

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033117\
 Data File : BF094114.D
 Acq On : 1 Apr 2017 1:49
 Operator : SJ/MA
 Sample : I2463-09 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB-8-9-SSW

Quant Time: Apr 01 02:17:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

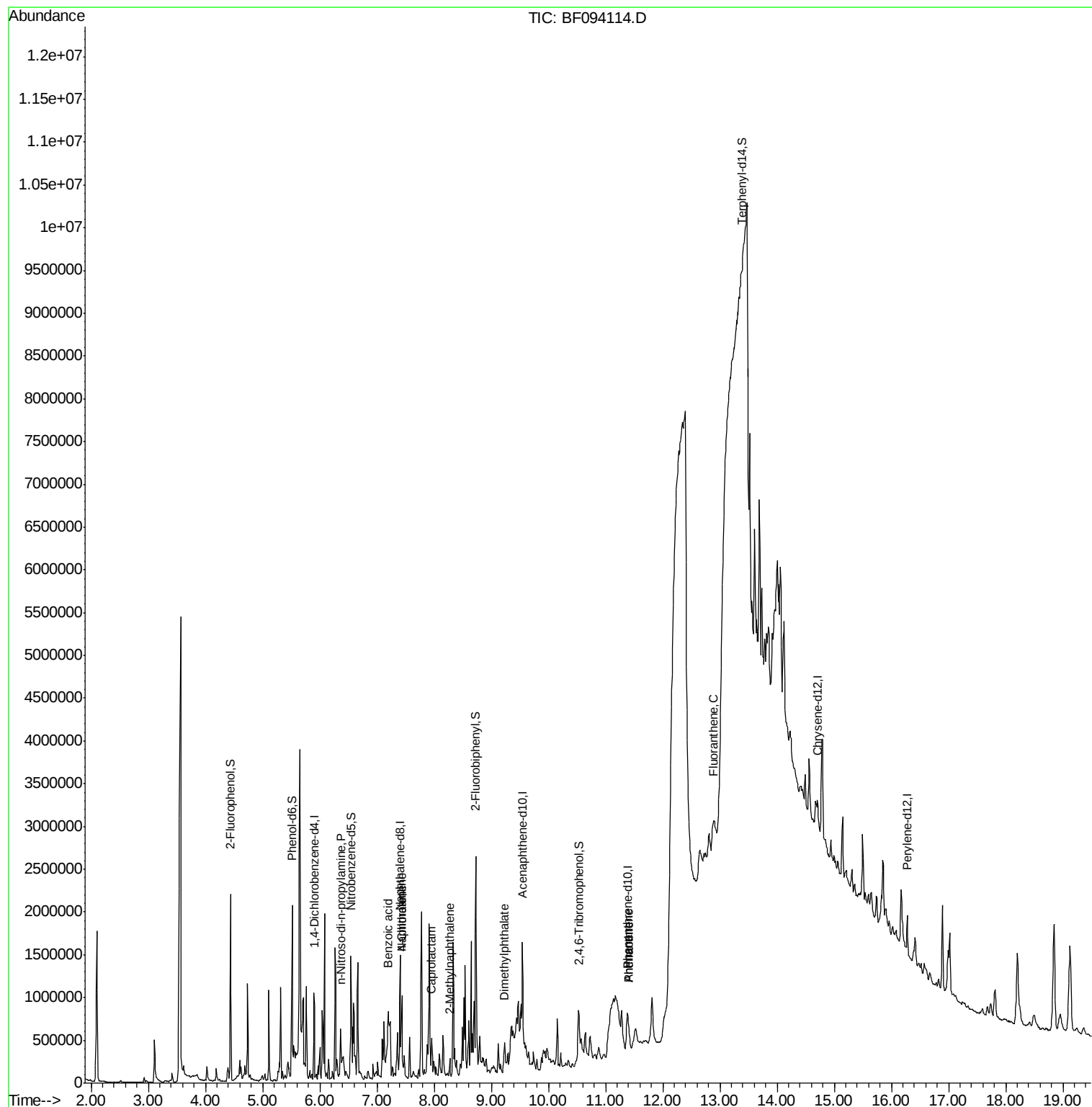
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.90	152	165159	20.00	ng	0.00
21) Naphthalene-d8	7.40	136	607982	20.00	ng	0.00
38) Acenaphthene-d10	9.55	164	234718	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	376627	20.00	ng	0.00
75) Chrysene-d12	14.71	240	295602	20.00	ng	0.08
86) Perylene-d12	16.27	264	231771	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.44	112	644301	65.89	ng	0.00
7) Phenol-d6	5.52	99	771174	63.75	ng	0.00
23) Nitrobenzene-d5	6.55	82	442485	41.53	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	124772	67.27	ng	0.00
44) 2-Fluorobiphenyl	8.73	172	829491	53.90	ng	0.00
78) Terphenyl-d14	13.37	244	74777	5.67	ng	0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.36	70	49165	6.32	ng	# 69
31) Naphthalene	7.43	128	319377	10.92	ng	100
32) Benzoic acid	7.19	122	19707	3.43	ng	# 23
33) 4-Chloroaniline	7.43	127	42296	3.57	ng	# 36
35) Caprolactam	7.96	113	8586	3.34	ng	# 22
37) 2-Methylnaphthalene	8.27	142	54166	2.78	ng	96
49) Dimethylphthalate	9.22	163	39826	2.39	ng	98
70) Phenanthrene	11.41	178	186168	8.89	ng	97
71) Anthracene	11.41	178	186168	8.63	ng	98
74) Fluoranthene	12.89	202	72598	3.38	ng	# 1

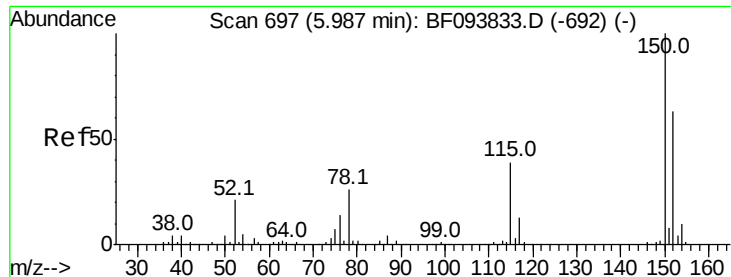
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.90 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF094114.D

Acq: 1 Apr 2017 1:49

Instrument :

BNA_F

ClientSampleId :

E2-BB-8-9-SSW

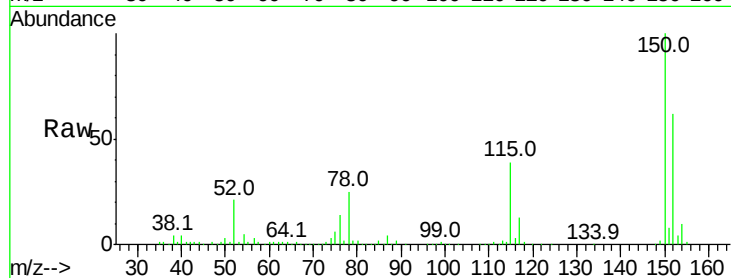
Tot Ion:152 Resp: 165159

Ion Ratio Lower Upper

152 100

150 160.3 126.2 189.2

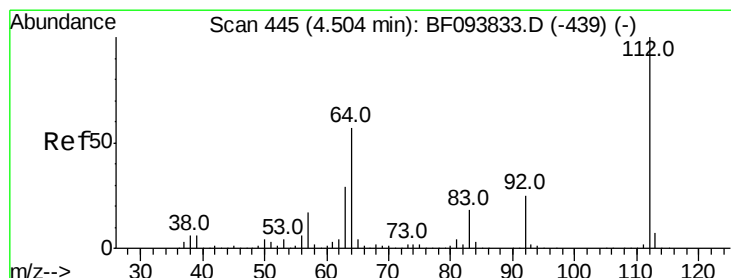
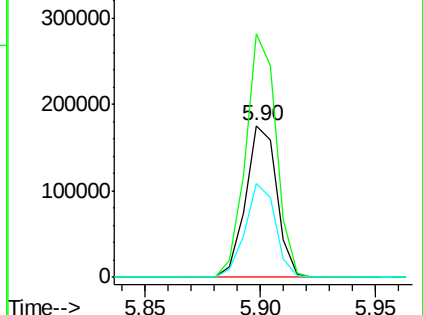
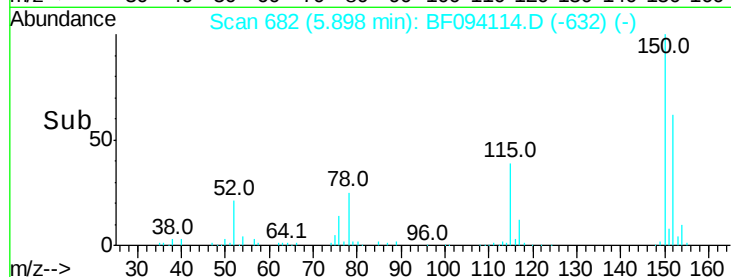
115 62.0 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 65.89 ng

RT: 4.44 min Scan# 434

Delta R.T. 0.01 min

Lab File: BF094114.D

Acq: 1 Apr 2017 1:49

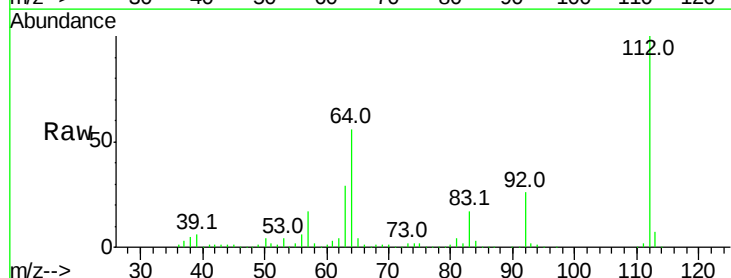
Tgt Ion:112 Resp: 644301

Ion Ratio Lower Upper

112 100

64 56.2 46.0 69.0

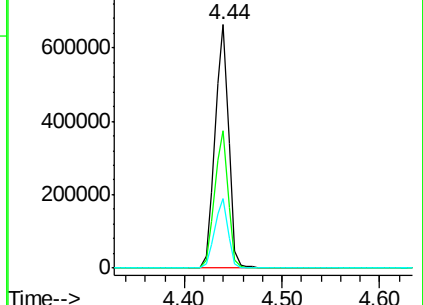
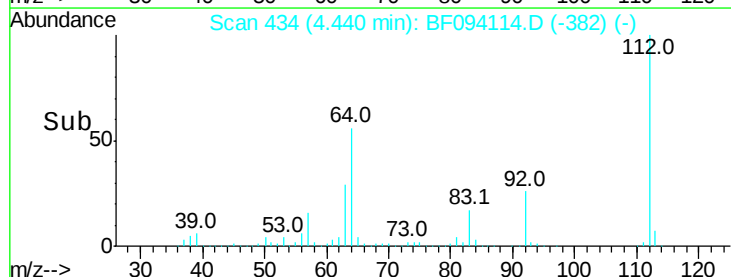
63 28.7 23.4 35.0

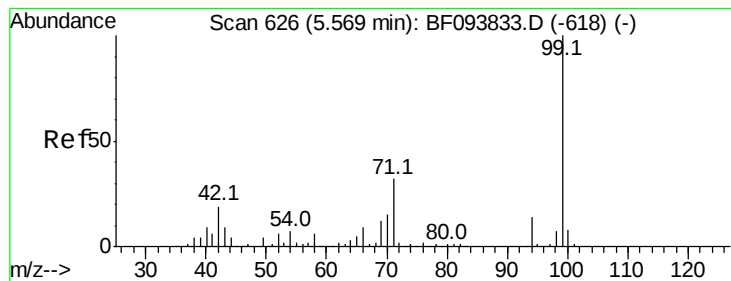


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 63.75 ng

RT: 5.52 min Scan# 617

Delta R.T. 0.01 min

Lab File: BF094114.D

Acq: 1 Apr 2017 1:49

Instrument :

BNA_F

ClientSampleId :

E2-BB-8-9-SSW

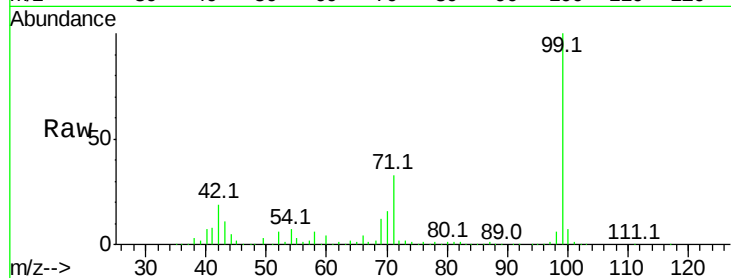
Tot Ion: 99 Resp: 771174

Ion Ratio Lower Upper

99 100

42 18.6 13.5 20.3

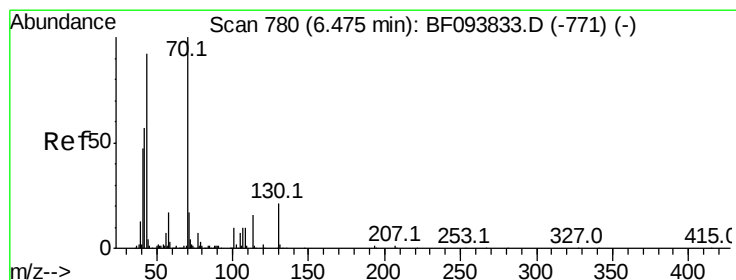
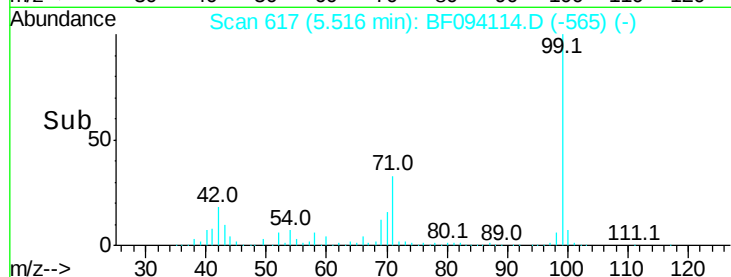
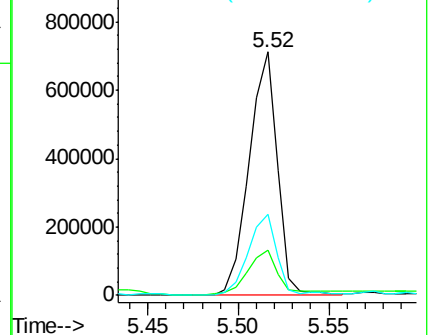
71 33.2 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.32 ng

RT: 6.36 min Scan# 761

Delta R.T. -0.03 min

Lab File: BF094114.D

Acq: 1 Apr 2017 1:49

Tgt Ion: 70 Resp: 49165

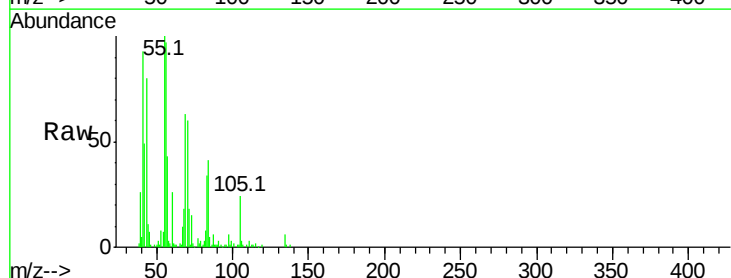
Ion Ratio Lower Upper

70 100

42 81.1 47.2 70.8#

101 3.6 7.2 10.8#

130 0.0 15.9 23.9#

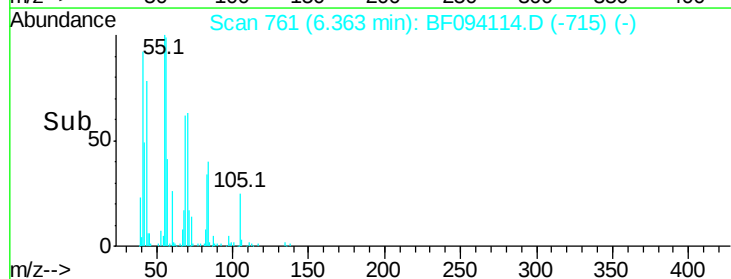
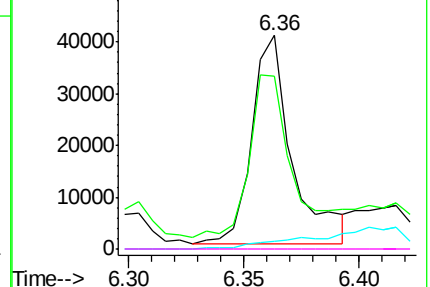


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF094114.D

Acq: 1 Apr 2017 1:49

Instrument :

BNA_F

ClientSampleId :

E2-BB-8-9-SSW

Tot Ion:136 Resp: 607982

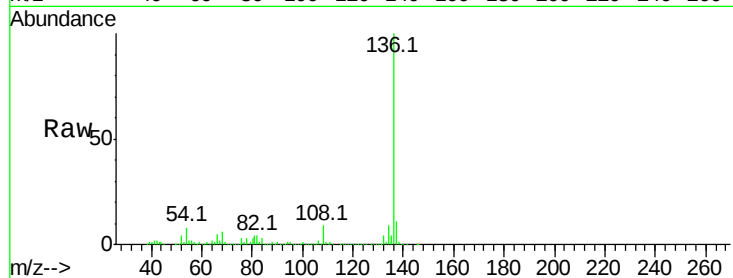
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 8.2 4.9 7.3#

68 6.0 4.1 6.1

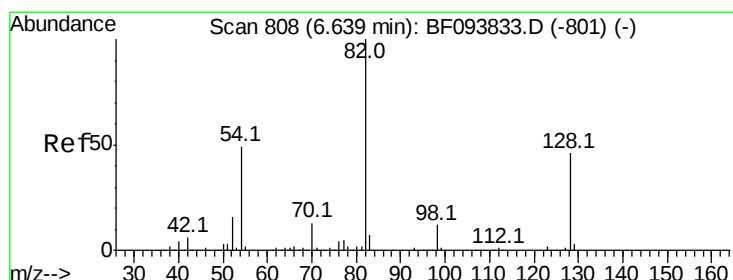
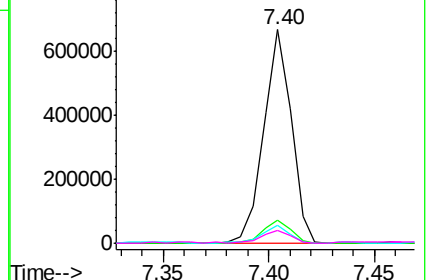
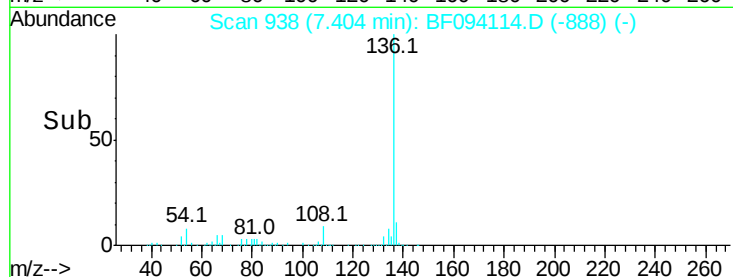


Abundance Ion 136.00 (135.70 to 136.70): E

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: 41.53 ng

RT: 6.55 min Scan# 792

Delta R.T. -0.01 min

Lab File: BF094114.D

Acq: 1 Apr 2017 1:49

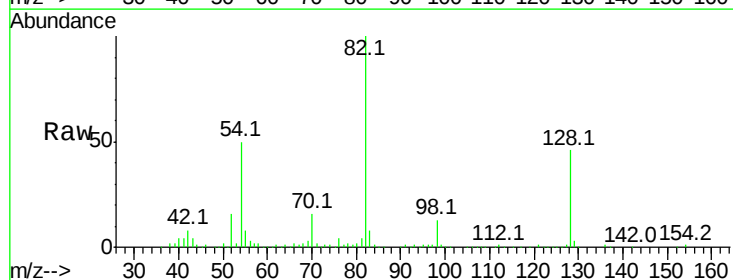
Tgt Ion: 82 Resp: 442485

Ion Ratio Lower Upper

82 100

128 45.9 34.0 51.0

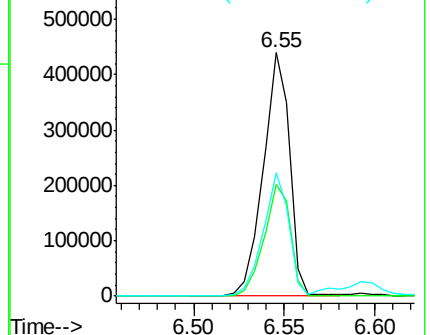
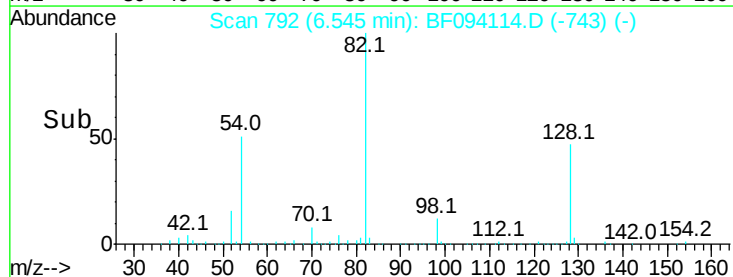
54 50.4 42.2 63.2

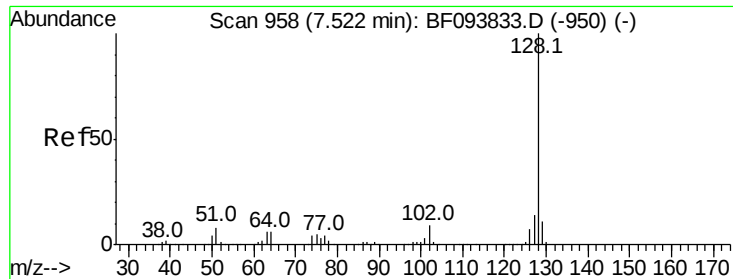


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

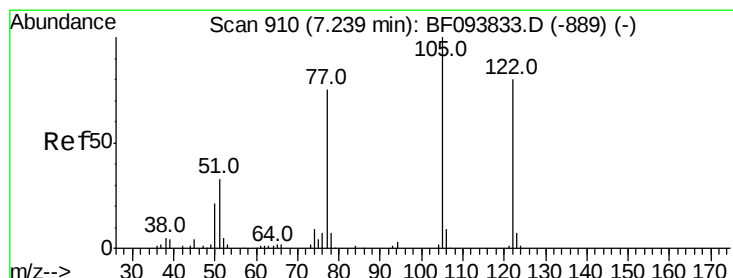
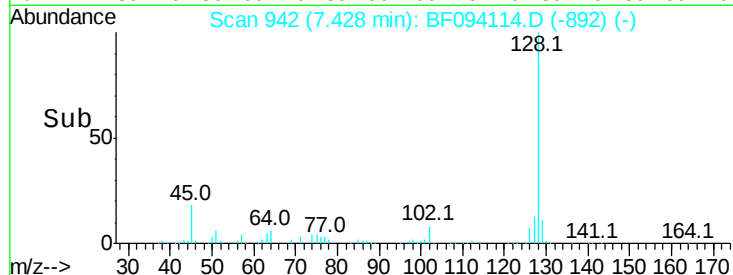
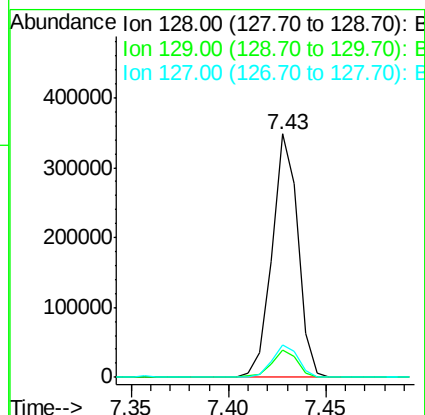
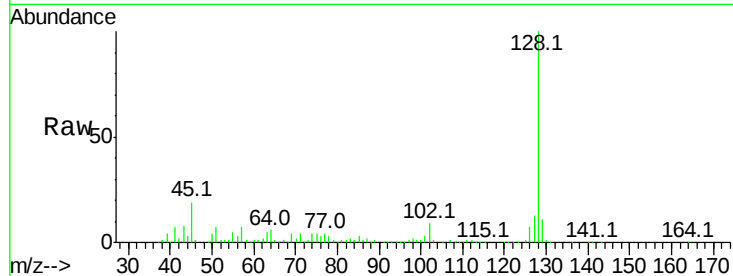




#31
Naphthalene
Concen: 10.92 ng
RT: 7.43 min Scan# 942
Delta R.T. -0.01 min
Lab File: BF094114.D
Acq: 1 Apr 2017 1:49

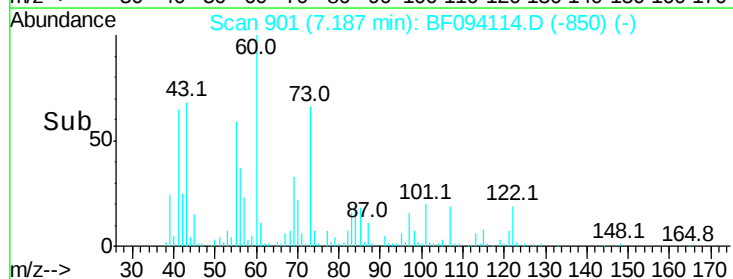
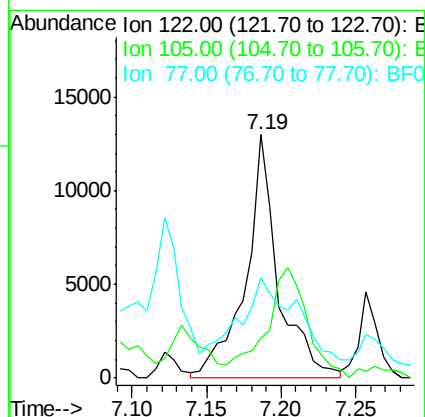
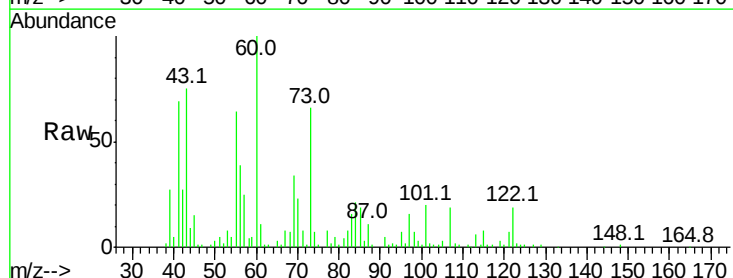
Instrument :
BNA_F
ClientSampleId :
E2-BB-8-9-SSW

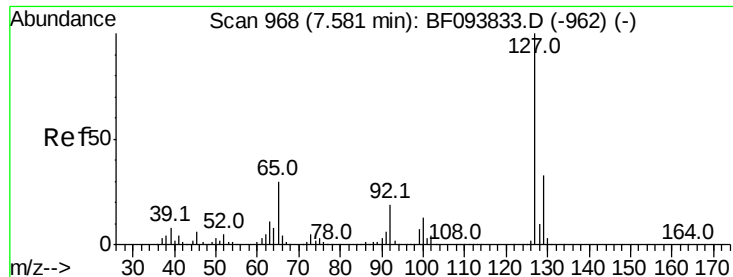
Tot Ion:128 Resp: 319377
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.3 10.8 16.2



#32
Benzoic acid
Concen: 3.43 ng
RT: 7.19 min Scan# 901
Delta R.T. -0.00 min
Lab File: BF094114.D
Acq: 1 Apr 2017 1:49

Tgt Ion:122 Resp: 19707
Ion Ratio Lower Upper
122 100
105 16.3 103.3 143.3#
77 41.4 73.7 113.7#

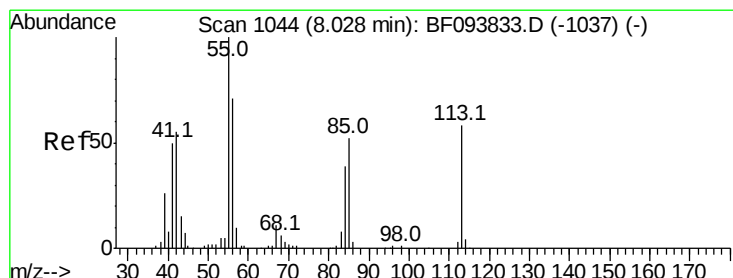
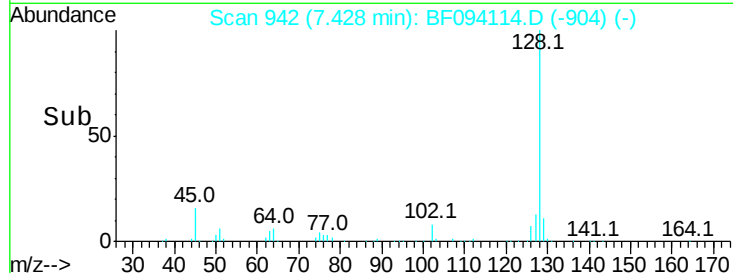
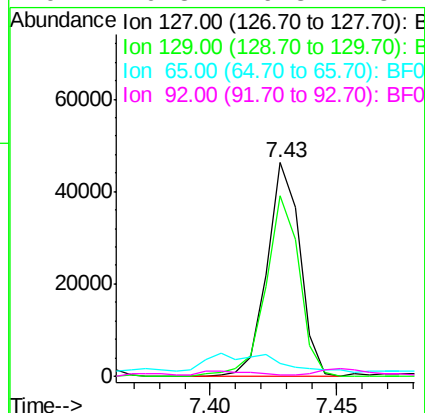
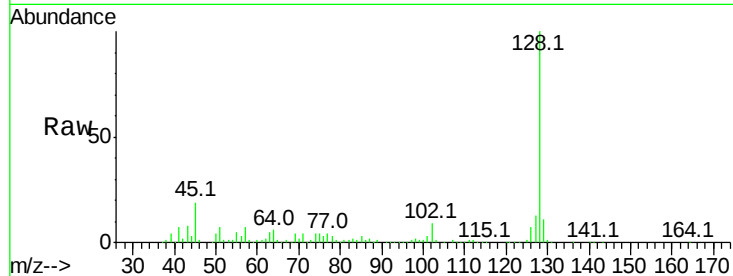




#33
4-Chloroaniline
Concen: 3.57 ng
RT: 7.43 min Scan# 942
Delta R.T. -0.08 min
Lab File: BF094114.D
Acq: 1 Apr 2017 1:49

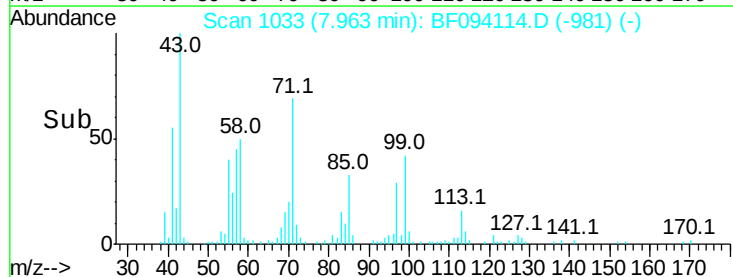
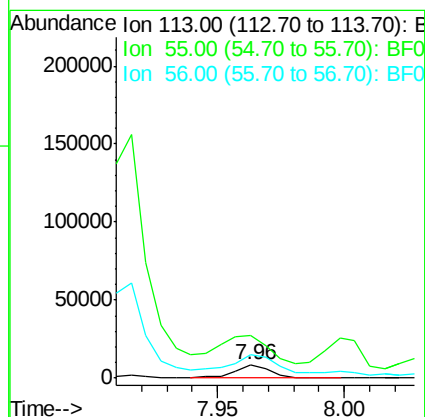
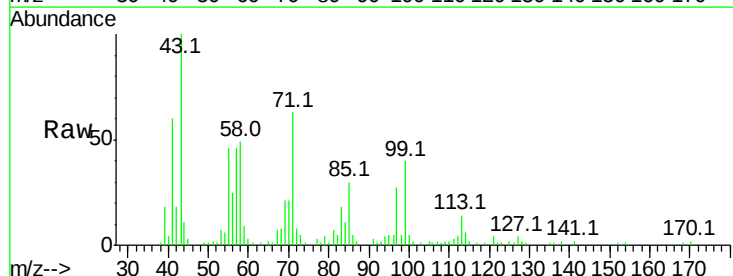
Instrument :
BNA_F
ClientSampleId :
E2-BB-8-9-SSW

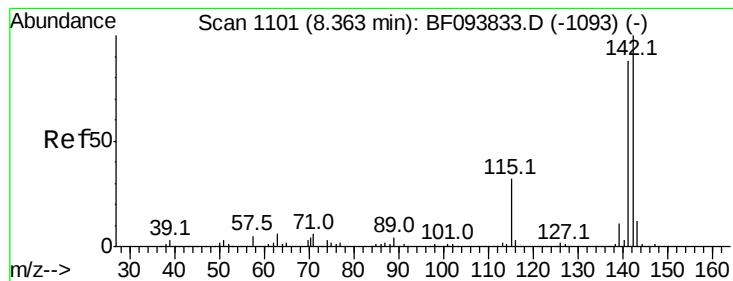
Tot Ion:127 Resp: 42296
Ion Ratio Lower Upper
127 100
129 84.4 26.2 39.2#
65 6.1 27.8 41.8#
92 0.8 16.8 25.2#



#35
Caprolactam
Concen: 3.34 ng
RT: 7.96 min Scan# 1033
Delta R.T. 0.01 min
Lab File: BF094114.D
Acq: 1 Apr 2017 1:49

Tgt Ion:113 Resp: 8586
Ion Ratio Lower Upper
113 100
55 318.2 150.2 190.2#
56 172.9 107.8 147.8#

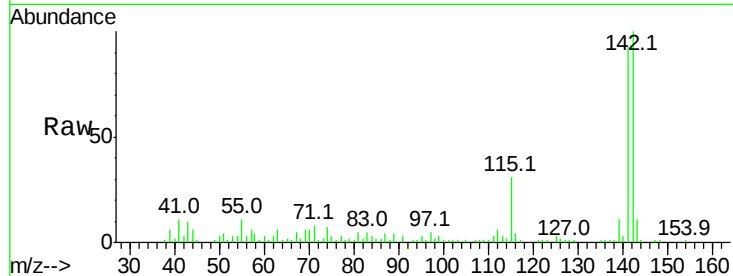




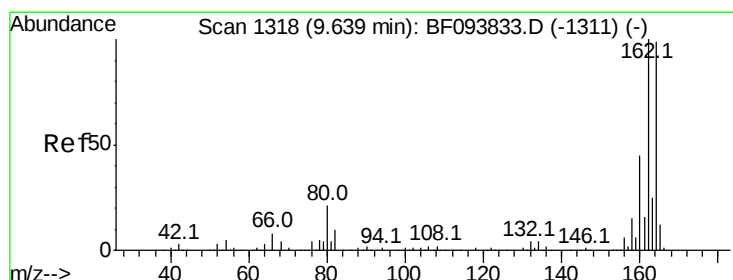
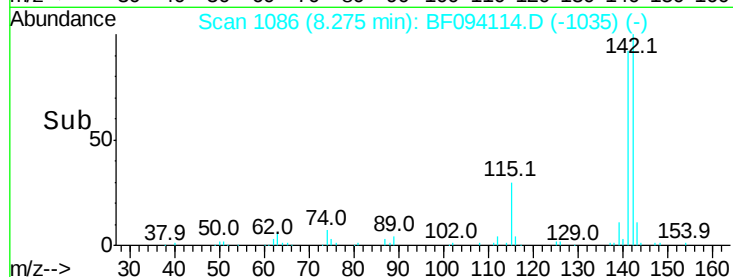
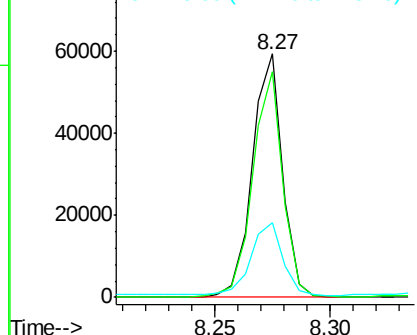
#37
2-Methylnaphthalene
Concen: 2.78 ng
RT: 8.27 min Scan# 1086
Delta R.T. -0.00 min
Lab File: BF094114.D
Acq: 1 Apr 2017 1:49

Instrument :
BNA_F
ClientSampleId :
E2-BB-8-9-SSW

Tot Ion:142 Resp: 54166
Ion Ratio Lower Upper
142 100
141 92.5 71.3 106.9
115 30.9 27.1 40.7

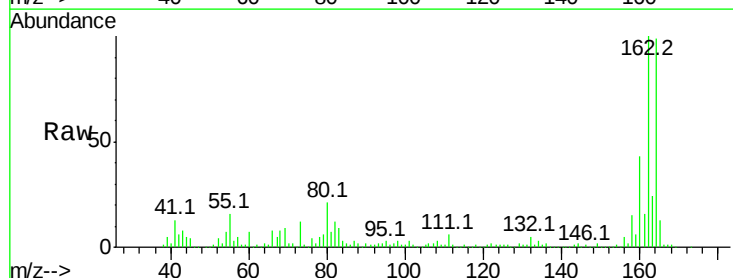


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

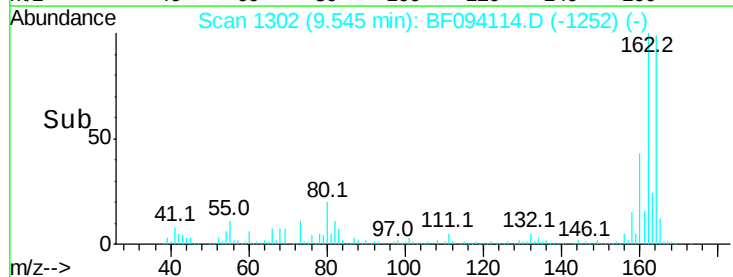
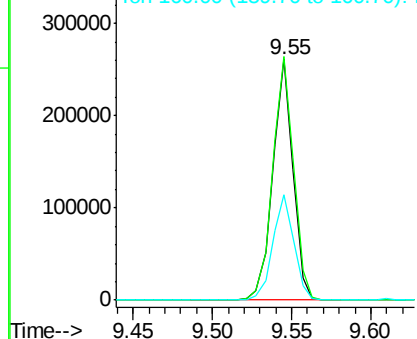


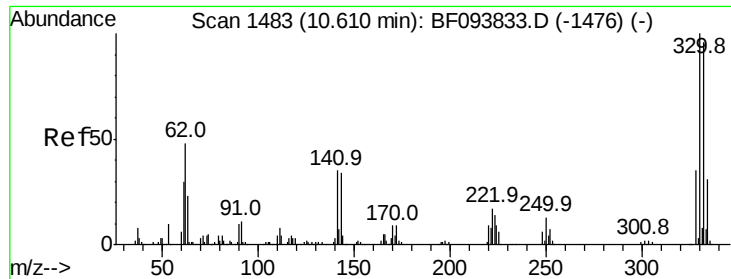
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.55 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF094114.D
Acq: 1 Apr 2017 1:49

Tgt Ion:164 Resp: 234718
Ion Ratio Lower Upper
164 100
162 101.2 82.6 123.8
160 43.9 36.2 54.2



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

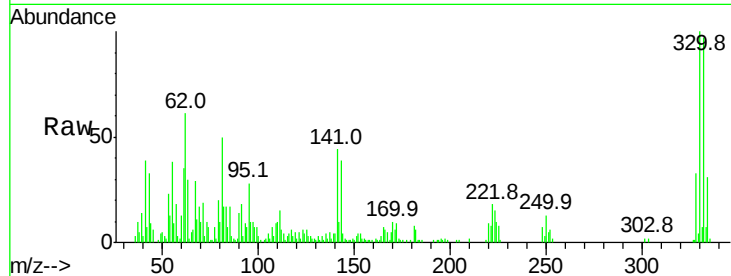




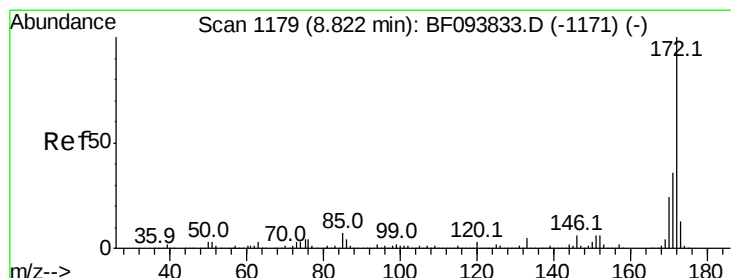
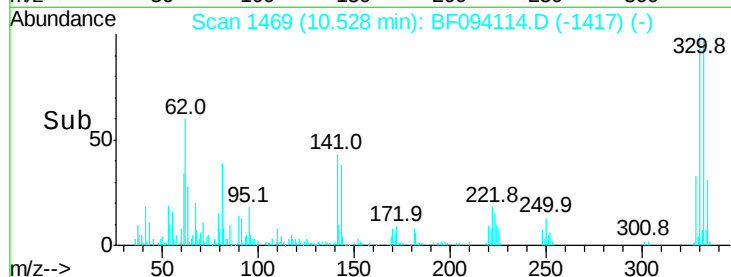
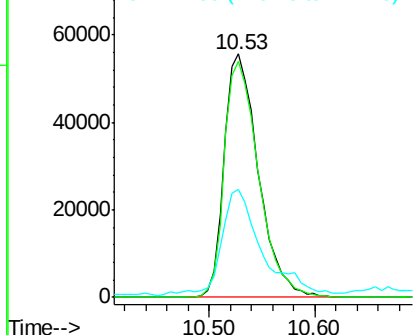
#41
 2,4,6-Tribromophenol
 Concen: 67.27 ng
 RT: 10.53 min Scan# 1469
 Delta R.T. 0.01 min
 Lab File: BF094114.D
 Acq: 1 Apr 2017 1:49

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB-8-9-SSW

Tot Ion:330 Resp: 124772
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.6 115.0
 141 51.4 31.4 47.2#

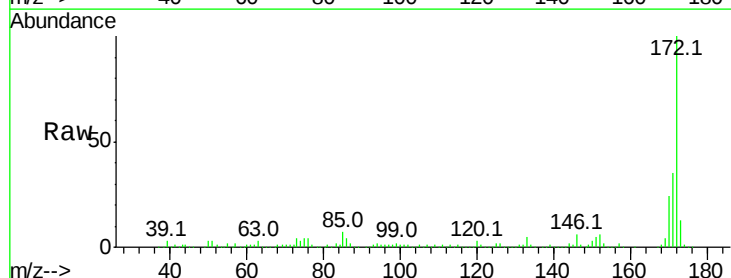


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

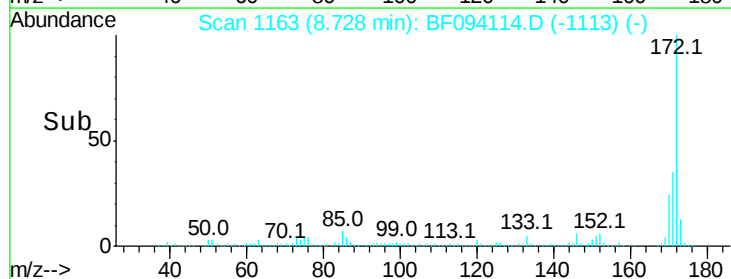
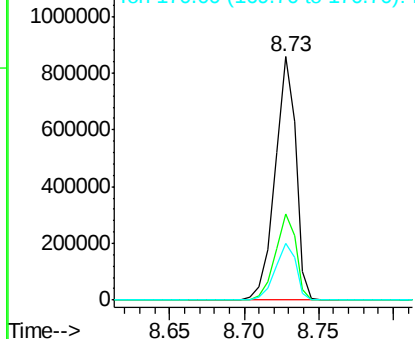


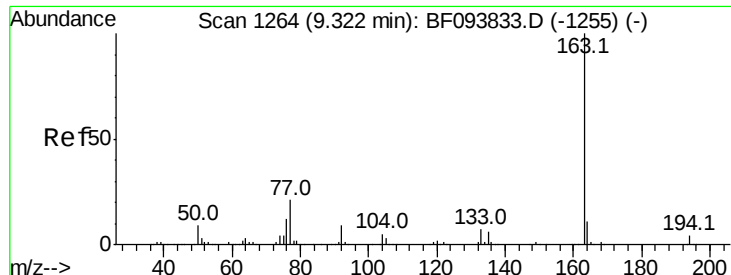
#44
 2-Fluorobiphenyl
 Concen: 53.90 ng
 RT: 8.73 min Scan# 1163
 Delta R.T. -0.01 min
 Lab File: BF094114.D
 Acq: 1 Apr 2017 1:49

Tgt Ion:172 Resp: 829491
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.6 44.4
 170 23.6 19.8 29.8



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

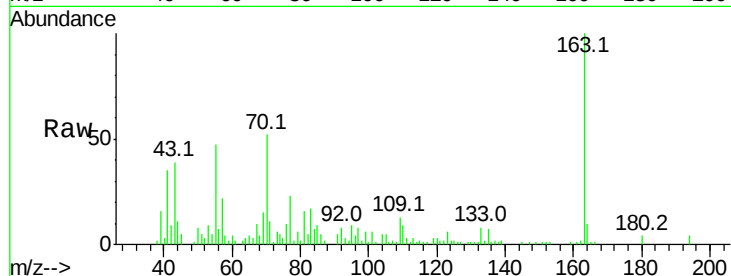




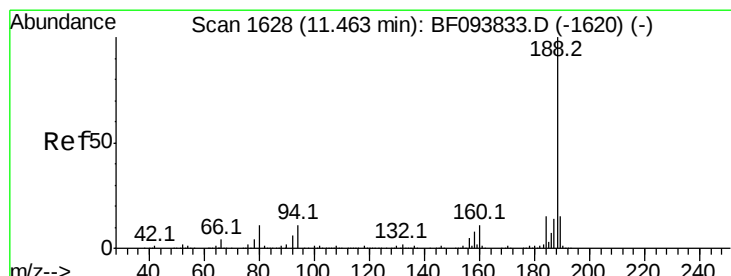
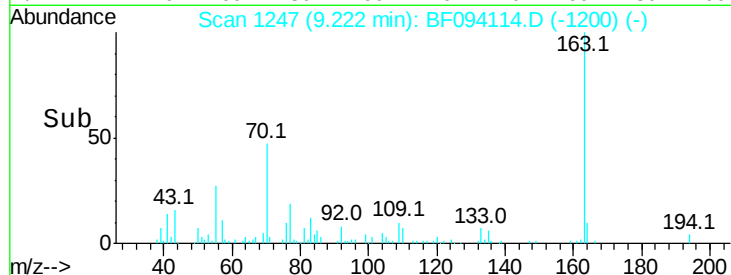
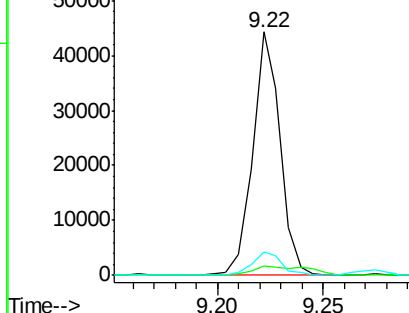
#49
Dimethylphthalate
Concen: 2.39 ng
RT: 9.22 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BF094114.D
Acq: 1 Apr 2017 1:49

Instrument :
BNA_F
ClientSampleId :
E2-BB-8-9-SSW

Tot Ion:163 Resp: 39826
Ion Ratio Lower Upper
163 100
194 3.9 2.6 4.0
164 9.5 8.4 12.6

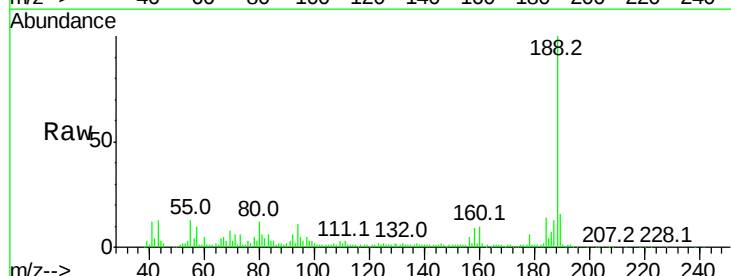


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

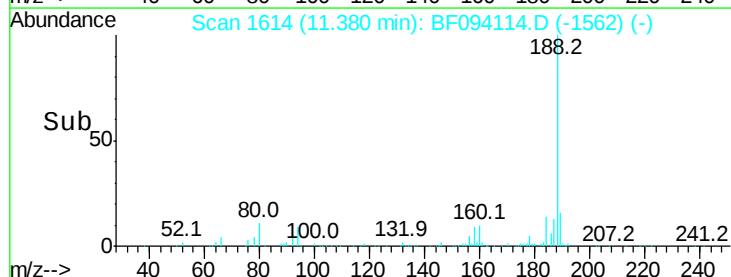
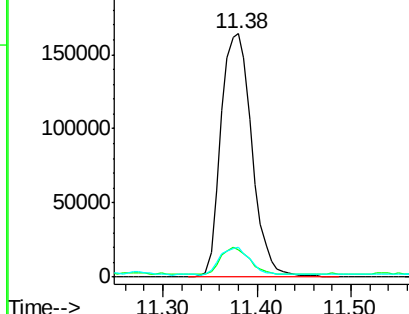


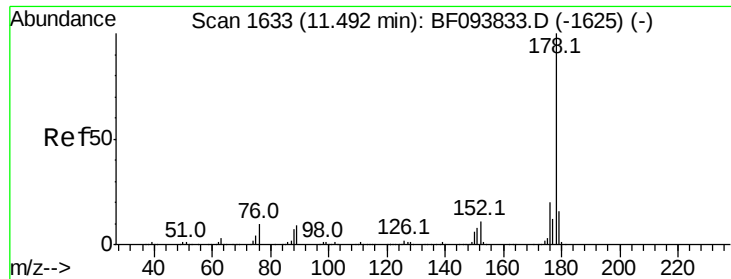
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 1614
Delta R.T. 0.01 min
Lab File: BF094114.D
Acq: 1 Apr 2017 1:49

Tgt Ion:188 Resp: 376627
Ion Ratio Lower Upper
188 100
94 11.2 9.4 14.2
80 12.4 10.2 15.2



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

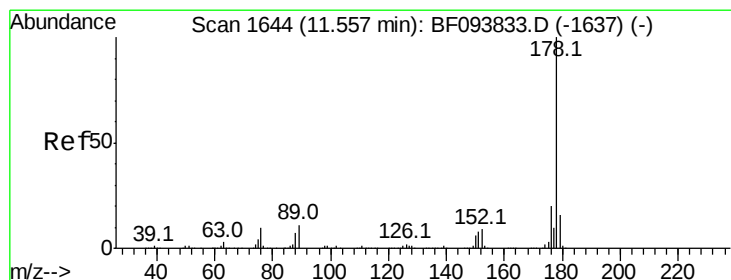
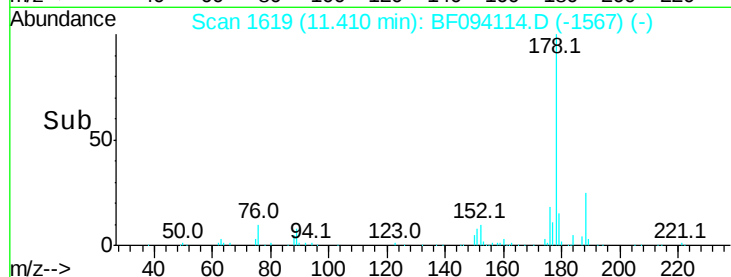
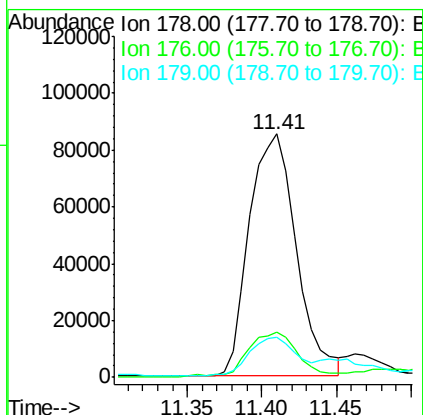
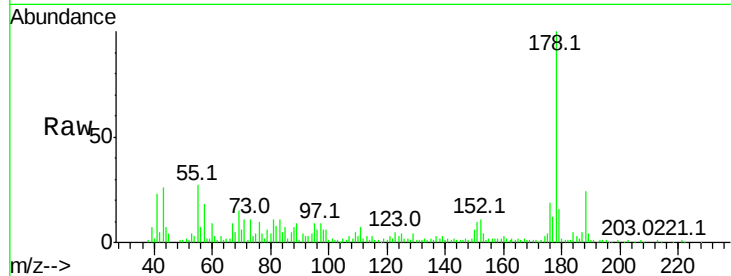




#70
 Phenanthrene
 Concen: 8.89 ng
 RT: 11.41 min Scan# 1619
 Delta R.T. 0.01 min
 Lab File: BF094114.D
 Acq: 1 Apr 2017 1:49

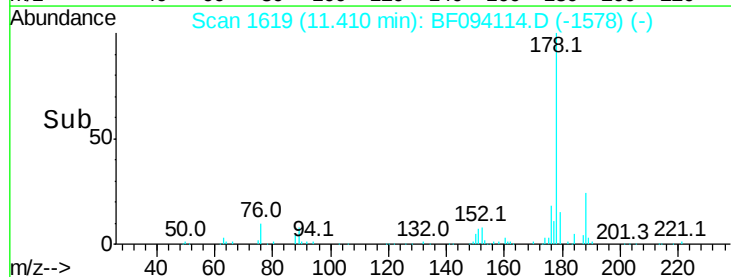
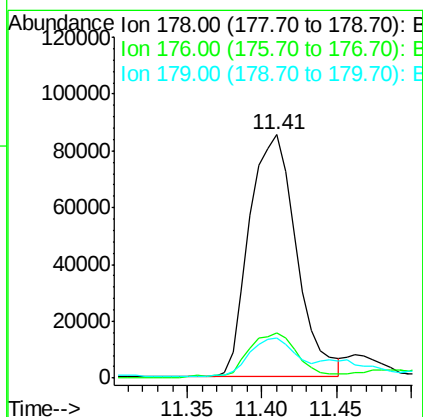
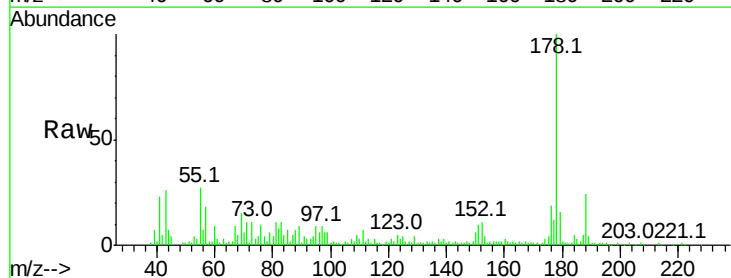
Instrument :
 BNA_F
 ClientSampleId :
 E2-BB-8-9-SSW

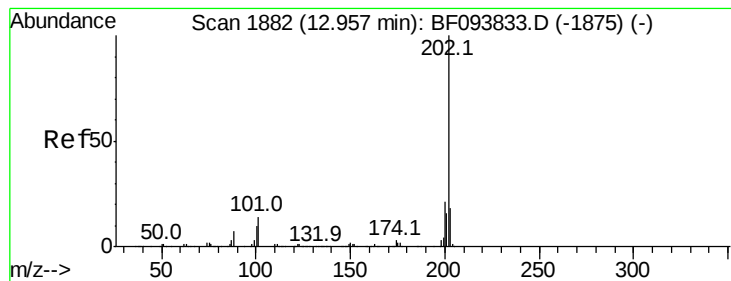
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.2	24.4
179	16.3	12.6	19.0



#71
 Anthracene
 Concen: 8.63 ng
 RT: 11.41 min Scan# 1619
 Delta R.T. -0.06 min
 Lab File: BF094114.D
 Acq: 1 Apr 2017 1:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	16.3	12.7	19.1





#74

Fluoranthene

Concen: 3.38 ng

RT: 12.89 min Scan# 1871

Delta R.T. 0.02 min

Lab File: BF094114.D

Acq: 1 Apr 2017 1:49

Instrument :

BNA_F

ClientSampleId :

E2-BB-8-9-SSW

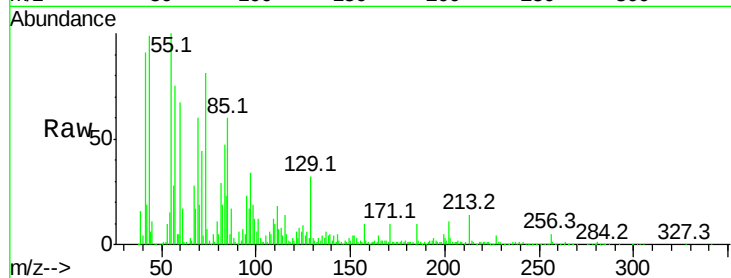
Tot Ion:202 Resp: 72598

Ion Ratio Lower Upper

202 100

101 105.9 0.0 33.2#

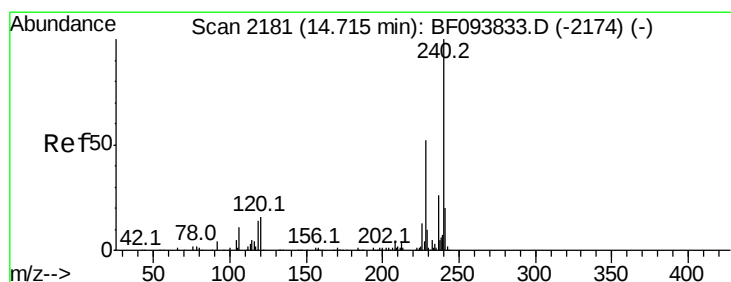
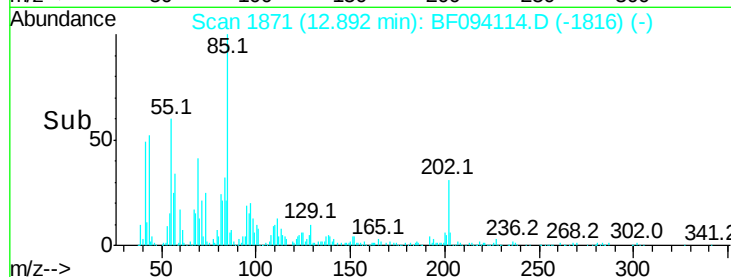
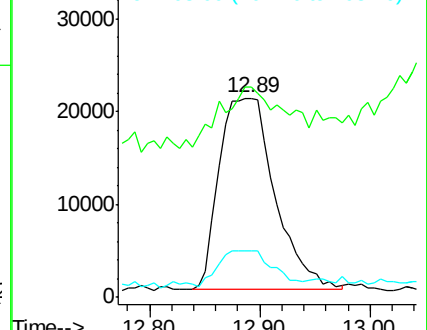
203 23.4 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.71 min Scan# 2180

Delta R.T. 0.08 min

Lab File: BF094114.D

Acq: 1 Apr 2017 1:49

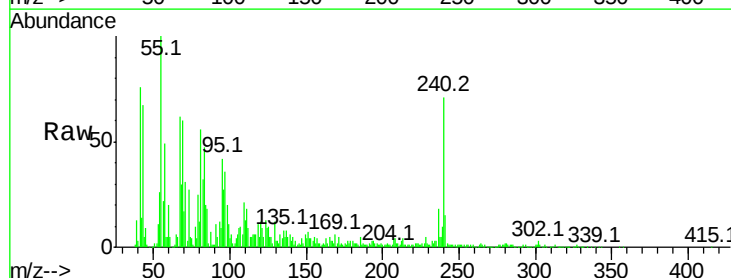
Tgt Ion:240 Resp: 295602

Ion Ratio Lower Upper

240 100

120 16.6 5.8 8.8#

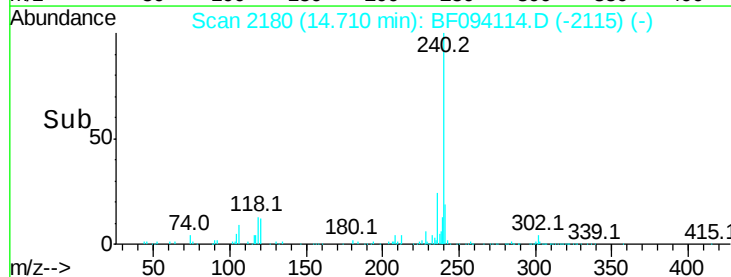
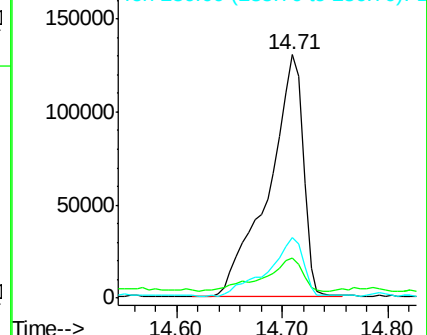
236 25.1 20.5 30.7

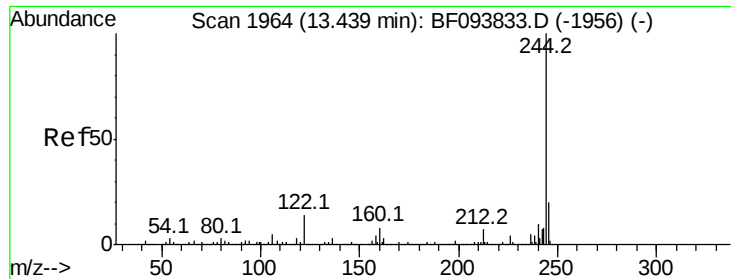


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 5.67 ng

RT: 13.37 min Scan# 1953

Delta R.T. 0.02 min

Lab File: BF094114.D

Acq: 1 Apr 2017 1:49

Instrument :

BNA_F

ClientSampleId :

E2-BB-8-9-SSW

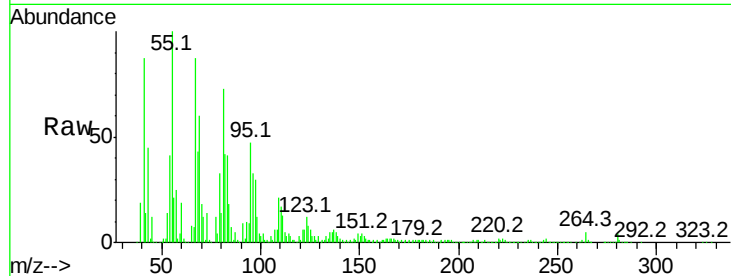
Tot Ion:244 Resp: 74777

Ion Ratio Lower Upper

244 100

212 9.4 6.0 9.0#

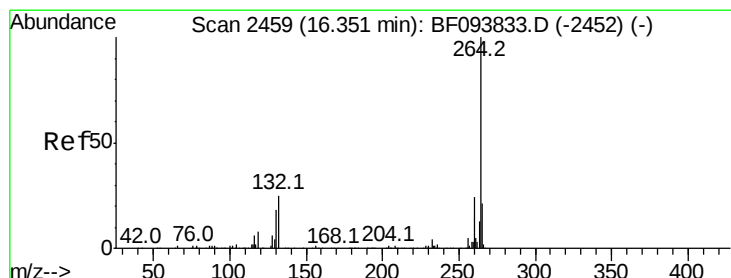
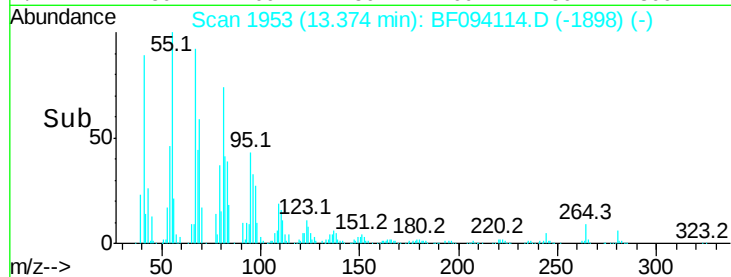
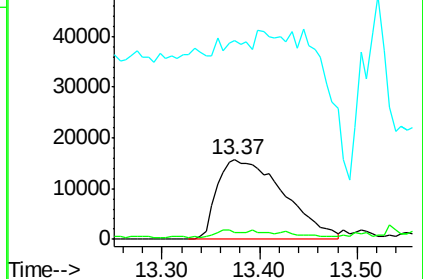
122 249.5 10.3 15.5#



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: 16.27 min Scan# 2446

Delta R.T. 0.02 min

Lab File: BF094114.D

Acq: 1 Apr 2017 1:49

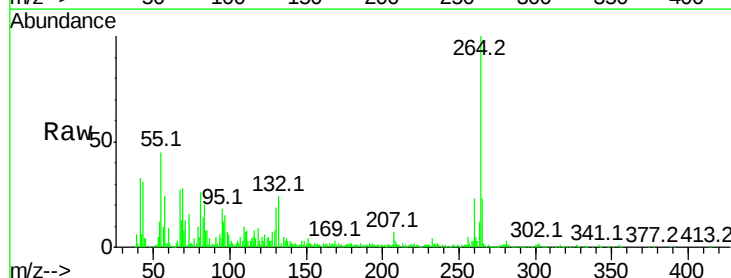
Tgt Ion:264 Resp: 231771

Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

265 22.8 17.2 25.8



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

