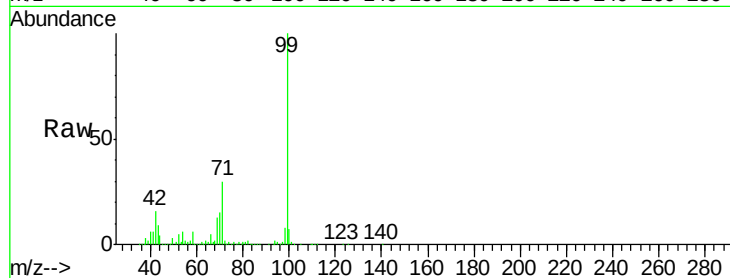
Tgt Ion: 99 Resp: 1066226

Ion Ratio Lower Upper

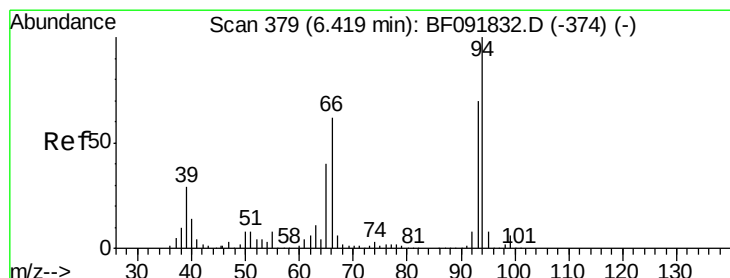
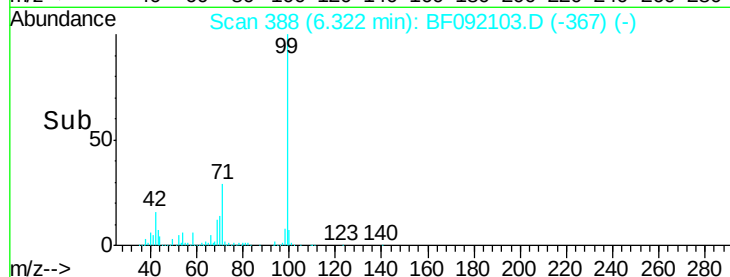
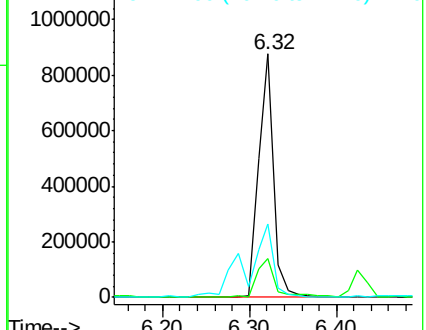
99 100

42 15.9 15.6 23.4

71 30.0 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 4.07 ng

RT: 6.33 min Scan# 389

Delta R.T. -0.06 min

Lab File: BF092103.D

Acq: 5 Jan 2017 21:52

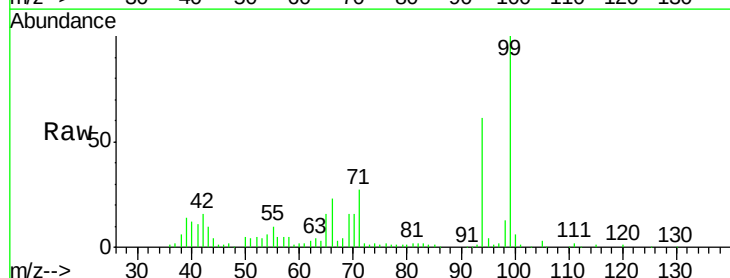
Tgt Ion: 94 Resp: 78732

Ion Ratio Lower Upper

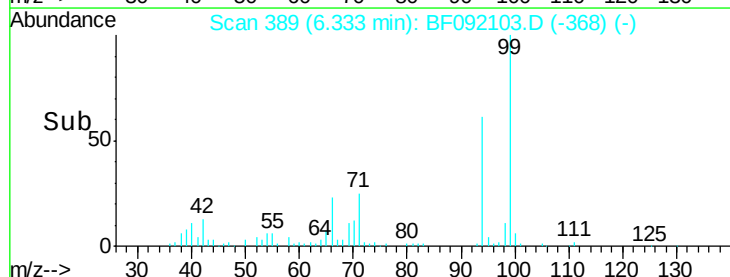
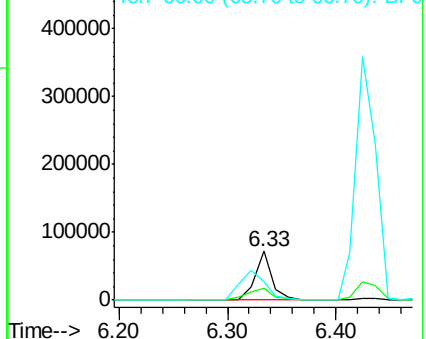
94 100

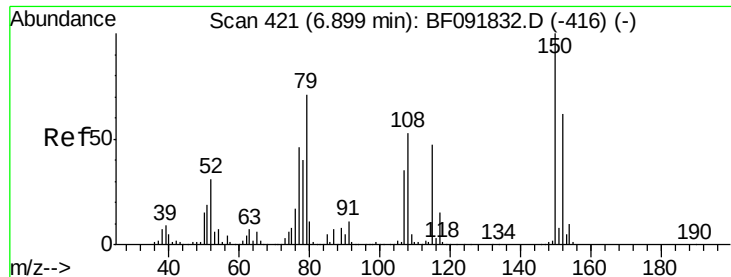
65 25.6 21.4 61.4

66 38.2 44.0 84.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 2.65 ng

RT: 6.81 min Scan# 431

Delta R.T. -0.05 min

Lab File: BF092103.D

Acq: 5 Jan 2017 21:52

Instrument :

BNA_F

ClientSampled :

MW-33

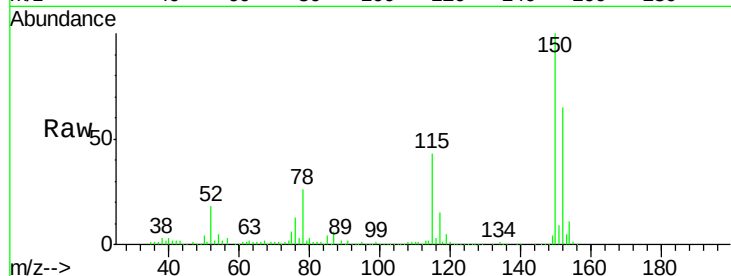
Tgt Ion: 79 Resp: 34949

Ion Ratio Lower Upper

79 100

108 29.3 61.4 92.0#

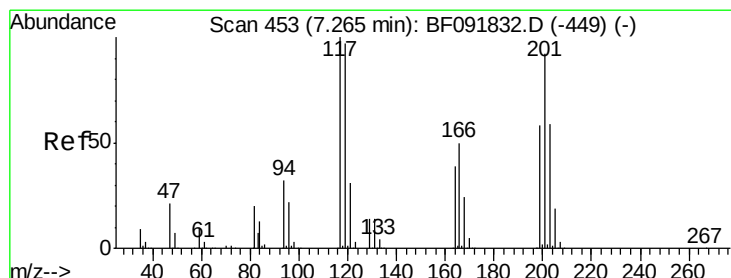
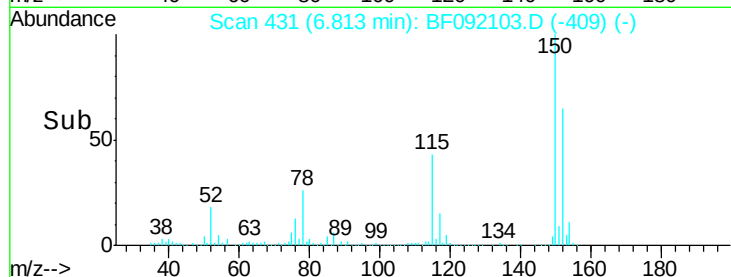
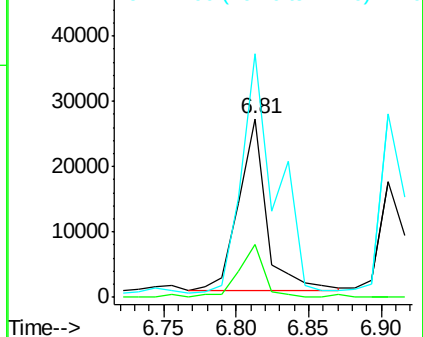
77 136.3 50.9 76.3#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 99.58 ng

RT: 7.22 min Scan# 467

Delta R.T. 0.01 min

Lab File: BF092103.D

Acq: 5 Jan 2017 21:52

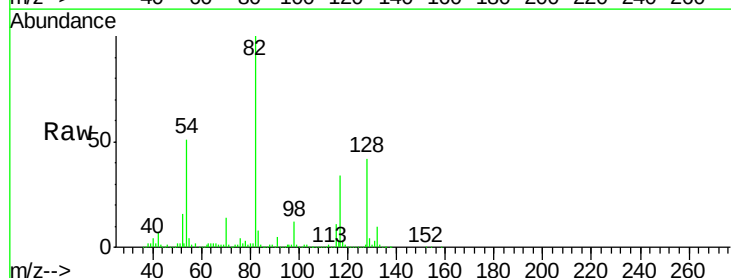
Tgt Ion: 117 Resp: 635175

Ion Ratio Lower Upper

117 100

119 1.7 78.1 117.1#

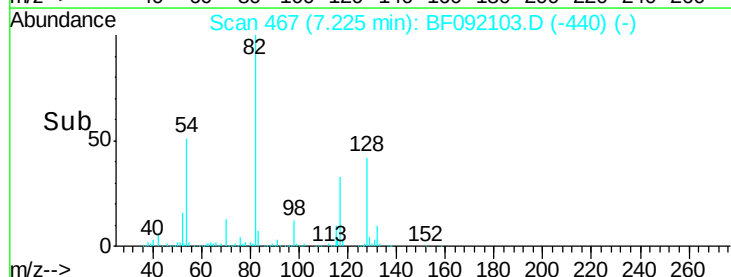
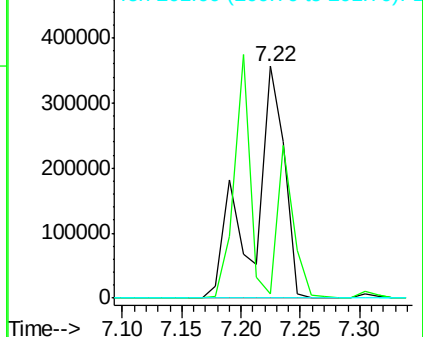
201 0.0 78.6 117.8#

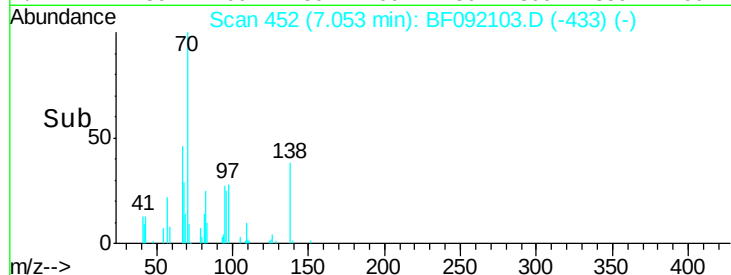
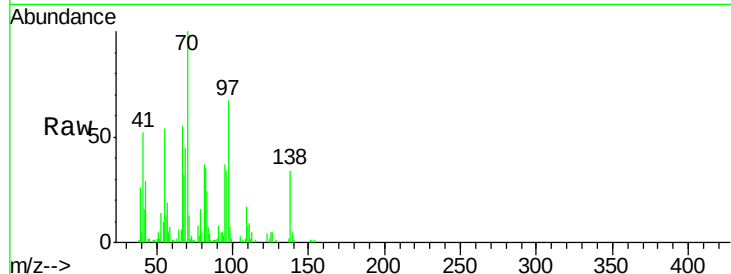
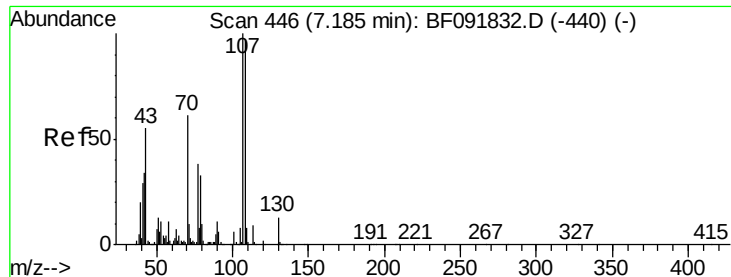


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

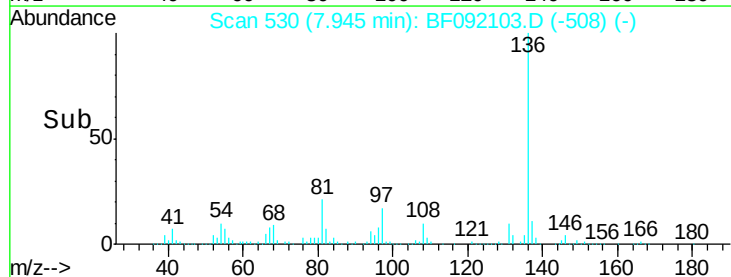
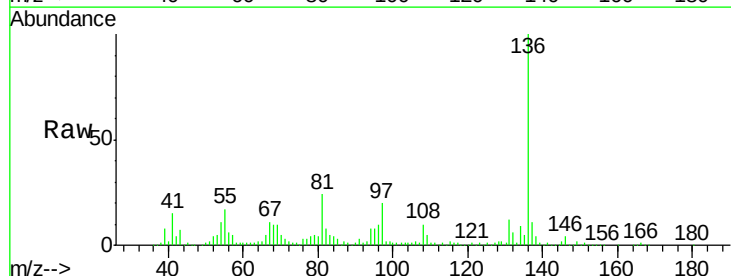
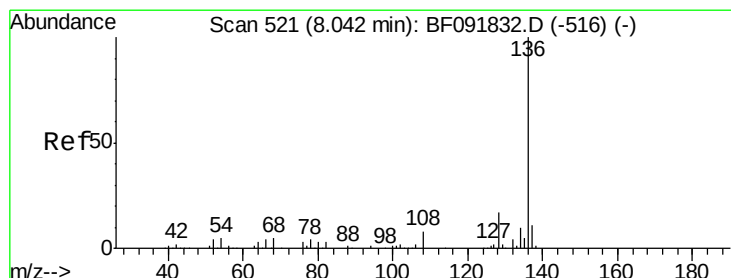
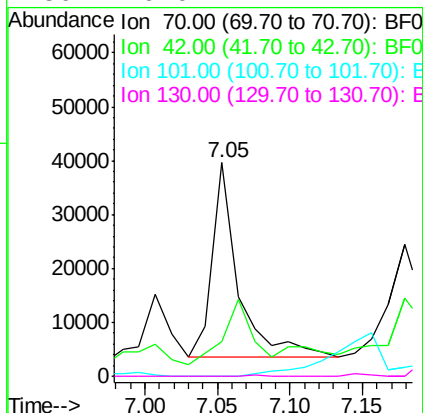




#19
n-Nitroso-di-n-propylamine
Concen: 4.00 ng
RT: 7.05 min Scan# 452
Delta R.T. -0.09 min
Lab File: BF092103.D
Acq: 5 Jan 2017 21:52

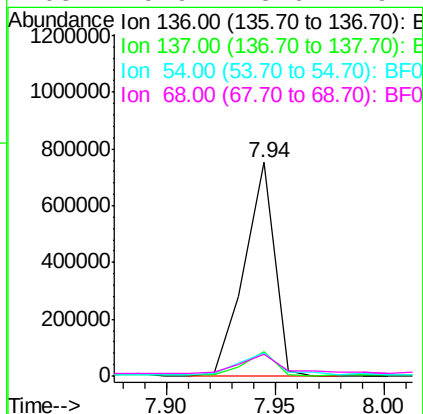
Instrument :
BNA_F
ClientSampleId :
MW-33

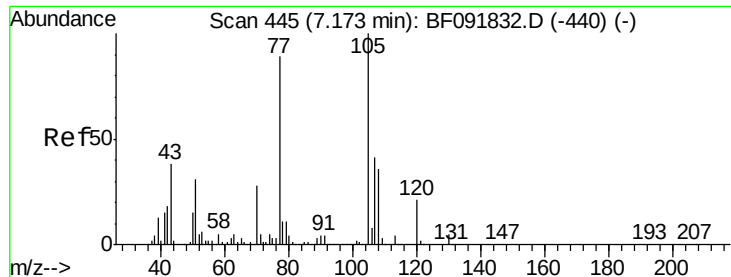
Tgt Ion:	70	Resp:	45219
Ion	Ratio	Lower	Upper
70	100		
42	16.4	49.4	74.0#
101	0.0	7.4	11.2#
130	0.0	14.2	21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.94 min Scan# 530
Delta R.T. -0.05 min
Lab File: BF092103.D
Acq: 5 Jan 2017 21:52

Tgt Ion:	136	Resp:	723903
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	10.9	4.5	6.7#
68	9.9	3.6	5.4#





#22

Acetophenone

Concen: 8.91 ng

RT: 7.00 min Scan# 447

Delta R.T. -0.13 min

Lab File: BF092103.D

Acq: 5 Jan 2017 21:52

Instrument :

BNA_F

ClientSampleId :

MW-33

Tgt Ion:105 Resp: 159118

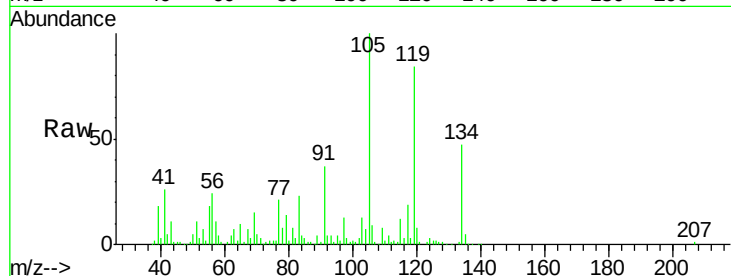
Ion Ratio Lower Upper

105 100

71 3.2 3.2 4.8#

51 11.0 26.2 39.4#

120 8.2 16.6 24.8#

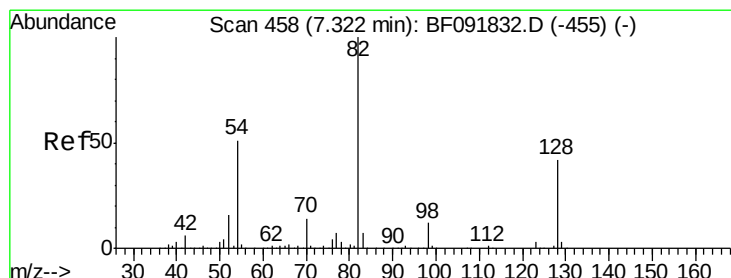
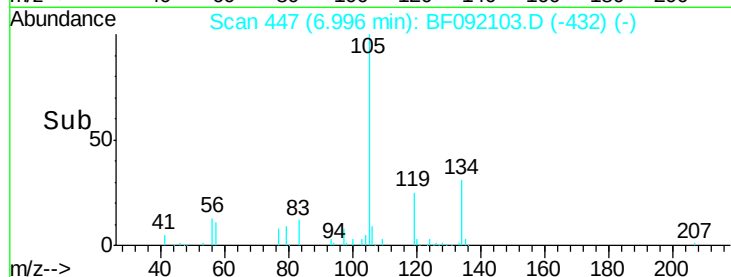
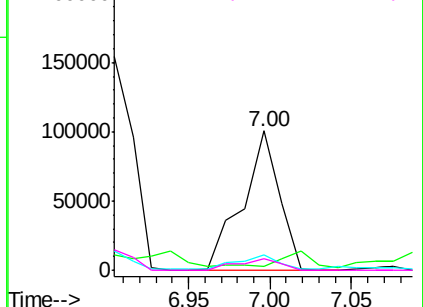


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 99.97 ng

RT: 7.22 min Scan# 467

Delta R.T. -0.06 min

Lab File: BF092103.D

Acq: 5 Jan 2017 21:52

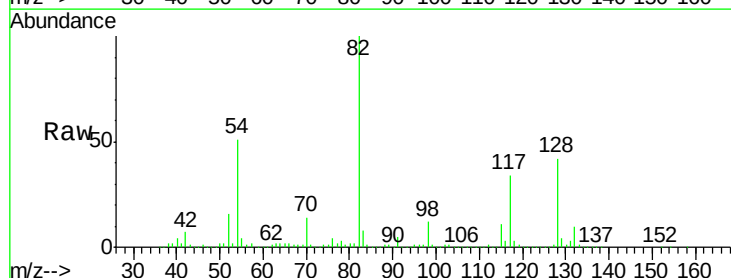
Tgt Ion: 82 Resp: 1301444

Ion Ratio Lower Upper

82 100

128 41.6 34.6 52.0

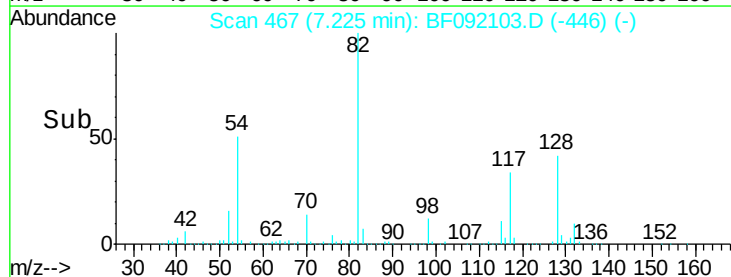
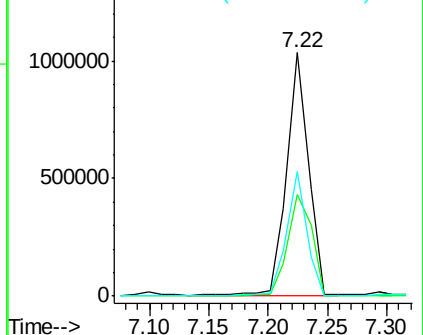
54 50.9 39.5 59.3

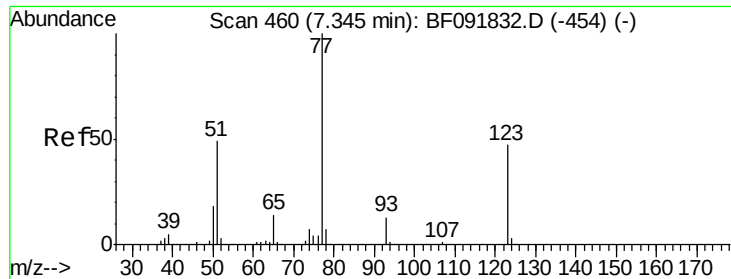


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 3.64 ng

RT: 7.20 min Scan# 465

Delta R.T. -0.10 min

Lab File: BF092103.D

Acq: 5 Jan 2017 21:52

Instrument :

BNA_F

ClientSampleId :

MW-33

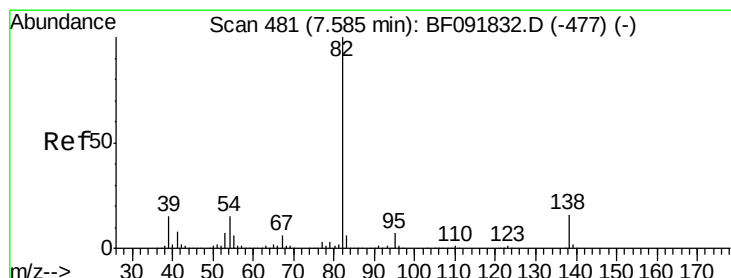
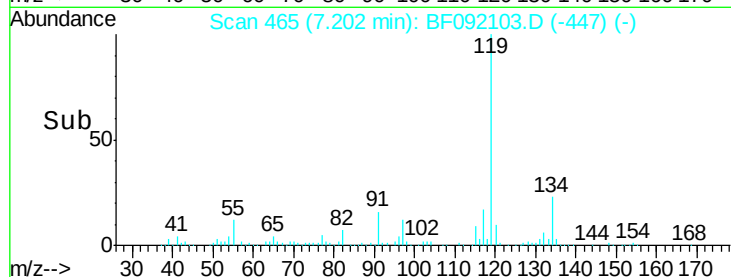
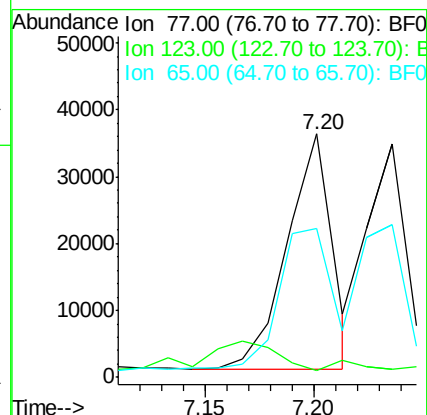
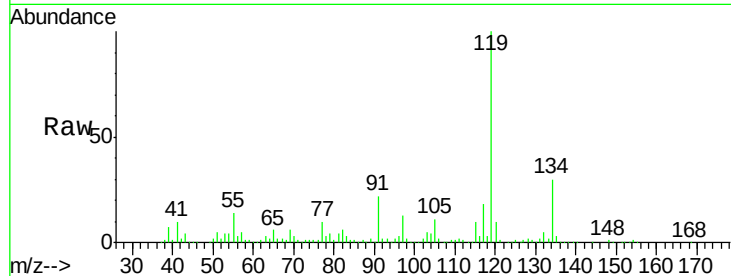
Tgt Ion: 77 Resp: 50520

Ion Ratio Lower Upper

77 100

123 3.0 33.0 49.4#

65 61.4 11.2 16.8#



#25

Isophorone

Concen: 3.57 ng

RT: 7.57 min Scan# 497

Delta R.T. 0.02 min

Lab File: BF092103.D

Acq: 5 Jan 2017 21:52

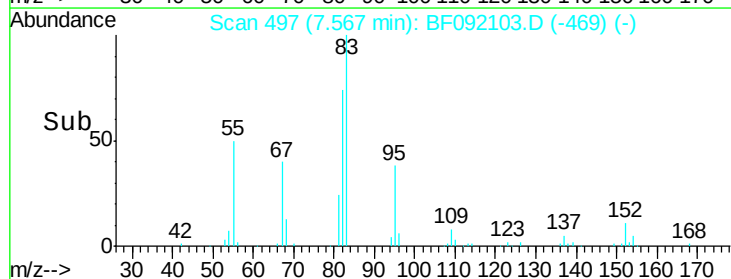
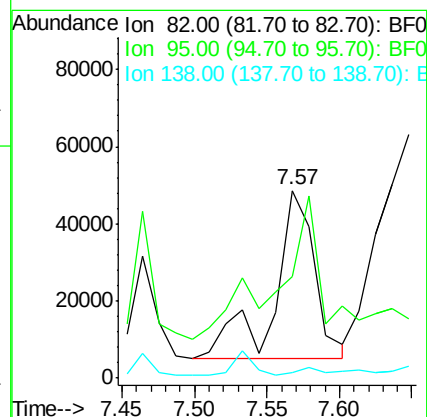
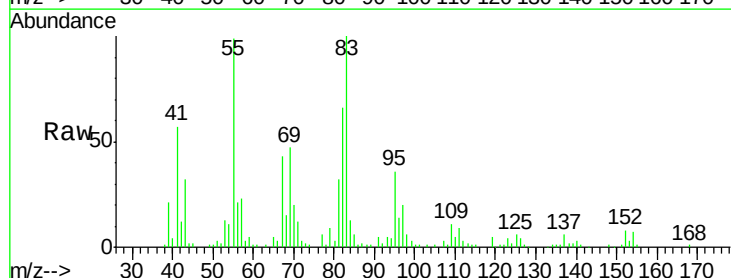
Tgt Ion: 82 Resp: 85796

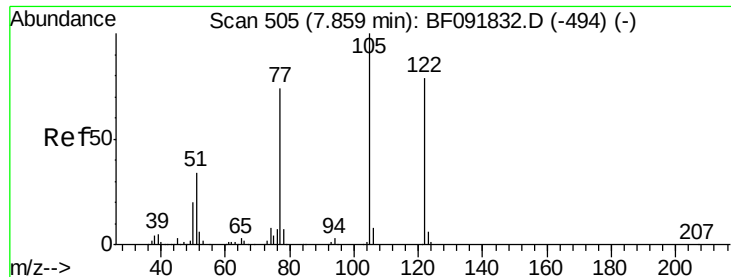
Ion Ratio Lower Upper

82 100

95 53.8 5.6 8.4#

138 2.6 14.6 22.0#

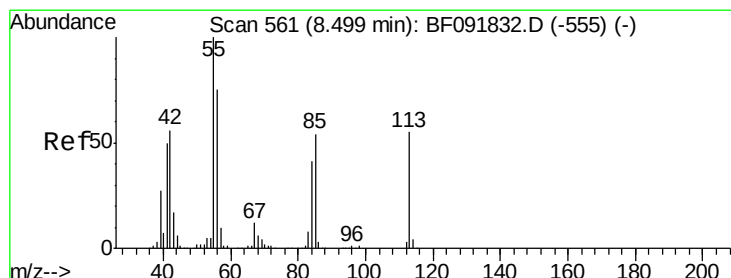
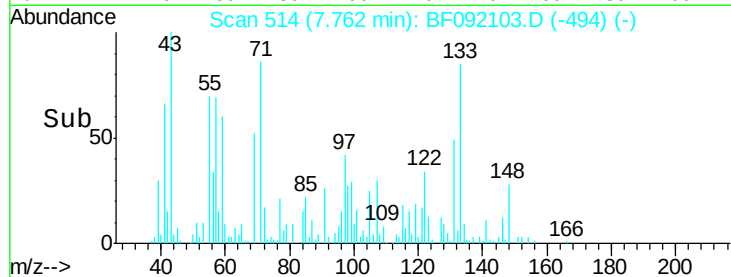
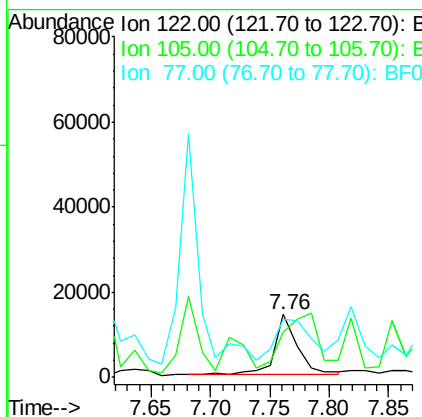
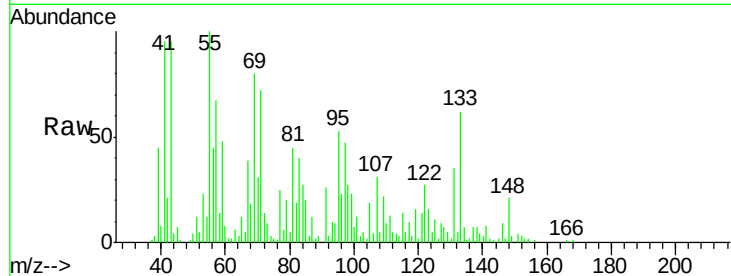




#32
Benzoic acid
Concen: 2.37 ng
RT: 7.76 min Scan# 514
Delta R.T. -0.07 min
Lab File: BF092103.D
Acq: 5 Jan 2017 21:52

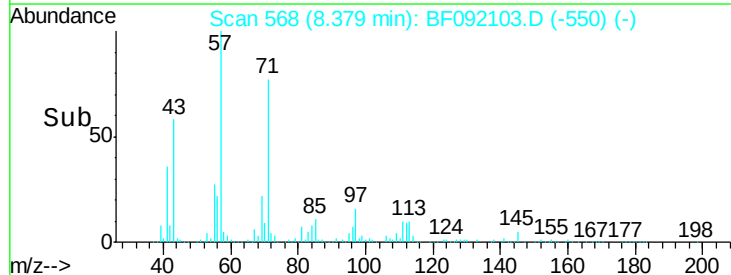
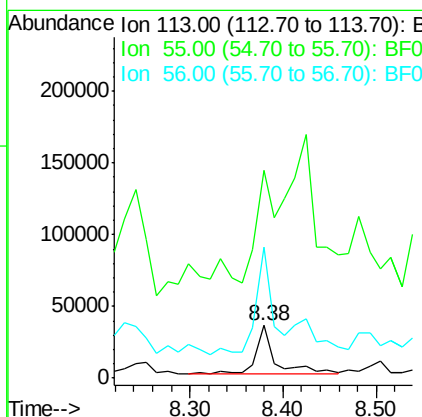
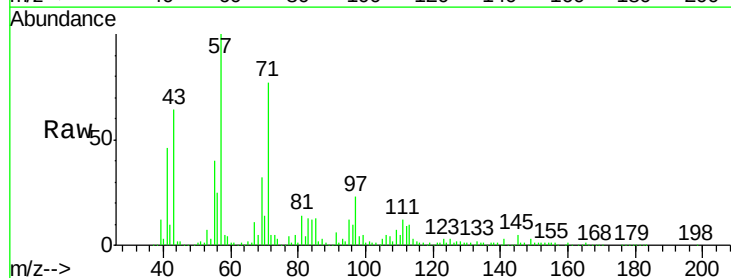
Instrument :
BNA_F
ClientSampleId :
MW-33

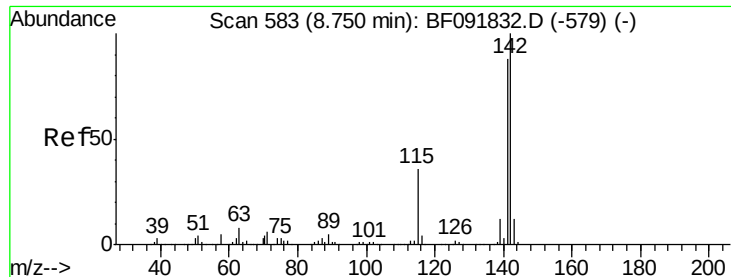
Tgt Ion:122 Resp: 19960
Ion Ratio Lower Upper
122 100
105 72.5 107.2 147.2#
77 92.2 74.5 114.5



#35
Caprolactam
Concen: 14.55 ng
RT: 8.38 min Scan# 568
Delta R.T. -0.10 min
Lab File: BF092103.D
Acq: 5 Jan 2017 21:52

Tgt Ion:113 Resp: 45913
Ion Ratio Lower Upper
113 100
55 396.8 119.2 159.2#
56 250.8 83.8 123.8#

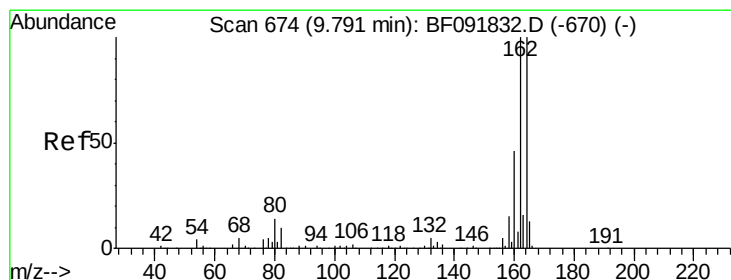
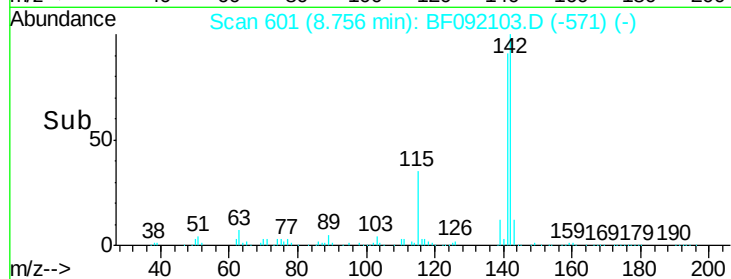
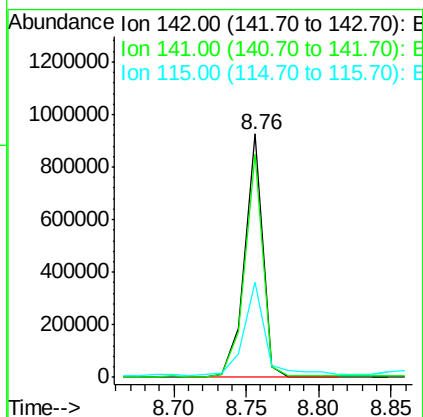
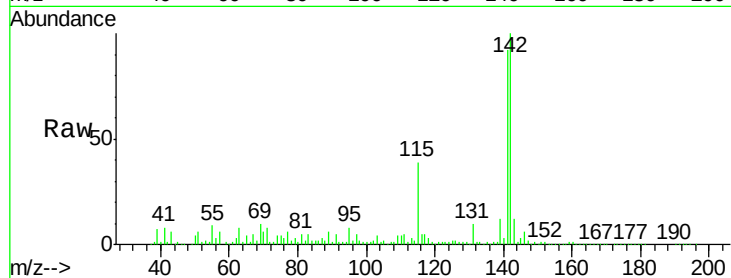




#37
 2-Methylnaphthalene
 Concen: 37.46 ng
 RT: 8.76 min Scan# 601
 Delta R.T. 0.04 min
 Lab File: BF092103.D
 Acq: 5 Jan 2017 21:52

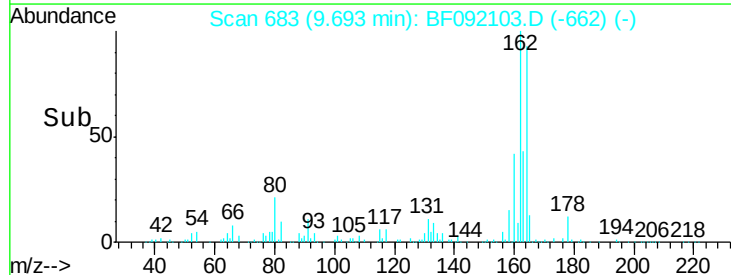
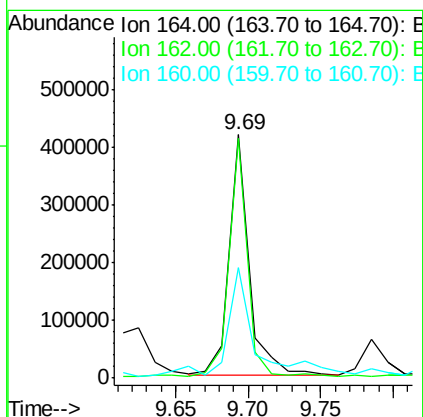
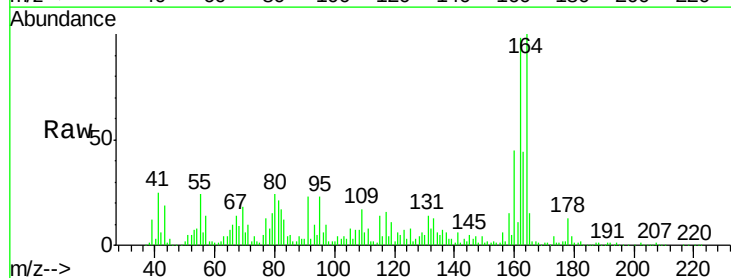
Instrument :
 BNA_F
 ClientSampleId :
 MW-33

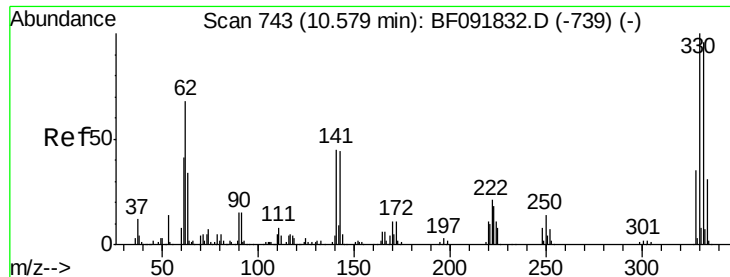
Tgt Ion:142 Resp: 797993
 Ion Ratio Lower Upper
 142 100
 141 91.8 71.0 106.6
 115 39.2 28.3 42.5



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.69 min Scan# 683
 Delta R.T. -0.06 min
 Lab File: BF092103.D
 Acq: 5 Jan 2017 21:52

Tgt Ion:164 Resp: 399317
 Ion Ratio Lower Upper
 164 100
 162 98.3 80.2 120.2
 160 45.2 36.9 55.3

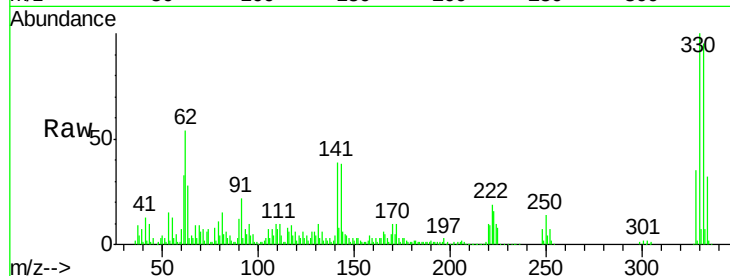




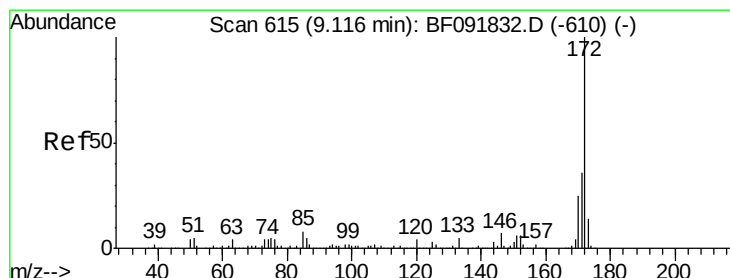
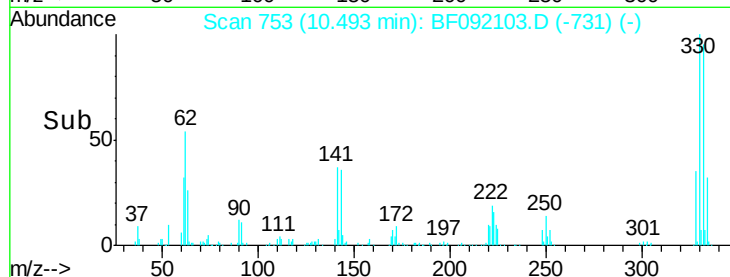
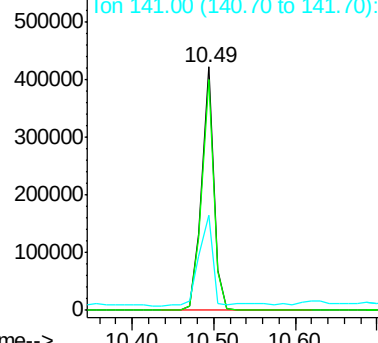
#41
 2,4,6-Tribromophenol
 Concen: 132.49 ng
 RT: 10.49 min Scan# 753
 Delta R.T. -0.05 min
 Lab File: BF092103.D
 Acq: 5 Jan 2017 21:52

Instrument :
 BNA_F
 ClientSampled :
 MW-33

Tgt Ion:330 Resp: 437829
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.4 116.2
 141 41.9 34.1 51.1

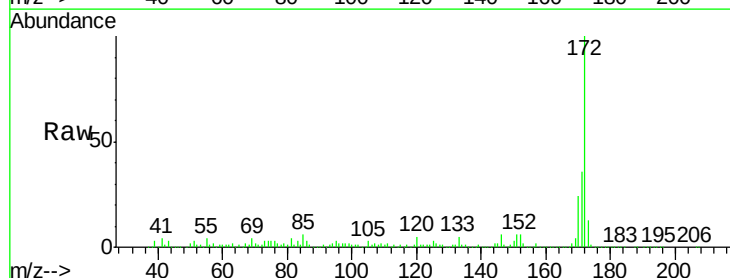


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

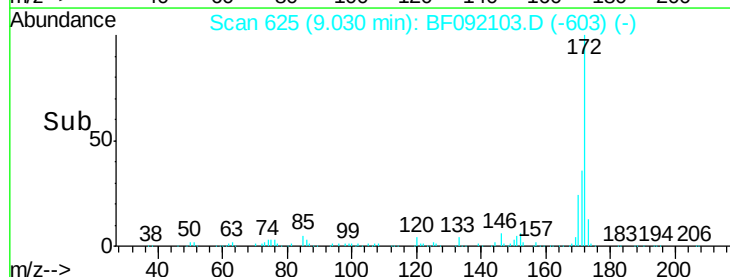
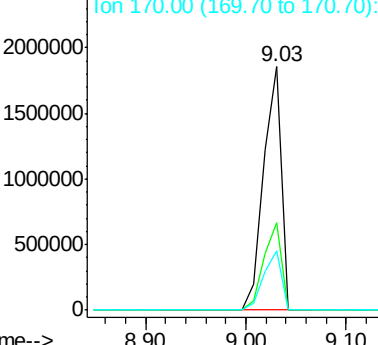


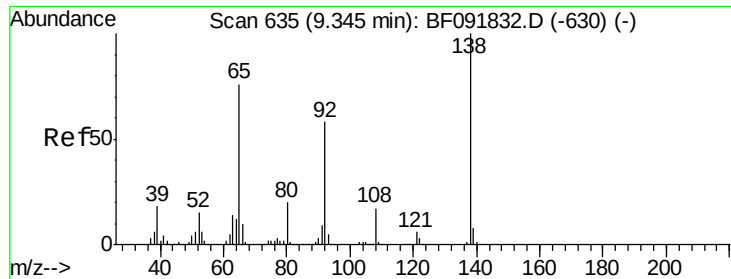
#44
 2-Fluorobiphenyl
 Concen: 121.74 ng
 RT: 9.03 min Scan# 625
 Delta R.T. -0.05 min
 Lab File: BF092103.D
 Acq: 5 Jan 2017 21:52

Tgt Ion:172 Resp: 2263916
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.4 44.0
 170 24.4 20.2 30.4



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

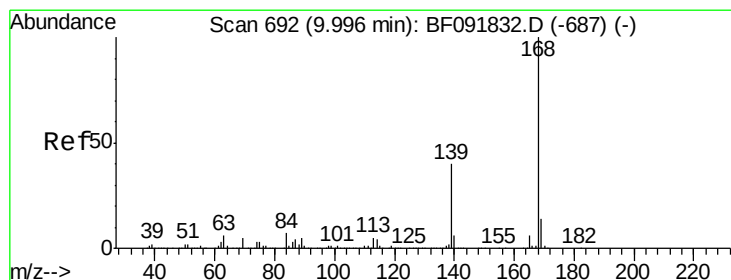
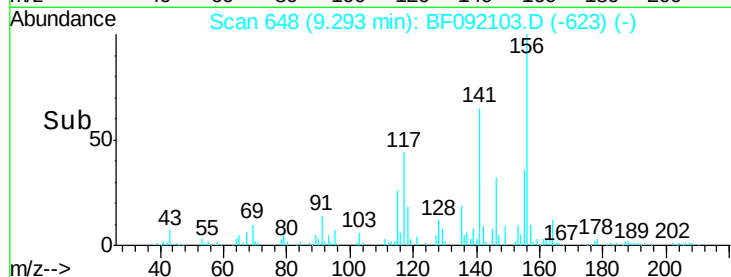
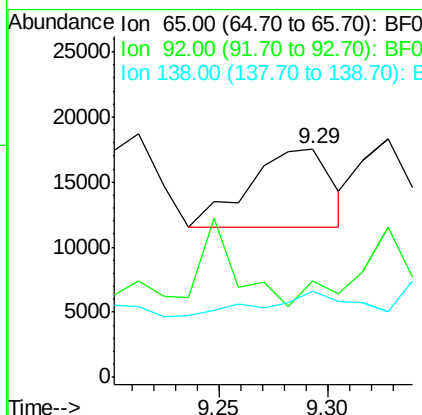
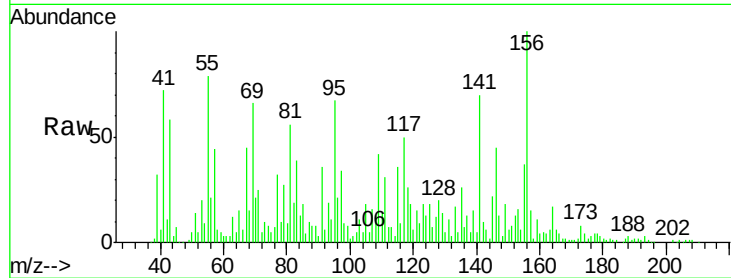




#47
2-Nitroaniline
Concen: 2.07 ng
RT: 9.29 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF092103.D
Acq: 5 Jan 2017 21:52

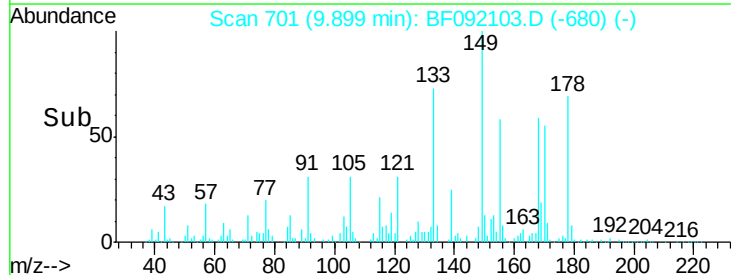
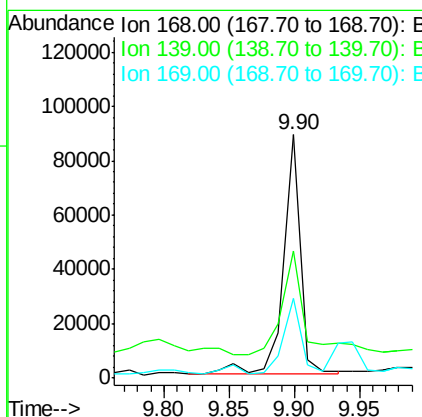
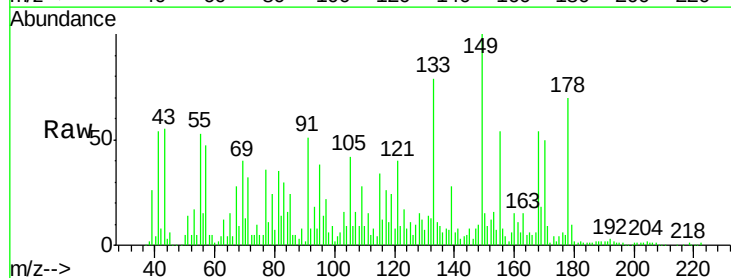
Instrument :
BNA_F
ClientSampled :
MW-33

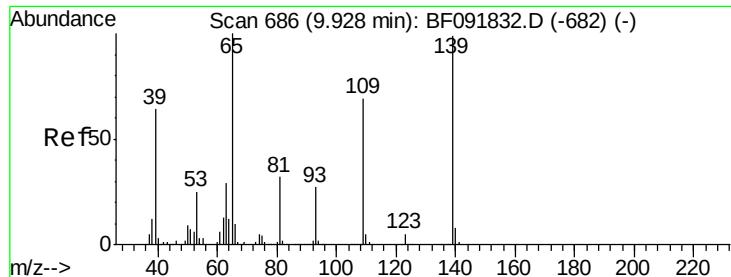
Tgt Ion: 65 Resp: 15934
Ion Ratio Lower Upper
65 100
92 42.2 53.9 80.9#
138 37.5 76.8 115.2#



#54
Dibenzofuran
Concen: 2.60 ng
RT: 9.90 min Scan# 701
Delta R.T. -0.06 min
Lab File: BF092103.D
Acq: 5 Jan 2017 21:52

Tgt Ion: 168 Resp: 79285
Ion Ratio Lower Upper
168 100
139 52.4 32.6 49.0#
169 32.9 11.3 16.9#





#55

4-Nitrophenol

Concen: 3.85 ng

RT: 9.80 min Scan# 692

Delta R.T. -0.11 min

Lab File: BF092103.D

Acq: 5 Jan 2017 21:52

Instrument :

BNA_F

ClientSampleId :

MW-33

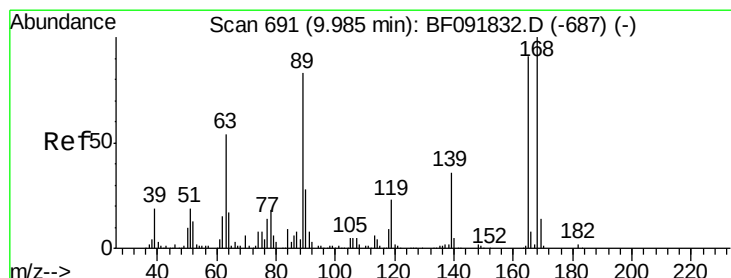
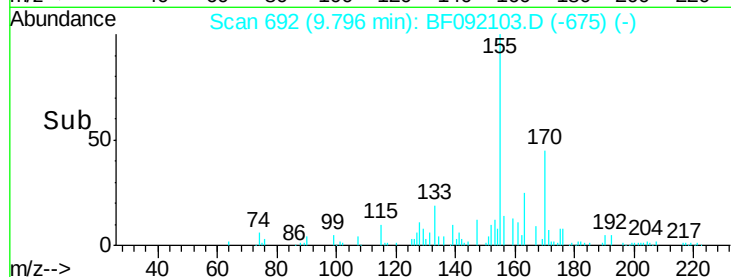
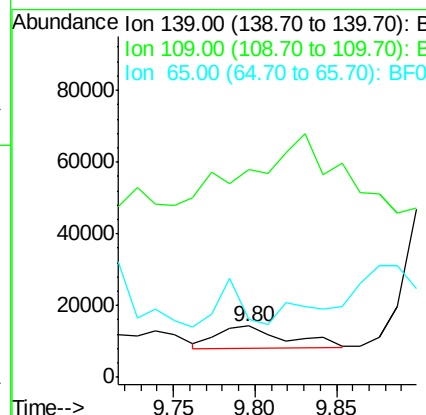
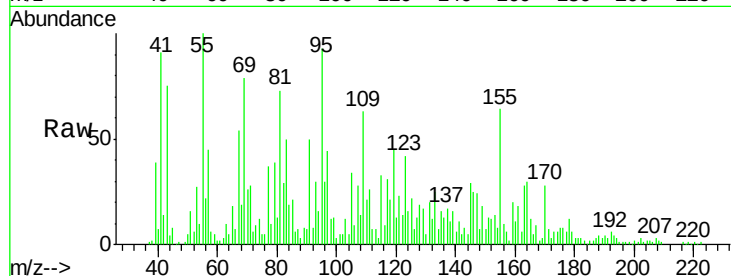
Tgt Ion:139 Resp: 18061

Ion Ratio Lower Upper

139 100

109 404.9 52.2 92.2#

65 113.0 85.8 125.8



#56

2,4-Dinitrotoluene

Concen: 3.09 ng

RT: 9.89 min Scan# 700

Delta R.T. -0.06 min

Lab File: BF092103.D

Acq: 5 Jan 2017 21:52

Tgt Ion:165 Resp: 21661

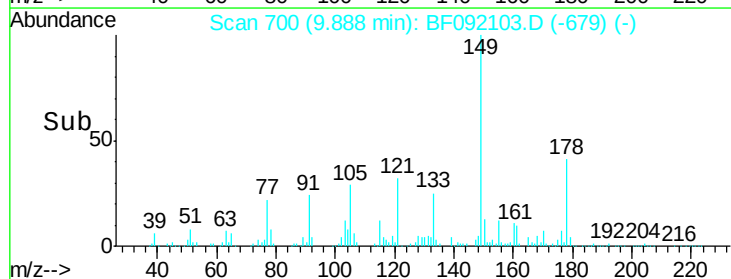
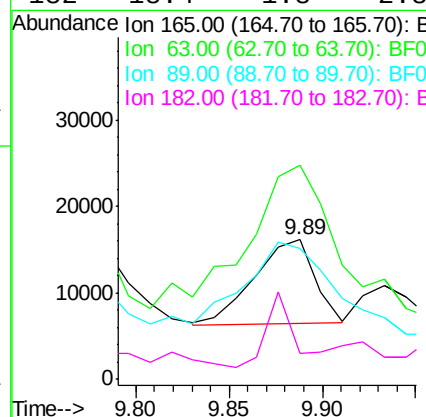
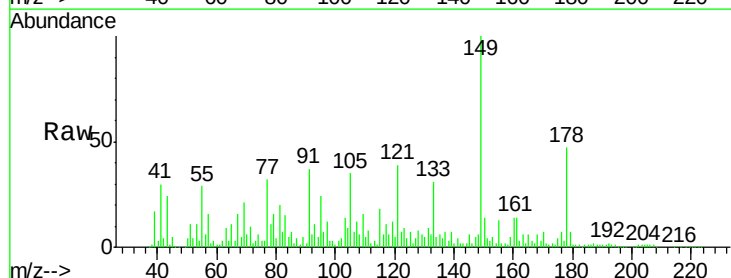
Ion Ratio Lower Upper

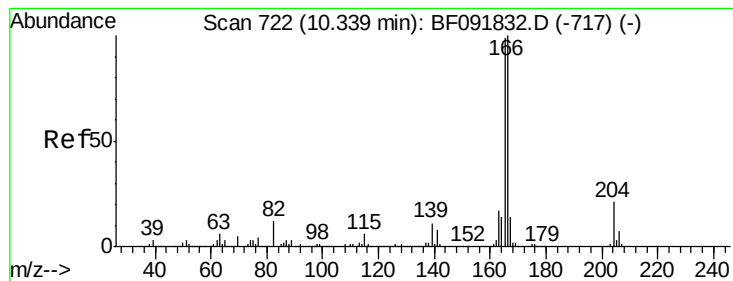
165 100

63 153.6 40.2 60.4#

89 93.6 62.5 93.7

182 18.4 1.8 2.8#





#57

Fluorene

Concen: 2.93 ng

RT: 10.24 min Scan# 731

Delta R.T. -0.05 min

Lab File: BF092103.D

Acq: 5 Jan 2017 21:52

Instrument :

BNA_F

ClientSampleId :

MW-33

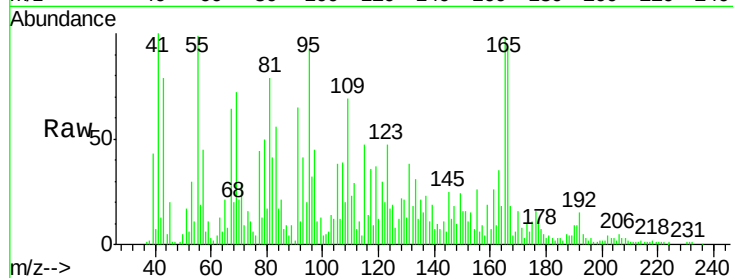
Tgt Ion:166 Resp: 64902

Ion Ratio Lower Upper

166 100

165 104.2 77.8 116.8

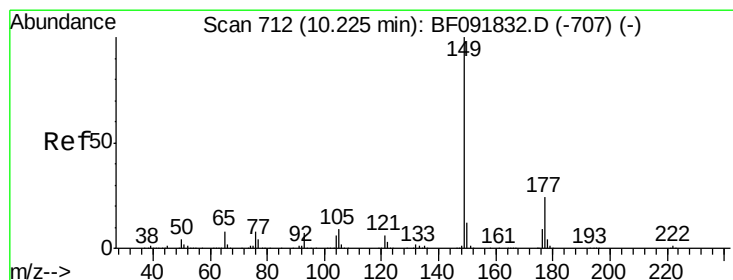
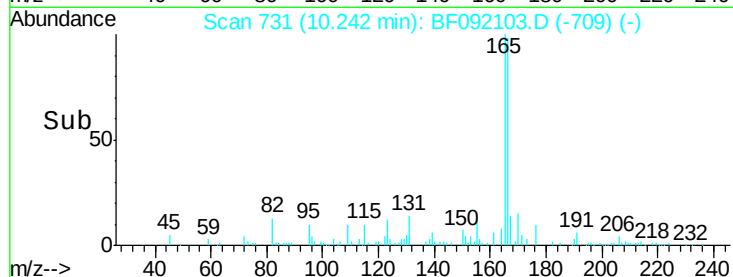
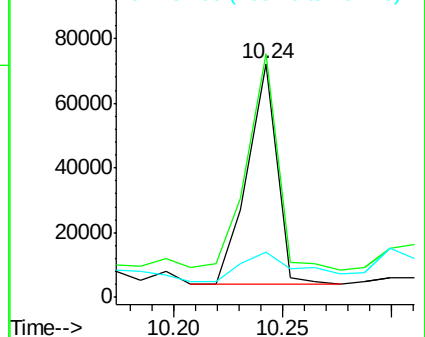
167 19.5 10.8 16.2#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59

Diethylphthalate

Concen: 5.91 ng

RT: 10.13 min Scan# 721

Delta R.T. -0.05 min

Lab File: BF092103.D

Acq: 5 Jan 2017 21:52

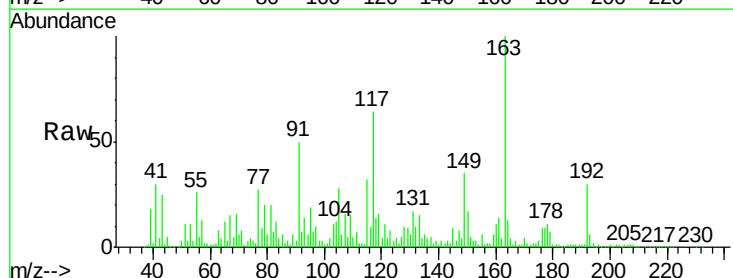
Tgt Ion:149 Resp: 146699

Ion Ratio Lower Upper

149 100

177 25.4 16.6 25.0#

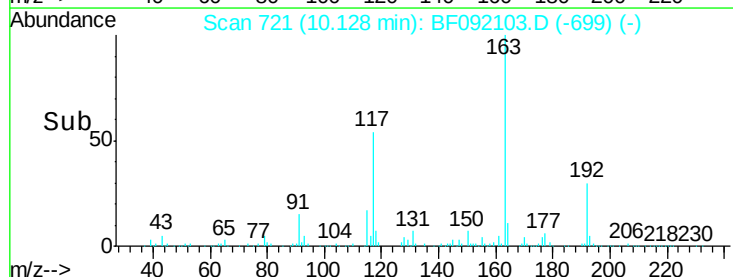
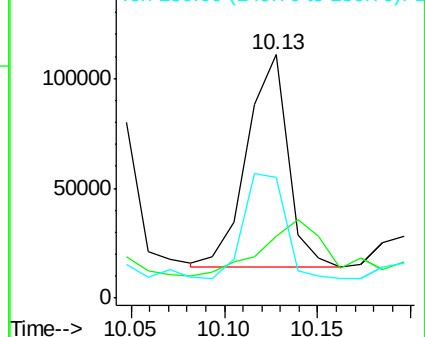
150 49.4 10.4 15.6#

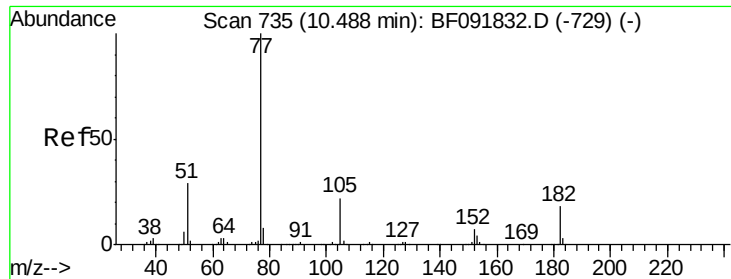


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 2.11 ng

RT: 10.34 min Scan# 740

Delta R.T. -0.11 min

Lab File: BF092103.D

Acq: 5 Jan 2017 21:52

Instrument :

BNA_F

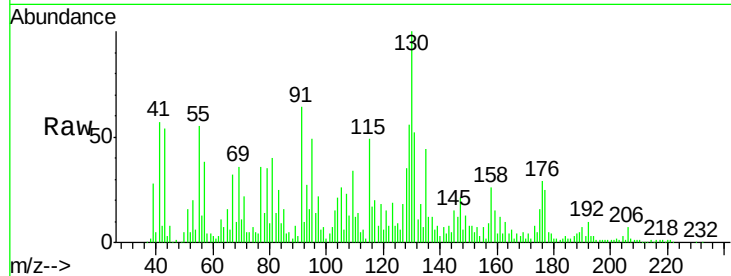
ClientSampleId :

MW-33

Tgt Ion: 77 Resp: 57718

Ion Ratio Lower Upper

77	100		
182	4.2	0.0	39.3
105	72.7	2.3	42.3#
51	44.5	8.9	48.9

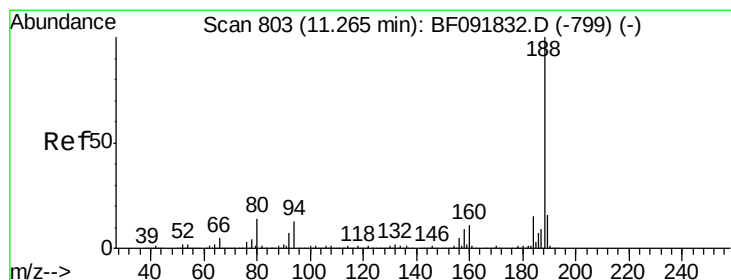
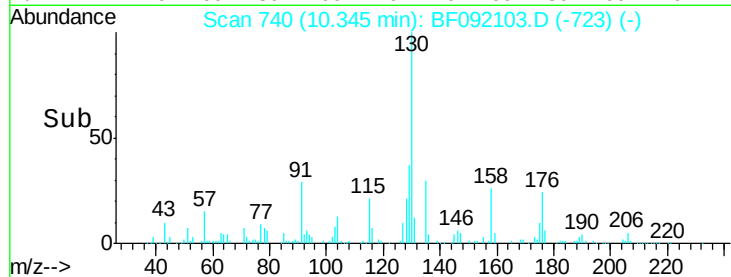
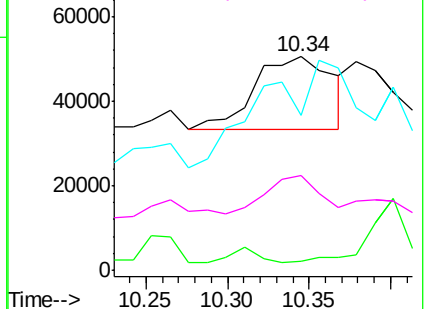


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.18 min Scan# 813

Delta R.T. -0.05 min

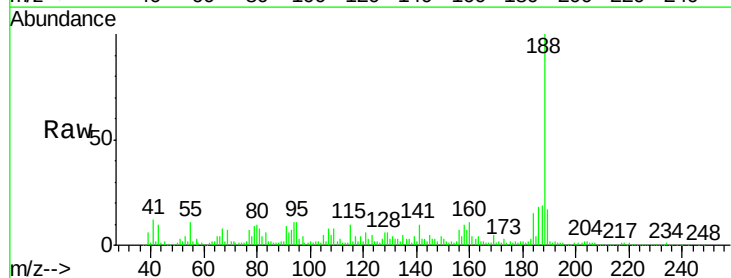
Lab File: BF092103.D

Acq: 5 Jan 2017 21:52

Tgt Ion: 188 Resp: 554364

Ion Ratio Lower Upper

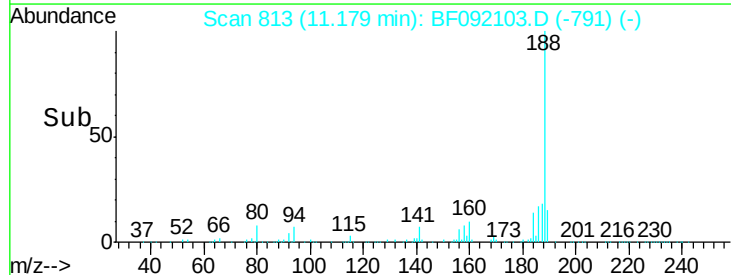
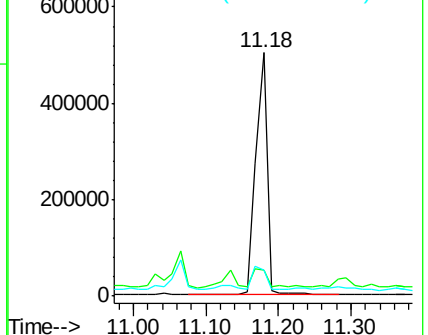
188	100		
94	10.8	10.0	15.0
80	10.4	11.2	16.8#

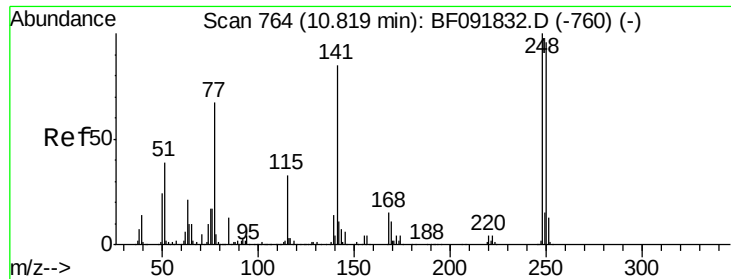


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

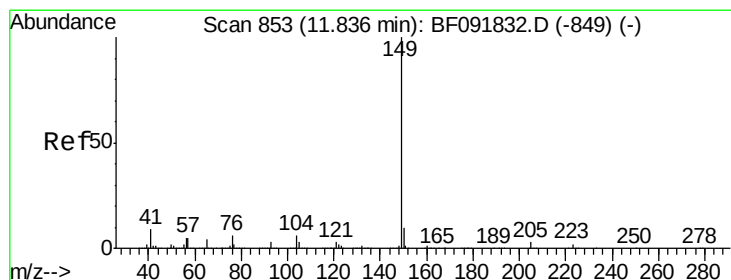
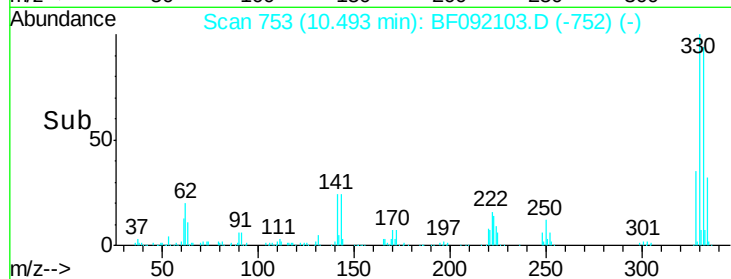
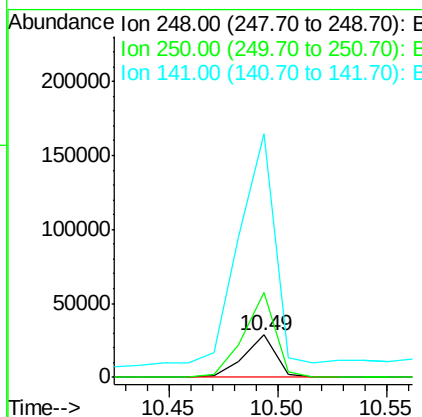
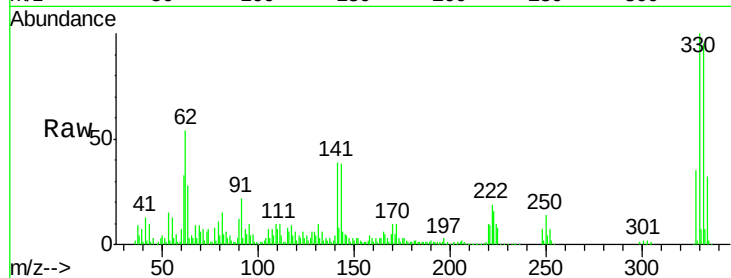




#66
4-Bromophenyl-phenylether
Concen: 5.00 ng
RT: 10.49 min Scan# 753
Delta R.T. -0.29 min
Lab File: BF092103.D
Acq: 5 Jan 2017 21:52

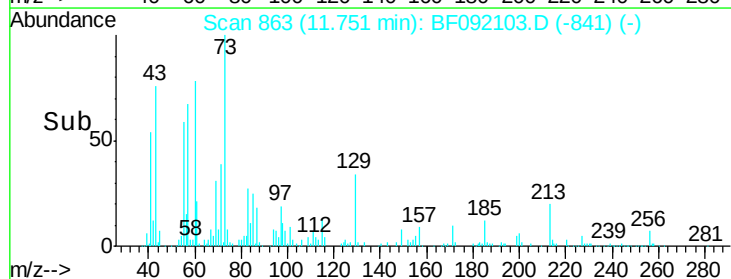
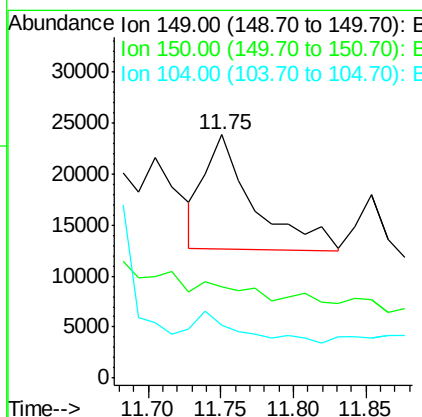
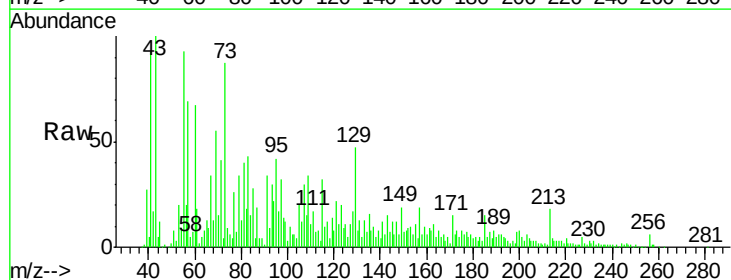
Instrument :
BNA_F
ClientSampleId :
MW-33

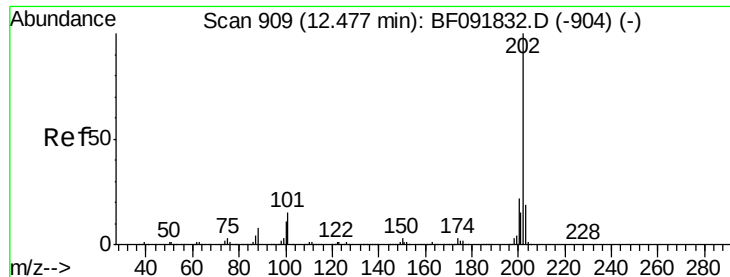
Tgt Ion:248 Resp: 28837
Ion Ratio Lower Upper
248 100
250 199.6 76.9 115.3#
141 575.4 68.2 102.4#



#73
Di-n-butylphthalate
Concen: Below Cal
RT: 11.75 min Scan# 863
Delta R.T. -0.05 min
Lab File: BF092103.D
Acq: 5 Jan 2017 21:52

Tgt Ion:149 Resp: 26188
Ion Ratio Lower Upper
149 100
150 37.4 8.1 12.1#
104 21.8 4.6 7.0#

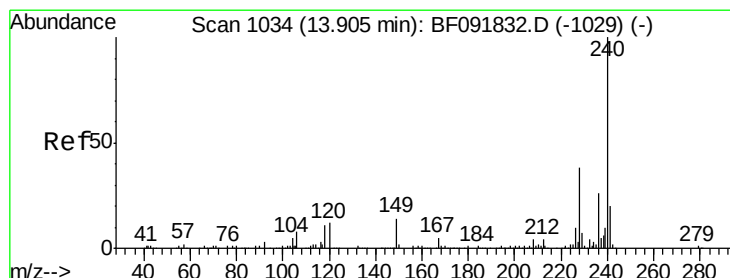
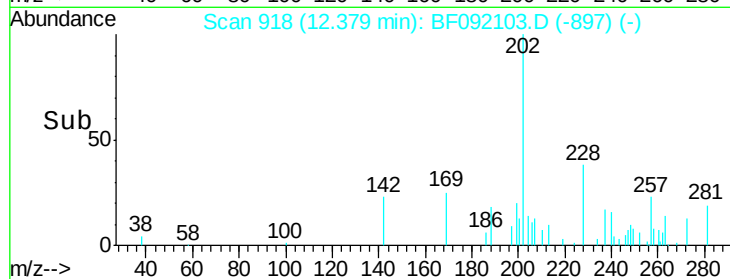
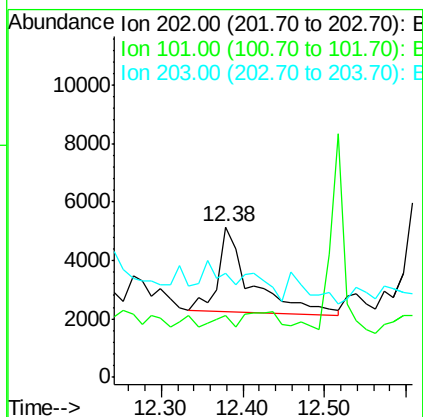
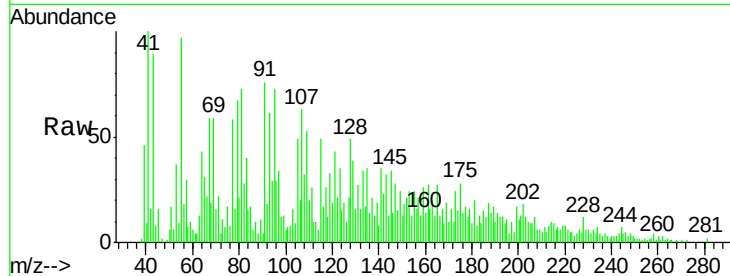




#74
Fluoranthene
Concen: Below Cal
RT: 12.38 min Scan# 918
Delta R.T. -0.06 min
Lab File: BF092103.D
Acq: 5 Jan 2017 21:52

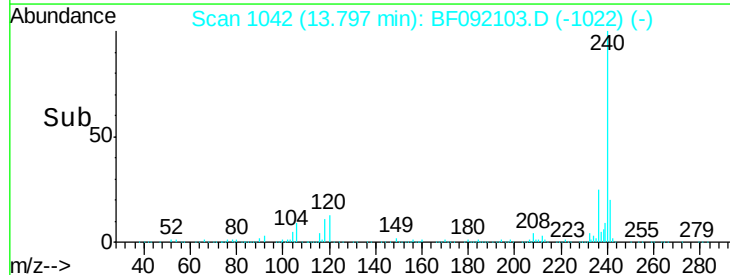
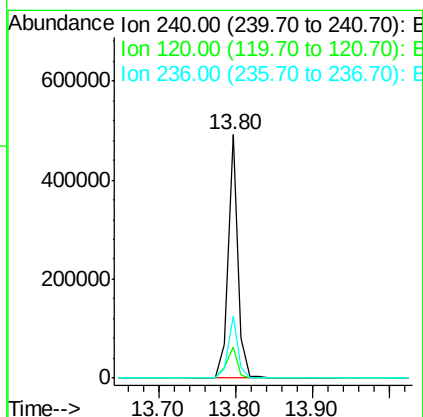
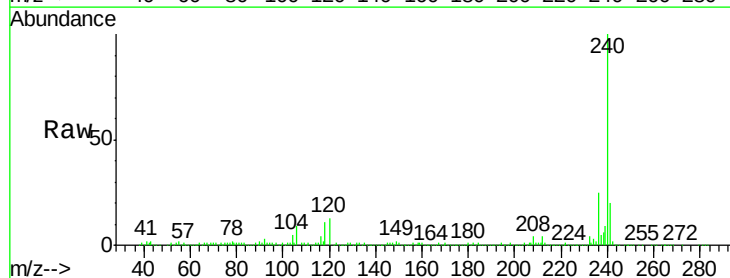
Instrument :
BNA_F
ClientSampled :
MW-33

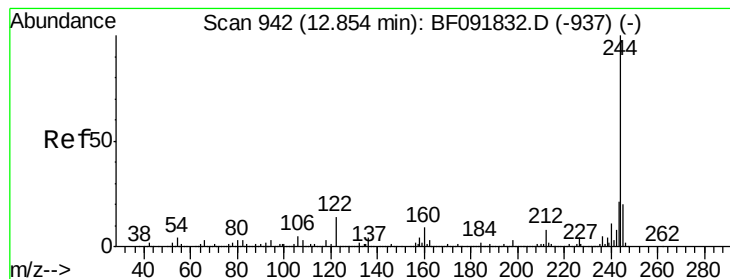
Tgt Ion: 202 Resp: 8202
Ion Ratio Lower Upper
202 100
101 41.2 0.0 34.6#
203 69.3 0.0 38.7#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.80 min Scan# 1042
Delta R.T. -0.07 min
Lab File: BF092103.D
Acq: 5 Jan 2017 21:52

Tgt Ion: 240 Resp: 448337
Ion Ratio Lower Upper
240 100
120 12.9 12.9 19.3
236 25.2 20.9 31.3





#78

Terphenyl-d14

Concen: 92.62 ng

RT: 12.76 min Scan# 951

Delta R.T. -0.06 min

Lab File: BF092103.D

Acq: 5 Jan 2017 21:52

Instrument :

BNA_F

ClientSampleId :

MW-33

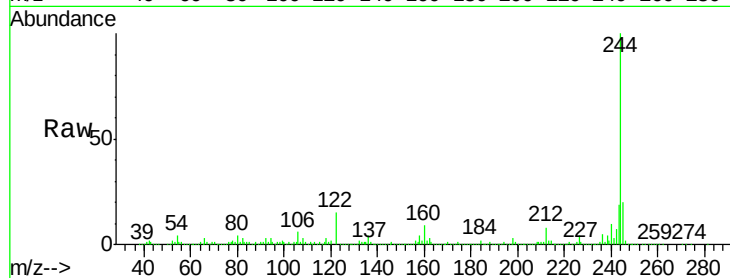
Tgt Ion:244 Resp: 1712088

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

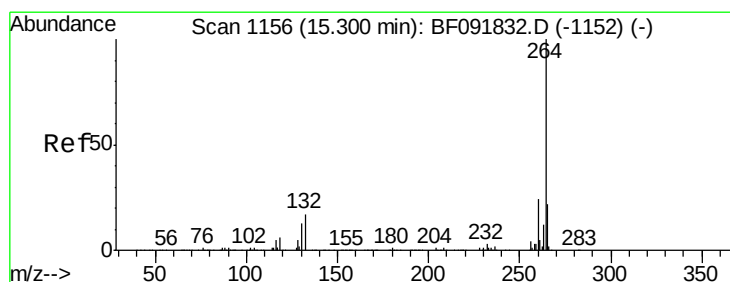
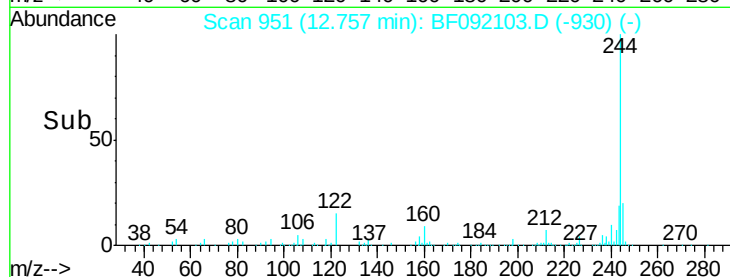
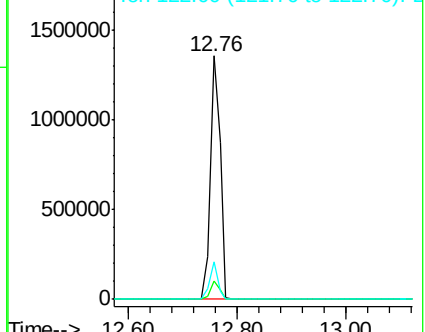
122 15.2 11.4 17.2



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: 15.17 min Scan# 1162

Delta R.T. -0.09 min

Lab File: BF092103.D

Acq: 5 Jan 2017 21:52

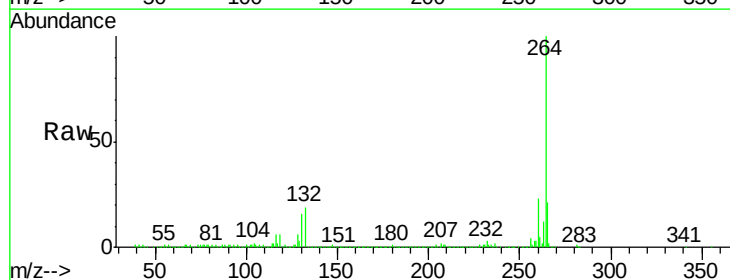
Tgt Ion:264 Resp: 428912

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.3 17.4 26.0



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

