

Data Path : Z:\HPCHEM1\BNA F\Data\BF080817\
 Data File : BF097507.D
 Acq On : 9 Aug 2017 9:55
 Operator : SJ/JU
 Sample : I4592-02MSD
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451MSD

Quant Time: Aug 09 10:59:53 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	94583	20.00	ng	0.00
21) Naphthalene-d8	7.692	136	375544	20.00	ng	0.00
38) Acenaphthene-d10	9.433	164	130386	20.00	ng	0.00
63) Phenanthrene-d10	10.910	188	209366	20.00	ng	0.00
75) Chrysene-d12	13.533	240	125457	20.00	ng	0.00
86) Perylene-d12	14.874	264	107613	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.028	112	878992	140.10	ng	0.02
7) Phenol-d6	6.092	99	953567	133.13	ng	0.00
23) Nitrobenzene-d5	6.986	82	597837	93.39	ng	0.00
41) 2,4,6-Tribromophenol	10.227	330	151288	146.86	ng	0.00
44) 2-Fluorobiphenyl	8.769	172	860371	111.99	ng	0.00
78) Terphenyl-d14	12.492	244	601513	97.75	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.093	88	122301	46.71	ng	# 65
3) Pyridine	2.651	79	281217	35.08	ng	# 66
4) n-Nitrosodimethylamine	2.593	42	217157	48.89	ng	# 80
6) Aniline	6.081	93	146854	16.29	ng	# 80
8) 2-Chlorophenol	6.204	128	299245	44.60	ng	# 92
9) Benzaldehyde	5.963	77	108273	25.54	ng	# 98
10) Phenol	6.104	94	341951	40.25	ng	# 98
11) bis(2-Chloroethyl)ether	6.157	93	319592	47.56	ng	# 88
12) 1,3-Dichlorobenzene	6.345	146	311152	43.04	ng	# 97
13) 1,4-Dichlorobenzene	6.428	146	316155	44.12	ng	# 97
14) 1,2-Dichlorobenzene	6.581	146	272305	43.53	ng	# 96
15) Benzyl Alcohol	6.581	79	248688	54.84	ng	# 99
16) 2,2'-oxybis(1-Chloropr...	6.698	45	621729	46.13	ng	# 98
17) 2-Methylphenol	6.710	107	235970	45.57	ng	# 90
18) Hexachloroethane	6.910	117	94979	36.23	ng	# 78
19) n-Nitroso-di-n-propyla...	6.851	70	206062	43.71	ng	# 83
20) 3+4-Methylphenols	6.869	107	309648	45.79	ng	# 62
22) Acetophenone	6.833	105	393880	43.67	ng	# 97
24) Nitrobenzene	7.004	77	304469	45.67	ng	# 93
25) Isophorone	7.245	82	513697	40.98	ng	# 96
26) 2-Nitrophenol	7.322	139	142925	39.62	ng	# 88
27) 2,4-Dimethylphenol	7.380	122	245581	41.27	ng	# 97
28) bis(2-Chloroethoxy)met...	7.463	93	352298	43.06	ng	# 99
29) 2,4-Dichlorophenol	7.580	162	229407	44.75	ng	# 97
30) 1,2,4-Trichlorobenzene	7.639	180	205382	42.04	ng	# 97
31) Naphthalene	7.710	128	814511	46.01	ng	# 100
32) Benzoic acid	7.569	122	121984	27.45	ng	# 92
33) 4-Chloroaniline	7.780	127	100742	13.99	ng	# 95
34) Hexachlorobutadiene	7.833	225	110447	42.64	ng	# 97
35) Caprolactam	8.169	113	61981	37.71	ng	# 67
36) 4-Chloro-3-methylphenol	8.292	107	245631	43.92	ng	# 89
37) 2-Methylnaphthalene	8.404	142	535520	47.78	ng	# 99
39) 1,2,4,5-Tetrachloroben...	8.575	216	186780	53.69	ng	# 99
40) Hexachlorocyclopentadiene	8.557	237	5210	10.52	ng	# 89

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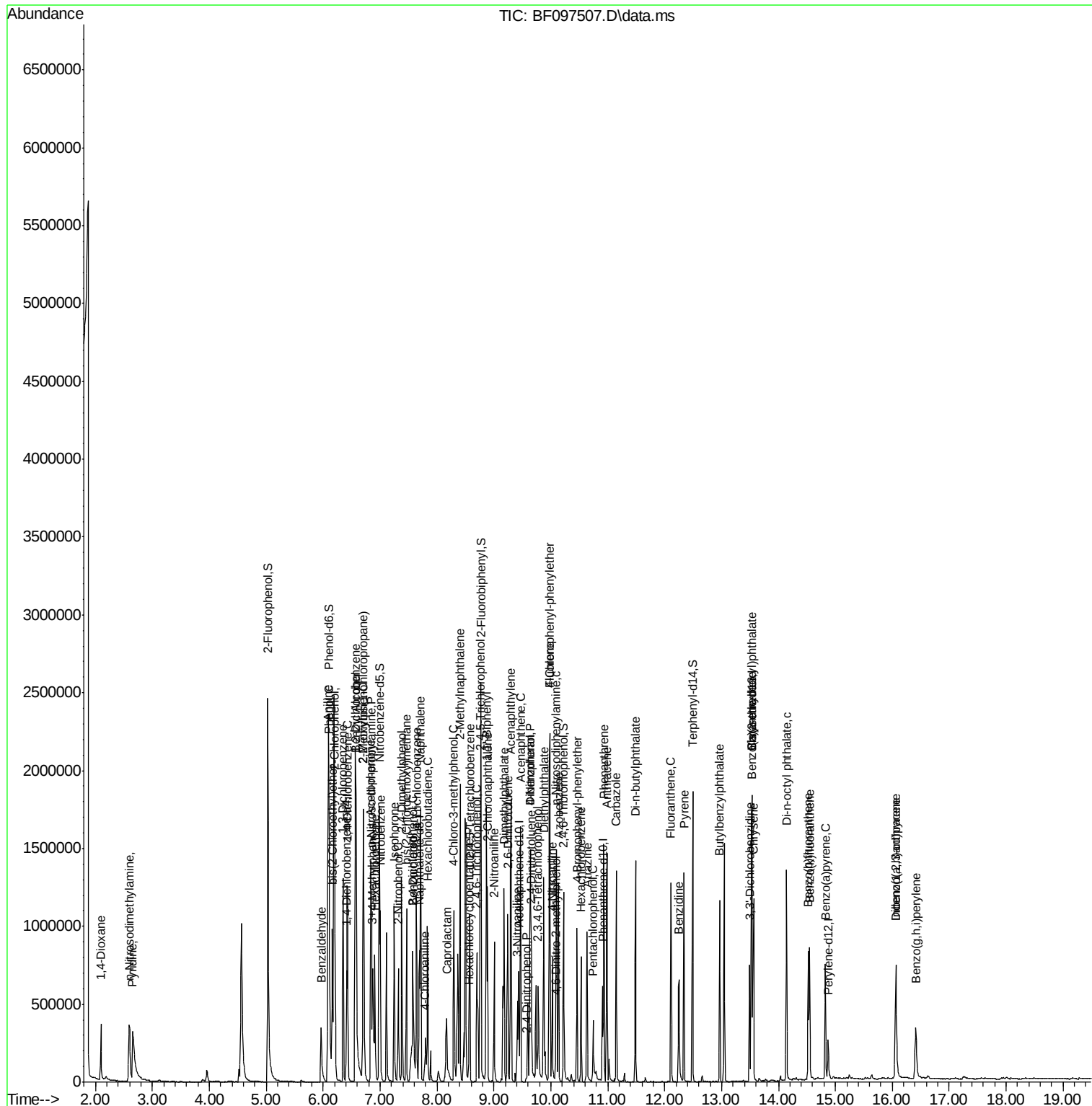
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43) 2,4,5-Trichlorophenol	8.757	196	112468	44.57	nq	97
45) 1,1'-Biphenyl	8.869	154	544543	48.90	nq	99
46) 2-Chloronaphthalene	8.892	162	405782	49.51	nq	94
47) 2-Nitroaniline	9.004	65	156906	52.76	nq	93
48) Acenaphthylene	9.298	152	647185	51.45	nq	99
49) Dimethylphthalate	9.180	163	545355	55.08	nq	99
50) 2,6-Dinitrotoluene	9.245	165	103066	49.08	nq	# 74
51) Acenaphthene	9.469	154	352391	47.56	nq	98
52) 3-Nitroaniline	9.416	138	88935	34.12	nq	88
53) 2,4-Dinitrophenol	9.569	184	8268	8.66	nq	# 76
54) Dibenzofuran	9.639	168	524113	53.10	nq	92
55) 4-Nitrophenol	9.639	139	314916	203.16	nq	# 37
56) 2,4-Dinitrotoluene	9.657	165	125415	51.95	nq	# 79
57) Fluorene	9.980	166	399606	53.87	nq	100
58) 2,3,4,6-Tetrachlorophenol	9.780	232	96581	55.43	nq	98
59) Diethylphthalate	9.874	149	511279	56.28	nq	99
60) 4-Chlorophenyl-phenyle...	9.974	204	172423	56.29	nq	99
61) 4-Nitroaniline	10.027	138	127590	51.51	nq	92
62) Azobenzene	10.139	77	485512	57.61	nq	92
64) 4,6-Dinitro-2-methylph...	10.080	198	8422	6.47	nq	# 62
65) n-Nitrosodiphenylamine	10.104	169	390159	53.56	nq	97
66) 4-Bromophenyl-phenylether	10.463	248	109086	52.21	nq	97
67) Hexachlorobenzene	10.533	284	109211	46.61	nq	# 92
68) Atrazine	10.639	200	101696	48.68	nq	96
69) Pentachlorophenol	10.739	266	71256	73.50	nq	97
70) Phenanthrene	10.933	178	558468	49.78	nq	98
71) Anthracene	10.986	178	570631	49.67	nq	100
72) Carbazole	11.151	167	555511	49.16	nq	100
73) Di-n-butylphthalate	11.486	149	687810	49.24	nq	99
74) Fluoranthene	12.115	202	550574	50.10	nq	98
76) Benzidine	12.251	184	287710	61.81	nq	# 91
77) Pyrene	12.339	202	553936	53.93	nq	99
79) Butylbenzylphthalate	12.968	149	262018	50.15	nq	# 79
80) Benzo(a)anthracene	13.521	228	381283	46.97	nq	100
81) 3,3'-Dichlorobenzidine	13.492	252	149288	48.77	nq	# 96
82) Chrysene	13.562	228	416758	52.58	nq	99
83) Bis(2-ethylhexyl)phtha...	13.533	149	330748	48.49	nq	99
84) Di-n-octyl phthalate	14.139	149	626295	50.03	nq	# 91
85) Indeno(1,2,3-cd)pyrene	16.062	276	287601	42.31	nq	97
87) Benzo(b)fluoranthene	14.527	252	317403	49.07	nq	99
88) Benzo(k)fluoranthene	14.545	252	329907	53.52	nq	97
89) Benzo(a)pyrene	14.821	252	305817	51.65	nq	97
90) Dibenzo(a,h)anthracene	16.062	278	244666	50.39	nq	# 94
91) Benzo(g,h,i)perylene	16.415	276	243802	47.89	nq	99

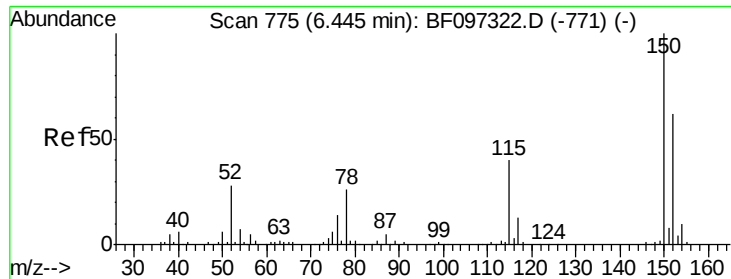
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.410 min Scan# 78

Delta R.T. -0.000 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

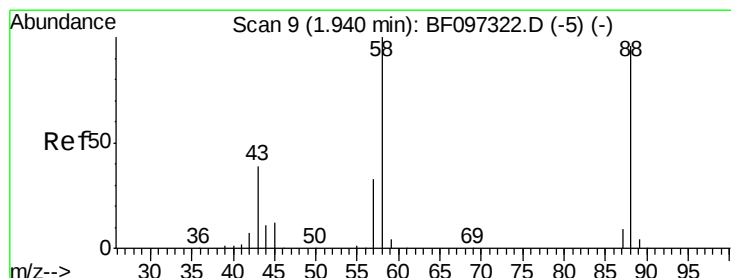
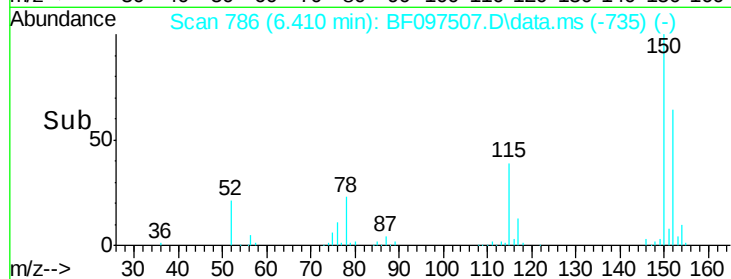
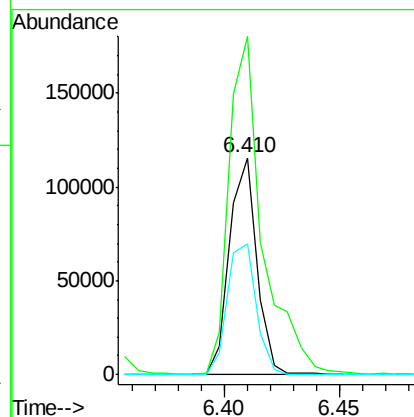
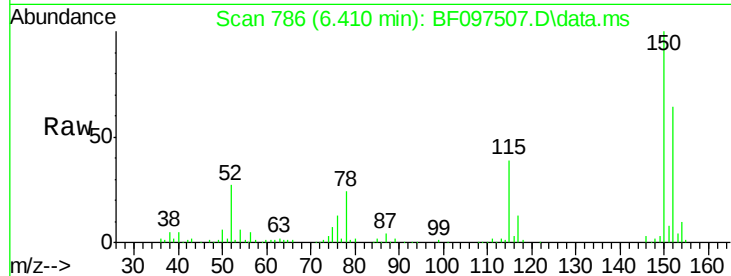
Tot Ion:152 Resp: 94583

Ion Ratio Lower Upper

152 100

150 155.9 126.2 189.2

115 60.5 52.2 78.2



#2

1,4-Dioxane

Concen: 46.71 ng

RT: 2.093 min Scan# 52

Delta R.T. 0.194 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

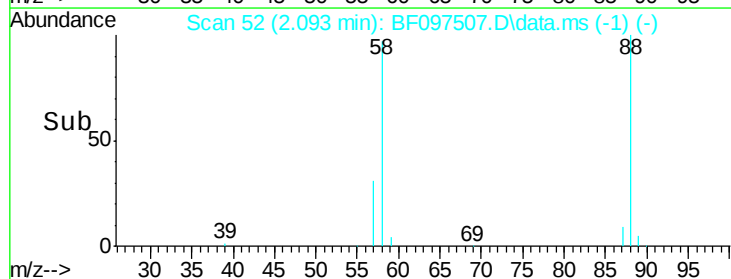
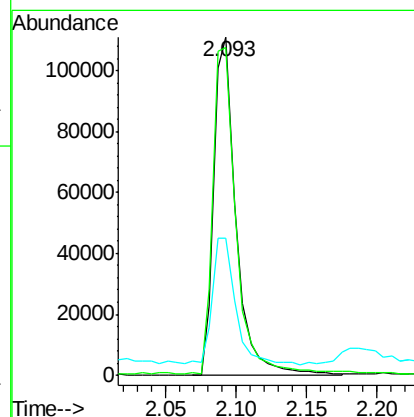
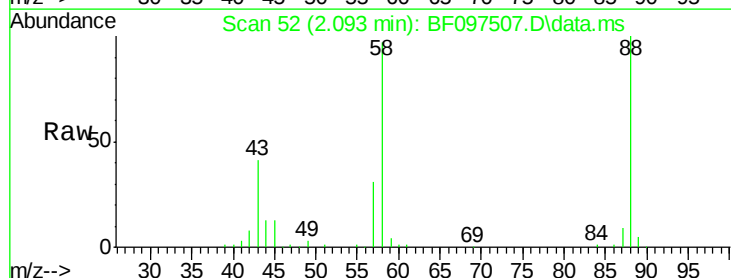
Tgt Ion: 88 Resp: 122301

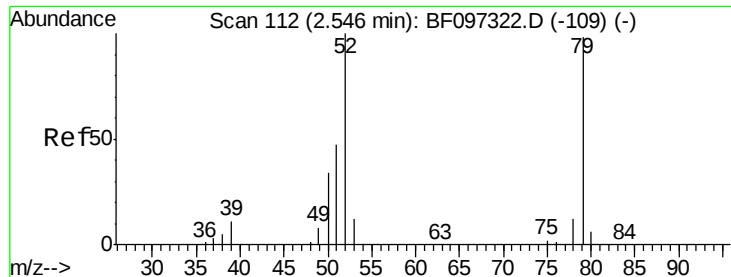
Ion Ratio Lower Upper

88 100

58 100.4 61.4 92.0#

43 0.0 23.4 35.0#





#3

Pvridine

Concen: 35.08 ng

RT: 2.651 min Scan# 14

Delta R.T. 0.159 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

ClientSampleId :

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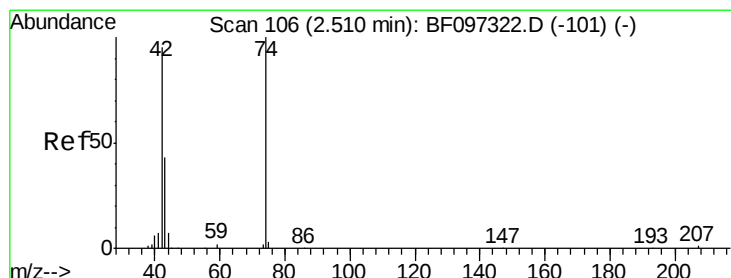
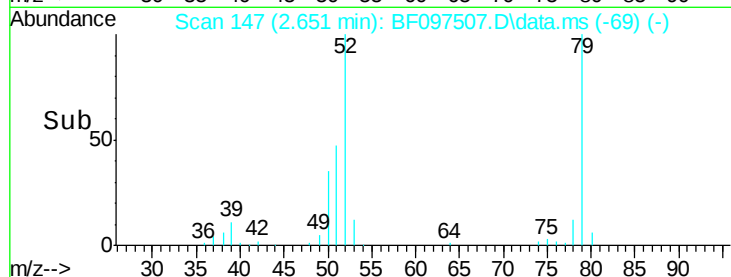
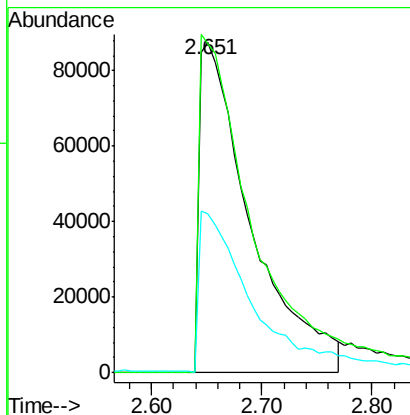
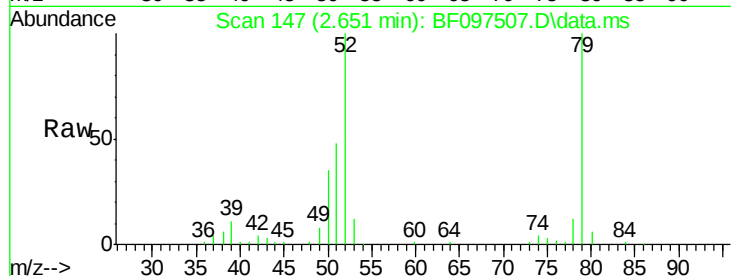
Tot Ion: 79 Resp: 281217

Ion Ratio Lower Upper

79 100

52 99.6 54.8 82.2#

51 48.1 27.0 40.4#



#4

n-Nitrosodimethylamine

Concen: 48.89 ng

RT: 2.593 min Scan# 137

Delta R.T. 0.129 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

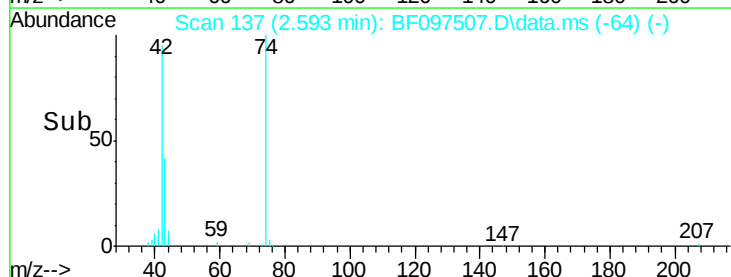
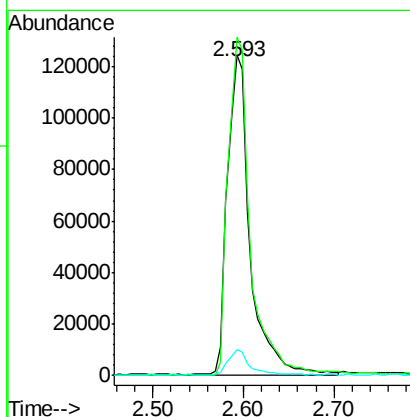
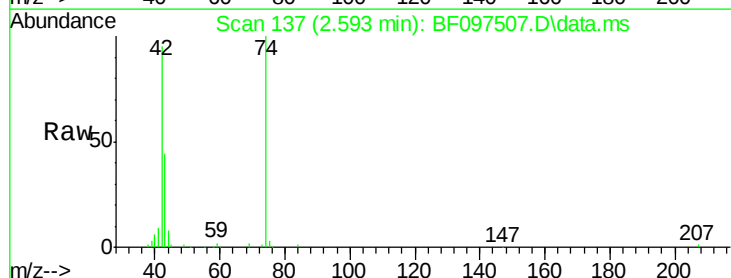
Tgt Ion: 42 Resp: 217157

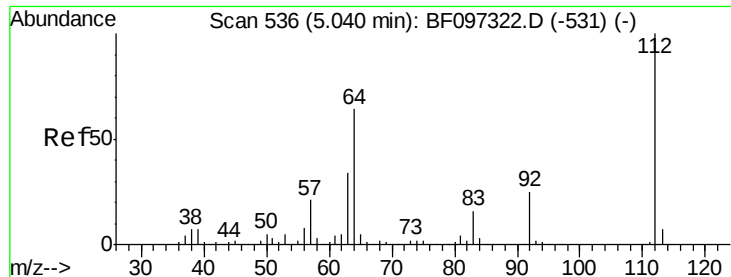
Ion Ratio Lower Upper

42 100

74 105.7 103.9 155.9

44 8.0 5.7 8.5





#5

2-Fluorophenol

Concen: 140.10 ng

RT: 5.028 min Scan# 55

Delta R.T. 0.024 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

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BNA_F

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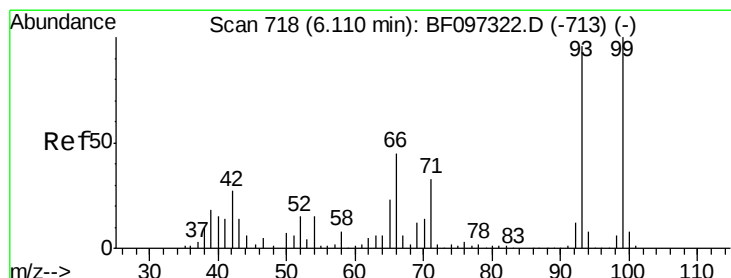
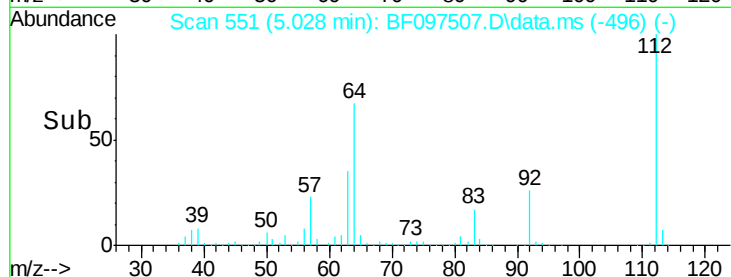
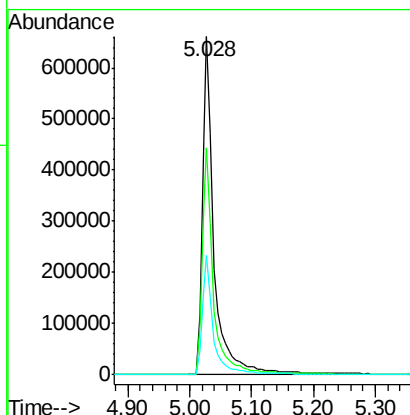
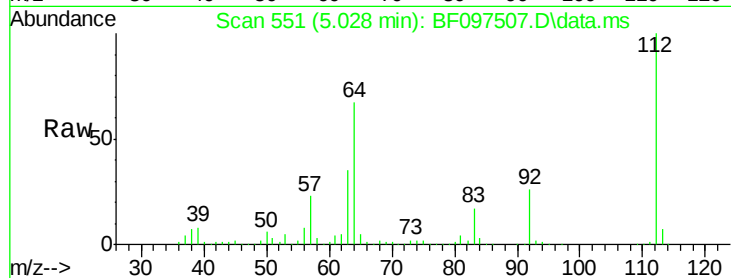
Tot Ion:112 Resp: 878992

Ion Ratio Lower Upper

112 100

64 67.2 46.0 69.0

63 35.1 23.4 35.0#



#6

Aniline

Concen: 16.29 ng

RT: 6.081 min Scan# 730

Delta R.T. 0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

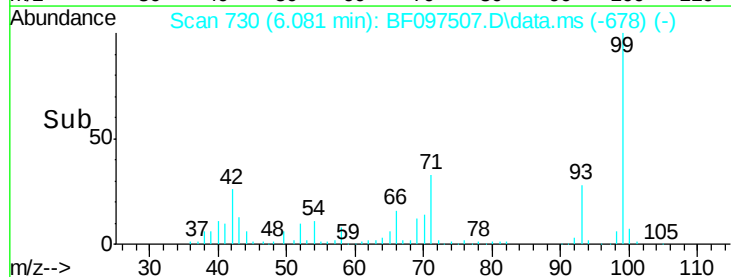
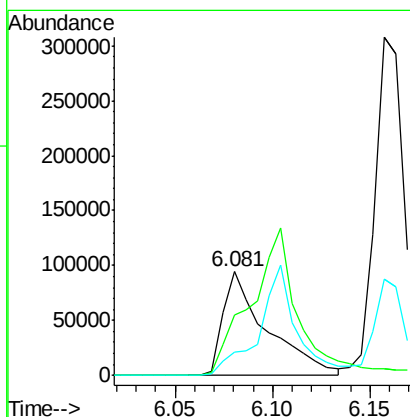
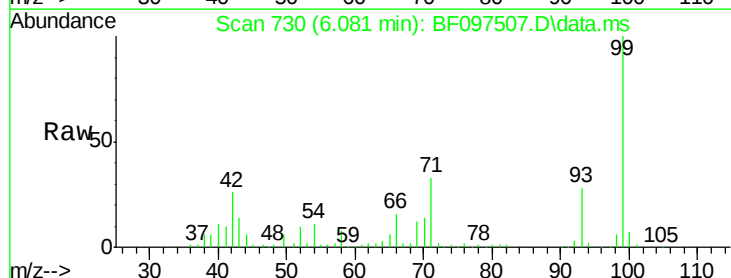
Tgt Ion: 93 Resp: 146854

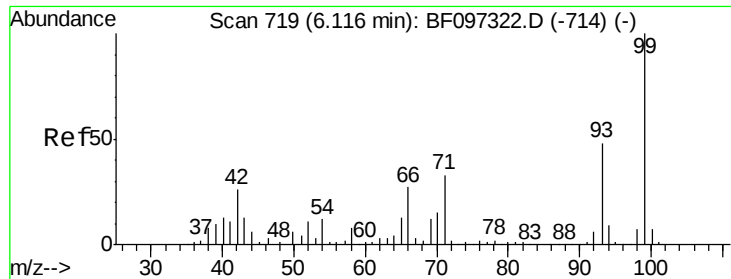
Ion Ratio Lower Upper

93 100

66 58.2 32.9 49.3#

65 22.3 16.0 24.0





#7

Phenol-d6

Concen: 133.13 ng

RT: 6.092 min Scan# 73

Delta R.T. 0.006 min

Lab File: BF097507.D

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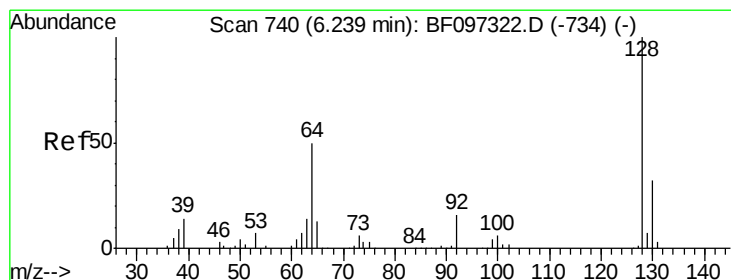
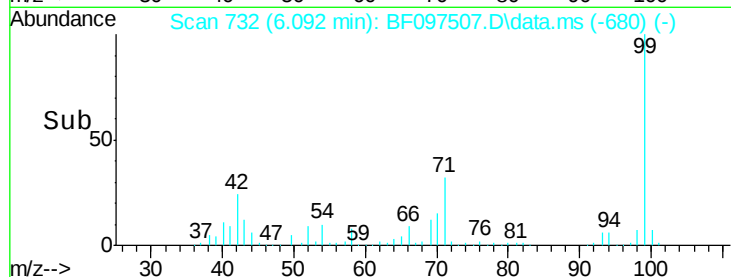
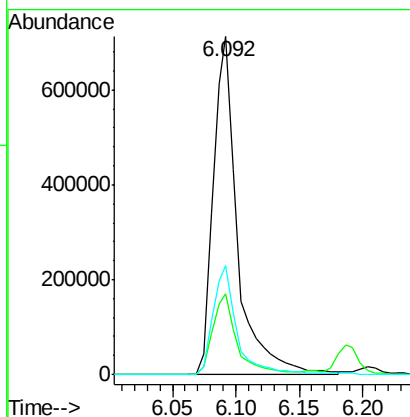
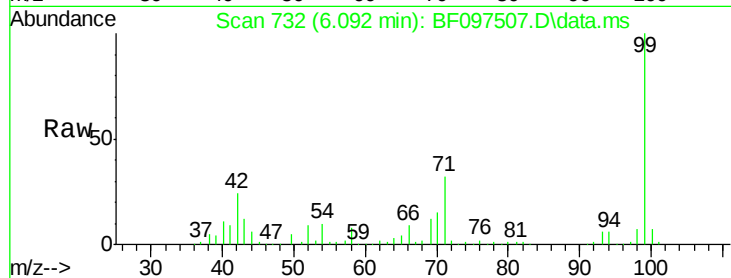
Tot Ion: 99 Resp: 953567

Ion Ratio Lower Upper

99 100

42 23.8 13.5 20.3#

71 32.1 24.5 36.7



#8

2-Chlorophenol

Concen: 44.60 ng

RT: 6.204 min Scan# 751

Delta R.T. -0.000 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

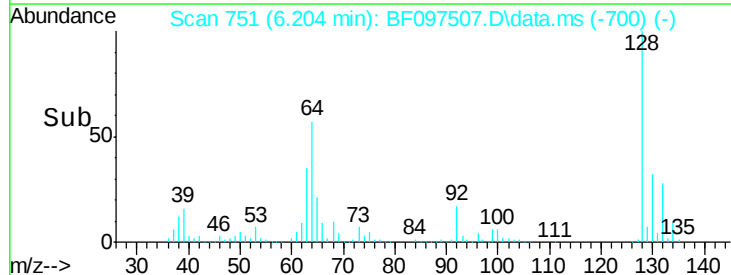
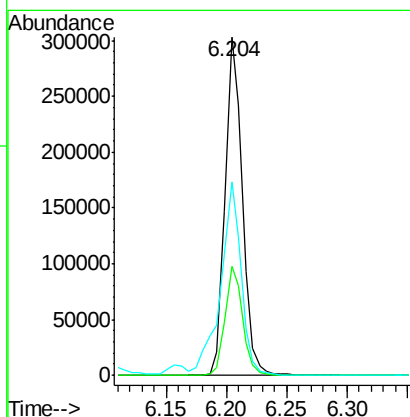
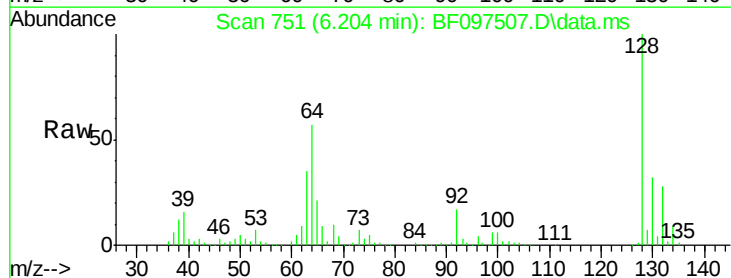
Tgt Ion: 128 Resp: 299245

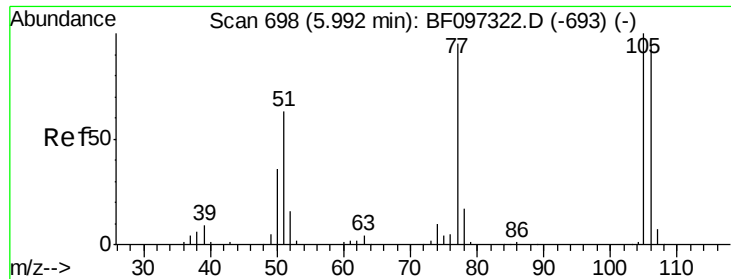
Ion Ratio Lower Upper

128 100

130 32.1 12.9 52.9

64 57.2 28.4 68.4





#9

Benzaldehyde

Concen: 25.54 ng

RT: 5.963 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF097507.D

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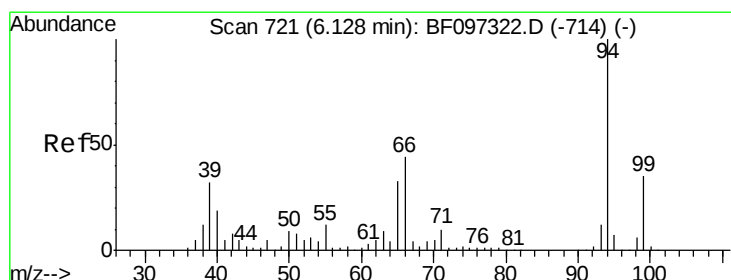
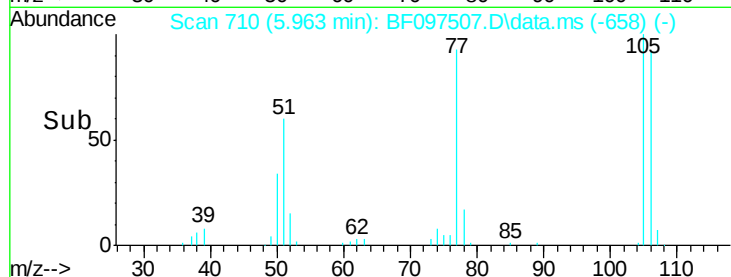
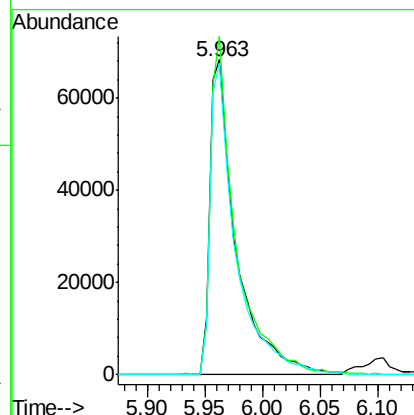
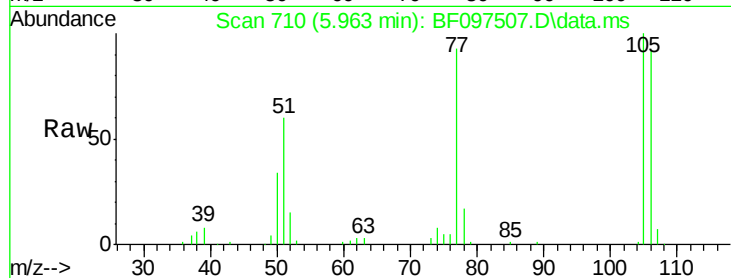
Tot Ion: 77 Resp: 108273

Ion Ratio Lower Upper

77 100

105 107.1 83.8 123.8

106 98.8 79.1 119.1



#10

Phenol

Concen: 40.25 ng

RT: 6.104 min Scan# 734

Delta R.T. 0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

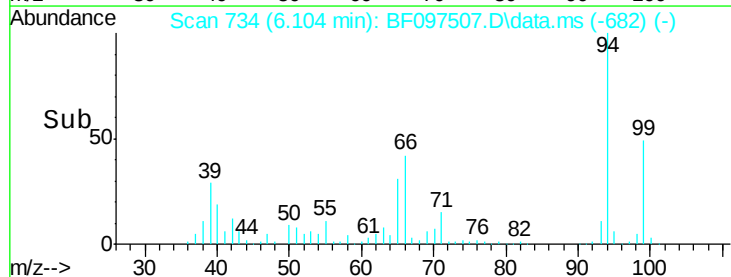
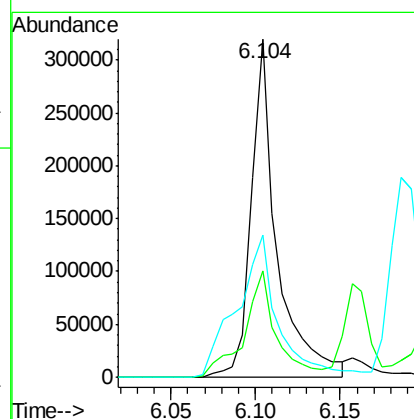
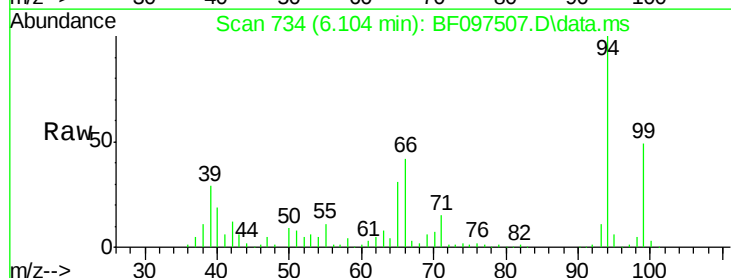
Tgt Ion: 94 Resp: 341951

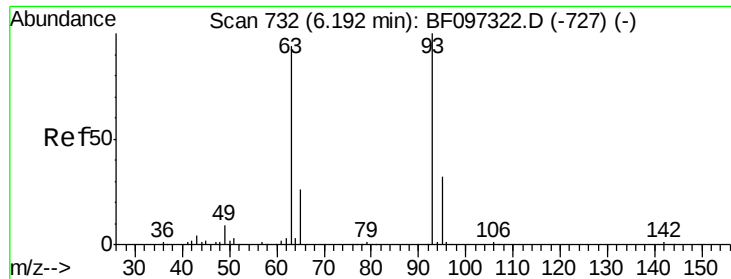
Ion Ratio Lower Upper

94 100

65 31.4 9.9 49.9

66 42.1 23.1 63.1





#11

bis(2-Chloroethyl)ether

Concen: 47.56 ng

RT: 6.157 min Scan# 741

Delta R.T. -0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

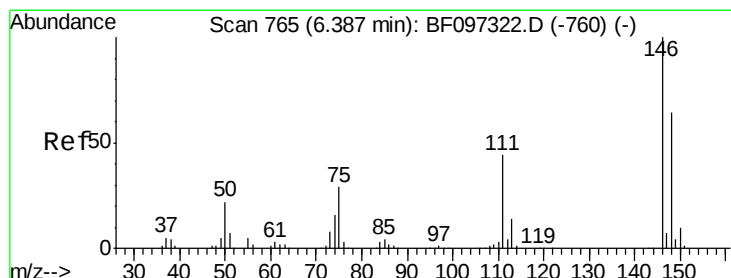
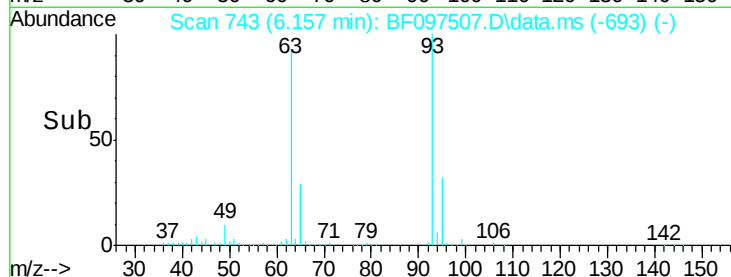
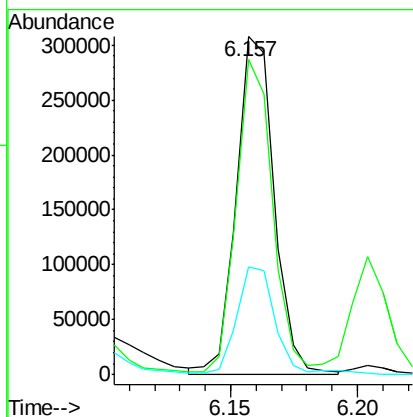
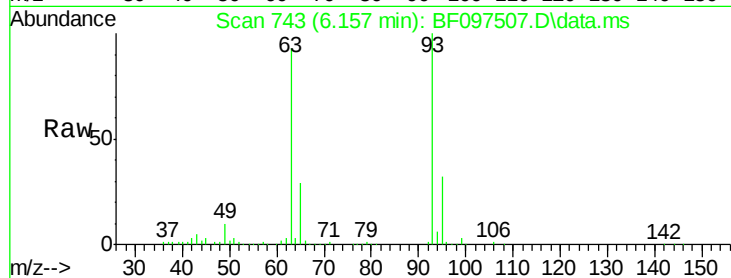
Tot Ion: 93 Resp: 319592

Ion Ratio Lower Upper

93 100

63 93.1 59.2 99.2

95 31.9 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 43.04 ng

RT: 6.345 min Scan# 775

Delta R.T. -0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

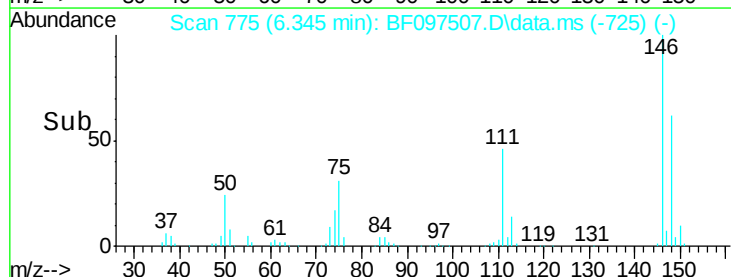
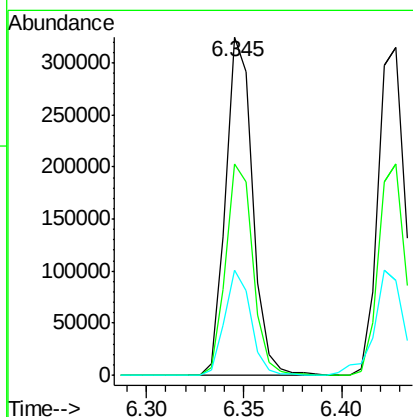
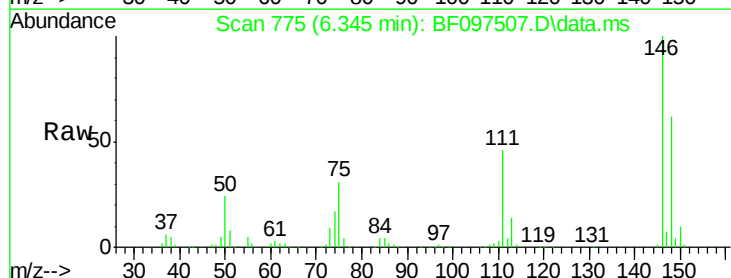
Tgt Ion: 146 Resp: 311152

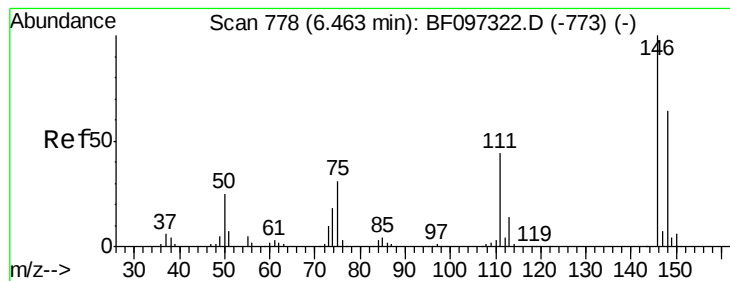
Ion Ratio Lower Upper

146 100

148 62.5 51.8 77.6

75 31.2 23.1 34.7





#13

1,4-Dichlorobenzene

Concen: 44.12 ng

RT: 6.428 min Scan# 78

Delta R.T. -0.000 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

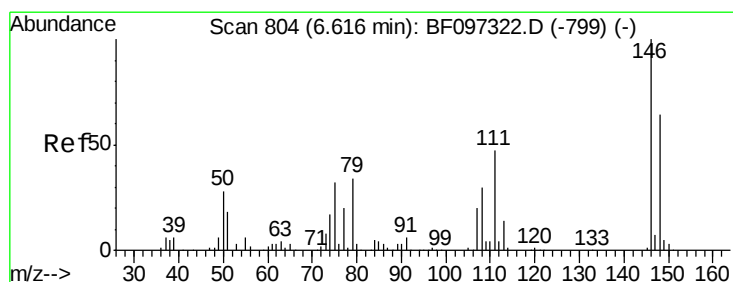
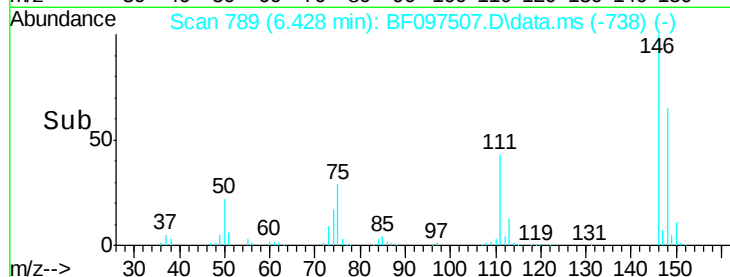
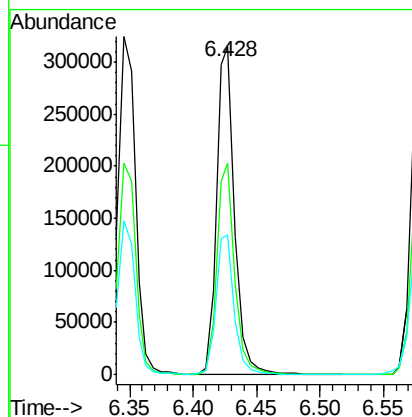
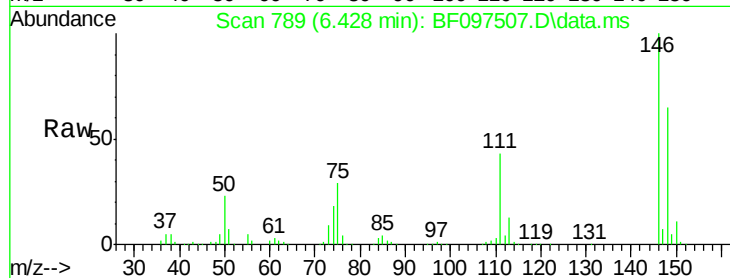
Tot Ion:146 Resp: 316155

Ion Ratio Lower Upper

146 100

148 64.7 52.2 78.2

111 42.8 30.3 45.5



#14

1,2-Dichlorobenzene

Concen: 43.53 ng

RT: 6.581 min Scan# 815

Delta R.T. -0.000 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

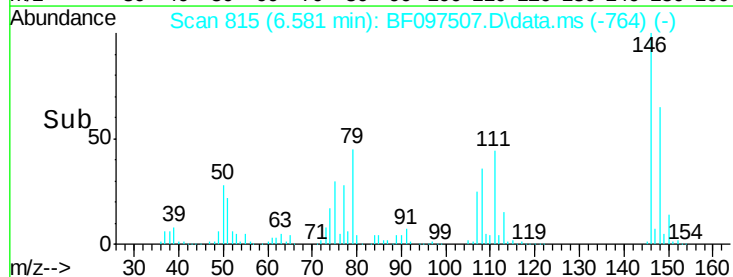
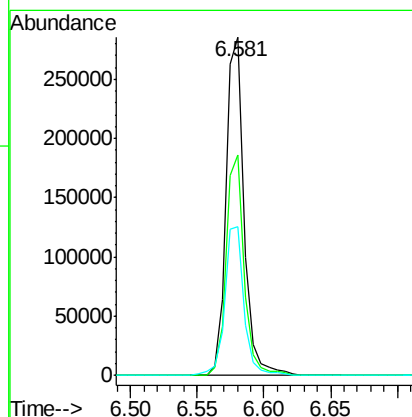
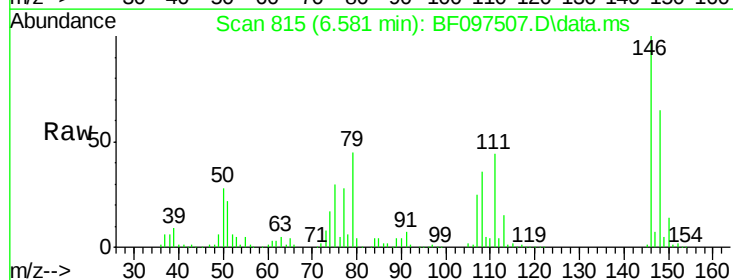
Tgt Ion:146 Resp: 272305

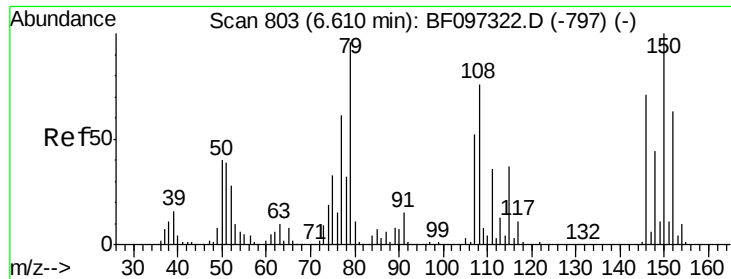
Ion Ratio Lower Upper

146 100

148 65.2 50.4 75.6

111 43.9 38.2 57.4





#15

Benzyl Alcohol

Concen: 54.84 ng

RT: 6.581 min Scan# 81

Delta R.T. -0.000 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

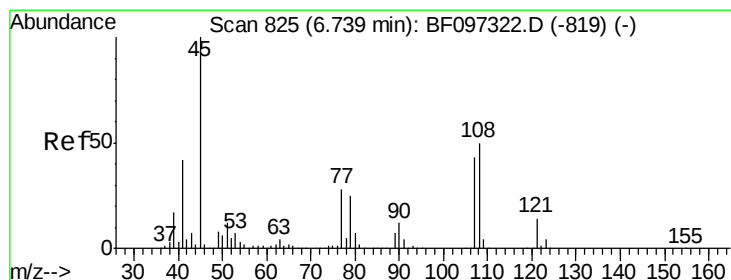
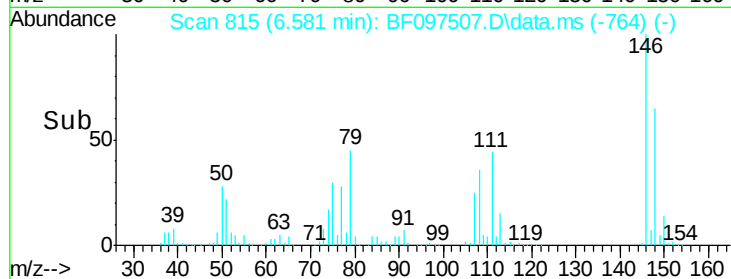
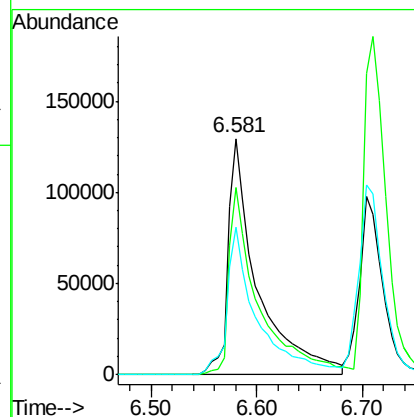
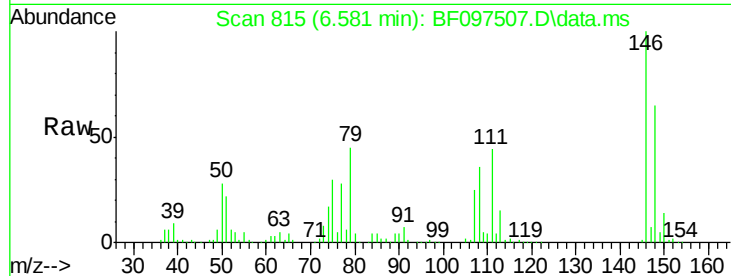
Tot Ion: 79 Resp: 248688

Ion Ratio Lower Upper

79 100

108 79.5 63.4 95.0

77 62.3 49.2 73.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 46.13 ng

RT: 6.698 min Scan# 835

Delta R.T. -0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

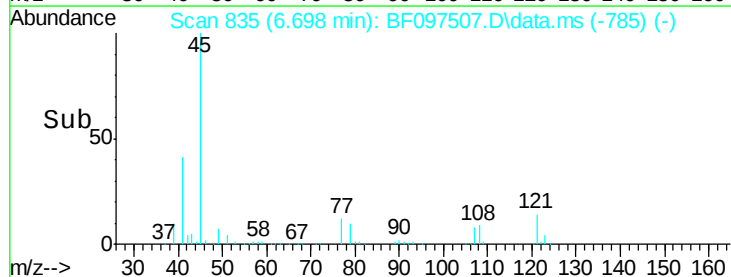
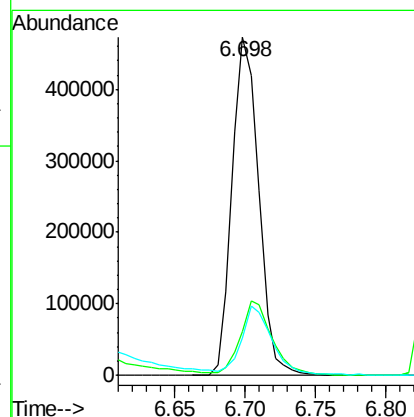
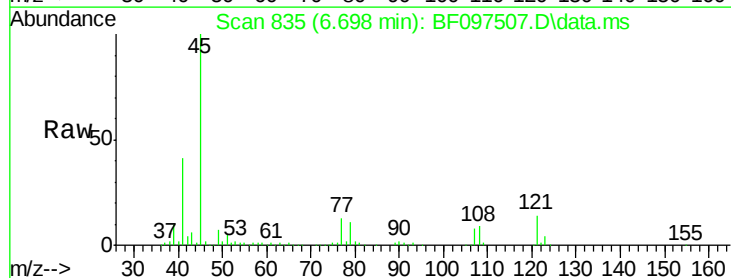
Tgt Ion: 45 Resp: 621729

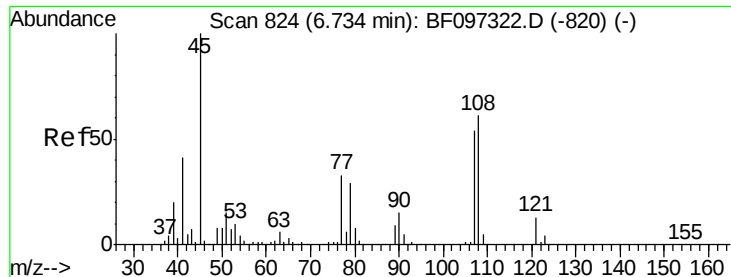
Ion Ratio Lower Upper

45 100

77 12.9 0.0 33.2

79 10.9 0.0 30.0

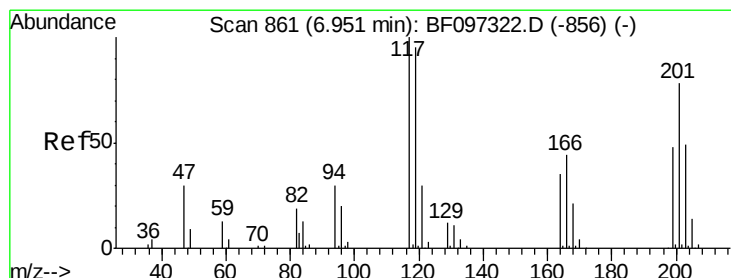
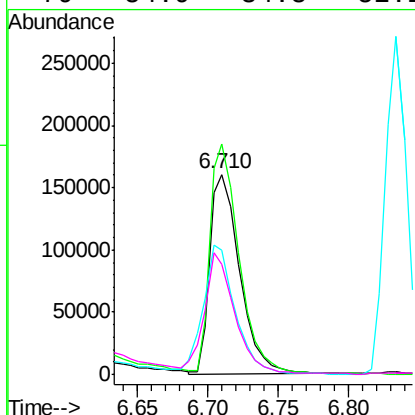
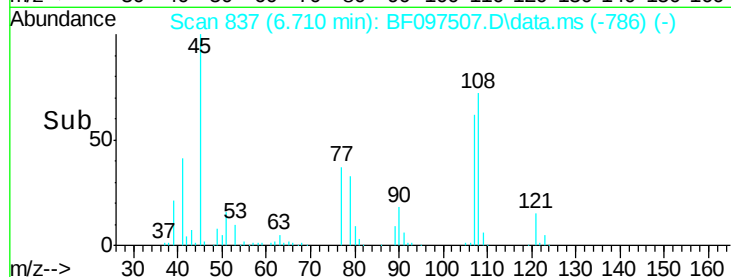
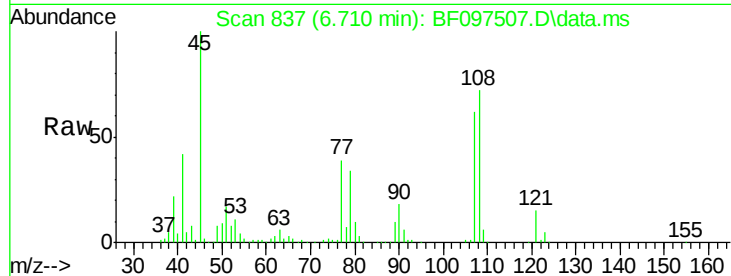




#17
2-Methylphenol
Concen: 45.57 ng
RT: 6.710 min Scan# 83
Delta R.T. -0.000 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

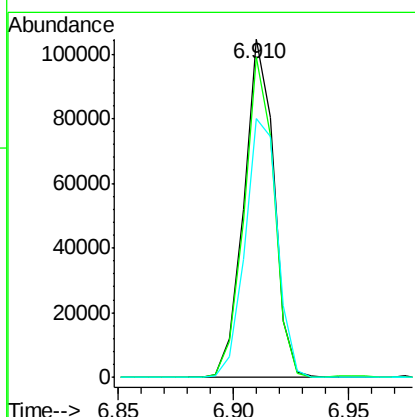
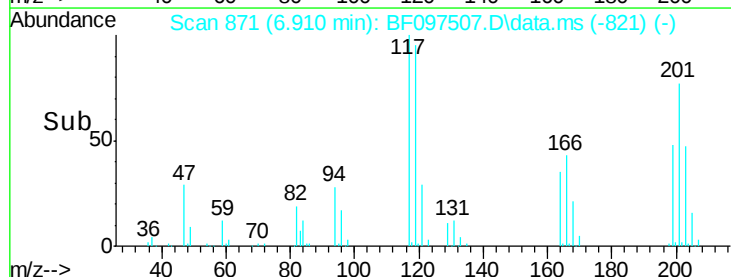
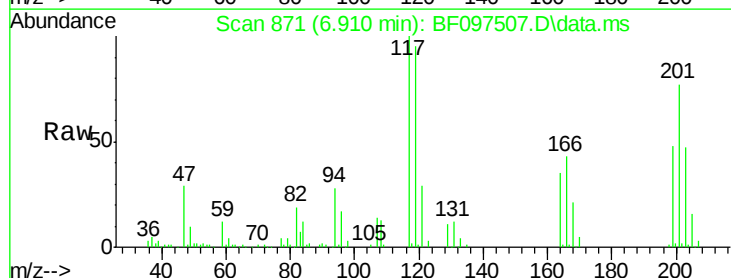
Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

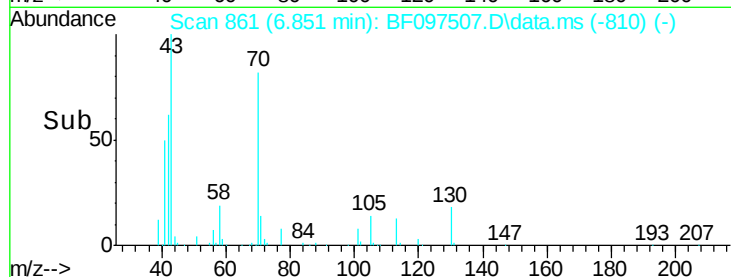
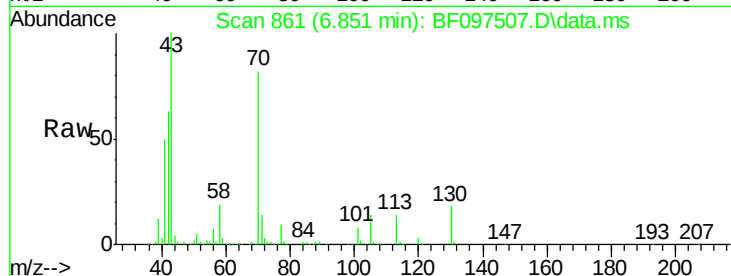
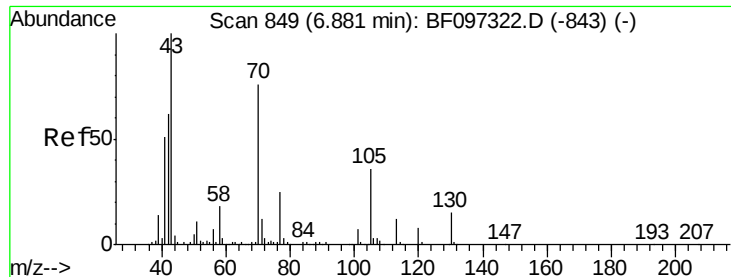
Tot Ion	Ratio	Lower	Upper
107	100		
108	115.6	93.4	140.0
77	62.0	35.8	53.6#
79	54.9	34.8	52.2#



#18
Hexachloroethane
Concen: 36.23 ng
RT: 6.910 min Scan# 871
Delta R.T. -0.006 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.4	116.0
201	76.5	94.6	141.8#

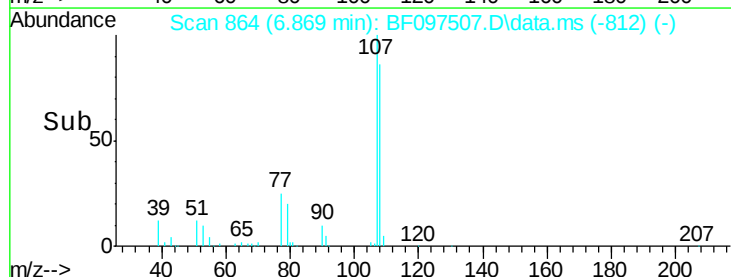
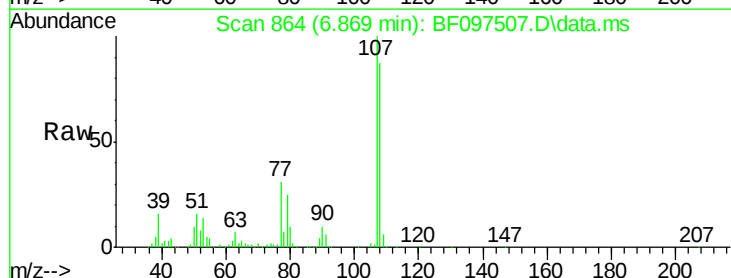
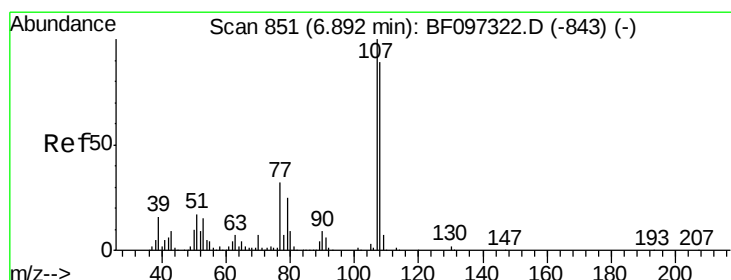
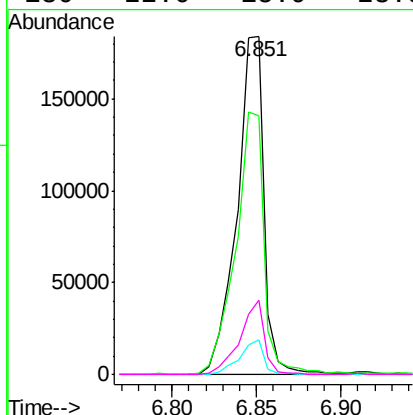




#19
n-Nitroso-di-n-propylamine
Concen: 43.71 ng
RT: 6.851 min Scan# 861
Delta R.T. -0.000 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

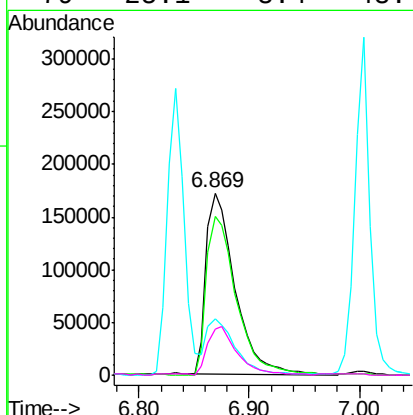
Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

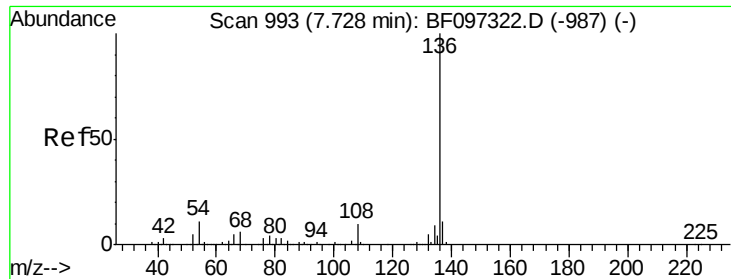
Tot Ion	Ratio	Lower	Upper
70	100		
42	76.7	47.2	70.8#
101	10.1	7.2	10.8
130	22.0	15.9	23.9



#20
3+4-Methylphenols
Concen: 45.79 ng
RT: 6.869 min Scan# 864
Delta R.T. 0.006 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.3	71.0	111.0
77	31.2	90.5	130.5#
79	25.1	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: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

Tot Ion:136 Resp: 375544

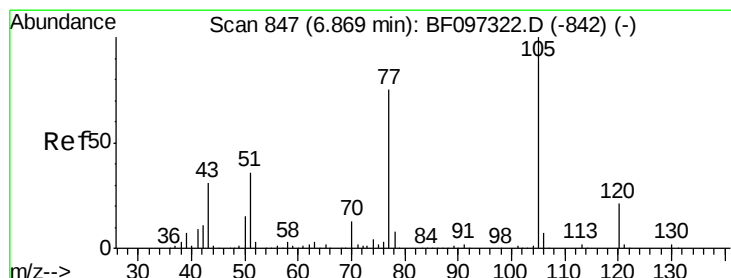
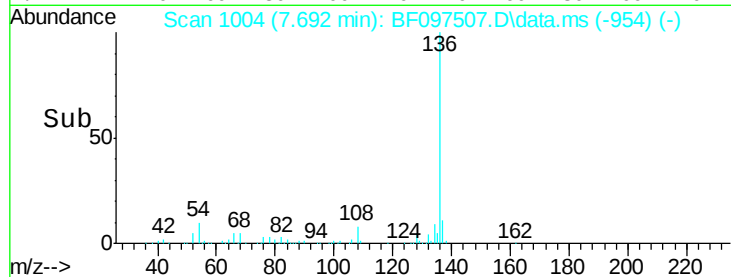
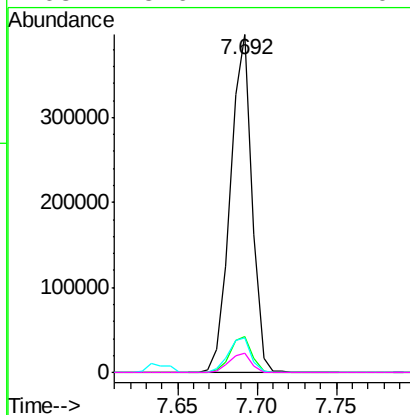
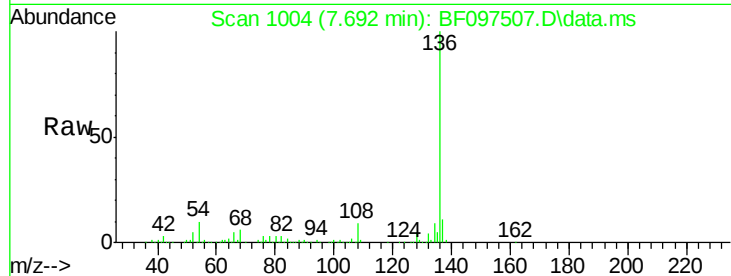
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 10.3 4.9 7.3#

68 5.6 4.1 6.1



#22

Acetophenone

Concen: 43.67 ng

RT: 6.833 min Scan# 858

Delta R.T. -0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Tgt Ion:105 Resp: 393880

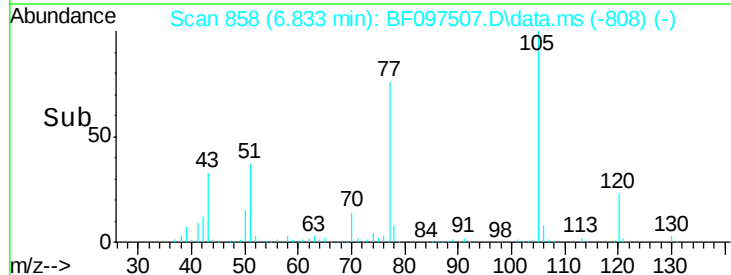
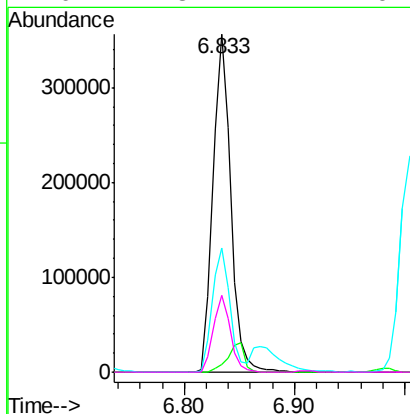
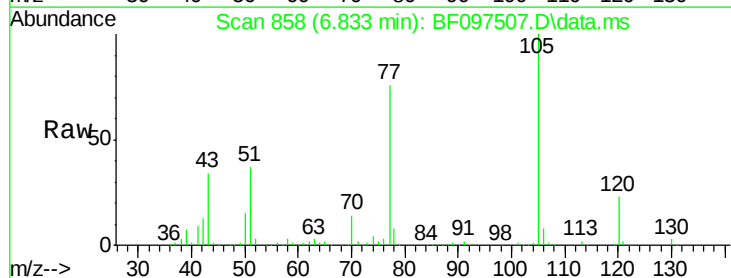
Ion Ratio Lower Upper

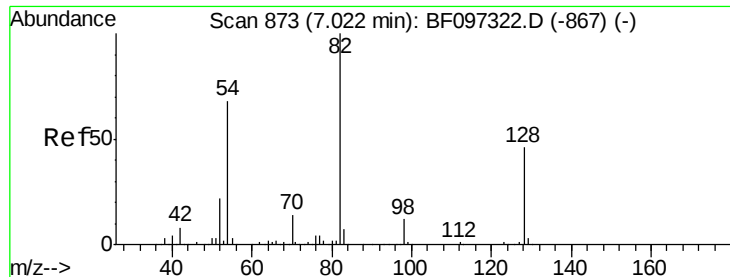
105 100

71 2.3 2.8 4.2#

51 36.6 30.7 46.1

120 22.8 17.4 26.0





#23

Nitrobenzene-d5

Concen: 93.39 ng

RT: 6.986 min Scan# 88

Delta R.T. -0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

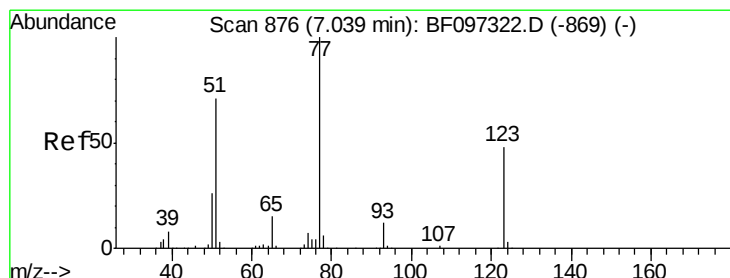
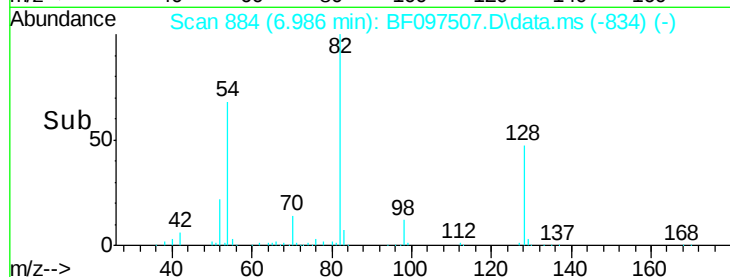
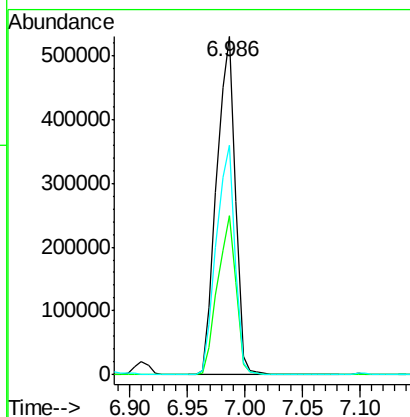
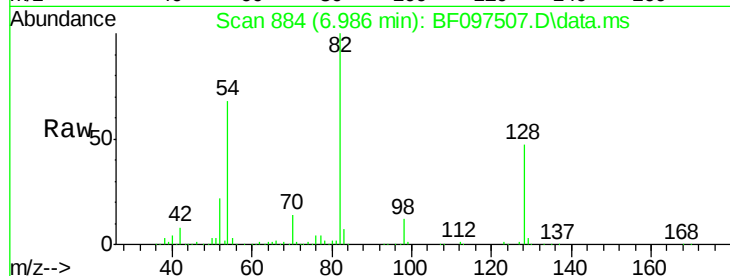
Tot Ion: 82 Resp: 597837

Ion Ratio Lower Upper

82 100

128 46.9 34.0 51.0

54 67.9 42.2 63.2#



#24

Nitrobenzene

Concen: 45.67 ng

RT: 7.004 min Scan# 887

Delta R.T. -0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

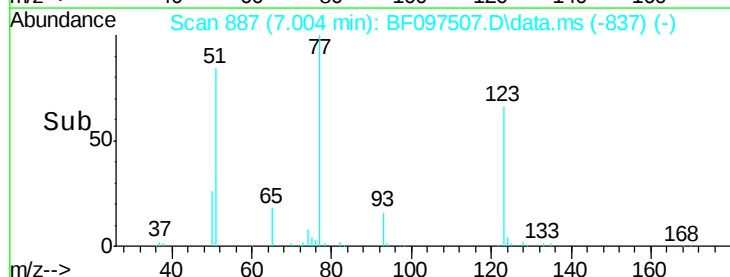
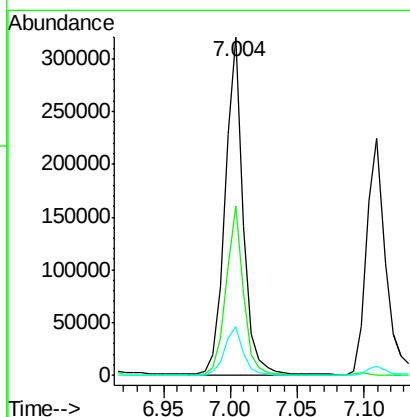
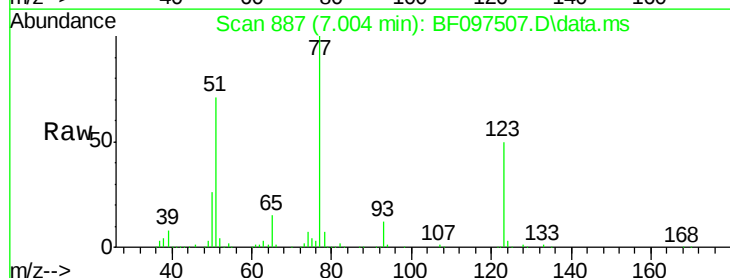
Tgt Ion: 77 Resp: 304469

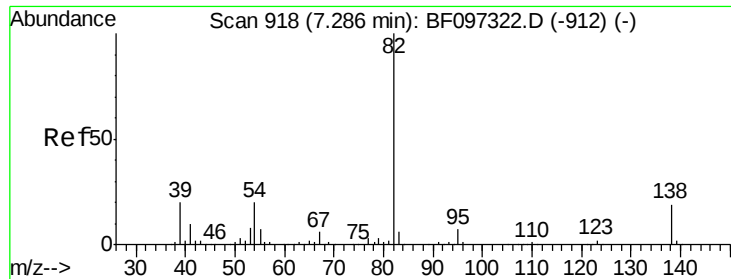
Ion Ratio Lower Upper

77 100

123 49.9 35.8 53.8

65 14.6 10.6 15.8





#25

Isophorone

Concen: 40.98 ng

RT: 7.245 min Scan# 92

Delta R.T. -0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

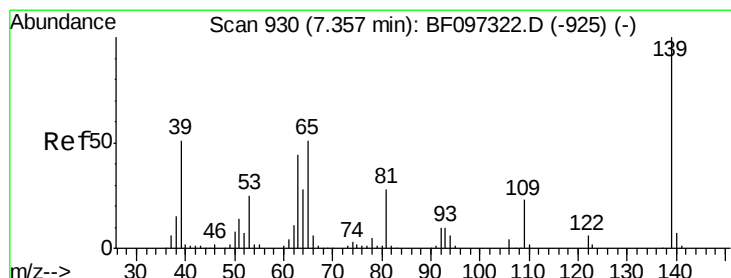
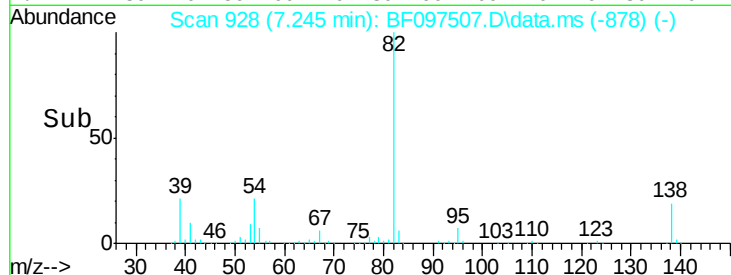
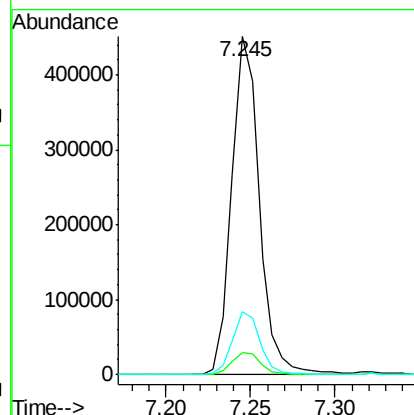
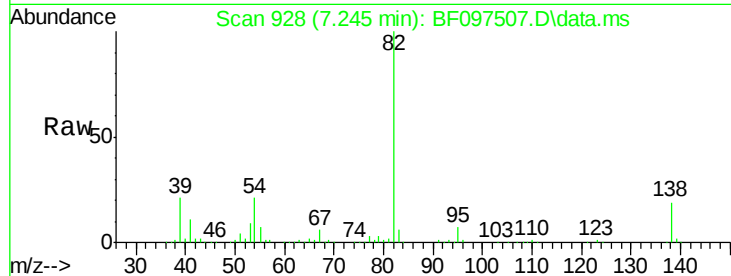
Tot Ion: 82 Resp: 513697

Ion Ratio Lower Upper

82 100

95 6.6 5.3 7.9

138 18.6 13.1 19.7



#26

2-Nitrophenol

Concen: 39.62 ng

RT: 7.322 min Scan# 941

Delta R.T. -0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

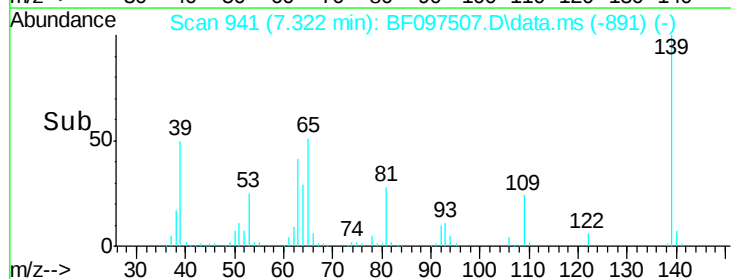
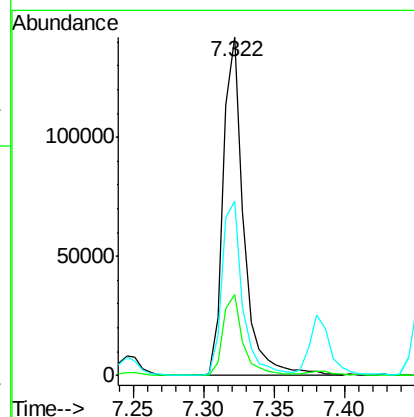
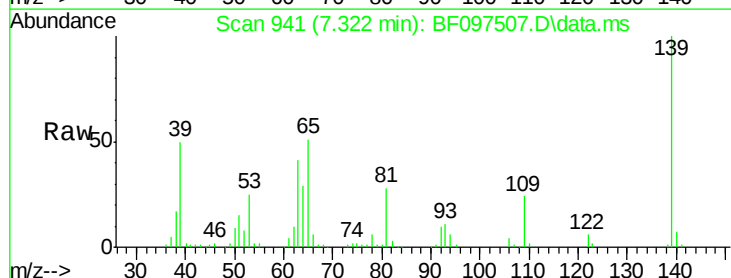
Tgt Ion: 139 Resp: 142925

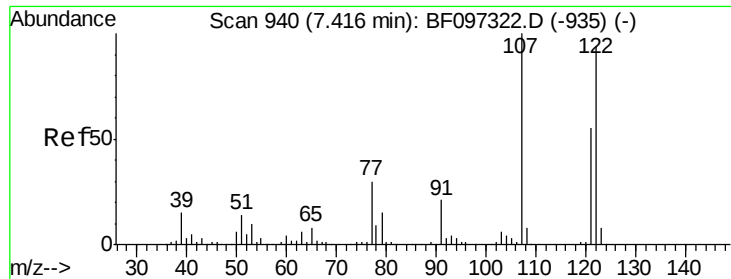
Ion Ratio Lower Upper

139 100

109 23.9 21.0 31.6

65 51.4 33.0 49.6#





#27

2,4-Dimethylphenol

Concen: 41.27 ng

RT: 7.380 min Scan# 951

Delta R.T. -0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

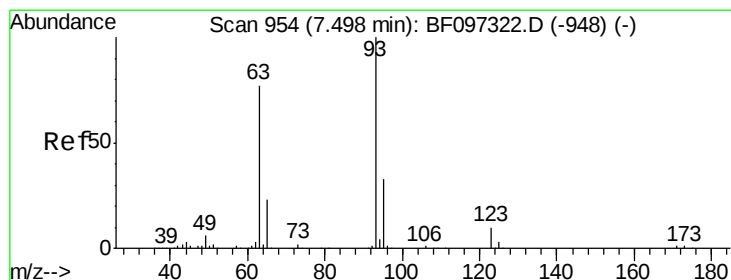
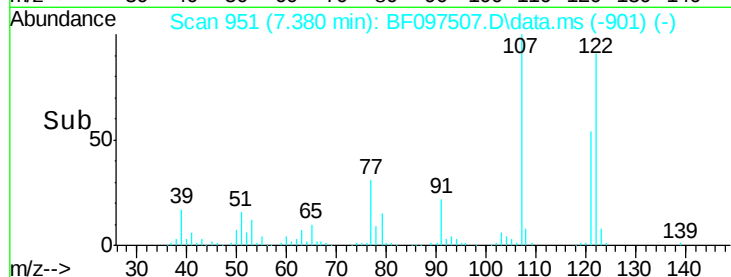
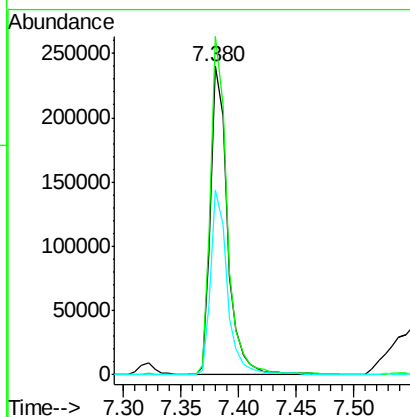
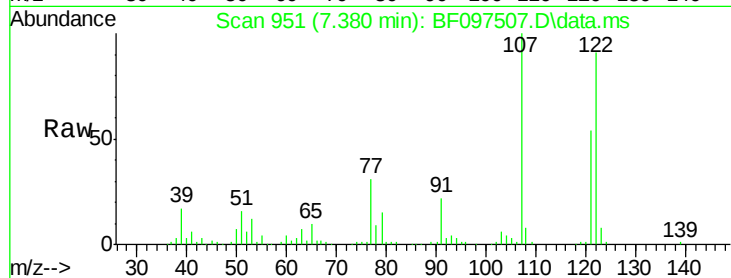
Tot Ion:122 Resp: 245581

Ion Ratio Lower Upper

122 100

107 109.7 89.2 133.8

121 59.8 45.2 67.8



#28

bis(2-Chloroethoxy)methane

Concen: 43.06 ng

RT: 7.463 min Scan# 965

Delta R.T. -0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

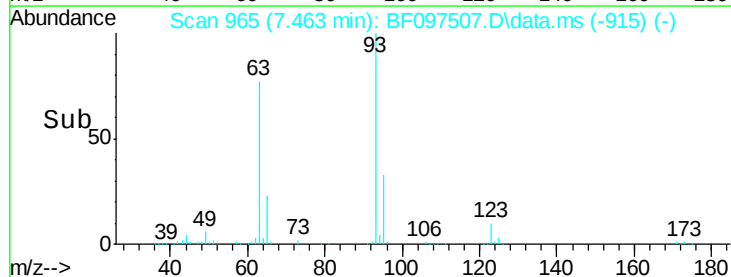
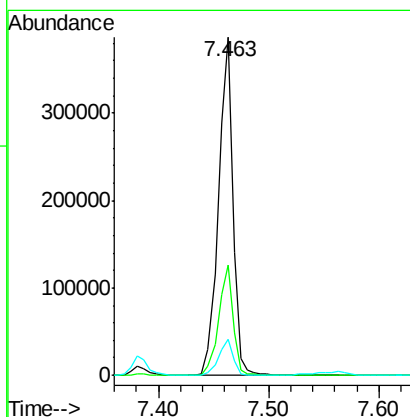
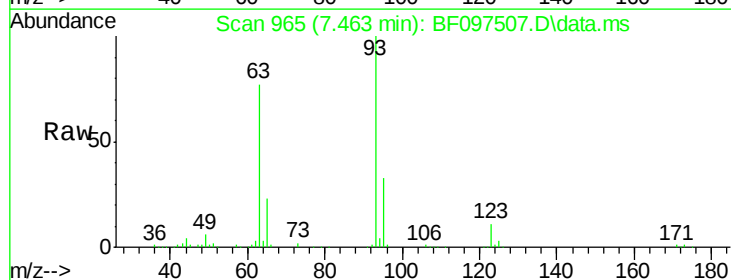
Tgt Ion: 93 Resp: 352298

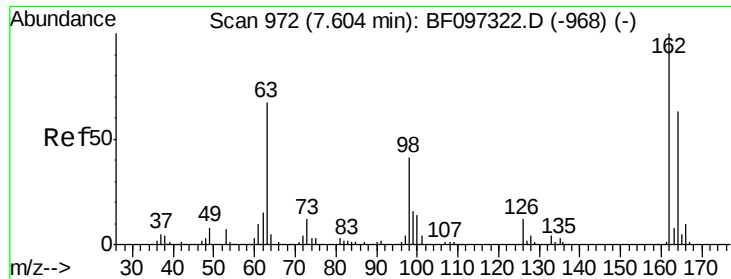
Ion Ratio Lower Upper

93 100

95 32.7 26.5 39.7

123 10.6 9.0 13.4





#29

2,4-Dichlorophenol

Concen: 44.75 ng

RT: 7.580 min Scan# 98

Delta R.T. -0.000 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

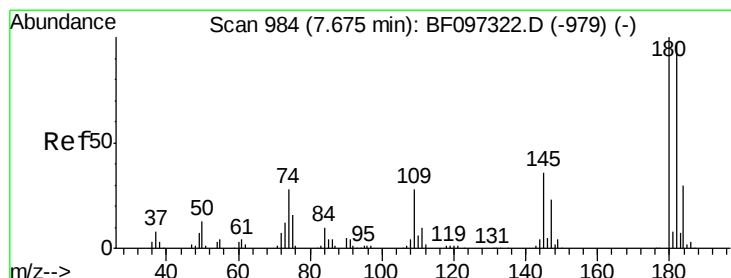
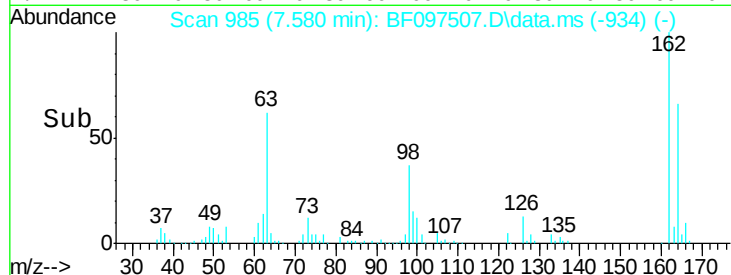
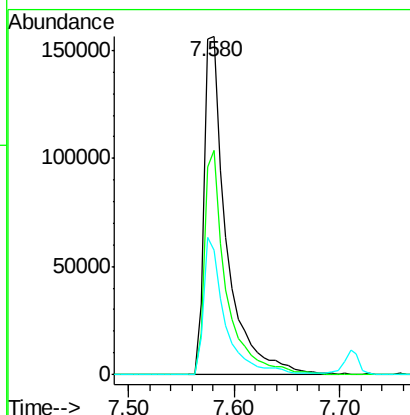
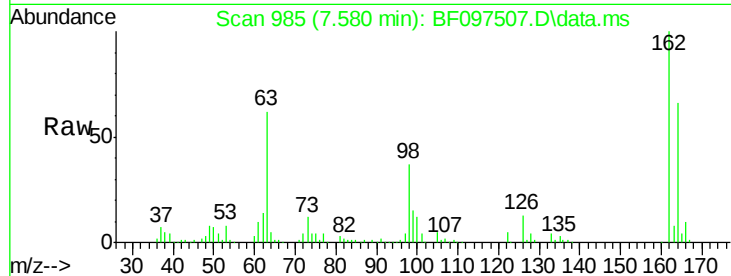
Tot Ion:162 Resp: 229407

Ion Ratio Lower Upper

162 100

164 66.2 44.6 84.6

98 36.9 14.8 54.8



#30

1,2,4-Trichlorobenzene

Concen: 42.04 ng

RT: 7.639 min Scan# 995

Delta R.T. -0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

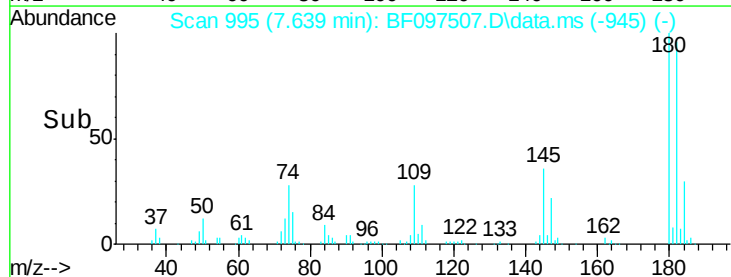
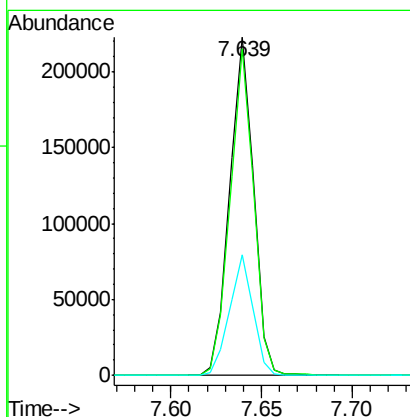
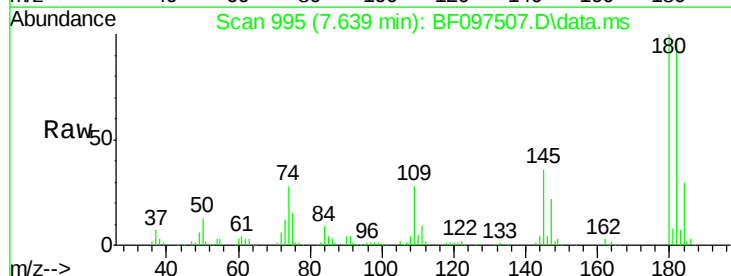
Tgt Ion:180 Resp: 205382

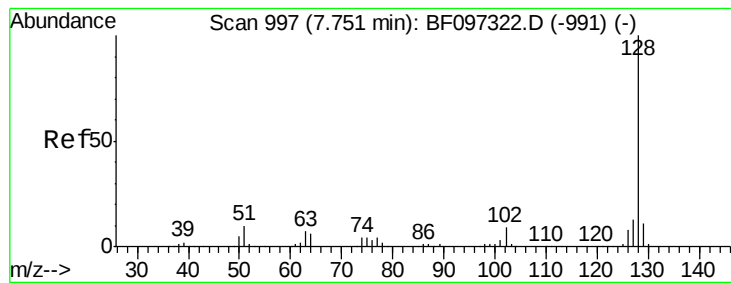
Ion Ratio Lower Upper

180 100

182 96.5 75.8 113.6

145 35.5 25.3 37.9





#31

Naphthalene

Concen: 46.01 ng

RT: 7.710 min Scan# 10

Delta R.T. -0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

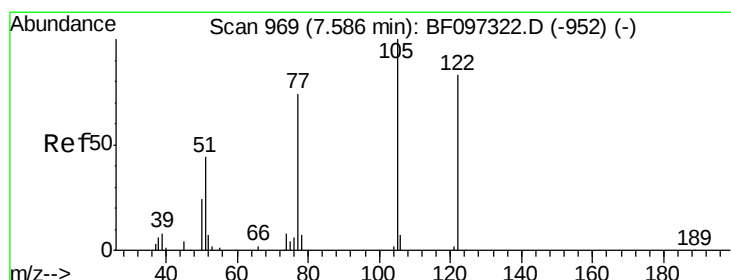
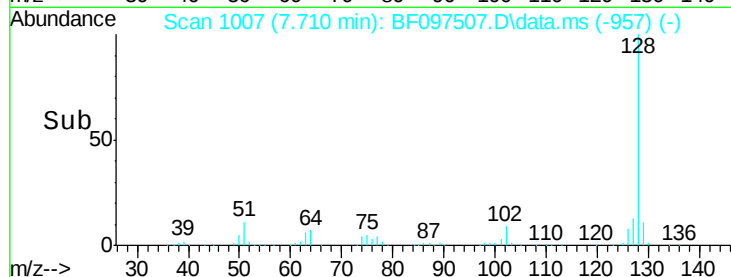
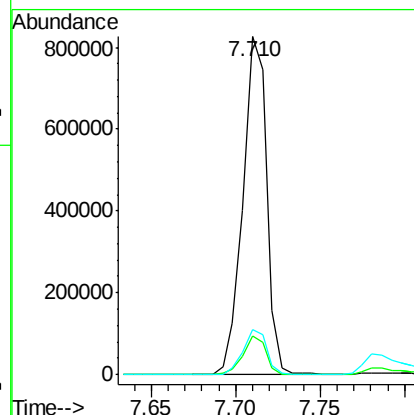
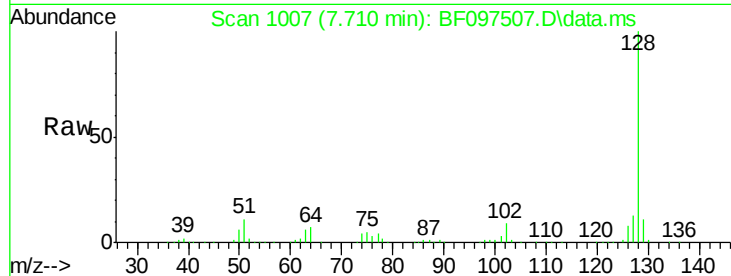
Tot Ion:128 Resp: 814511

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

127 13.4 10.8 16.2



#32

Benzoic acid

Concen: 27.45 ng

RT: 7.569 min Scan# 983

Delta R.T. -0.000 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

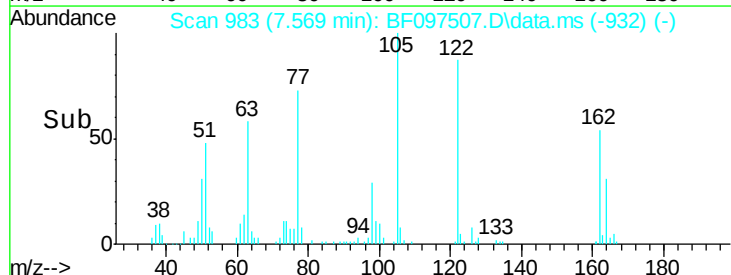
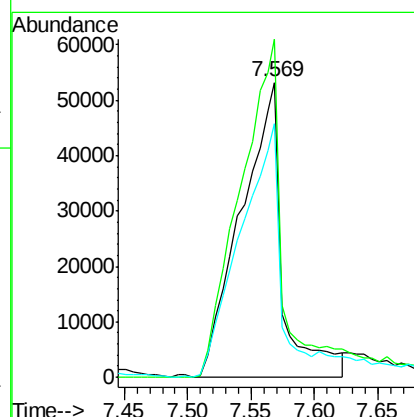
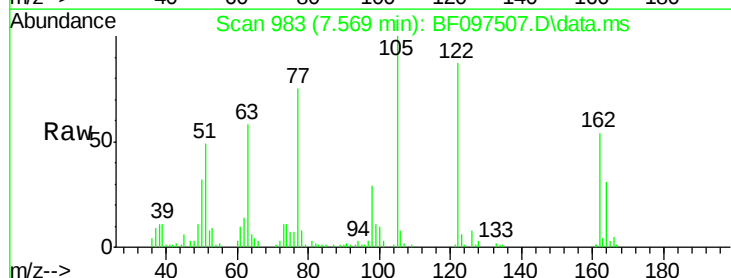
Tgt Ion:122 Resp: 121984

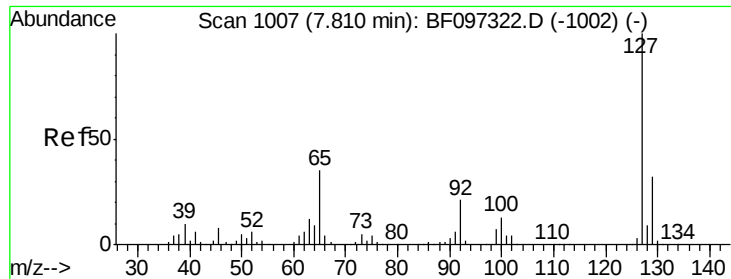
Ion Ratio Lower Upper

122 100

105 114.5 103.3 143.3

77 85.9 73.7 113.7

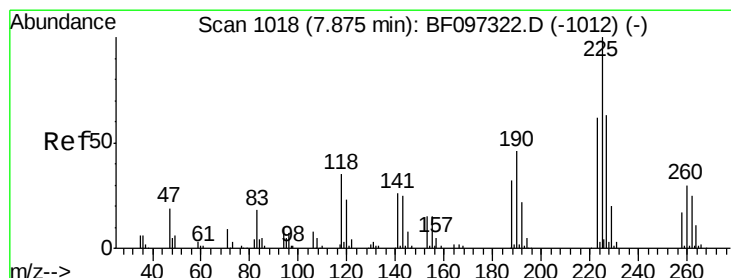
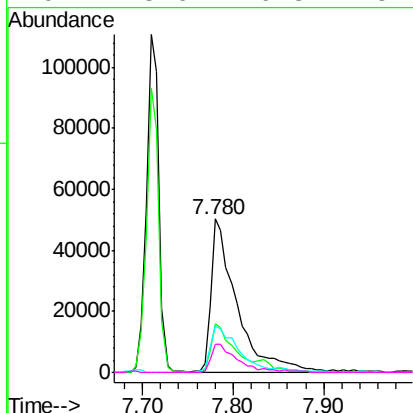
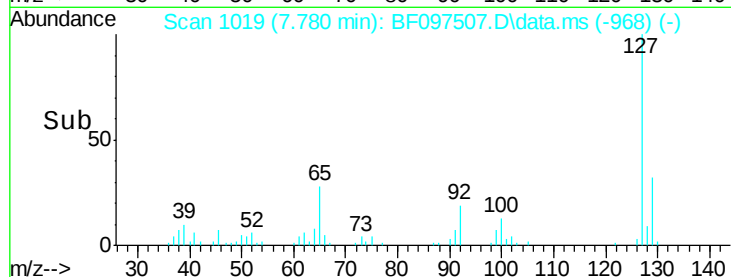
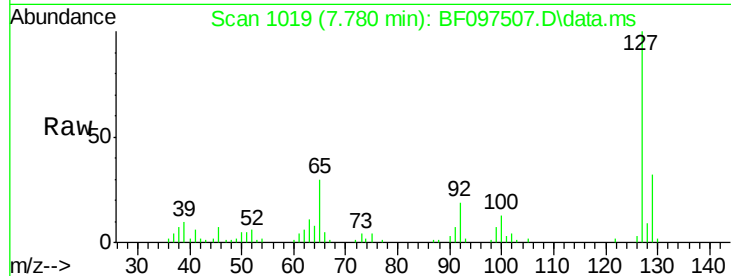




#33
4-Chloroaniline
Concen: 13.99 ng
RT: 7.780 min Scan# 1007
Delta R.T. -0.000 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

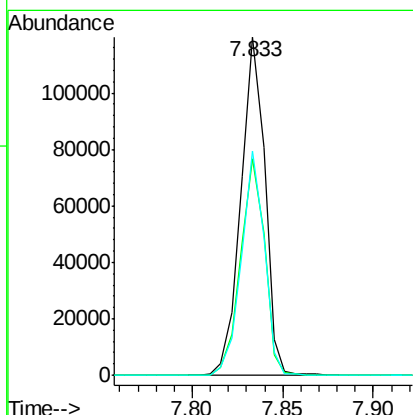
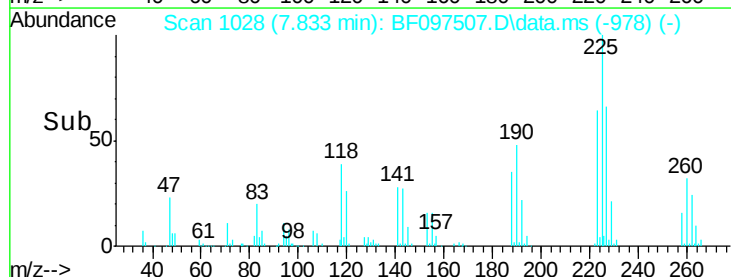
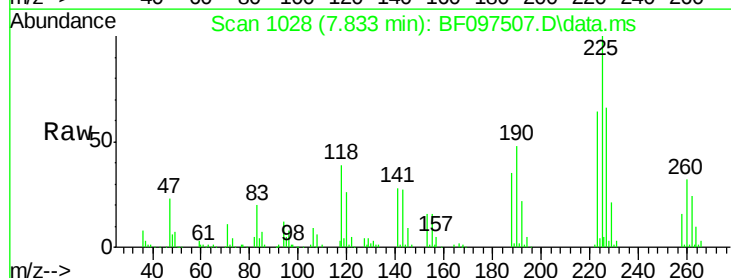
Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

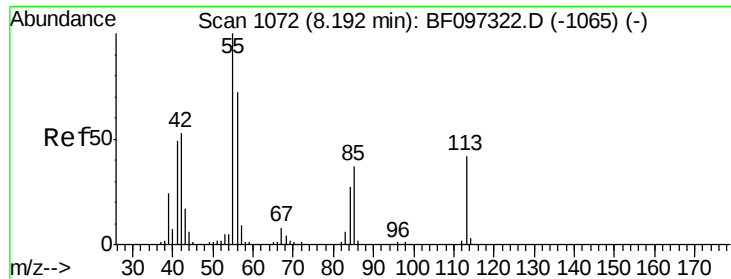
Tot Ion:	127	Resp:	100742
Ion Ratio	Lower	Upper	
127	100		
129	31.8	26.2	39.2
65	30.3	27.8	41.8
92	18.6	16.8	25.2



#34
Hexachlorobutadiene
Concen: 42.64 ng
RT: 7.833 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion:	225	Resp:	110447
Ion Ratio	Lower	Upper	
225	100		
223	63.9	48.8	73.2
227	66.3	51.1	76.7

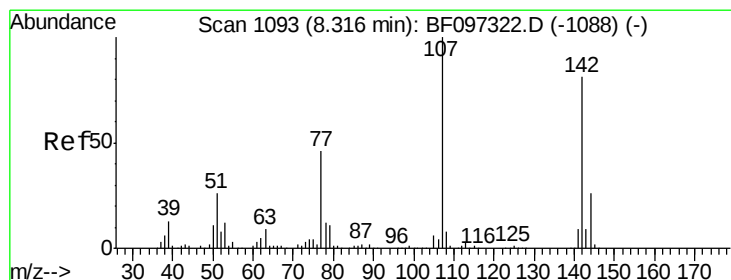
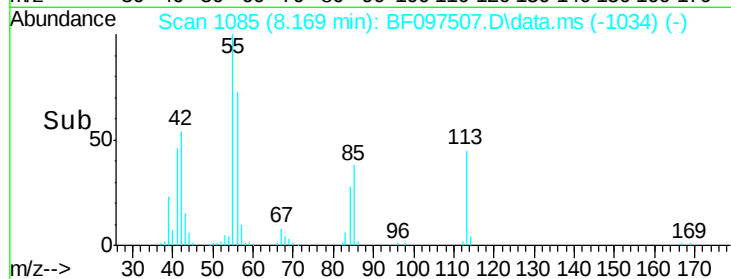
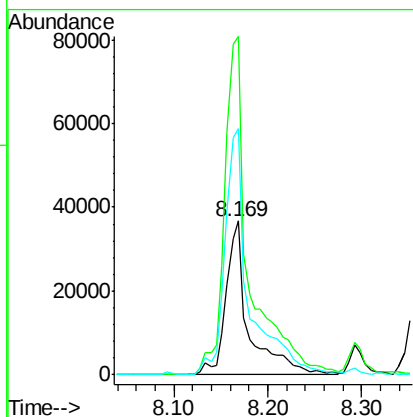
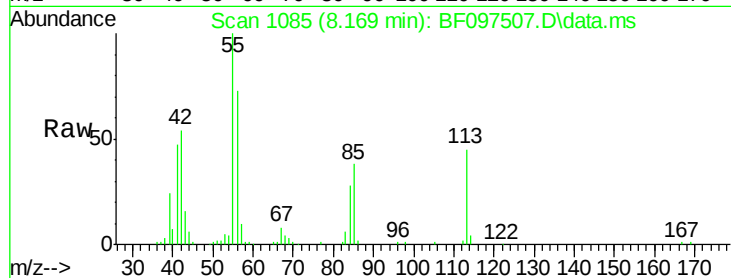




#35
 Caprolactam
 Concen: 37.71 ng
 RT: 8.169 min Scan# 1072
 Delta R.T. -0.000 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

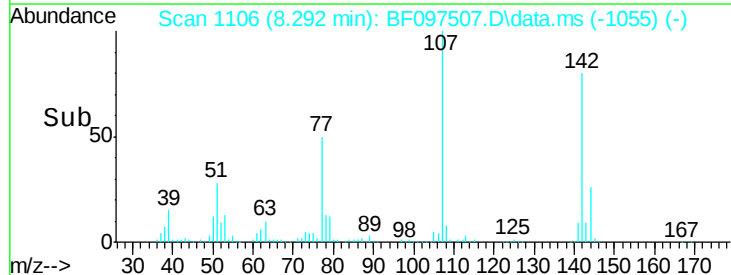
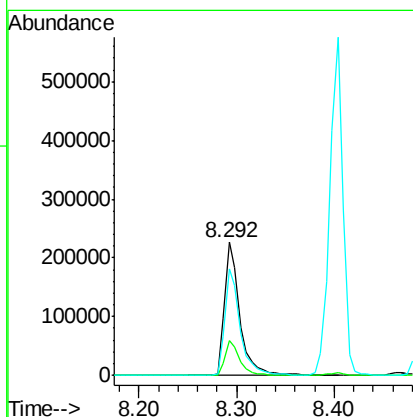
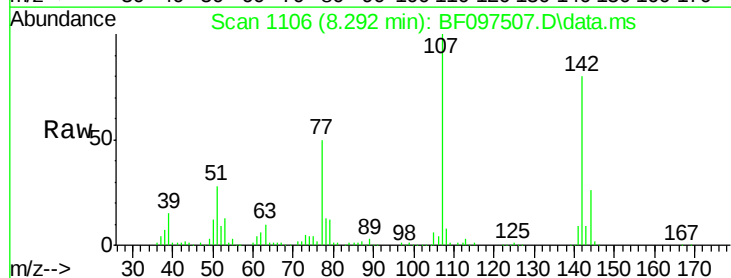
Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451MSD

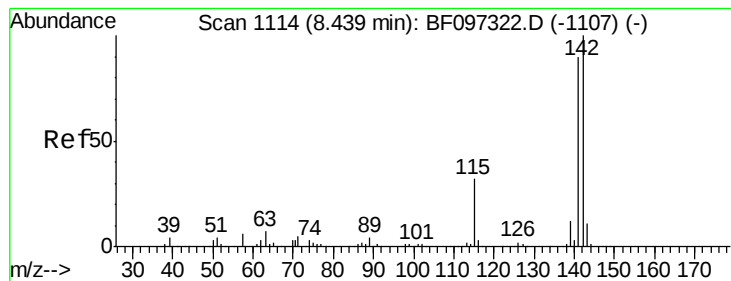
Tot Ion:113 Resp: 61981
 Ion Ratio Lower Upper
 113 100
 55 220.7 150.2 190.2#
 56 160.8 107.8 147.8#



#36
 4-Chloro-3-methylphenol
 Concen: 43.92 ng
 RT: 8.292 min Scan# 1106
 Delta R.T. -0.000 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

Tgt Ion:107 Resp: 245631
 Ion Ratio Lower Upper
 107 100
 144 25.7 24.2 36.4
 142 79.8 73.4 110.0





#37

2-Methylnaphthalene

Concen: 47.78 ng

RT: 8.404 min Scan# 111

Delta R.T. -0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

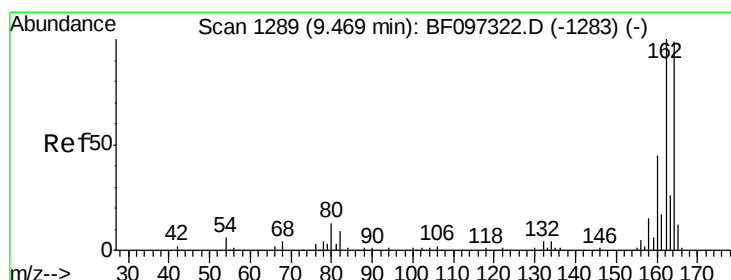
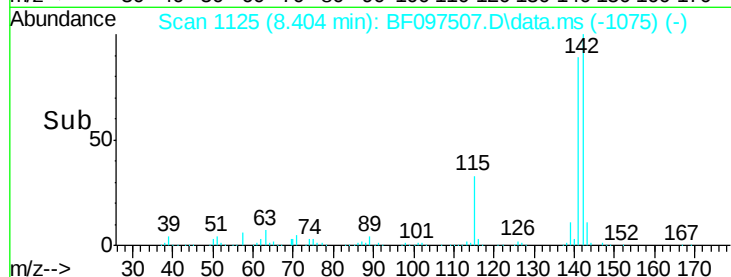
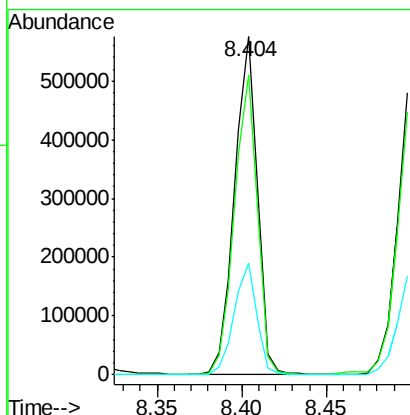
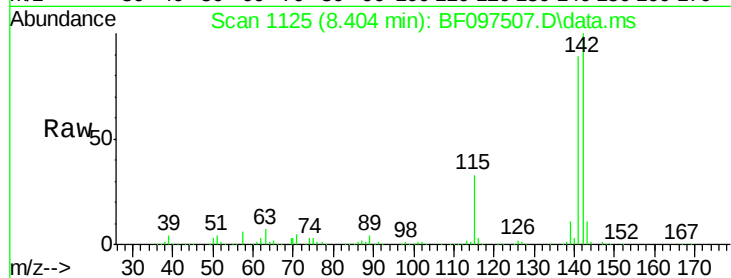
Tot Ion:142 Resp: 535520

Ion Ratio Lower Upper

142 100

141 88.6 71.3 106.9

115 33.0 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: BF097507.D

Acq: 9 Aug 2017 9:55

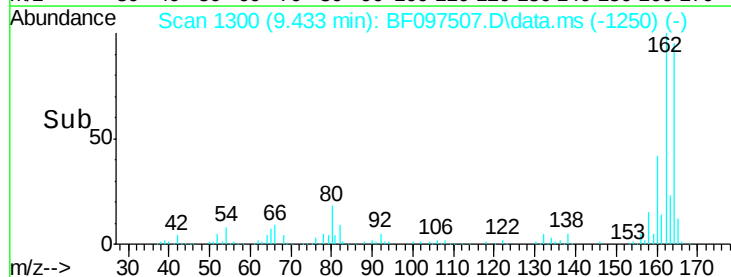
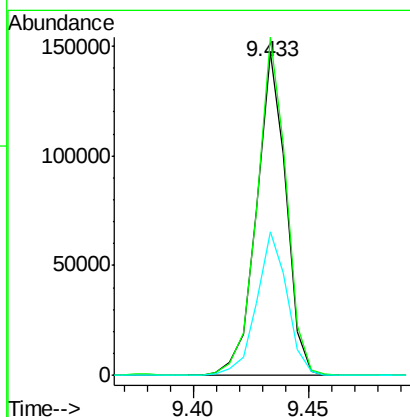
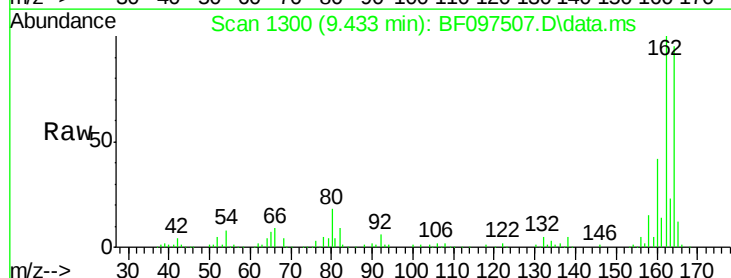
Tgt Ion:164 Resp: 130386

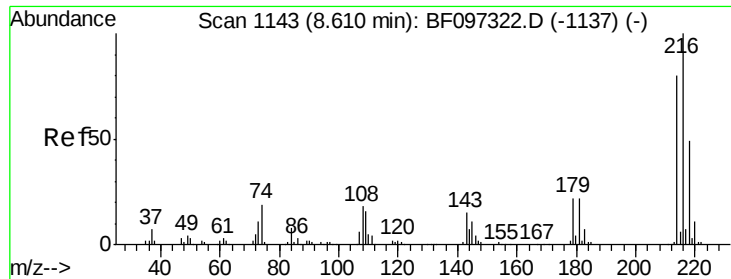
Ion Ratio Lower Upper

164 100

162 104.9 82.6 123.8

160 44.6 36.2 54.2





#39

1,2,4,5-Tetrachlorobenzene

Concen: 53.69 ng

RT: 8.575 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

Tot Ion:216 Resp: 186780

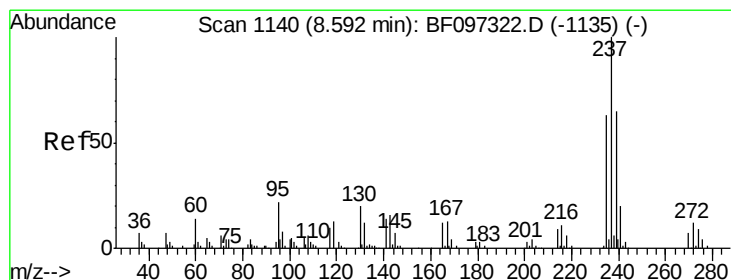
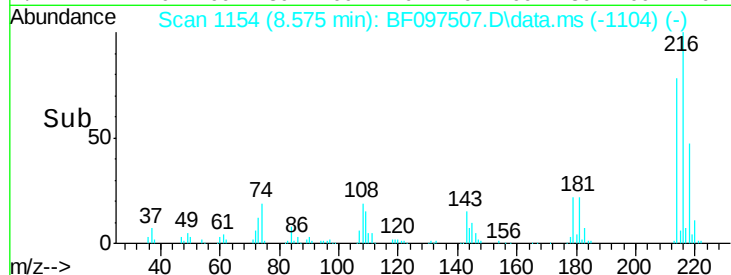
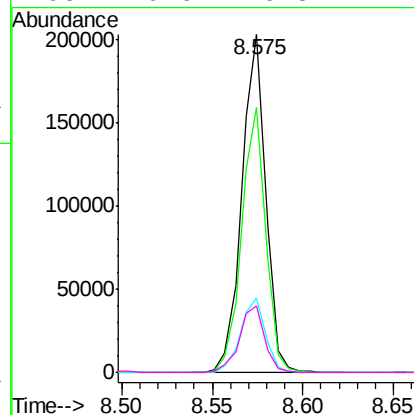
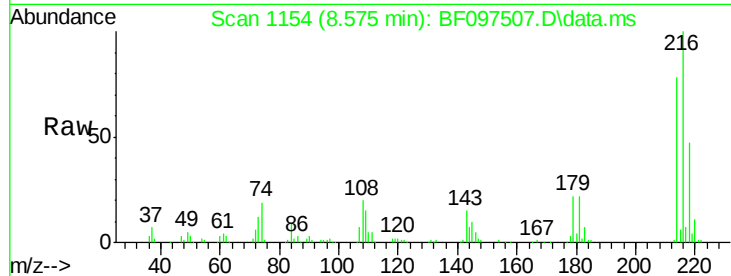
Ion Ratio Lower Upper

216 100

214 78.7 63.4 95.2

179 22.8 17.9 26.9

108 20.6 16.5 24.7



#40

Hexachlorocyclopentadiene

Concen: 10.52 ng

RT: 8.557 min Scan# 1151

Delta R.T. -0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

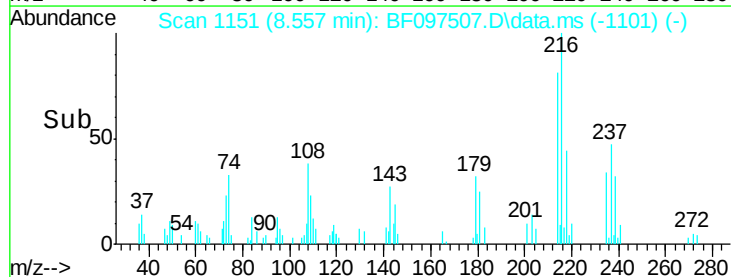
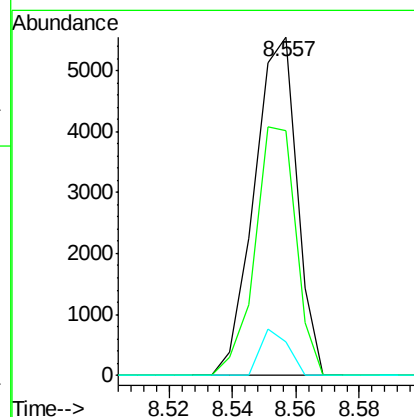
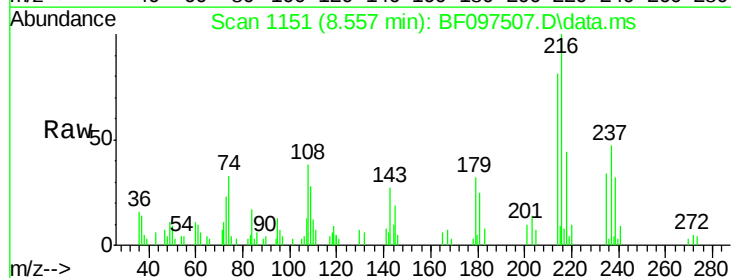
Tgt Ion:237 Resp: 5210

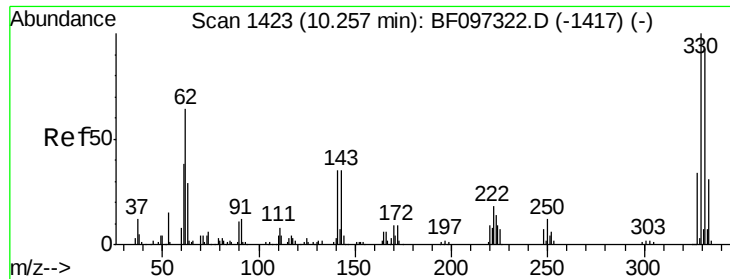
Ion Ratio Lower Upper

237 100

235 72.2 42.6 82.6

272 10.0 0.0 31.9

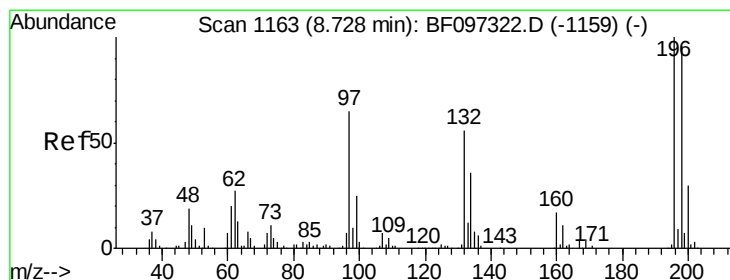
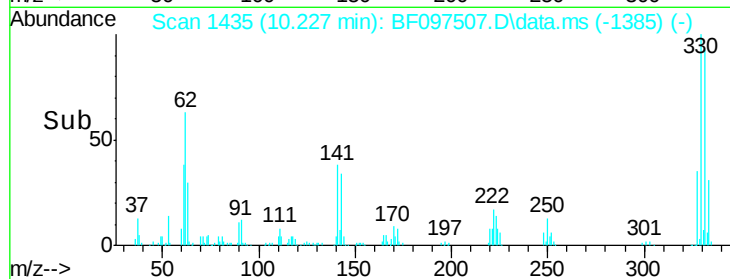
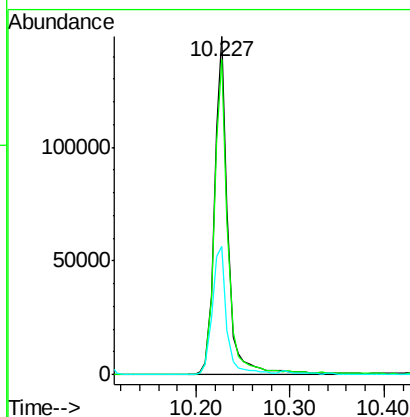
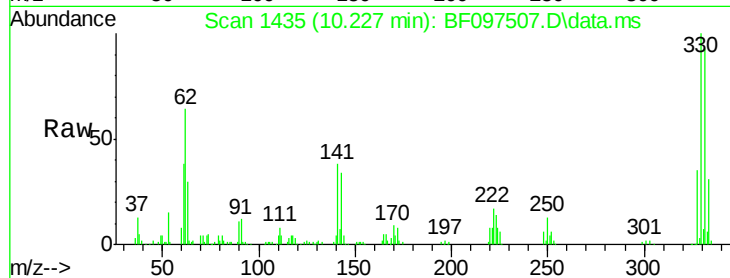




#41
 2,4,6-Tribromophenol
 Concen: 146.86 ng
 RT: 10.227 min Scan# 141
 Delta R.T. -0.006 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

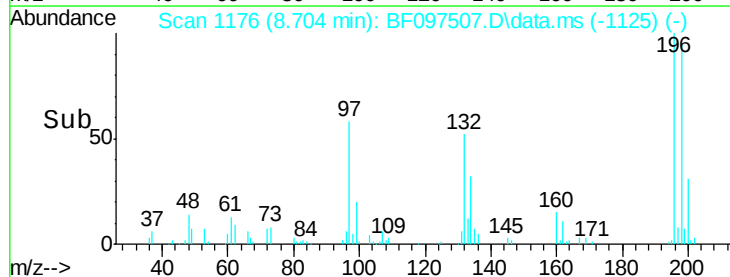
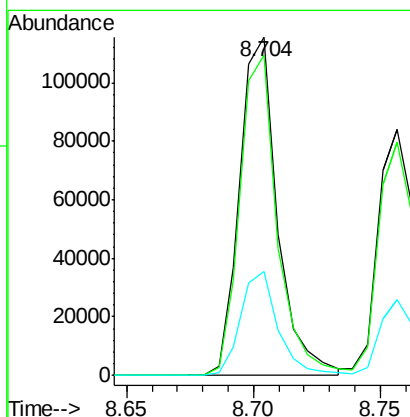
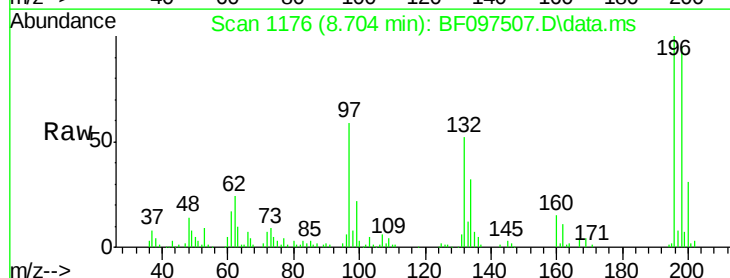
Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451MSD

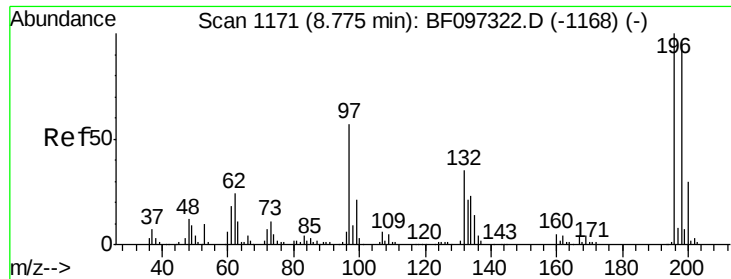
Tot Ion:330 Resp: 151288
 Ion Ratio Lower Upper
 330 100
 332 93.9 76.6 115.0
 141 41.0 31.4 47.2



#42
 2,4,6-Trichlorophenol
 Concen: 47.64 ng
 RT: 8.704 min Scan# 1176
 Delta R.T. -0.000 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

Tgt Ion:196 Resp: 120106
 Ion Ratio Lower Upper
 196 100
 198 94.9 74.2 111.4
 200 30.8 24.0 36.0

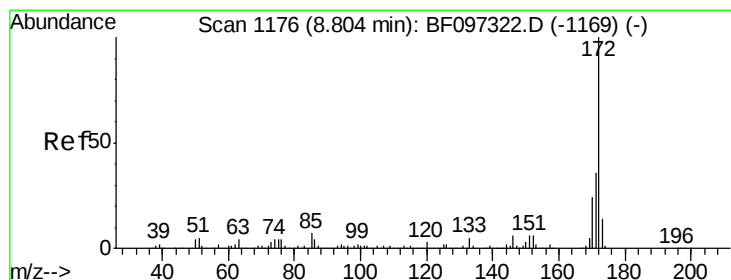
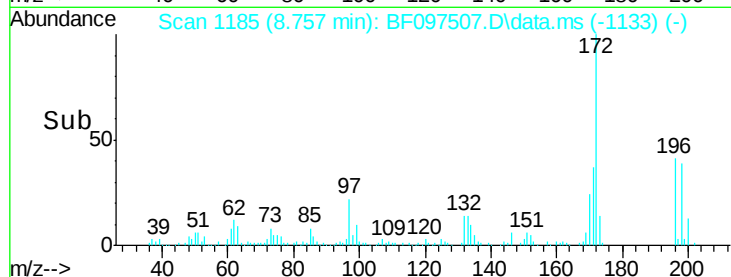
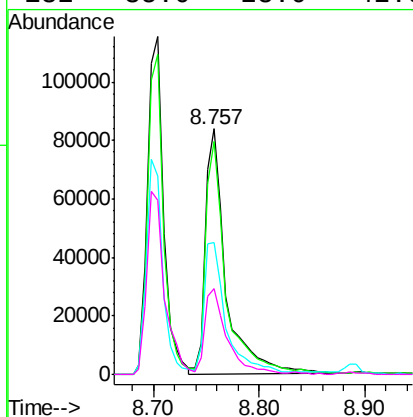
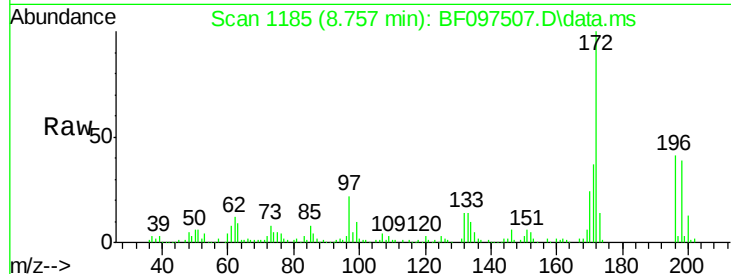




#43
 2,4,5-Trichlorophenol
 Concen: 44.57 ng
 RT: 8.757 min Scan# 1171
 Delta R.T. 0.006 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

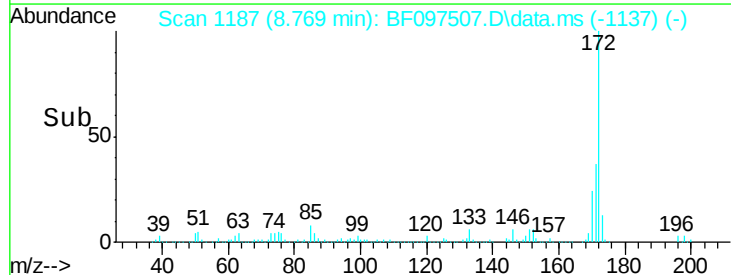
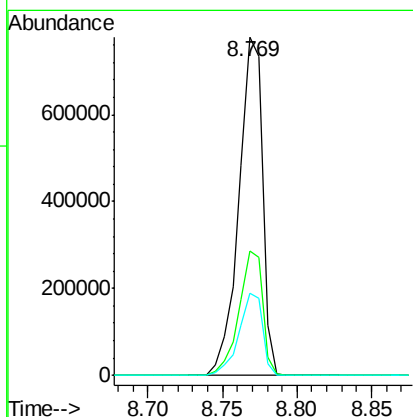
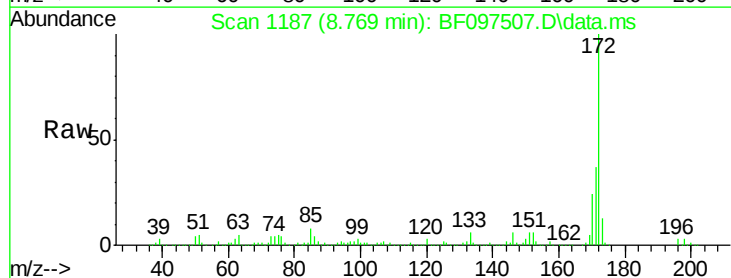
Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451MSD

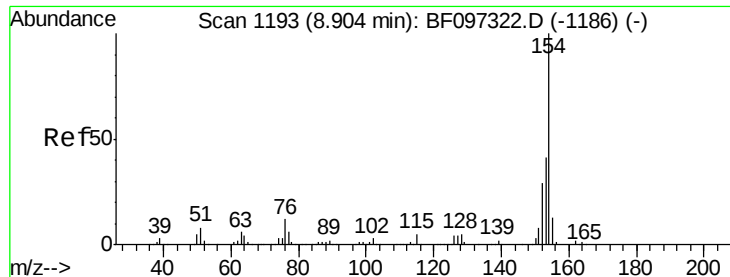
Tot Ion	196	Resp	112468
Ion Ratio	100	Lower	Upper
198	94.8	75.7	113.5
97	53.8	47.7	71.5
132	35.0	28.0	42.0



#44
 2-Fluorobiphenyl
 Concen: 111.99 ng
 RT: 8.769 min Scan# 1187
 Delta R.T. -0.006 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

Tgt Ion	172	Resp	860371
Ion Ratio	100	Lower	Upper
171	36.8	29.6	44.4
170	24.1	19.8	29.8

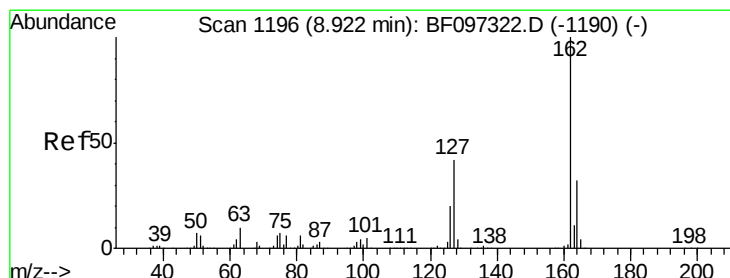
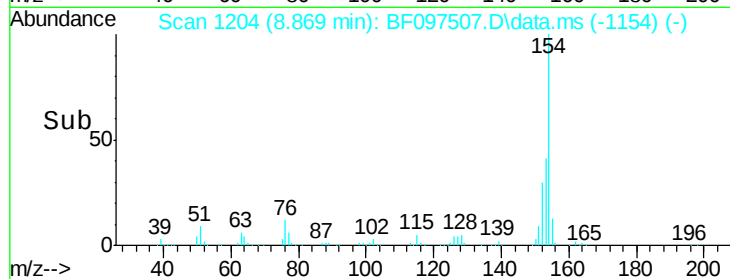
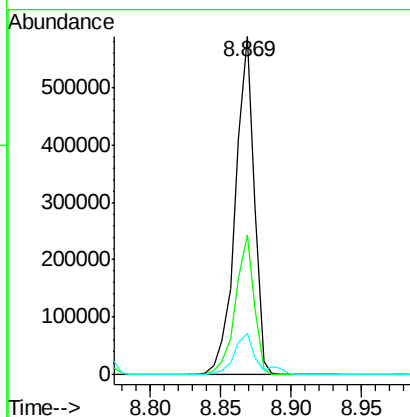
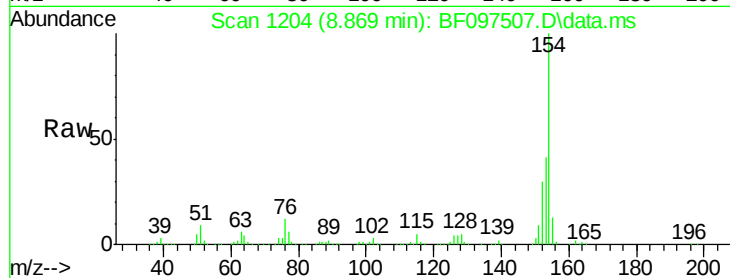




#45
 1,1'-Biphenyl
 Concen: 48.90 ng
 RT: 8.869 min Scan# 1204
 Delta R.T. -0.006 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

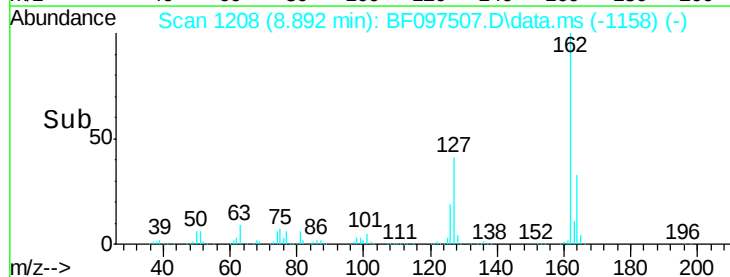
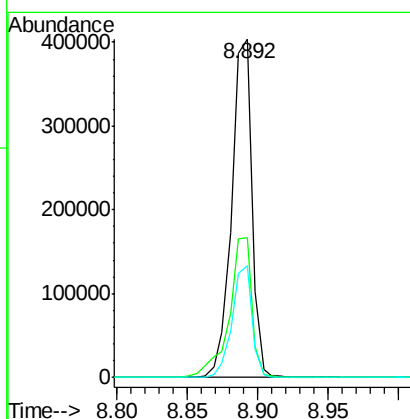
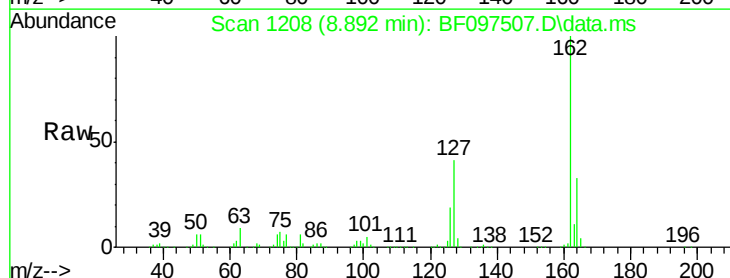
Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451MSD

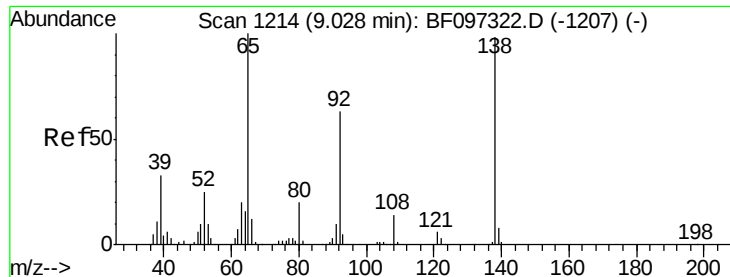
Tot Ion:154 Resp: 544543
 Ion Ratio Lower Upper
 154 100
 153 41.4 21.2 61.2
 76 12.0 0.0 29.9



#46
 2-Chloronaphthalene
 Concen: 49.51 ng
 RT: 8.892 min Scan# 1208
 Delta R.T. -0.006 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

Tgt Ion:162 Resp: 405782
 Ion Ratio Lower Upper
 162 100
 127 41.2 28.3 42.5
 164 32.9 27.0 40.4

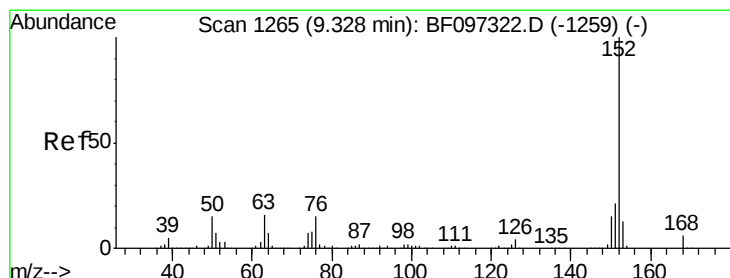
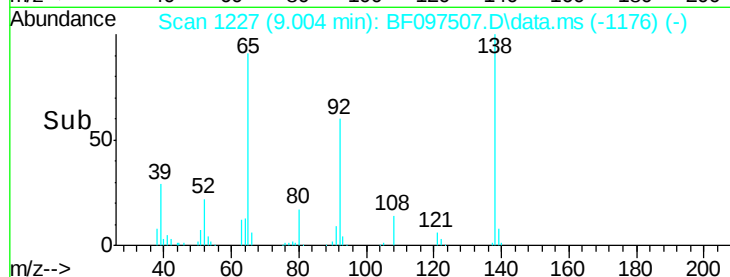
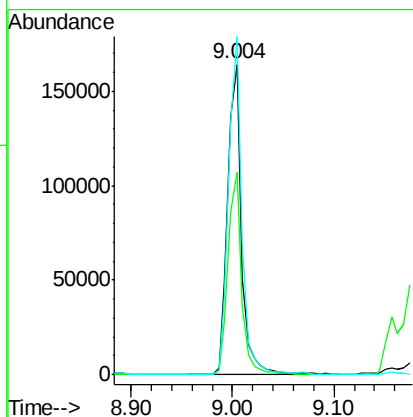
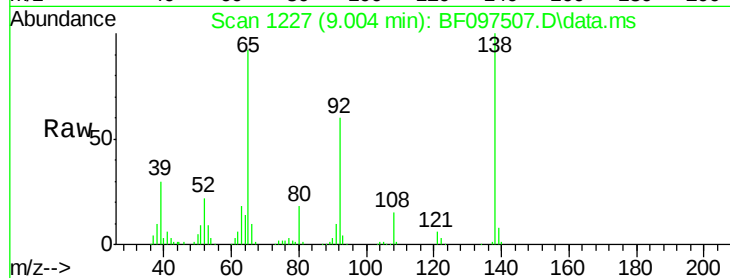




#47
2-Nitroaniline
Concen: 52.76 ng
RT: 9.004 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

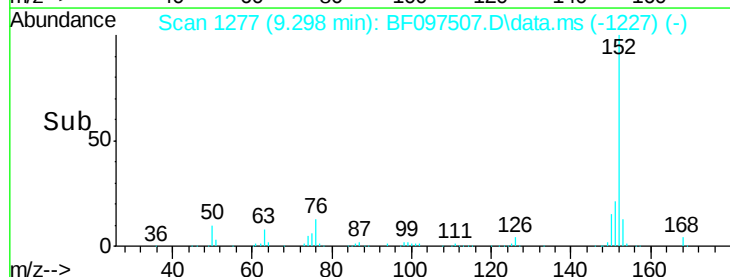
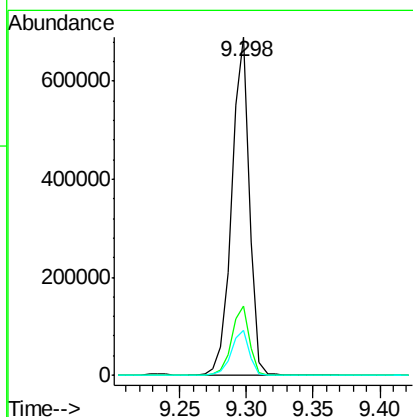
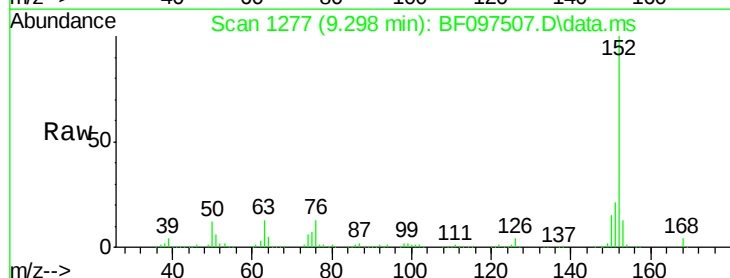
Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

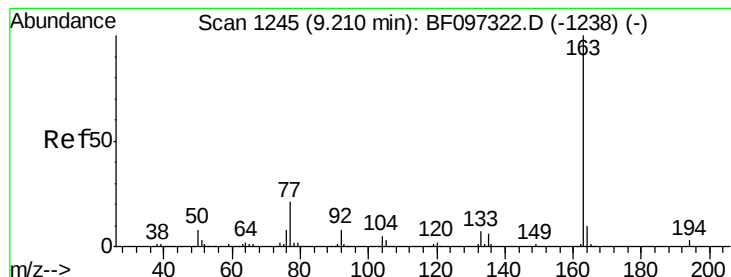
Tot Ion: 65 Resp: 156906
Ion Ratio Lower Upper
65 100
92 65.1 53.9 80.9
138 108.9 78.8 118.2



#48
Acenaphthylene
Concen: 51.45 ng
RT: 9.298 min Scan# 1277
Delta R.T. -0.006 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion: 152 Resp: 647185
Ion Ratio Lower Upper
152 100
151 20.6 16.8 25.2
153 13.5 10.8 16.2





#49

Dimethylphthalate

Concen: 55.08 ng

RT: 9.180 min Scan# 12

Delta R.T. -0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

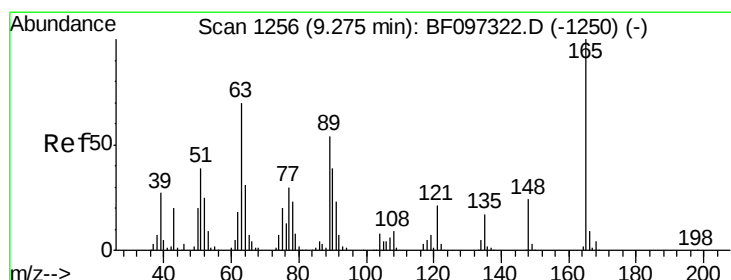
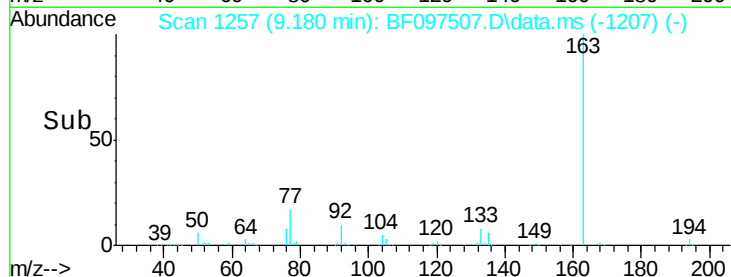
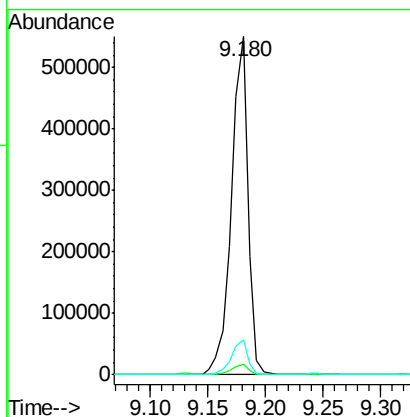
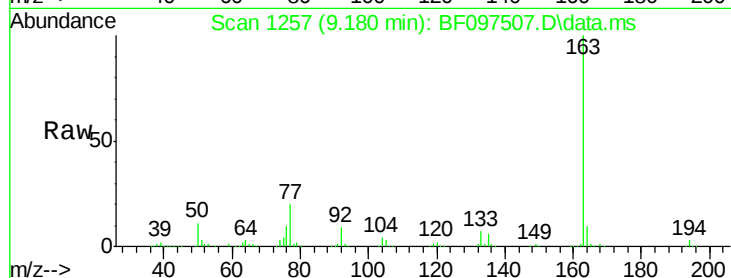
Tot Ion:163 Resp: 545355

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

164 10.1 8.4 12.6



#50

2,6-Dinitrotoluene

Concen: 49.08 ng

RT: 9.245 min Scan# 1268

Delta R.T. -0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

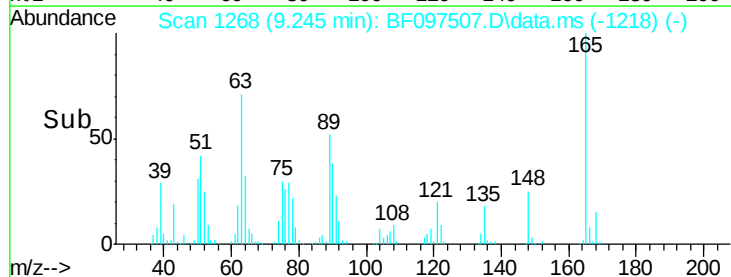
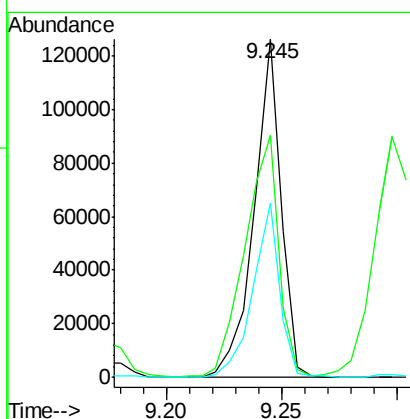
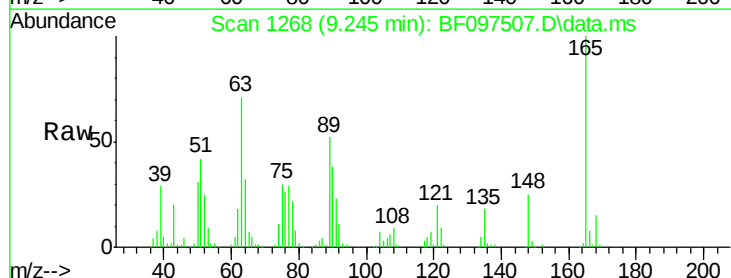
Tgt Ion:165 Resp: 103066

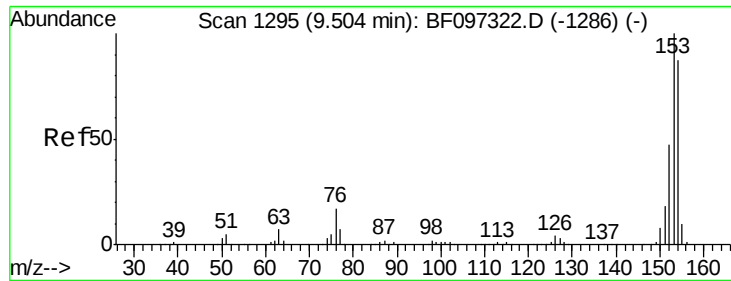
Ion Ratio Lower Upper

165 100

63 71.5 34.3 51.5#

89 51.5 37.1 55.7





#51

Acenaphthene

Concen: 47.56 ng

RT: 9.469 min Scan# 13

Delta R.T. -0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

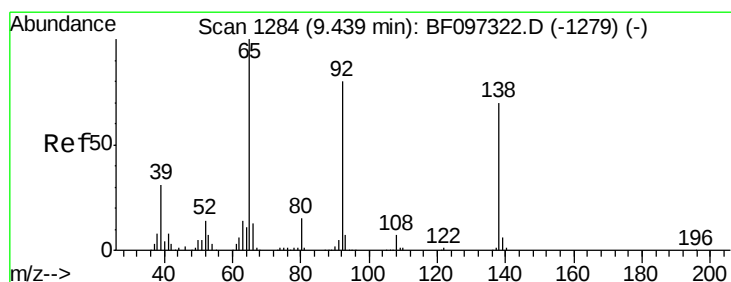
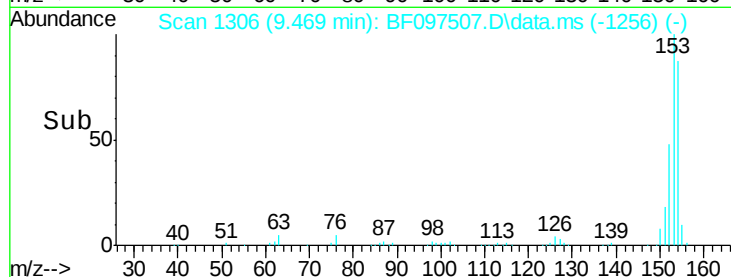
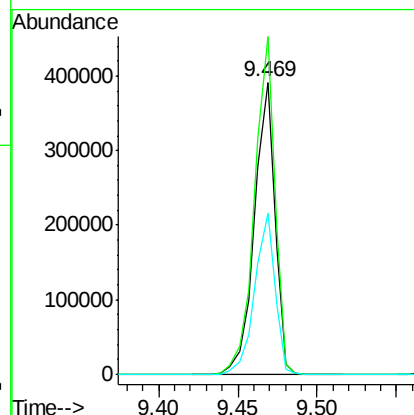
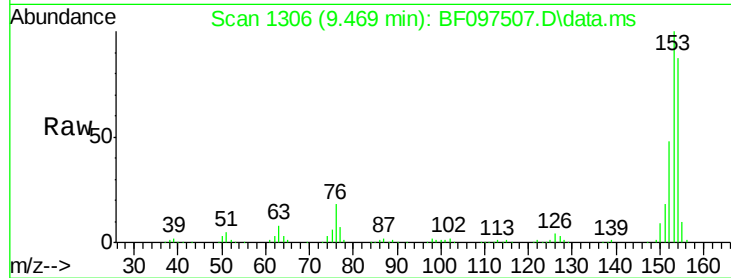
Tot Ion:154 Resp: 352391

Ion Ratio Lower Upper

154 100

153 115.6 90.5 135.7

152 55.4 43.6 65.4



#52

3-Nitroaniline

Concen: 34.12 ng

RT: 9.416 min Scan# 1297

Delta R.T. -0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

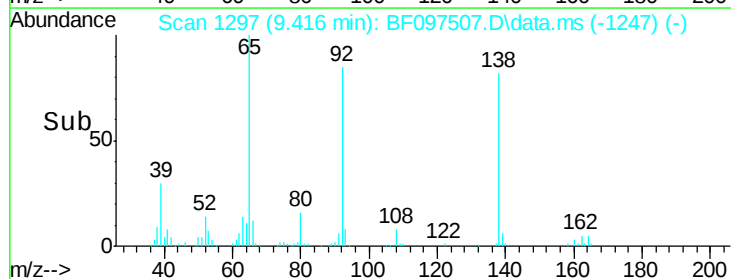
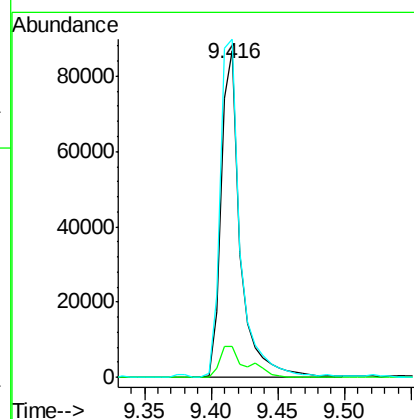
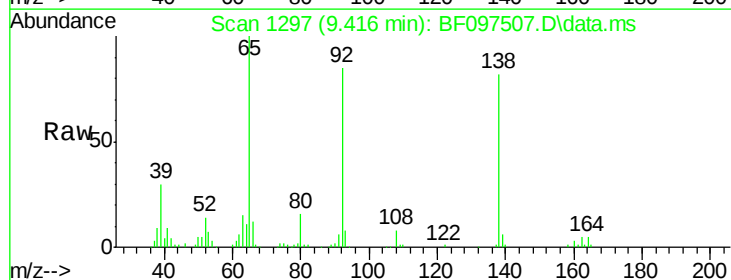
Tgt Ion:138 Resp: 88935

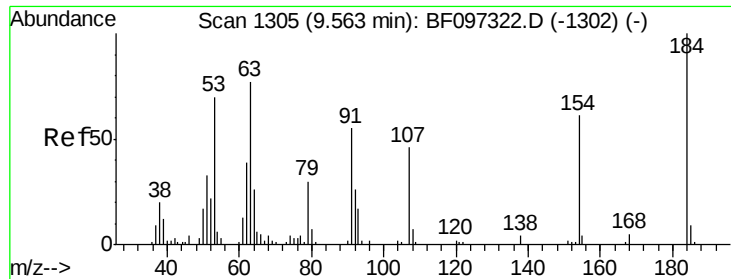
Ion Ratio Lower Upper

138 100

108 9.4 9.1 13.7

92 103.5 93.8 140.6





#53

2,4-Dinitrophenol

Concen: 8.66 ng

RT: 9.569 min Scan# 1305

Delta R.T. 0.024 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

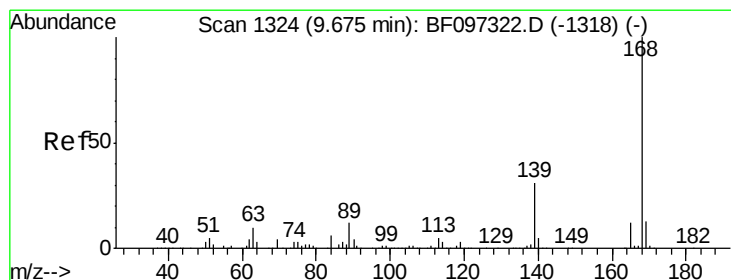
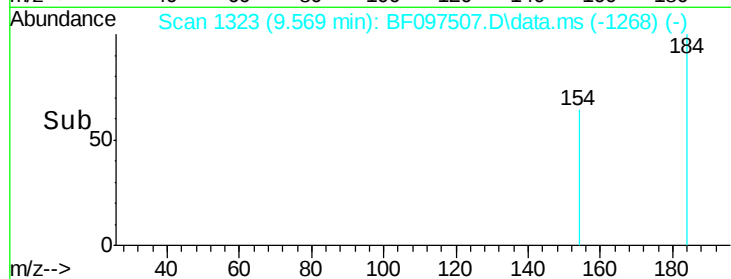
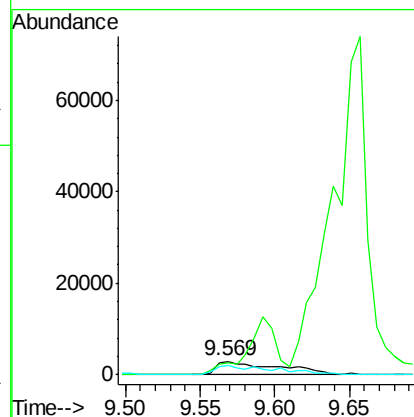
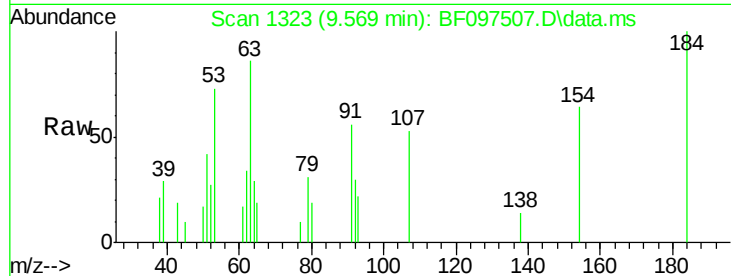
Tot Ion:184 Resp: 8268

Ion Ratio Lower Upper

184 100

63 85.9 62.7 94.1

154 64.4 81.1 121.7#



#54

Dibenzofuran

Concen: 53.10 ng

RT: 9.639 min Scan# 1335

Delta R.T. -0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

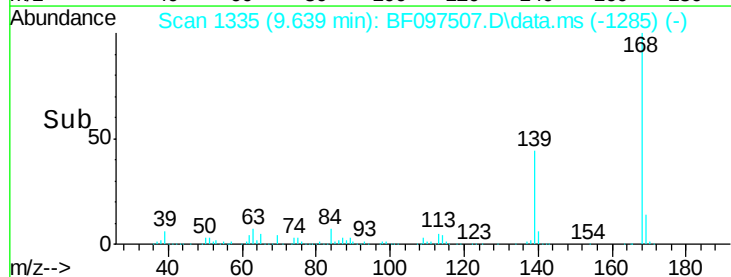
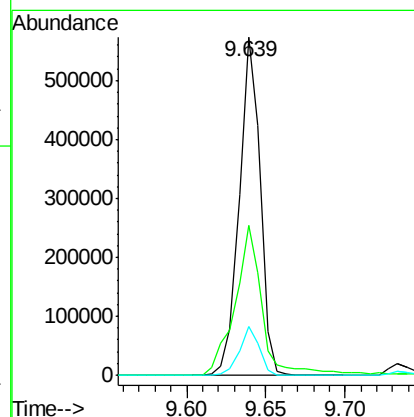
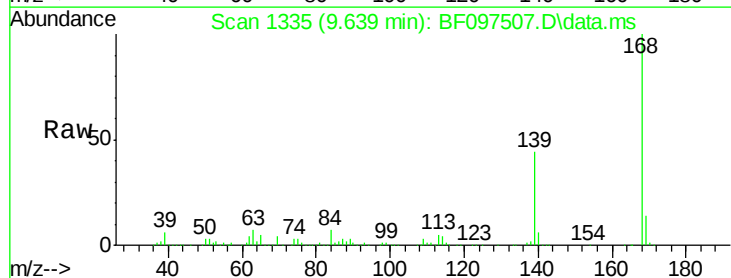
Tgt Ion:168 Resp: 524113

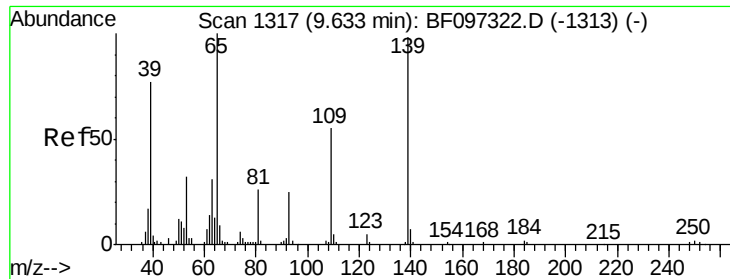
Ion Ratio Lower Upper

168 100

139 44.2 30.6 45.8

169 14.3 10.8 16.2





#55

4-Nitrophenol

Concen: 203.16 ng

RT: 9.639 min Scan# 1317

Delta R.T. 0.018 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

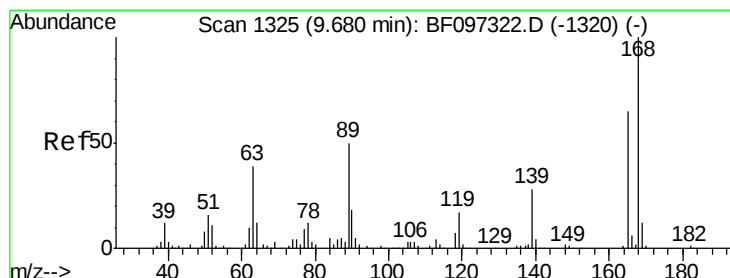
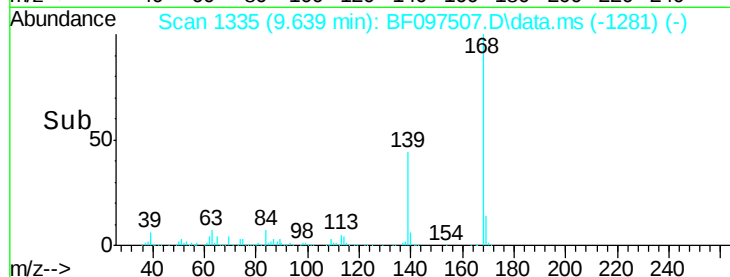
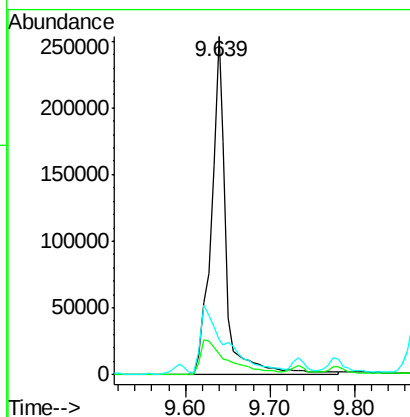
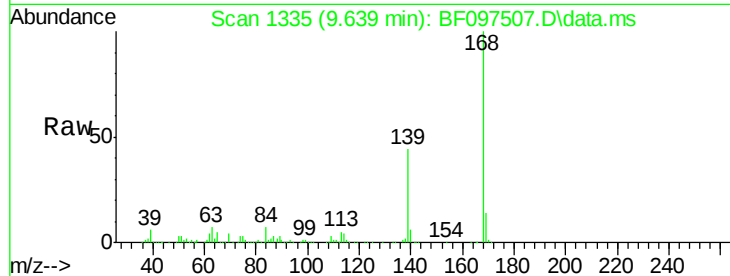
Tot Ion:139 Resp: 314916

Ion Ratio Lower Upper

139 100

109 6.0 34.1 74.1#

65 10.3 31.4 71.4#



#56

2,4-Dinitrotoluene

Concen: 51.95 ng

RT: 9.657 min Scan# 1338

Delta R.T. -0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Tgt Ion:165 Resp: 125415

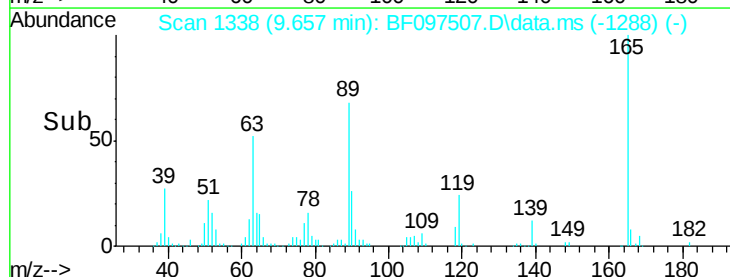
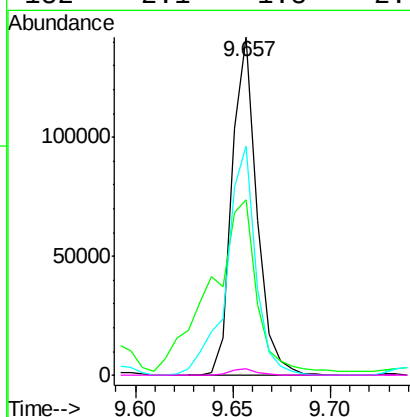
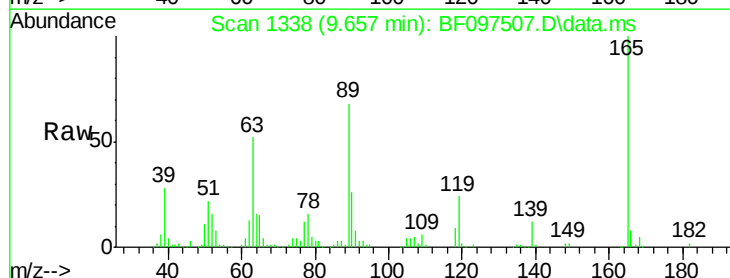
Ion Ratio Lower Upper

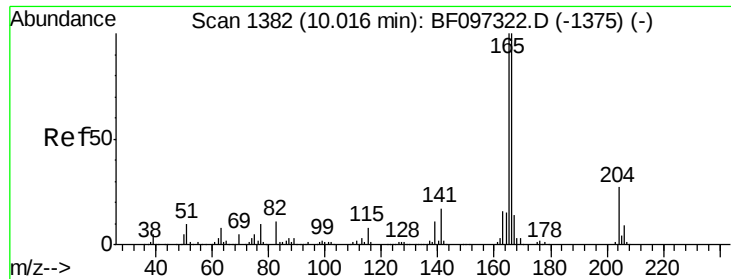
165 100

63 52.1 25.4 38.0#

89 67.8 46.4 69.6

182 2.1 1.8 2.6

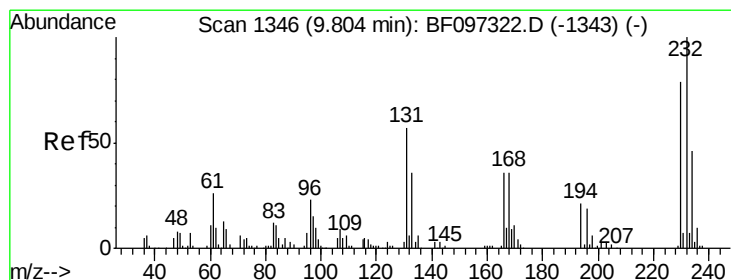
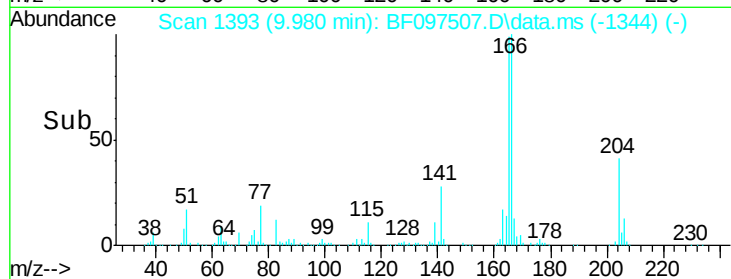
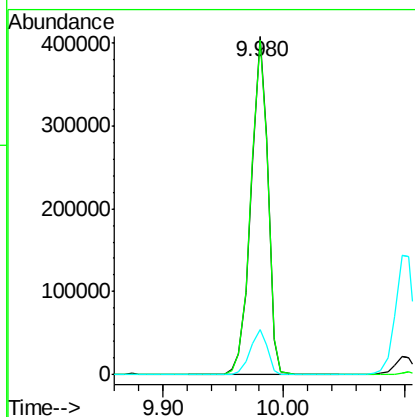
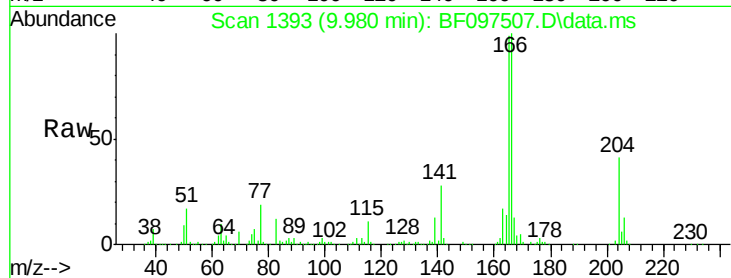




#57
Fluorene
 Concen: 53.87 ng
 RT: 9.980 min Scan# 1382
 Delta R.T. -0.012 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

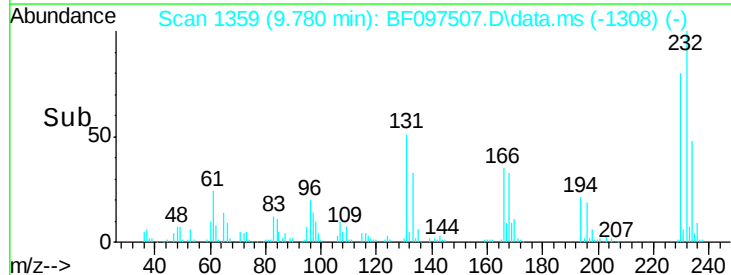
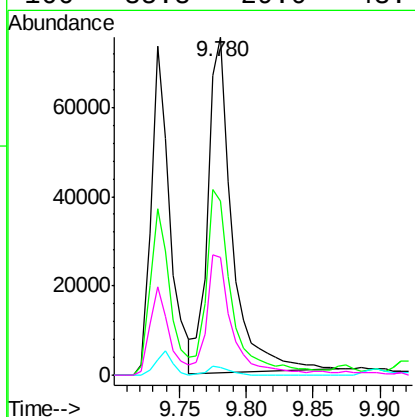
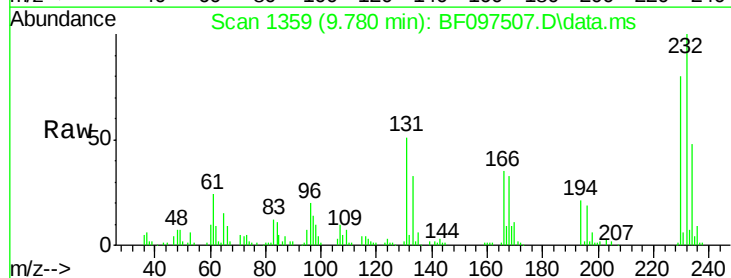
Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451MSD

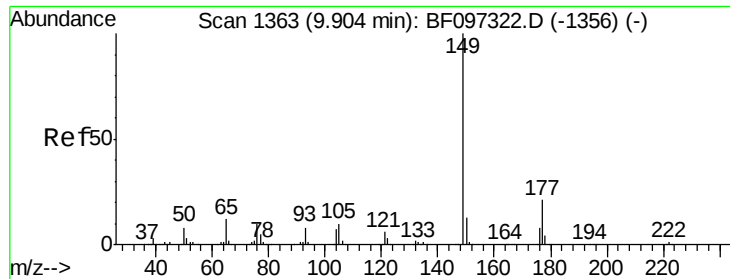
Tot Ion	Ratio	Lower	Upper
166	100		
165	99.0	78.8	118.2
167	13.4	10.6	16.0



#58
2,3,4,6-Tetrachlorophenol
 Concen: 55.43 ng
 RT: 9.780 min Scan# 1359
 Delta R.T. -0.000 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Lower	Upper
232	100		
131	54.2	44.8	67.2
130	2.6	2.3	3.5
166	35.8	29.0	43.4

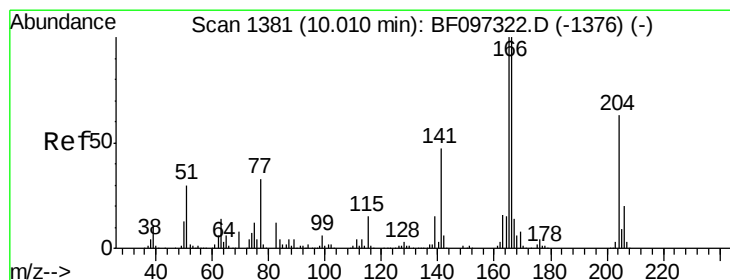
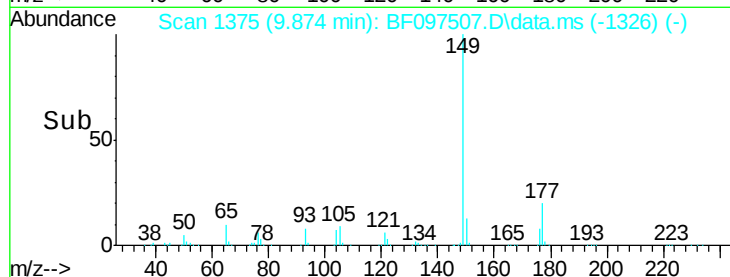
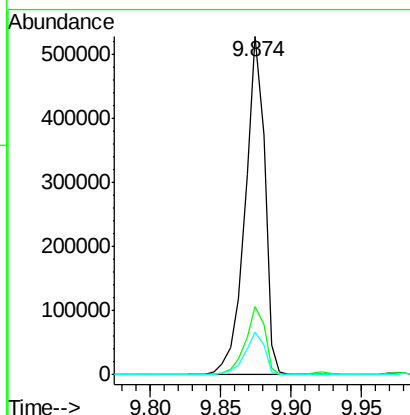
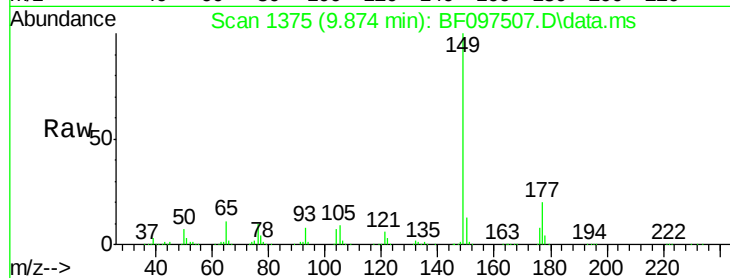




#59
Diethylphthalate
Concen: 56.28 ng
RT: 9.874 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

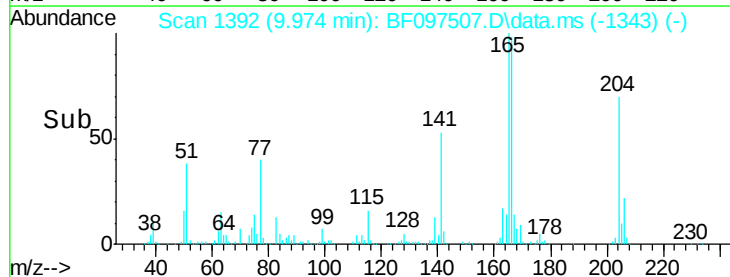
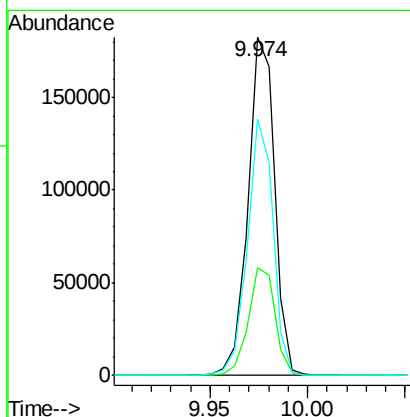
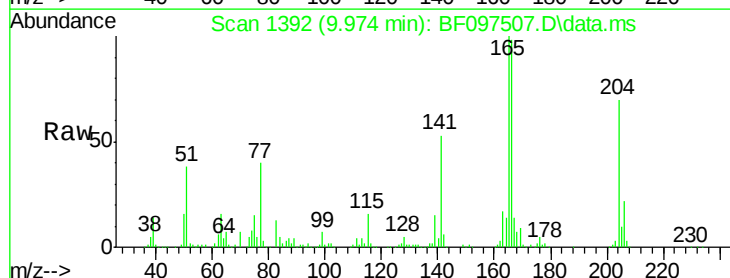
Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

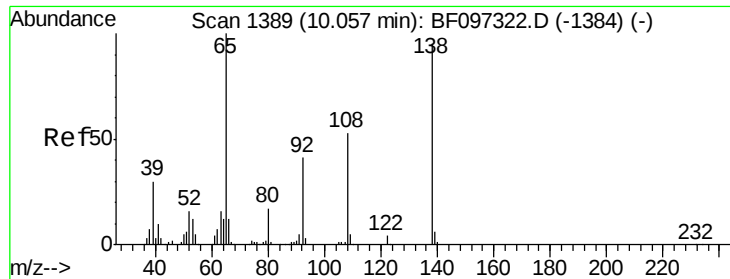
Tot Ion	Ratio	Lower	Upper
149	100		
177	20.0	16.7	25.1
150	12.7	10.2	15.2



#60
4-Chlorophenyl-phenylether
Concen: 56.29 ng
RT: 9.974 min Scan# 1392
Delta R.T. -0.012 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.0	26.2	39.2
141	75.7	60.8	91.2

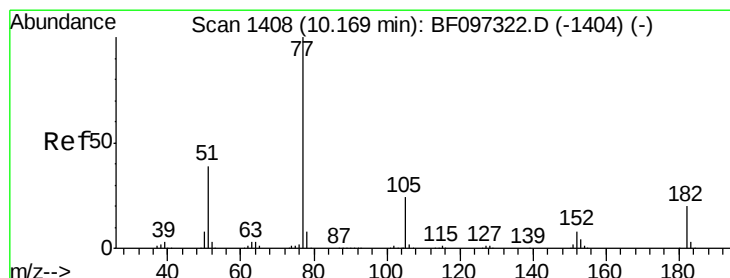
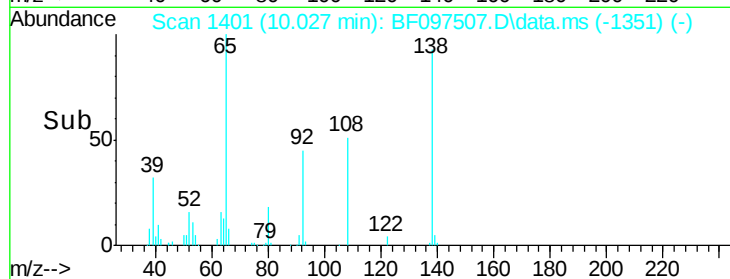
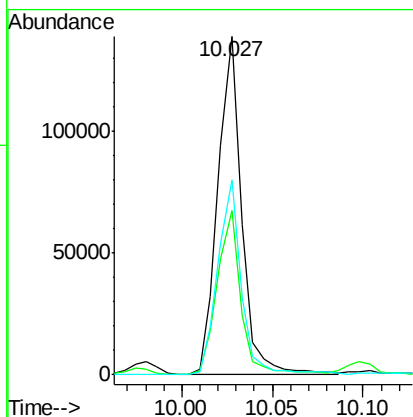
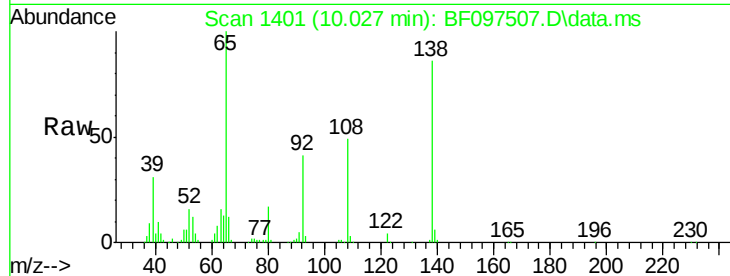




#61
4-Nitroaniline
Concen: 51.51 ng
RT: 10.027 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

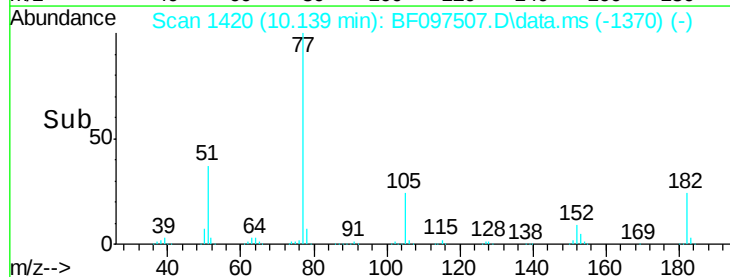
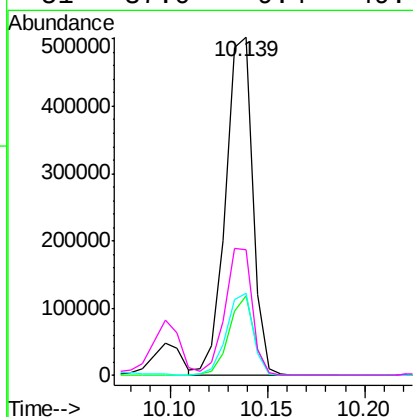
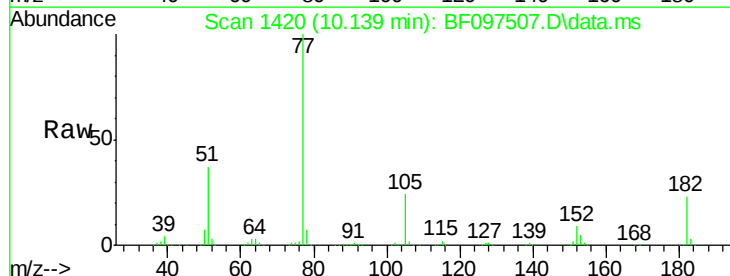
Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

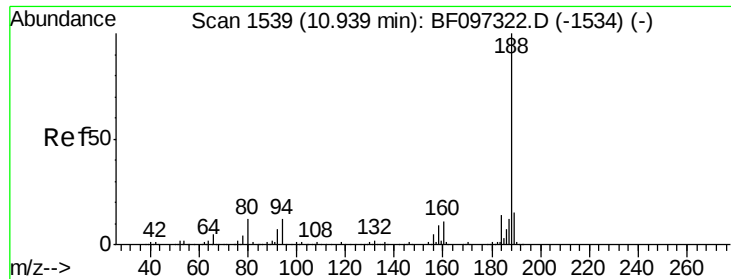
Tot Ion	Ratio	Lower	Upper
138	100		
92	48.4	21.8	61.8
108	57.6	42.3	82.3



#62
Azobenzene
Concen: 57.61 ng
RT: 10.139 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Lower	Upper
77	100		
182	23.5	0.1	40.1
105	24.5	3.6	43.6
51	37.0	9.4	49.4

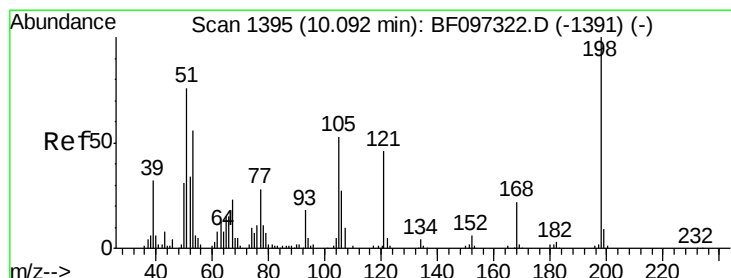
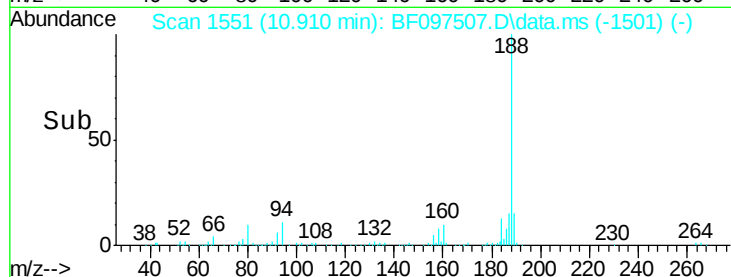
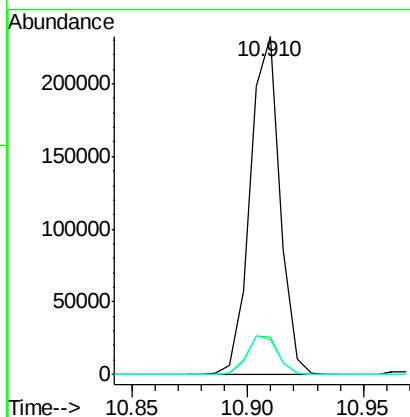
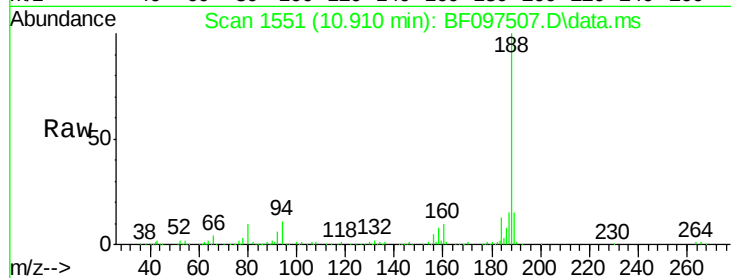




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.910 min Scan# 1539
Delta R.T. -0.006 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

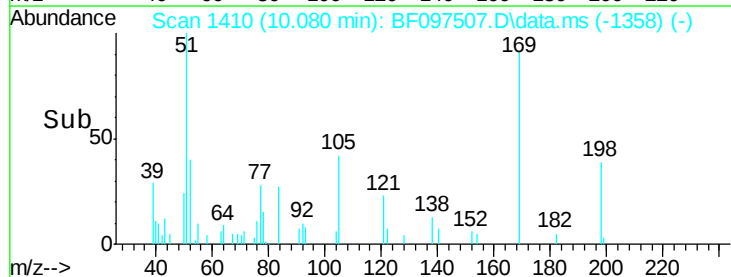
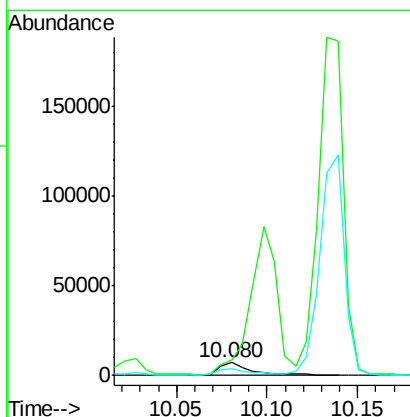
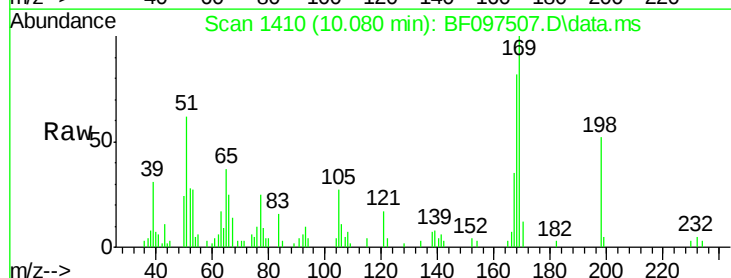
Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

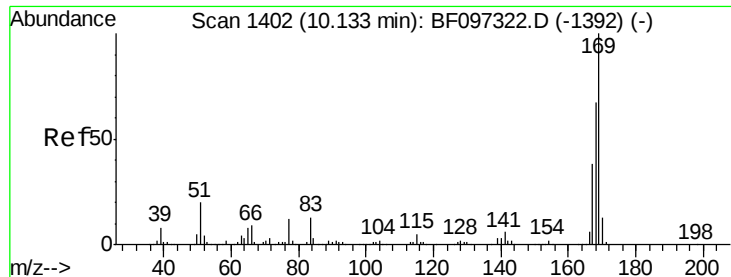
Tot Ion	Ratio	Lower	Upper
188	100		
94	10.9	9.4	14.2
80	10.5	10.2	15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 6.47 ng
RT: 10.080 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Lower	Upper
198	100		
51	120.3	53.2	93.2#
105	51.9	45.8	85.8

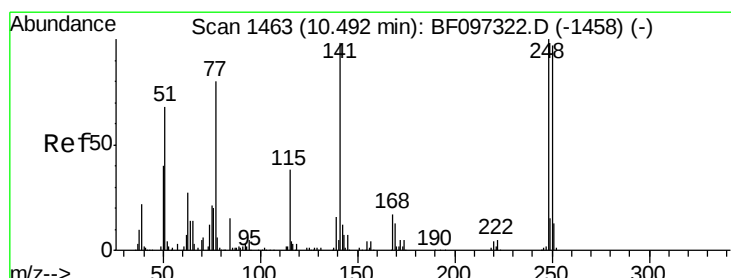
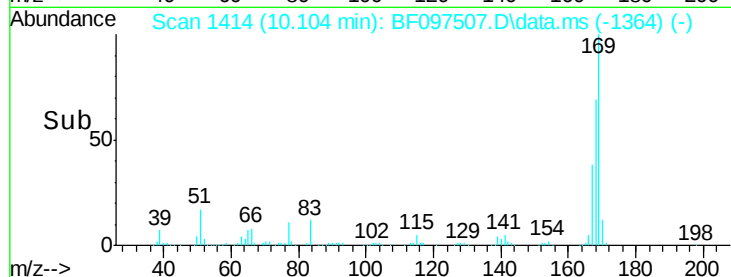
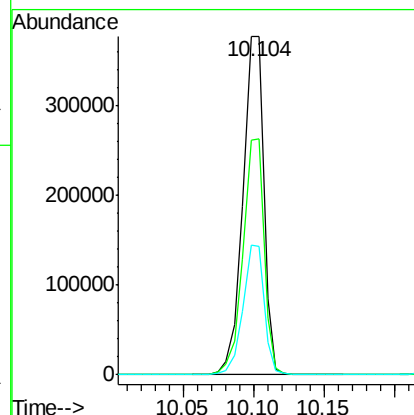
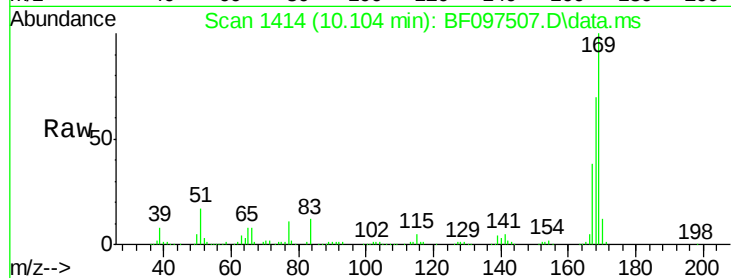




#65
n-Nitrosodiphenylamine
Concen: 53.56 ng
RT: 10.104 min Scan# 141
Delta R.T. -0.006 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

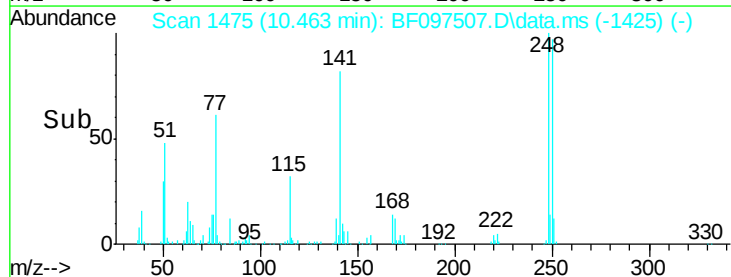
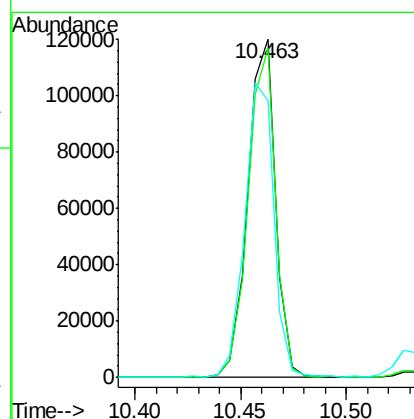
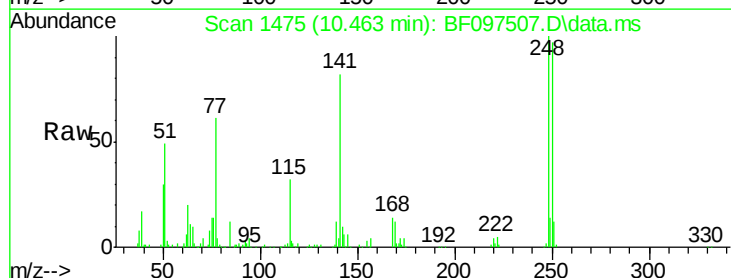
Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

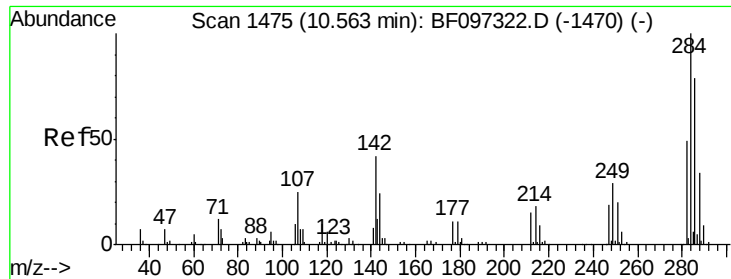
Tot Ion	Ratio	Resp	Lower	Upper
169	100	390159		
168	69.8		53.2	79.8
167	37.9		29.5	44.3



#66
4-Bromophenyl-phenylether
Concen: 52.21 ng
RT: 10.463 min Scan# 1475
Delta R.T. -0.006 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	109086		
250	97.2		76.8	115.2
141	81.7		68.6	103.0

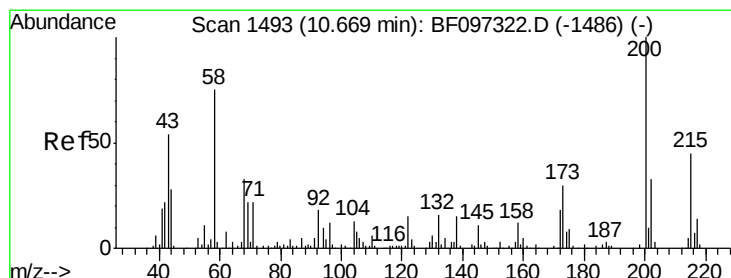
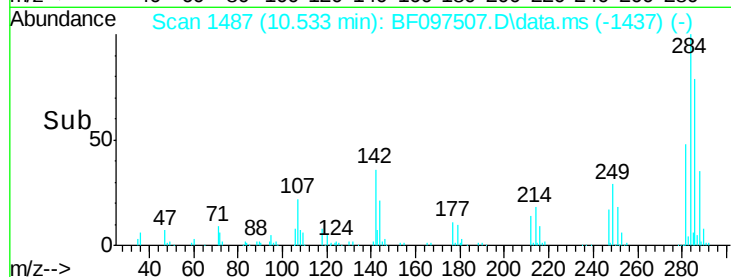
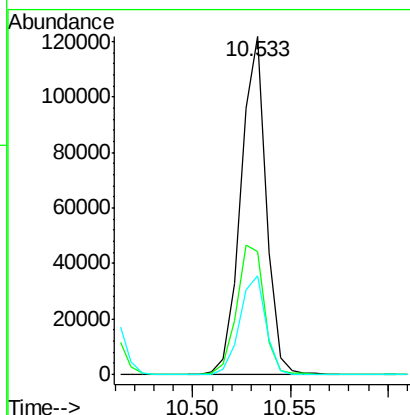
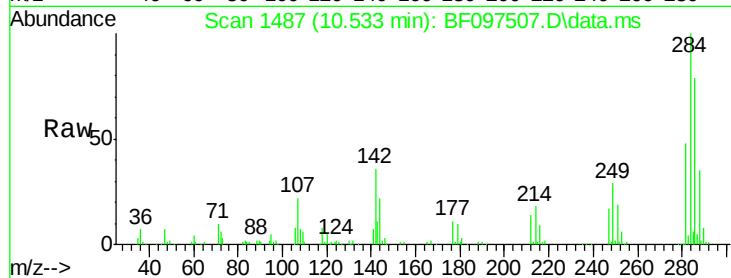




#67
Hexachlorobenzene
Concen: 46.61 ng
RT: 10.533 min Scan# 1475
Delta R.T. -0.006 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

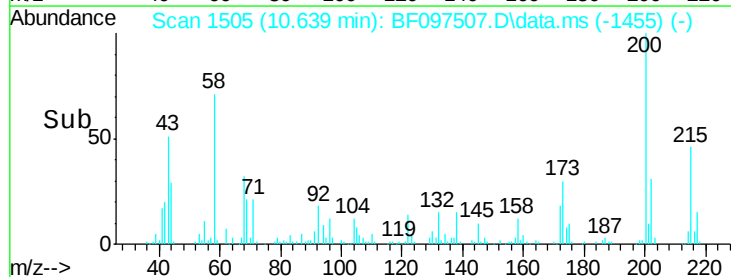
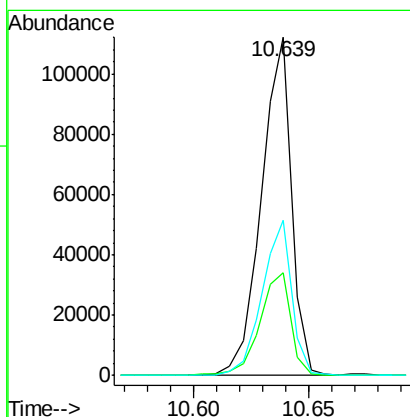
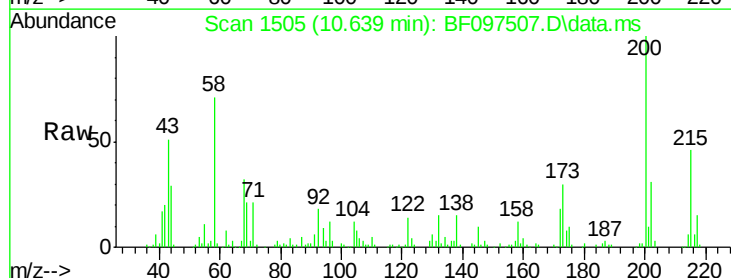
Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

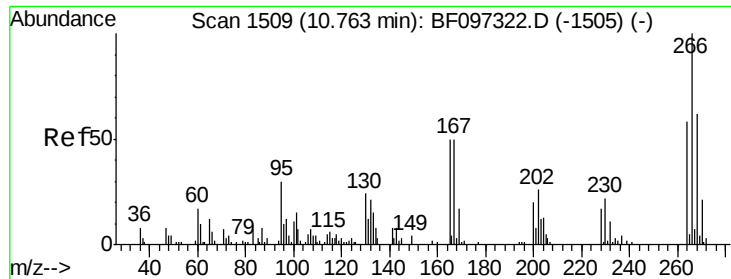
Tot Ion	Ratio	Lower	Upper
284	100		
142	36.3	22.8	34.2
249	29.2	24.0	36.0



#68
Atrazine
Concen: 48.68 ng
RT: 10.639 min Scan# 1505
Delta R.T. -0.006 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Lower	Upper
200	100		
173	30.2	6.3	46.3
215	45.8	27.2	67.2





#69

Pentachlorophenol

Concen: 73.50 ng

RT: 10.739 min Scan# 15

Delta R.T. -0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

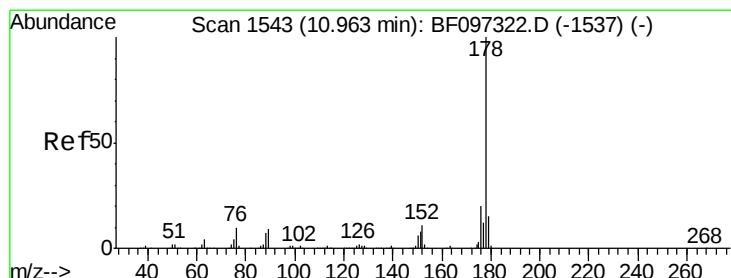
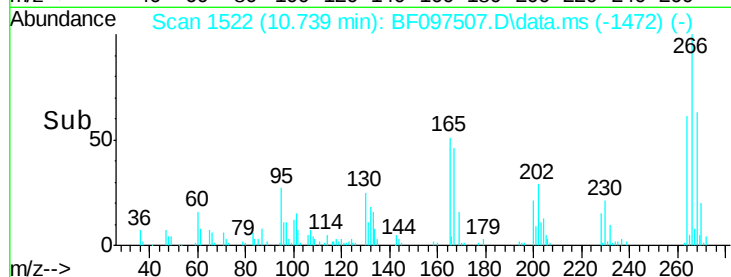
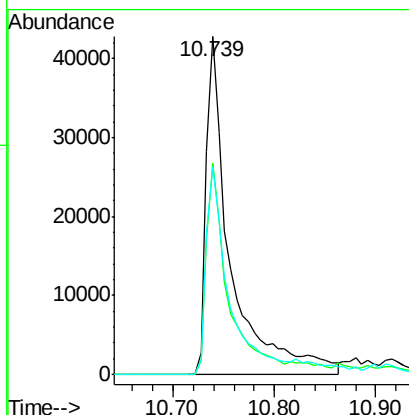
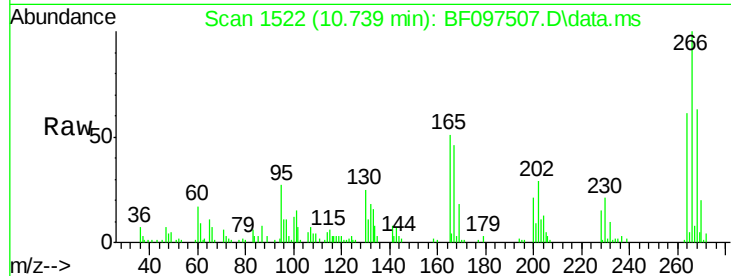
Tot Ion:266 Resp: 71256

Ion Ratio Lower Upper

266 100

268 62.7 51.1 76.7

264 61.3 51.7 77.5



#70

Phenanthrene

Concen: 49.78 ng

RT: 10.933 min Scan# 1555

Delta R.T. -0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

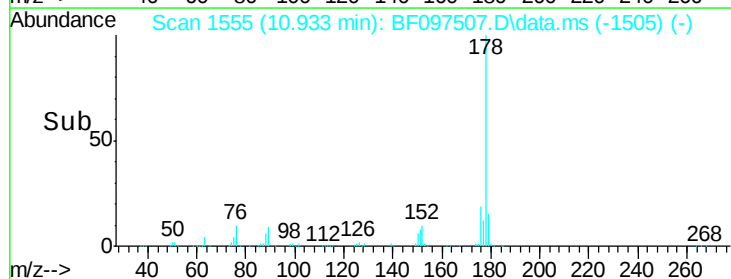
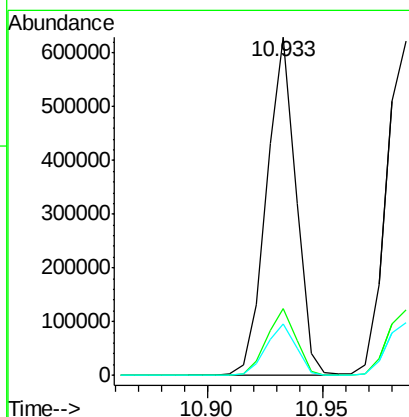
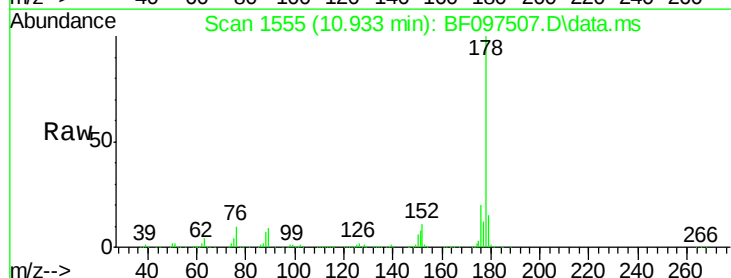
Tgt Ion:178 Resp: 558468

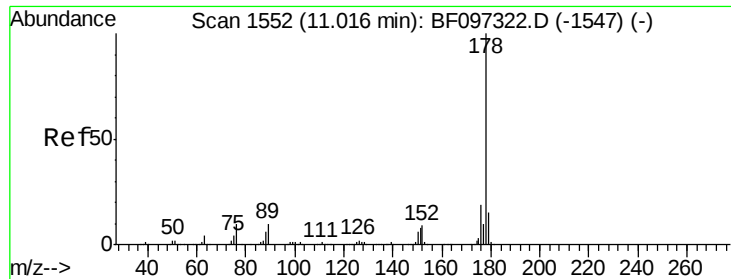
Ion Ratio Lower Upper

178 100

176 19.6 16.2 24.4

179 15.0 12.6 19.0

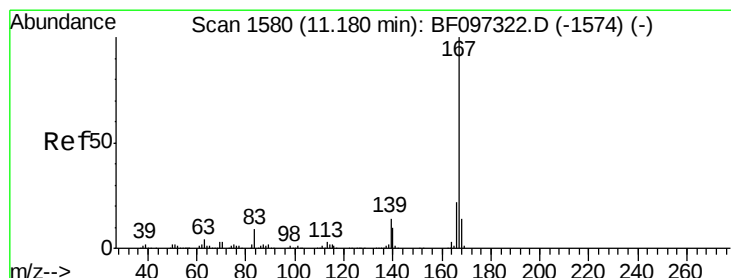
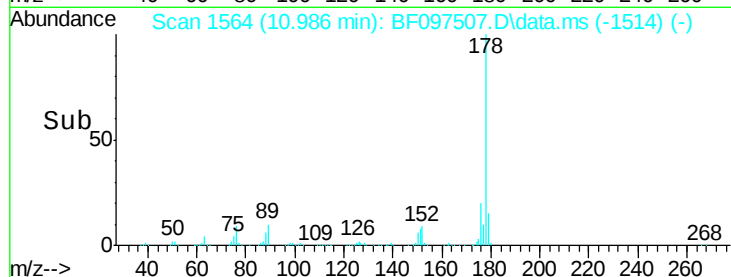
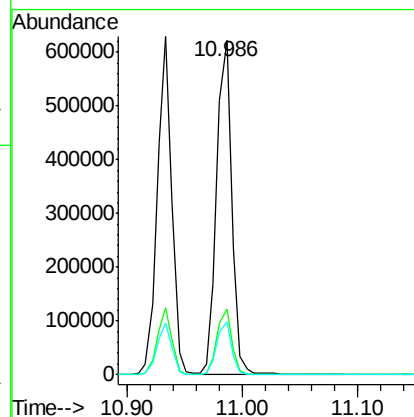
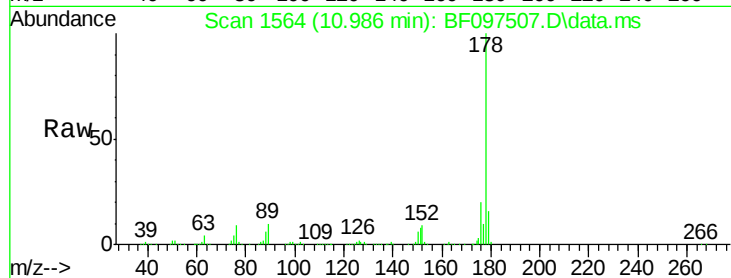




#71
 Anthracene
 Concen: 49.67 ng
 RT: 10.986 min Scan# 1552
 Delta R.T. -0.006 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

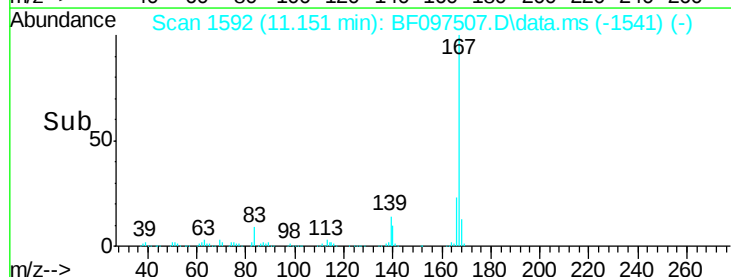
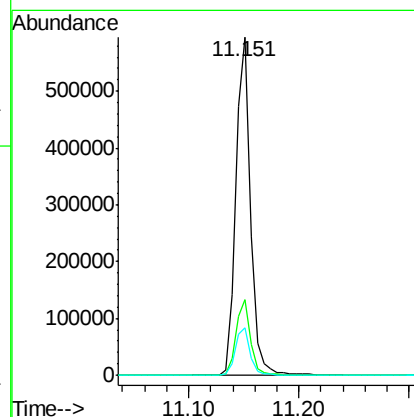
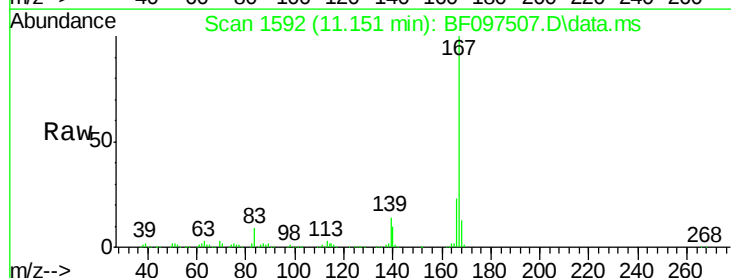
Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451MSD

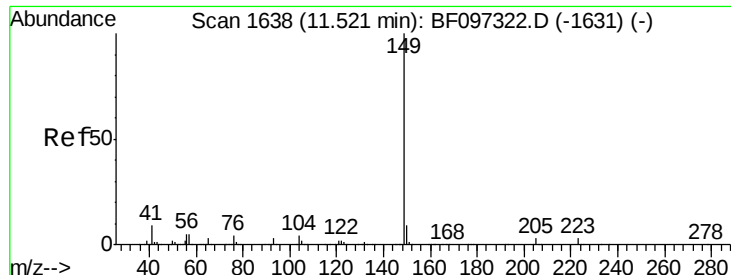
Tot Ion:178 Resp: 570631
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.8 23.8
 179 15.8 12.7 19.1



#72
 Carbazole
 Concen: 49.16 ng
 RT: 11.151 min Scan# 1592
 Delta R.T. -0.000 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

Tgt Ion:167 Resp: 555511
 Ion Ratio Lower Upper
 167 100
 166 22.6 18.1 27.1
 139 14.2 11.7 17.5

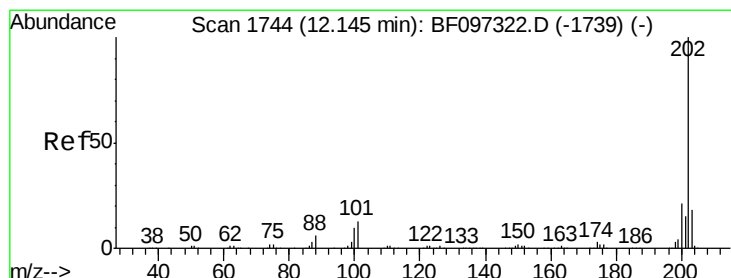
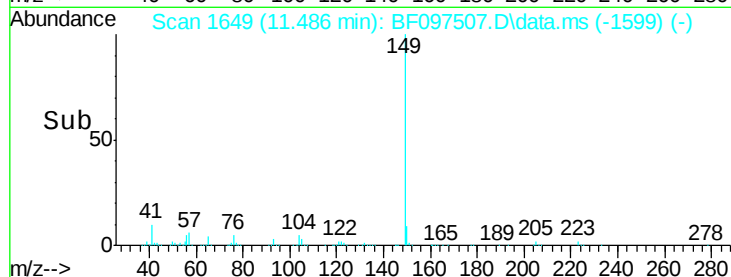
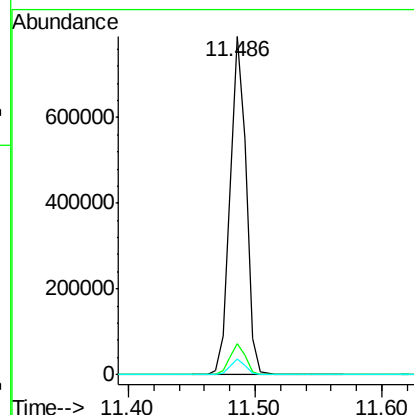
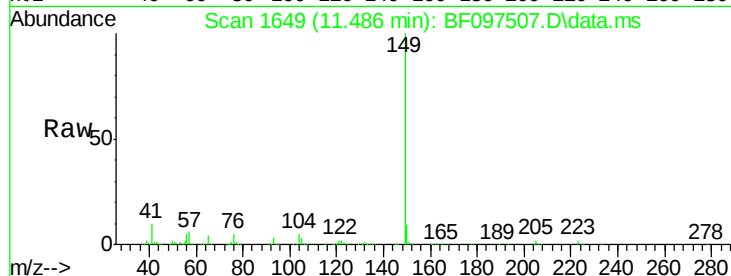




#73
Di-n-butylphthalate
Concen: 49.24 ng
RT: 11.486 min Scan# 16
Delta R.T. -0.006 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

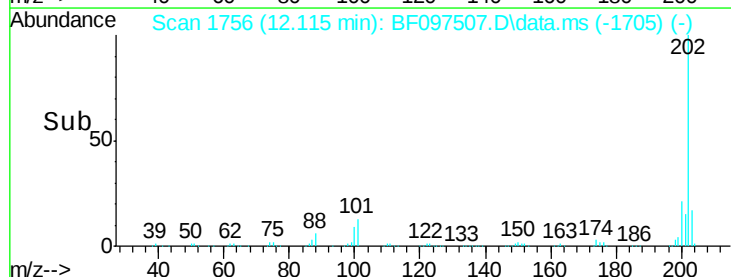
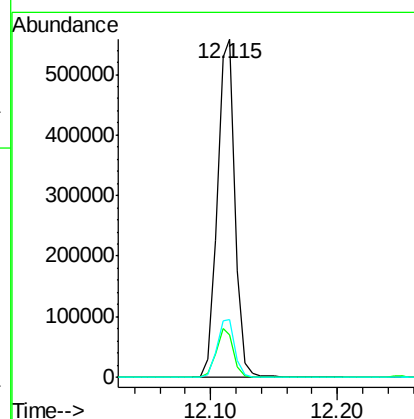
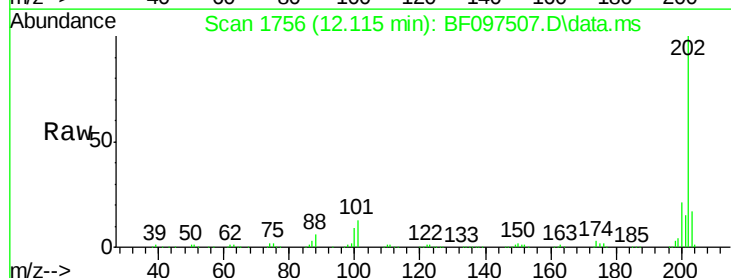
Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

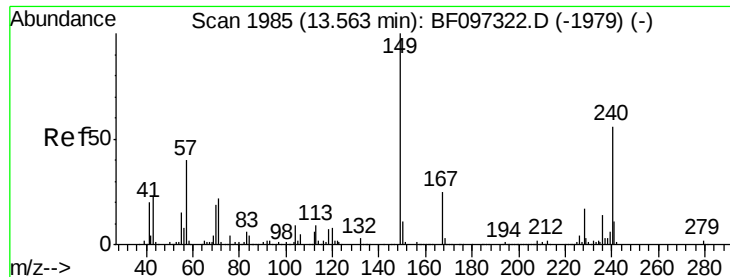
Tot Ion:149 Resp: 687810
Ion Ratio Lower Upper
149 100
150 9.2 7.7 11.5
104 4.6 4.0 6.0



#74
Fluoranthene
Concen: 50.10 ng
RT: 12.115 min Scan# 1756
Delta R.T. -0.000 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion:202 Resp: 550574
Ion Ratio Lower Upper
202 100
101 12.5 0.0 33.2
203 16.9 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: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

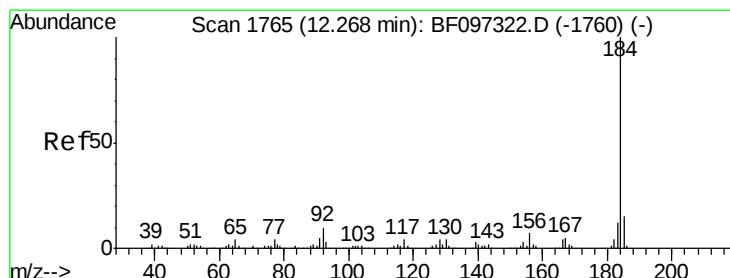
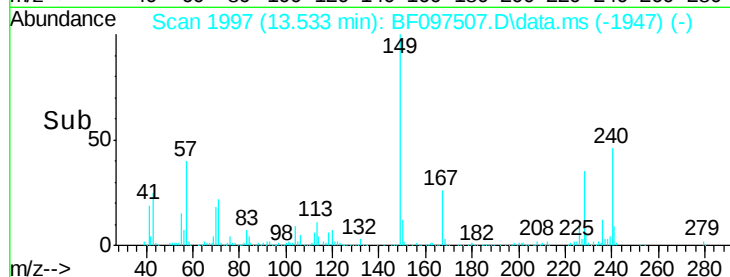
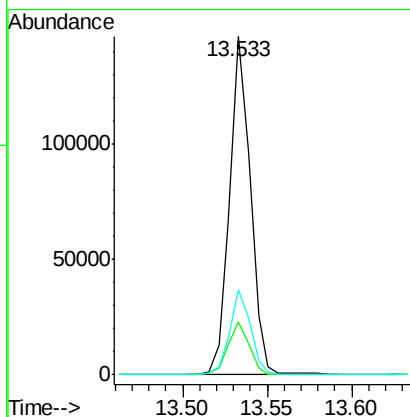
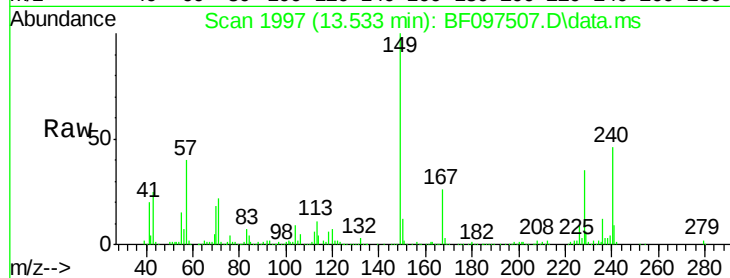
Tot Ion:240 Resp: 125457

Ion Ratio Lower Upper

240 100

120 15.5 5.8 8.8#

236 25.1 20.5 30.7



#76

Benzidine

Concen: 61.81 ng

RT: 12.251 min Scan# 1779

Delta R.T. 0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

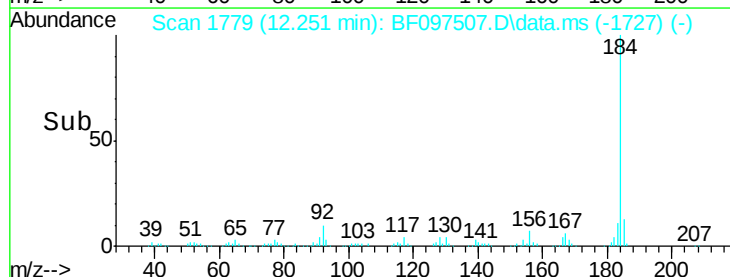
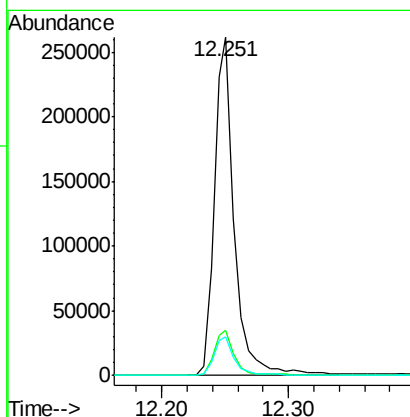
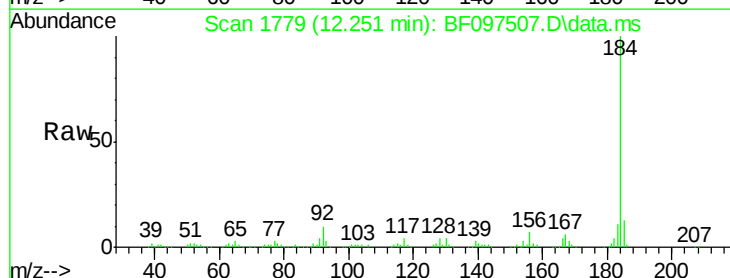
Tgt Ion:184 Resp: 287710

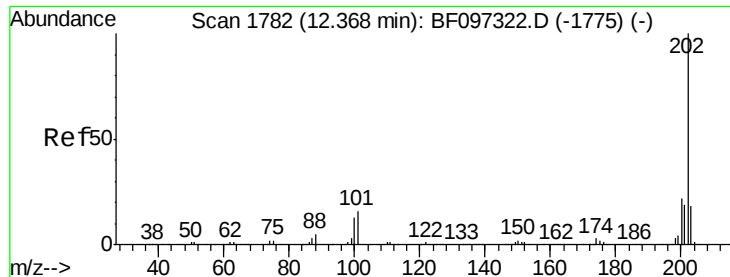
Ion Ratio Lower Upper

184 100

185 13.5 15.5 23.3#

183 11.5 9.8 14.6

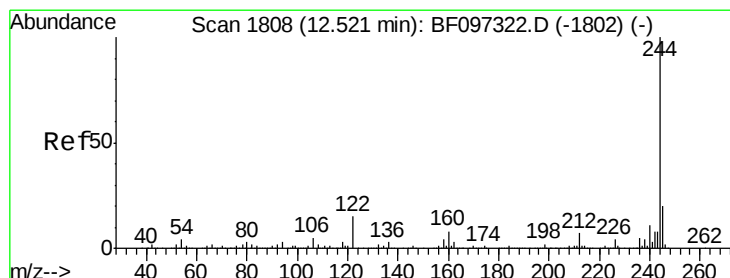
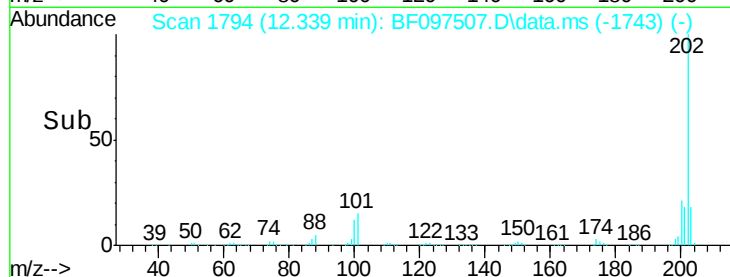
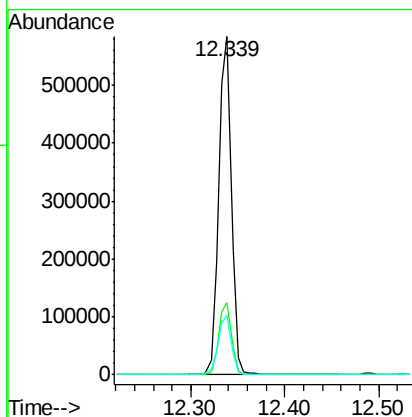
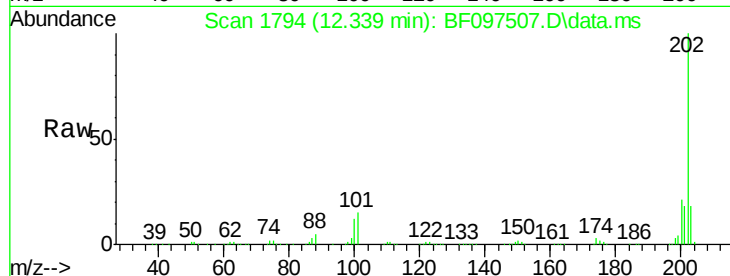




#77
Pvrene
Concen: 53.93 ng
RT: 12.339 min Scan# 17
Delta R.T. -0.000 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

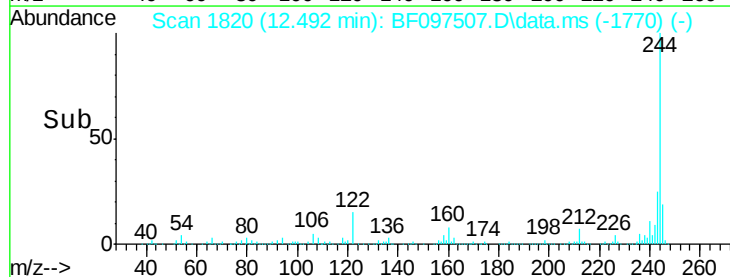
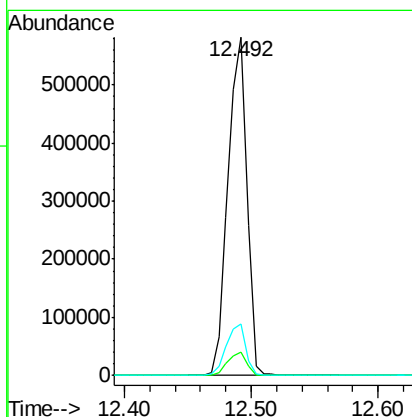
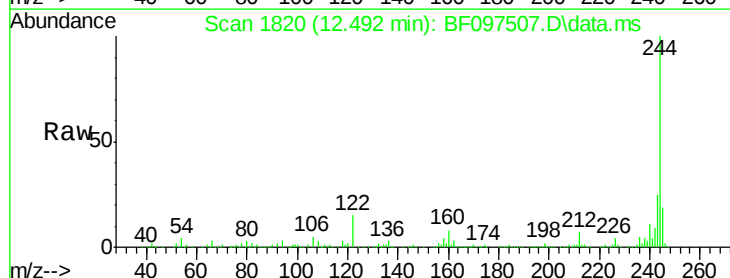
Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

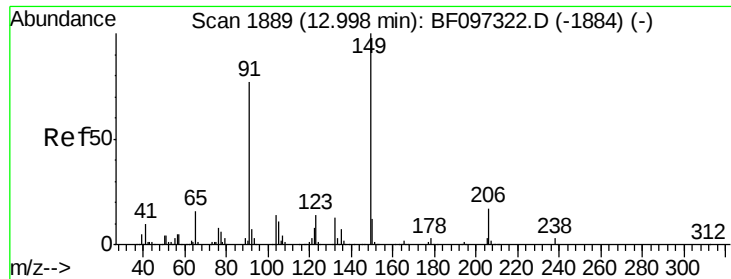
Tot Ion:202 Resp: 553936
Ion Ratio Lower Upper
202 100
200 21.2 17.6 26.4
203 17.5 14.4 21.6



#78
Terphenyl-d14
Concen: 97.75 ng
RT: 12.492 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion:244 Resp: 601513
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 15.2 10.3 15.5





#79

Butylbenzylphthalate

Concen: 50.15 ng

RT: 12.968 min Scan# 1901

Delta R.T. -0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

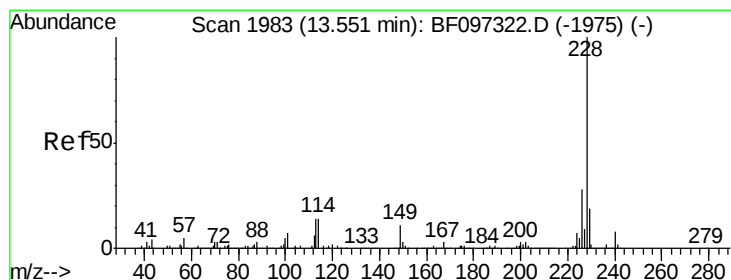
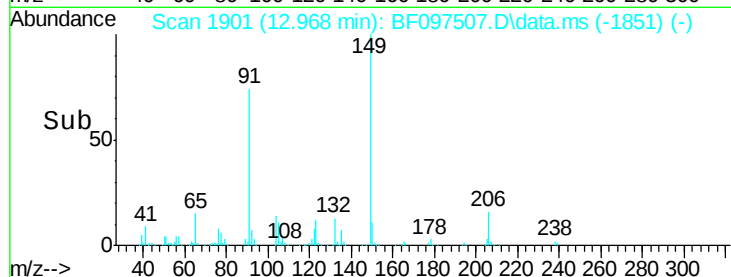
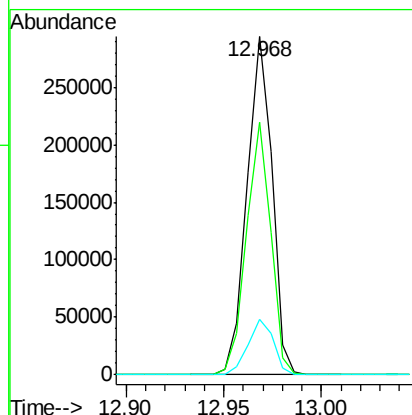
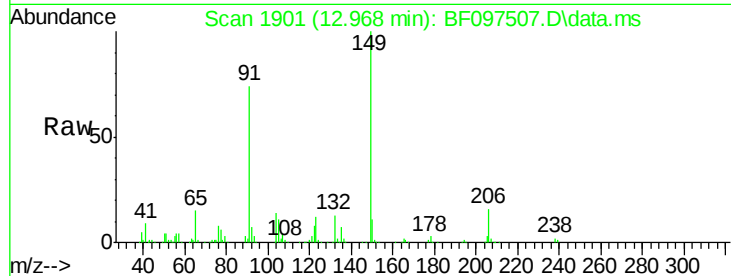
Tot Ion:149 Resp: 262018

Ion Ratio Lower Upper

149 100

91 74.5 45.0 67.4#

206 16.5 17.0 25.6#



#80

Benzo(a)anthracene

Concen: 46.97 ng

RT: 13.521 min Scan# 1995

Delta R.T. -0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

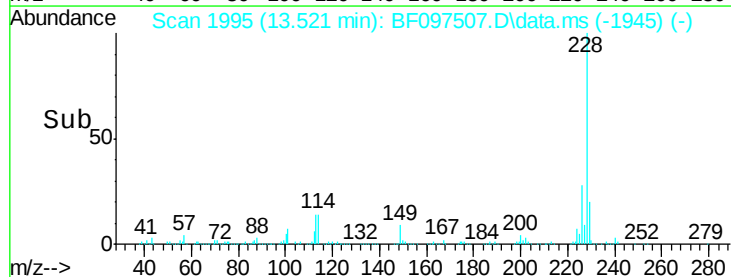
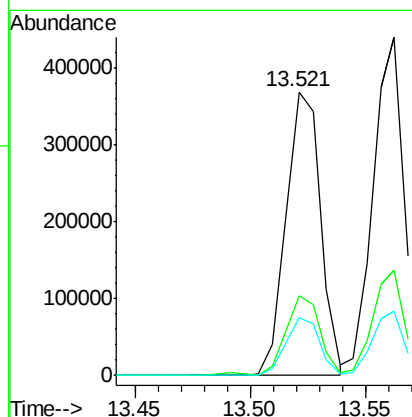
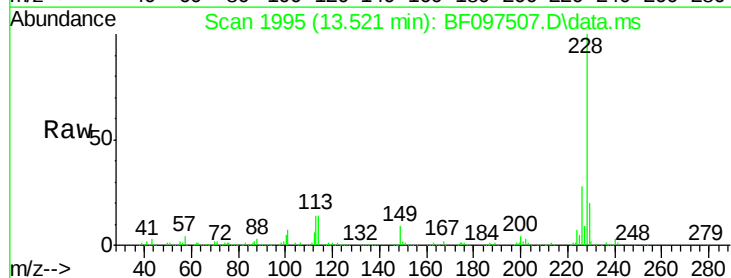
Tgt Ion:228 Resp: 381283

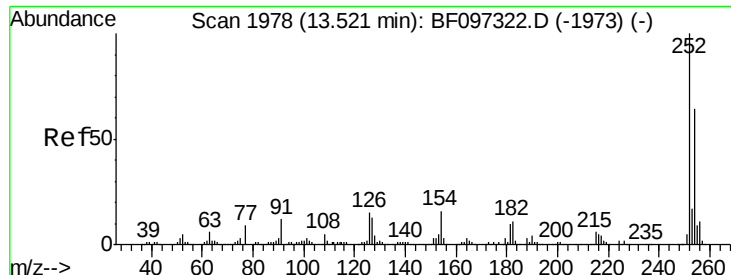
Ion Ratio Lower Upper

228 100

226 28.2 22.6 33.8

229 20.5 16.3 24.5

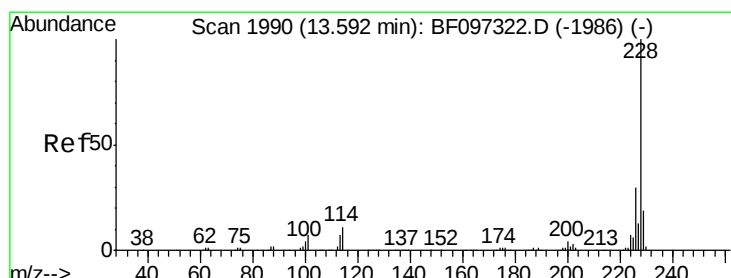
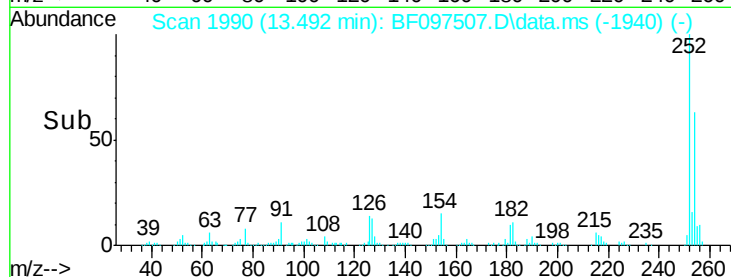
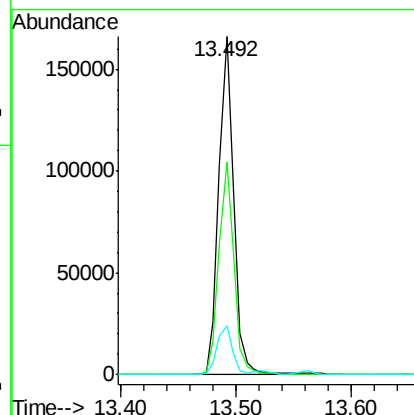
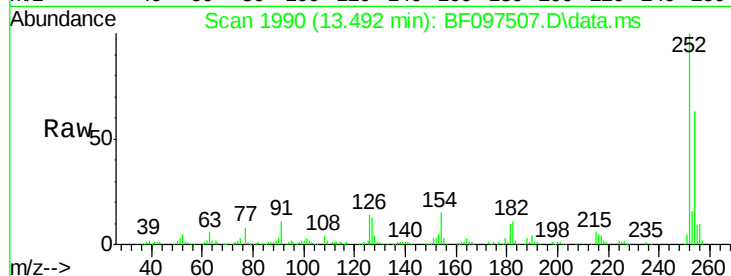




#81
 3,3'-Dichlorobenzidine
 Concen: 48.77 ng
 RT: 13.492 min Scan# 1978
 Delta R.T. -0.006 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

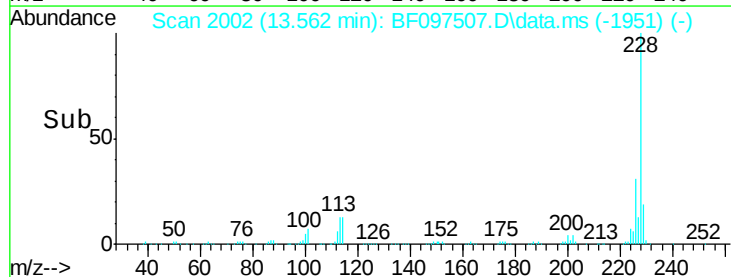
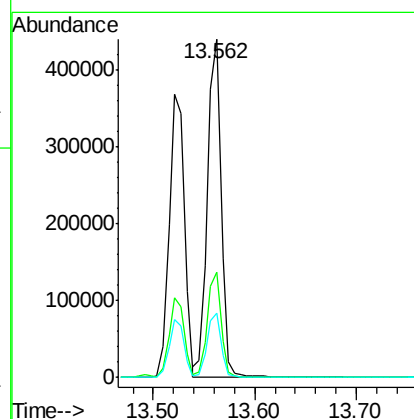
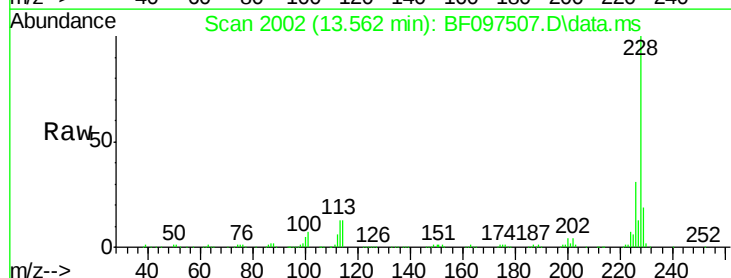
Instrument :
 BNA_F
 ClientSampleId :
 15-50-RT3460-RT4215-RT3451MSD

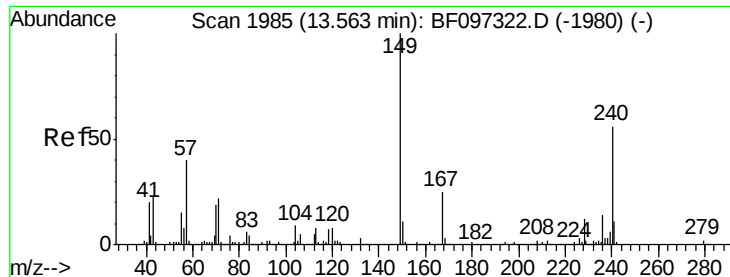
Tot Ion:252 Resp: 149288
 Ion Ratio Lower Upper
 252 100
 254 62.9 51.5 77.3
 126 14.5 15.8 23.8#



#82
 Chrysene
 Concen: 52.58 ng
 RT: 13.562 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: BF097507.D
 Acq: 9 Aug 2017 9:55

Tgt Ion:228 Resp: 416758
 Ion Ratio Lower Upper
 228 100
 226 31.2 24.9 37.3
 229 19.0 15.8 23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 48.49 ng

RT: 13.533 min Scan# 19

Delta R.T. -0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

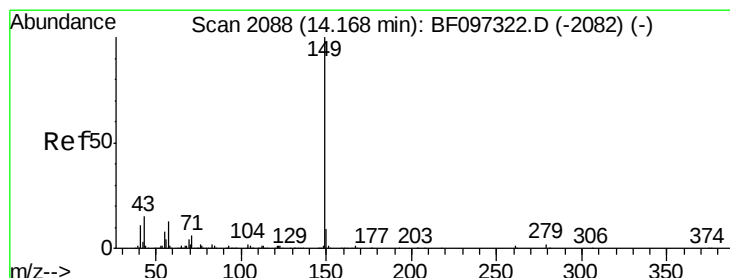
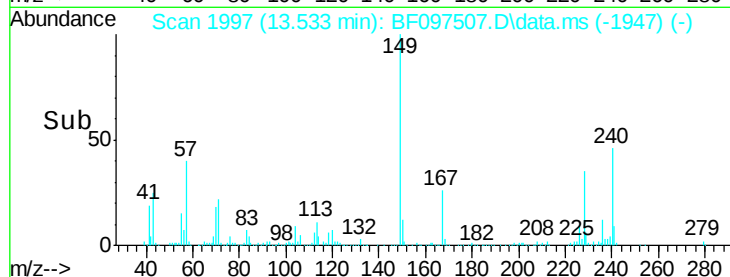
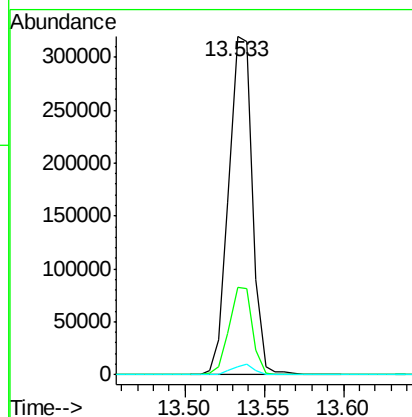
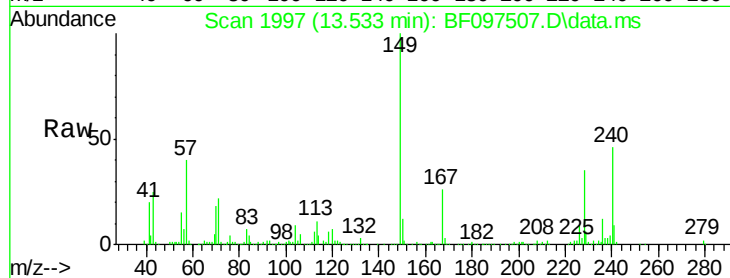
Tot Ion:149 Resp: 330748

Ion Ratio Lower Upper

149 100

167 25.7 21.0 31.4

279 2.3 1.9 2.9



#84

Di-n-octyl phthalate

Concen: 50.03 ng

RT: 14.139 min Scan# 2100

Delta R.T. -0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

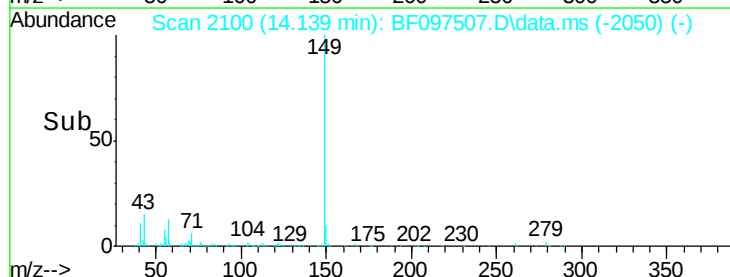
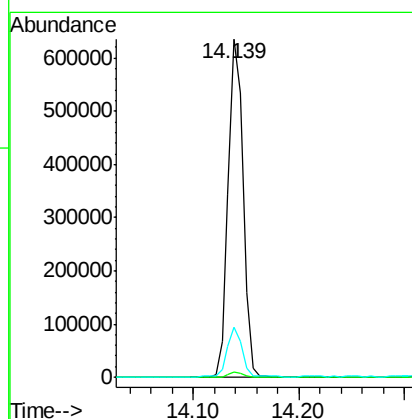
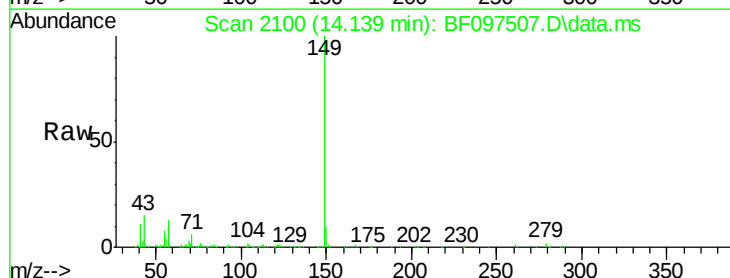
Tgt Ion:149 Resp: 626295

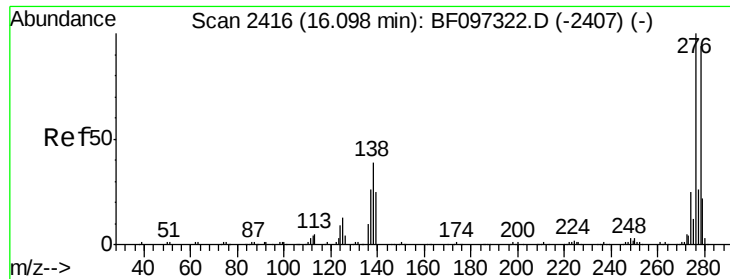
Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 14.4 8.5 12.7#

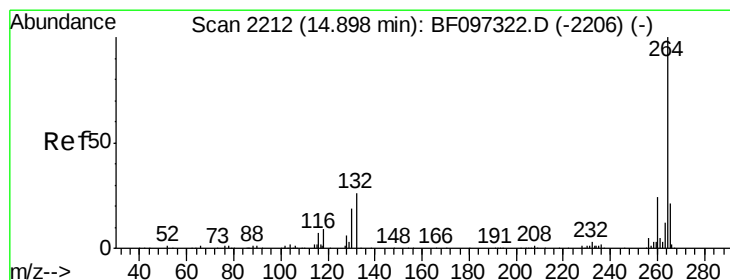
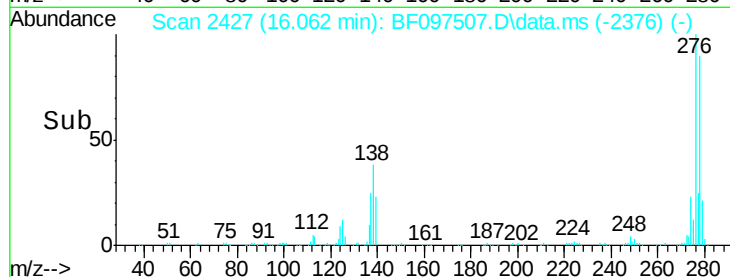
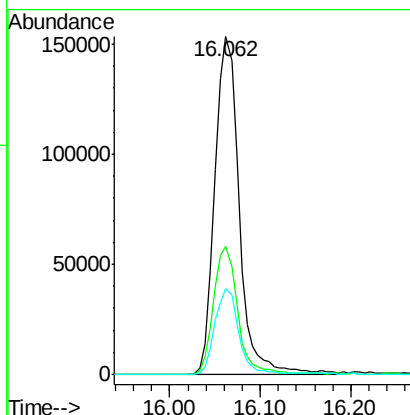
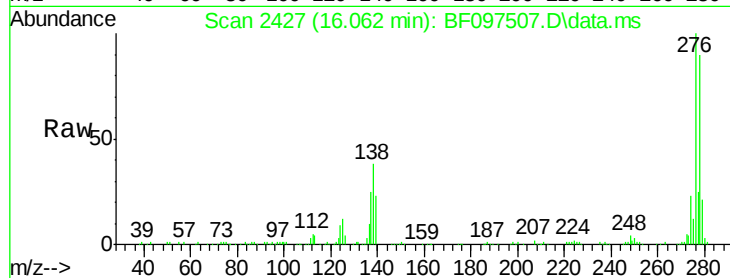




#85
Indeno(1,2,3-cd)pyrene
Concen: 42.31 ng
RT: 16.062 min Scan# 2416
Delta R.T. -0.000 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

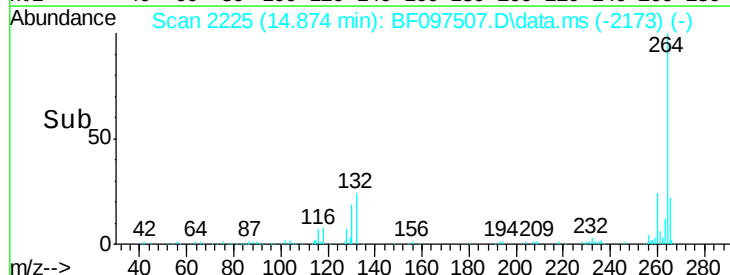
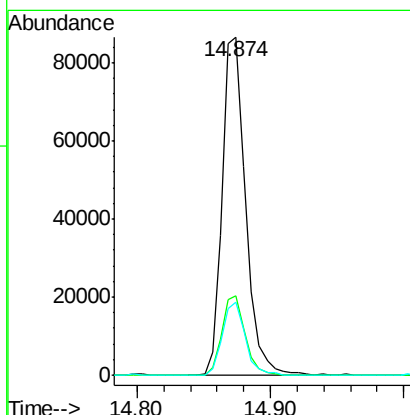
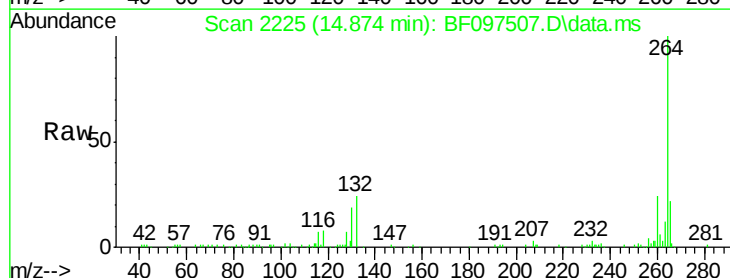
Instrument :
BNA_F
ClientSampleId :
15-50-RT3460-RT4215-RT3451MSD

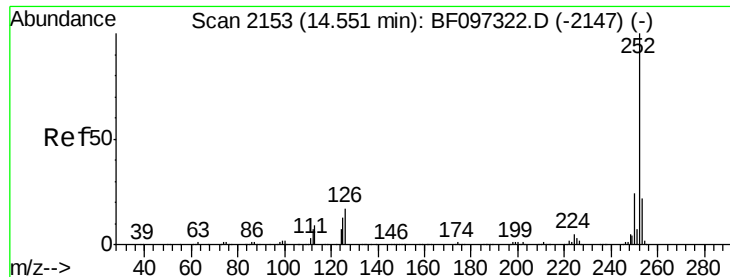
Tot Ion	Ratio	Lower	Upper
276	100		
138	37.3	27.8	41.6
277	24.6	20.2	30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 14.874 min Scan# 2225
Delta R.T. 0.006 min
Lab File: BF097507.D
Acq: 9 Aug 2017 9:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	21.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 49.07 ng

RT: 14.527 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

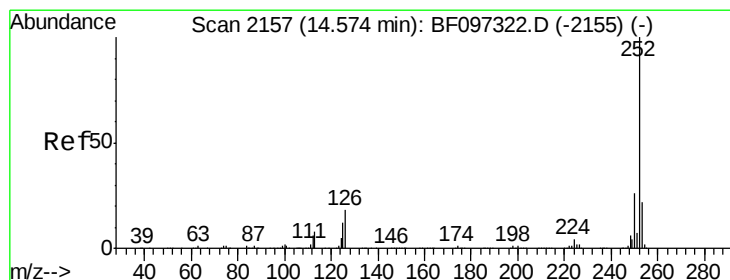
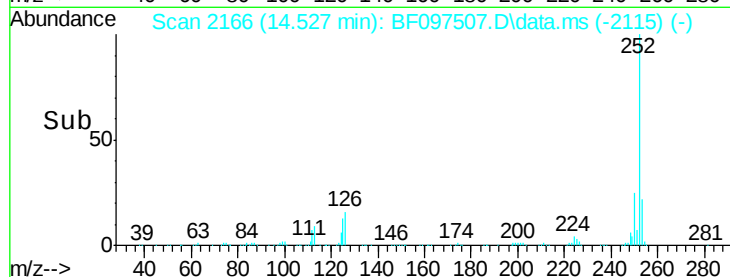
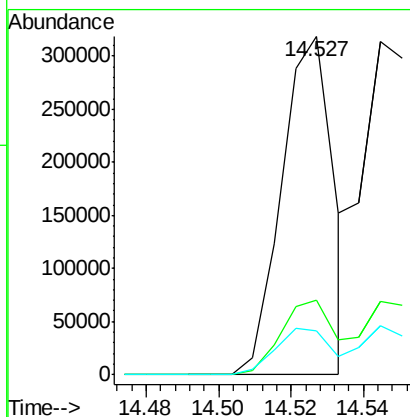
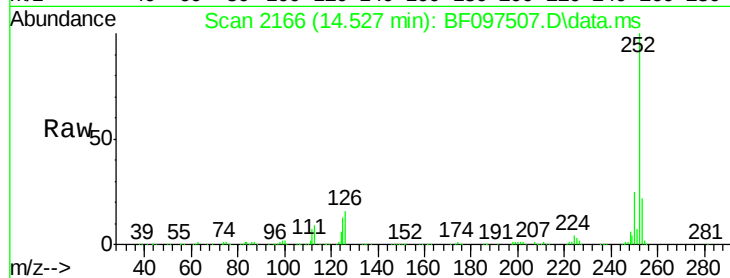
Tot Ion:252 Resp: 317403

Ion Ratio Lower Upper

252 100

253 22.0 18.1 27.1

125 12.9 9.8 14.8



#88

Benzo(k)fluoranthene

Concen: 53.52 ng

RT: 14.545 min Scan# 2169

Delta R.T. -0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

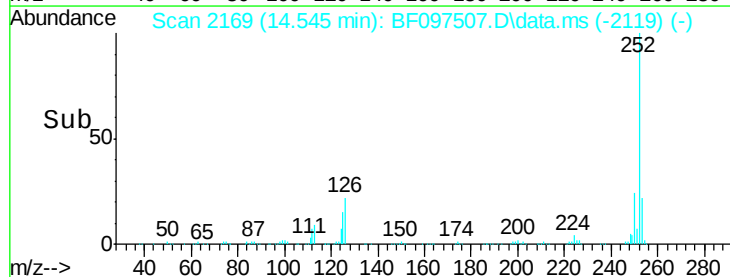
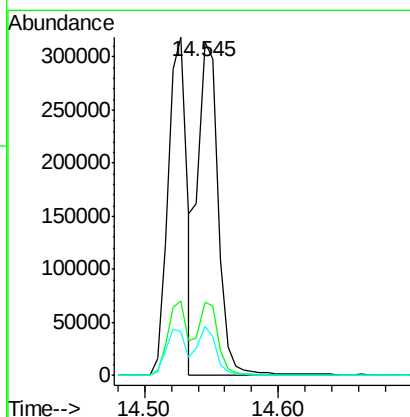
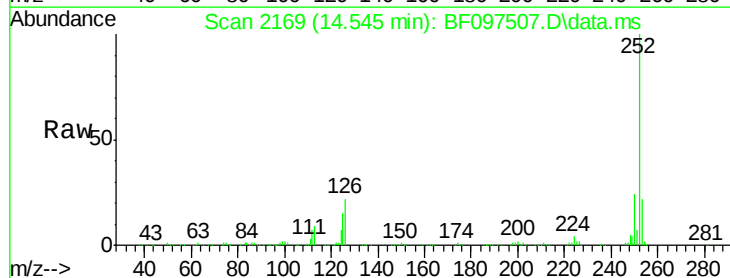
Tgt Ion:252 Resp: 329907

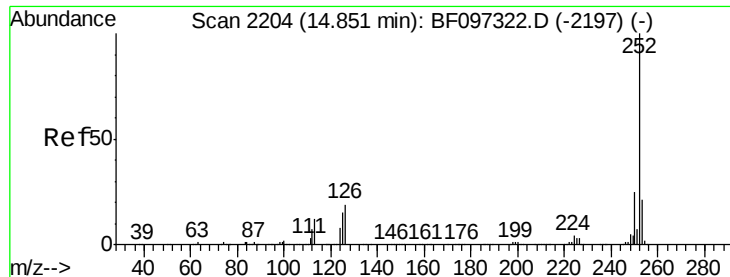
Ion Ratio Lower Upper

252 100

253 21.8 18.4 27.6

125 14.8 13.1 19.7





#89

Benzo(a)pyrene

Concen: 51.65 ng

RT: 14.821 min Scan# 22

Delta R.T. -0.000 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

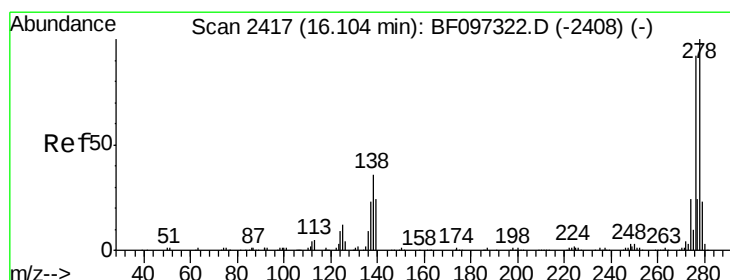
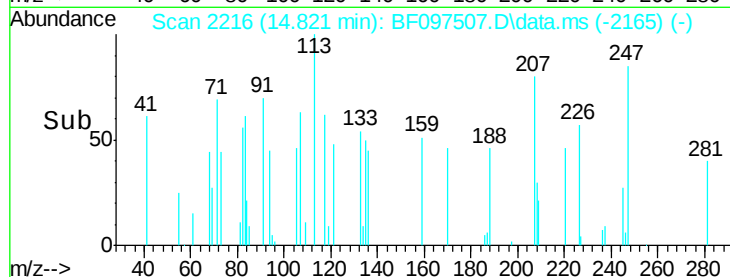
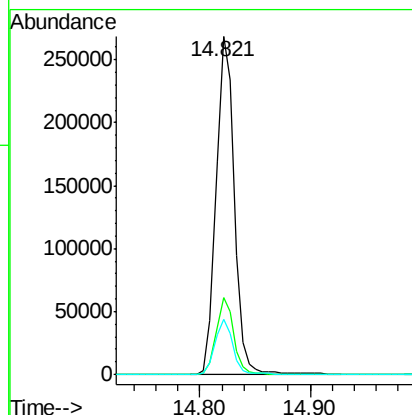
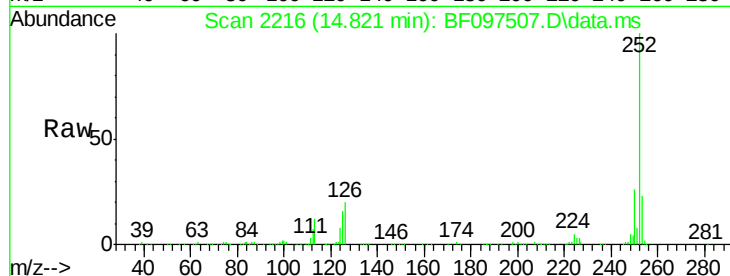
Tot Ion:252 Resp: 305817

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 16.2 11.0 16.4



#90

Dibenzo(a,h)anthracene

Concen: 50.39 ng

RT: 16.062 min Scan# 2427

Delta R.T. -0.000 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

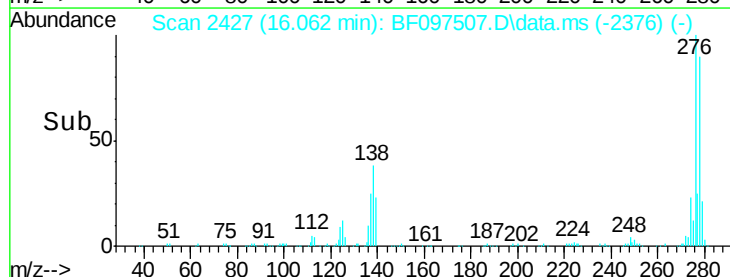
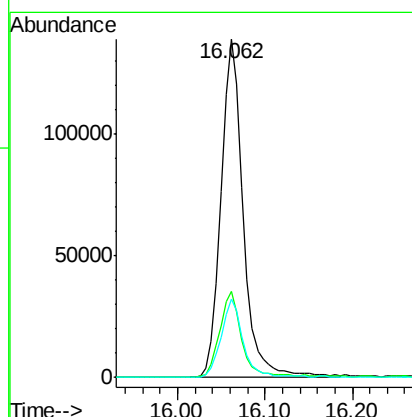
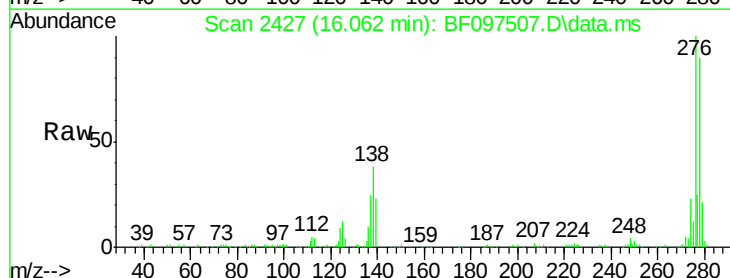
Tgt Ion:278 Resp: 244666

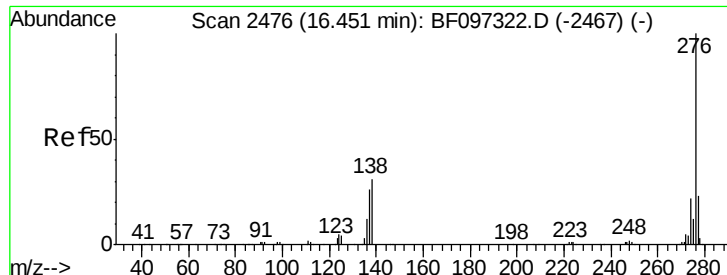
Ion Ratio Lower Upper

278 100

139 25.4 16.6 24.8#

279 23.3 19.3 28.9





#91

Benzo(a,h,i)perylene

Concen: 47.89 ng

RT: 16.415 min Scan# 24

Delta R.T. 0.006 min

Lab File: BF097507.D

Acq: 9 Aug 2017 9:55

Instrument :

BNA_F

ClientSampleId :

15-50-RT3460-RT4215-RT3451MSD

Tot Ion: 276 Resp: 243802

Ion Ratio Lower Upper

276 100

277 24.4 18.6 28.0

138 31.4 25.4 38.0

