

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
 Data File : BF097359.D
 Acq On : 4 Aug 2017 16:48
 Operator : SJ/JU
 Sample : I4542-03MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A4129MSD

Quant Time: Aug 04 22:57:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.44	152	89865	20.00	ng	-0.06
21) Naphthalene-d8	7.72	136	397583	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	190228	20.00	ng	-0.07
63) Phenanthrene-d10	10.93	188	299648	20.00	ng	-0.07
75) Chrysene-d12	13.56	240	200590	20.00	ng	-0.07
86) Perylene-d12	14.89	264	55836	20.00	ng	-0.08

System Monitoring Compounds

5) 2-Fluorophenol	5.06	112	703769	118.06	ng	-0.04
7) Phenol-d6	6.12	99	806086	118.45	ng	-0.05
23) Nitrobenzene-d5	7.02	82	518629	76.52	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	178486	118.75	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	866303	77.29	ng	-0.07
78) Terphenyl-d14	12.52	244	783574	79.64	ng	-0.07

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.09	88	95009	38.19	ng	# 63
3) Pyridine	2.70	79	102631	13.47	ng	# 61
4) n-Nitrosodimethylamine	2.62	42	157693	37.37	ng	# 80
6) Aniline	6.12	93	67400	7.87	ng	# 1
8) 2-Chlorophenol	6.23	128	248464	38.98	ng	# 94
9) Benzaldehyde	5.99	77	125520	31.16	ng	# 97
10) Phenol	6.13	94	271925	33.69	ng	# 94
11) bis(2-Chloroethyl)ether	6.19	93	265886	41.65	ng	# 92
12) 1,3-Dichlorobenzene	6.38	146	239777	34.91	ng	# 98
13) 1,4-Dichlorobenzene	6.46	146	259449	38.11	ng	# 95
14) 1,2-Dichlorobenzene	6.61	146	234209	39.40	ng	# 97
15) Benzyl Alcohol	6.61	79	129753	30.11	ng	# 96
16) 2,2'-oxybis(1-Chloropropan	6.73	45	506723	39.57	ng	# 95
17) 2-Methylphenol	6.74	107	201159	40.89	ng	# 91
18) Hexachloroethane	6.95	117	94199	37.82	ng	# 83
19) n-Nitroso-di-n-propylamine	6.87	70	189205	42.24	ng	# 80
20) 3+4-Methylphenols	6.89	107	282278	43.93	ng	# 60
22) Acetophenone	6.86	105	369632	38.71	ng	# 97
24) Nitrobenzene	7.03	77	261136	37.00	ng	# 91
25) Isophorone	7.27	82	535109	40.32	ng	# 97
26) 2-Nitrophenol	7.35	139	157687	41.29	ng	# 88
27) 2,4-Dimethylphenol	7.41	122	245867	39.03	ng	# 97
28) bis(2-Chloroethoxy)methane	7.49	93	261852	30.23	ng	# 98
29) 2,4-Dichlorophenol	7.60	162	225526	41.56	ng	# 95
30) 1,2,4-Trichlorobenzene	7.67	180	189303	36.60	ng	# 98
31) Naphthalene	7.75	128	715785	38.19	ng	# 99
32) Benzoic acid	7.58	122	168057	35.73	ng	# 94
34) Hexachlorobutadiene	7.86	225	98491	35.92	ng	# 97
35) Caprolactam	8.19	113	40860	23.48	ng	# 60
36) 4-Chloro-3-methylphenol	8.32	107	229217	38.72	ng	# 87
37) 2-Methylnaphthalene	8.43	142	511705	43.12	ng	# 99
39) 1,2,4,5-Tetrachlorobenzene	8.60	216	175915	34.66	ng	# 99
40) Hexachlorocyclopentadiene	8.59	237	99725	58.15	ng	# 95
42) 2,4,6-Trichlorophenol	8.73	196	134419	36.54	ng	# 98

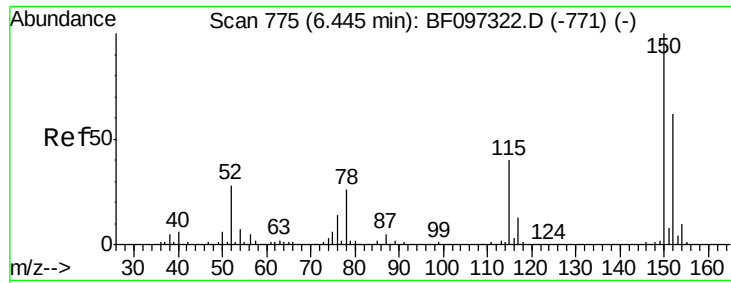
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	8.77	196	131930	35.83	nq	98
45) 1,1'-Biphenyl	8.90	154	588207	36.20	nq	98
46) 2-Chloronaphthalene	8.92	162	441994	36.97	nq	# 94
47) 2-Nitroaniline	9.03	65	152175	35.07	nq	94
48) Acenaphthylene	9.33	152	628553	34.25	nq	99
49) Dimethylphthalate	9.20	163	567971	39.32	nq	100
50) 2,6-Dinitrotoluene	9.27	165	118596	38.71	nq	# 72
51) Acenaphthene	9.50	154	434173	40.16	nq	98
52) 3-Nitroaniline	9.44	138	31571	8.30	nq	89
53) 2,4-Dinitrophenol	9.56	184	129379	92.87	nq	# 74
54) Dibenzofuran	9.67	168	613690	42.62	nq	96
55) 4-Nitrophenol	9.64	139	112396	49.70	nq	# 69
56) 2,4-Dinitrotoluene	9.68	165	157135	44.61	nq	# 80
57) Fluorene	10.01	166	454036	41.95	nq	99
58) 2,3,4,6-Tetrachlorophenol	9.80	232	109075	42.91	nq	# 97
59) Diethylphthalate	9.90	149	542962	40.97	nq	99
60) 4-Chlorophenyl-phenylether	10.00	204	183769	41.12	nq	99
61) 4-Nitroaniline	10.05	138	56766	15.71	nq	92
62) Azobenzene	10.16	77	489485	39.81	nq	92
64) 4,6-Dinitro-2-methylphenol	10.09	198	86886	46.66	nq	91
65) n-Nitrosodiphenylamine	10.13	169	162166	15.55	nq	97
66) 4-Bromophenyl-phenylether	10.49	248	127203	42.54	nq	95
67) Hexachlorobenzene	10.56	284	130101	38.80	nq	# 85
69) Pentachlorophenol	10.76	266	101767	73.35	nq	98
70) Phenanthrene	10.96	178	717109	44.67	nq	98
71) Anthracene	11.01	178	704350	42.83	nq	99
72) Carbazole	11.17	167	191832	11.86	nq	95
73) Di-n-butylphthalate	11.51	149	907952	45.42	nq	99
74) Fluoranthene	12.14	202	671492	42.69	nq	98
77) Pyrene	12.36	202	687012	41.84	nq	99
79) Butylbenzylphthalate	12.99	149	339780	40.68	nq	# 78
80) Benzo(a)anthracene	13.54	228	524556	40.42	nq	99
82) Chrysene	13.58	228	545340	43.03	nq	100
83) Bis(2-ethylhexyl)phthalate	13.56	149	455571	41.77	nq	98
84) Di-n-octyl phthalate	14.16	149	782922	39.12	nq	# 93
85) Indeno(1,2,3-cd)pyrene	16.09	276	299705	27.58	nq	96
87) Benzo(b)fluoranthene	14.54	252	479744	142.93	nq	98
88) Benzo(k)fluoranthene	14.57	252	361708	113.09	nq	# 95
89) Benzo(a)pyrene	14.84	252	319667	104.06	nq	97
90) Dibenzo(a,h)anthracene	16.09	278	316528	125.65	nq	95
91) Benzo(g,h,i)perylene	16.44	276	277327	104.98	nq	98

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

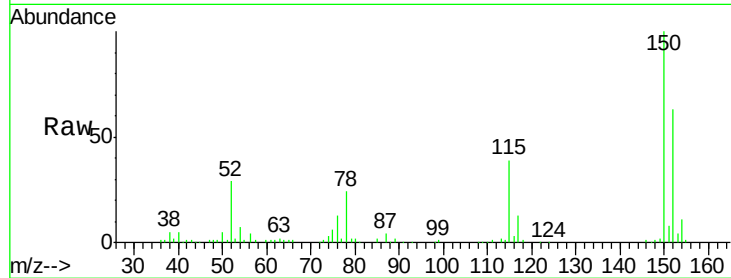


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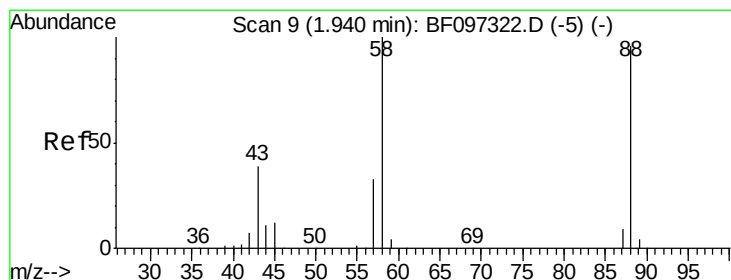
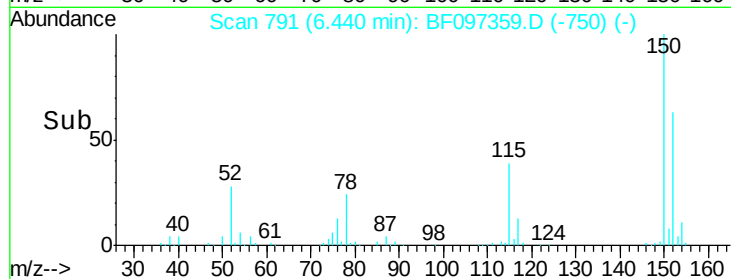
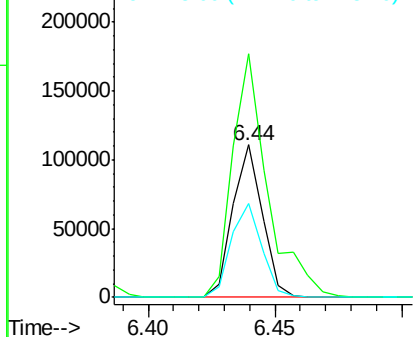
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.44 min Scan# 791
Delta R.T. -0.06 min
Lab File: BF097359.D
Acq: 4 Aug 2017 16:48

Instrument :
BNA_F
ClientSampleId :
A4129MSD

Tot Ion:152 Resp: 89865
Ion Ratio Lower Upper
152 100
150 159.7 126.2 189.2
115 61.8 52.2 78.2



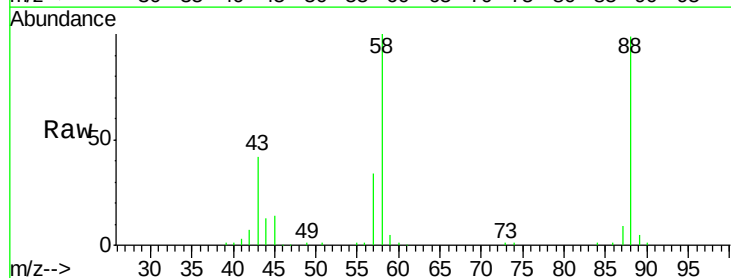
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



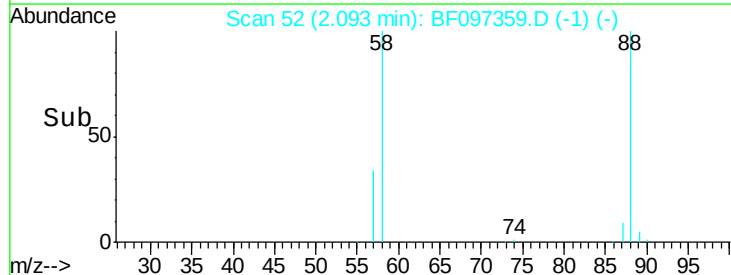
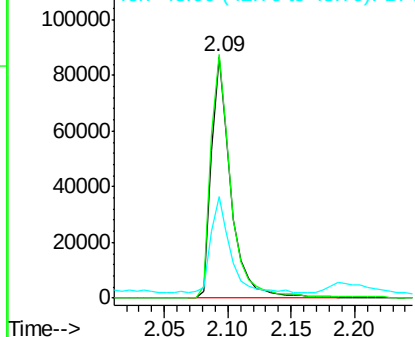
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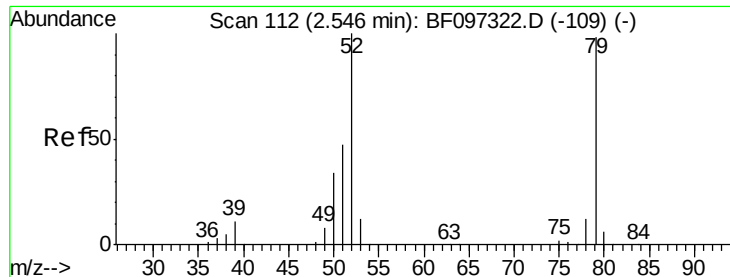
1,4-Dioxane
Concen: 38.19 ng
RT: 2.09 min Scan# 52
Delta R.T. 0.05 min
Lab File: BF097359.D
Acq: 4 Aug 2017 16:48

Tgt Ion: 88 Resp: 95009
Ion Ratio Lower Upper
88 100
58 102.9 61.4 92.0#
43 0.0 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 13.47 ng

RT: 2.70 min Scan# 155

Delta R.T. 0.04 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

Instrument :

BNA_F

ClientSampleId :

A4129MSD

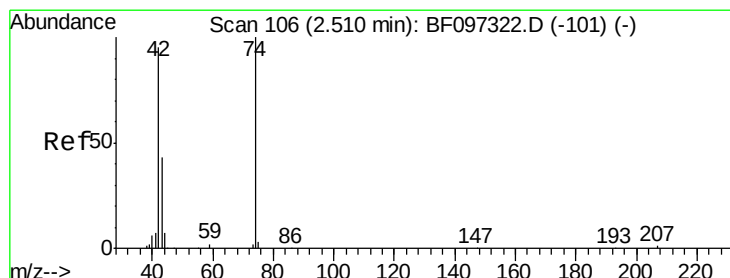
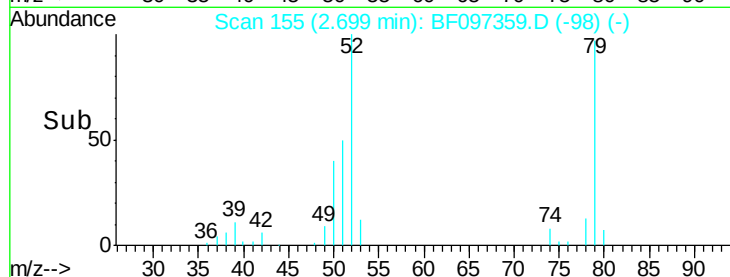
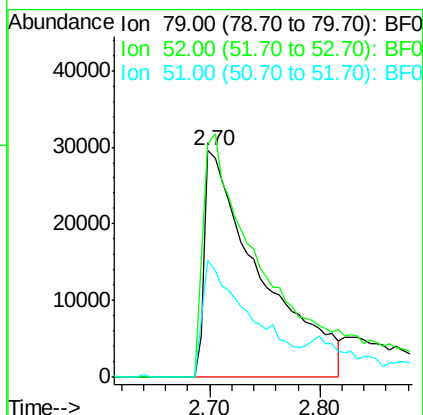
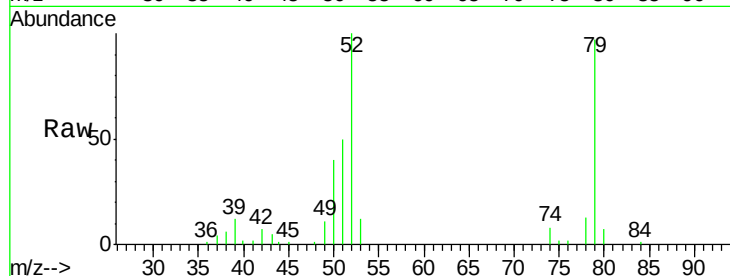
Tot Ion: 79 Resp: 102631

Ion Ratio Lower Upper

79 100

52 103.0 54.8 82.2#

51 51.5 27.0 40.4#



#4

n-Nitrosodimethylamine

Concen: 37.37 ng

RT: 2.62 min Scan# 141

Delta R.T. -0.01 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

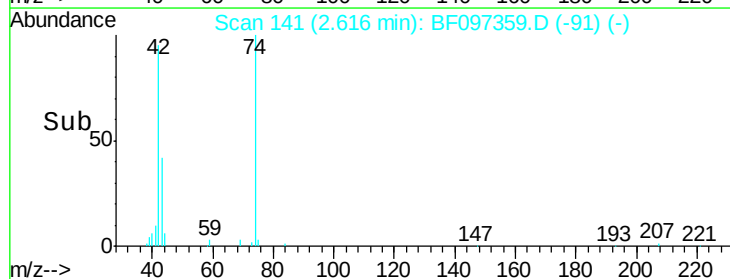
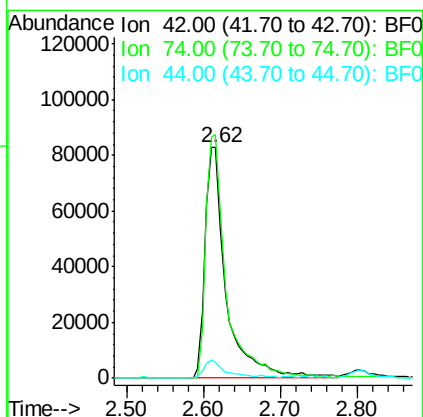
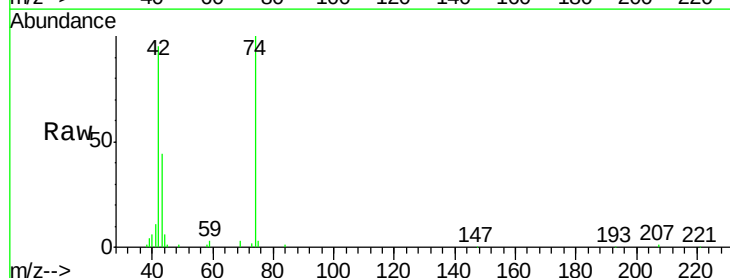
Tgt Ion: 42 Resp: 157693

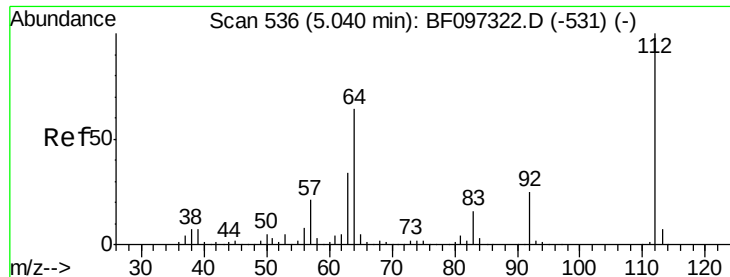
Ion Ratio Lower Upper

42 100

74 105.7 103.9 155.9

44 6.7 5.7 8.5





#5

2-Fluorophenol

Concen: 118.06 ng

RT: 5.06 min Scan# 556

Delta R.T. -0.04 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

Instrument :

BNA_F

ClientSampleId :

A4129MSD

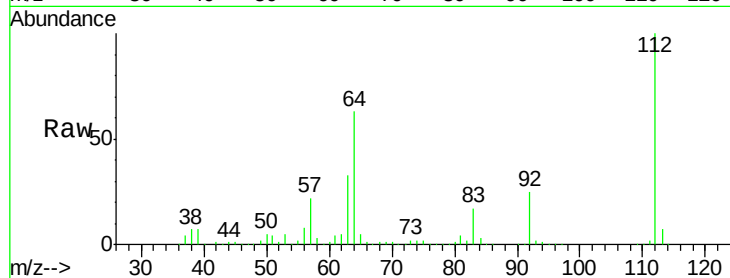
Tot Ion:112 Resp: 703769

Ion Ratio Lower Upper

112 100

64 63.2 46.0 69.0

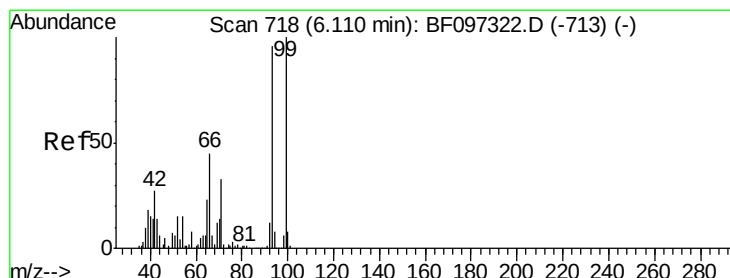
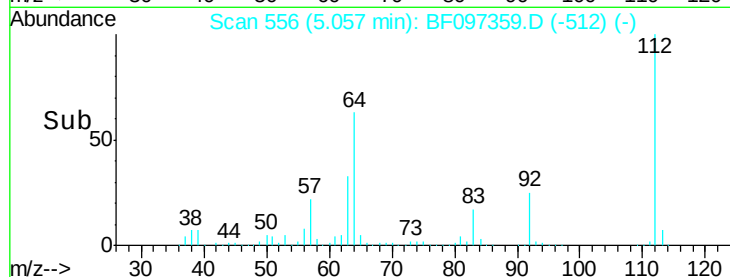
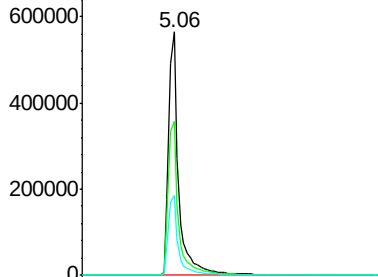
63 32.6 23.4 35.0



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



#6

Aniline

Concen: 7.87 ng

RT: 6.12 min Scan# 737

Delta R.T. -0.04 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

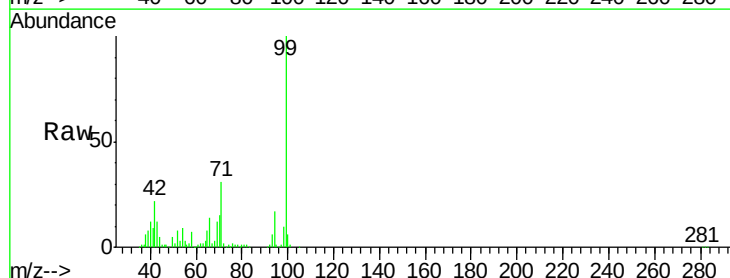
Tgt Ion: 93 Resp: 67400

Ion Ratio Lower Upper

93 100

66 213.6 32.9 49.3#

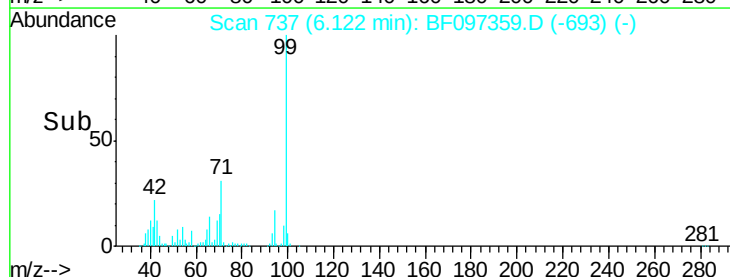
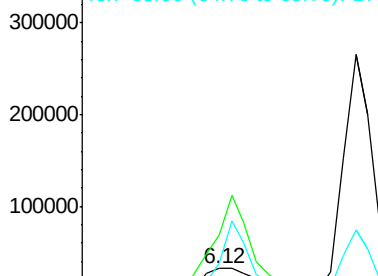
65 117.7 16.0 24.0#

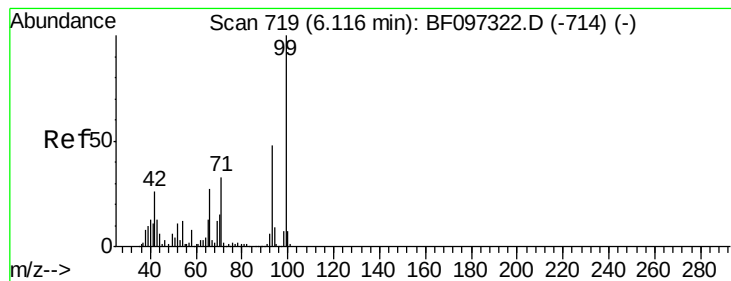


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 118.45 ng

RT: 6.12 min Scan# 736

Delta R.T. -0.05 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

Instrument :

BNA_F

ClientSampleId :

A4129MSD

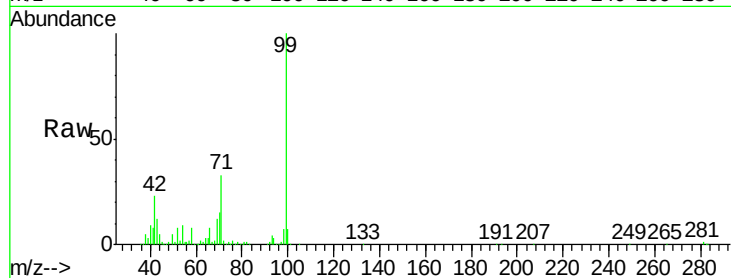
Tot Ion: 99 Resp: 806086

Ion Ratio Lower Upper

99 100

42 23.4 13.5 20.3#

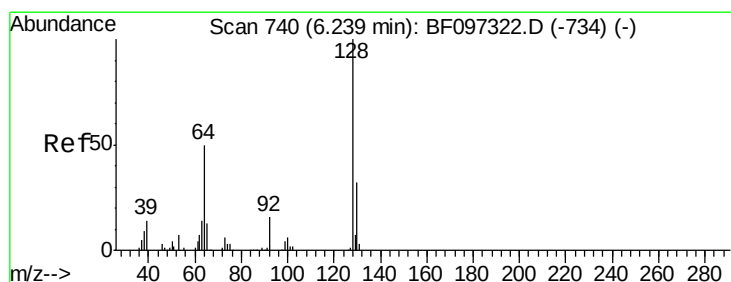
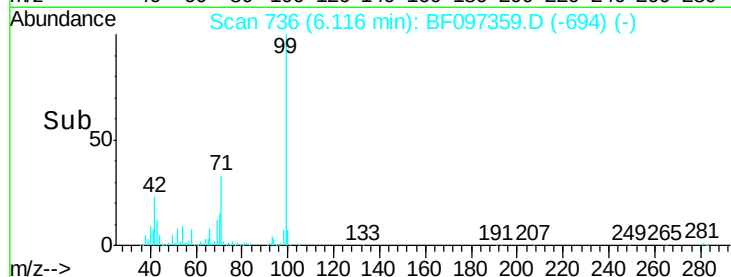
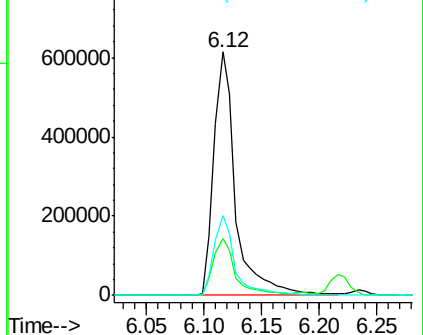
71 32.9 24.5 36.7



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



#8

2-Chlorophenol

Concen: 38.98 ng

RT: 6.23 min Scan# 756

Delta R.T. -0.06 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

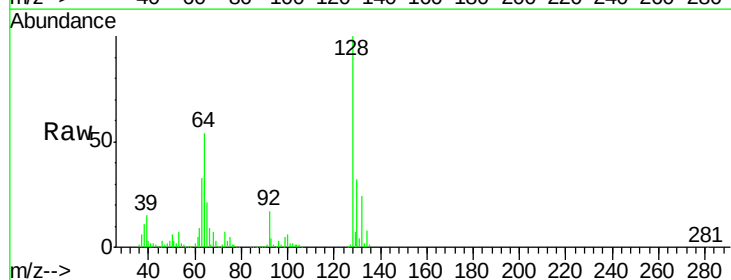
Tgt Ion: 128 Resp: 248464

Ion Ratio Lower Upper

128 100

130 32.1 12.9 52.9

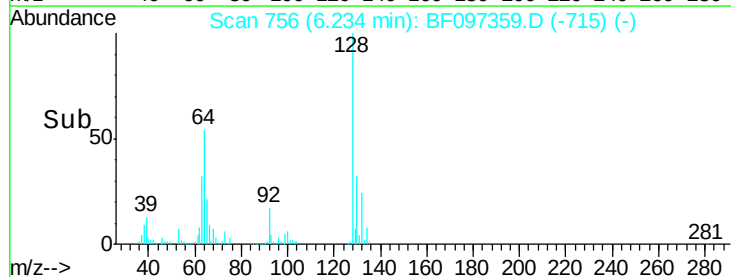
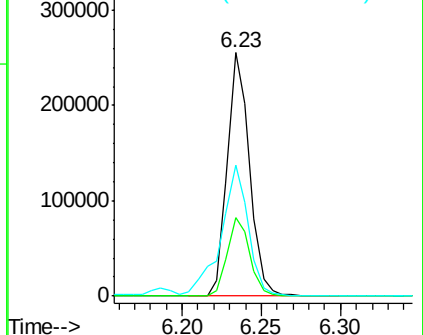
64 54.0 28.4 68.4

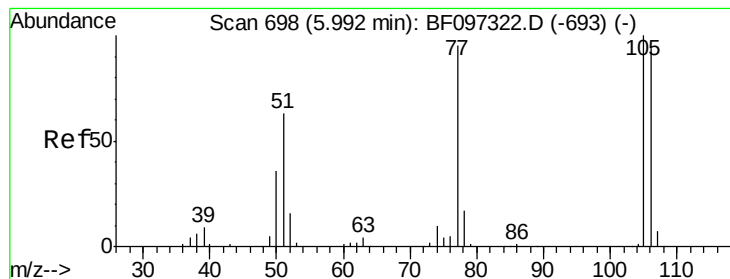


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 31.16 ng

RT: 5.99 min Scan# 714

Delta R.T. -0.06 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

Instrument :

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A4129MSD

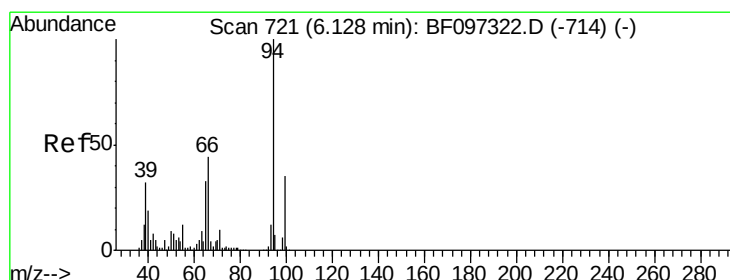
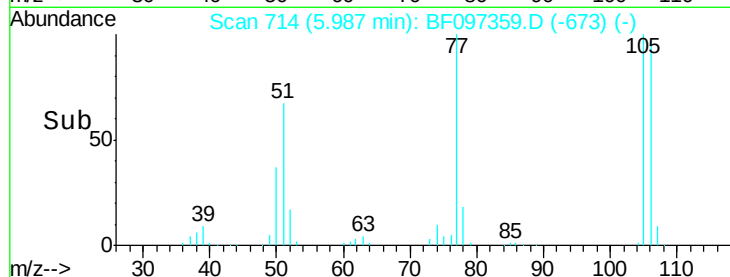
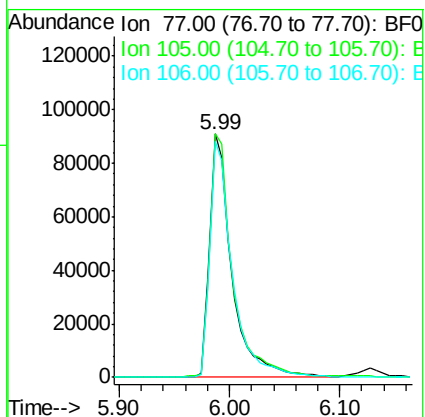
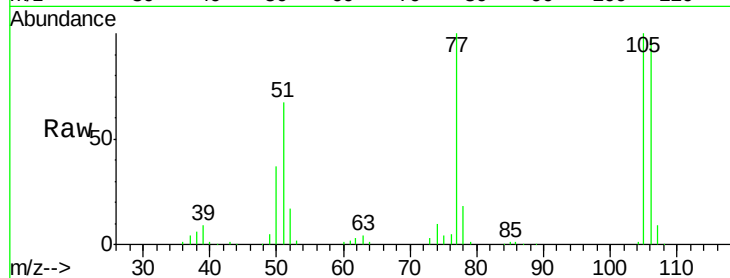
Tot Ion: 77 Resp: 125520

Ion Ratio Lower Upper

77 100

105 100.1 83.8 123.8

106 96.9 79.1 119.1



#10

Phenol

Concen: 33.69 ng

RT: 6.13 min Scan# 738

Delta R.T. -0.05 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

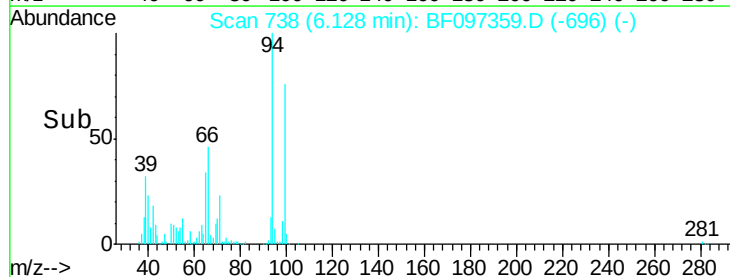
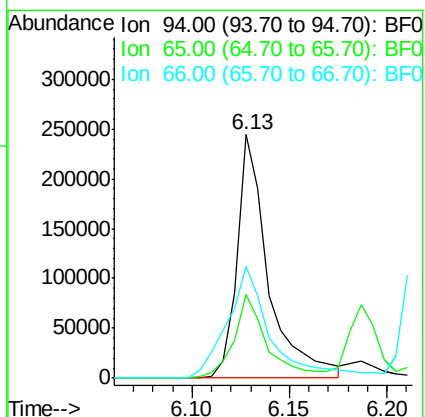
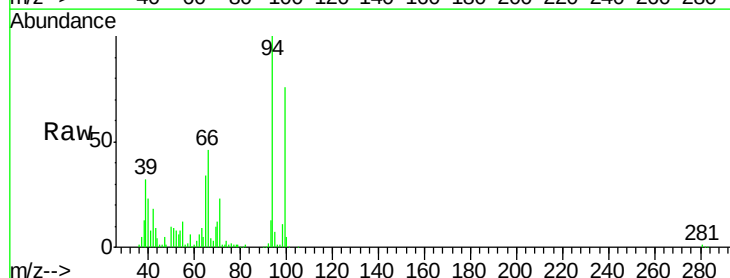
Tgt Ion: 94 Resp: 271925

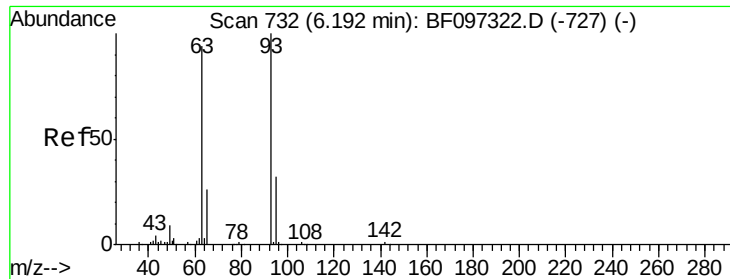
Ion Ratio Lower Upper

94 100

65 34.2 9.9 49.9

66 46.0 23.1 63.1

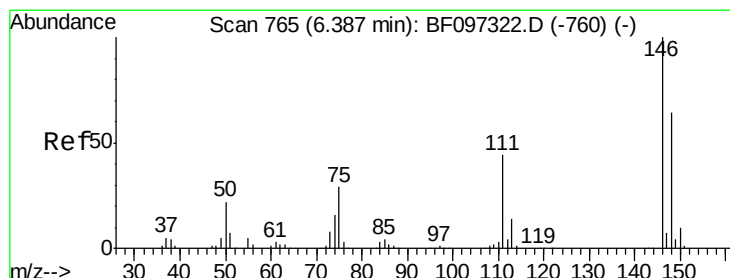
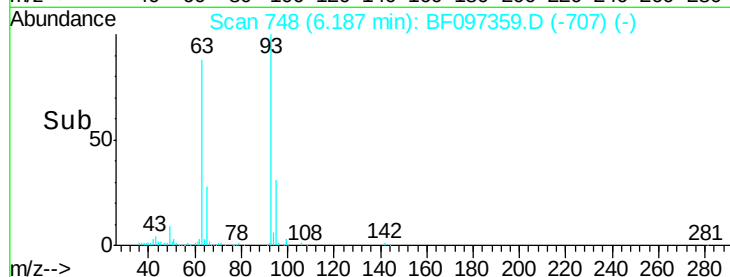
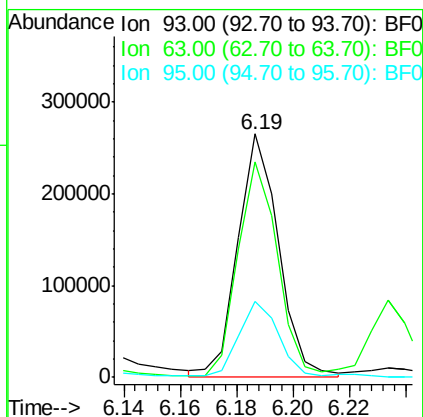
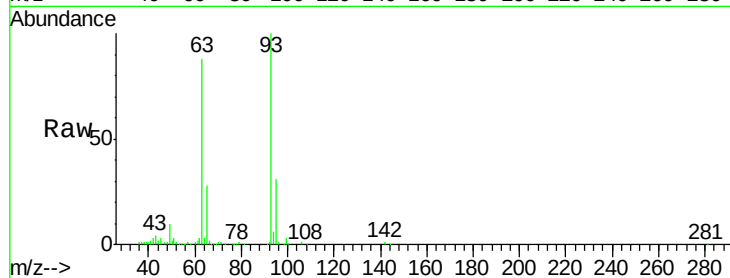




#11
bis(2-Chloroethyl)ether
Concen: 41.65 ng
RT: 6.19 min Scan# 748
Delta R.T. -0.06 min
Lab File: BF097359.D
Acq: 4 Aug 2017 16:48

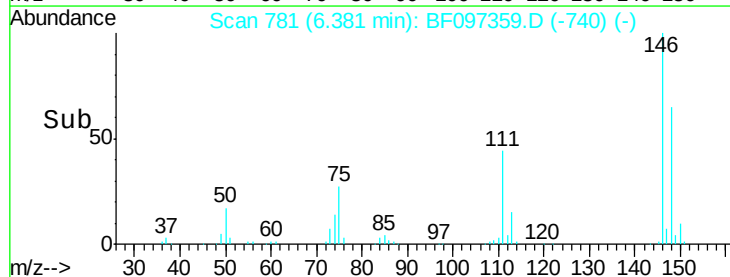
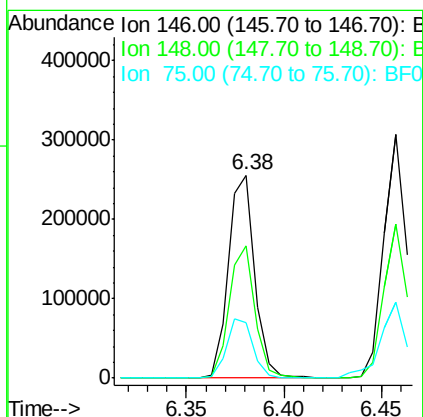
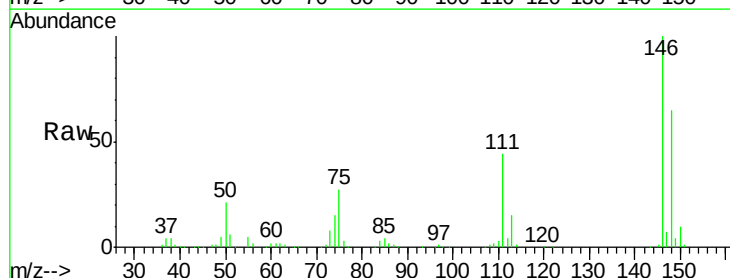
Instrument :
BNA_F
ClientSampleId :
A4129MSD

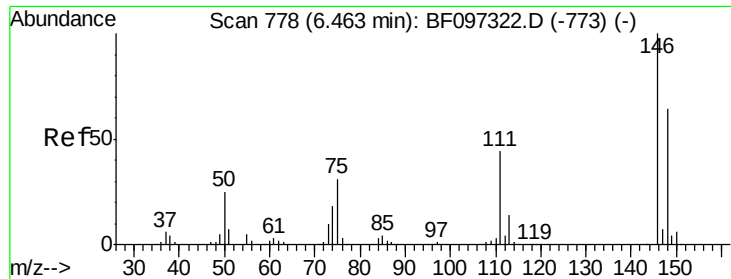
Tot Ion: 93 Resp: 265886
Ion Ratio Lower Upper
93 100
63 88.4 59.2 99.2
95 31.1 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 34.91 ng
RT: 6.38 min Scan# 781
Delta R.T. -0.06 min
Lab File: BF097359.D
Acq: 4 Aug 2017 16:48

Tgt Ion: 146 Resp: 239777
Ion Ratio Lower Upper
146 100
148 65.4 51.8 77.6
75 27.3 23.1 34.7

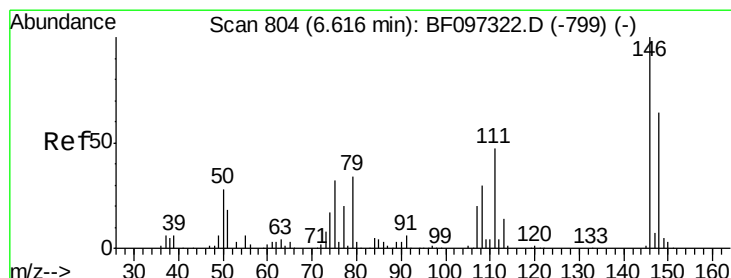
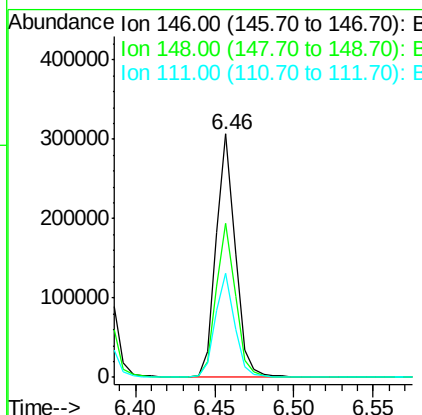
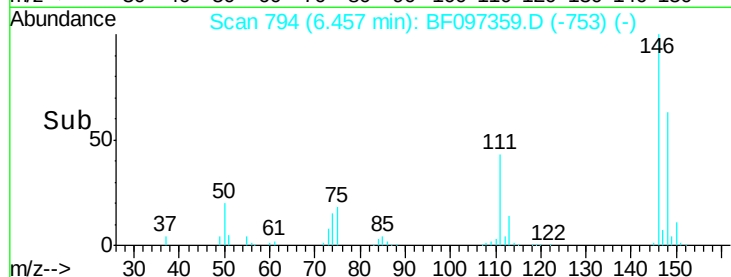
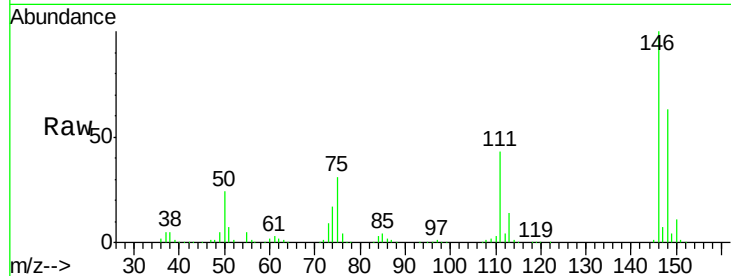




#13
 1,4-Dichlorobenzene
 Concen: 38.11 ng
 RT: 6.46 min Scan# 794
 Delta R.T. -0.06 min
 Lab File: BF097359.D
 Acq: 4 Aug 2017 16:48

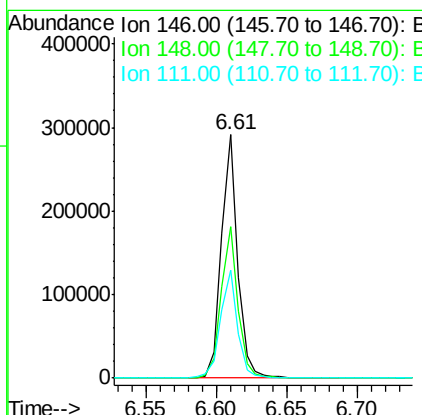
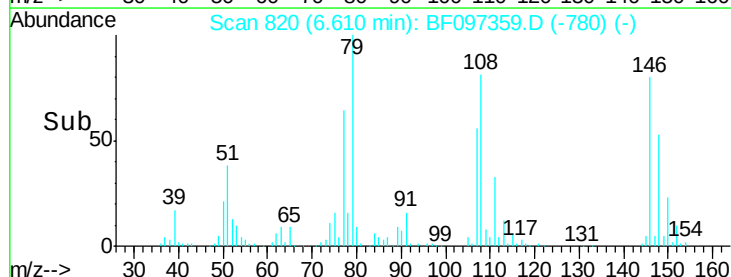
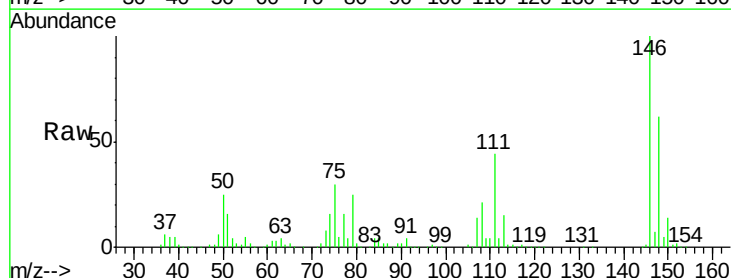
Instrument :
 BNA_F
 ClientSampleId :
 A4129MSD

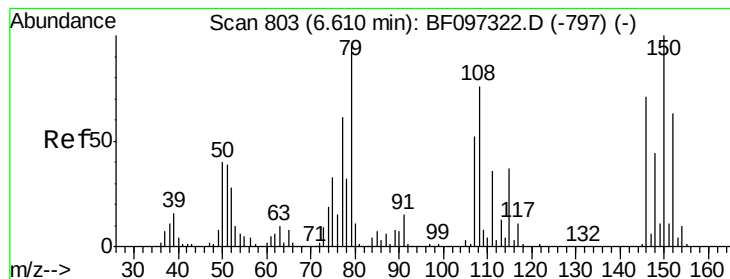
Tot Ion:146 Resp: 259449
 Ion Ratio Lower Upper
 146 100
 148 63.1 52.2 78.2
 111 42.8 30.3 45.5



#14
 1,2-Dichlorobenzene
 Concen: 39.40 ng
 RT: 6.61 min Scan# 820
 Delta R.T. -0.06 min
 Lab File: BF097359.D
 Acq: 4 Aug 2017 16:48

Tgt Ion:146 Resp: 234209
 Ion Ratio Lower Upper
 146 100
 148 62.2 50.4 75.6
 111 44.3 38.2 57.4





#15

Benzyl Alcohol

Concen: 30.11 ng

RT: 6.61 min Scan# 820

Delta R.T. -0.05 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

Instrument :

BNA_F

ClientSampleId :

A4129MSD

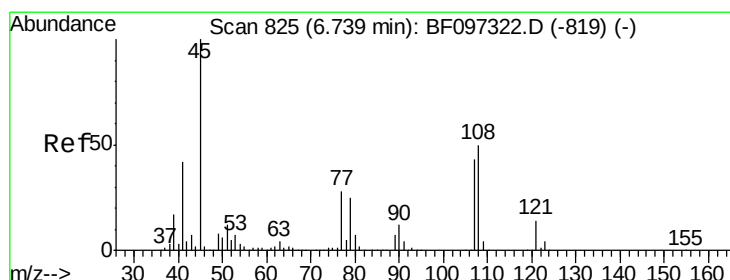
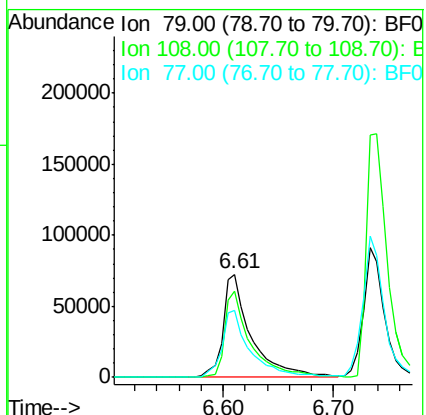
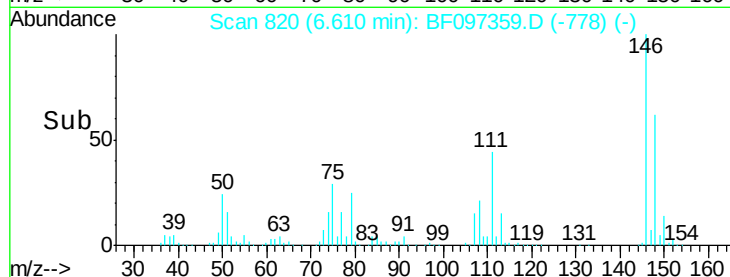
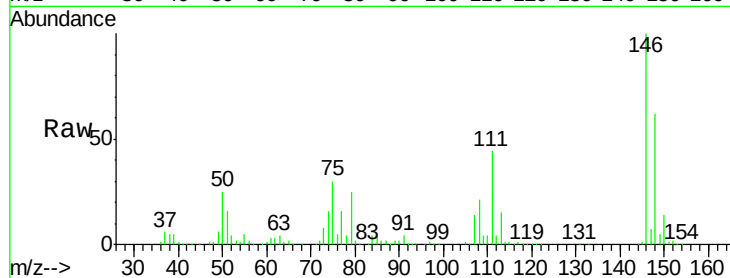
Tot Ion: 79 Resp: 129753

Ion Ratio Lower Upper

79 100

108 83.3 63.4 95.0

77 64.4 49.2 73.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 39.57 ng

RT: 6.73 min Scan# 840

Delta R.T. -0.06 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

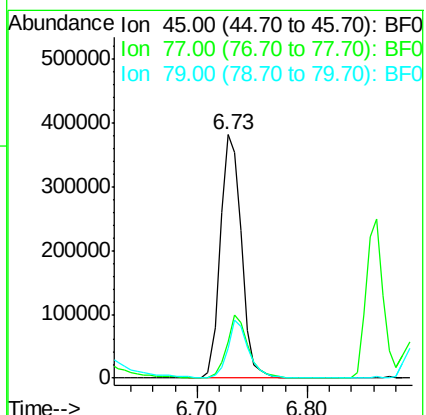
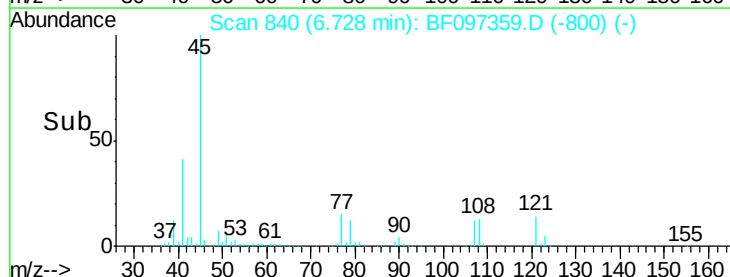
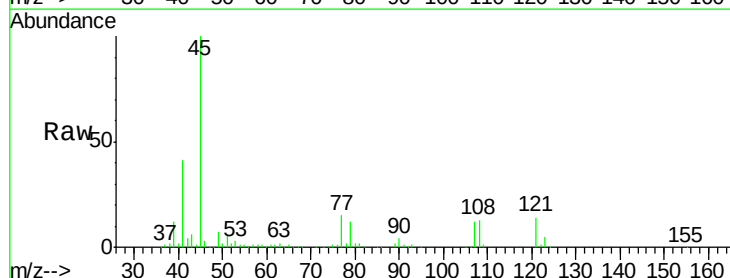
Tgt Ion: 45 Resp: 506723

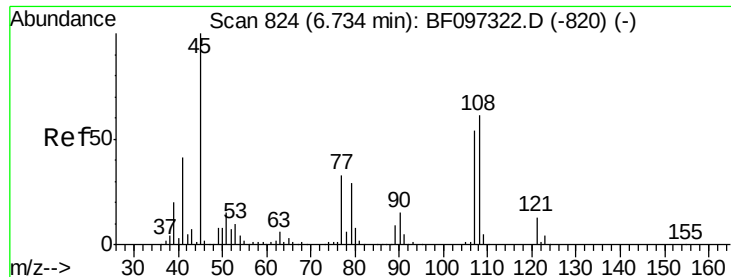
Ion Ratio Lower Upper

45 100

77 14.8 0.0 33.2

79 12.3 0.0 30.0

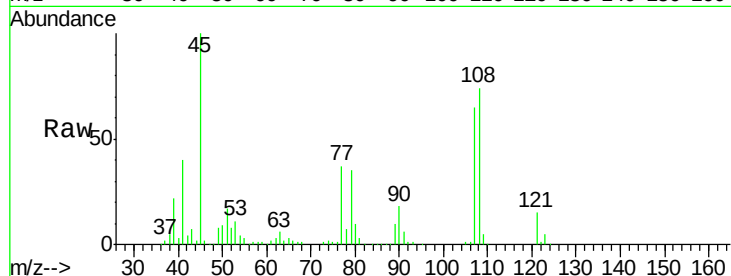




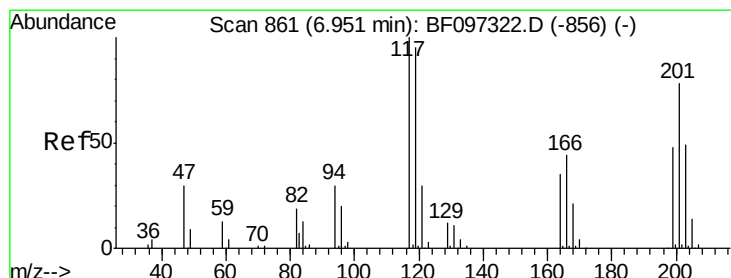
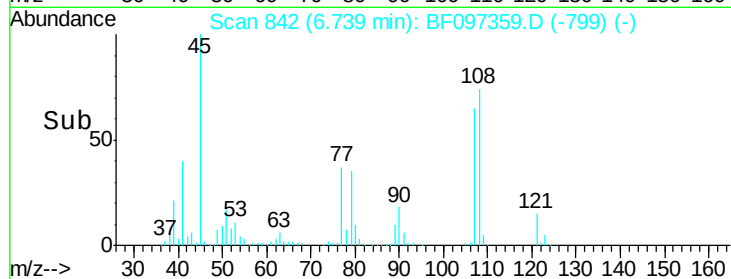
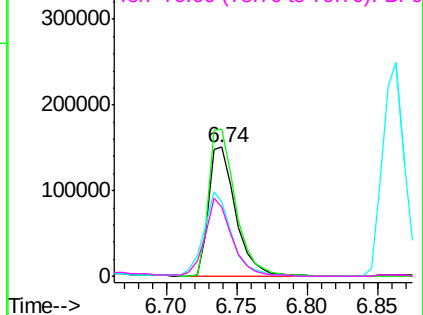
#17
2-Methylphenol
Concen: 40.89 ng
RT: 6.74 min Scan# 842
Delta R.T. -0.05 min
Lab File: BF097359.D
Acq: 4 Aug 2017 16:48

Instrument :
BNA_F
ClientSampleId :
A4129MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	113.9	93.4	140.0
77	57.4	35.8	53.6#
79	54.0	34.8	52.2#

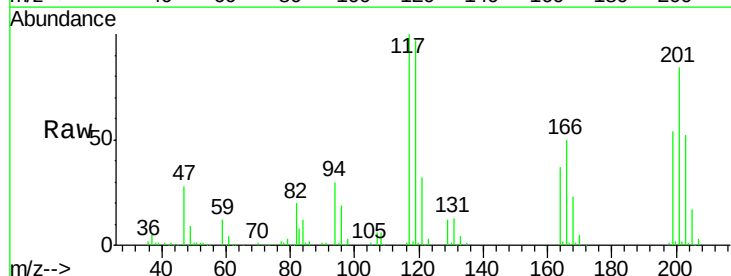


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

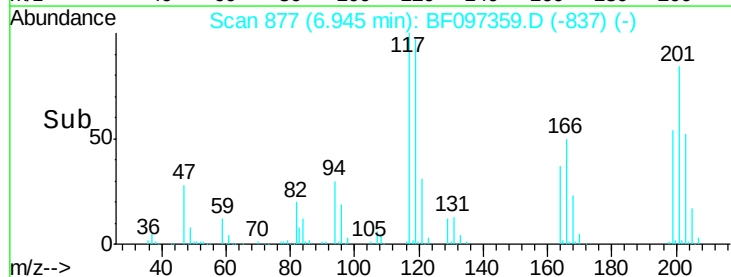
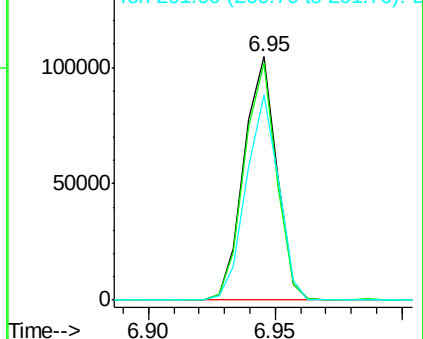


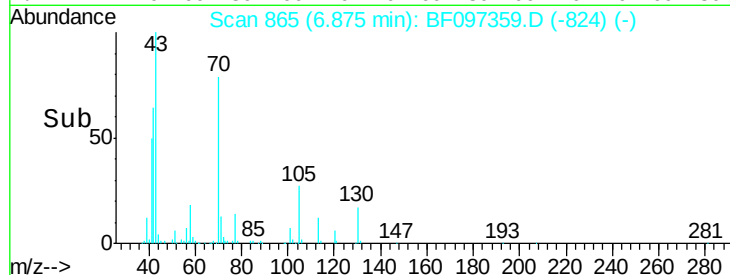
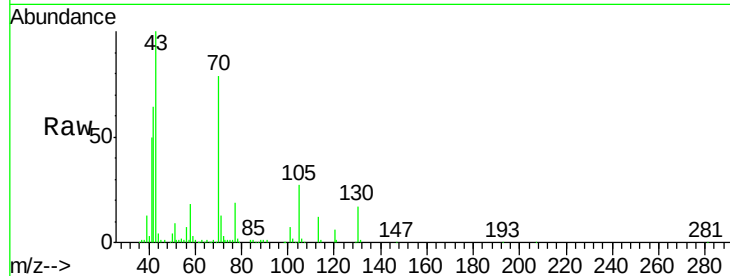
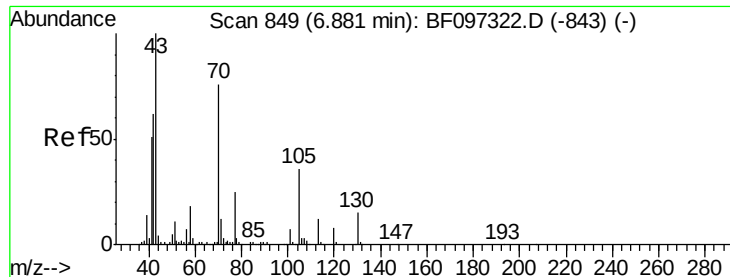
#18
Hexachloroethane
Concen: 37.82 ng
RT: 6.95 min Scan# 877
Delta R.T. -0.06 min
Lab File: BF097359.D
Acq: 4 Aug 2017 16:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.4	116.0
201	84.1	94.6	141.8#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

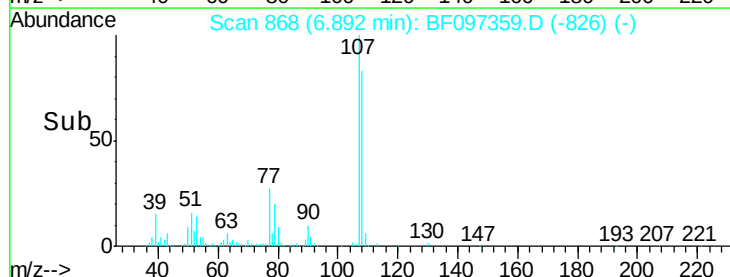
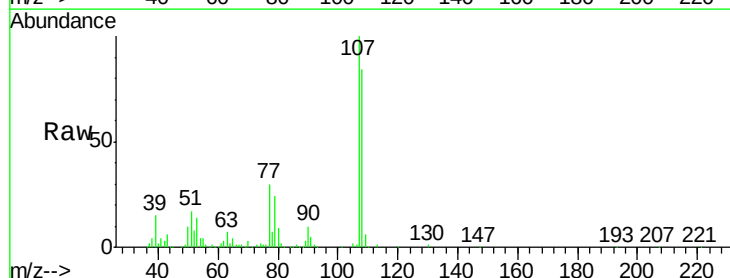
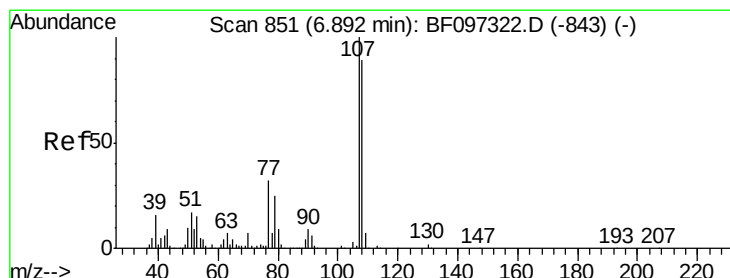
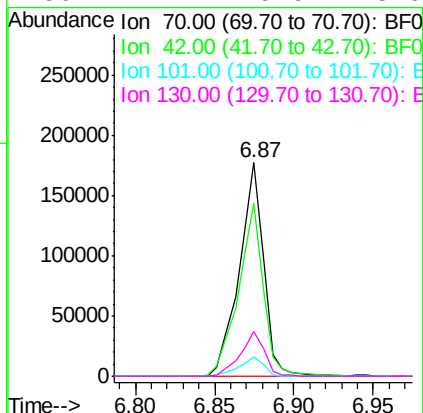




#19
n-Nitroso-di-n-propylamine
Concen: 42.24 ng
RT: 6.87 min Scan# 865
Delta R.T. -0.06 min
Lab File: BF097359.D
Acq: 4 Aug 2017 16:48

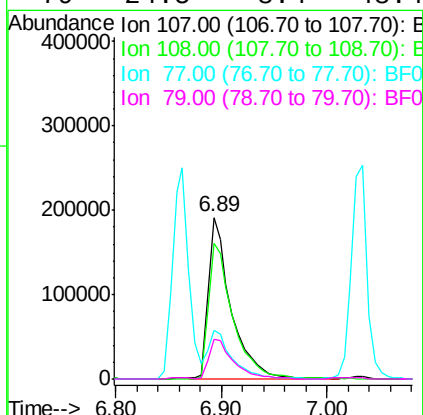
Instrument :
BNA_F
ClientSampleId :
A4129MSD

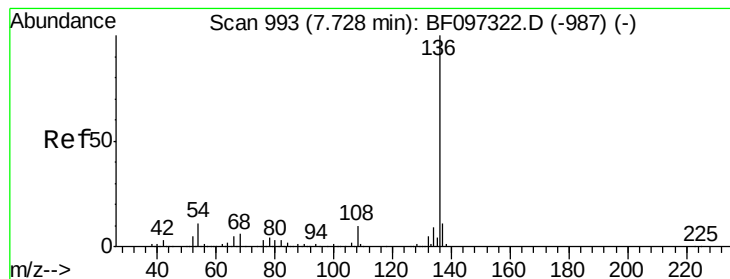
Tot Ion: 70 Resp: 189205
Ion Ratio Lower Upper
70 100
42 80.9 47.2 70.8#
101 9.0 7.2 10.8
130 21.1 15.9 23.9



#20
3+4-Methylphenols
Concen: 43.93 ng
RT: 6.89 min Scan# 868
Delta R.T. -0.05 min
Lab File: BF097359.D
Acq: 4 Aug 2017 16:48

Tgt Ion:107 Resp: 282278
Ion Ratio Lower Upper
107 100
108 84.4 71.0 111.0
77 30.1 90.5 130.5#
79 24.5 8.4 48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.72 min Scan# 1009

Delta R.T. -0.06 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

Instrument :

BNA_F

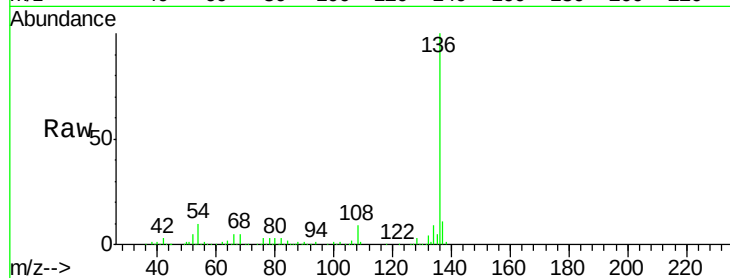
ClientSampleId :

A4129MSD

Tot Ion:136 Resp: 397583

Ion Ratio Lower Upper

136	100		
137	10.9	8.5	12.7
54	10.3	4.9	7.3#
68	5.3	4.1	6.1

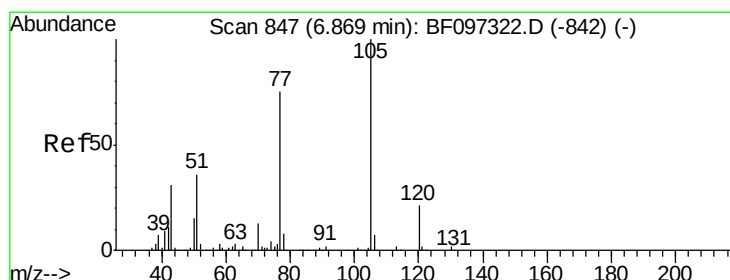
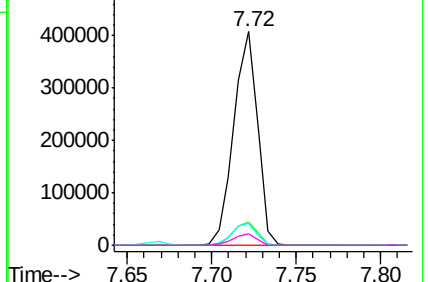
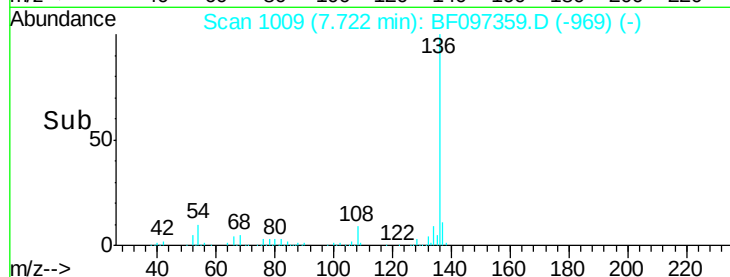


Abundance Ion 136.00 (135.70 to 136.70): E

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: 38.71 ng

RT: 6.86 min Scan# 863

Delta R.T. -0.06 min

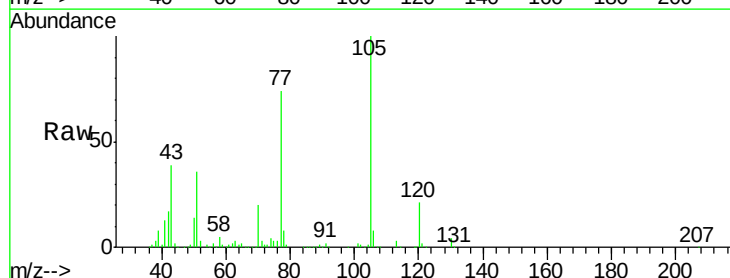
Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

Tgt Ion:105 Resp: 369632

Ion Ratio Lower Upper

105	100		
71	3.5	2.8	4.2
51	35.9	30.7	46.1
120	21.4	17.4	26.0

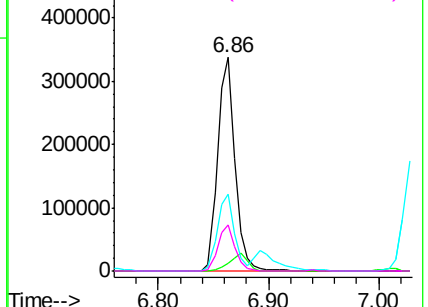
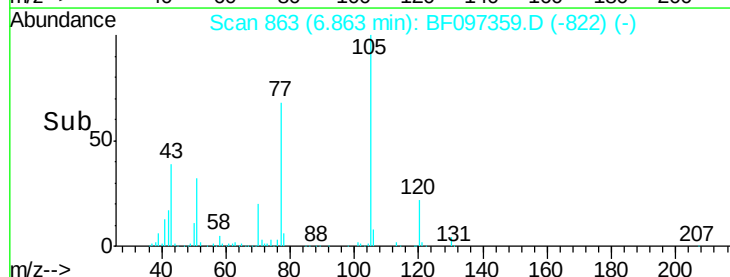


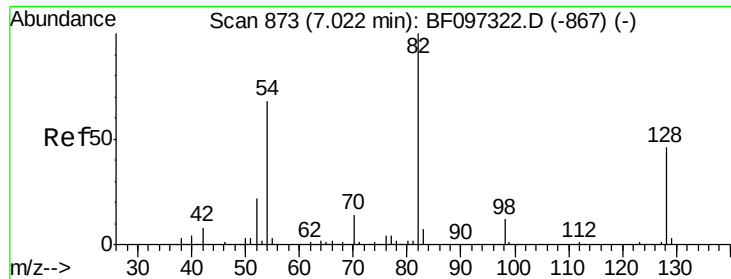
Abundance Ion 105.00 (104.70 to 105.70): E

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

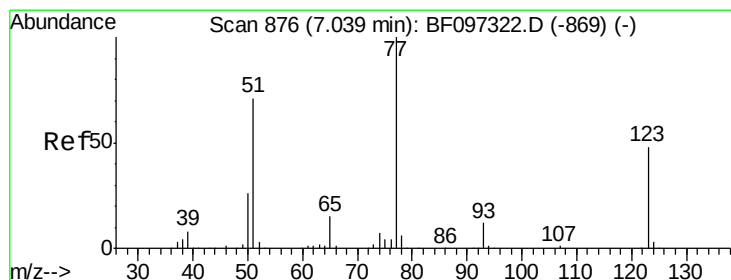
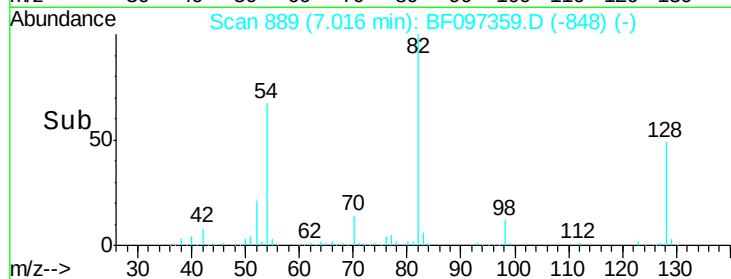
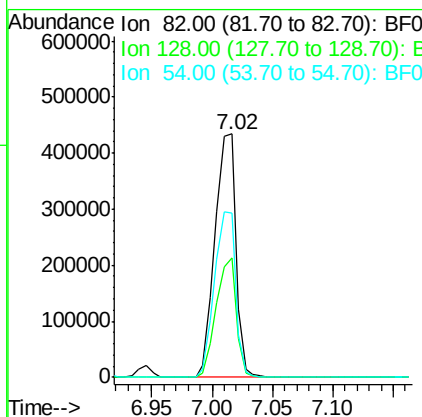
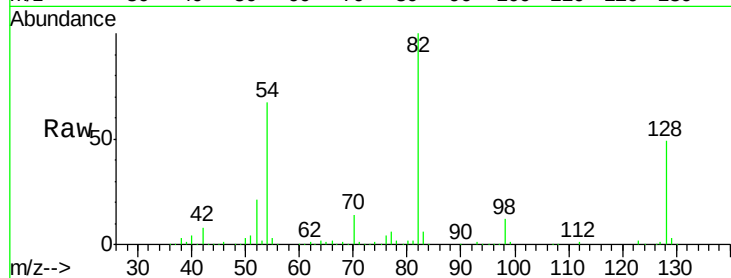




#23
 Nitrobenzene-d5
 Concen: 76.52 ng
 RT: 7.02 min Scan# 889
 Delta R.T. -0.06 min
 Lab File: BF097359.D
 Acq: 4 Aug 2017 16:48

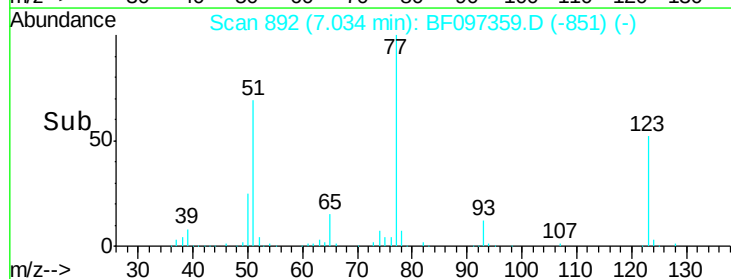
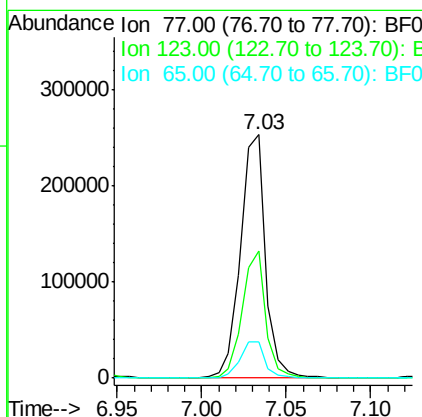
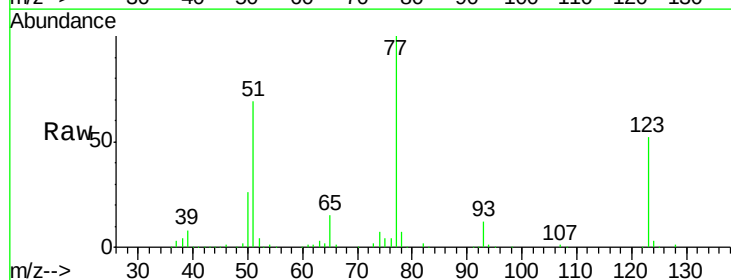
Instrument :
 BNA_F
 ClientSampleId :
 A4129MSD

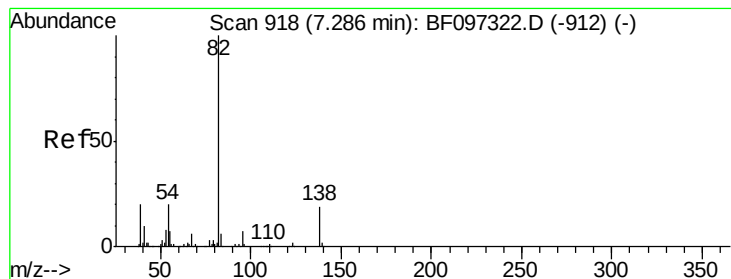
Tot Ion: 82 Resp: 518629
 Ion Ratio Lower Upper
 82 100
 128 48.8 34.0 51.0
 54 67.3 42.2 63.2#



#24
 Nitrobenzene
 Concen: 37.00 ng
 RT: 7.03 min Scan# 892
 Delta R.T. -0.06 min
 Lab File: BF097359.D
 Acq: 4 Aug 2017 16:48

Tgt Ion: 77 Resp: 261136
 Ion Ratio Lower Upper
 77 100
 123 52.0 35.8 53.8
 65 14.8 10.6 15.8





#25

Isophorone

Concen: 40.32 ng

RT: 7.27 min Scan# 933

Delta R.T. -0.06 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

Instrument :

BNA_F

ClientSampleId :

A4129MSD

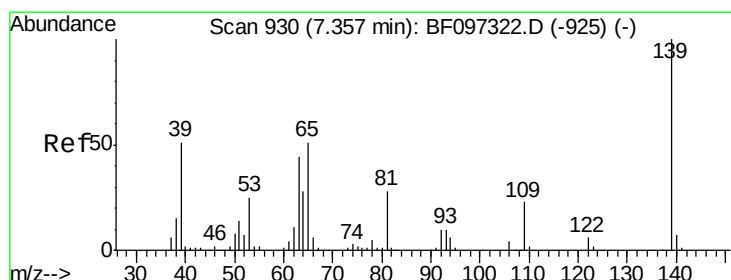
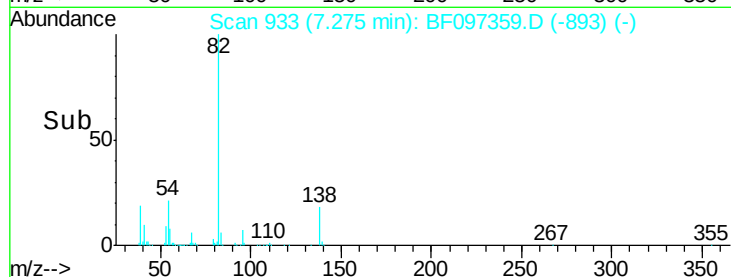
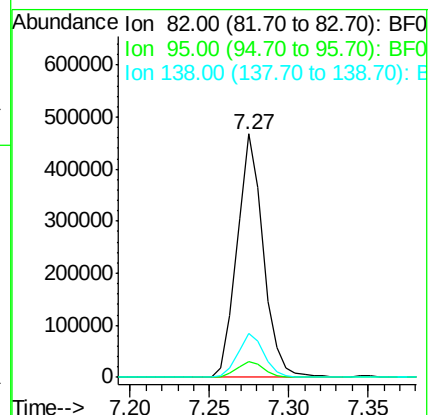
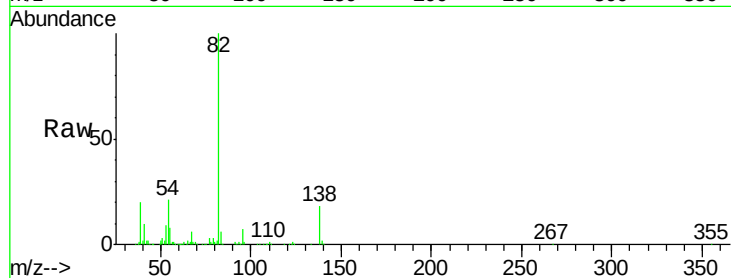
Tot Ion: 82 Resp: 535109

Ion Ratio Lower Upper

82 100

95 6.7 5.3 7.9

138 17.9 13.1 19.7



#26

2-Nitrophenol

Concen: 41.29 ng

RT: 7.35 min Scan# 946

Delta R.T. -0.06 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

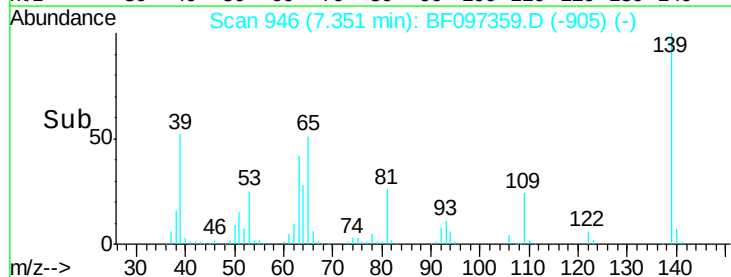
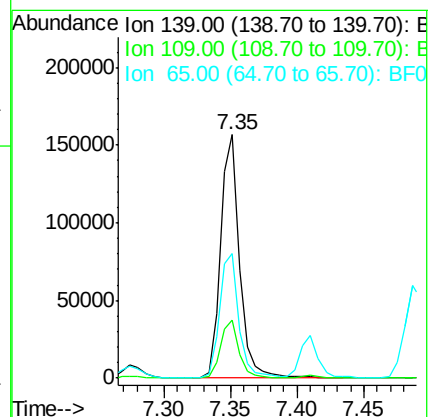
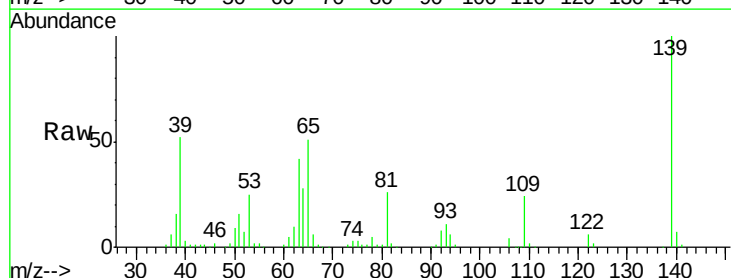
Tgt Ion: 139 Resp: 157687

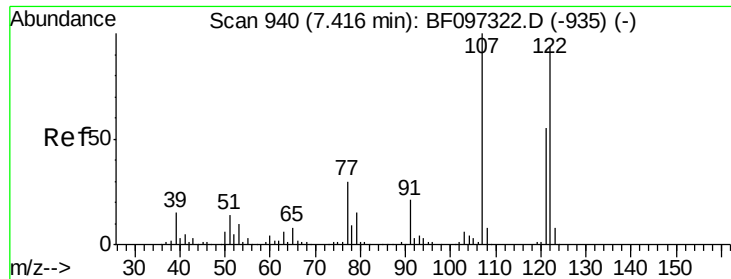
Ion Ratio Lower Upper

139 100

109 23.8 21.0 31.6

65 51.2 33.0 49.6#





#27

2,4-Dimethylphenol

Concen: 39.03 ng

RT: 7.41 min Scan# 956

Delta R.T. -0.06 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

Instrument :

BNA_F

ClientSampleId :

A4129MSD

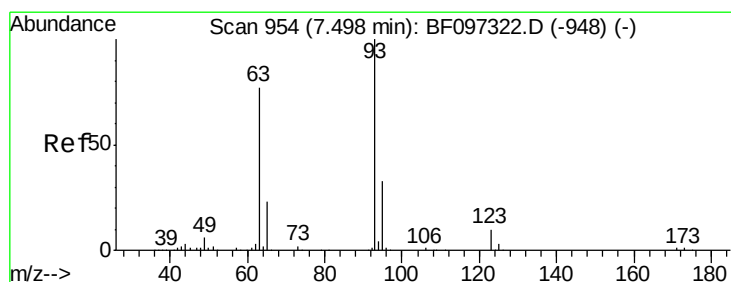
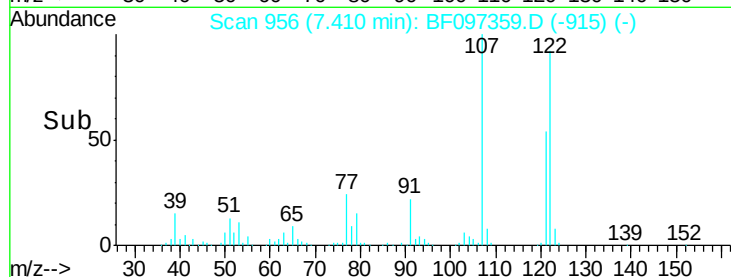
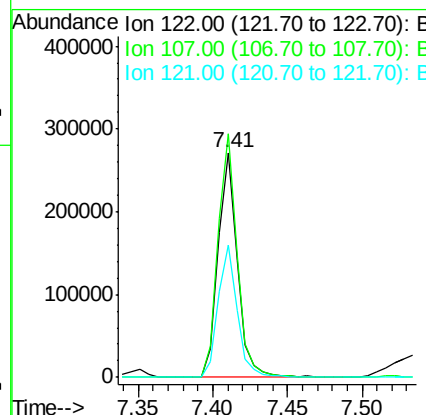
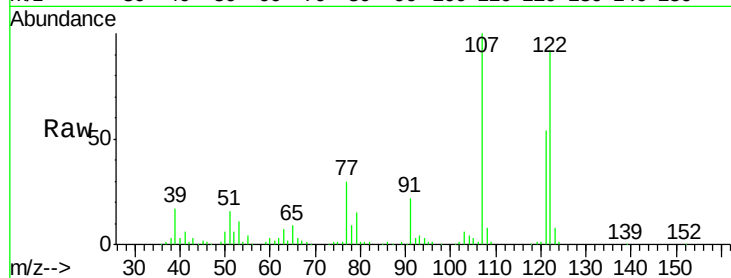
Tot Ion:122 Resp: 245867

Ion Ratio Lower Upper

122 100

107 108.2 89.2 133.8

121 58.6 45.2 67.8



#28

bis(2-Chloroethoxy)methane

Concen: 30.23 ng

RT: 7.49 min Scan# 969

Delta R.T. -0.06 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

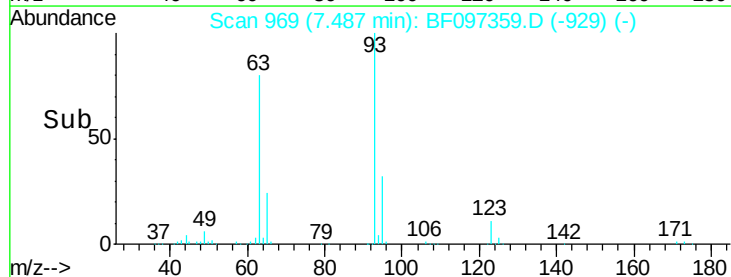
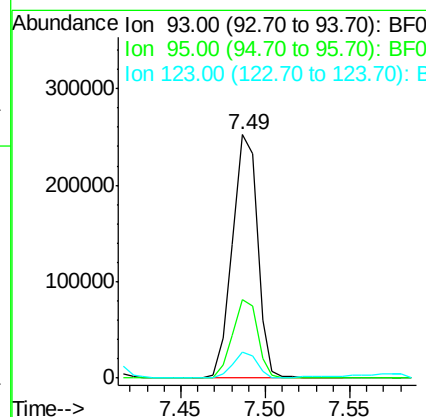
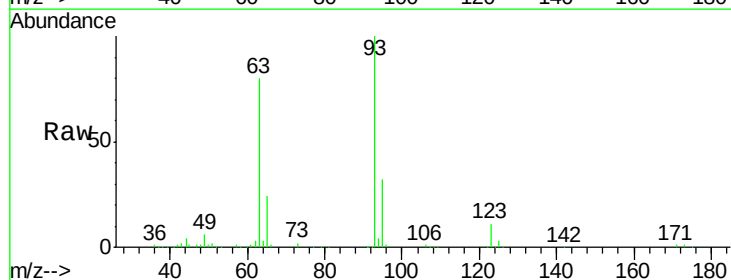
Tgt Ion: 93 Resp: 261852

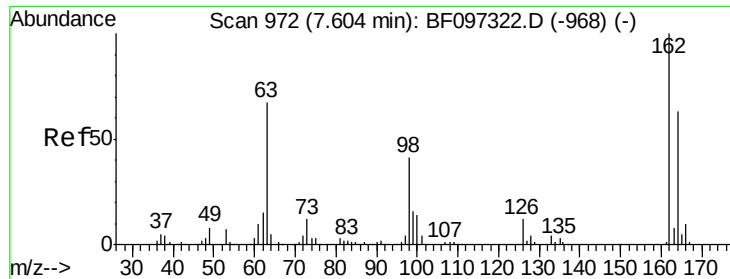
Ion Ratio Lower Upper

93 100

95 32.2 26.5 39.7

123 10.5 9.0 13.4

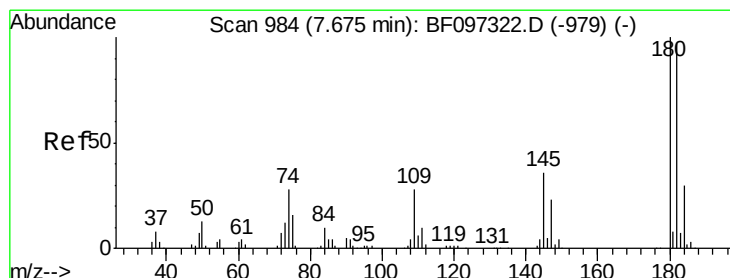
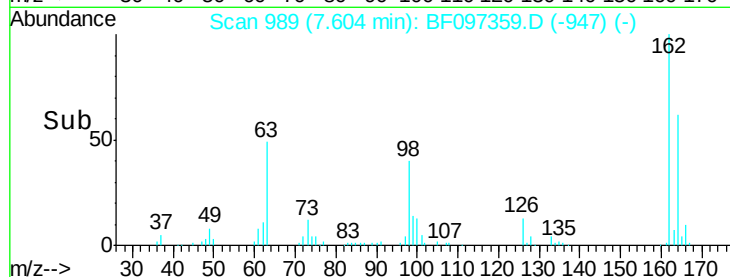
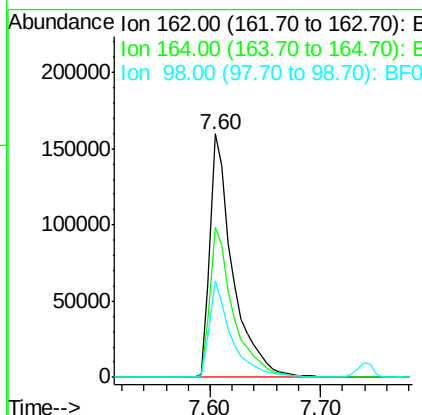
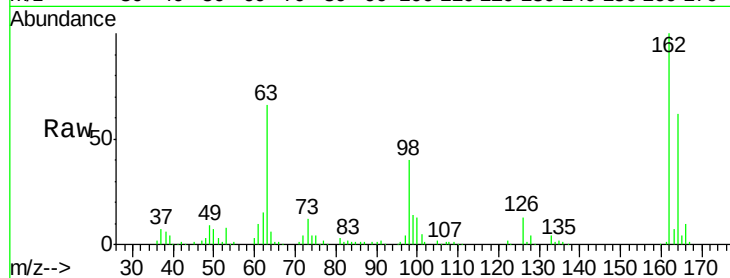




#29
 2,4-Dichlorophenol
 Concen: 41.56 ng
 RT: 7.60 min Scan# 989
 Delta R.T. -0.05 min
 Lab File: BF097359.D
 Acq: 4 Aug 2017 16:48

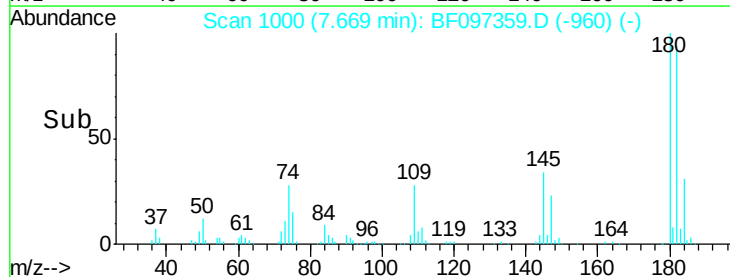
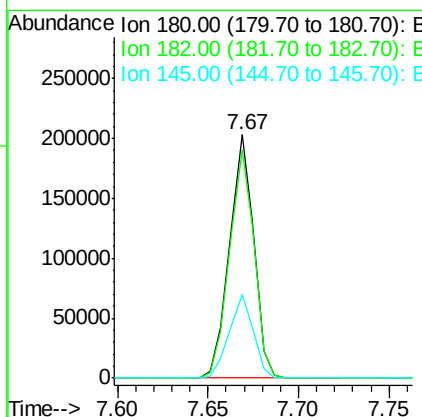
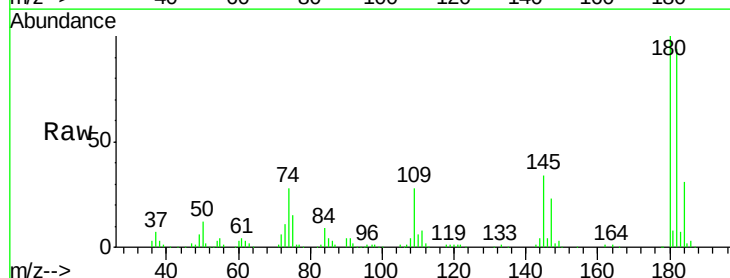
Instrument :
 BNA_F
 ClientSampled :
 A4129MSD

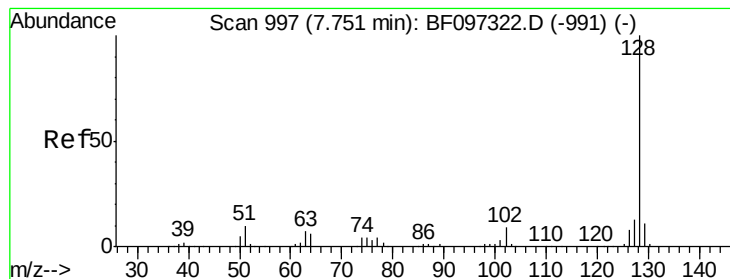
Tot Ion:162 Resp: 225526
 Ion Ratio Lower Upper
 162 100
 164 61.6 44.6 84.6
 98 39.5 14.8 54.8



#30
 1,2,4-Trichlorobenzene
 Concen: 36.60 ng
 RT: 7.67 min Scan# 1000
 Delta R.T. -0.06 min
 Lab File: BF097359.D
 Acq: 4 Aug 2017 16:48

Tgt Ion:180 Resp: 189303
 Ion Ratio Lower Upper
 180 100
 182 93.5 75.8 113.6
 145 34.5 25.3 37.9





#31

Naphthalene

Concen: 38.19 ng

RT: 7.75 min Scan# 1013

Delta R.T. -0.06 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

Instrument :

BNA_F

ClientSampleId :

A4129MSD

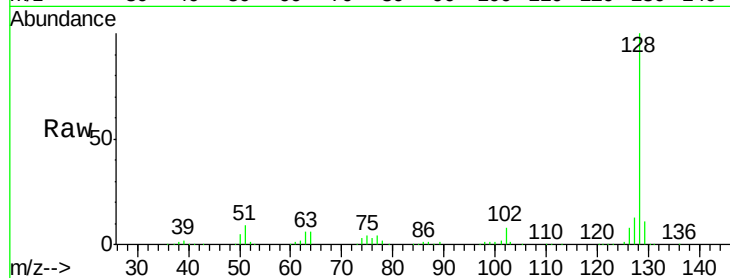
Tot Ion:128 Resp: 715785

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.6

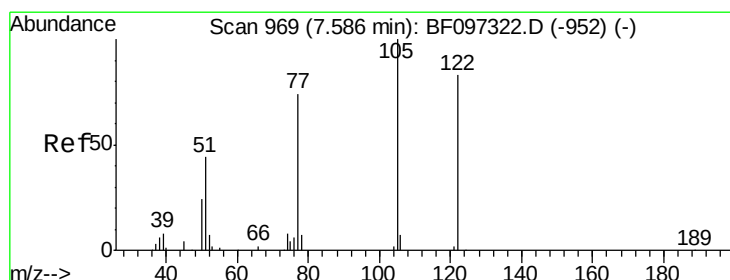
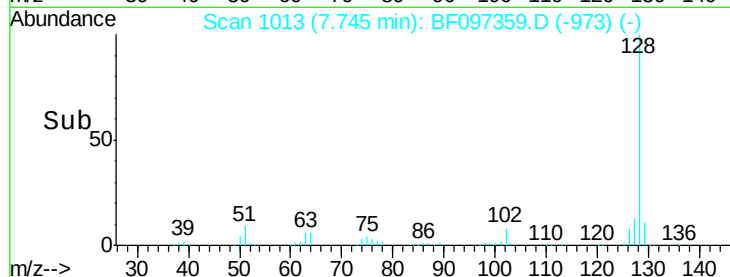
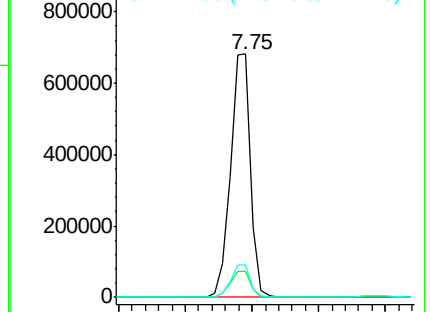
127 13.4 10.8 16.2



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: 35.73 ng

RT: 7.58 min Scan# 985

Delta R.T. -0.05 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

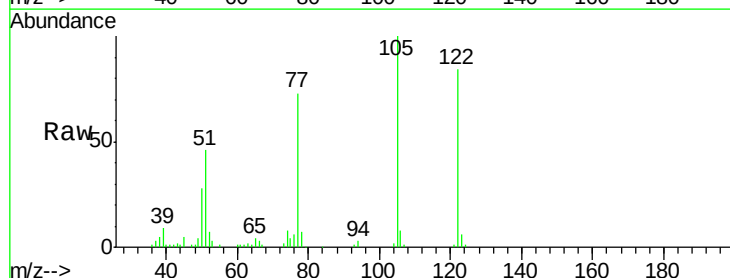
Tgt Ion:122 Resp: 168057

Ion Ratio Lower Upper

122 100

105 118.4 103.3 143.3

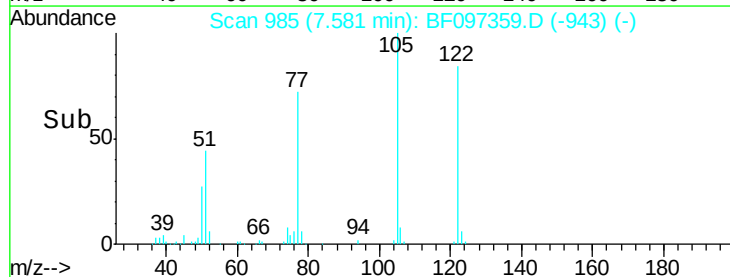
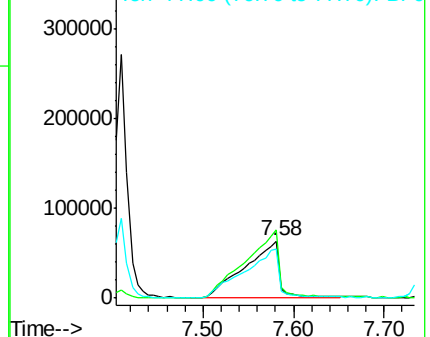
77 85.9 73.7 113.7

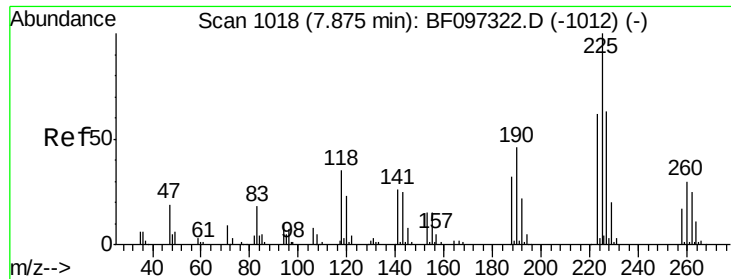


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

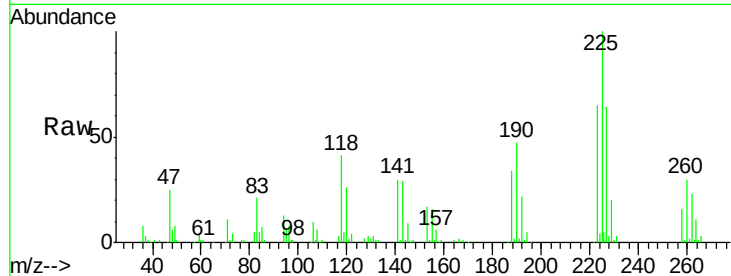




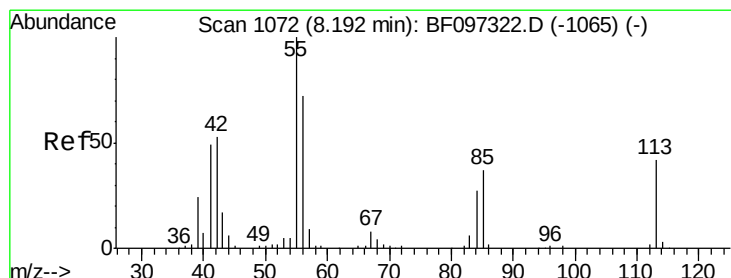
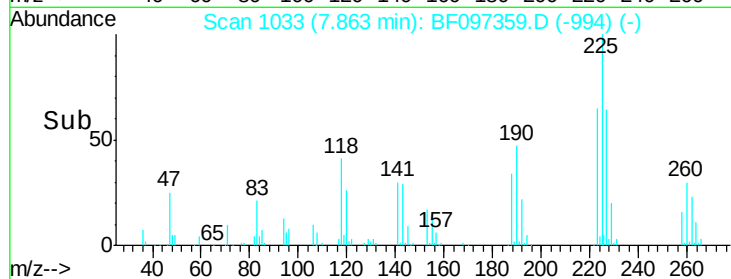
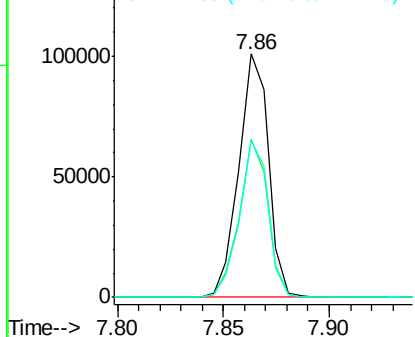
#34
Hexachlorobutadiene
Concen: 35.92 ng
RT: 7.86 min Scan# 1033
Delta R.T. -0.07 min
Lab File: BF097359.D
Acq: 4 Aug 2017 16:48

Instrument :
BNA_F
ClientSampleId :
A4129MSD

Tot Ion:225 Resp: 98491
Ion Ratio Lower Upper
225 100
223 65.0 48.8 73.2
227 64.4 51.1 76.7

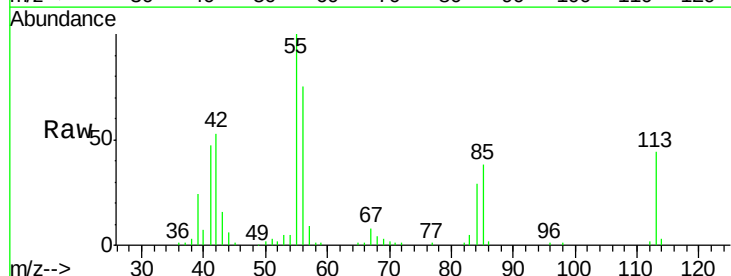


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

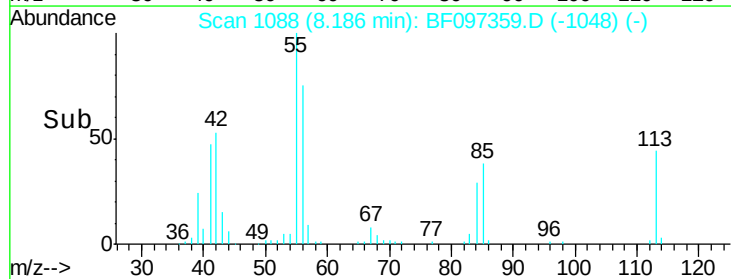
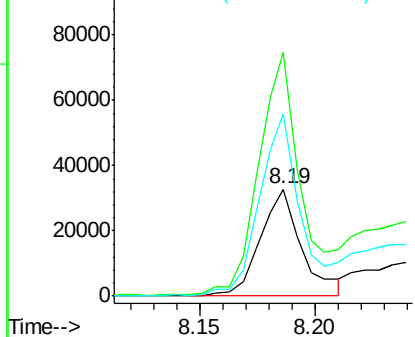


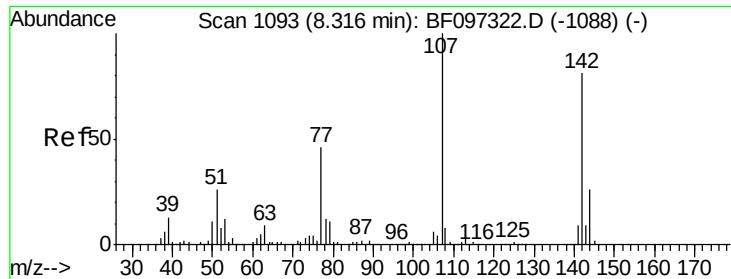
#35
Caprolactam
Concen: 23.48 ng
RT: 8.19 min Scan# 1088
Delta R.T. -0.06 min
Lab File: BF097359.D
Acq: 4 Aug 2017 16:48

Tgt Ion:113 Resp: 40860
Ion Ratio Lower Upper
113 100
55 228.2 150.2 190.2#
56 170.6 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0

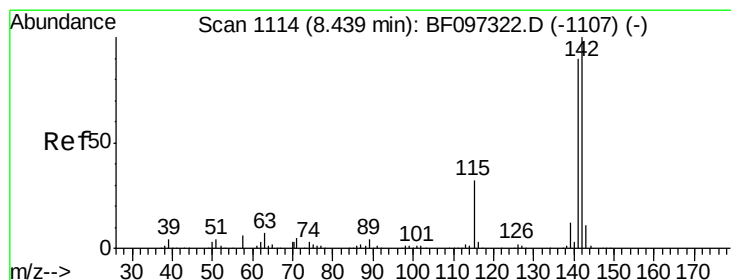
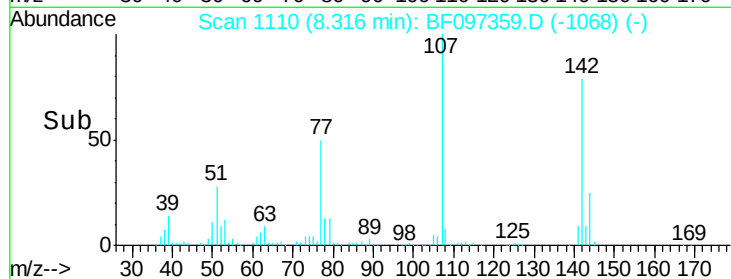
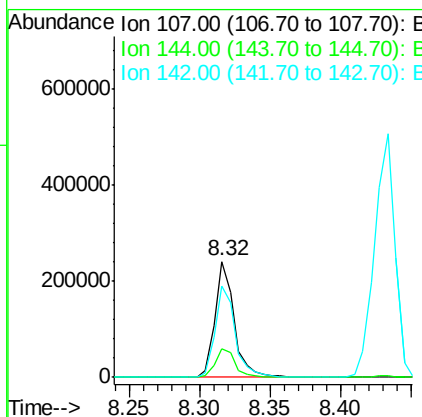
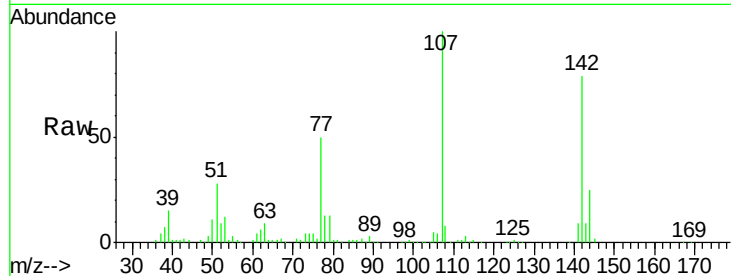




#36
4-Chloro-3-methylphenol
Concen: 38.72 ng
RT: 8.32 min Scan# 1110
Delta R.T. -0.05 min
Lab File: BF097359.D
Acq: 4 Aug 2017 16:48

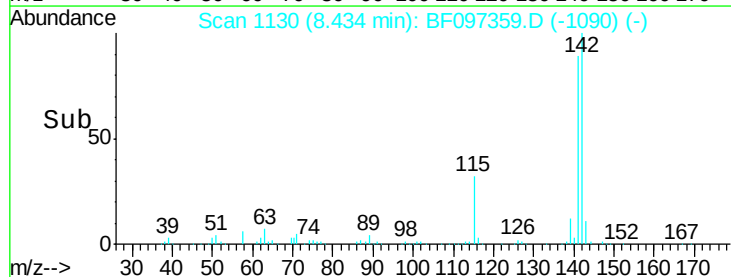
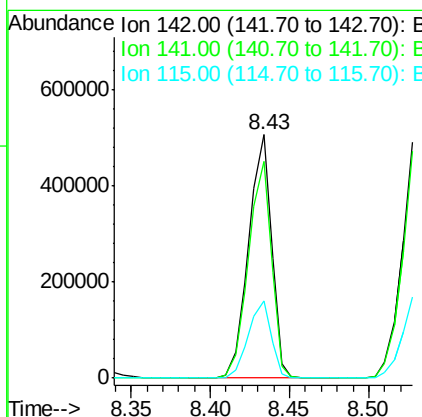
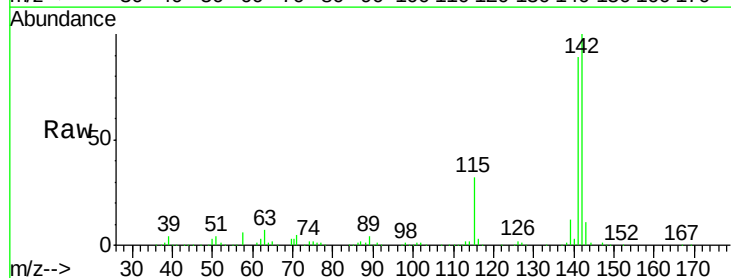
Instrument :
BNA_F
ClientSampleId :
A4129MSD

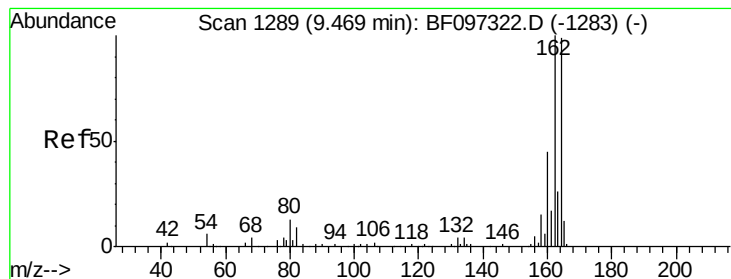
Tot Ion:107 Resp: 229217
Ion Ratio Lower Upper
107 100
144 25.2 24.2 36.4
142 78.6 73.4 110.0



#37
2-Methylnaphthalene
Concen: 43.12 ng
RT: 8.43 min Scan# 1130
Delta R.T. -0.06 min
Lab File: BF097359.D
Acq: 4 Aug 2017 16:48

Tgt Ion:142 Resp: 511705
Ion Ratio Lower Upper
142 100
141 89.2 71.3 106.9
115 31.8 27.1 40.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.46 min Scan# 1305

Delta R.T. -0.07 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

Instrument :

BNA_F

ClientSampleId :

A4129MSD

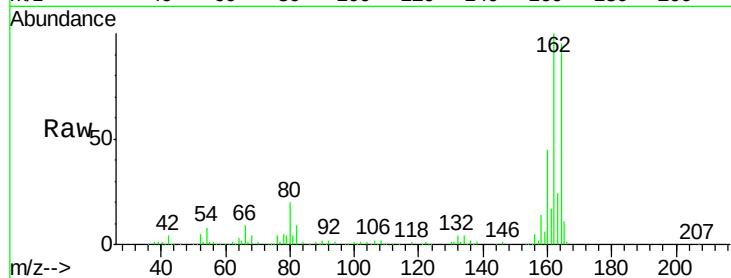
Tot Ion:164 Resp: 190228

Ion Ratio Lower Upper

164 100

162 104.9 82.6 123.8

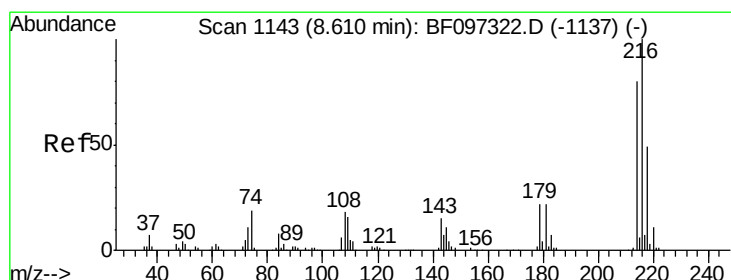
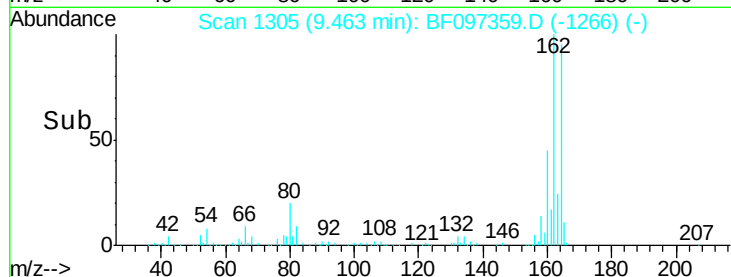
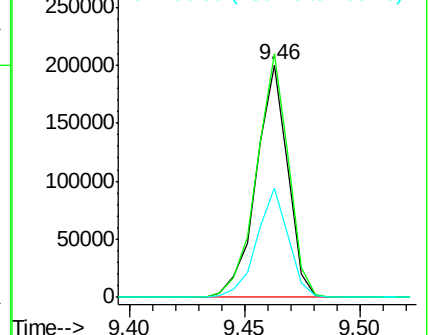
160 47.0 36.2 54.2



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



#39

1,2,4,5-Tetrachlorobenzene

Concen: 34.66 ng

RT: 8.60 min Scan# 1159

Delta R.T. -0.06 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

Tgt Ion:216 Resp: 175915

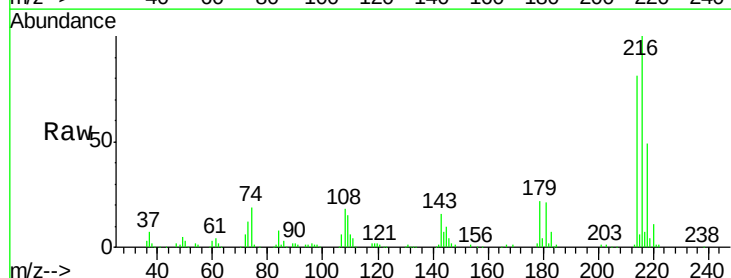
Ion Ratio Lower Upper

216 100

214 80.1 63.4 95.2

179 22.4 17.9 26.9

108 22.0 16.5 24.7

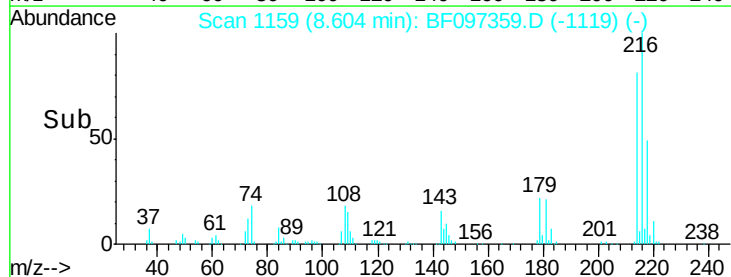
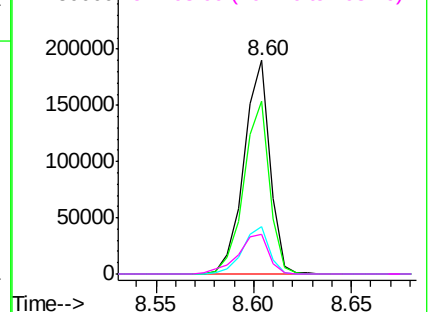


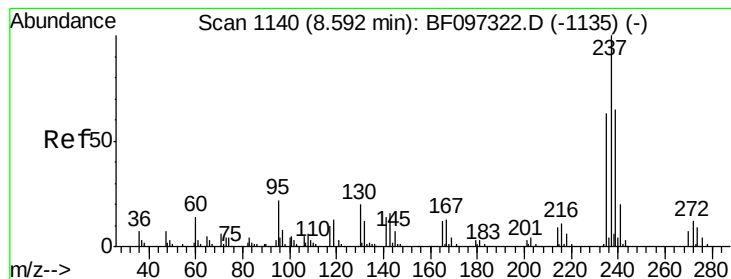
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#40

Hexachlorocyclopentadiene

Concen: 58.15 ng

RT: 8.59 min Scan# 1156

Delta R.T. -0.07 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

Instrument :

BNA_F

ClientSampleId :

A4129MSD

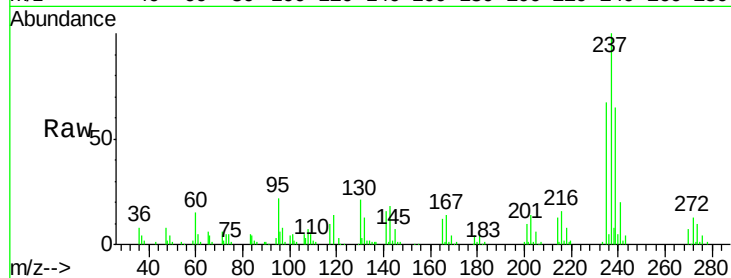
Tot Ion:237 Resp: 99725

Ion Ratio Lower Upper

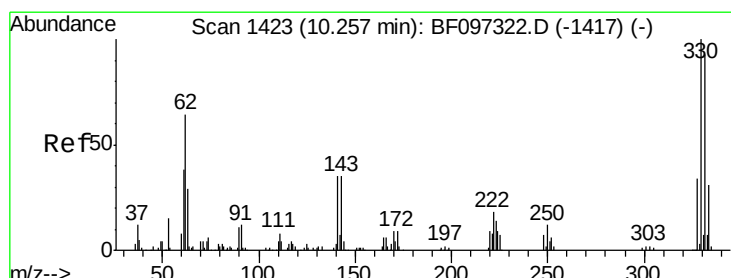
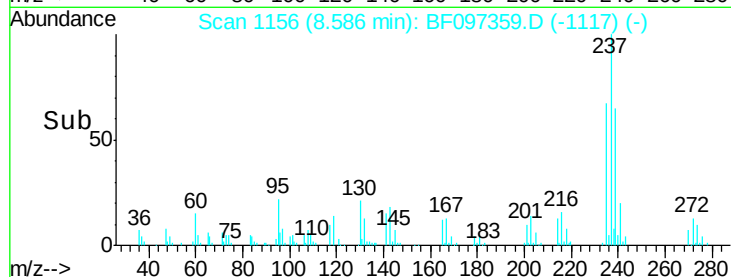
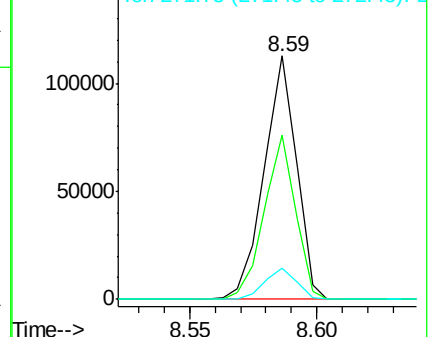
237 100

235 67.3 42.6 82.6

272 12.9 0.0 31.9



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#41

2,4,6-Tribromophenol

Concen: 118.75 ng

RT: 10.25 min Scan# 1439

Delta R.T. -0.07 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

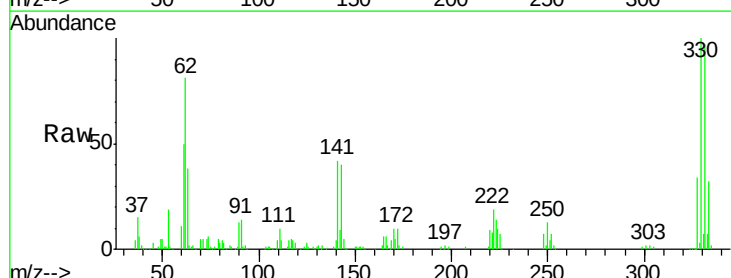
Tgt Ion:330 Resp: 178486

Ion Ratio Lower Upper

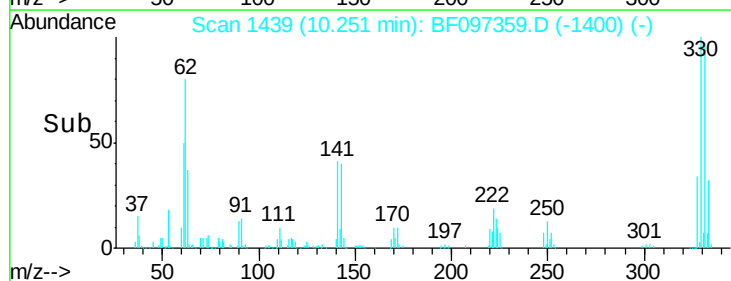
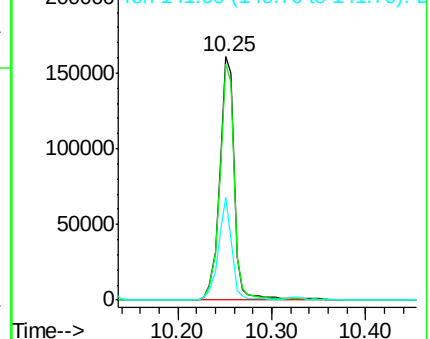
330 100

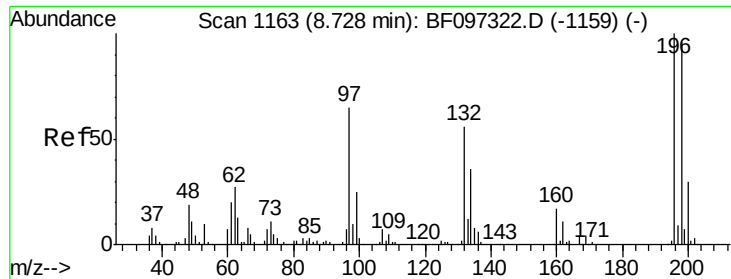
332 95.4 76.6 115.0

141 38.7 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

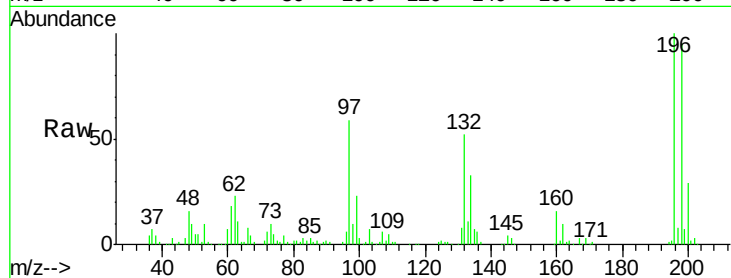




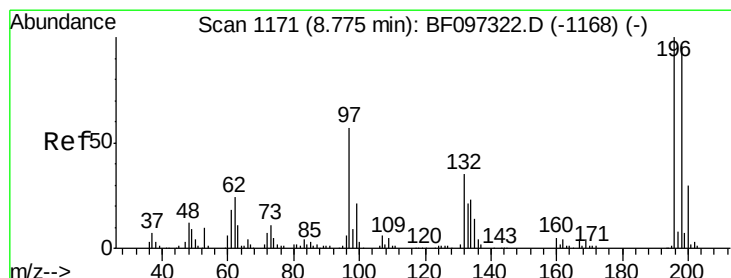
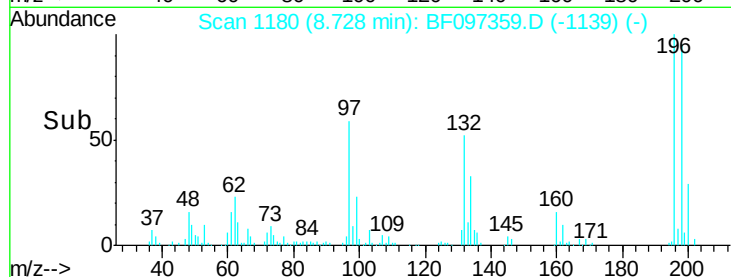
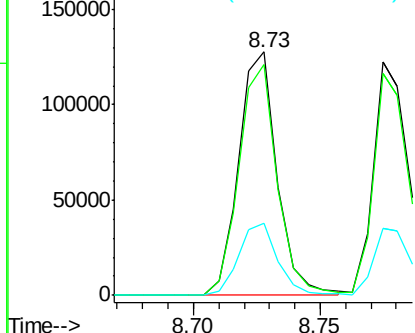
#42
 2,4,6-Trichlorophenol
 Concen: 36.54 ng
 RT: 8.73 min Scan# 1180
 Delta R.T. -0.06 min
 Lab File: BF097359.D
 Acq: 4 Aug 2017 16:48

Instrument :
 BNA_F
 ClientSampleId :
 A4129MSD

Tot Ion:196 Resp: 134419
 Ion Ratio Lower Upper
 196 100
 198 95.0 74.2 111.4
 200 29.4 24.0 36.0



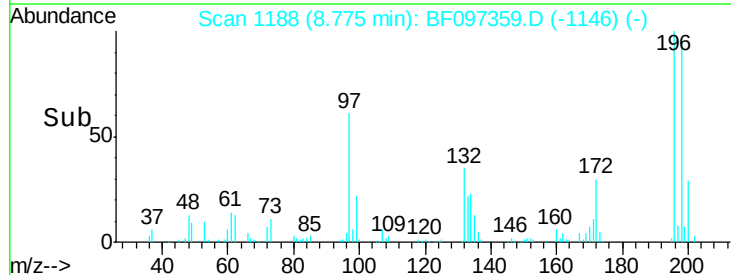
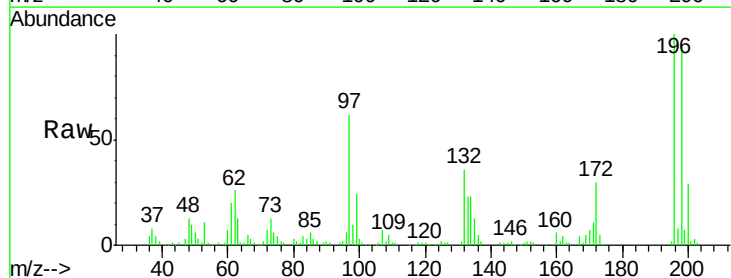
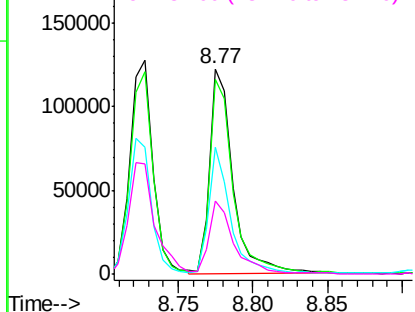
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

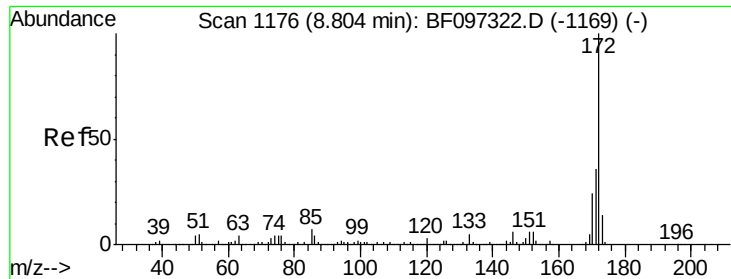


#43
 2,4,5-Trichlorophenol
 Concen: 35.83 ng
 RT: 8.77 min Scan# 1188
 Delta R.T. -0.05 min
 Lab File: BF097359.D
 Acq: 4 Aug 2017 16:48

Tgt Ion:196 Resp: 131930
 Ion Ratio Lower Upper
 196 100
 198 95.2 75.7 113.5
 97 62.0 47.7 71.5
 132 35.8 28.0 42.0

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

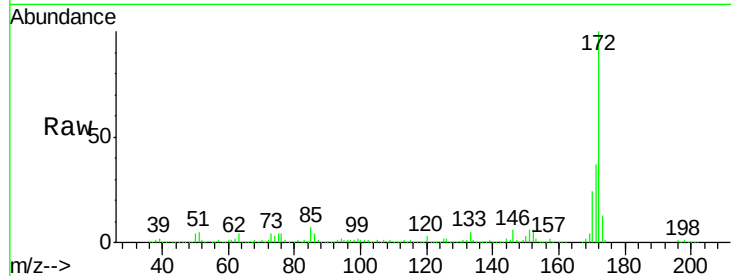




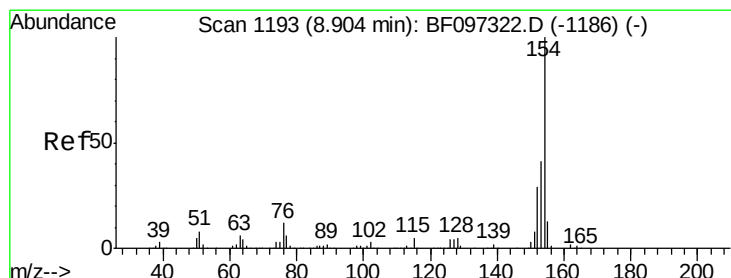
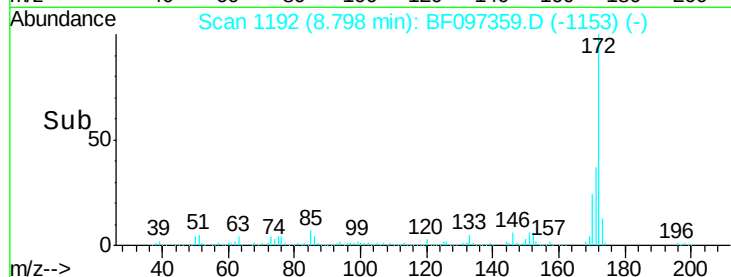
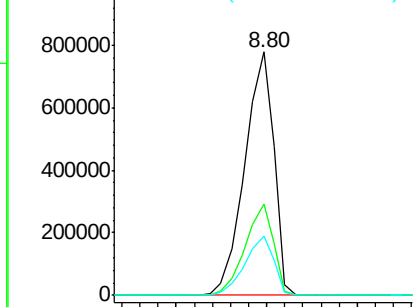
#44
2-Fluorobiphenyl
Concen: 77.29 ng
RT: 8.80 min Scan# 1192
Delta R.T. -0.07 min
Lab File: BF097359.D
Acq: 4 Aug 2017 16:48

Instrument :
BNA_F
ClientSampleId :
A4129MSD

Tot Ion:172 Resp: 866303
Ion Ratio Lower Upper
172 100
171 37.4 29.6 44.4
170 24.5 19.8 29.8

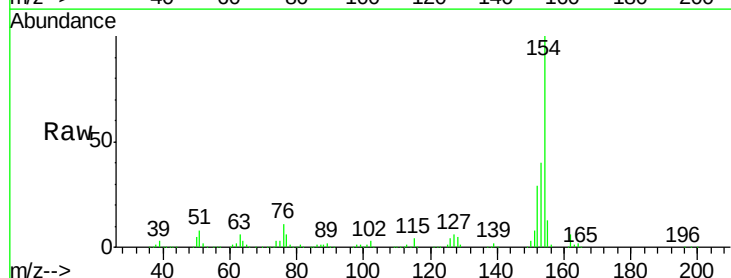


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

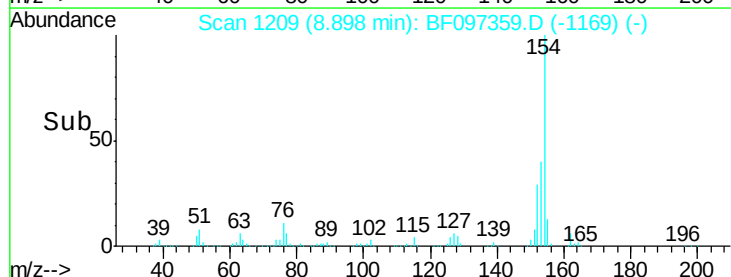
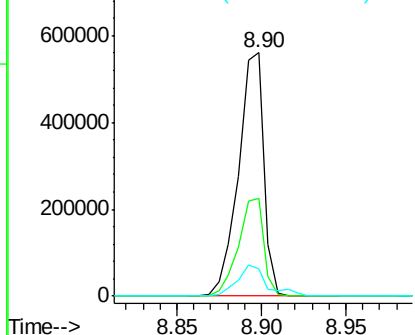


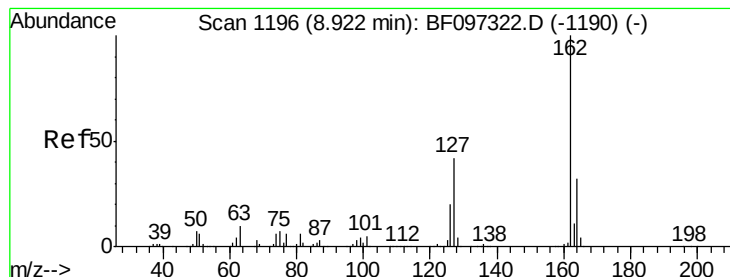
#45
1,1'-Biphenyl
Concen: 36.20 ng
RT: 8.90 min Scan# 1209
Delta R.T. -0.06 min
Lab File: BF097359.D
Acq: 4 Aug 2017 16:48

Tgt Ion:154 Resp: 588207
Ion Ratio Lower Upper
154 100
153 40.2 21.2 61.2
76 11.4 0.0 29.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

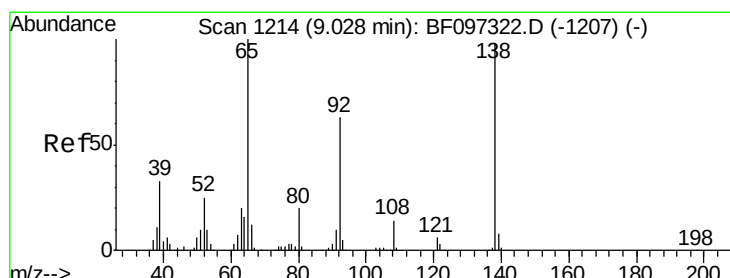
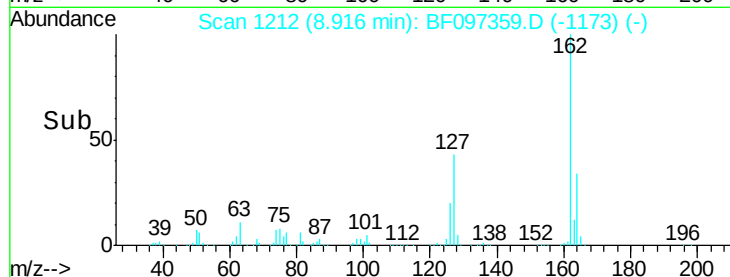
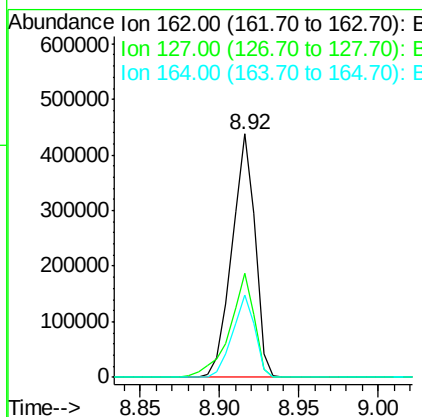
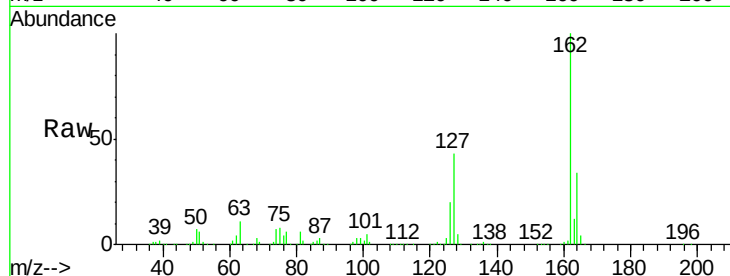




#46
 2-Chloronaphthalene
 Concen: 36.97 ng
 RT: 8.92 min Scan# 1212
 Delta R.T. -0.07 min
 Lab File: BF097359.D
 Acq: 4 Aug 2017 16:48

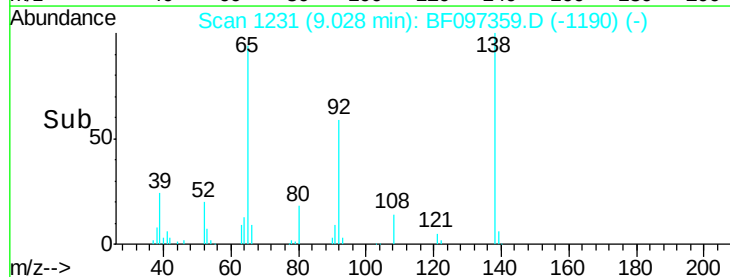
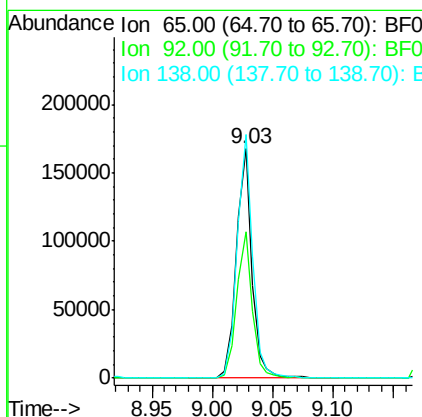
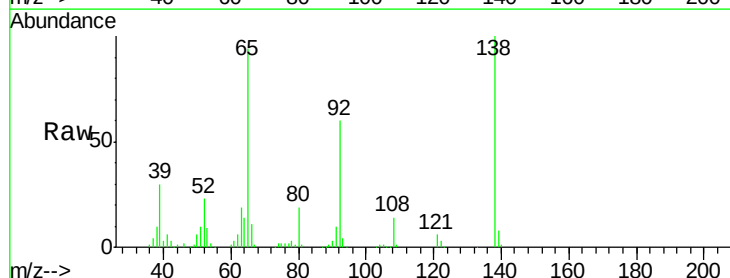
Instrument :
 BNA_F
 ClientSampleId :
 A4129MSD

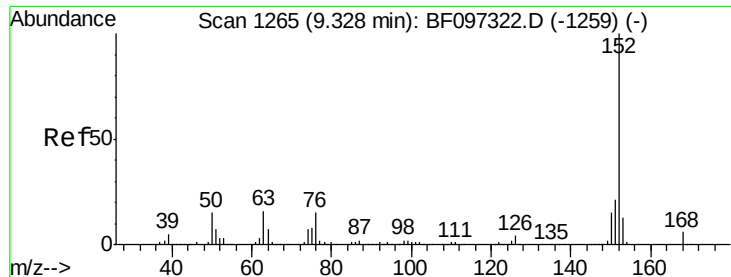
Tot Ion	Ratio	Lower	Upper
162	100		
127	42.5	28.3	42.5#
164	33.7	27.0	40.4



#47
 2-Nitroaniline
 Concen: 35.07 ng
 RT: 9.03 min Scan# 1231
 Delta R.T. -0.06 min
 Lab File: BF097359.D
 Acq: 4 Aug 2017 16:48

Tgt Ion	Ratio	Lower	Upper
65	100		
92	63.7	53.9	80.9
138	106.2	78.8	118.2





#48

Acenaphthylene

Concen: 34.25 ng

RT: 9.33 min Scan# 1282

Delta R.T. -0.06 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

Instrument :

BNA_F

ClientSampleId :

A4129MSD

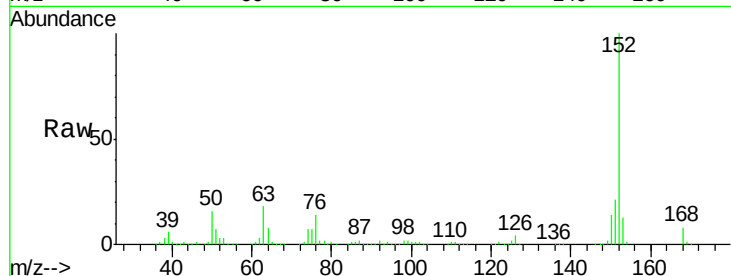
Tot Ion:152 Resp: 628553

Ion Ratio Lower Upper

152 100

151 20.6 16.8 25.2

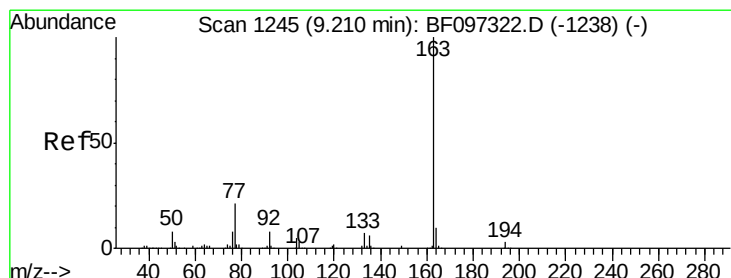
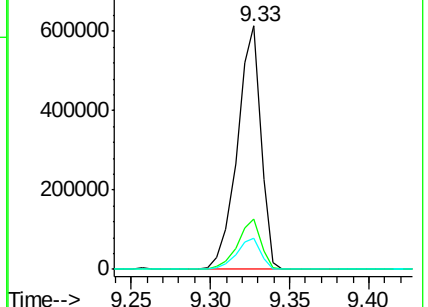
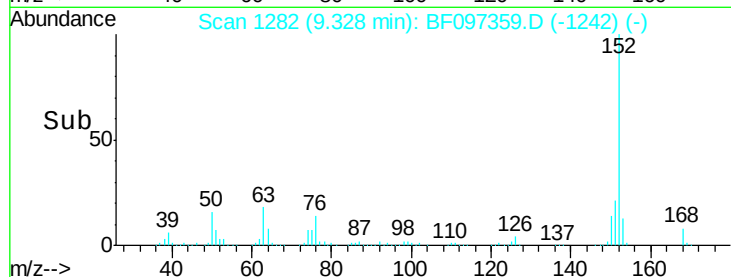
153 13.0 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 39.32 ng

RT: 9.20 min Scan# 1261

Delta R.T. -0.07 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

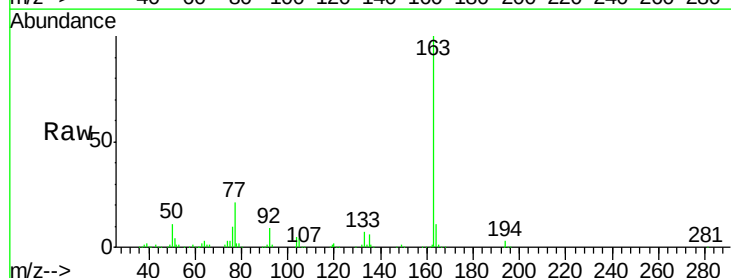
Tgt Ion:163 Resp: 567971

Ion Ratio Lower Upper

163 100

194 2.9 2.6 4.0

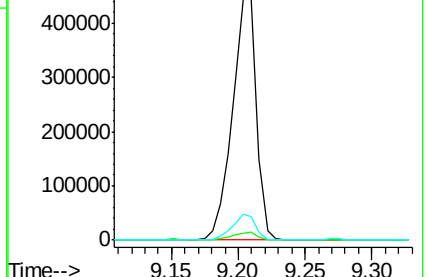
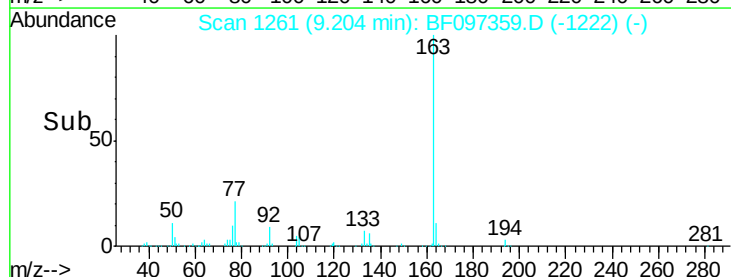
164 10.5 8.4 12.6

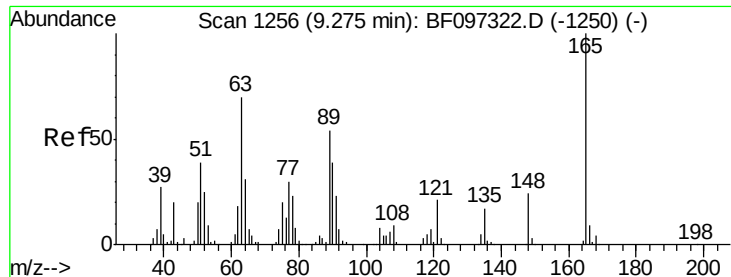


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

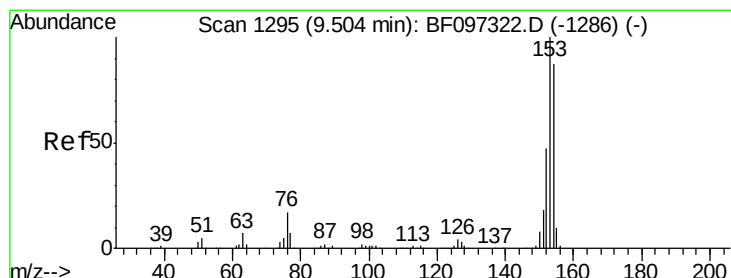
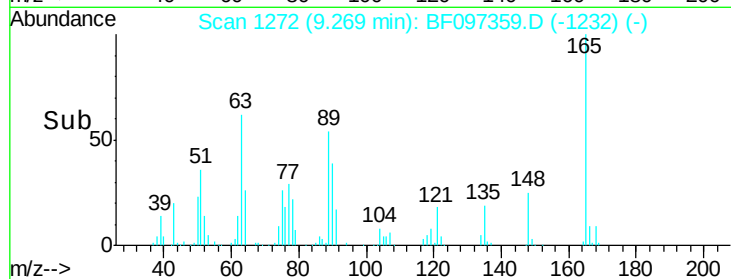
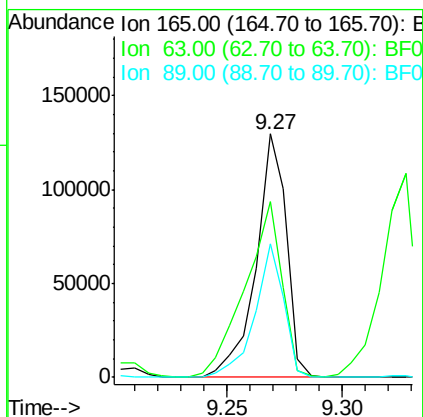
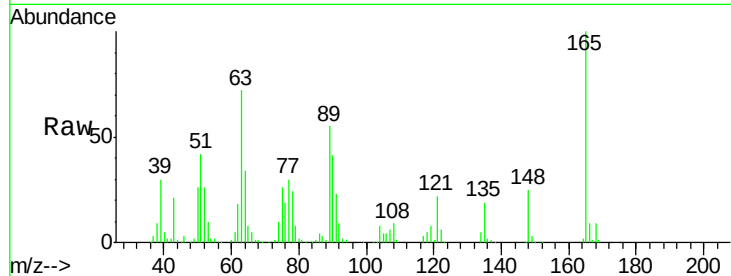




#50
 2,6-Dinitrotoluene
 Concen: 38.71 ng
 RT: 9.27 min Scan# 1272
 Delta R.T. -0.06 min
 Lab File: BF097359.D
 Acq: 4 Aug 2017 16:48

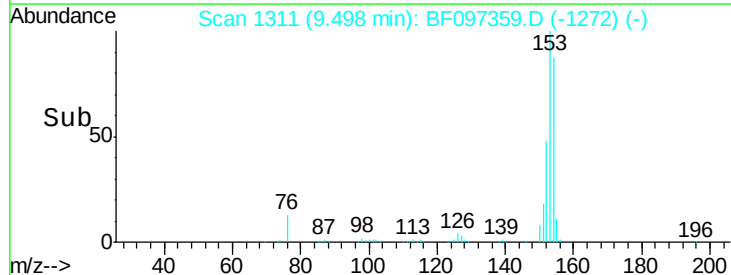
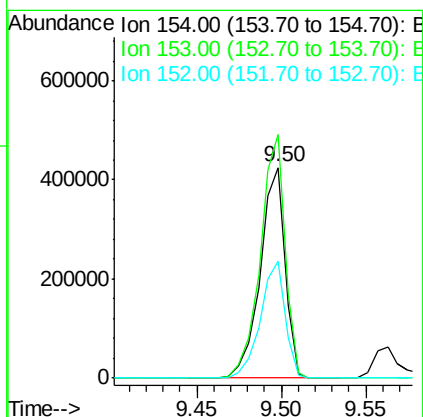
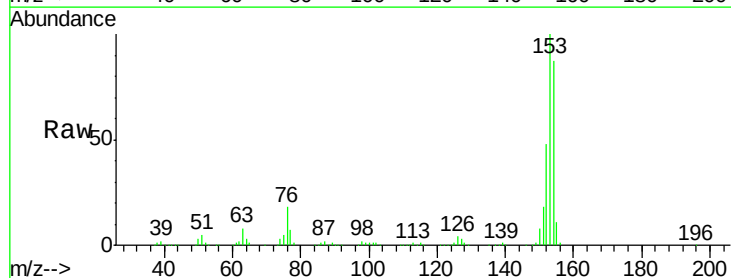
Instrument :
 BNA_F
 ClientSampleId :
 A4129MSD

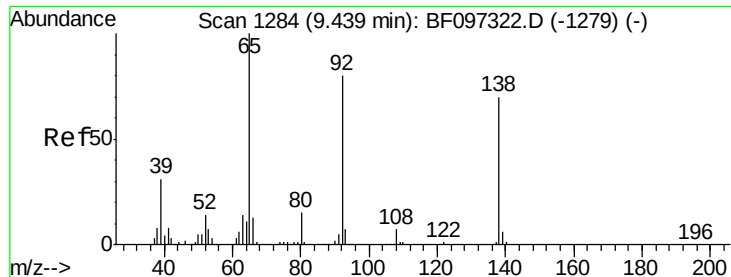
Tot Ion	Ratio	Lower	Upper
165	100		
63	72.0	34.3	51.5#
89	54.7	37.1	55.7



#51
 Acenaphthene
 Concen: 40.16 ng
 RT: 9.50 min Scan# 1311
 Delta R.T. -0.07 min
 Lab File: BF097359.D
 Acq: 4 Aug 2017 16:48

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.6	90.5	135.7
152	55.6	43.6	65.4

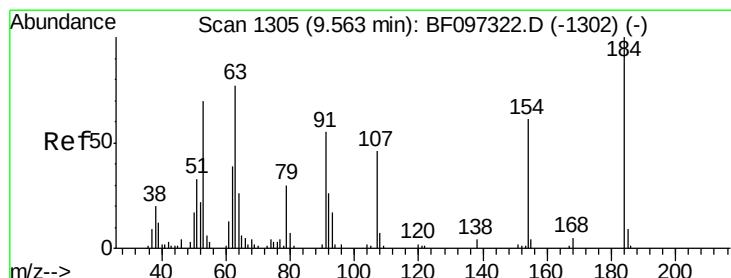
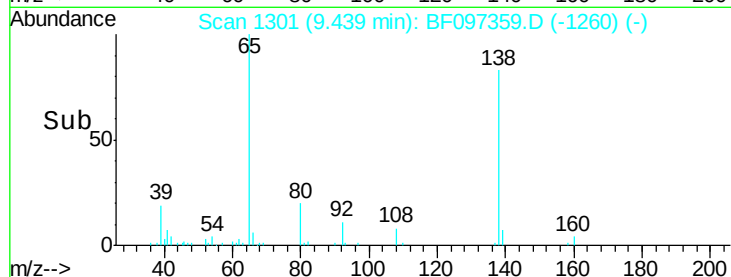
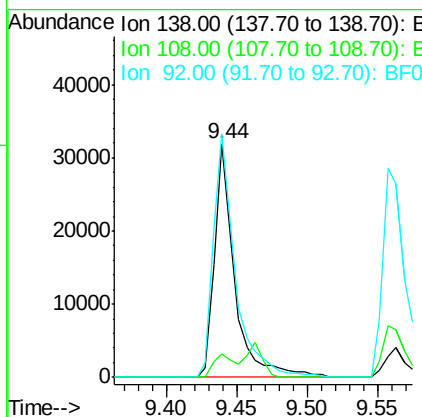
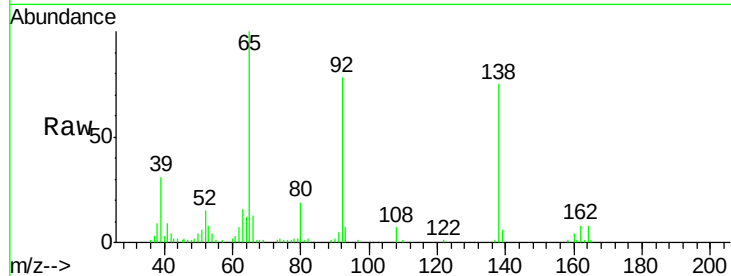




#52
3-Nitroaniline
Concen: 8.30 ng
RT: 9.44 min Scan# 1301
Delta R.T. -0.06 min
Lab File: BF097359.D
Acq: 4 Aug 2017 16:48

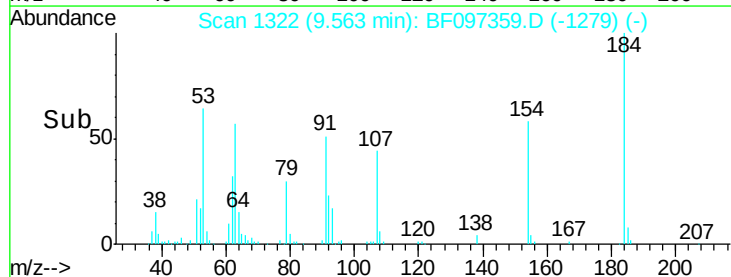
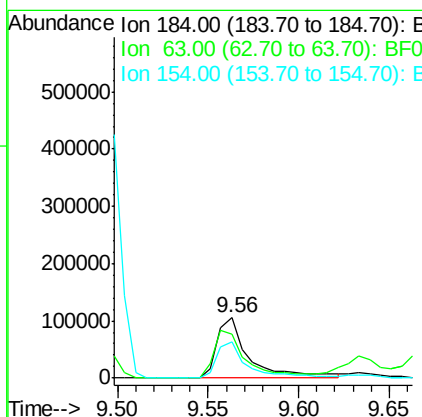
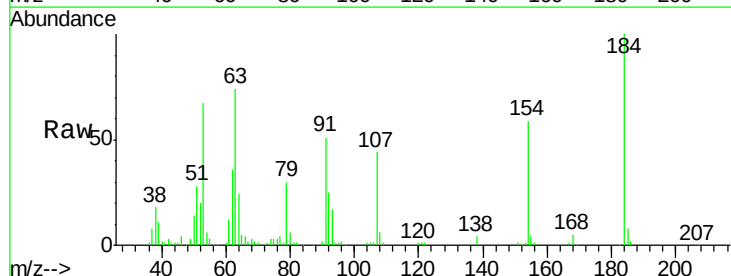
Instrument :
BNA_F
ClientSampleId :
A4129MSD

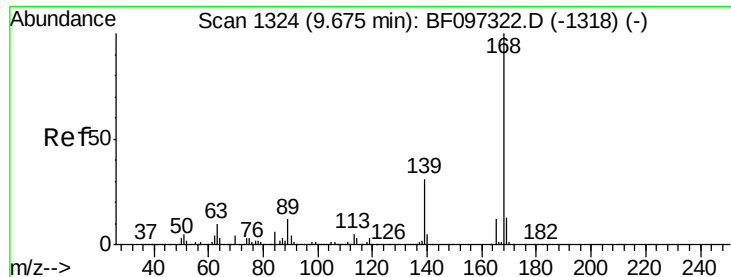
Tot Ion:138 Resp: 31571
Ion Ratio Lower Upper
138 100
108 9.8 9.1 13.7
92 104.3 93.8 140.6



#53
2,4-Dinitrophenol
Concen: 92.87 ng
RT: 9.56 min Scan# 1322
Delta R.T. -0.05 min
Lab File: BF097359.D
Acq: 4 Aug 2017 16:48

Tgt Ion:184 Resp: 129379
Ion Ratio Lower Upper
184 100
63 73.6 62.7 94.1
154 59.0 81.1 121.7#

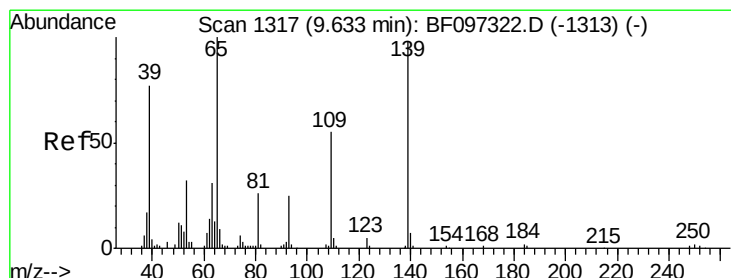
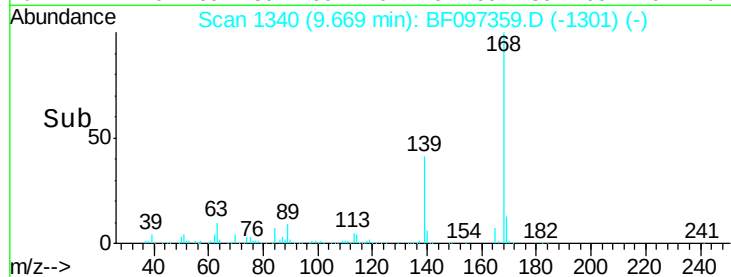
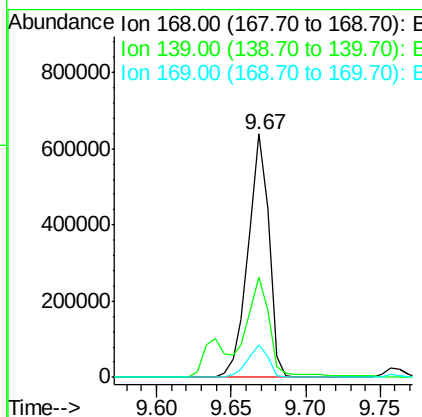
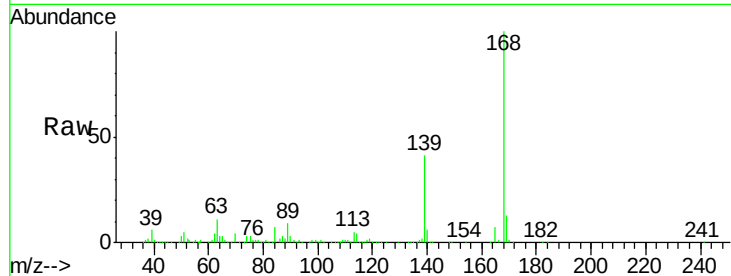




#54
Dibenzenofuran
Concen: 42.62 ng
RT: 9.67 min Scan# 1340
Delta R.T. -0.07 min
Lab File: BF097359.D
Acq: 4 Aug 2017 16:48

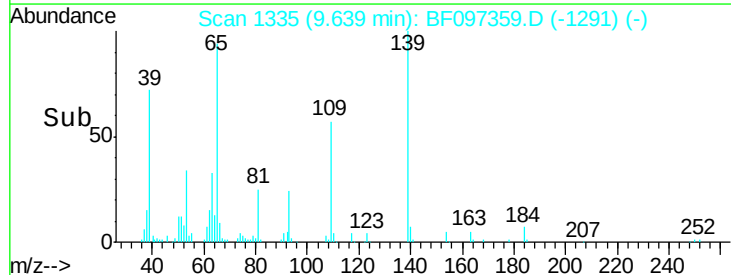
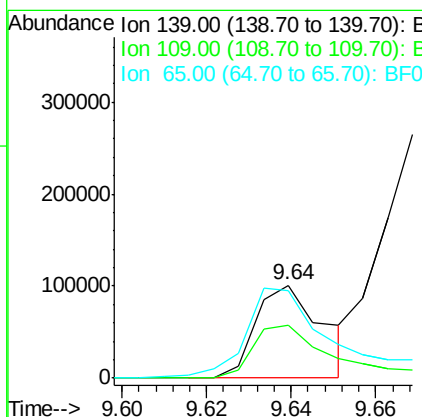
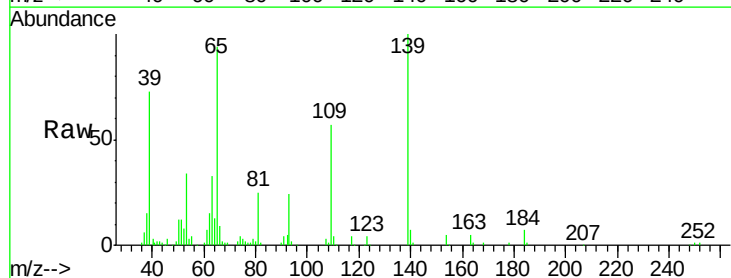
Instrument :
BNA_F
ClientSampleId :
A4129MSD

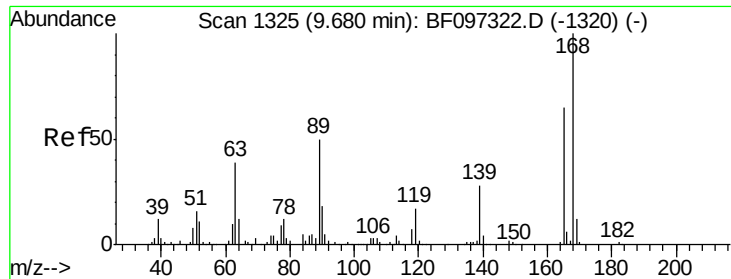
Tot Ion:168 Resp: 613690
Ion Ratio Lower Upper
168 100
139 41.4 30.6 45.8
169 13.3 10.8 16.2



#55
4-Nitrophenol
Concen: 49.70 ng
RT: 9.64 min Scan# 1335
Delta R.T. -0.04 min
Lab File: BF097359.D
Acq: 4 Aug 2017 16:48

Tgt Ion:139 Resp: 112396
Ion Ratio Lower Upper
139 100
109 56.7 34.1 74.1
65 93.6 31.4 71.4#

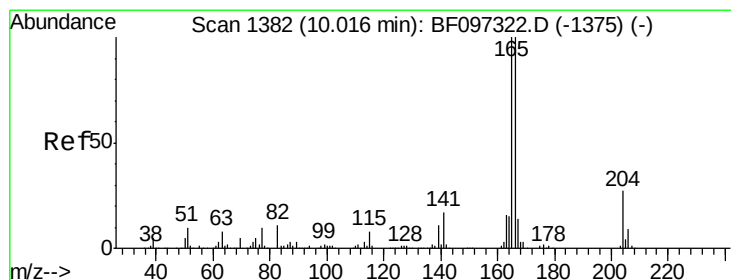
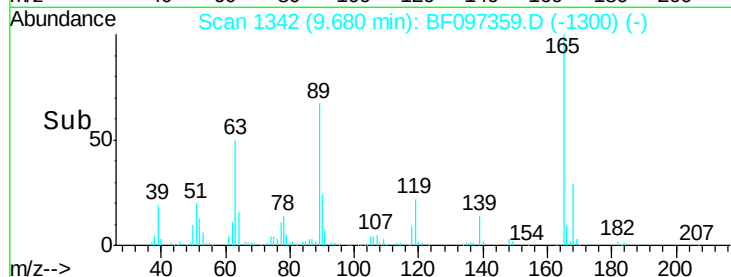
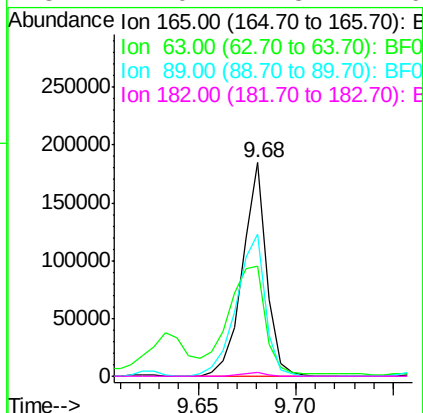
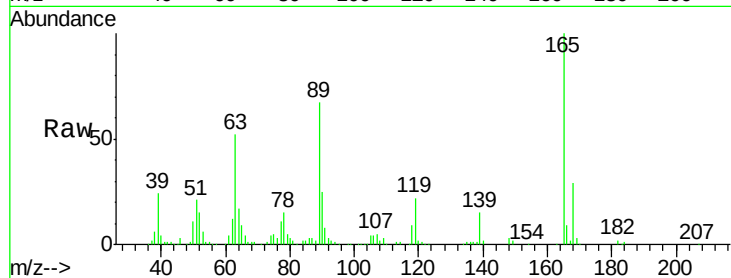




#56
 2,4-Dinitrotoluene
 Concen: 44.61 ng
 RT: 9.68 min Scan# 1342
 Delta R.T. -0.05 min
 Lab File: BF097359.D
 Acq: 4 Aug 2017 16:48

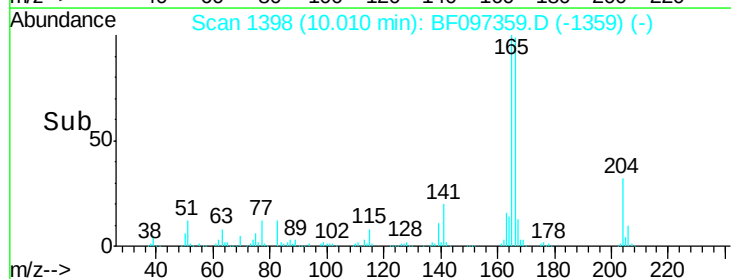
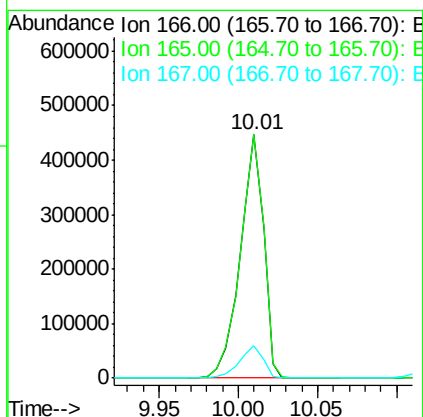
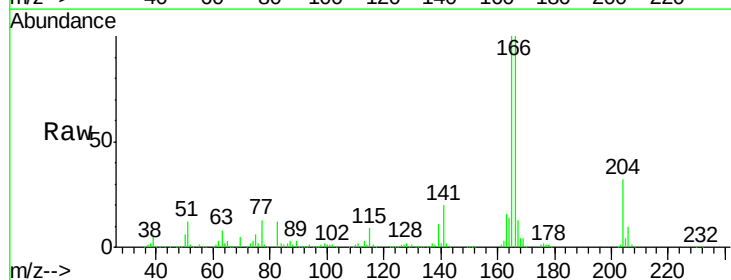
Instrument :
 BNA_F
 ClientSampleId :
 A4129MSD

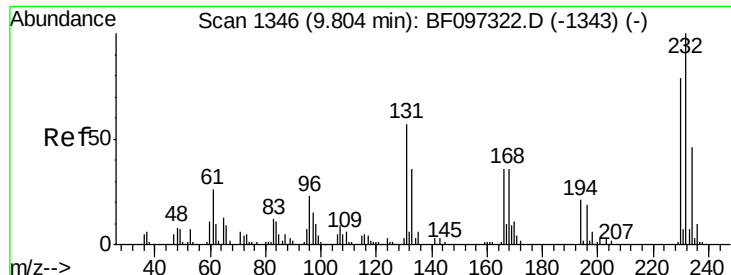
Tot Ion:	165	Resp:	157135
Ion	Ratio	Lower	Upper
165	100		
63	51.6	25.4	38.0#
89	66.6	46.4	69.6
182	2.0	1.8	2.6



#57
 Fluorene
 Concen: 41.95 ng
 RT: 10.01 min Scan# 1398
 Delta R.T. -0.07 min
 Lab File: BF097359.D
 Acq: 4 Aug 2017 16:48

Tgt Ion:	166	Resp:	454036
Ion	Ratio	Lower	Upper
166	100		
165	100.0	78.8	118.2
167	13.5	10.6	16.0

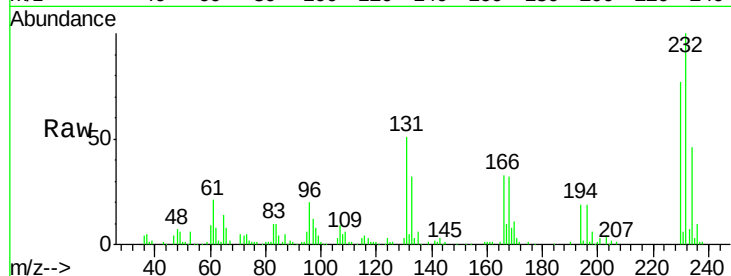




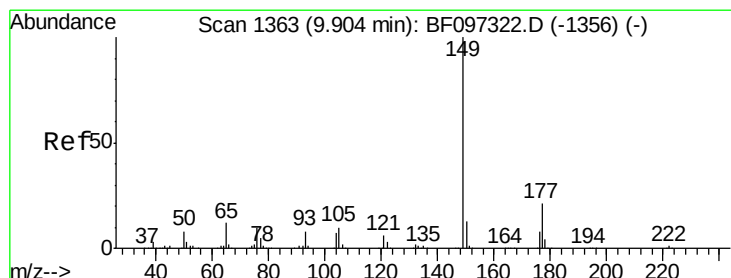
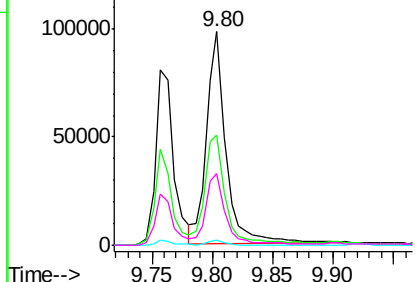
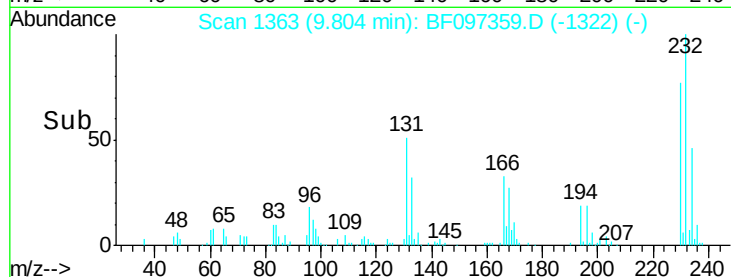
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 42.91 ng
 RT: 9.80 min Scan# 1363
 Delta R.T. -0.06 min
 Lab File: BF097359.D
 Acq: 4 Aug 2017 16:48

Instrument :
 BNA_F
 ClientSampleId :
 A4129MSD

Tot Ion:	232	Resp:	109075
Ion	Ratio	Lower	Upper
232	100		
131	54.0	44.8	67.2
130	2.3	2.3	3.5#
166	33.4	29.0	43.4

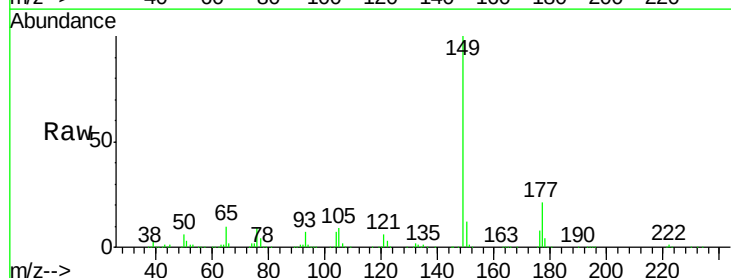


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

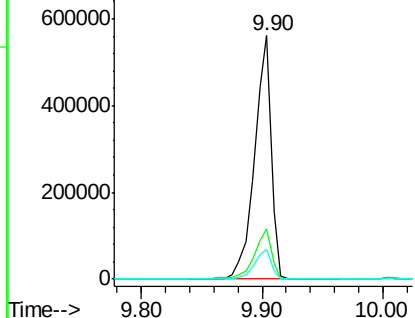
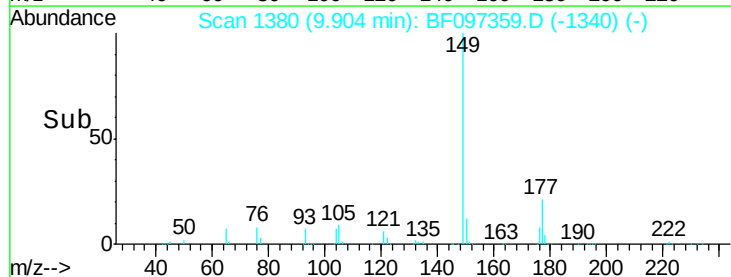


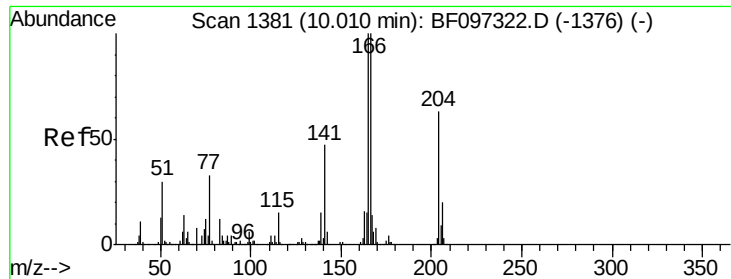
#59
 Diethylphthalate
 Concen: 40.97 ng
 RT: 9.90 min Scan# 1380
 Delta R.T. -0.06 min
 Lab File: BF097359.D
 Acq: 4 Aug 2017 16:48

Tgt Ion:	149	Resp:	542962
Ion	Ratio	Lower	Upper
149	100		
177	20.6	16.7	25.1
150	12.1	10.2	15.2



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E

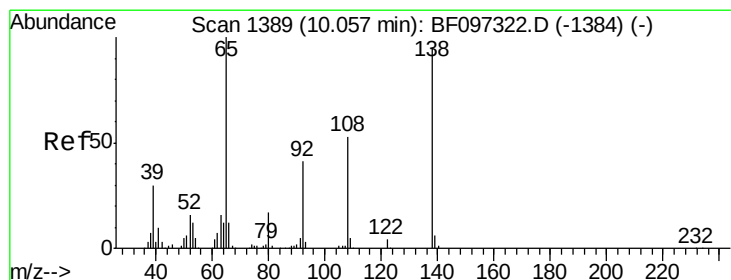
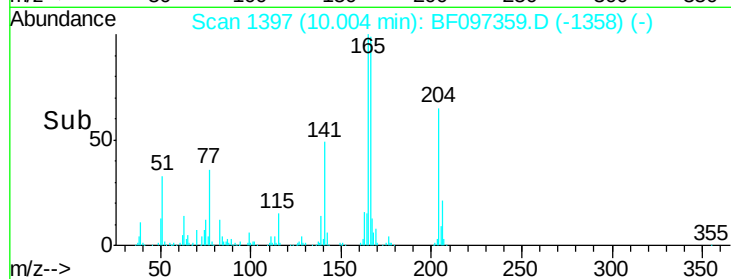
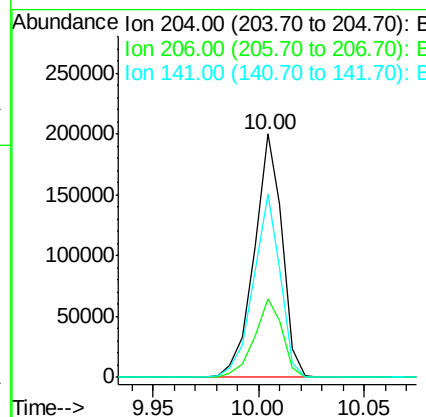
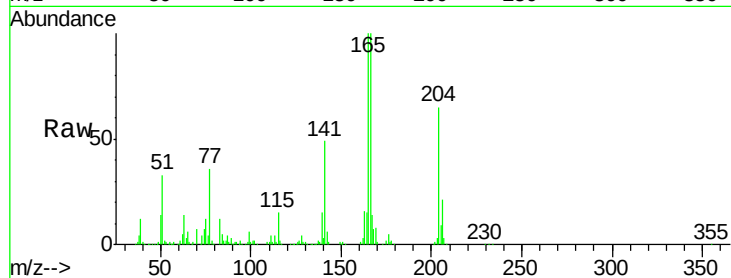




#60
4-Chlorophenyl-phenylether
Concen: 41.12 ng
RT: 10.00 min Scan# 1397
Delta R.T. -0.07 min
Lab File: BF097359.D
Acq: 4 Aug 2017 16:48

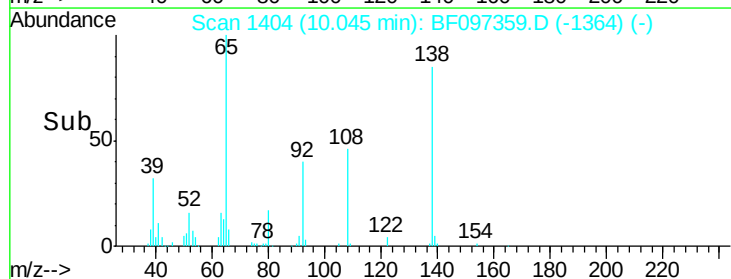
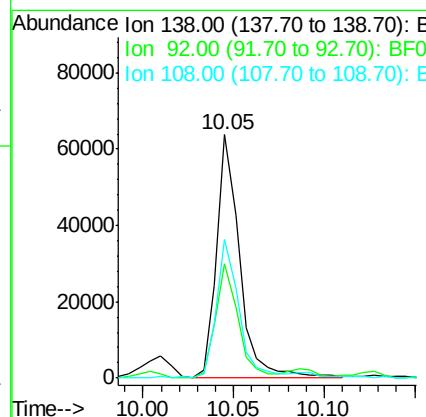
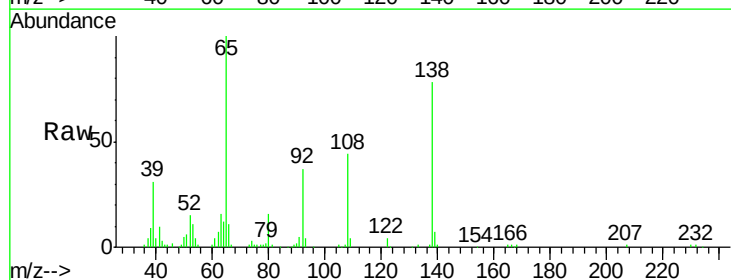
Instrument :
BNA_F
ClientSampled :
A4129MSD

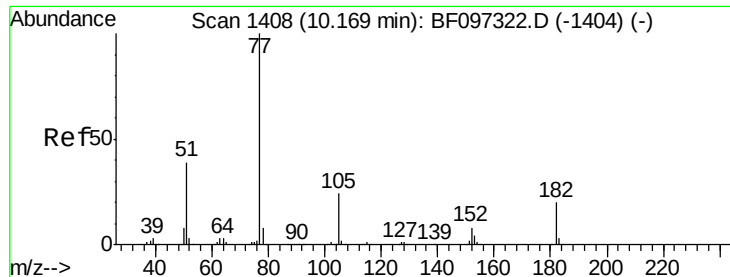
Tot Ion:204 Resp: 183769
Ion Ratio Lower Upper
204 100
206 32.2 26.2 39.2
141 75.4 60.8 91.2



#61
4-Nitroaniline
Concen: 15.71 ng
RT: 10.05 min Scan# 1404
Delta R.T. -0.06 min
Lab File: BF097359.D
Acq: 4 Aug 2017 16:48

Tgt Ion:138 Resp: 56766
Ion Ratio Lower Upper
138 100
92 46.9 21.8 61.8
108 56.7 42.3 82.3





#62

Azobenzene

Concen: 39.81 ng

RT: 10.16 min Scan# 1424

Delta R.T. -0.07 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

Instrument :

BNA_F

ClientSampleId :

A4129MSD

Tot Ion: 77 Resp: 489485

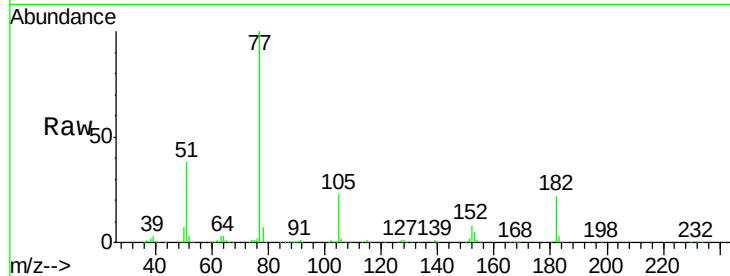
Ion Ratio Lower Upper

77 100

182 22.0 0.1 40.1

105 23.3 3.6 43.6

51 37.7 9.4 49.4

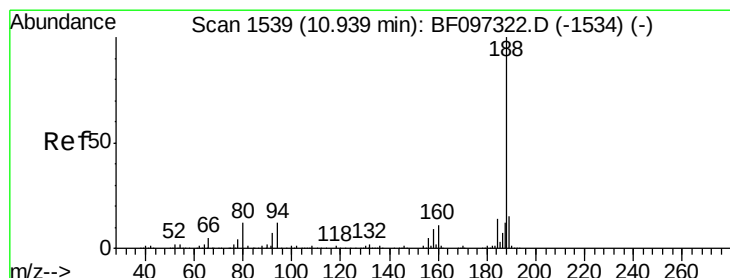
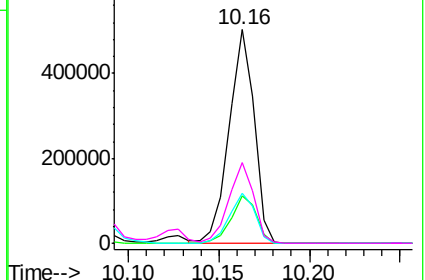
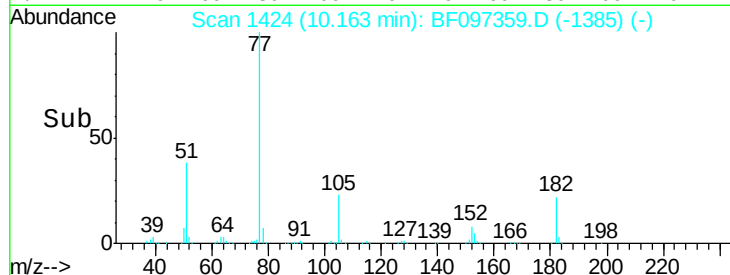


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 10.93 min Scan# 1555

Delta R.T. -0.07 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

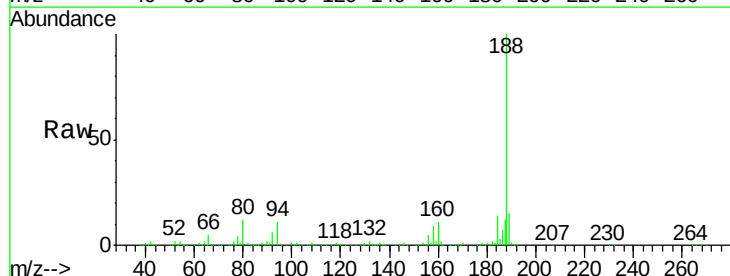
Tgt Ion: 188 Resp: 299648

Ion Ratio Lower Upper

188 100

94 11.4 9.4 14.2

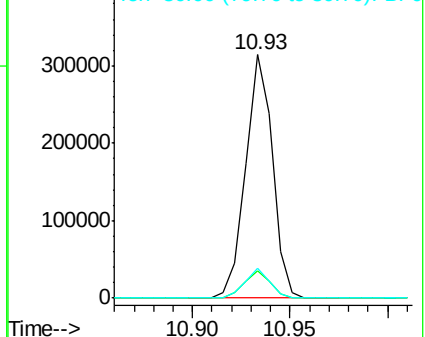
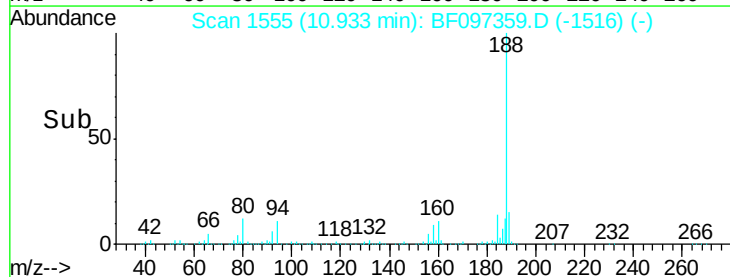
80 12.2 10.2 15.2

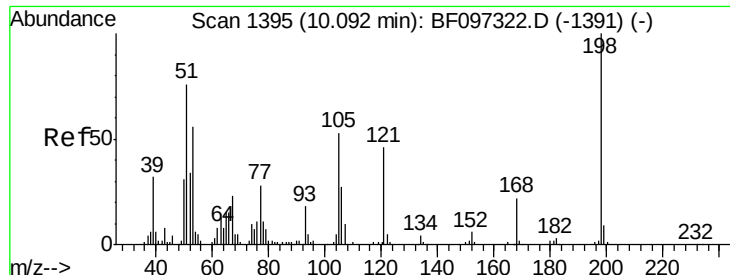


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

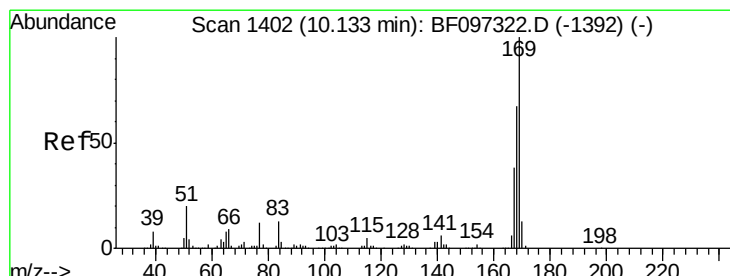
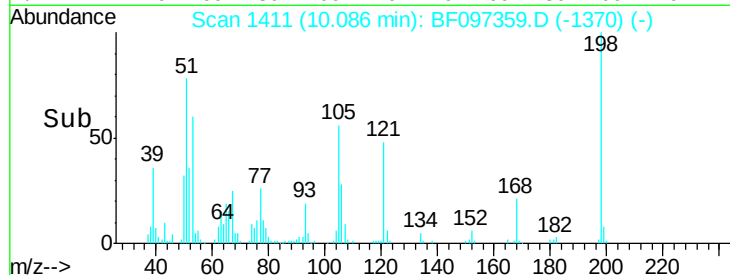
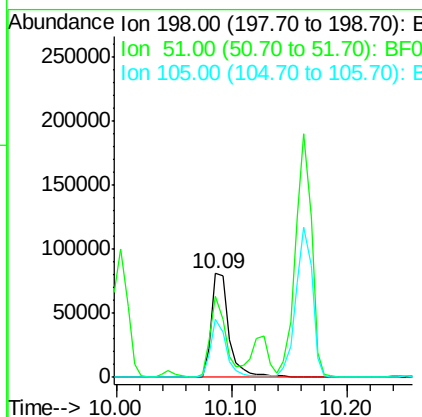
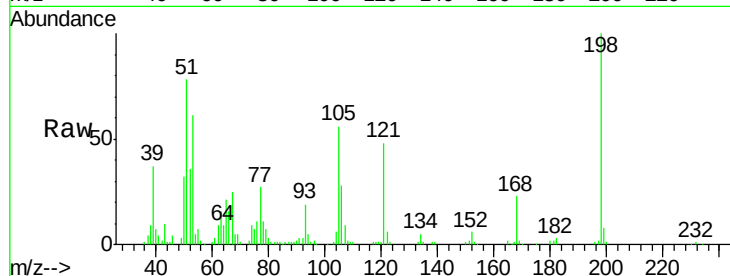




#64
4,6-Dinitro-2-methylphenol
Concen: 46.66 ng
RT: 10.09 min Scan# 1411
Delta R.T. -0.06 min
Lab File: BF097359.D
Acq: 4 Aug 2017 16:48

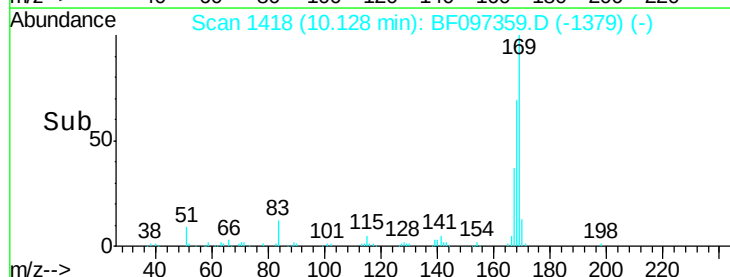
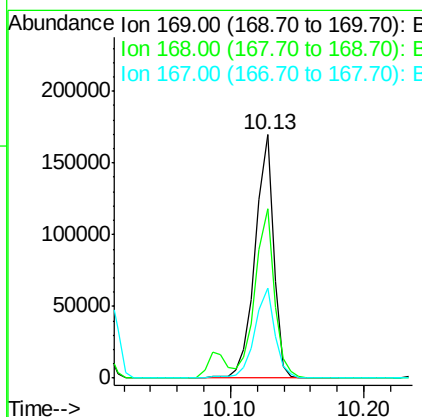
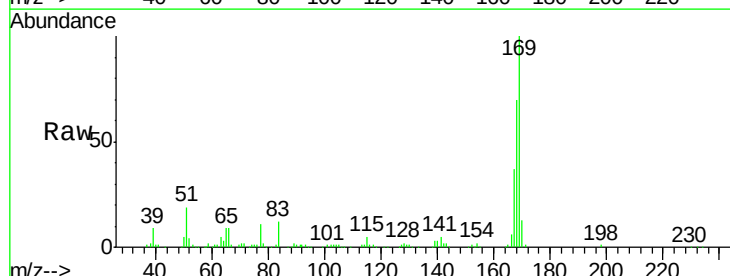
Instrument :
BNA_F
ClientSampleId :
A4129MSD

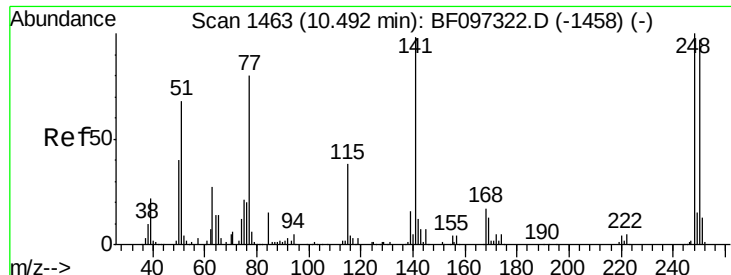
Tot Ion:198 Resp: 86886
Ion Ratio Lower Upper
198 100
51 77.9 53.2 93.2
105 55.6 45.8 85.8



#65
n-Nitrosodiphenylamine
Concen: 15.55 ng
RT: 10.13 min Scan# 1418
Delta R.T. -0.07 min
Lab File: BF097359.D
Acq: 4 Aug 2017 16:48

Tgt Ion:169 Resp: 162166
Ion Ratio Lower Upper
169 100
168 69.8 53.2 79.8
167 36.7 29.5 44.3

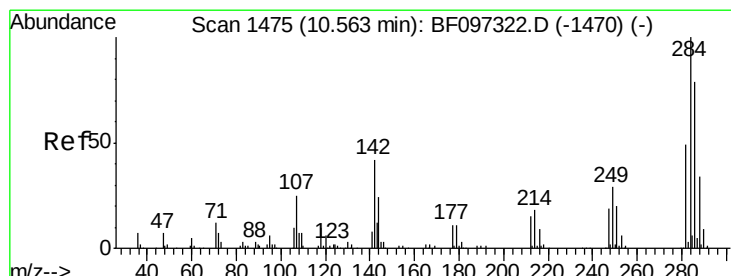
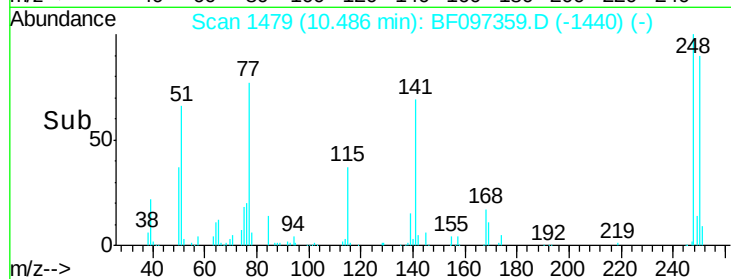
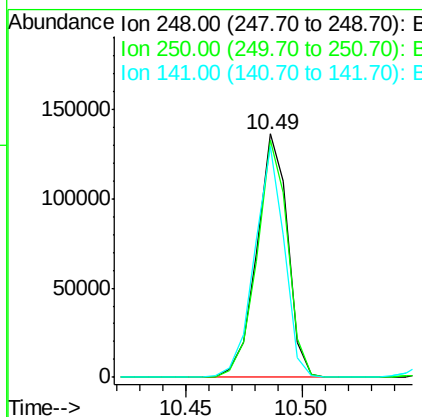
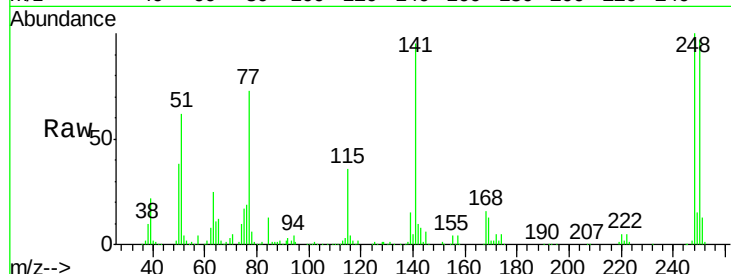




#66
 4-Bromophenyl-phenylether
 Concen: 42.54 ng
 RT: 10.49 min Scan# 1479
 Delta R.T. -0.07 min
 Lab File: BF097359.D
 Acq: 4 Aug 2017 16:48

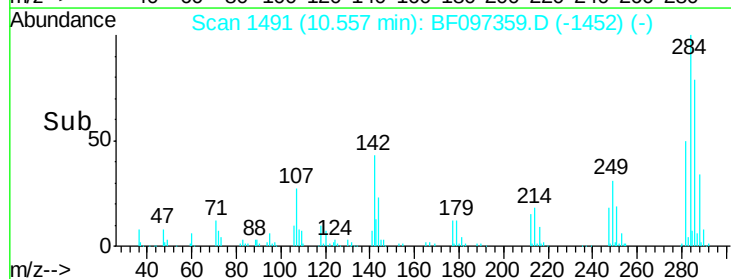
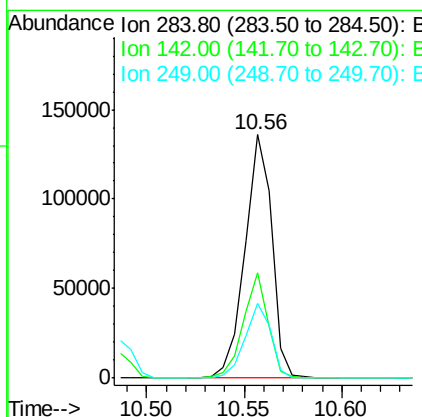
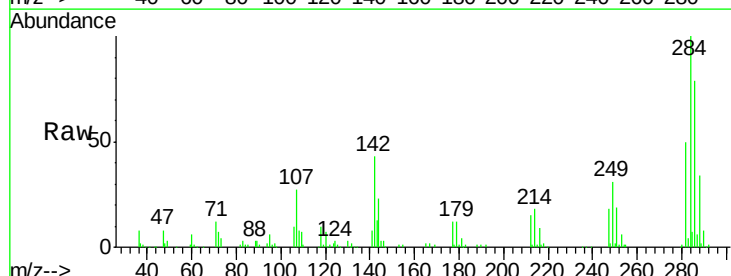
Instrument :
 BNA_F
 ClientSampleId :
 A4129MSD

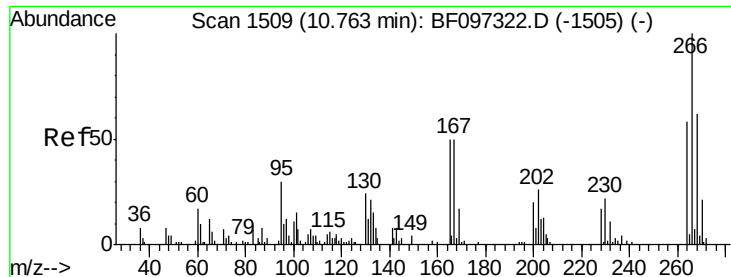
Tot Ion	Ratio	Lower	Upper
248	100		
250	97.2	76.8	115.2
141	94.9	68.6	103.0



#67
 Hexachlorobenzene
 Concen: 38.80 ng
 RT: 10.56 min Scan# 1491
 Delta R.T. -0.07 min
 Lab File: BF097359.D
 Acq: 4 Aug 2017 16:48

Tgt Ion	Ratio	Lower	Upper
284	100		
142	43.5	22.8	34.2#
249	30.8	24.0	36.0

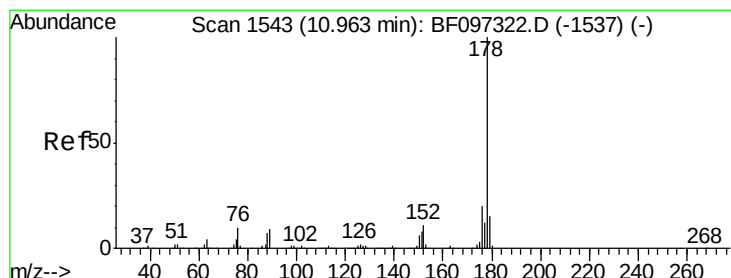
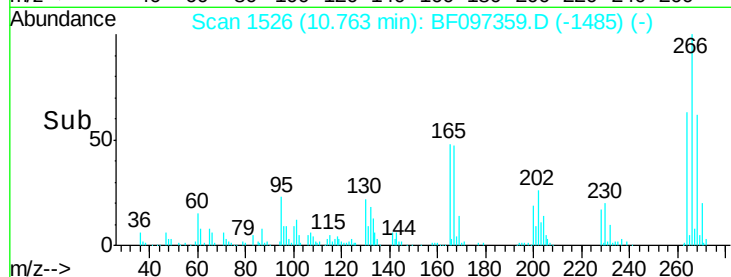
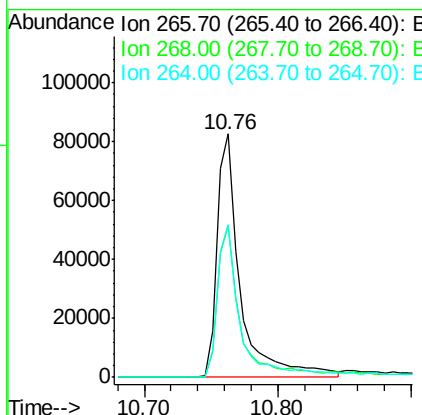
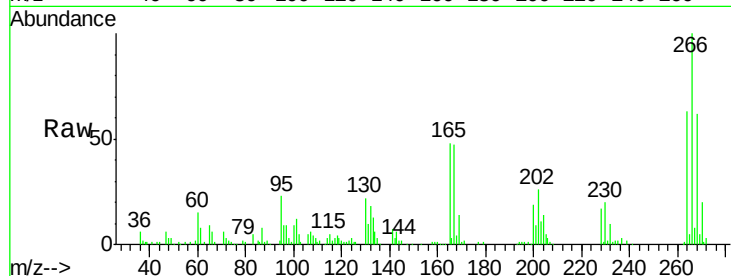




#69
 Pentachlorophenol
 Concen: 73.35 ng
 RT: 10.76 min Scan# 1526
 Delta R.T. -0.06 min
 Lab File: BF097359.D
 Acq: 4 Aug 2017 16:48

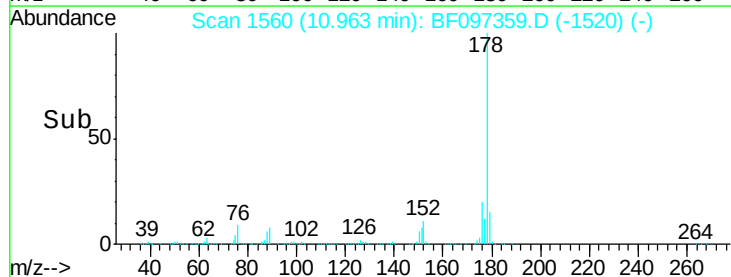
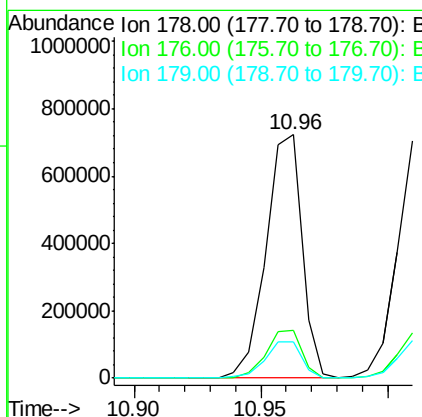
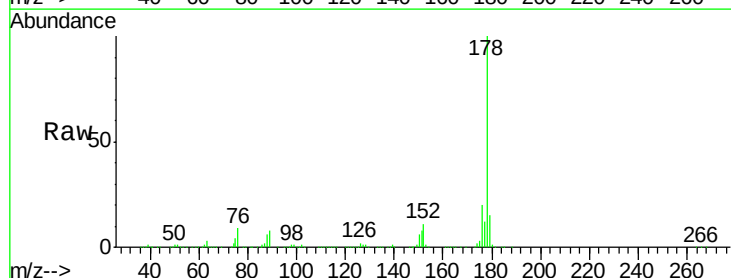
Instrument :
 BNA_F
 ClientSampleId :
 A4129MSD

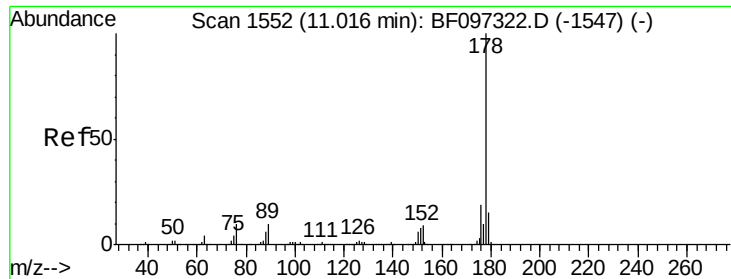
Tot Ion	Ratio	Lower	Upper
266	100		
268	62.3	51.1	76.7
264	62.7	51.7	77.5



#70
 Phenanthrene
 Concen: 44.67 ng
 RT: 10.96 min Scan# 1560
 Delta R.T. -0.06 min
 Lab File: BF097359.D
 Acq: 4 Aug 2017 16:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	15.0	12.6	19.0

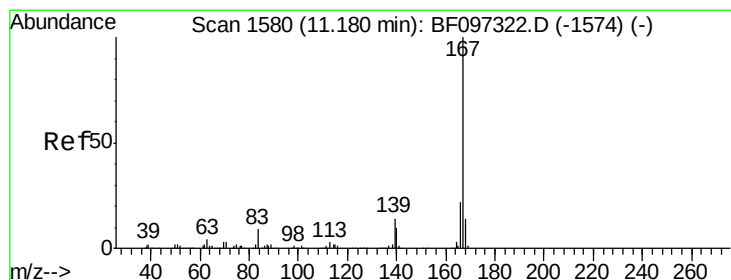
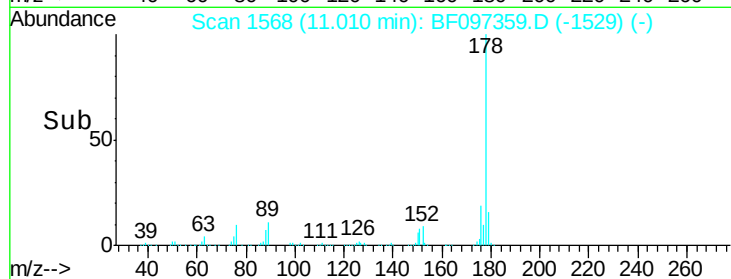
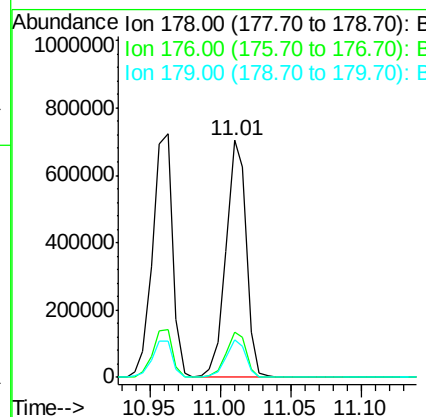
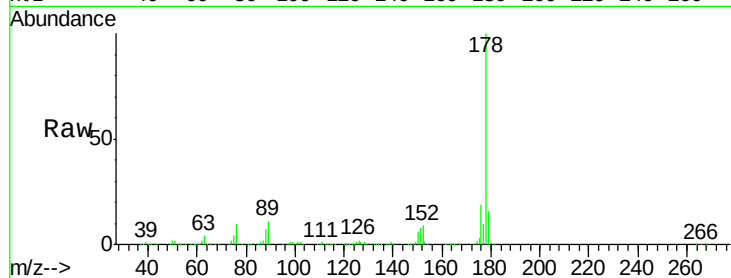




#71
 Anthracene
 Concen: 42.83 ng
 RT: 11.01 min Scan# 1568
 Delta R.T. -0.07 min
 Lab File: BF097359.D
 Acq: 4 Aug 2017 16:48

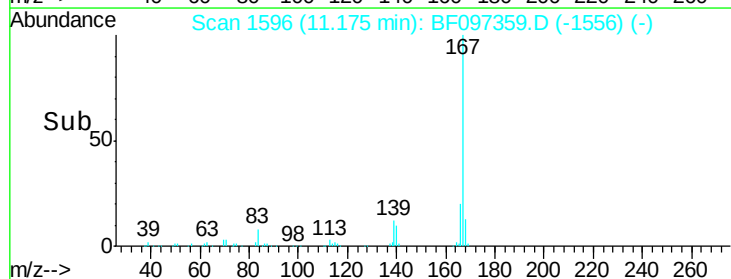
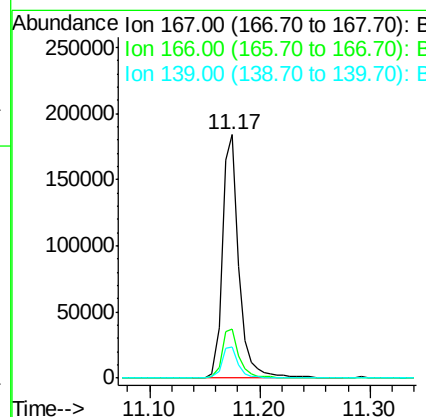
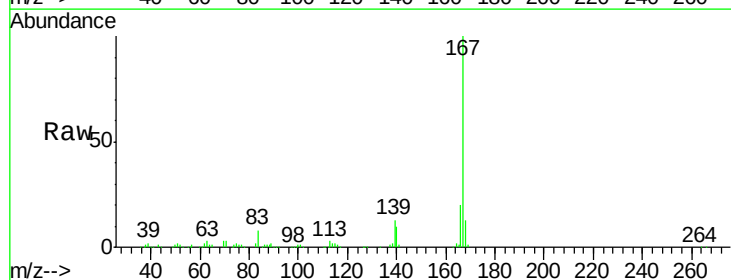
Instrument :
 BNA_F
 ClientSampleId :
 A4129MSD

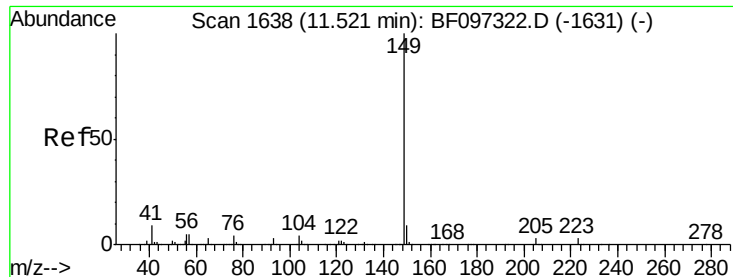
Tot Ion:178 Resp: 704350
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 15.8 12.7 19.1



#72
 Carbazole
 Concen: 11.86 ng
 RT: 11.17 min Scan# 1596
 Delta R.T. -0.06 min
 Lab File: BF097359.D
 Acq: 4 Aug 2017 16:48

Tgt Ion:167 Resp: 191832
 Ion Ratio Lower Upper
 167 100
 166 20.4 18.1 27.1
 139 12.5 11.7 17.5





#73

Di-n-butylphthalate

Concen: 45.42 ng

RT: 11.51 min Scan# 1653

Delta R.T. -0.07 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

Instrument :

BNA_F

ClientSampleId :

A4129MSD

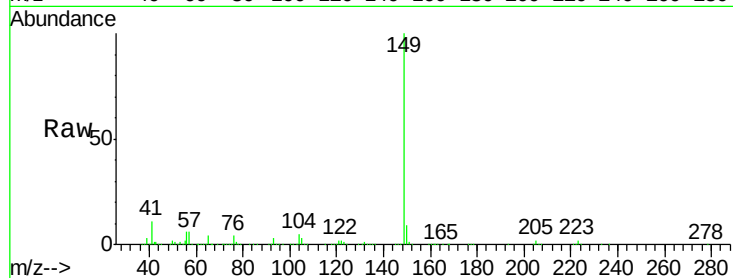
Tot Ion:149 Resp: 907952

Ion Ratio Lower Upper

149 100

150 9.3 7.7 11.5

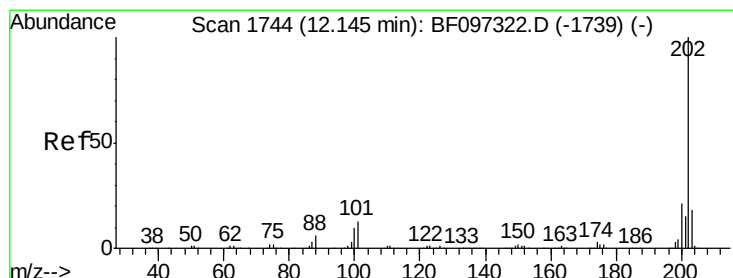
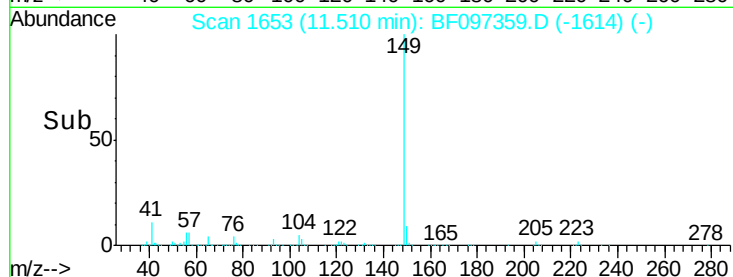
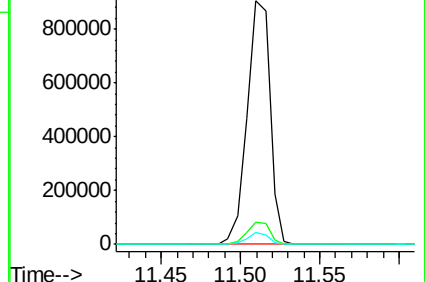
104 4.7 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 42.69 ng

RT: 12.14 min Scan# 1760

Delta R.T. -0.07 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

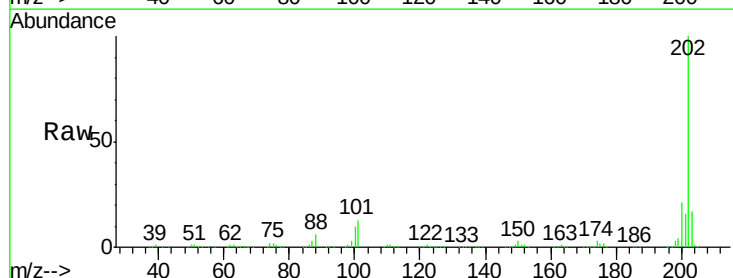
Tgt Ion:202 Resp: 671492

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.2

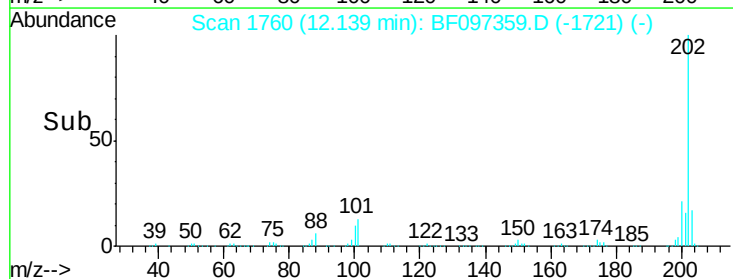
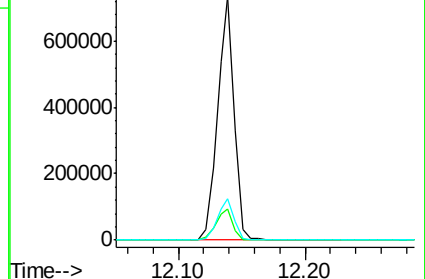
203 17.0 0.0 38.1

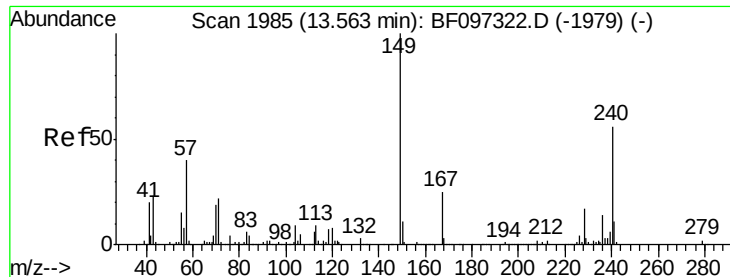


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.56 min Scan# 2001

Delta R.T. -0.07 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

Instrument :

BNA_F

ClientSampleId :

A4129MSD

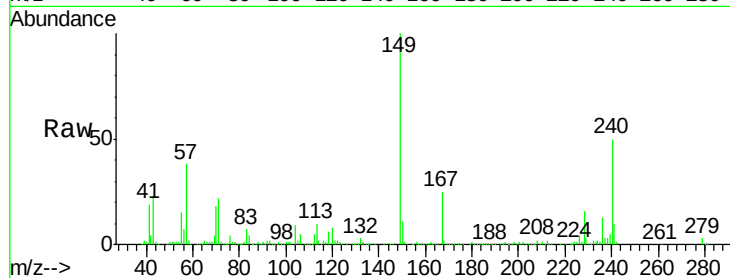
Tot Ion:240 Resp: 200590

Ion Ratio Lower Upper

240 100

120 15.1 5.8 8.8#

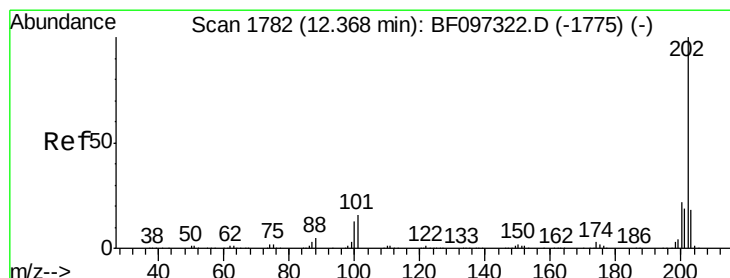
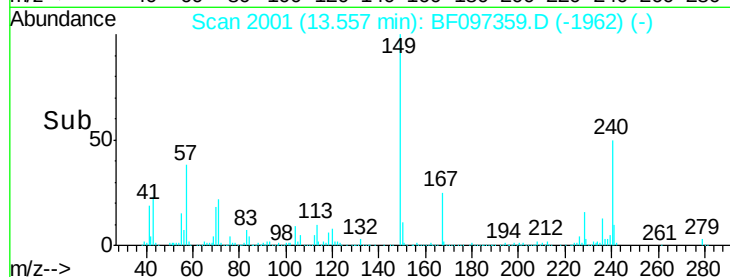
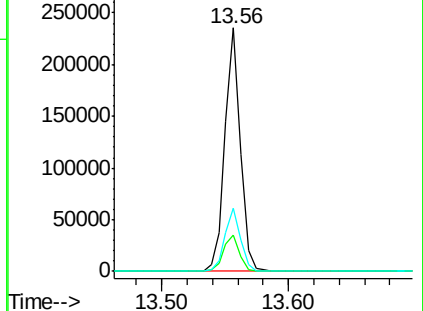
236 26.1 20.5 30.7



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



#77

Pyrene

Concen: 41.84 ng

RT: 12.36 min Scan# 1798

Delta R.T. -0.07 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

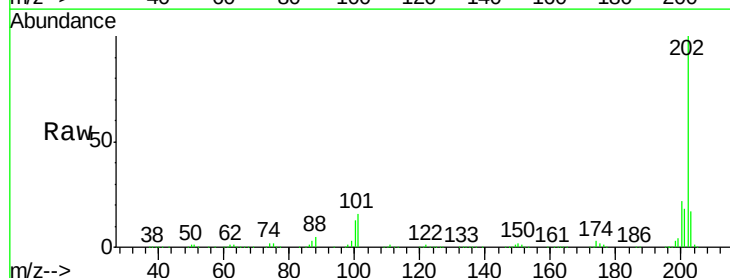
Tgt Ion:202 Resp: 687012

Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

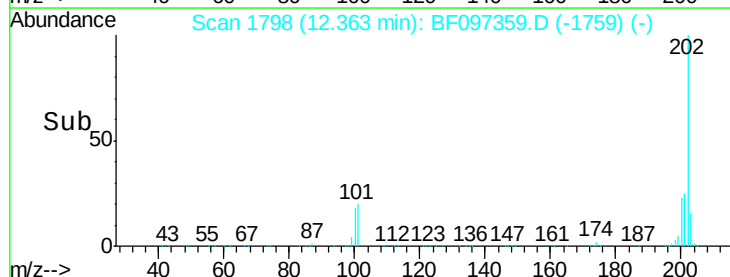
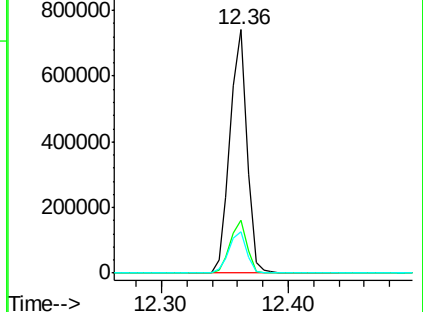
203 17.1 14.4 21.6

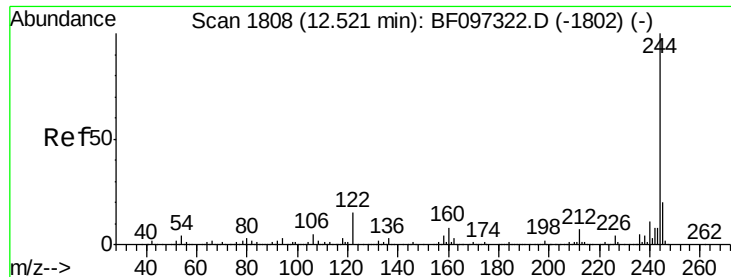


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 79.64 ng

RT: 12.52 min Scan# 1824

Delta R.T. -0.07 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

Instrument :

BNA_F

ClientSampleId :

A4129MSD

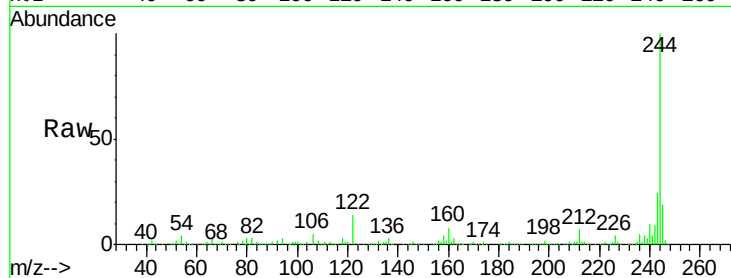
Tot Ion:244 Resp: 783574

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

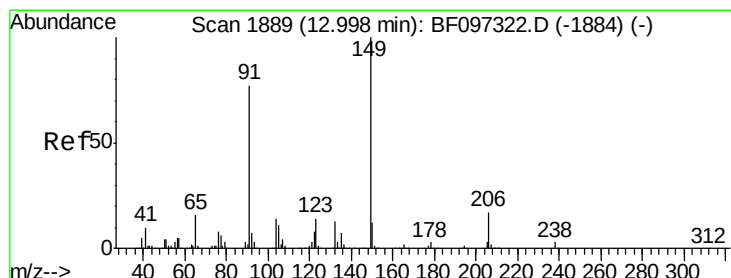
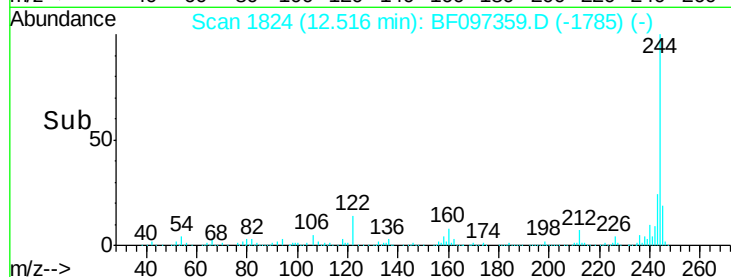
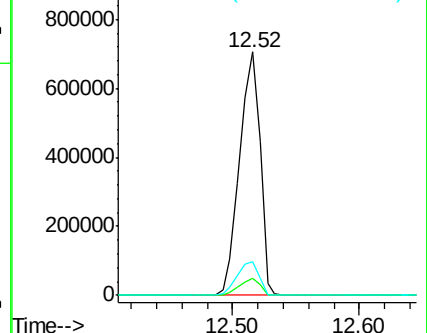
122 14.1 10.3 15.5



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



#79

Butylbenzylphthalate

Concen: 40.68 ng

RT: 12.99 min Scan# 1905

Delta R.T. -0.08 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

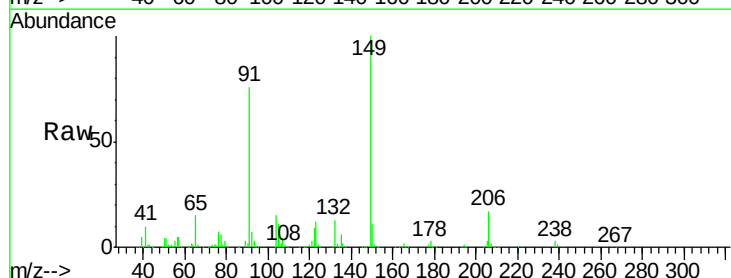
Tgt Ion:149 Resp: 339780

Ion Ratio Lower Upper

149 100

91 75.8 45.0 67.4#

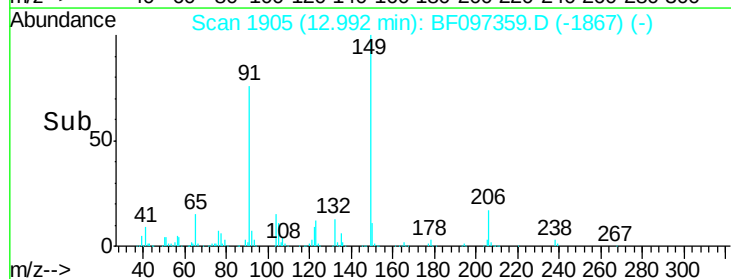
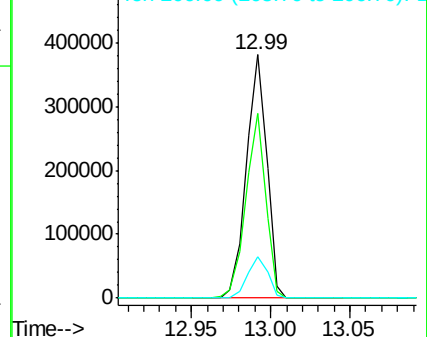
206 16.9 17.0 25.6#

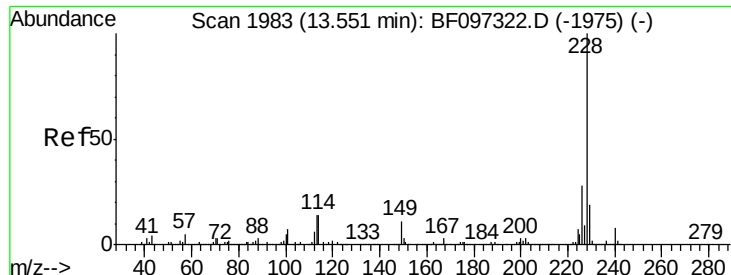


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 40.42 ng

RT: 13.54 min Scan# 1999

Delta R.T. -0.07 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

Instrument :

BNA_F

ClientSampleId :

A4129MSD

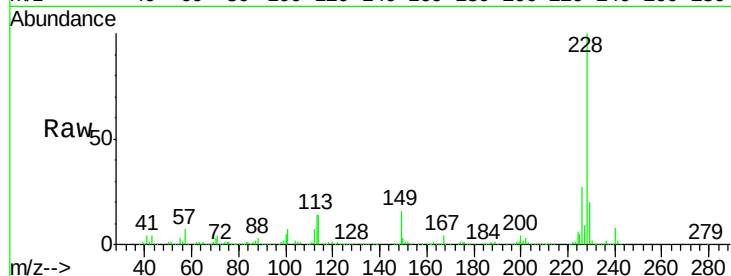
Tot Ion:228 Resp: 524556

Ion Ratio Lower Upper

228 100

226 27.4 22.6 33.8

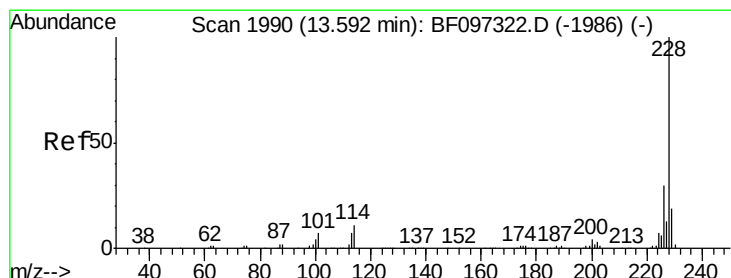
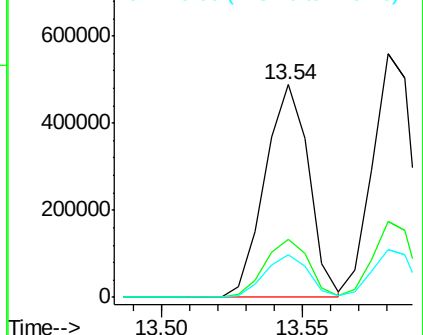
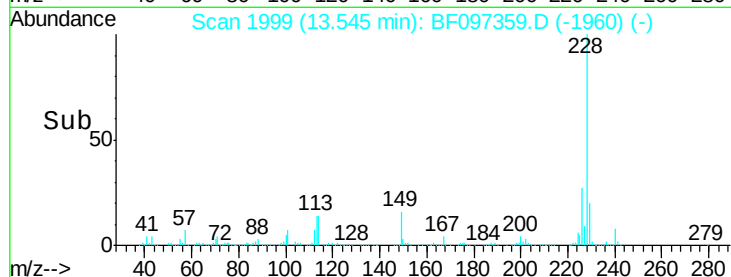
229 20.2 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 43.03 ng

RT: 13.58 min Scan# 2005

Delta R.T. -0.08 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

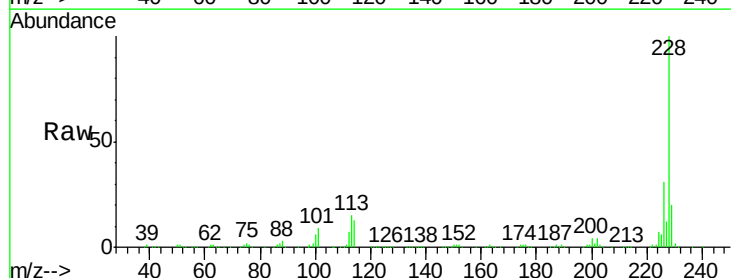
Tgt Ion:228 Resp: 545340

Ion Ratio Lower Upper

228 100

226 31.2 24.9 37.3

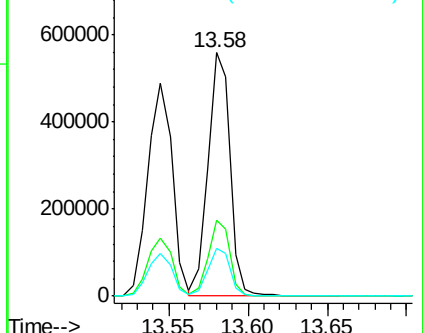
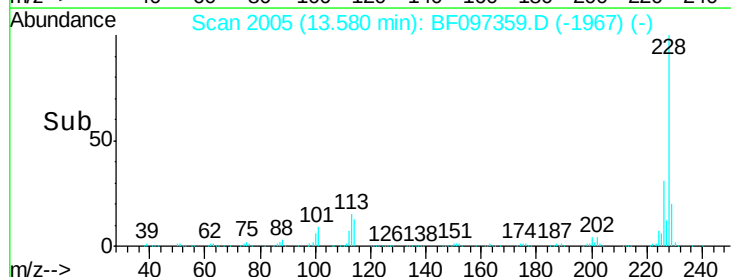
229 19.8 15.8 23.6

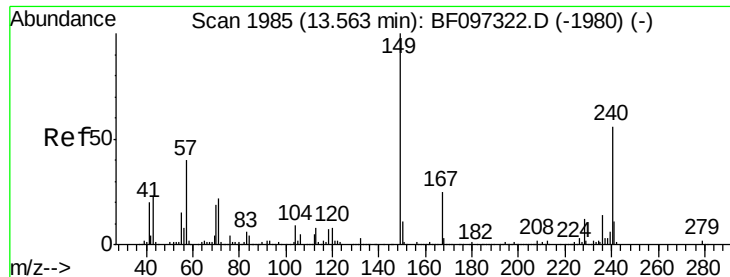


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 41.77 ng

RT: 13.56 min Scan# 2001

Delta R.T. -0.08 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

Instrument :

BNA_F

ClientSampleId :

A4129MSD

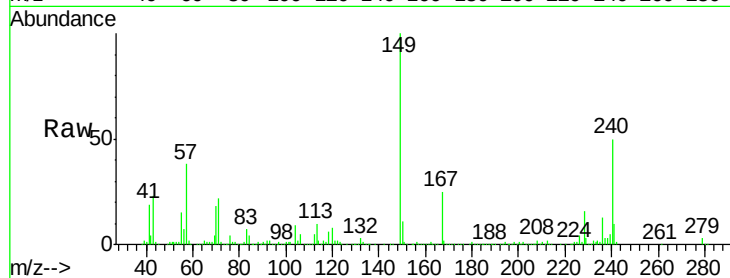
Tot Ion:149 Resp: 455571

Ion Ratio Lower Upper

149 100

167 25.2 21.0 31.4

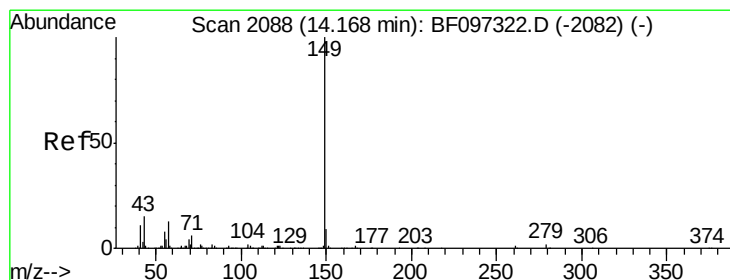
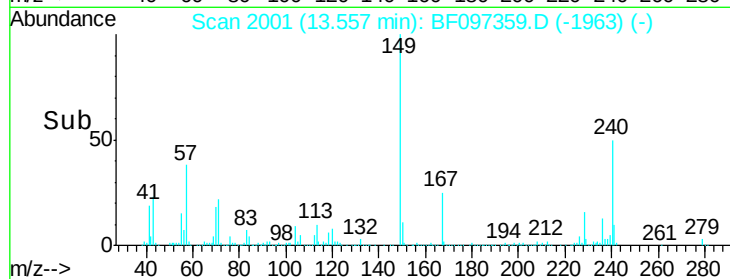
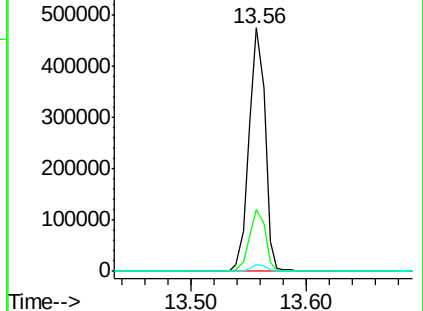
279 2.6 1.9 2.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 39.12 ng

RT: 14.16 min Scan# 2104

Delta R.T. -0.08 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

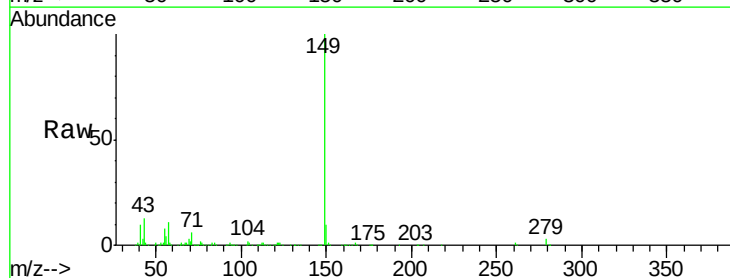
Tgt Ion:149 Resp: 782922

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

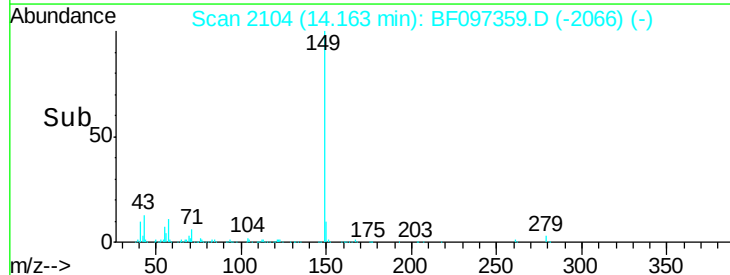
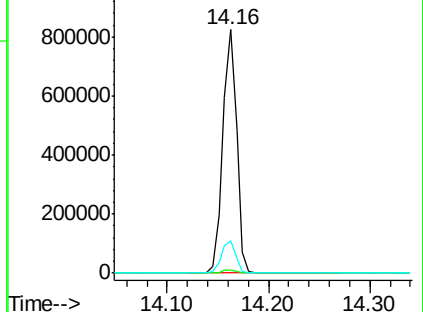
43 13.5 8.5 12.7#

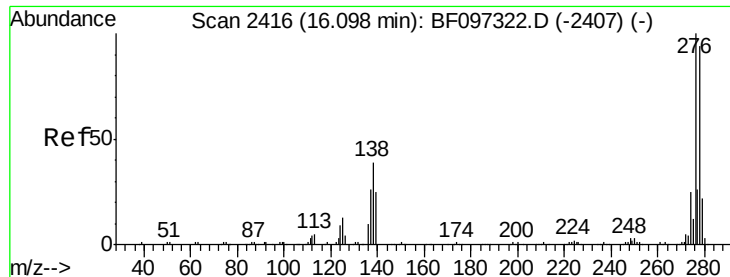


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

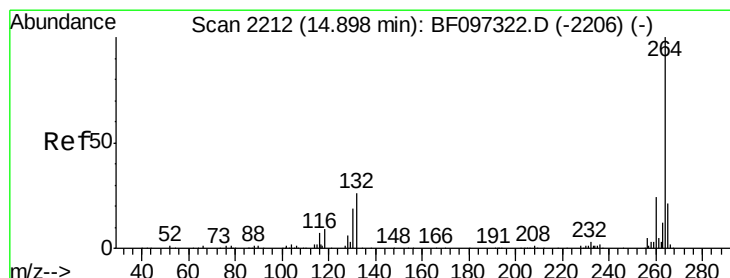
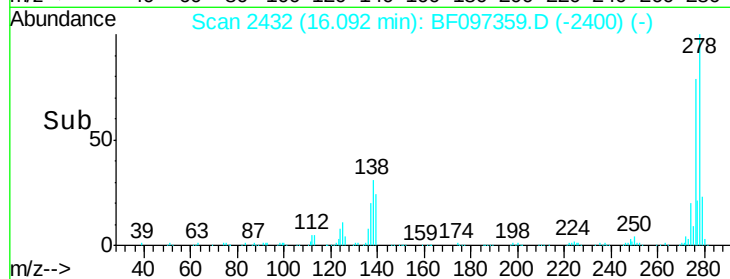
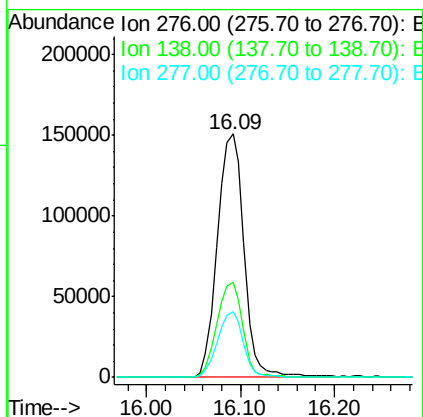
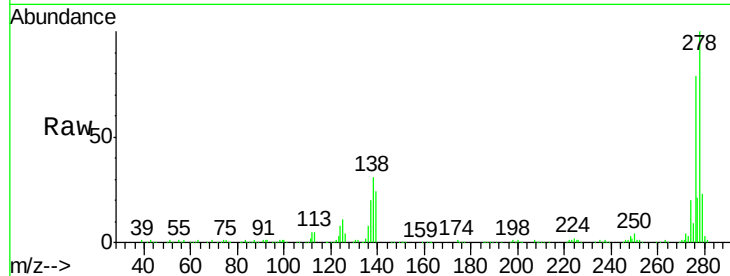




#85
Indeno(1,2,3-cd)pyrene
Concen: 27.58 ng
RT: 16.09 min Scan# 2432
Delta R.T. -0.11 min
Lab File: BF097359.D
Acq: 4 Aug 2017 16:48

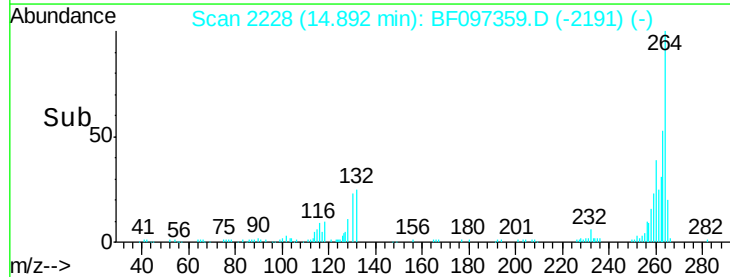
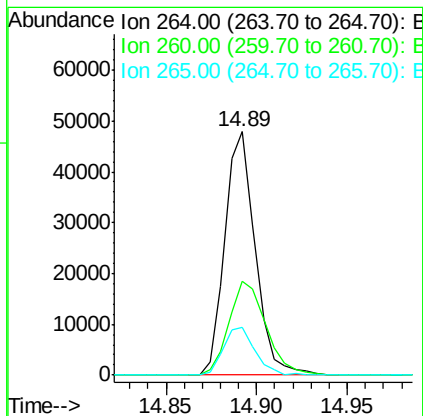
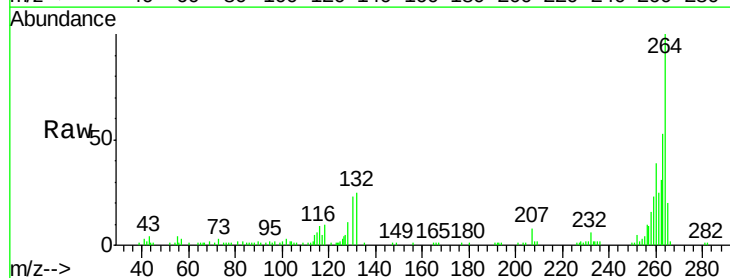
Instrument :
BNA_F
ClientSampleId :
A4129MSD

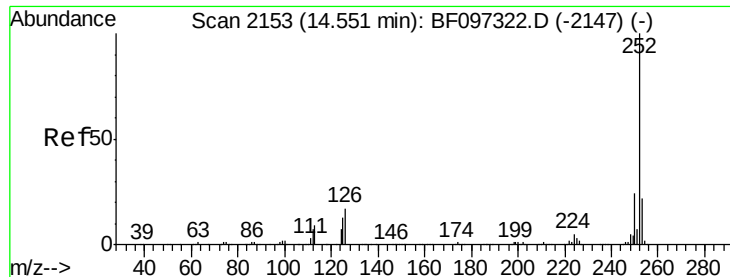
Tot Ion	Ratio	Lower	Upper
276	100		
138	37.9	27.8	41.6
277	26.0	20.2	30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 14.89 min Scan# 2228
Delta R.T. -0.08 min
Lab File: BF097359.D
Acq: 4 Aug 2017 16:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	38.5	19.5	29.3#
265	19.7	17.2	25.8

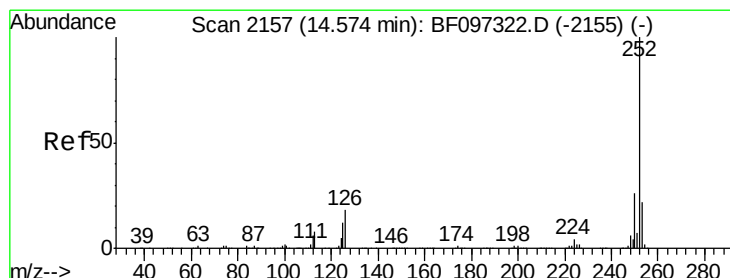
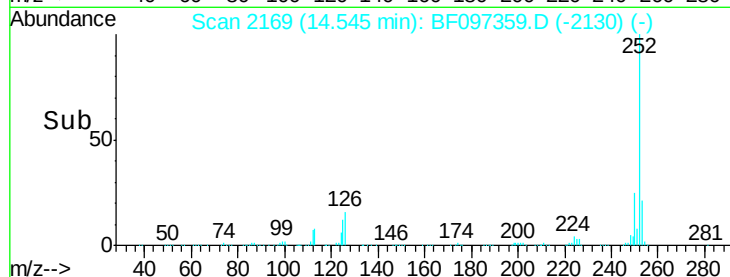
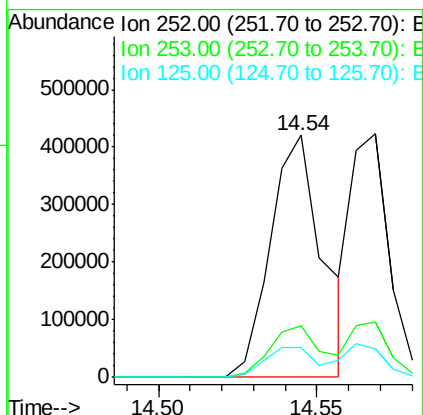
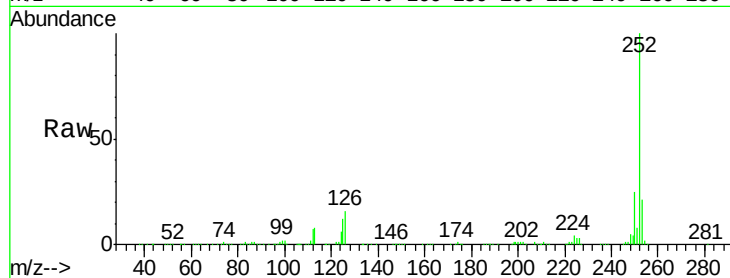




#87
Benzo(b)fluoranthene
Concen: 142.93 ng
RT: 14.54 min Scan# 2169
Delta R.T. -0.07 min
Lab File: BF097359.D
Acq: 4 Aug 2017 16:48

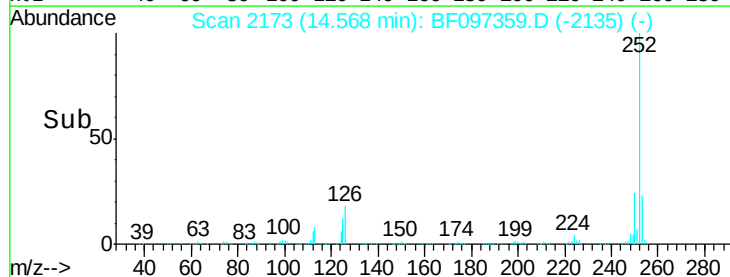
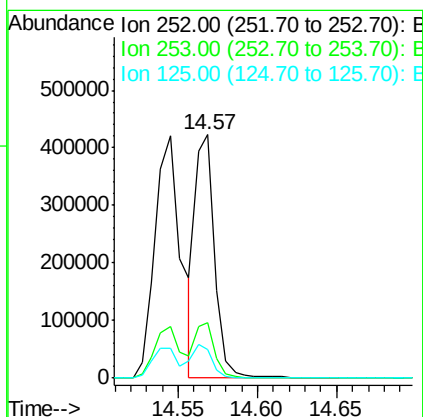
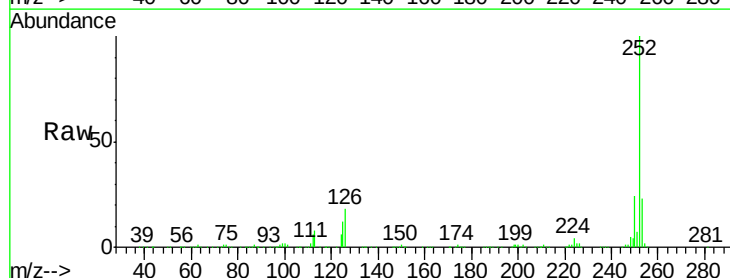
Instrument :
BNA_F
ClientSampleId :
A4129MSD

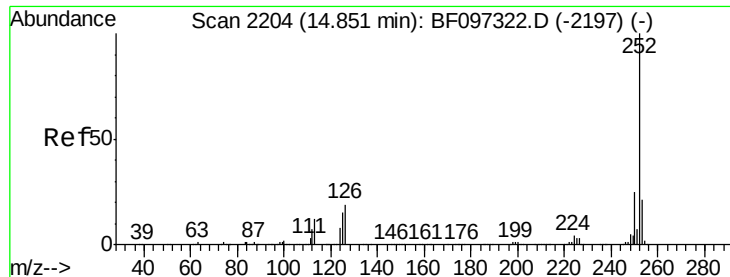
Tot Ion:252 Resp: 479744
Ion Ratio Lower Upper
252 100
253 21.3 18.1 27.1
125 12.4 9.8 14.8



#88
Benzo(k)fluoranthene
Concen: 113.09 ng
RT: 14.57 min Scan# 2173
Delta R.T. -0.08 min
Lab File: BF097359.D
Acq: 4 Aug 2017 16:48

Tgt Ion:252 Resp: 361708
Ion Ratio Lower Upper
252 100
253 22.9 18.4 27.6
125 11.8 13.1 19.7#





#89

Benzo(a)pyrene

Concen: 104.06 ng

RT: 14.84 min Scan# 2219

Delta R.T. -0.08 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

Instrument :

BNA_F

ClientSampleId :

A4129MSD

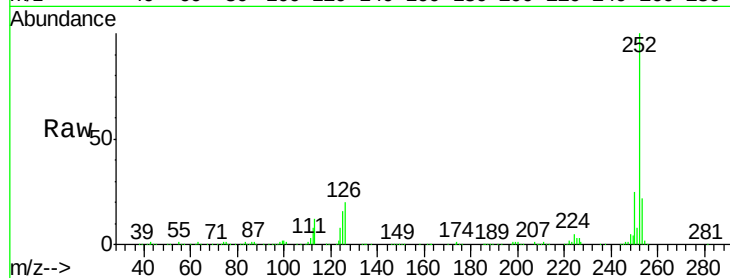
Tot Ion:252 Resp: 319667

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

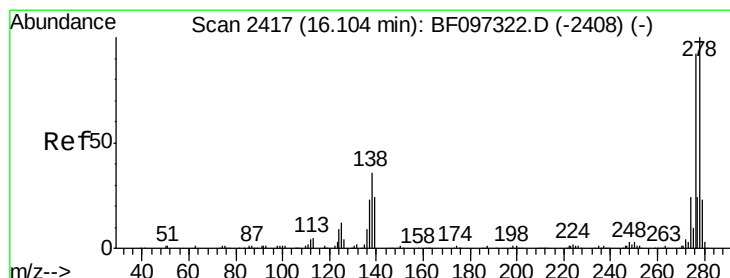
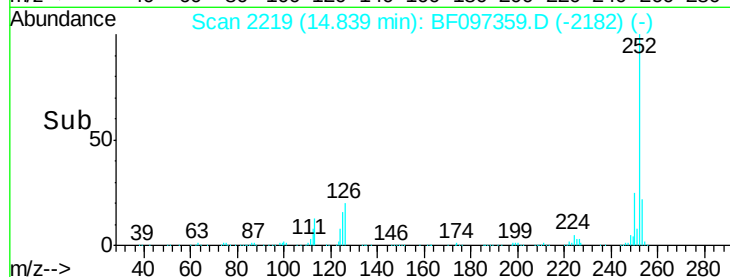
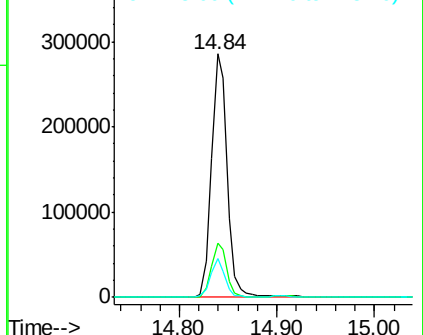
125 15.9 11.0 16.4



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



#90

Dibenzo(a,h)anthracene

Concen: 125.65 ng

RT: 16.09 min Scan# 2432

Delta R.T. -0.12 min

Lab File: BF097359.D

Acq: 4 Aug 2017 16:48

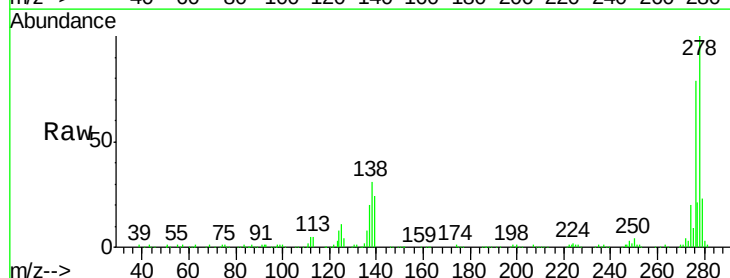
Tgt Ion:278 Resp: 316528

Ion Ratio Lower Upper

278 100

139 24.3 16.6 24.8

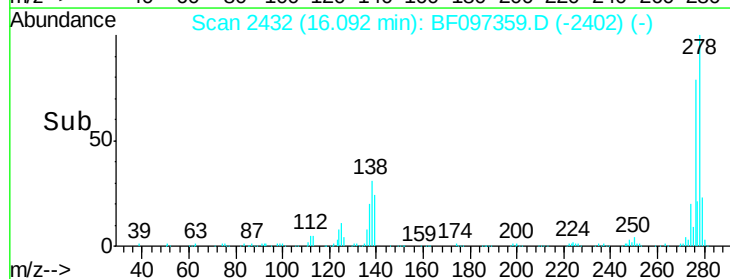
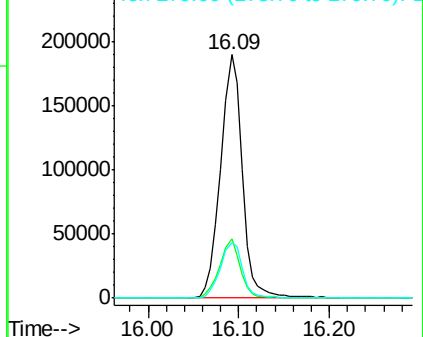
279 22.6 19.3 28.9

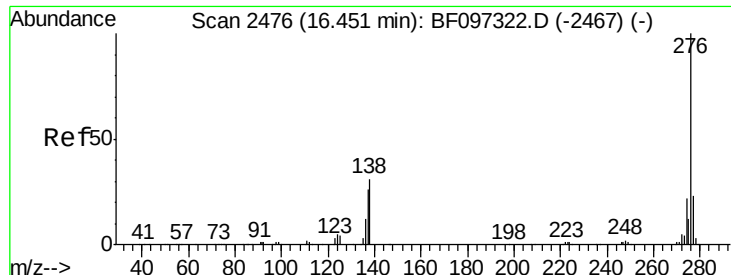


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

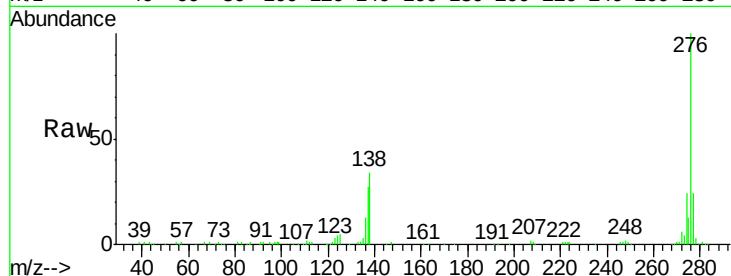




#91
 Benzo(a,h,i)perylene
 Concen: 104.98 ng
 RT: 16.44 min Scan# 2491
 Delta R.T. -0.13 min
 Lab File: BF097359.D
 Acq: 4 Aug 2017 16:48

Instrument :
 BNA_F
 ClientSampleId :
 A4129MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.6	28.0
138	33.7	25.4	38.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

