

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091117\
 Data File : BF098436.D
 Acq On : 12 Sep 2017 7:00
 Operator : SJ/JU
 Sample : I5138-22
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 12 07:48:28 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

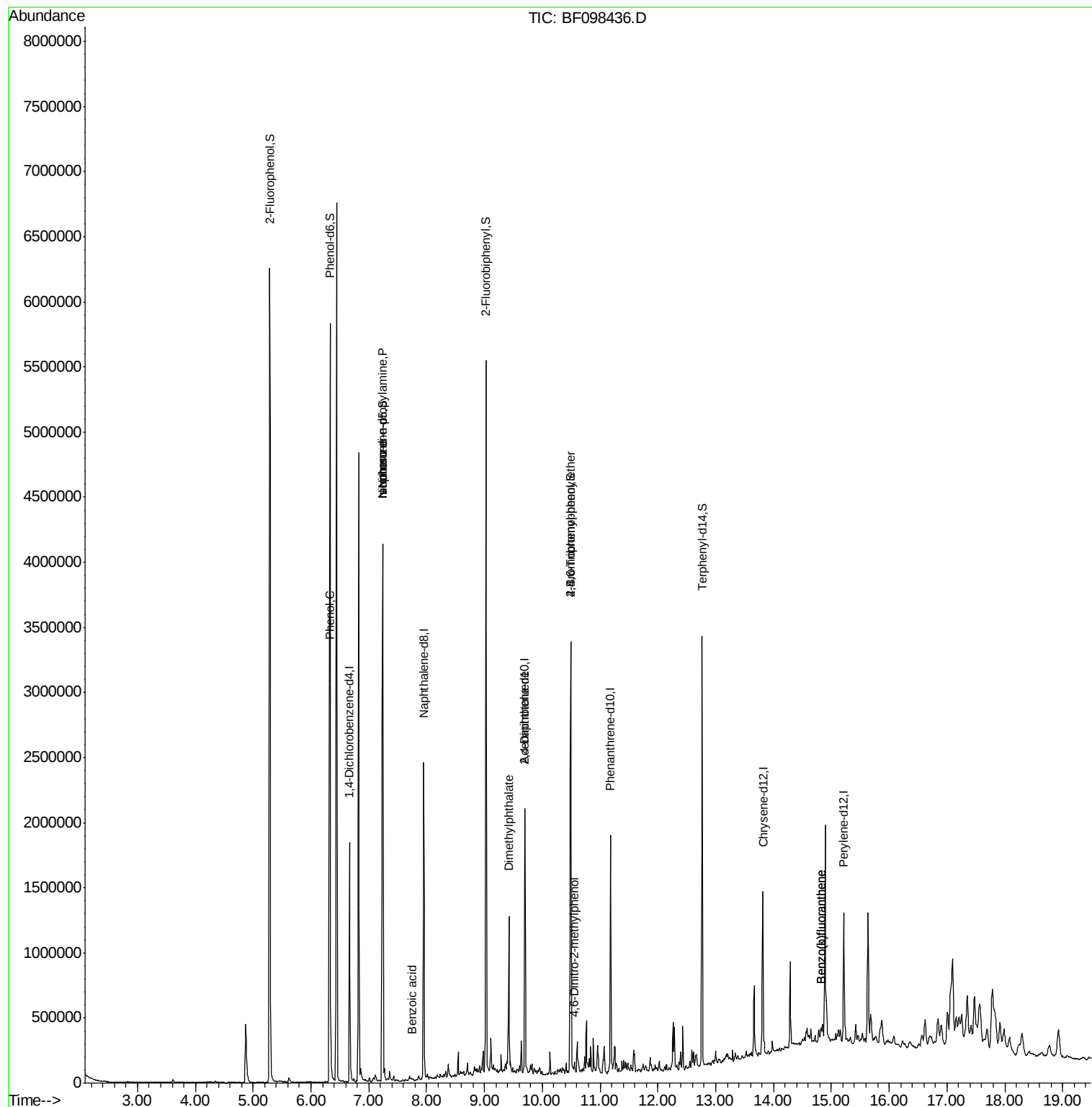
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	236028	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	942240	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	385745	20.00	ng	0.00
63) Phenanthrene-d10	11.18	188	601023	20.00	ng	0.00
75) Chrysene-d12	13.82	240	400668	20.00	ng	0.00
86) Perylene-d12	15.22	264	388917	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1982313	124.18	ng	0.01
7) Phenol-d6	6.33	99	2427054	119.74	ng	0.00
23) Nitrobenzene-d5	7.24	82	1492270	88.29	ng	0.00
41) 2,4,6-Tribromophenol	10.49	330	342681	133.10	ng	0.00
44) 2-Fluorobiphenyl	9.03	172	1604958	70.52	ng	0.00
78) Terphenyl-d14	12.76	244	1032307	55.61	ng	0.00
Target Compounds						
10) Phenol	6.34	94	94340	4.01	ng	Qvalue 95
19) n-Nitroso-di-n-propylamine	7.24	70	201761	15.83	ng	# 81
25) Isophorone	7.24	82	1468298	42.94	ng	# 67
32) Benzoic acid	7.76	122	1423	8.09	ng	# 74
49) Dimethylphthalate	9.43	163	420407	14.08	ng	99
56) 2,4-Dinitrotoluene	9.70	165	50960	6.83	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.56	198	1789	5.40	ng	93
66) 4-Bromophenyl-phenylether	10.49	248	25097	4.40	ng	# 1
87) Benzo(b)fluoranthene	14.82	252	54240	2.22	ng	# 90
88) Benzo(k)fluoranthene	14.82	252	54240	2.38	ng	# 94

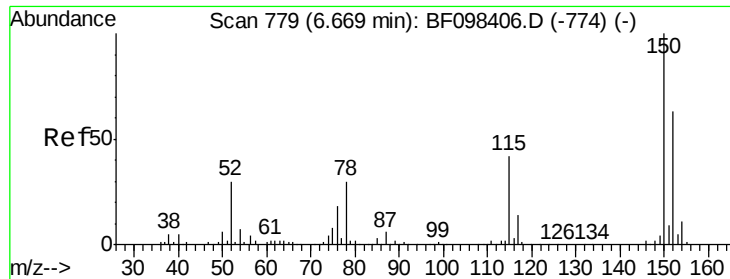
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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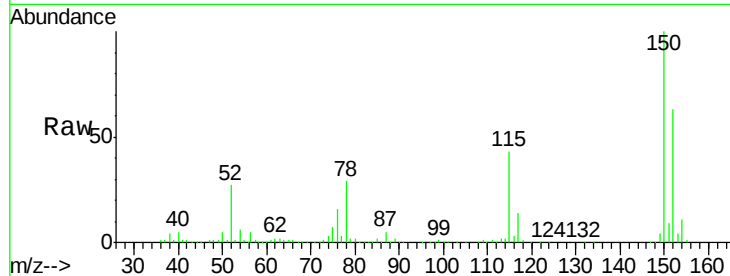


#1

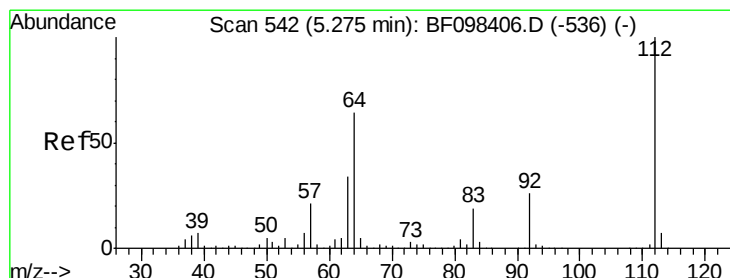
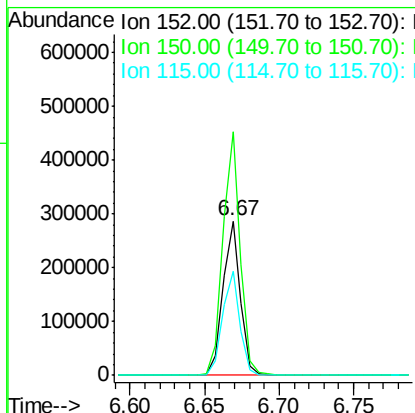
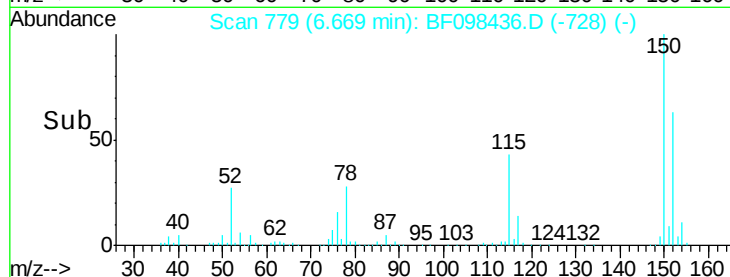
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF098436.D
Acq: 12 Sep 2017 7:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 236028
Ion Ratio Lower Upper
152 100
150 158.0 126.2 189.2
115 67.2 52.2 78.2



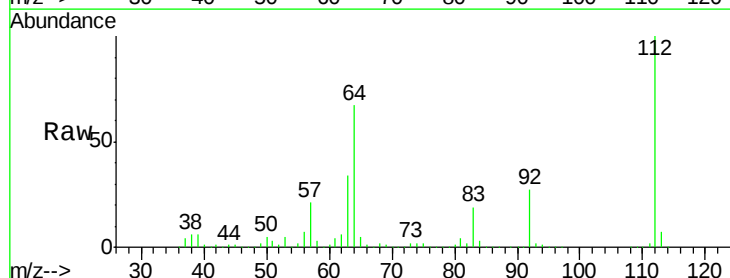
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



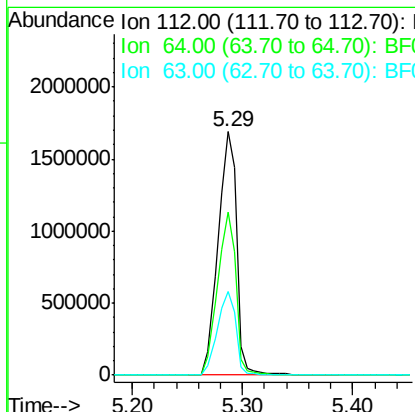
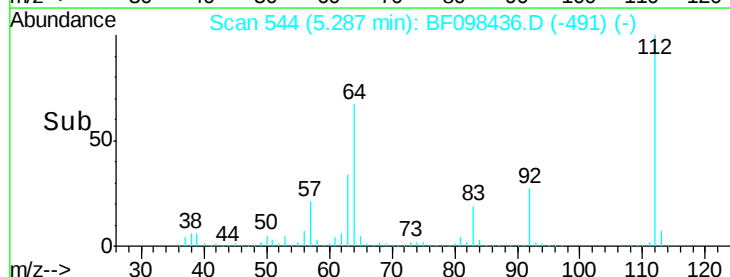
#5

2-Fluorophenol
Concen: 124.18 ng
RT: 5.29 min Scan# 544
Delta R.T. 0.01 min
Lab File: BF098436.D
Acq: 12 Sep 2017 7:00

Tgt Ion:112 Resp: 1982313
Ion Ratio Lower Upper
112 100
64 66.8 46.0 69.0
63 34.5 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: 119.74 ng

RT: 6.33 min Scan# 721

Delta R.T. 0.01 min

Lab File: BF098436.D

Acq: 12 Sep 2017 7:00

Instrument :

BNA_F

ClientSampled :

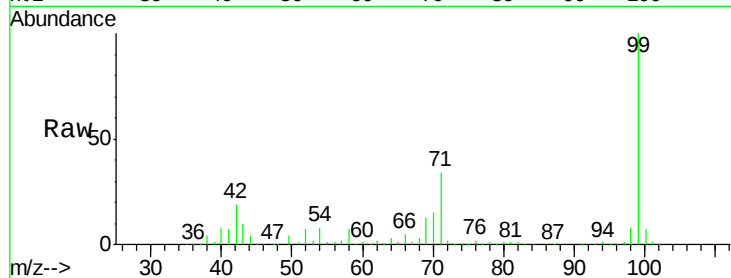
Tot Ion: 99 Resp: 2427054

Ion Ratio Lower Upper

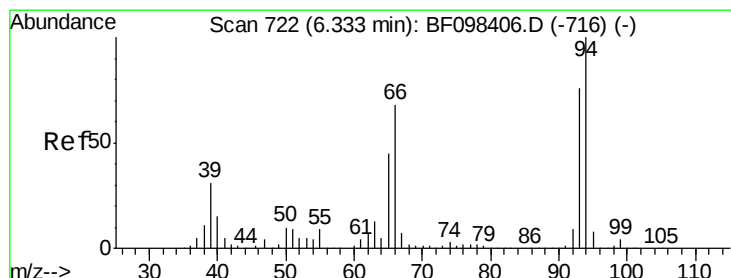
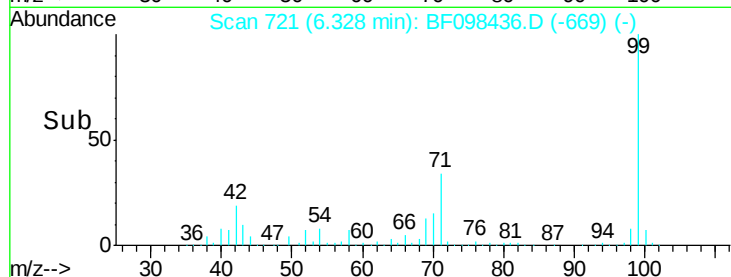
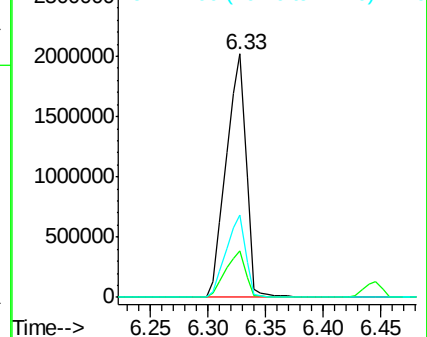
99 100

42 18.9 13.5 20.3

71 33.8 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



#10

Phenol

Concen: 4.01 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.01 min

Lab File: BF098436.D

Acq: 12 Sep 2017 7:00

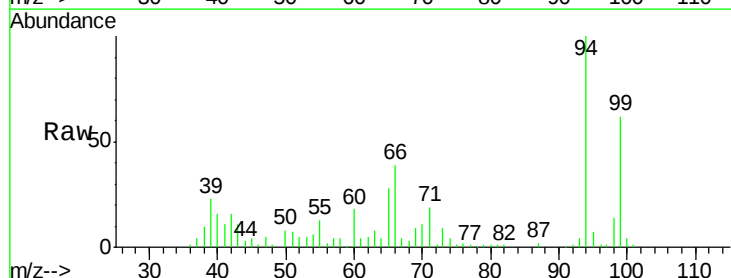
Tgt Ion: 94 Resp: 94340

Ion Ratio Lower Upper

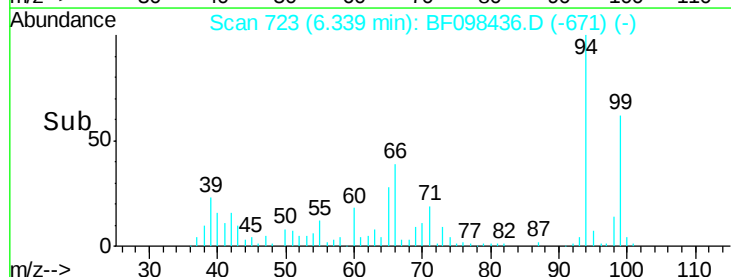
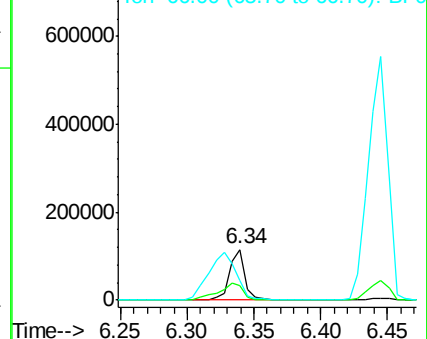
94 100

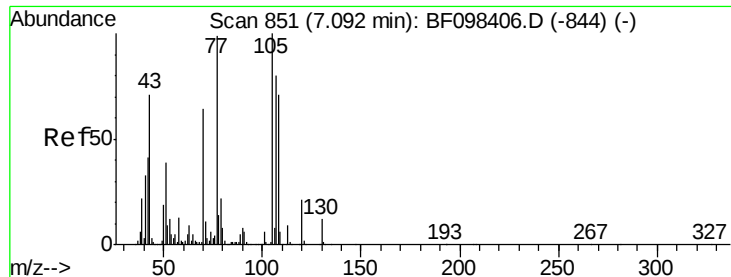
65 28.3 9.9 49.9

66 38.8 23.1 63.1



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





#19

n-Nitroso-di-n-propylamine

Concen: 15.83 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.15 min

Lab File: BF098436.D

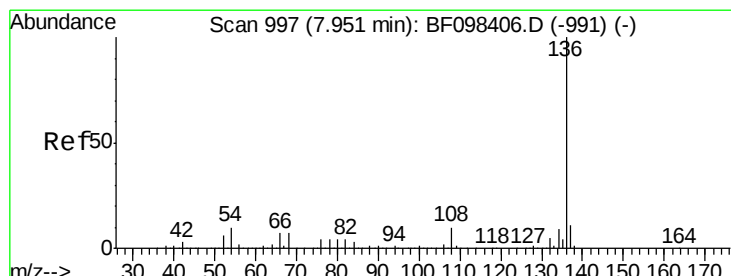
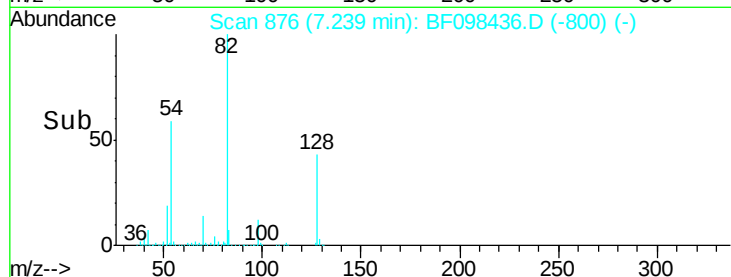
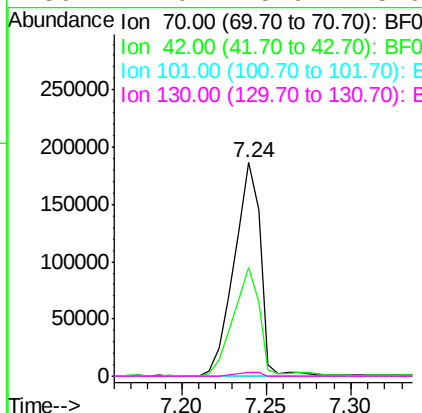
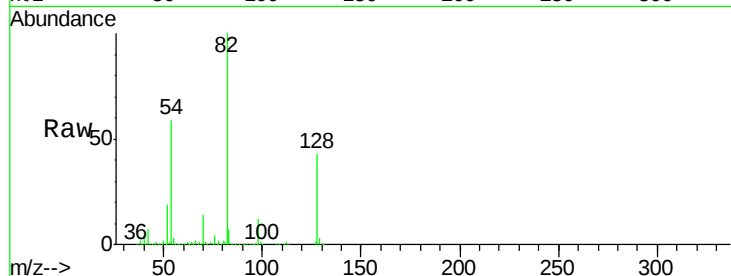
Acq: 12 Sep 2017 7:00

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	201761
Ion	Ratio	Lower	Upper
70	100		
42	51.1	47.2	70.8
101	0.0	7.2	10.8#
130	2.0	15.9	23.9#



#21

Naphthalene-d8

Concen: 20.00 ng

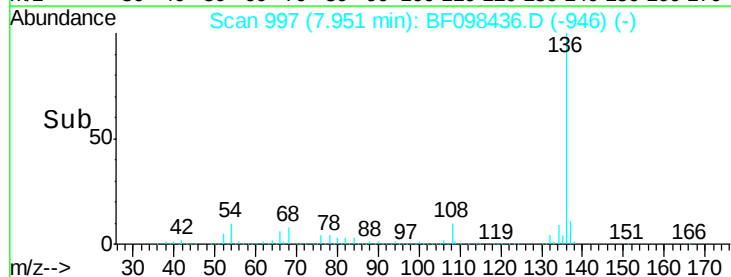
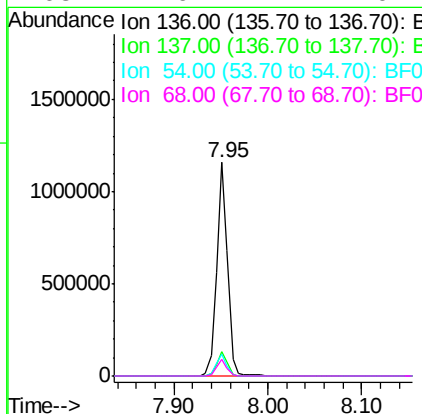
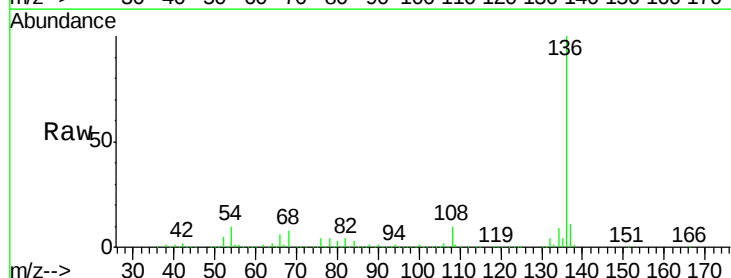
RT: 7.95 min Scan# 997

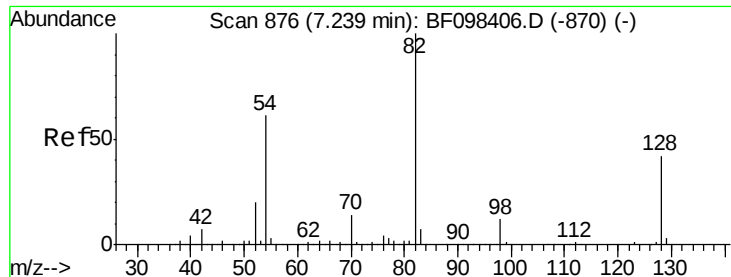
Delta R.T. 0.00 min

Lab File: BF098436.D

Acq: 12 Sep 2017 7:00

Tgt Ion:	136	Resp:	942240
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.5	12.7
54	10.3	4.9	7.3#
68	7.6	4.1	6.1#

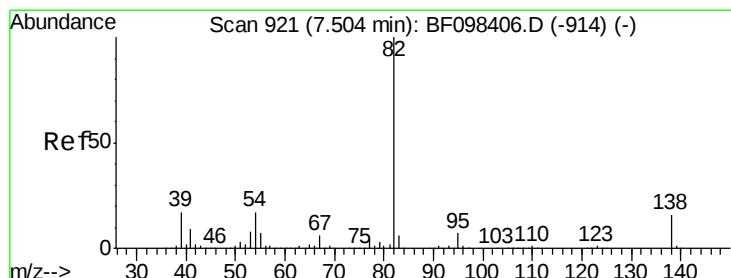
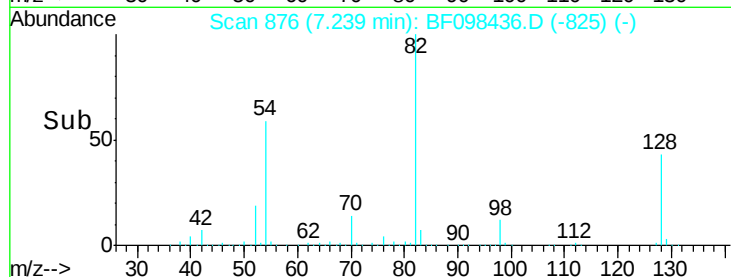
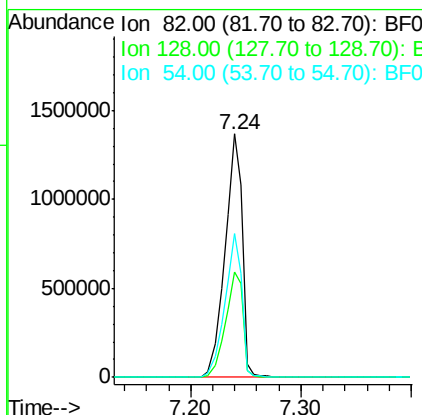
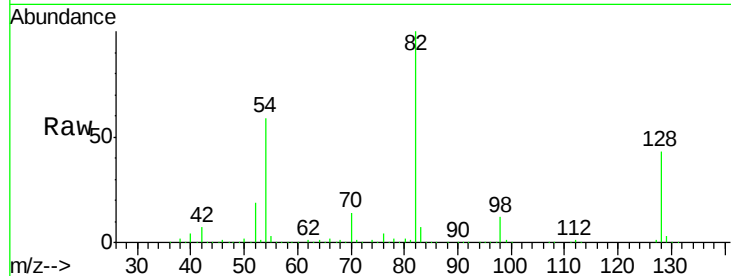




#23
 Nitrobenzene-d5
 Concen: 88.29 ng
 RT: 7.24 min Scan# 876
 Delta R.T. 0.00 min
 Lab File: BF098436.D
 Acq: 12 Sep 2017 7:00

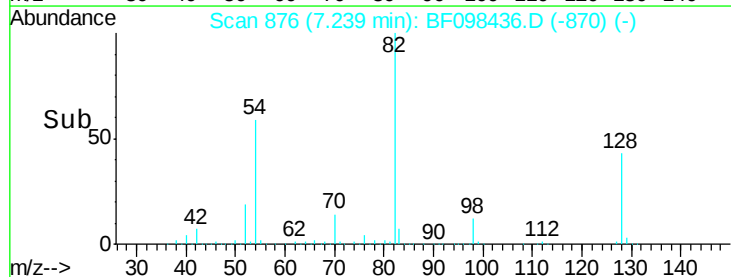
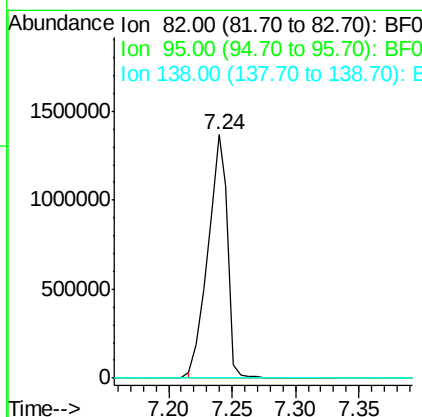
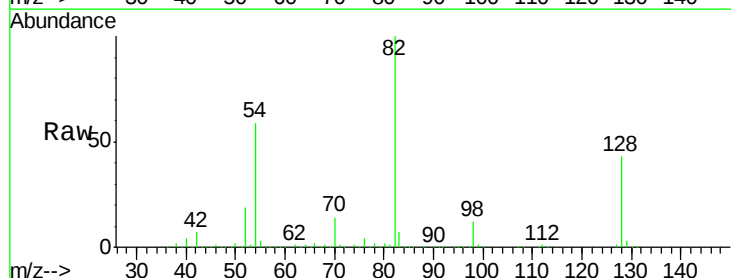
Instrument :
 BNA_F
 ClientSampleId :

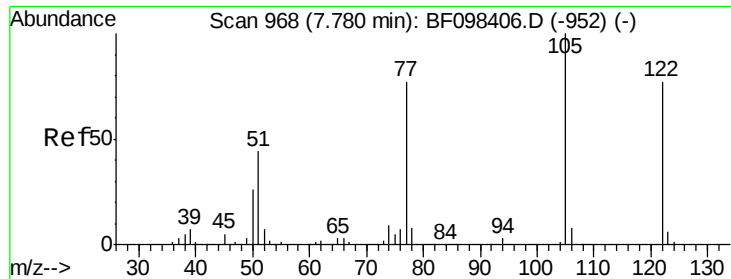
Tot Ion: 82 Resp: 1492270
 Ion Ratio Lower Upper
 82 100
 128 43.4 34.0 51.0
 54 59.2 42.2 63.2



#25
 Isophorone
 Concen: 42.94 ng
 RT: 7.24 min Scan# 876
 Delta R.T. -0.26 min
 Lab File: BF098436.D
 Acq: 12 Sep 2017 7:00

Tgt Ion: 82 Resp: 1468298
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#

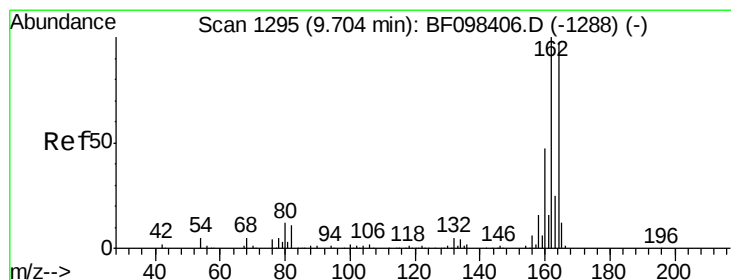
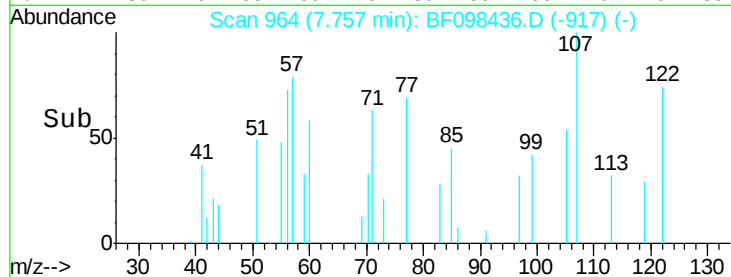
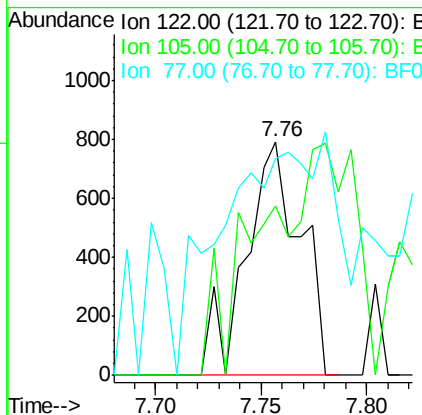
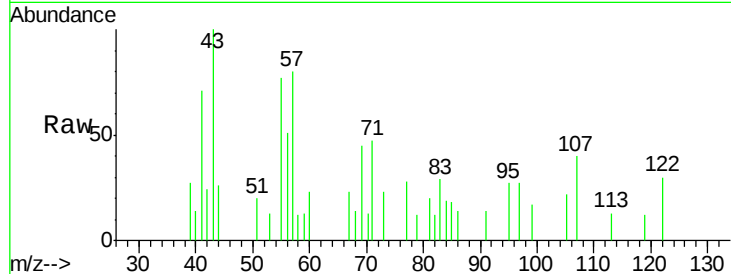




#32
Benzoic acid
Concen: 8.09 ng
RT: 7.76 min Scan# 964
Delta R.T. -0.02 min
Lab File: BF098436.D
Acq: 12 Sep 2017 7:00

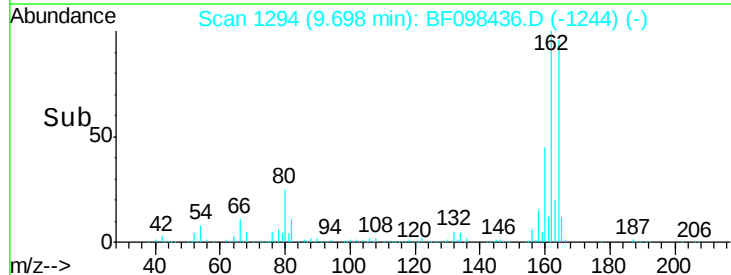
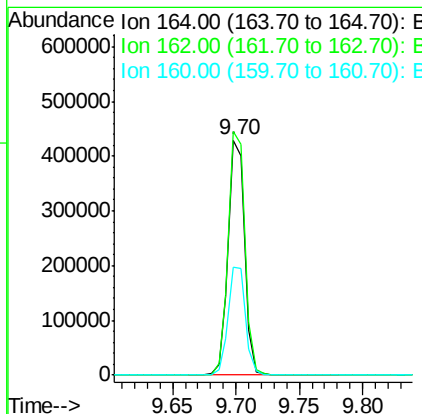
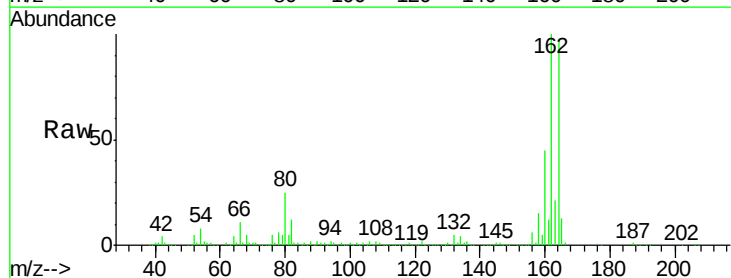
Instrument :
BNA_F
ClientSampled :

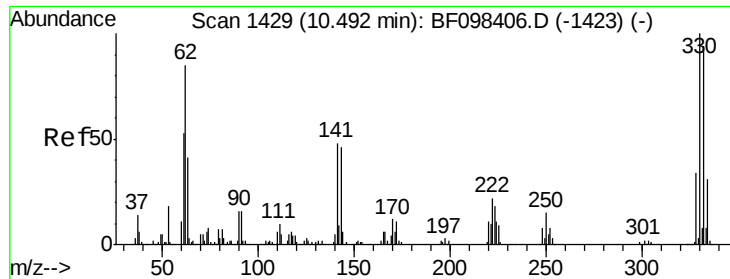
Tot Ion	Ratio	Lower	Upper
122	100		
105	72.4	103.3	143.3#
77	92.7	73.7	113.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF098436.D
Acq: 12 Sep 2017 7:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	82.6	123.8
160	46.1	36.2	54.2

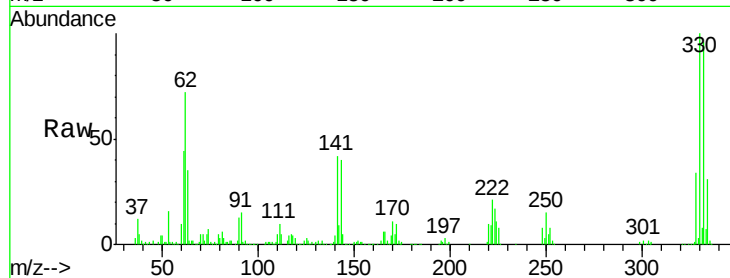




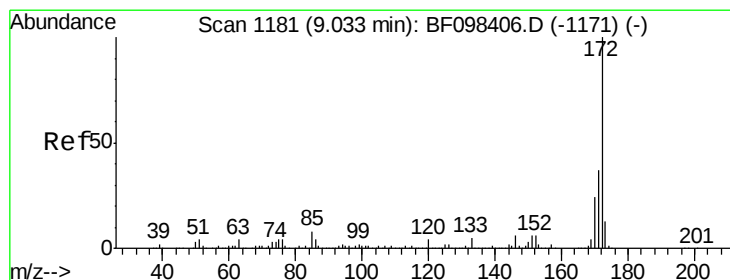
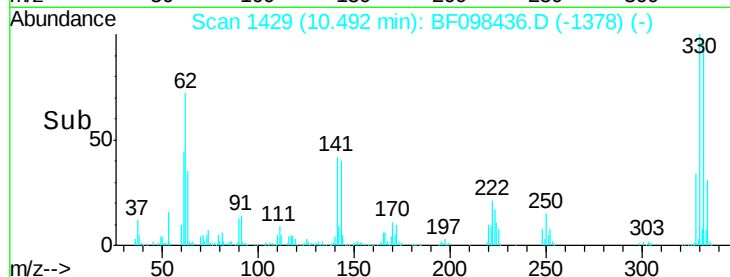
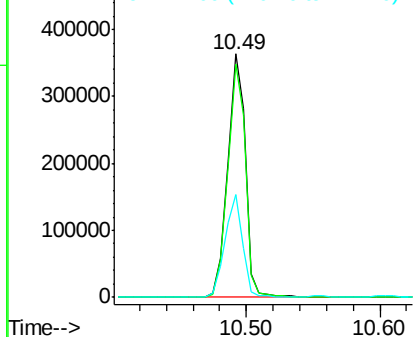
#41
 2,4,6-Tribromophenol
 Concen: 133.10 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. 0.00 min
 Lab File: BF098436.D
 Acq: 12 Sep 2017 7:00

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 342681
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.6 115.0
 141 42.3 31.4 47.2

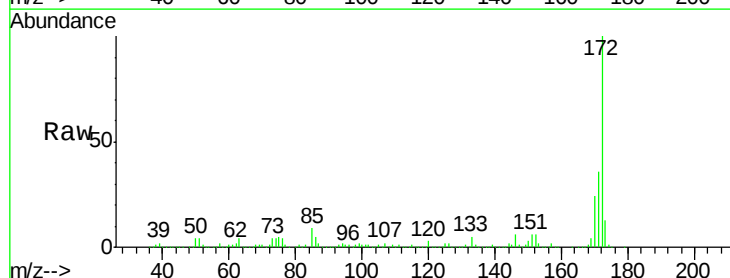


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

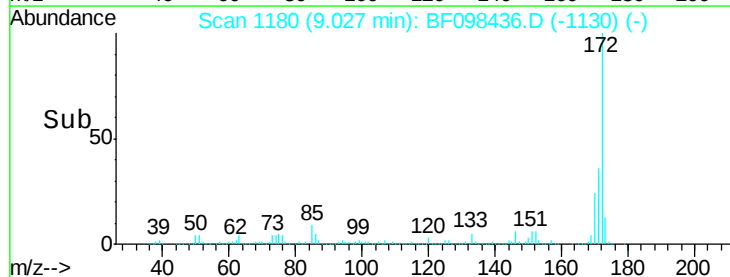
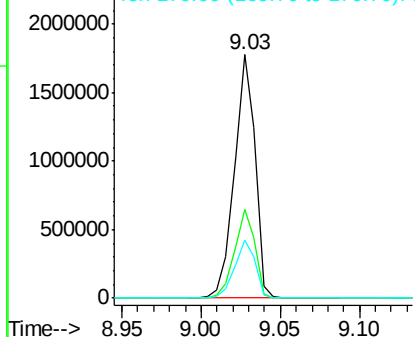


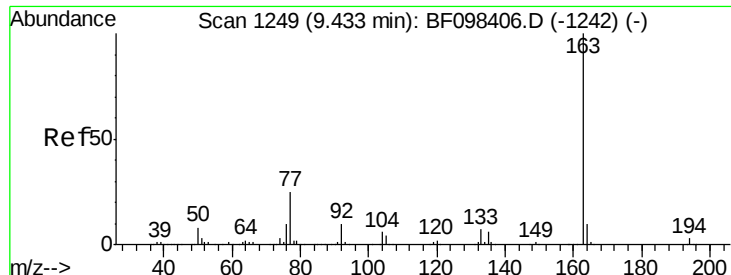
#44
 2-Fluorobiphenyl
 Concen: 70.52 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF098436.D
 Acq: 12 Sep 2017 7:00

Tgt Ion:172 Resp: 1604958
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 24.0 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

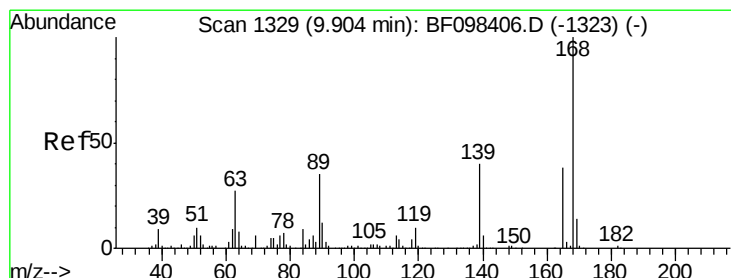
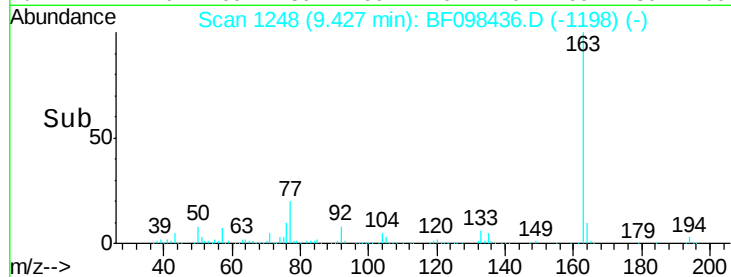
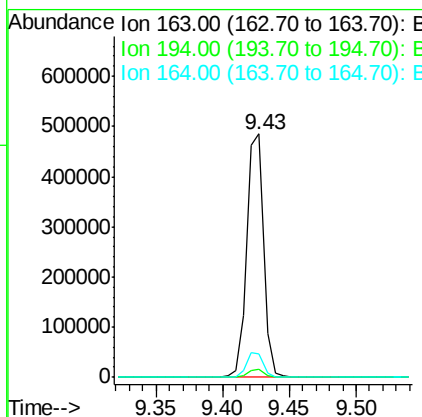
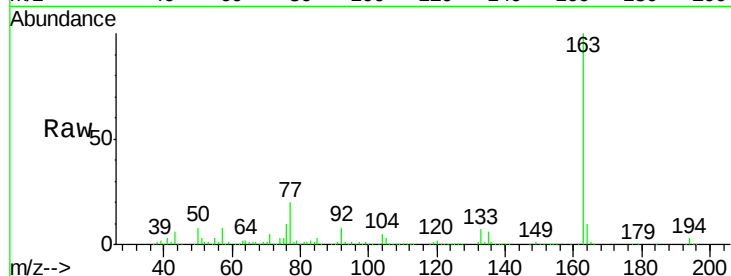




#49
Dimethylphthalate
Concen: 14.08 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.01 min
Lab File: BF098436.D
Acq: 12 Sep 2017 7:00

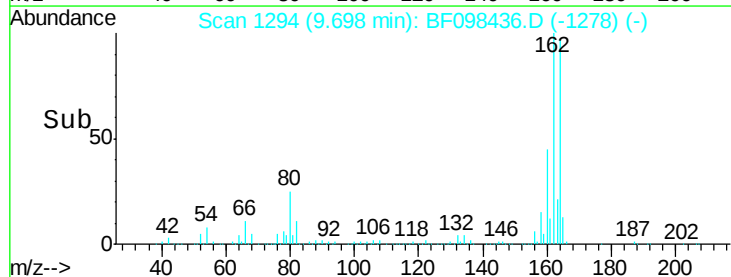
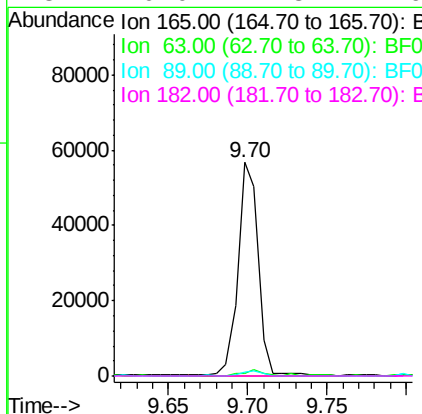
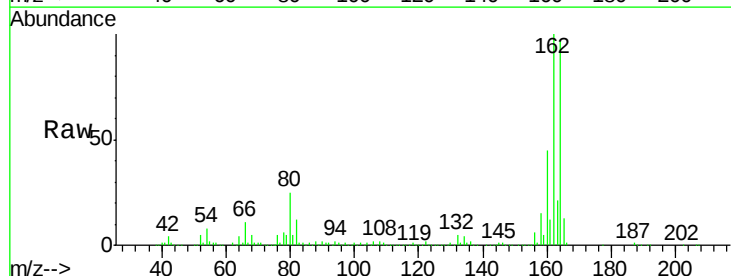
Instrument :
BNA_F
ClientSampleId :

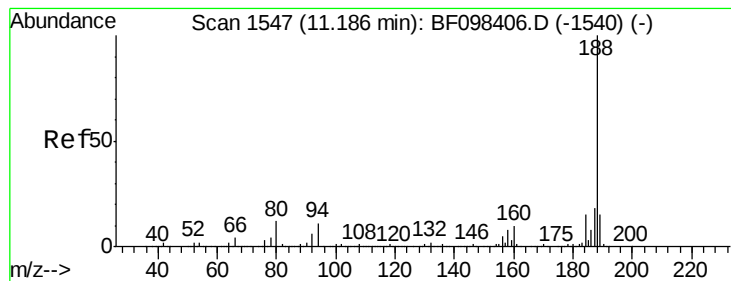
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	9.9	8.4	12.6



#56
2,4-Dinitrotoluene
Concen: 6.83 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.21 min
Lab File: BF098436.D
Acq: 12 Sep 2017 7:00

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	25.4	38.0#
89	1.8	46.4	69.6#
182	0.0	1.8	2.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.18 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BF098436.D

Acq: 12 Sep 2017 7:00

Instrument :

BNA_F

ClientSampleId :

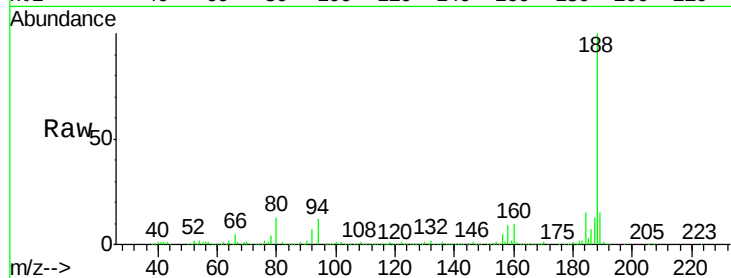
Tot Ion:188 Resp: 601023

Ion Ratio Lower Upper

188 100

94 12.2 9.4 14.2

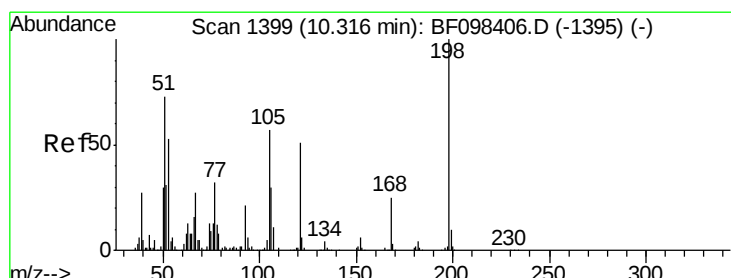
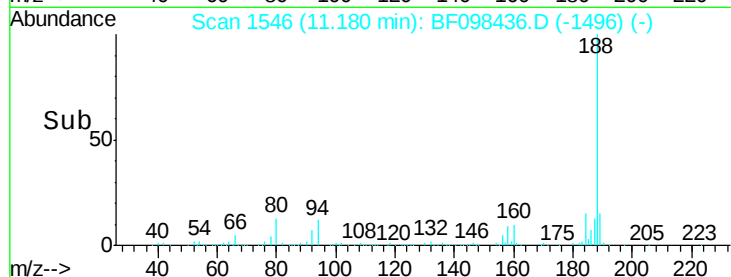
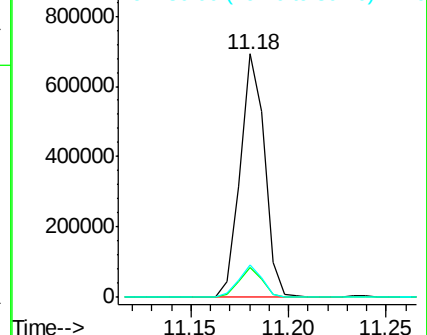
80 13.3 10.2 15.2



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



#64

4,6-Dinitro-2-methylphenol

Concen: 5.40 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.24 min

Lab File: BF098436.D

Acq: 12 Sep 2017 7:00

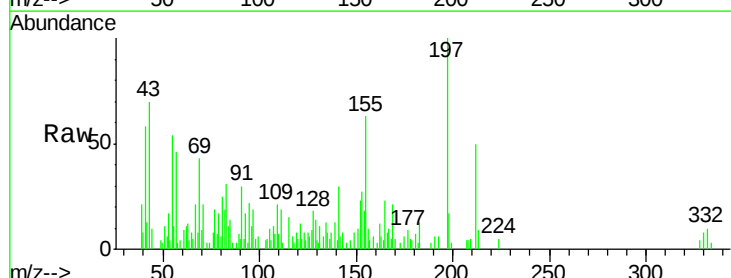
Tgt Ion:198 Resp: 1789

Ion Ratio Lower Upper

198 100

51 66.7 53.2 93.2

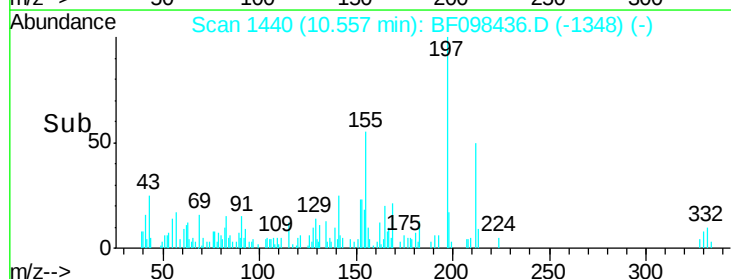
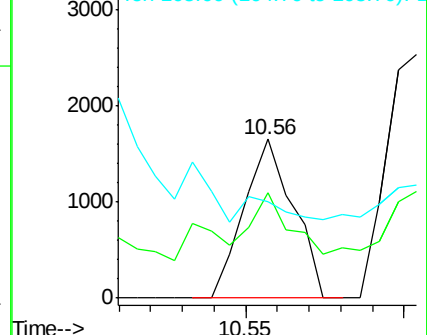
105 60.6 45.8 85.8

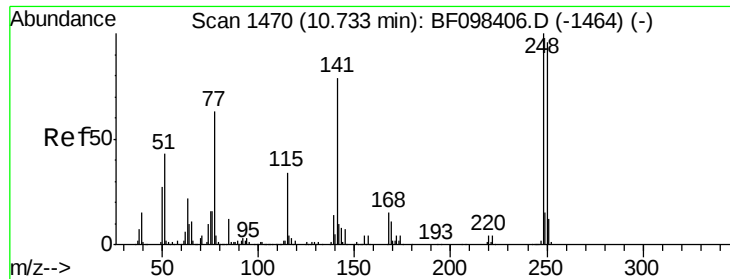


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

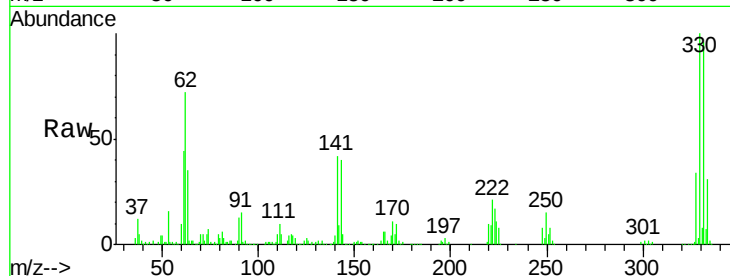




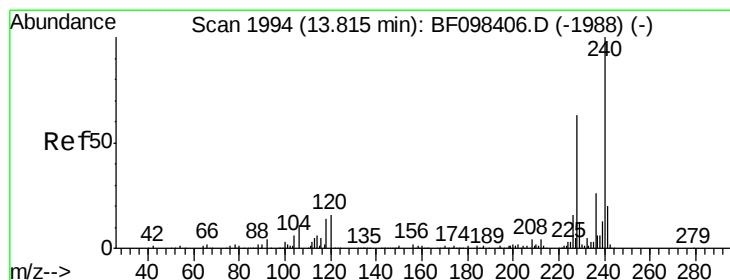
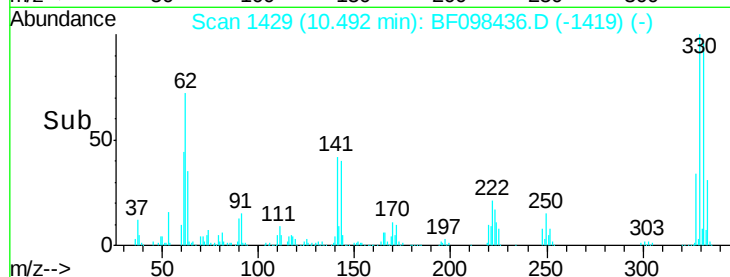
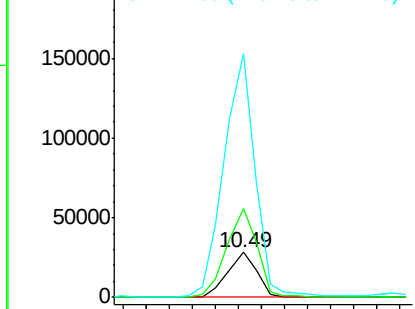
#66
4-Bromophenyl-phenylether
Concen: 4.40 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.24 min
Lab File: BF098436.D
Acq: 12 Sep 2017 7:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 25097
Ion Ratio Lower Upper
248 100
250 197.5 76.8 115.2#
141 543.3 68.6 103.0#

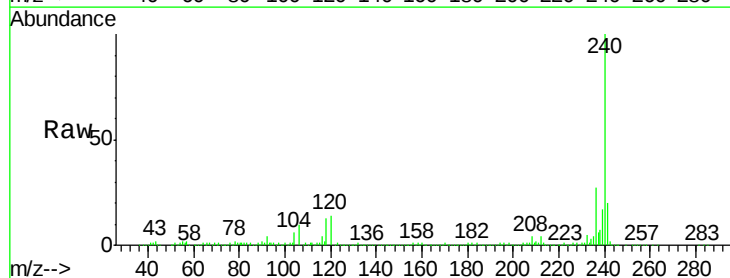


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

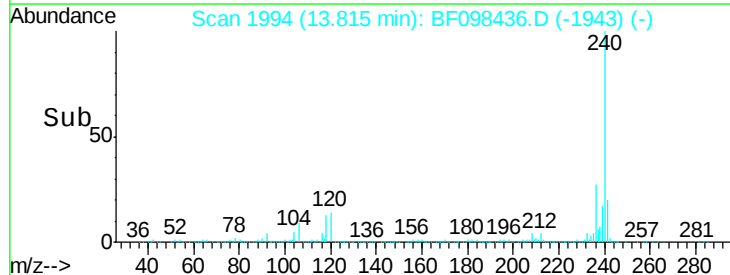
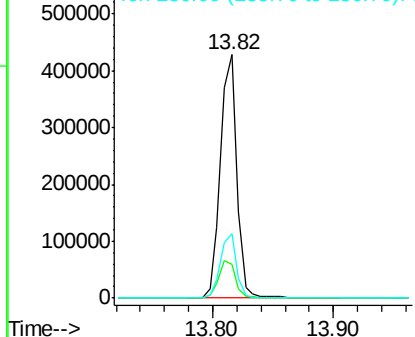


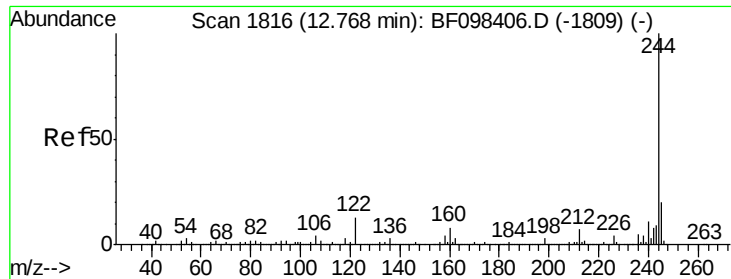
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.82 min Scan# 1994
Delta R.T. 0.00 min
Lab File: BF098436.D
Acq: 12 Sep 2017 7:00

Tgt Ion:240 Resp: 400668
Ion Ratio Lower Upper
240 100
120 13.7 5.8 8.8#
236 26.5 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: 55.61 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF098436.D

Acq: 12 Sep 2017 7:00

Instrument :

BNA_F

ClientSampleId :

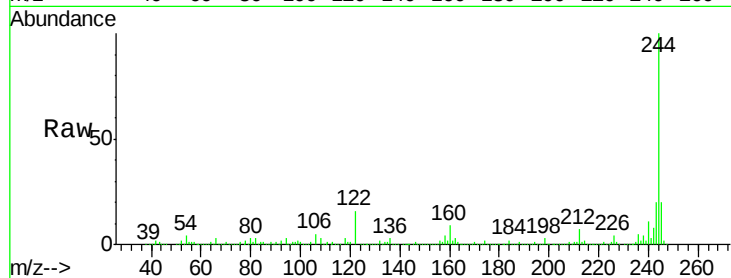
Tot Ion:244 Resp: 1032307

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

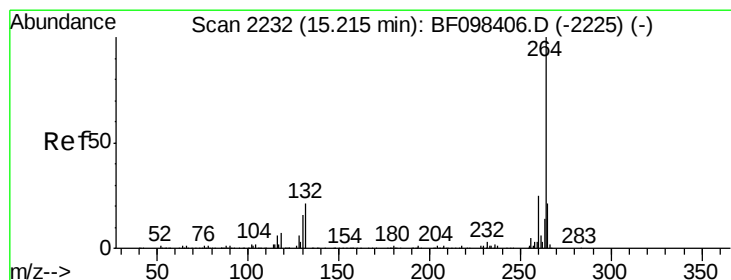
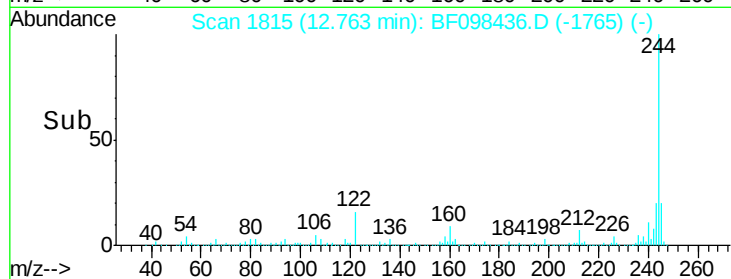
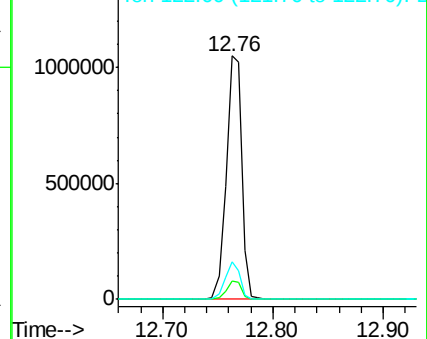
122 15.6 10.3 15.5#



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: 15.22 min Scan# 2232

Delta R.T. 0.00 min

Lab File: BF098436.D

Acq: 12 Sep 2017 7:00

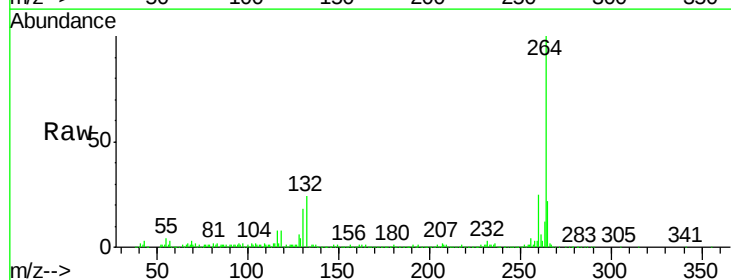
Tgt Ion:264 Resp: 388917

Ion Ratio Lower Upper

264 100

260 25.0 19.5 29.3

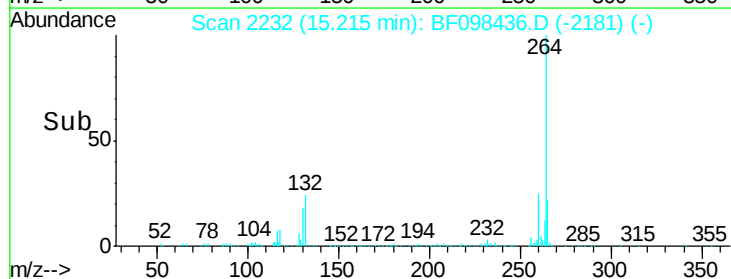
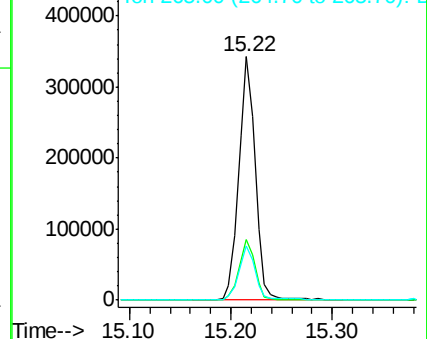
265 22.4 17.2 25.8

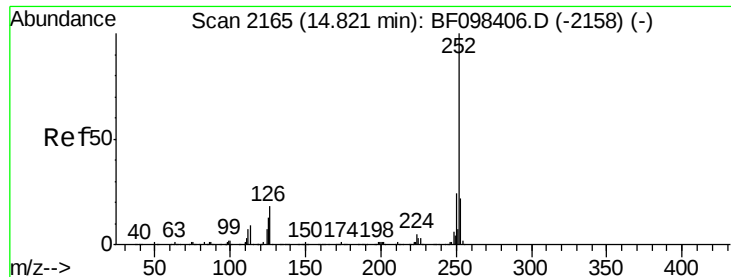


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.22 ng

RT: 14.82 min Scan# 2165

Delta R.T. 0.00 min

Lab File: BF098436.D

Acq: 12 Sep 2017 7:00

Instrument :

BNA_F

ClientSampleId :

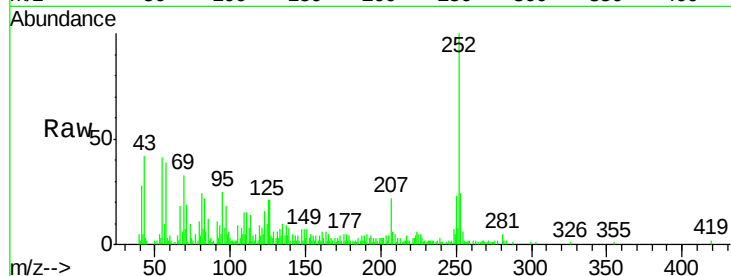
Tot Ion:252 Resp: 54240

Ion Ratio Lower Upper

252 100

253 23.8 18.1 27.1

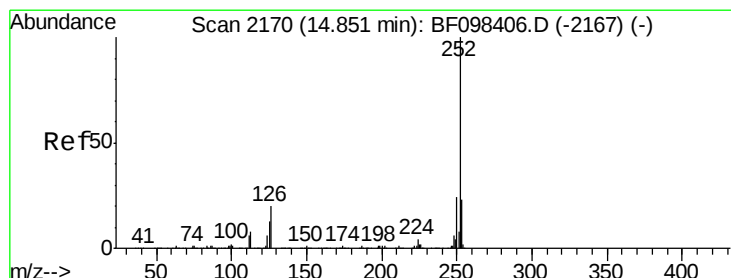
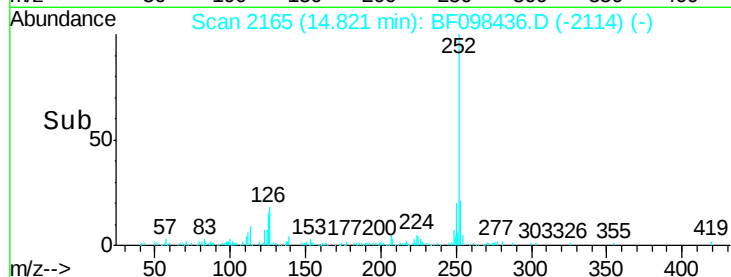
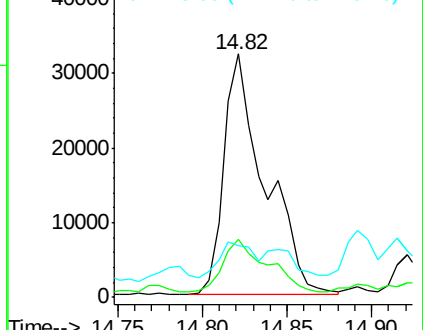
125 21.2 9.8 14.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.38 ng

RT: 14.82 min Scan# 2165

Delta R.T. -0.03 min

Lab File: BF098436.D

Acq: 12 Sep 2017 7:00

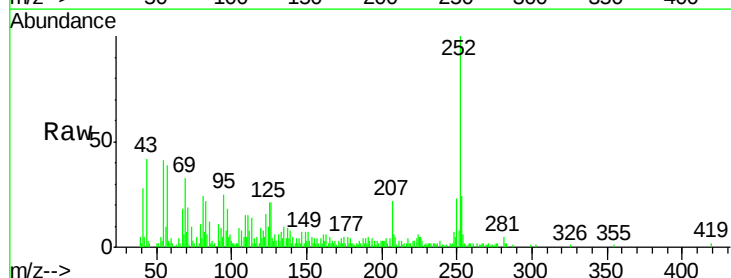
Tgt Ion:252 Resp: 54240

Ion Ratio Lower Upper

252 100

253 23.8 18.4 27.6

125 21.2 13.1 19.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

