

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091417\
 Data File : BF098548.D
 Acq On : 15 Sep 2017 00:43
 Operator : SJ/JU
 Sample : I5161-19
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RL-7-11-22

Quant Time: Sep 15 05:04:37 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	6.65	152	131180	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	549574	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	242906	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	377325	20.00	ng	-0.02
75) Chrysene-d12	13.79	240	269007	20.00	ng	-0.02
86) Perylene-d12	15.19	264	292402	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	852995	96.14	ng	-0.02
7) Phenol-d6	6.30	99	1069181	94.91	ng	-0.02
23) Nitrobenzene-d5	7.22	82	520771	52.83	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	123156	75.97	ng	-0.02
44) 2-Fluorobiphenyl	9.00	172	607239	42.37	ng	-0.03
78) Terphenyl-d14	12.74	244	474875	38.10	ng	-0.02

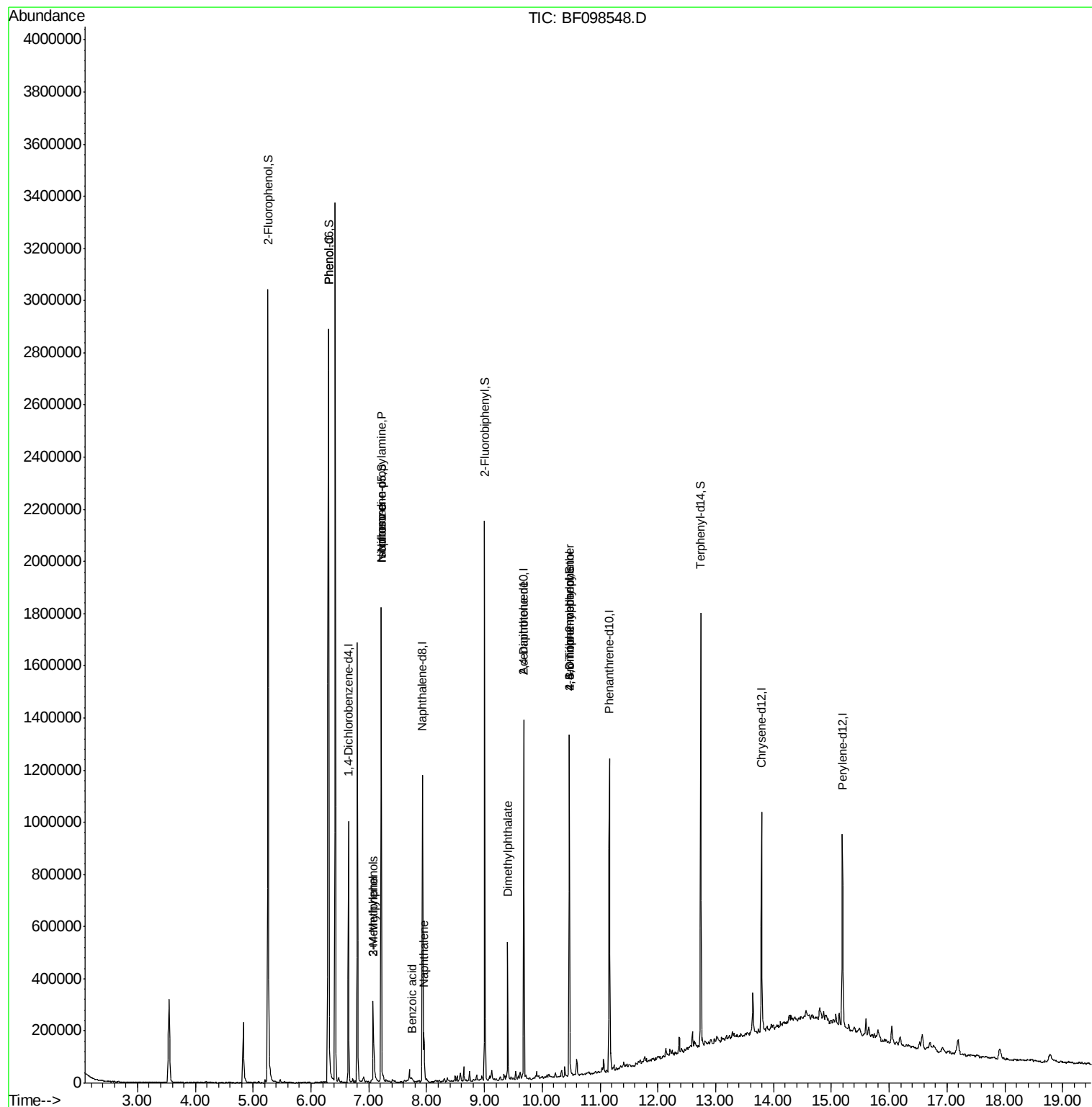
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.31	94	34330	2.624	ng	# 75
17) 2-Methylphenol	7.07	107	113684	14.290	ng	# 68
19) n-Nitroso-di-n-propylamine	7.22	70	69020	9.741	ng	# 82
20) 3+4-Methylphenols	7.07	107	115274	11.482	ng	# 57
25) Isophorone	7.22	82	512108	25.676	ng	# 67
31) Naphthalene	7.95	128	64474	2.373	ng	# 99
32) Benzoic acid	7.75	122	4095	8.559	ng	# 30
49) Dimethylphthalate	9.40	163	176621	9.393	ng	# 98
56) 2,4-Dinitrotoluene	9.68	165	30945	6.590	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.47	198	277	5.072	ng	# 1
66) 4-Bromophenyl-phenylether	10.47	248	8858	2.474	ng	# 1

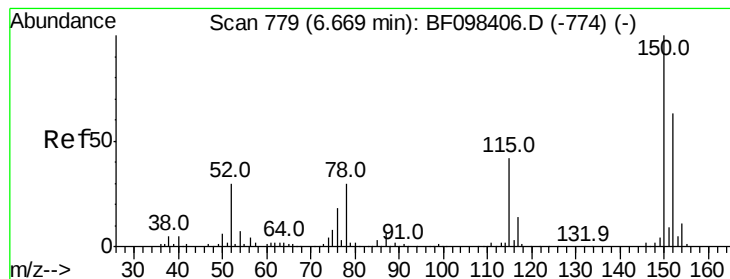
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.65 min Scan# 775

Delta R.T. -0.02 min

Lab File: BF098548.D

Acq: 15 Sep 2017 00:43

Instrument :

BNA_F

ClientSampleId :

RL-7-11-22

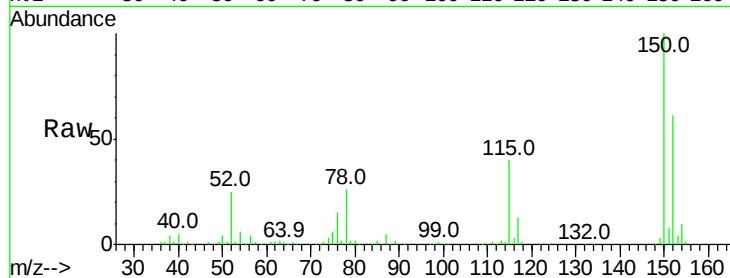
Tot Ion:152 Resp: 131180

Ion Ratio Lower Upper

152 100

150 163.7 126.2 189.2

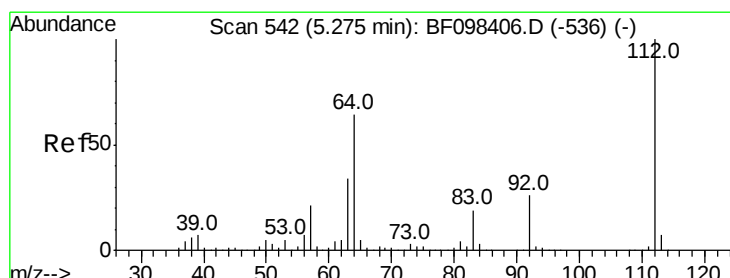
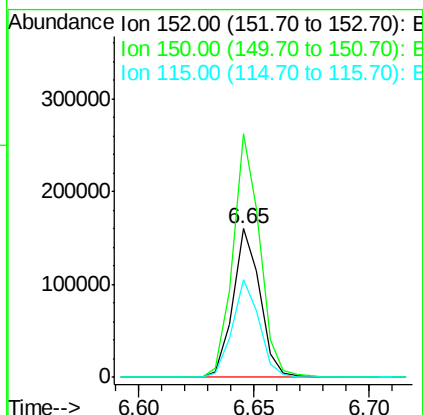
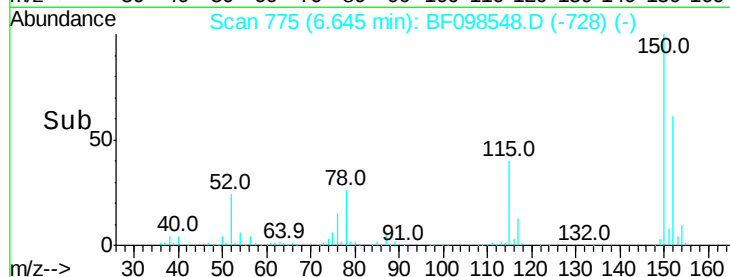
115 65.7 52.2 78.2



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: 96.141 ng

RT: 5.26 min Scan# 539

Delta R.T. -0.02 min

Lab File: BF098548.D

Acq: 15 Sep 2017 00:43

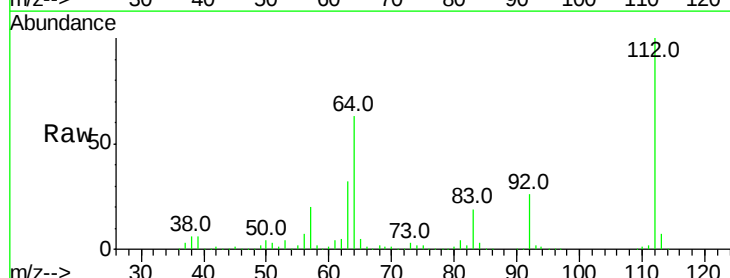
Tgt Ion:112 Resp: 852995

Ion Ratio Lower Upper

112 100

64 62.7 46.0 69.0

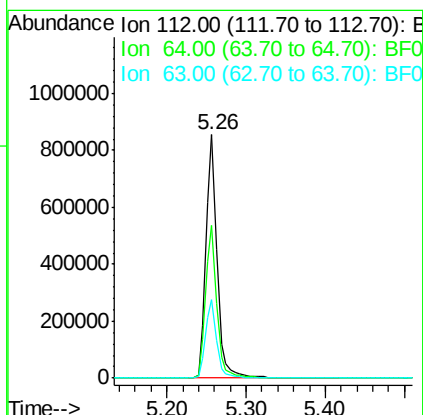
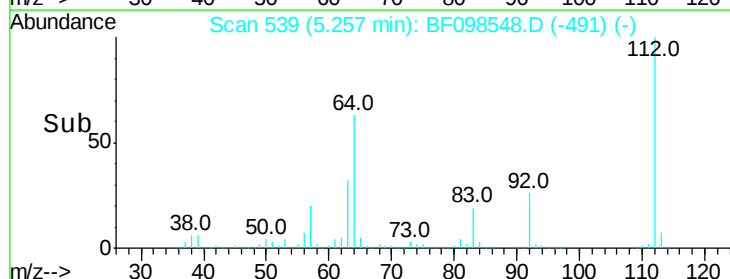
63 32.4 23.4 35.0

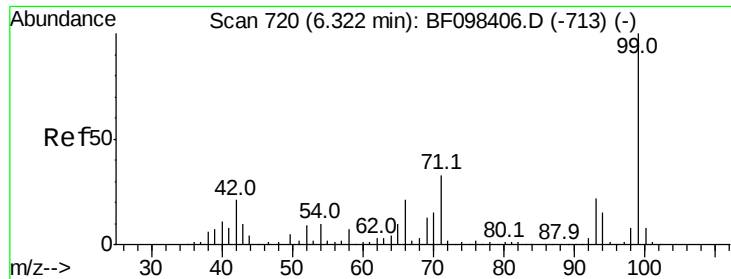


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 94.912 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.02 min

Lab File: BF098548.D

Acq: 15 Sep 2017 00:43

Instrument :

BNA_F

ClientSampleId :

RL-7-11-22

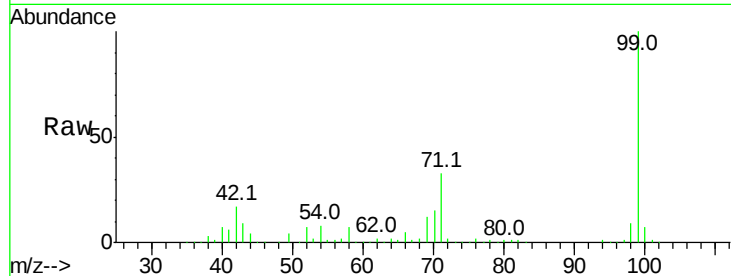
Tot Ion: 99 Resp: 1069181

Ion Ratio Lower Upper

99 100

42 17.3 13.5 20.3

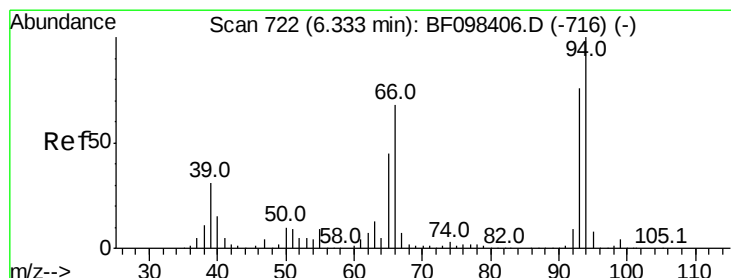
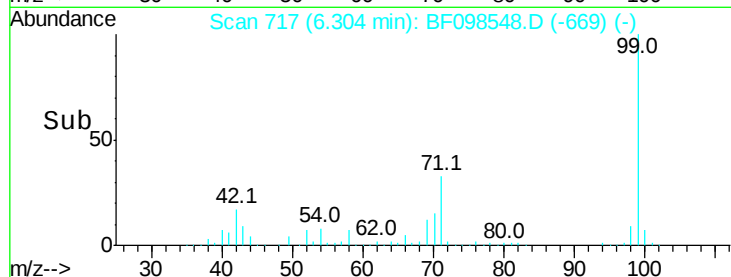
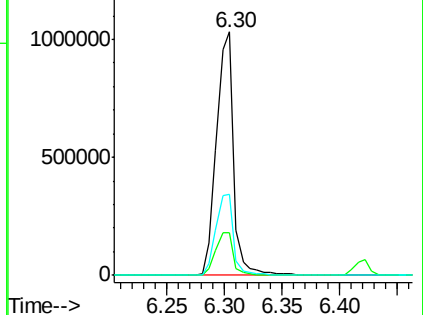
71 33.1 24.5 36.7



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: 2.624 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.02 min

Lab File: BF098548.D

Acq: 15 Sep 2017 00:43

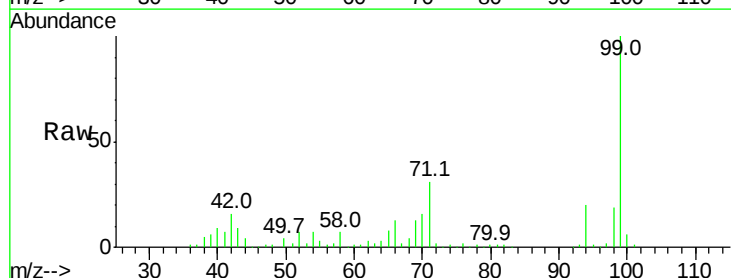
Tgt Ion: 94 Resp: 34330

Ion Ratio Lower Upper

94 100

65 37.8 9.9 49.9

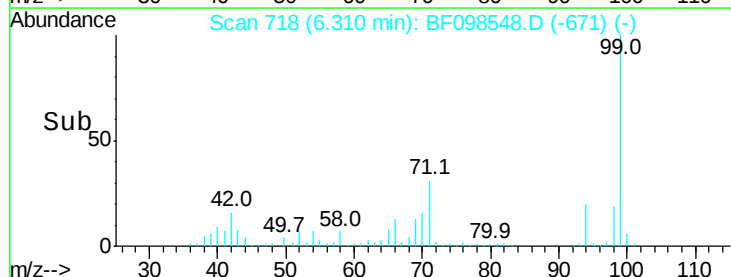
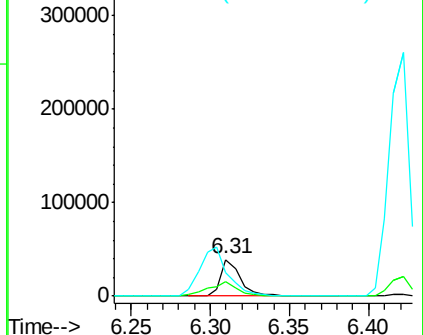
66 63.3 23.1 63.1#

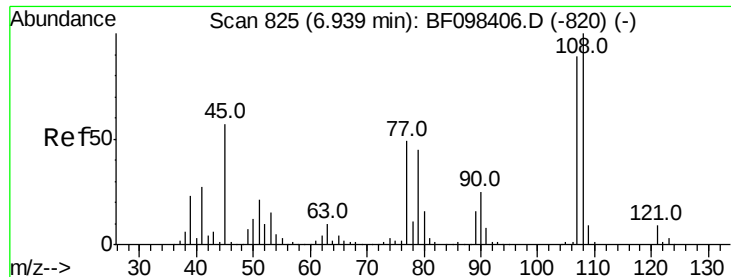


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#17

2-Methylphenol

Concen: 14.290 ng

RT: 7.07 min Scan# 848

Delta R.T. 0.14 min

Lab File: BF098548.D

Acq: 15 Sep 2017 00:43

Instrument :

BNA_F

ClientSampleId :

RL-7-11-22

Tot Ion:107 Resp: 113684

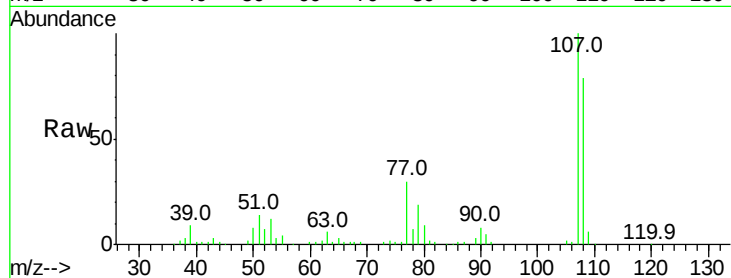
Ion Ratio Lower Upper

107 100

108 79.4 93.4 140.0#

77 30.1 35.8 53.6#

79 19.4 34.8 52.2#



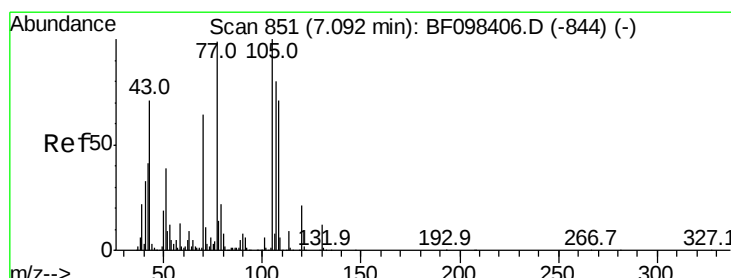
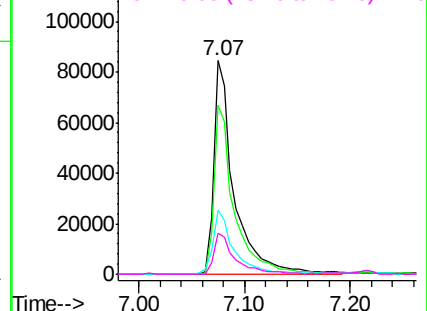
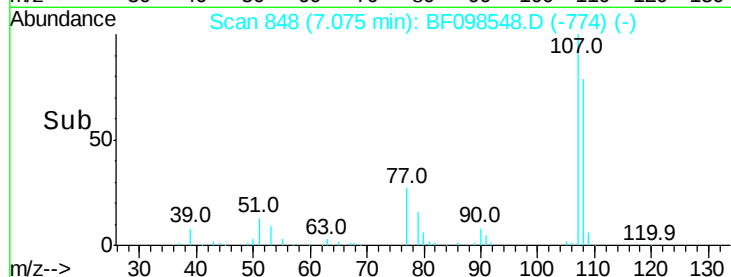
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 9.741 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.12 min

Lab File: BF098548.D

Acq: 15 Sep 2017 00:43

Tgt Ion: 70 Resp: 69020

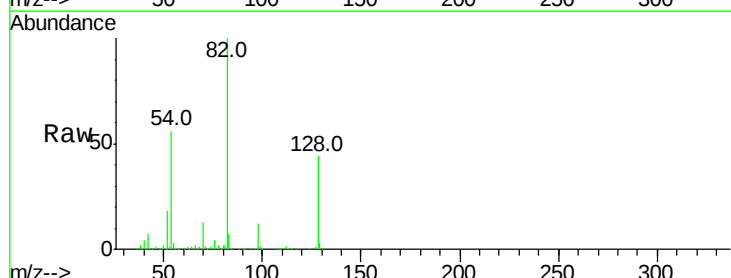
Ion Ratio Lower Upper

70 100

42 51.1 47.2 70.8

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#



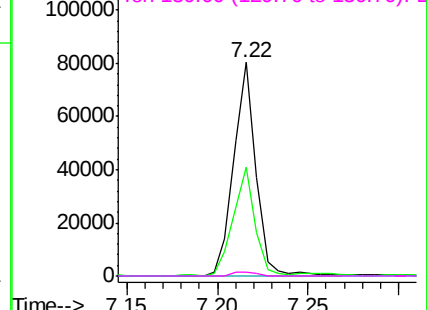
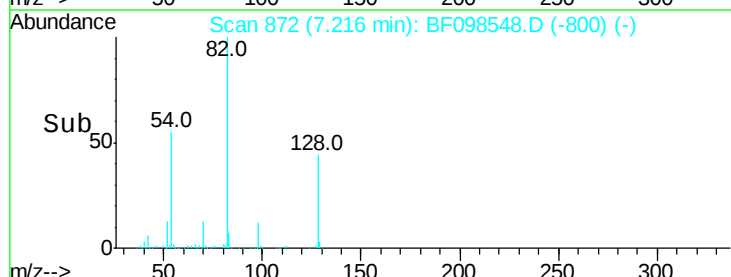
Abundance

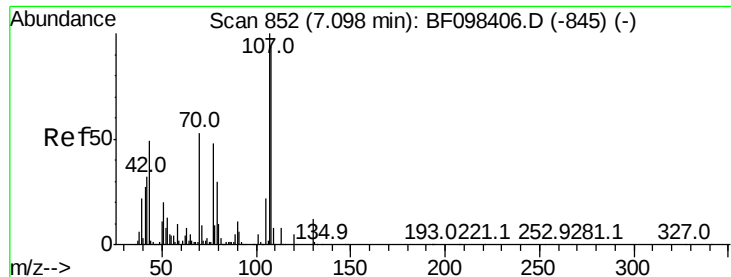
Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 11.482 ng

RT: 7.07 min Scan# 848

Delta R.T. -0.02 min

Lab File: BF098548.D

Acq: 15 Sep 2017 00:43

Instrument :

BNA_F

ClientSampleId :

RL-7-11-22

Tot Ion:107 Resp: 115274

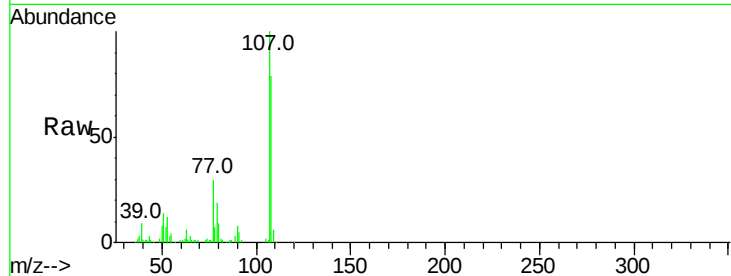
Ion Ratio Lower Upper

107 100

108 79.4 71.0 111.0

77 30.1 90.5 130.5#

79 19.4 8.4 48.4

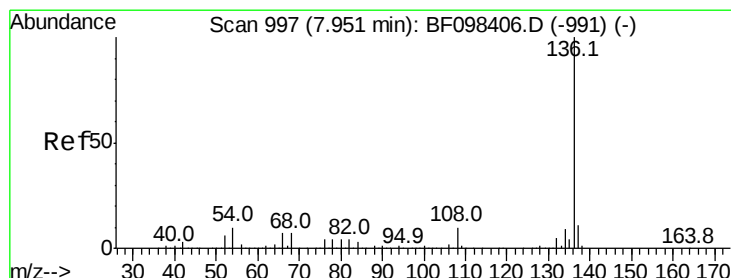
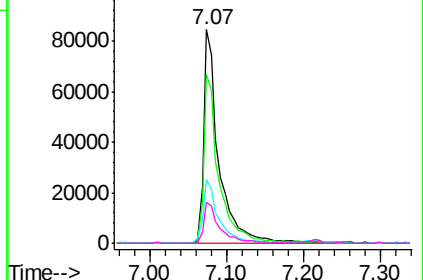
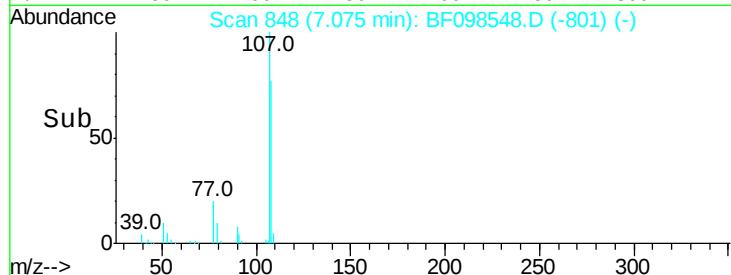


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 994

Delta R.T. -0.02 min

Lab File: BF098548.D

Acq: 15 Sep 2017 00:43

Tgt Ion:136 Resp: 549574

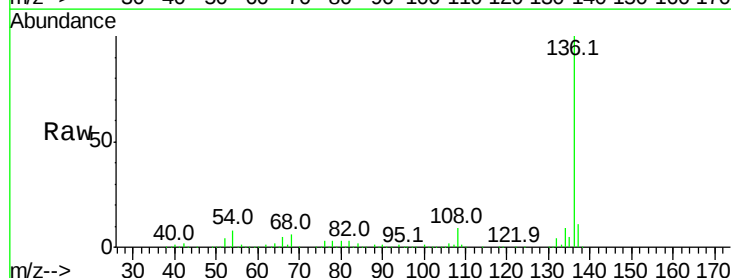
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 8.3 4.9 7.3#

68 5.5 4.1 6.1

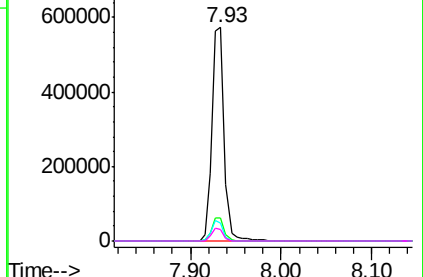
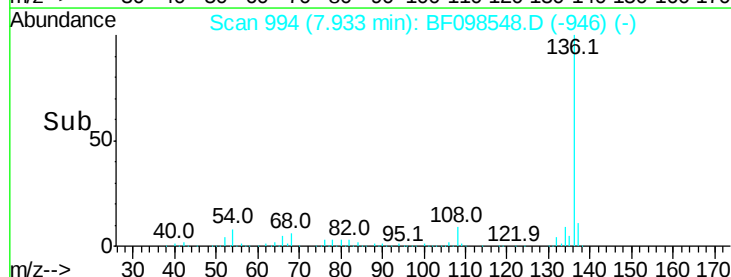


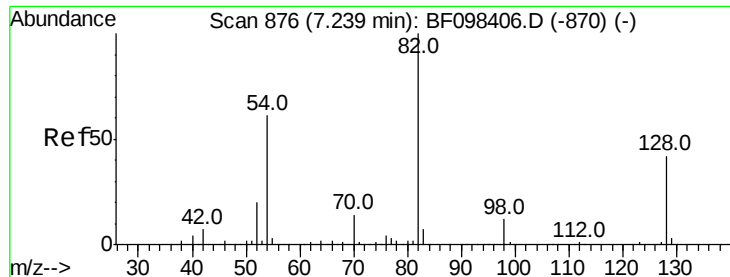
Abundance Ion 136.00 (135.70 to 136.70): E

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

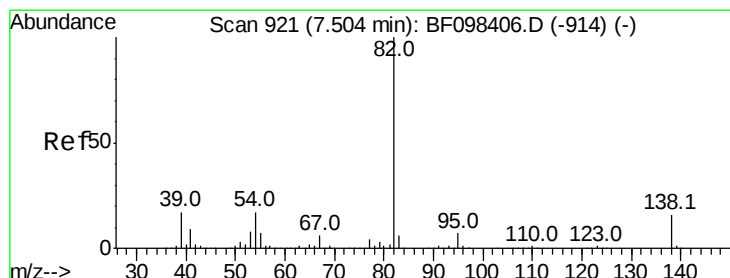
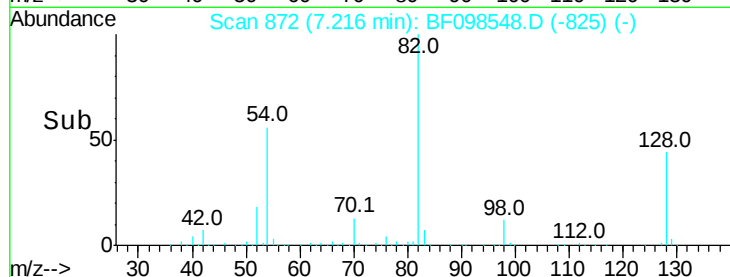
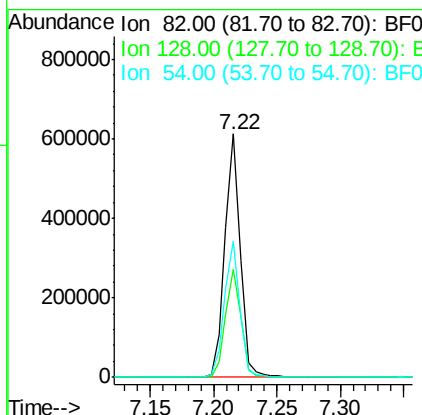
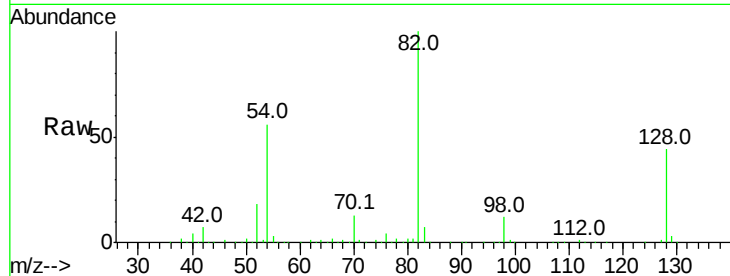




#23
 Nitrobenzene-d5
 Concen: 52.828 ng
 RT: 7.22 min Scan# 872
 Delta R.T. -0.02 min
 Lab File: BF098548.D
 Acq: 15 Sep 2017 00:43

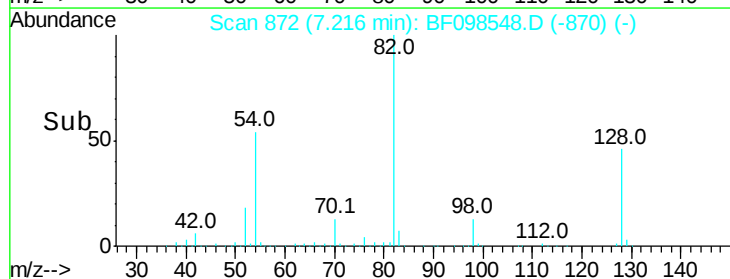
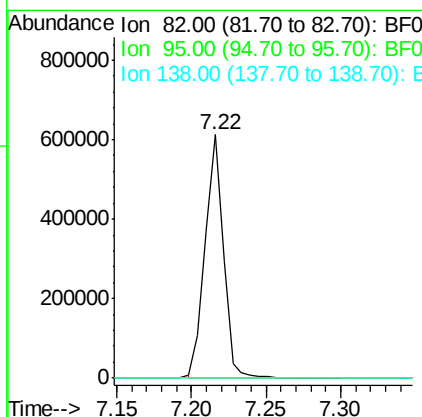
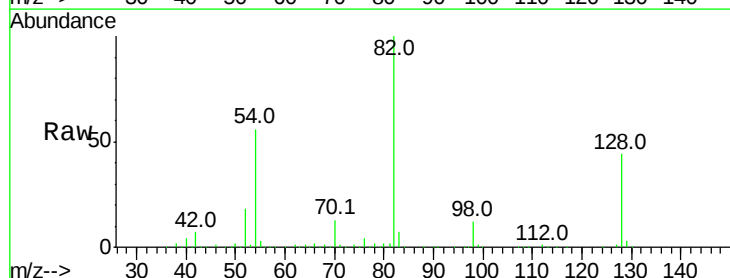
Instrument :
 BNA_F
 ClientSampleId :
 RL-7-11-22

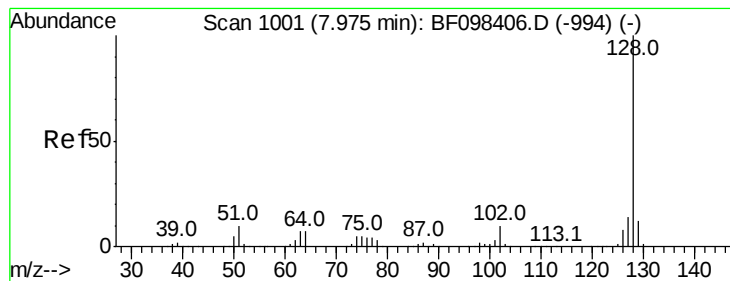
Tot Ion: 82 Resp: 520771
 Ion Ratio Lower Upper
 82 100
 128 44.3 34.0 51.0
 54 55.9 42.2 63.2



#25
 Isophorone
 Concen: 25.676 ng
 RT: 7.22 min Scan# 872
 Delta R.T. -0.29 min
 Lab File: BF098548.D
 Acq: 15 Sep 2017 00:43

Tgt Ion: 82 Resp: 512108
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#





#31

Naphthalene

Concen: 2.373 ng

RT: 7.95 min Scan# 997

Delta R.T. -0.02 min

Lab File: BF098548.D

Acq: 15 Sep 2017 00:43

Instrument :

BNA_F

ClientSampleId :

RL-7-11-22

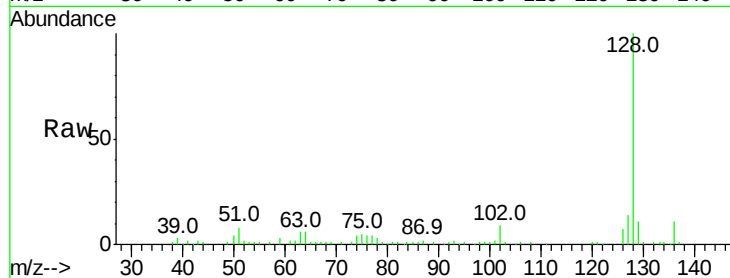
Tot Ion:128 Resp: 64474

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.6

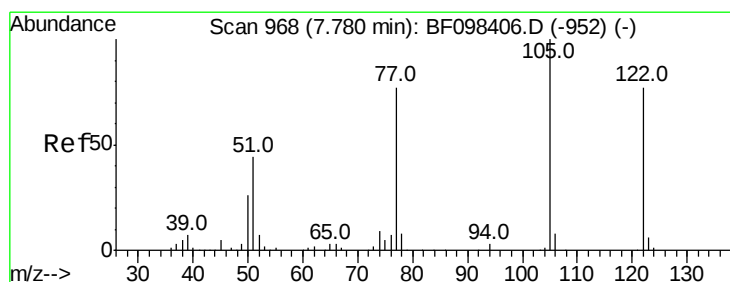
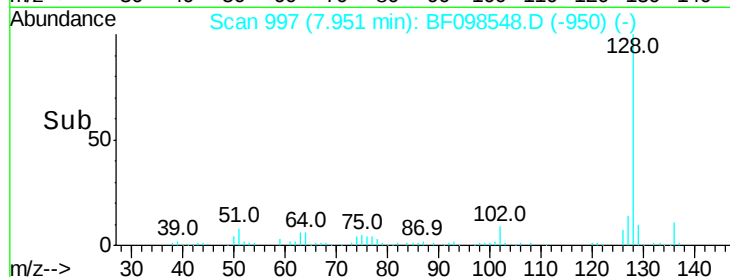
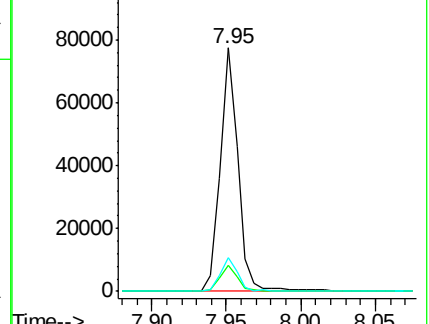
127 14.0 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 8.559 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.03 min

Lab File: BF098548.D

Acq: 15 Sep 2017 00:43

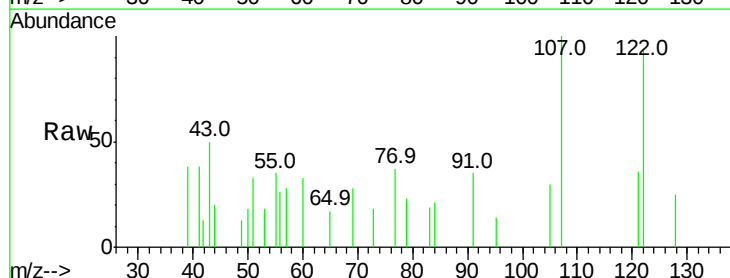
Tgt Ion:122 Resp: 4095

Ion Ratio Lower Upper

122 100

105 31.8 103.3 143.3#

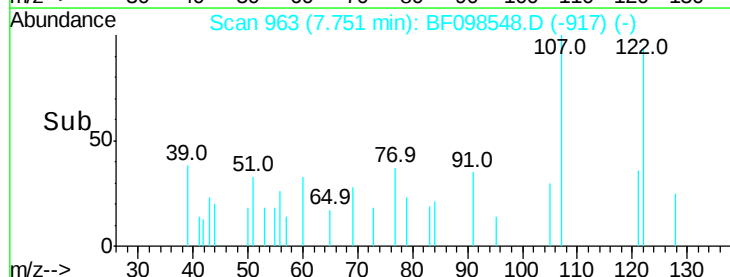
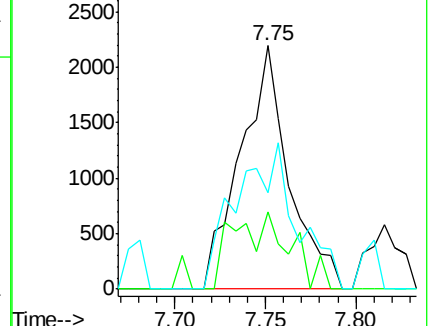
77 39.5 73.7 113.7#

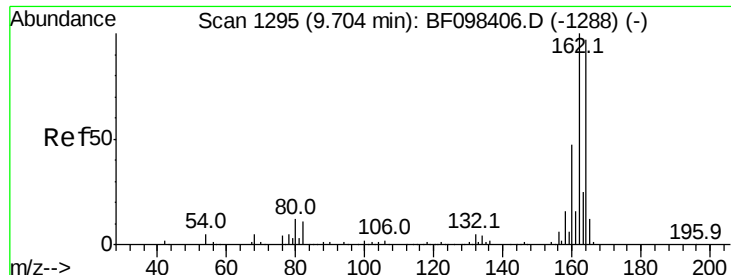


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

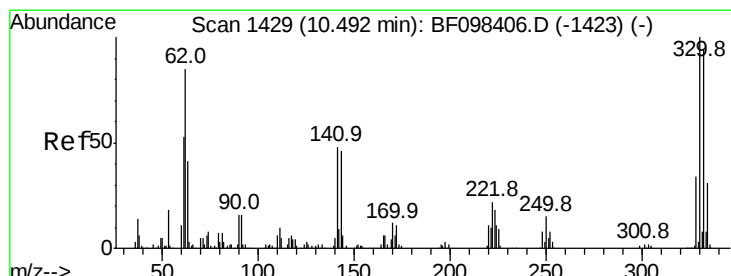
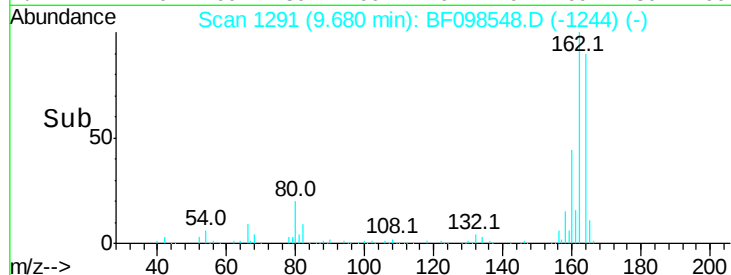
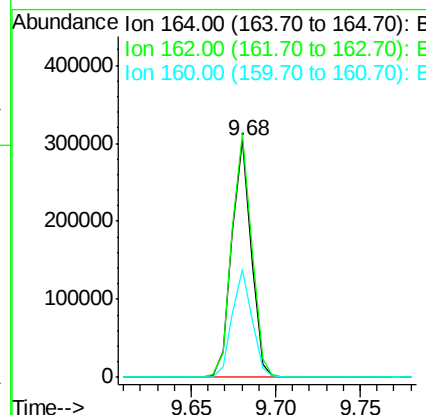
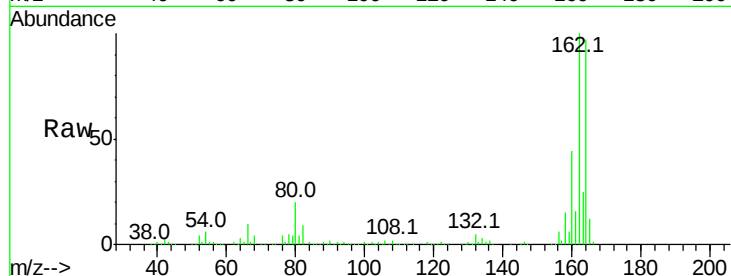




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. -0.02 min
 Lab File: BF098548.D
 Acq: 15 Sep 2017 00:43

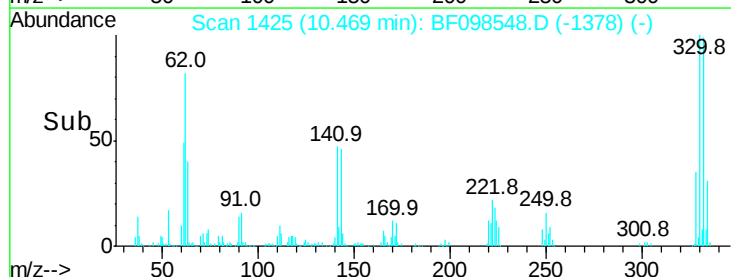
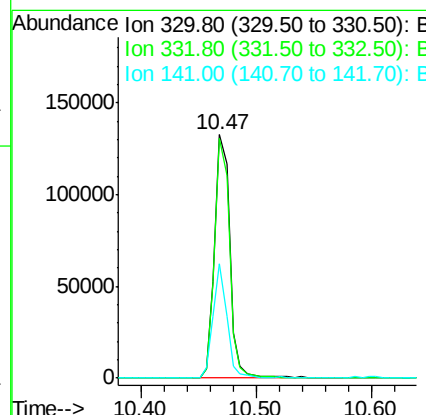
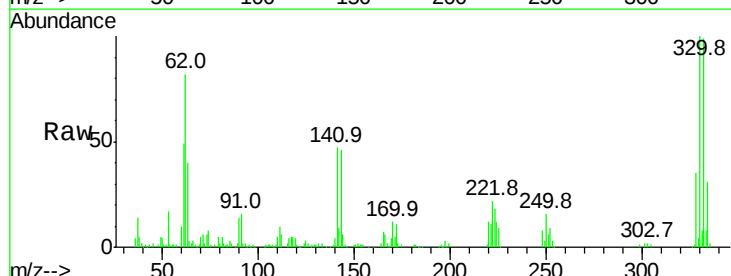
Instrument :
 BNA_F
 ClientSampleId :
 RL-7-11-22

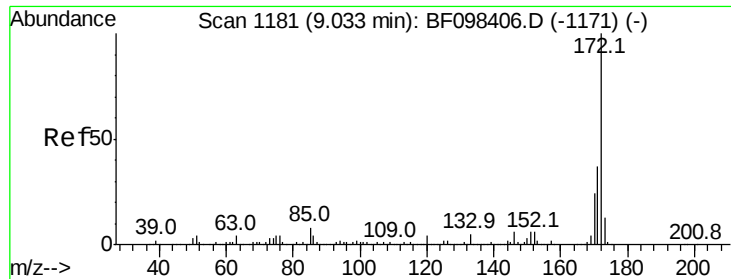
Tot Ion:164 Resp: 242906
 Ion Ratio Lower Upper
 164 100
 162 102.9 82.6 123.8
 160 45.6 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 75.966 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.02 min
 Lab File: BF098548.D
 Acq: 15 Sep 2017 00:43

Tgt Ion:330 Resp: 123156
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.6 115.0
 141 42.5 31.4 47.2

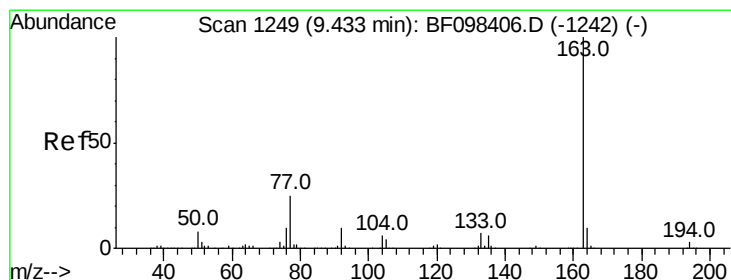
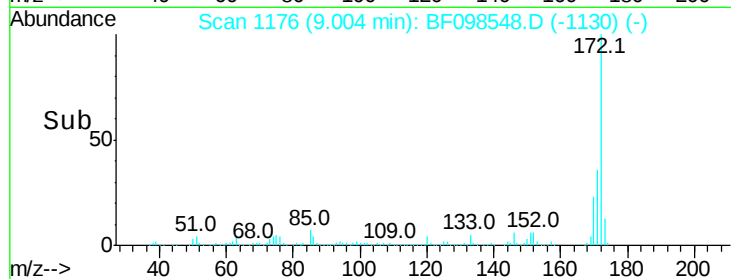
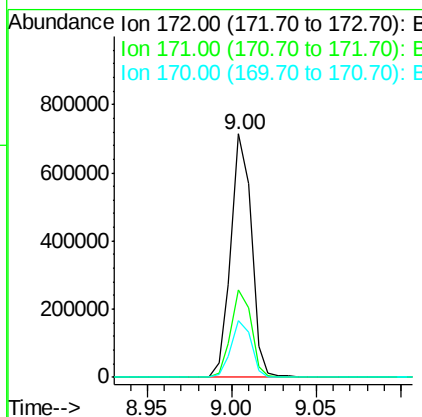
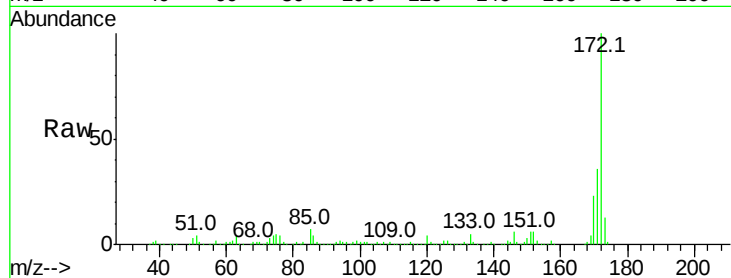




#44
 2-Fluorobiphenyl
 Concen: 42.371 ng
 RT: 9.00 min Scan# 1176
 Delta R.T. -0.03 min
 Lab File: BF098548.D
 Acq: 15 Sep 2017 00:43

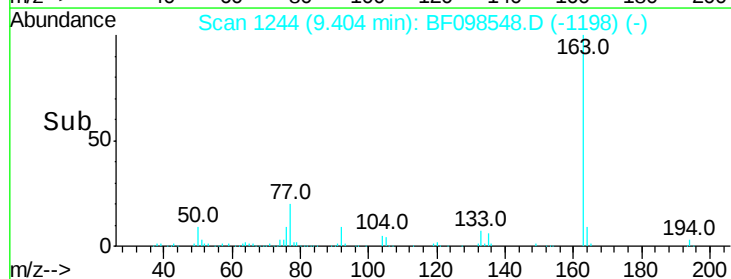
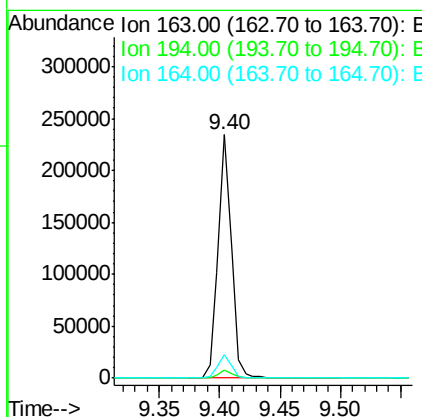
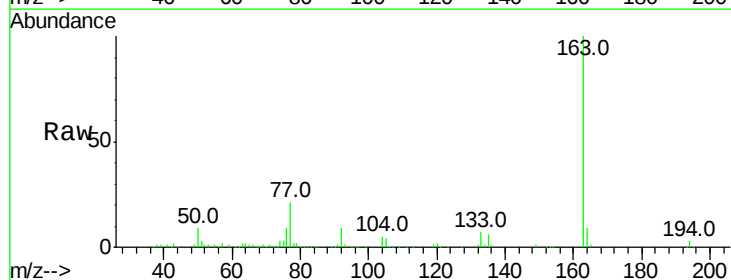
Instrument :
 BNA_F
 ClientSampleId :
 RL-7-11-22

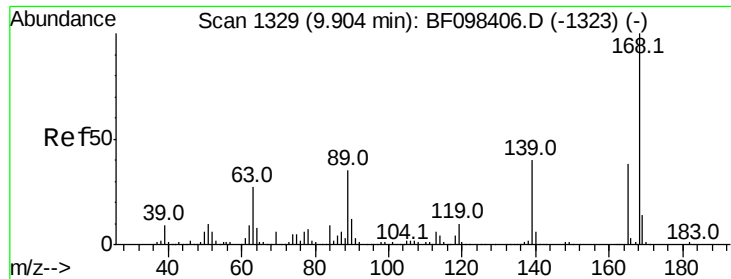
Tot Ion:172 Resp: 607239
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 23.5 19.8 29.8



#49
 Dimethylphthalate
 Concen: 9.393 ng
 RT: 9.40 min Scan# 1244
 Delta R.T. -0.03 min
 Lab File: BF098548.D
 Acq: 15 Sep 2017 00:43

Tgt Ion:163 Resp: 176621
 Ion Ratio Lower Upper
 163 100
 194 3.3 2.6 4.0
 164 9.5 8.4 12.6

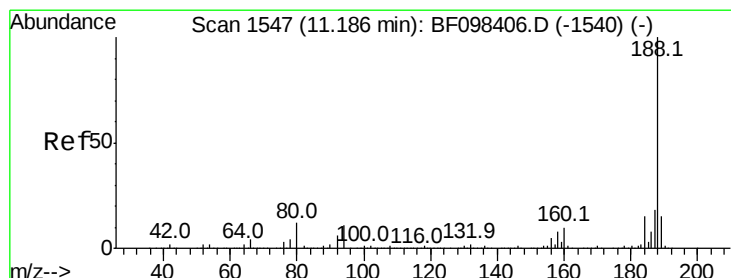
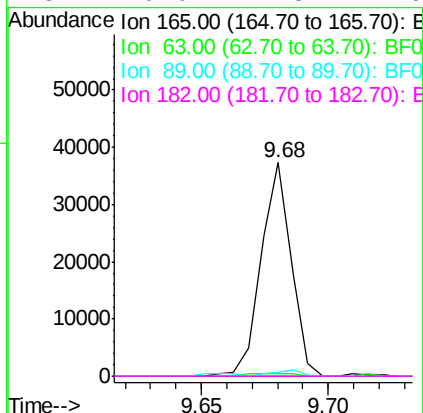
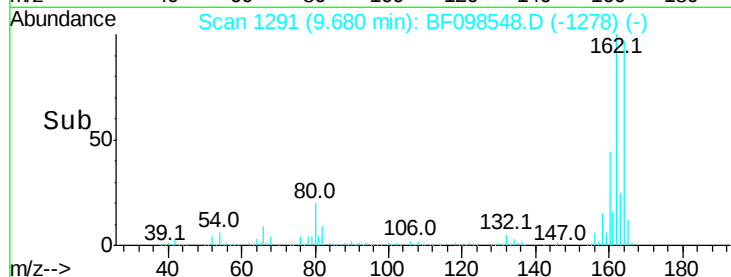
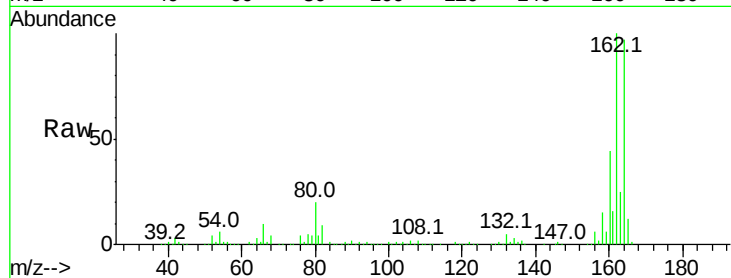




#56
 2,4-Dinitrotoluene
 Concen: 6.590 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. -0.22 min
 Lab File: BF098548.D
 Acq: 15 Sep 2017 00:43

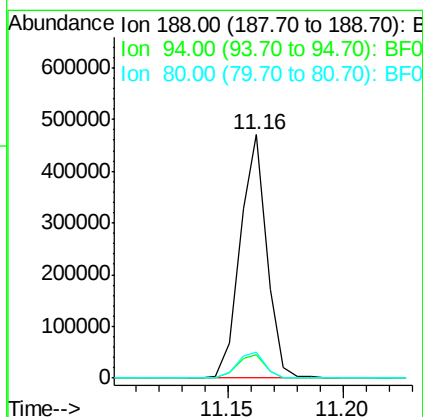
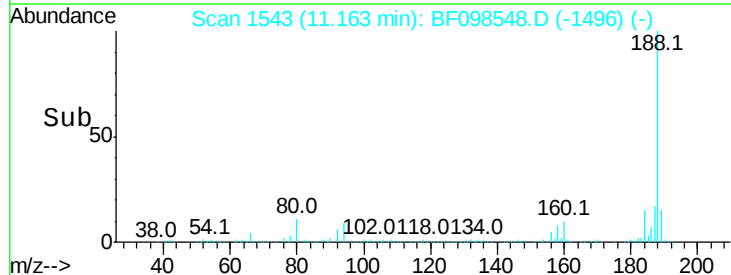
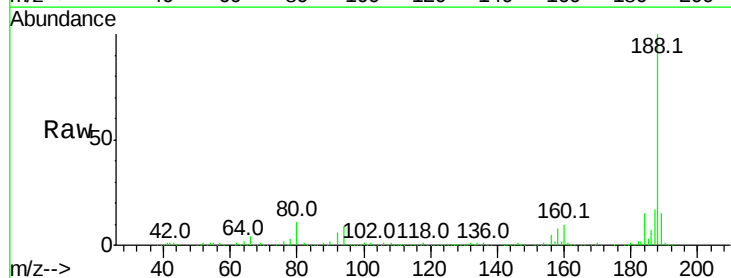
Instrument :
 BNA_F
 ClientSampleId :
 RL-7-11-22

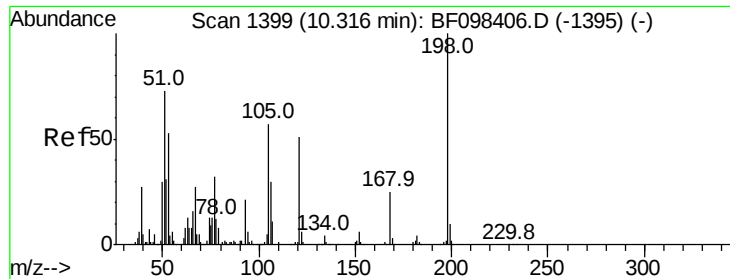
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	25.4	38.0#
89	2.0	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.16 min Scan# 1543
 Delta R.T. -0.02 min
 Lab File: BF098548.D
 Acq: 15 Sep 2017 00:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	9.4	14.2#
80	10.6	10.2	15.2

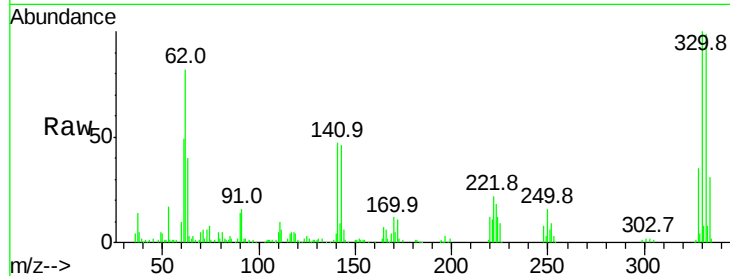




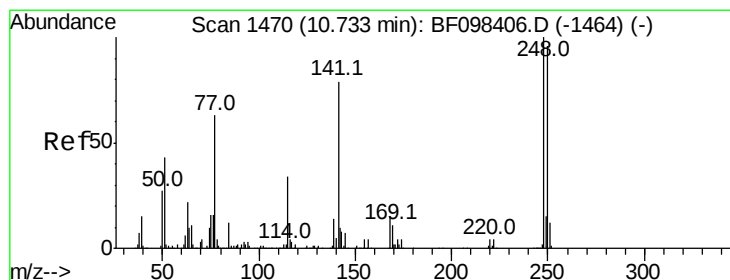
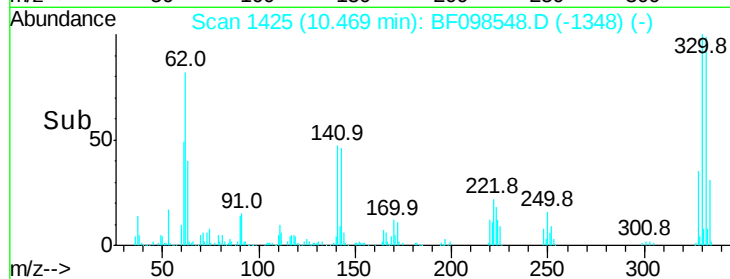
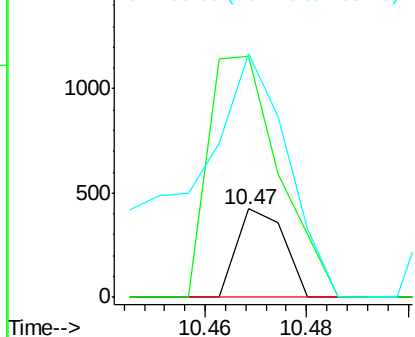
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.072 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. 0.15 min
 Lab File: BF098548.D
 Acq: 15 Sep 2017 00:43

Instrument :
 BNA_F
 ClientSampleId :
 RL-7-11-22

Tot Ion:198 Resp: 277
 Ion Ratio Lower Upper
 198 100
 51 272.0 53.2 93.2#
 105 274.8 45.8 85.8#

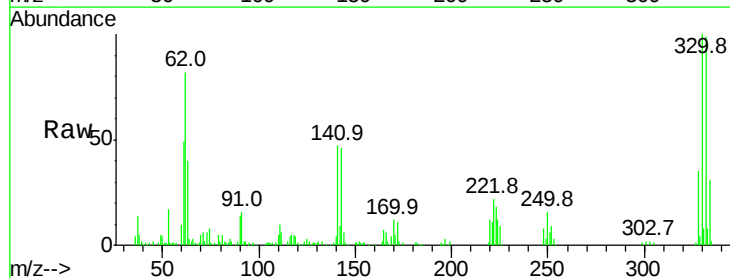


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

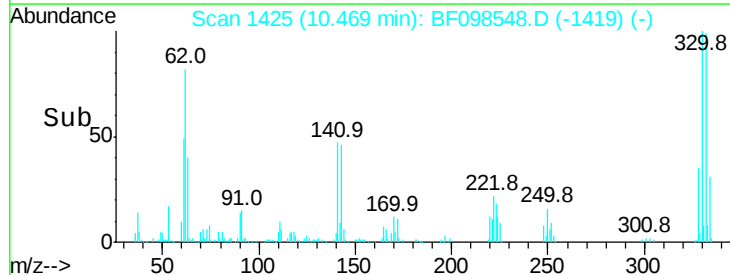
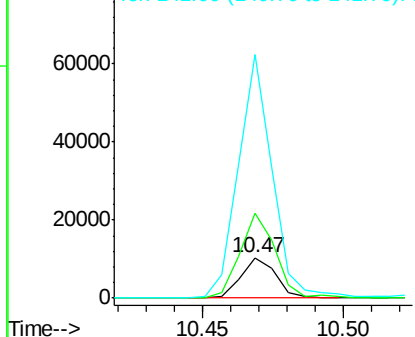


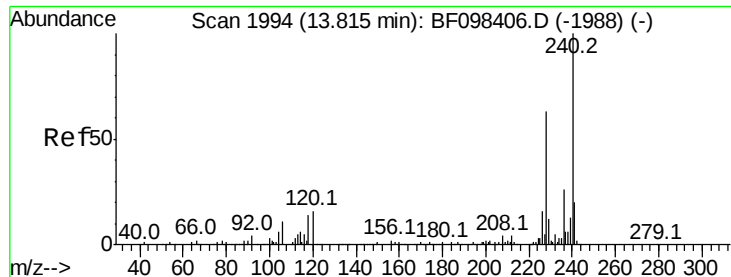
#66
 4-Bromophenyl-phenylether
 Concen: 2.474 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.26 min
 Lab File: BF098548.D
 Acq: 15 Sep 2017 00:43

Tgt Ion:248 Resp: 8858
 Ion Ratio Lower Upper
 248 100
 250 210.6 76.8 115.2#
 141 600.5 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: 20.000 ng

RT: 13.79 min Scan# 1990

Delta R.T. -0.02 min

Lab File: BF098548.D

Acq: 15 Sep 2017 00:43

Instrument :

BNA_F

ClientSampleId :

RL-7-11-22

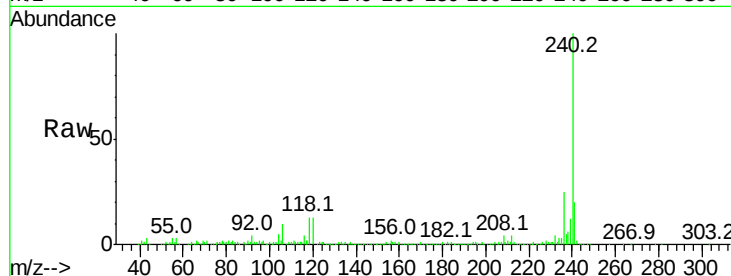
Tot Ion:240 Resp: 269007

Ion Ratio Lower Upper

240 100

120 13.2 5.8 8.8#

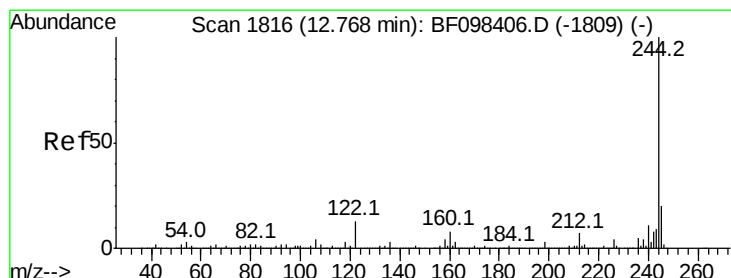
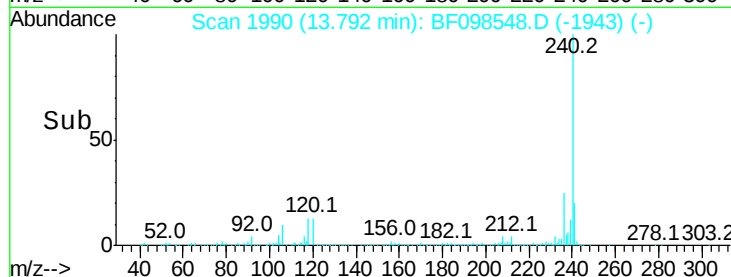
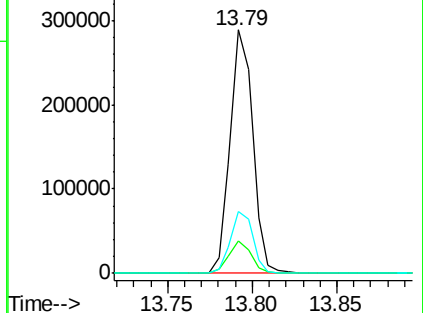
236 25.3 20.5 30.7



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: 38.103 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.02 min

Lab File: BF098548.D

Acq: 15 Sep 2017 00:43

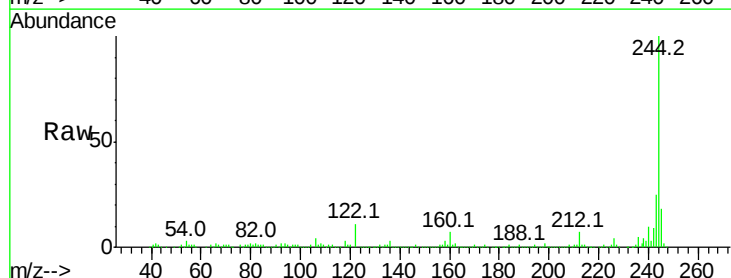
Tgt Ion:244 Resp: 474875

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

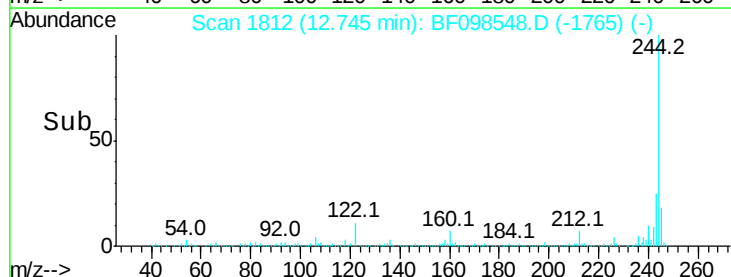
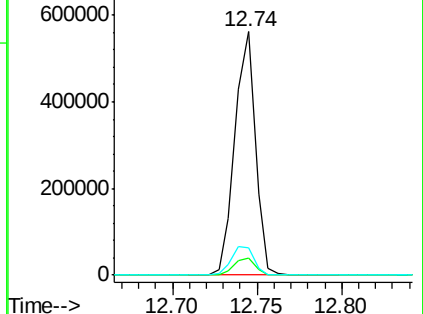
122 11.2 10.3 15.5

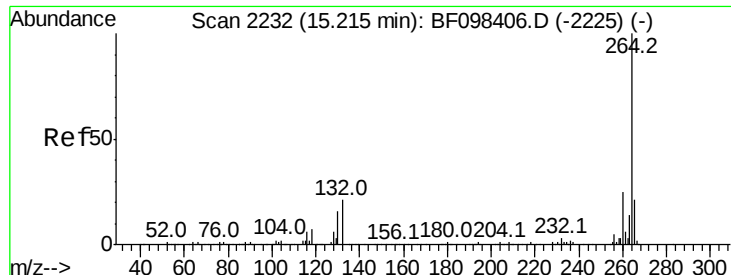


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

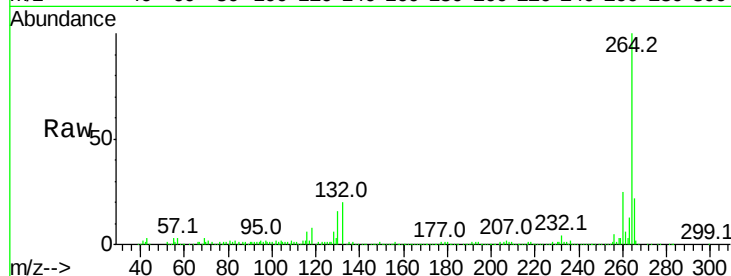




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.19 min Scan# 2228
 Delta R.T. -0.02 min
 Lab File: BF098548.D
 Acq: 15 Sep 2017 00:43

Instrument :
 BNA_F
 ClientSampleId :
 RL-7-11-22

Tot Ion:	264	Resp:	292402
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	21.9	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

