

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091317\
 Data File : BF098509.D
 Acq On : 14 Sep 2017 00:29
 Operator : SJ/JU
 Sample : I52502-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 14 05:20:45 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

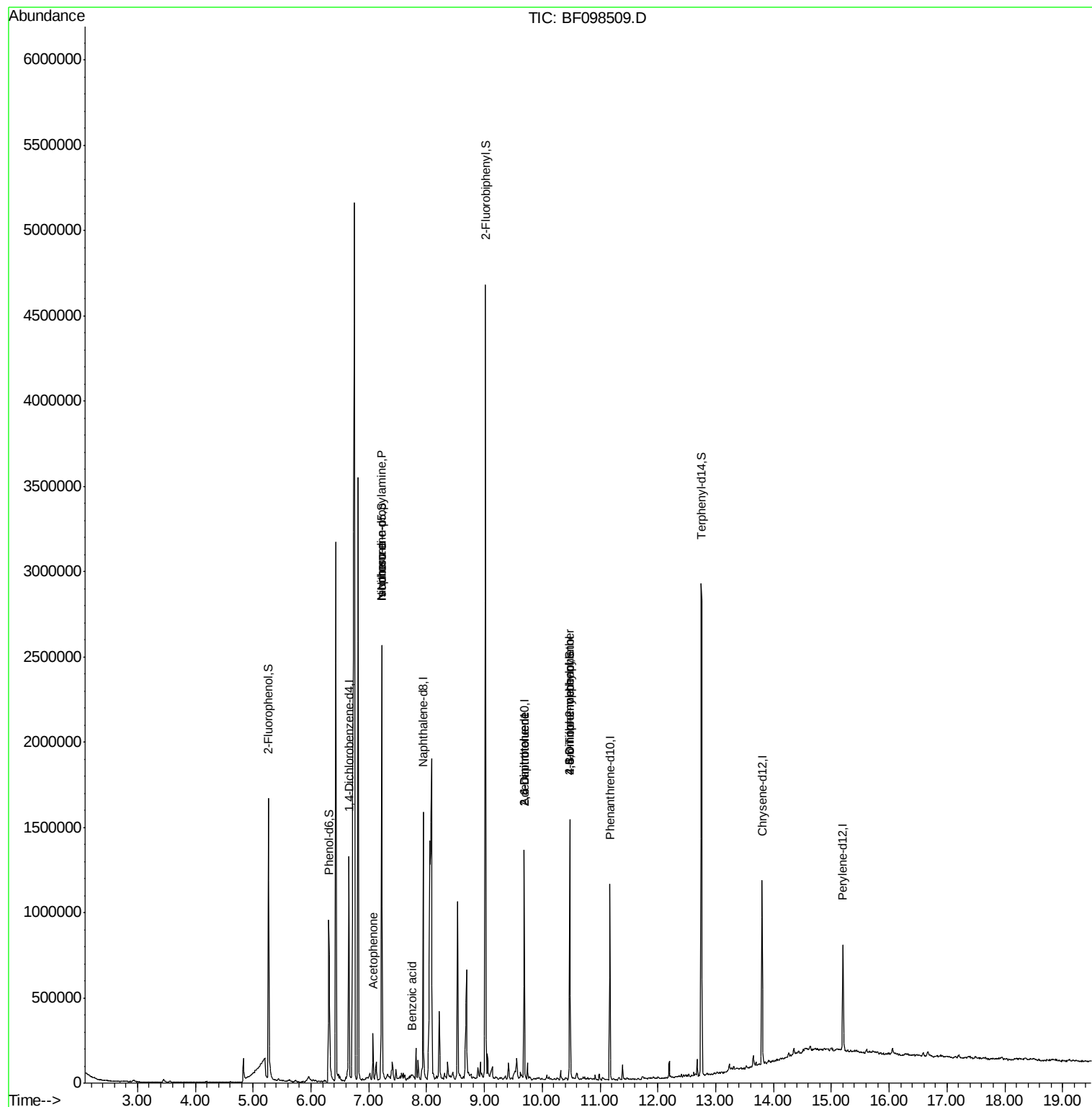
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	161071	20.00	ng	-0.01
21) Naphthalene-d8	7.94	136	632080	20.00	ng	-0.01
38) Acenaphthene-d10	9.69	164	248208	20.00	ng	-0.02
63) Phenanthrene-d10	11.17	188	358203	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	338132	20.00	ng	-0.01
86) Perylene-d12	15.20	264	268531	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	480810	44.14	ng	-0.01
7) Phenol-d6	6.31	99	370303	26.77	ng	-0.01
23) Nitrobenzene-d5	7.23	82	778990	68.71	ng	-0.01
41) 2,4,6-Tribromophenol	10.48	330	156716	94.60	ng	-0.01
44) 2-Fluorobiphenyl	9.02	172	1408838	96.20	ng	-0.02
78) Terphenyl-d14	12.75	244	903023	57.64	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.23	70	102202	11.747	ng	# 83
22) Acetophenone	7.07	105	72448	4.435	ng	# 89
25) Isophorone	7.23	82	769424	33.542	ng	# 67
32) Benzoic acid	7.73	122	1151	8.113	ng	# 48
50) 2,6-Dinitrotoluene	9.69	165	31415	7.960	ng	# 35
56) 2,4-Dinitrotoluene	9.69	165	31415	6.547	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.47	198	421	5.136	ng	# 1
66) 4-Bromophenyl-phenylether	10.48	248	11946	3.514	ng	# 1

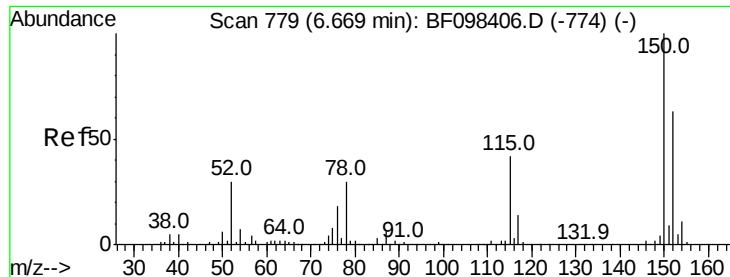
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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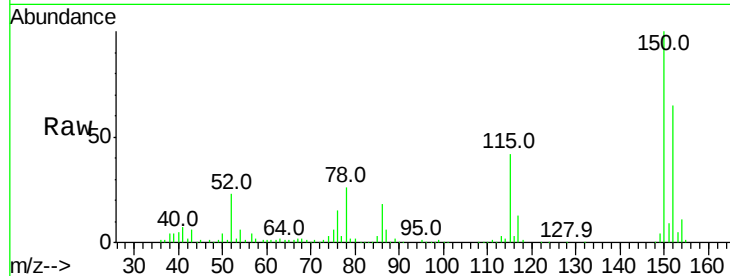


#1

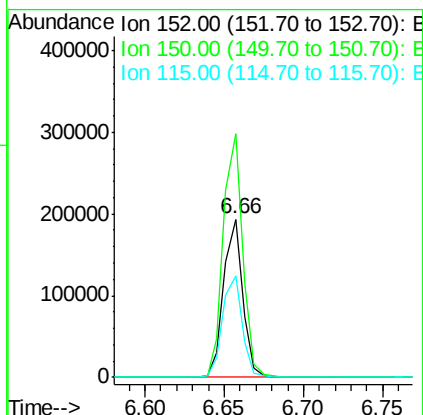
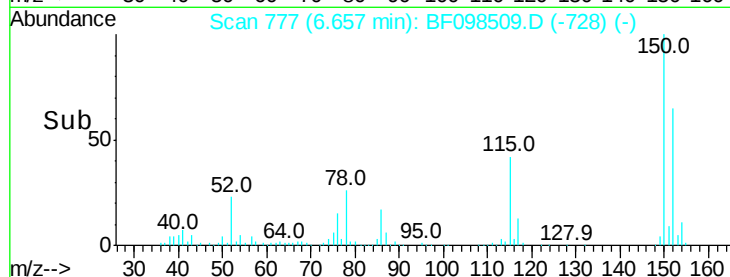
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.01 min
Lab File: BF098509.D
Acq: 14 Sep 2017 00:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 161071
Ion Ratio Lower Upper
152 100
150 154.0 126.2 189.2
115 64.4 52.2 78.2



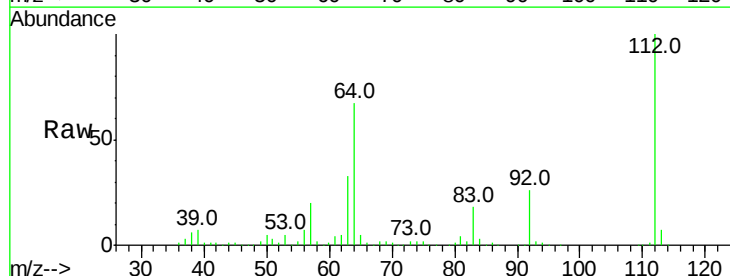
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



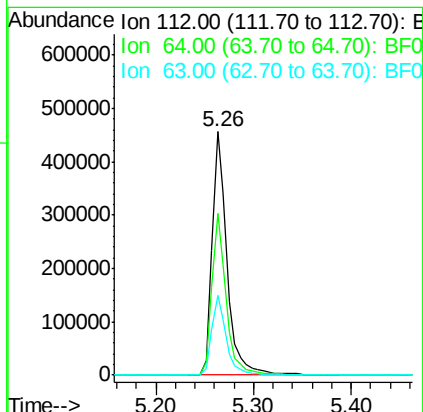
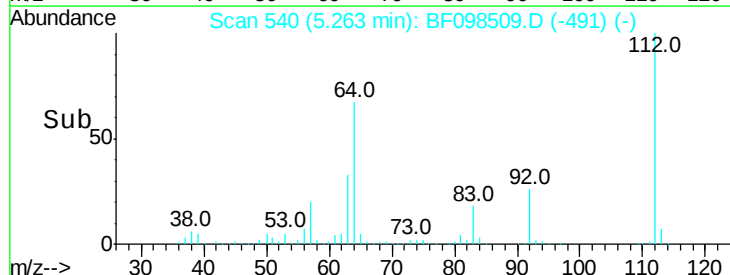
#5

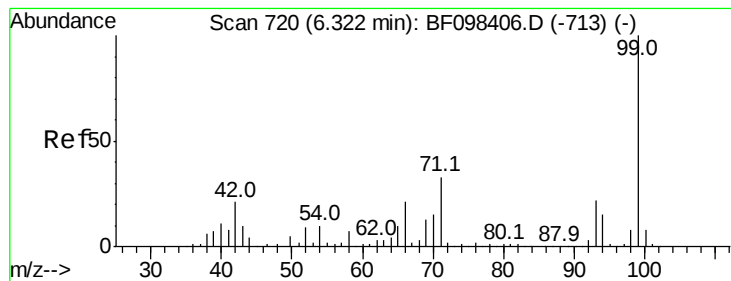
2-Fluorophenol
Concen: 44.135 ng
RT: 5.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF098509.D
Acq: 14 Sep 2017 00:29

Tgt Ion:112 Resp: 480810
Ion Ratio Lower Upper
112 100
64 66.6 46.0 69.0
63 33.0 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: 26.772 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF098509.D

Acq: 14 Sep 2017 00:29

Instrument :

BNA_F

ClientSampleId :

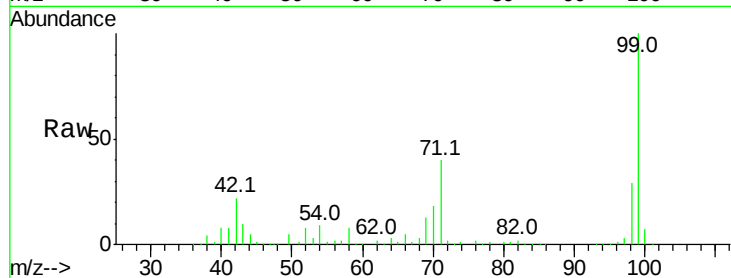
Tot Ion: 99 Resp: 370303

Ion Ratio Lower Upper

99 100

42 22.3 13.5 20.3#

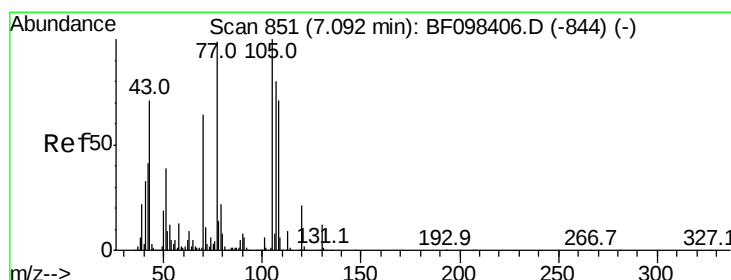
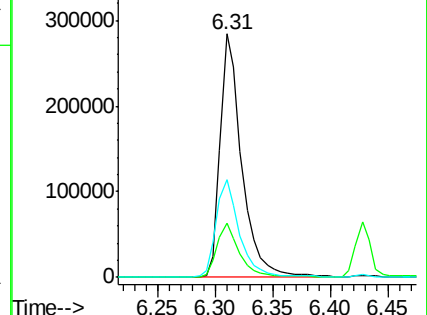
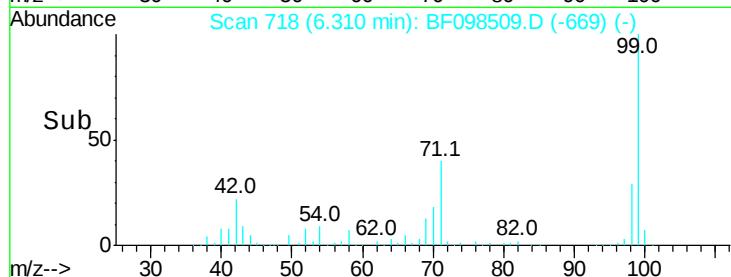
71 40.2 24.5 36.7#



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: 11.747 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.14 min

Lab File: BF098509.D

Acq: 14 Sep 2017 00:29

Tgt Ion: 70 Resp: 102202

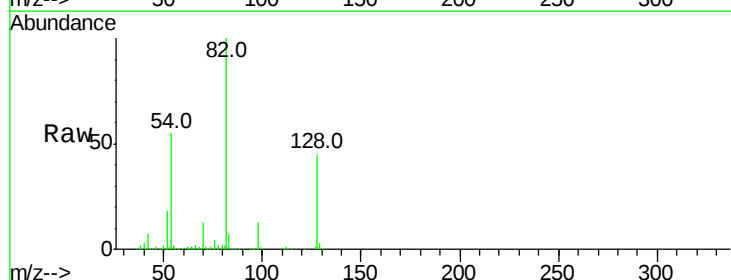
Ion Ratio Lower Upper

70 100

42 52.2 47.2 70.8

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

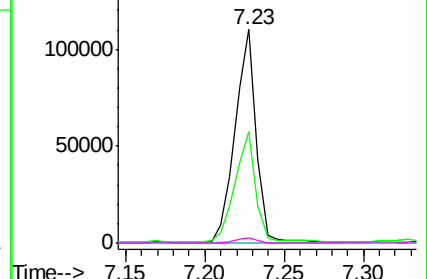
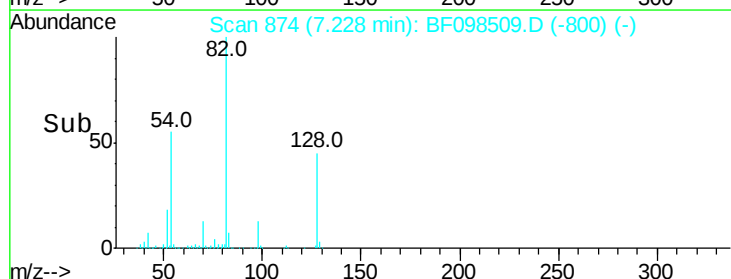


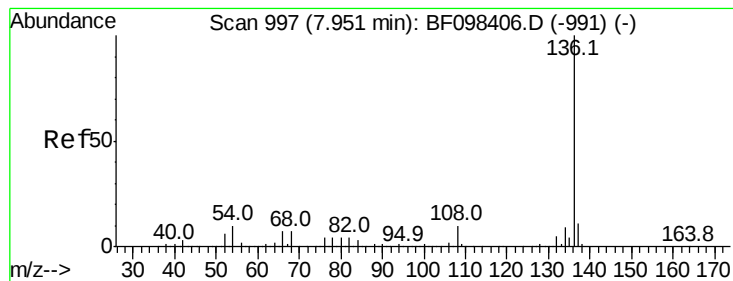
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 20.000 ng

RT: 7.94 min Scan# 995

Delta R.T. -0.01 min

Lab File: BF098509.D

Acq: 14 Sep 2017 00:29

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 632080

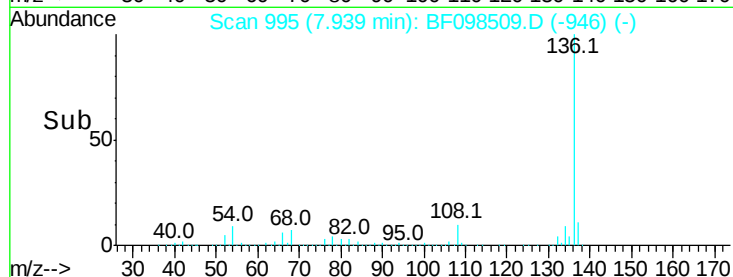
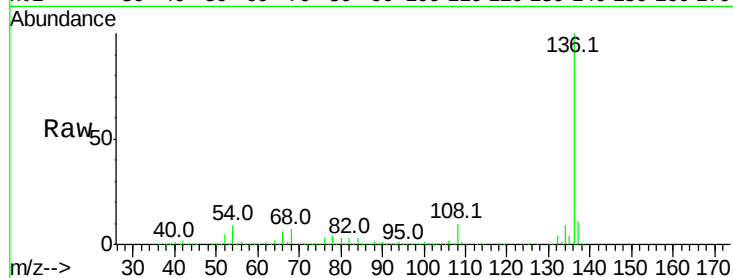
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 9.4 4.9 7.3#

68 6.6 4.1 6.1#

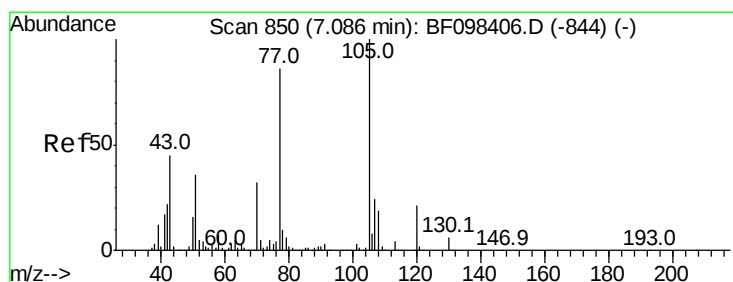
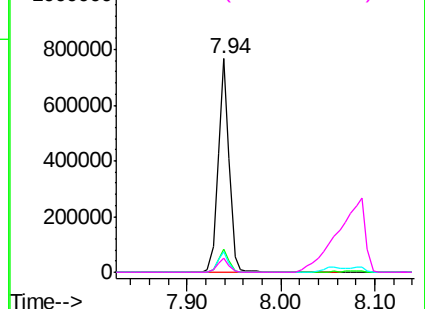


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 4.435 ng

RT: 7.07 min Scan# 847

Delta R.T. -0.02 min

Lab File: BF098509.D

Acq: 14 Sep 2017 00:29

Tgt Ion:105 Resp: 72448

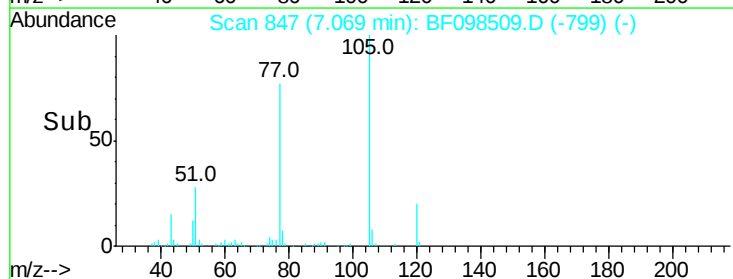
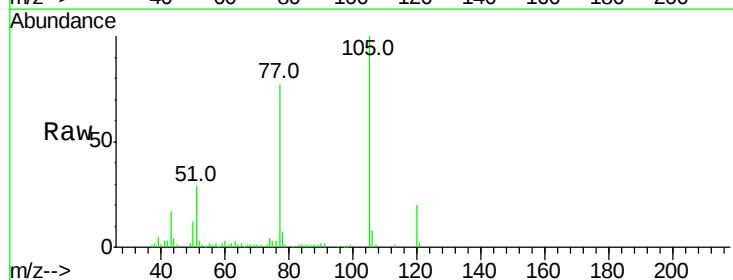
Ion Ratio Lower Upper

105 100

71 0.6 2.8 4.2#

51 28.9 30.7 46.1#

120 20.4 17.4 26.0

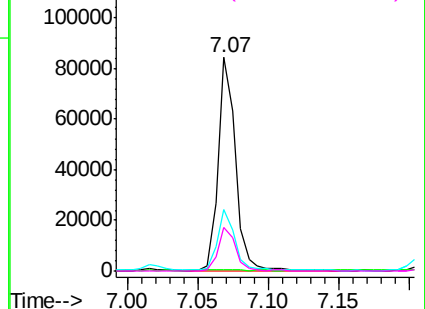


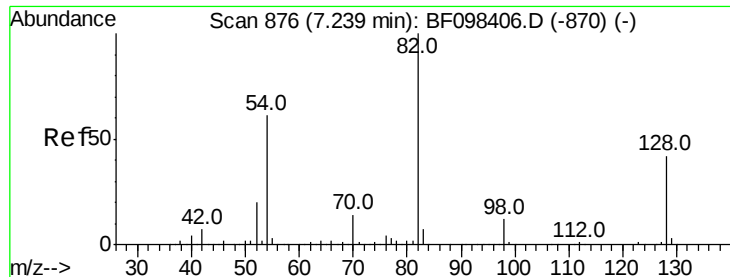
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

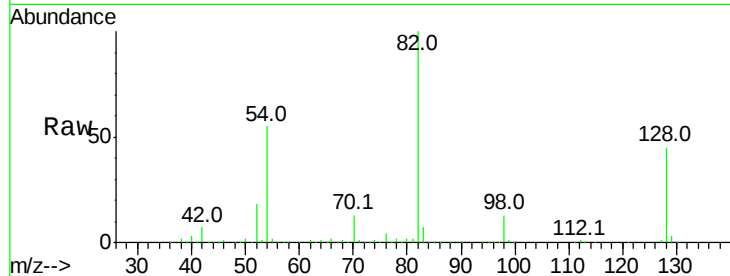




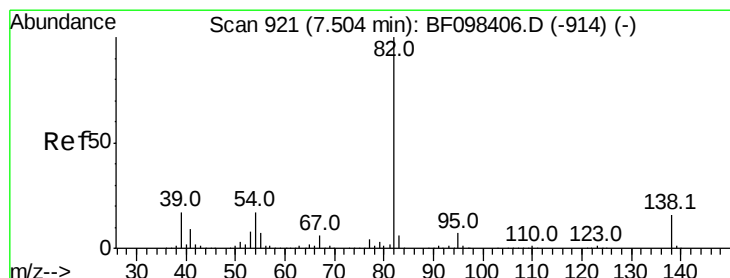
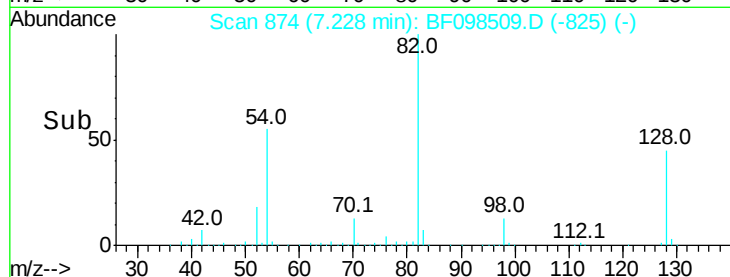
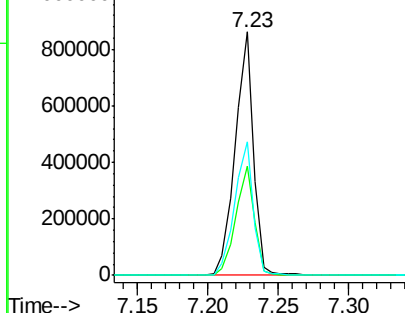
#23
Nitrobenzene-d5
Concen: 68.707 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF098509.D
Acq: 14 Sep 2017 00:29

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.8	34.0	51.0
54	54.9	42.2	63.2

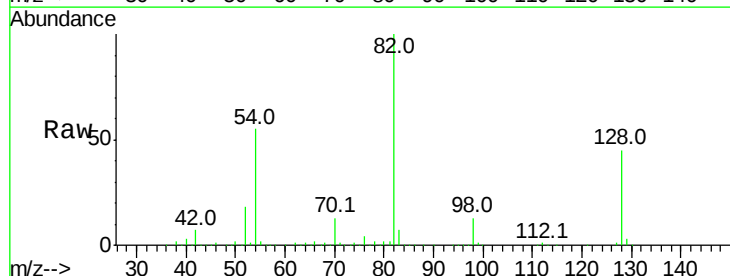


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

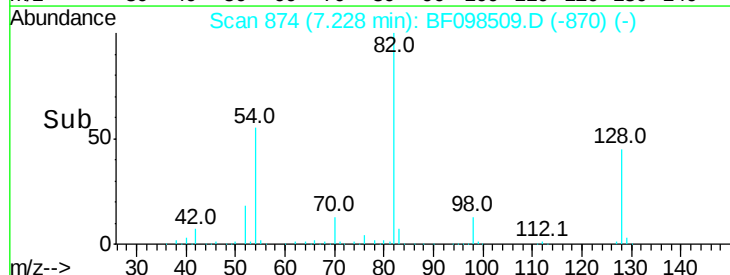
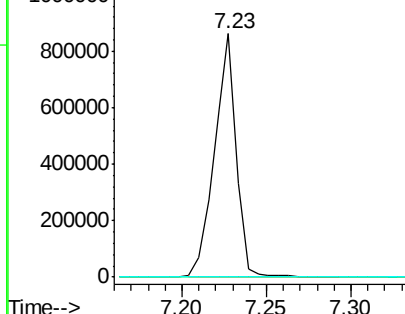


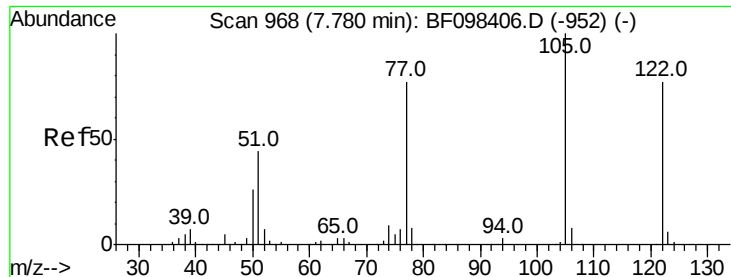
#25
Isophorone
Concen: 33.542 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.28 min
Lab File: BF098509.D
Acq: 14 Sep 2017 00:29

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



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

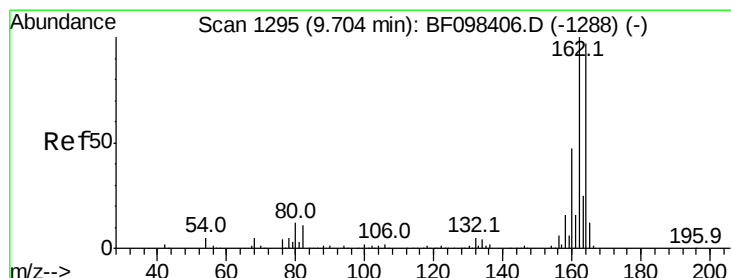
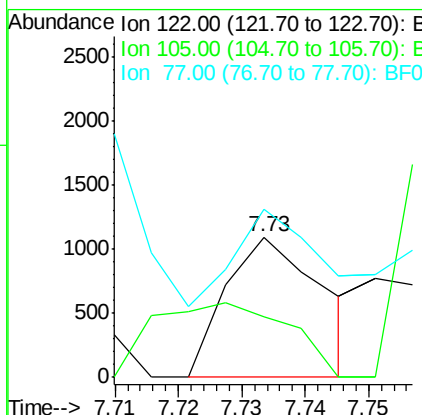
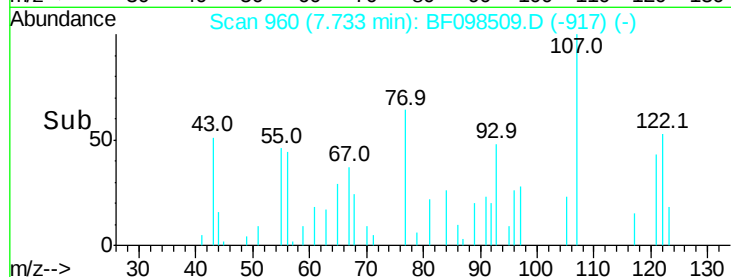
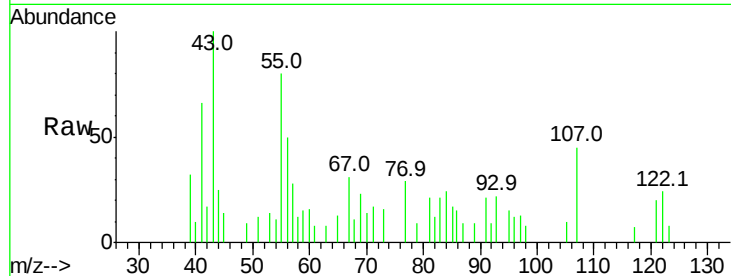




#32
 Benzoic acid
 Concen: 8.113 ng
 RT: 7.73 min Scan# 960
 Delta R.T. -0.05 min
 Lab File: BF098509.D
 Acq: 14 Sep 2017 00:29

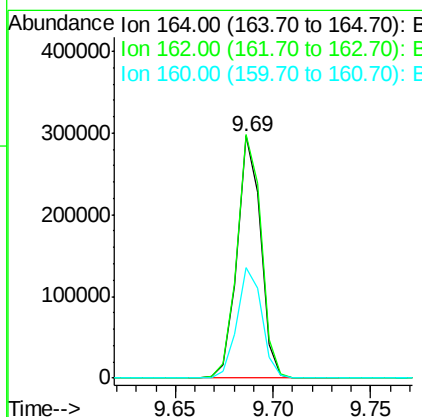
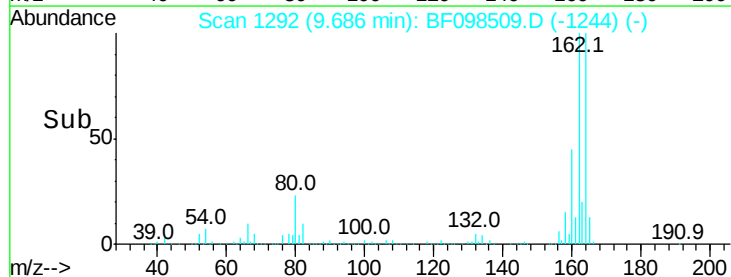
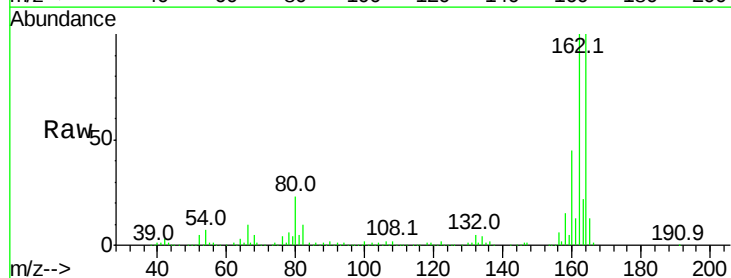
Instrument :
 BNA_F
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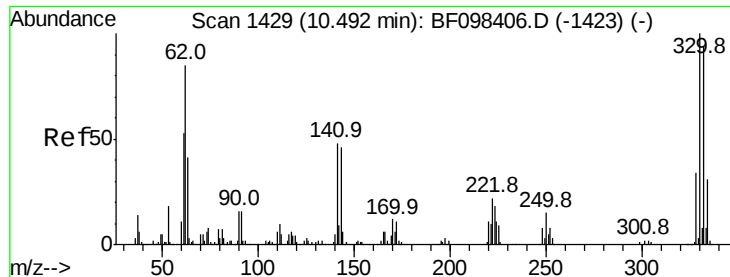
Tot Ion:122 Resp: 1151
 Ion Ratio Lower Upper
 122 100
 105 43.4 103.3 143.3#
 77 120.1 73.7 113.7#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.02 min
 Lab File: BF098509.D
 Acq: 14 Sep 2017 00:29

Tgt Ion:164 Resp: 248208
 Ion Ratio Lower Upper
 164 100
 162 100.5 82.6 123.8
 160 45.5 36.2 54.2

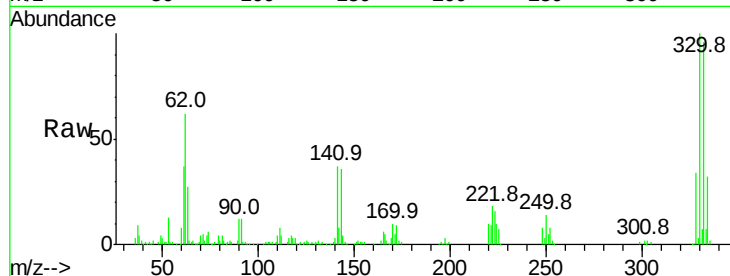




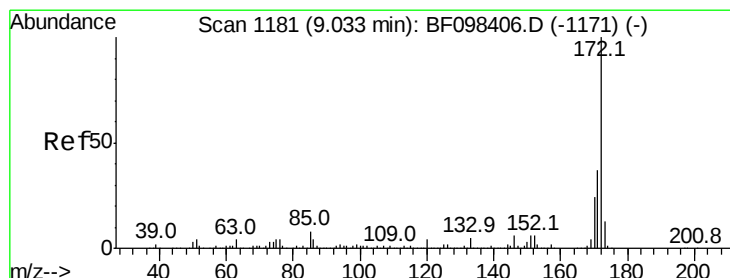
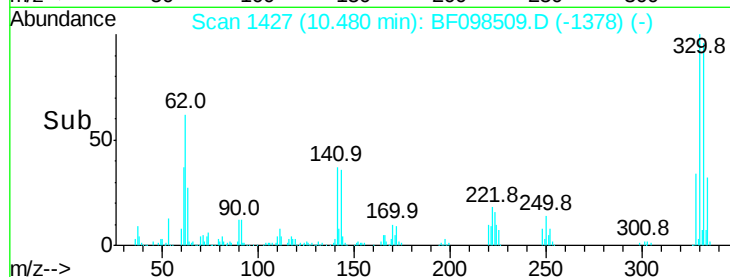
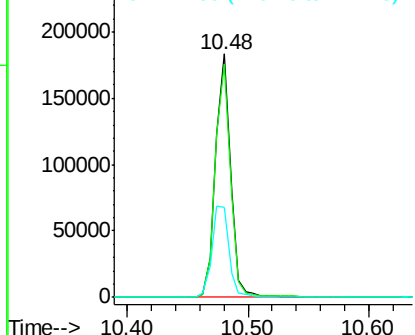
#41
 2,4,6-Tribromophenol
 Concen: 94.602 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF098509.D
 Acq: 14 Sep 2017 00:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 156716
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.6 115.0
 141 42.6 31.4 47.2

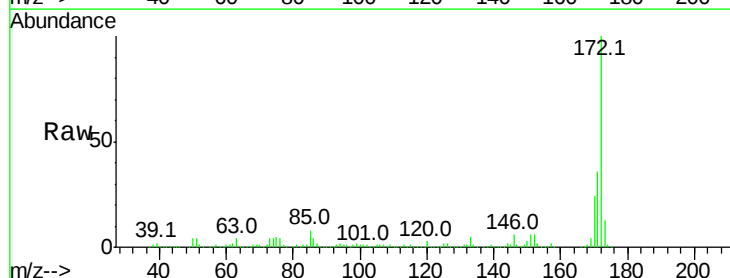


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

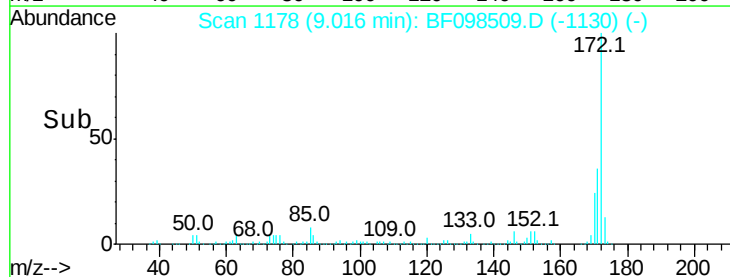
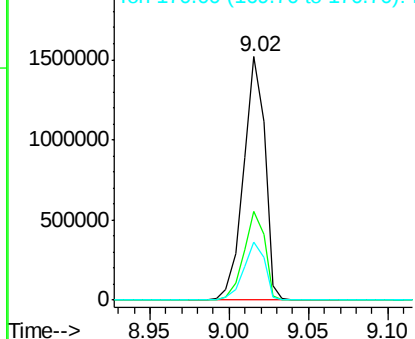


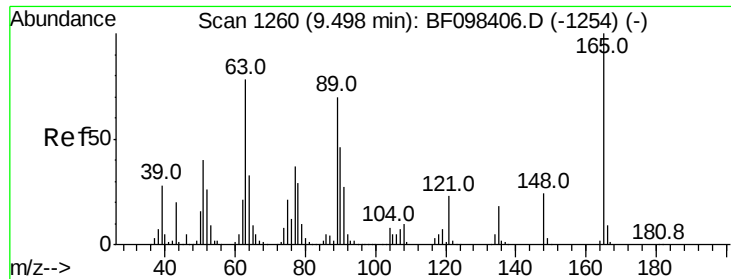
#44
 2-Fluorobiphenyl
 Concen: 96.204 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.02 min
 Lab File: BF098509.D
 Acq: 14 Sep 2017 00:29

Tgt Ion:172 Resp: 1408838
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 23.9 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

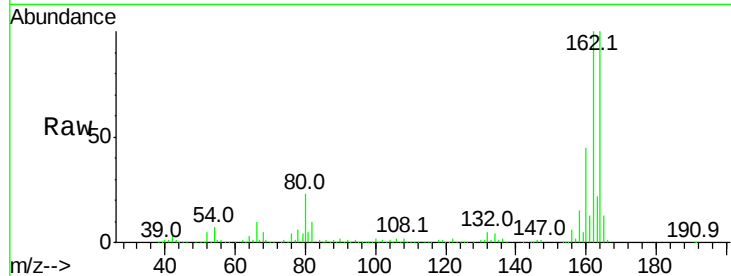




#50
 2,6-Dinitrotoluene
 Concen: 7.960 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. 0.19 min
 Lab File: BF098509.D
 Acq: 14 Sep 2017 00:29

Instrument :
 BNA_F
 ClientSampled :

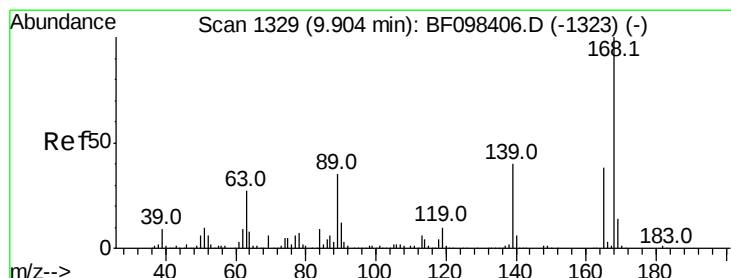
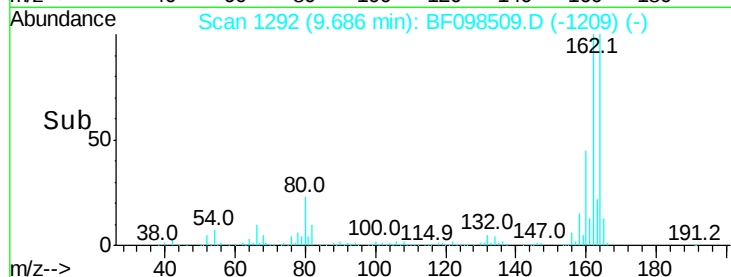
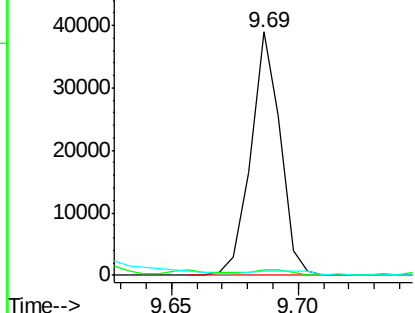
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	34.3	51.5#
89	1.8	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

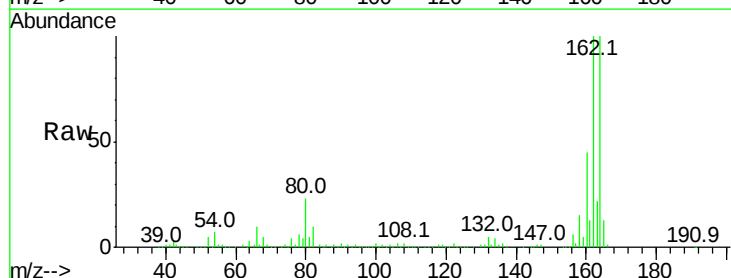
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.547 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.22 min
 Lab File: BF098509.D
 Acq: 14 Sep 2017 00:29

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	25.4	38.0#
89	1.8	46.4	69.6#
182	0.0	1.8	2.6#

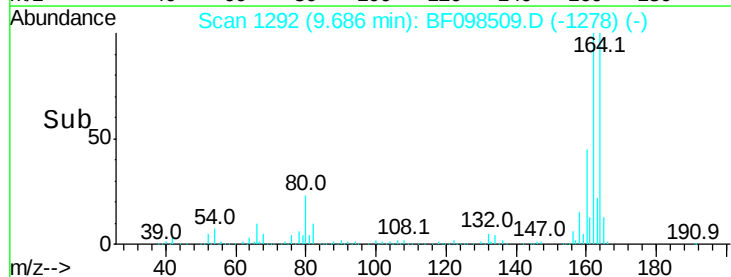
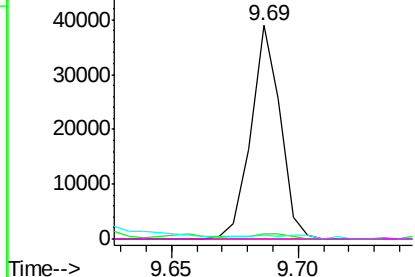


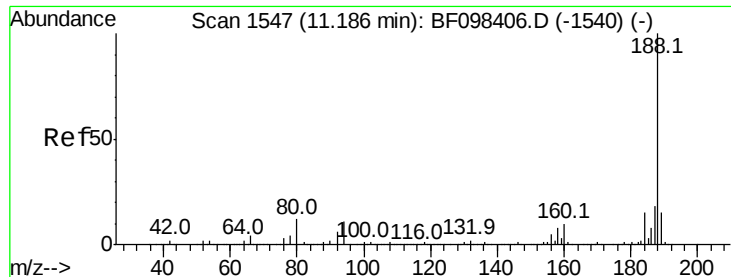
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

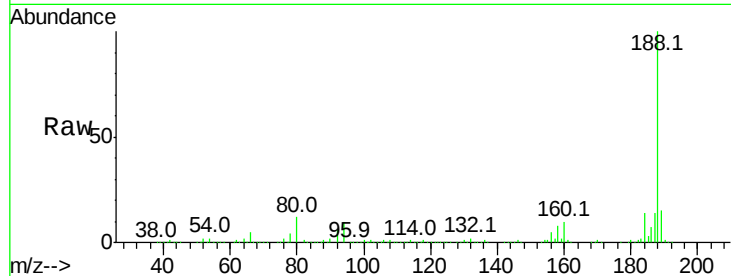




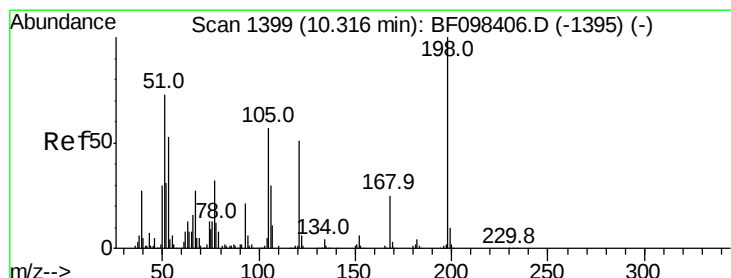
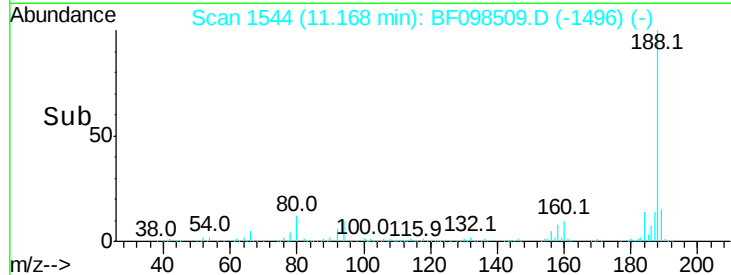
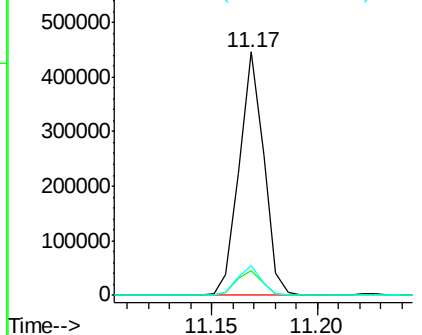
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.17 min Scan# 1544
 Delta R.T. -0.02 min
 Lab File: BF098509.D
 Acq: 14 Sep 2017 00:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 358203
 Ion Ratio Lower Upper
 188 100
 94 10.4 9.4 14.2
 80 12.0 10.2 15.2

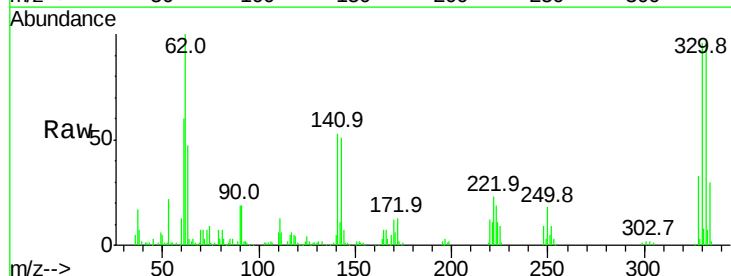


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

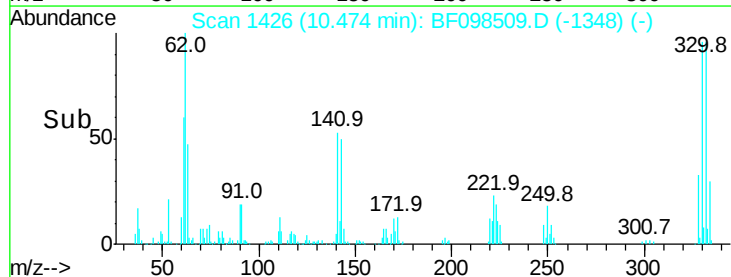
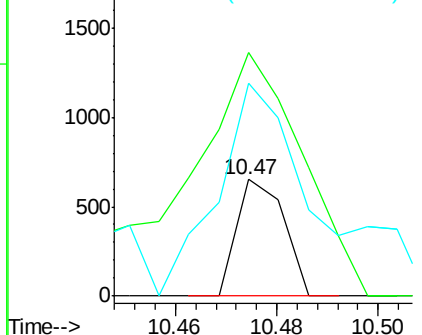


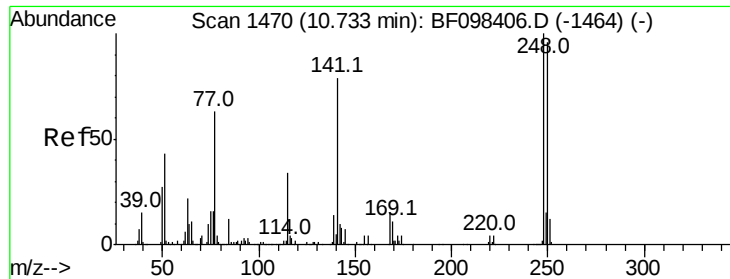
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.136 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. 0.16 min
 Lab File: BF098509.D
 Acq: 14 Sep 2017 00:29

Tgt Ion:198 Resp: 421
 Ion Ratio Lower Upper
 198 100
 51 208.7 53.2 93.2#
 105 182.2 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

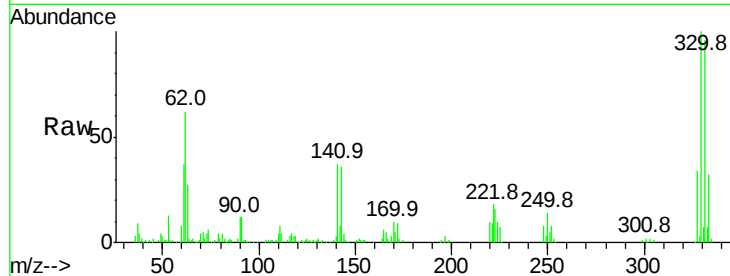




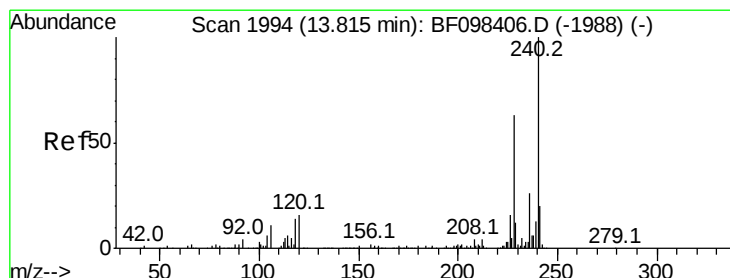
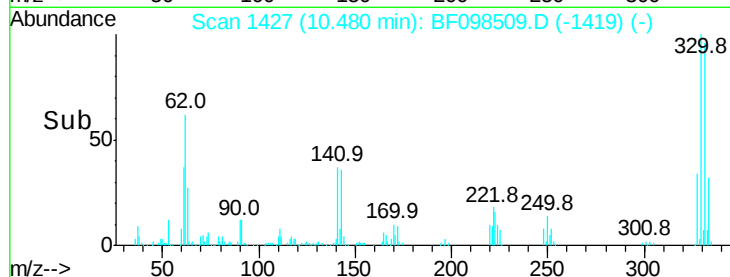
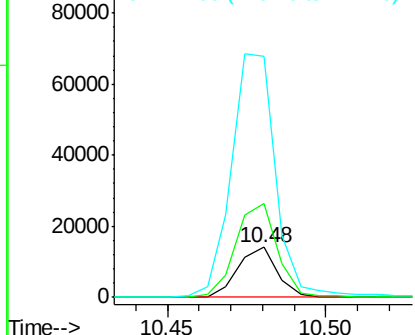
#66
 4-Bromophenyl-phenylether
 Concen: 3.514 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.25 min
 Lab File: BF098509.D
 Acq: 14 Sep 2017 00:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 11946
 Ion Ratio Lower Upper
 248 100
 250 186.8 76.8 115.2#
 141 479.8 68.6 103.0#

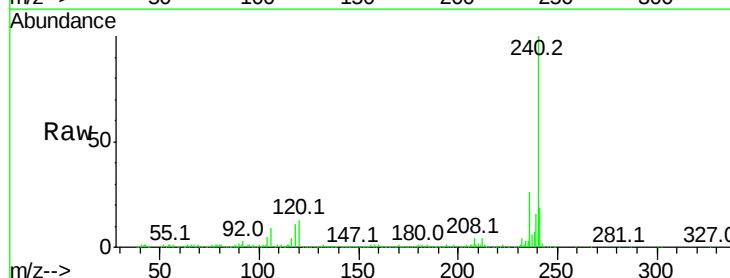


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

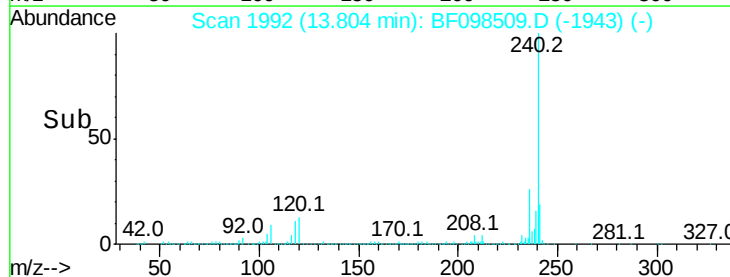
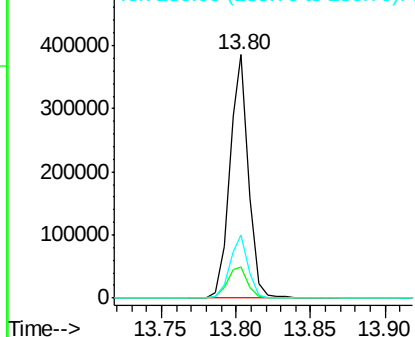


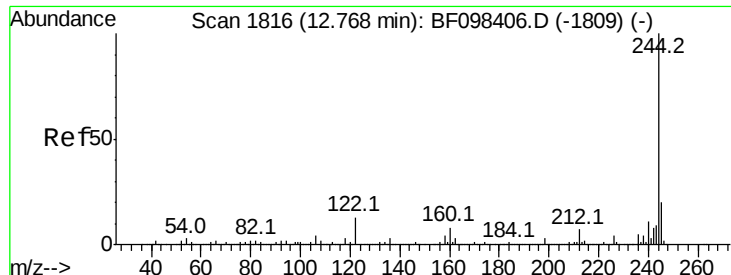
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.80 min Scan# 1992
 Delta R.T. -0.01 min
 Lab File: BF098509.D
 Acq: 14 Sep 2017 00:29

Tgt Ion:240 Resp: 338132
 Ion Ratio Lower Upper
 240 100
 120 12.7 5.8 8.8#
 236 26.0 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: 57.644 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BF098509.D

Acq: 14 Sep 2017 00:29

Instrument :

BNA_F

ClientSampleId :

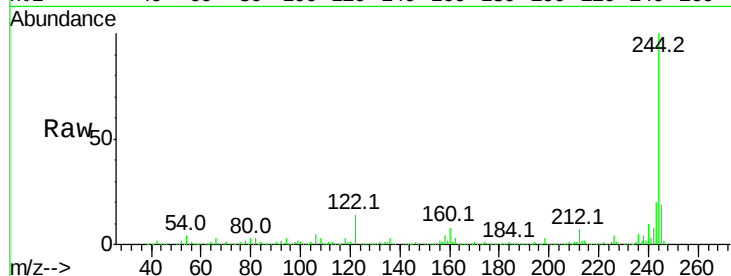
Tot Ion:244 Resp: 903023

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

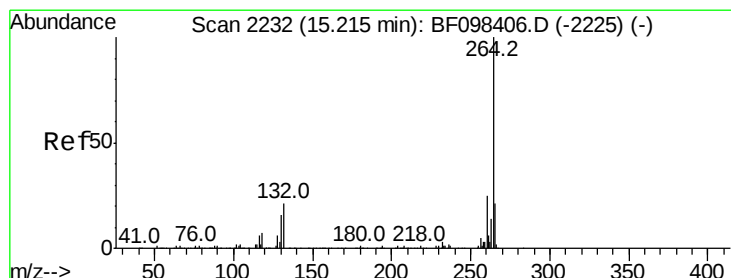
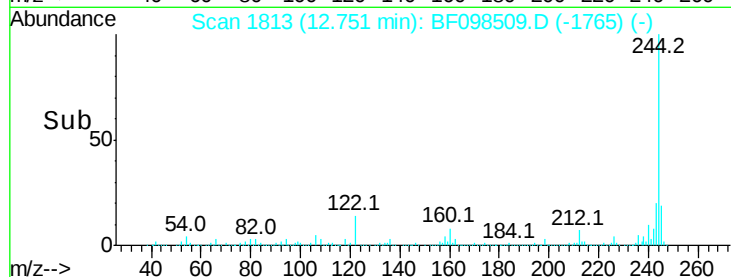
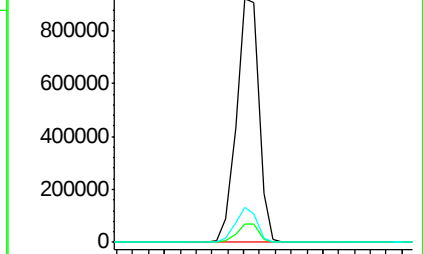
122 14.3 10.3 15.5



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: 20.000 ng

RT: 15.20 min Scan# 2230

Delta R.T. -0.01 min

Lab File: BF098509.D

Acq: 14 Sep 2017 00:29

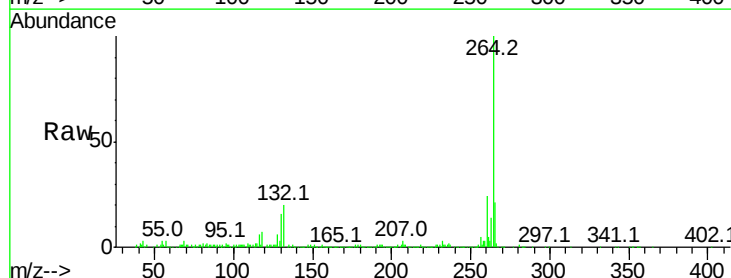
Tgt Ion:264 Resp: 268531

Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

265 21.5 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

