

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081217\
 Data File : BF097634.D
 Acq On : 12 Aug 2017 14:51
 Operator : SJ/JU
 Sample : PB101441BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB101441BS

Quant Time: Aug 14 05:18:22 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 11 15:55:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	123695	20.00	ng	-0.01
21) Naphthalene-d8	9.53	136	591851	20.00	ng	-0.01
38) Acenaphthene-d10	12.36	164	244292	20.00	ng	-0.01
63) Phenanthrene-d10	14.75	188	428185	20.00	ng	-0.01
75) Chrysene-d12	18.45	240	300001	20.00	ng	-0.01
86) Perylene-d12	20.12	264	248285	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	1092182	140.35	ng	0.04
7) Phenol-d6	7.07	99	1178841	122.11	ng	0.02
23) Nitrobenzene-d5	8.42	82	808150	85.62	ng	0.00
41) 2,4,6-Tribromophenol	13.66	330	226702	122.08	ng	0.00
44) 2-Fluorobiphenyl	11.31	172	1327040	81.98	ng	-0.01
78) Terphenyl-d14	17.11	244	950360	65.56	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.92	88	153213	45.37	ng	# 69
3) Pyridine	2.50	79	407927	41.41	ng	# 65
4) n-Nitrosodimethylamine	2.47	42	258025	45.15	ng	# 75
6) Aniline	7.00	93	343437	24.75	ng	98
8) 2-Chlorophenol	7.19	128	375832	42.13	ng	95
9) Benzaldehyde	6.81	77	142032	22.31	ng	99
10) Phenol	7.09	94	444398	42.04	ng	98
11) bis(2-Chloroethyl)ether	7.15	93	321069	37.87	ng	88
12) 1,3-Dichlorobenzene	7.40	146	381323	38.17	ng	97
13) 1,4-Dichlorobenzene	7.53	146	387396	38.10	ng	95
14) 1,2-Dichlorobenzene	7.76	146	352964	38.03	ng	99
15) Benzyl Alcohol	7.80	79	348069	52.18	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.99	45	788082	41.40	ng	90
17) 2-Methylphenol	8.02	107	308146	44.57	ng	96
18) Hexachloroethane	8.27	117	135608	38.98	ng	# 80
19) n-Nitroso-di-n-propylamine	8.23	70	281746	41.96	ng	# 81
20) 3+4-Methylphenols	8.29	107	411126	48.55	ng	# 63
22) Acetophenone	8.19	105	527983	37.76	ng	# 99
24) Nitrobenzene	8.45	77	420531	40.88	ng	95
25) Isophorone	8.85	82	791948	45.55	ng	97
26) 2-Nitrophenol	8.95	139	228065	43.84	ng	# 83
27) 2,4-Dimethylphenol	9.10	122	365831	42.17	ng	98
28) bis(2-Chloroethoxy)methane	9.22	93	531682	42.32	ng	98
29) 2,4-Dichlorophenol	9.37	162	322803	42.20	ng	96
30) 1,2,4-Trichlorobenzene	9.46	180	295427	38.95	ng	96
31) Naphthalene	9.56	128	1132997	38.22	ng	99
32) Benzoic acid	9.46	122	182842	39.11	ng	95
33) 4-Chloroaniline	9.71	127	228245	18.59	ng	96
34) Hexachlorobutadiene	9.78	225	144004	34.76	ng	99
35) Caprolactam	10.35	113	55388	22.47	ng	# 42
36) 4-Chloro-3-methylphenol	10.59	107	329386	38.32	ng	88
37) 2-Methylnaphthalene	10.69	142	738925	39.61	ng	99
39) 1,2,4,5-Tetrachlorobenzene	10.97	216	267104	38.61	ng	98
40) Hexachlorocyclopentadiene	10.95	237	146691	96.09	ng	98

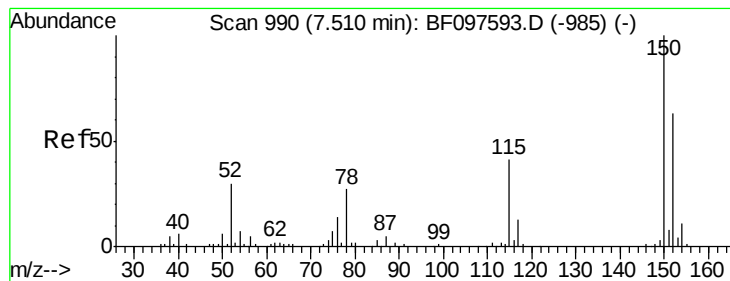
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	11.20	196	171823	37.70	nq	99
43) 2,4,5-Trichlorophenol	11.28	196	163084	37.89	nq	96
45) 1,1'-Biphenyl	11.46	154	807021	38.50	nq	97
46) 2-Chloronaphthalene	11.47	162	616262	38.30	nq	94
47) 2-Nitroaniline	11.69	65	231264	36.69	nq	96
48) Acenaphthylene	12.13	152	1021161	39.92	nq	99
49) Dimethylphthalate	12.02	163	730118	38.78	nq	98
50) 2,6-Dinitrotoluene	12.11	165	164281	42.26	nq	# 65
51) Acenaphthene	12.41	154	562439	36.68	nq	98
52) 3-Nitroaniline	12.37	138	116221	22.83	nq	97
53) 2,4-Dinitrophenol	12.59	184	82698	51.60	nq	# 74
54) Dibenzofuran	12.70	168	836035	38.95	nq	98
55) 4-Nitrophenol	12.77	139	126696	65.35	nq	# 37
56) 2,4-Dinitrotoluene	12.77	165	238271	45.92	nq	# 69
57) Fluorene	13.25	166	717253	40.63	nq	98
58) 2,3,4,6-Tetrachlorophenol	12.94	232	123323	41.71	nq	95
59) Diethylphthalate	13.16	149	793103	44.60	nq	99
60) 4-Chlorophenyl-phenylether	13.27	204	300750	39.91	nq	99
61) 4-Nitroaniline	13.38	138	201247	41.44	nq	93
62) Azobenzene	13.54	77	932966	52.74	nq	93
64) 4,6-Dinitro-2-methylphenol	13.44	198	92479	35.41	nq	85
65) n-Nitrosodiphenylamine	13.49	169	632563	39.98	nq	98
66) 4-Bromophenyl-phenylether	14.06	248	177439	39.94	nq	97
67) Hexachlorobenzene	14.14	284	182201	37.65	nq	# 90
68) Atrazine	14.42	200	184727	46.53	nq	95
69) Pentachlorophenol	14.51	266	39195	42.34	nq	96
70) Phenanthrene	14.79	178	941821	38.19	nq	98
71) Anthracene	14.88	178	940577	37.28	nq	99
72) Carbazole	15.17	167	898287	37.40	nq	99
73) Di-n-butylphthalate	15.75	149	1096620	39.00	nq	99
74) Fluoranthene	16.56	202	853107	38.28	nq	98
76) Benzidine	16.77	184	355968	36.00	nq	# 93
77) Pyrene	16.86	202	874818	35.26	nq	100
79) Butylbenzylphthalate	17.77	149	454887	43.86	nq	# 79
80) Benzo(a)anthracene	18.44	228	685300	39.11	nq	99
81) 3,3'-Dichlorobenzidine	18.42	252	147106	24.34	nq	# 97
82) Chrysene	18.49	228	662577	38.02	nq	100
83) Bis(2-ethylhexyl)phthalate	18.52	149	640932	43.45	nq	98
84) Di-n-octyl phthalate	19.29	149	1038932	40.33	nq	# 92
85) Indeno(1,2,3-cd)pyrene	21.33	276	484754	35.76	nq	99
87) Benzo(b)fluoranthene	19.71	252	619769	41.57	nq	98
88) Benzo(k)fluoranthene	19.71	252	619769	41.27	nq	96
89) Benzo(a)pyrene	20.06	252	550207	40.21	nq	99
90) Dibenzo(a,h)anthracene	21.33	278	396210	40.44	nq	97
91) Benzo(g,h,i)perylene	21.67	276	427376	39.76	nq	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.50 min Scan# 988

Delta R.T. -0.01 min

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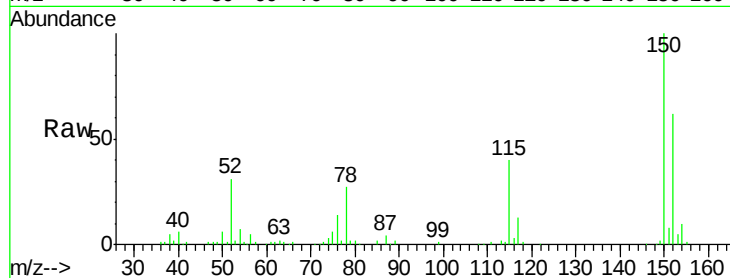
Tot Ion:152 Resp: 123695

Ion Ratio Lower Upper

152 100

150 161.4 126.2 189.2

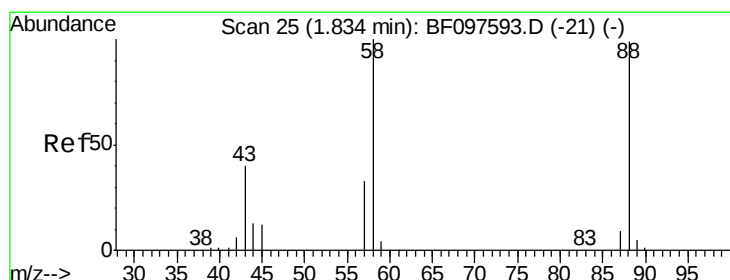
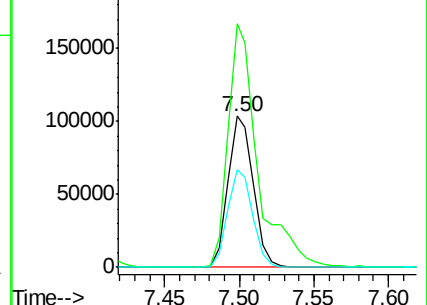
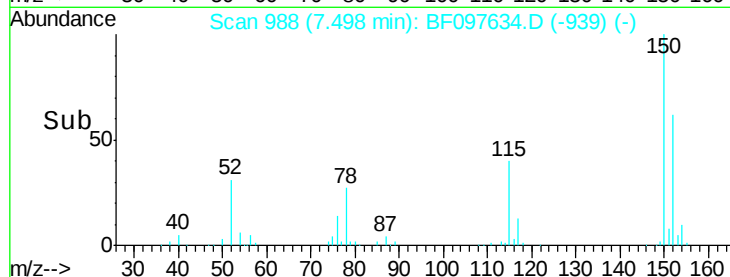
115 64.9 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 45.37 ng

RT: 1.92 min Scan# 40

Delta R.T. 0.09 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

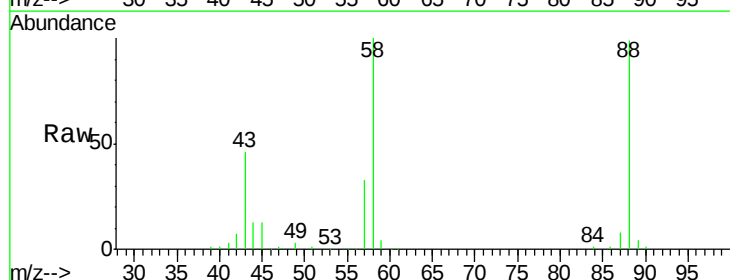
Tgt Ion: 88 Resp: 153213

Ion Ratio Lower Upper

88 100

58 101.4 61.4 92.0#

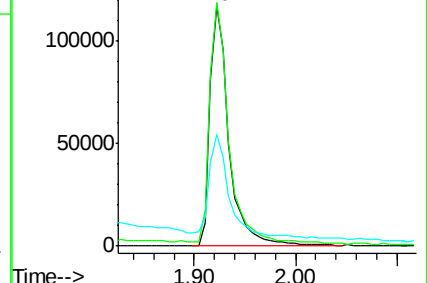
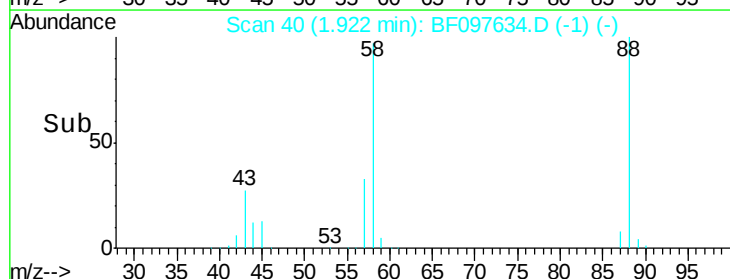
43 49.3 23.4 35.0#

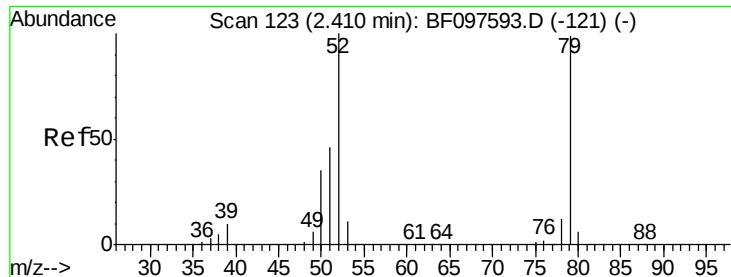


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 41.41 ng

RT: 2.50 min Scan# 138

Delta R.T. 0.09 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Instrument :

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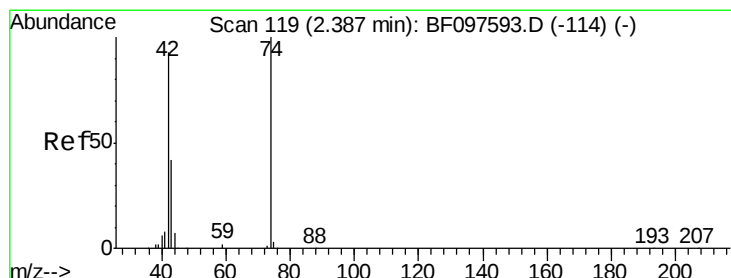
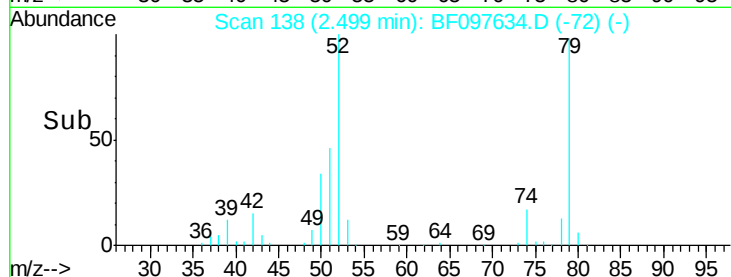
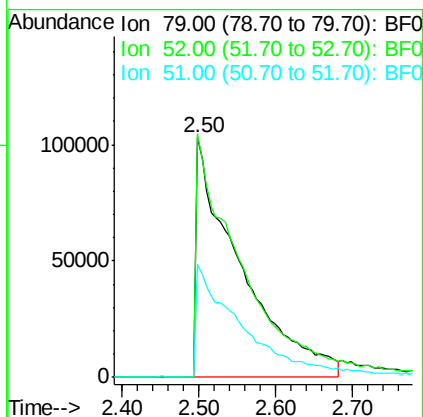
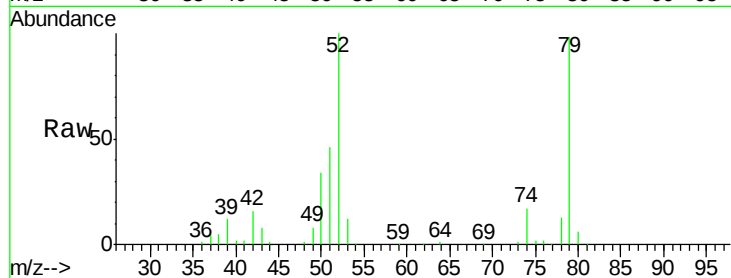
Tot Ion: 79 Resp: 407927

Ion Ratio Lower Upper

79 100

52 101.8 54.8 82.2#

51 47.3 27.0 40.4#



#4

n-Nitrosodimethylamine

Concen: 45.15 ng

RT: 2.47 min Scan# 133

Delta R.T. 0.08 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

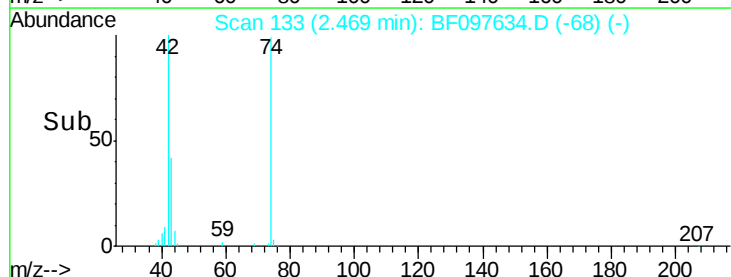
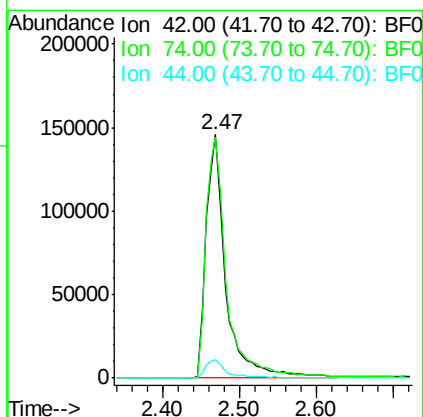
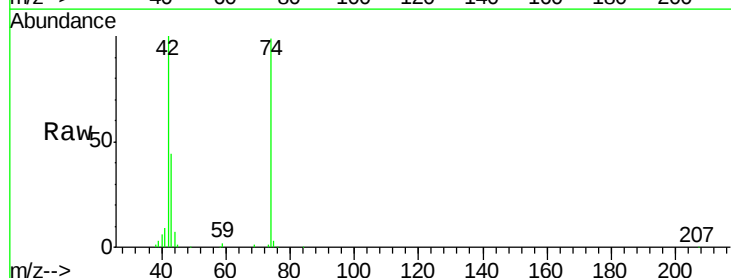
Tgt Ion: 42 Resp: 258025

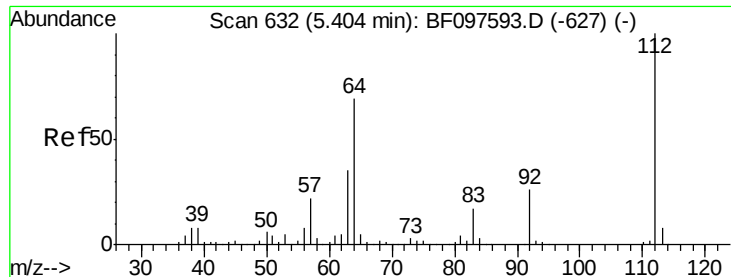
Ion Ratio Lower Upper

42 100

74 99.1 103.9 155.9#

44 7.4 5.7 8.5

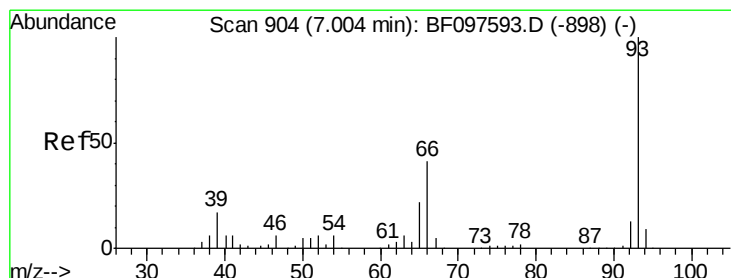
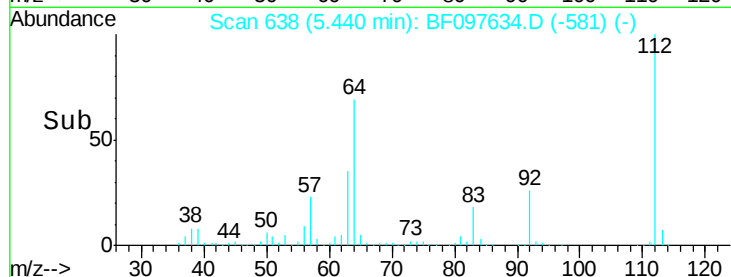
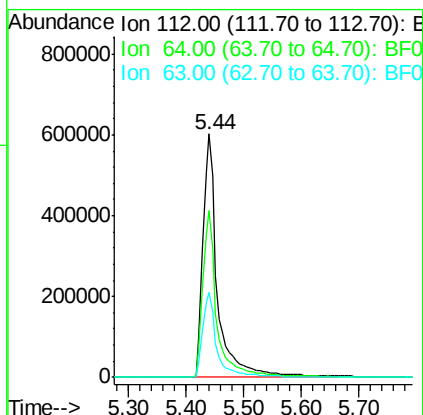
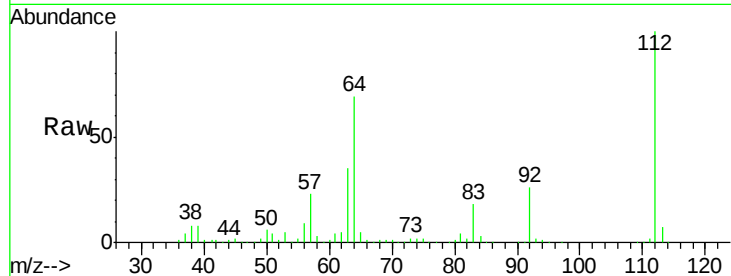




#5
 2-Fluorophenol
 Concen: 140.35 ng
 RT: 5.44 min Scan# 638
 Delta R.T. 0.04 min
 Lab File: BF097634.D
 Acq: 12 Aug 2017 14:51

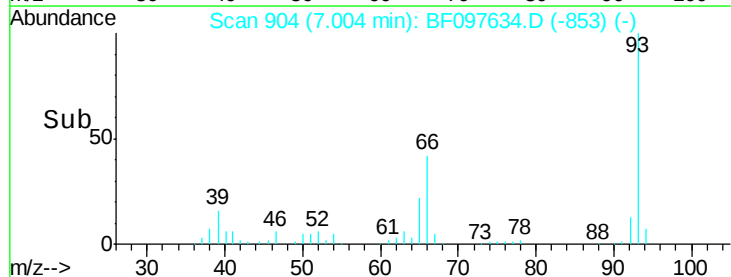
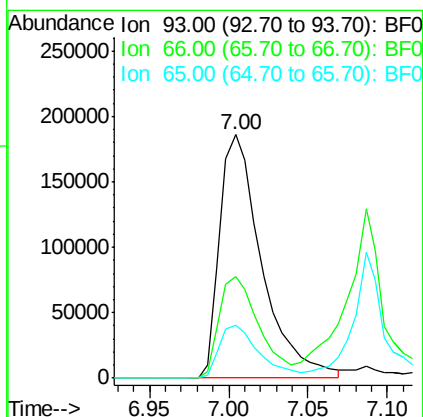
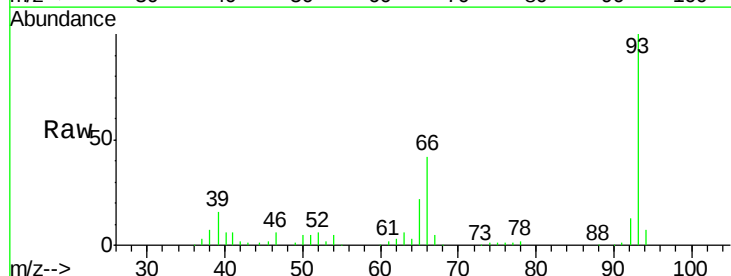
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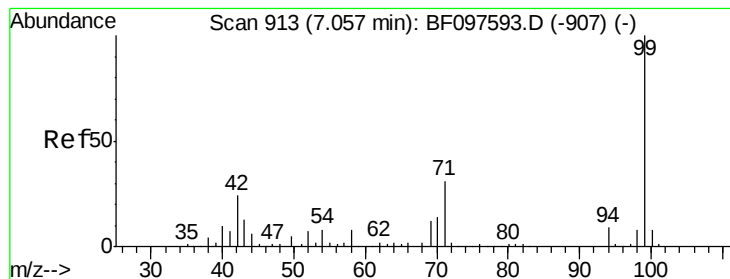
Tot Ion:112 Resp: 1092182
 Ion Ratio Lower Upper
 112 100
 64 68.7 46.0 69.0
 63 35.1 23.4 35.0#



#6
 Aniline
 Concen: 24.75 ng
 RT: 7.00 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BF097634.D
 Acq: 12 Aug 2017 14:51

Tgt Ion: 93 Resp: 343437
 Ion Ratio Lower Upper
 93 100
 66 41.8 32.9 49.3
 65 21.7 16.0 24.0





#7

Phenol-d6

Concen: 122.11 ng

RT: 7.07 min Scan# 916

Delta R.T. 0.02 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Instrument :

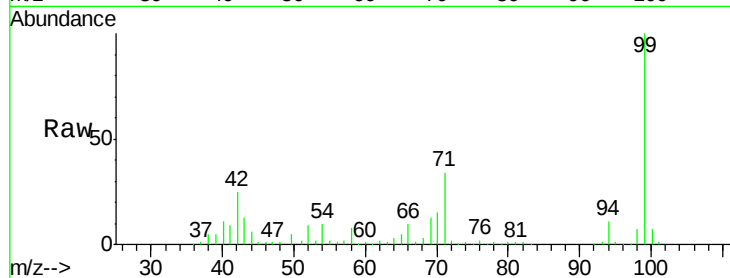
BNA_F

ClientSampleId :

PB101441BS

Tot Ion: 99 Resp: 1178841

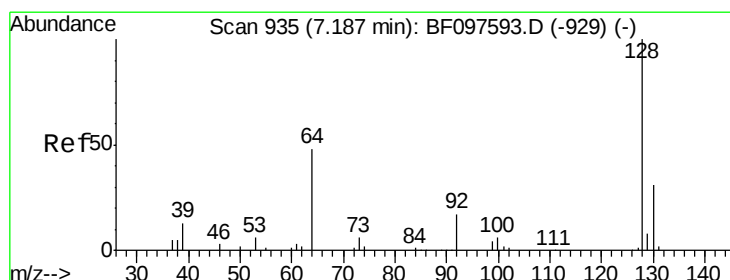
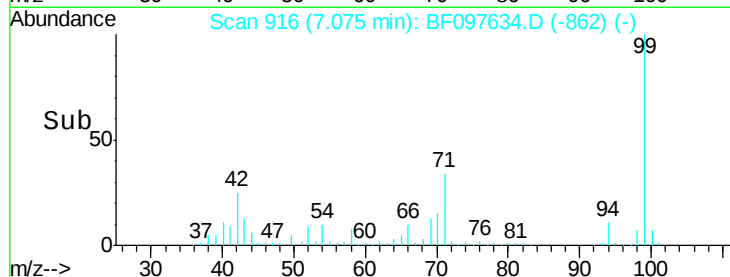
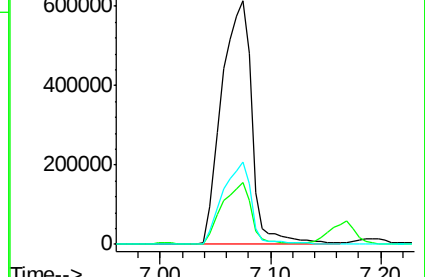
Ion	Ratio	Lower	Upper
99	100		
42	25.2	13.5	20.3#
71	34.0	24.5	36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 42.13 ng

RT: 7.19 min Scan# 936

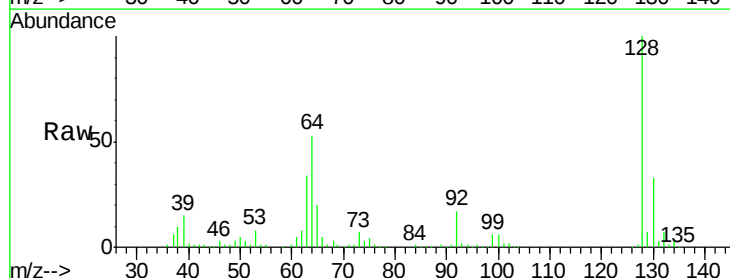
Delta R.T. 0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Tgt Ion: 128 Resp: 375832

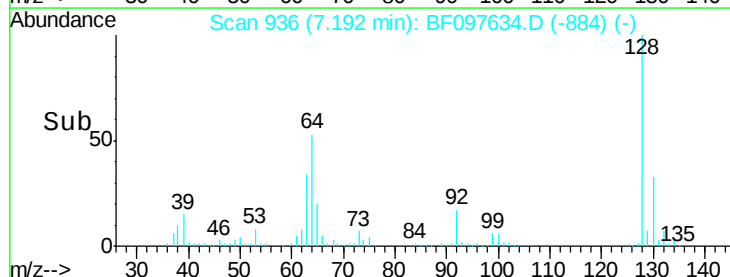
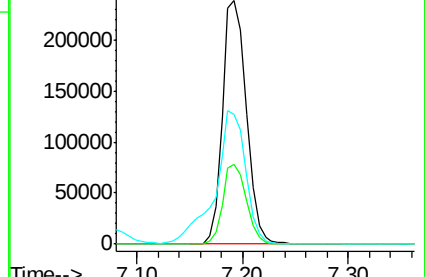
Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.9	52.9
64	53.4	28.4	68.4

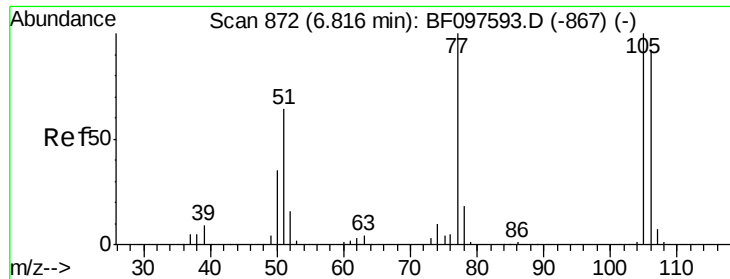


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0

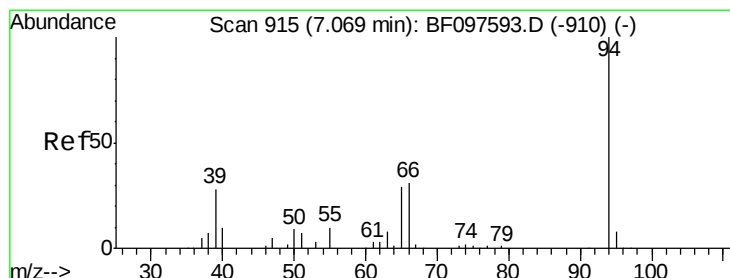
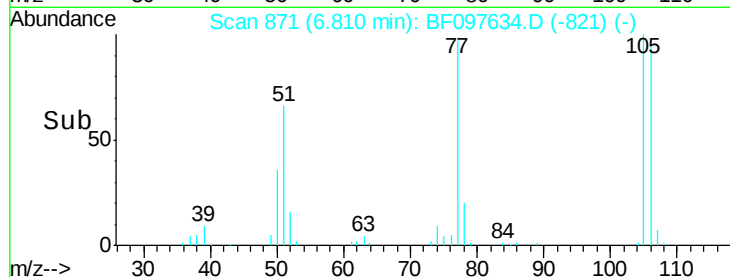
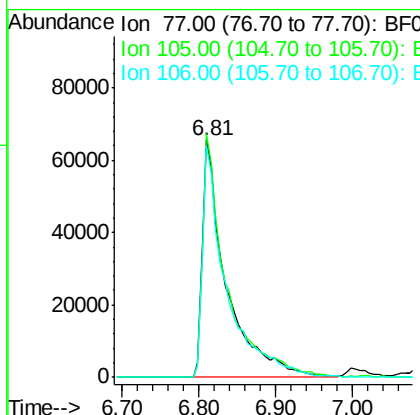
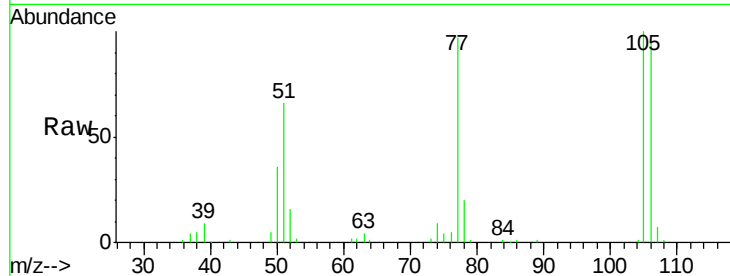




#9
Benzaldehyde
Concen: 22.31 ng
RT: 6.81 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF097634.D
Acq: 12 Aug 2017 14:51

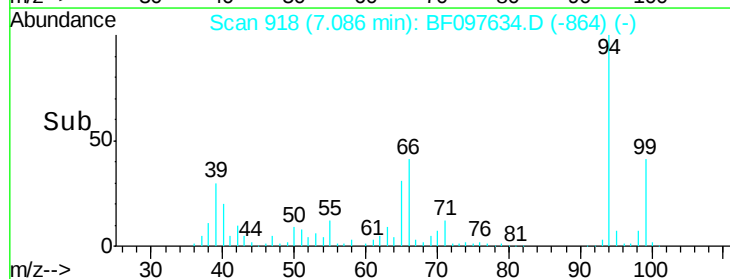
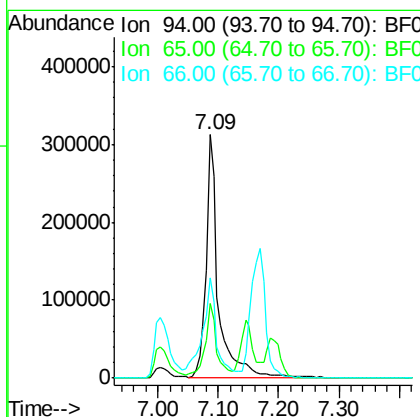
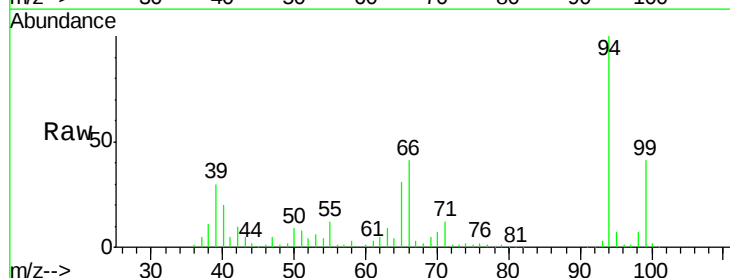
Instrument :
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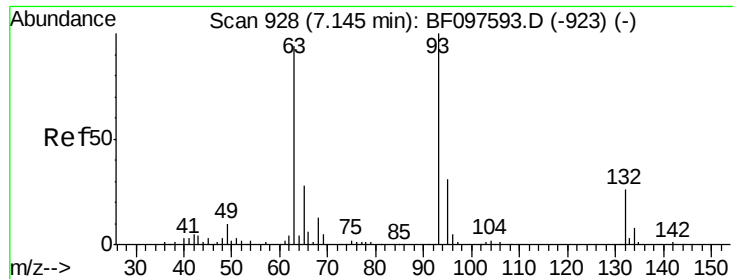
Tot Ion: 77 Resp: 142032
Ion Ratio Lower Upper
77 100
105 102.7 83.8 123.8
106 97.9 79.1 119.1



#10
Phenol
Concen: 42.04 ng
RT: 7.09 min Scan# 918
Delta R.T. 0.02 min
Lab File: BF097634.D
Acq: 12 Aug 2017 14:51

Tgt Ion: 94 Resp: 444398
Ion Ratio Lower Upper
94 100
65 30.8 9.9 49.9
66 41.4 23.1 63.1

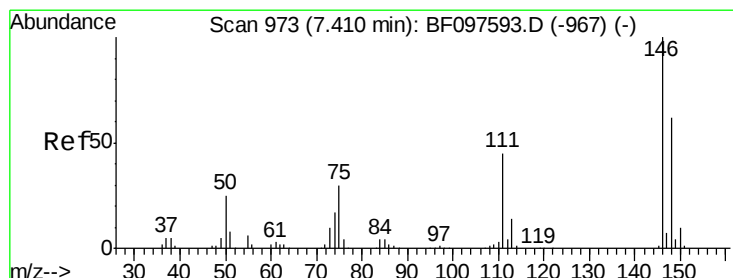
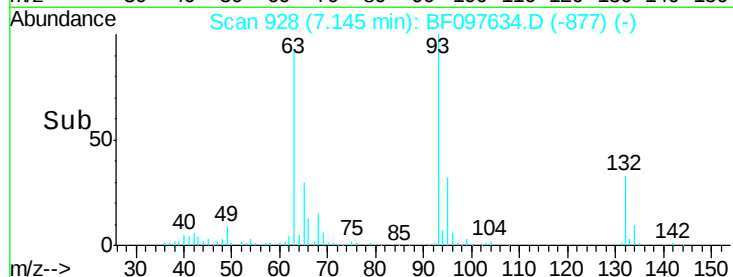
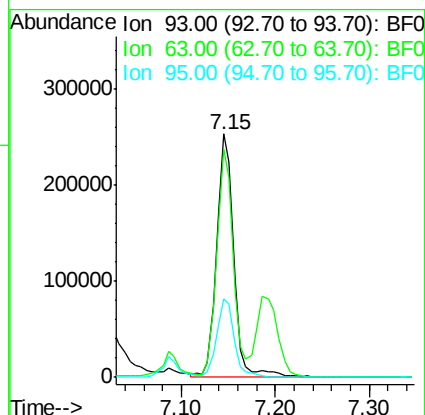
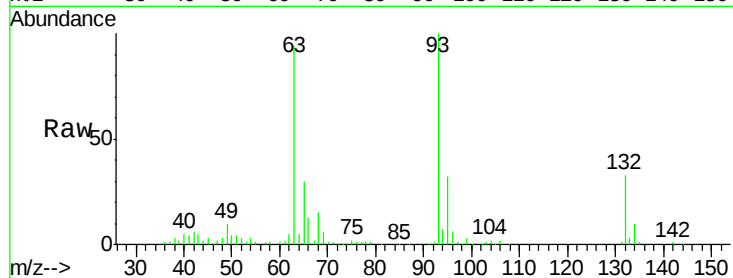




#11
bis(2-Chloroethyl)ether
Concen: 37.87 ng
RT: 7.15 min Scan# 928
Delta R.T. -0.00 min
Lab File: BF097634.D
Acq: 12 Aug 2017 14:51

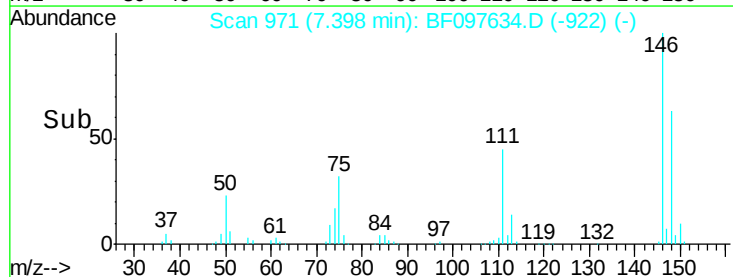
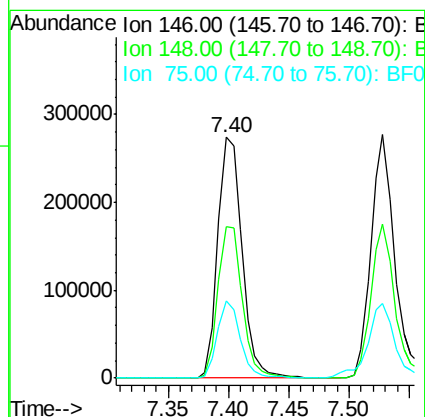
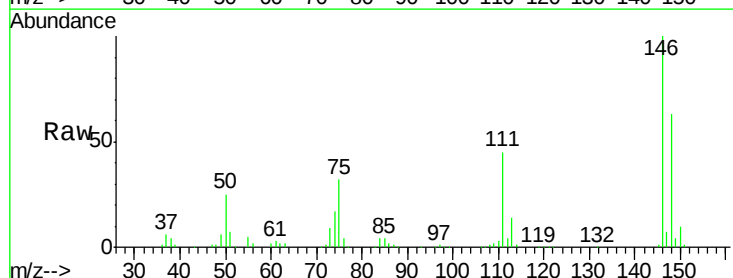
Instrument :
BNA_F
ClientSampleId :
PB101441BS

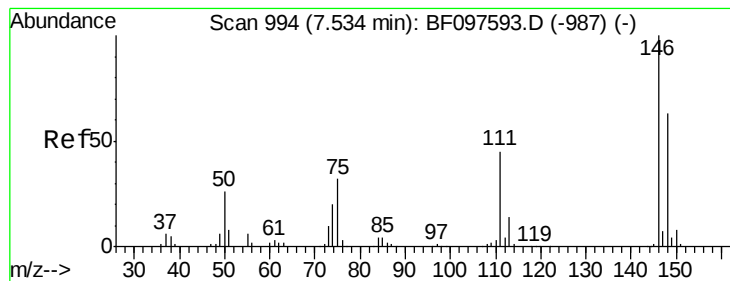
Tot Ion: 93 Resp: 321069
Ion Ratio Lower Upper
93 100
63 93.6 59.2 99.2
95 32.3 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 38.17 ng
RT: 7.40 min Scan# 971
Delta R.T. -0.01 min
Lab File: BF097634.D
Acq: 12 Aug 2017 14:51

Tgt Ion: 146 Resp: 381323
Ion Ratio Lower Upper
146 100
148 62.7 51.8 77.6
75 31.8 23.1 34.7





#13

1,4-Dichlorobenzene

Concen: 38.10 ng

RT: 7.53 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Instrument :

BNA_F

ClientSampleId :

PB101441BS

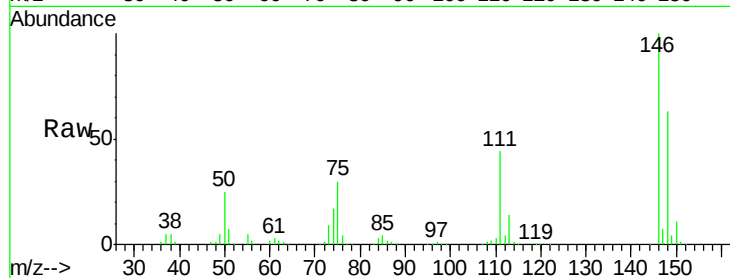
Tot Ion:146 Resp: 387396

Ion Ratio Lower Upper

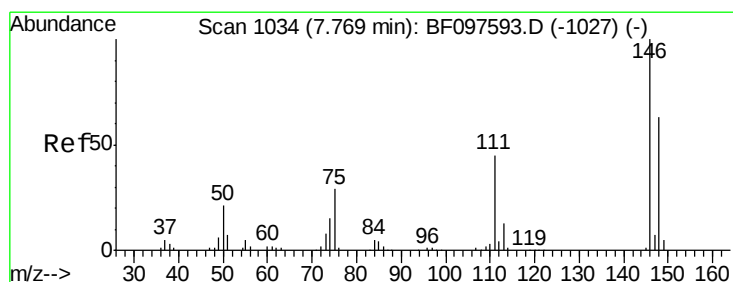
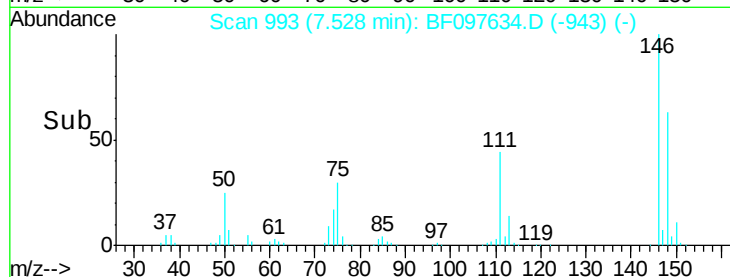
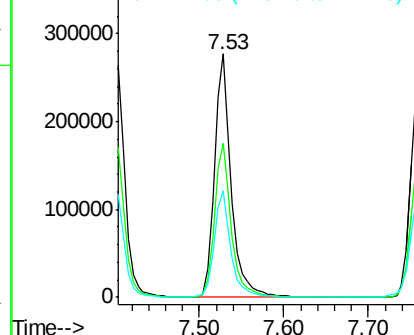
146 100

148 63.1 52.2 78.2

111 44.0 30.3 45.5



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 38.03 ng

RT: 7.76 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

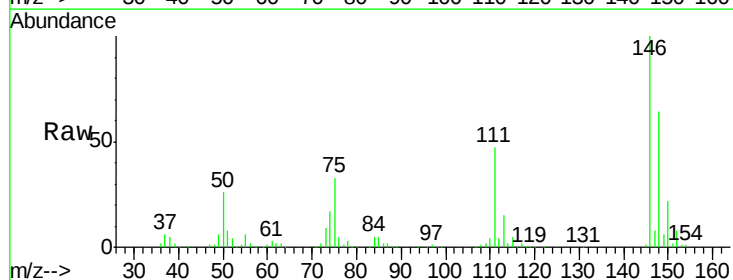
Tgt Ion:146 Resp: 352964

Ion Ratio Lower Upper

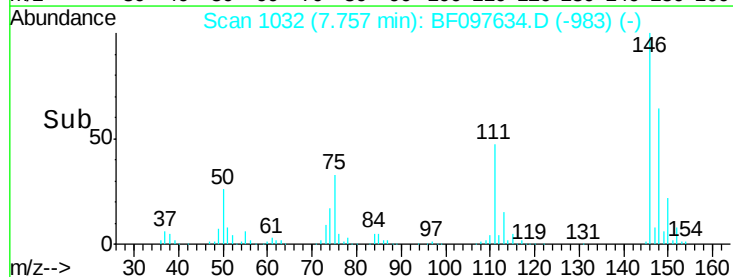
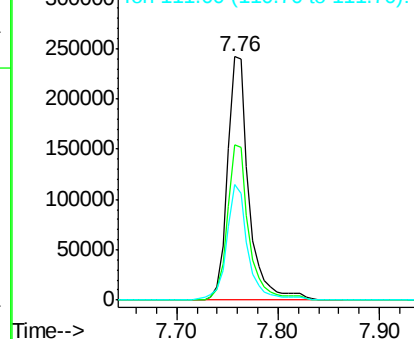
146 100

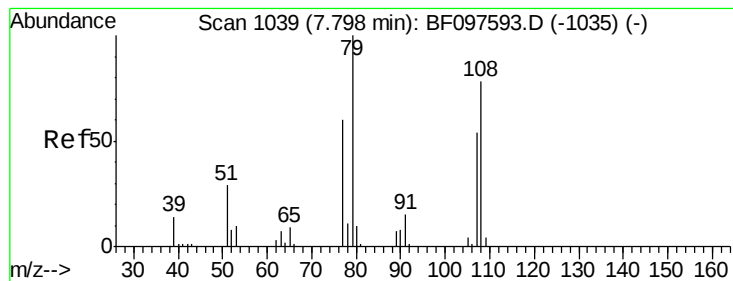
148 63.9 50.4 75.6

111 47.3 38.2 57.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 52.18 ng

RT: 7.80 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Instrument :

BNA_F

ClientSampleID :

PB101441BS

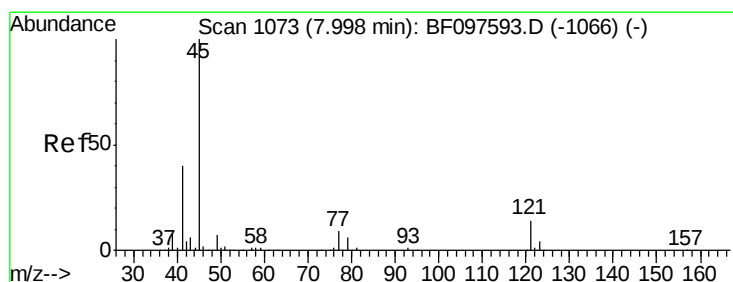
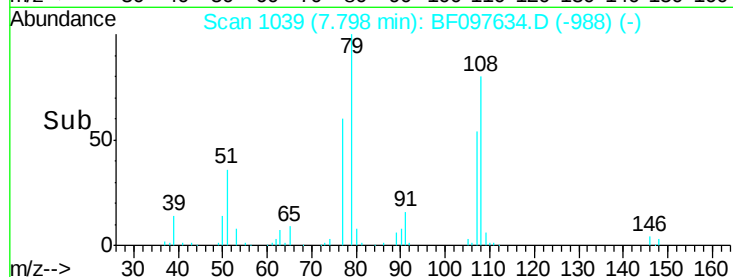
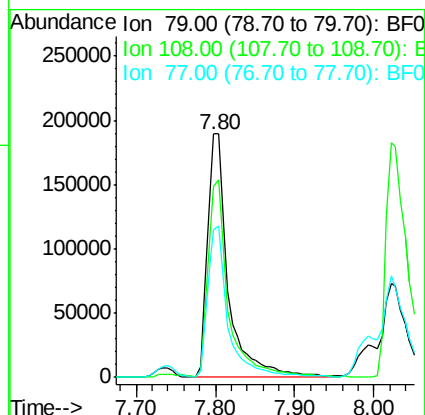
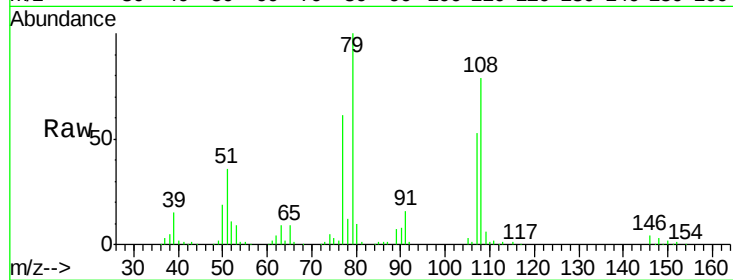
Tot Ion: 79 Resp: 348069

Ion Ratio Lower Upper

79 100

108 78.7 63.4 95.0

77 60.6 49.2 73.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.40 ng

RT: 7.99 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

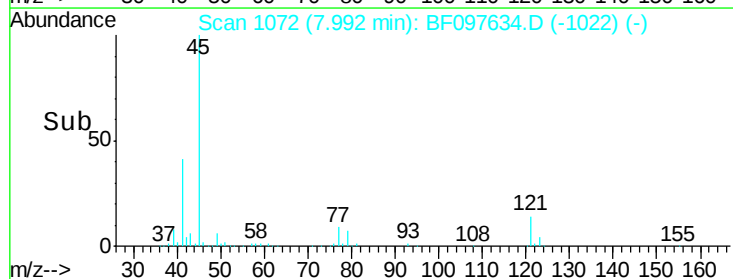
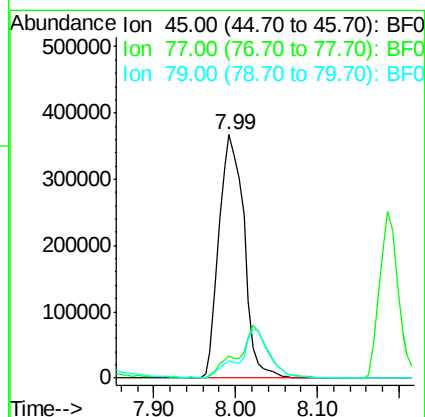
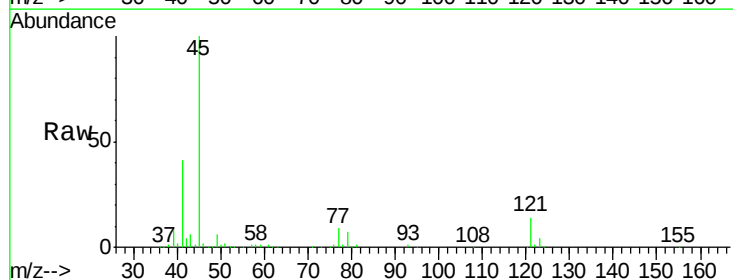
Tgt Ion: 45 Resp: 788082

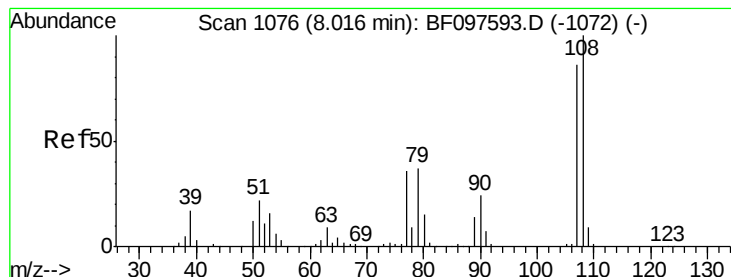
Ion Ratio Lower Upper

45 100

77 8.8 0.0 33.2

79 6.9 0.0 30.0

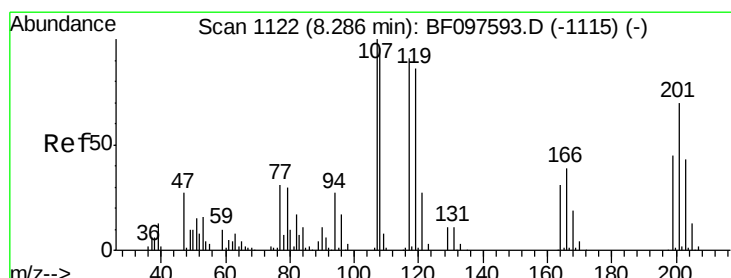
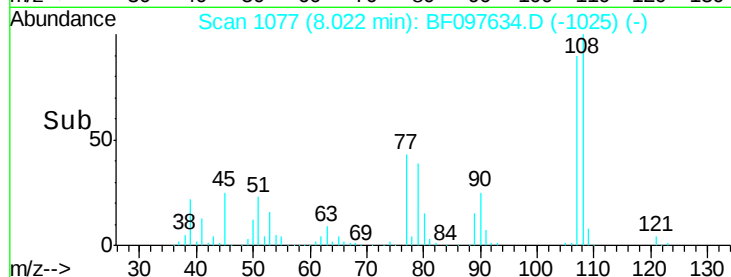
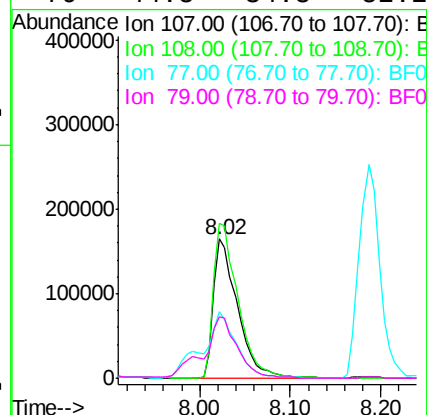
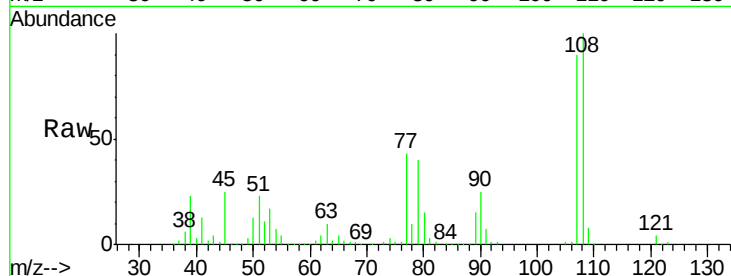




#17
2-Methylphenol
Concen: 44.57 ng
RT: 8.02 min Scan# 1077
Delta R.T. 0.01 min
Lab File: BF097634.D
Acq: 12 Aug 2017 14:51

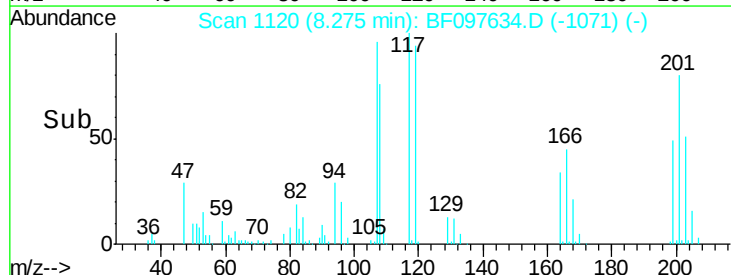
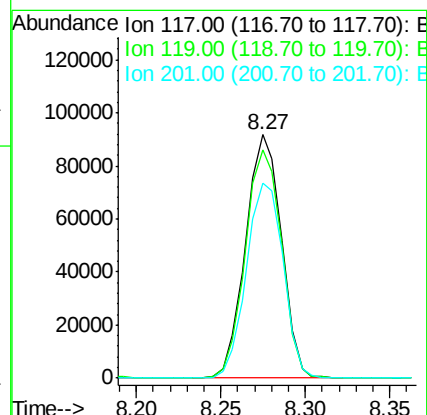
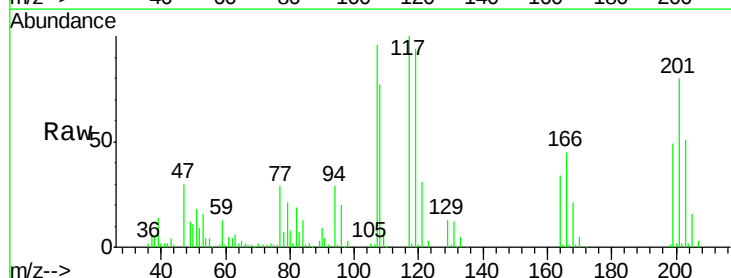
Instrument :
BNA_F
ClientSampleId :
PB101441BS

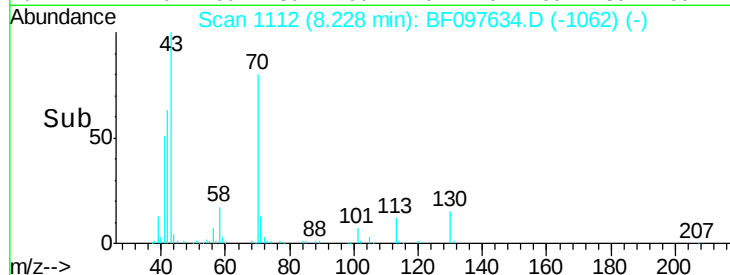
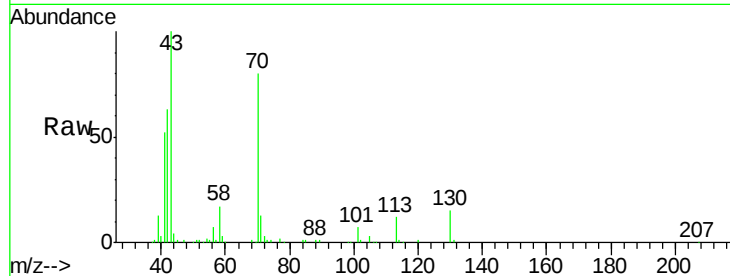
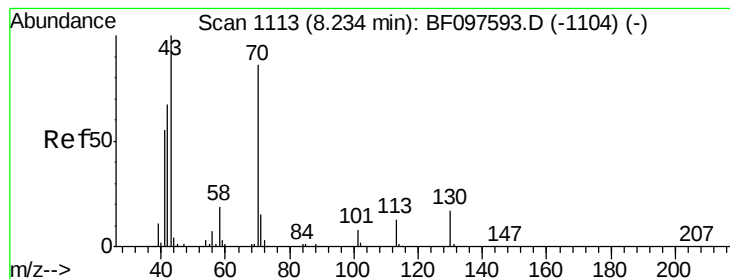
Tot Ion:	107	Resp:	308146
Ion	Ratio	Lower	Upper
107	100		
108	111.1	93.4	140.0
77	48.3	35.8	53.6
79	44.5	34.8	52.2



#18
Hexachloroethane
Concen: 38.98 ng
RT: 8.27 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BF097634.D
Acq: 12 Aug 2017 14:51

Tgt Ion:	117	Resp:	135608
Ion	Ratio	Lower	Upper
117	100		
119	93.9	77.4	116.0
201	80.3	94.6	141.8#





#19

n-Nitroso-di-n-propylamine

Concen: 41.96 ng

RT: 8.23 min Scan# 1112

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Instrument :

BNA_F

ClientSampleId :

PB101441BS

Tot Ion: 70 Resp: 281746

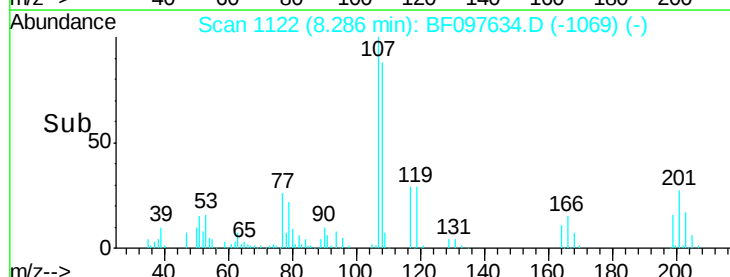
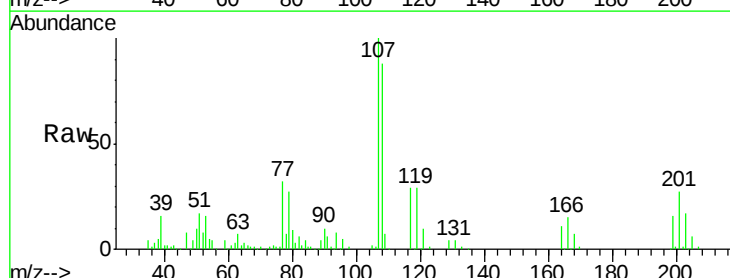
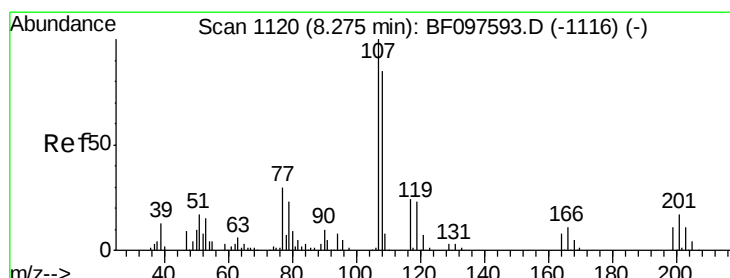
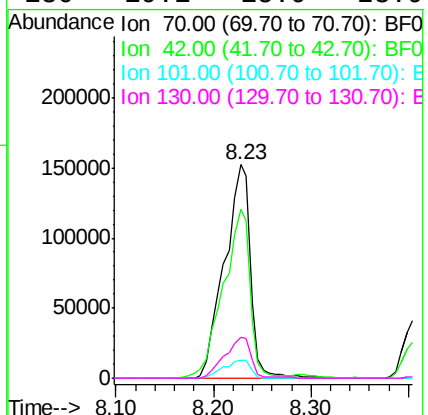
Ion Ratio Lower Upper

70 100

42 79.3 47.2 70.8#

101 8.7 7.2 10.8

130 19.1 15.9 23.9



#20

3+4-Methylphenols

Concen: 48.55 ng

RT: 8.29 min Scan# 1122

Delta R.T. 0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Tgt Ion: 107 Resp: 411126

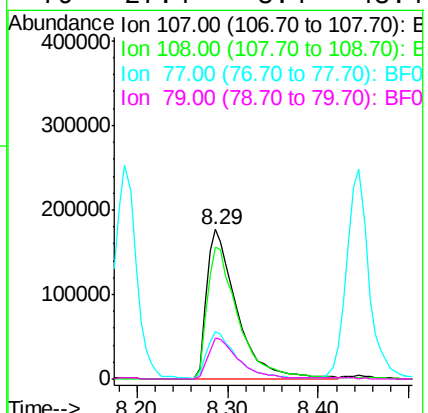
Ion Ratio Lower Upper

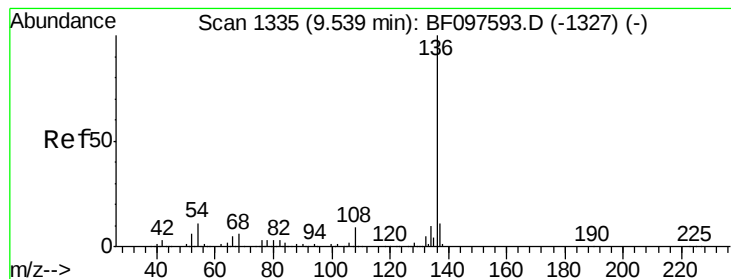
107 100

108 88.5 71.0 111.0

77 31.9 90.5 130.5#

79 27.4 8.4 48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.53 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Instrument :

BNA_F

ClientSampleId :

PB101441BS

Tot Ion:136 Resp: 591851

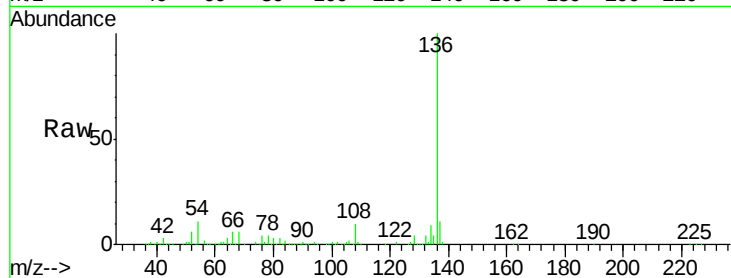
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 10.7 4.9 7.3#

68 6.0 4.1 6.1

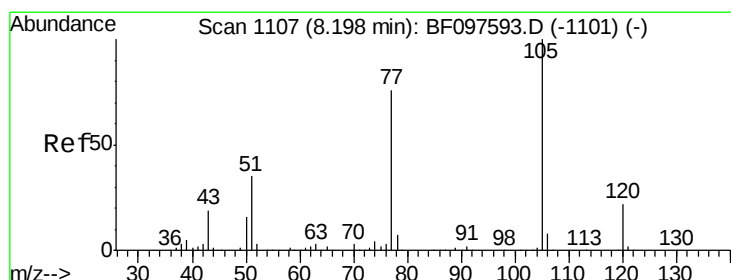
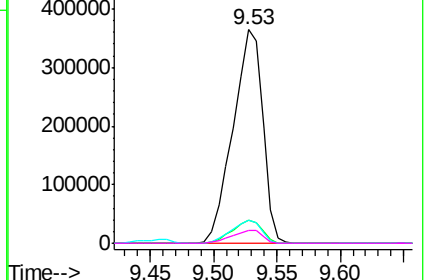
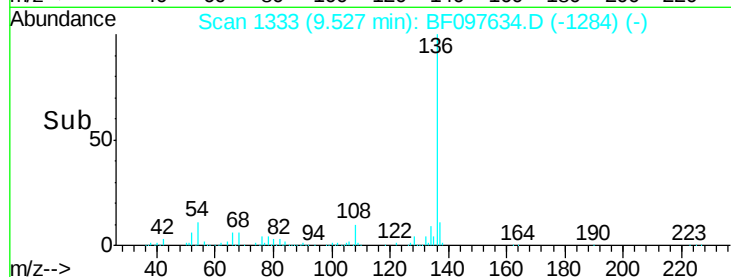


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 37.76 ng

RT: 8.19 min Scan# 1105

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Tgt Ion:105 Resp: 527983

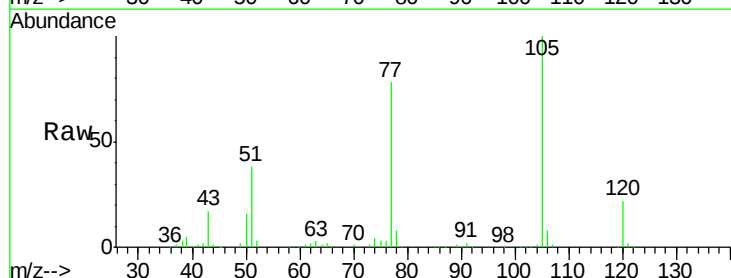
Ion Ratio Lower Upper

105 100

71 0.0 2.8 4.2#

51 37.7 30.7 46.1

120 22.0 17.4 26.0

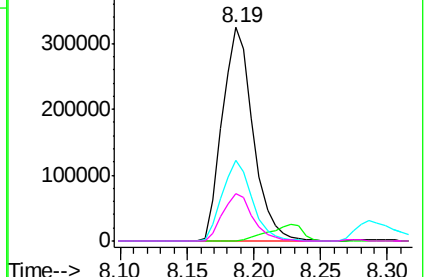
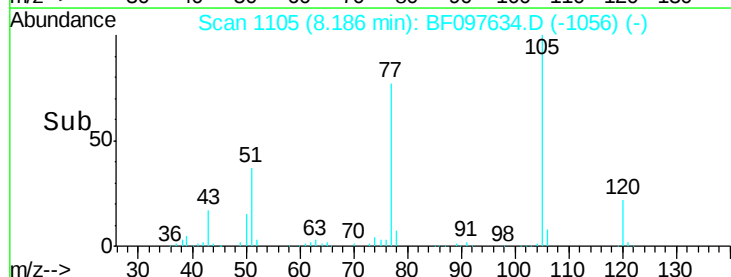


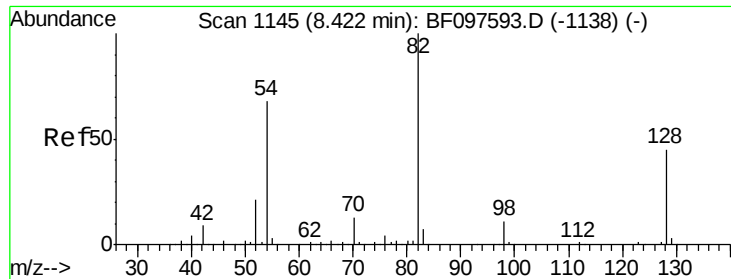
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

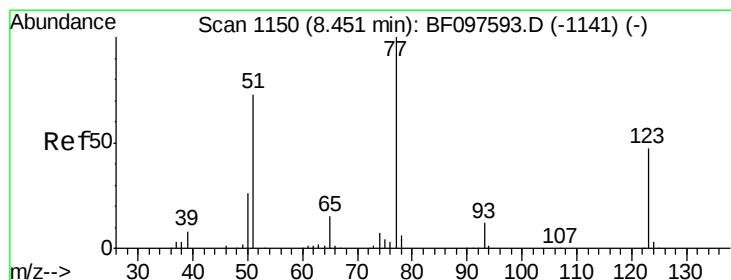
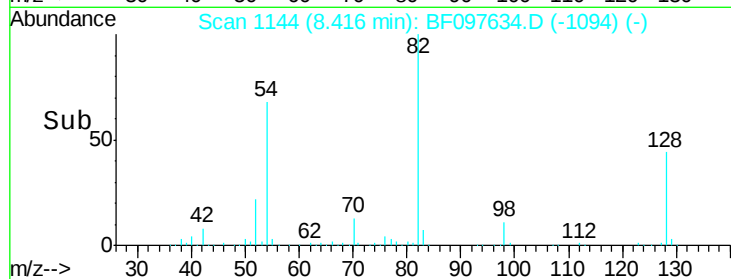
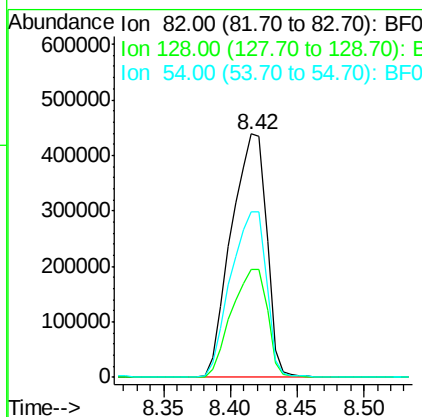
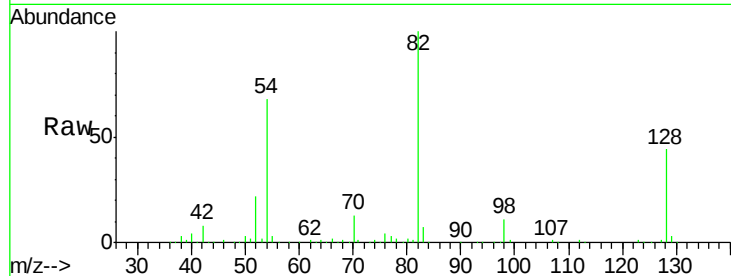




#23
Nitrobenzene-d5
Concen: 85.62 ng
RT: 8.42 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF097634.D
Acq: 12 Aug 2017 14:51

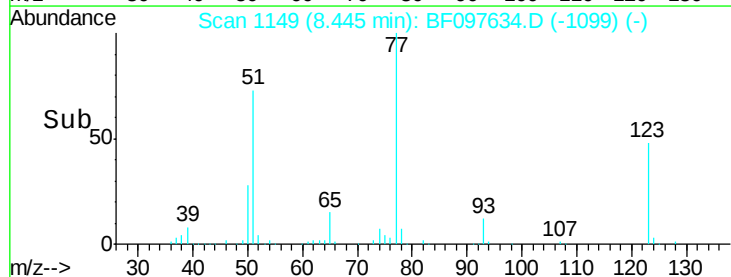
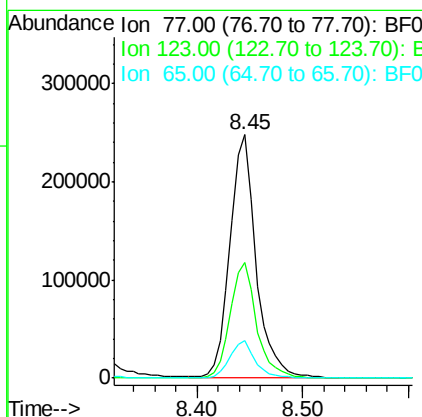
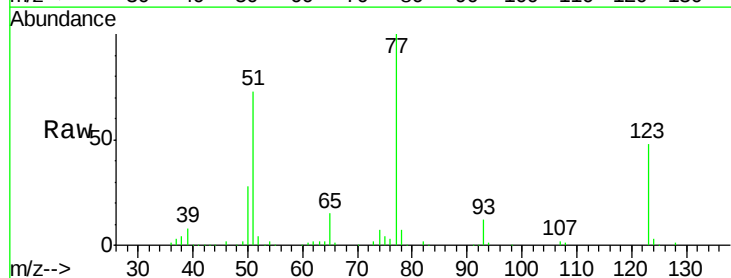
Instrument :
BNA_F
ClientSampleId :
PB101441BS

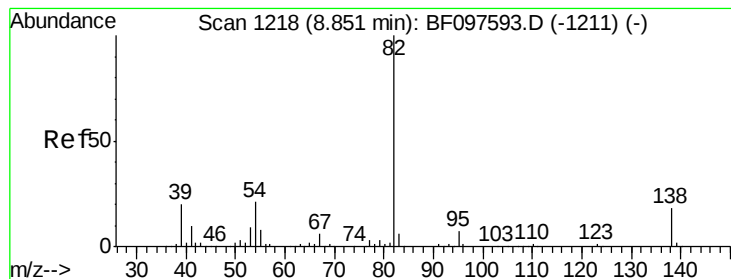
Tot Ion: 82 Resp: 808150
Ion Ratio Lower Upper
82 100
128 44.4 34.0 51.0
54 68.1 42.2 63.2#



#24
Nitrobenzene
Concen: 40.88 ng
RT: 8.45 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF097634.D
Acq: 12 Aug 2017 14:51

Tgt Ion: 77 Resp: 420531
Ion Ratio Lower Upper
77 100
123 47.7 35.8 53.8
65 15.5 10.6 15.8





#25

Isophorone

Concen: 45.55 ng

RT: 8.85 min Scan# 1217

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Instrument :

BNA_F

ClientSampleId :

PB101441BS

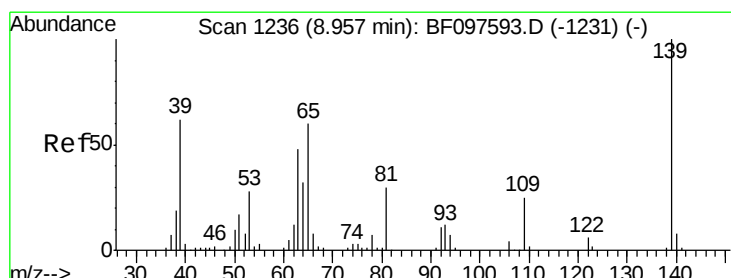
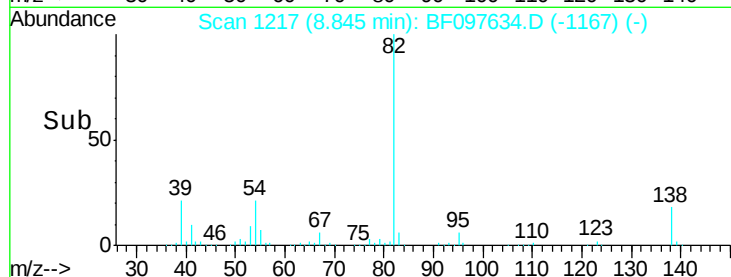
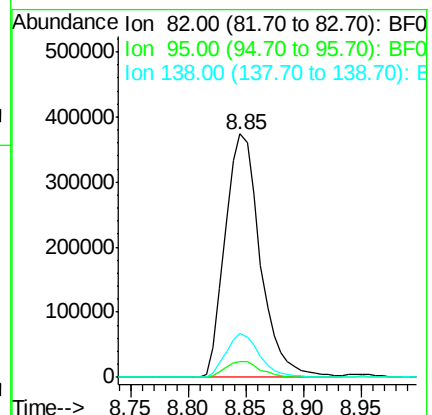
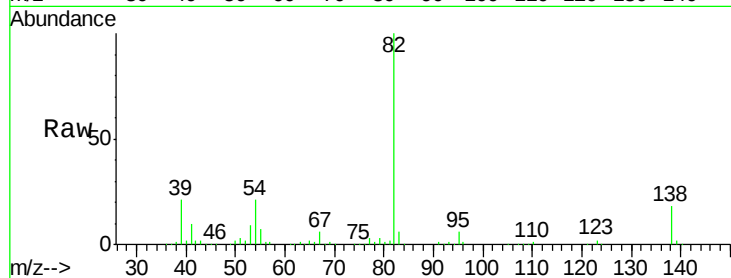
Tot Ion: 82 Resp: 791948

Ion Ratio Lower Upper

82 100

95 6.4 5.3 7.9

138 17.9 13.1 19.7



#26

2-Nitrophenol

Concen: 43.84 ng

RT: 8.95 min Scan# 1235

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

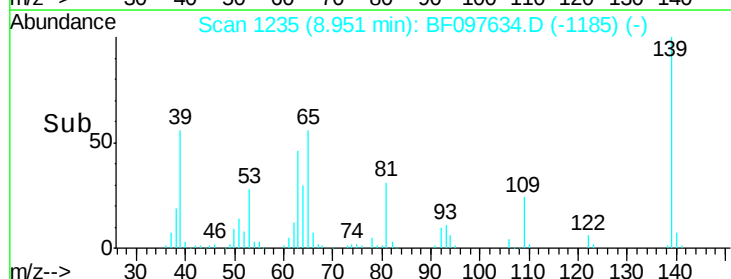
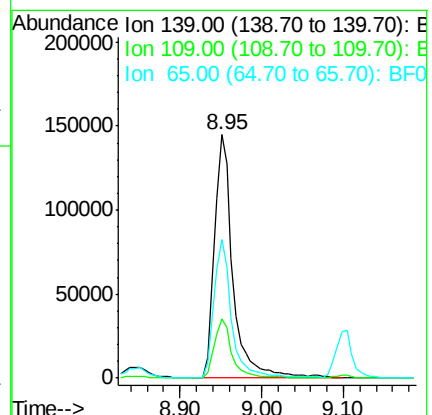
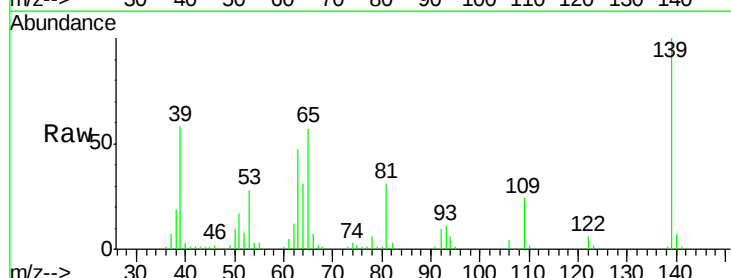
Tgt Ion: 139 Resp: 228065

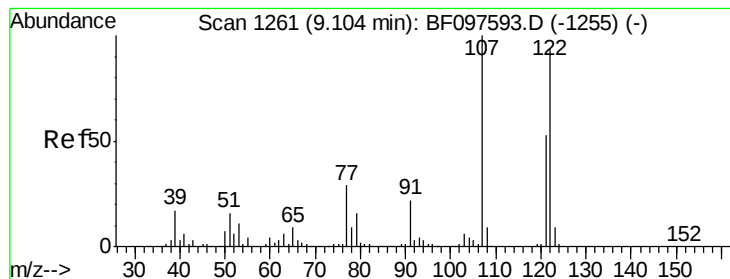
Ion Ratio Lower Upper

139 100

109 24.3 21.0 31.6

65 57.0 33.0 49.6#

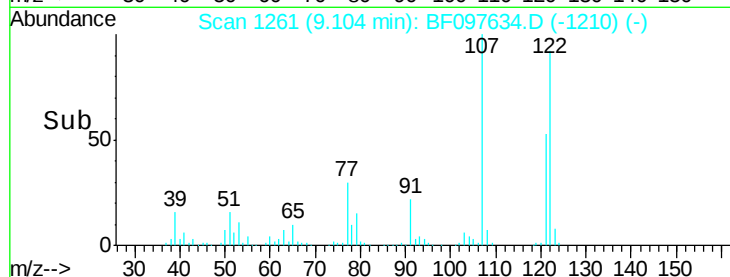
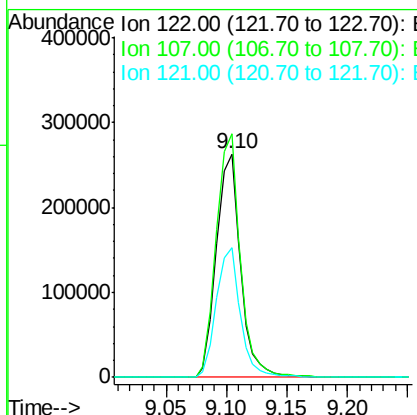
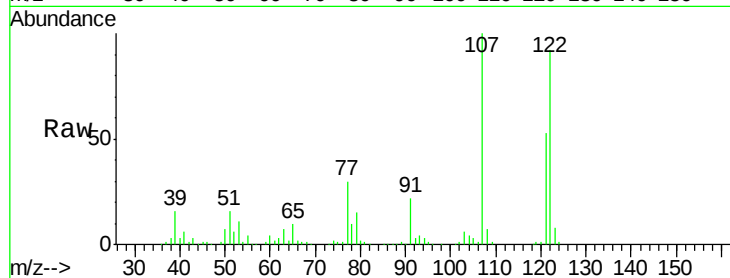




#27
 2,4-Dimethylphenol
 Concen: 42.17 ng
 RT: 9.10 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: BF097634.D
 Acq: 12 Aug 2017 14:51

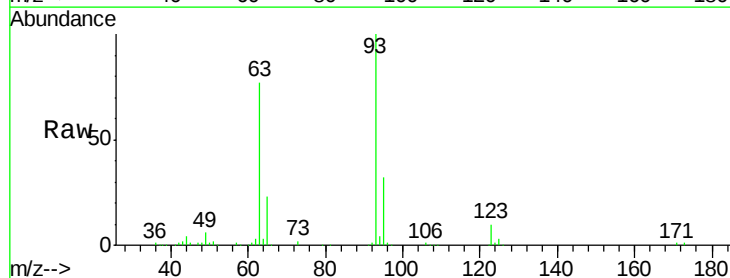
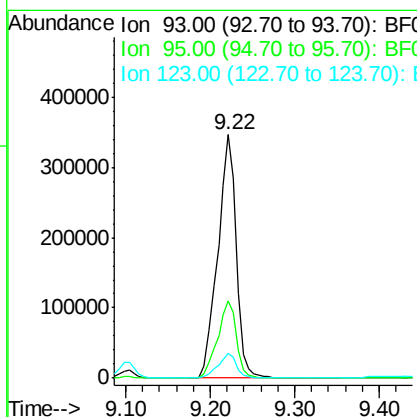
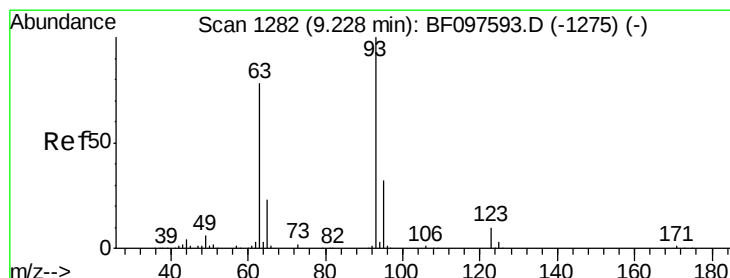
Instrument :
 BNA_F
 ClientSampleId :
 PB101441BS

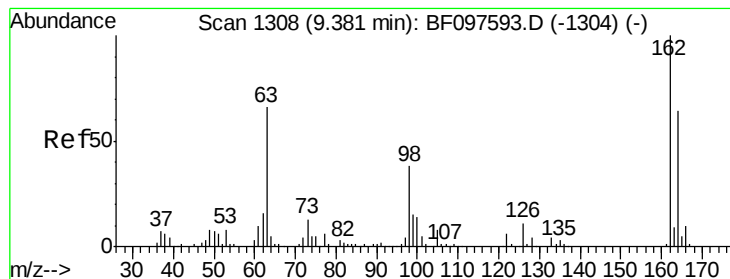
Tot Ion:	122	Resp:	365831
Ion	Ratio	Lower	Upper
122	100		
107	109.1	89.2	133.8
121	58.2	45.2	67.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 42.32 ng
 RT: 9.22 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: BF097634.D
 Acq: 12 Aug 2017 14:51

Tgt Ion:	93	Resp:	531682
Ion	Ratio	Lower	Upper
93	100		
95	32.0	26.5	39.7
123	10.2	9.0	13.4





#29

2,4-Dichlorophenol

Concen: 42.20 ng

RT: 9.37 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Instrument :

BNA_F

ClientSampleId :

PB101441BS

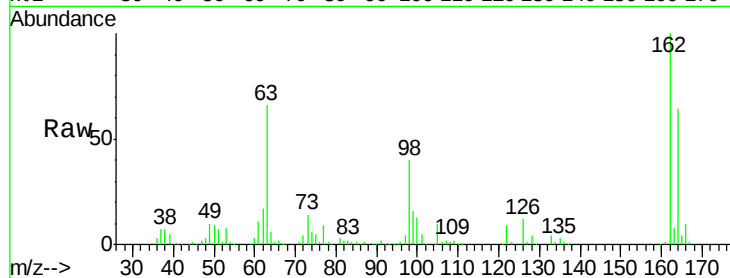
Tot Ion:162 Resp: 322803

Ion Ratio Lower Upper

162 100

164 63.9 44.6 84.6

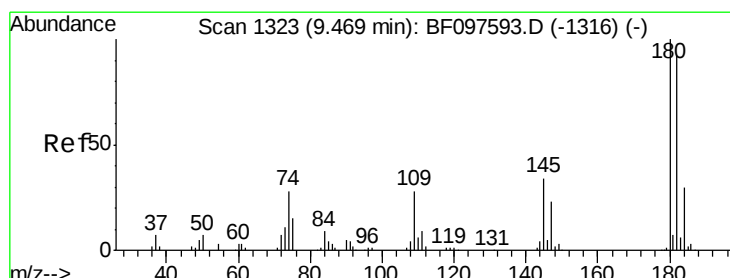
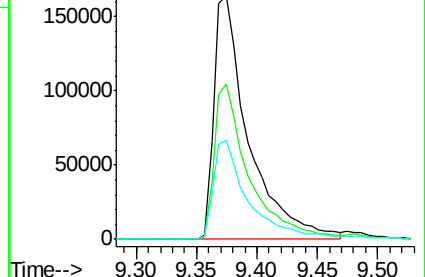
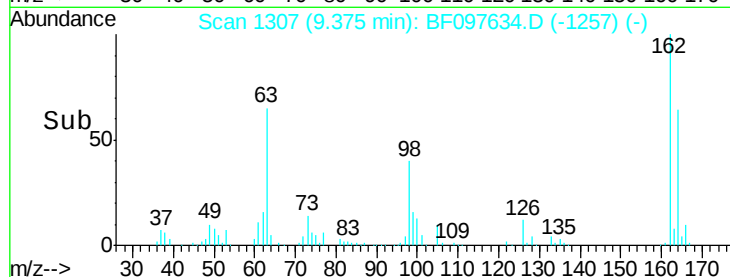
98 40.5 14.8 54.8



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 38.95 ng

RT: 9.46 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

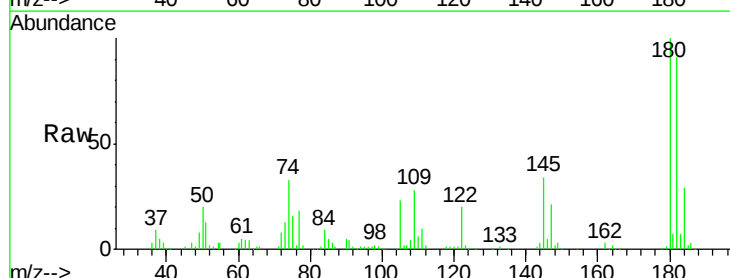
Tgt Ion:180 Resp: 295427

Ion Ratio Lower Upper

180 100

182 91.1 75.8 113.6

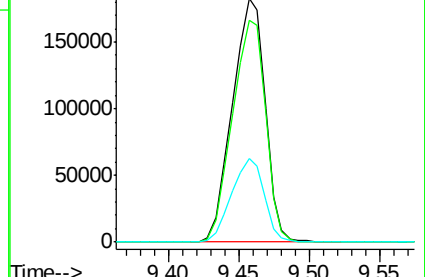
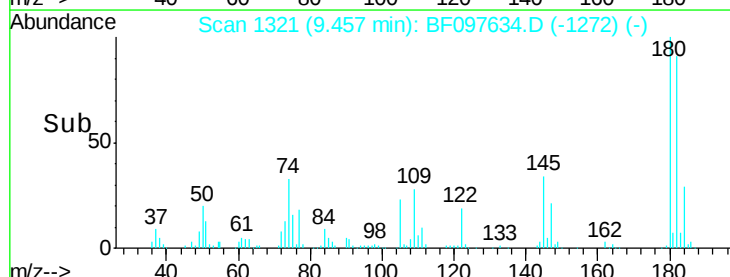
145 34.4 25.3 37.9

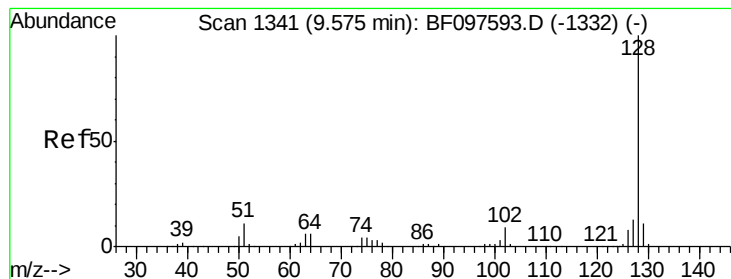


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 38.22 ng

RT: 9.56 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Instrument :

BNA_F

ClientSampleId :

PB101441BS

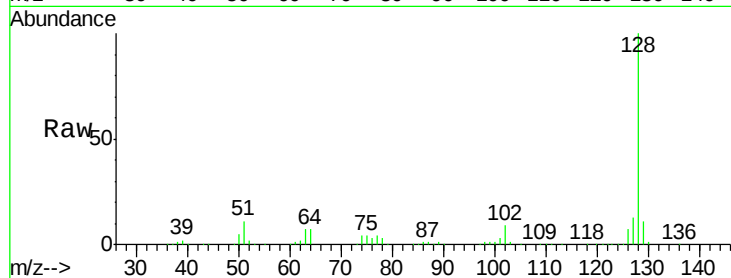
Tot Ion:128 Resp: 1132997

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

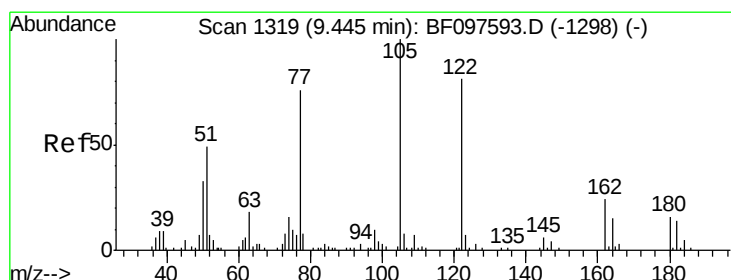
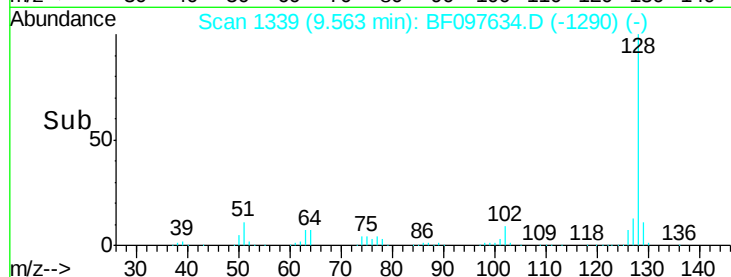
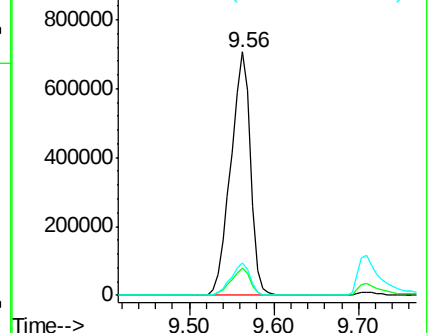
127 13.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 39.11 ng

RT: 9.46 min Scan# 1321

Delta R.T. 0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

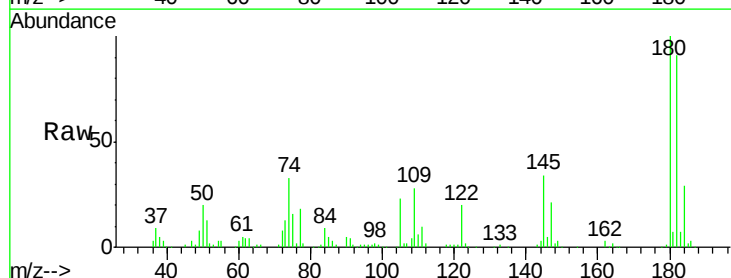
Tgt Ion:122 Resp: 182842

Ion Ratio Lower Upper

122 100

105 115.5 103.3 143.3

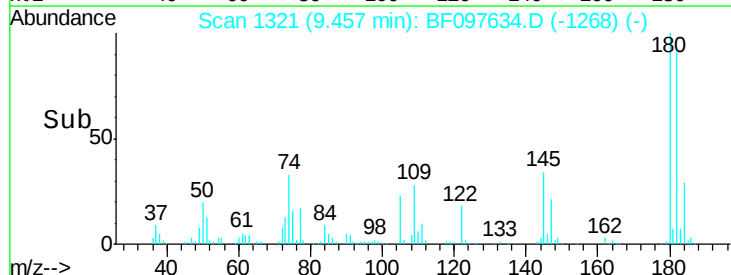
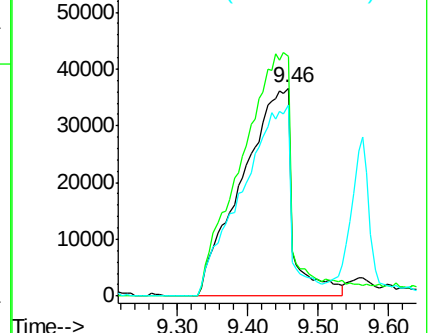
77 91.7 73.7 113.7

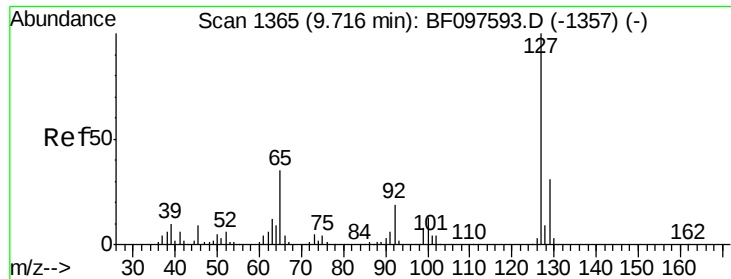


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

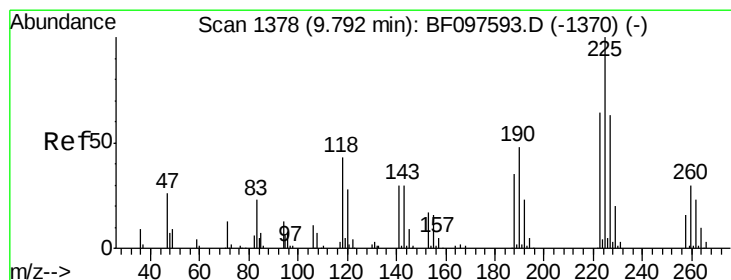
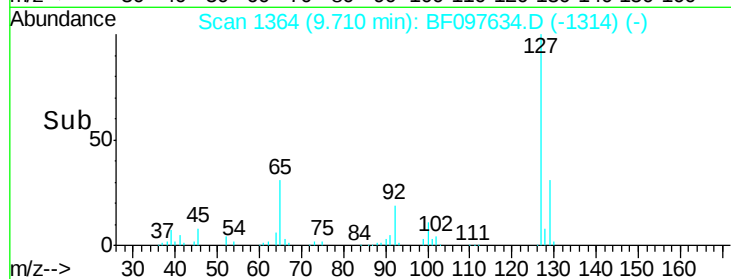
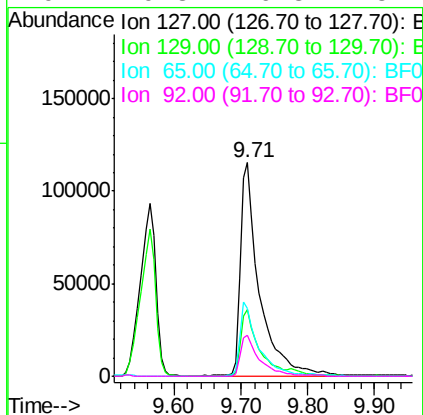
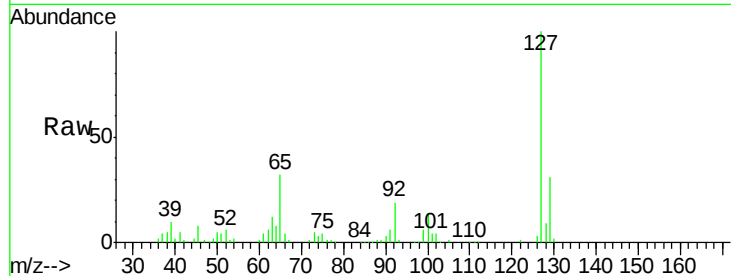




#33
4-Chloroaniline
Concen: 18.59 ng
RT: 9.71 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BF097634.D
Acq: 12 Aug 2017 14:51

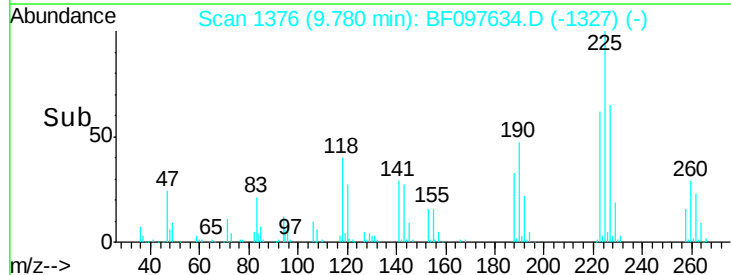
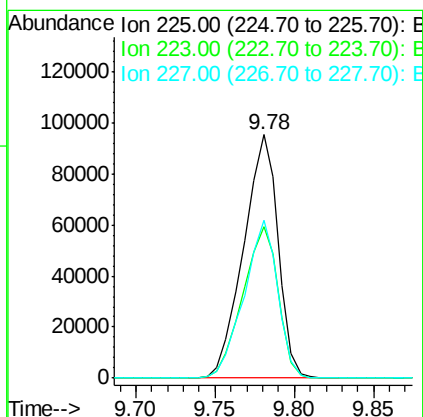
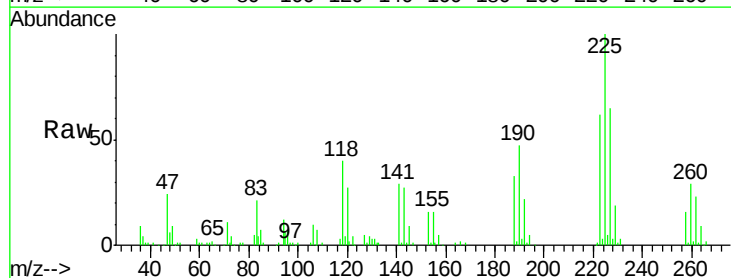
Instrument :
BNA_F
ClientSampleId :
PB101441BS

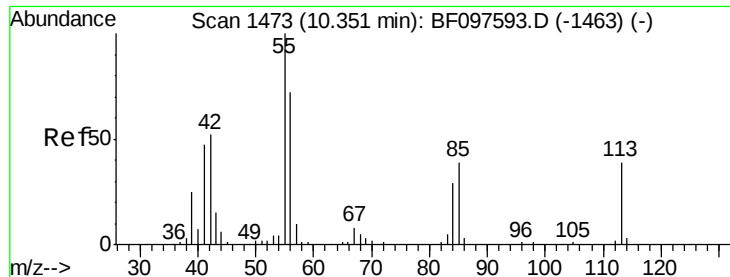
Tot Ion:	127	Resp:	228245
Ion	Ratio	Lower	Upper
127	100		
129	31.5	26.2	39.2
65	32.0	27.8	41.8
92	19.3	16.8	25.2



#34
Hexachlorobutadiene
Concen: 34.76 ng
RT: 9.78 min Scan# 1376
Delta R.T. -0.01 min
Lab File: BF097634.D
Acq: 12 Aug 2017 14:51

Tgt Ion:	225	Resp:	144004
Ion	Ratio	Lower	Upper
225	100		
223	62.0	48.8	73.2
227	64.7	51.1	76.7





#35

Caprolactam

Concen: 22.47 ng

RT: 10.35 min Scan# 1473

Delta R.T. -0.00 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Instrument :

BNA_F

ClientSampleId :

PB101441BS

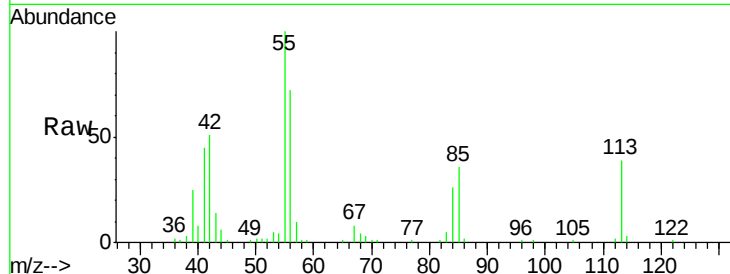
Tot Ion:113 Resp: 55388

Ion Ratio Lower Upper

113 100

55 258.5 150.2 190.2#

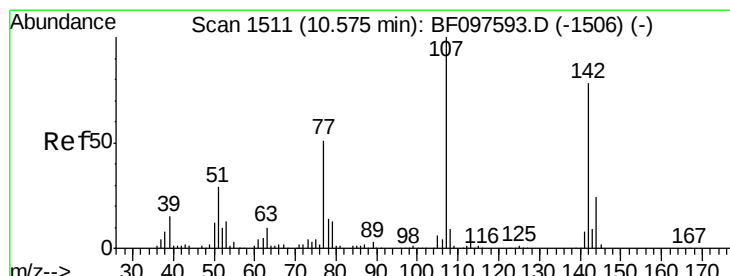
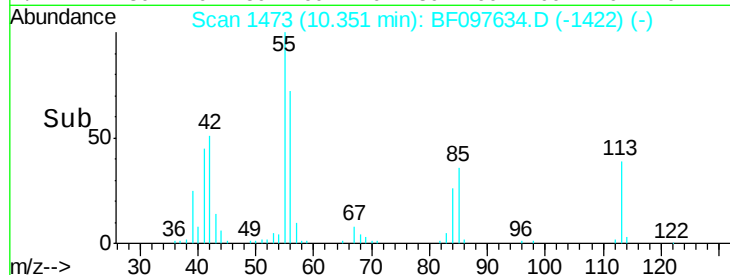
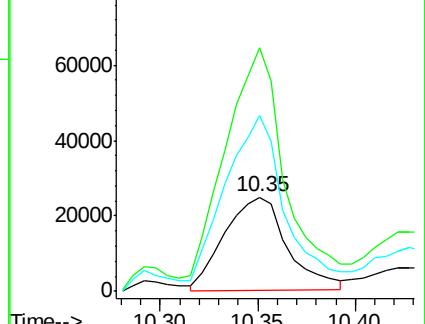
56 186.0 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 38.32 ng

RT: 10.59 min Scan# 1513

Delta R.T. 0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

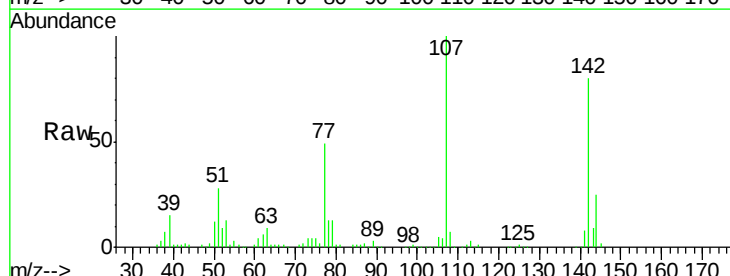
Tgt Ion:107 Resp: 329386

Ion Ratio Lower Upper

107 100

144 25.2 24.2 36.4

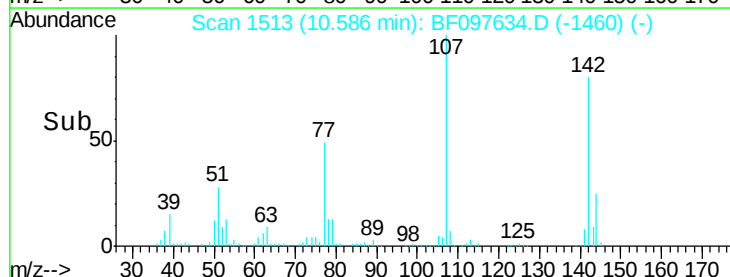
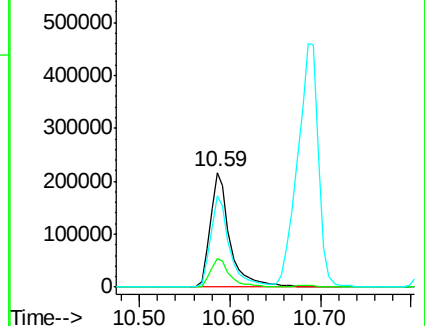
142 79.6 73.4 110.0

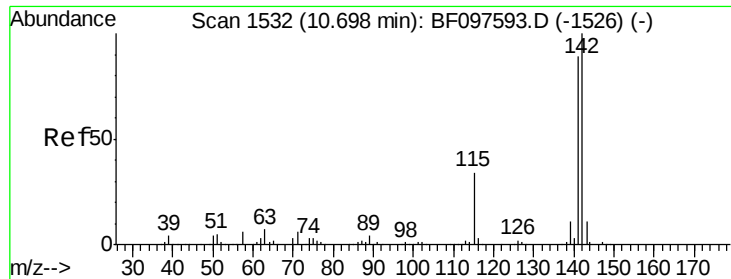


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

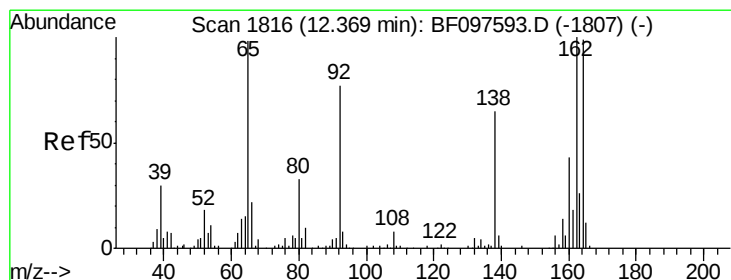
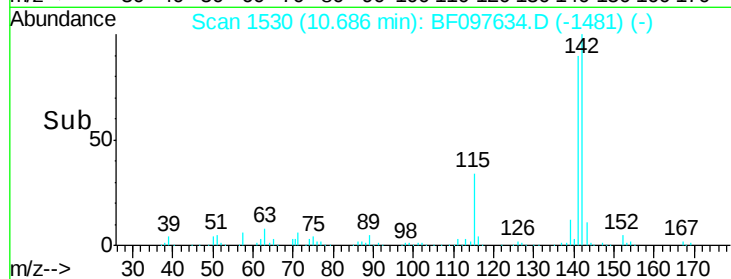
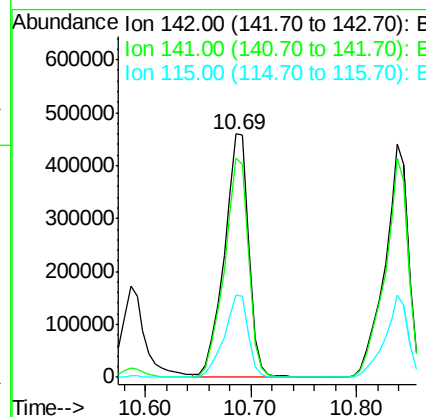
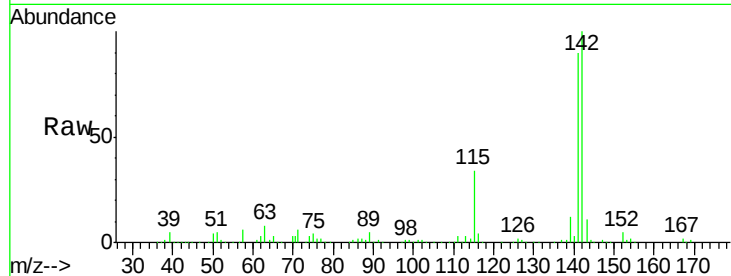




#37
2-Methylnaphthalene
Concen: 39.61 ng
RT: 10.69 min Scan# 1530
Delta R.T. -0.01 min
Lab File: BF097634.D
Acq: 12 Aug 2017 14:51

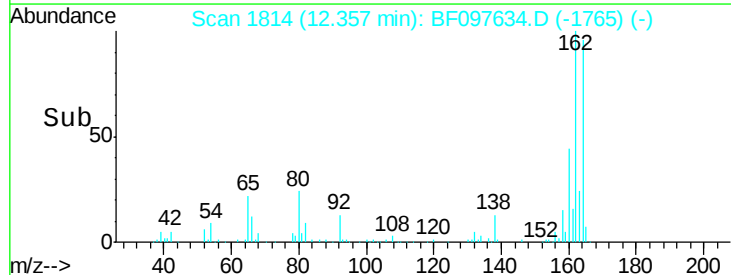
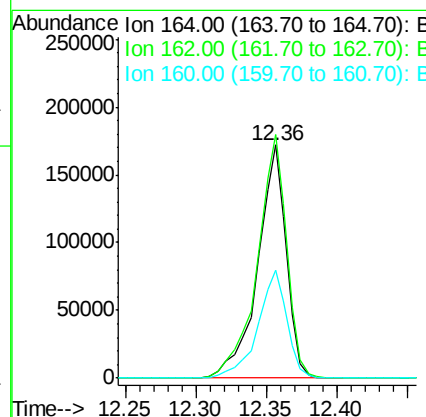
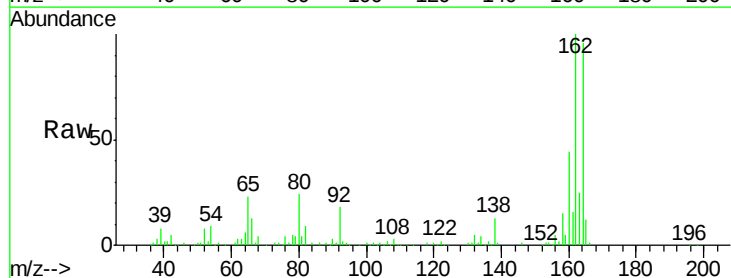
Instrument :
BNA_F
ClientSampleId :
PB101441BS

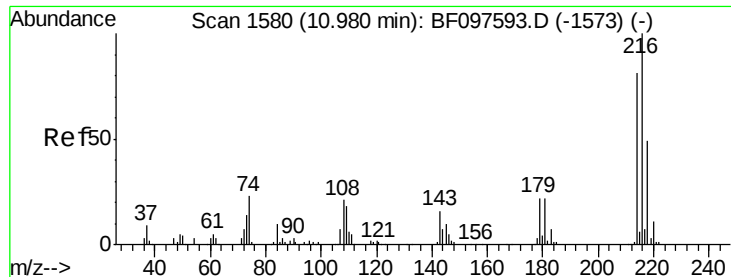
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.3	106.9
115	34.0	27.1	40.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.36 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF097634.D
Acq: 12 Aug 2017 14:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	82.6	123.8
160	46.1	36.2	54.2





#39

1,2,4,5-Tetrachlorobenzene

Concen: 38.61 ng

RT: 10.97 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Instrument :

BNA_F

ClientSampleId :

PB101441BS

Tot Ion:216 Resp: 267104

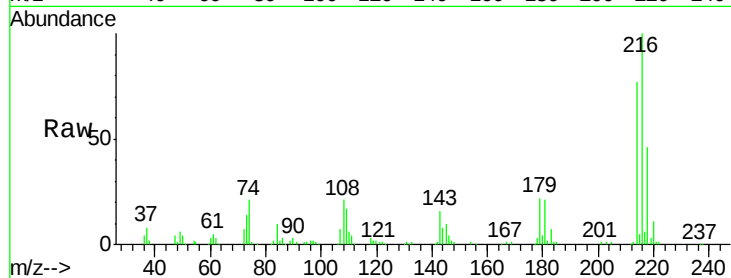
Ion Ratio Lower Upper

216 100

214 78.5 63.4 95.2

179 22.8 17.9 26.9

108 23.8 16.5 24.7

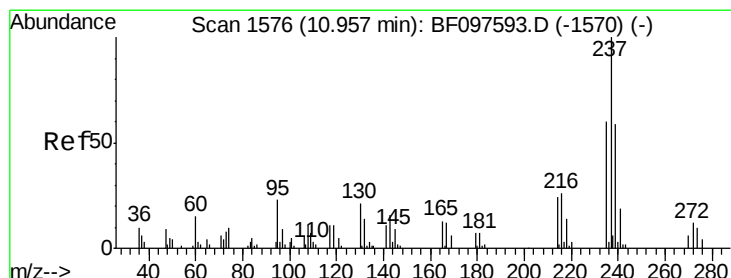
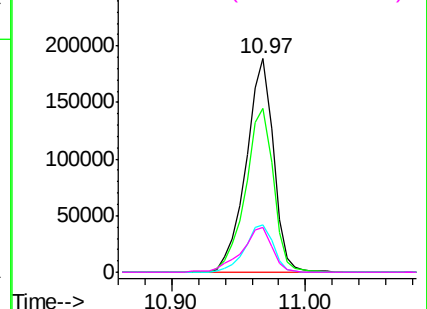
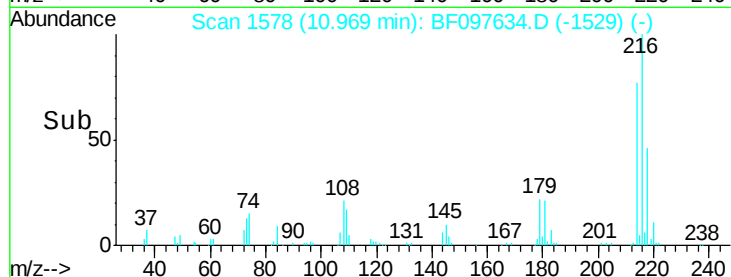


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 96.09 ng

RT: 10.95 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

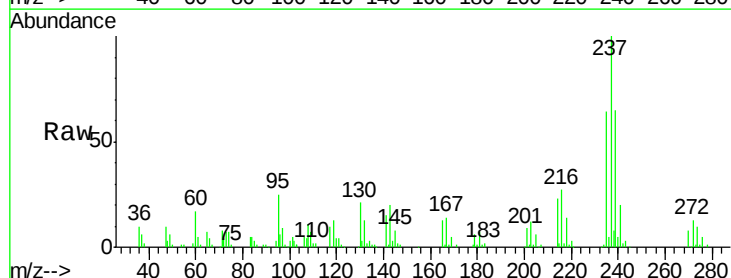
Tgt Ion:237 Resp: 146691

Ion Ratio Lower Upper

237 100

235 63.8 42.6 82.6

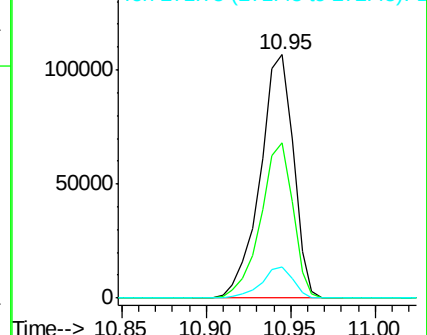
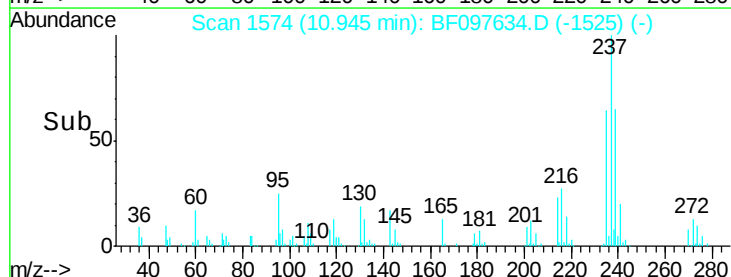
272 12.7 0.0 31.9

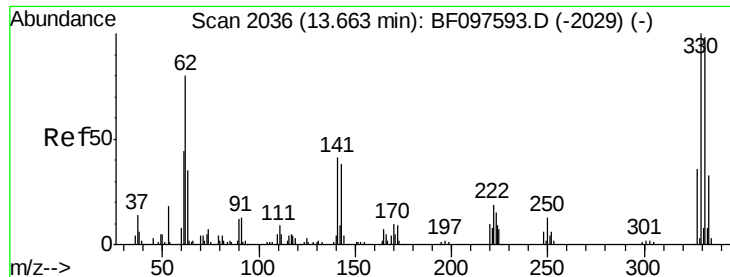


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

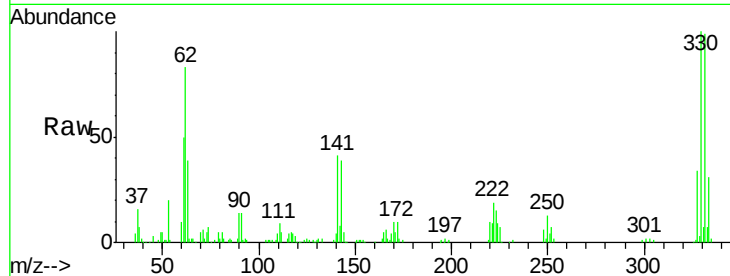




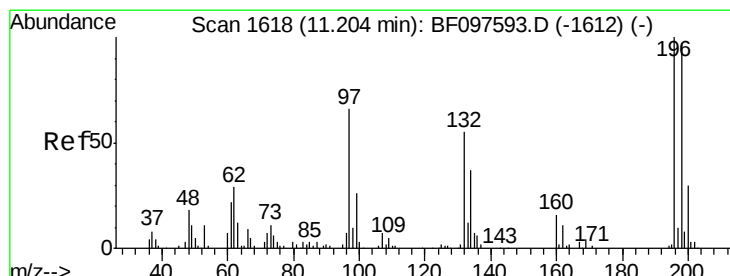
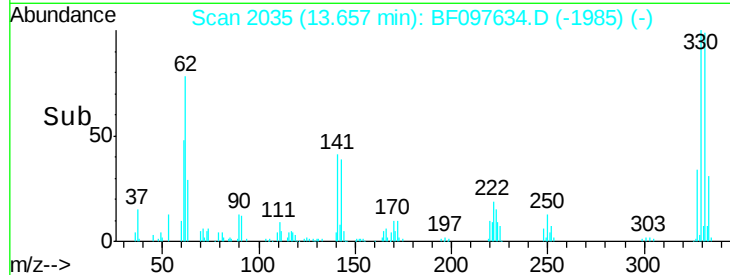
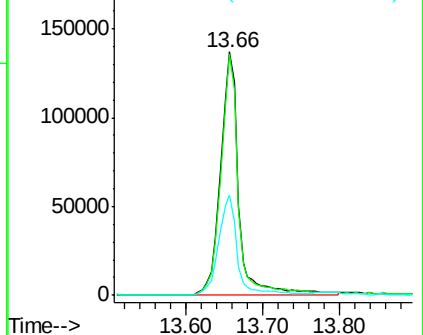
#41
 2,4,6-Tribromophenol
 Concen: 122.08 ng
 RT: 13.66 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF097634.D
 Acq: 12 Aug 2017 14:51

Instrument :
 BNA_F
 ClientSampleId :
 PB101441BS

Tot Ion:330 Resp: 226702
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.6 115.0
 141 42.1 31.4 47.2

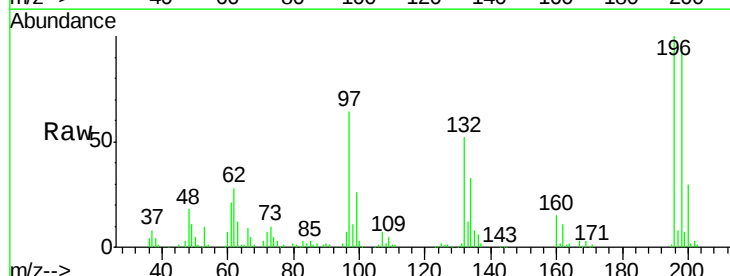


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

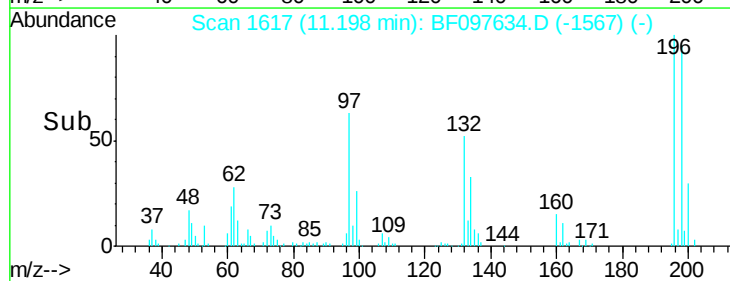
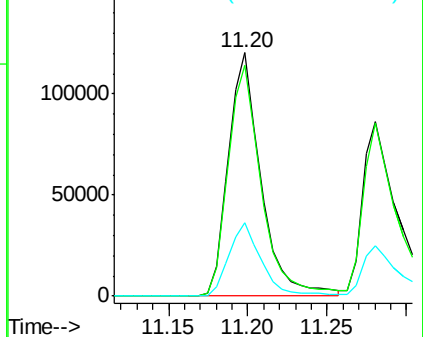


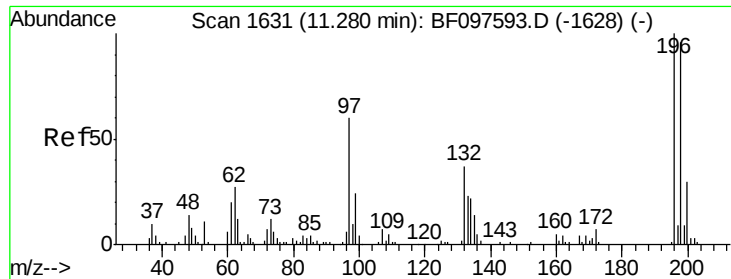
#42
 2,4,6-Trichlorophenol
 Concen: 37.70 ng
 RT: 11.20 min Scan# 1617
 Delta R.T. -0.01 min
 Lab File: BF097634.D
 Acq: 12 Aug 2017 14:51

Tgt Ion:196 Resp: 171823
 Ion Ratio Lower Upper
 196 100
 198 94.6 74.2 111.4
 200 29.9 24.0 36.0



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

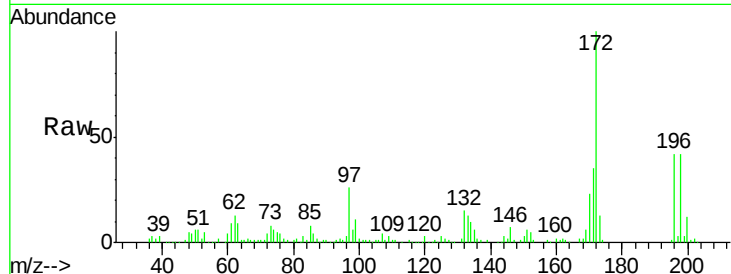




#43
 2,4,5-Trichlorophenol
 Concen: 37.89 ng
 RT: 11.28 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: BF097634.D
 Acq: 12 Aug 2017 14:51

Instrument :
 BNA_F
 ClientSampleId :
 PB101441BS

Tot Ion	Ion	Ratio	Lower	Upper
196	100			
198	99.7	75.7	113.5	
97	61.2	47.7	71.5	
132	35.9	28.0	42.0	



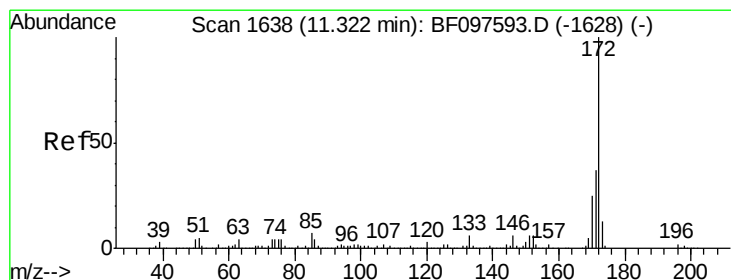
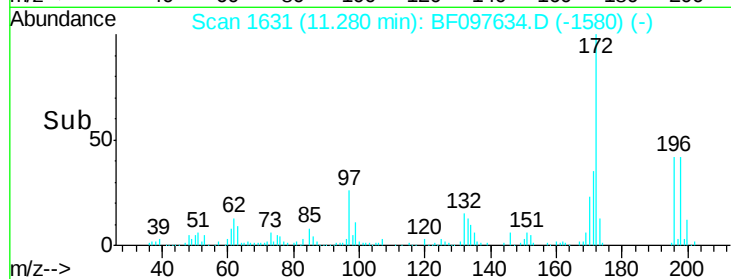
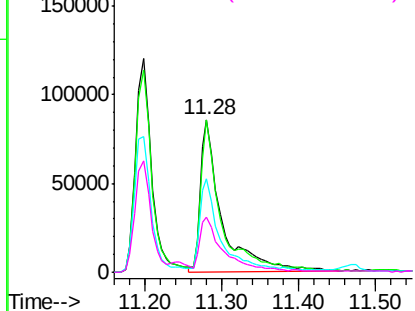
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

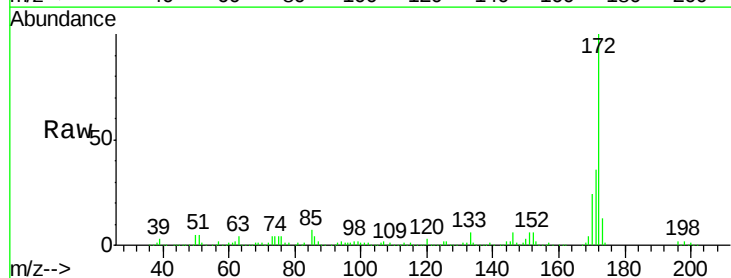
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 81.98 ng
 RT: 11.31 min Scan# 1636
 Delta R.T. -0.01 min
 Lab File: BF097634.D
 Acq: 12 Aug 2017 14:51

Tgt Ion	Ion	Ratio	Lower	Upper
172	100			
171	35.8	29.6	44.4	
170	24.2	19.8	29.8	

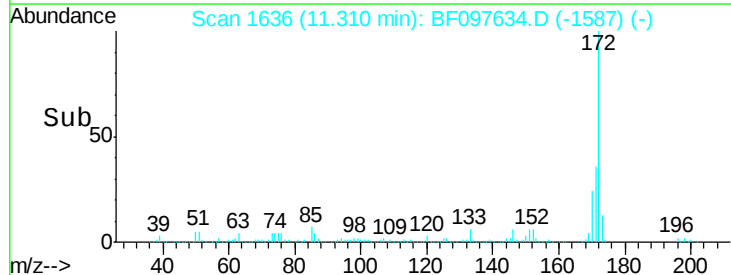
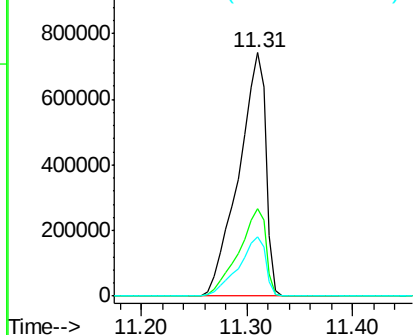


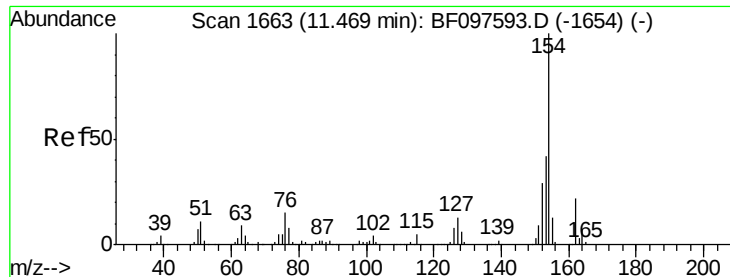
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 38.50 ng

RT: 11.46 min Scan# 1661

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Instrument :

BNA_F

ClientSampleId :

PB101441BS

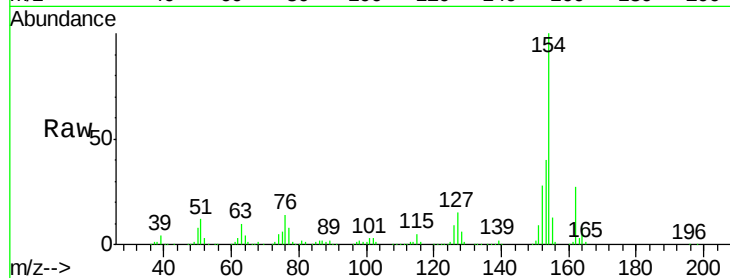
Tot Ion:154 Resp: 807021

Ion Ratio Lower Upper

154 100

153 40.5 21.2 61.2

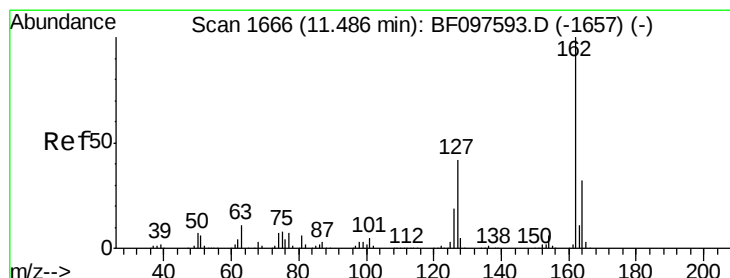
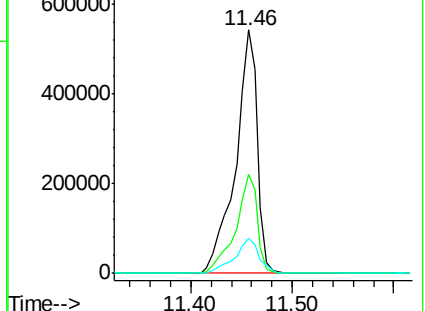
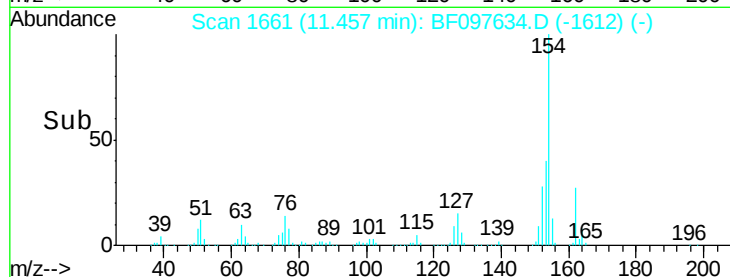
76 14.4 0.0 29.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 38.30 ng

RT: 11.47 min Scan# 1664

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

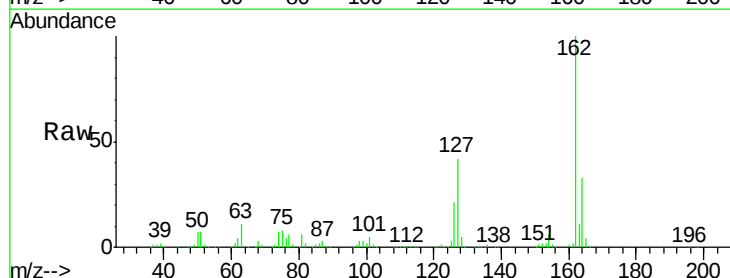
Tgt Ion:162 Resp: 616262

Ion Ratio Lower Upper

162 100

127 41.9 28.3 42.5

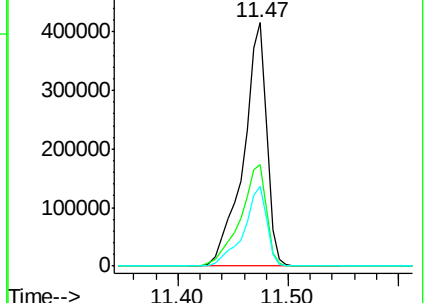
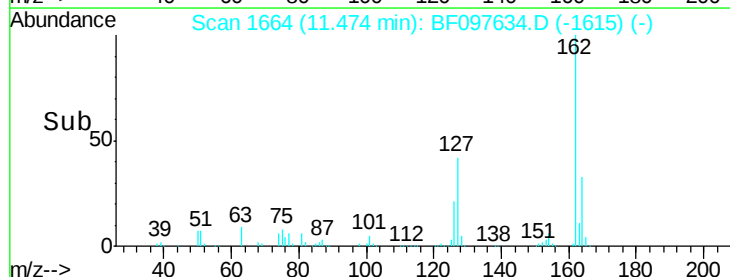
164 32.8 27.0 40.4

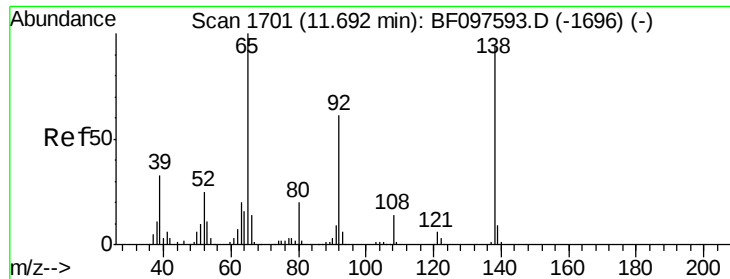


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 36.69 ng

RT: 11.69 min Scan# 1701

Delta R.T. -0.00 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Instrument :

BNA_F

ClientSampleId :

PB101441BS

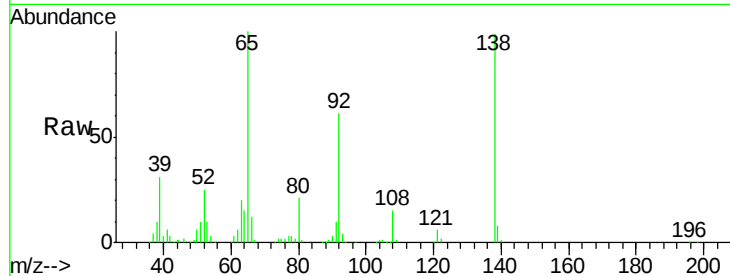
Tot Ion: 65 Resp: 231264

Ion Ratio Lower Upper

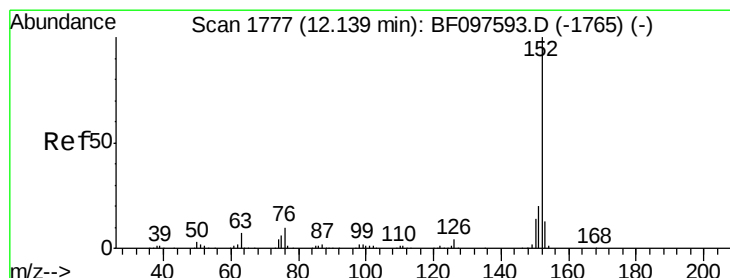
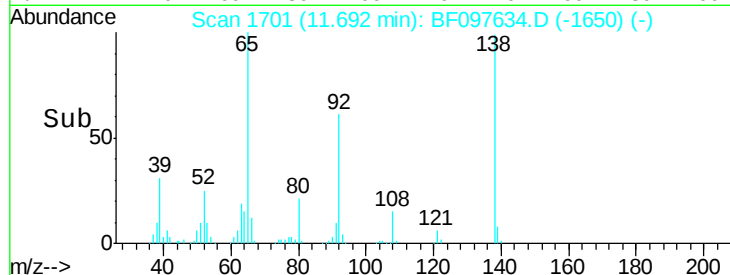
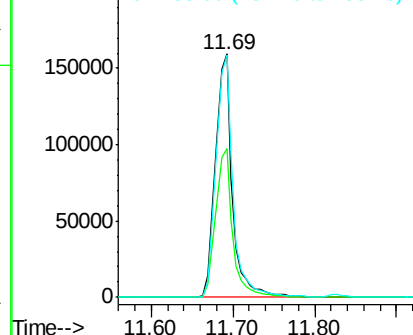
65 100

92 61.4 53.9 80.9

138 99.5 78.8 118.2



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#48

Acenaphthylene

Concen: 39.92 ng

RT: 12.13 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

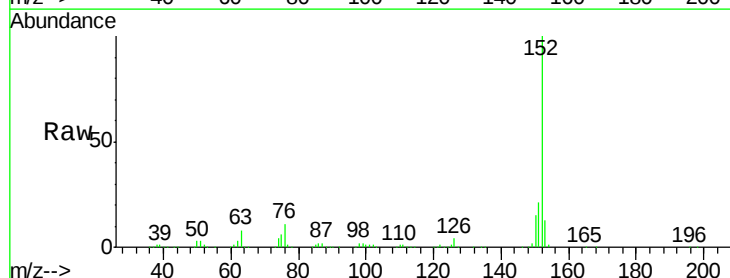
Tgt Ion: 152 Resp: 1021161

Ion Ratio Lower Upper

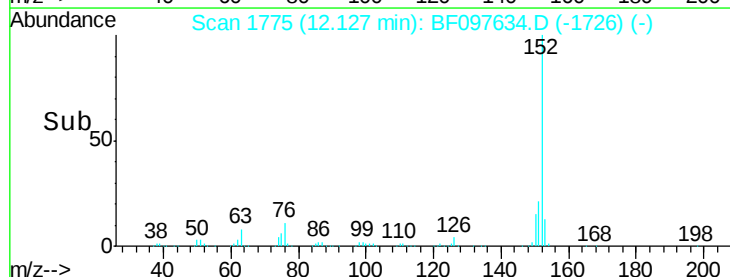
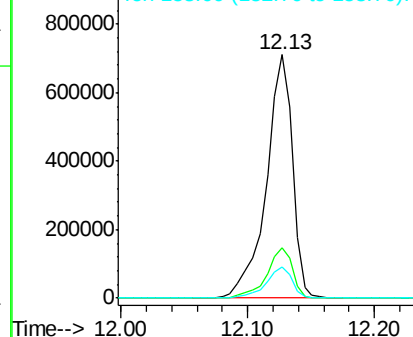
152 100

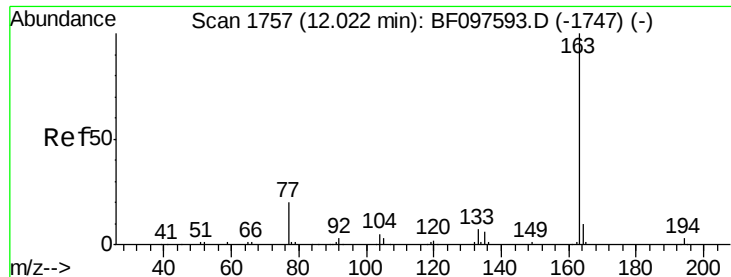
151 20.5 16.8 25.2

153 12.8 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 38.78 ng

RT: 12.02 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Instrument :

BNA_F

ClientSampleId :

PB101441BS

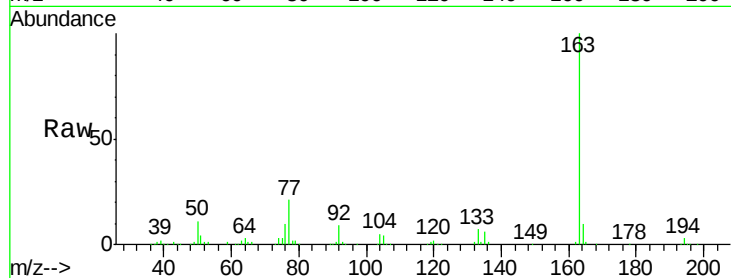
Tot Ion:163 Resp: 730118

Ion Ratio Lower Upper

163 100

194 2.9 2.6 4.0

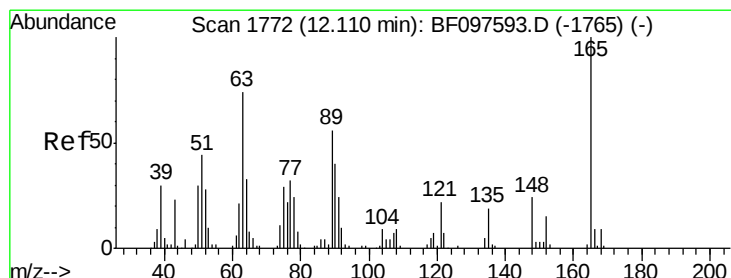
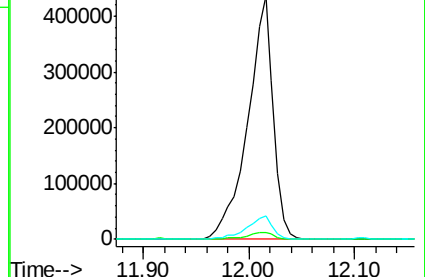
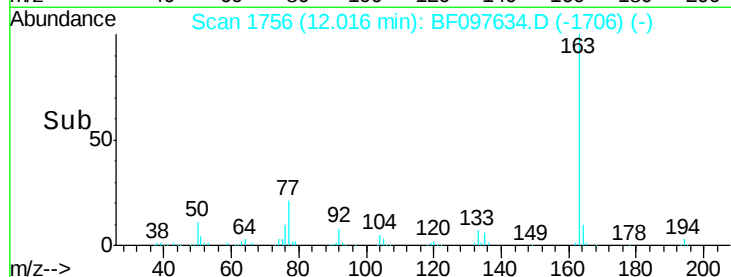
164 9.8 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 42.26 ng

RT: 12.11 min Scan# 1772

Delta R.T. -0.00 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

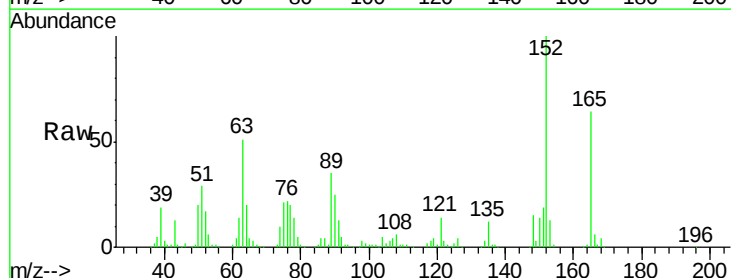
Tgt Ion:165 Resp: 164281

Ion Ratio Lower Upper

165 100

63 79.9 34.3 51.5#

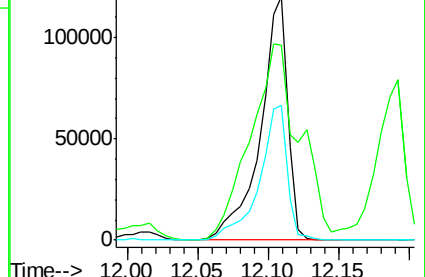
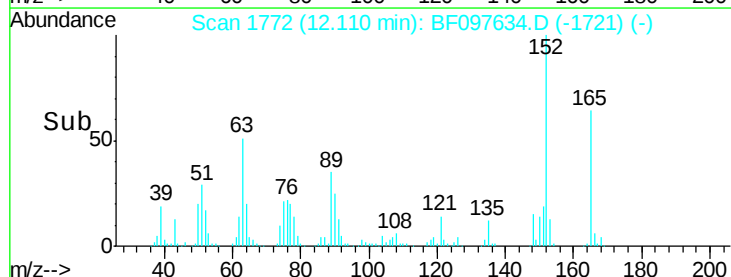
89 55.3 37.1 55.7

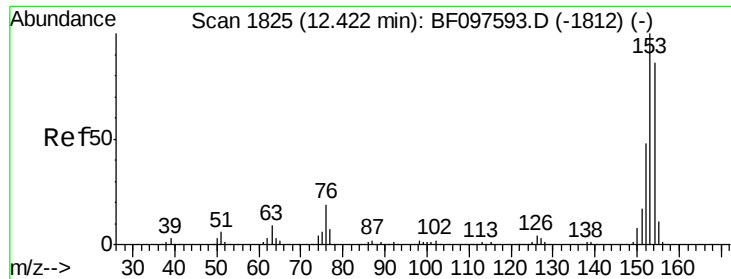


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 36.68 ng

RT: 12.41 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Instrument :

BNA_F

ClientSampled :

PB101441BS

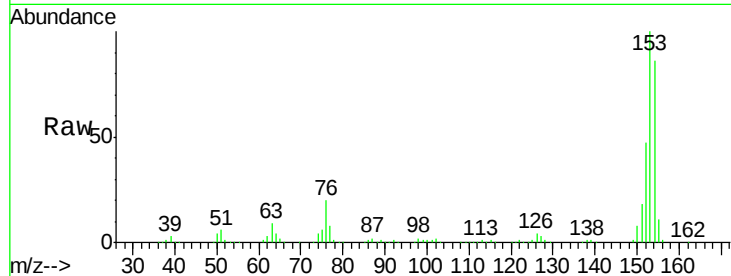
Tot Ion:154 Resp: 562439

Ion Ratio Lower Upper

154 100

153 116.1 90.5 135.7

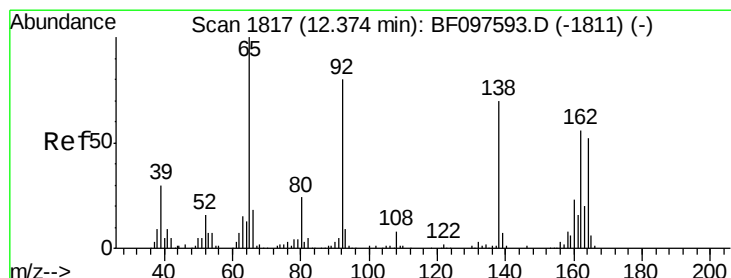
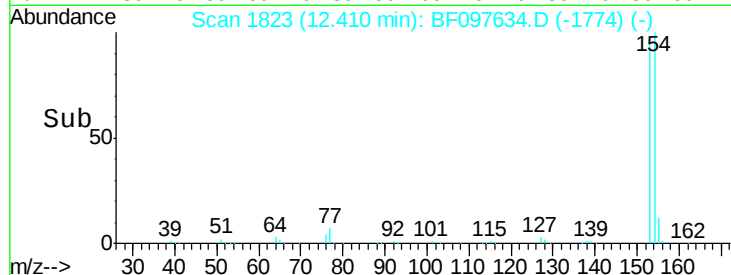
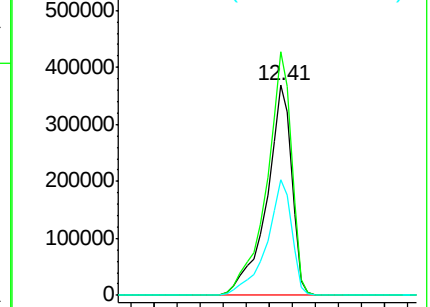
152 55.1 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 22.83 ng

RT: 12.37 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

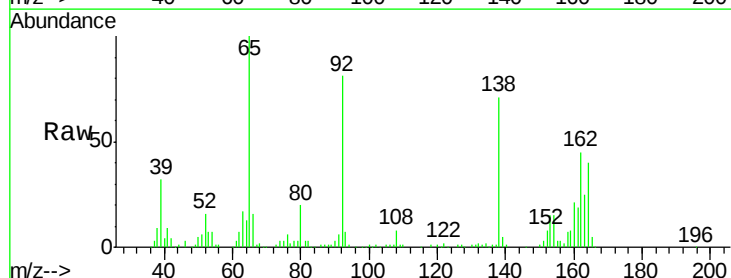
Tgt Ion:138 Resp: 116221

Ion Ratio Lower Upper

138 100

108 10.7 9.1 13.7

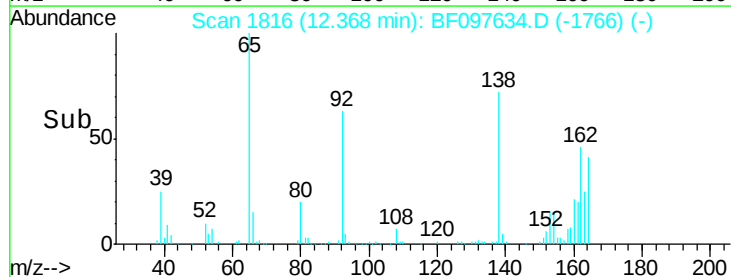
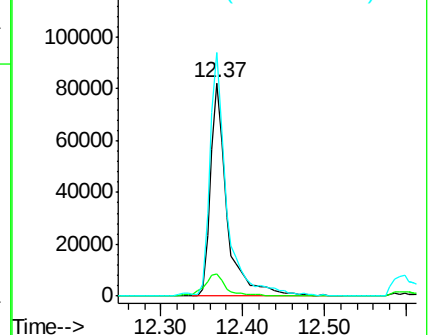
92 114.3 93.8 140.6

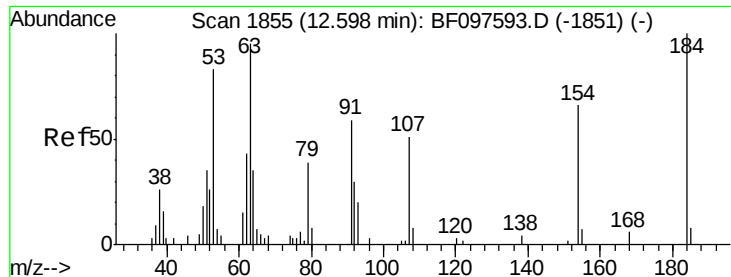


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

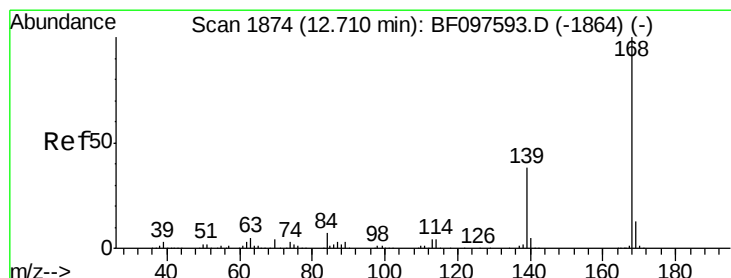
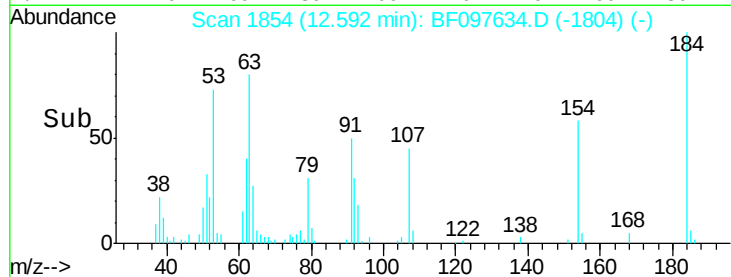
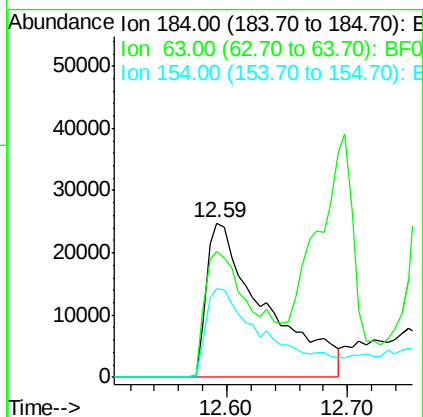
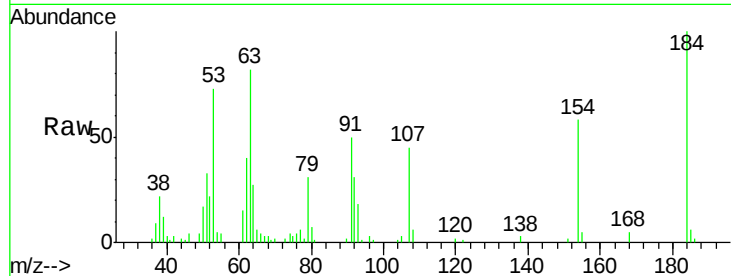




#53
 2,4-Dinitrophenol
 Concen: 51.60 ng
 RT: 12.59 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF097634.D
 Acq: 12 Aug 2017 14:51

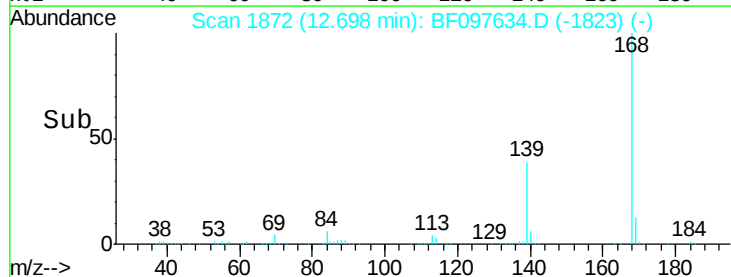
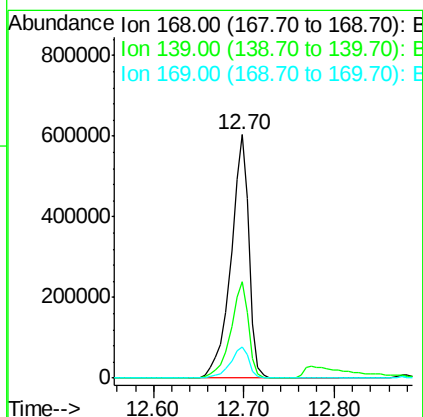
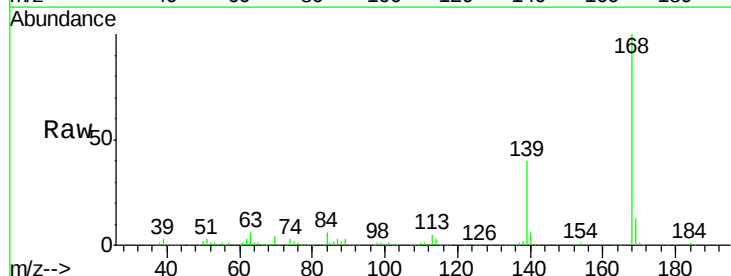
Instrument :
 BNA_F
 ClientSampleId :
 PB101441BS

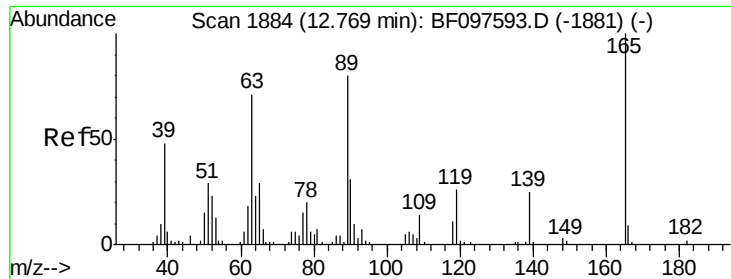
Tot Ion:184 Resp: 82698
 Ion Ratio Lower Upper
 184 100
 63 81.7 62.7 94.1
 154 57.6 81.1 121.7#



#54
 Dibenzofuran
 Concen: 38.95 ng
 RT: 12.70 min Scan# 1872
 Delta R.T. -0.01 min
 Lab File: BF097634.D
 Acq: 12 Aug 2017 14:51

Tgt Ion:168 Resp: 836035
 Ion Ratio Lower Upper
 168 100
 139 39.8 30.6 45.8
 169 13.0 10.8 16.2





#55

4-Nitrophenol

Concen: 65.35 ng

RT: 12.77 min Scan# 1885

Delta R.T. 0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Instrument :

BNA_F

ClientSampleId :

PB101441BS

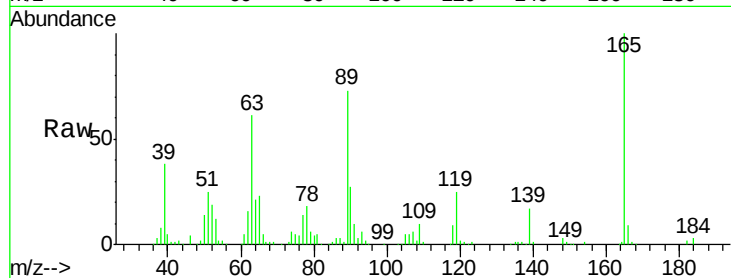
Tot Ion:139 Resp: 126696

Ion Ratio Lower Upper

139 100

109 59.2 34.1 74.1

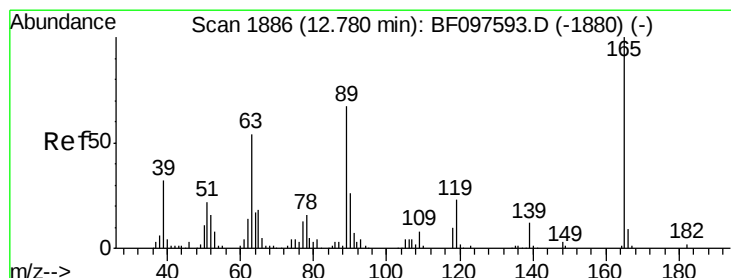
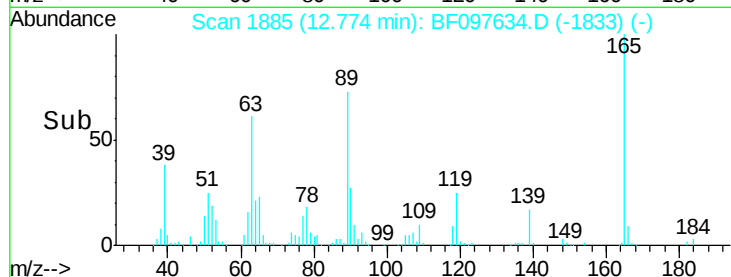
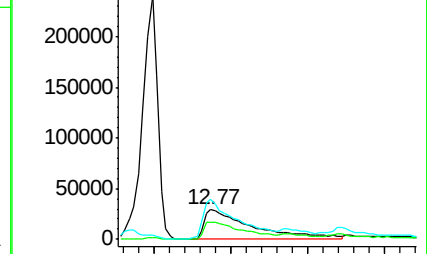
65 136.5 31.4 71.4#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 45.92 ng

RT: 12.77 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Tgt Ion:165 Resp: 238271

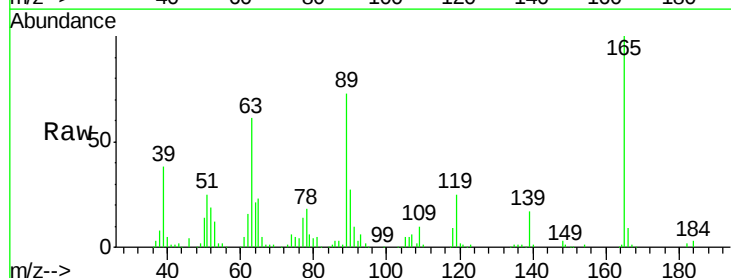
Ion Ratio Lower Upper

165 100

63 61.2 25.4 38.0#

89 72.6 46.4 69.6#

182 2.1 1.8 2.6

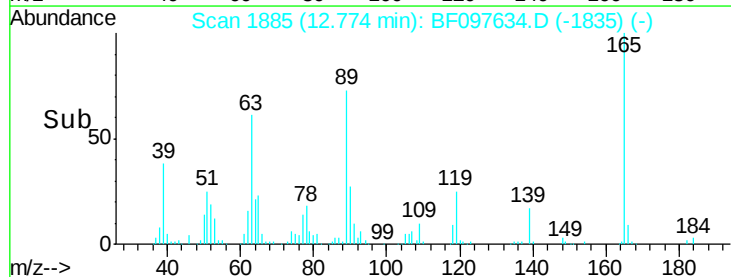
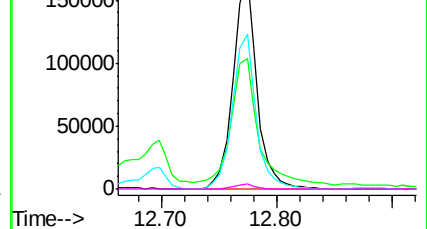


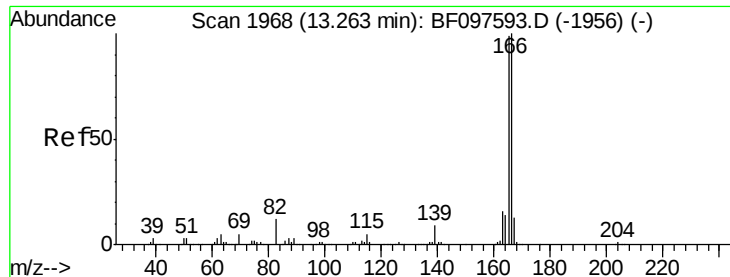
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 40.63 ng

RT: 13.25 min Scan# 1966

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Instrument :

BNA_F

ClientSampleId :

PB101441BS

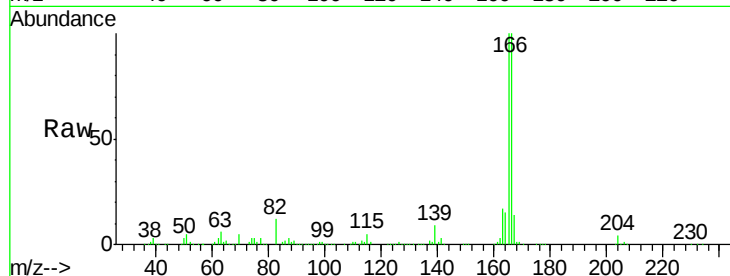
Tot Ion:166 Resp: 717253

Ion Ratio Lower Upper

166 100

165 100.2 78.8 118.2

167 13.7 10.6 16.0

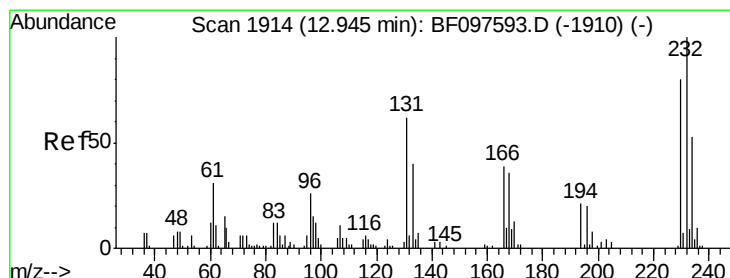
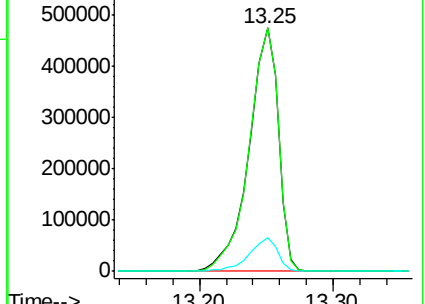
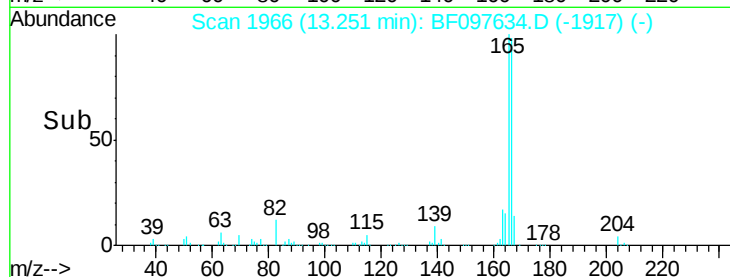


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

13.25



#58

2,3,4,6-Tetrachlorophenol

Concen: 41.71 ng

RT: 12.94 min Scan# 1914

Delta R.T. -0.00 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Tgt Ion:232 Resp: 123323

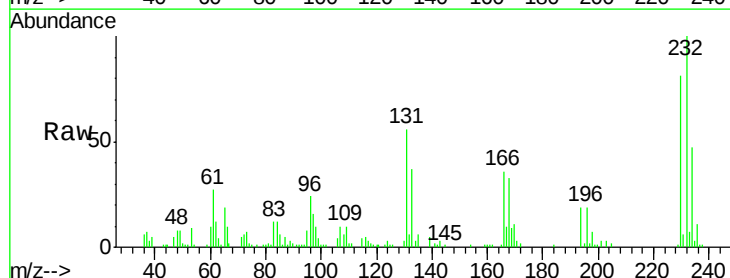
Ion Ratio Lower Upper

232 100

131 60.3 44.8 67.2

130 3.2 2.3 3.5

166 38.5 29.0 43.4



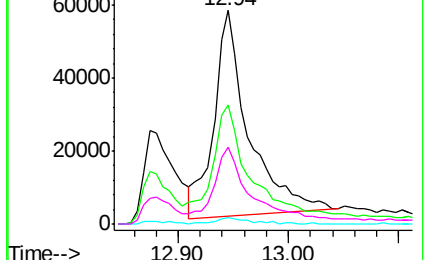
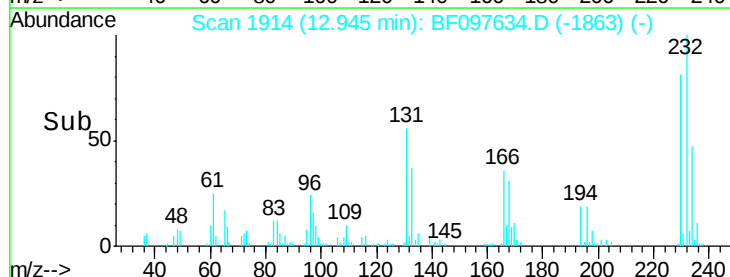
Abundance Ion 232.00 (231.70 to 232.70): E

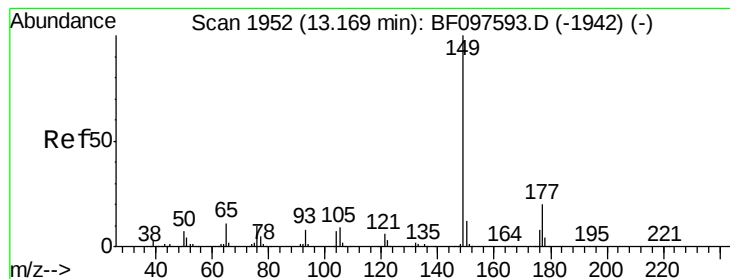
Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

12.94





#59

Diethylphthalate

Concen: 44.60 ng

RT: 13.16 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Instrument :

BNA_F

ClientSampleId :

PB101441BS

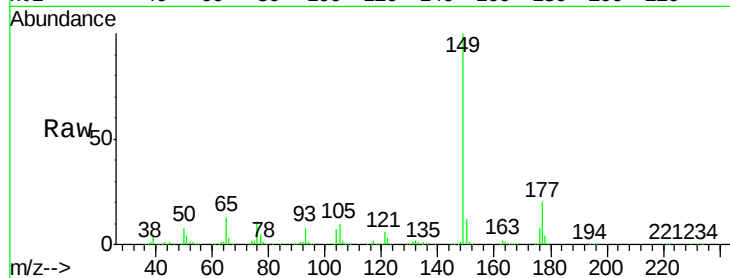
Tot Ion:149 Resp: 793103

Ion Ratio Lower Upper

149 100

177 20.2 16.7 25.1

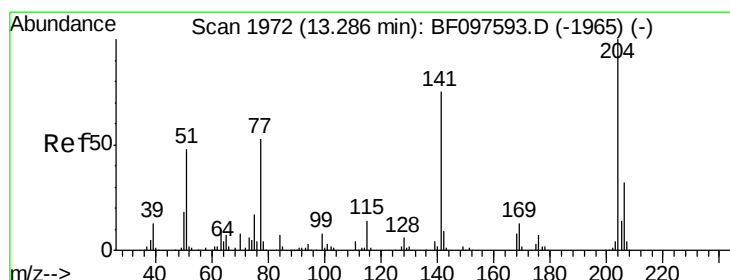
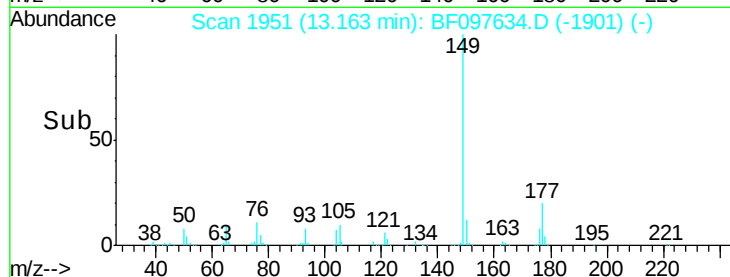
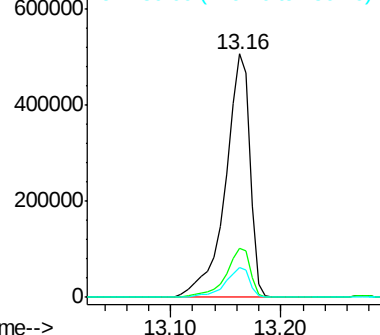
150 12.4 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 39.91 ng

RT: 13.27 min Scan# 1970

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

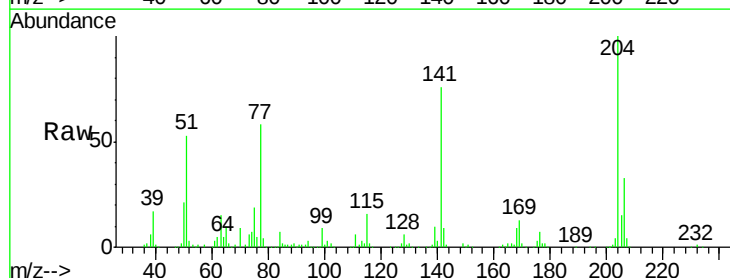
Tgt Ion:204 Resp: 300750

Ion Ratio Lower Upper

204 100

206 33.4 26.2 39.2

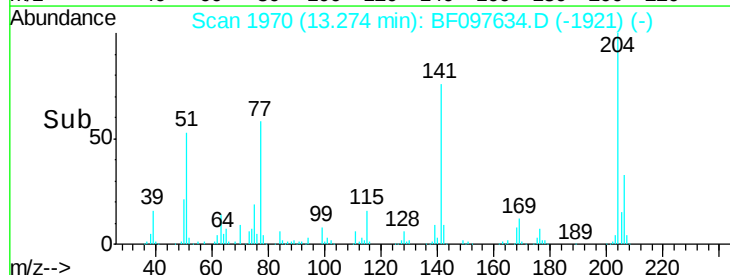
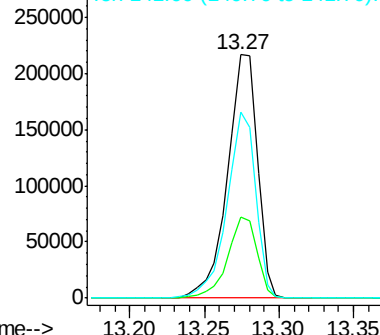
141 76.2 60.8 91.2

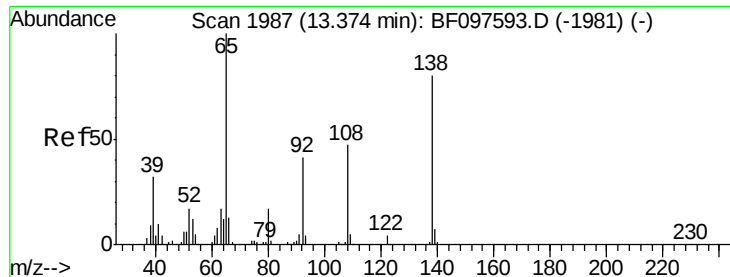


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

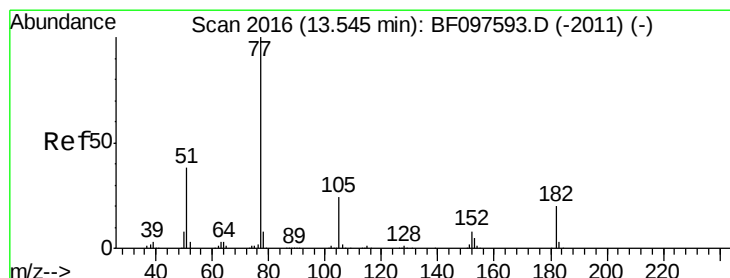
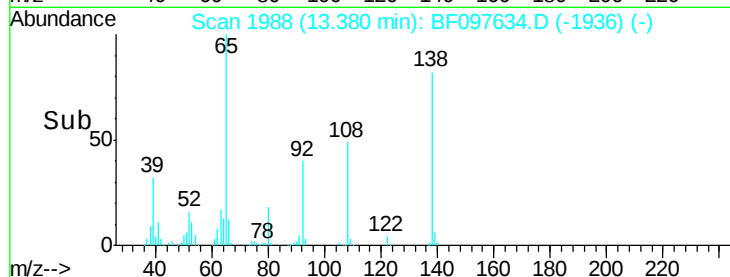
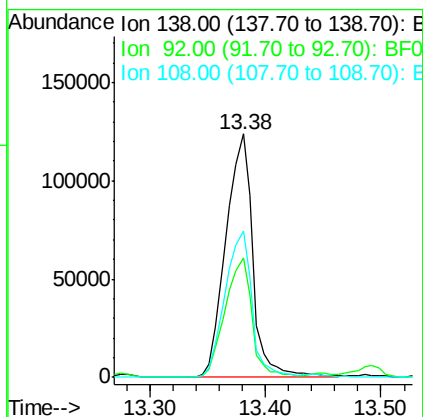
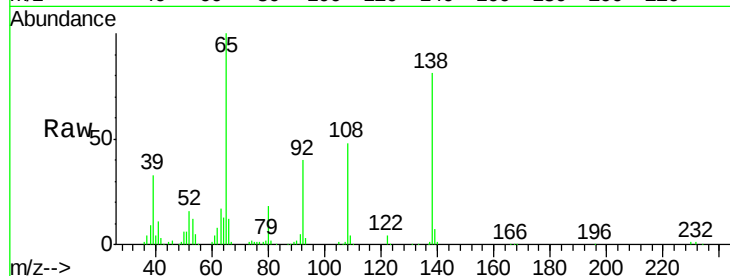




#61
4-Nitroaniline
Concen: 41.44 ng
RT: 13.38 min Scan# 1988
Delta R.T. 0.01 min
Lab File: BF097634.D
Acq: 12 Aug 2017 14:51

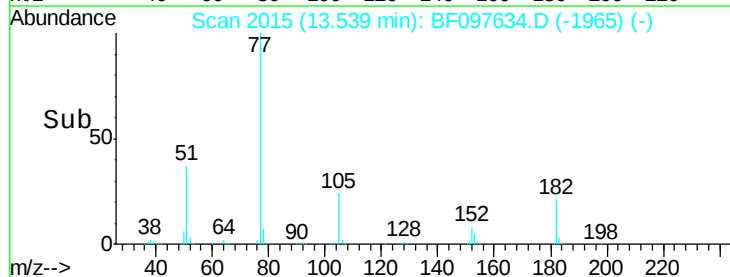
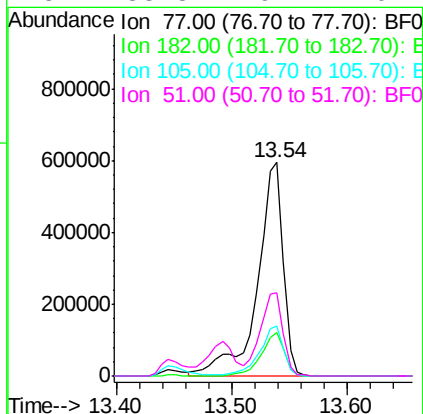
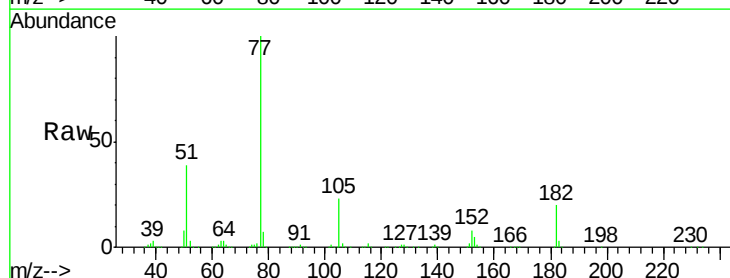
Instrument :
BNA_F
ClientSampleId :
PB101441BS

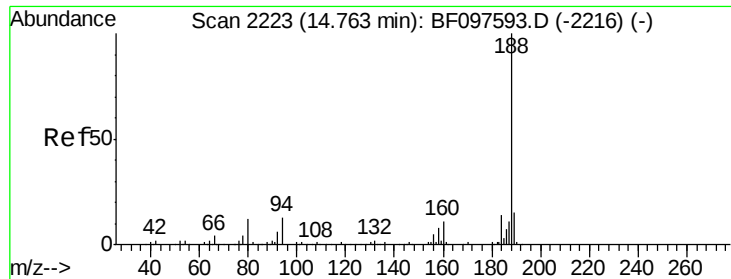
Tot Ion:138 Resp: 201247
Ion Ratio Lower Upper
138 100
92 49.1 21.8 61.8
108 59.9 42.3 82.3



#62
Azobenzene
Concen: 52.74 ng
RT: 13.54 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF097634.D
Acq: 12 Aug 2017 14:51

Tgt Ion: 77 Resp: 932966
Ion Ratio Lower Upper
77 100
182 20.5 0.1 40.1
105 23.3 3.6 43.6
51 38.8 9.4 49.4

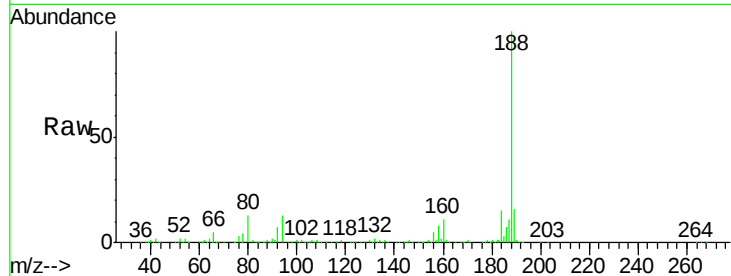




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.75 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF097634.D
Acq: 12 Aug 2017 14:51

Instrument :
BNA_F
ClientSampleId :
PB101441BS

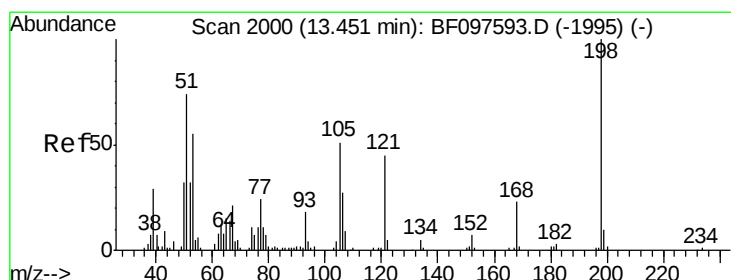
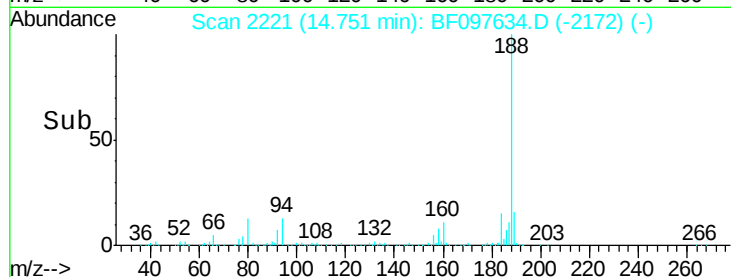
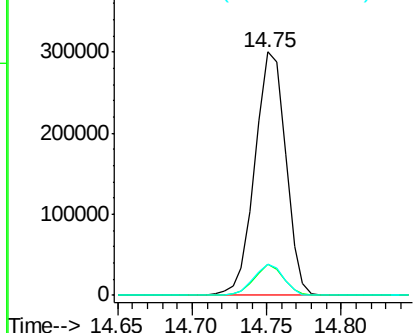
Tot Ion	Ratio	Lower	Upper
188	100		
94	12.8	9.4	14.2
80	12.9	10.2	15.2



Abundance Ion 188.00 (187.70 to 188.70): E

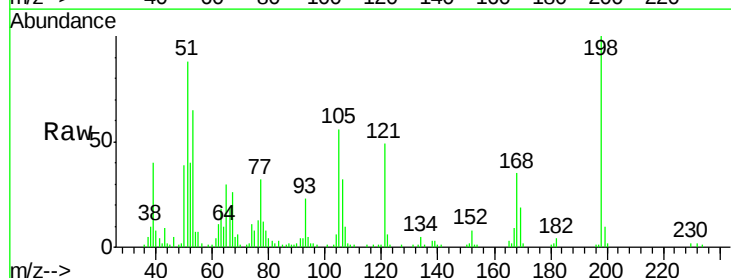
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64
4,6-Dinitro-2-methylphenol
Concen: 35.41 ng
RT: 13.44 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BF097634.D
Acq: 12 Aug 2017 14:51

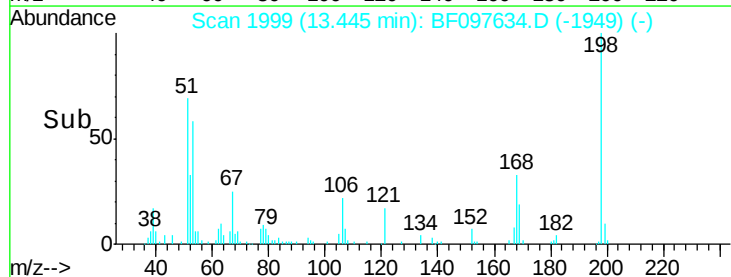
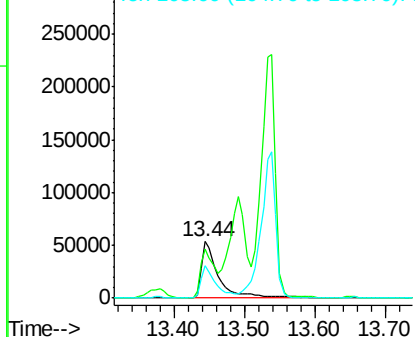
Tgt Ion	Ratio	Lower	Upper
198	100		
51	87.6	53.2	93.2
105	56.3	45.8	85.8

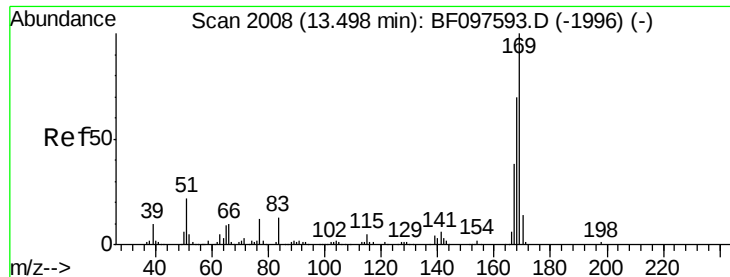


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 39.98 ng

RT: 13.49 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Instrument :

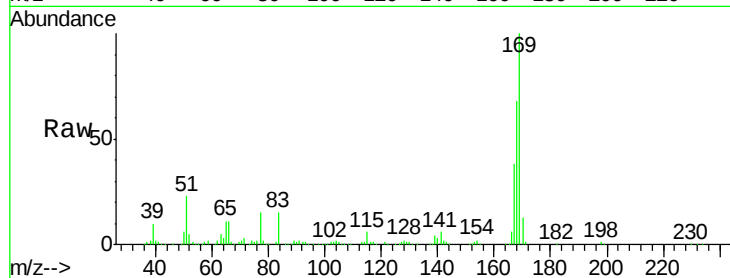
BNA_F

ClientSampleId :

PB101441BS

Tot Ion:169 Resp: 632563

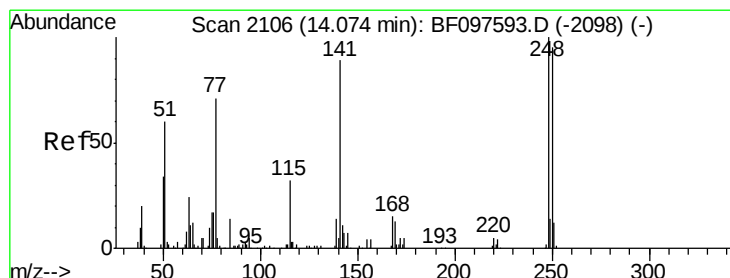
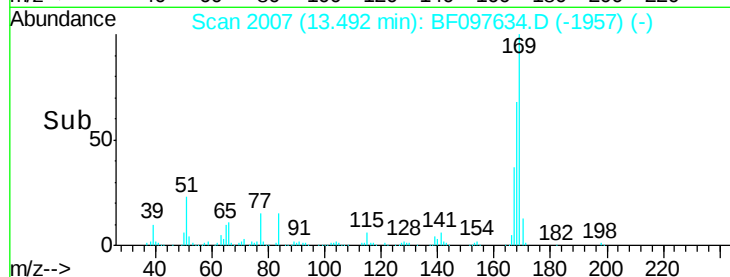
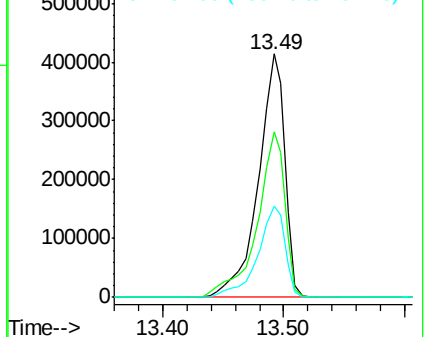
Ion	Ratio	Lower	Upper
169	100		
168	68.2	53.2	79.8
167	37.5	29.5	44.3



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 39.94 ng

RT: 14.06 min Scan# 2104

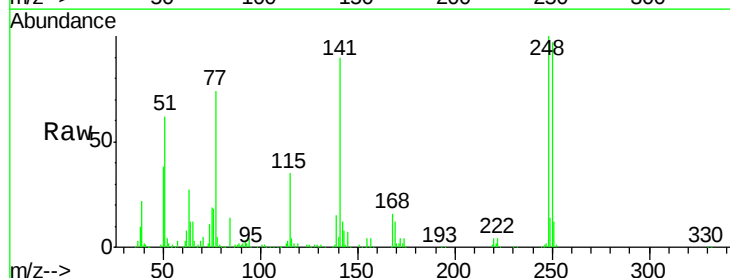
Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Tgt Ion:248 Resp: 177439

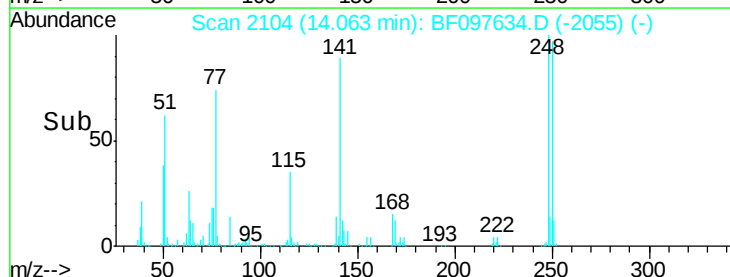
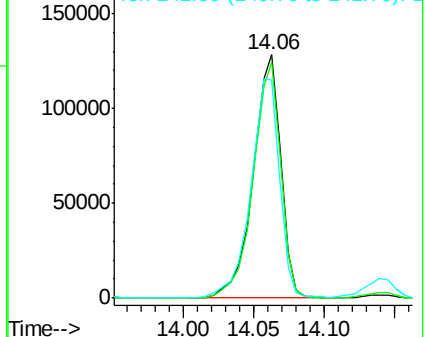
Ion	Ratio	Lower	Upper
248	100		
250	97.0	76.8	115.2
141	89.7	68.6	103.0

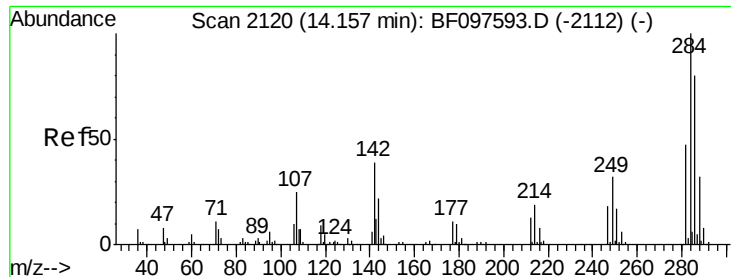


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

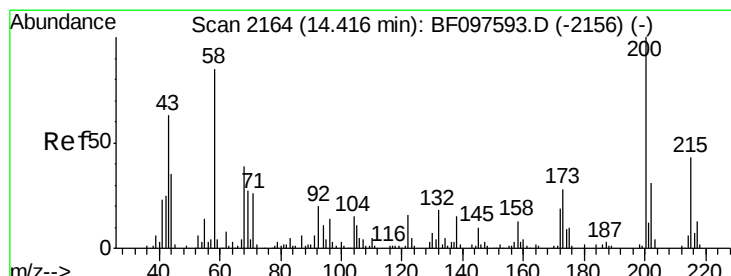
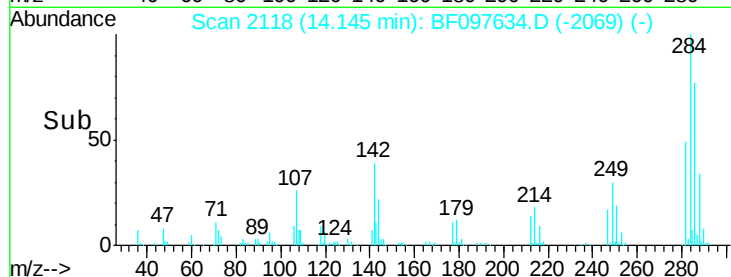
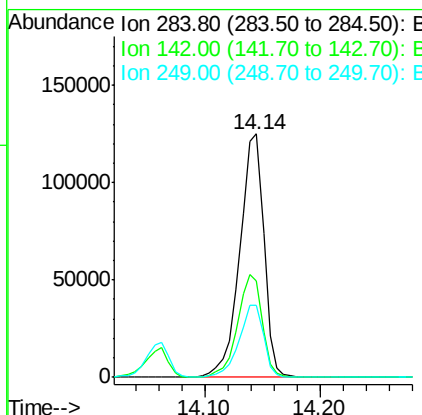
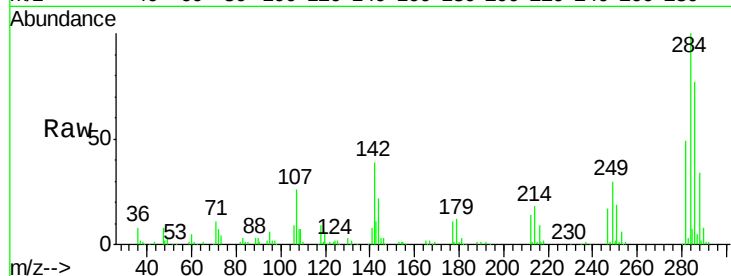




#67
Hexachlorobenzene
Concen: 37.65 ng
RT: 14.14 min Scan# 2118
Delta R.T. -0.01 min
Lab File: BF097634.D
Acq: 12 Aug 2017 14:51

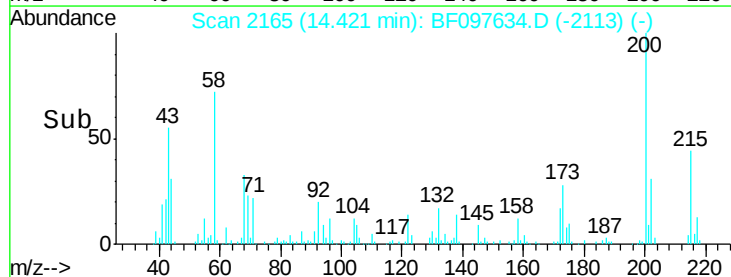
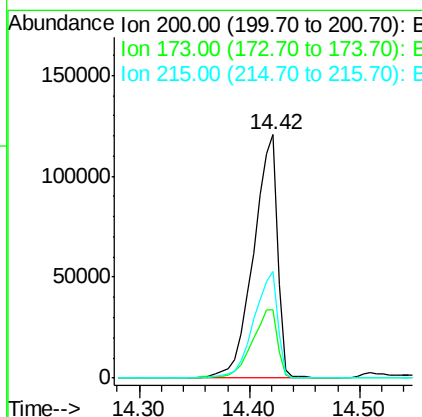
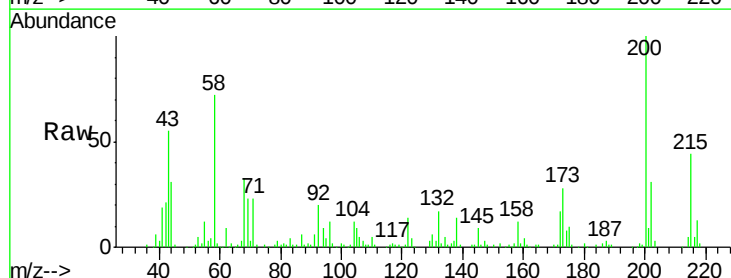
Instrument :
BNA_F
ClientSampleId :
PB101441BS

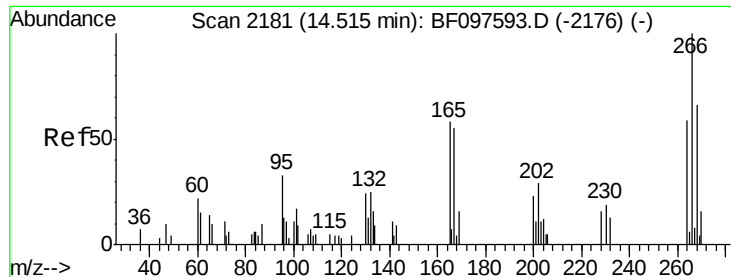
Tot Ion:284 Resp: 182201
Ion Ratio Lower Upper
284 100
142 39.4 22.8 34.2#
249 29.6 24.0 36.0



#68
Atrazine
Concen: 46.53 ng
RT: 14.42 min Scan# 2165
Delta R.T. 0.01 min
Lab File: BF097634.D
Acq: 12 Aug 2017 14:51

Tgt Ion:200 Resp: 184727
Ion Ratio Lower Upper
200 100
173 28.1 6.3 46.3
215 43.8 27.2 67.2

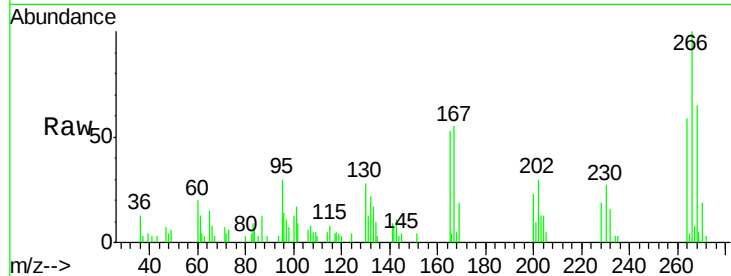




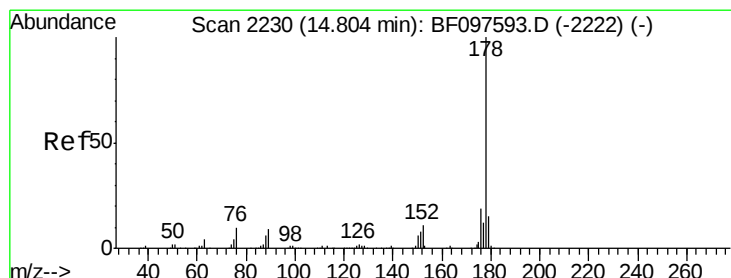
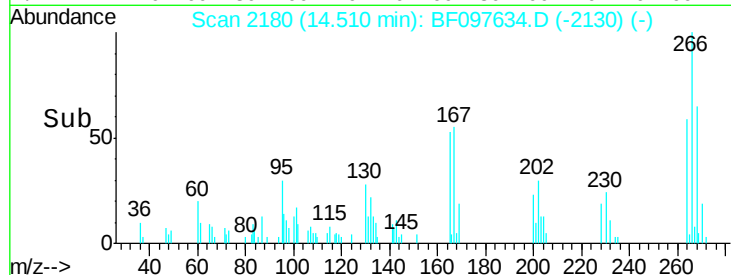
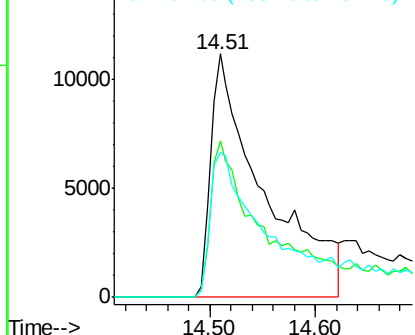
#69
 Pentachlorophenol
 Concen: 42.34 ng
 RT: 14.51 min Scan# 2180
 Delta R.T. -0.01 min
 Lab File: BF097634.D
 Acq: 12 Aug 2017 14:51

Instrument :
 BNA_F
 ClientSampleId :
 PB101441BS

Tot Ion	Ratio	Lower	Upper
266	100		
268	64.5	51.1	76.7
264	59.4	51.7	77.5

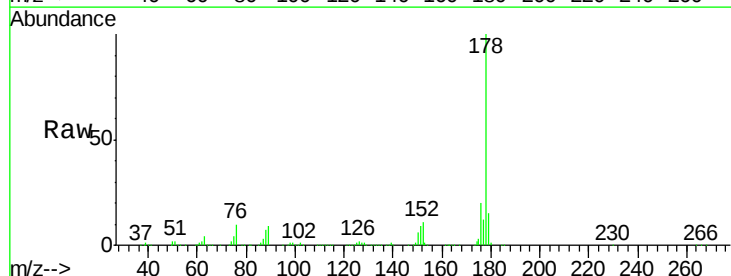


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

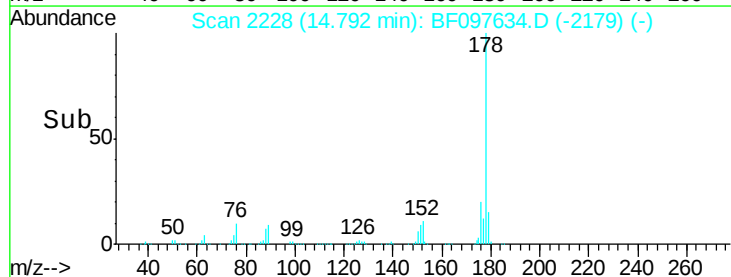
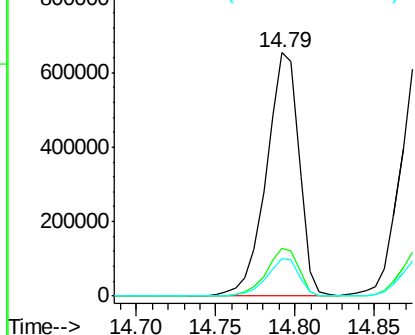


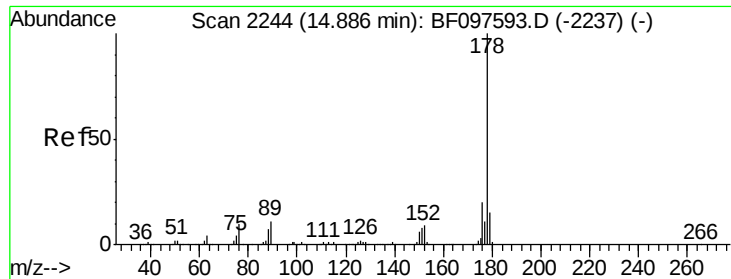
#70
 Phenanthrene
 Concen: 38.19 ng
 RT: 14.79 min Scan# 2228
 Delta R.T. -0.01 min
 Lab File: BF097634.D
 Acq: 12 Aug 2017 14:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	15.2	12.6	19.0



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

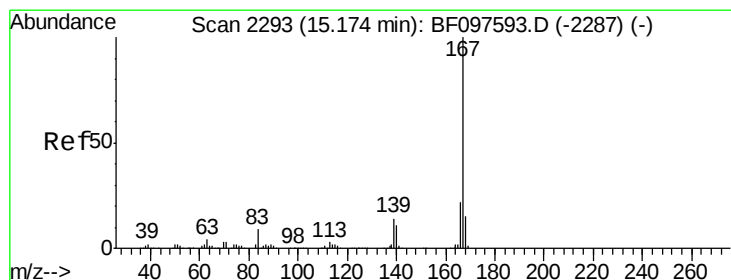
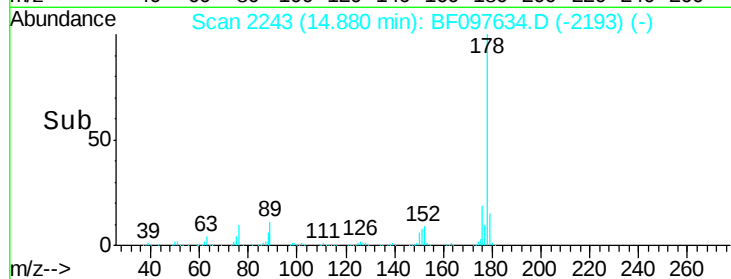
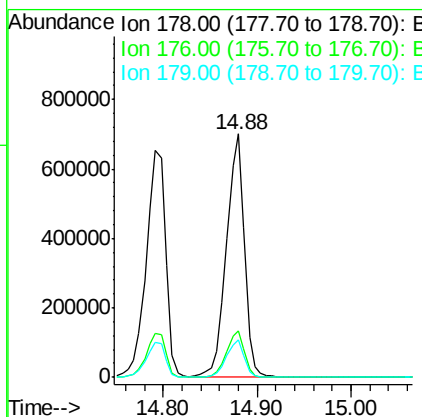
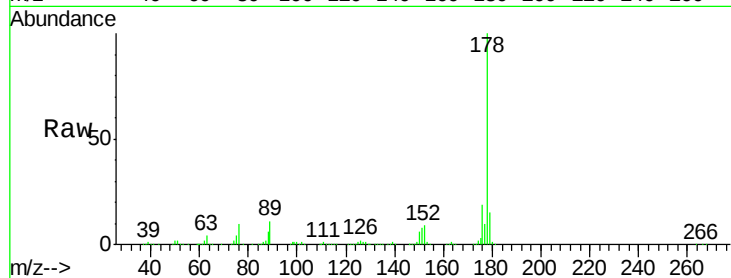




#71
 Anthracene
 Concen: 37.28 ng
 RT: 14.88 min Scan# 2243
 Delta R.T. -0.01 min
 Lab File: BF097634.D
 Acq: 12 Aug 2017 14:51

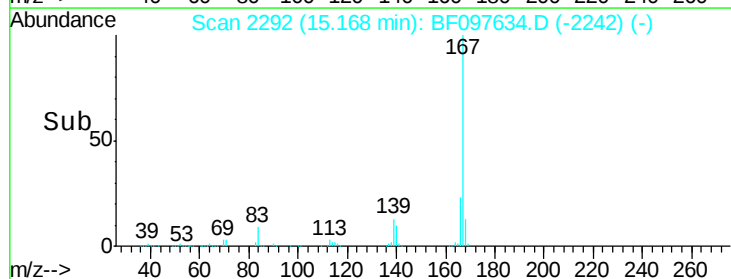
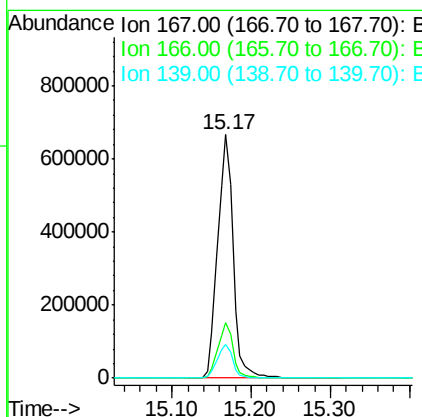
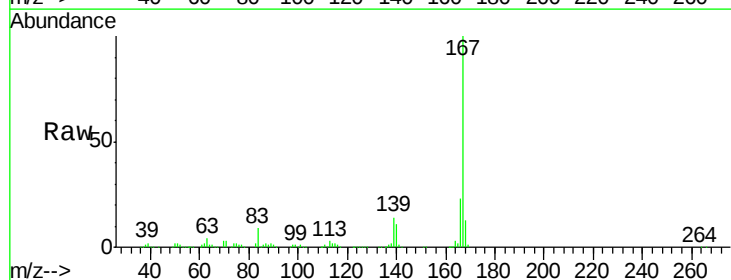
Instrument :
 BNA_F
 ClientSampleId :
 PB101441BS

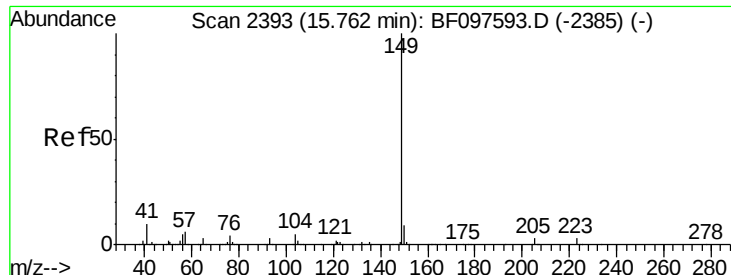
Tot Ion:178 Resp: 940577
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 15.3 12.7 19.1



#72
 Carbazole
 Concen: 37.40 ng
 RT: 15.17 min Scan# 2292
 Delta R.T. -0.01 min
 Lab File: BF097634.D
 Acq: 12 Aug 2017 14:51

Tgt Ion:167 Resp: 898287
 Ion Ratio Lower Upper
 167 100
 166 22.6 18.1 27.1
 139 13.7 11.7 17.5

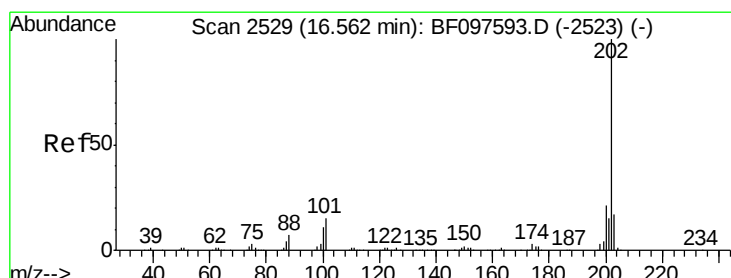
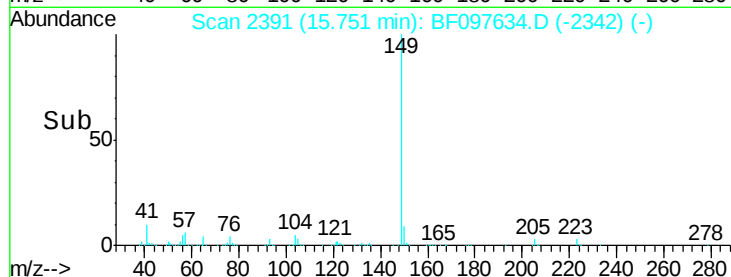
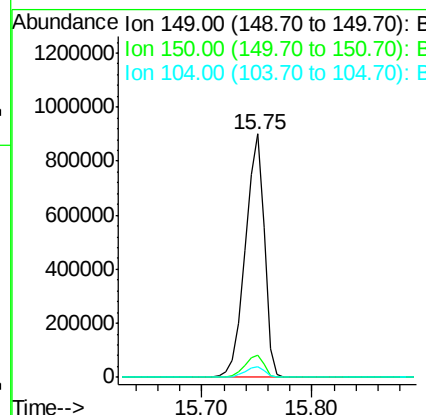
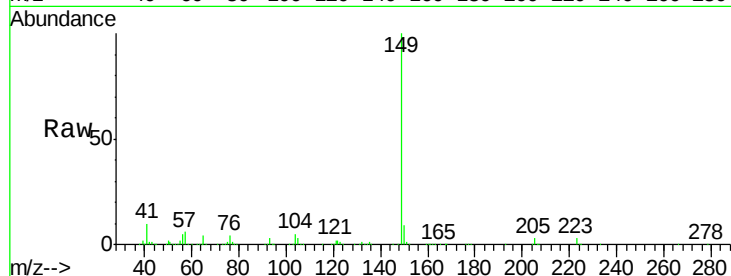




#73
Di-n-butylphthalate
Concen: 39.00 ng
RT: 15.75 min Scan# 2391
Delta R.T. -0.01 min
Lab File: BF097634.D
Acq: 12 Aug 2017 14:51

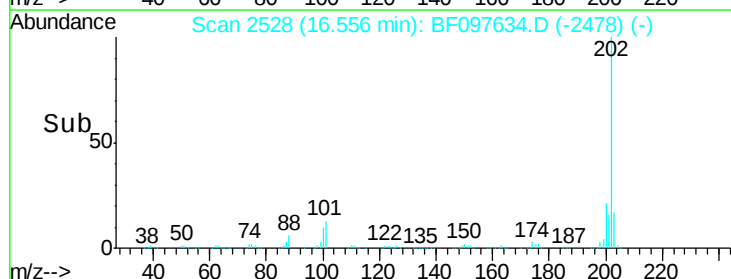
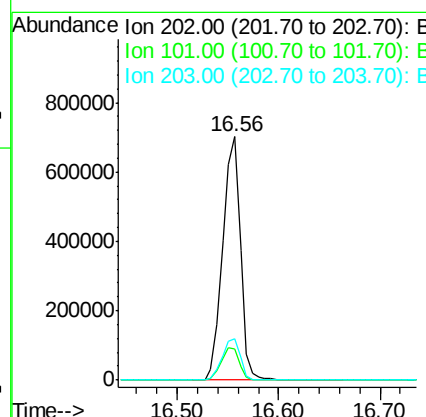
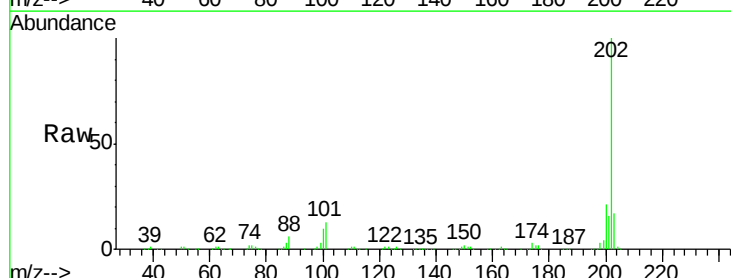
Instrument :
BNA_F
ClientSampleId :
PB101441BS

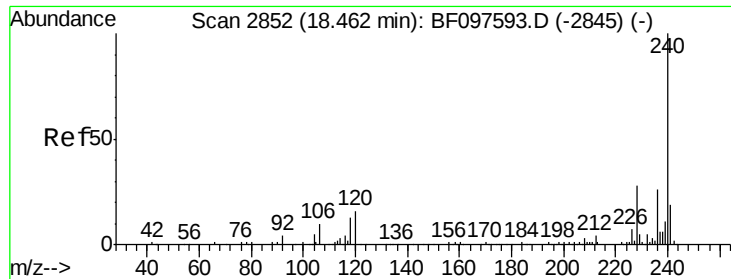
Tot Ion:149 Resp: 1096620
Ion Ratio Lower Upper
149 100
150 9.2 7.7 11.5
104 4.5 4.0 6.0



#74
Fluoranthene
Concen: 38.28 ng
RT: 16.56 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BF097634.D
Acq: 12 Aug 2017 14:51

Tgt Ion:202 Resp: 853107
Ion Ratio Lower Upper
202 100
101 13.0 0.0 33.2
203 16.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.45 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Instrument :

BNA_F

ClientSampleId :

PB101441BS

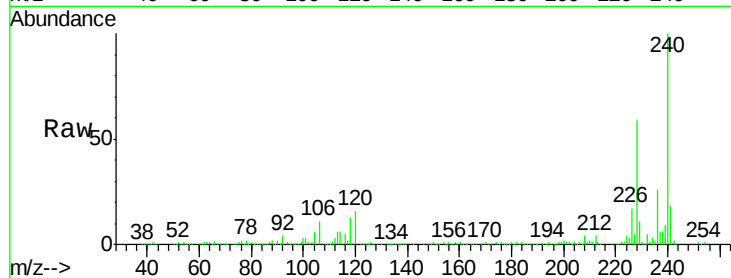
Tot Ion:240 Resp: 300001

Ion Ratio Lower Upper

240 100

120 15.8 5.8 8.8#

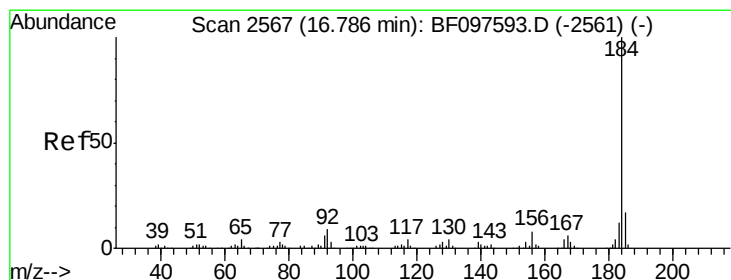
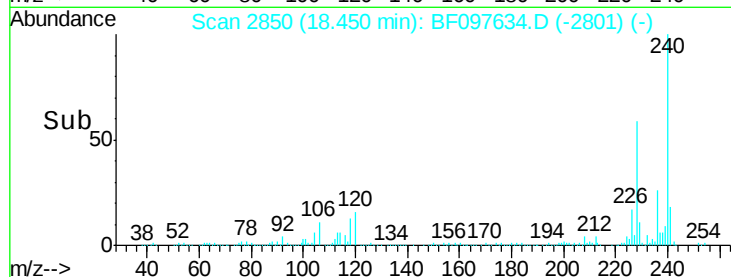
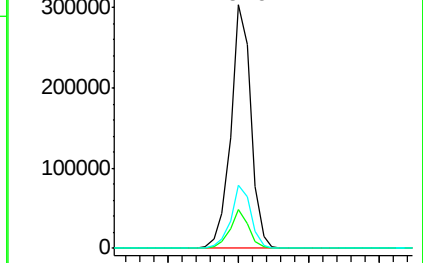
236 25.7 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 36.00 ng

RT: 16.77 min Scan# 2565

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

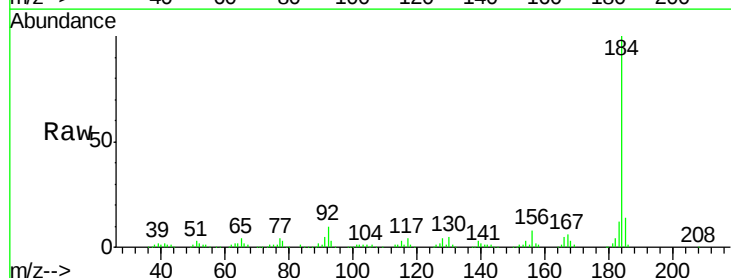
Tgt Ion:184 Resp: 355968

Ion Ratio Lower Upper

184 100

185 14.5 15.5 23.3#

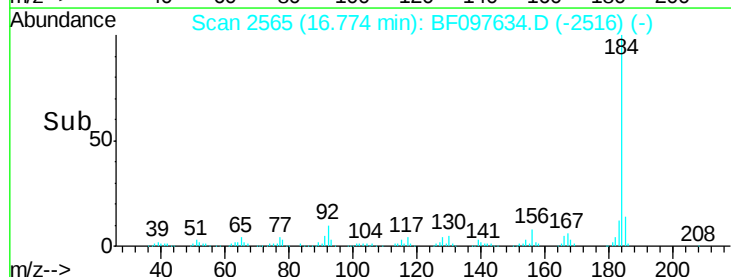
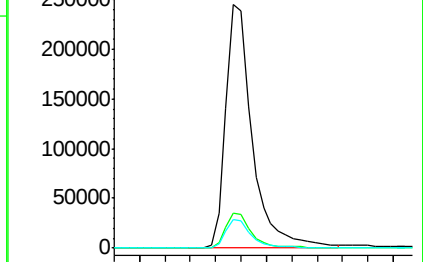
183 11.8 9.8 14.6

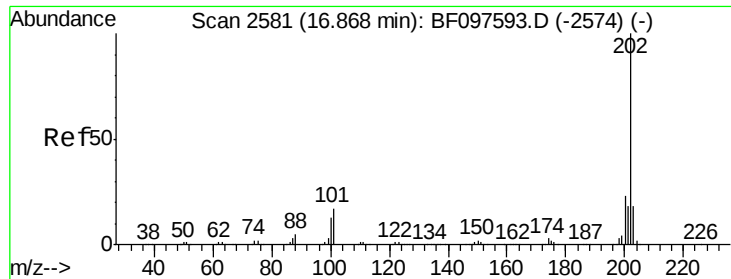


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 35.26 ng

RT: 16.86 min Scan# 2579

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Instrument :

BNA_F

ClientSampleId :

PB101441BS

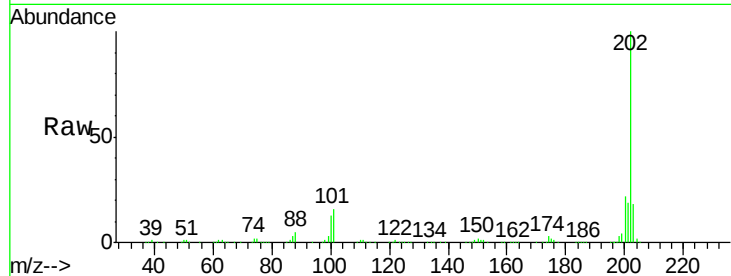
Tot Ion:202 Resp: 874818

Ion Ratio Lower Upper

202 100

200 22.1 17.6 26.4

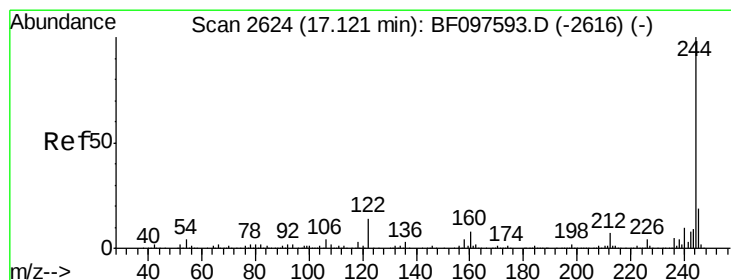
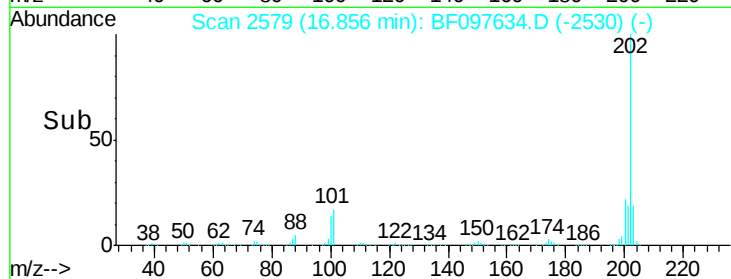
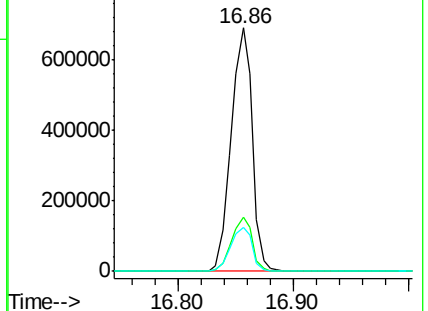
203 18.3 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 65.56 ng

RT: 17.11 min Scan# 2622

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

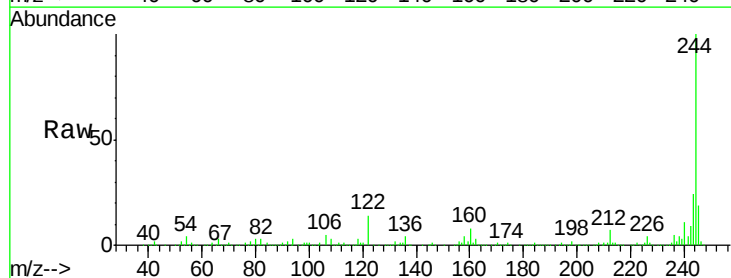
Tgt Ion:244 Resp: 950360

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

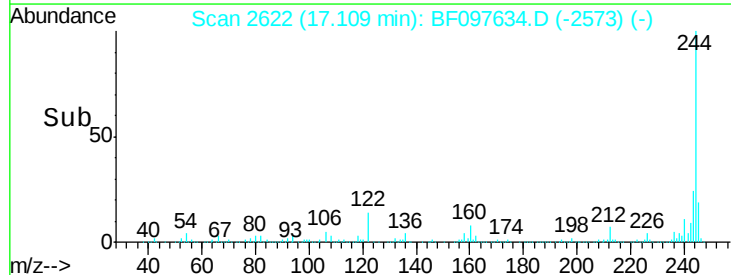
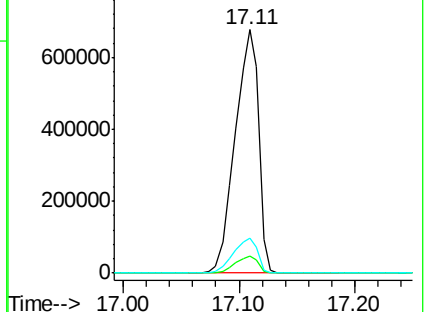
122 14.2 10.3 15.5

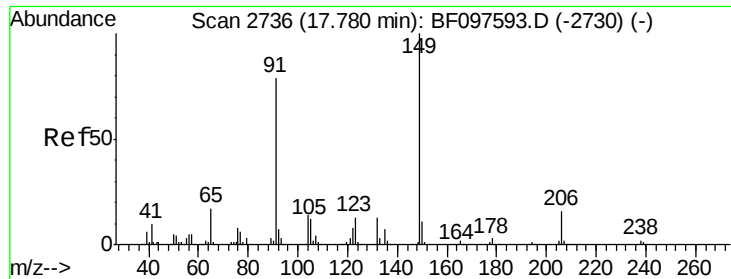


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

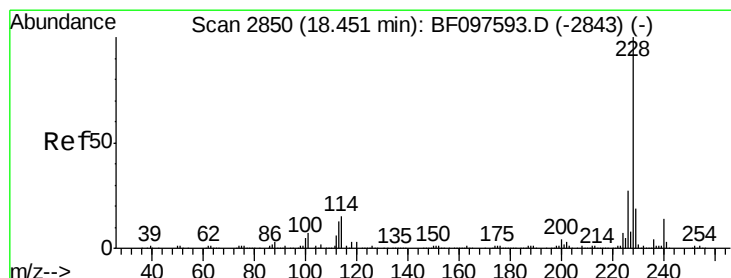
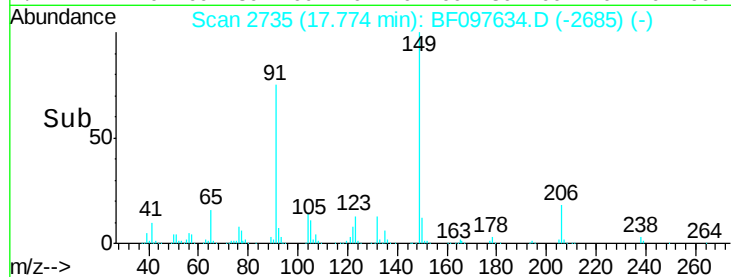
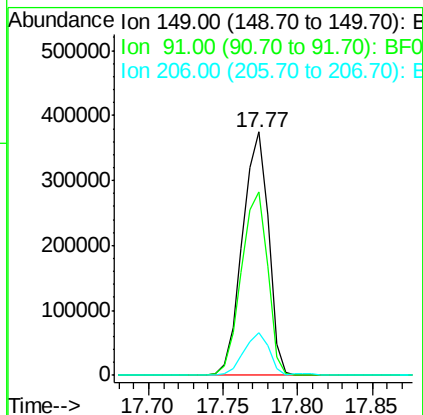
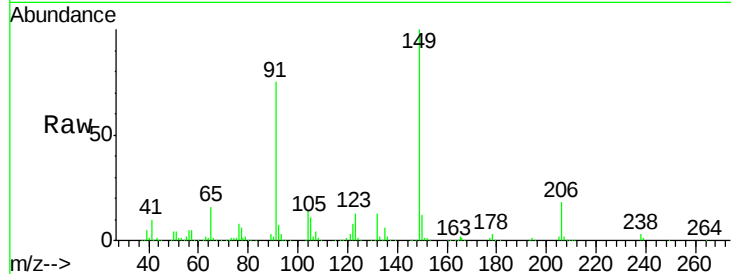




#79
Butylbenzylphthalate
Concen: 43.86 ng
RT: 17.77 min Scan# 2735
Delta R.T. -0.01 min
Lab File: BF097634.D
Acq: 12 Aug 2017 14:51

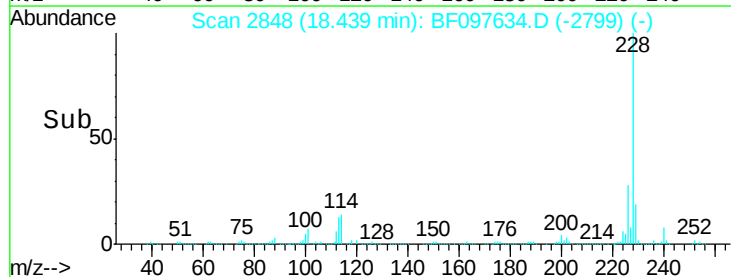
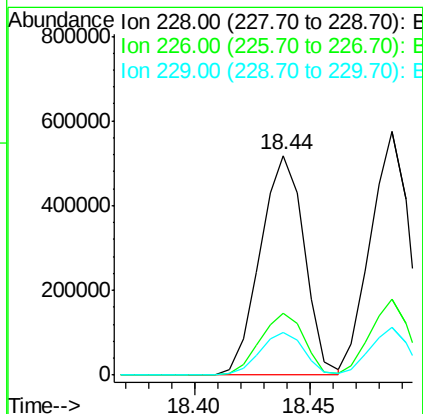
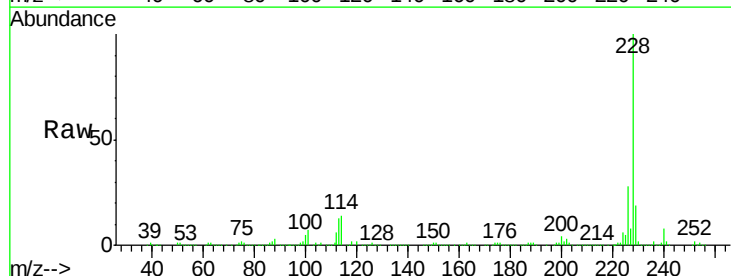
Instrument :
BNA_F
ClientSampleId :
PB101441BS

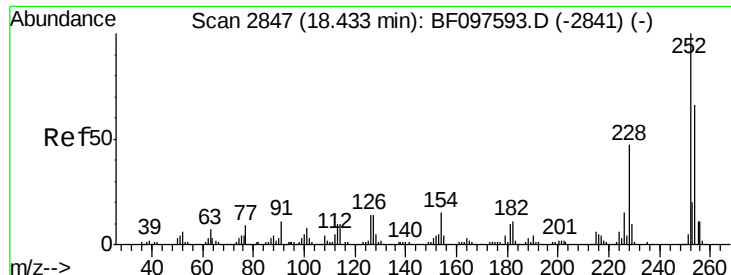
Tot Ion:149 Resp: 454887
Ion Ratio Lower Upper
149 100
91 75.4 45.0 67.4#
206 17.7 17.0 25.6



#80
Benzo(a)anthracene
Concen: 39.11 ng
RT: 18.44 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BF097634.D
Acq: 12 Aug 2017 14:51

Tgt Ion:228 Resp: 685300
Ion Ratio Lower Upper
228 100
226 28.0 22.6 33.8
229 19.2 16.3 24.5

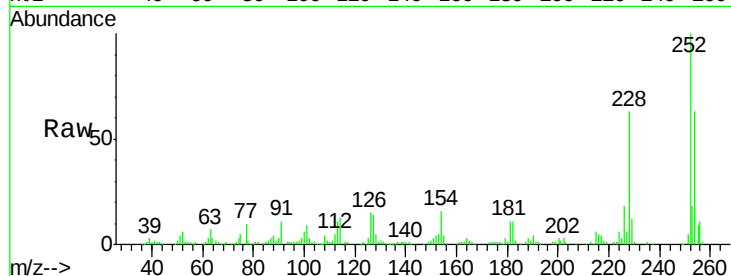




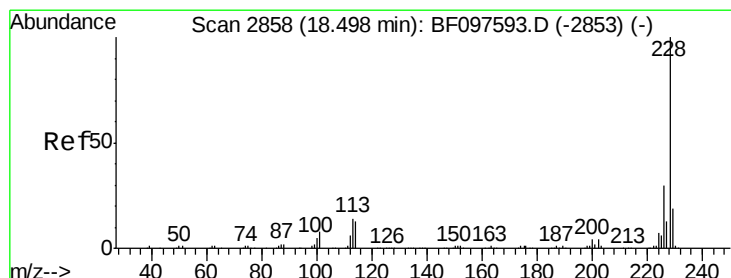
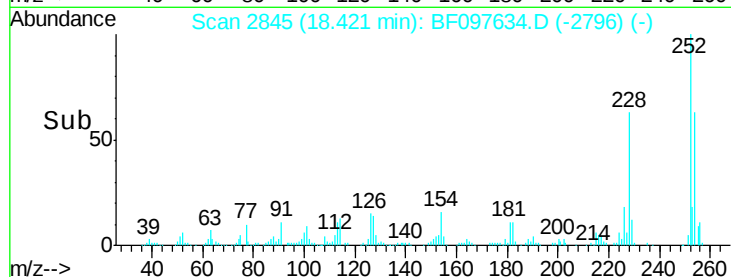
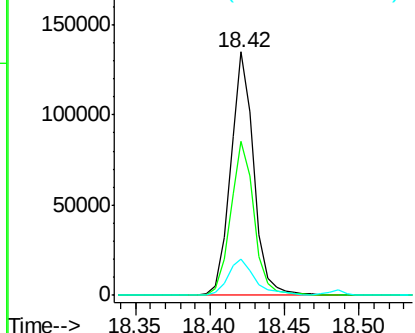
#81
 3,3'-Dichlorobenzidine
 Concen: 24.34 ng
 RT: 18.42 min Scan# 2845
 Delta R.T. -0.01 min
 Lab File: BF097634.D
 Acq: 12 Aug 2017 14:51

Instrument :
 BNA_F
 ClientSampleId :
 PB101441BS

Tot Ion	Ratio	Lower	Upper
252	100		
254	63.5	51.5	77.3
126	14.9	15.8	23.8#

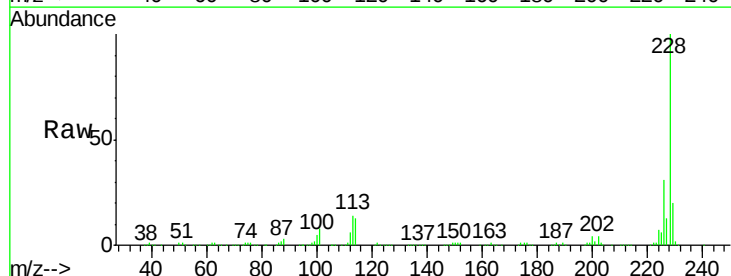


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

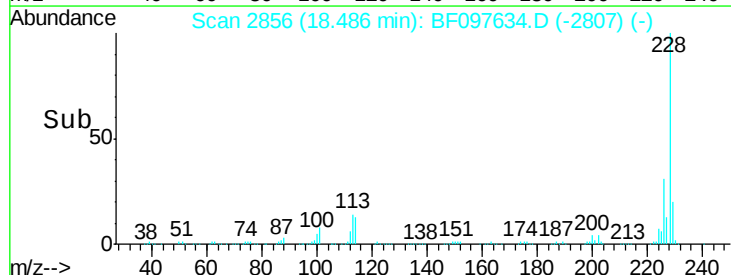
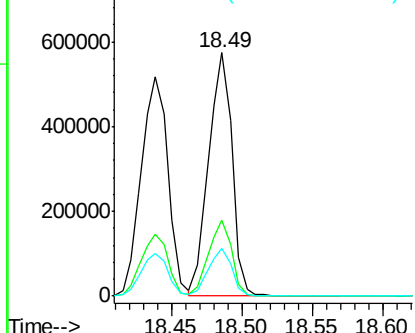


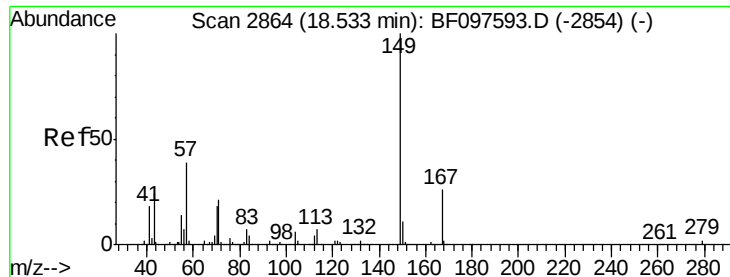
#82
 Chrysene
 Concen: 38.02 ng
 RT: 18.49 min Scan# 2856
 Delta R.T. -0.01 min
 Lab File: BF097634.D
 Acq: 12 Aug 2017 14:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	19.6	15.8	23.6



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 43.45 ng

RT: 18.52 min Scan# 2862

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Instrument :

BNA_F

ClientSampleId :

PB101441BS

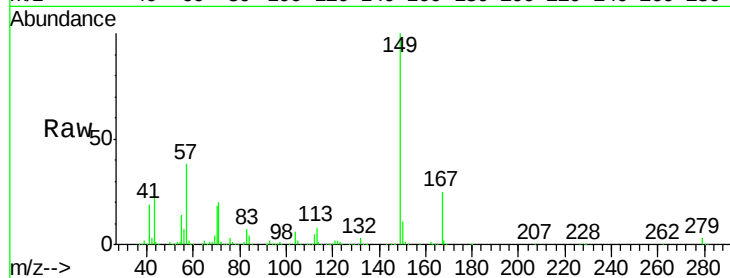
Tot Ion:149 Resp: 640932

Ion Ratio Lower Upper

149 100

167 25.1 21.0 31.4

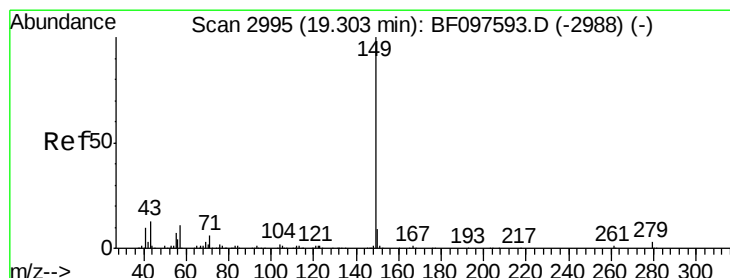
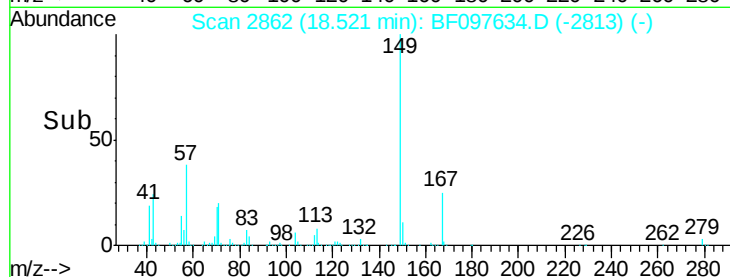
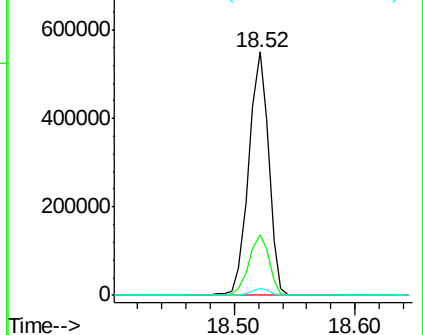
279 2.7 1.9 2.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 40.33 ng

RT: 19.29 min Scan# 2993

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

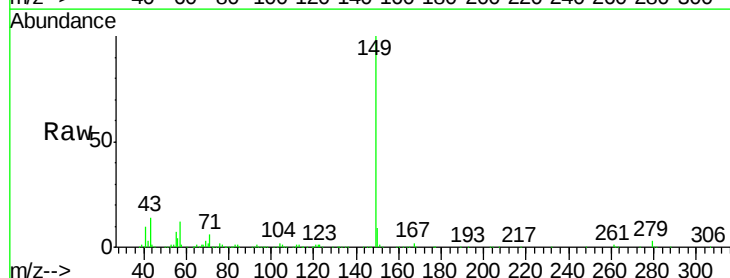
Tgt Ion:149 Resp: 1038932

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

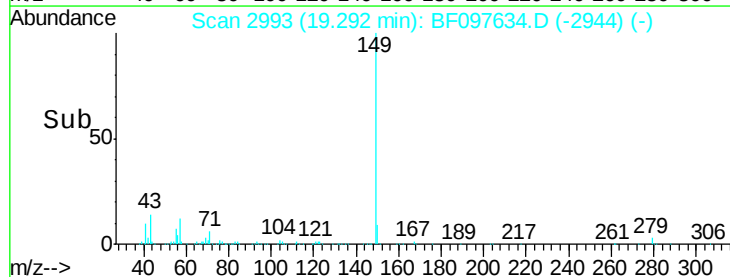
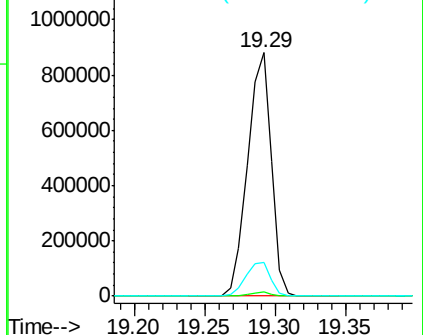
43 14.2 8.5 12.7#

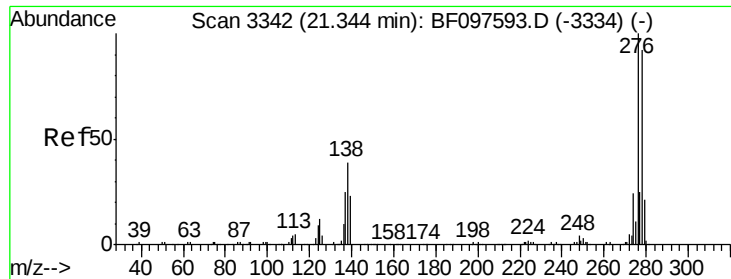


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0





#85

Indeno(1,2,3-cd)pyrene

Concen: 35.76 ng

RT: 21.33 min Scan# 3340

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Instrument :

BNA_F

ClientSampleId :

PB101441BS

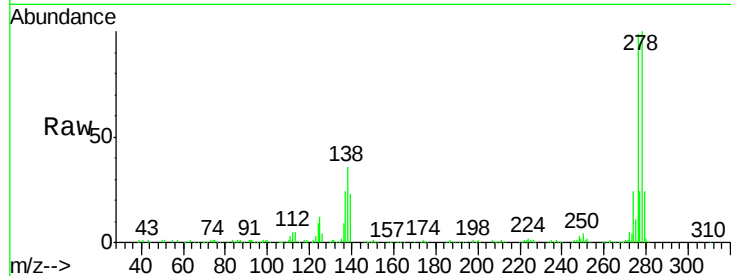
Tot Ion:276 Resp: 484754

Ion Ratio Lower Upper

276 100

138 35.7 27.8 41.6

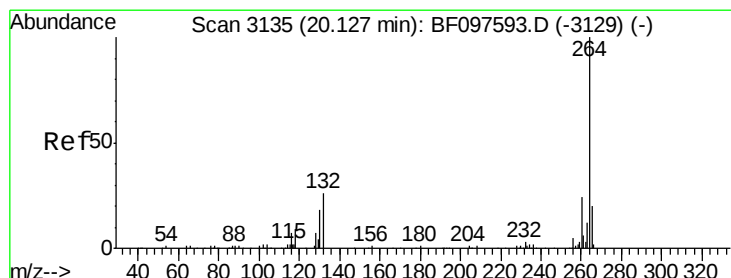
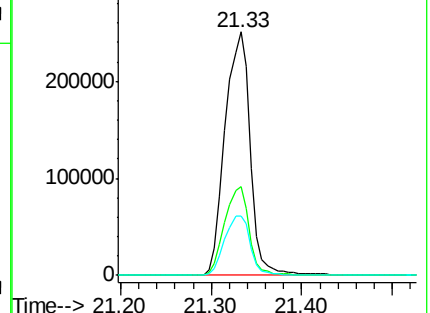
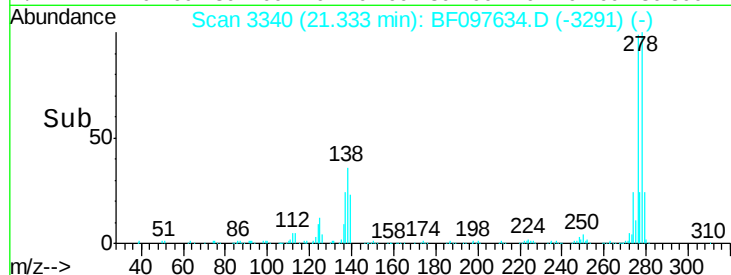
277 25.0 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.12 min Scan# 3133

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

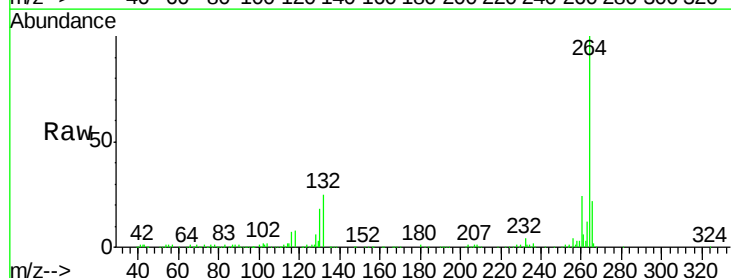
Tgt Ion:264 Resp: 248285

Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

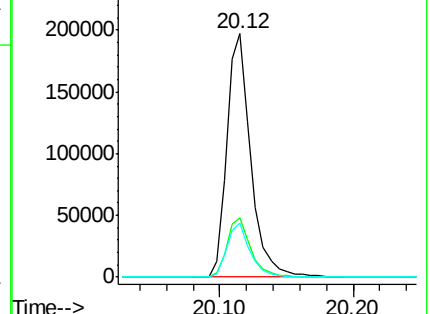
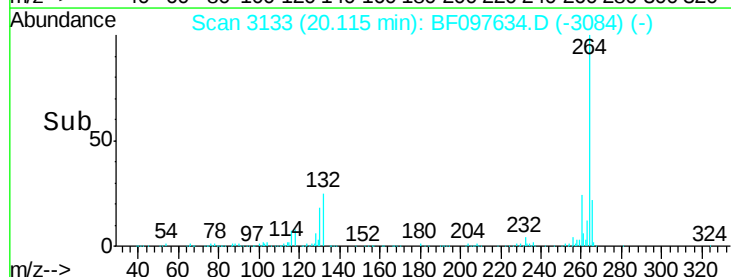
265 22.5 17.2 25.8

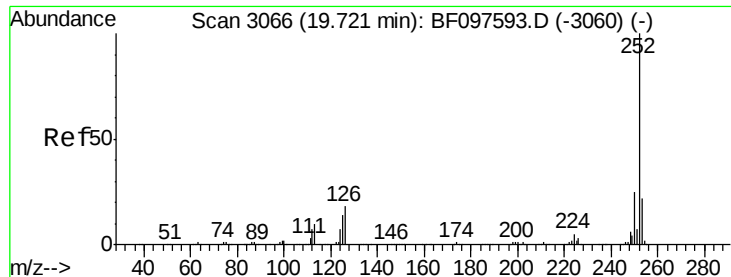


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 41.57 ng

RT: 19.71 min Scan# 3064

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Instrument :

BNA_F

ClientSampleId :

PB101441BS

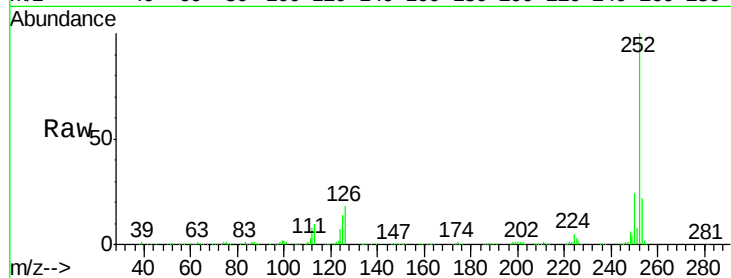
Tot Ion:252 Resp: 619769

Ion Ratio Lower Upper

252 100

253 21.8 18.1 27.1

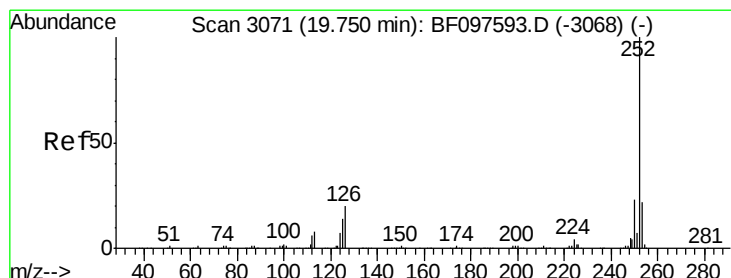
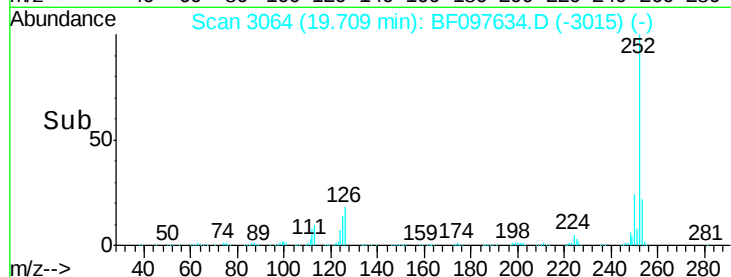
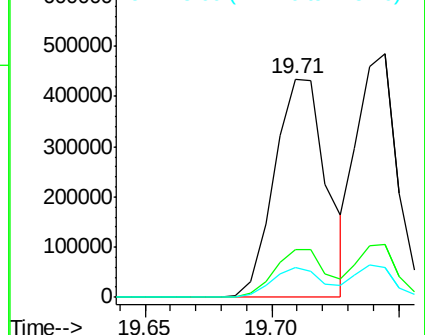
125 13.8 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 41.27 ng

RT: 19.71 min Scan# 3064

Delta R.T. -0.04 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

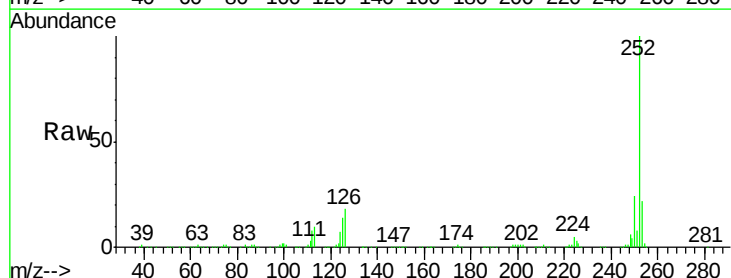
Tgt Ion:252 Resp: 619769

Ion Ratio Lower Upper

252 100

253 21.8 18.4 27.6

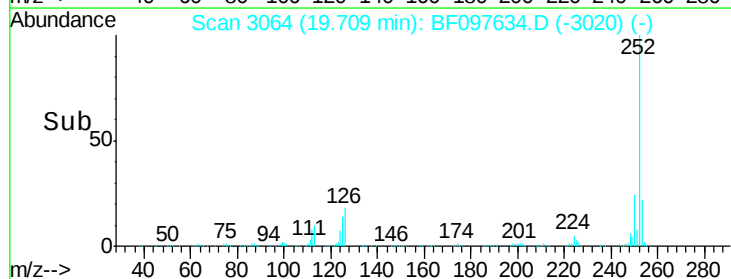
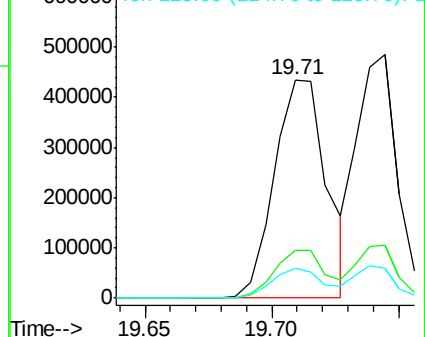
125 13.8 13.1 19.7

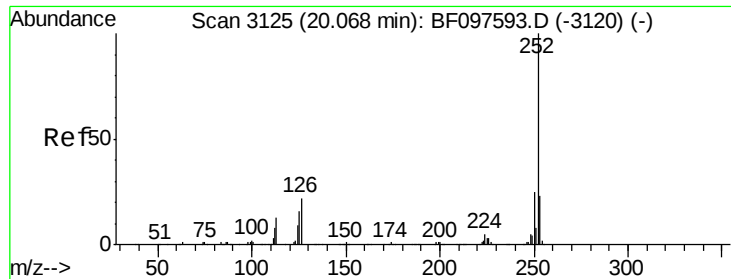


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

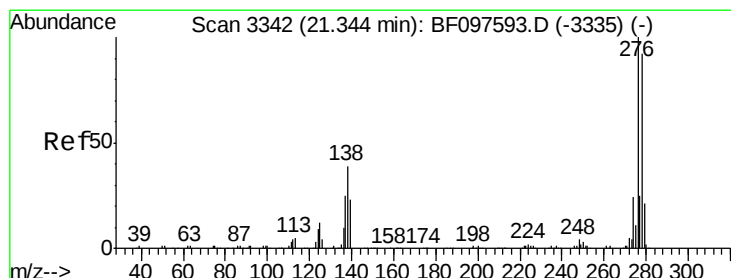
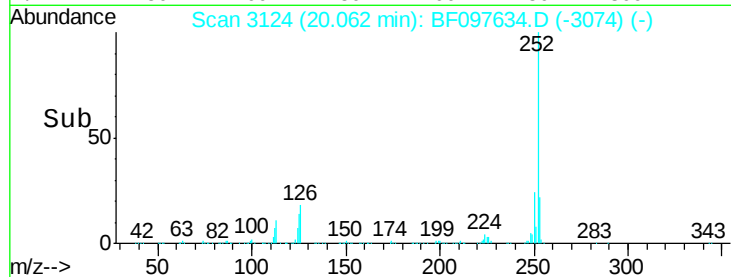
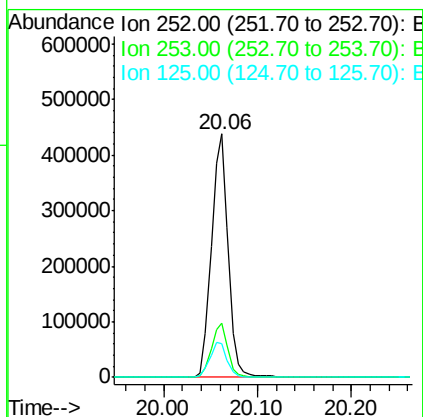
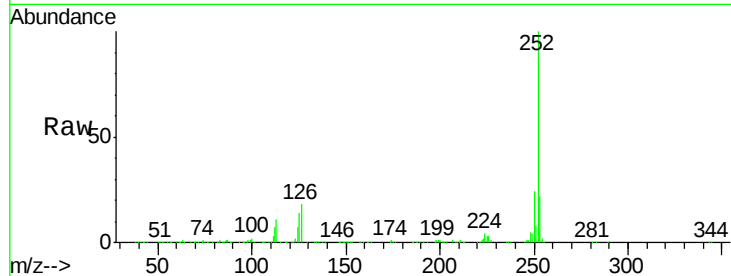




#89
Benzo(a)pyrene
Concen: 40.21 ng
RT: 20.06 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BF097634.D
Acq: 12 Aug 2017 14:51

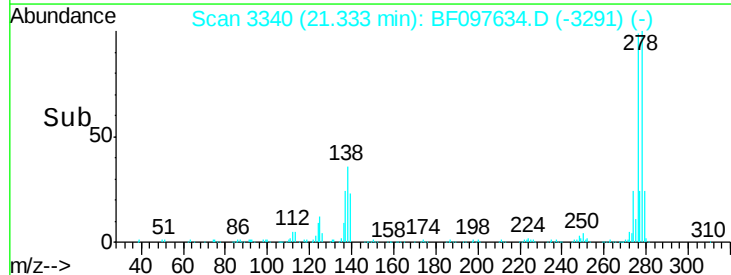
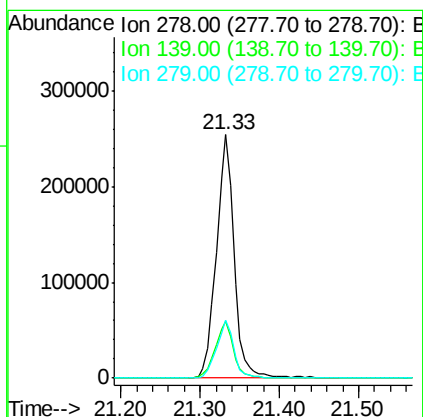
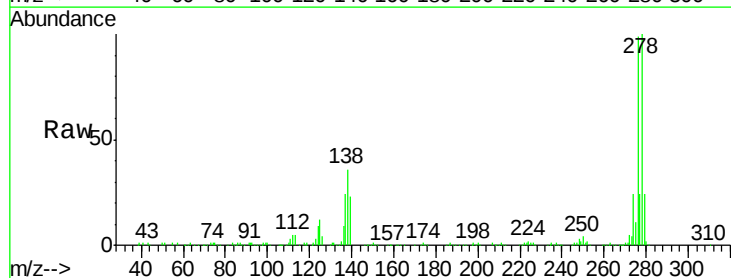
Instrument :
BNA_F
ClientSampleId :
PB101441BS

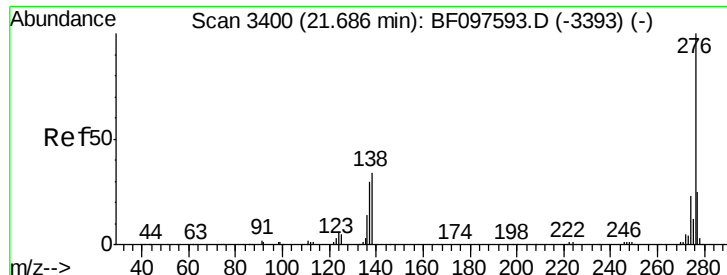
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	14.0	11.0	16.4



#90
Dibenzo(a,h)anthracene
Concen: 40.44 ng
RT: 21.33 min Scan# 3340
Delta R.T. -0.01 min
Lab File: BF097634.D
Acq: 12 Aug 2017 14:51

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.4	16.6	24.8
279	23.8	19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 39.76 ng

RT: 21.67 min Scan# 3398

Delta R.T. -0.01 min

Lab File: BF097634.D

Acq: 12 Aug 2017 14:51

Instrument :

BNA_F

ClientSampleId :

PB101441BS

Tot Ion: 276 Resp: 427376

Ion Ratio Lower Upper

276 100

277 22.9 18.6 28.0

138 30.3 25.4 38.0

