

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
 Data File : BF097604.D
 Acq On : 11 Aug 2017 20:14
 Operator : SJ/JU
 Sample : I4631-02MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MS

Quant Time: Aug 12 00:51:24 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	7.51	152	99449	20.00	ng	0.00
21) Naphthalene-d8	9.54	136	468487	20.00	ng	0.00
38) Acenaphthene-d10	12.37	164	188717	20.00	ng	0.00
63) Phenanthrene-d10	14.77	188	323934	20.00	ng	0.00
75) Chrysene-d12	18.48	240	194254	20.00	ng	0.02
86) Perylene-d12	20.14	264	204671	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	461315	73.73	ng	0.00
7) Phenol-d6	7.05	99	358975	46.25	ng	0.00
23) Nitrobenzene-d5	8.42	82	612774	82.02	ng	0.00
41) 2,4,6-Tribromophenol	13.67	330	193821	135.10	ng	0.00
44) 2-Fluorobiphenyl	11.32	172	1037675	82.98	ng	0.00
78) Terphenyl-d14	17.13	244	596070	63.51	ng	0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.82	88	37481	13.80	ng	# 75
3) Pyridine	2.51	79	33180	4.19	ng	# 70
4) n-Nitrosodimethylamine	2.38	42	64037	13.94	ng	# 79
6) Aniline	7.02	93	93162	8.35	ng	100
8) 2-Chlorophenol	7.19	128	285307	39.78	ng	92
9) Benzaldehyde	6.82	77	161712	31.60	ng	95
10) Phenol	7.07	94	128041	15.07	ng	97
11) bis(2-Chloroethyl)ether	7.15	93	311941	45.76	ng	89
12) 1,3-Dichlorobenzene	7.41	146	288872	35.96	ng	97
13) 1,4-Dichlorobenzene	7.53	146	282244	34.52	ng	94
14) 1,2-Dichlorobenzene	7.77	146	288293	38.64	ng	97
15) Benzyl Alcohol	7.80	79	144695	26.98	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.00	45	722215	47.19	ng	91
17) 2-Methylphenol	8.02	107	190143	34.21	ng	# 91
18) Hexachloroethane	8.29	117	103581	37.03	ng	# 81
19) n-Nitroso-di-n-propylamine	8.23	70	242225	44.87	ng	# 82
20) 3+4-Methylphenols	8.28	107	226486	33.27	ng	# 60
22) Acetophenone	8.19	105	449794	40.64	ng	# 97
24) Nitrobenzene	8.45	77	330152	40.55	ng	96
25) Isophorone	8.85	82	589482	42.83	ng	97
26) 2-Nitrophenol	8.96	139	189864	46.10	ng	# 82
27) 2,4-Dimethylphenol	9.10	122	275211	40.07	ng	97
28) bis(2-Chloroethoxy)methane	9.23	93	427390	42.98	ng	98
29) 2,4-Dichlorophenol	9.38	162	267963	44.25	ng	95
30) 1,2,4-Trichlorobenzene	9.47	180	228686	38.09	ng	98
31) Naphthalene	9.57	128	908886	38.73	ng	99
32) Benzoic acid	9.40	122	55225	14.92	ng	88
33) 4-Chloroaniline	9.72	127	158887	16.34	ng	96
34) Hexachlorobutadiene	9.79	225	113116	34.49	ng	97
35) Caprolactam	10.40	113	11866	6.08	ng	# 28
36) 4-Chloro-3-methylphenol	10.57	107	268594	39.48	ng	85
37) 2-Methylnaphthalene	10.70	142	610698	41.36	ng	98
39) 1,2,4,5-Tetrachlorobenzene	10.98	216	214266	40.10	ng	99
40) Hexachlorocyclopentadiene	10.96	237	89945	82.76	ng	99

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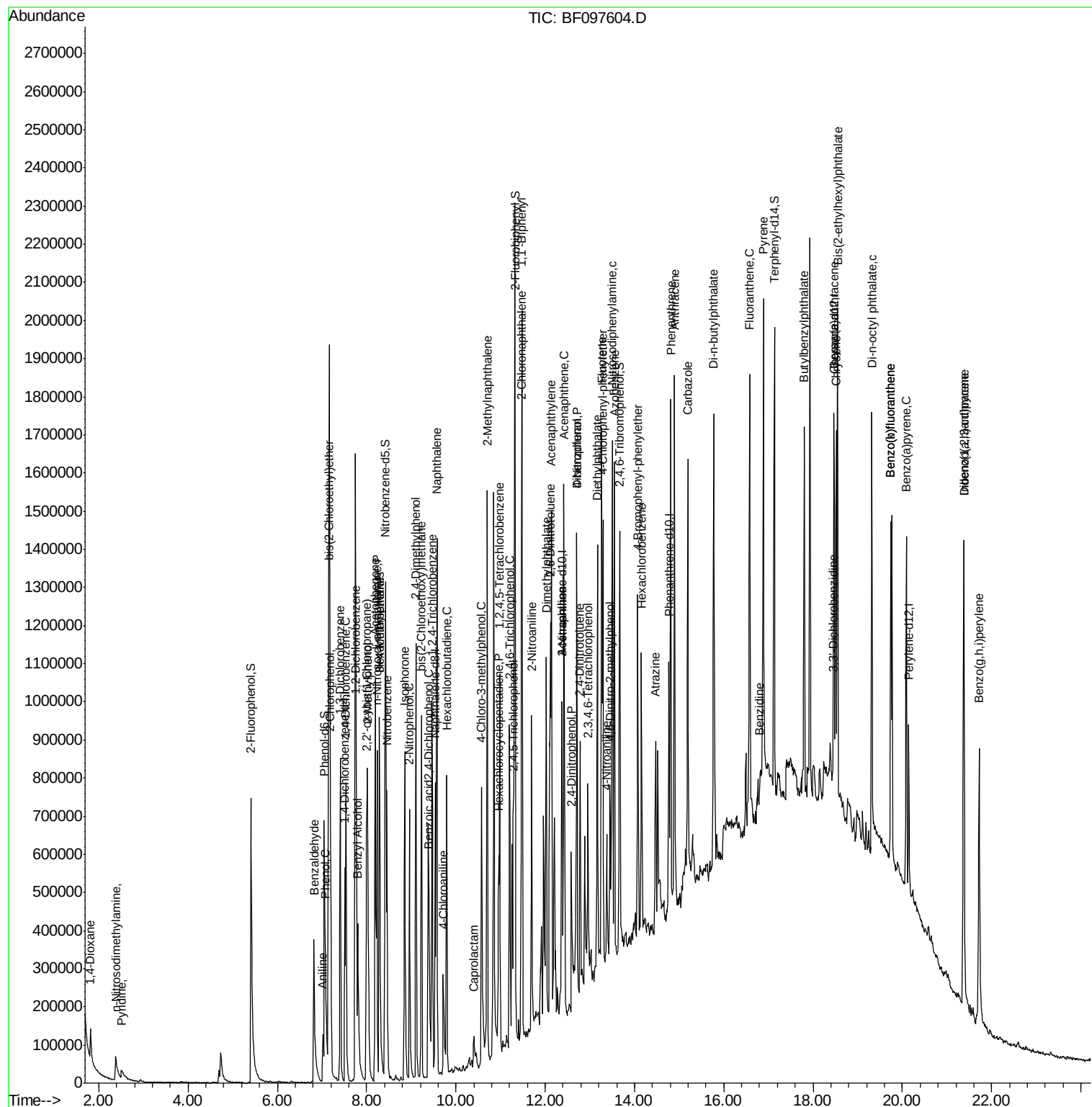
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	11.20	196	157829	44.83	nq	97
43) 2,4,5-Trichlorophenol	11.29	196	154934	46.59	nq	98
45) 1,1'-Biphenyl	11.47	154	626929	38.72	nq	97
46) 2-Chloronaphthalene	11.49	162	482446	38.81	nq	93
47) 2-Nitroaniline	11.70	65	208799	42.88	nq	97
48) Acenaphthylene	12.14	152	812705	41.12	nq	100
49) Dimethylphthalate	12.03	163	706393	48.57	nq	100
50) 2,6-Dinitrotoluene	12.12	165	135497	45.11	nq	# 70
51) Acenaphthene	12.42	154	456981	38.58	nq	100
52) 3-Nitroaniline	12.38	138	83544	21.24	nq	# 95
53) 2,4-Dinitrophenol	12.59	184	119068	96.17	nq	# 73
54) Dibenzofuran	12.71	168	704348	42.48	nq	97
55) 4-Nitrophenol	12.71	139	280940	187.59	nq	# 29
56) 2,4-Dinitrotoluene	12.78	165	178978	44.65	nq	# 76
57) Fluorene	13.26	166	590939	43.34	nq	96
58) 2,3,4,6-Tetrachlorophenol	12.96	232	112915	49.44	nq	99
59) Diethylphthalate	13.17	149	639920	46.58	nq	99
60) 4-Chlorophenyl-phenylether	13.29	204	255475	43.89	nq	98
61) 4-Nitroaniline	13.38	138	79412	21.17	nq	96
62) Azobenzene	13.55	77	657647	48.12	nq	93
64) 4,6-Dinitro-2-methylphenol	13.46	198	91333	46.22	nq	91
65) n-Nitrosodiphenylamine	13.50	169	508680	42.49	nq	97
66) 4-Bromophenyl-phenylether	14.07	248	143927	42.83	nq	94
67) Hexachlorobenzene	14.16	284	154334	42.16	nq	# 88
68) Atrazine	14.47	200	100599	33.49	nq	93
69) Pentachlorophenol	14.52	266	110024	Below	Cal	99
70) Phenanthrene	14.81	178	776813	41.64	nq	99
71) Anthracene	14.90	178	775359	40.62	nq	99
72) Carbazole	15.19	167	707375	38.93	nq	98
73) Di-n-butylphthalate	15.77	149	862365	40.54	nq	99
74) Fluoranthene	16.58	202	648513	38.47	nq	99
76) Benzidine	16.80	184	298	0.05	nq	# 1
77) Pyrene	16.88	202	635777	39.58	nq	99
79) Butylbenzylphthalate	17.80	149	310051	46.17	nq	# 74
80) Benzo(a)anthracene	18.47	228	501943	44.24	nq	99
81) 3,3'-Dichlorobenzidine	18.44	252	825	0.21	nq	# 31
82) Chrysene	18.52	228	469499	41.61	nq	99
83) Bis(2-ethylhexyl)phthalate	18.55	149	458659	48.02	nq	# 100
84) Di-n-octyl phthalate	19.31	149	734355	44.02	nq	# 90
85) Indeno(1,2,3-cd)pyrene	21.37	276	557529	63.52	nq	98
87) Benzo(b)fluoranthene	19.74	252	522476	42.51	nq	97
88) Benzo(k)fluoranthene	19.74	252	522476	42.21	nq	95
89) Benzo(a)pyrene	20.09	252	484695	42.97	nq	98
90) Dibenzo(a,h)anthracene	21.38	278	462499	57.26	nq	97
91) Benzo(g,h,i)perylene	21.72	276	516531	58.30	nq	98

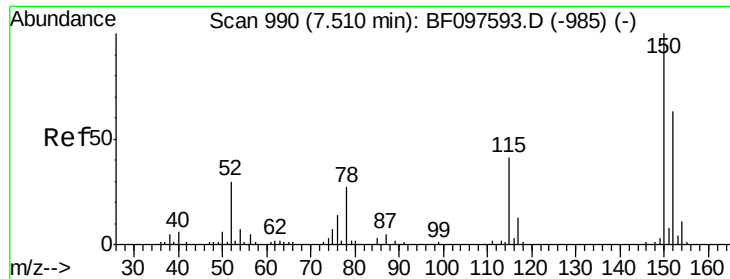
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.51 min Scan# 990

Delta R.T. -0.00 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

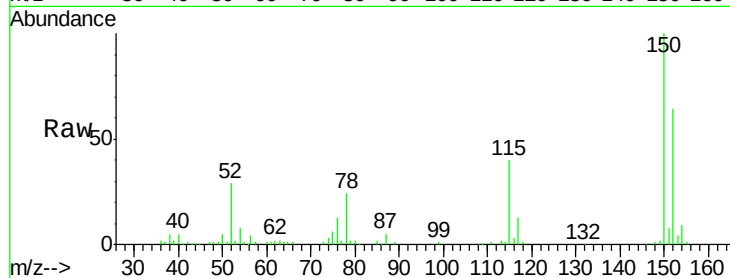
Tot Ion:152 Resp: 99449

Ion Ratio Lower Upper

152 100

150 156.3 126.2 189.2

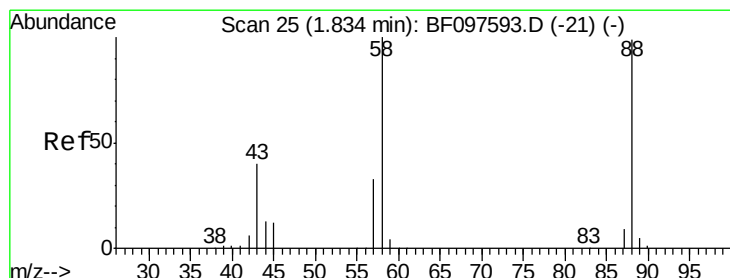
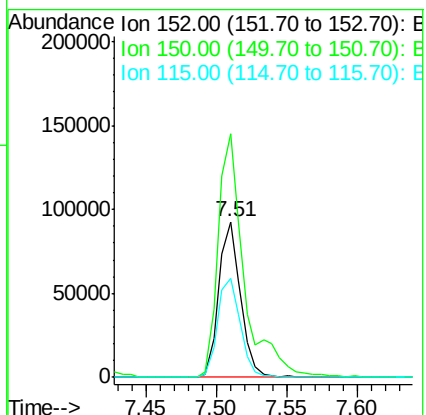
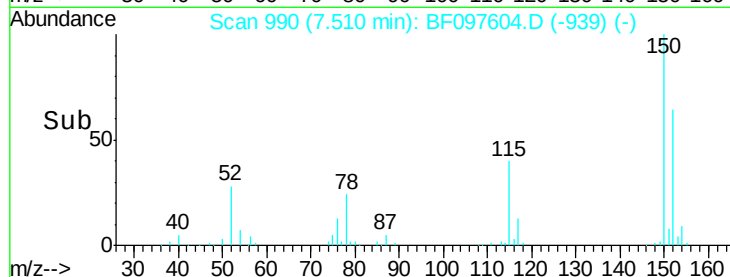
115 63.3 52.2 78.2



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: 13.80 ng

RT: 1.82 min Scan# 22

Delta R.T. -0.02 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

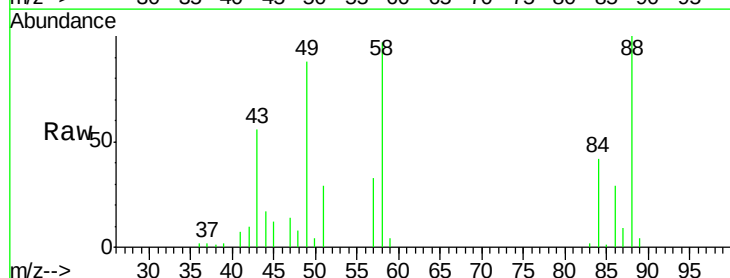
Tgt Ion: 88 Resp: 37481

Ion Ratio Lower Upper

88 100

58 99.5 61.4 92.0#

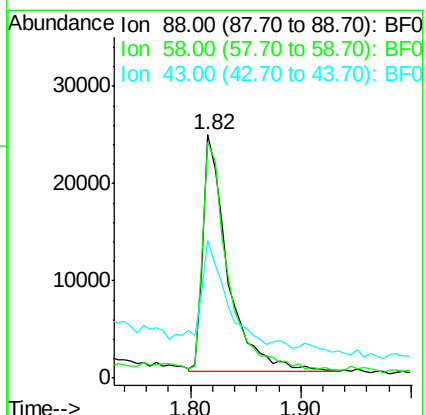
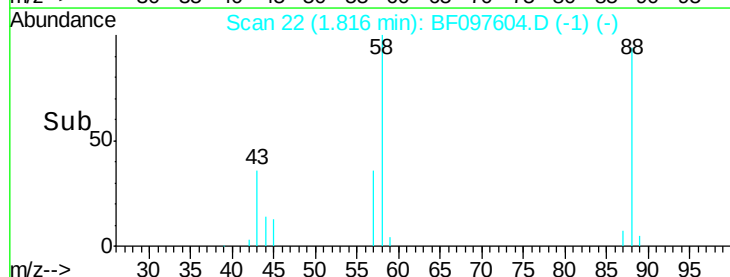
43 40.8 23.4 35.0#

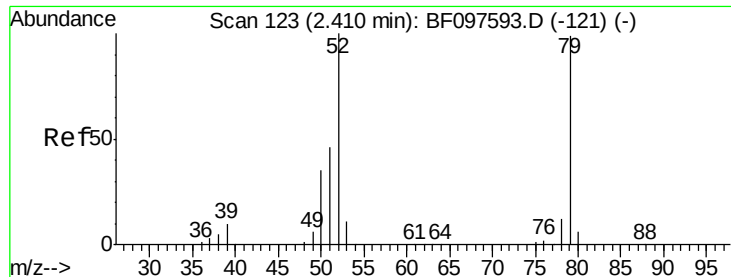


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 4.19 ng

RT: 2.51 min Scan# 140

Delta R.T. 0.10 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

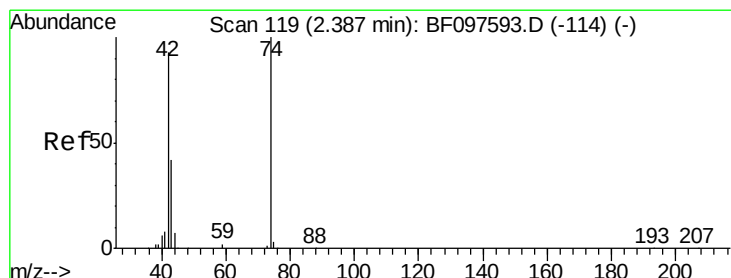
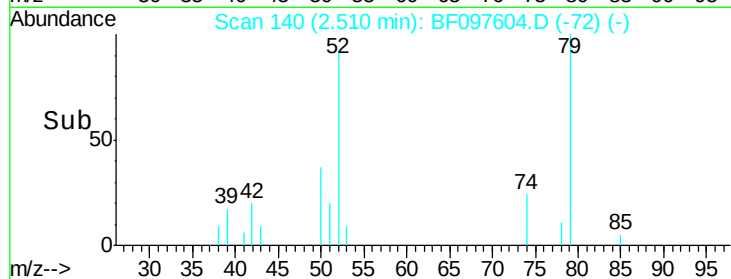
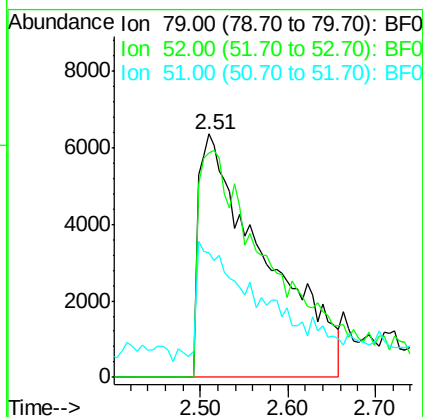
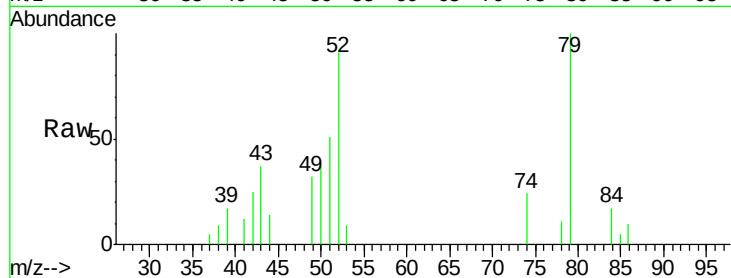
Tot Ion: 79 Resp: 33180

Ion Ratio Lower Upper

79 100

52 92.2 54.8 82.2#

51 51.2 27.0 40.4#



#4

n-Nitrosodimethylamine

Concen: 13.94 ng

RT: 2.38 min Scan# 118

Delta R.T. -0.01 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

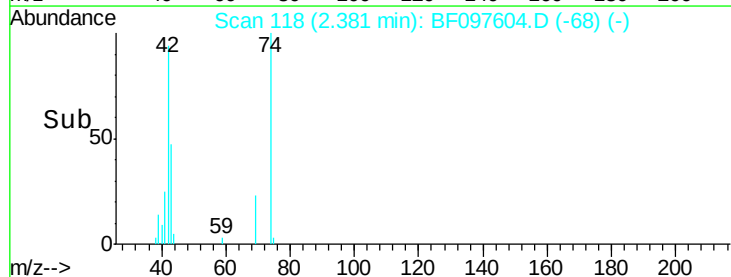
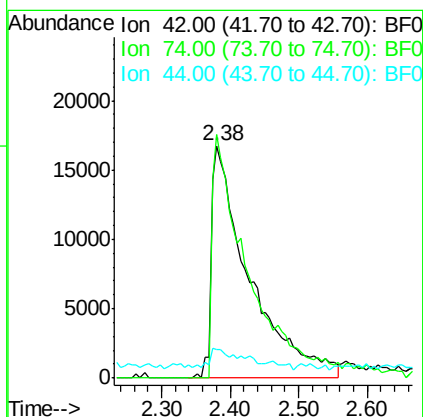
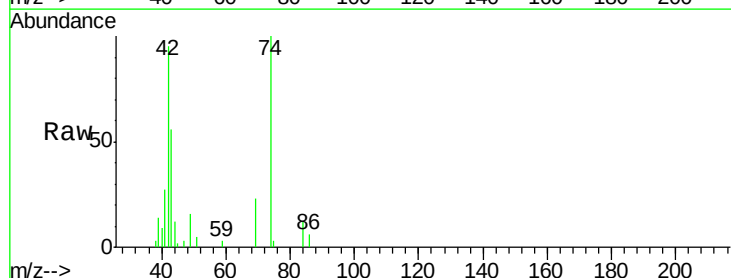
Tgt Ion: 42 Resp: 64037

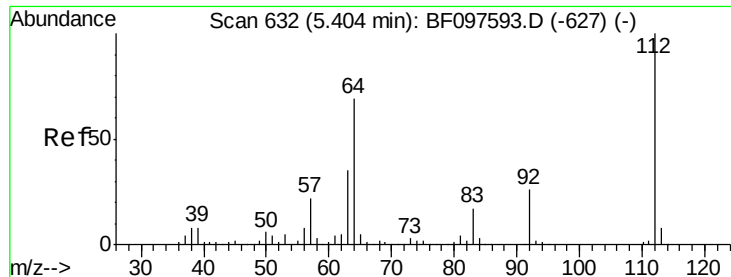
Ion Ratio Lower Upper

42 100

74 104.7 103.9 155.9

44 12.3 5.7 8.5#





#5

2-Fluorophenol

Concen: 73.73 ng

RT: 5.41 min Scan# 633

Delta R.T. 0.01 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

Instrument :

BNA_F

ClientSampleId :

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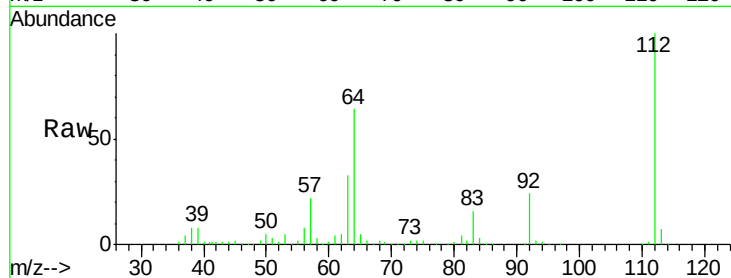
Tot Ion:112 Resp: 461315

Ion Ratio Lower Upper

112 100

64 64.1 46.0 69.0

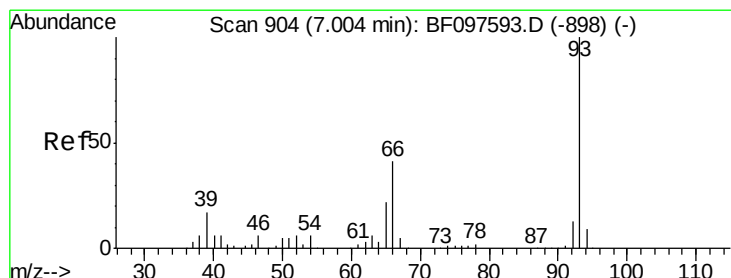
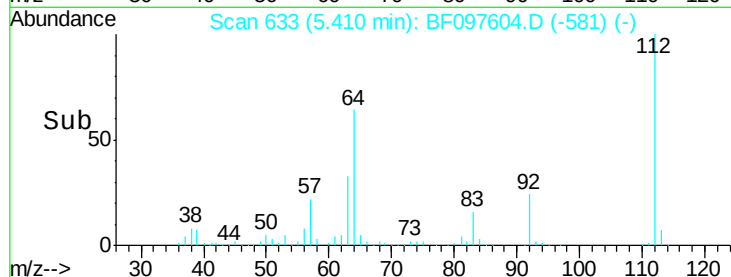
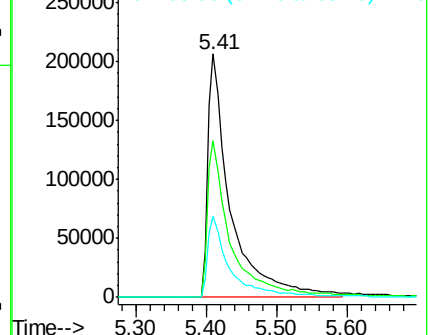
63 33.2 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 8.35 ng

RT: 7.02 min Scan# 906

Delta R.T. 0.01 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

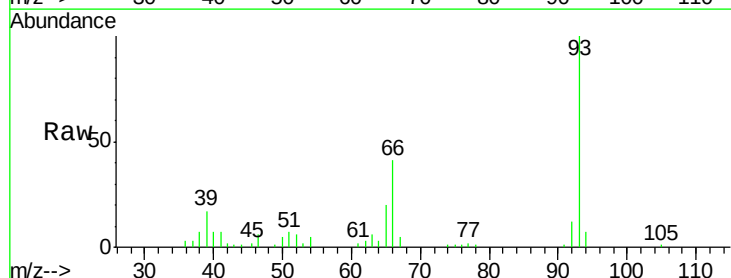
Tgt Ion: 93 Resp: 93162

Ion Ratio Lower Upper

93 100

66 41.0 32.9 49.3

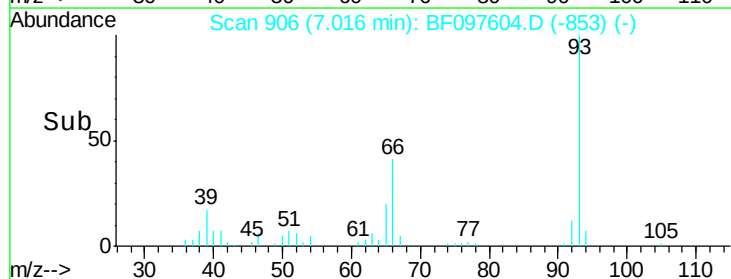
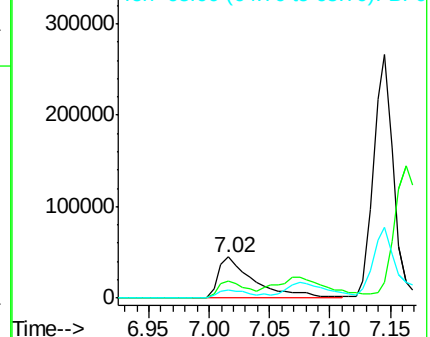
65 20.4 16.0 24.0

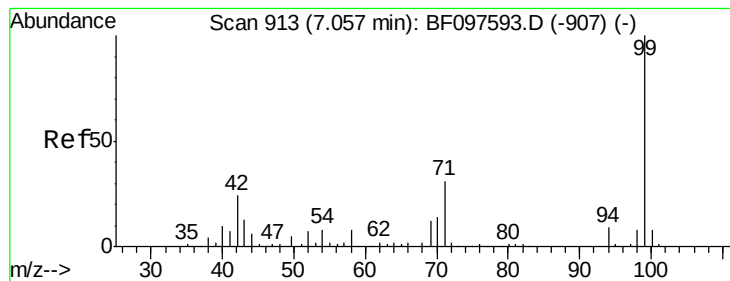


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 46.25 ng

RT: 7.05 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF097604.D

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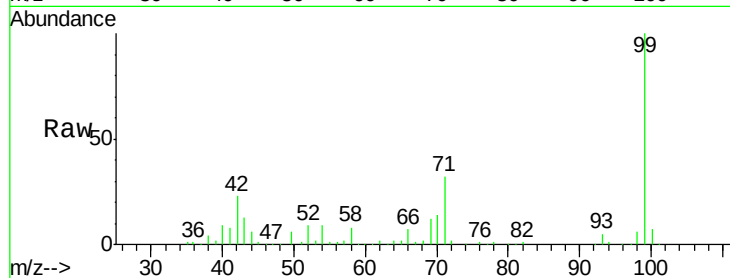
Tot Ion: 99 Resp: 358975

Ion Ratio Lower Upper

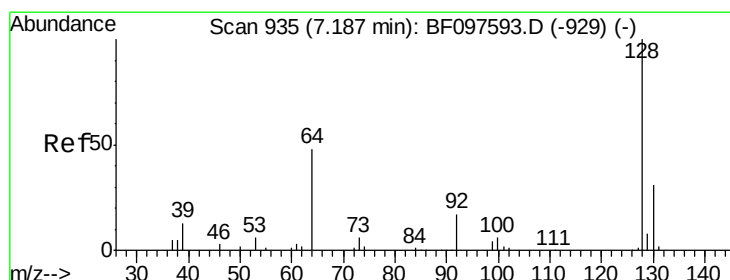
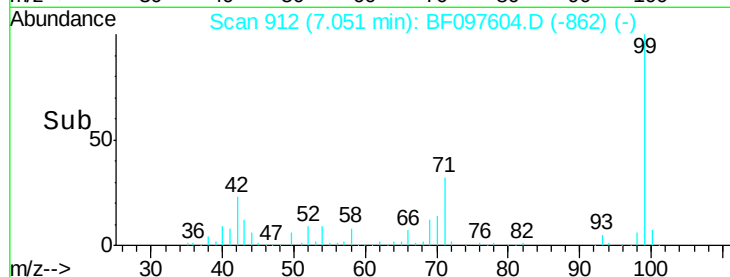
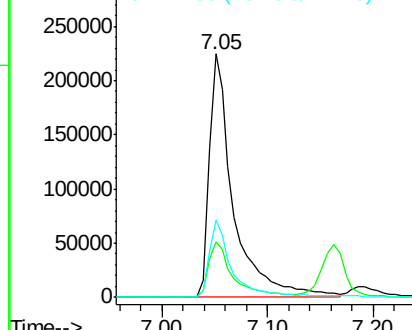
99 100

42 22.8 13.5 20.3#

71 31.8 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: 39.78 ng

RT: 7.19 min Scan# 936

Delta R.T. 0.01 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

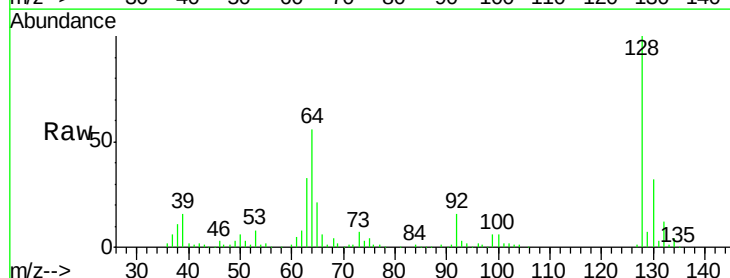
Tgt Ion: 128 Resp: 285307

Ion Ratio Lower Upper

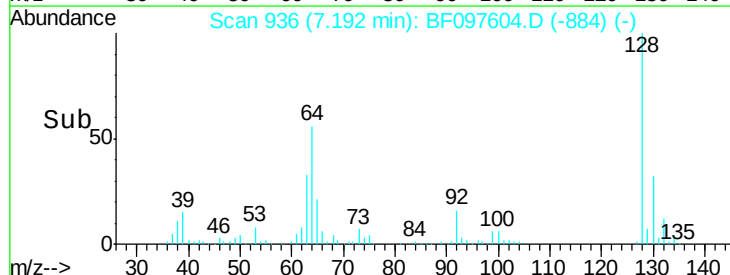
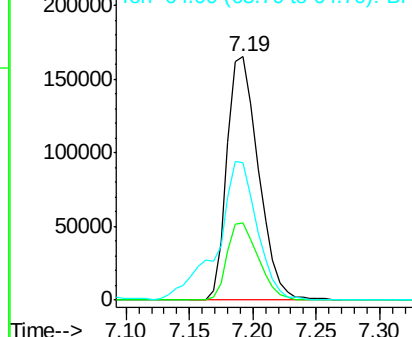
128 100

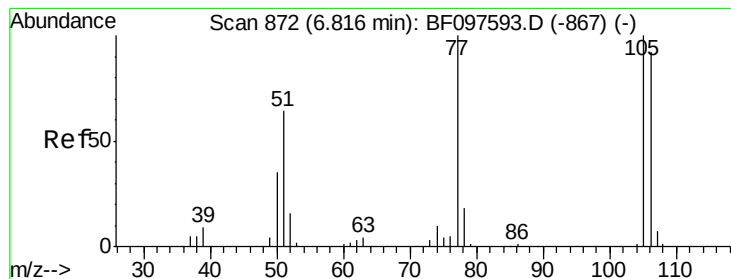
130 31.5 12.9 52.9

64 56.5 28.4 68.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 31.60 ng

RT: 6.82 min Scan# 872

Delta R.T. -0.00 min

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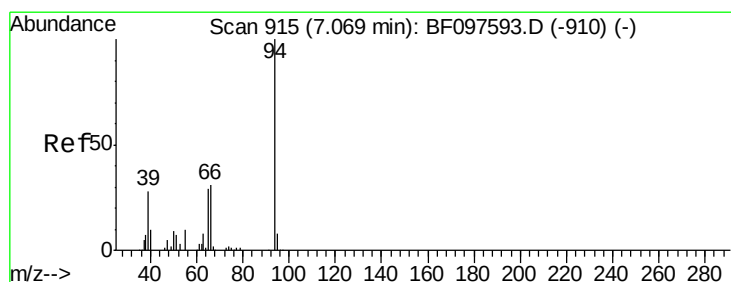
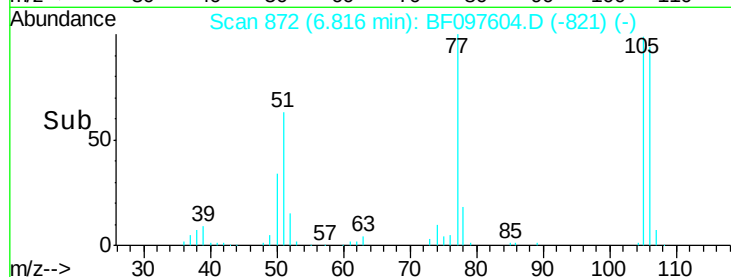
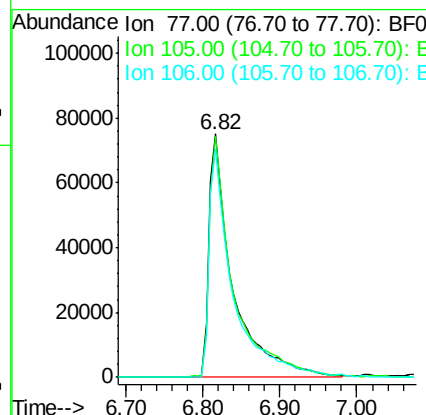
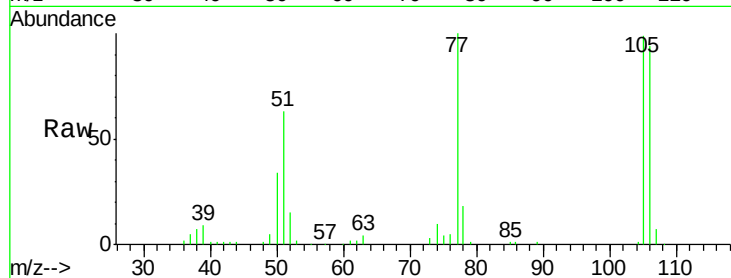
Tot Ion: 77 Resp: 161712

Ion Ratio Lower Upper

77 100

105 98.8 83.8 123.8

106 94.0 79.1 119.1



#10

Phenol

Concen: 15.07 ng

RT: 7.07 min Scan# 916

Delta R.T. 0.01 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

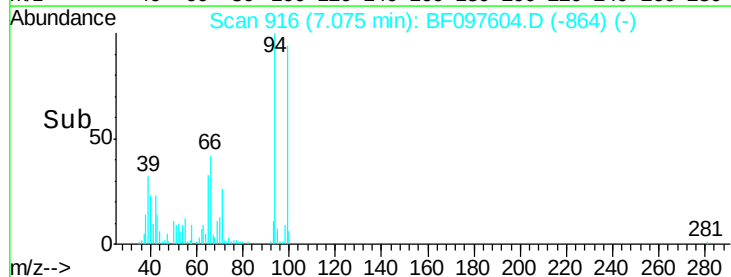
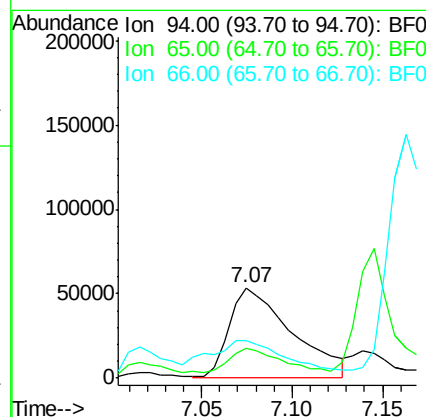
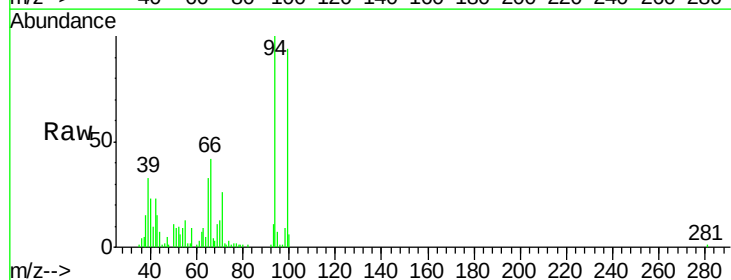
Tgt Ion: 94 Resp: 128041

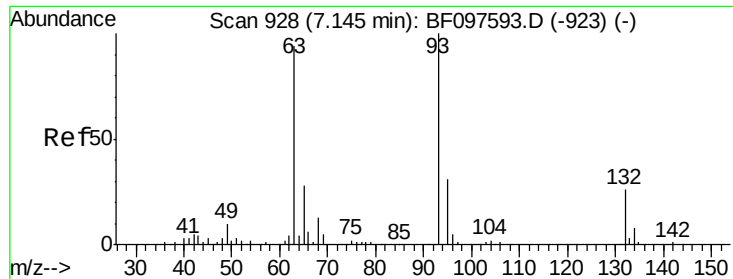
Ion Ratio Lower Upper

94 100

65 32.6 9.9 49.9

66 41.9 23.1 63.1

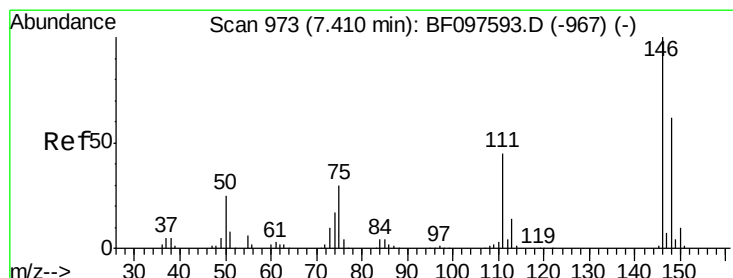
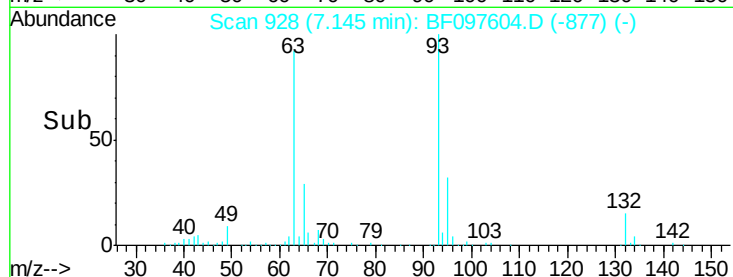
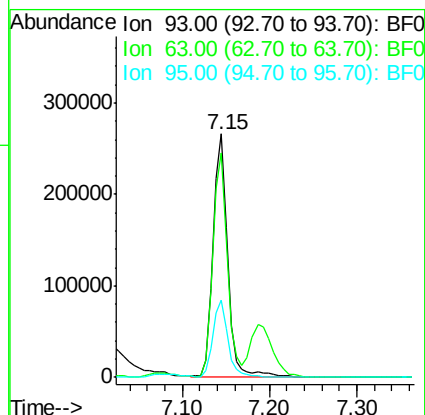
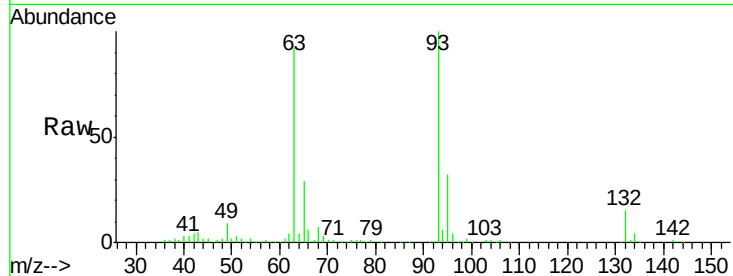




#11
bis(2-Chloroethyl)ether
Concen: 45.76 ng
RT: 7.15 min Scan# 928
Delta R.T. -0.00 min
Lab File: BF097604.D
Acq: 11 Aug 2017 20:14

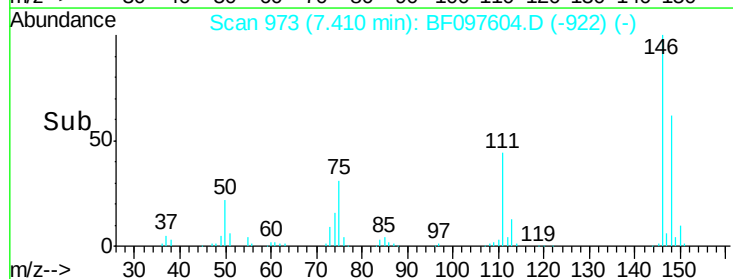
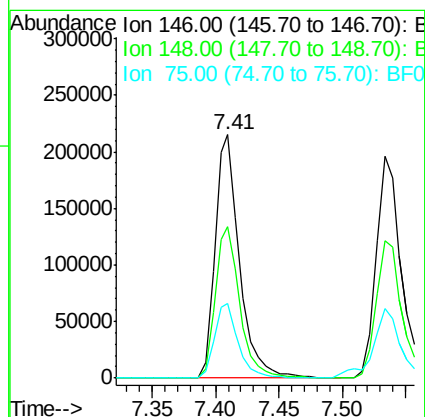
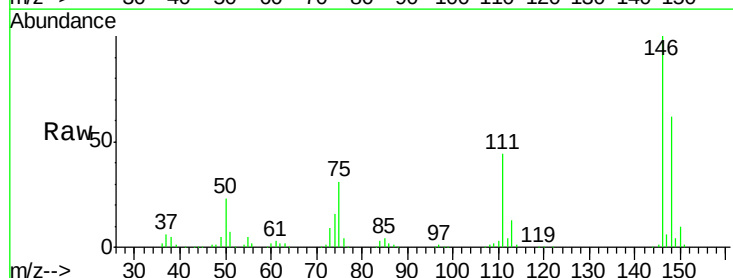
Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

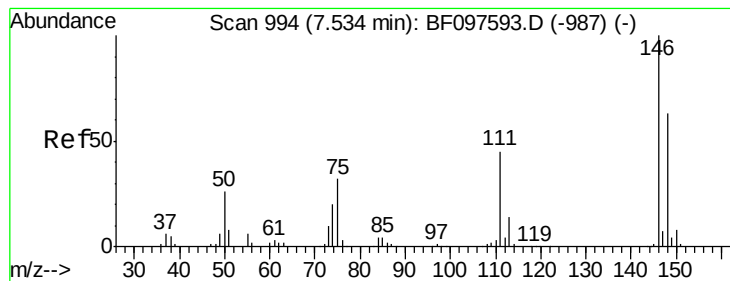
Tot Ion: 93 Resp: 311941
Ion Ratio Lower Upper
93 100
63 92.0 59.2 99.2
95 31.6 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 35.96 ng
RT: 7.41 min Scan# 973
Delta R.T. -0.00 min
Lab File: BF097604.D
Acq: 11 Aug 2017 20:14

Tgt Ion: 146 Resp: 288872
Ion Ratio Lower Upper
146 100
148 62.5 51.8 77.6
75 30.6 23.1 34.7





#13

1,4-Dichlorobenzene

Concen: 34.52 ng

RT: 7.53 min Scan# 994

Delta R.T. -0.00 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

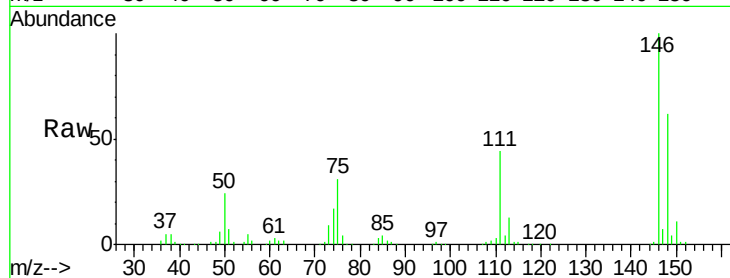
Tot Ion:146 Resp: 282244

Ion Ratio Lower Upper

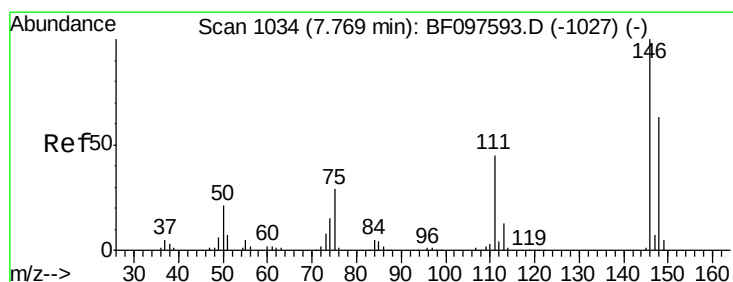
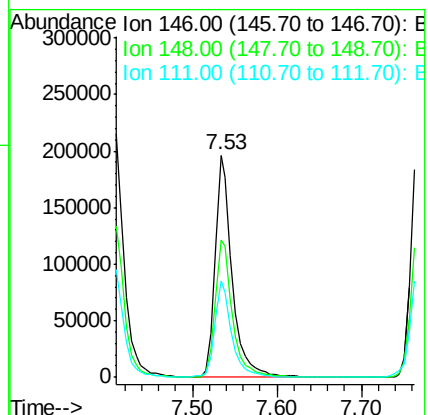
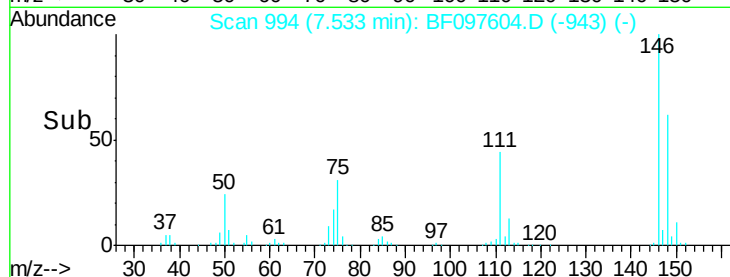
146 100

148 61.6 52.2 78.2

111 43.6 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: 38.64 ng

RT: 7.77 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

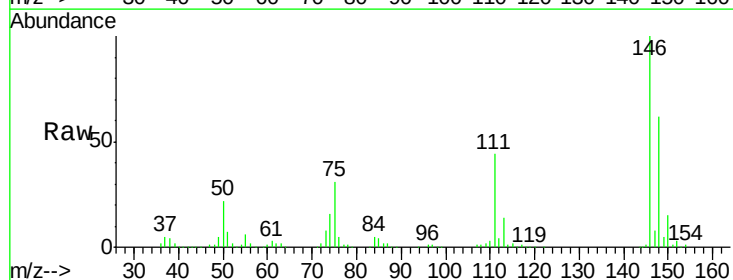
Tgt Ion:146 Resp: 288293

Ion Ratio Lower Upper

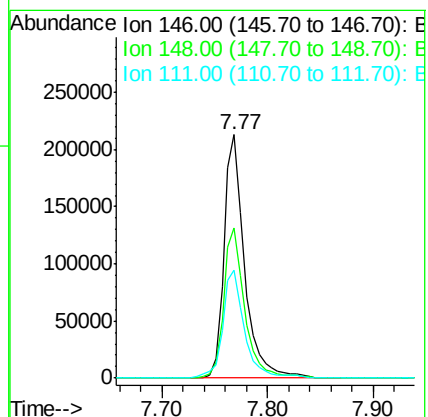
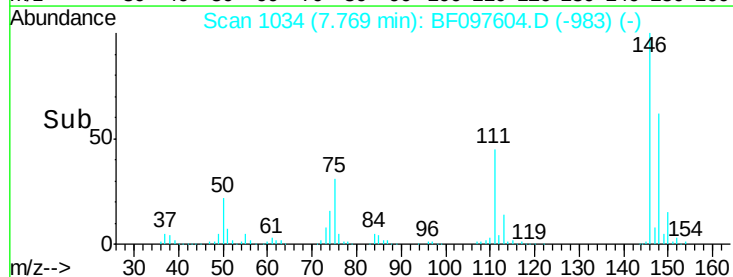
146 100

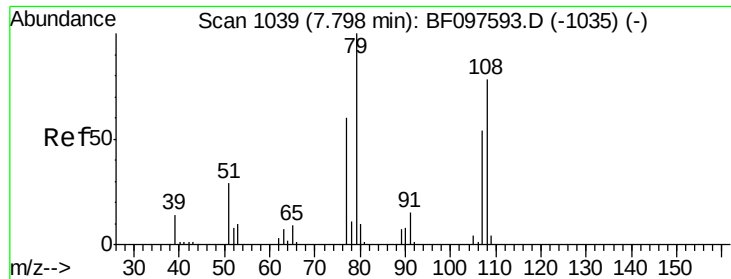
148 61.8 50.4 75.6

111 44.5 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

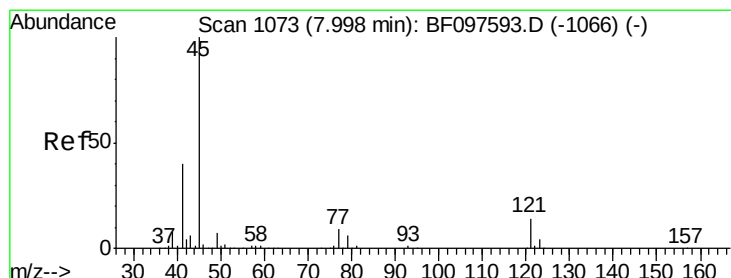
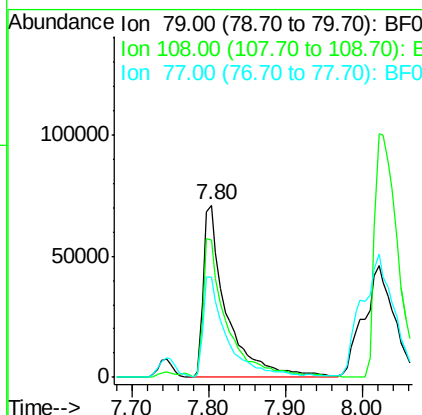
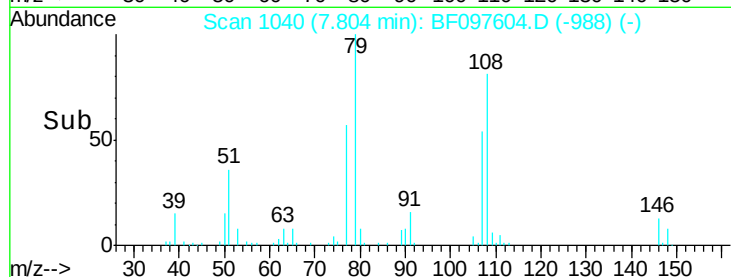
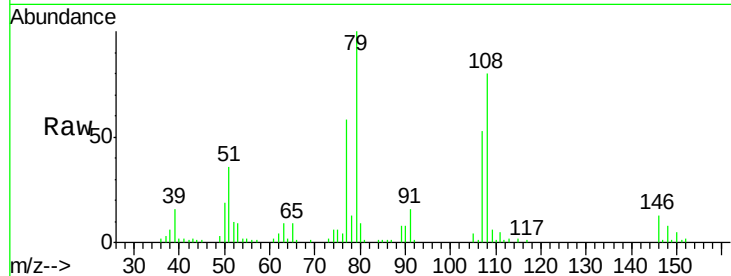




#15
Benzyl Alcohol
Concen: 26.98 ng
RT: 7.80 min Scan# 1040
Delta R.T. 0.01 min
Lab File: BF097604.D
Acq: 11 Aug 2017 20:14

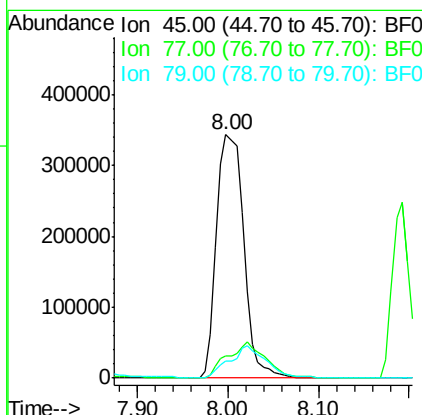
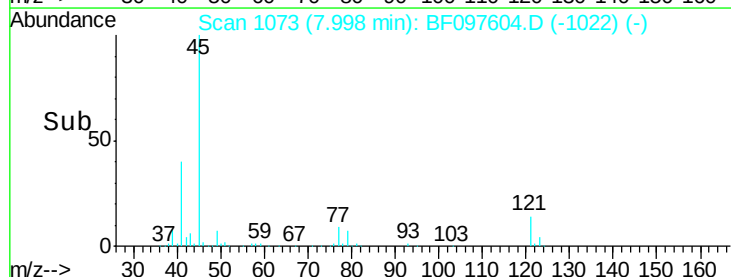
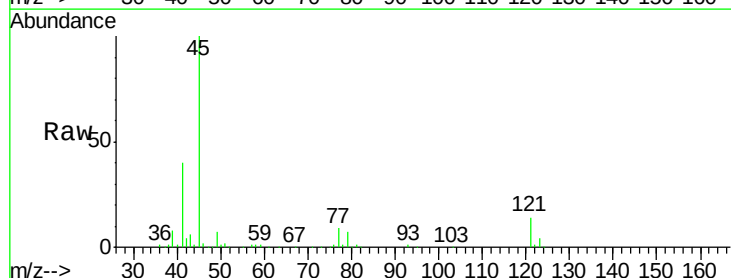
Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

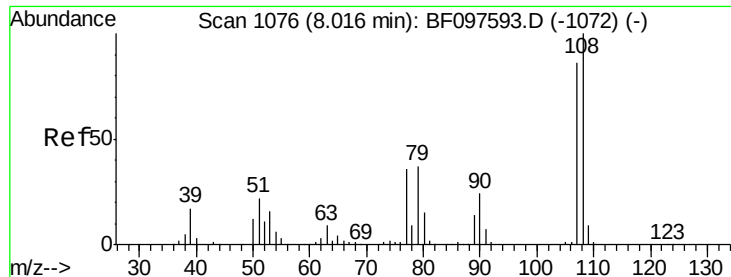
Tot Ion: 79 Resp: 144695
Ion Ratio Lower Upper
79 100
108 79.8 63.4 95.0
77 58.0 49.2 73.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.19 ng
RT: 8.00 min Scan# 1073
Delta R.T. -0.00 min
Lab File: BF097604.D
Acq: 11 Aug 2017 20:14

Tgt Ion: 45 Resp: 722215
Ion Ratio Lower Upper
45 100
77 9.2 0.0 33.2
79 6.9 0.0 30.0

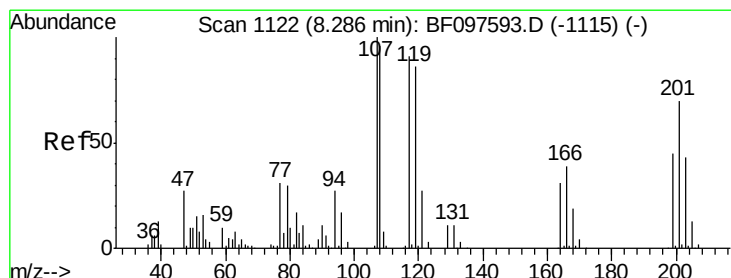
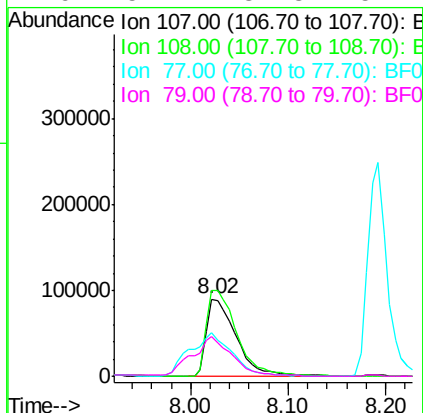
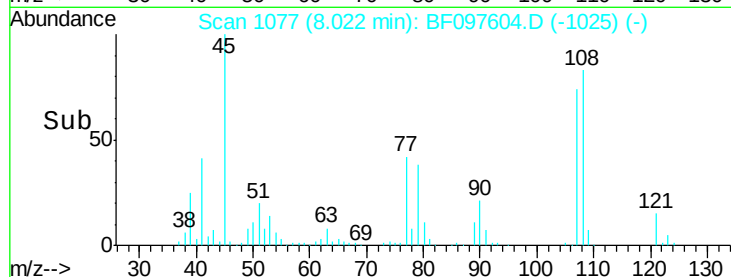
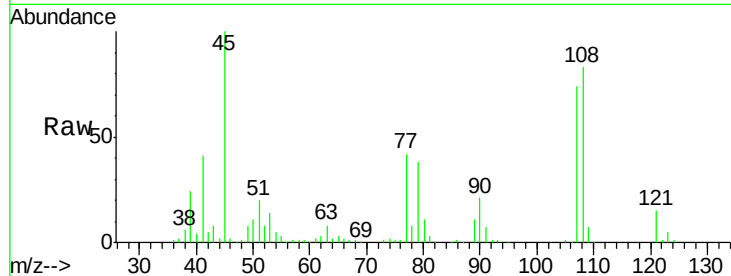




#17
 2-Methylphenol
 Concen: 34.21 ng
 RT: 8.02 min Scan# 1077
 Delta R.T. 0.01 min
 Lab File: BF097604.D
 Acq: 11 Aug 2017 20:14

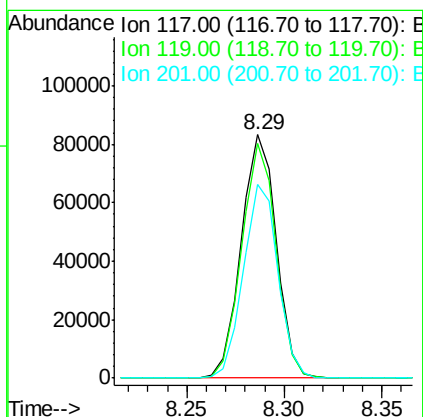
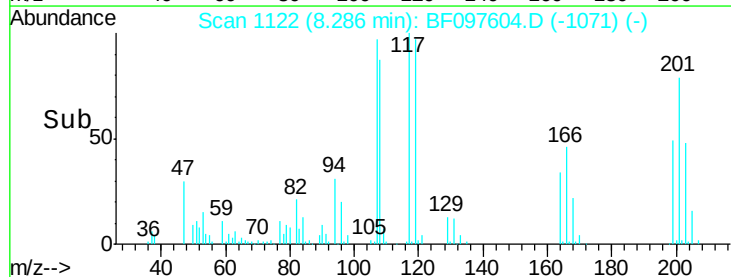
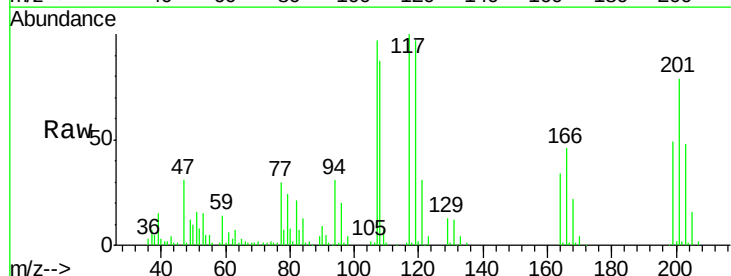
Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MS

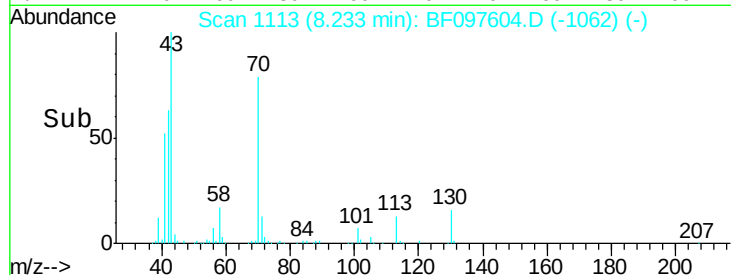
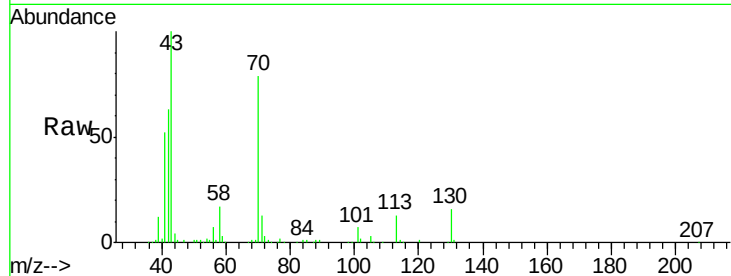
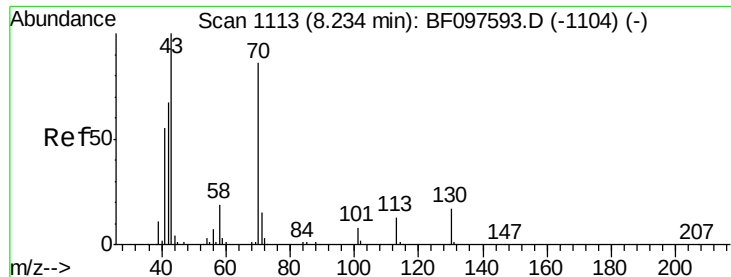
Tot Ion:	107	Resp:	190143
Ion	Ratio	Lower	Upper
107	100		
108	112.3	93.4	140.0
77	56.9	35.8	53.6#
79	51.7	34.8	52.2



#18
 Hexachloroethane
 Concen: 37.03 ng
 RT: 8.29 min Scan# 1122
 Delta R.T. -0.00 min
 Lab File: BF097604.D
 Acq: 11 Aug 2017 20:14

Tgt Ion:	117	Resp:	103581
Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.4	116.0
201	79.5	94.6	141.8#

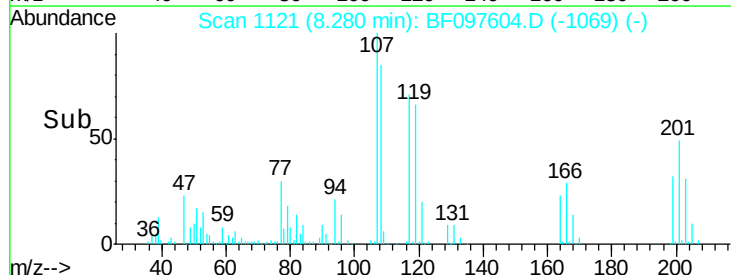
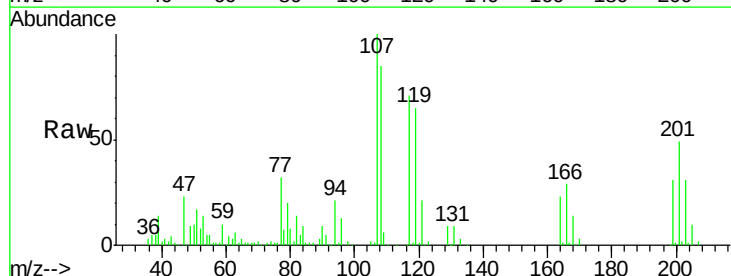
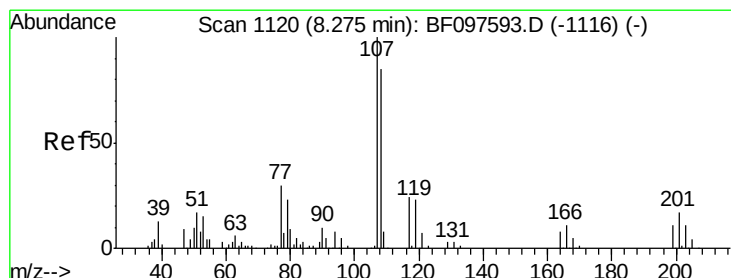
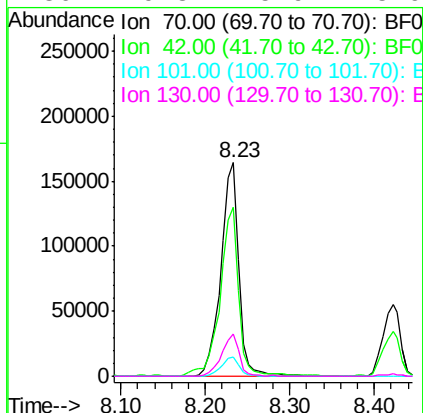




#19
n-Nitroso-di-n-propylamine
Concen: 44.87 ng
RT: 8.23 min Scan# 1113
Delta R.T. -0.00 min
Lab File: BF097604.D
Acq: 11 Aug 2017 20:14

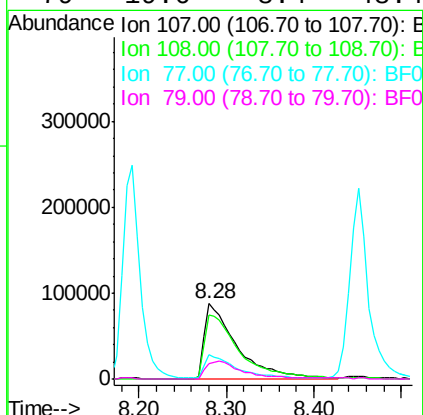
Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

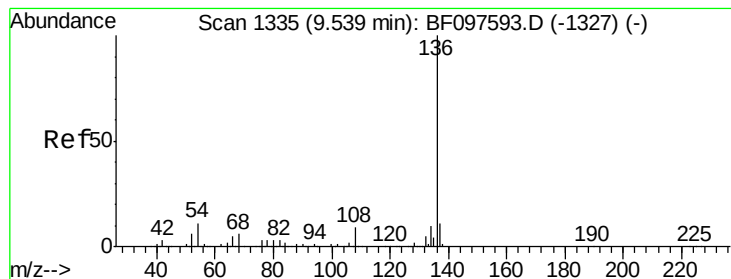
Tot Ion	Ratio	Lower	Upper
70	100		
42	79.3	47.2	70.8#
101	9.0	7.2	10.8
130	19.8	15.9	23.9



#20
3+4-Methylphenols
Concen: 33.27 ng
RT: 8.28 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BF097604.D
Acq: 11 Aug 2017 20:14

Tgt Ion	Ratio	Lower	Upper
107	100		
108	84.7	71.0	111.0
77	31.8	90.5	130.5#
79	19.6	8.4	48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.54 min Scan# 1335

Delta R.T. -0.00 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

Tot Ion:136 Resp: 468487

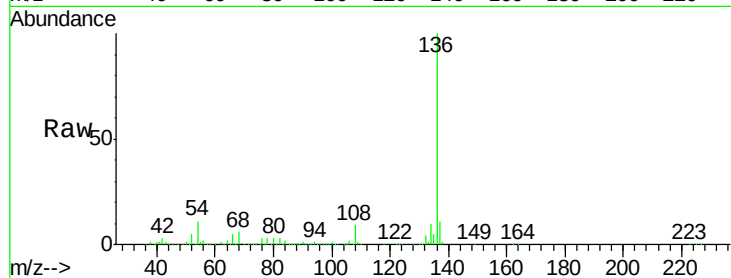
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 10.8 4.9 7.3#

68 5.5 4.1 6.1

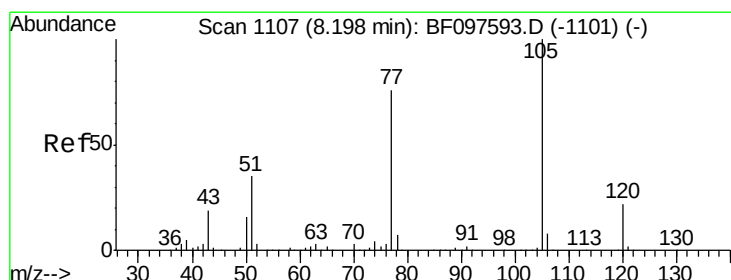
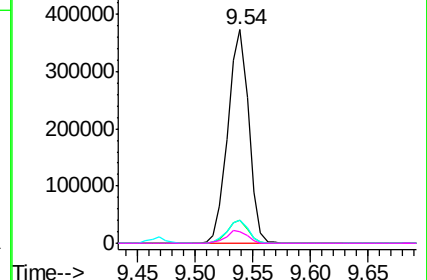
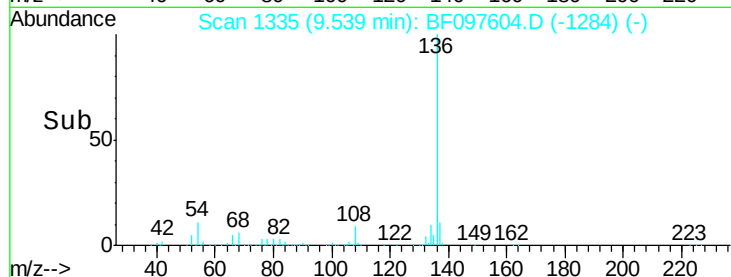


Abundance Ion 136.00 (135.70 to 136.70): E

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: 40.64 ng

RT: 8.19 min Scan# 1106

Delta R.T. -0.01 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

Tgt Ion:105 Resp: 449794

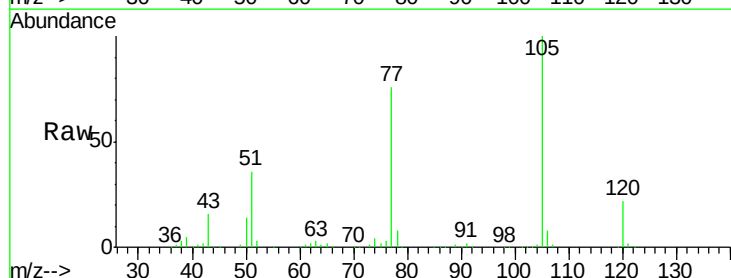
Ion Ratio Lower Upper

105 100

71 0.1 2.8 4.2#

51 36.1 30.7 46.1

120 21.6 17.4 26.0

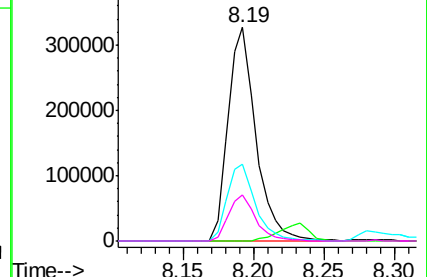
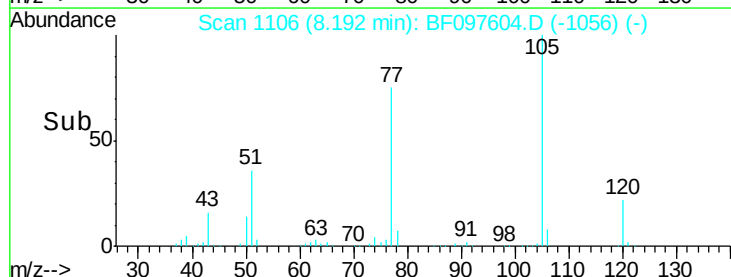


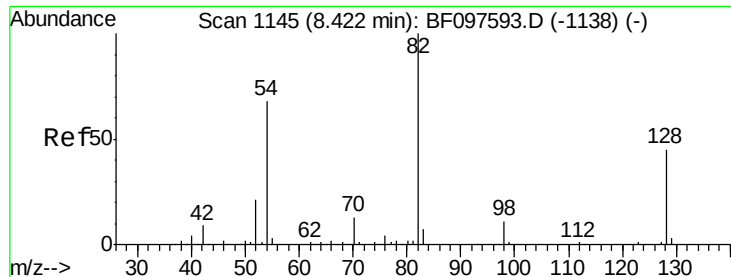
Abundance Ion 105.00 (104.70 to 105.70): E

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

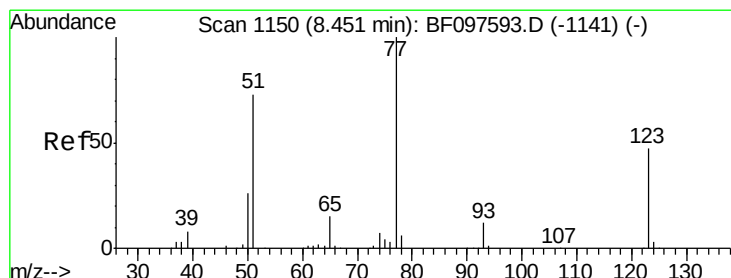
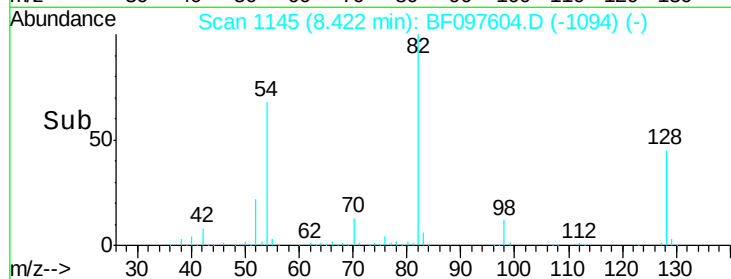
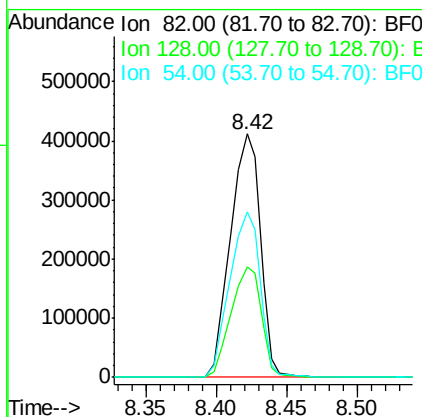
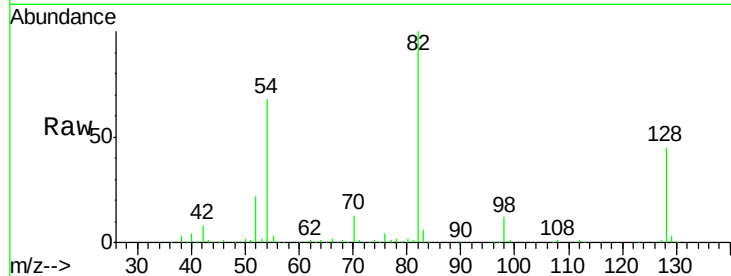




#23
 Nitrobenzene-d5
 Concen: 82.02 ng
 RT: 8.42 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: BF097604.D
 Acq: 11 Aug 2017 20:14

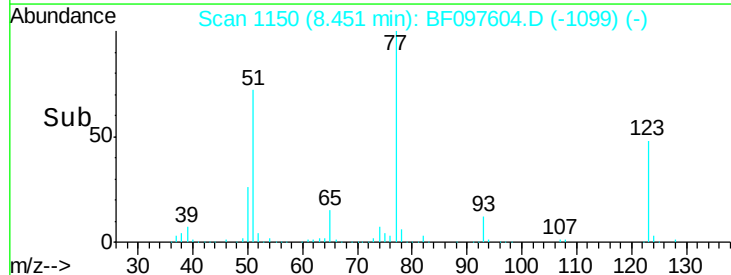
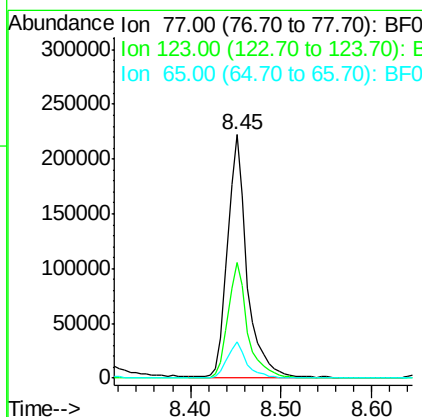
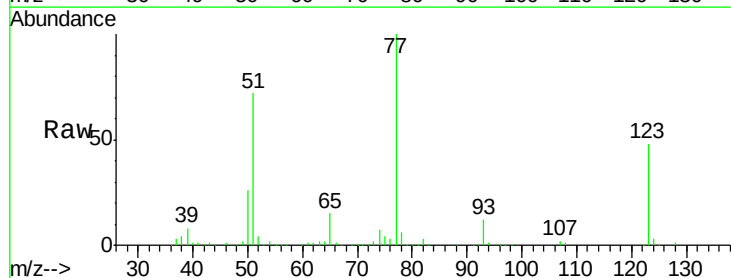
Instrument :
 BNA_F
 ClientSampleID :
 VE-4-11MS

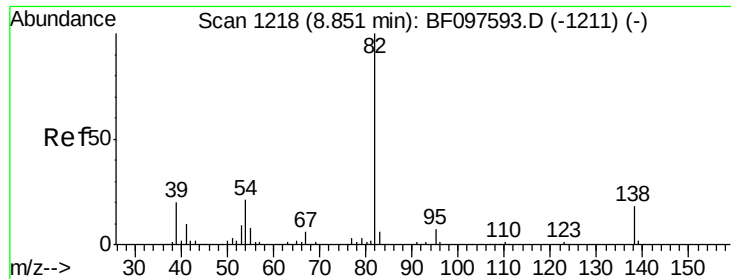
Tot Ion: 82 Resp: 612774
 Ion Ratio Lower Upper
 82 100
 128 45.3 34.0 51.0
 54 68.2 42.2 63.2#



#24
 Nitrobenzene
 Concen: 40.55 ng
 RT: 8.45 min Scan# 1150
 Delta R.T. -0.00 min
 Lab File: BF097604.D
 Acq: 11 Aug 2017 20:14

Tgt Ion: 77 Resp: 330152
 Ion Ratio Lower Upper
 77 100
 123 47.7 35.8 53.8
 65 14.9 10.6 15.8





#25

Isophorone

Concen: 42.83 ng

RT: 8.85 min Scan# 1218

Delta R.T. -0.00 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

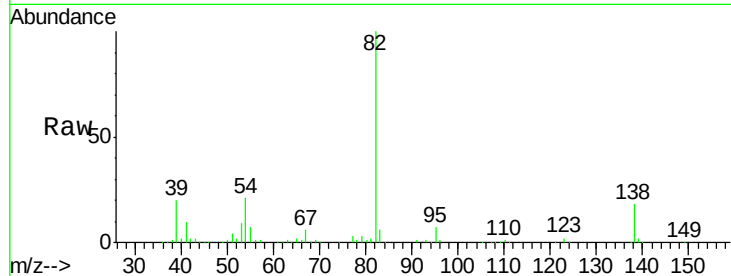
Tot Ion: 82 Resp: 589482

Ion Ratio Lower Upper

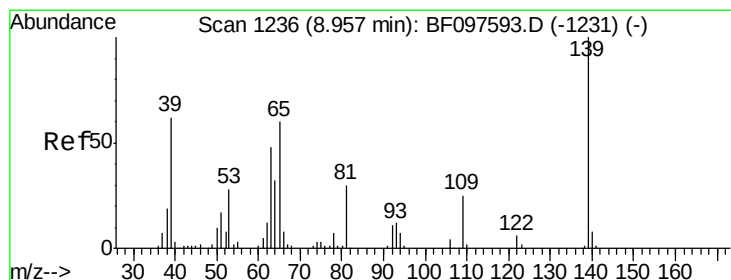
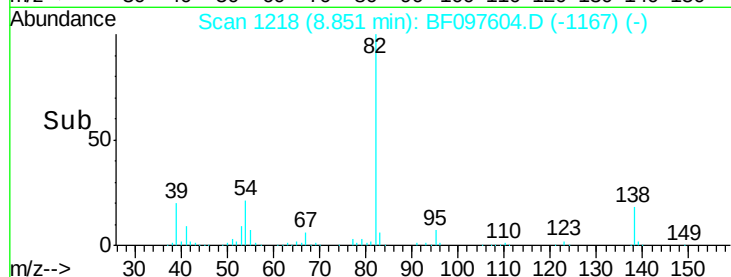
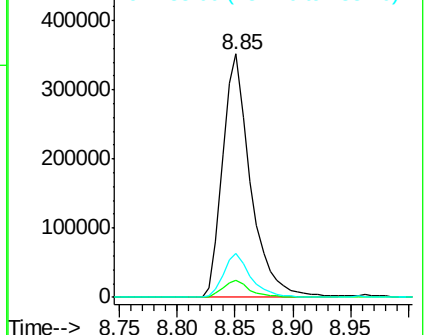
82 100

95 7.0 5.3 7.9

138 18.1 13.1 19.7



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



#26

2-Nitrophenol

Concen: 46.10 ng

RT: 8.96 min Scan# 1236

Delta R.T. -0.00 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

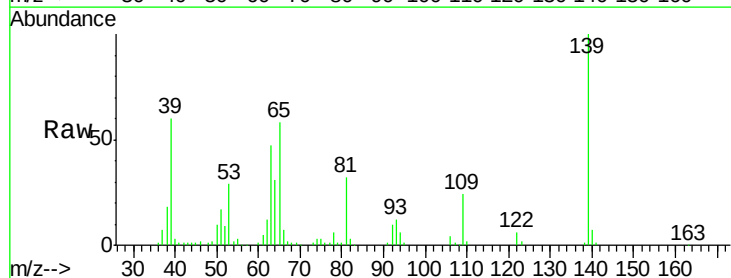
Tgt Ion: 139 Resp: 189864

Ion Ratio Lower Upper

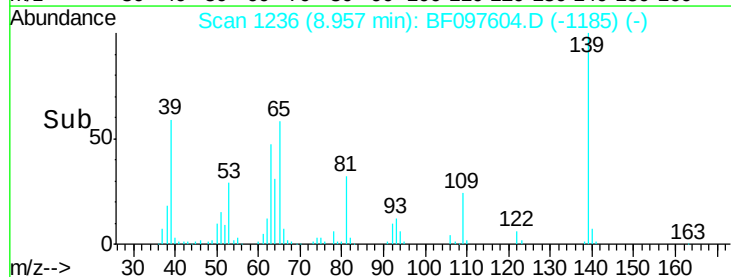
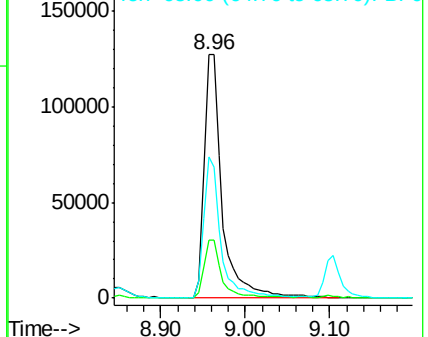
139 100

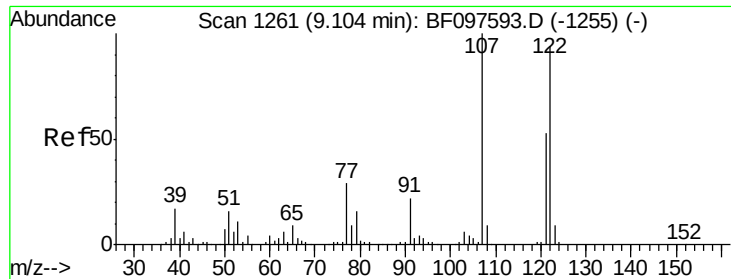
109 23.8 21.0 31.6

65 57.8 33.0 49.6#



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

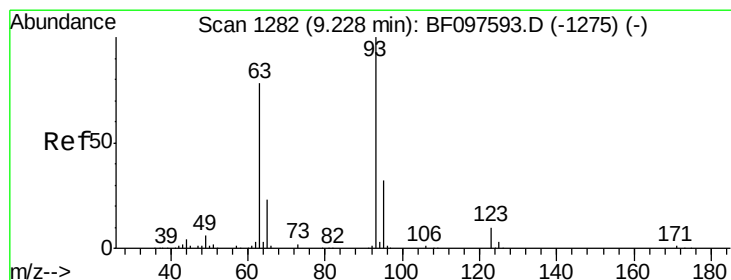
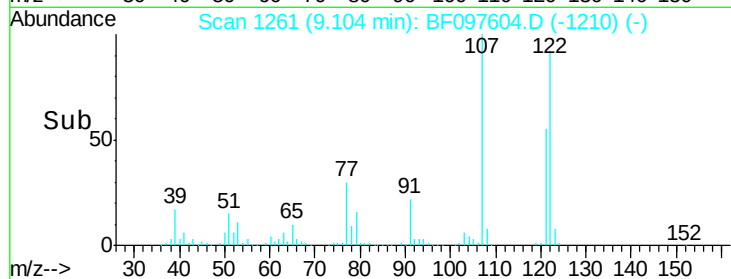
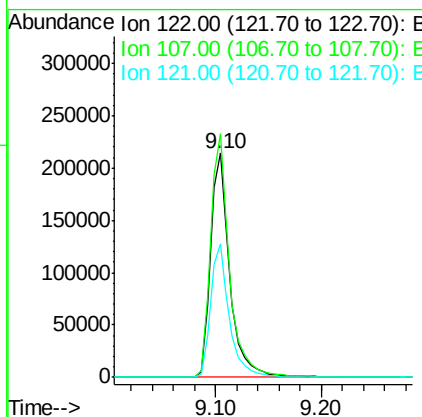
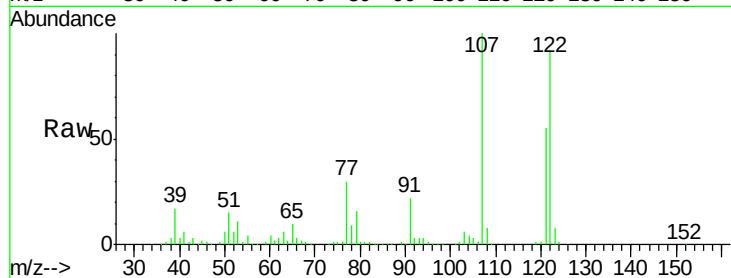




#27
 2,4-Dimethylphenol
 Concen: 40.07 ng
 RT: 9.10 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: BF097604.D
 Acq: 11 Aug 2017 20:14

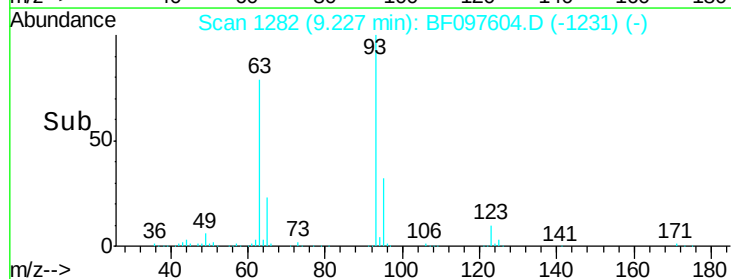
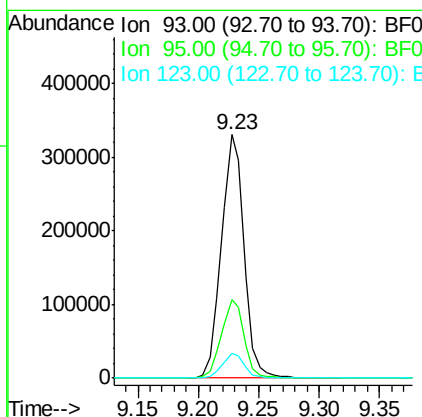
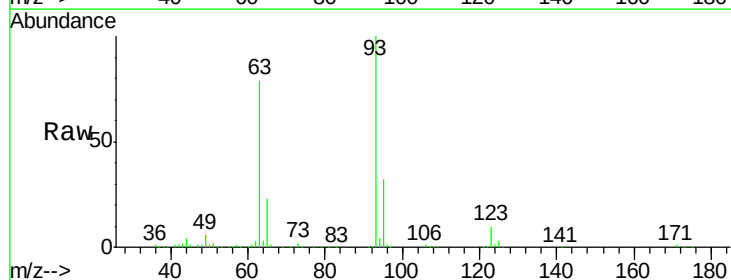
Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MS

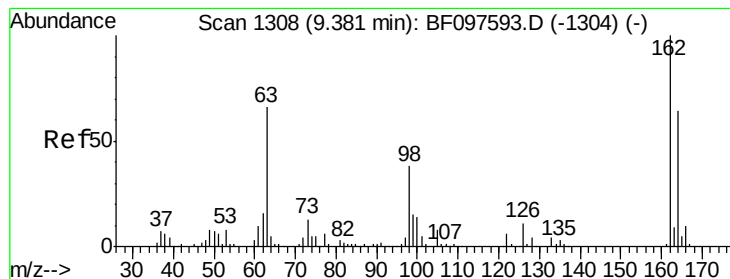
Tot Ion:122 Resp: 275211
 Ion Ratio Lower Upper
 122 100
 107 108.8 89.2 133.8
 121 59.6 45.2 67.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 42.98 ng
 RT: 9.23 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: BF097604.D
 Acq: 11 Aug 2017 20:14

Tgt Ion: 93 Resp: 427390
 Ion Ratio Lower Upper
 93 100
 95 32.3 26.5 39.7
 123 10.0 9.0 13.4





#29

2,4-Dichlorophenol

Concen: 44.25 ng

RT: 9.38 min Scan# 1308

Delta R.T. -0.00 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

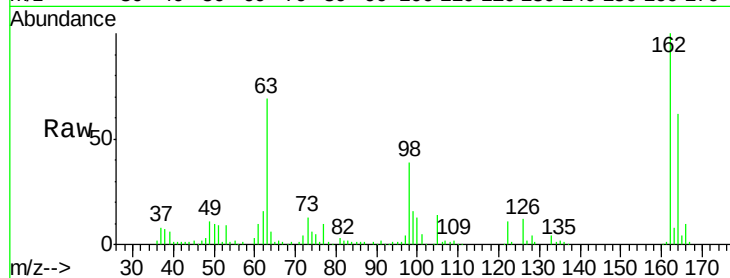
Tot Ion:162 Resp: 267963

Ion Ratio Lower Upper

162 100

164 61.8 44.6 84.6

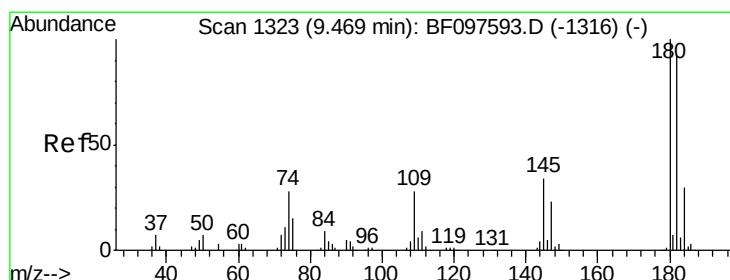
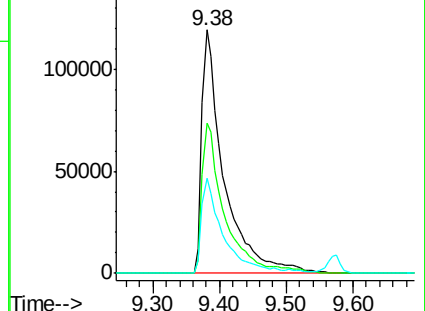
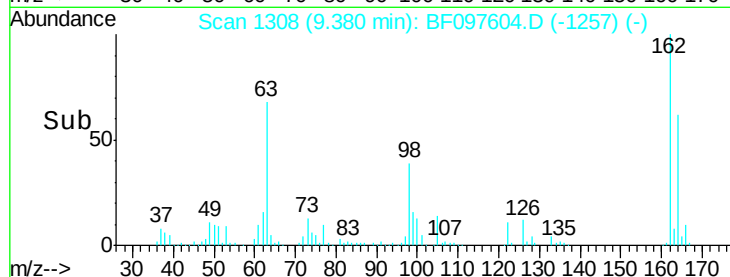
98 39.3 14.8 54.8



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: 38.09 ng

RT: 9.47 min Scan# 1323

Delta R.T. -0.00 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

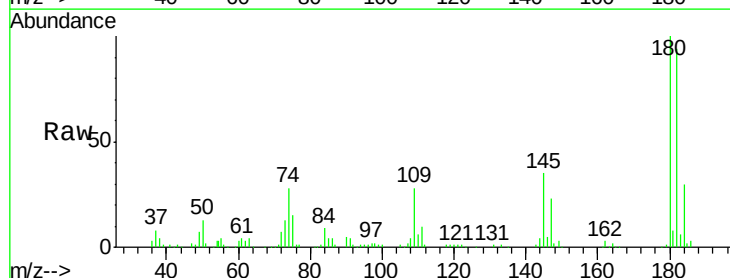
Tgt Ion:180 Resp: 228686

Ion Ratio Lower Upper

180 100

182 94.1 75.8 113.6

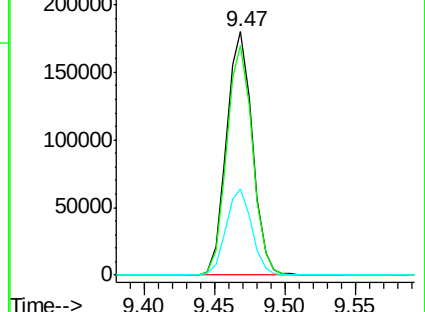
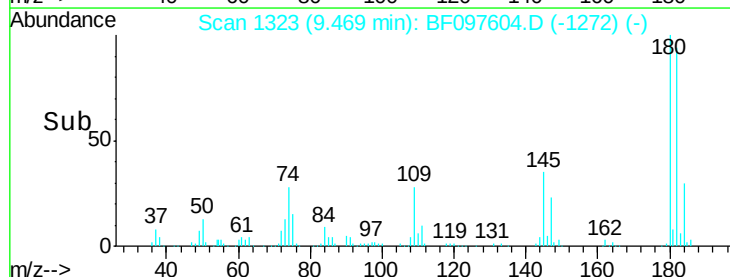
145 35.3 25.3 37.9

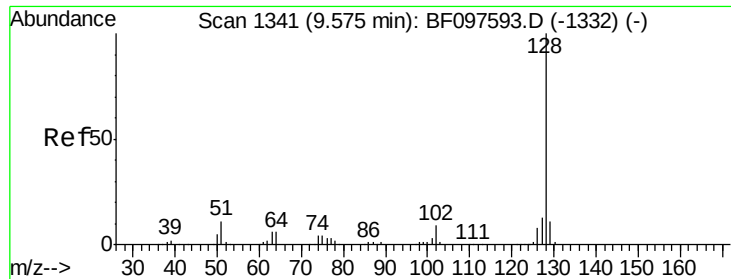


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

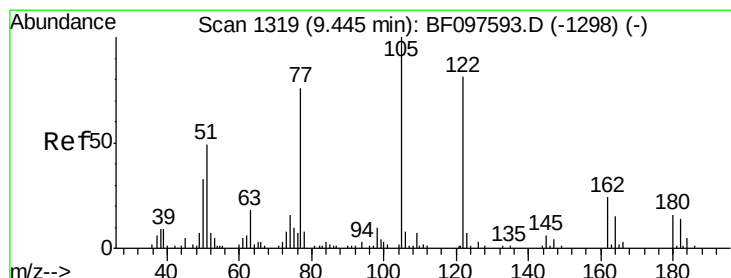
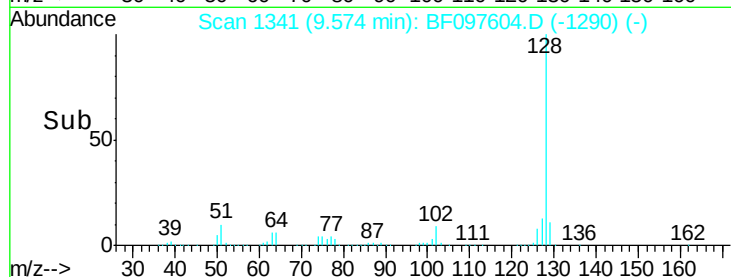
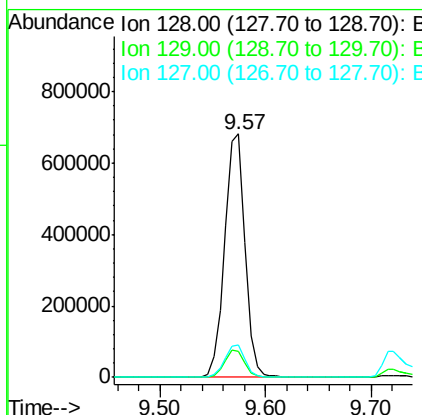
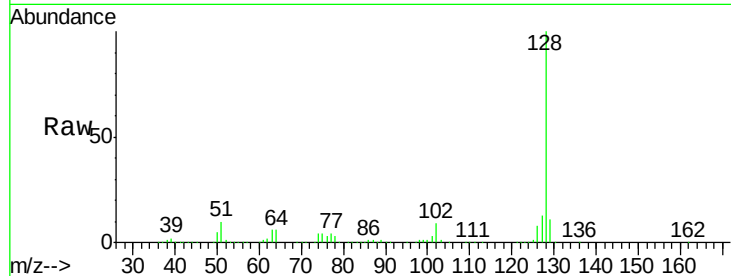




#31
Naphthalene
Concen: 38.73 ng
RT: 9.57 min Scan# 1341
Delta R.T. -0.00 min
Lab File: BF097604.D
Acq: 11 Aug 2017 20:14

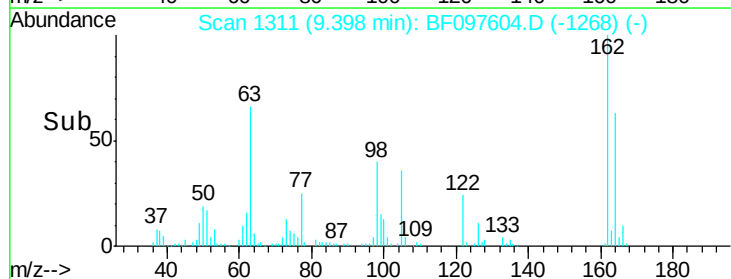
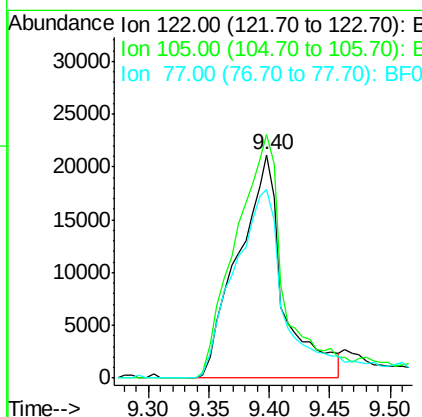
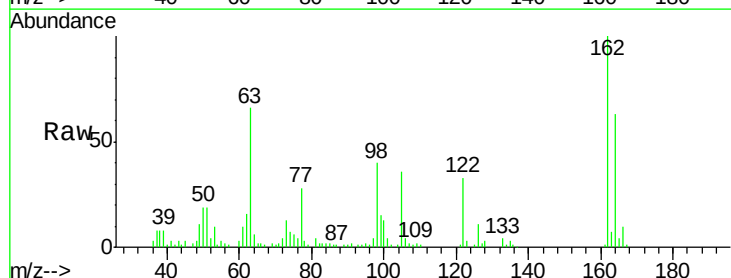
Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

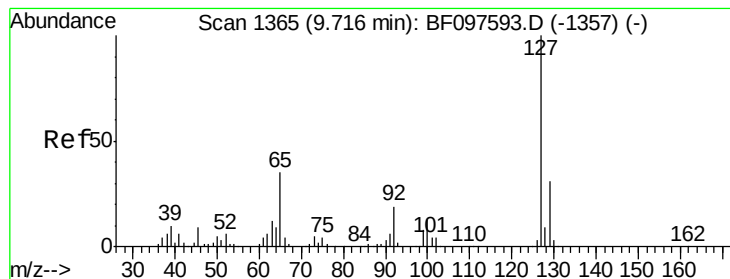
Tot Ion:128 Resp: 908886
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.6
127 13.2 10.8 16.2



#32
Benzoic acid
Concen: 14.92 ng
RT: 9.40 min Scan# 1311
Delta R.T. -0.05 min
Lab File: BF097604.D
Acq: 11 Aug 2017 20:14

Tgt Ion:122 Resp: 55225
Ion Ratio Lower Upper
122 100
105 109.0 103.3 143.3
77 84.1 73.7 113.7





#33

4-Chloroaniline

Concen: 16.34 ng

RT: 9.72 min Scan# 1366

Delta R.T. 0.01 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

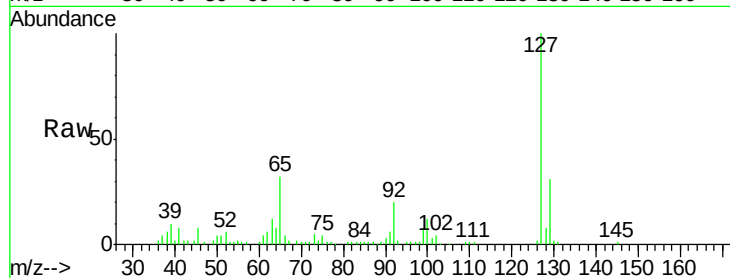
Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

Tot Ion:	127	Resp:	158887
Ion	Ratio	Lower	Upper
127	100		
129	30.7	26.2	39.2
65	31.9	27.8	41.8
92	19.9	16.8	25.2

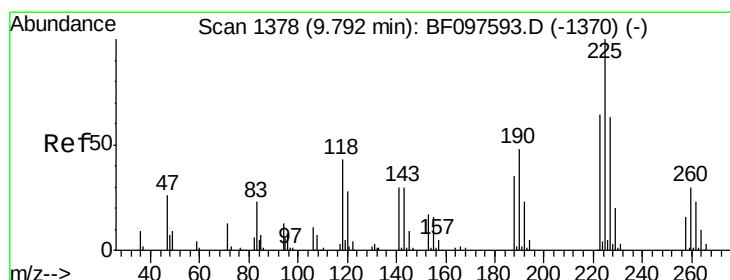
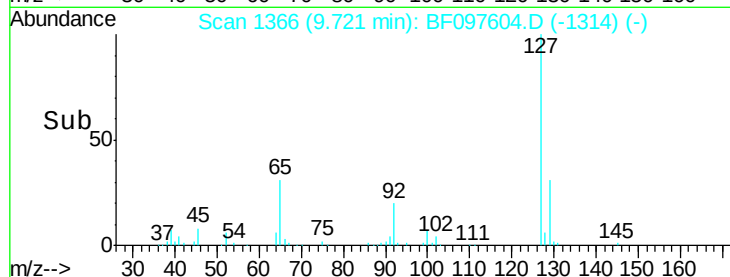
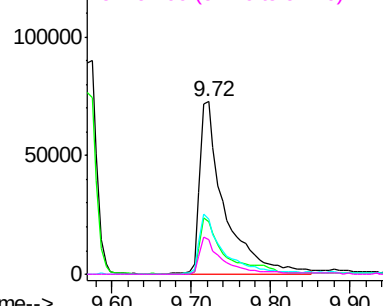


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 34.49 ng

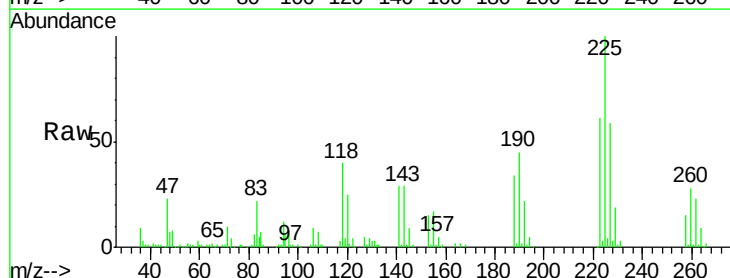
RT: 9.79 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

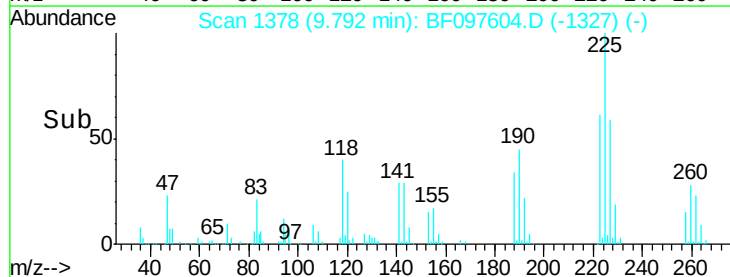
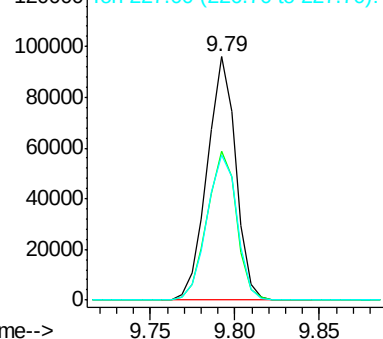
Tgt Ion:	225	Resp:	113116
Ion	Ratio	Lower	Upper
225	100		
223	61.3	48.8	73.2
227	59.5	51.1	76.7

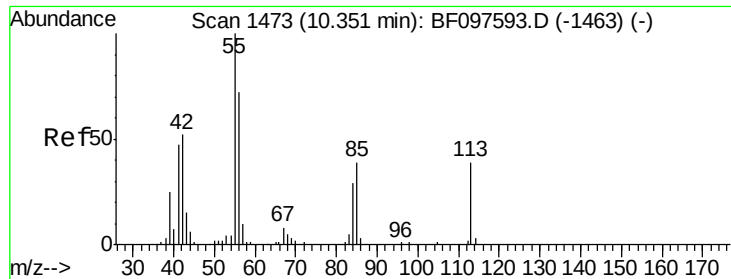


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 6.08 ng

RT: 10.40 min Scan# 1481

Delta R.T. 0.05 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

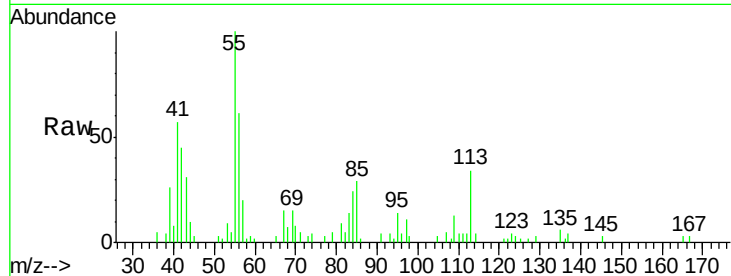
Tot Ion:113 Resp: 11866

Ion Ratio Lower Upper

113 100

55 295.6 150.2 190.2#

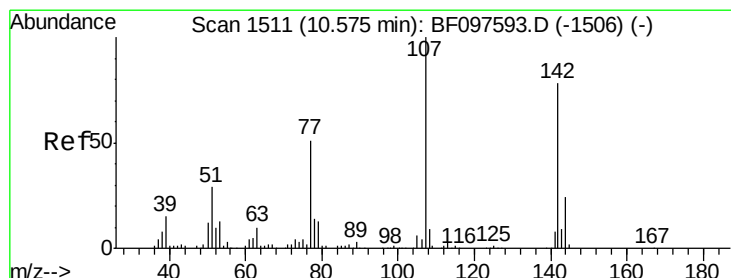
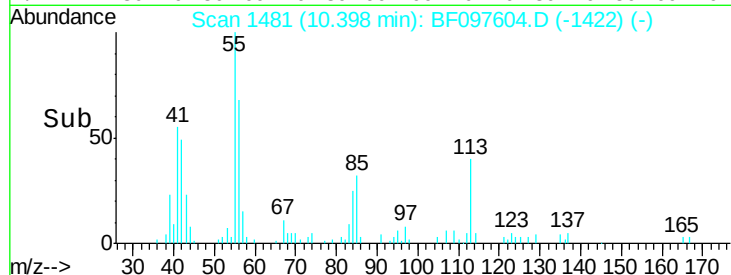
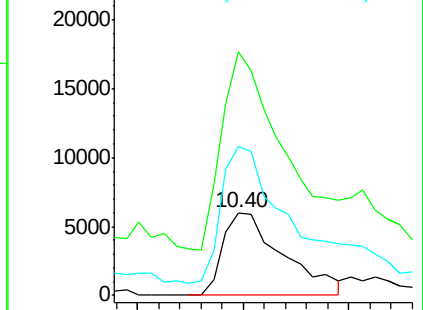
56 180.8 107.8 147.8#



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: 39.48 ng

RT: 10.57 min Scan# 1510

Delta R.T. -0.01 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

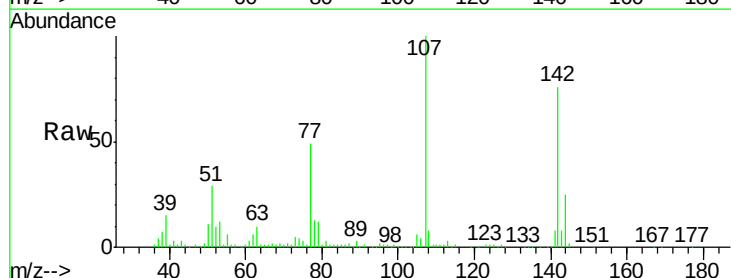
Tgt Ion:107 Resp: 268594

Ion Ratio Lower Upper

107 100

144 24.9 24.2 36.4

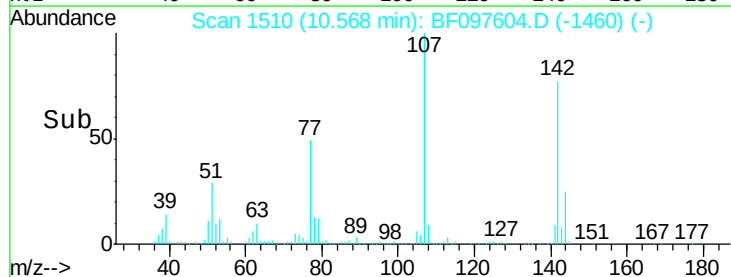
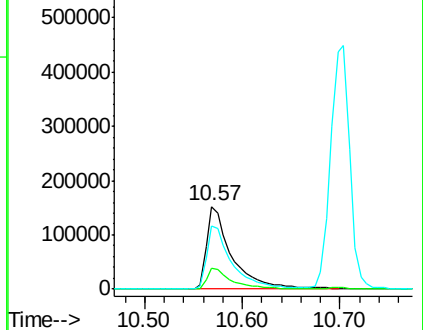
142 76.4 73.4 110.0

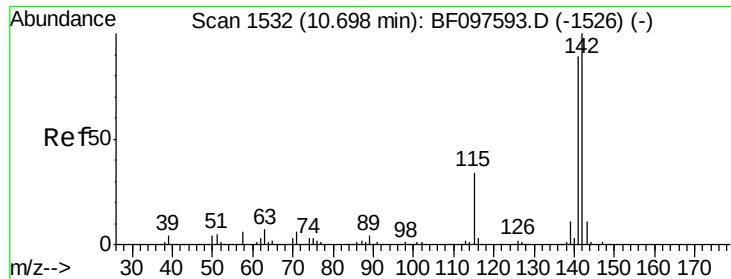


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

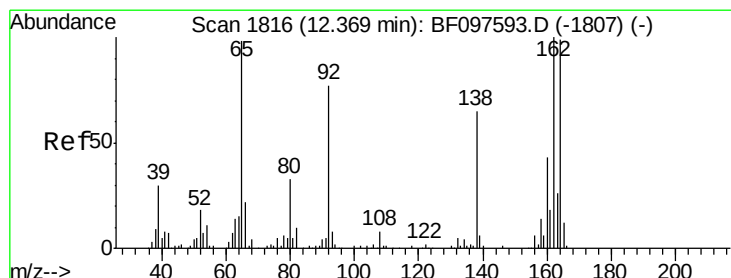
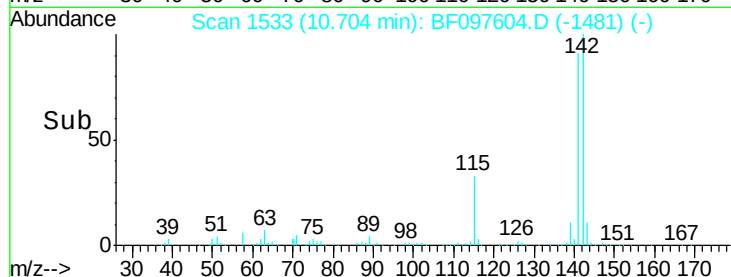
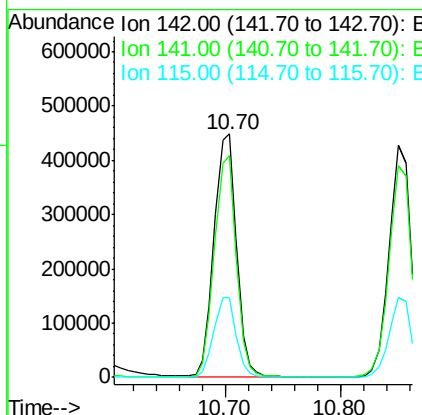
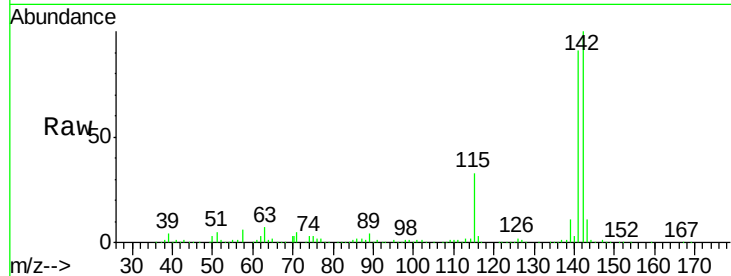




#37
2-Methylnaphthalene
Concen: 41.36 ng
RT: 10.70 min Scan# 1533
Delta R.T. 0.01 min
Lab File: BF097604.D
Acq: 11 Aug 2017 20:14

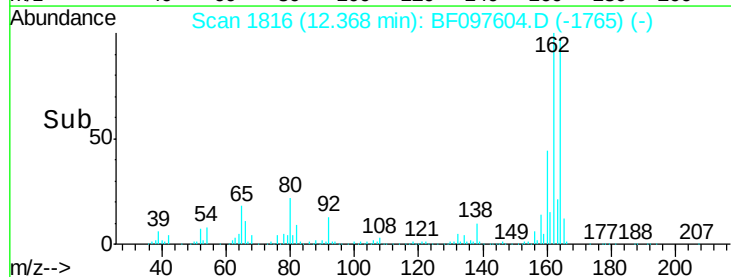
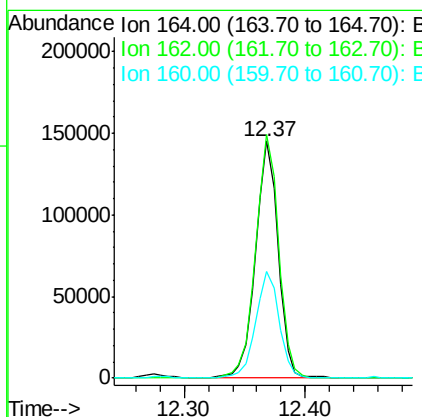
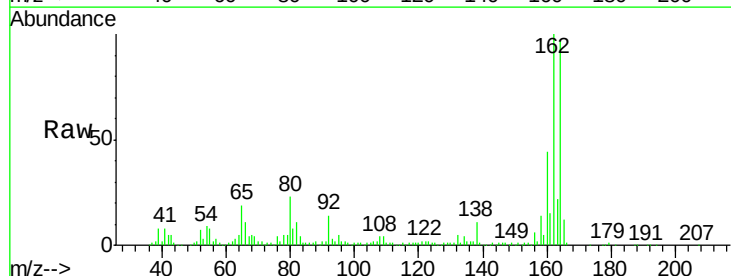
Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

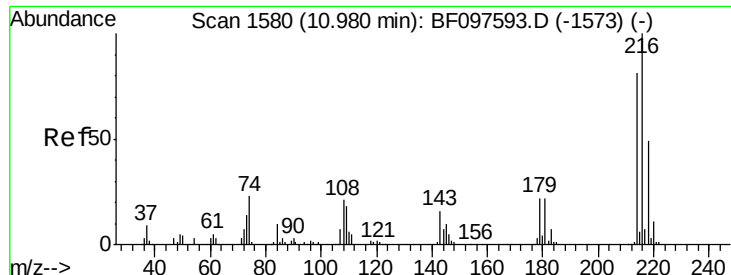
Tot Ion:142 Resp: 610698
Ion Ratio Lower Upper
142 100
141 90.9 71.3 106.9
115 32.8 27.1 40.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.37 min Scan# 1816
Delta R.T. -0.00 min
Lab File: BF097604.D
Acq: 11 Aug 2017 20:14

Tgt Ion:164 Resp: 188717
Ion Ratio Lower Upper
164 100
162 102.8 82.6 123.8
160 44.8 36.2 54.2





#39

1,2,4,5-Tetrachlorobenzene

Concen: 40.10 ng

RT: 10.98 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

Tot Ion:216 Resp: 214266

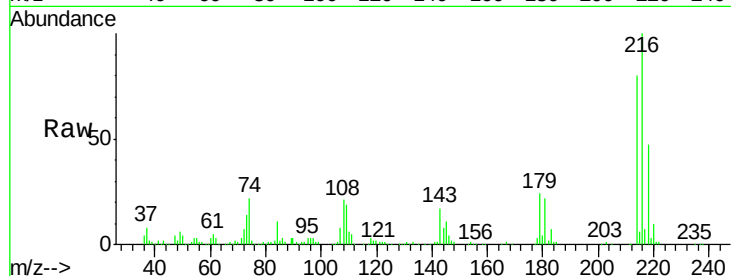
Ion Ratio Lower Upper

216 100

214 79.2 63.4 95.2

179 23.5 17.9 26.9

108 22.1 16.5 24.7

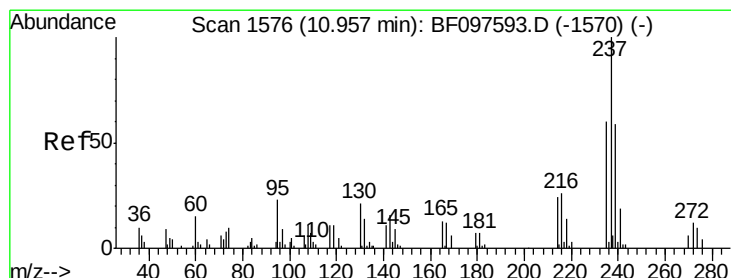
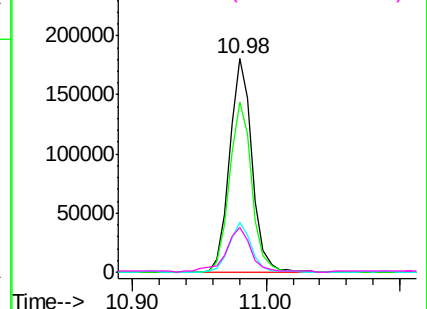
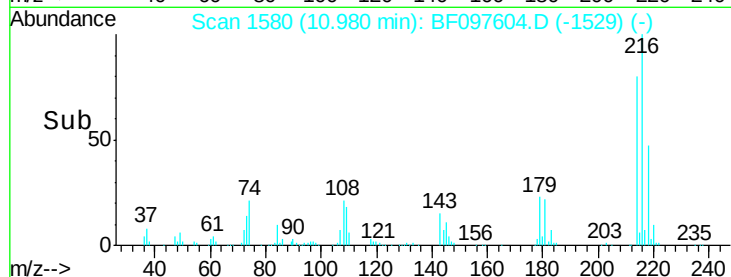


Abundance Ion 216.00 (215.70 to 216.70): E

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: 82.76 ng

RT: 10.96 min Scan# 1576

Delta R.T. 0.00 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

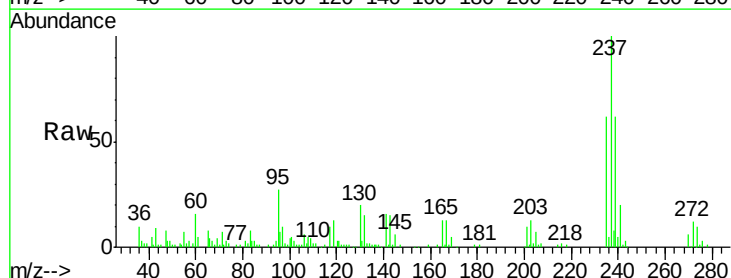
Tgt Ion:237 Resp: 89945

Ion Ratio Lower Upper

237 100

235 62.1 42.6 82.6

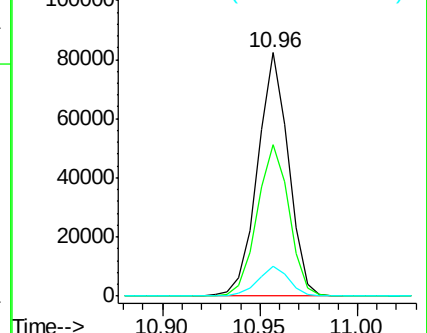
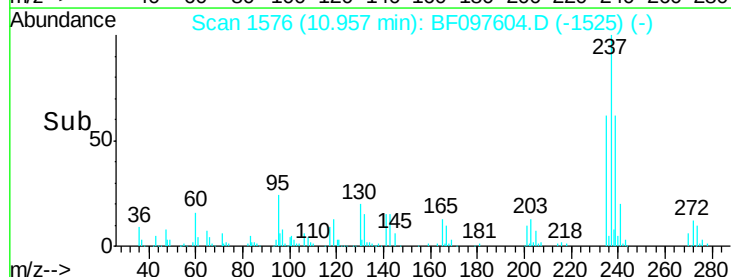
272 12.1 0.0 31.9

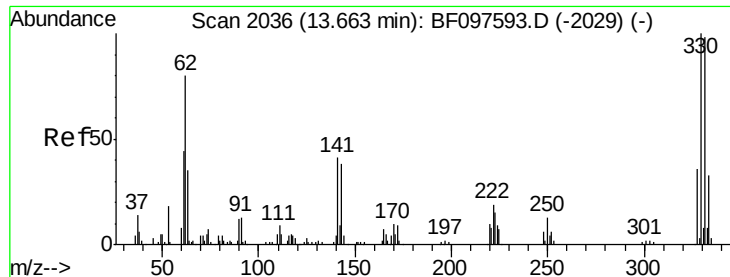


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

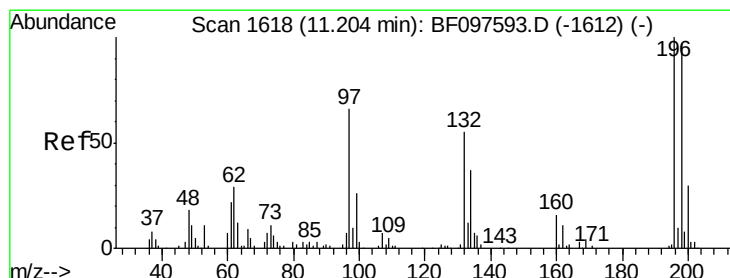
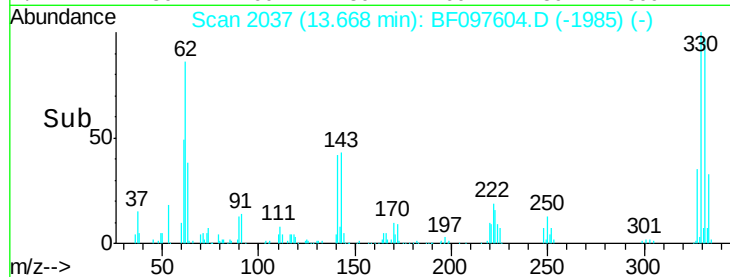
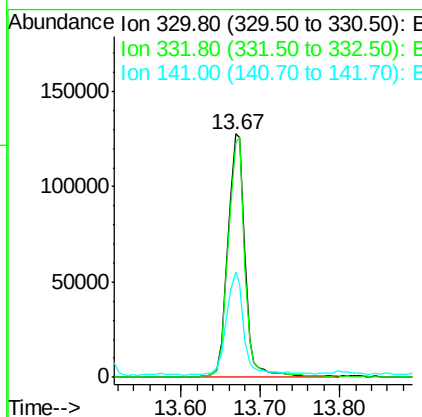
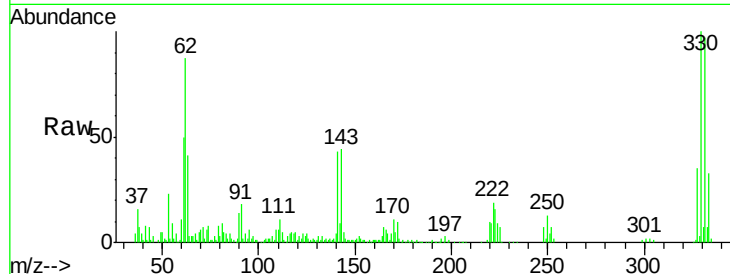




#41
 2,4,6-Tribromophenol
 Concen: 135.10 ng
 RT: 13.67 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: BF097604.D
 Acq: 11 Aug 2017 20:14

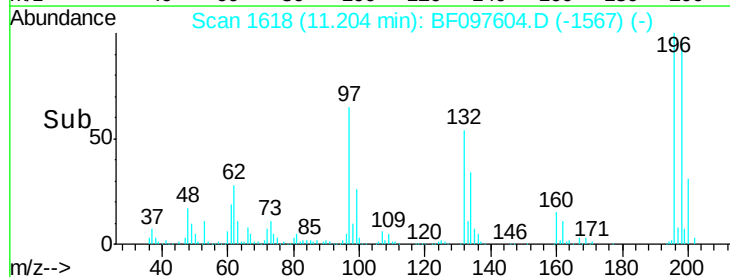
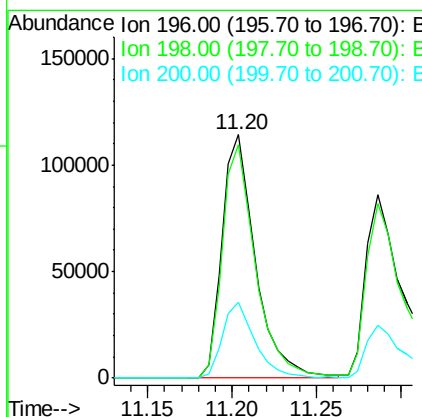
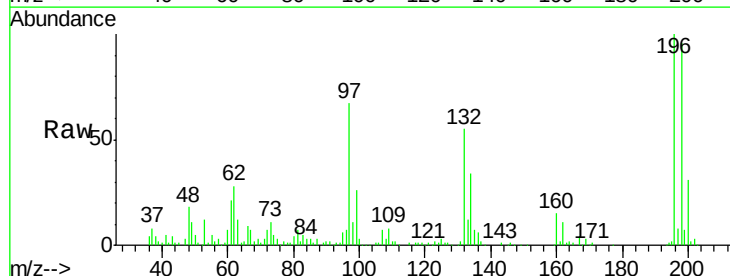
Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MS

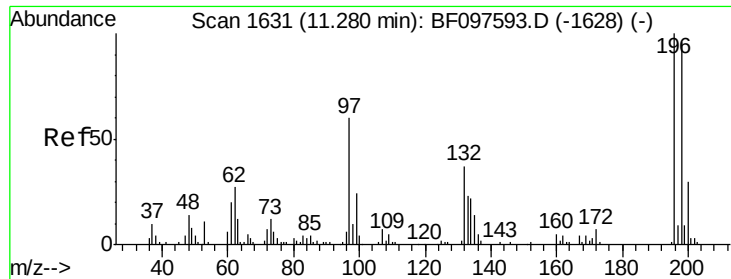
Tot Ion:330 Resp: 193821
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.6 115.0
 141 42.7 31.4 47.2



#42
 2,4,6-Trichlorophenol
 Concen: 44.83 ng
 RT: 11.20 min Scan# 1618
 Delta R.T. -0.00 min
 Lab File: BF097604.D
 Acq: 11 Aug 2017 20:14

Tgt Ion:196 Resp: 157829
 Ion Ratio Lower Upper
 196 100
 198 96.1 74.2 111.4
 200 31.4 24.0 36.0

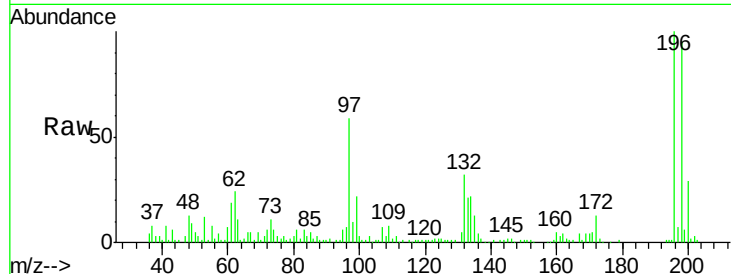




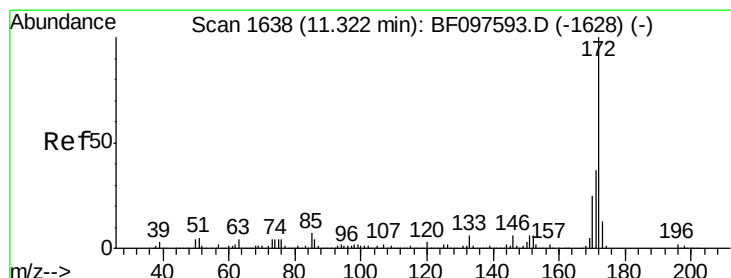
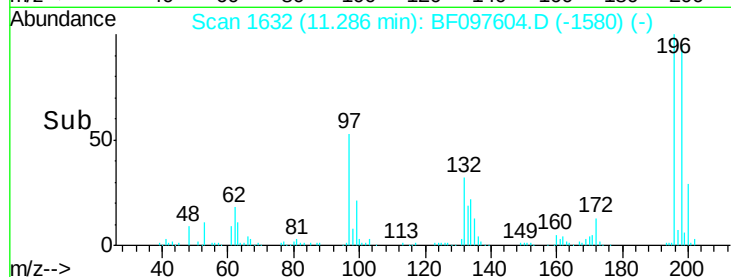
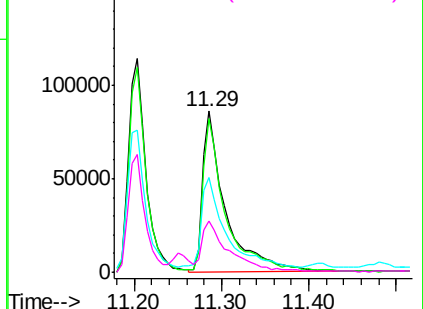
#43
 2,4,5-Trichlorophenol
 Concen: 46.59 ng
 RT: 11.29 min Scan# 1632
 Delta R.T. 0.01 min
 Lab File: BF097604.D
 Acq: 11 Aug 2017 20:14

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MS

Tot Ion:196 Resp: 154934
 Ion Ratio Lower Upper
 196 100
 198 95.2 75.7 113.5
 97 58.8 47.7 71.5
 132 32.1 28.0 42.0

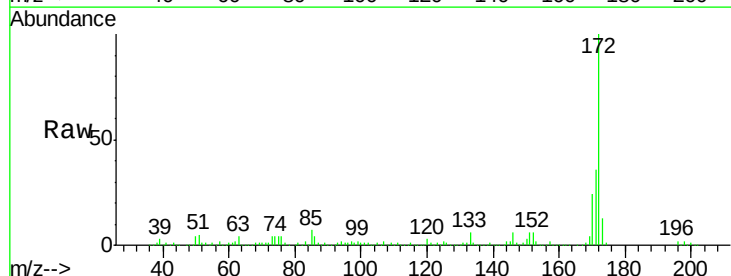


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

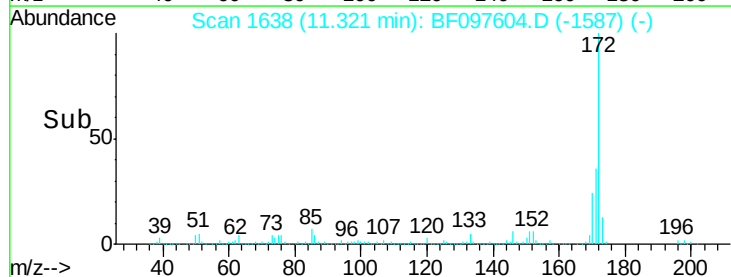
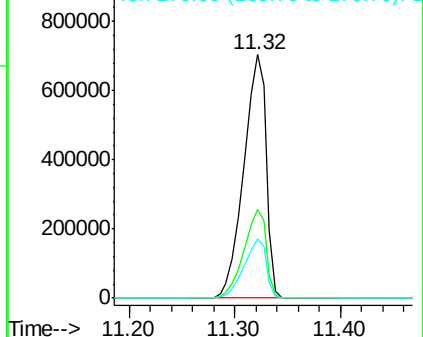


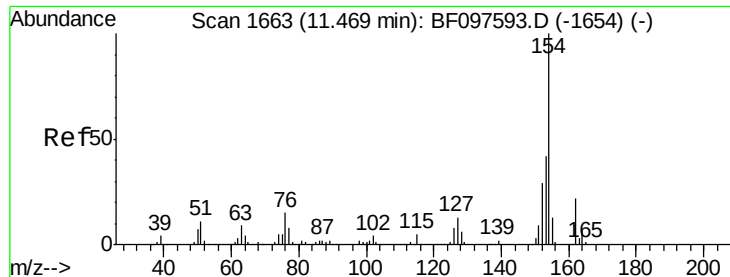
#44
 2-Fluorobiphenyl
 Concen: 82.98 ng
 RT: 11.32 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: BF097604.D
 Acq: 11 Aug 2017 20:14

Tgt Ion:172 Resp: 1037675
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 24.5 19.8 29.8



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





#45

1,1'-Biphenyl

Concen: 38.72 ng

RT: 11.47 min Scan# 1663

Delta R.T. -0.00 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

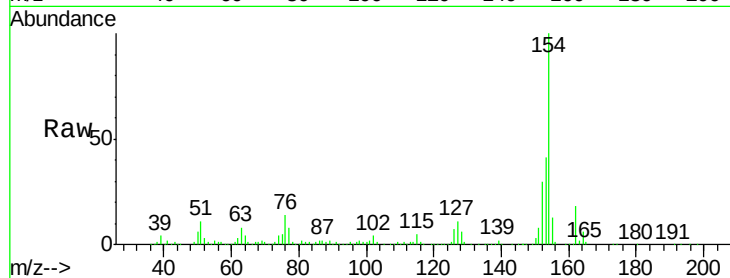
Tot Ion:154 Resp: 626929

Ion Ratio Lower Upper

154 100

153 40.9 21.2 61.2

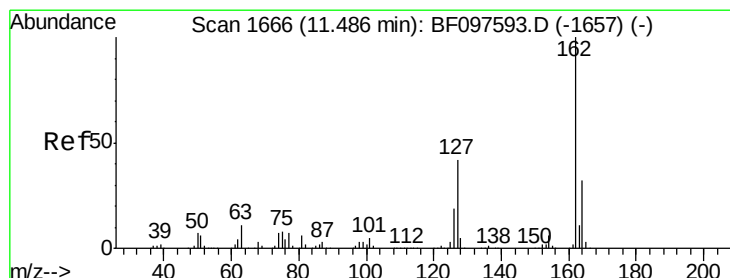
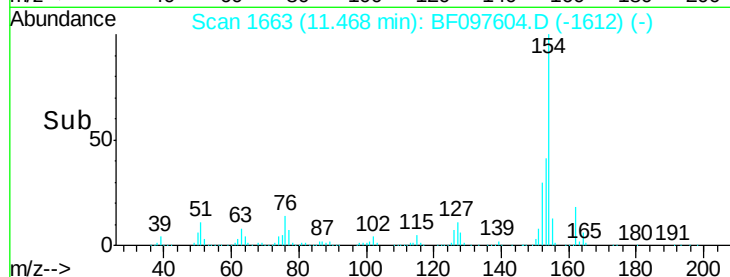
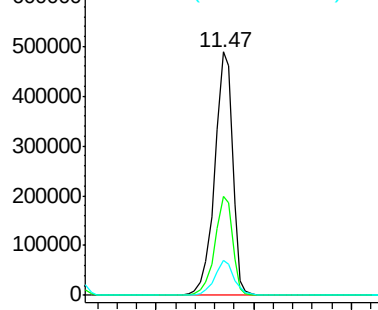
76 14.2 0.0 29.9



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: 38.81 ng

RT: 11.49 min Scan# 1666

Delta R.T. -0.00 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

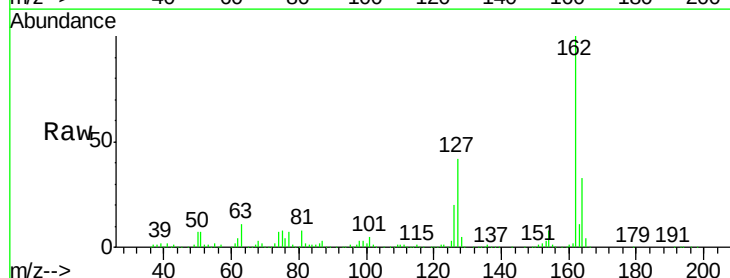
Tgt Ion:162 Resp: 482446

Ion Ratio Lower Upper

162 100

127 42.2 28.3 42.5

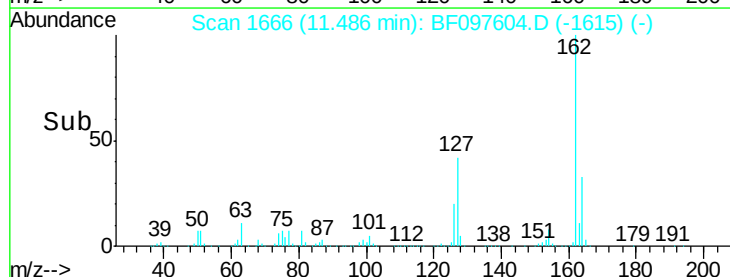
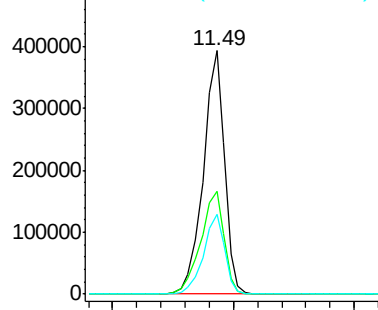
164 32.9 27.0 40.4

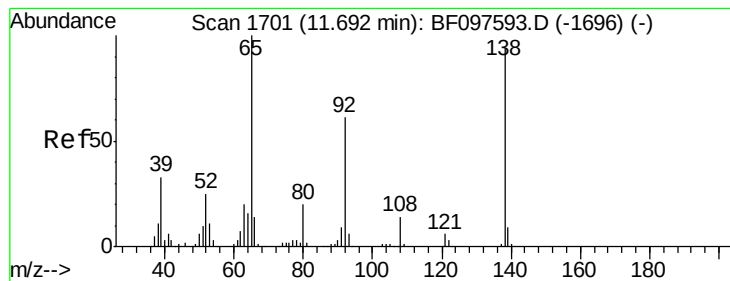


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 42.88 ng

RT: 11.70 min Scan# 1702

Delta R.T. 0.01 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

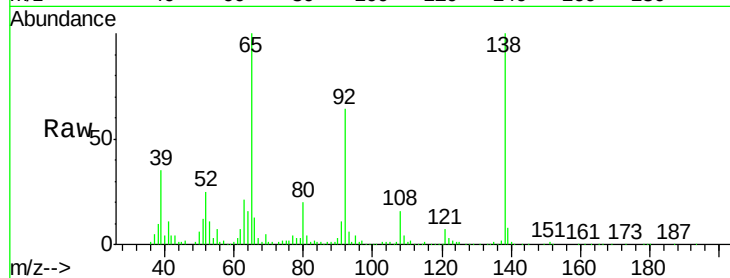
Tot Ion: 65 Resp: 208799

Ion Ratio Lower Upper

65 100

92 63.6 53.9 80.9

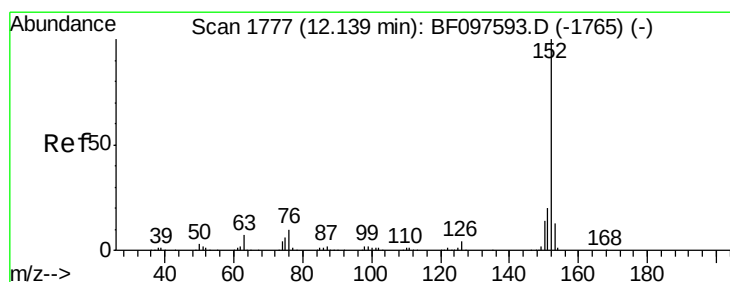
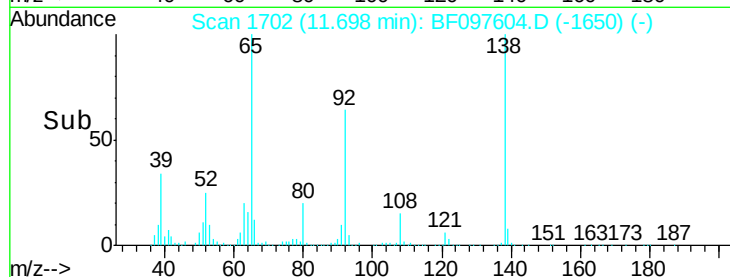
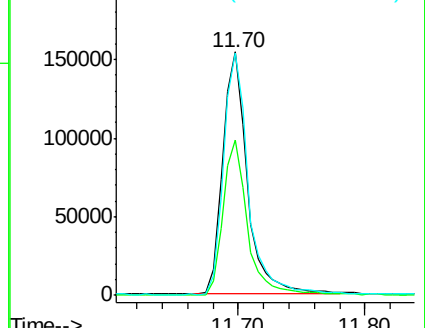
138 99.5 78.8 118.2



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: 41.12 ng

RT: 12.14 min Scan# 1777

Delta R.T. -0.00 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

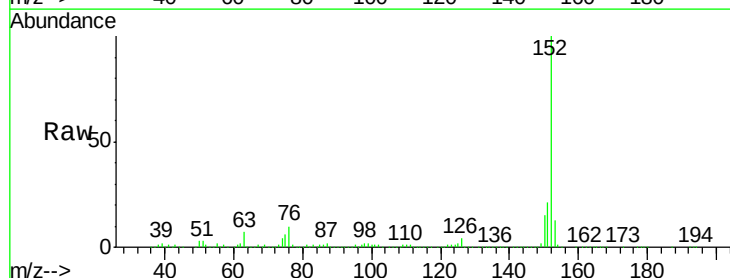
Tgt Ion: 152 Resp: 812705

Ion Ratio Lower Upper

152 100

151 20.9 16.8 25.2

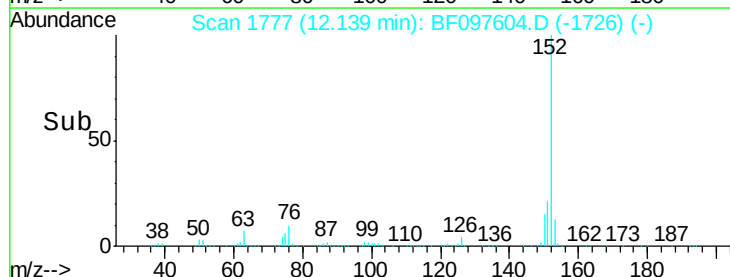
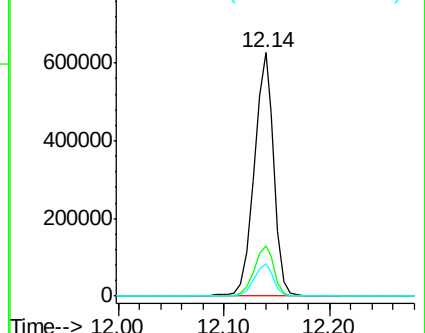
153 13.2 10.8 16.2

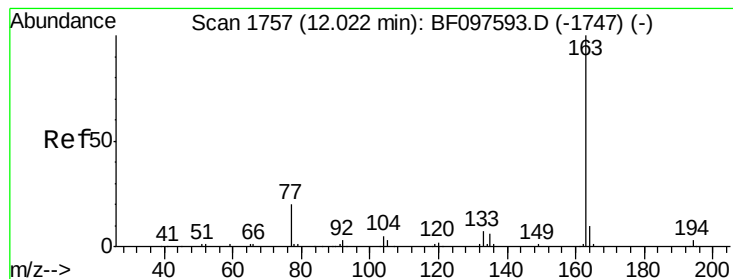


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 48.57 ng

RT: 12.03 min Scan# 1758

Delta R.T. 0.01 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

Instrument :

BNA_F

ClientSampled :

VE-4-11MS

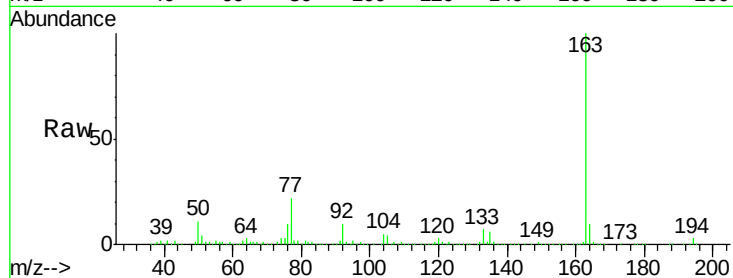
Tot Ion:163 Resp: 706393

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

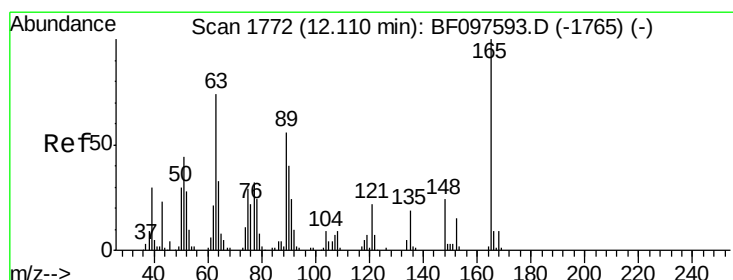
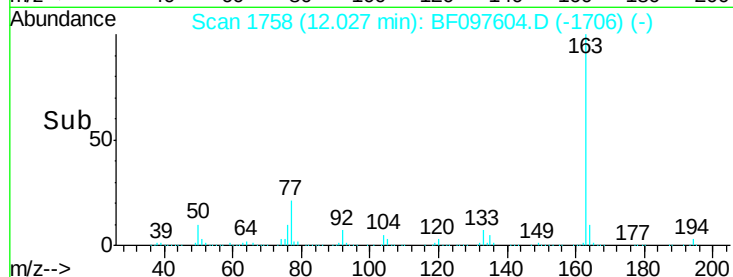
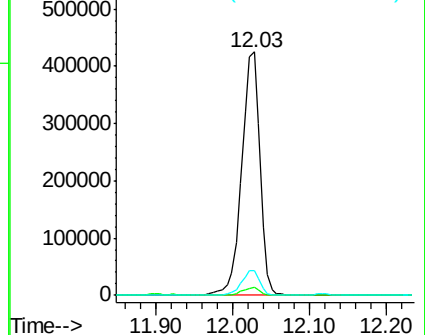
164 10.3 8.4 12.6



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: 45.11 ng

RT: 12.12 min Scan# 1773

Delta R.T. 0.01 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

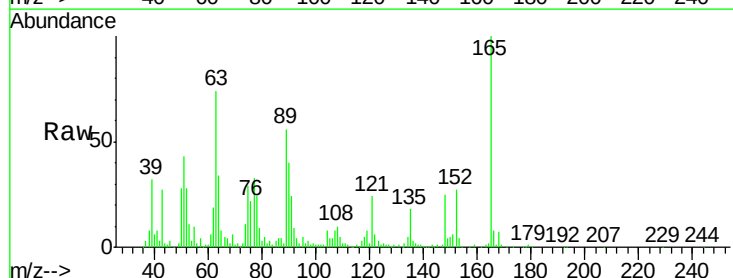
Tgt Ion:165 Resp: 135497

Ion Ratio Lower Upper

165 100

63 73.8 34.3 51.5#

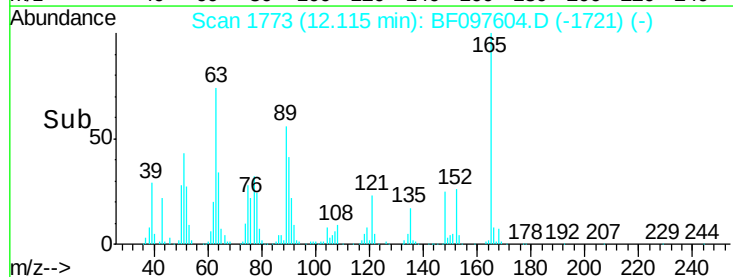
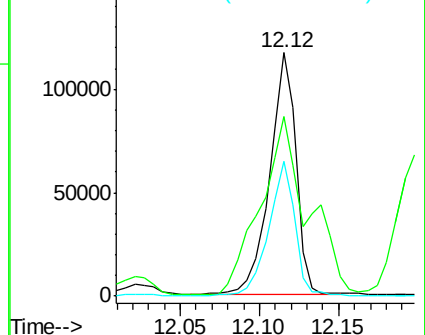
89 55.6 37.1 55.7

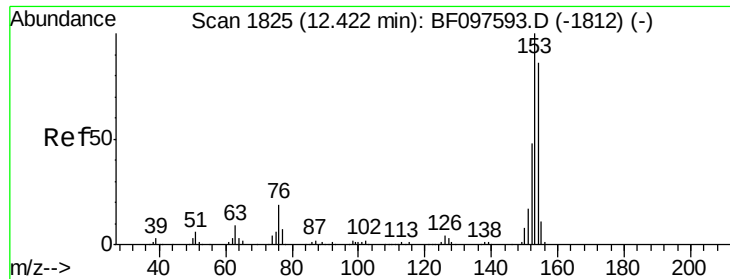


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 38.58 ng

RT: 12.42 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

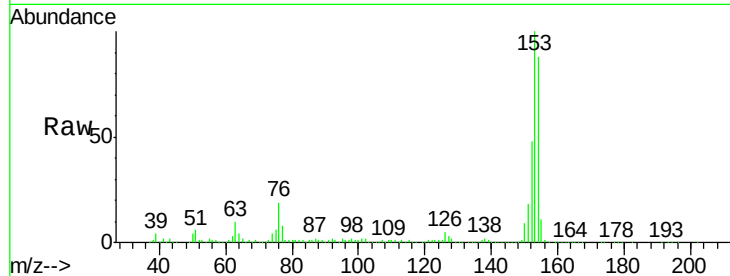
Tot Ion:154 Resp: 456981

Ion Ratio Lower Upper

154 100

153 113.5 90.5 135.7

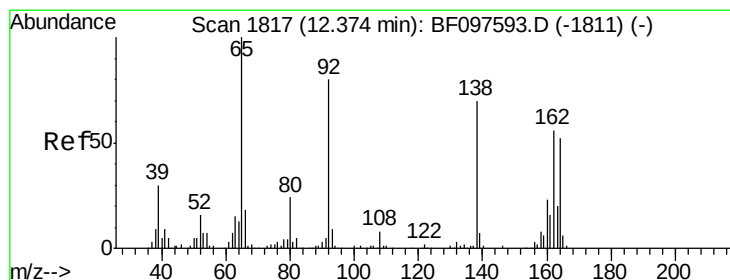
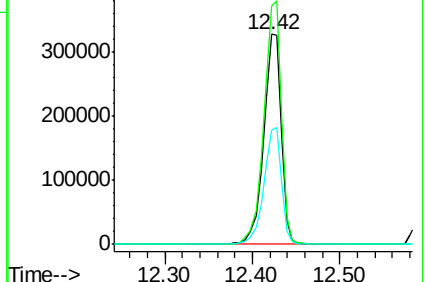
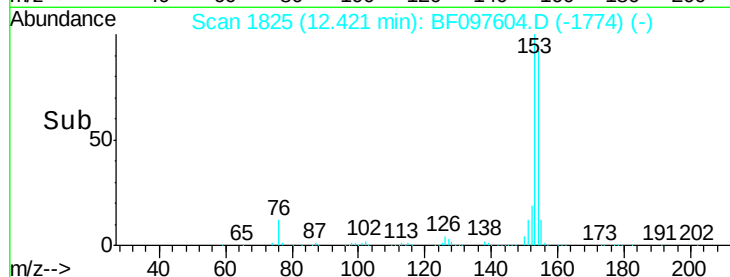
152 54.6 43.6 65.4



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: 21.24 ng

RT: 12.38 min Scan# 1818

Delta R.T. 0.01 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

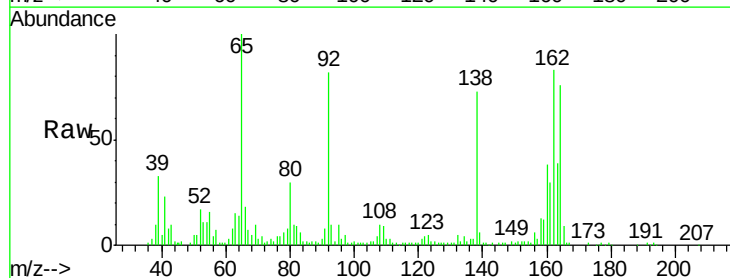
Tgt Ion:138 Resp: 83544

Ion Ratio Lower Upper

138 100

108 14.4 9.1 13.7#

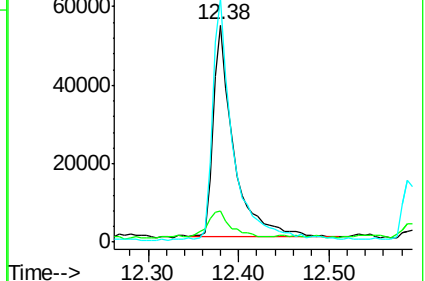
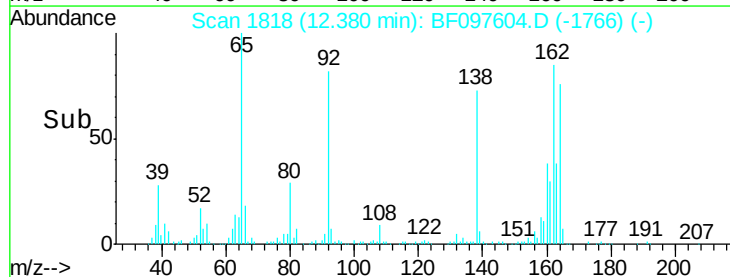
92 112.0 93.8 140.6

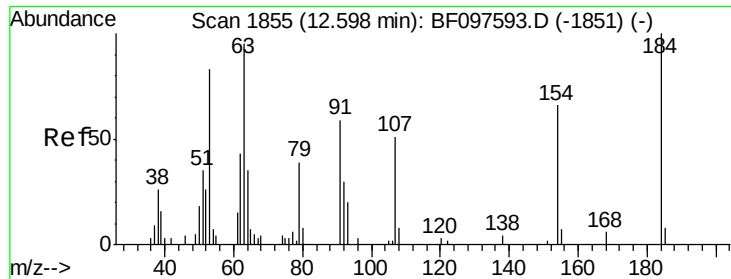


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

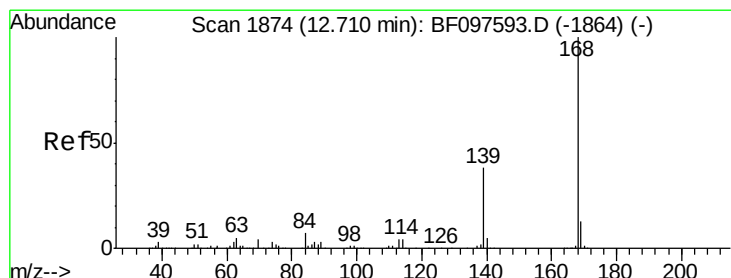
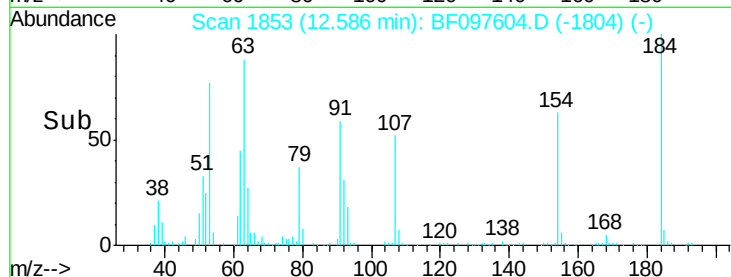
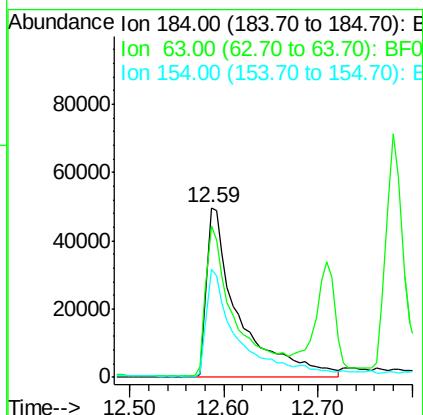
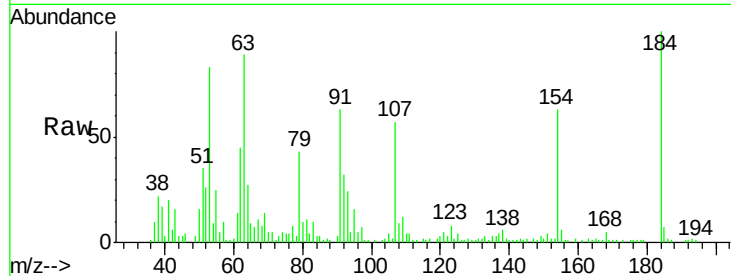




#53
2,4-Dinitrophenol
Concen: 96.17 ng
RT: 12.59 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BF097604.D
Acq: 11 Aug 2017 20:14

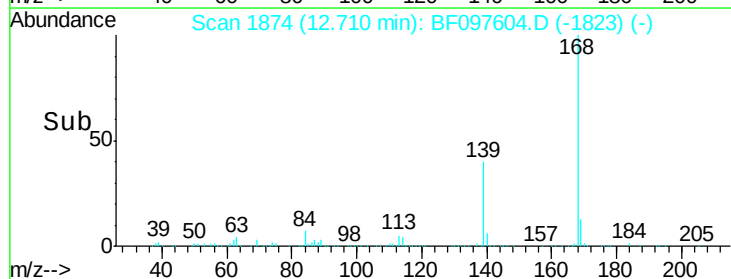
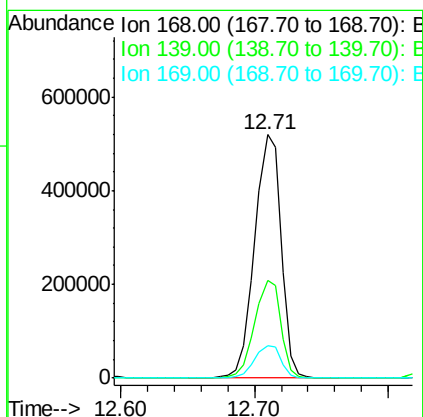
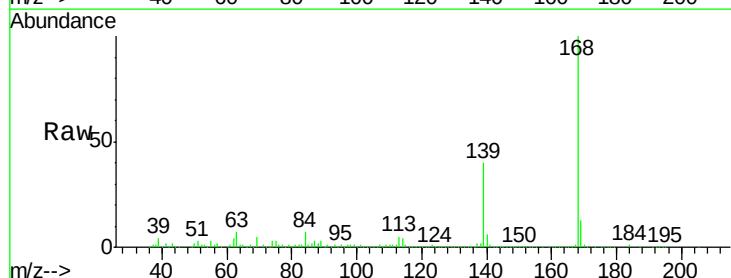
Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

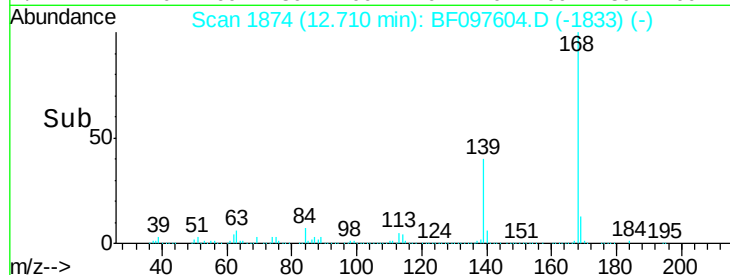
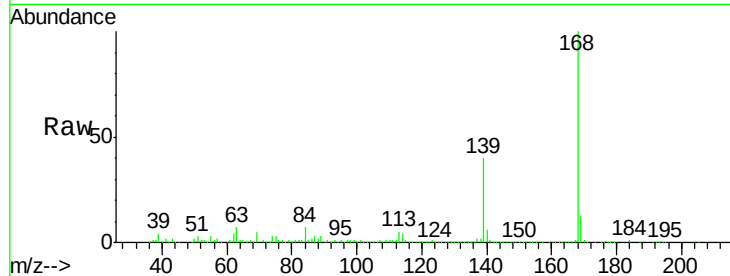
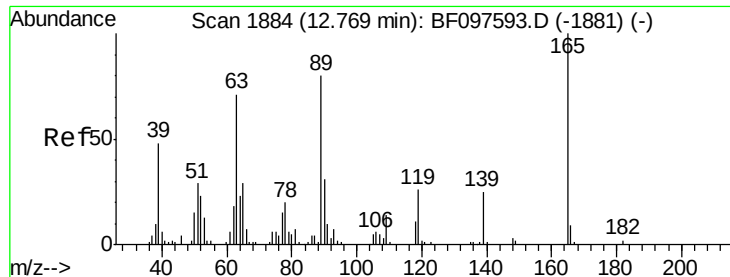
Tot Ion:184 Resp: 119068
Ion Ratio Lower Upper
184 100
63 89.1 62.7 94.1
154 63.2 81.1 121.7#



#54
Dibenzofuran
Concen: 42.48 ng
RT: 12.71 min Scan# 1874
Delta R.T. -0.00 min
Lab File: BF097604.D
Acq: 11 Aug 2017 20:14

Tgt Ion:168 Resp: 704348
Ion Ratio Lower Upper
168 100
139 40.2 30.6 45.8
169 13.5 10.8 16.2

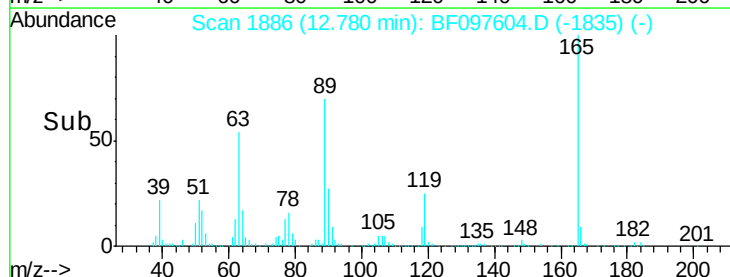
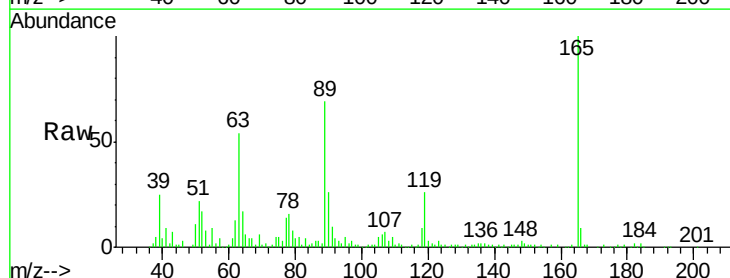
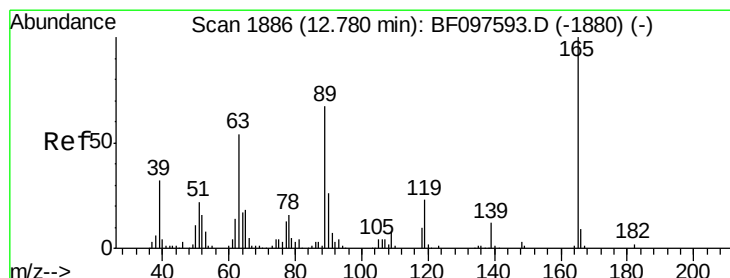
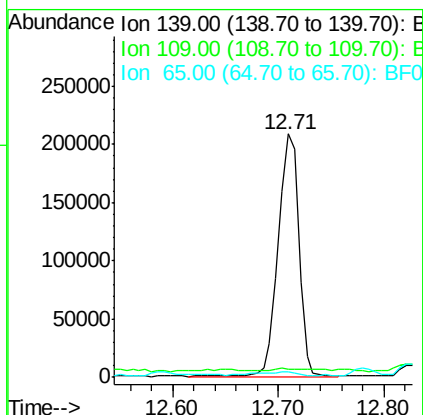




#55
4-Nitrophenol
Concen: 187.59 ng
RT: 12.71 min Scan# 1874
Delta R.T. -0.06 min
Lab File: BF097604.D
Acq: 11 Aug 2017 20:14

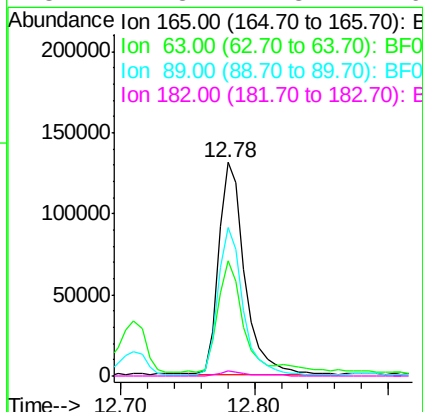
Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

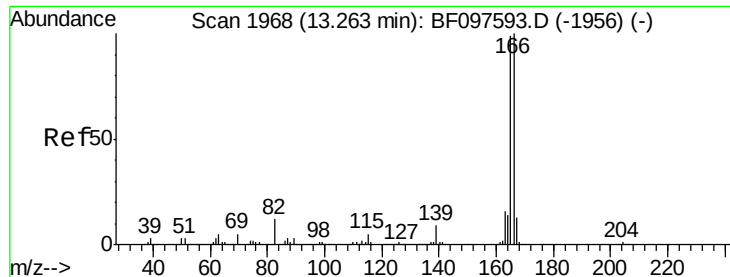
Tot Ion:139 Resp: 280940
Ion Ratio Lower Upper
139 100
109 3.1 34.1 74.1#
65 2.4 31.4 71.4#



#56
2,4-Dinitrotoluene
Concen: 44.65 ng
RT: 12.78 min Scan# 1886
Delta R.T. -0.00 min
Lab File: BF097604.D
Acq: 11 Aug 2017 20:14

Tgt Ion:165 Resp: 178978
Ion Ratio Lower Upper
165 100
63 54.2 25.4 38.0#
89 69.2 46.4 69.6
182 2.3 1.8 2.6





#57

Fluorene

Concen: 43.34 ng

RT: 13.26 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

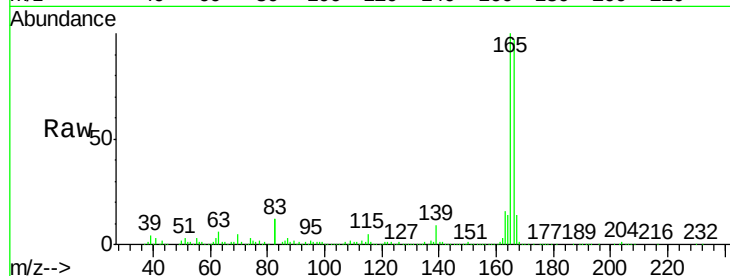
Tot Ion:166 Resp: 590939

Ion Ratio Lower Upper

166 100

165 102.7 78.8 118.2

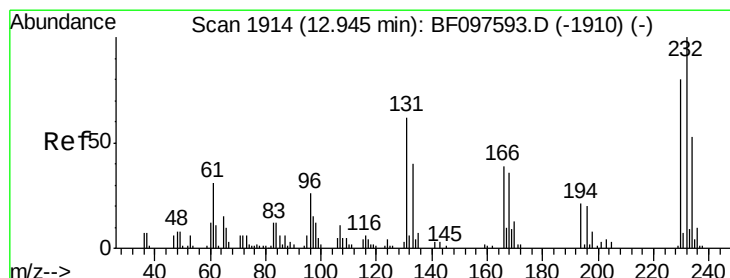
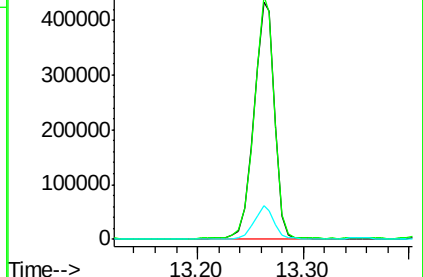
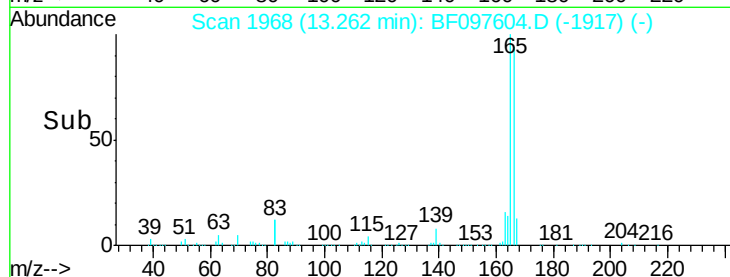
167 14.2 10.6 16.0



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



#58

2,3,4,6-Tetrachlorophenol

Concen: 49.44 ng

RT: 12.96 min Scan# 1916

Delta R.T. 0.01 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

Tgt Ion:232 Resp: 112915

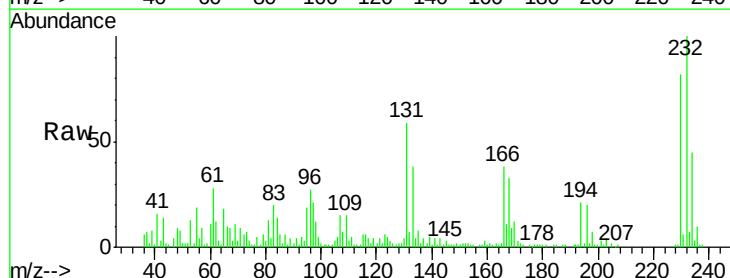
Ion Ratio Lower Upper

232 100

131 55.4 44.8 67.2

130 3.3 2.3 3.5

166 36.7 29.0 43.4

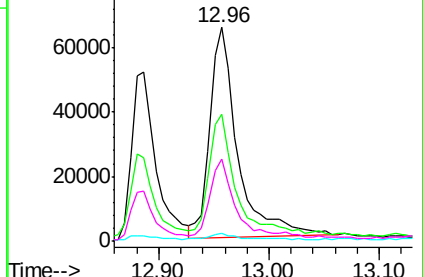
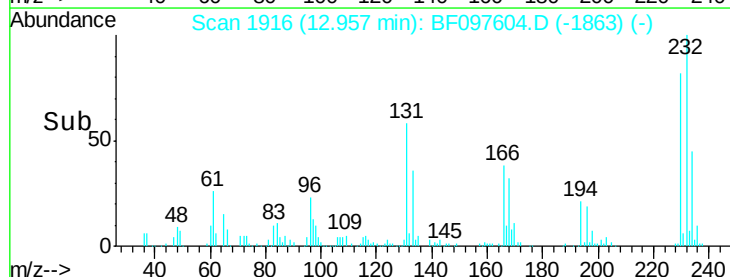


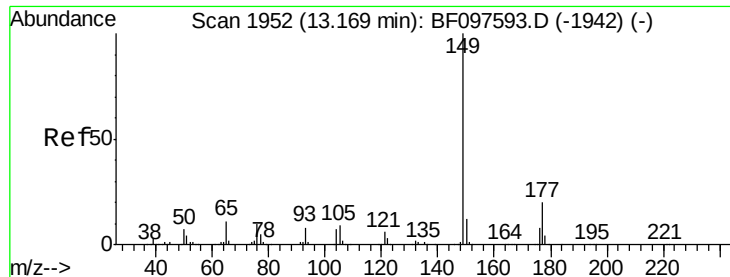
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 46.58 ng

RT: 13.17 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

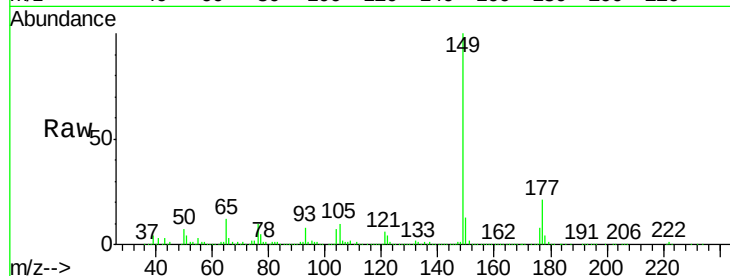
Tot Ion:149 Resp: 639920

Ion Ratio Lower Upper

149 100

177 20.6 16.7 25.1

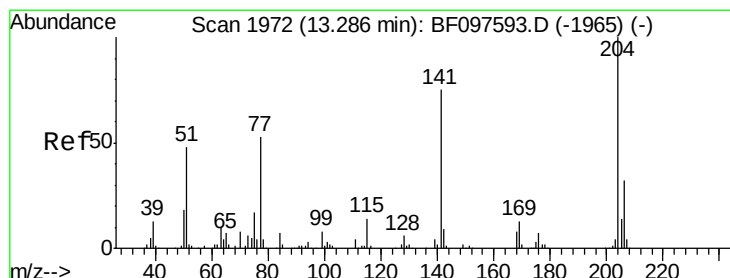
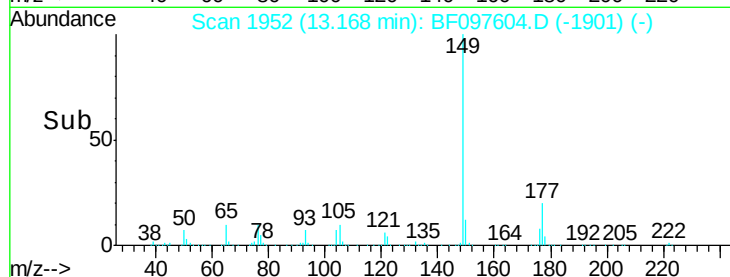
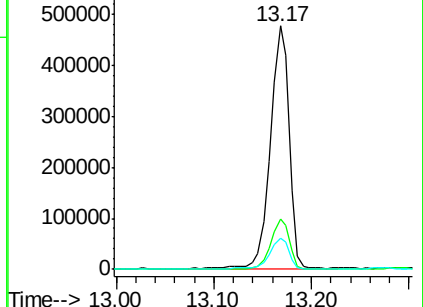
150 12.6 10.2 15.2



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: 43.89 ng

RT: 13.29 min Scan# 1973

Delta R.T. 0.01 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

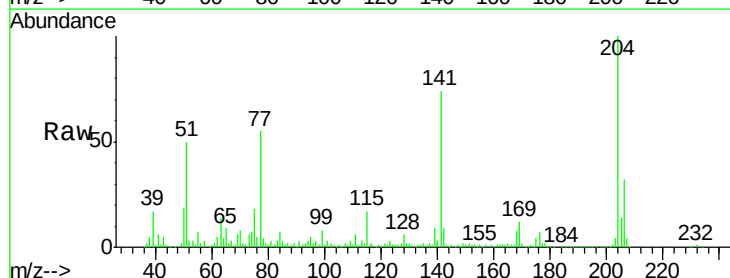
Tgt Ion:204 Resp: 255475

Ion Ratio Lower Upper

204 100

206 32.4 26.2 39.2

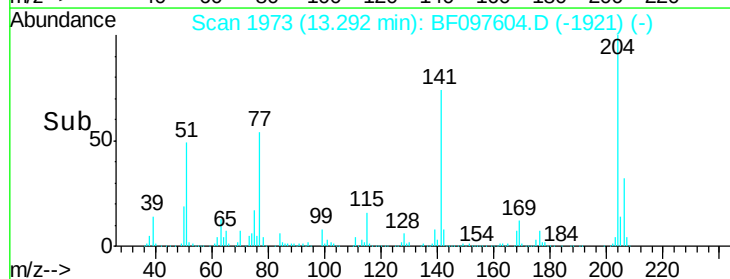
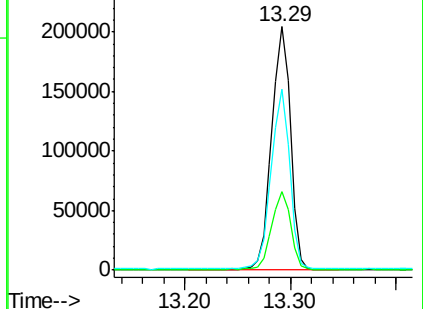
141 74.1 60.8 91.2

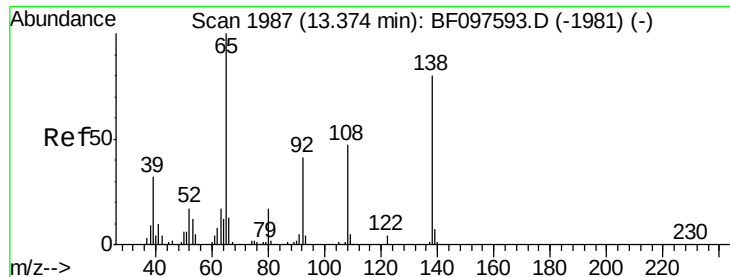


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

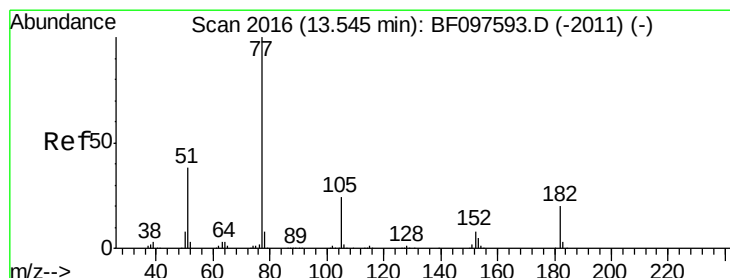
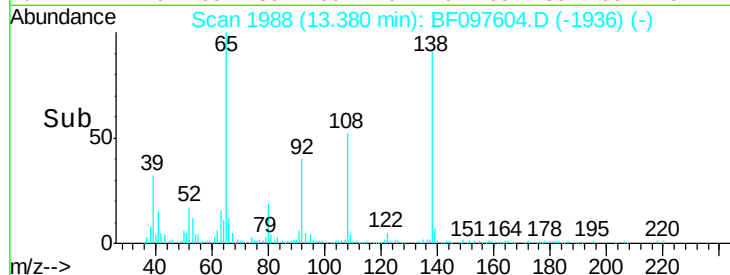
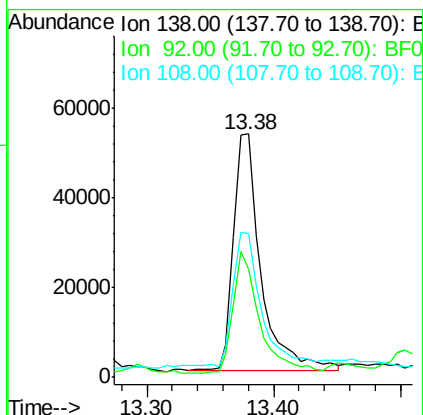
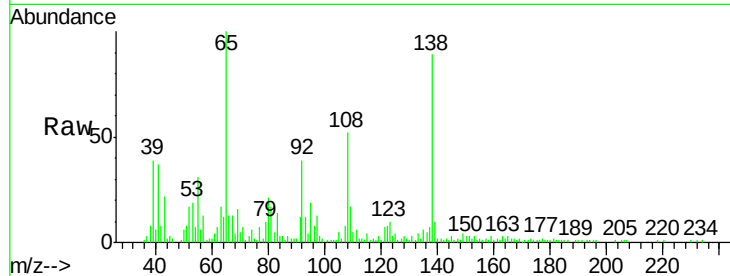




#61
4-Nitroaniline
Concen: 21.17 ng
RT: 13.38 min Scan# 1988
Delta R.T. 0.01 min
Lab File: BF097604.D
Acq: 11 Aug 2017 20:14

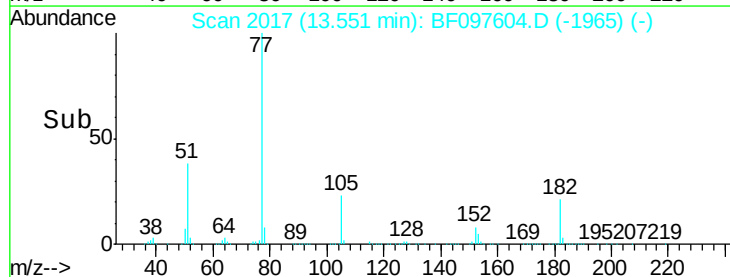
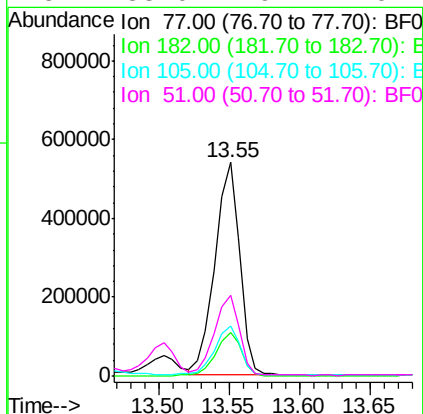
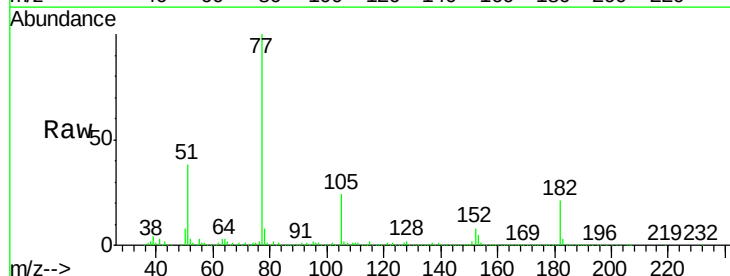
Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

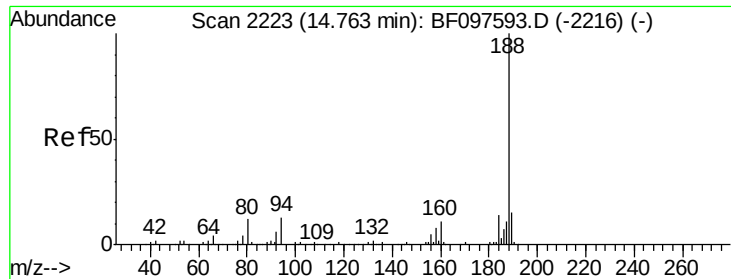
Tot Ion:138 Resp: 79412
Ion Ratio Lower Upper
138 100
92 44.2 21.8 61.8
108 58.8 42.3 82.3



#62
Azobenzene
Concen: 48.12 ng
RT: 13.55 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF097604.D
Acq: 11 Aug 2017 20:14

Tgt Ion: 77 Resp: 657647
Ion Ratio Lower Upper
77 100
182 20.7 0.1 40.1
105 23.7 3.6 43.6
51 38.0 9.4 49.4

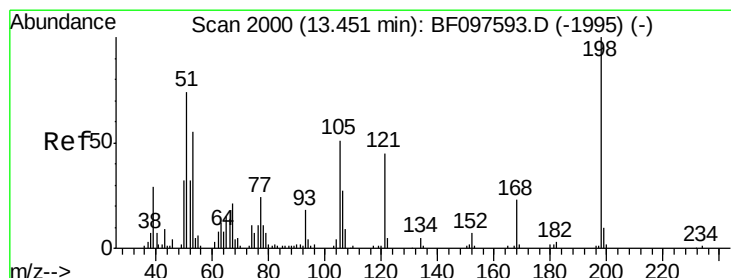
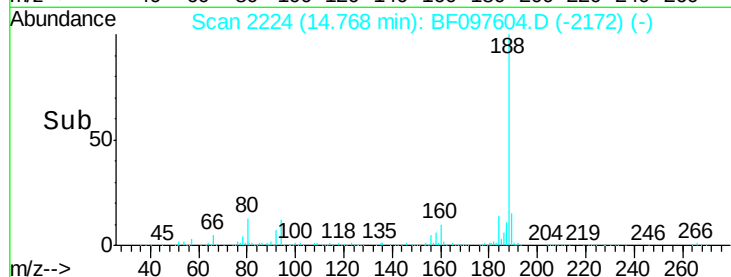
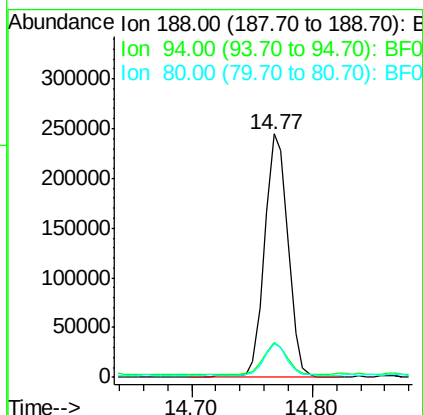
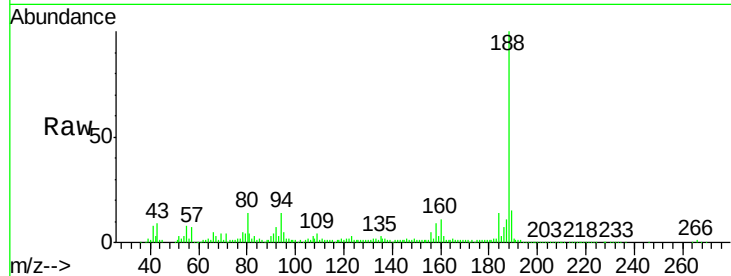




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.77 min Scan# 2224
Delta R.T. 0.01 min
Lab File: BF097604.D
Acq: 11 Aug 2017 20:14

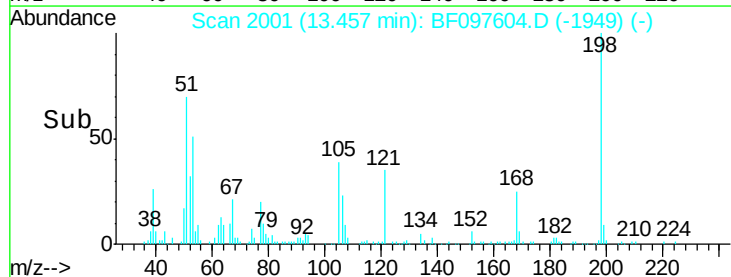
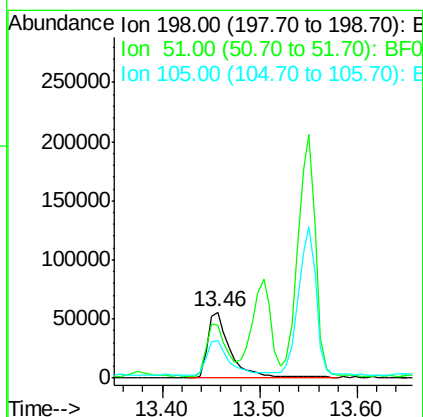
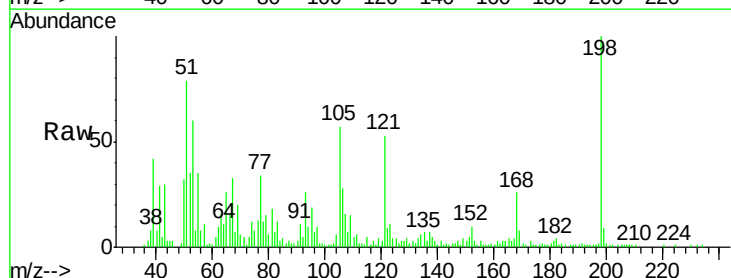
Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

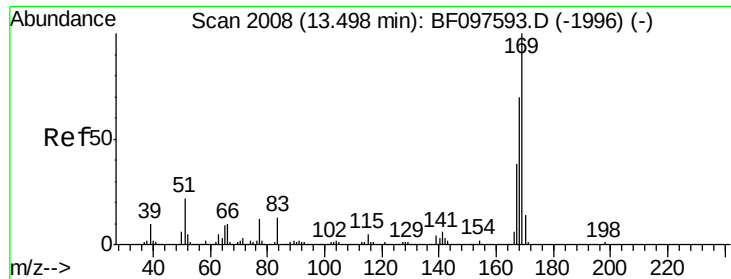
Tot Ion:188 Resp: 323934
Ion Ratio Lower Upper
188 100
94 14.3 9.4 14.2#
80 13.7 10.2 15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 46.22 ng
RT: 13.46 min Scan# 2001
Delta R.T. 0.01 min
Lab File: BF097604.D
Acq: 11 Aug 2017 20:14

Tgt Ion:198 Resp: 91333
Ion Ratio Lower Upper
198 100
51 79.3 53.2 93.2
105 56.9 45.8 85.8





#65

n-Nitrosodiphenylamine

Concen: 42.49 ng

RT: 13.50 min Scan# 2009

Delta R.T. 0.01 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

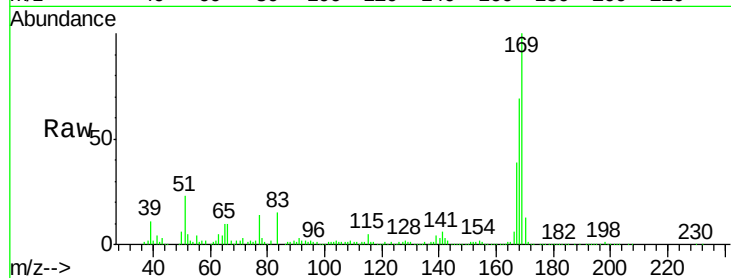
Tot Ion:169 Resp: 508680

Ion Ratio Lower Upper

169 100

168 68.7 53.2 79.8

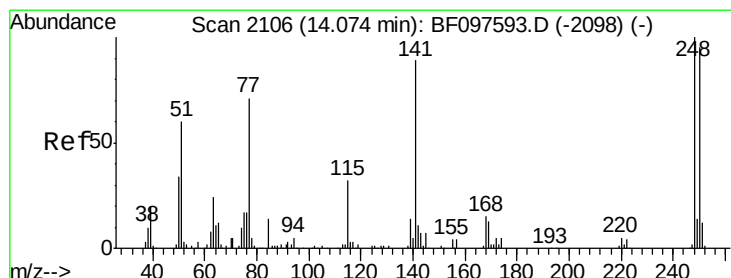
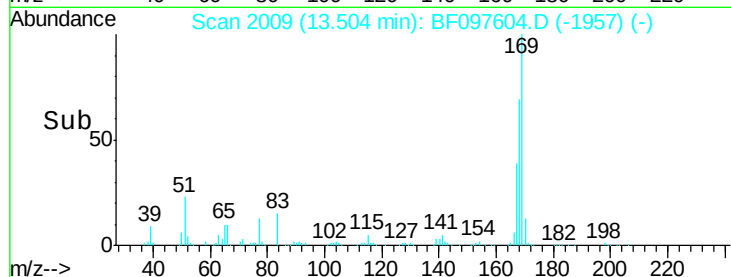
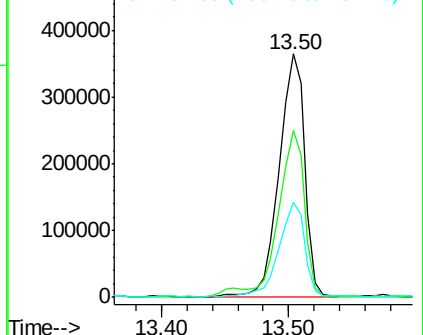
167 39.3 29.5 44.3



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: 42.83 ng

RT: 14.07 min Scan# 2106

Delta R.T. -0.00 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

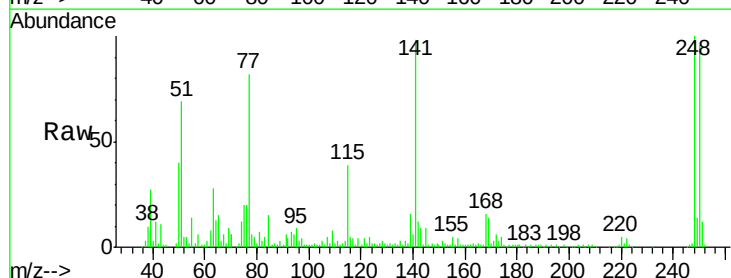
Tgt Ion:248 Resp: 143927

Ion Ratio Lower Upper

248 100

250 96.2 76.8 115.2

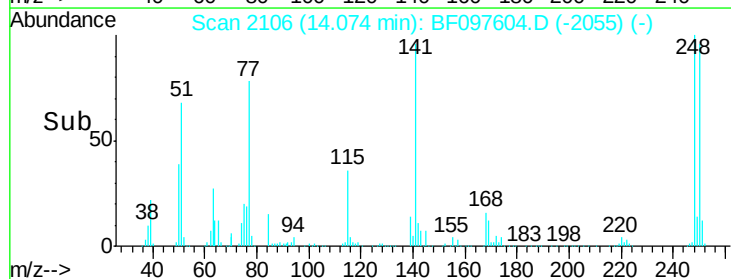
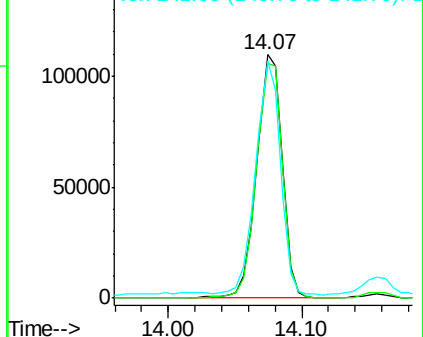
141 97.6 68.6 103.0

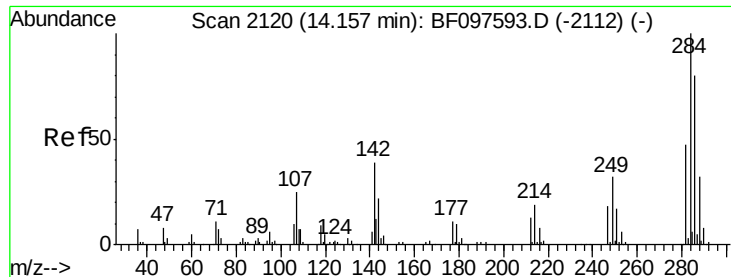


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

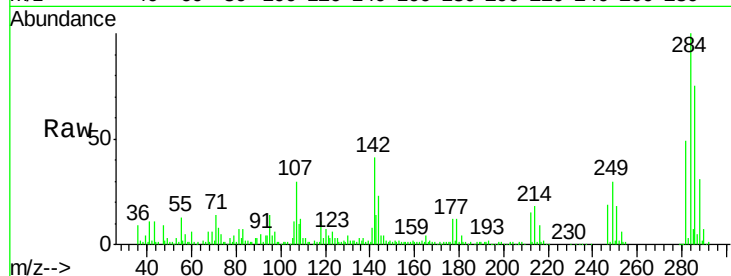




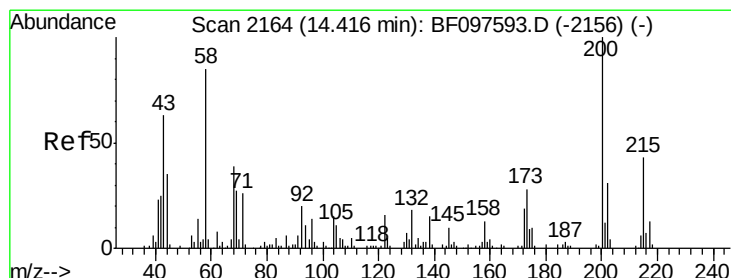
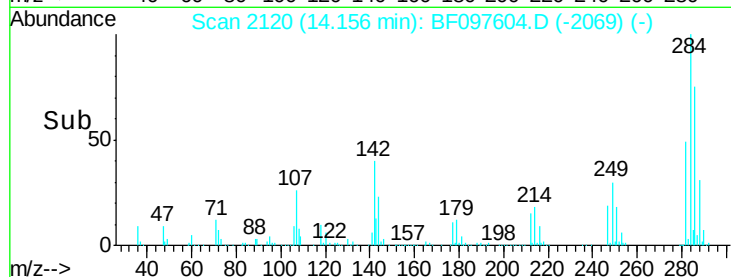
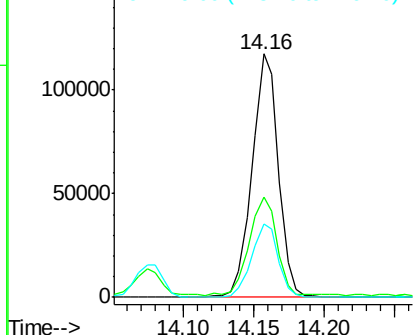
#67
Hexachlorobenzene
Concen: 42.16 ng
RT: 14.16 min Scan# 2120
Delta R.T. -0.00 min
Lab File: BF097604.D
Acq: 11 Aug 2017 20:14

Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

Tot Ion:284 Resp: 154334
Ion Ratio Lower Upper
284 100
142 41.3 22.8 34.2#
249 30.0 24.0 36.0

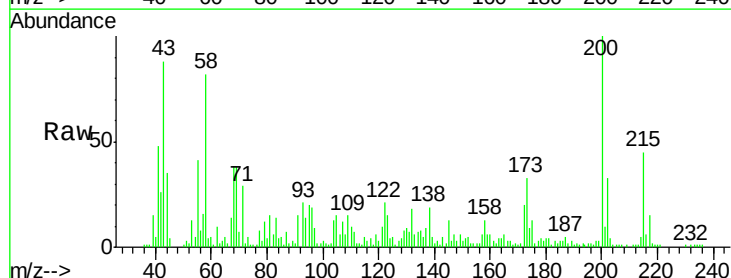


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

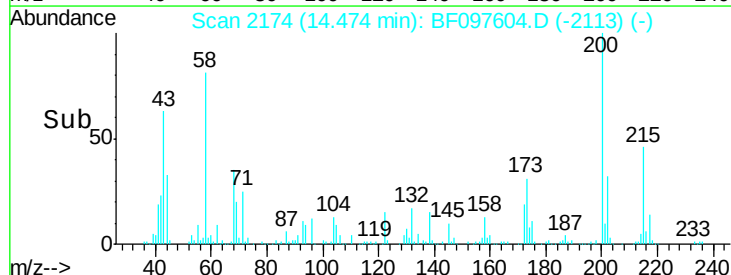
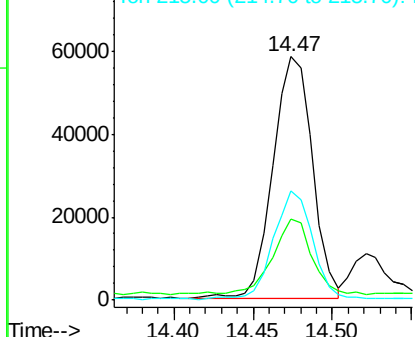


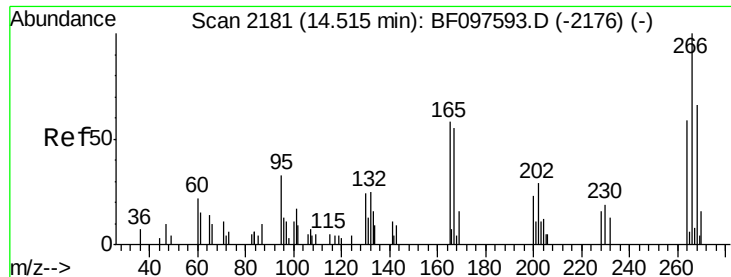
#68
Atrazine
Concen: 33.49 ng
RT: 14.47 min Scan# 2174
Delta R.T. 0.06 min
Lab File: BF097604.D
Acq: 11 Aug 2017 20:14

Tgt Ion:200 Resp: 100599
Ion Ratio Lower Upper
200 100
173 33.4 6.3 46.3
215 45.0 27.2 67.2



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

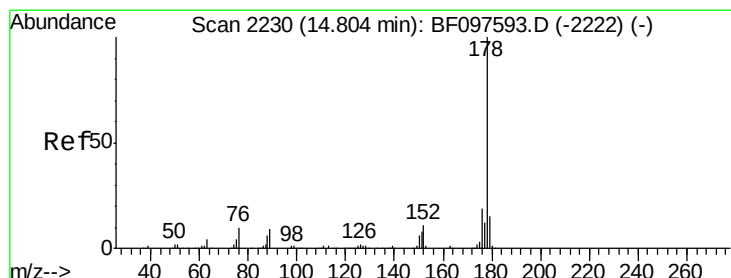
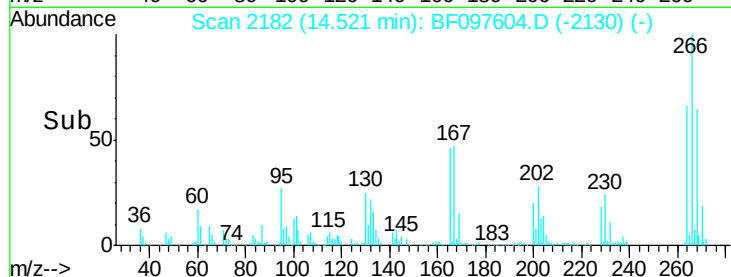
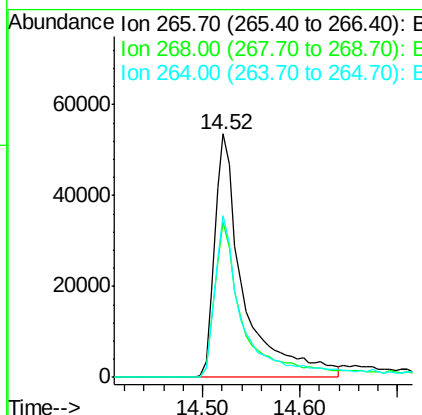
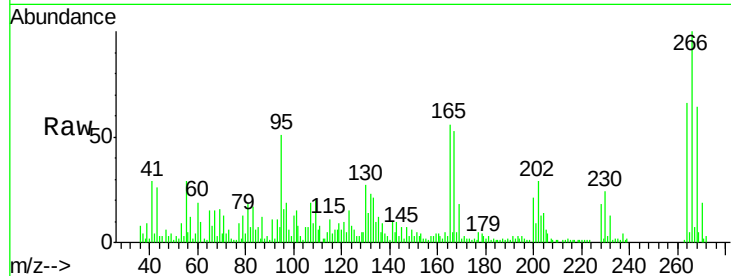




#69
 Pentachlorophenol
 Concen: Below Cal
 RT: 14.52 min Scan# 2182
 Delta R.T. 0.01 min
 Lab File: BF097604.D
 Acq: 11 Aug 2017 20:14

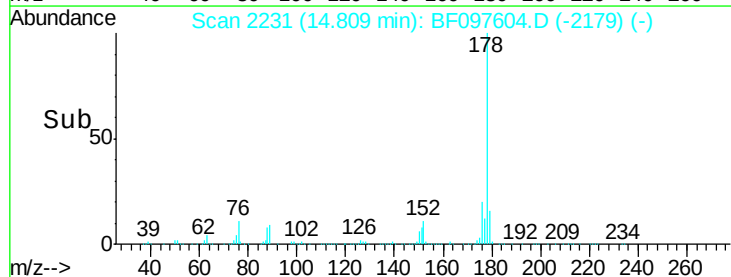
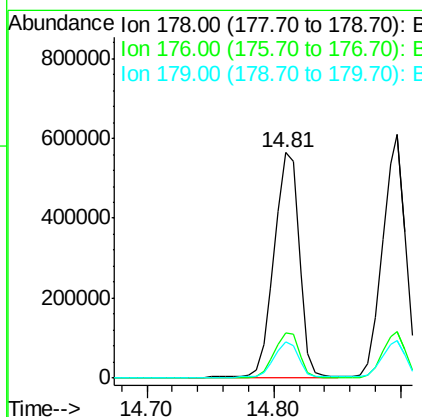
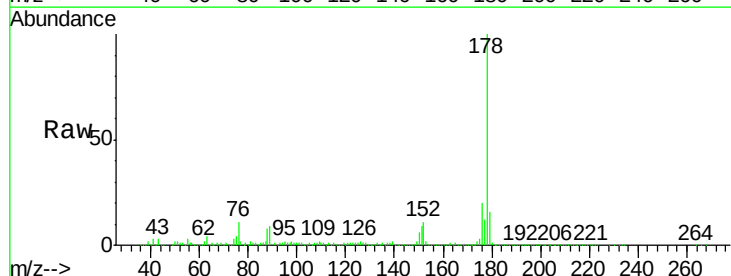
Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MS

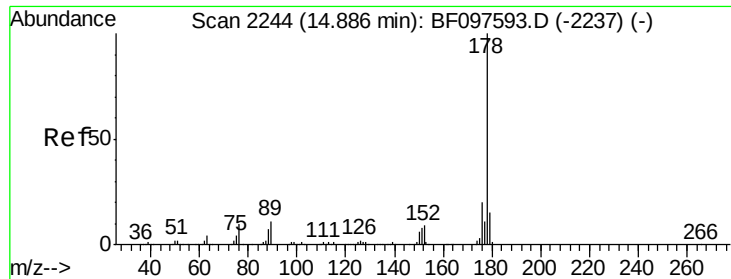
Tot Ion:266 Resp: 110024
 Ion Ratio Lower Upper
 266 100
 268 63.8 51.1 76.7
 264 66.4 51.7 77.5



#70
 Phenanthrene
 Concen: 41.64 ng
 RT: 14.81 min Scan# 2231
 Delta R.T. 0.01 min
 Lab File: BF097604.D
 Acq: 11 Aug 2017 20:14

Tgt Ion:178 Resp: 776813
 Ion Ratio Lower Upper
 178 100
 176 19.8 16.2 24.4
 179 15.9 12.6 19.0

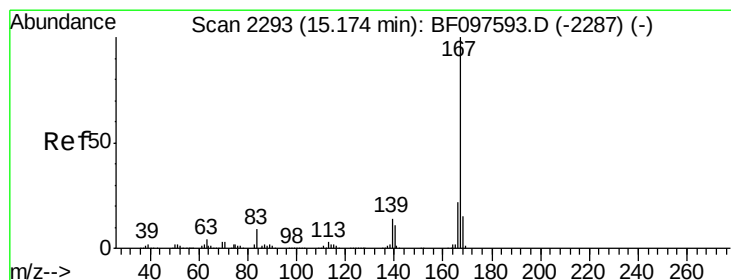
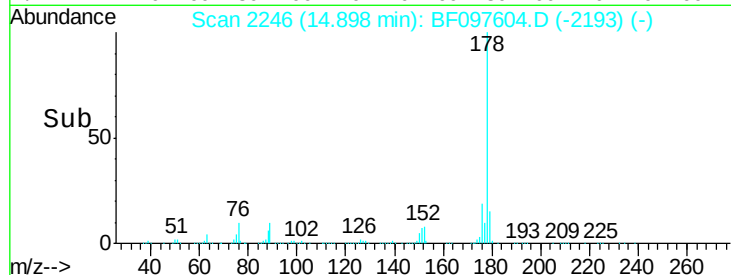
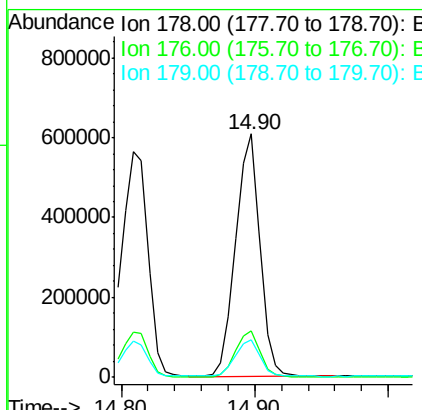
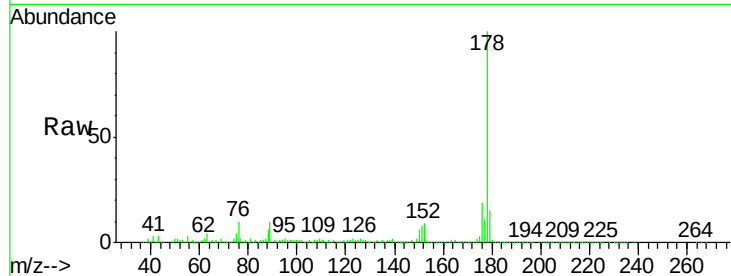




#71
 Anthracene
 Concen: 40.62 ng
 RT: 14.90 min Scan# 2246
 Delta R.T. 0.01 min
 Lab File: BF097604.D
 Acq: 11 Aug 2017 20:14

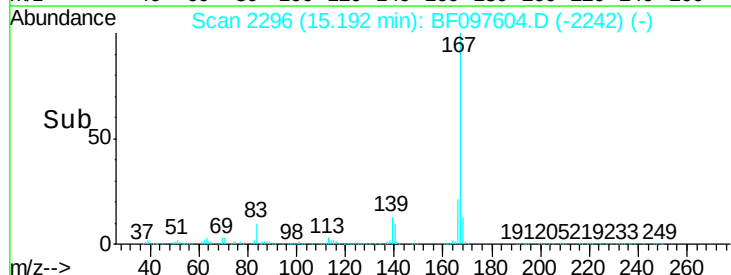
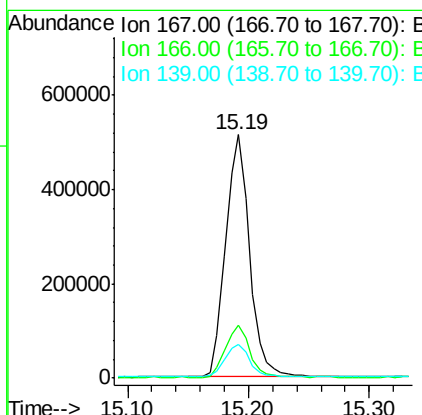
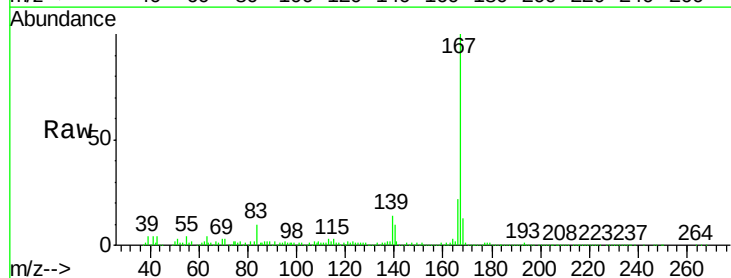
Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MS

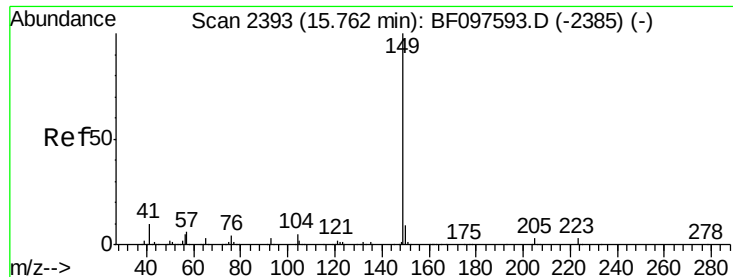
Tot Ion:178 Resp: 775359
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.8 23.8
 179 15.2 12.7 19.1



#72
 Carbazole
 Concen: 38.93 ng
 RT: 15.19 min Scan# 2296
 Delta R.T. 0.02 min
 Lab File: BF097604.D
 Acq: 11 Aug 2017 20:14

Tgt Ion:167 Resp: 707375
 Ion Ratio Lower Upper
 167 100
 166 21.7 18.1 27.1
 139 14.0 11.7 17.5





#73

Di-n-butylphthalate

Concen: 40.54 ng

RT: 15.77 min Scan# 2395

Delta R.T. 0.01 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

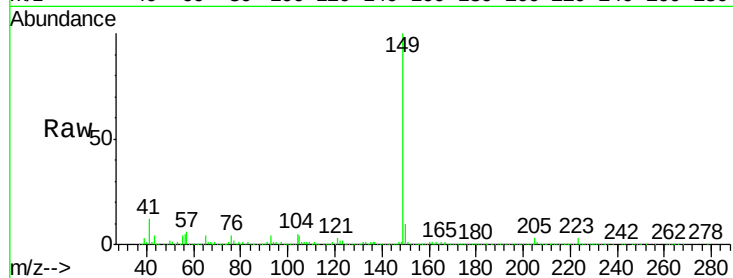
Tot Ion:149 Resp: 862365

Ion Ratio Lower Upper

149 100

150 9.5 7.7 11.5

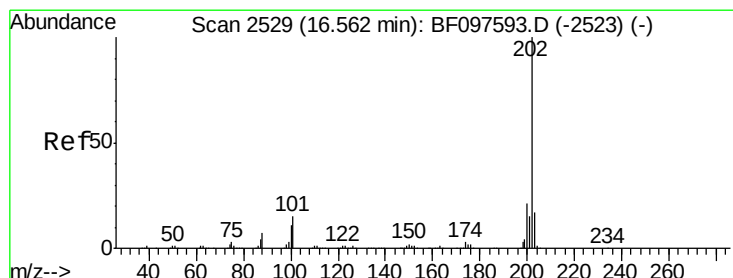
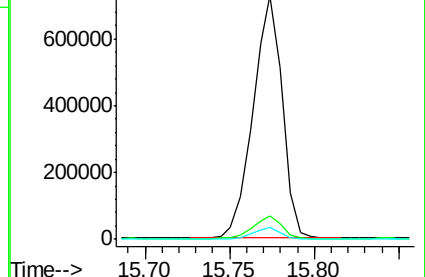
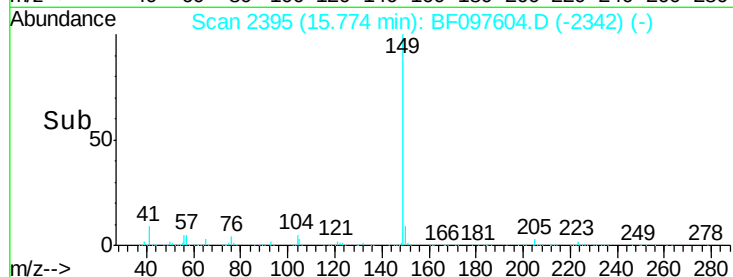
104 4.7 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 38.47 ng

RT: 16.58 min Scan# 2532

Delta R.T. 0.02 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

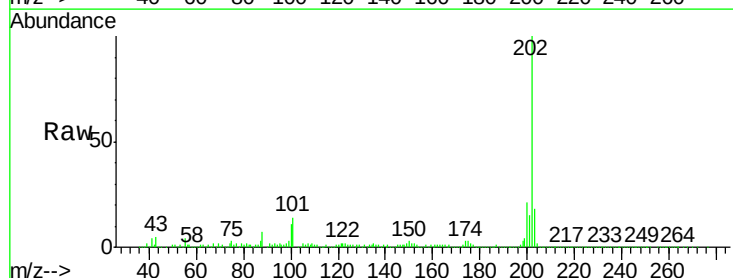
Tgt Ion:202 Resp: 648513

Ion Ratio Lower Upper

202 100

101 13.5 0.0 33.2

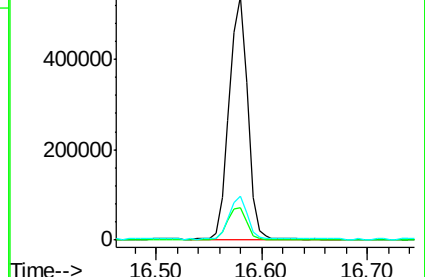
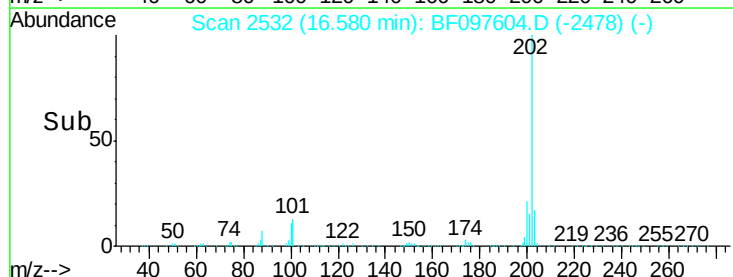
203 17.8 0.0 38.1

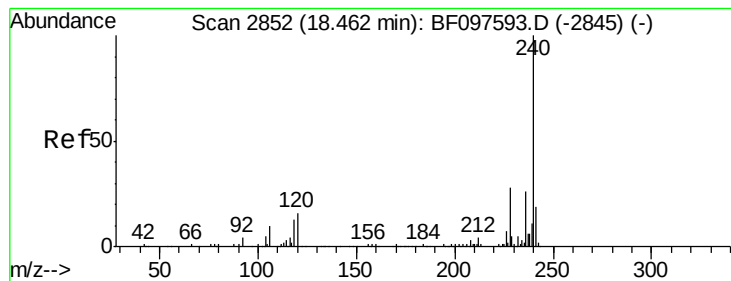


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.48 min Scan# 2855

Delta R.T. 0.02 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

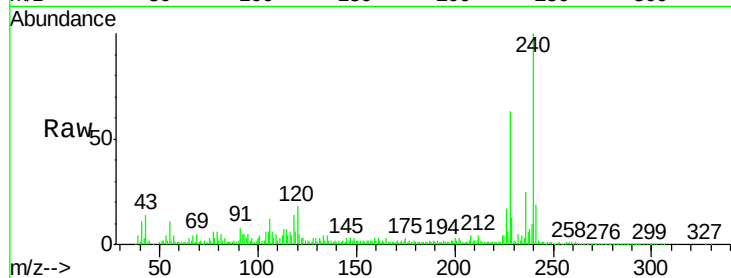
Tot Ion:240 Resp: 194254

Ion Ratio Lower Upper

240 100

120 18.1 5.8 8.8#

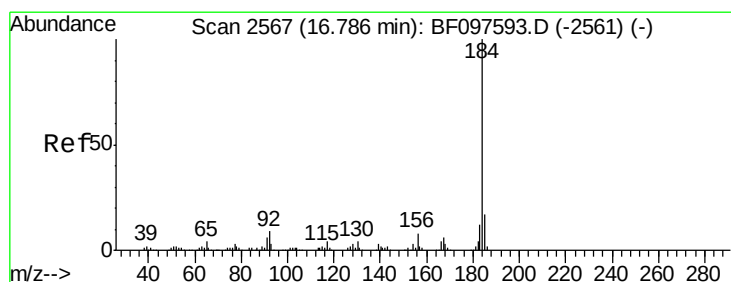
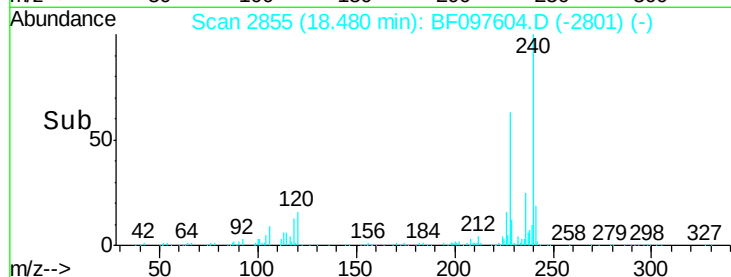
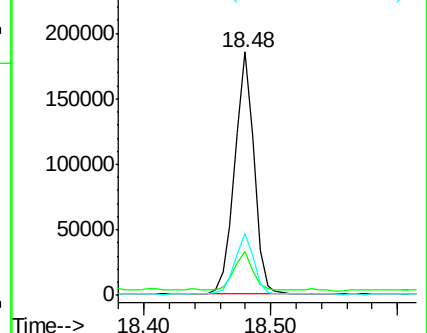
236 25.4 20.5 30.7



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: 0.05 ng

RT: 16.80 min Scan# 2570

Delta R.T. 0.02 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

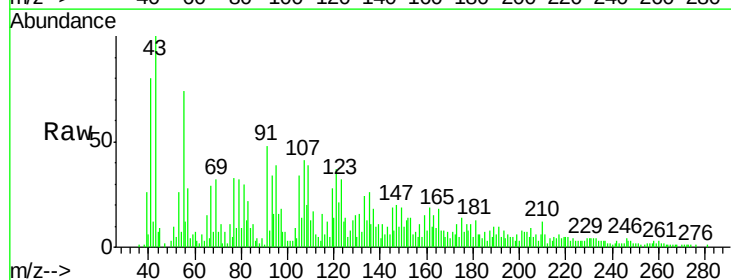
Tgt Ion:184 Resp: 298

Ion Ratio Lower Upper

184 100

185 181.3 15.5 23.3#

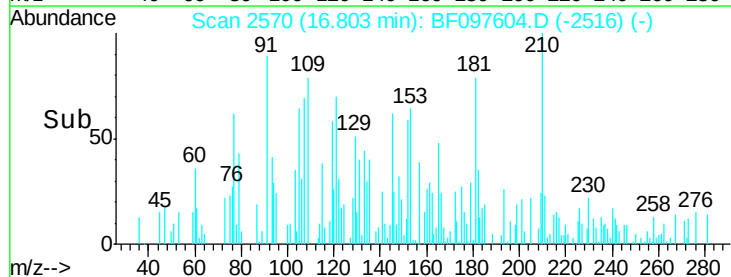
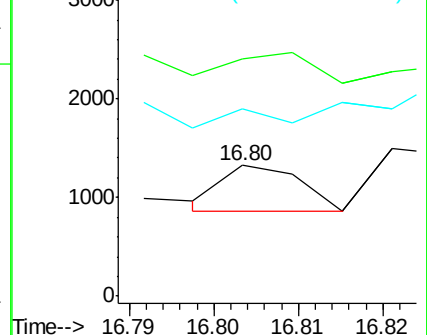
183 143.9 9.8 14.6#

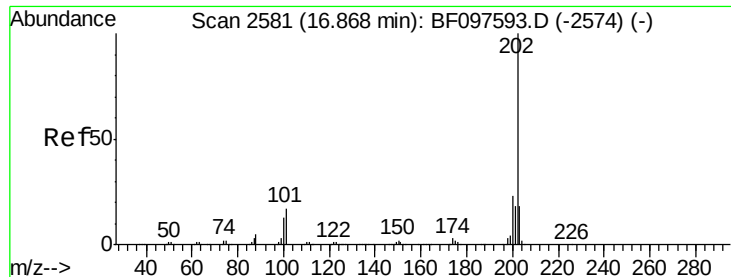


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 39.58 ng

RT: 16.88 min Scan# 2583

Delta R.T. 0.01 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

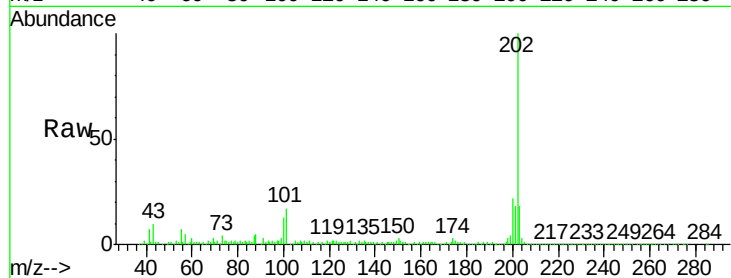
Tot Ion:202 Resp: 635777

Ion Ratio Lower Upper

202 100

200 21.9 17.6 26.4

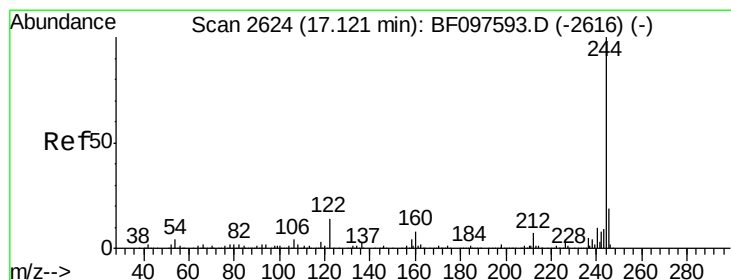
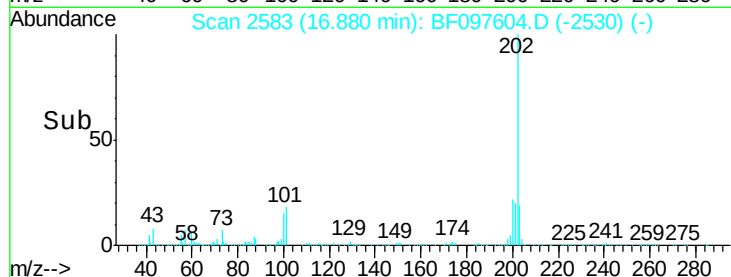
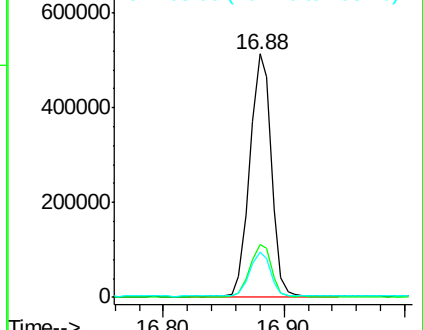
203 18.5 14.4 21.6



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: 63.51 ng

RT: 17.13 min Scan# 2626

Delta R.T. 0.01 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

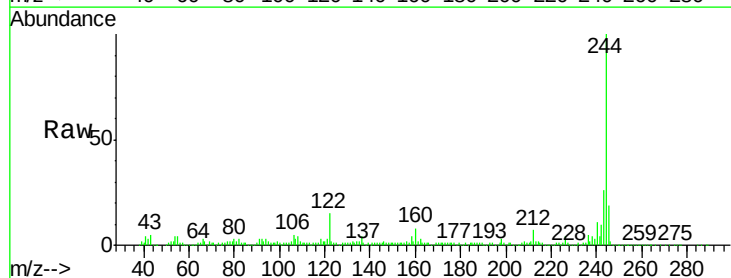
Tgt Ion:244 Resp: 596070

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

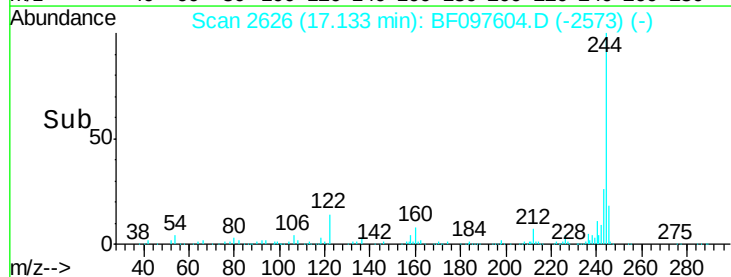
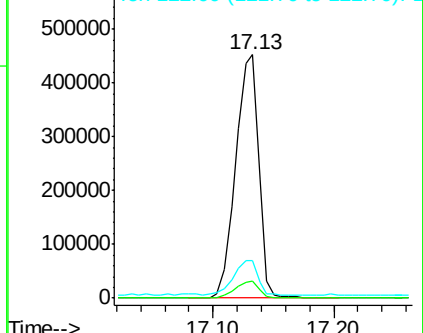
122 15.2 10.3 15.5

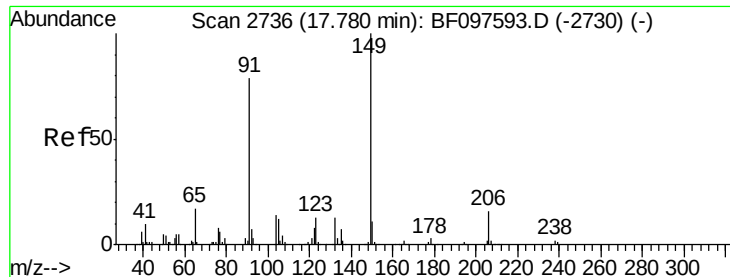


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 46.17 ng

RT: 17.80 min Scan# 2740

Delta R.T. 0.02 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

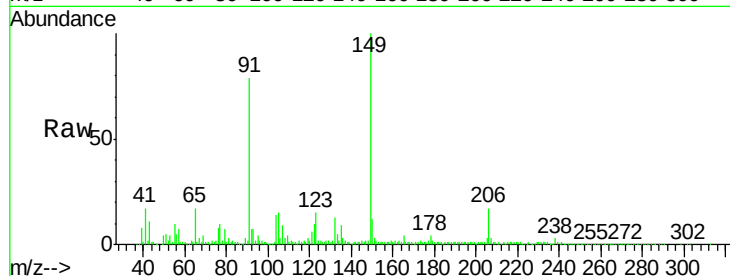
Tot Ion:149 Resp: 310051

Ion Ratio Lower Upper

149 100

91 79.2 45.0 67.4#

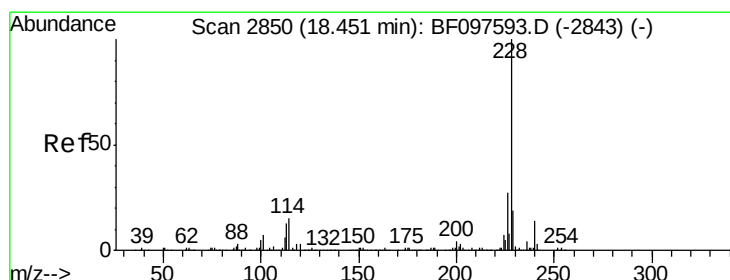
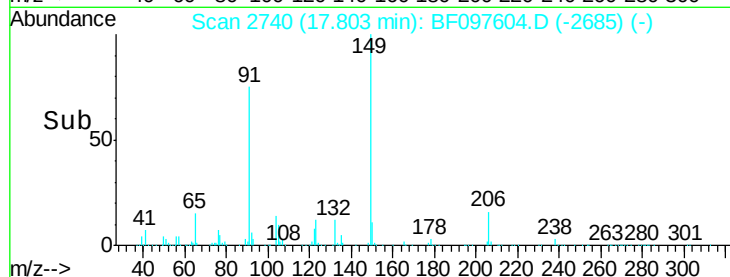
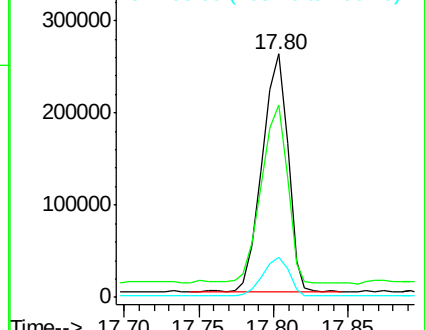
206 16.5 17.0 25.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 44.24 ng

RT: 18.47 min Scan# 2853

Delta R.T. 0.02 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

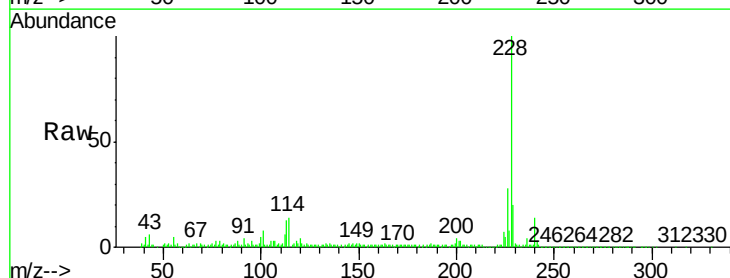
Tgt Ion:228 Resp: 501943

Ion Ratio Lower Upper

228 100

226 27.6 22.6 33.8

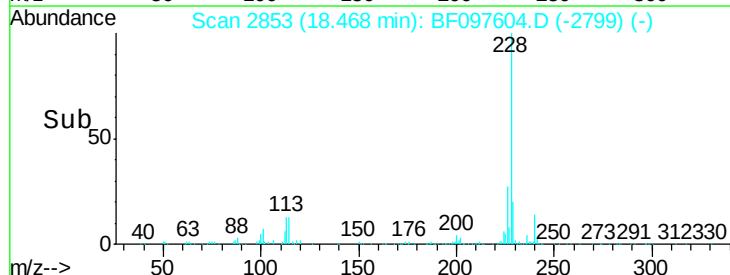
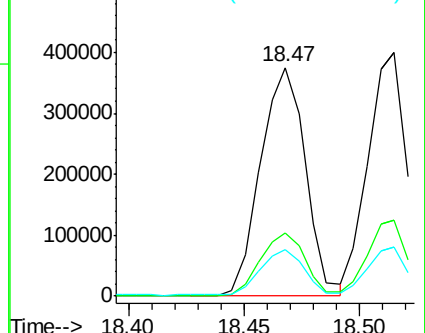
229 20.1 16.3 24.5

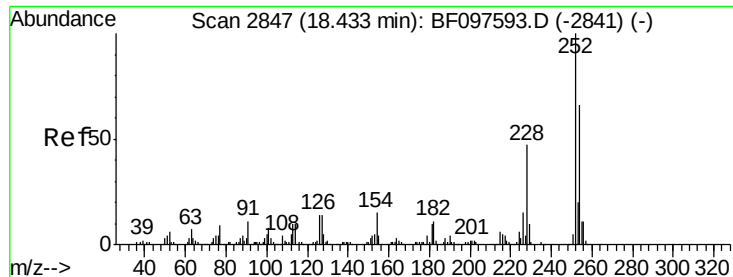


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

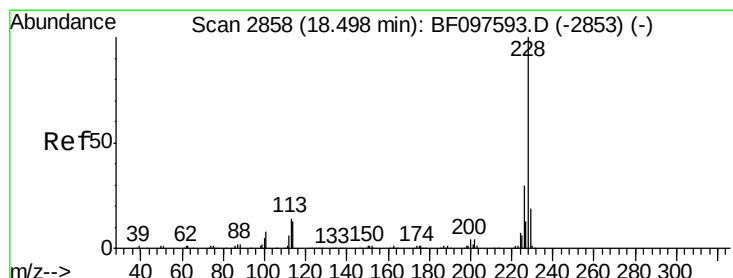
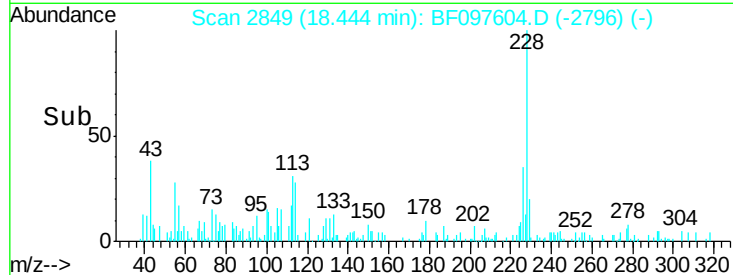
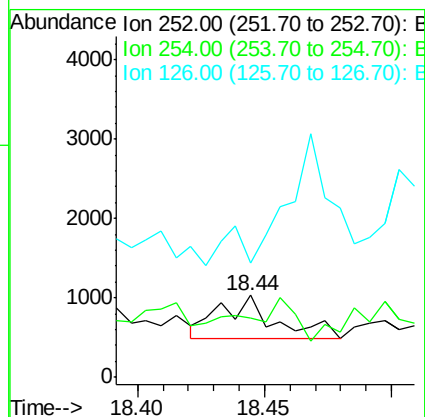
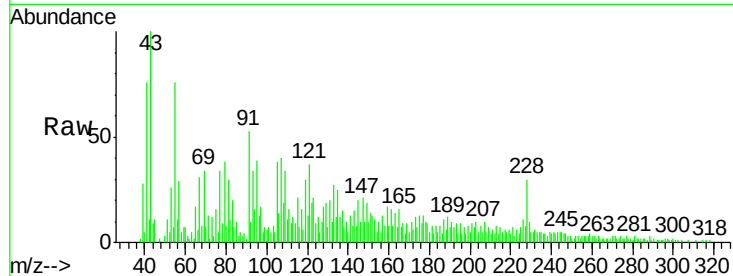




#81
 3,3'-Dichlorobenzidine
 Concen: 0.21 ng
 RT: 18.44 min Scan# 2849
 Delta R.T. 0.01 min
 Lab File: BF097604.D
 Acq: 11 Aug 2017 20:14

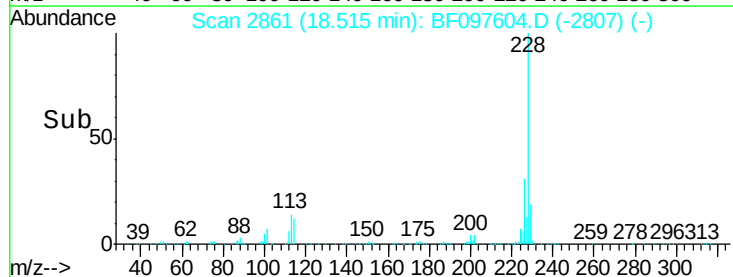
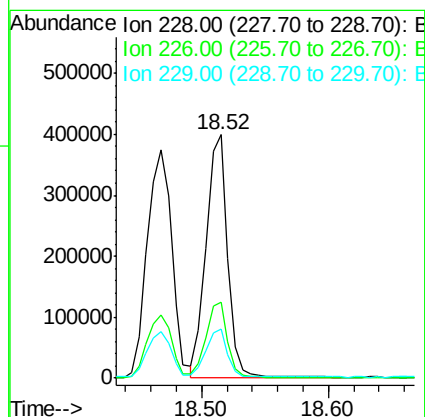
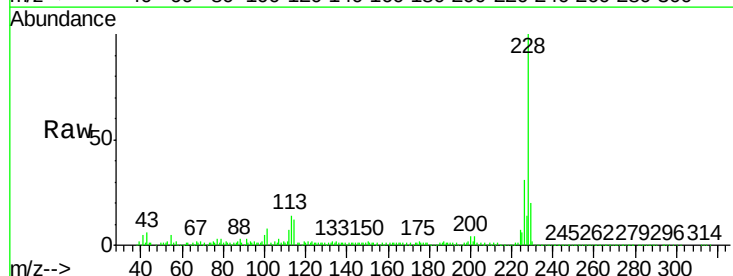
Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MS

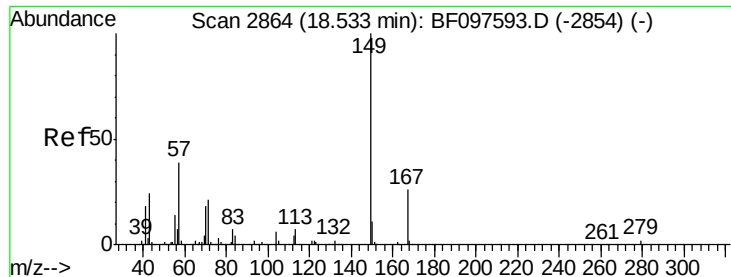
Tot Ion:252 Resp: 825
 Ion Ratio Lower Upper
 252 100
 254 72.1 51.5 77.3
 126 139.7 15.8 23.8#



#82
 Chrysene
 Concen: 41.61 ng
 RT: 18.52 min Scan# 2861
 Delta R.T. 0.02 min
 Lab File: BF097604.D
 Acq: 11 Aug 2017 20:14

Tgt Ion:228 Resp: 469499
 Ion Ratio Lower Upper
 228 100
 226 31.4 24.9 37.3
 229 19.9 15.8 23.6

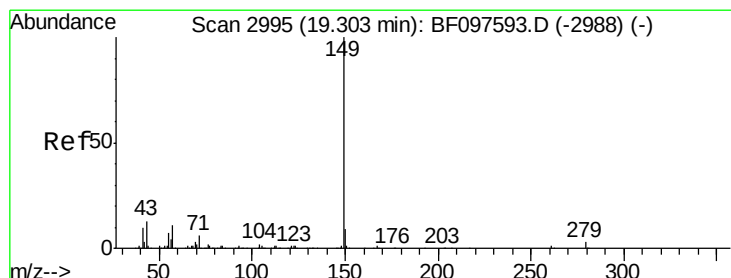
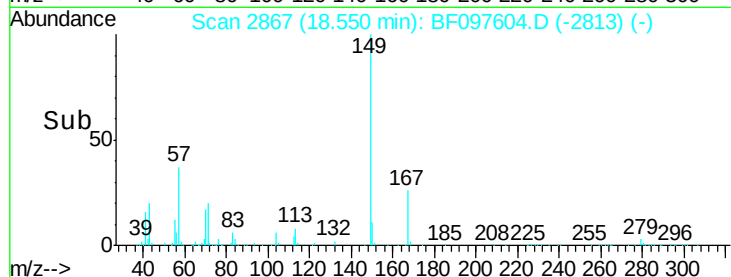
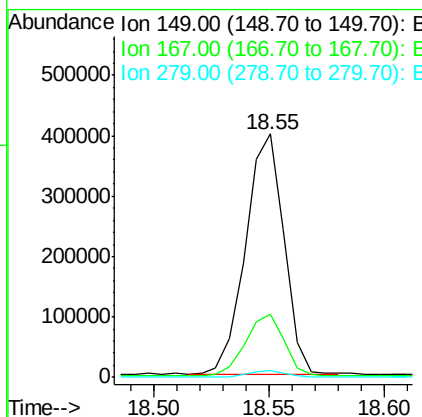
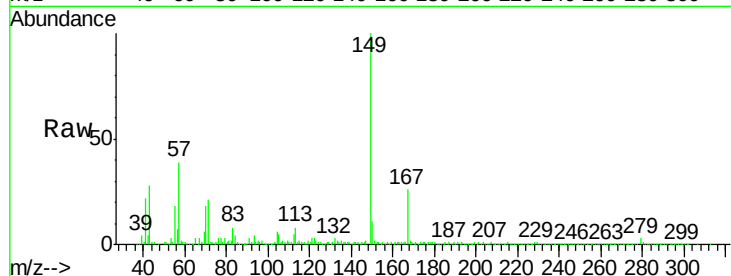




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 48.02 ng
 RT: 18.55 min Scan# 2867
 Delta R.T. 0.02 min
 Lab File: BF097604.D
 Acq: 11 Aug 2017 20:14

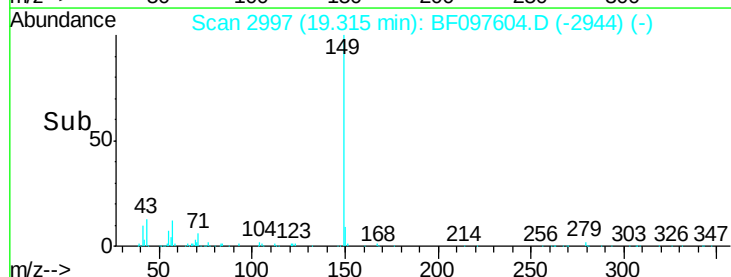
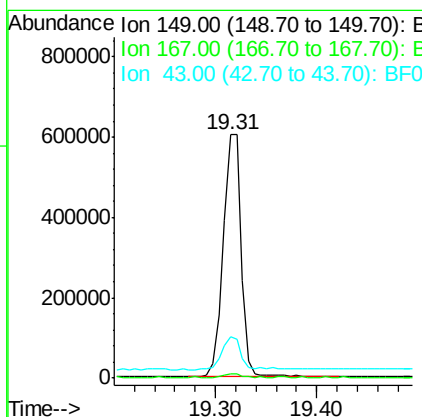
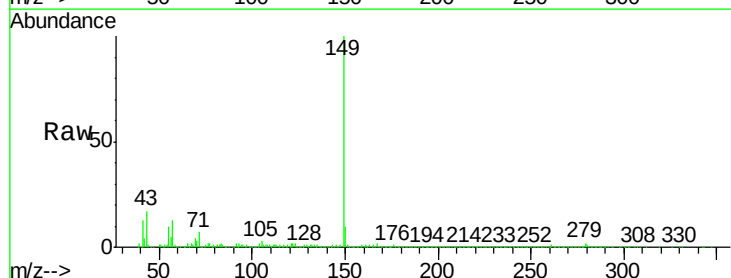
Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MS

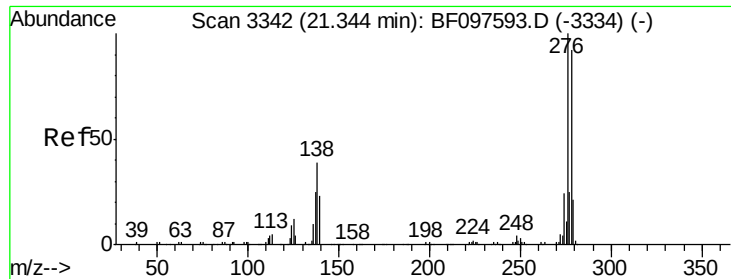
Tot Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.0	31.4
279	2.9	1.9	2.9#



#84
 Di-n-octyl phthalate
 Concen: 44.02 ng
 RT: 19.31 min Scan# 2997
 Delta R.T. 0.01 min
 Lab File: BF097604.D
 Acq: 11 Aug 2017 20:14

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.2	1.8
43	14.9	8.5	12.7#

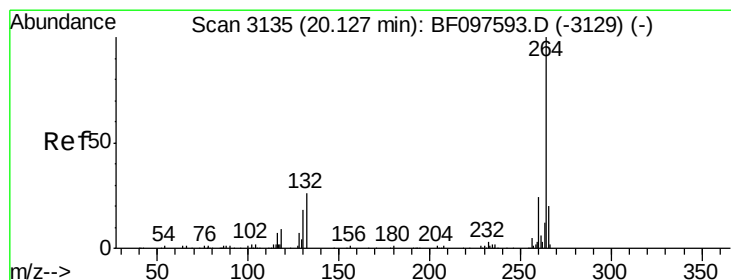
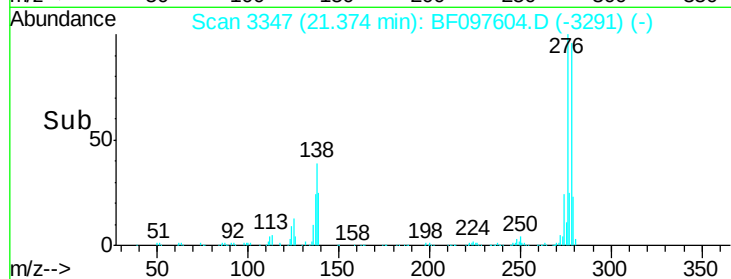
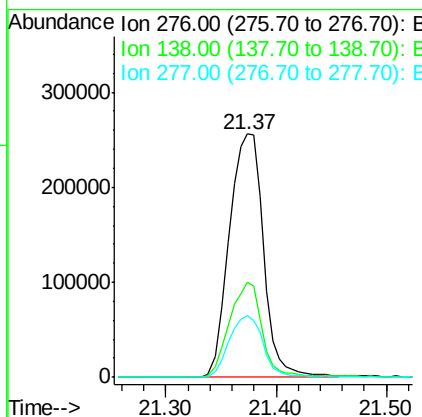
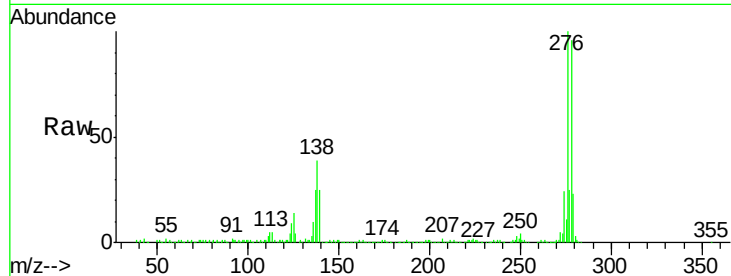




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 63.52 ng
 RT: 21.37 min Scan# 3347
 Delta R.T. 0.03 min
 Lab File: BF097604.D
 Acq: 11 Aug 2017 20:14

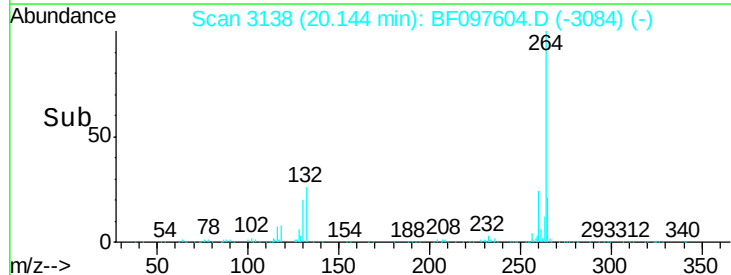
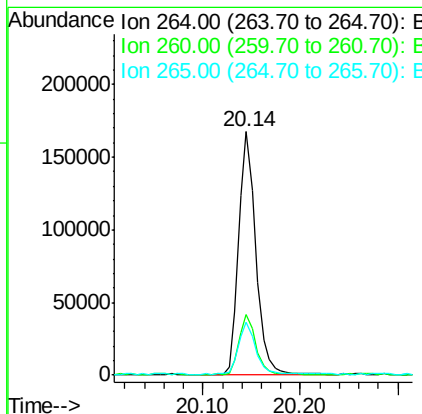
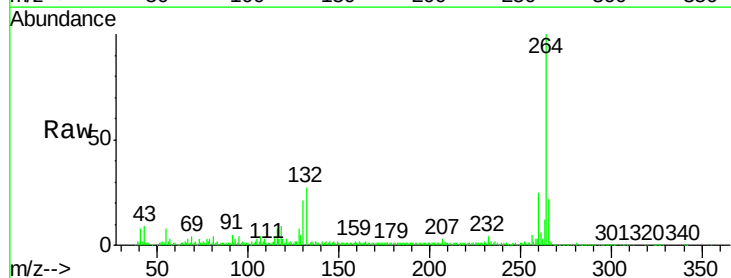
Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MS

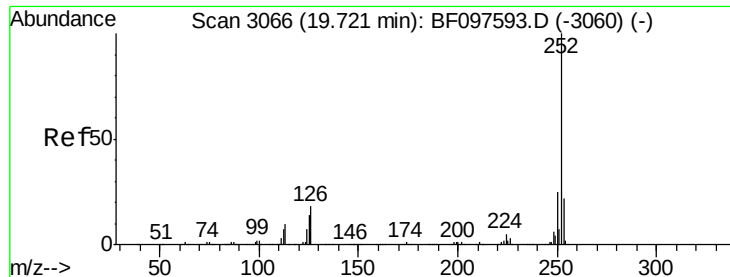
Tot Ion	Ratio	Lower	Upper
276	100		
138	36.9	27.8	41.6
277	25.2	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.14 min Scan# 3138
 Delta R.T. 0.02 min
 Lab File: BF097604.D
 Acq: 11 Aug 2017 20:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	21.6	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 42.51 ng

RT: 19.74 min Scan# 3070

Delta R.T. 0.02 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

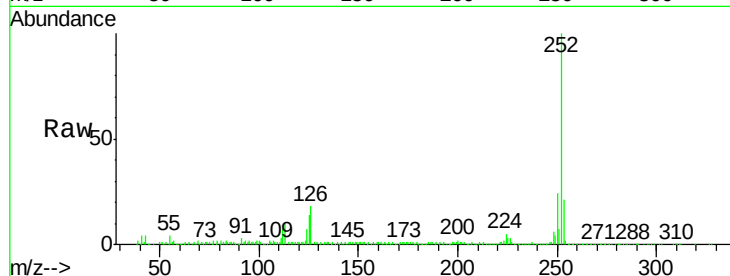
Tot Ion:252 Resp: 522476

Ion Ratio Lower Upper

252 100

253 21.0 18.1 27.1

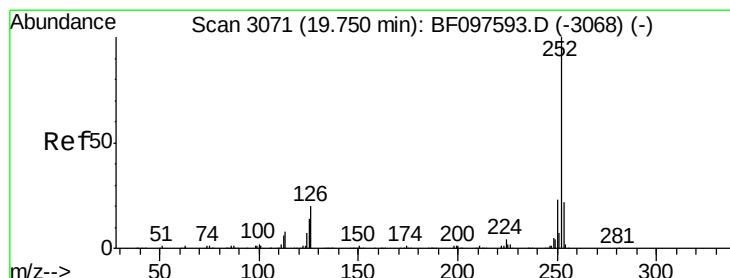
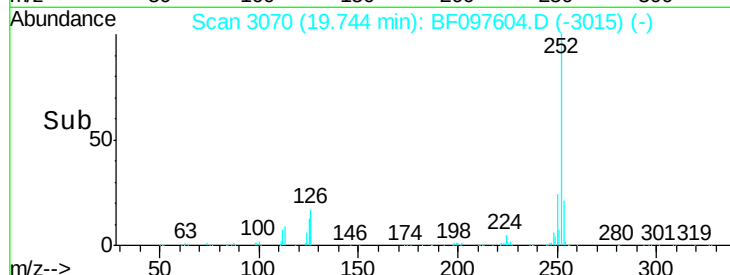
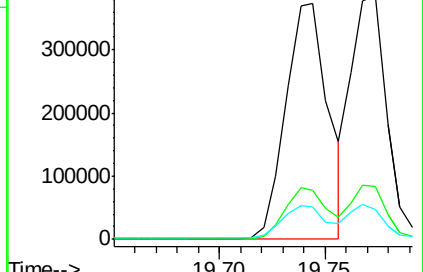
125 13.7 9.8 14.8



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: 42.21 ng

RT: 19.74 min Scan# 3070

Delta R.T. -0.01 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

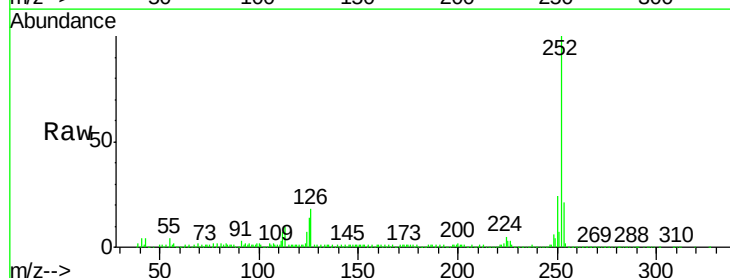
Tgt Ion:252 Resp: 522476

Ion Ratio Lower Upper

252 100

253 21.0 18.4 27.6

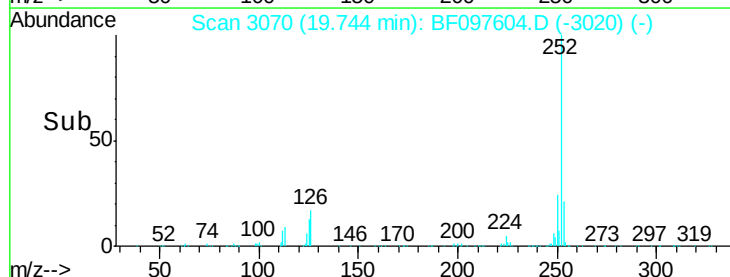
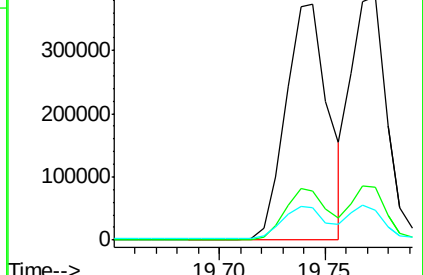
125 13.7 13.1 19.7

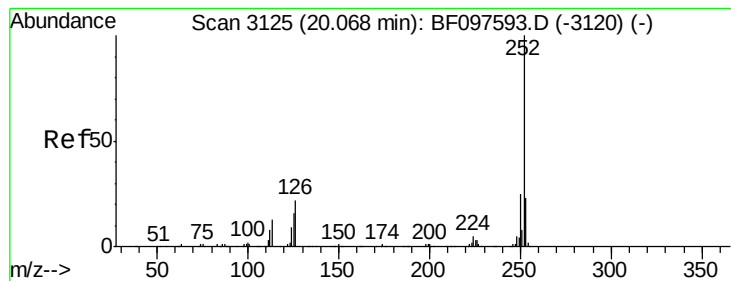


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 42.97 ng

RT: 20.09 min Scan# 3129

Delta R.T. 0.02 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

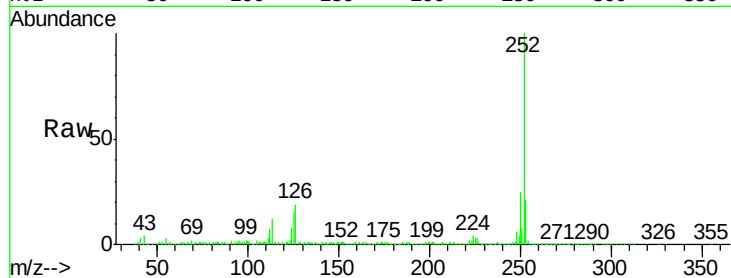
Tot Ion:252 Resp: 484695

Ion Ratio Lower Upper

252 100

253 21.4 17.5 26.3

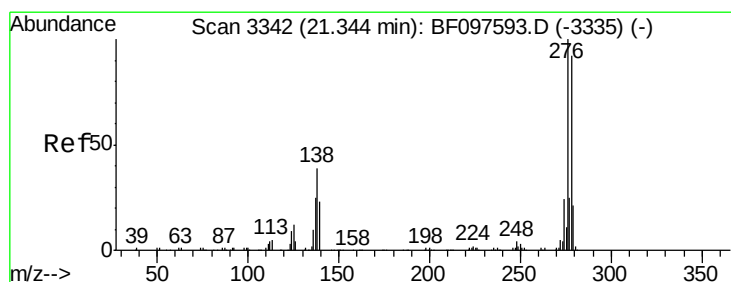
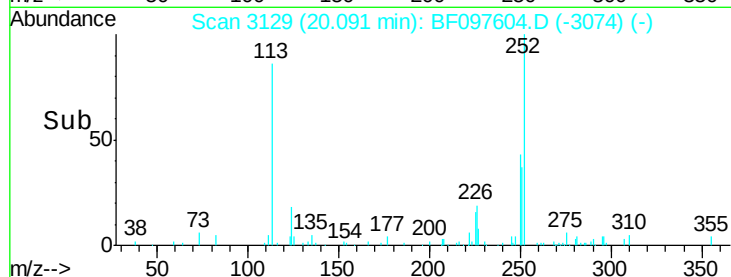
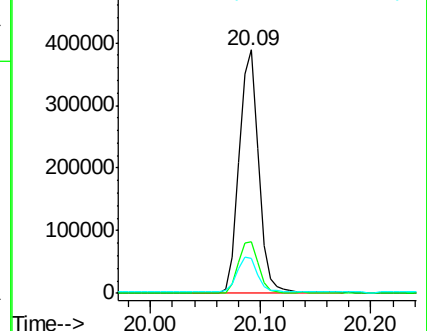
125 14.6 11.0 16.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 57.26 ng

RT: 21.38 min Scan# 3348

Delta R.T. 0.04 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

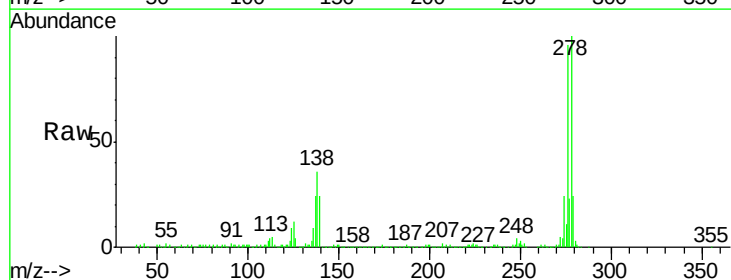
Tgt Ion:278 Resp: 462499

Ion Ratio Lower Upper

278 100

139 23.5 16.6 24.8

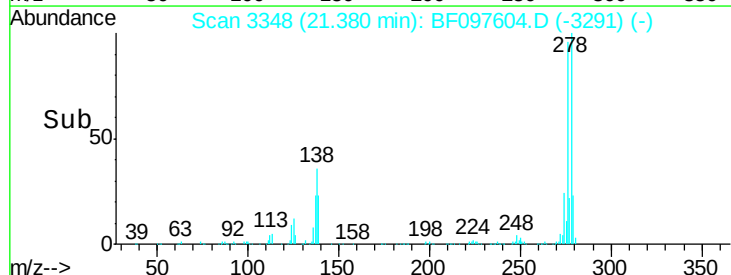
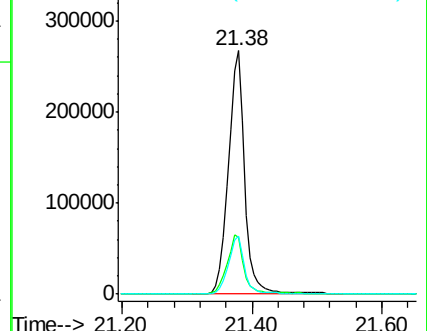
279 23.6 19.3 28.9

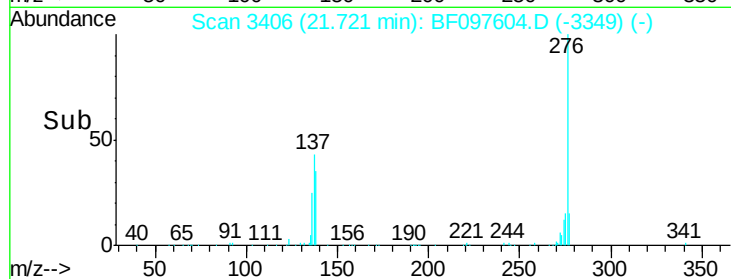
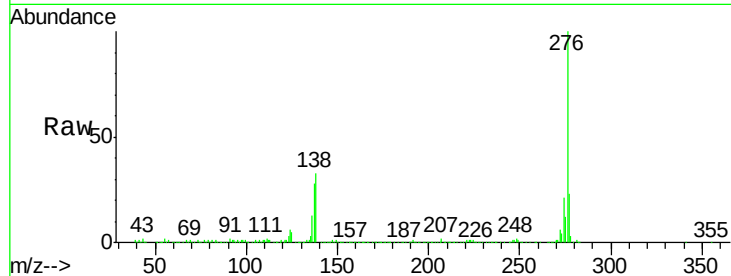
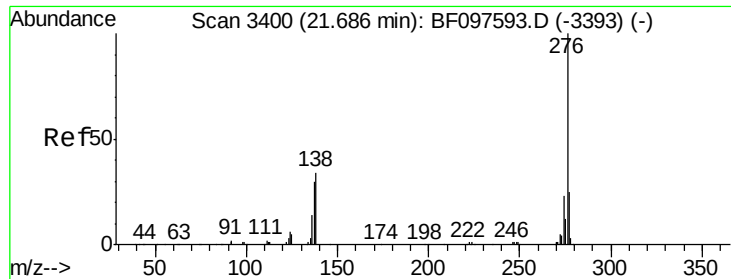


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 58.30 ng

RT: 21.72 min Scan# 3406

Delta R.T. 0.04 min

Lab File: BF097604.D

Acq: 11 Aug 2017 20:14

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

Tot Ion: 276 Resp: 516531

Ion Ratio Lower Upper

276 100

277 22.5 18.6 28.0

138 32.9 25.4 38.0

