

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040417\
 Data File : BF094182.D
 Acq On : 4 Apr 2017 22:12
 Operator : SJ/MA
 Sample : I2516-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-4

Quant Time: Apr 05 00:59:45 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

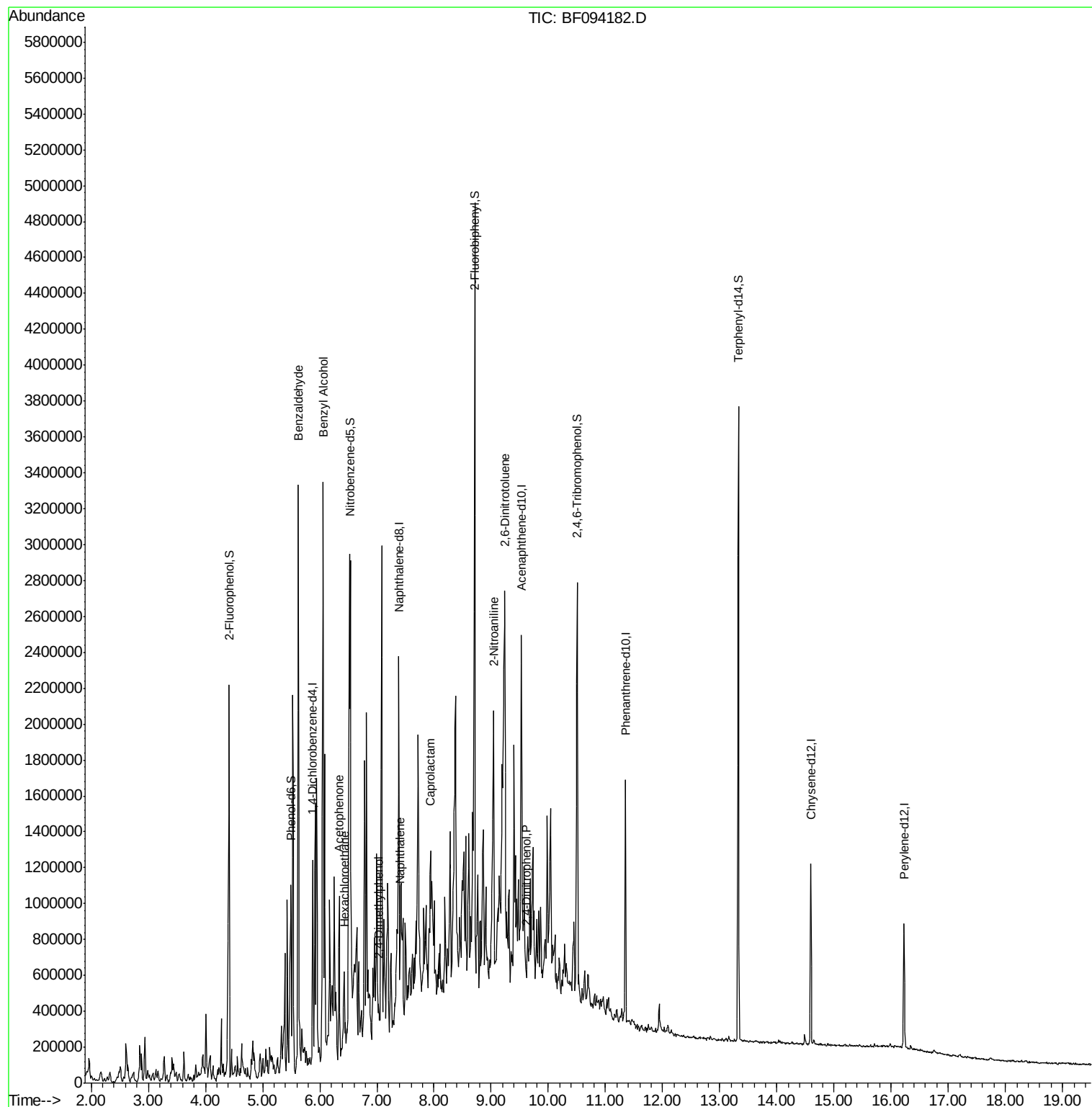
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.87	152	186038	20.00	ng	-0.03
21) Naphthalene-d8	7.38	136	697201	20.00	ng	-0.03
38) Acenaphthene-d10	9.53	164	340990	20.00	ng	-0.02
63) Phenanthrene-d10	11.35	188	560899	20.00	ng	-0.02
75) Chrysene-d12	14.60	240	422527	20.00	ng	-0.03
86) Perylene-d12	16.23	264	289606	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.41	112	673912	61.18	ng	-0.02
7) Phenol-d6	5.49	99	578937	42.49	ng	-0.02
23) Nitrobenzene-d5	6.53	82	1008670	82.56	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	352773	130.92	ng	-0.02
44) 2-Fluorobiphenyl	8.71	172	1795491	80.31	ng	-0.02
78) Terphenyl-d14	13.33	244	1406865	74.63	ng	-0.02
Target Compounds						
9) Benzaldehyde	5.63	77	25100	2.73	ng	Qvalue 81
15) Benzyl Alcohol	6.05	79	23915	2.40	ng	# 52
18) Hexachloroethane	6.43	117	17286	3.58	ng	# 1
22) Acetophenone	6.34	105	308775	19.87	ng	# 51
27) 2,4-Dimethylphenol	7.02	122	21410	2.16	ng	93
31) Naphthalene	7.40	128	145388	4.34	ng	94
35) Caprolactam	7.94	113	19632	6.65	ng	# 11
47) 2-Nitroaniline	9.05	65	54523	8.54	ng	# 29
50) 2,6-Dinitrotoluene	9.24	165	76853	13.83	ng	# 43
53) 2,4-Dinitrophenol	9.62	184	118	4.70	ng	# 1

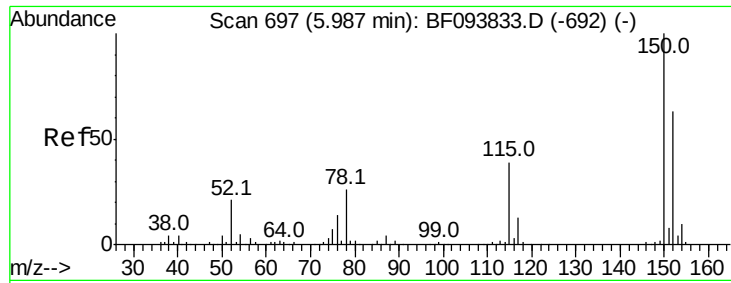
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.87 min Scan# 678

Delta R.T. -0.03 min

Lab File: BF094182.D

Acq: 4 Apr 2017 22:12

Instrument :

BNA_F

ClientSampleId :

MW-4

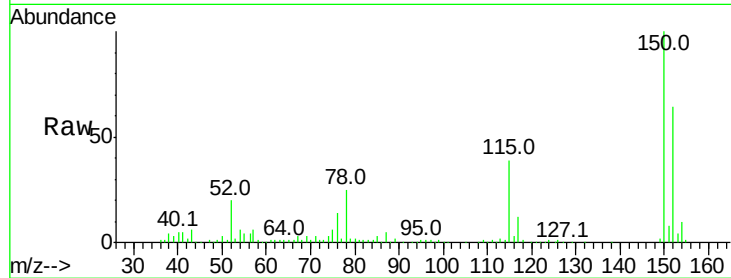
Tot Ion:152 Resp: 186038

Ion Ratio Lower Upper

152 100

150 157.0 126.2 189.2

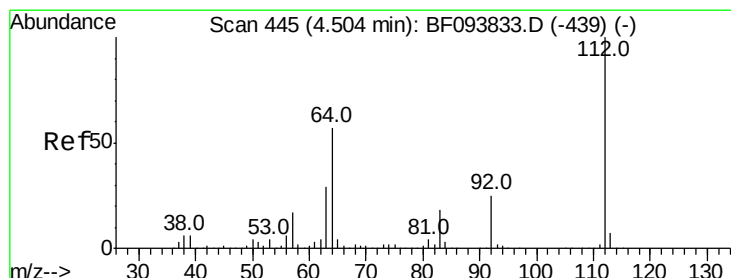
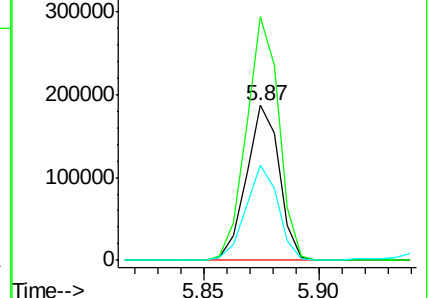
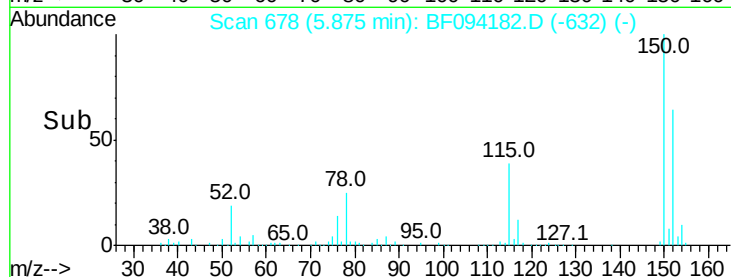
115 61.3 52.2 78.2



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: 61.18 ng

RT: 4.41 min Scan# 429

Delta R.T. -0.02 min

Lab File: BF094182.D

Acq: 4 Apr 2017 22:12

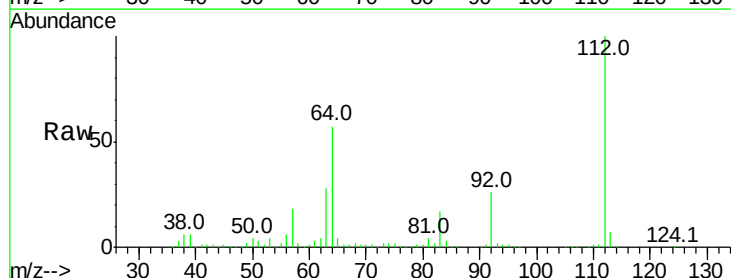
Tgt Ion:112 Resp: 673912

Ion Ratio Lower Upper

112 100

64 56.8 46.0 69.0

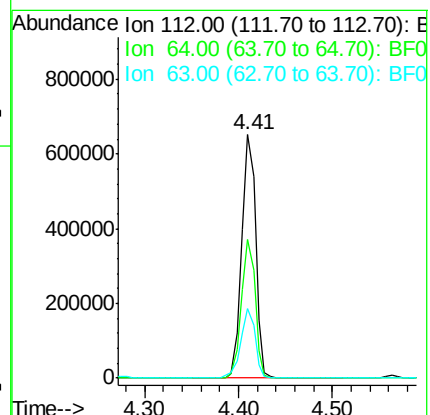
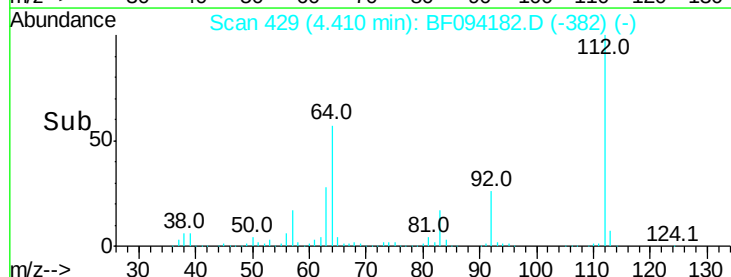
63 28.3 23.4 35.0

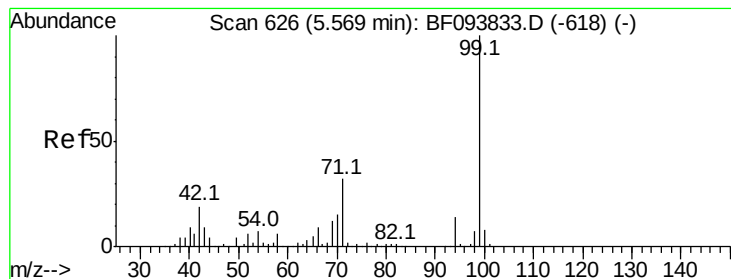


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 42.49 ng

RT: 5.49 min Scan# 613

Delta R.T. -0.02 min

Lab File: BF094182.D

Acq: 4 Apr 2017 22:12

Instrument :

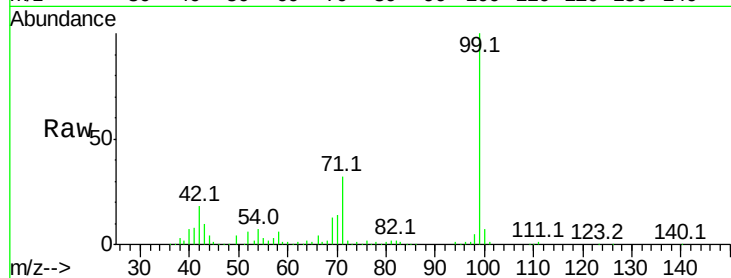
BNA_F

ClientSampled :

MW-4

Tot Ion: 99 Resp: 578937

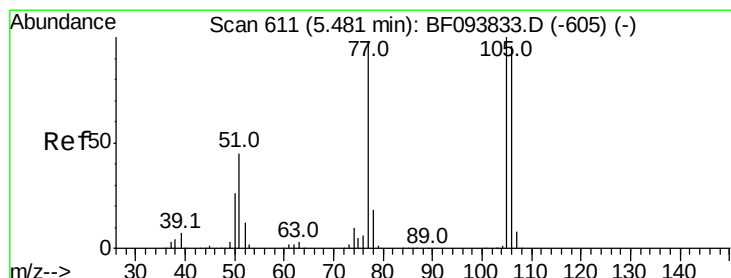
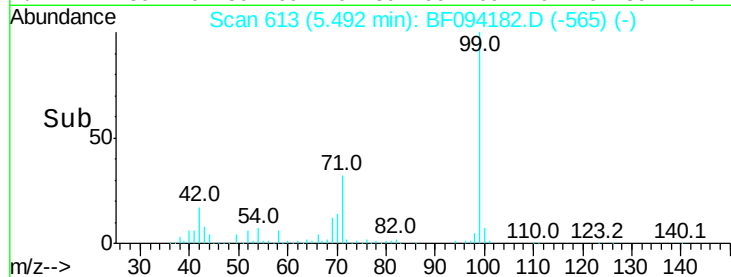
Ion	Ratio	Lower	Upper
99	100		
42	17.7	13.5	20.3
71	32.4	24.5	36.7



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



#9

Benzaldehyde

Concen: 2.73 ng

RT: 5.63 min Scan# 636

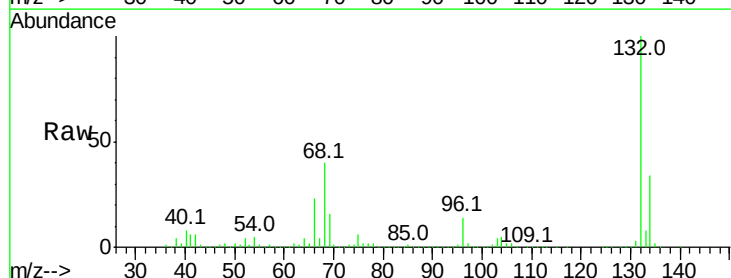
Delta R.T. 0.23 min

Lab File: BF094182.D

Acq: 4 Apr 2017 22:12

Tgt Ion: 77 Resp: 25100

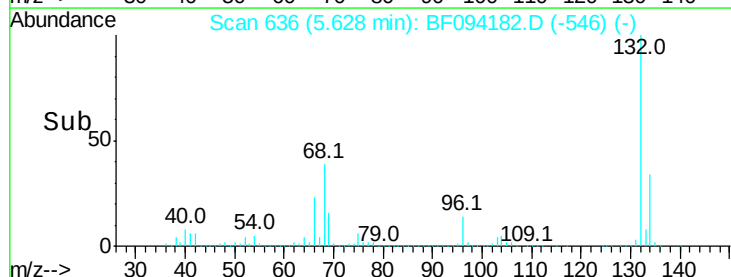
Ion	Ratio	Lower	Upper
77	100		
105	84.5	83.8	123.8
106	80.4	79.1	119.1

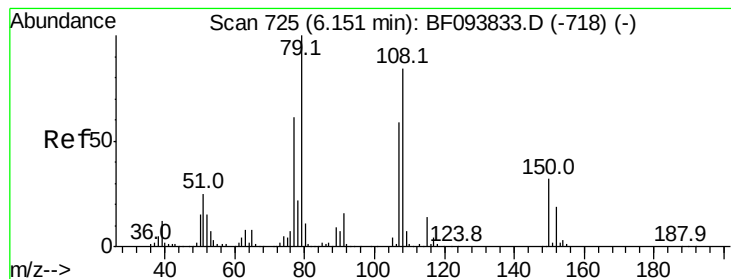


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.40 ng

RT: 6.05 min Scan# 708

Delta R.T. -0.02 min

Lab File: BF094182.D

Acq: 4 Apr 2017 22:12

Instrument :

BNA_F

ClientSampled :

MW-4

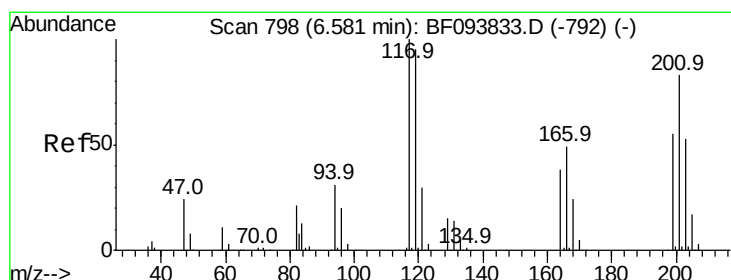
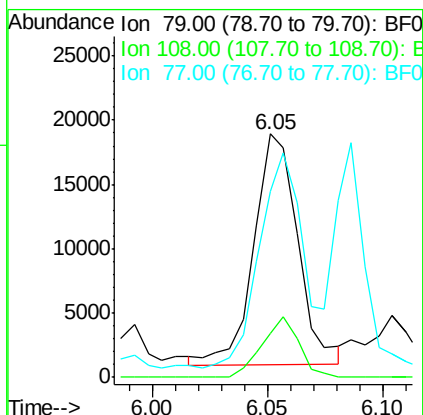
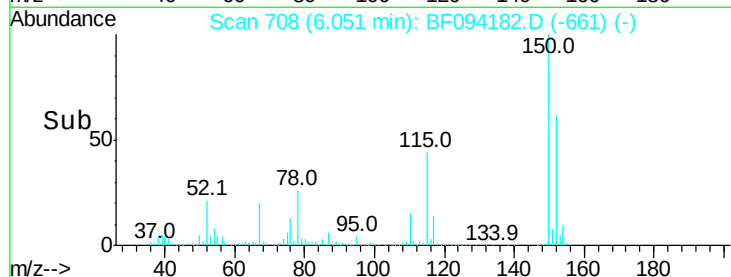
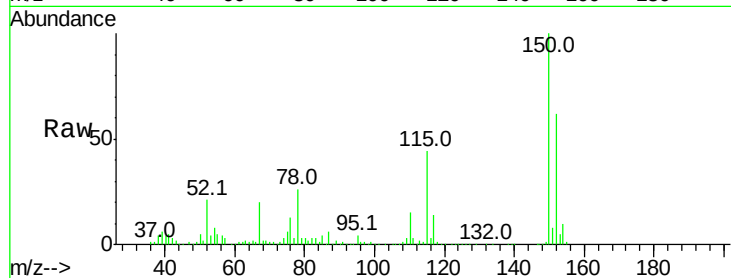
Tot Ion: 79 Resp: 23915

Ion Ratio Lower Upper

79 100

108 17.8 63.4 95.0#

77 76.4 49.2 73.8#



#18

Hexachloroethane

Concen: 3.58 ng

RT: 6.43 min Scan# 772

Delta R.T. -0.06 min

Lab File: BF094182.D

Acq: 4 Apr 2017 22:12

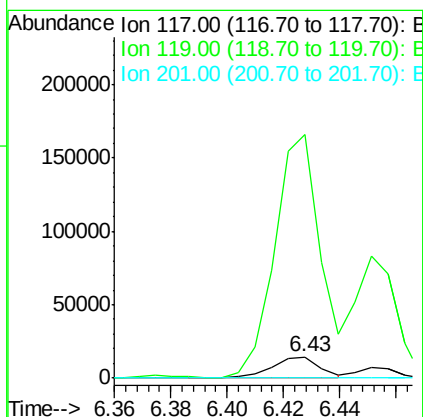
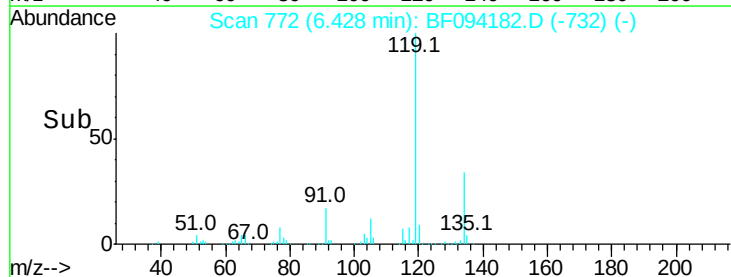
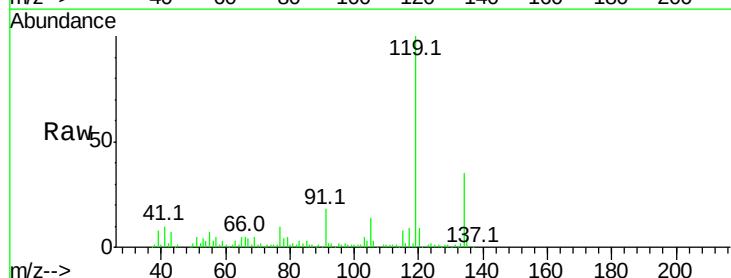
Tgt Ion: 117 Resp: 17286

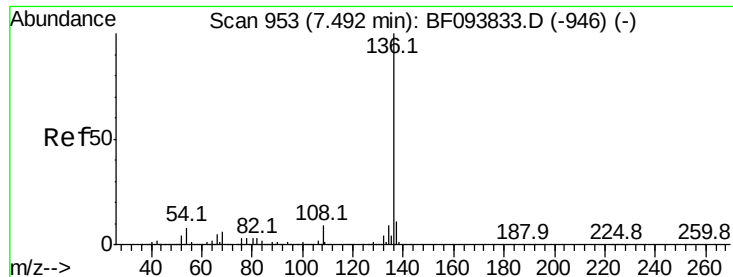
Ion Ratio Lower Upper

117 100

119 1139.5 77.4 116.0#

201 0.0 94.6 141.8#

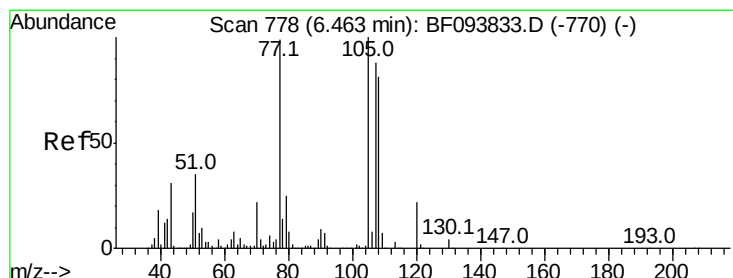
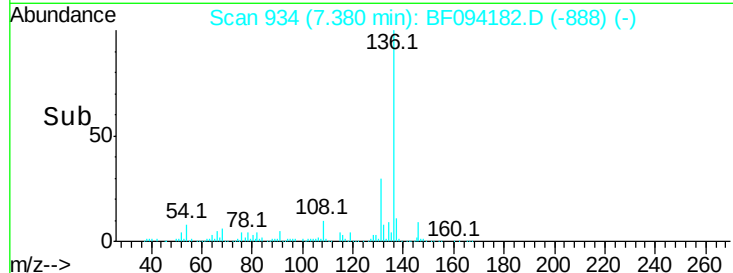
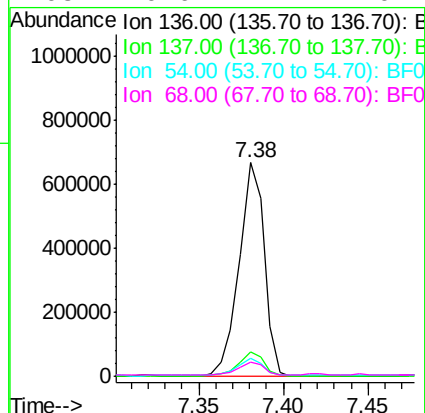
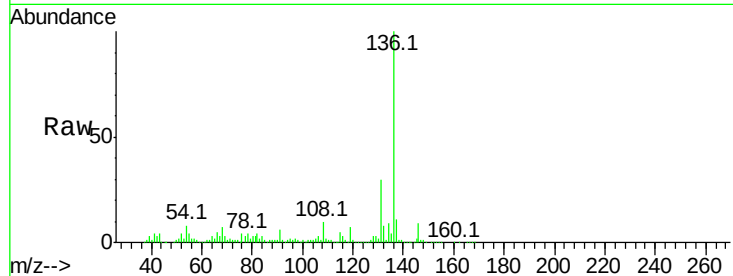




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.38 min Scan# 934
Delta R.T. -0.03 min
Lab File: BF094182.D
Acq: 4 Apr 2017 22:12

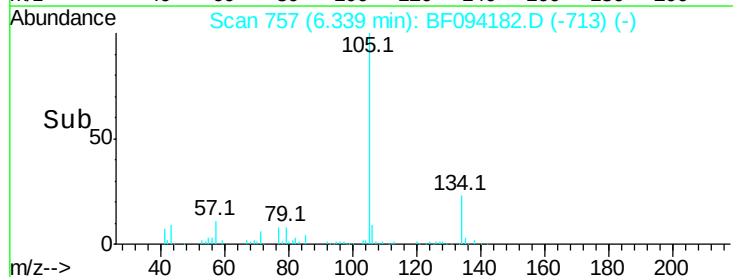
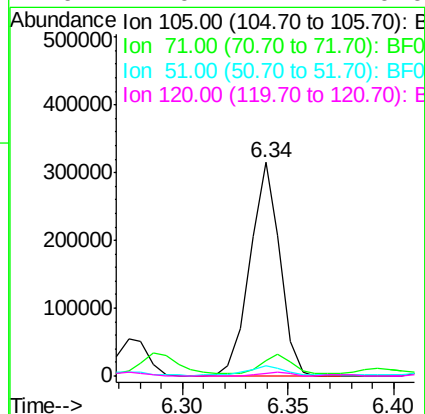
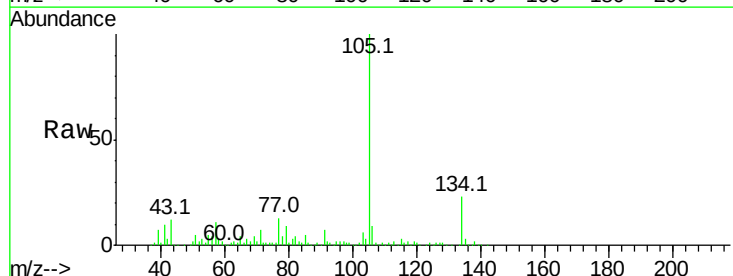
Instrument :
BNA_F
ClientSampleId :
MW-4

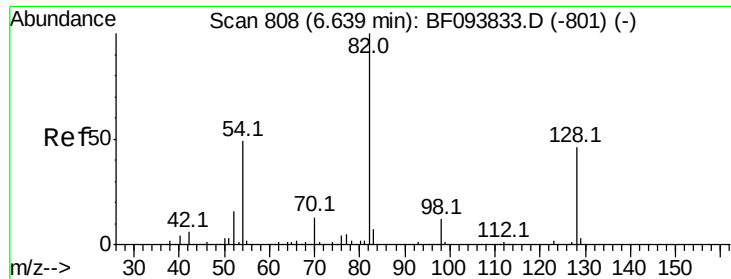
Tot Ion:136	Resp:	697201
Ion Ratio	Lower	Upper
136	100	
137	11.4	8.5 12.7
54	8.3	4.9 7.3#
68	6.6	4.1 6.1#



#22
Acetophenone
Concen: 19.87 ng
RT: 6.34 min Scan# 757
Delta R.T. -0.04 min
Lab File: BF094182.D
Acq: 4 Apr 2017 22:12

Tgt Ion:105	Resp:	308775
Ion Ratio	Lower	Upper
105	100	
71	7.1	2.8 4.2#
51	4.7	30.7 46.1#
120	1.0	17.4 26.0#

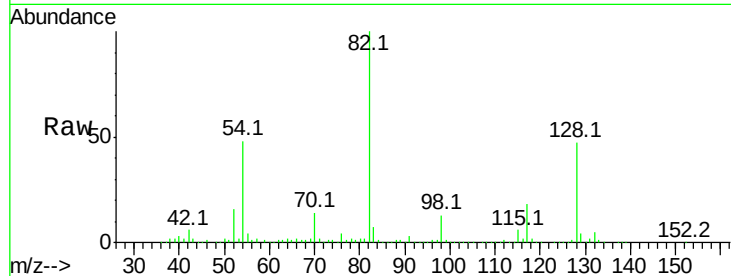




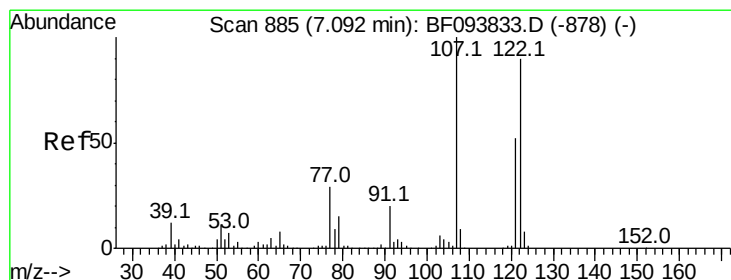
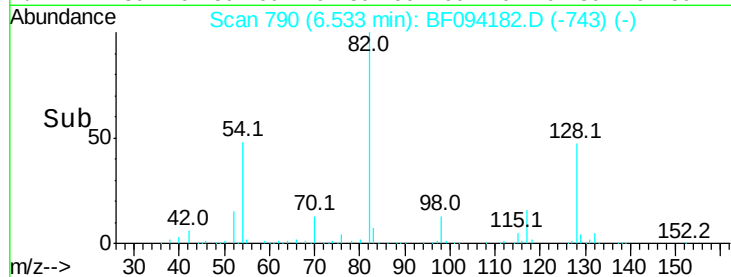
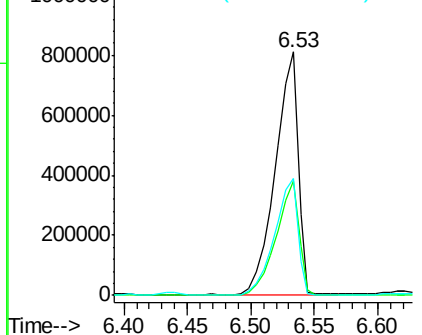
#23
 Nitrobenzene-d5
 Concen: 82.56 ng
 RT: 6.53 min Scan# 790
 Delta R.T. -0.02 min
 Lab File: BF094182.D
 Acq: 4 Apr 2017 22:12

Instrument :
 BNA_F
 ClientSampleId :
 MW-4

Tot Ion: 82 Resp: 1008670
 Ion Ratio Lower Upper
 82 100
 128 47.1 34.0 51.0
 54 48.0 42.2 63.2

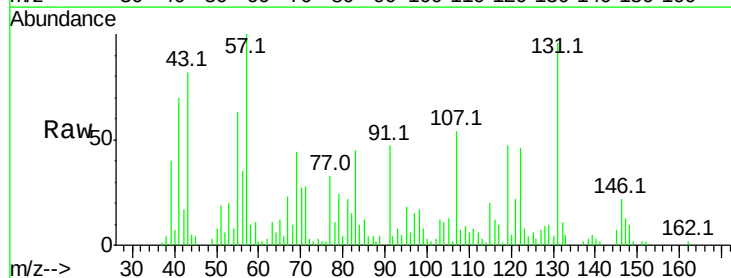


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

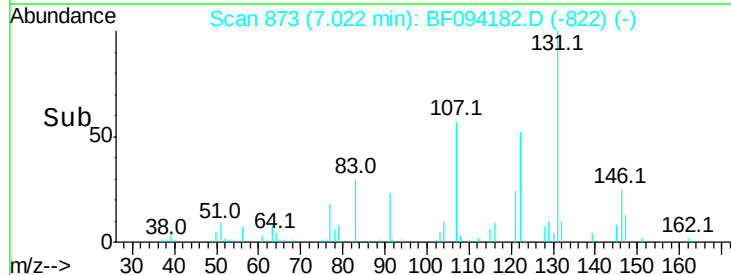
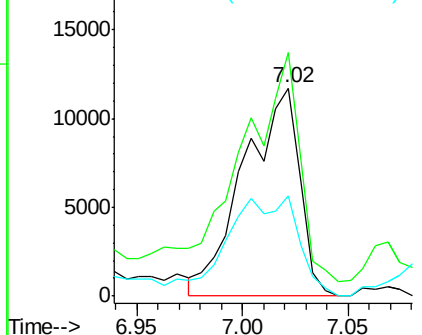


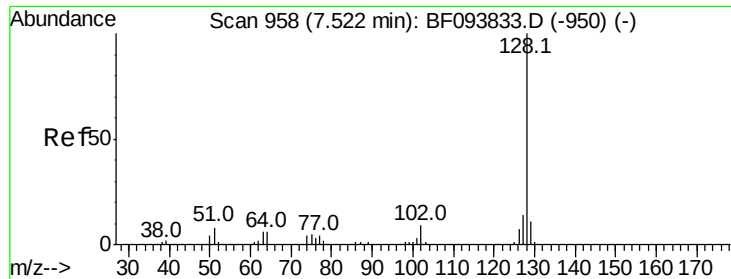
#27
 2,4-Dimethylphenol
 Concen: 2.16 ng
 RT: 7.02 min Scan# 873
 Delta R.T. -0.00 min
 Lab File: BF094182.D
 Acq: 4 Apr 2017 22:12

Tgt Ion:122 Resp: 21410
 Ion Ratio Lower Upper
 122 100
 107 117.1 89.2 133.8
 121 48.2 45.2 67.8



Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

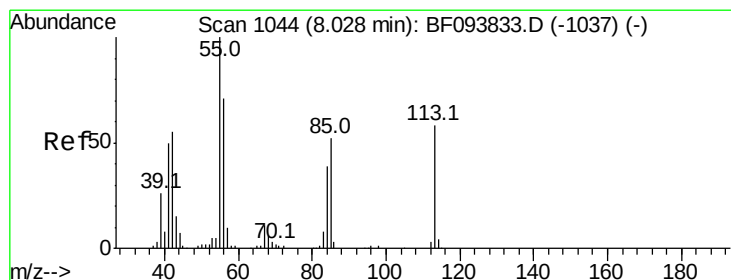
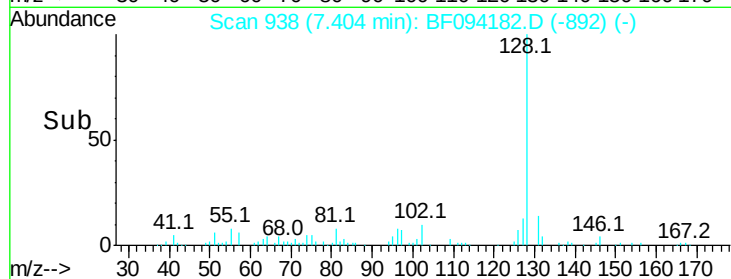
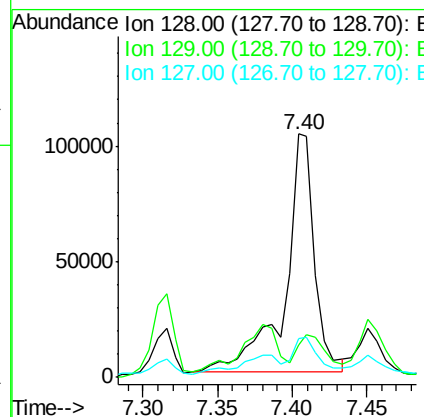
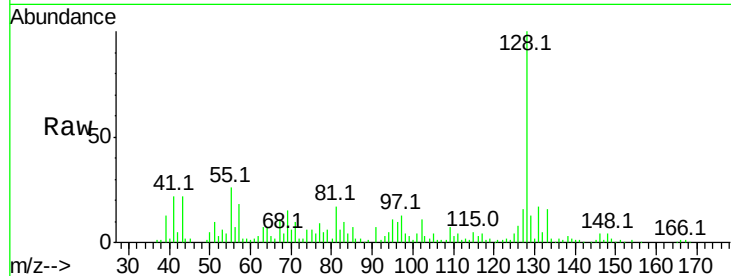




#31
Naphthalene
Concen: 4.34 ng
RT: 7.40 min Scan# 938
Delta R.T. -0.03 min
Lab File: BF094182.D
Acq: 4 Apr 2017 22:12

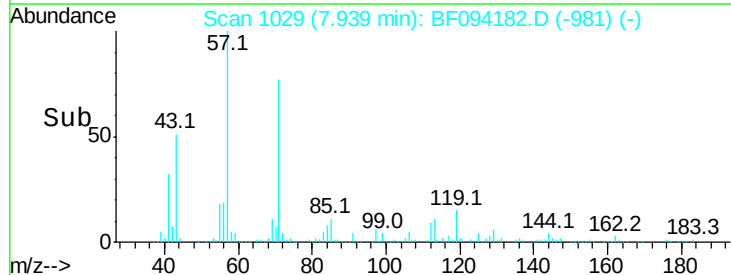
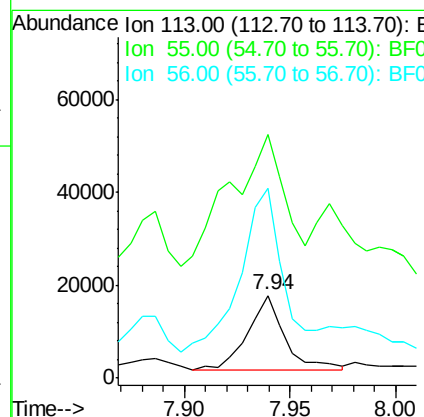
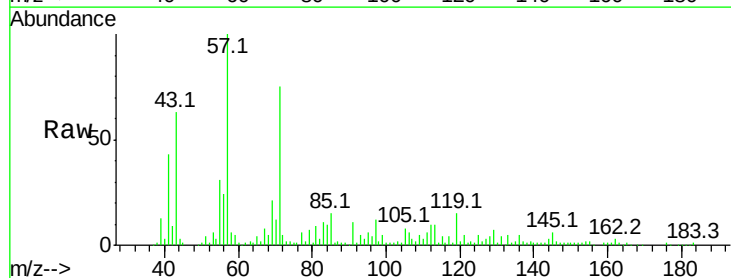
Instrument :
BNA_F
ClientSampleId :
MW-4

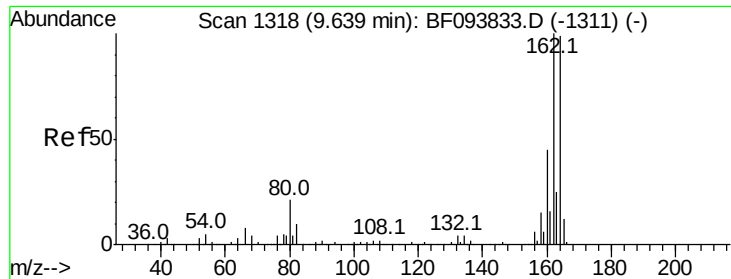
Tot Ion:128 Resp: 145388
Ion Ratio Lower Upper
128 100
129 13.3 9.0 13.6
127 15.9 10.8 16.2



#35
Caprolactam
Concen: 6.65 ng
RT: 7.94 min Scan# 1029
Delta R.T. -0.02 min
Lab File: BF094182.D
Acq: 4 Apr 2017 22:12

Tgt Ion:113 Resp: 19632
Ion Ratio Lower Upper
113 100
55 293.7 150.2 190.2#
56 228.8 107.8 147.8#

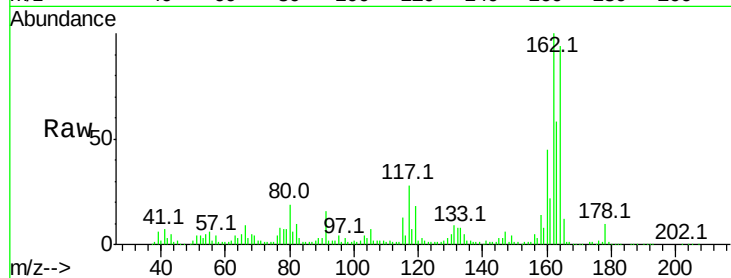




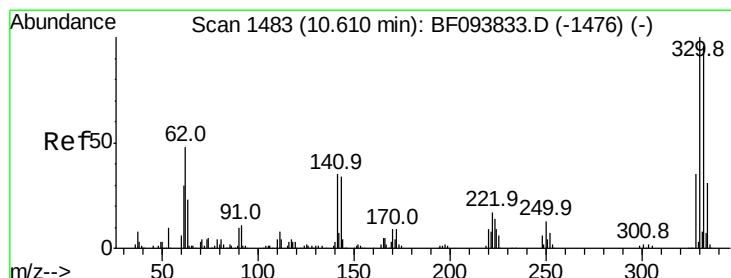
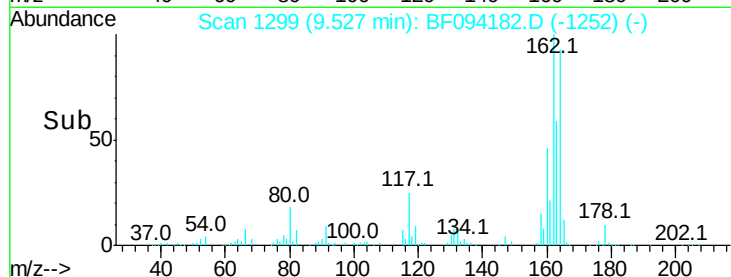
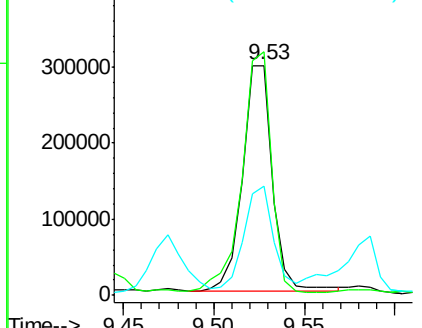
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. -0.02 min
 Lab File: BF094182.D
 Acq: 4 Apr 2017 22:12

Instrument :
 BNA_F
 ClientSampleId :
 MW-4

Tot Ion:164 Resp: 340990
 Ion Ratio Lower Upper
 164 100
 162 105.9 82.6 123.8
 160 47.6 36.2 54.2

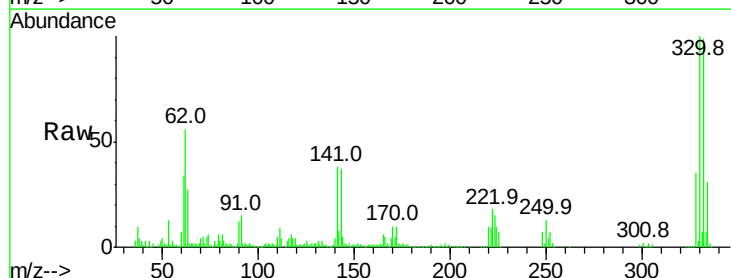


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

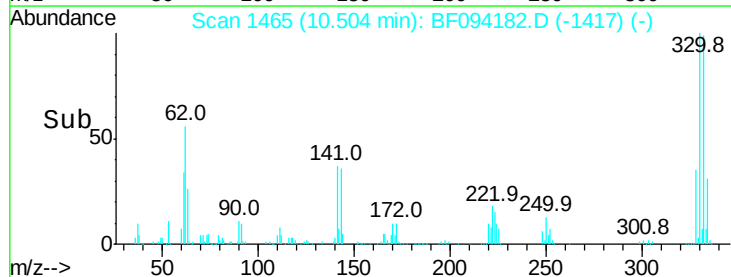
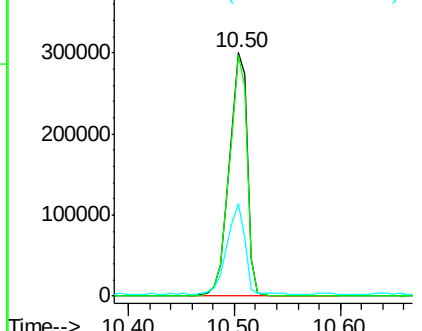


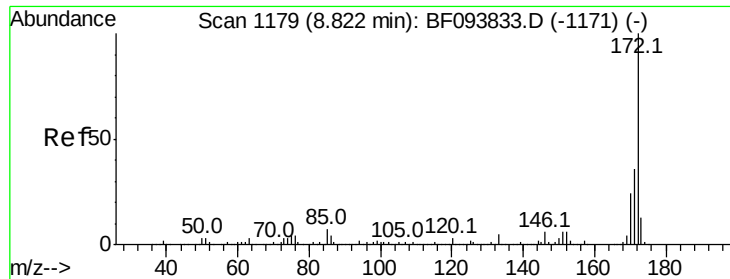
#41
 2,4,6-Tribromophenol
 Concen: 130.92 ng
 RT: 10.50 min Scan# 1465
 Delta R.T. -0.02 min
 Lab File: BF094182.D
 Acq: 4 Apr 2017 22:12

Tgt Ion:330 Resp: 352773
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.6 115.0
 141 37.7 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

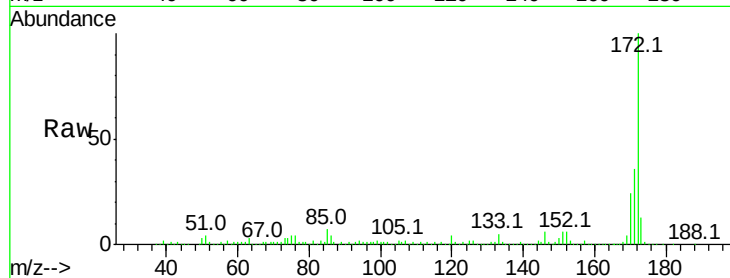




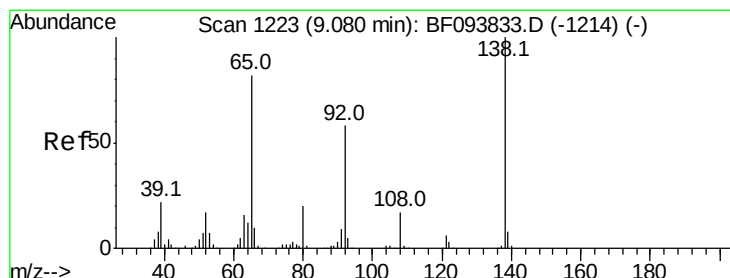
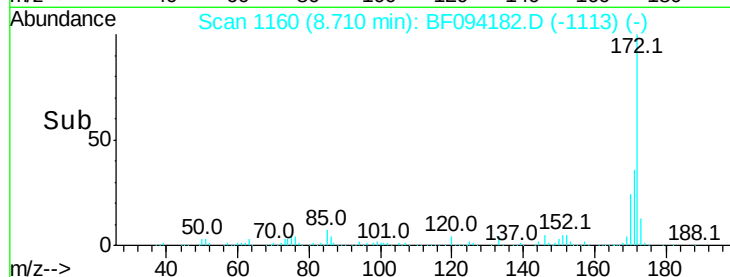
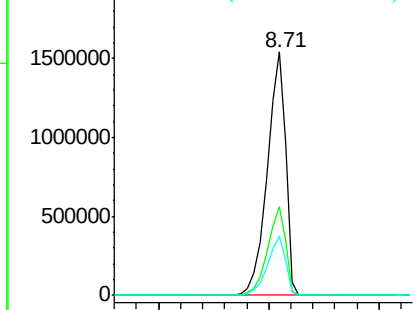
#44
2-Fluorobiphenyl
Concen: 80.31 ng
RT: 8.71 min Scan# 1160
Delta R.T. -0.02 min
Lab File: BF094182.D
Acq: 4 Apr 2017 22:12

Instrument :
BNA_F
ClientSampleId :
MW-4

Tot Ion:172 Resp: 1795491
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 24.3 19.8 29.8

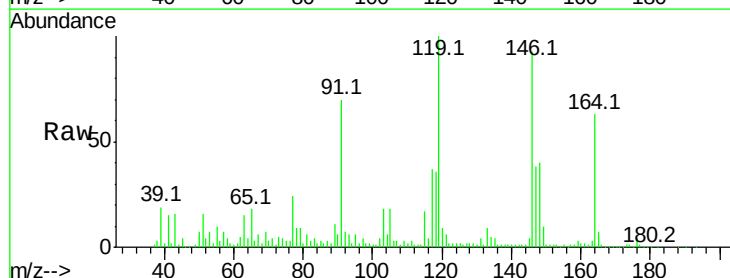


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

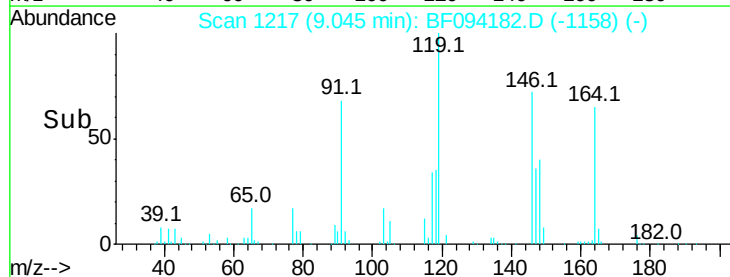
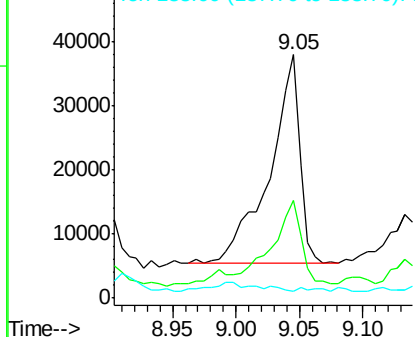


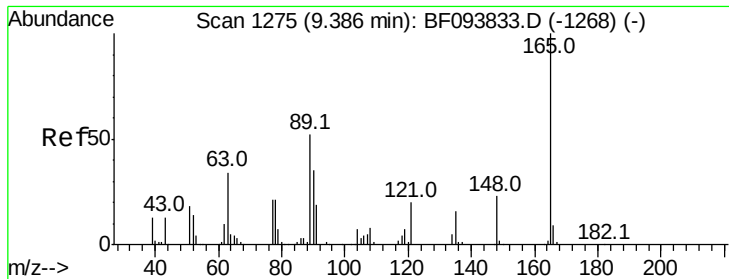
#47
2-Nitroaniline
Concen: 8.54 ng
RT: 9.05 min Scan# 1217
Delta R.T. 0.05 min
Lab File: BF094182.D
Acq: 4 Apr 2017 22:12

Tgt Ion: 65 Resp: 54523
Ion Ratio Lower Upper
65 100
92 40.0 53.9 80.9#
138 2.8 78.8 118.2#



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E

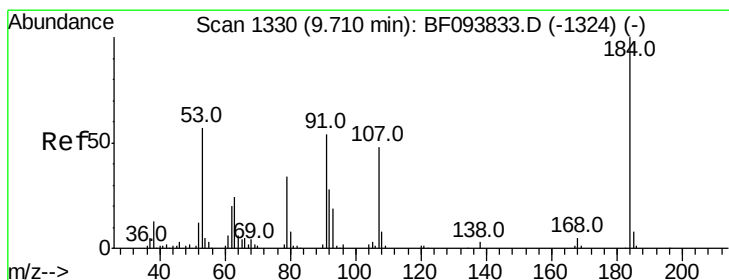
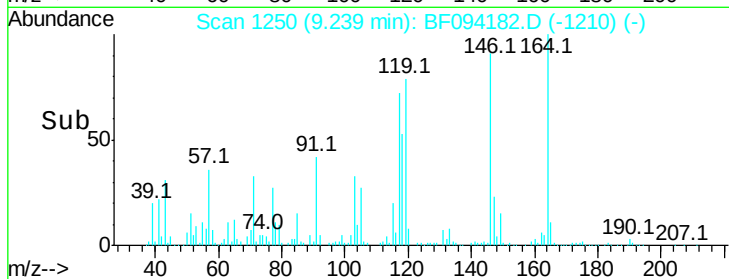
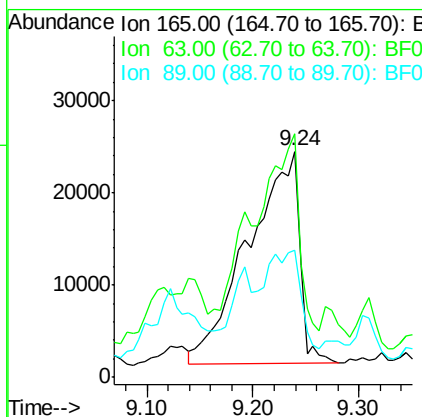
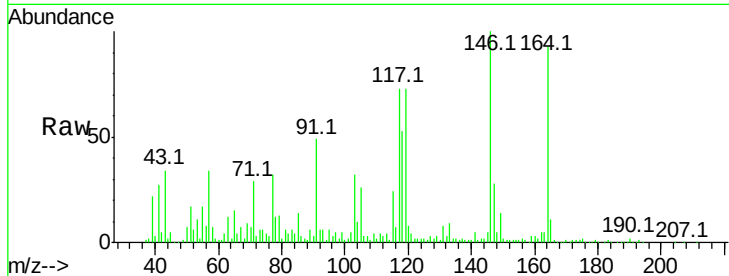




#50
 2,6-Dinitrotoluene
 Concen: 13.83 ng
 RT: 9.24 min Scan# 1250
 Delta R.T. -0.06 min
 Lab File: BF094182.D
 Acq: 4 Apr 2017 22:12

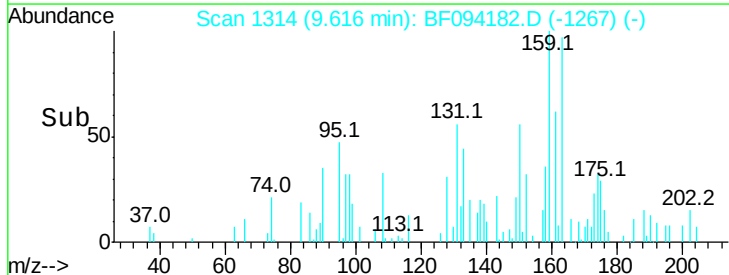
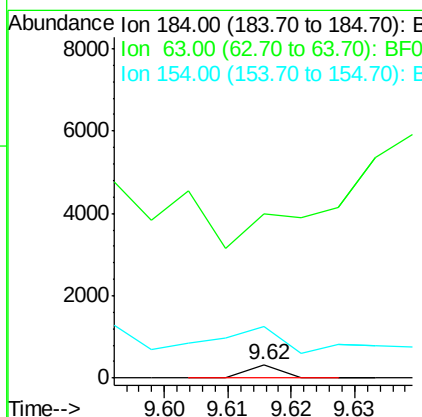
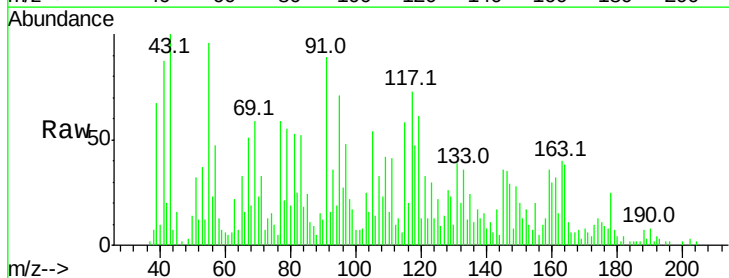
Instrument :
 BNA_F
 ClientSampleId :
 MW-4

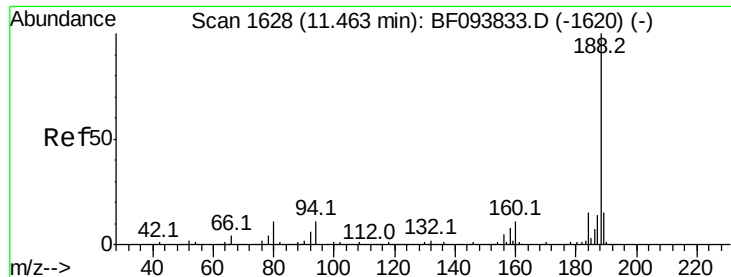
Tot Ion:165 Resp: 76853
 Ion Ratio Lower Upper
 165 100
 63 107.8 34.3 51.5#
 89 56.4 37.1 55.7#



#53
 2,4-Dinitrophenol
 Concen: 4.70 ng
 RT: 9.62 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: BF094182.D
 Acq: 4 Apr 2017 22:12

Tgt Ion:184 Resp: 118
 Ion Ratio Lower Upper
 184 100
 63 1192.2 62.7 94.1#
 154 377.2 81.1 121.7#

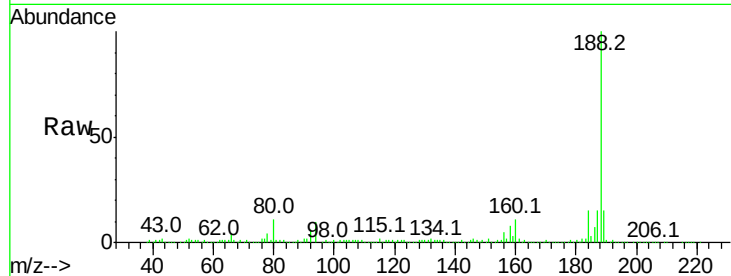




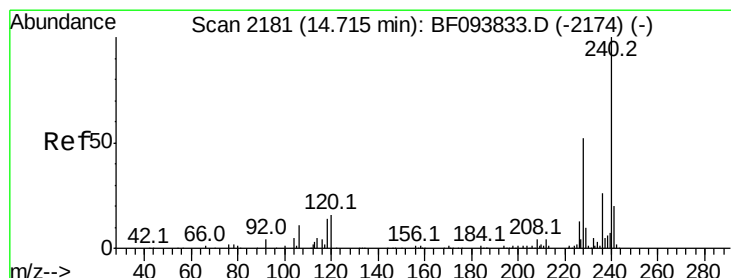
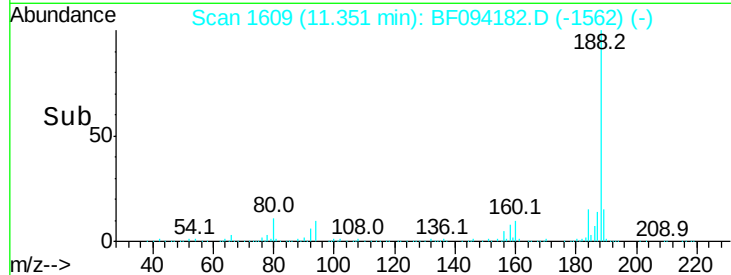
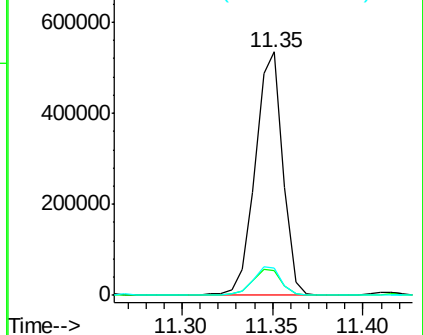
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 1609
Delta R.T. -0.02 min
Lab File: BF094182.D
Acq: 4 Apr 2017 22:12

Instrument :
BNA_F
ClientSampleId :
MW-4

Tot Ion:188 Resp: 560899
Ion Ratio Lower Upper
188 100
94 10.0 9.4 14.2
80 11.2 10.2 15.2

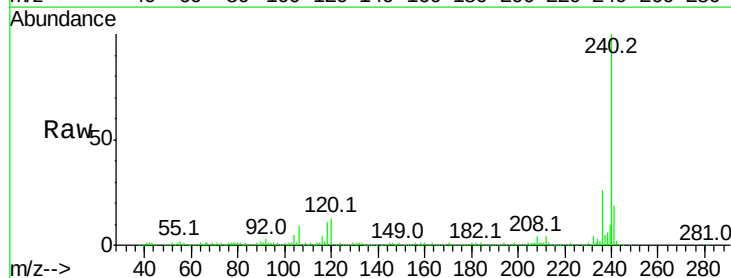


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

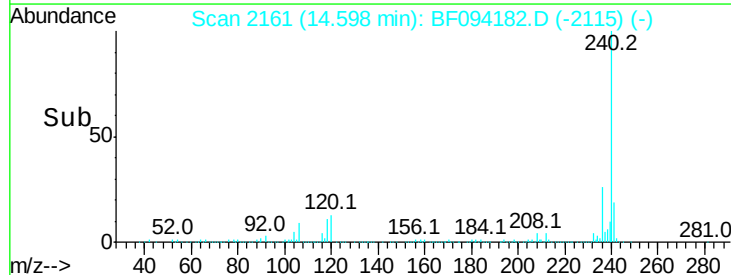
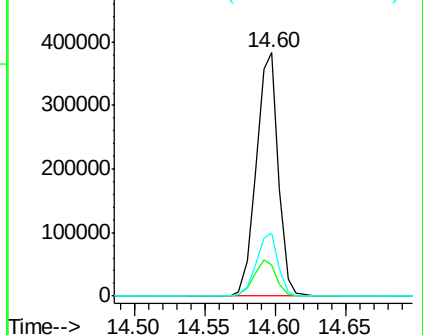


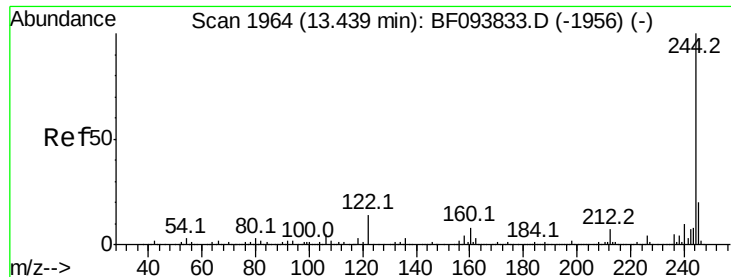
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.60 min Scan# 2161
Delta R.T. -0.03 min
Lab File: BF094182.D
Acq: 4 Apr 2017 22:12

Tgt Ion:240 Resp: 422527
Ion Ratio Lower Upper
240 100
120 12.9 5.8 8.8#
236 26.1 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: 74.63 ng

RT: 13.33 min Scan# 1945

Delta R.T. -0.02 min

Lab File: BF094182.D

Acq: 4 Apr 2017 22:12

Instrument :

BNA_F

ClientSampleId :

MW-4

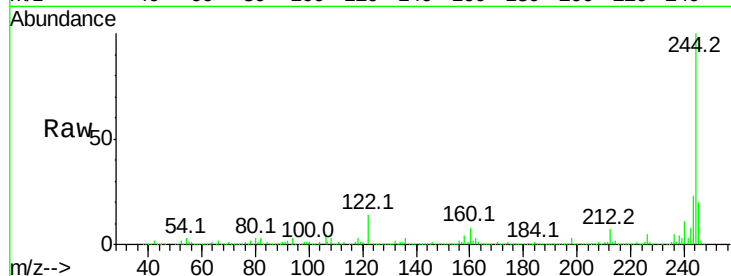
Tot Ion:244 Resp: 1406865

Ion Ratio Lower Upper

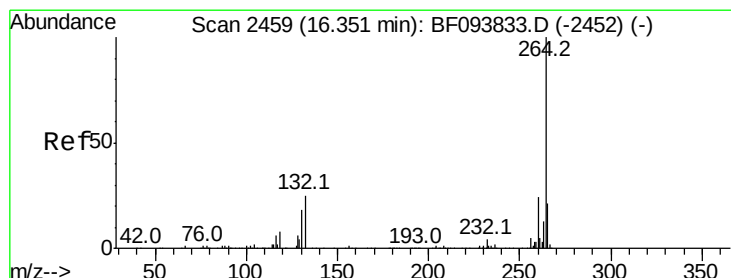
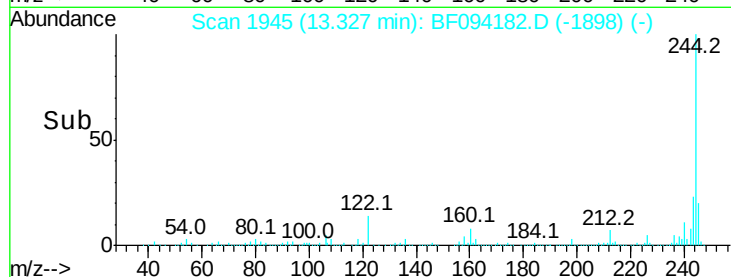
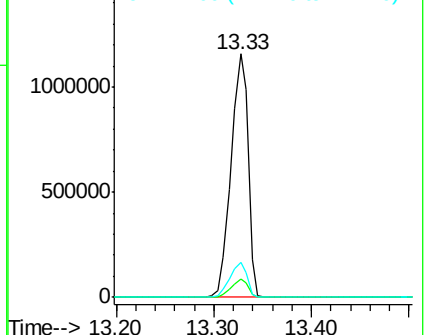
244 100

212 7.4 6.0 9.0

122 14.2 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: 16.23 min Scan# 2438

Delta R.T. -0.02 min

Lab File: BF094182.D

Acq: 4 Apr 2017 22:12

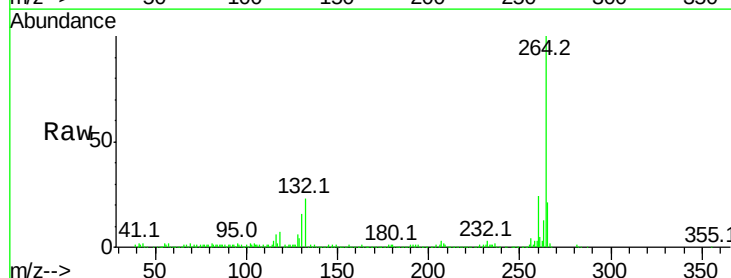
Tgt Ion:264 Resp: 289606

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

265 21.2 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

