

Data Path : Z:\HPCHEM1\BNA F\Data\BF080817\
 Data File : BF097506.D
 Acq On : 9 Aug 2017 9:27
 Operator : SJ/JU
 Sample : I4592-02MS
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451MS

Quant Time: Aug 09 10:59:23 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.410	152	100300	20.00	ng	0.00
21) Naphthalene-d8	7.692	136	378894	20.00	ng	0.00
38) Acenaphthene-d10	9.433	164	150716	20.00	ng	0.00
63) Phenanthrene-d10	10.910	188	211646	20.00	ng	0.00
75) Chrysene-d12	13.533	240	141045	20.00	ng	0.00
86) Perylene-d12	14.868	264	115510	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.028	112	835173	125.52	ng	0.02
7) Phenol-d6	6.093	99	889428	117.10	ng	0.00
23) Nitrobenzene-d5	6.987	82	581523	90.04	ng	0.00
41) 2,4,6-Tribromophenol	10.228	330	153759	129.12	ng	0.00
44) 2-Fluorobiphenyl	8.775	172	923224	103.96	ng	0.00
78) Terphenyl-d14	12.492	244	604783	87.42	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.110	88	122165	44.00	ng	# 65
3) Pyridine	2.675	79	226179	26.60	ng	# 61
4) n-Nitrosodimethylamine	2.610	42	216156	45.89	ng	# 82
6) Aniline	6.081	93	86407	9.04	ng	# 67
8) 2-Chlorophenol	6.204	128	305993	43.01	ng	# 92
9) Benzaldehyde	5.981	77	22399	4.98	ng	# 99
10) Phenol	6.104	94	316145	35.09	ng	# 97
11) bis(2-Chloroethyl)ether	6.157	93	315909	44.33	ng	# 88
12) 1,3-Dichlorobenzene	6.345	146	323854	42.24	ng	# 97
13) 1,4-Dichlorobenzene	6.428	146	327180	43.06	ng	# 97
14) 1,2-Dichlorobenzene	6.581	146	275287	41.50	ng	# 96
15) Benzyl Alcohol	6.581	79	232562	48.36	ng	# 100
16) 2,2'-oxybis(1-Chloropr...	6.698	45	594261	41.58	ng	# 98
17) 2-Methylphenol	6.710	107	240798	43.85	ng	# 91
18) Hexachloroethane	6.910	117	97665	35.13	ng	# 81
19) n-Nitroso-di-n-propyla...	6.851	70	212646	42.53	ng	# 83
20) 3+4-Methylphenols	6.875	107	327038	45.60	ng	# 61
22) Acetophenone	6.834	105	410819	45.15	ng	# 97
24) Nitrobenzene	7.004	77	290279	43.15	ng	# 93
25) Isophorone	7.245	82	521847	41.26	ng	# 96
26) 2-Nitrophenol	7.322	139	136795	37.59	ng	# 87
27) 2,4-Dimethylphenol	7.387	122	254152	42.34	ng	# 96
28) bis(2-Chloroethoxy)met...	7.463	93	374912	45.42	ng	# 99
29) 2,4-Dichlorophenol	7.581	162	253195	48.96	ng	# 97
30) 1,2,4-Trichlorobenzene	7.639	180	222092	45.05	ng	# 98
31) Naphthalene	7.710	128	794870	44.50	ng	# 100
32) Benzoic acid	7.569	122	170086	37.94	ng	# 91
33) 4-Chloroaniline	7.792	127	80478	11.07	ng	# 99
34) Hexachlorobutadiene	7.834	225	114881	43.96	ng	# 98
35) Caprolactam	8.163	113	70878	42.74	ng	# 53
36) 4-Chloro-3-methylphenol	8.298	107	258704	45.85	ng	# 88
37) 2-Methylnaphthalene	8.404	142	559131	49.44	ng	# 99
39) 1,2,4,5-Tetrachloroben...	8.575	216	199543	49.62	ng	# 99
40) Hexachlorocyclopentadiene	8.557	237	8268	11.99	ng	# 97

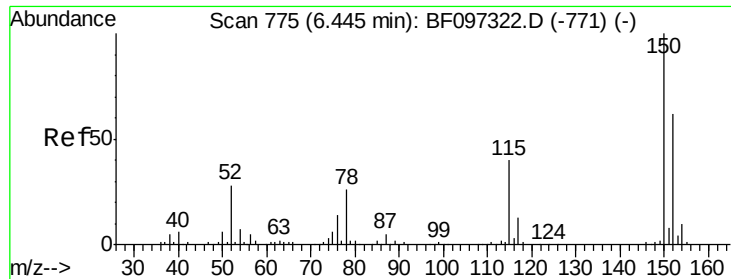
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.704	196	134187	46.04	nq	99
43) 2,4,5-Trichlorophenol	8.757	196	121756	41.74	nq	97
45) 1,1'-Biphenyl	8.869	154	612945	47.61	nq	98
46) 2-Chloronaphthalene	8.892	162	459244	48.48	nq	95
47) 2-Nitroaniline	9.004	65	187282	54.47	nq	95
48) Acenaphthylene	9.298	152	673417	46.31	nq	98
49) Dimethylphthalate	9.181	163	571664	49.95	nq	98
50) 2,6-Dinitrotoluene	9.245	165	107859	44.43	nq	# 73
51) Acenaphthene	9.469	154	399692	46.67	nq	98
52) 3-Nitroaniline	9.416	138	81280	26.98	nq	91
53) 2,4-Dinitrophenol	9.563	184	11100	10.06	nq	# 69
54) Dibenzofuran	9.639	168	591204	51.82	nq	94
55) 4-Nitrophenol	9.639	139	339855	189.67	nq	# 38
56) 2,4-Dinitrotoluene	9.657	165	129849	46.53	nq	# 77
57) Fluorene	9.980	166	408435	47.63	nq	100
58) 2,3,4,6-Tetrachlorophenol	9.780	232	96186	47.76	nq	98
59) Diethylphthalate	9.875	149	525734	50.07	nq	100
60) 4-Chlorophenyl-phenyle...	9.975	204	174182	49.19	nq	98
61) 4-Nitroaniline	10.028	138	119882	41.87	nq	92
62) Azobenzene	10.139	77	487565	50.05	nq	92
64) 4,6-Dinitro-2-methylph...	10.080	198	11299	8.59	nq	# 63
65) n-Nitrosodiphenylamine	10.104	169	381829	51.85	nq	96
66) 4-Bromophenyl-phenylether	10.463	248	110323	52.23	nq	99
67) Hexachlorobenzene	10.533	284	108983	46.01	nq	# 91
68) Atrazine	10.633	200	67780	32.10	nq	95
69) Pentachlorophenol	10.739	266	70049	71.48	nq	98
70) Phenanthrene	10.933	178	553572	48.82	nq	99
71) Anthracene	10.986	178	557873	48.03	nq	99
72) Carbazole	11.151	167	512916	44.90	nq	99
73) Di-n-butylphthalate	11.486	149	712479	50.46	nq	99
74) Fluoranthene	12.110	202	557330	50.17	nq	97
76) Benzidine	12.245	184	57537	10.99	nq	# 94
77) Pyrene	12.339	202	560826	48.57	nq	99
79) Butylbenzylphthalate	12.969	149	286820	48.83	nq	# 78
80) Benzo(a)anthracene	13.521	228	414571	45.43	nq	99
81) 3,3'-Dichlorobenzidine	13.492	252	101085	29.37	nq	# 95
82) Chrysene	13.563	228	423703	47.55	nq	99
83) Bis(2-ethylhexyl)phtha...	13.533	149	350771	45.74	nq	98
84) Di-n-octyl phthalate	14.139	149	635988	45.19	nq	# 91
85) Indeno(1,2,3-cd)pyrene	16.062	276	297128	38.88	nq	97
87) Benzo(b)fluoranthene	14.527	252	338143	48.70	nq	97
88) Benzo(k)fluoranthene	14.821	252	263503	39.82	nq	97
89) Benzo(a)pyrene	14.821	252	316013	49.73	nq	98
90) Dibenzo(a,h)anthracene	16.062	278	249576	47.89	nq	95
91) Benzo(g,h,i)perylene	16.409	276	244956	44.82	nq	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.410 min Scan# 78

Delta R.T. 0.000 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

Instrument :

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ClientSampleId :

15-50-RT3460-RT4215-RT3451MS

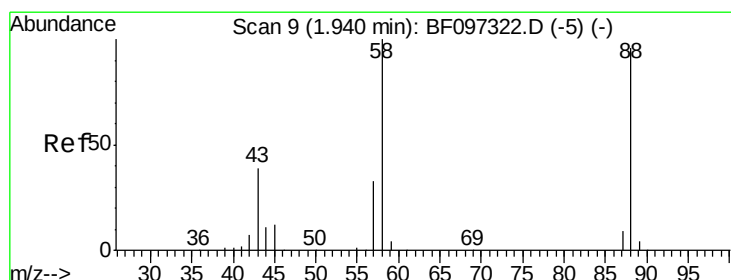
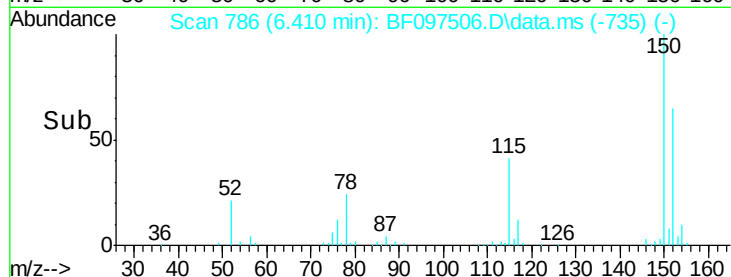
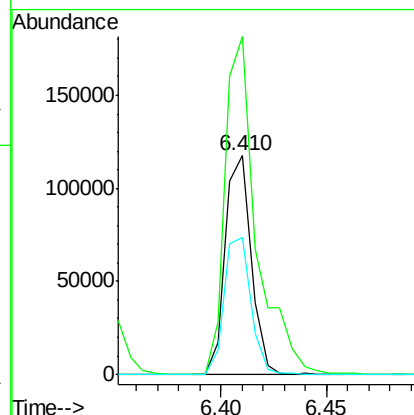
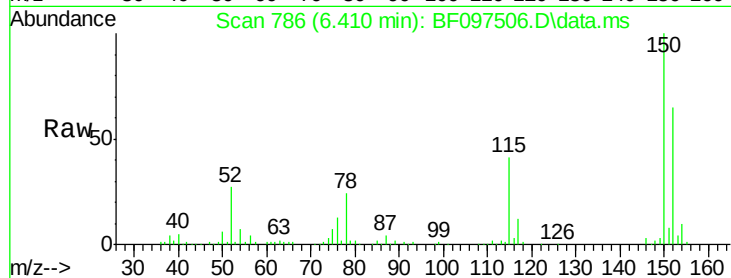
Tot Ion:152 Resp: 100300

Ion Ratio Lower Upper

152 100

150 154.6 126.2 189.2

115 62.7 52.2 78.2



#2

1,4-Dioxane

Concen: 44.00 ng

RT: 2.110 min Scan# 55

Delta R.T. 0.212 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

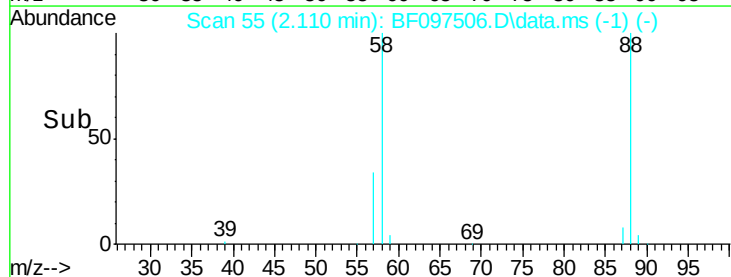
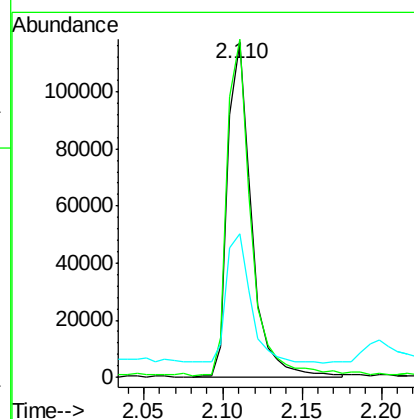
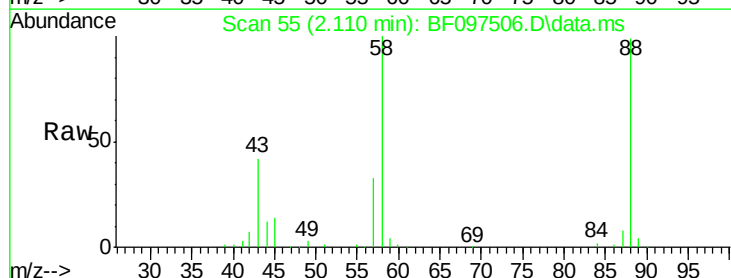
Tgt Ion: 88 Resp: 122165

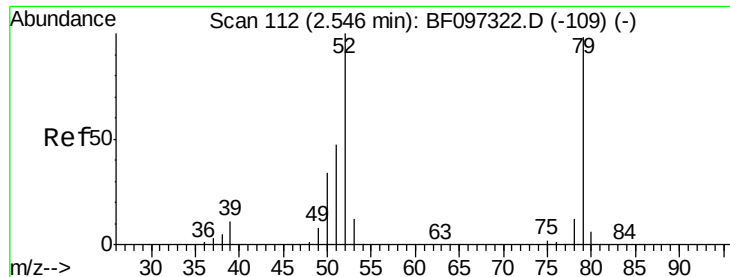
Ion Ratio Lower Upper

88 100

58 100.5 61.4 92.0#

43 0.0 23.4 35.0#





#3

Pvridine

Concen: 26.60 ng

RT: 2.675 min Scan# 151

Delta R.T. 0.182 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MS

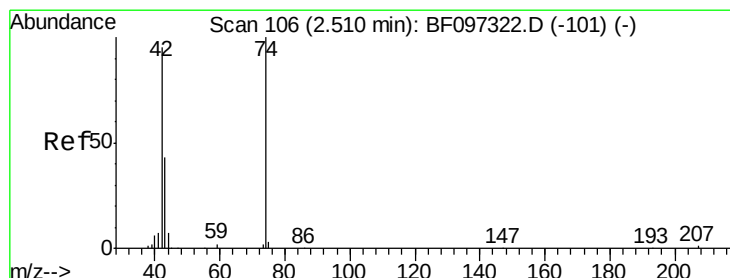
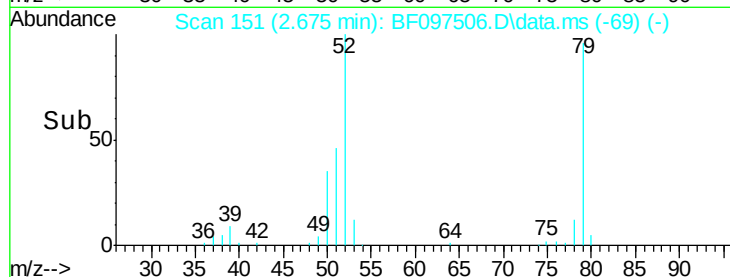
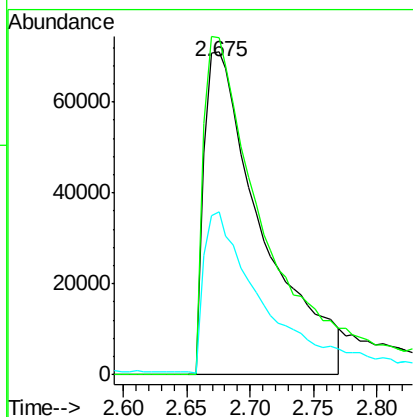
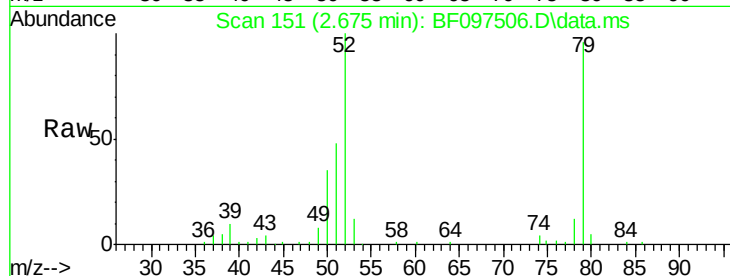
Tot Ion: 79 Resp: 226179

Ion Ratio Lower Upper

79 100

52 104.3 54.8 82.2#

51 50.2 27.0 40.4#



#4

n-Nitrosodimethylamine

Concen: 45.89 ng

RT: 2.610 min Scan# 140

Delta R.T. 0.147 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

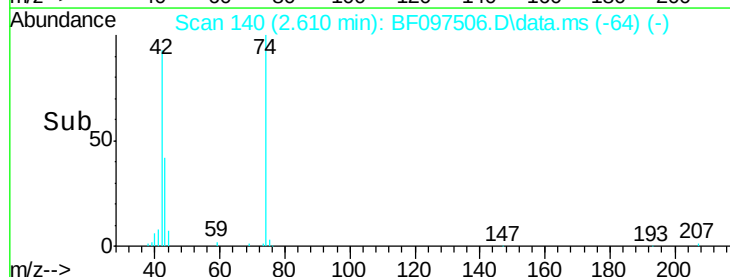
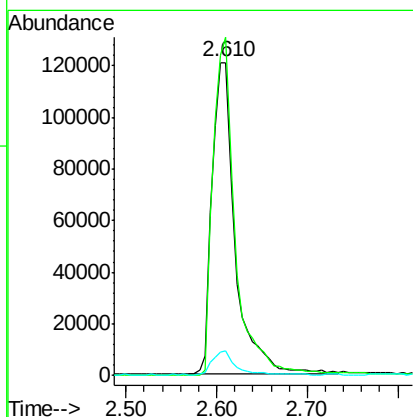
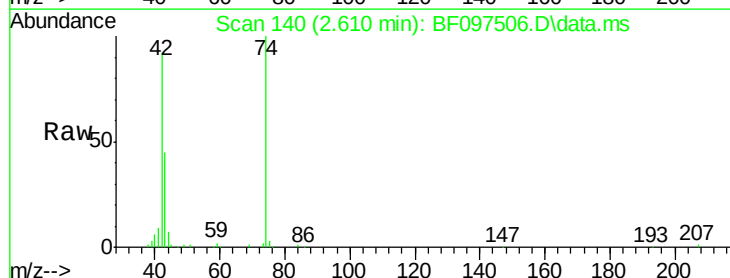
Tgt Ion: 42 Resp: 216156

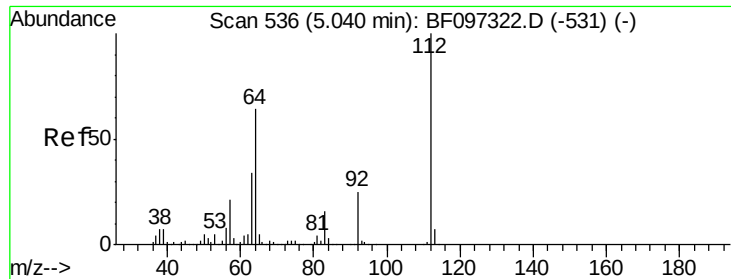
Ion Ratio Lower Upper

42 100

74 108.2 103.9 155.9

44 7.8 5.7 8.5





#5

2-Fluorophenol

Concen: 125.52 ng

RT: 5.028 min Scan# 551

Delta R.T. 0.024 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MS

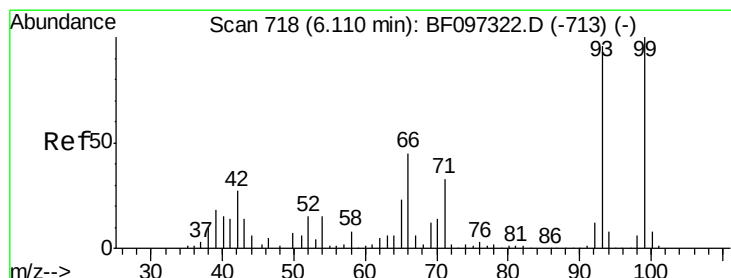
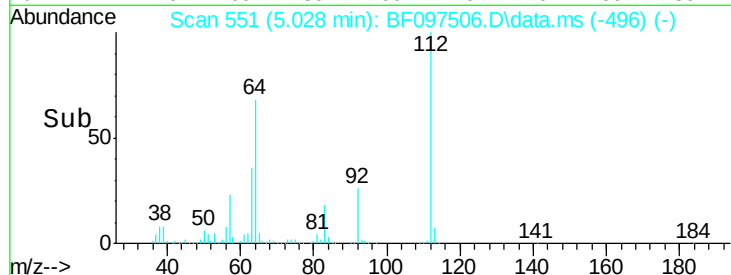
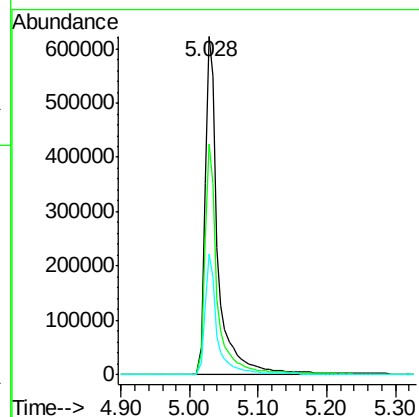
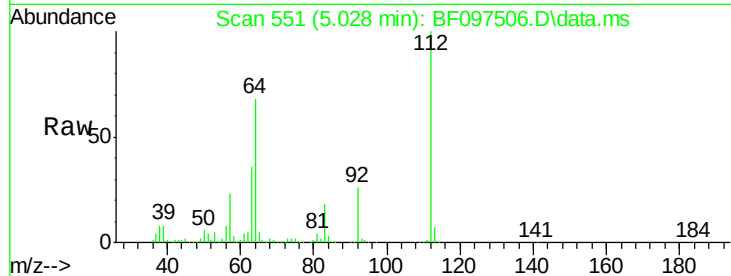
Tot Ion:112 Resp: 835173

Ion Ratio Lower Upper

112 100

64 68.4 46.0 69.0

63 35.6 23.4 35.0#



#6

Aniline

Concen: 9.04 ng

RT: 6.081 min Scan# 730

Delta R.T. 0.006 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

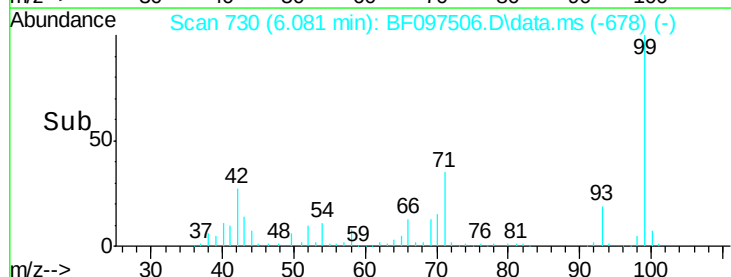
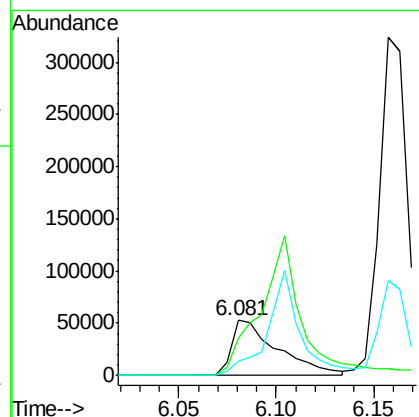
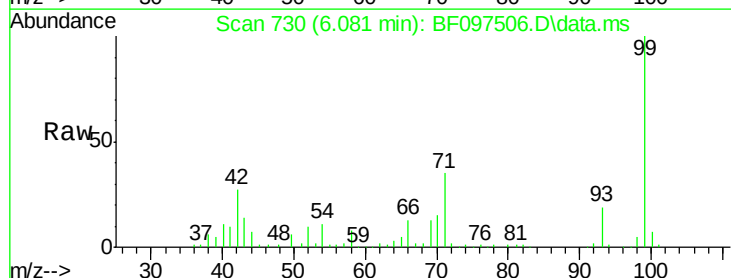
Tgt Ion: 93 Resp: 86407

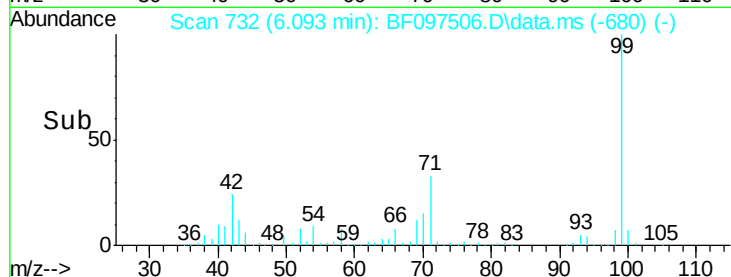
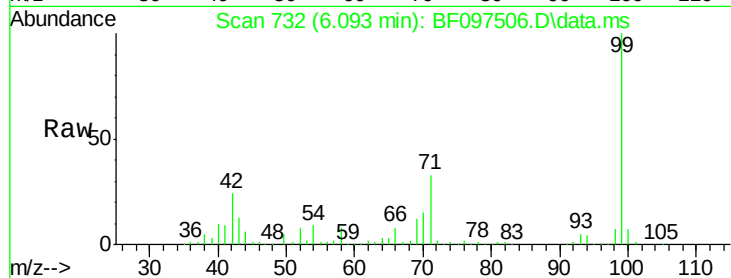
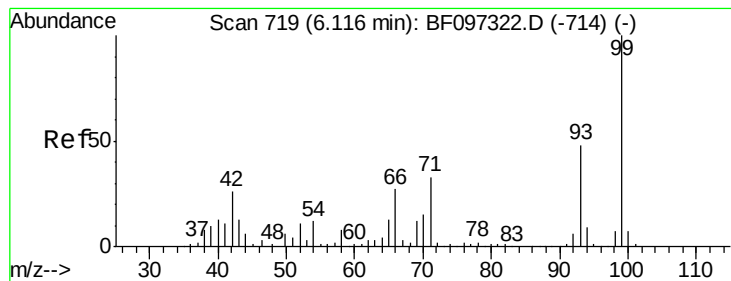
Ion Ratio Lower Upper

93 100

66 67.5 32.9 49.3#

65 26.7 16.0 24.0#





#7

Phenol-d6

Concen: 117.10 ng

RT: 6.093 min Scan# 73

Delta R.T. 0.006 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MS

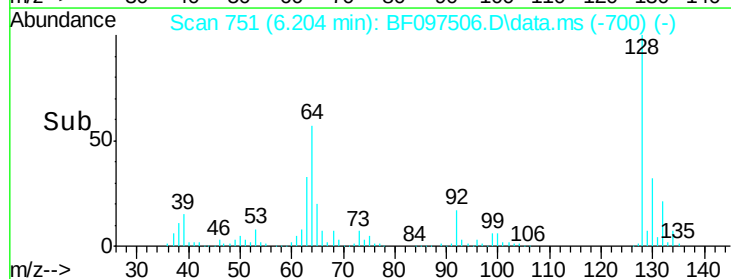
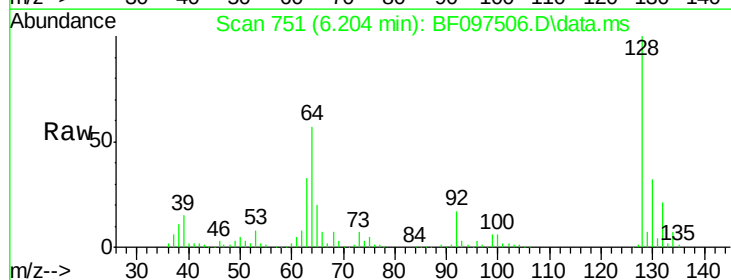
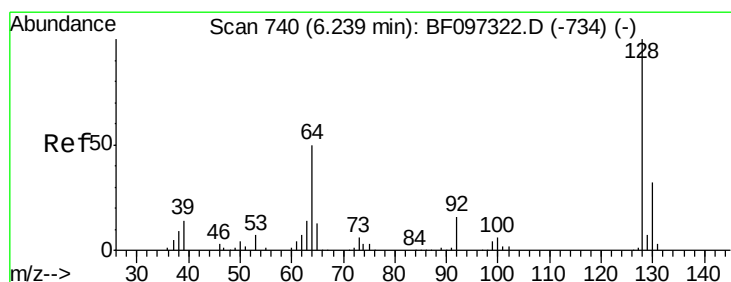
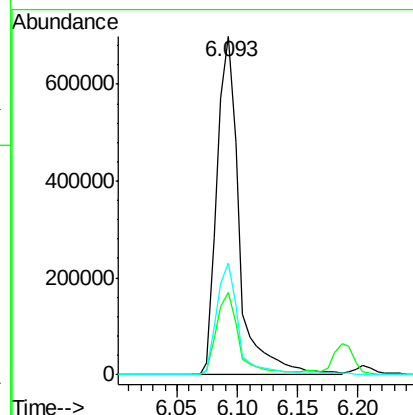
Tot Ion: 99 Resp: 889428

Ion Ratio Lower Upper

99 100

42 24.4 13.5 20.3#

71 32.8 24.5 36.7



#8

2-Chlorophenol

Concen: 43.01 ng

RT: 6.204 min Scan# 751

Delta R.T. 0.000 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

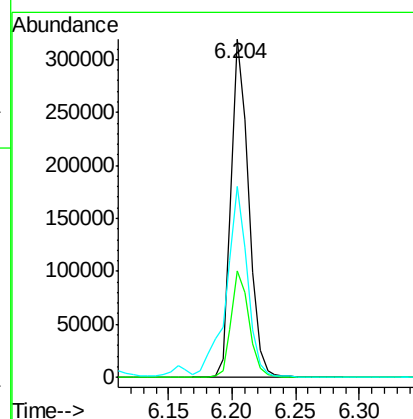
Tgt Ion: 128 Resp: 305993

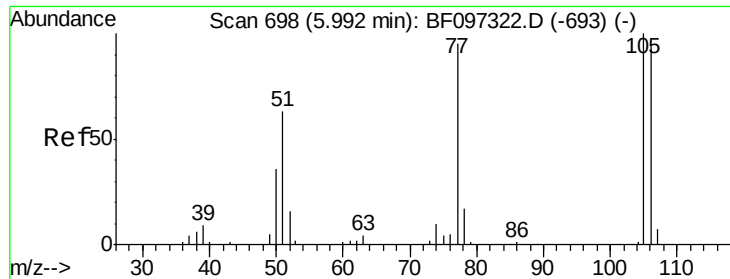
Ion Ratio Lower Upper

128 100

130 31.6 12.9 52.9

64 56.6 28.4 68.4





#9

Benzaldehyde

Concen: 4.98 ng

RT: 5.981 min Scan# 71

Delta R.T. 0.024 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

Instrument :

BNA_F

ClientSampleId :

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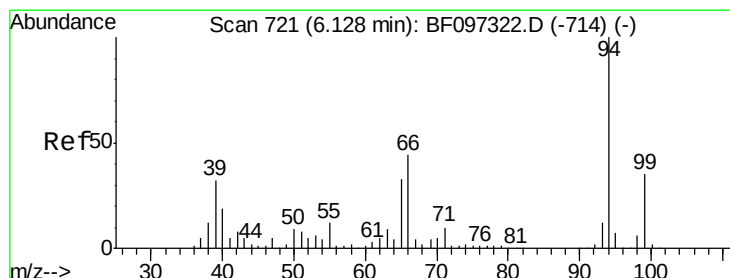
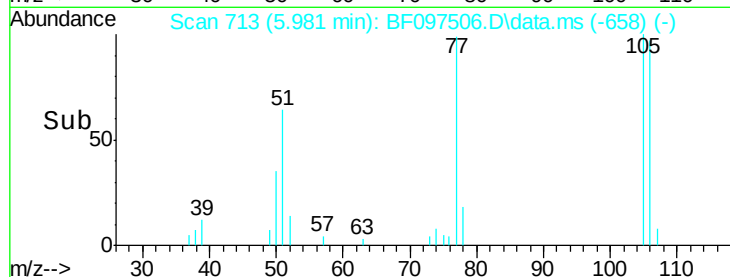
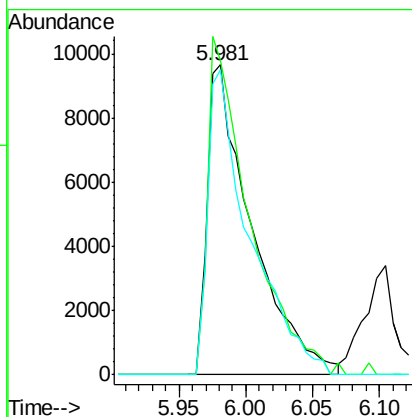
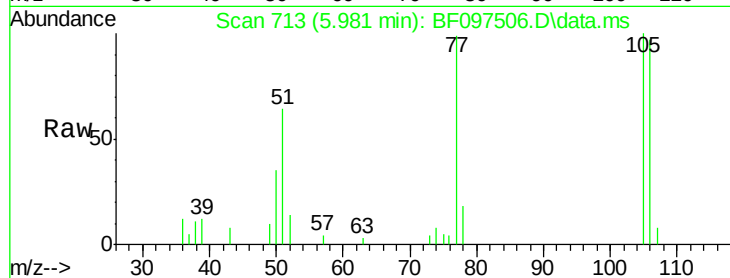
Tot Ion: 77 Resp: 22399

Ion Ratio Lower Upper

77 100

105 101.4 83.8 123.8

106 98.5 79.1 119.1



#10

Phenol

Concen: 35.09 ng

RT: 6.104 min Scan# 734

Delta R.T. 0.006 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

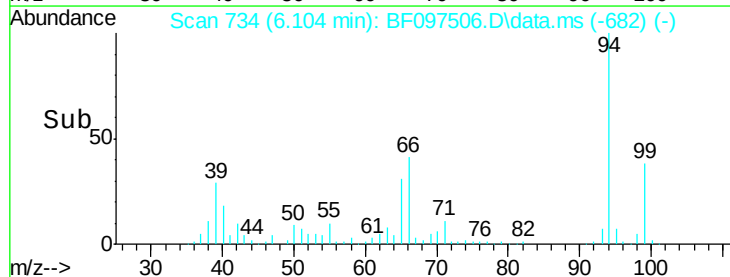
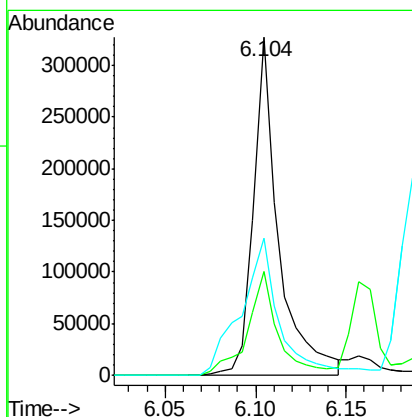
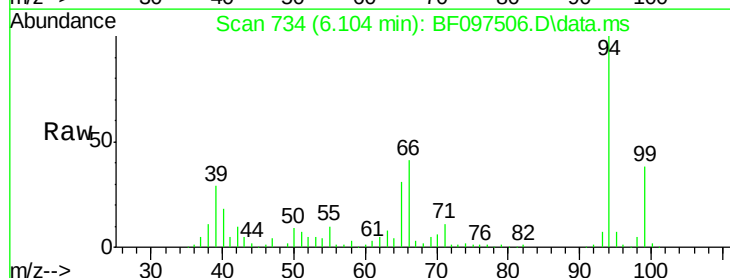
Tgt Ion: 94 Resp: 316145

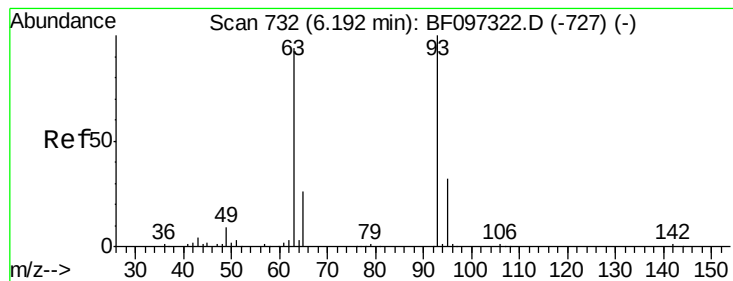
Ion Ratio Lower Upper

94 100

65 30.7 9.9 49.9

66 40.7 23.1 63.1

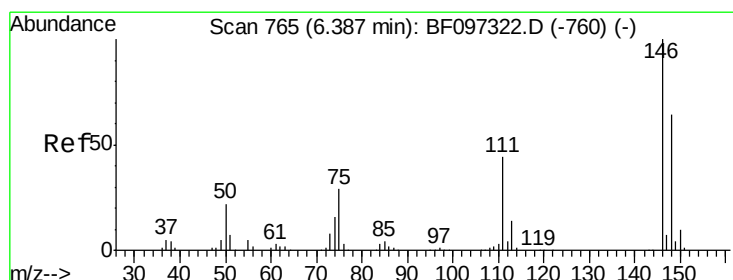
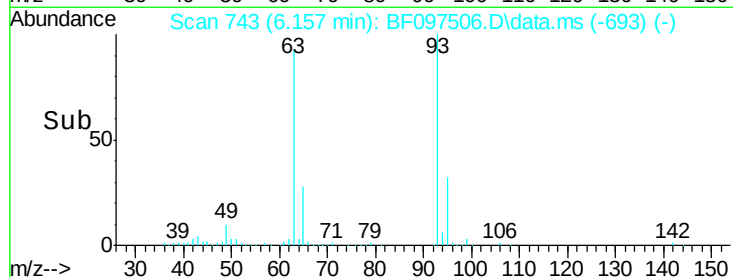
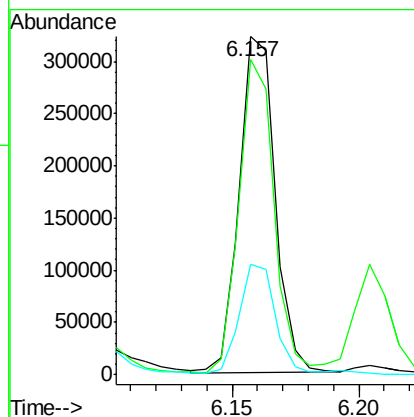
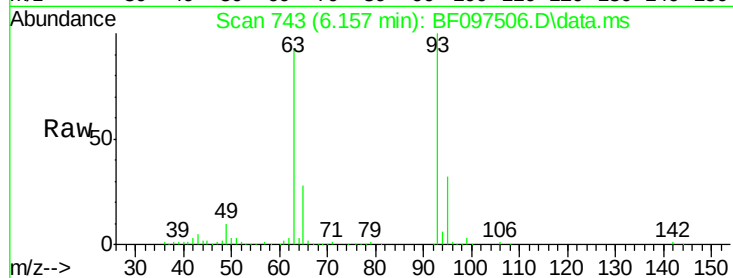




#11
bis(2-Chloroethyl)ether
Concen: 44.33 ng
RT: 6.157 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF097506.D
Acq: 9 Aug 2017 9:27

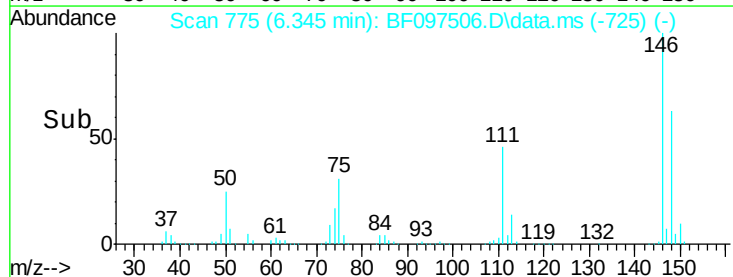
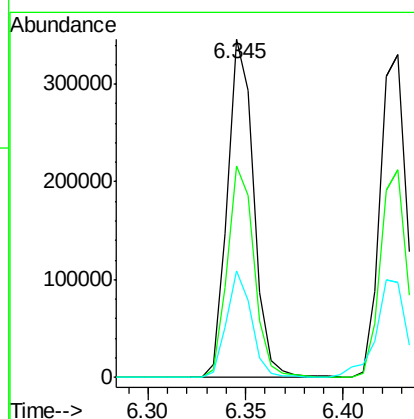
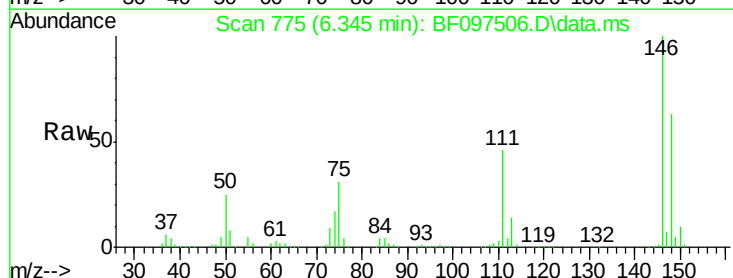
Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MS

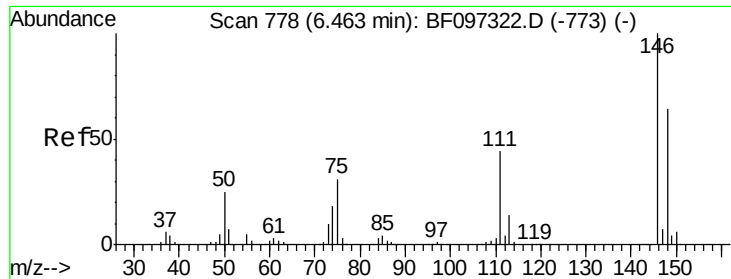
Tot Ion: 93 Resp: 315909
Ion Ratio Lower Upper
93 100
63 93.4 59.2 99.2
95 32.5 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 42.24 ng
RT: 6.345 min Scan# 775
Delta R.T. -0.006 min
Lab File: BF097506.D
Acq: 9 Aug 2017 9:27

Tgt Ion: 146 Resp: 323854
Ion Ratio Lower Upper
146 100
148 62.7 51.8 77.6
75 31.3 23.1 34.7

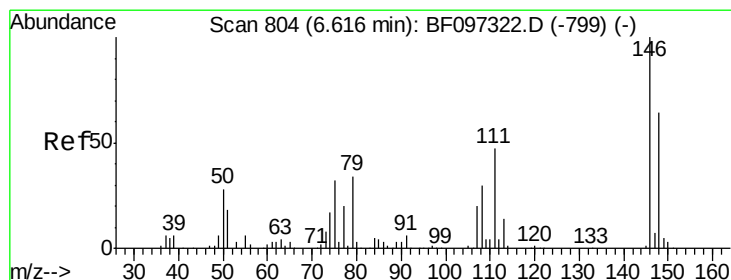
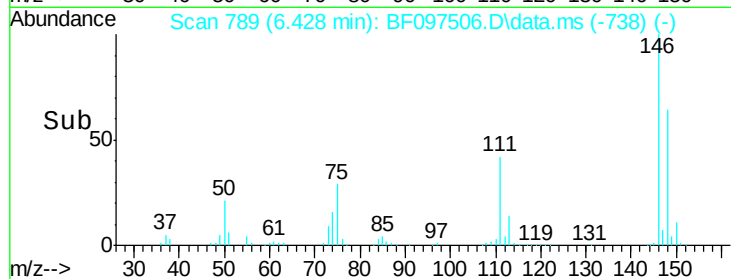
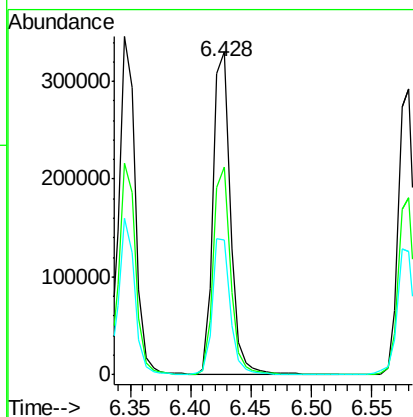
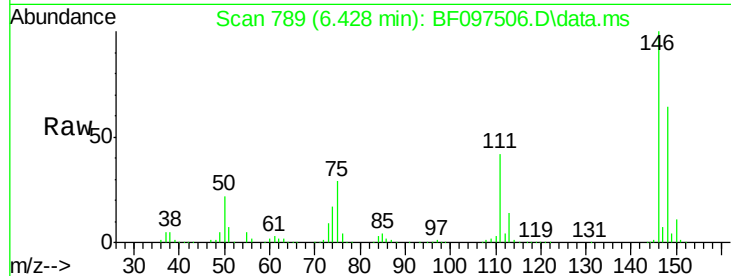




#13
 1,4-Dichlorobenzene
 Concen: 43.06 ng
 RT: 6.428 min Scan# 78
 Delta R.T. 0.000 min
 Lab File: BF097506.D
 Acq: 9 Aug 2017 9:27

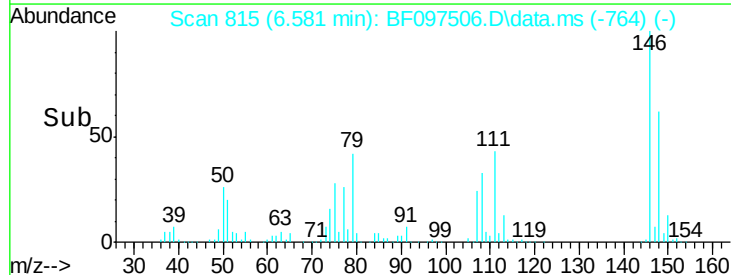
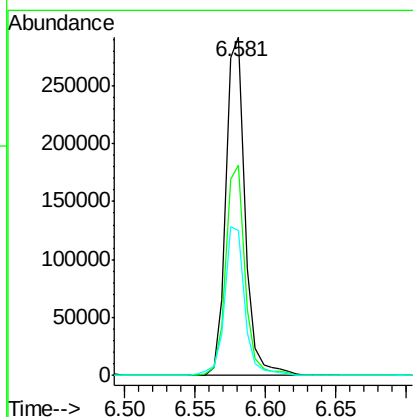
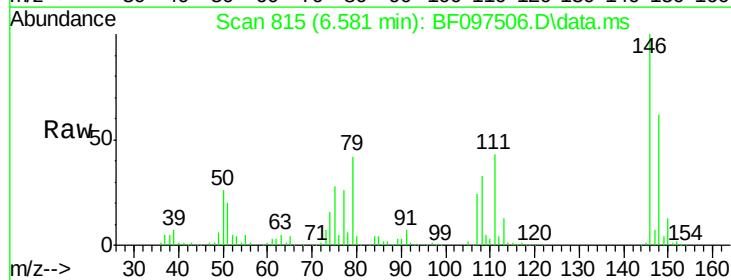
Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451MS

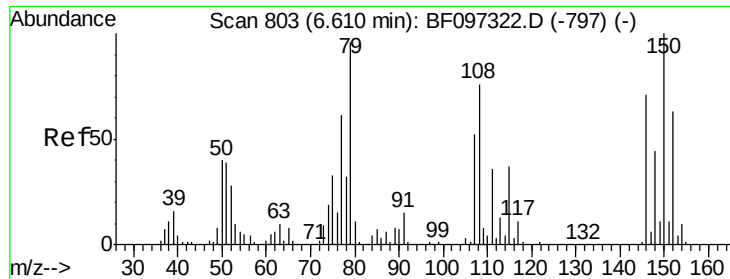
Tot Ion:146 Resp: 327180
 Ion Ratio Lower Upper
 146 100
 148 64.4 52.2 78.2
 111 41.5 30.3 45.5



#14
 1,2-Dichlorobenzene
 Concen: 41.50 ng
 RT: 6.581 min Scan# 815
 Delta R.T. 0.000 min
 Lab File: BF097506.D
 Acq: 9 Aug 2017 9:27

Tgt Ion:146 Resp: 275287
 Ion Ratio Lower Upper
 146 100
 148 62.0 50.4 75.6
 111 43.0 38.2 57.4





#15

Benzyl Alcohol

Concen: 48.36 ng

RT: 6.581 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MS

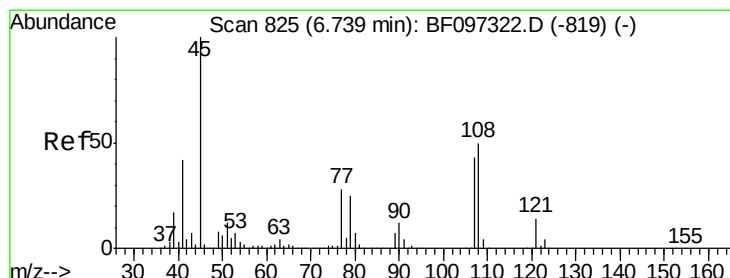
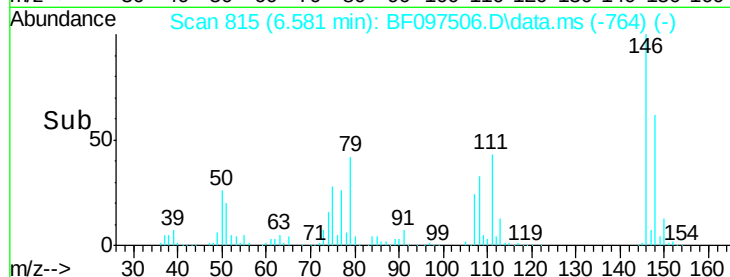
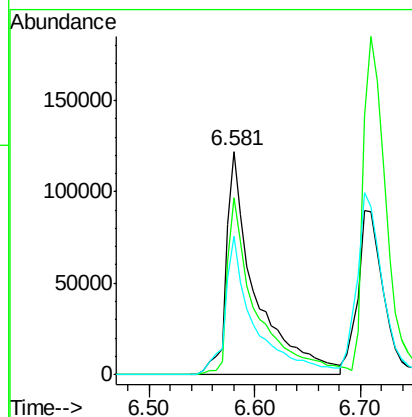
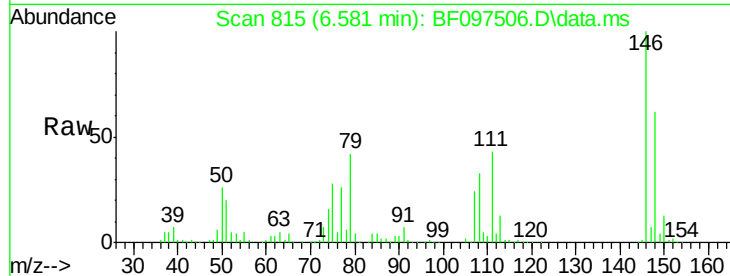
Tot Ion: 79 Resp: 232562

Ion Ratio Lower Upper

79 100

108 79.2 63.4 95.0

77 62.1 49.2 73.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 41.58 ng

RT: 6.698 min Scan# 835

Delta R.T. -0.006 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

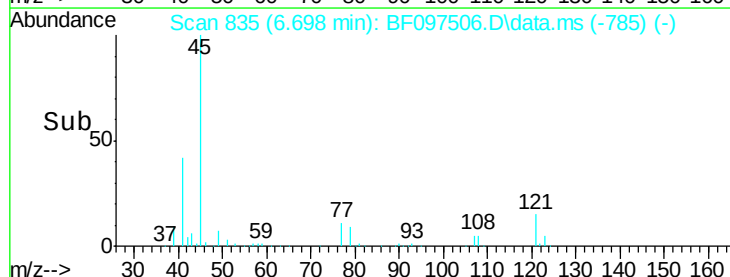
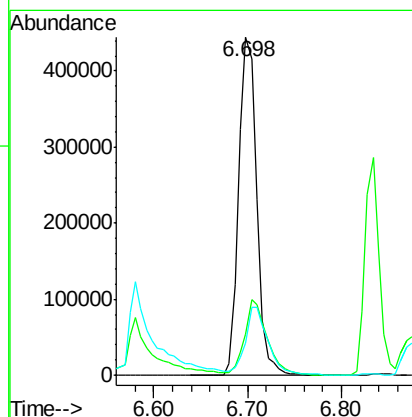
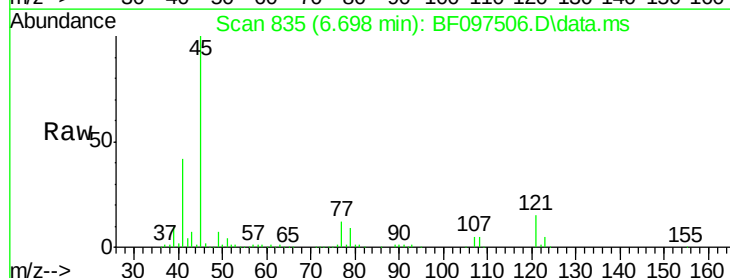
Tgt Ion: 45 Resp: 594261

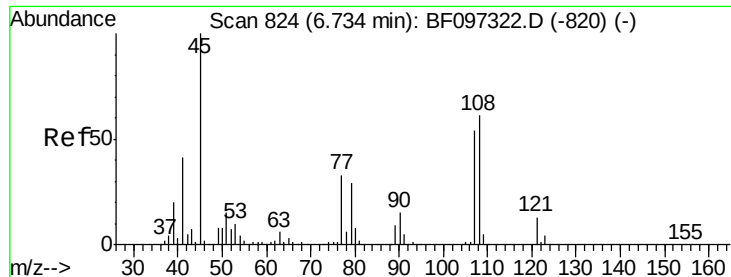
Ion Ratio Lower Upper

45 100

77 12.1 0.0 33.2

79 9.4 0.0 30.0





#17

2-Methylphenol

Concen: 43.85 ng

RT: 6.710 min Scan# 83

Delta R.T. 0.000 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MS

Tot Ion:107 Resp: 240798

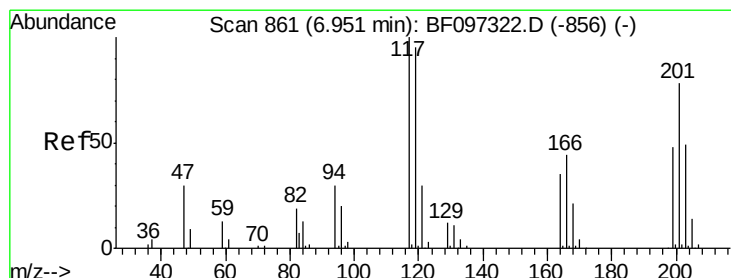
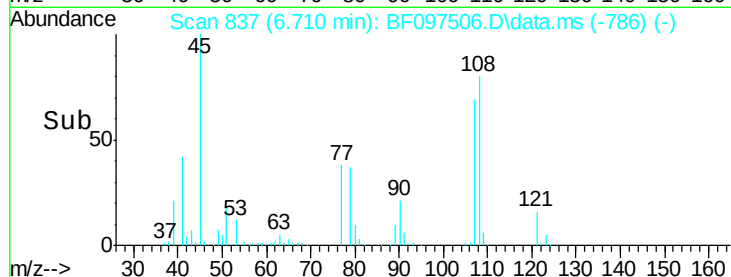
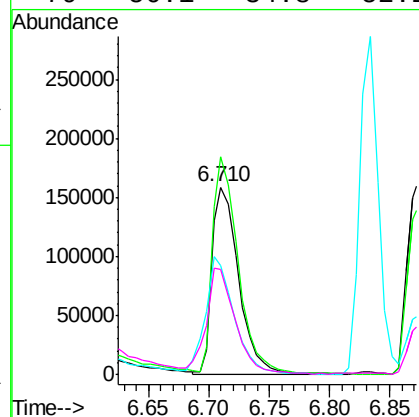
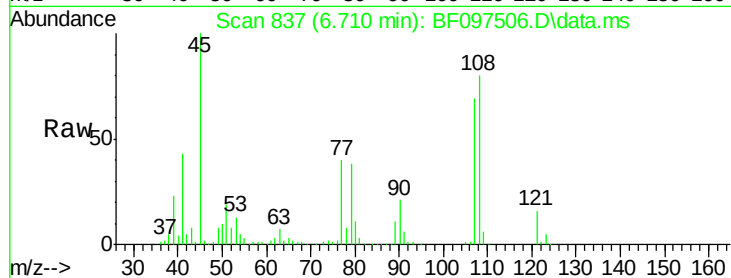
Ion Ratio Lower Upper

107 100

108 116.7 93.4 140.0

77 58.1 35.8 53.6#

79 56.1 34.8 52.2#



#18

Hexachloroethane

Concen: 35.13 ng

RT: 6.910 min Scan# 871

Delta R.T. -0.006 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

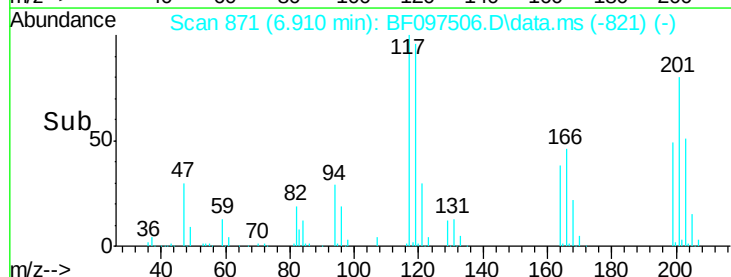
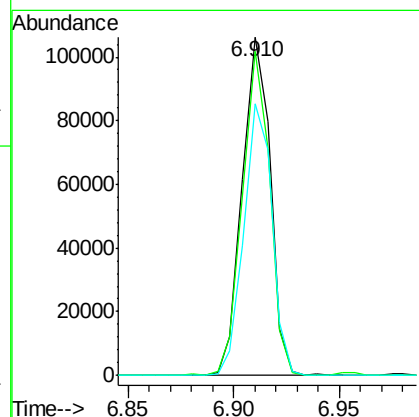
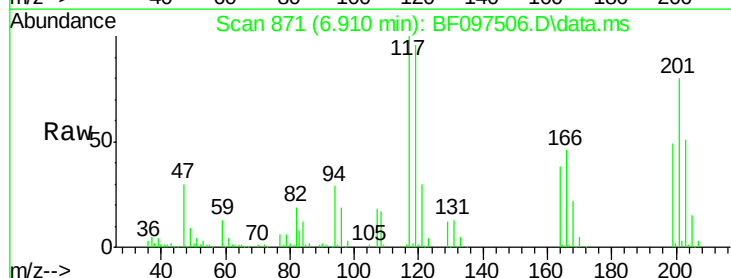
Tgt Ion:117 Resp: 97665

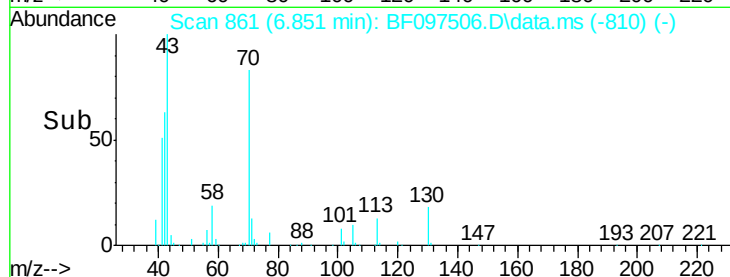
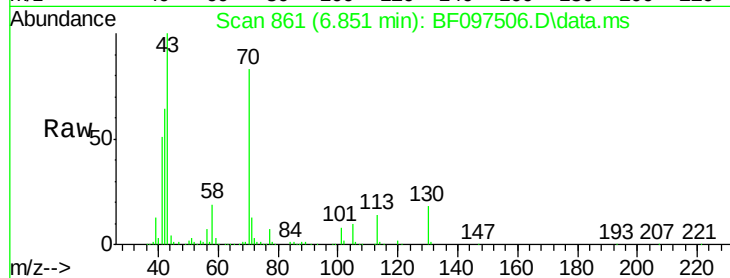
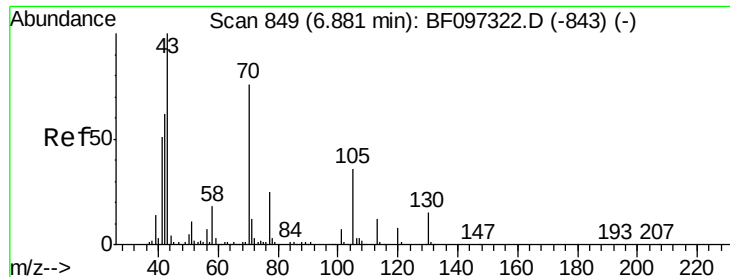
Ion Ratio Lower Upper

117 100

119 95.8 77.4 116.0

201 80.5 94.6 141.8#

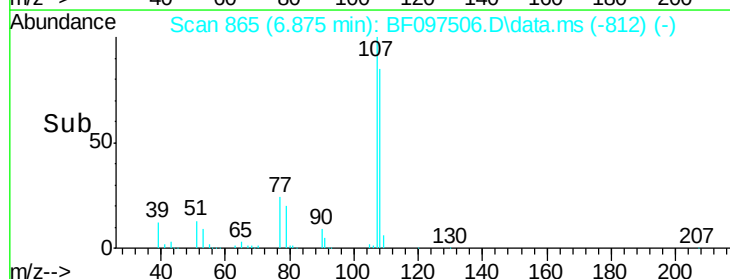
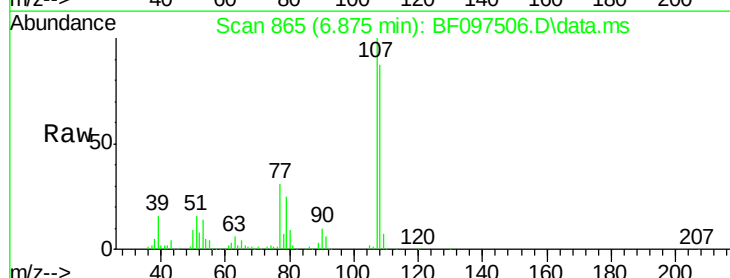
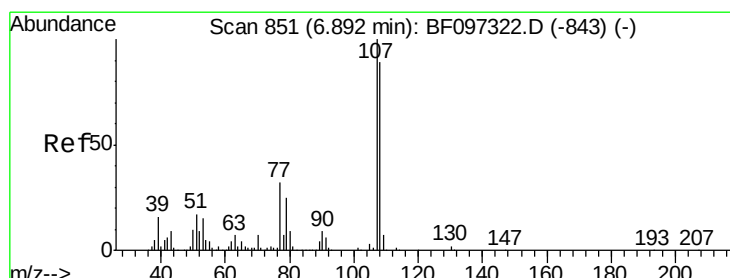
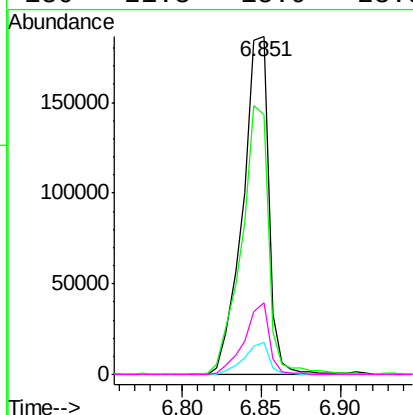




#19
n-Nitroso-di-n-propylamine
Concen: 42.53 ng
RT: 6.851 min Scan# 861
Delta R.T. 0.000 min
Lab File: BF097506.D
Acq: 9 Aug 2017 9:27

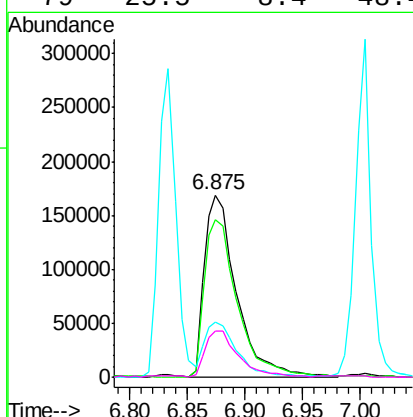
Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MS

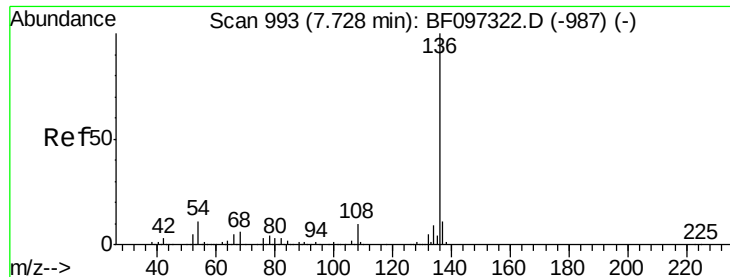
Tot Ion: 70 Resp: 212646
Ion Ratio Lower Upper
70 100
42 76.8 47.2 70.8#
101 9.4 7.2 10.8
130 21.3 15.9 23.9



#20
3+4-Methylphenols
Concen: 45.60 ng
RT: 6.875 min Scan# 865
Delta R.T. 0.012 min
Lab File: BF097506.D
Acq: 9 Aug 2017 9:27

Tgt Ion: 107 Resp: 327038
Ion Ratio Lower Upper
107 100
108 86.7 71.0 111.0
77 30.5 90.5 130.5#
79 25.5 8.4 48.4

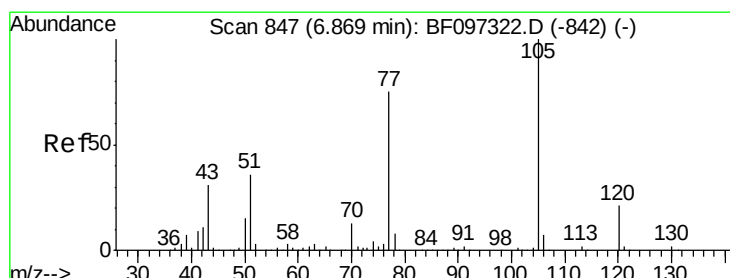
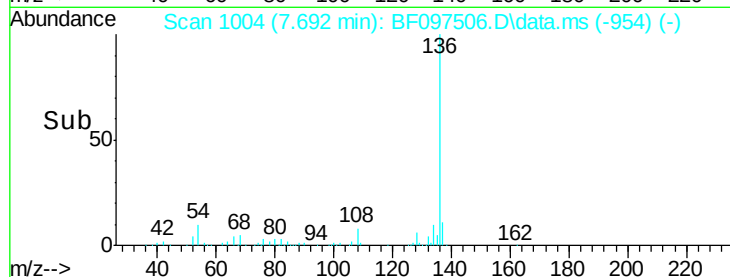
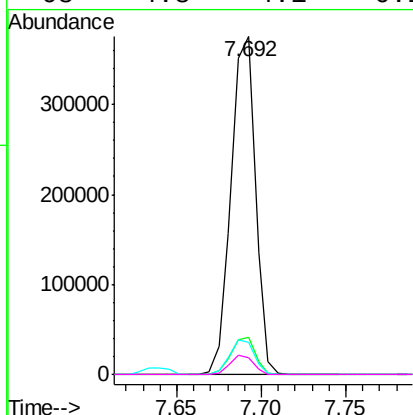
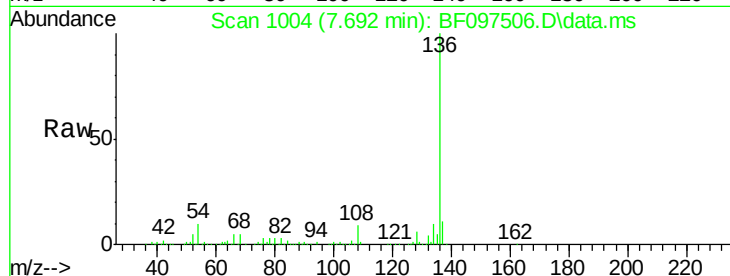




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.692 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF097506.D
Acq: 9 Aug 2017 9:27

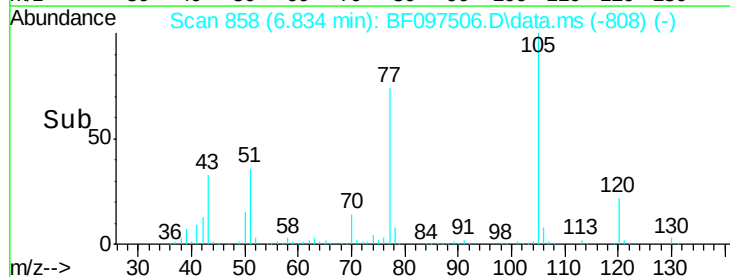
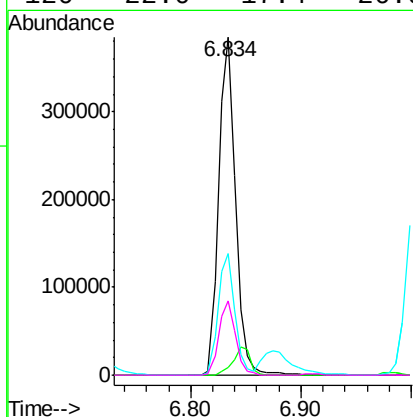
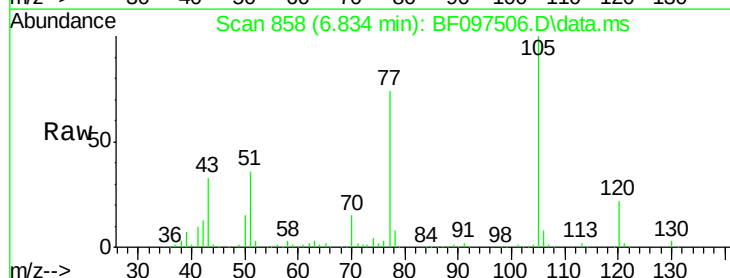
Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MS

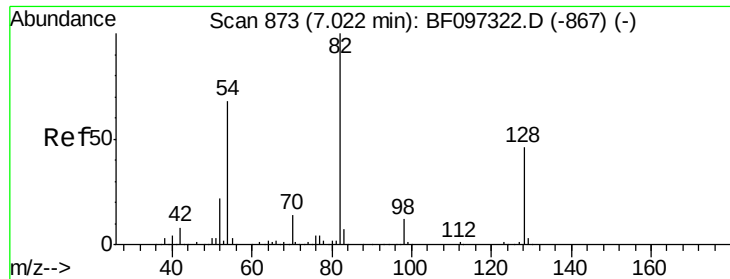
Tot Ion:	136	Resp:	378894
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	9.7	4.9	7.3#
68	4.8	4.1	6.1



#22
Acetophenone
Concen: 45.15 ng
RT: 6.834 min Scan# 858
Delta R.T. -0.006 min
Lab File: BF097506.D
Acq: 9 Aug 2017 9:27

Tgt Ion:	105	Resp:	410819
Ion Ratio	Lower	Upper	
105	100		
71	2.3	2.8	4.2#
51	35.9	30.7	46.1
120	22.0	17.4	26.0





#23

Nitrobenzene-d5

Concen: 90.04 ng

RT: 6.987 min Scan# 88

Delta R.T. -0.006 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MS

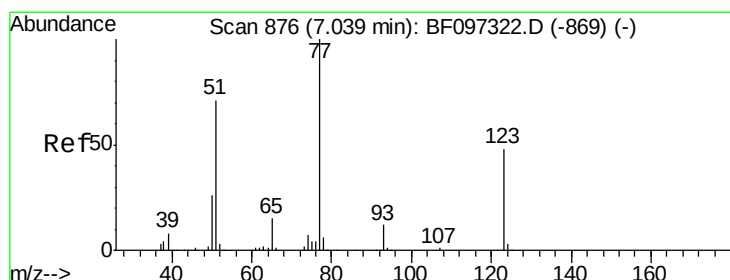
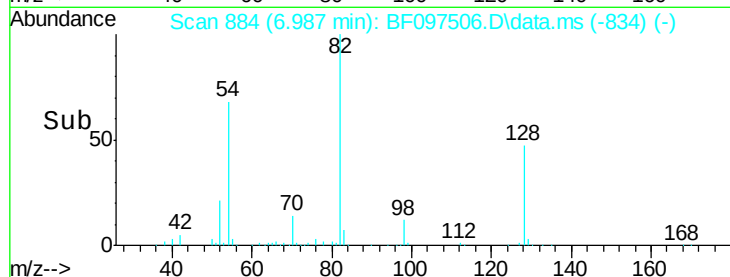
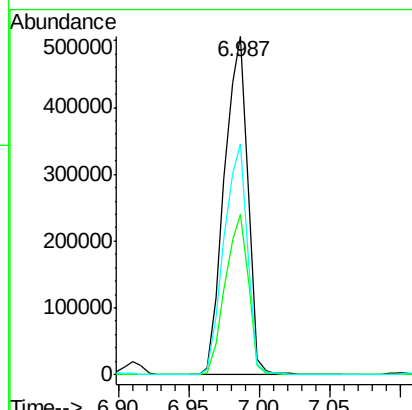
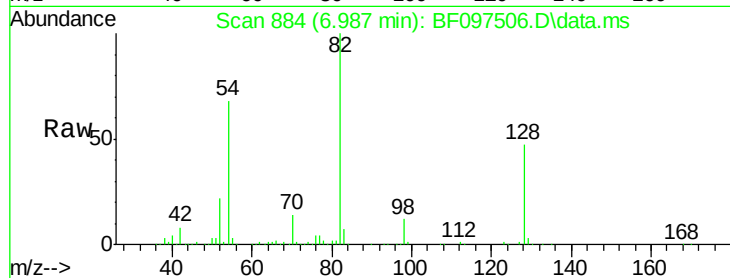
Tot Ion: 82 Resp: 581523

Ion Ratio Lower Upper

82 100

128 47.4 34.0 51.0

54 68.4 42.2 63.2#



#24

Nitrobenzene

Concen: 43.15 ng

RT: 7.004 min Scan# 887

Delta R.T. -0.006 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

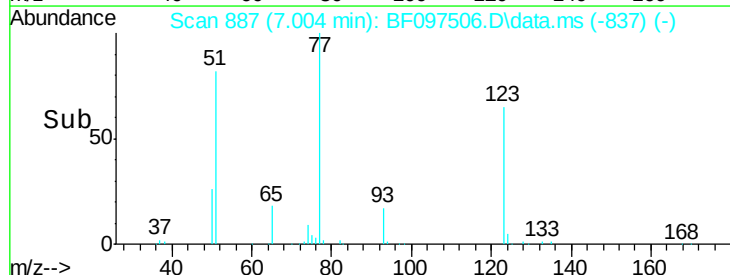
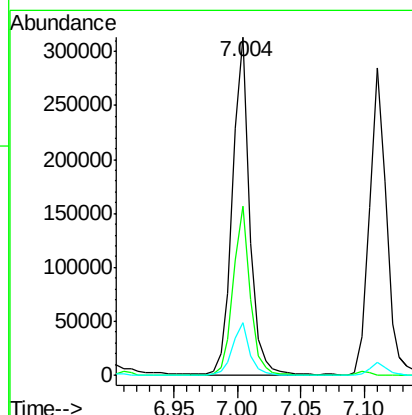
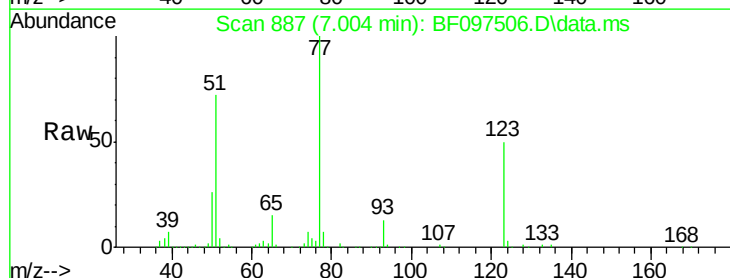
Tgt Ion: 77 Resp: 290279

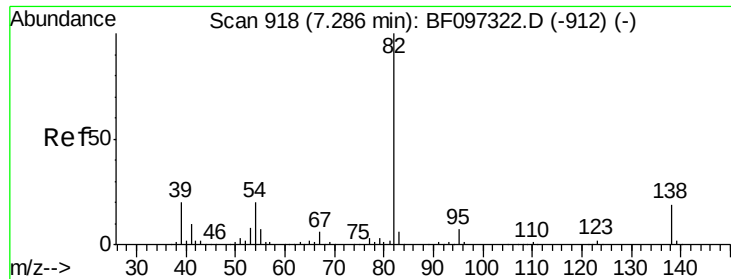
Ion Ratio Lower Upper

77 100

123 49.9 35.8 53.8

65 15.4 10.6 15.8





#25

Isophorone

Concen: 41.26 ng

RT: 7.245 min Scan# 92

Delta R.T. -0.006 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MS

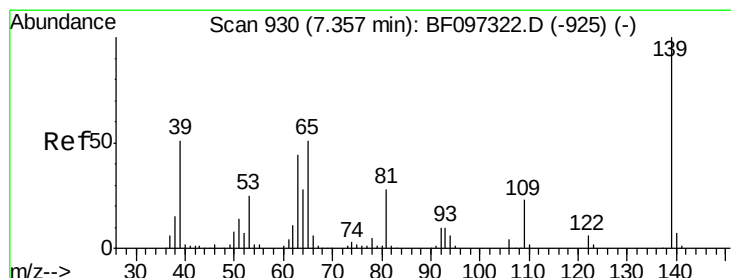
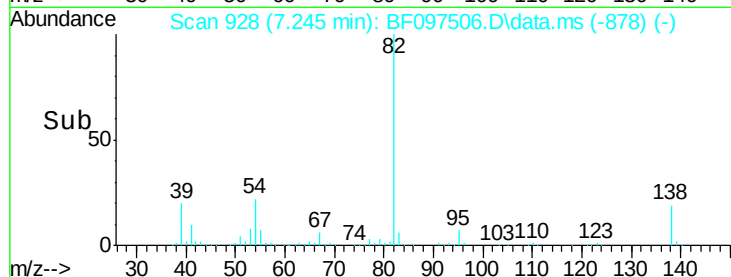
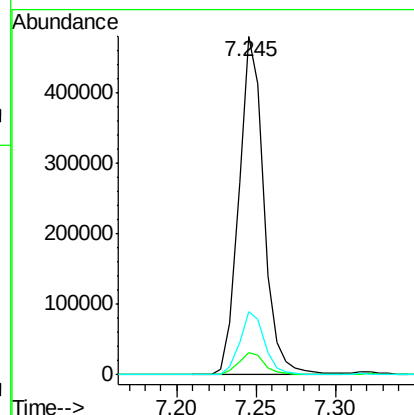
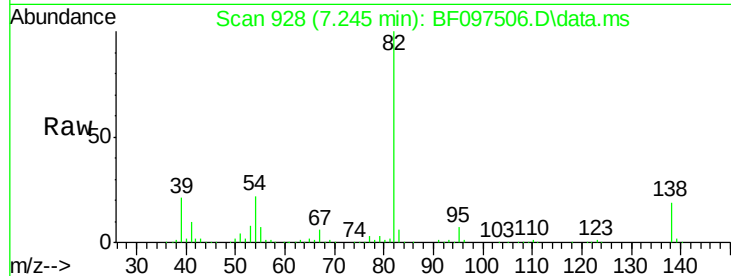
Tot Ion: 82 Resp: 521847

Ion Ratio Lower Upper

82 100

95 6.6 5.3 7.9

138 18.6 13.1 19.7



#26

2-Nitrophenol

Concen: 37.59 ng

RT: 7.322 min Scan# 941

Delta R.T. -0.006 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

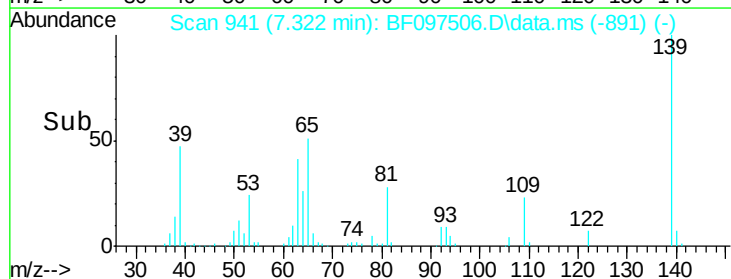
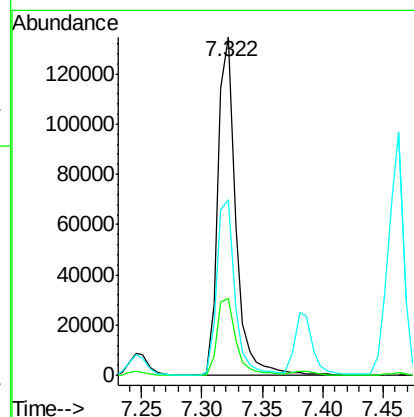
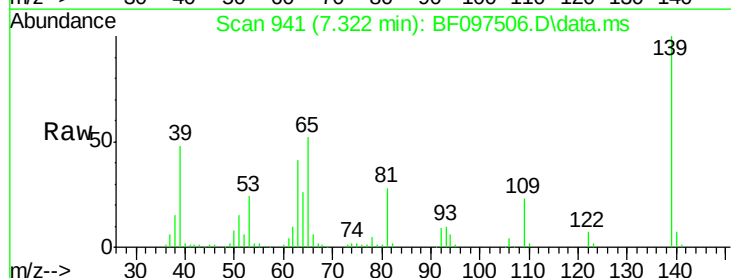
Tgt Ion: 139 Resp: 136795

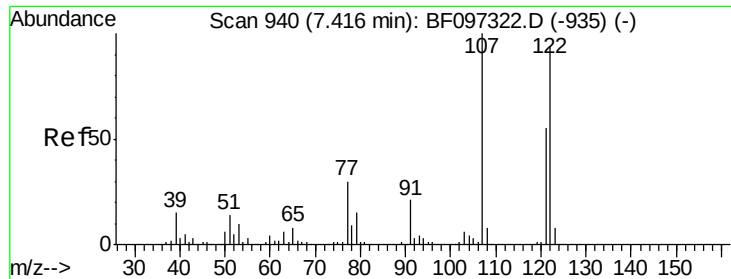
Ion Ratio Lower Upper

139 100

109 22.8 21.0 31.6

65 51.9 33.0 49.6#





#27

2,4-Dimethylphenol

Concen: 42.34 ng

RT: 7.387 min Scan# 95

Delta R.T. 0.000 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MS

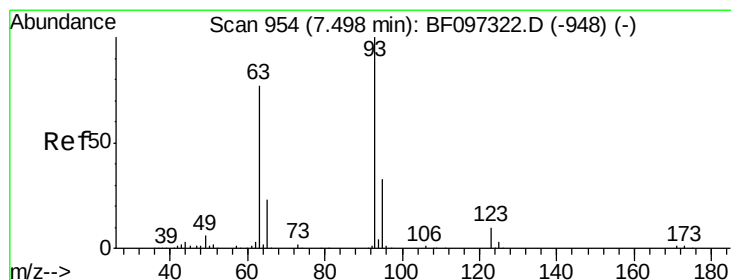
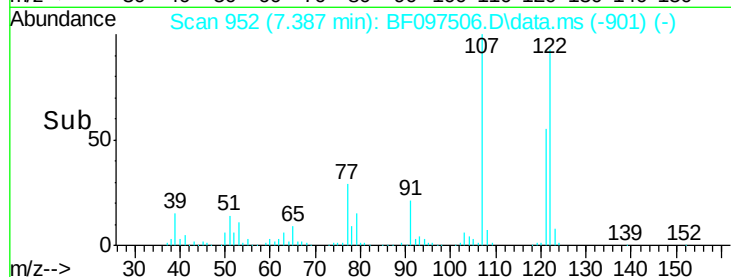
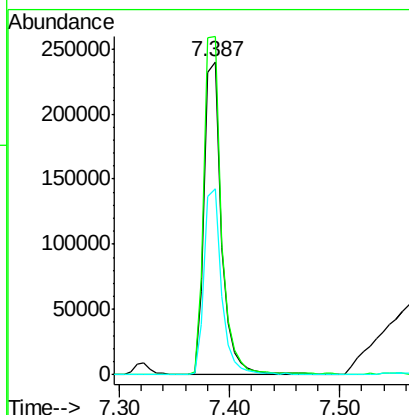
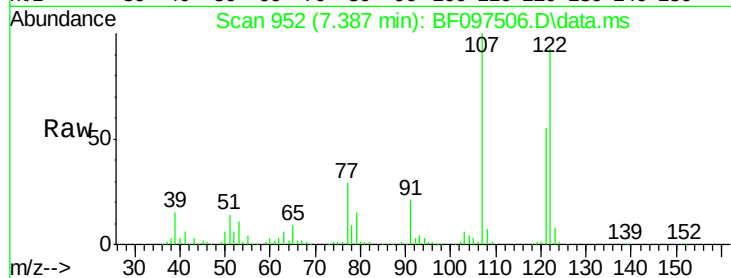
Tot Ion:122 Resp: 254152

Ion Ratio Lower Upper

122 100

107 108.0 89.2 133.8

121 59.5 45.2 67.8



#28

bis(2-Chloroethoxy)methane

Concen: 45.42 ng

RT: 7.463 min Scan# 965

Delta R.T. -0.006 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

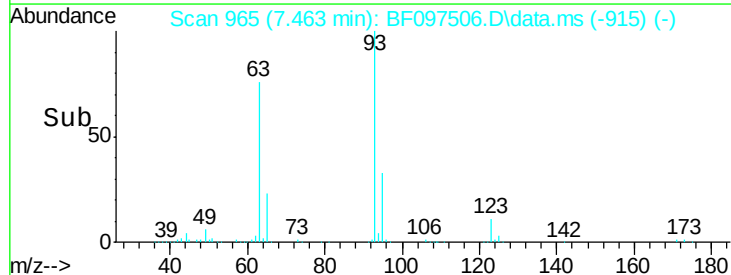
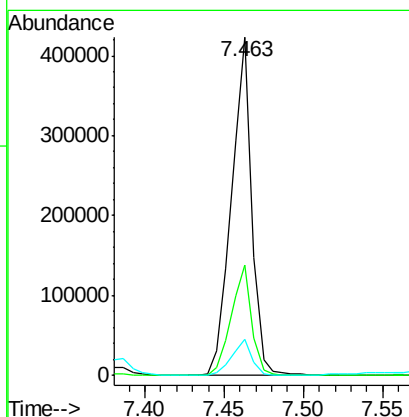
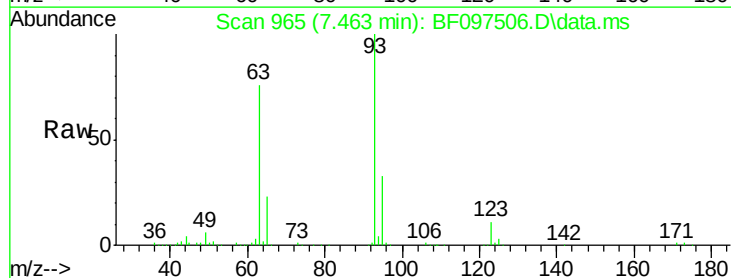
Tgt Ion: 93 Resp: 374912

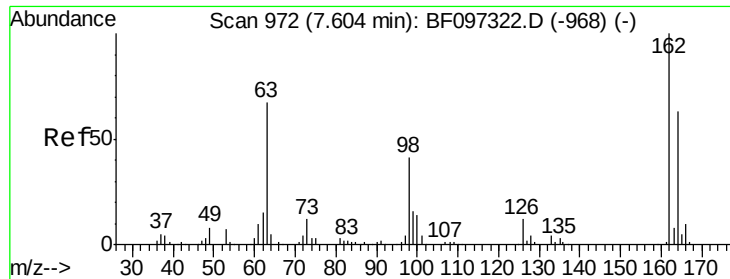
Ion Ratio Lower Upper

93 100

95 32.7 26.5 39.7

123 10.6 9.0 13.4





#29

2,4-Dichlorophenol

Concen: 48.96 ng

RT: 7.581 min Scan# 98

Delta R.T. 0.000 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MS

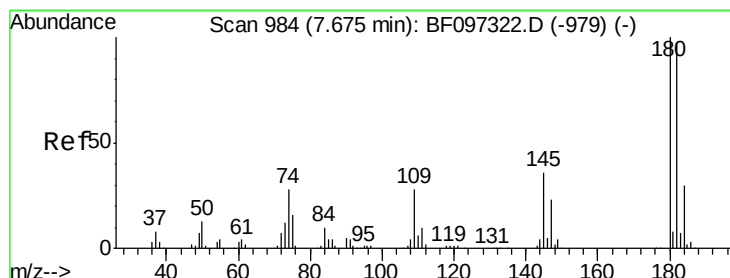
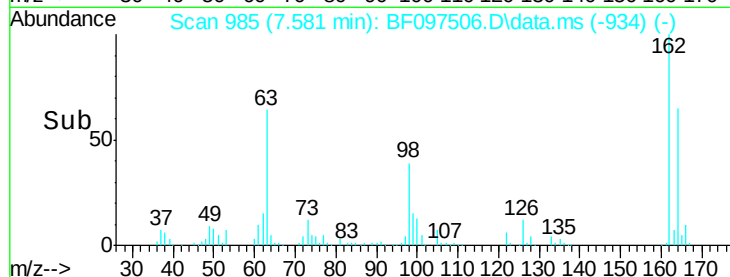
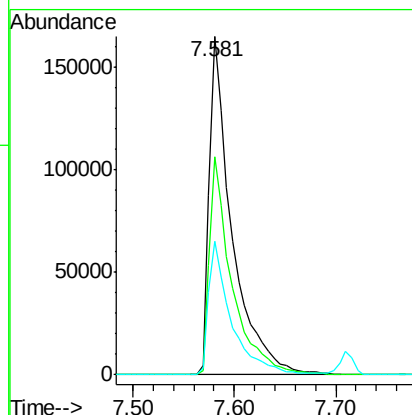
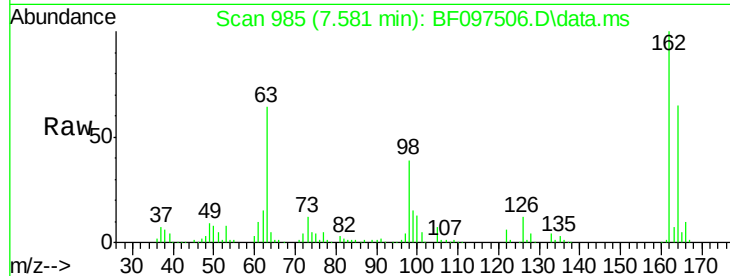
Tot Ion:162 Resp: 253195

Ion Ratio Lower Upper

162 100

164 64.6 44.6 84.6

98 39.3 14.8 54.8



#30

1,2,4-Trichlorobenzene

Concen: 45.05 ng

RT: 7.639 min Scan# 995

Delta R.T. -0.006 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

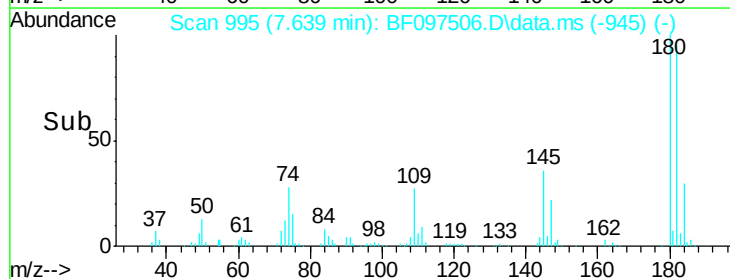
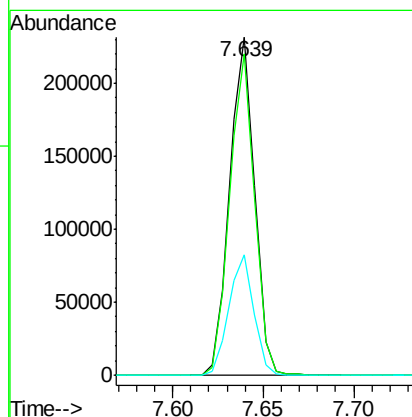
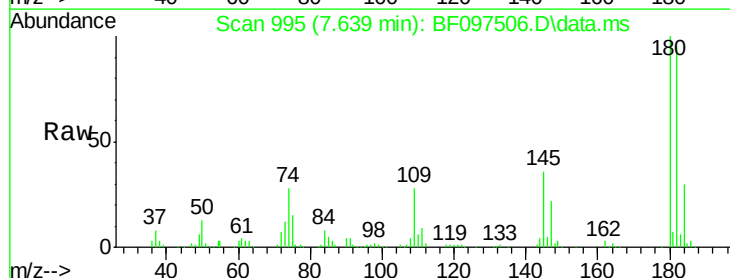
Tgt Ion:180 Resp: 222092

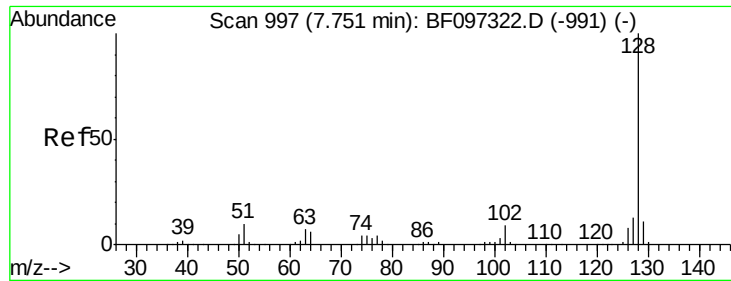
Ion Ratio Lower Upper

180 100

182 95.3 75.8 113.6

145 35.6 25.3 37.9

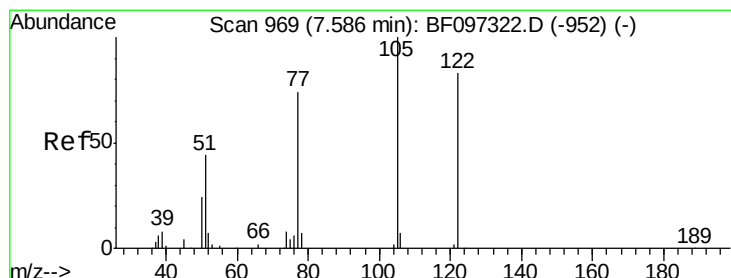
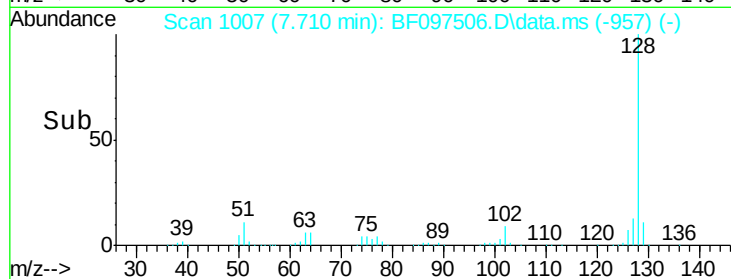
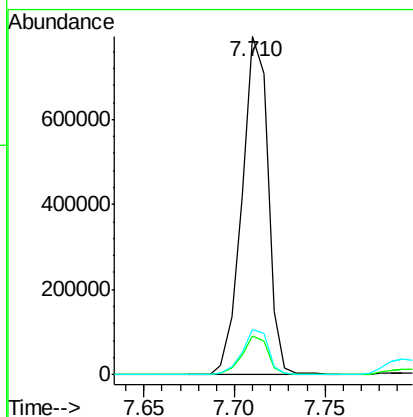
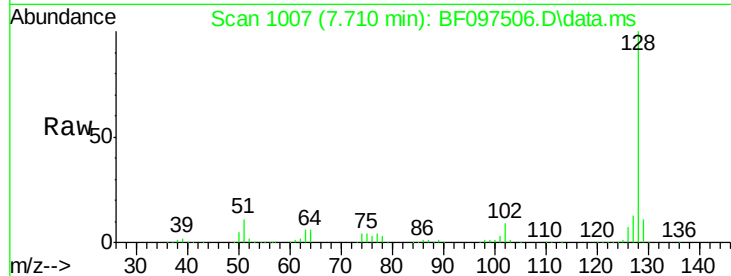




#31
Naphthalene
Concen: 44.50 ng
RT: 7.710 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF097506.D
Acq: 9 Aug 2017 9:27

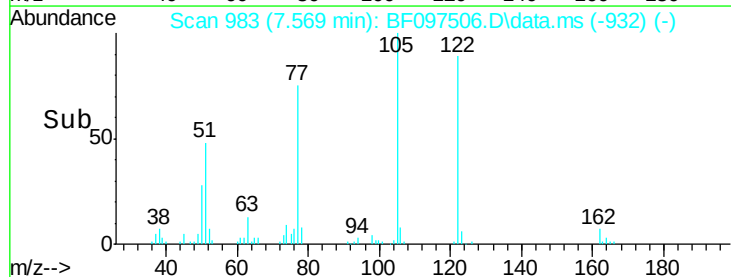
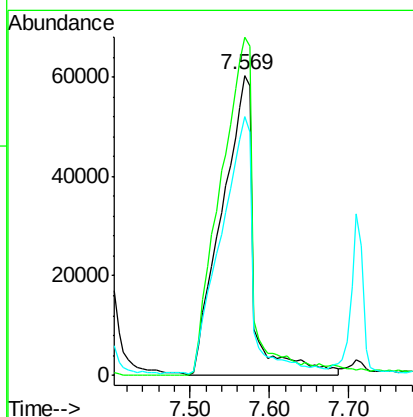
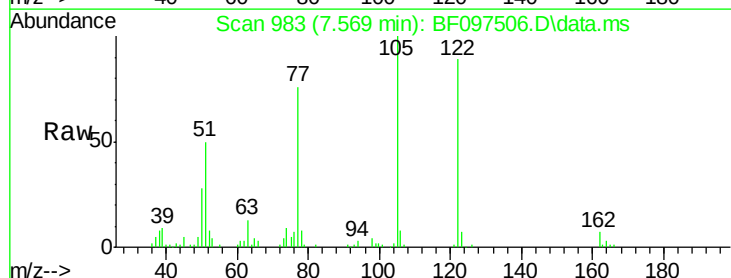
Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MS

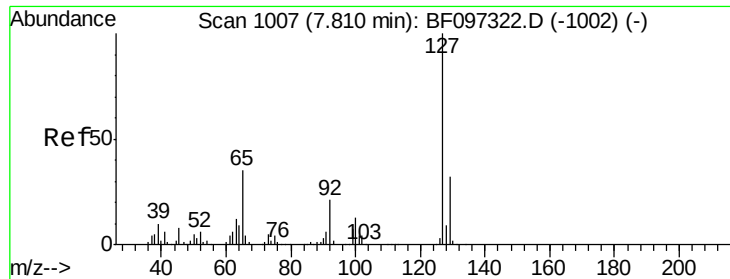
Tot Ion:128 Resp: 794870
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 13.4 10.8 16.2



#32
Benzoic acid
Concen: 37.94 ng
RT: 7.569 min Scan# 983
Delta R.T. 0.000 min
Lab File: BF097506.D
Acq: 9 Aug 2017 9:27

Tgt Ion:122 Resp: 170086
Ion Ratio Lower Upper
122 100
105 112.6 103.3 143.3
77 86.0 73.7 113.7

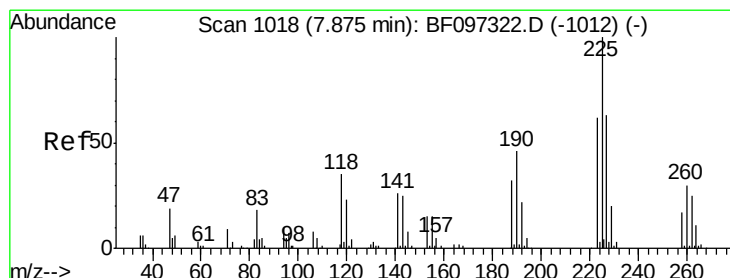
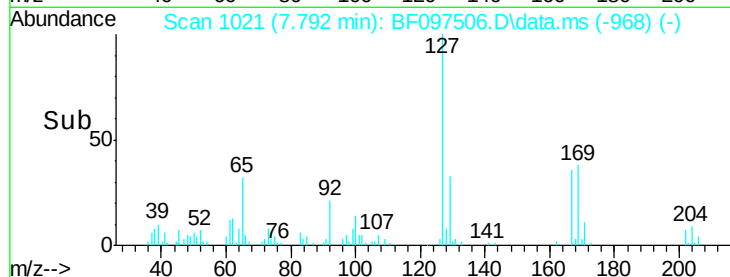
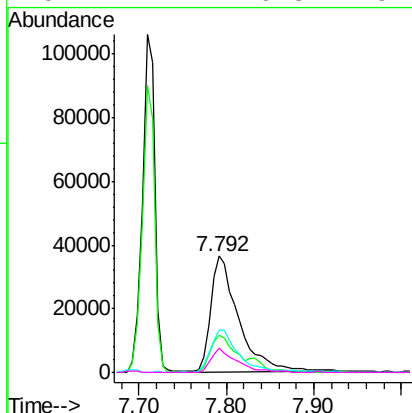
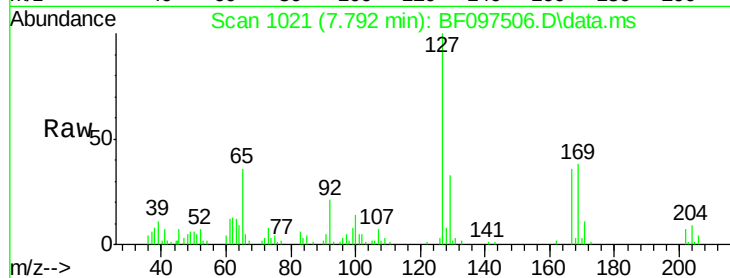




#33
4-Chloroaniline
Concen: 11.07 ng
RT: 7.792 min Scan# 10
Delta R.T. 0.012 min
Lab File: BF097506.D
Acq: 9 Aug 2017 9:27

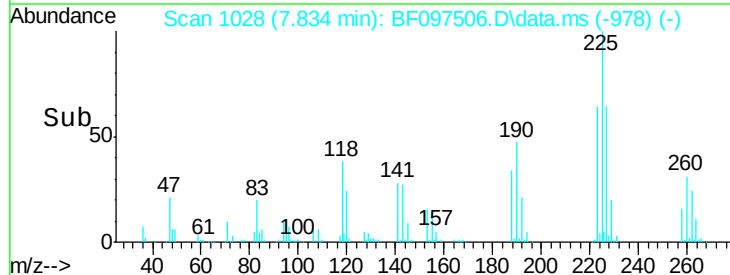
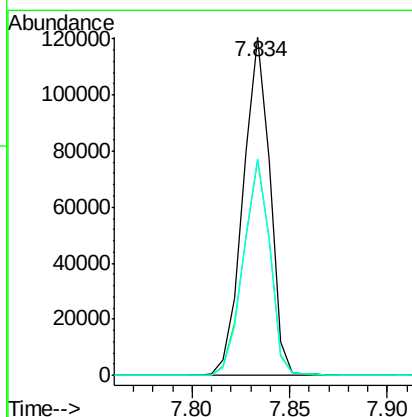
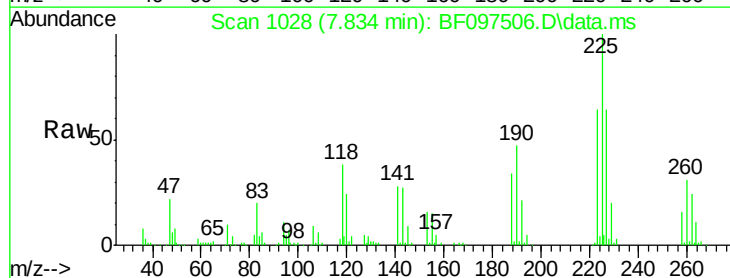
Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MS

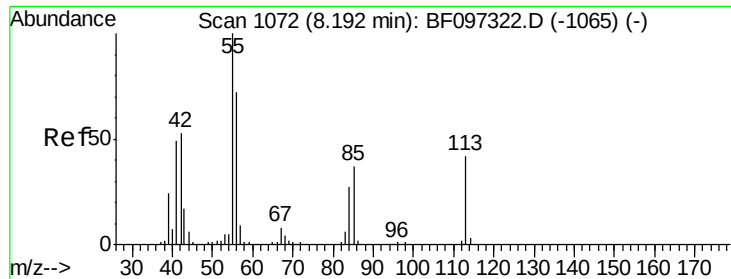
Tot Ion:	127	Resp:	80478
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.2	39.2
65	36.2	27.8	41.8
92	21.1	16.8	25.2



#34
Hexachlorobutadiene
Concen: 43.96 ng
RT: 7.834 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF097506.D
Acq: 9 Aug 2017 9:27

Tgt Ion:	225	Resp:	114881
Ion	Ratio	Lower	Upper
225	100		
223	63.8	48.8	73.2
227	63.9	51.1	76.7

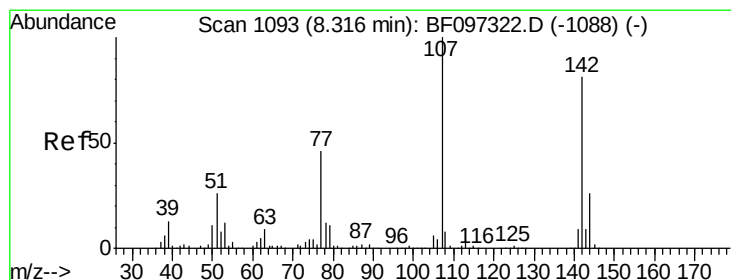
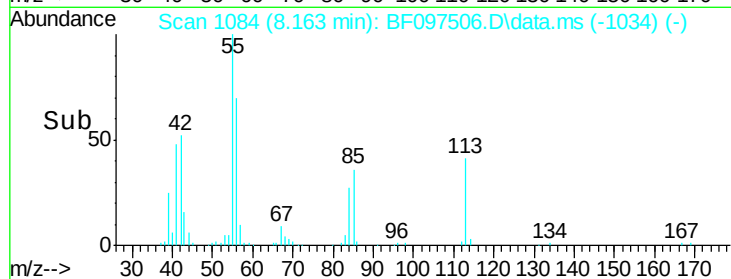
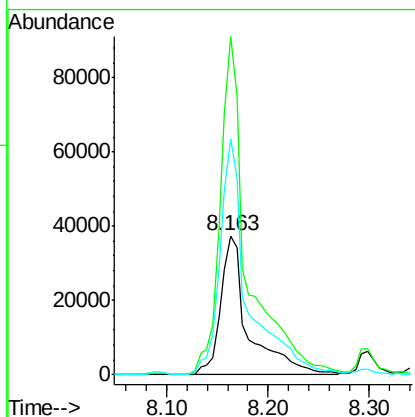
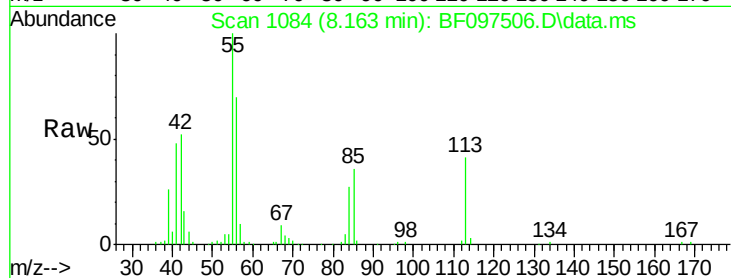




#35
 Caprolactam
 Concen: 42.74 ng
 RT: 8.163 min Scan# 1072
 Delta R.T. -0.006 min
 Lab File: BF097506.D
 Acq: 9 Aug 2017 9:27

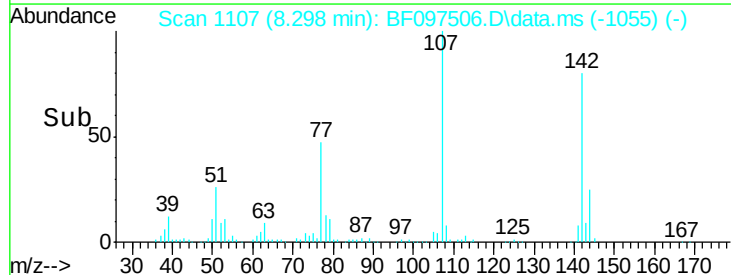
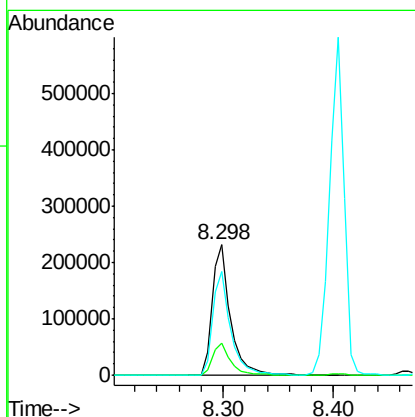
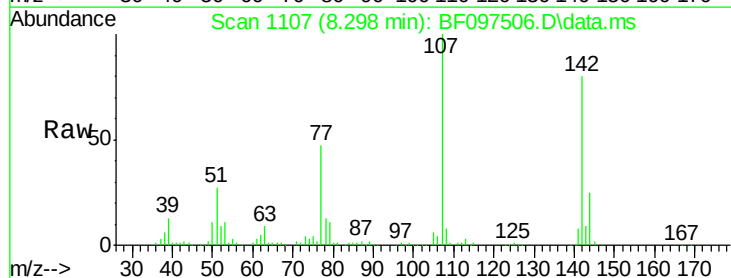
Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451MS

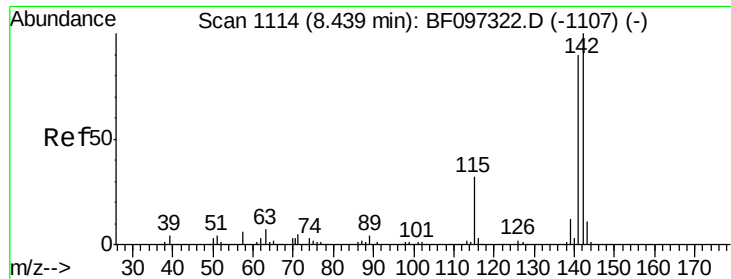
Tot Ion:113 Resp: 70878
 Ion Ratio Lower Upper
 113 100
 55 244.1 150.2 190.2#
 56 170.4 107.8 147.8#



#36
 4-Chloro-3-methylphenol
 Concen: 45.85 ng
 RT: 8.298 min Scan# 1107
 Delta R.T. 0.006 min
 Lab File: BF097506.D
 Acq: 9 Aug 2017 9:27

Tgt Ion:107 Resp: 258704
 Ion Ratio Lower Upper
 107 100
 144 24.5 24.2 36.4
 142 79.7 73.4 110.0

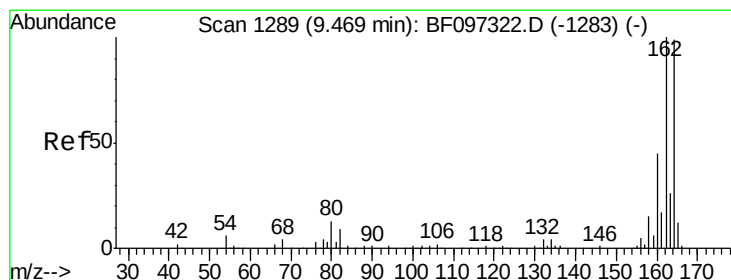
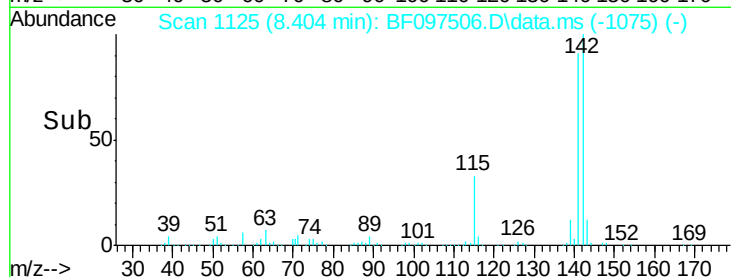
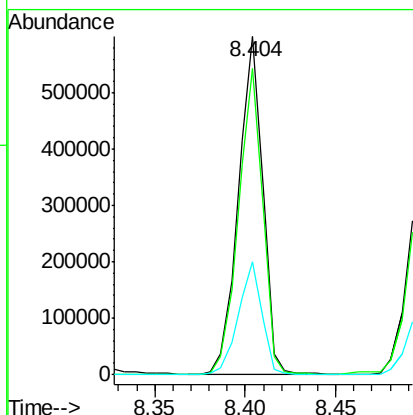
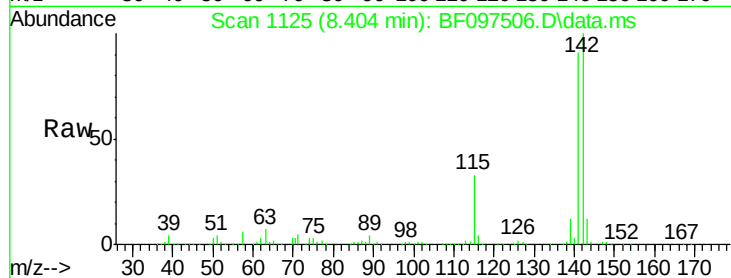




#37
 2-Methylnaphthalene
 Concen: 49.44 ng
 RT: 8.404 min Scan# 111
 Delta R.T. -0.006 min
 Lab File: BF097506.D
 Acq: 9 Aug 2017 9:27

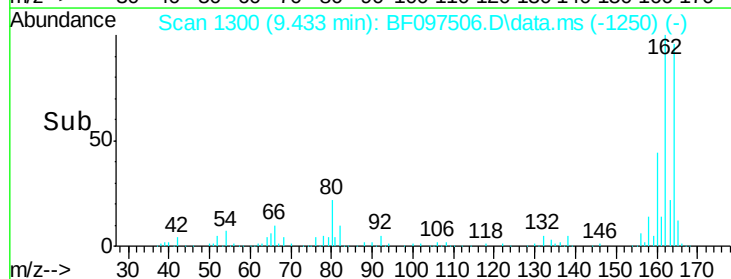
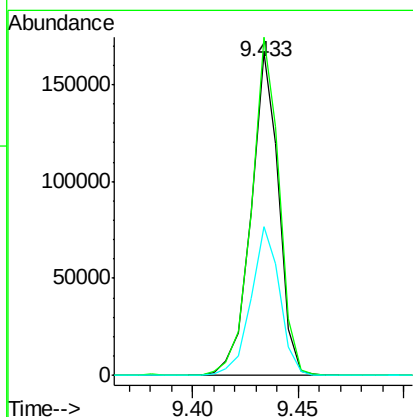
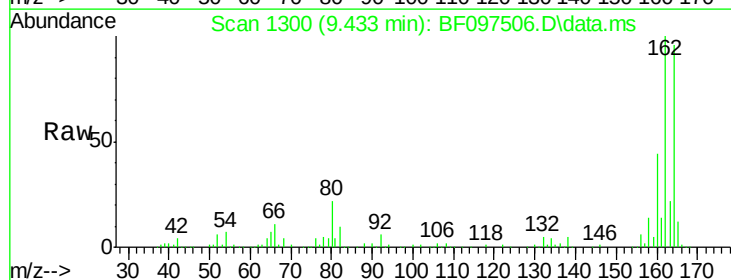
Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451MS

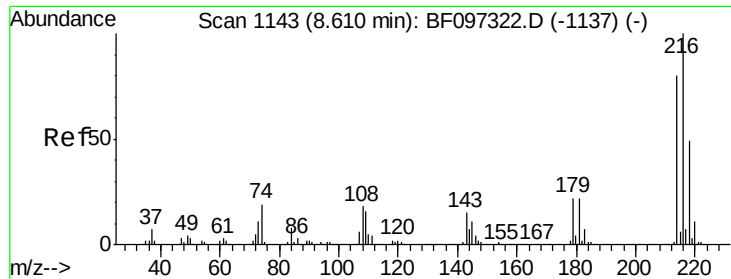
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.7	71.3	106.9
115	33.4	27.1	40.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.433 min Scan# 1300
 Delta R.T. -0.006 min
 Lab File: BF097506.D
 Acq: 9 Aug 2017 9:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	82.6	123.8
160	45.9	36.2	54.2





#39

1,2,4,5-Tetrachlorobenzene

Concen: 49.62 ng

RT: 8.575 min Scan# 111

Delta R.T. -0.006 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MS

Tot Ion:216 Resp: 199543

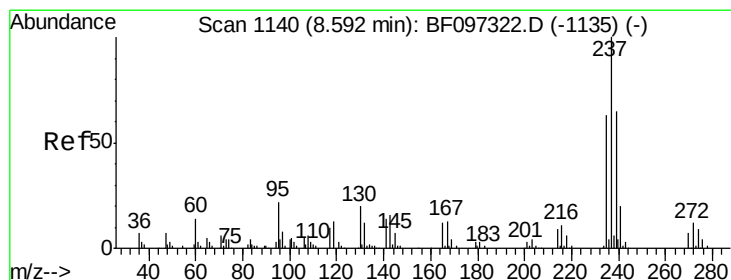
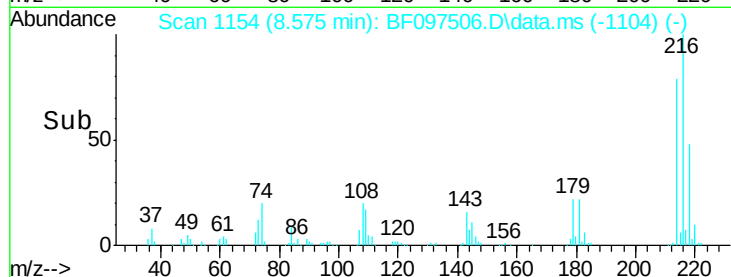
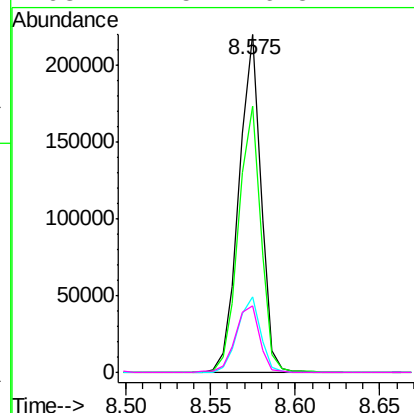
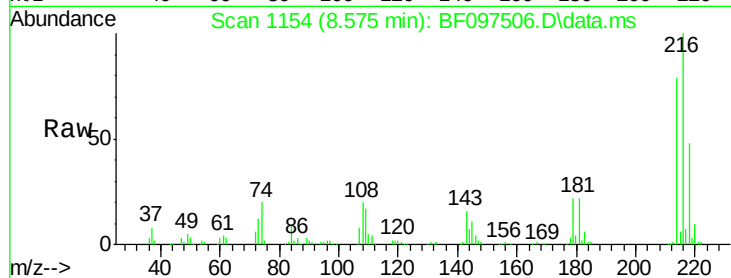
Ion Ratio Lower Upper

216 100

214 80.1 63.4 95.2

179 23.0 17.9 26.9

108 21.5 16.5 24.7



#40

Hexachlorocyclopentadiene

Concen: 11.99 ng

RT: 8.557 min Scan# 1151

Delta R.T. -0.006 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

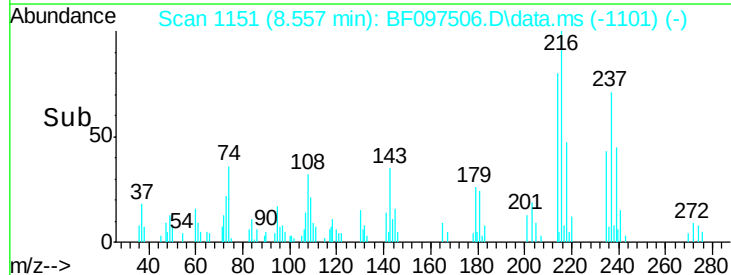
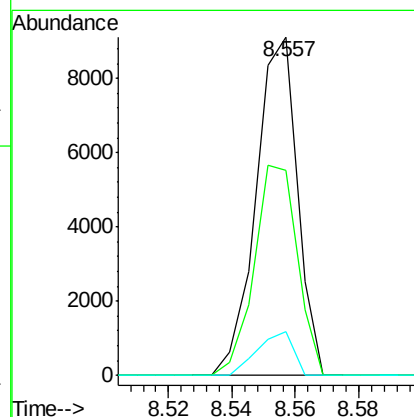
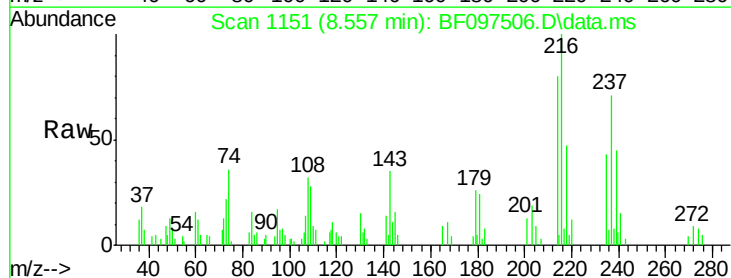
Tgt Ion:237 Resp: 8268

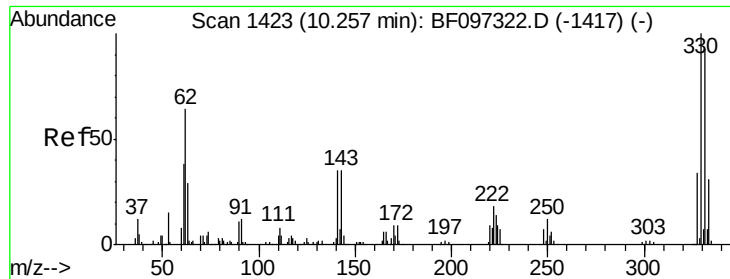
Ion Ratio Lower Upper

237 100

235 60.5 42.6 82.6

272 12.8 0.0 31.9

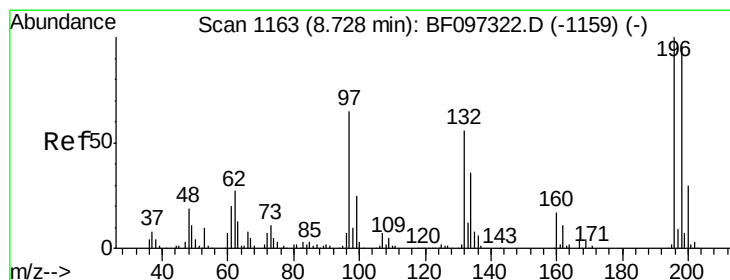
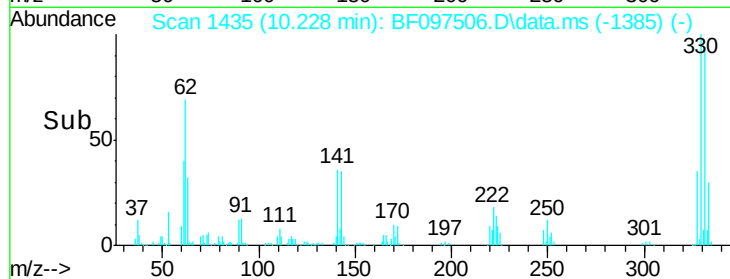
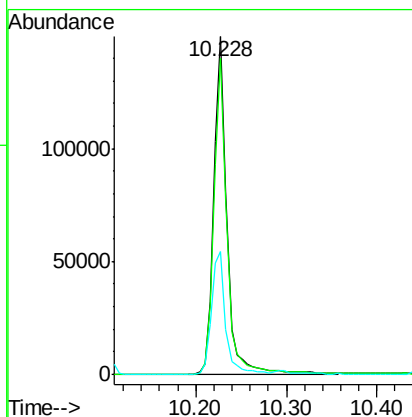
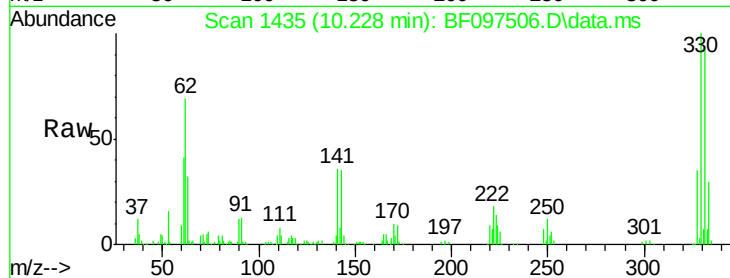




#41
 2,4,6-Tribromophenol
 Concen: 129.12 ng
 RT: 10.228 min Scan# 141
 Delta R.T. -0.006 min
 Lab File: BF097506.D
 Acq: 9 Aug 2017 9:27

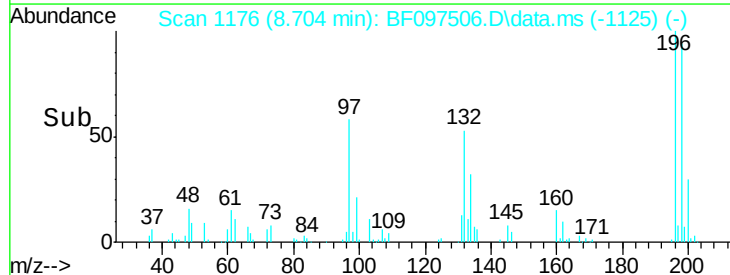
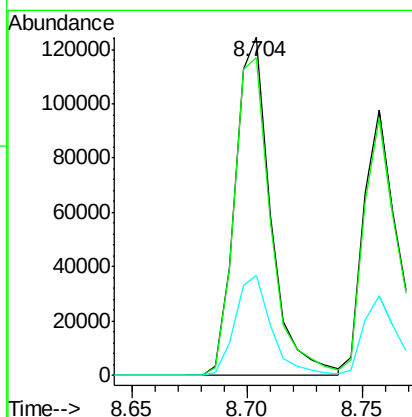
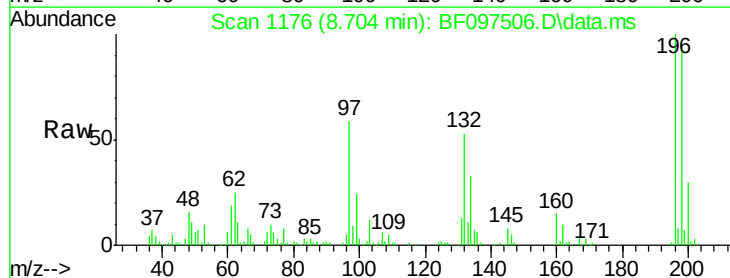
Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451MS

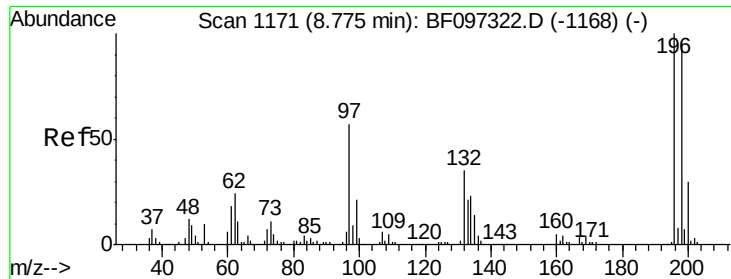
Tot Ion:330 Resp: 153759
 Ion Ratio Lower Upper
 330 100
 332 93.6 76.6 115.0
 141 39.0 31.4 47.2



#42
 2,4,6-Trichlorophenol
 Concen: 46.04 ng
 RT: 8.704 min Scan# 1176
 Delta R.T. 0.000 min
 Lab File: BF097506.D
 Acq: 9 Aug 2017 9:27

Tgt Ion:196 Resp: 134187
 Ion Ratio Lower Upper
 196 100
 198 93.9 74.2 111.4
 200 29.6 24.0 36.0

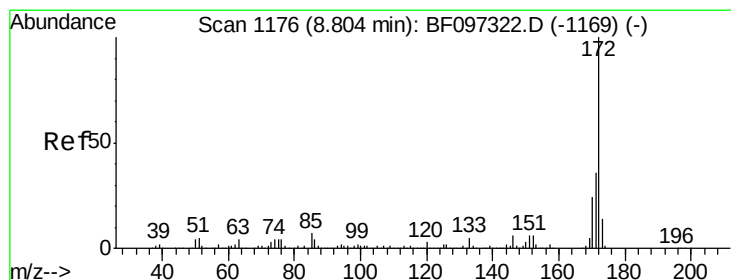
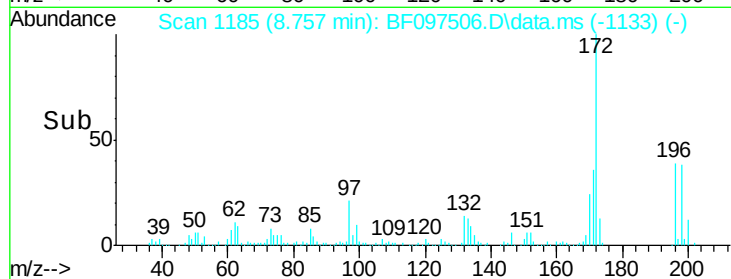
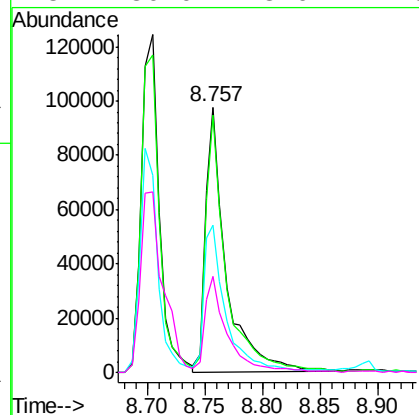
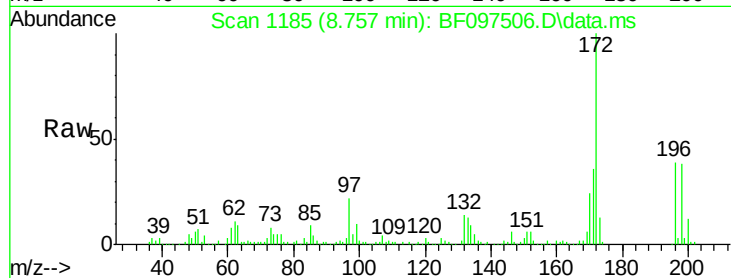




#43
 2,4,5-Trichlorophenol
 Concen: 41.74 ng
 RT: 8.757 min Scan# 1171
 Delta R.T. 0.006 min
 Lab File: BF097506.D
 Acq: 9 Aug 2017 9:27

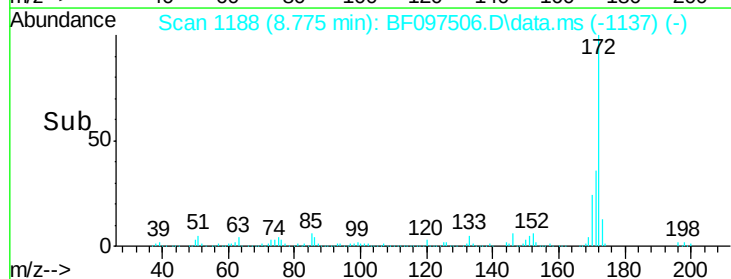
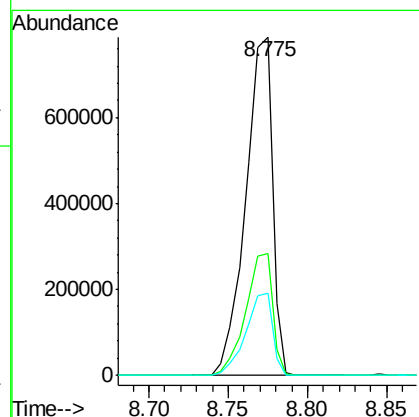
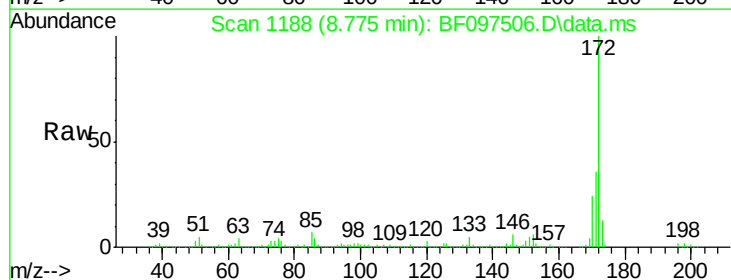
Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451MS

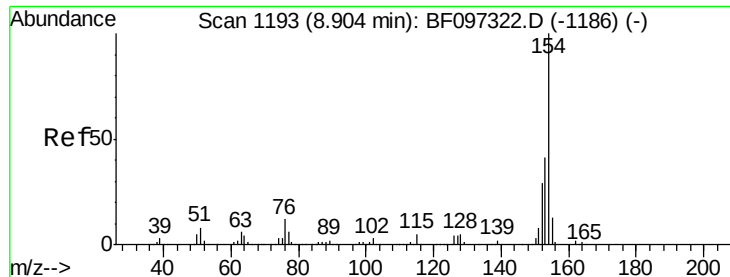
Tot Ion:	196	Resp:	121756
Ion Ratio	Lower	Upper	
196	100		
198	96.9	75.7	113.5
97	55.5	47.7	71.5
132	36.0	28.0	42.0



#44
 2-Fluorobiphenyl
 Concen: 103.96 ng
 RT: 8.775 min Scan# 1188
 Delta R.T. 0.000 min
 Lab File: BF097506.D
 Acq: 9 Aug 2017 9:27

Tgt Ion:	172	Resp:	923224
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.6	44.4
170	24.2	19.8	29.8





#45

1,1'-Biphenyl

Concen: 47.61 ng

RT: 8.869 min Scan# 12

Delta R.T. -0.006 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MS

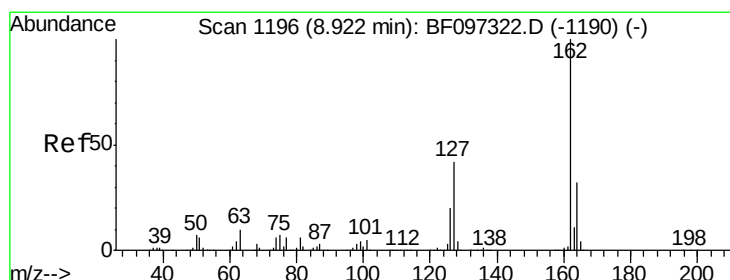
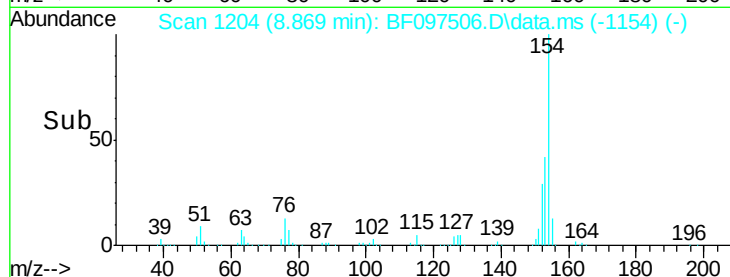
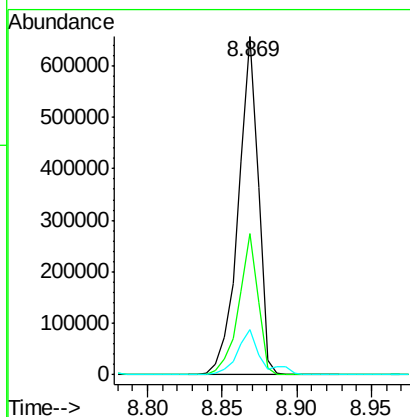
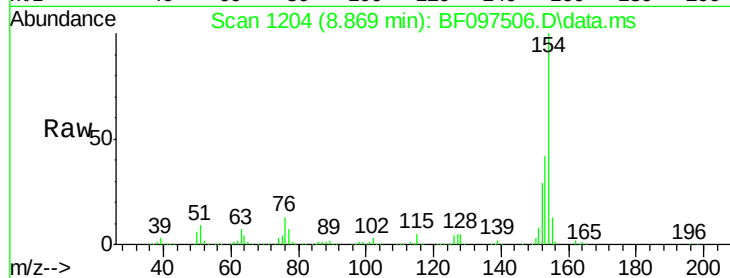
Tot Ion:154 Resp: 612945

Ion Ratio Lower Upper

154 100

153 41.7 21.2 61.2

76 13.4 0.0 29.9



#46

2-Chloronaphthalene

Concen: 48.48 ng

RT: 8.892 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

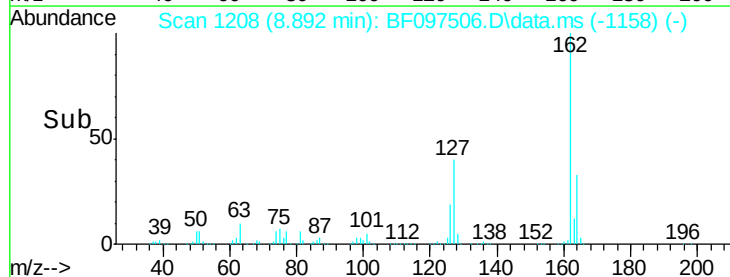
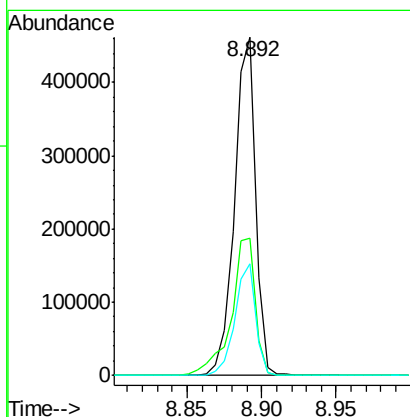
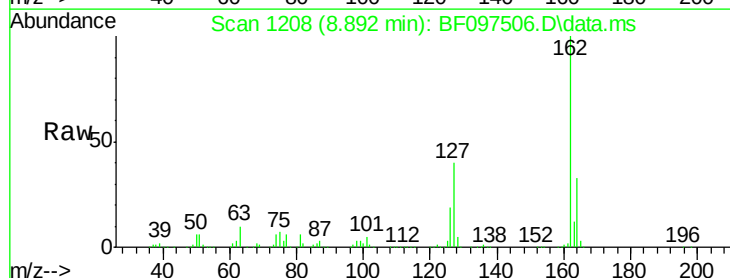
Tgt Ion:162 Resp: 459244

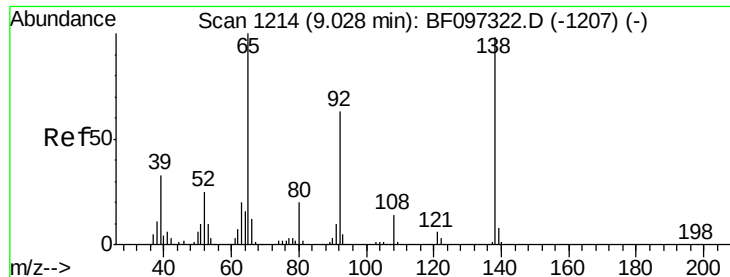
Ion Ratio Lower Upper

162 100

127 40.4 28.3 42.5

164 32.8 27.0 40.4





#47

2-Nitroaniline

Concen: 54.47 ng

RT: 9.004 min Scan# 1214

Delta R.T. 0.000 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MS

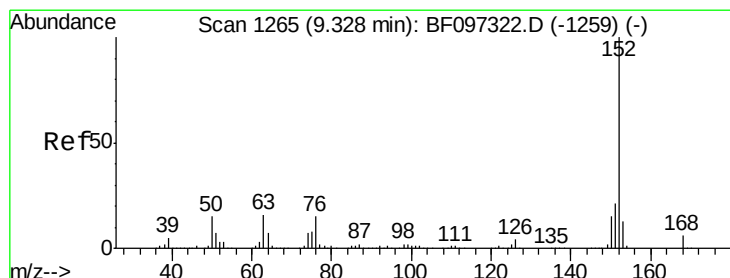
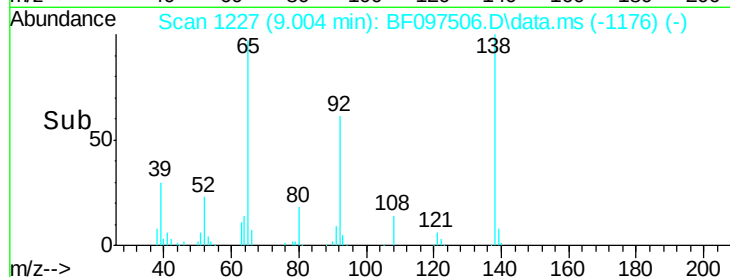
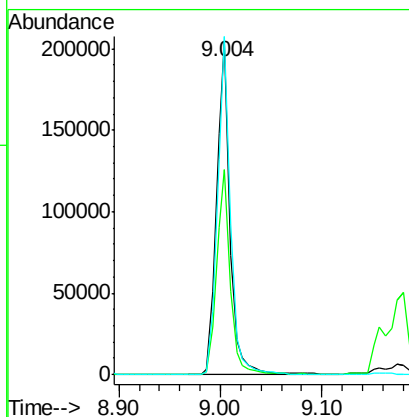
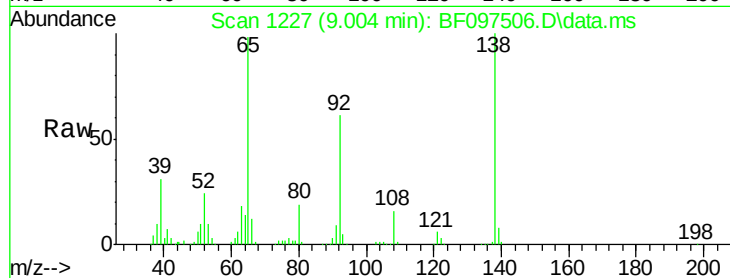
Tot Ion: 65 Resp: 187282

Ion Ratio Lower Upper

65 100

92 61.6 53.9 80.9

138 101.7 78.8 118.2



#48

Acenaphthylene

Concen: 46.31 ng

RT: 9.298 min Scan# 1277

Delta R.T. -0.006 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

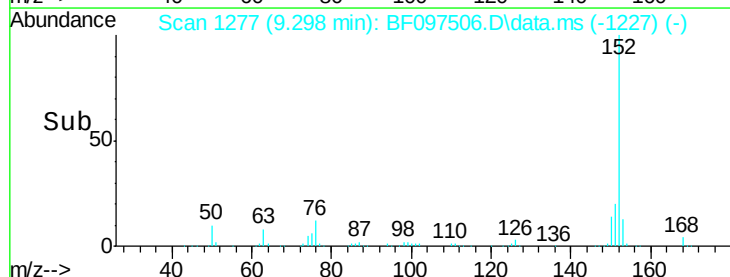
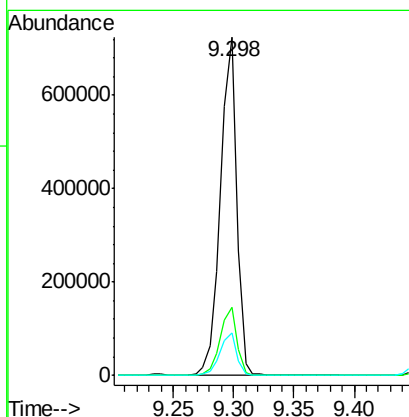
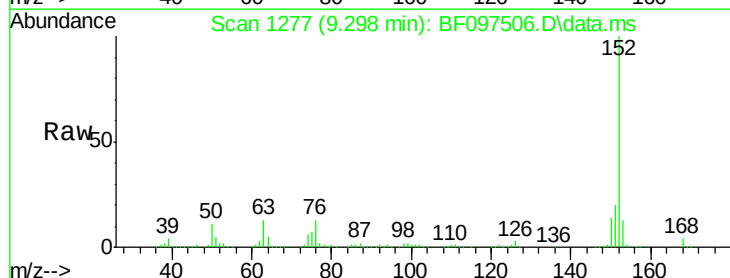
Tgt Ion: 152 Resp: 673417

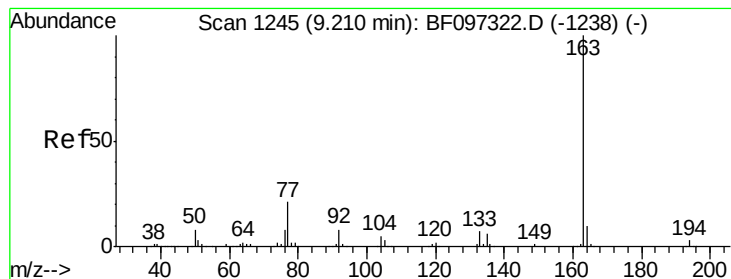
Ion Ratio Lower Upper

152 100

151 20.2 16.8 25.2

153 12.5 10.8 16.2





#49

Dimethylphthalate

Concen: 49.95 ng

RT: 9.181 min Scan# 12

Delta R.T. -0.006 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MS

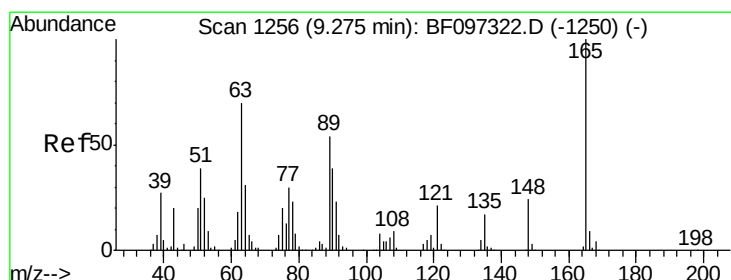
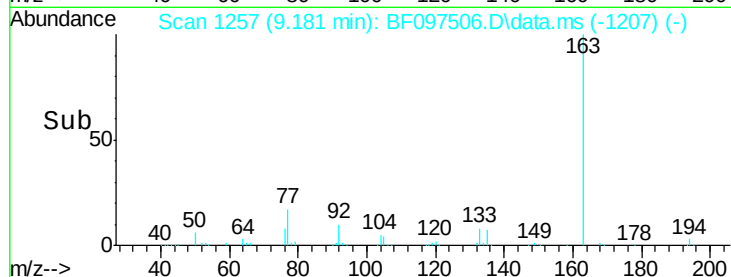
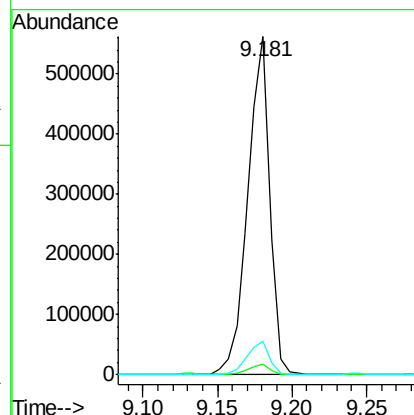
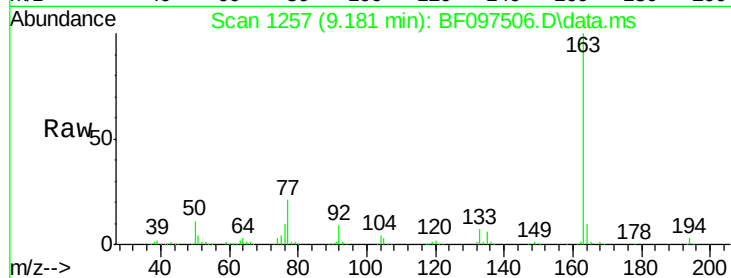
Tot Ion:163 Resp: 571664

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

164 9.8 8.4 12.6



#50

2,6-Dinitrotoluene

Concen: 44.43 ng

RT: 9.245 min Scan# 1268

Delta R.T. -0.006 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

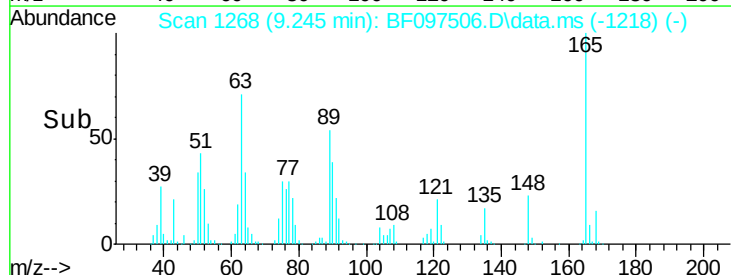
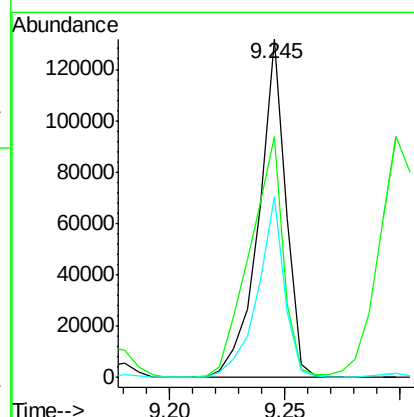
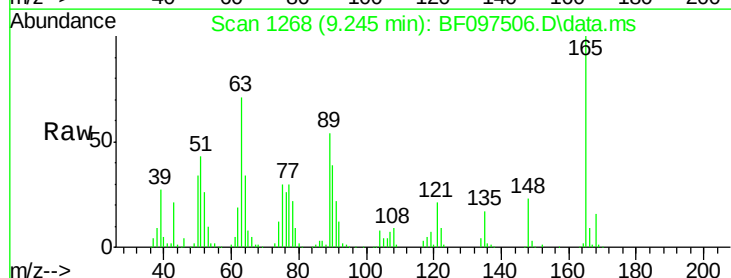
Tgt Ion:165 Resp: 107859

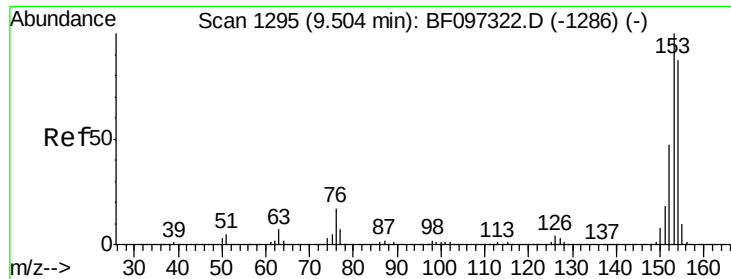
Ion Ratio Lower Upper

165 100

63 71.1 34.3 51.5#

89 53.5 37.1 55.7





#51

Acenaphthene

Concen: 46.67 ng

RT: 9.469 min Scan# 13

Delta R.T. -0.006 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MS

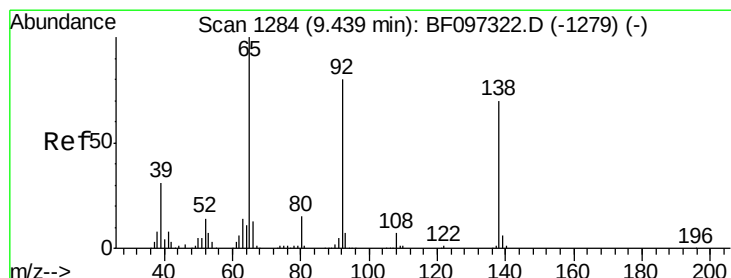
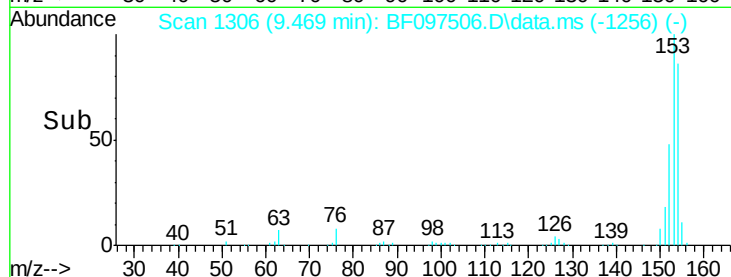
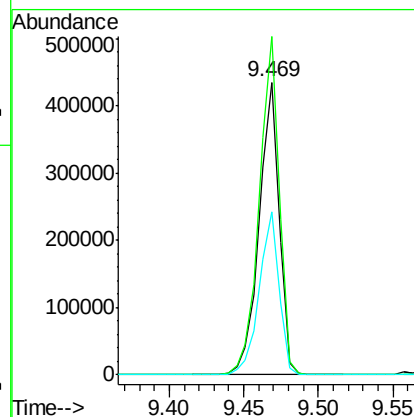
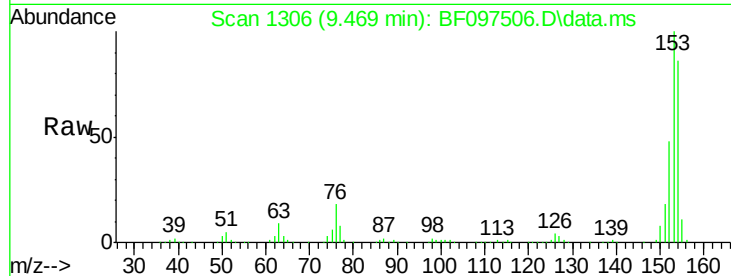
Tot Ion:154 Resp: 399692

Ion Ratio Lower Upper

154 100

153 115.7 90.5 135.7

152 55.7 43.6 65.4



#52

3-Nitroaniline

Concen: 26.98 ng

RT: 9.416 min Scan# 1297

Delta R.T. -0.006 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

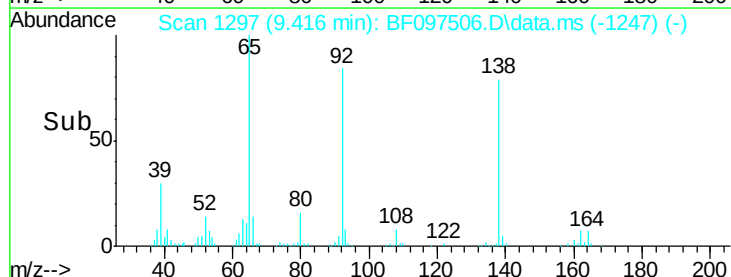
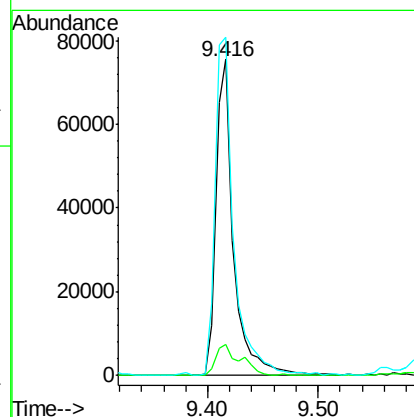
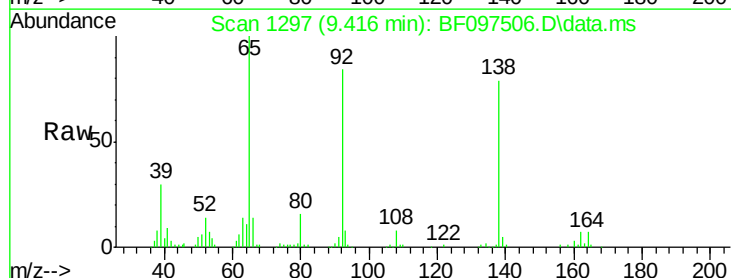
Tgt Ion:138 Resp: 81280

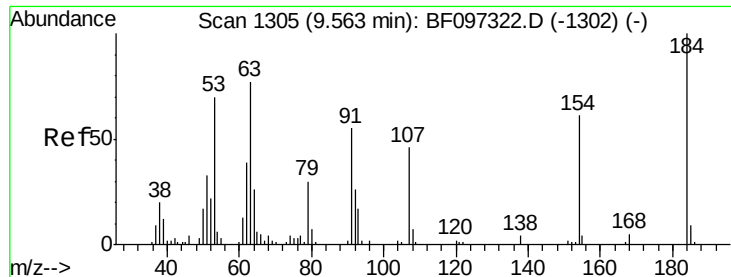
Ion Ratio Lower Upper

138 100

108 9.9 9.1 13.7

92 107.0 93.8 140.6

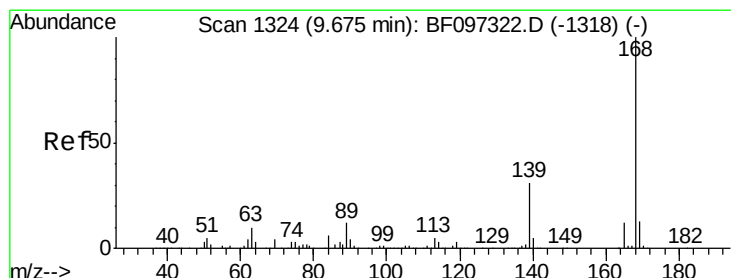
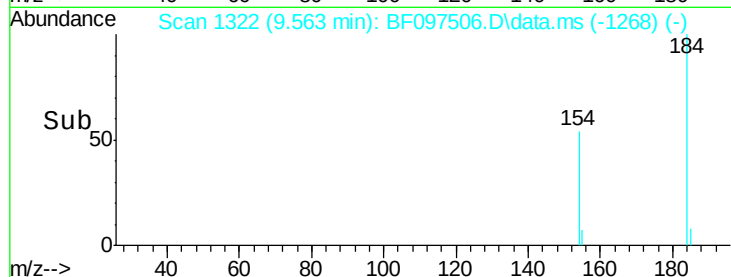
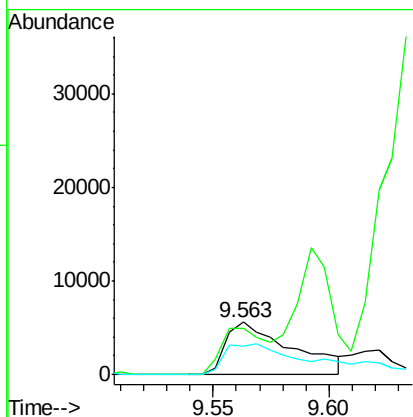
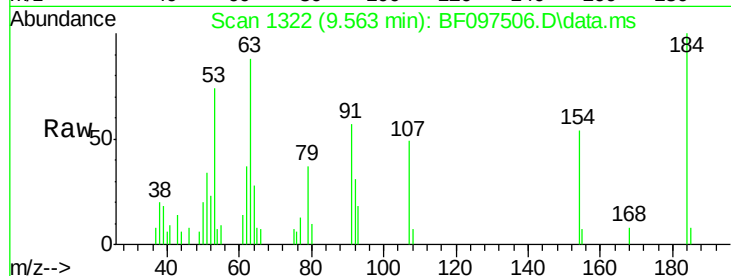




#53
2,4-Dinitrophenol
Concen: 10.06 ng
RT: 9.563 min Scan# 1305
Delta R.T. 0.018 min
Lab File: BF097506.D
Acq: 9 Aug 2017 9:27

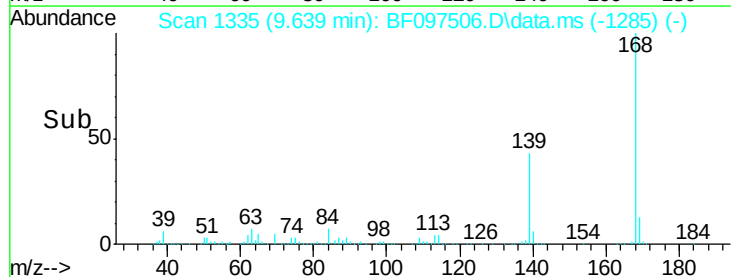
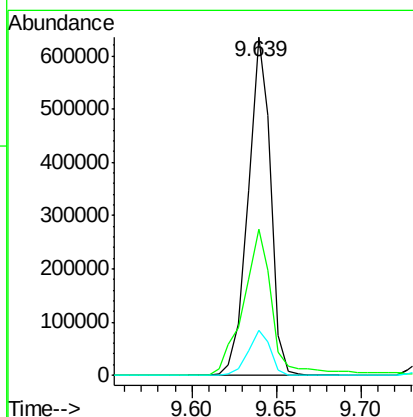
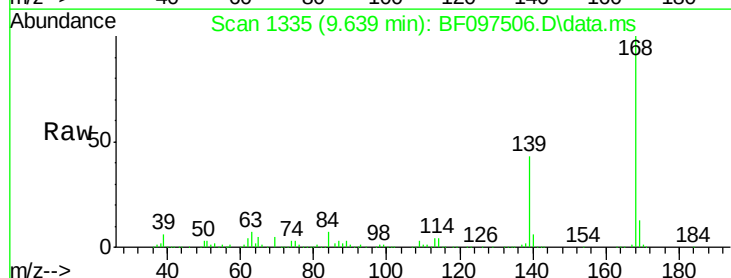
Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MS

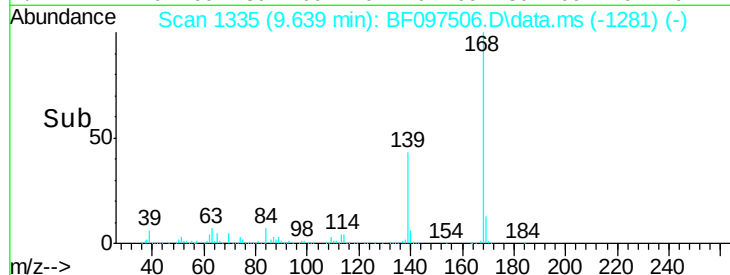
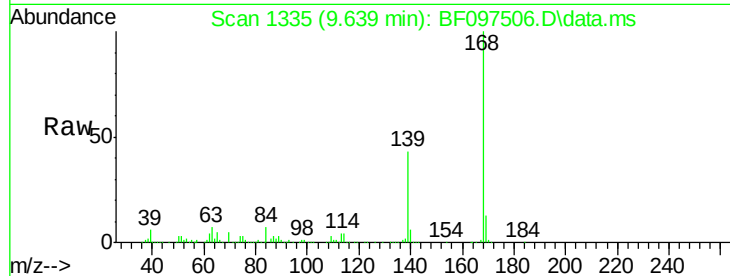
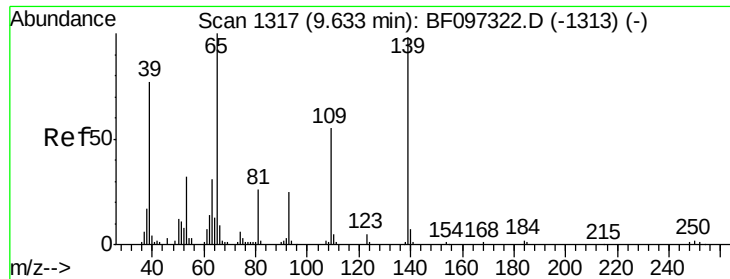
Tot Ion:184 Resp: 11100
Ion Ratio Lower Upper
184 100
63 88.2 62.7 94.1
154 54.0 81.1 121.7#



#54
Dibenzofuran
Concen: 51.82 ng
RT: 9.639 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF097506.D
Acq: 9 Aug 2017 9:27

Tgt Ion:168 Resp: 591204
Ion Ratio Lower Upper
168 100
139 43.3 30.6 45.8
169 13.2 10.8 16.2

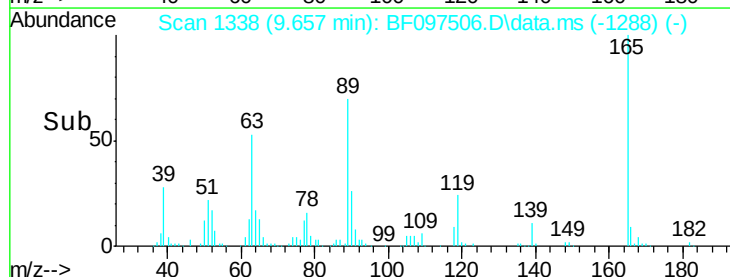
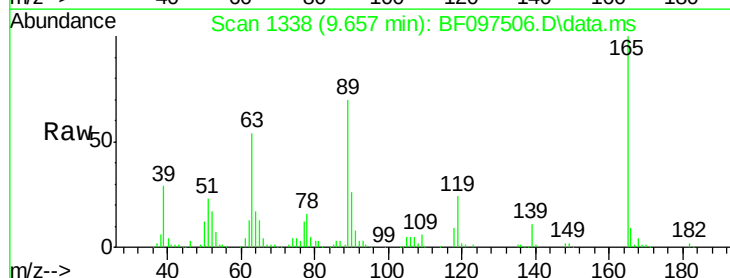
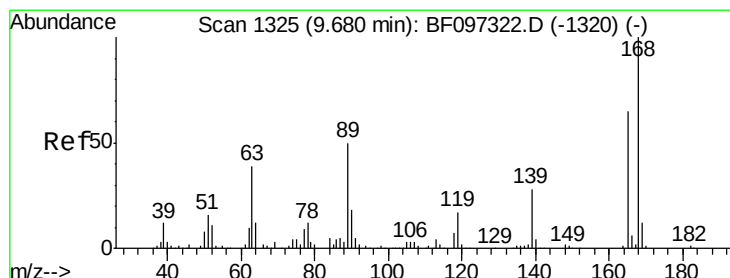
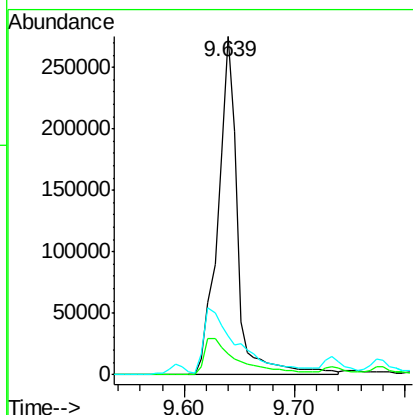




#55
4-Nitrophenol
Concen: 189.67 ng
RT: 9.639 min Scan# 1317
Delta R.T. 0.018 min
Lab File: BF097506.D
Acq: 9 Aug 2017 9:27

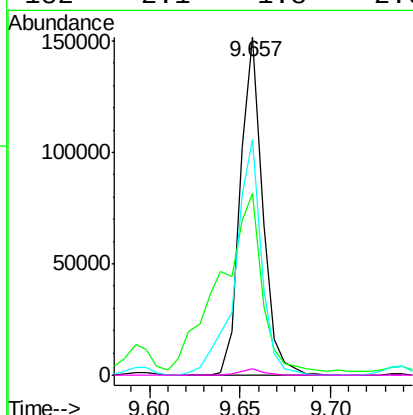
Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MS

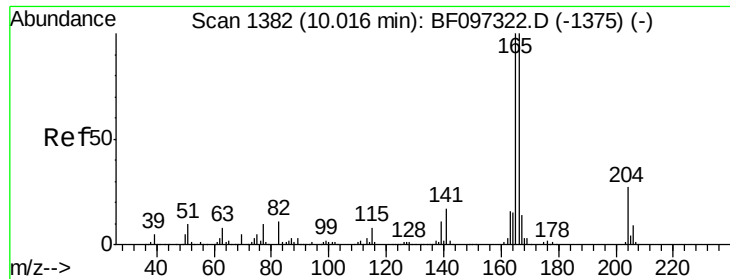
Tot Ion	Ratio	Lower	Upper
139	100		
109	6.0	34.1	74.1#
65	11.3	31.4	71.4#



#56
2,4-Dinitrotoluene
Concen: 46.53 ng
RT: 9.657 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF097506.D
Acq: 9 Aug 2017 9:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	53.6	25.4	38.0#
89	69.6	46.4	69.6
182	2.1	1.8	2.6





#57

Fluorene

Concen: 47.63 ng

RT: 9.980 min Scan# 1382

Delta R.T. -0.012 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MS

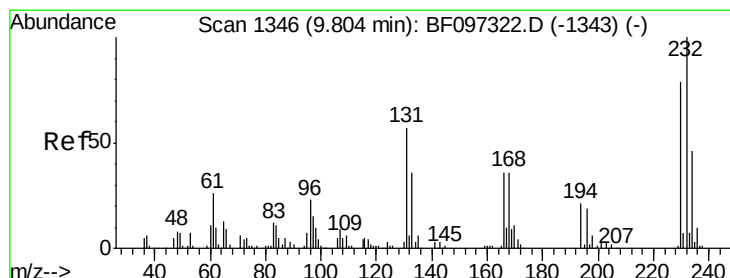
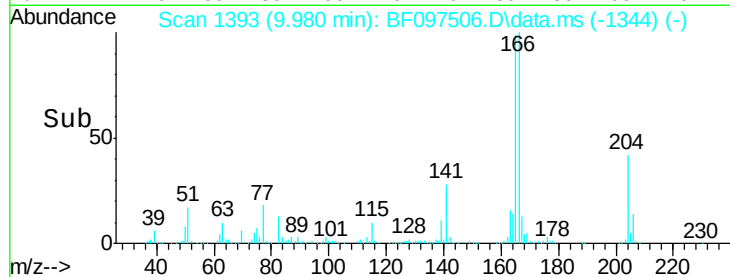
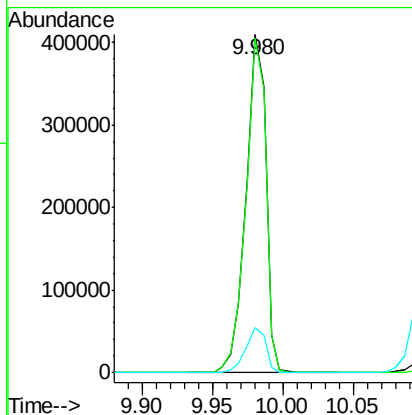
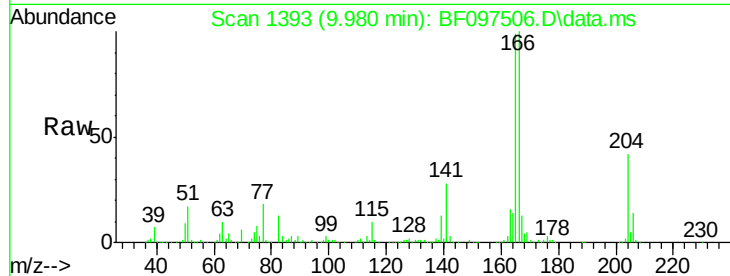
Tot Ion:166 Resp: 408435

Ion Ratio Lower Upper

166 100

165 98.8 78.8 118.2

167 13.4 10.6 16.0



#58

2,3,4,6-Tetrachlorophenol

Concen: 47.76 ng

RT: 9.780 min Scan# 1359

Delta R.T. 0.000 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

Tgt Ion:232 Resp: 96186

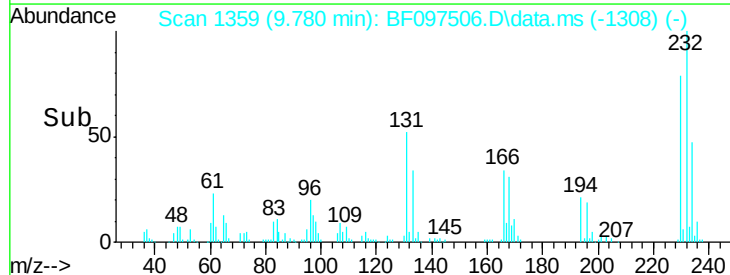
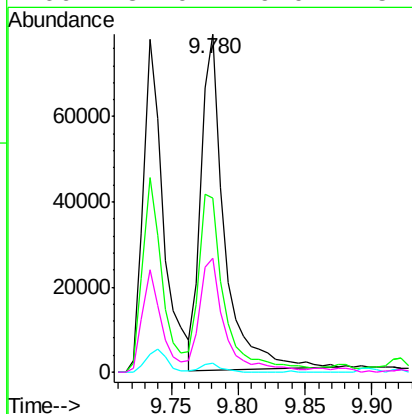
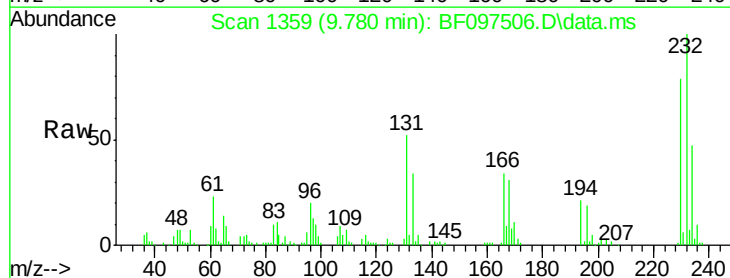
Ion Ratio Lower Upper

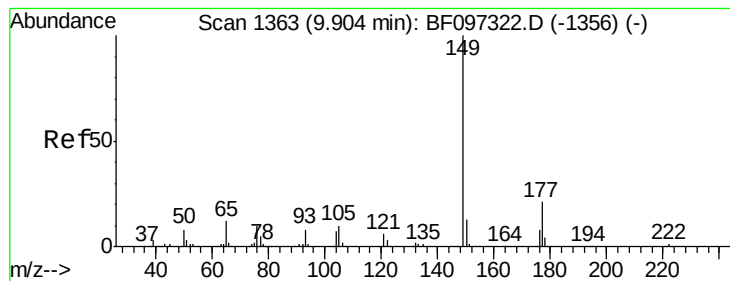
232 100

131 55.9 44.8 67.2

130 2.4 2.3 3.5

166 34.0 29.0 43.4





#59

Diethylphthalate

Concen: 50.07 ng

RT: 9.875 min Scan# 1363

Delta R.T. -0.012 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MS

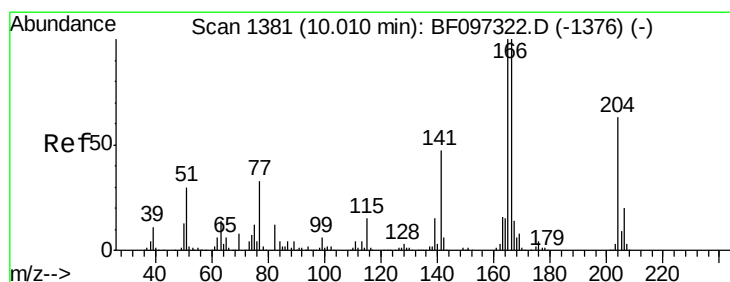
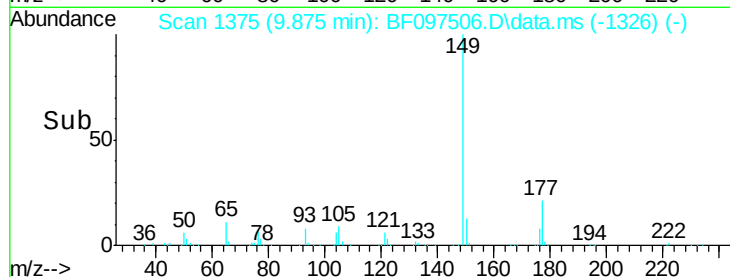
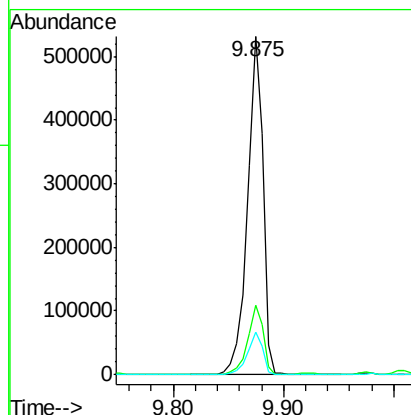
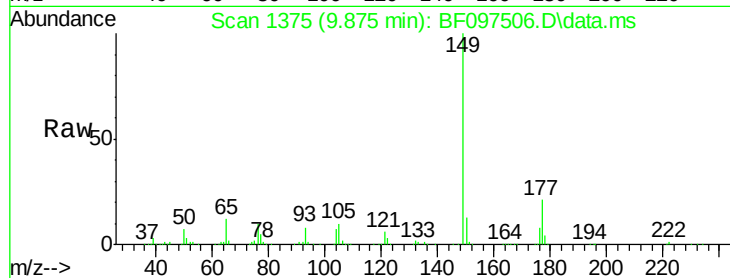
Tot Ion:149 Resp: 525734

Ion Ratio Lower Upper

149 100

177 20.6 16.7 25.1

150 12.7 10.2 15.2



#60

4-Chlorophenyl-phenylether

Concen: 49.19 ng

RT: 9.975 min Scan# 1392

Delta R.T. -0.012 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

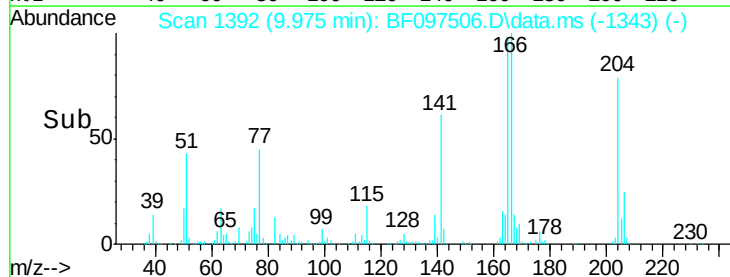
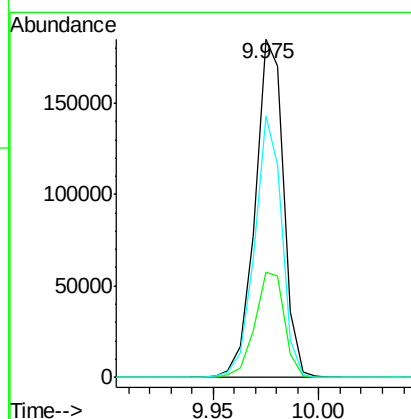
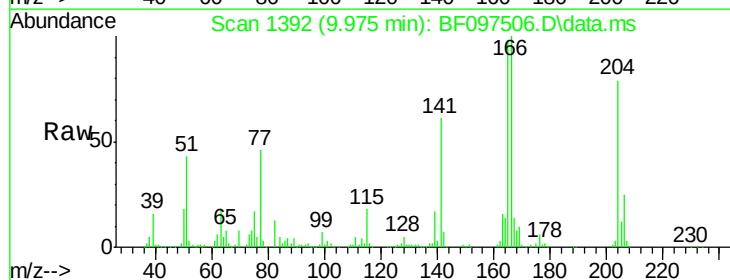
Tgt Ion:204 Resp: 174182

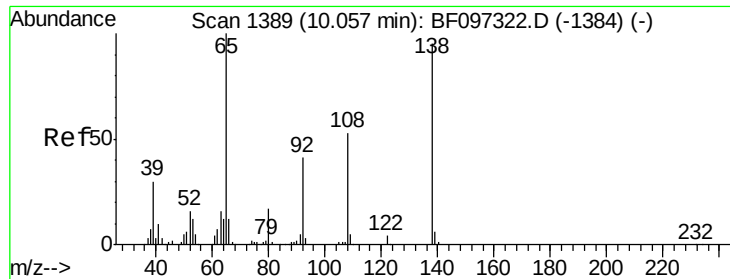
Ion Ratio Lower Upper

204 100

206 31.1 26.2 39.2

141 77.3 60.8 91.2

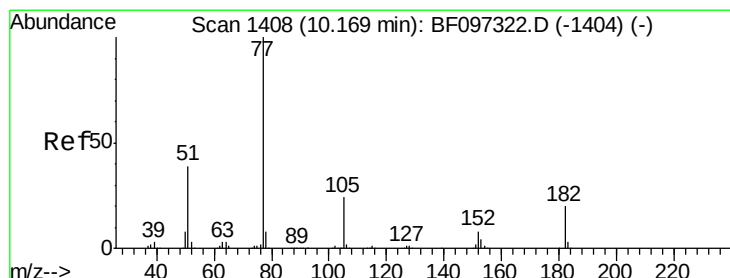
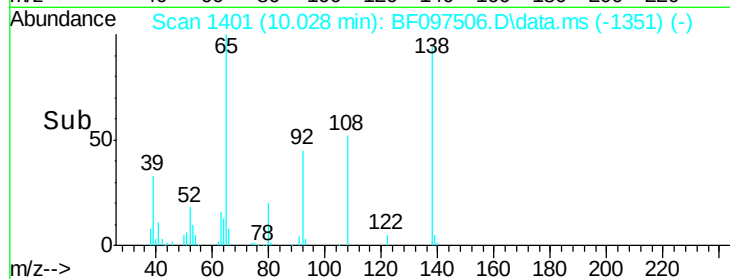
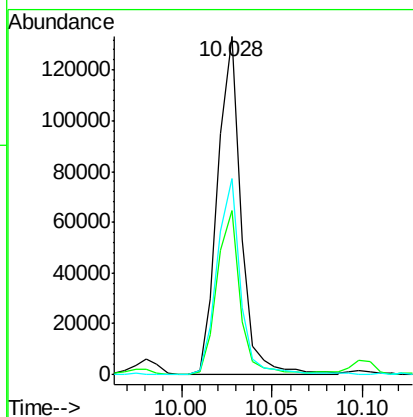
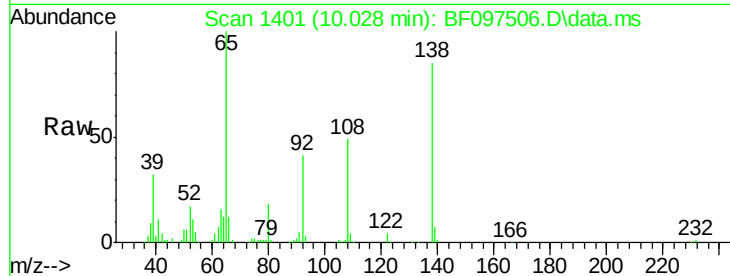




#61
4-Nitroaniline
Concen: 41.87 ng
RT: 10.028 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF097506.D
Acq: 9 Aug 2017 9:27

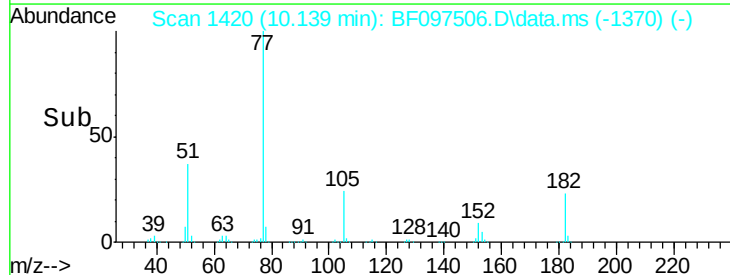
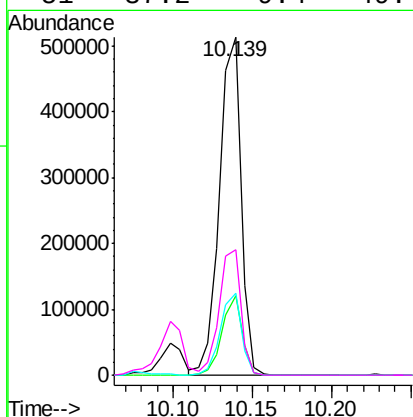
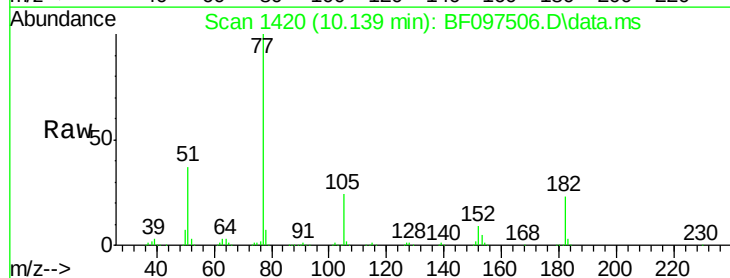
Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MS

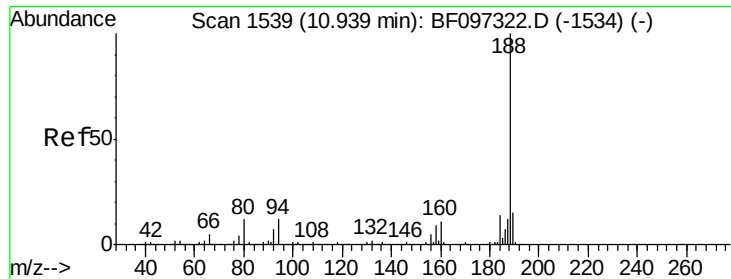
Tot Ion:138 Resp: 119882
Ion Ratio Lower Upper
138 100
92 48.3 21.8 61.8
108 57.9 42.3 82.3



#62
Azobenzene
Concen: 50.05 ng
RT: 10.139 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF097506.D
Acq: 9 Aug 2017 9:27

Tgt Ion: 77 Resp: 487565
Ion Ratio Lower Upper
77 100
182 23.4 0.1 40.1
105 24.3 3.6 43.6
51 37.2 9.4 49.4

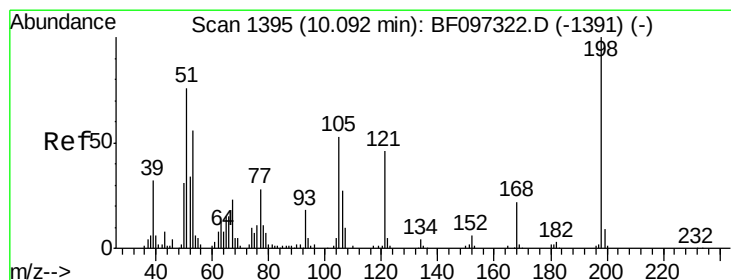
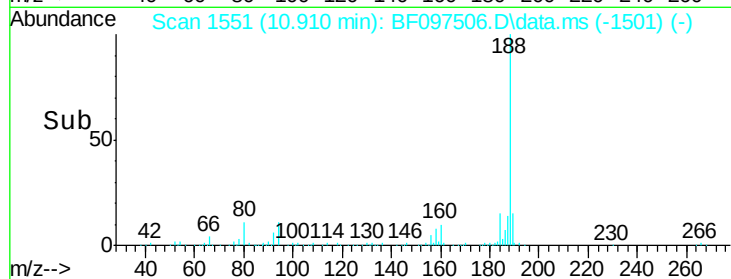
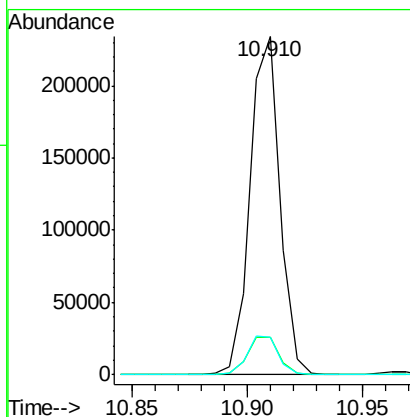
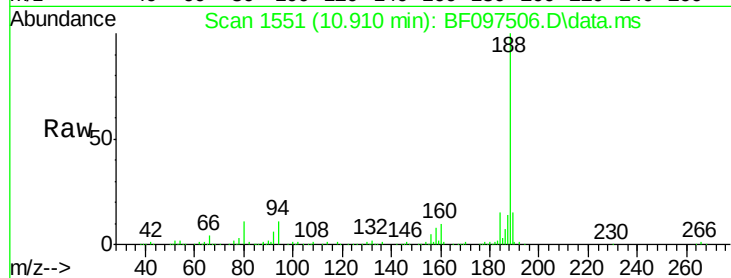




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.910 min Scan# 1539
Delta R.T. -0.006 min
Lab File: BF097506.D
Acq: 9 Aug 2017 9:27

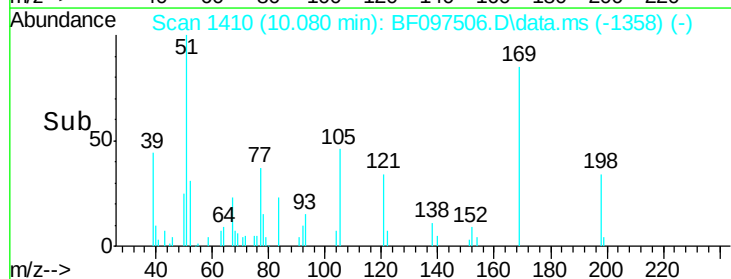
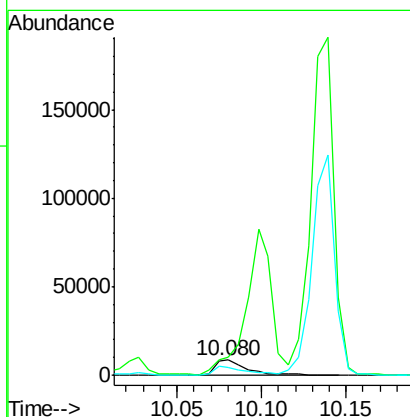
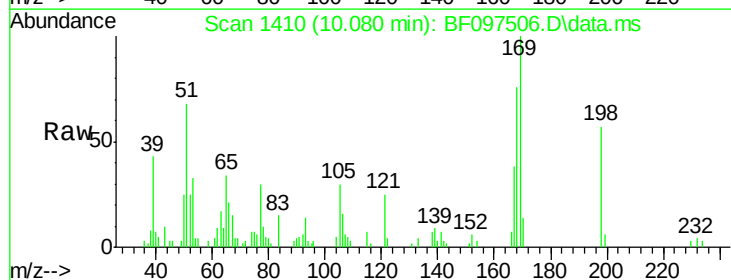
Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MS

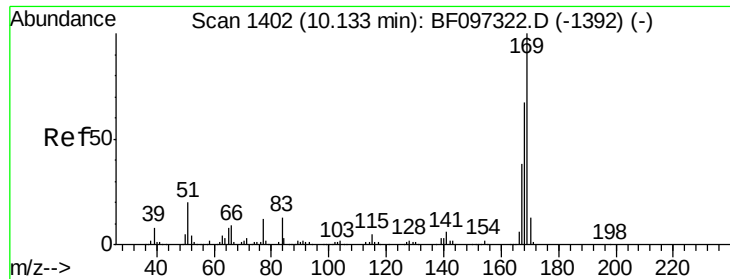
Tot Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.4	14.2
80	10.9	10.2	15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 8.59 ng
RT: 10.080 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF097506.D
Acq: 9 Aug 2017 9:27

Tgt Ion	Ratio	Lower	Upper
198	100		
51	119.6	53.2	93.2#
105	53.3	45.8	85.8

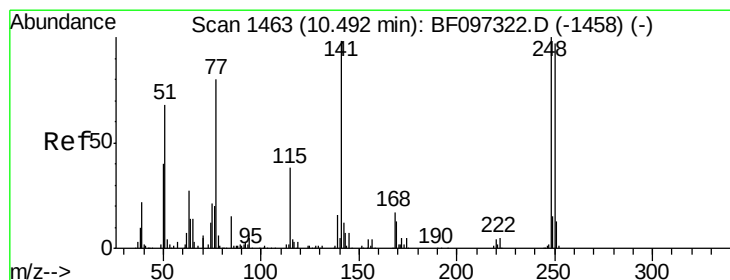
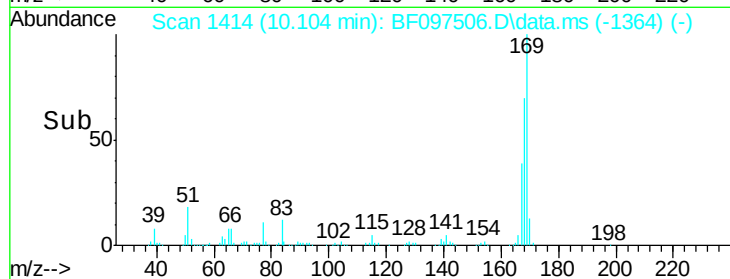
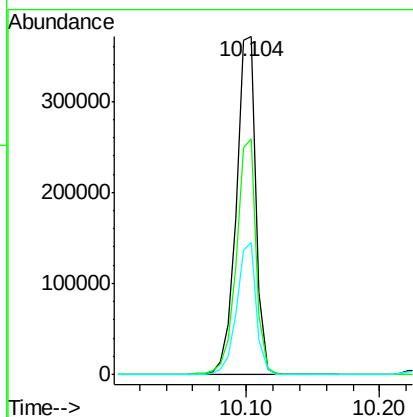
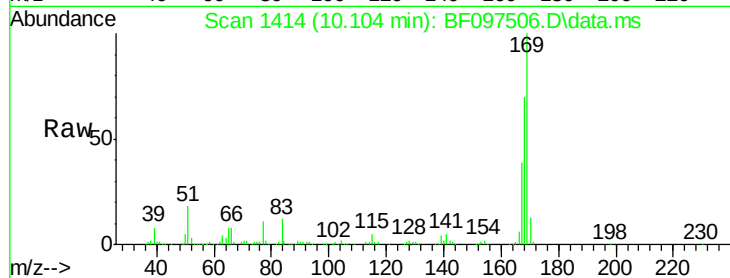




#65
n-Nitrosodiphenylamine
Concen: 51.85 ng
RT: 10.104 min Scan# 1402
Delta R.T. -0.006 min
Lab File: BF097506.D
Acq: 9 Aug 2017 9:27

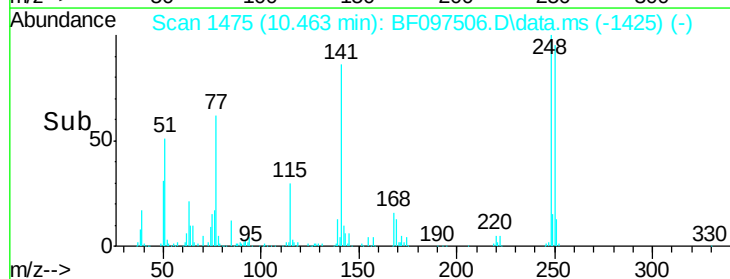
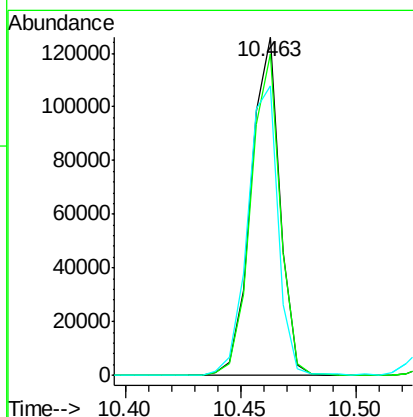
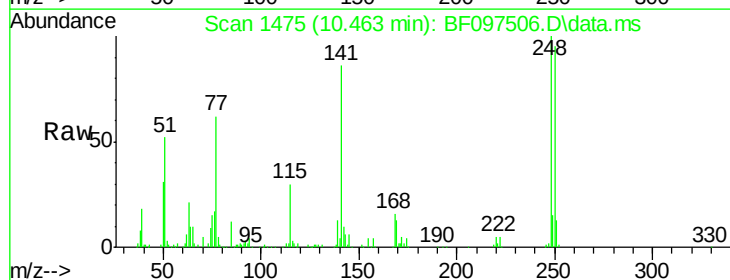
Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MS

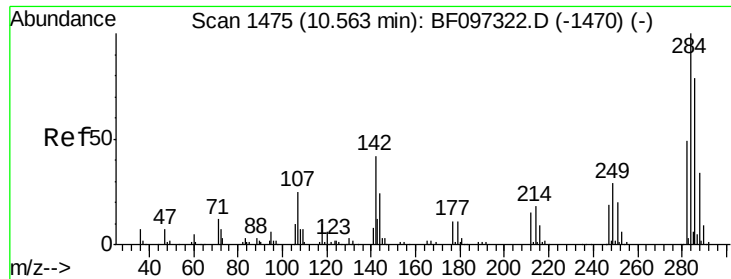
Tot Ion	Ion	Ratio	Resp	Lower	Upper
169	100		381829		
168	69.9	53.2		79.8	
167	39.2	29.5		44.3	



#66
4-Bromophenyl-phenylether
Concen: 52.23 ng
RT: 10.463 min Scan# 1475
Delta R.T. -0.006 min
Lab File: BF097506.D
Acq: 9 Aug 2017 9:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
248	100		110323		
250	95.1	76.8		115.2	
141	85.7	68.6		103.0	

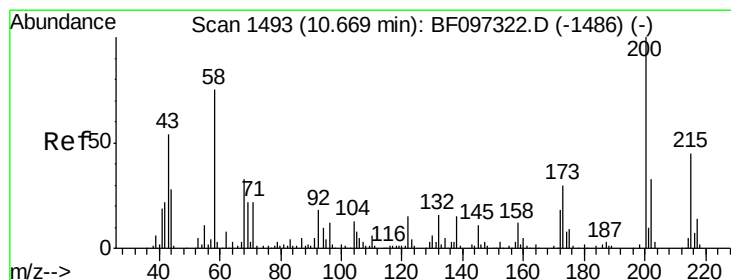
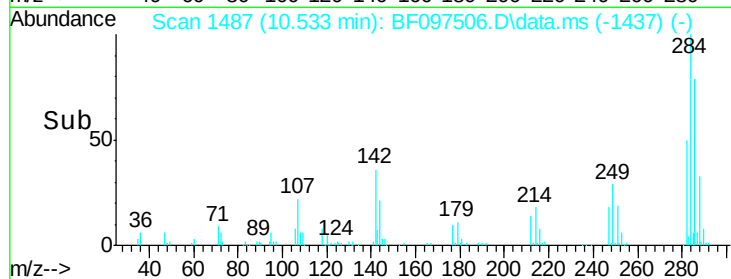
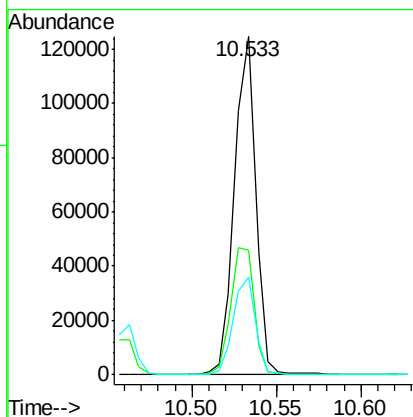
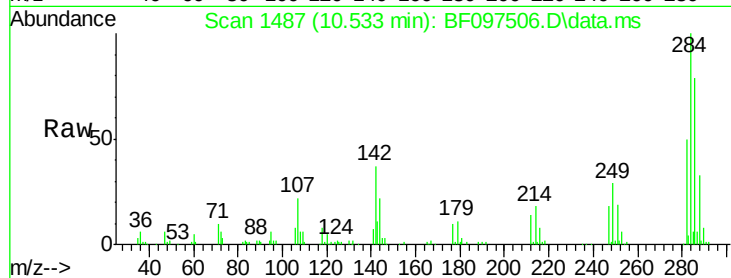




#67
Hexachlorobenzene
Concen: 46.01 ng
RT: 10.533 min Scan# 1475
Delta R.T. -0.006 min
Lab File: BF097506.D
Acq: 9 Aug 2017 9:27

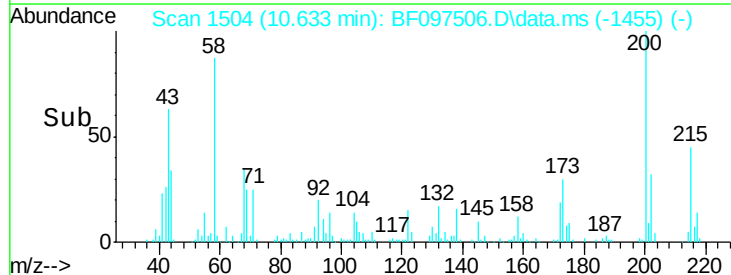
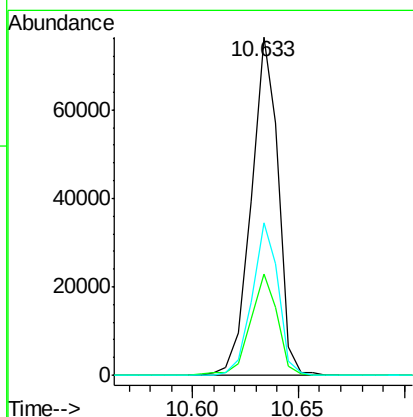
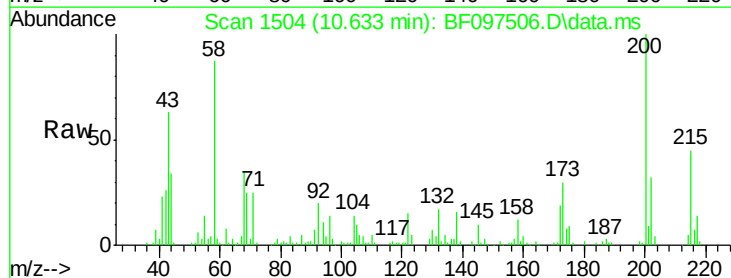
Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MS

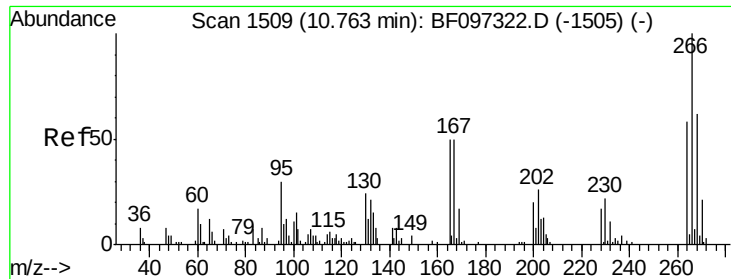
Tot Ion	Ratio	Lower	Upper
284	100		
142	36.7	22.8	34.2#
249	28.8	24.0	36.0



#68
Atrazine
Concen: 32.10 ng
RT: 10.633 min Scan# 1504
Delta R.T. -0.012 min
Lab File: BF097506.D
Acq: 9 Aug 2017 9:27

Tgt Ion	Ratio	Lower	Upper
200	100		
173	29.8	6.3	46.3
215	44.9	27.2	67.2

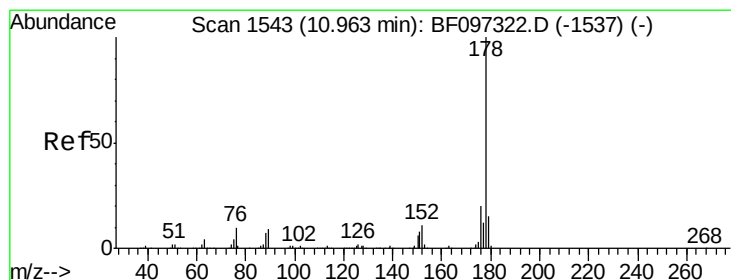
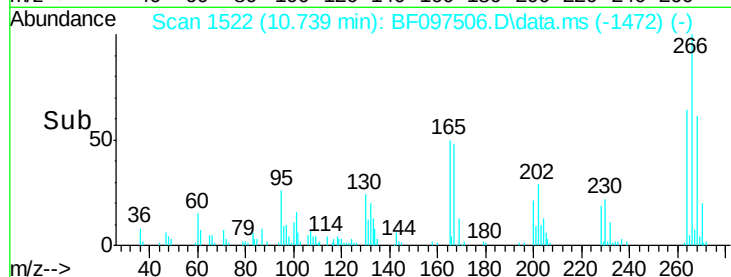
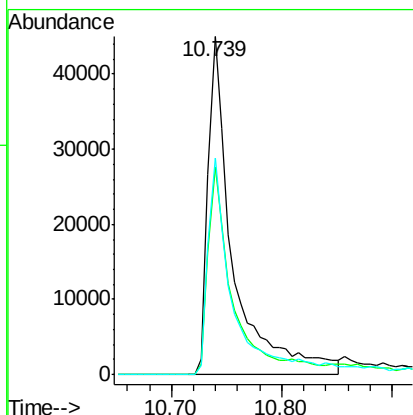
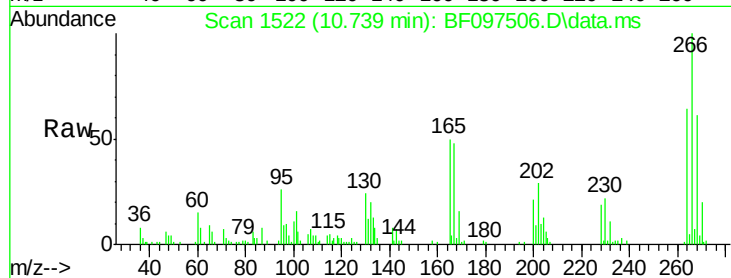




#69
 Pentachlorophenol
 Concen: 71.48 ng
 RT: 10.739 min Scan# 1511
 Delta R.T. -0.006 min
 Lab File: BF097506.D
 Acq: 9 Aug 2017 9:27

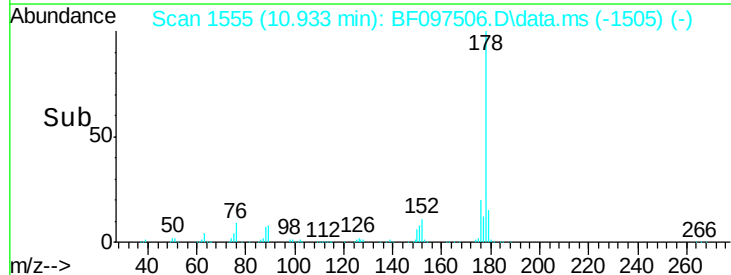
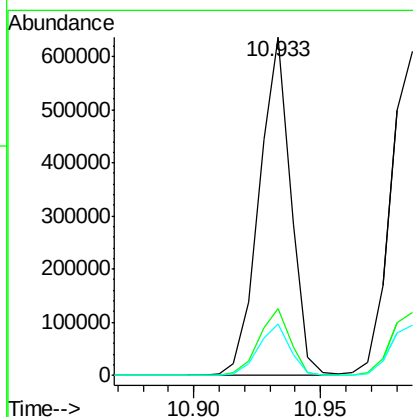
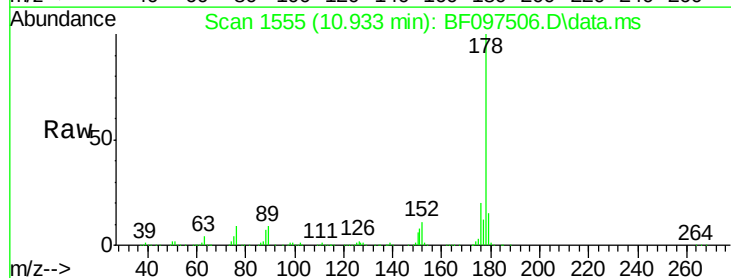
Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451MS

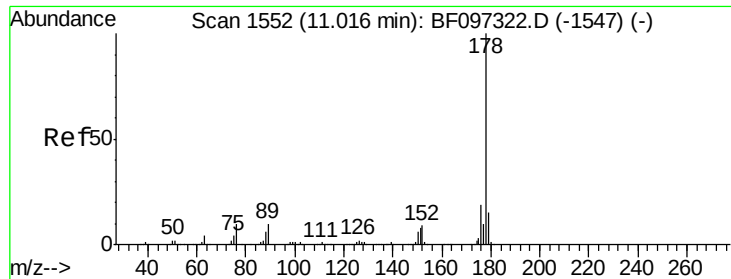
Tot Ion:266 Resp: 70049
 Ion Ratio Lower Upper
 266 100
 268 61.3 51.1 76.7
 264 64.2 51.7 77.5



#70
 Phenanthrene
 Concen: 48.82 ng
 RT: 10.933 min Scan# 1555
 Delta R.T. -0.006 min
 Lab File: BF097506.D
 Acq: 9 Aug 2017 9:27

Tgt Ion:178 Resp: 553572
 Ion Ratio Lower Upper
 178 100
 176 19.7 16.2 24.4
 179 15.1 12.6 19.0

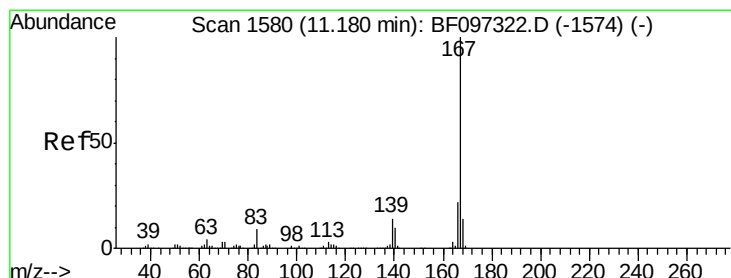
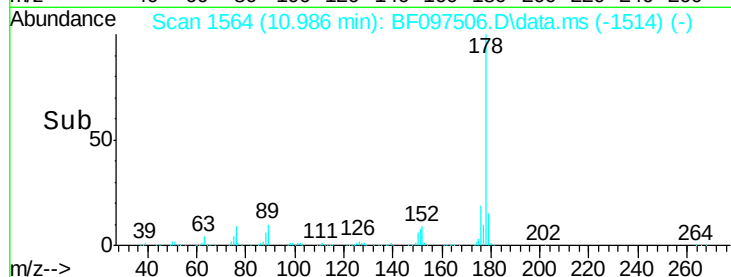
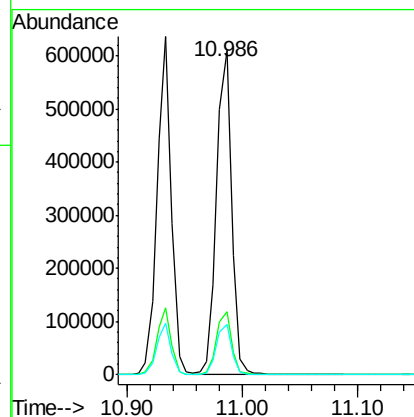
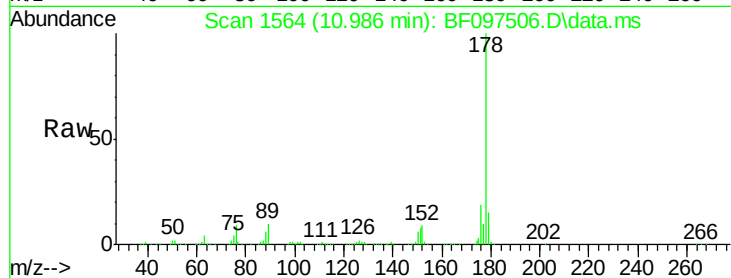




#71
 Anthracene
 Concen: 48.03 ng
 RT: 10.986 min Scan# 1552
 Delta R.T. -0.006 min
 Lab File: BF097506.D
 Acq: 9 Aug 2017 9:27

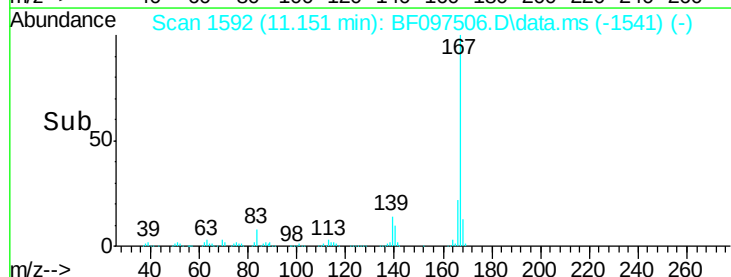
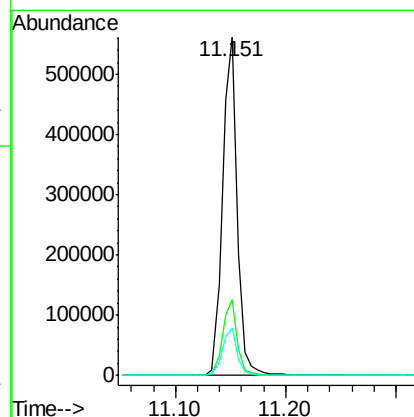
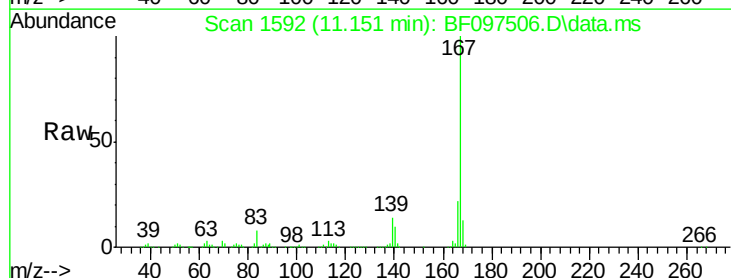
Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451MS

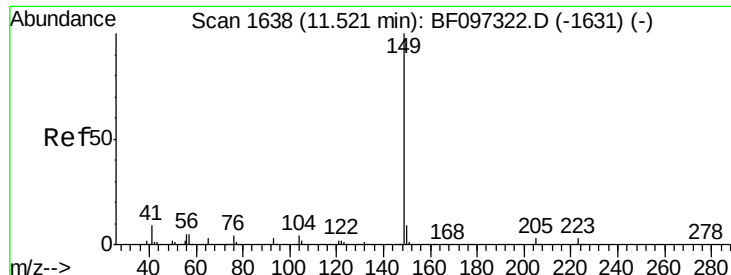
Tot Ion:178 Resp: 557873
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.8 23.8
 179 15.4 12.7 19.1



#72
 Carbazole
 Concen: 44.90 ng
 RT: 11.151 min Scan# 1592
 Delta R.T. 0.000 min
 Lab File: BF097506.D
 Acq: 9 Aug 2017 9:27

Tgt Ion:167 Resp: 512916
 Ion Ratio Lower Upper
 167 100
 166 22.2 18.1 27.1
 139 13.9 11.7 17.5





#73

Di-n-butylphthalate

Concen: 50.46 ng

RT: 11.486 min Scan# 16

Delta R.T. -0.006 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MS

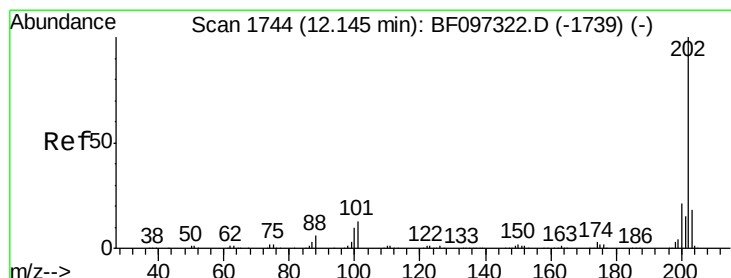
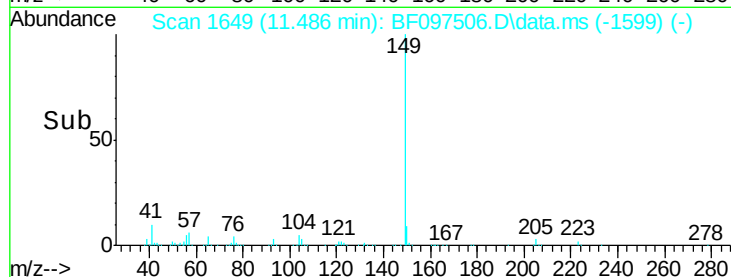
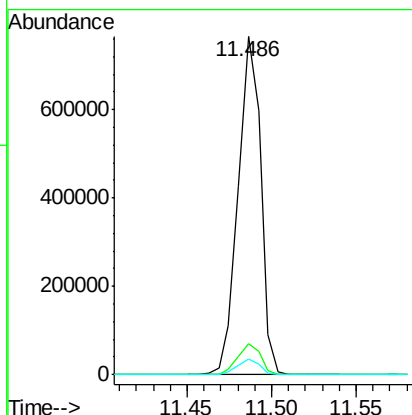
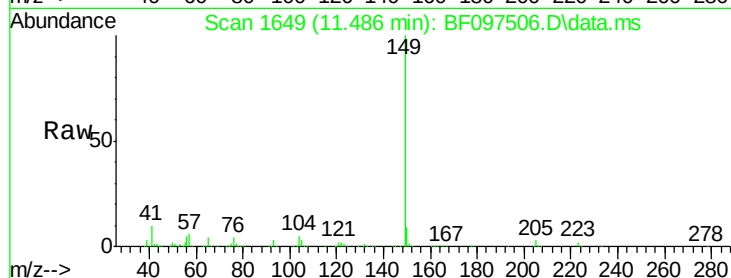
Tot Ion:149 Resp: 712479

Ion Ratio Lower Upper

149 100

150 9.1 7.7 11.5

104 4.6 4.0 6.0



#74

Fluoranthene

Concen: 50.17 ng

RT: 12.110 min Scan# 1755

Delta R.T. -0.006 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

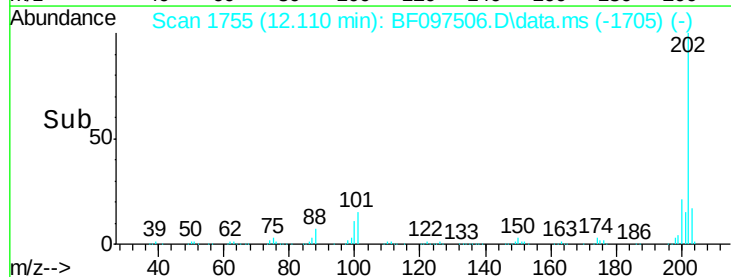
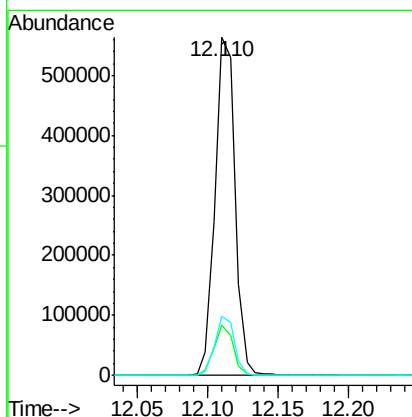
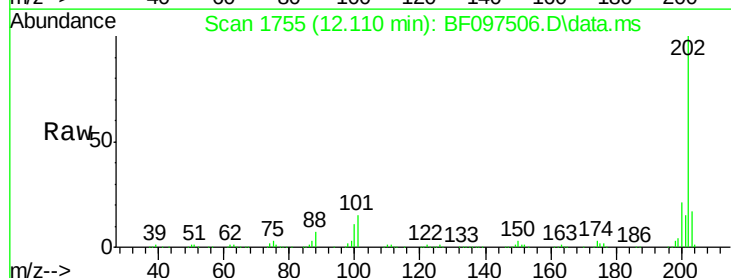
Tgt Ion:202 Resp: 557330

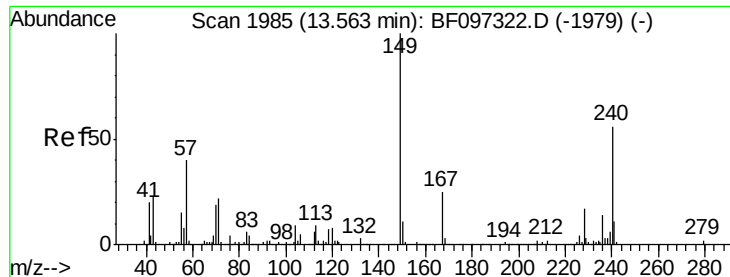
Ion Ratio Lower Upper

202 100

101 14.8 0.0 33.2

203 17.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.533 min Scan# 19

Delta R.T. -0.006 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MS

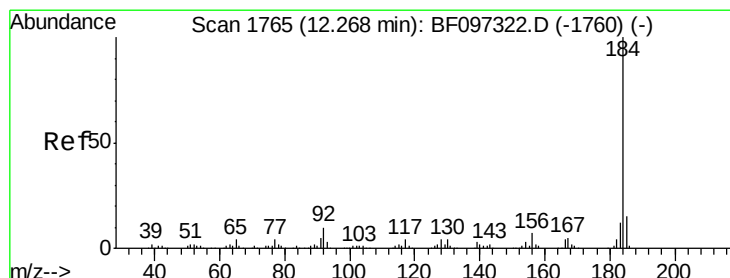
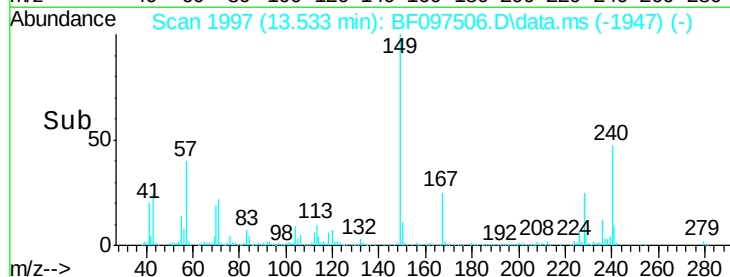
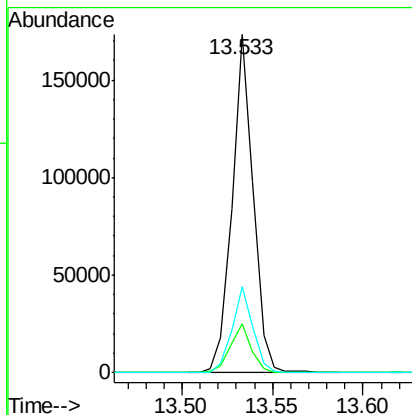
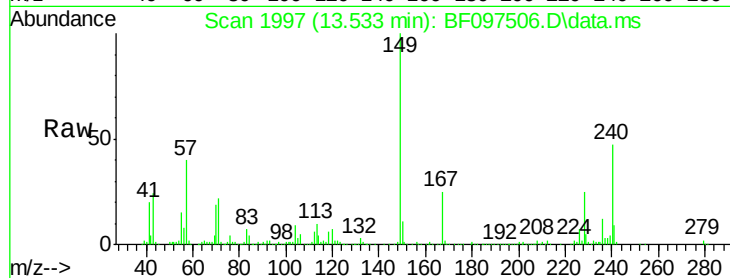
Tot Ion:240 Resp: 141045

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

236 25.6 20.5 30.7



#76

Benzidine

Concen: 10.99 ng

RT: 12.245 min Scan# 1778

Delta R.T. 0.000 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

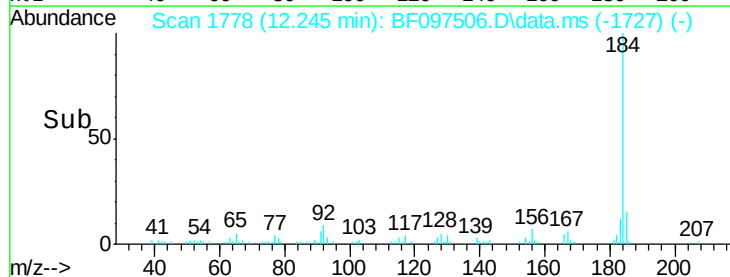
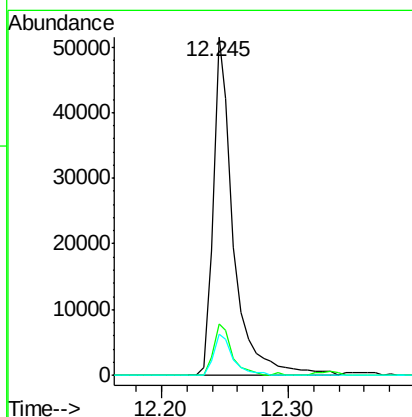
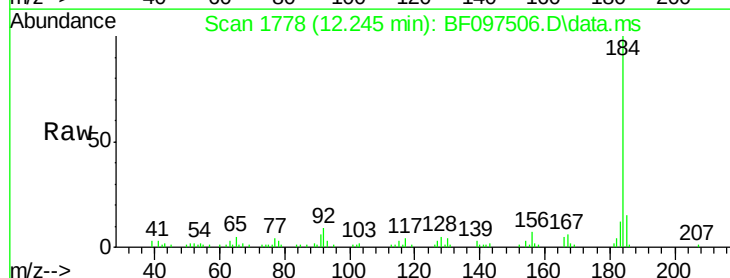
Tgt Ion:184 Resp: 57537

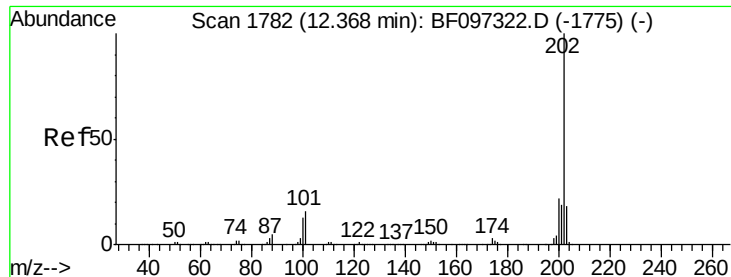
Ion Ratio Lower Upper

184 100

185 15.1 15.5 23.3#

183 12.0 9.8 14.6

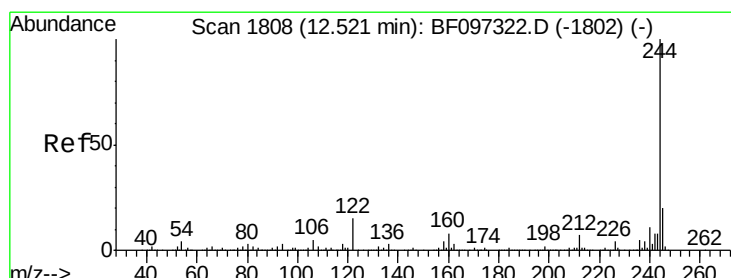
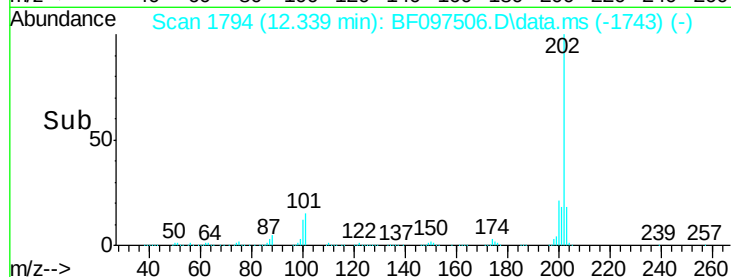
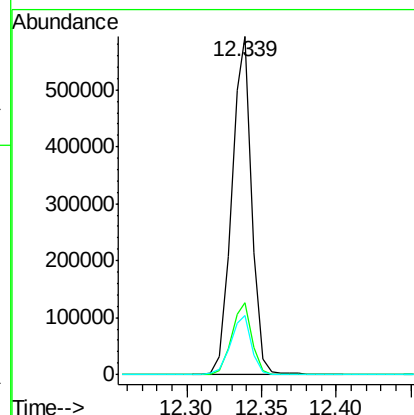
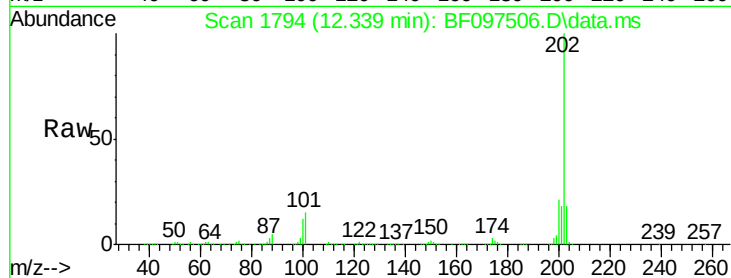




#77
Pvrene
Concen: 48.57 ng
RT: 12.339 min Scan# 17
Delta R.T. 0.000 min
Lab File: BF097506.D
Acq: 9 Aug 2017 9:27

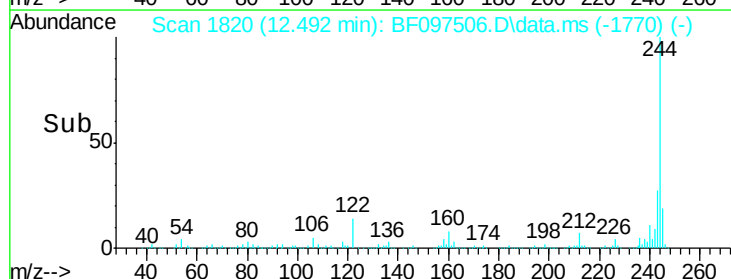
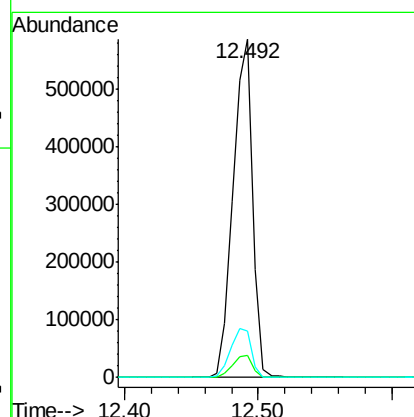
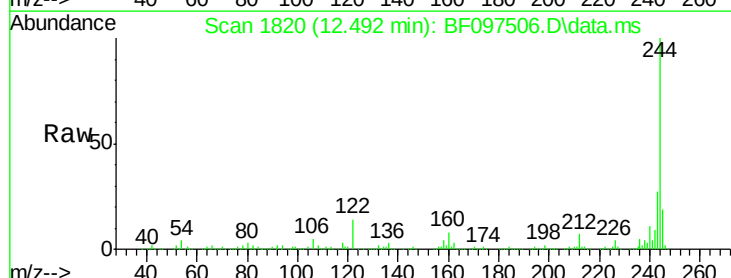
Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MS

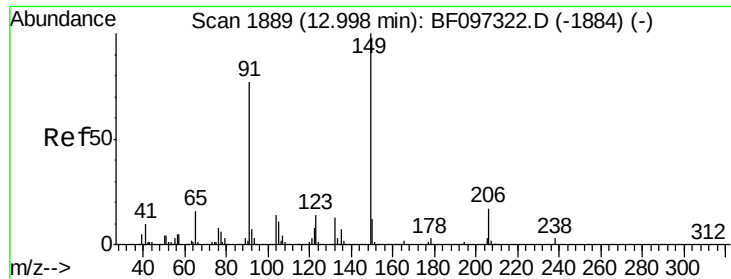
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.6	26.4
203	17.6	14.4	21.6



#78
Terphenyl-d14
Concen: 87.42 ng
RT: 12.492 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF097506.D
Acq: 9 Aug 2017 9:27

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	13.7	10.3	15.5





#79

Butylbenzylphthalate

Concen: 48.83 ng

RT: 12.969 min Scan# 1901

Delta R.T. -0.006 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MS

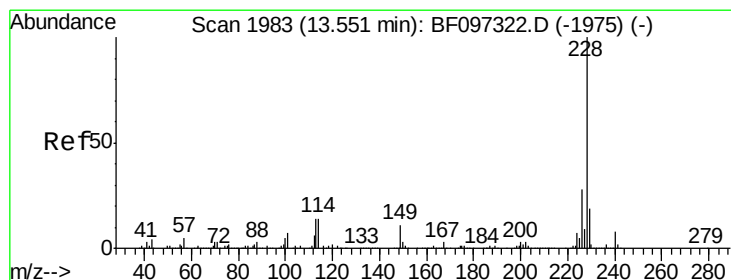
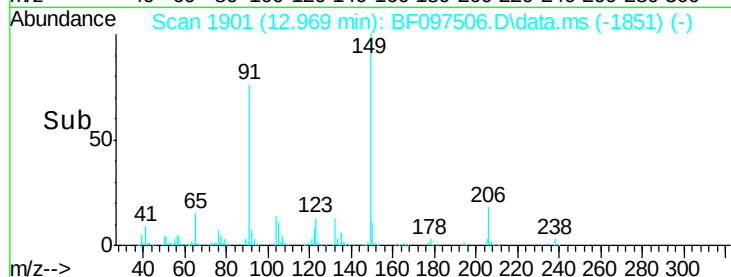
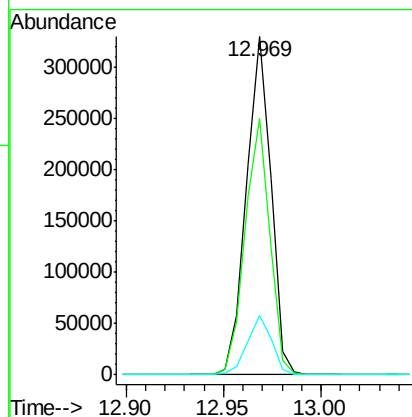
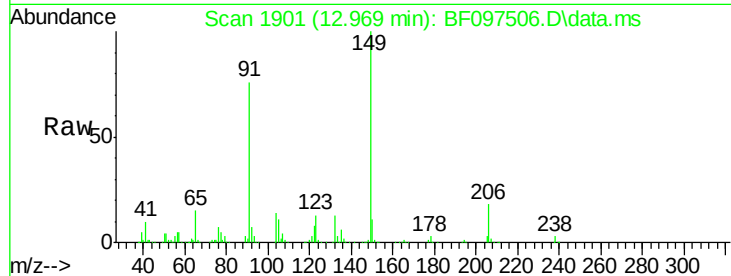
Tot Ion:149 Resp: 286820

Ion Ratio Lower Upper

149 100

91 75.7 45.0 67.4#

206 17.6 17.0 25.6



#80

Benzo(a)anthracene

Concen: 45.43 ng

RT: 13.521 min Scan# 1995

Delta R.T. -0.006 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

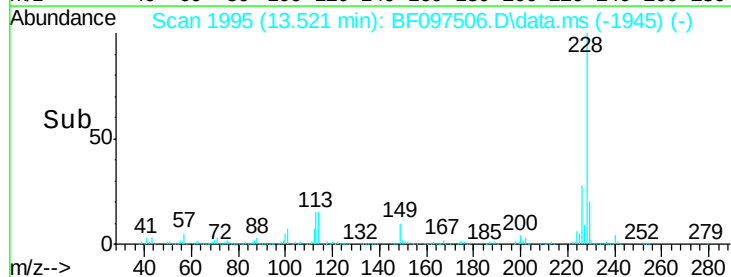
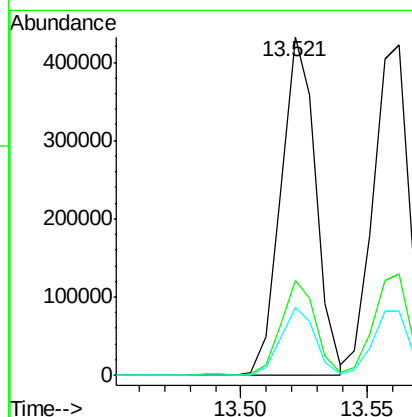
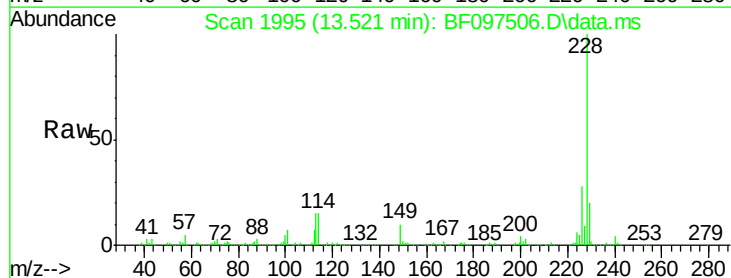
Tgt Ion:228 Resp: 414571

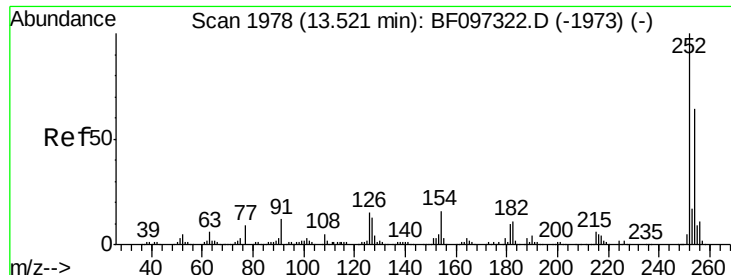
Ion Ratio Lower Upper

228 100

226 28.1 22.6 33.8

229 20.0 16.3 24.5

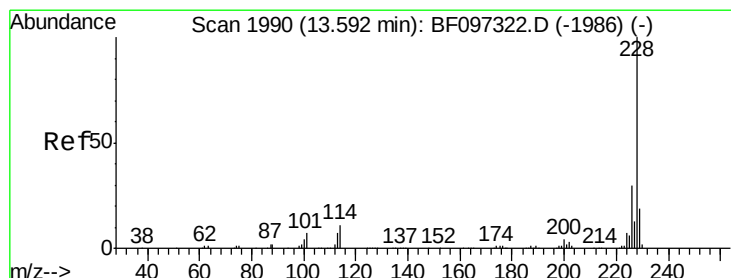
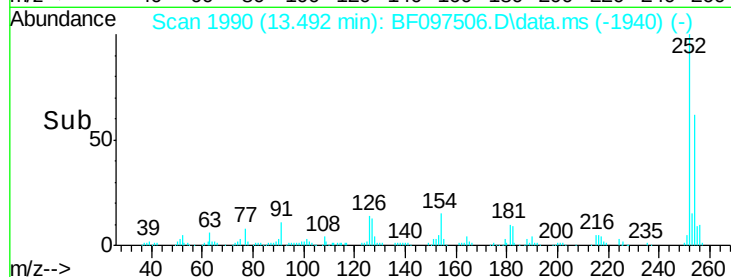
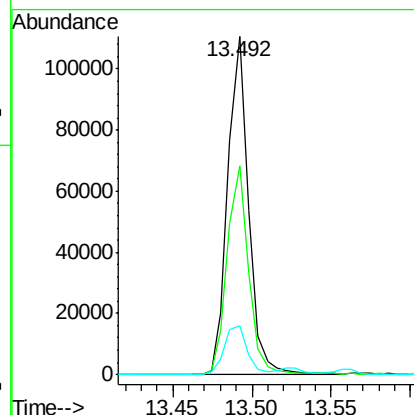
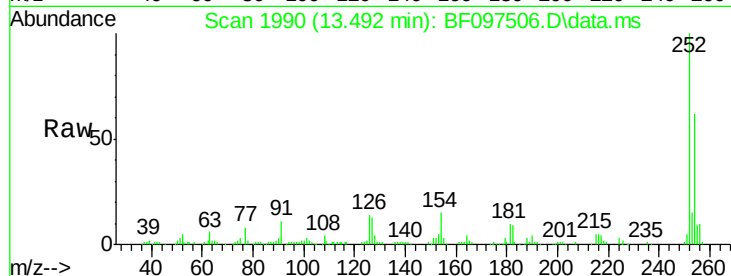




#81
 3,3'-Dichlorobenzidine
 Concen: 29.37 ng
 RT: 13.492 min Scan# 1978
 Delta R.T. -0.006 min
 Lab File: BF097506.D
 Acq: 9 Aug 2017 9:27

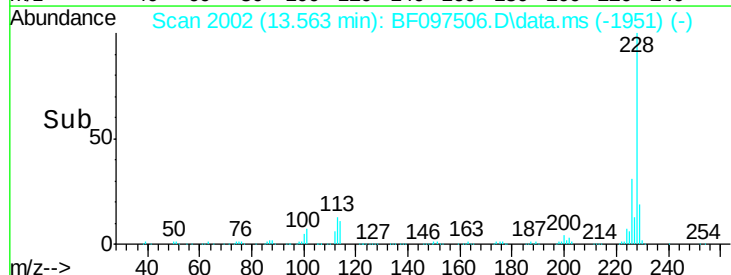
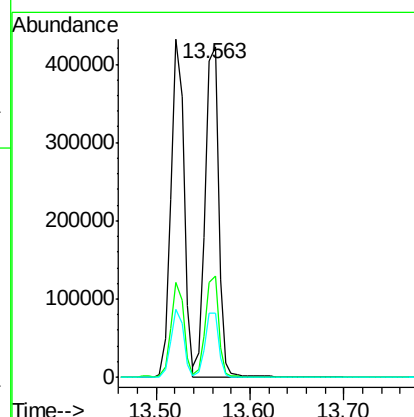
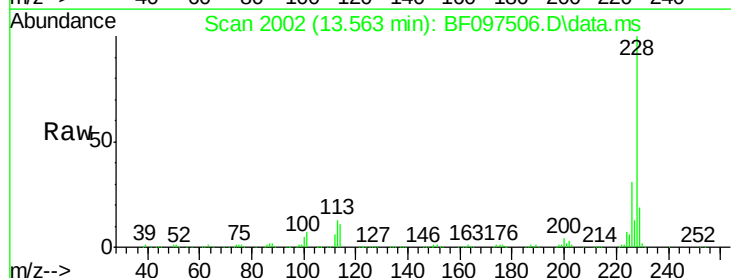
Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451MS

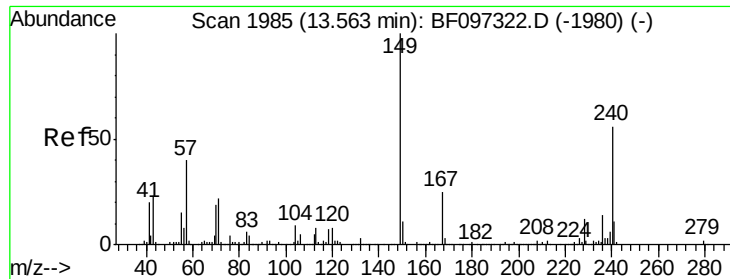
Tot Ion:252 Resp: 101085
 Ion Ratio Lower Upper
 252 100
 254 61.8 51.5 77.3
 126 14.3 15.8 23.8#



#82
 Chrysene
 Concen: 47.55 ng
 RT: 13.563 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: BF097506.D
 Acq: 9 Aug 2017 9:27

Tgt Ion:228 Resp: 423703
 Ion Ratio Lower Upper
 228 100
 226 30.8 24.9 37.3
 229 19.4 15.8 23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 45.74 ng

RT: 13.533 min Scan# 19

Delta R.T. -0.006 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MS

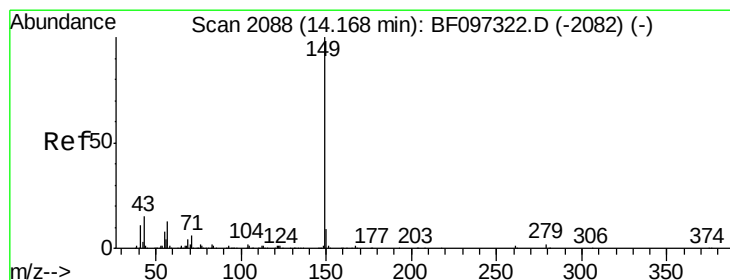
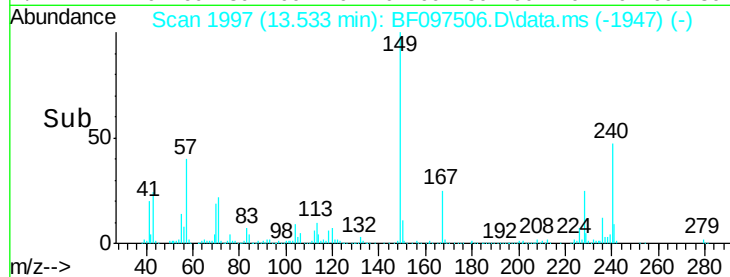
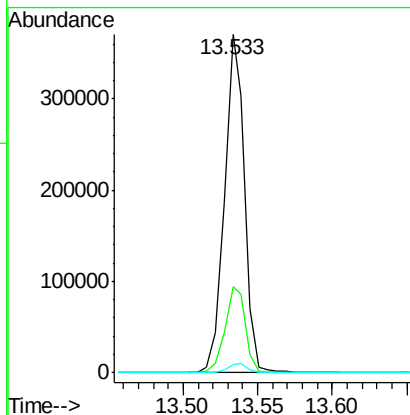
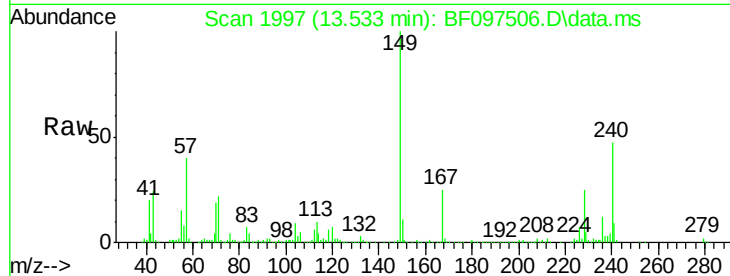
Tot Ion:149 Resp: 350771

Ion Ratio Lower Upper

149 100

167 25.4 21.0 31.4

279 2.3 1.9 2.9



#84

Di-n-octyl phthalate

Concen: 45.19 ng

RT: 14.139 min Scan# 2100

Delta R.T. -0.006 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

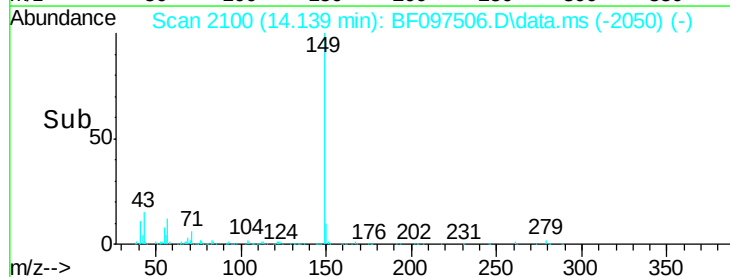
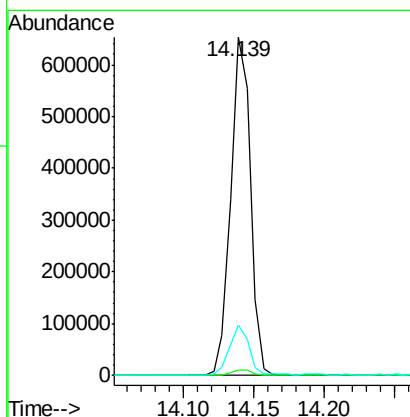
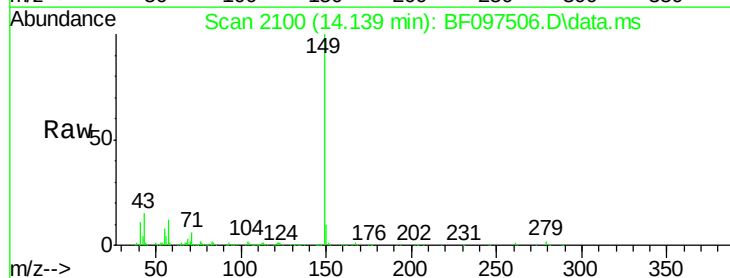
Tgt Ion:149 Resp: 635988

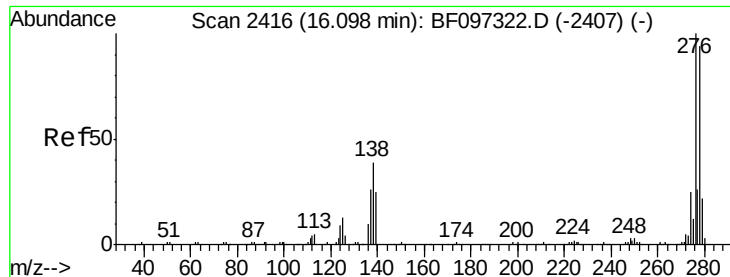
Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 14.4 8.5 12.7#

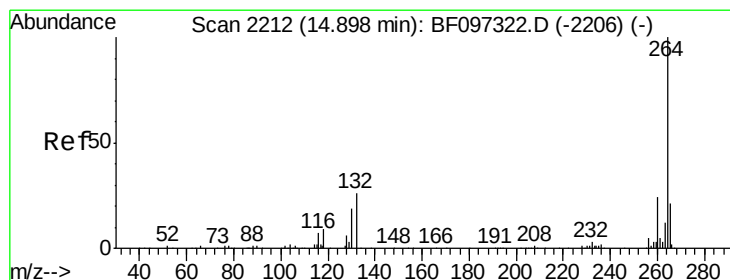
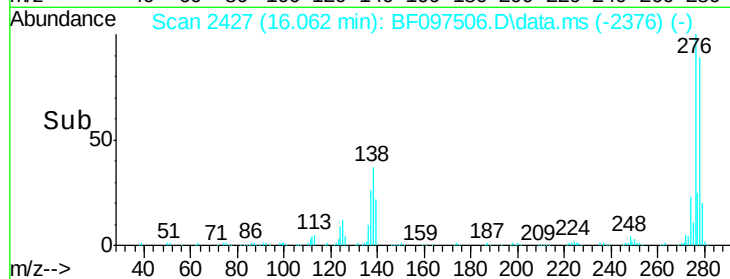
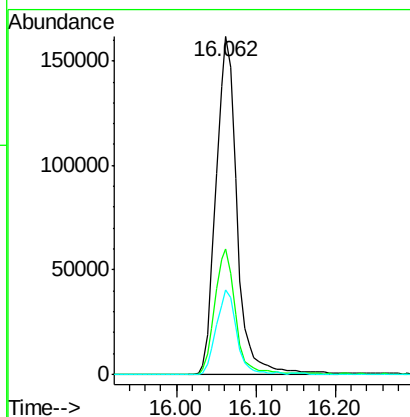
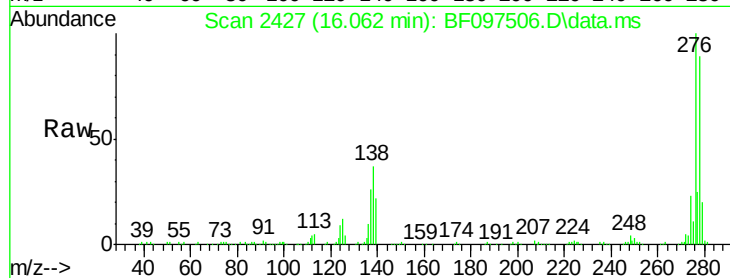




#85
Indeno(1,2,3-cd)pyrene
Concen: 38.88 ng
RT: 16.062 min Scan# 2416
Delta R.T. 0.000 min
Lab File: BF097506.D
Acq: 9 Aug 2017 9:27

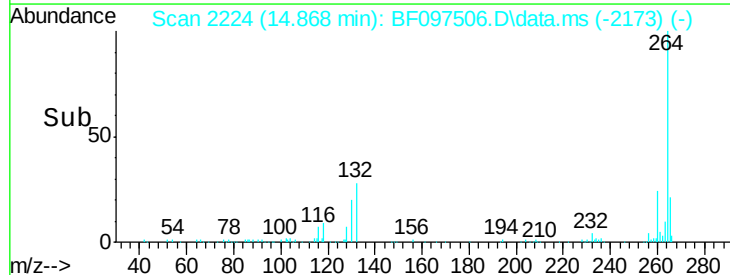
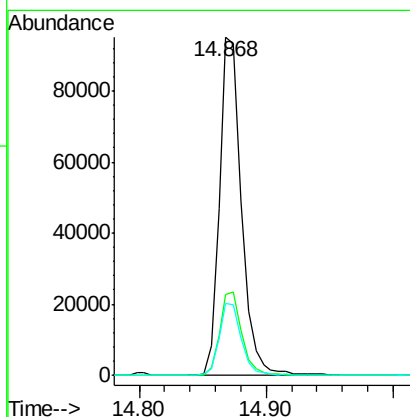
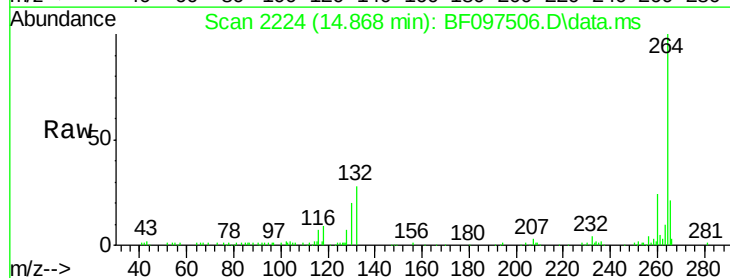
Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MS

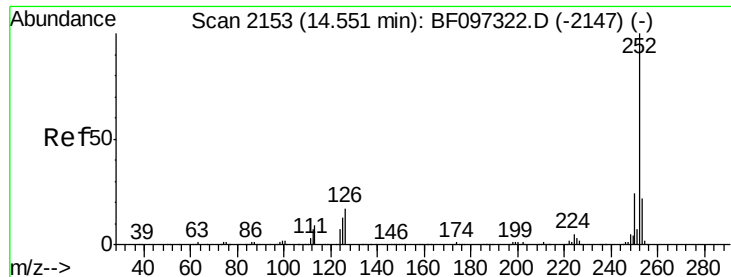
Tot Ion	Ratio	Lower	Upper
276	100		
138	36.6	27.8	41.6
277	24.4	20.2	30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 14.868 min Scan# 2224
Delta R.T. 0.000 min
Lab File: BF097506.D
Acq: 9 Aug 2017 9:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	21.3	17.2	25.8

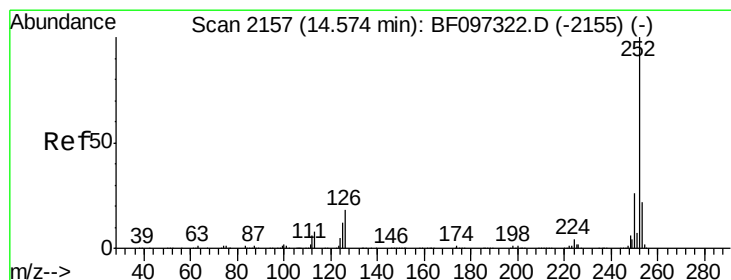
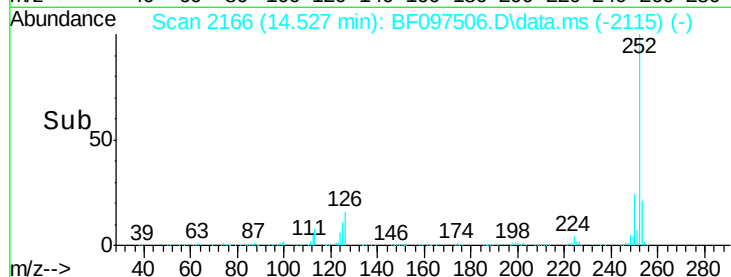
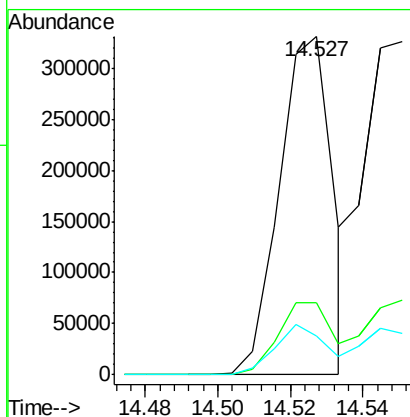
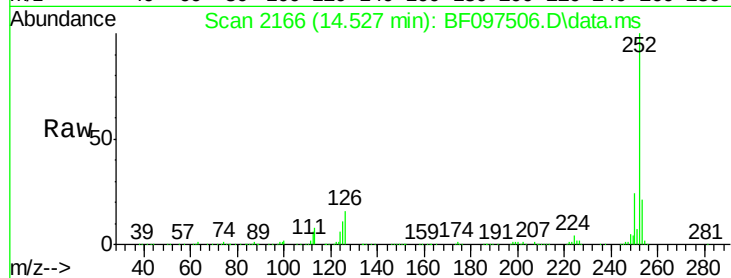




#87
Benzo(b)fluoranthene
Concen: 48.70 ng
RT: 14.527 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF097506.D
Acq: 9 Aug 2017 9:27

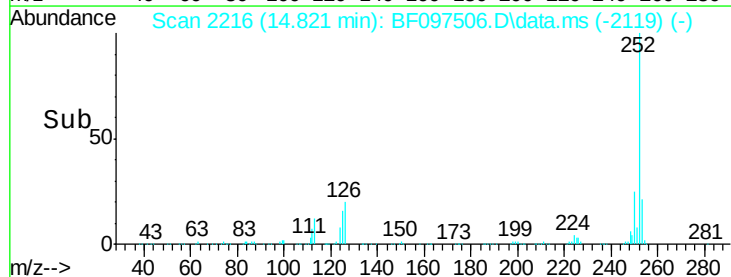
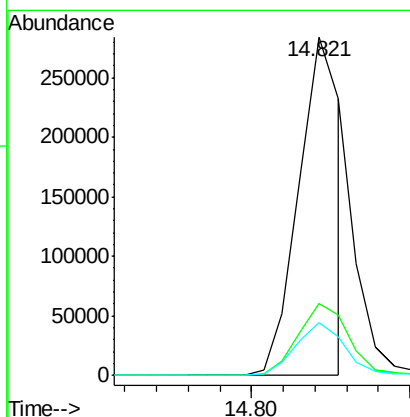
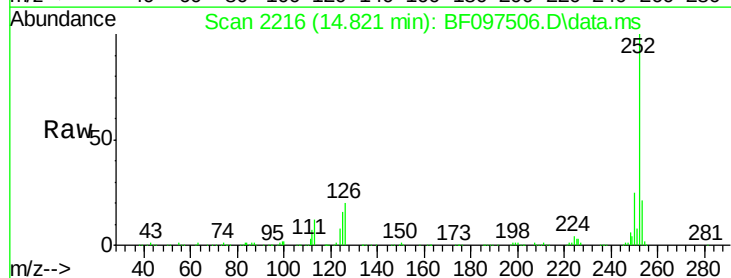
Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MS

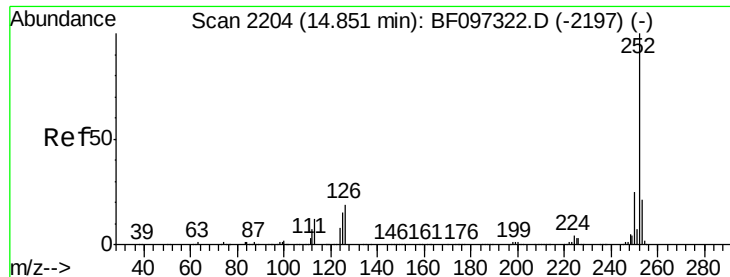
Tot Ion:252 Resp: 338143
Ion Ratio Lower Upper
252 100
253 21.1 18.1 27.1
125 11.4 9.8 14.8



#88
Benzo(k)fluoranthene
Concen: 39.82 ng
RT: 14.821 min Scan# 2216
Delta R.T. 0.271 min
Lab File: BF097506.D
Acq: 9 Aug 2017 9:27

Tgt Ion:252 Resp: 263503
Ion Ratio Lower Upper
252 100
253 21.4 18.4 27.6
125 15.6 13.1 19.7





#89

Benzo(a)pyrene

Concen: 49.73 ng

RT: 14.821 min Scan# 22

Delta R.T. 0.000 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MS

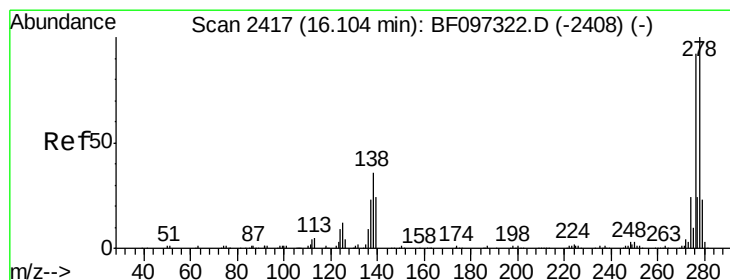
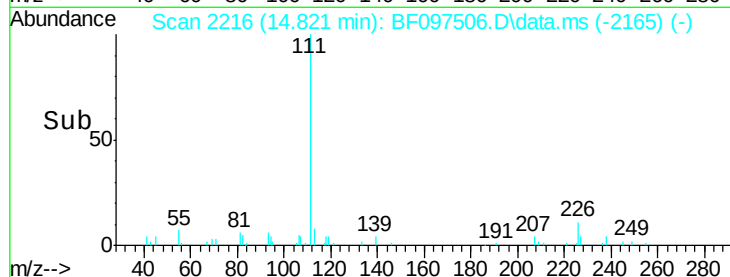
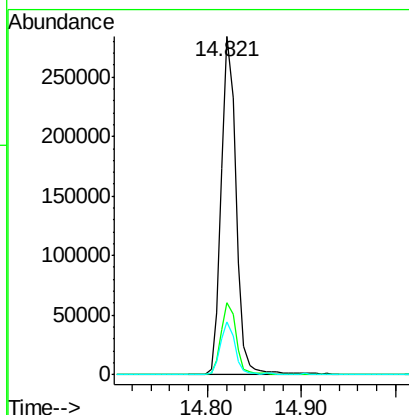
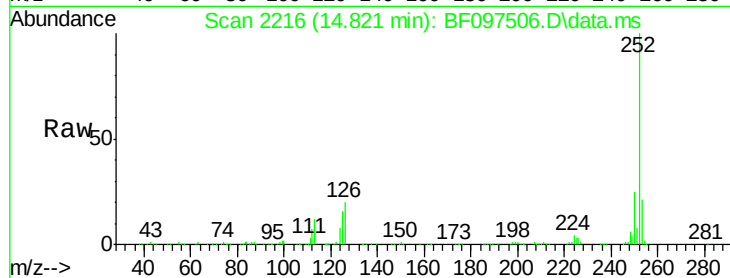
Tot Ion:252 Resp: 316013

Ion Ratio Lower Upper

252 100

253 21.4 17.5 26.3

125 15.6 11.0 16.4



#90

Dibenzo(a,h)anthracene

Concen: 47.89 ng

RT: 16.062 min Scan# 2427

Delta R.T. 0.000 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

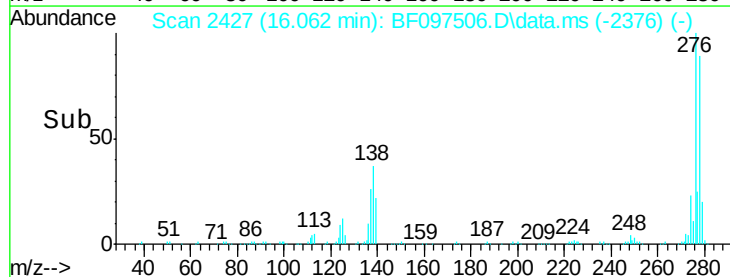
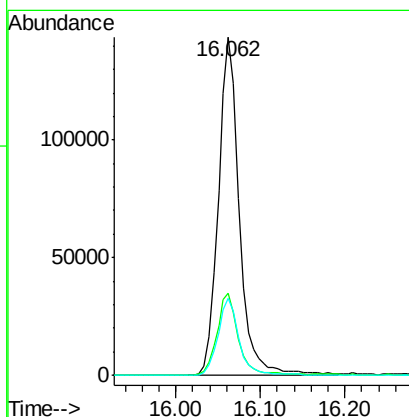
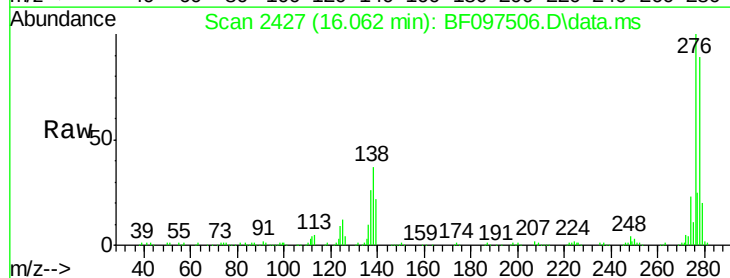
Tgt Ion:278 Resp: 249576

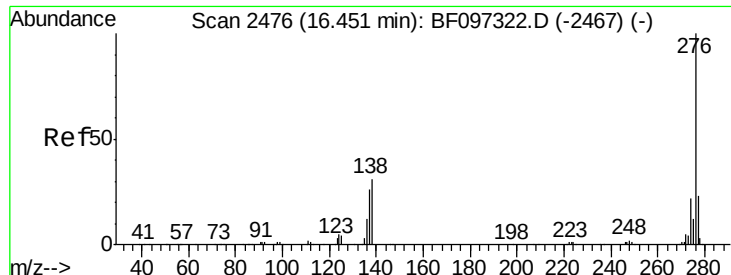
Ion Ratio Lower Upper

278 100

139 24.2 16.6 24.8

279 22.8 19.3 28.9





#91

Benzo(a,h,i)perylene

Concen: 44.82 ng

RT: 16.409 min Scan# 24

Delta R.T. 0.000 min

Lab File: BF097506.D

Acq: 9 Aug 2017 9:27

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MS

Tot Ion:276 Resp: 244956

Ion Ratio Lower Upper

276 100

277 23.6 18.6 28.0

138 31.3 25.4 38.0

