

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081217\
 Data File : BF097648.D
 Acq On : 12 Aug 2017 22:34
 Operator : SJ/JU
 Sample : I4631-02MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MS

Quant Time: Aug 14 05:22:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 11 15:55:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	134999	20.00	ng	0.00
21) Naphthalene-d8	9.54	136	556852	20.00	ng	0.00
38) Acenaphthene-d10	12.36	164	215877	20.00	ng	0.00
63) Phenanthrene-d10	14.76	188	279206	20.00	ng	0.00
75) Chrysene-d12	18.47	240	173103	20.00	ng	0.00
86) Perylene-d12	20.14	264	178390	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	578883	68.16	ng	0.04
7) Phenol-d6	7.11	99	397325	37.71	ng	0.05
23) Nitrobenzene-d5	8.43	82	771208	86.84	ng	0.00
41) 2,4,6-Tribromophenol	13.67	330	166526	101.47	ng	0.00
44) 2-Fluorobiphenyl	11.32	172	1138003	79.56	ng	0.00
78) Terphenyl-d14	17.12	244	510732	61.06	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.85	88	44981	12.20	ng	# 76
3) Pyridine	2.56	79	28112	2.62	ng	# 62
4) n-Nitrosodimethylamine	2.42	42	80376	12.89	ng	# 77
6) Aniline	7.08	93	76966	5.08	ng	98
8) 2-Chlorophenol	7.21	128	347119	35.65	ng	91
9) Benzaldehyde	6.82	77	197734	28.46	ng	95
10) Phenol	7.14	94	182562	15.83	ng	# 34
11) bis(2-Chloroethyl)ether	7.15	93	387768	41.91	ng	91
12) 1,3-Dichlorobenzene	7.40	146	355955	32.65	ng	98
13) 1,4-Dichlorobenzene	7.53	146	363640	32.77	ng	96
14) 1,2-Dichlorobenzene	7.76	146	346217	34.18	ng	98
15) Benzyl Alcohol	7.82	79	181484	24.93	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.00	45	918350	44.21	ng	91
17) 2-Methylphenol	8.06	107	241904	32.06	ng	99
18) Hexachloroethane	8.28	117	127942	33.69	ng	# 80
19) n-Nitroso-di-n-propylamine	8.24	70	316091	43.13	ng	# 80
20) 3+4-Methylphenols	8.32	107	275900	29.86	ng	# 59
22) Acetophenone	8.19	105	564846	42.94	ng	# 99
24) Nitrobenzene	8.45	77	428220	44.25	ng	99
25) Isophorone	8.86	82	745146	45.55	ng	97
26) 2-Nitrophenol	8.96	139	216164	44.16	ng	# 89
27) 2,4-Dimethylphenol	9.12	122	322071	39.46	ng	97
28) bis(2-Chloroethoxy)methane	9.23	93	512343	43.34	ng	99
29) 2,4-Dichlorophenol	9.40	162	308965	42.93	ng	96
30) 1,2,4-Trichlorobenzene	9.46	180	272225	38.15	ng	95
31) Naphthalene	9.57	128	1054151	37.79	ng	99
32) Benzoic acid	9.42	122	38238	8.69	ng	98
33) 4-Chloroaniline	9.73	127	136446	11.81	ng	97
34) Hexachlorobutadiene	9.79	225	133787	34.32	ng	98
35) Caprolactam	10.42	113	13302	5.74	ng	# 21
36) 4-Chloro-3-methylphenol	10.59	107	281613	34.82	ng	88
37) 2-Methylnaphthalene	10.69	142	689573	39.29	ng	99
39) 1,2,4,5-Tetrachlorobenzene	10.97	216	247309	40.46	ng	99
40) Hexachlorocyclopentadiene	10.95	237	40704	45.34	ng	98

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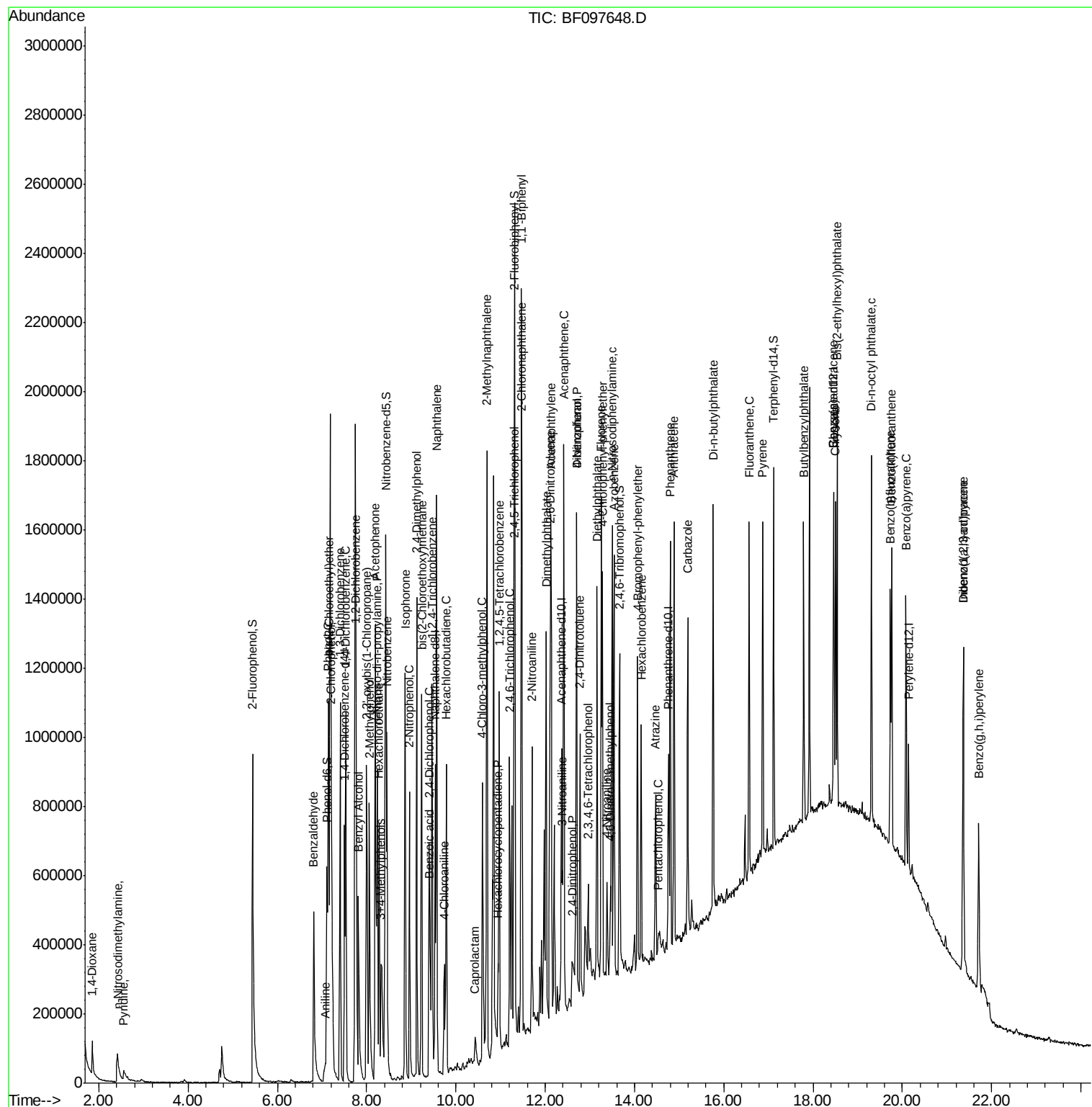
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	11.21	196	157301	39.06	nq	98
43) 2,4,5-Trichlorophenol	11.29	196	138634	36.44	nq	96
45) 1,1'-Biphenyl	11.46	154	720460	38.90	nq	97
46) 2-Chloronaphthalene	11.48	162	544743	38.31	nq	# 94
47) 2-Nitroaniline	11.70	65	218530	39.23	nq	97
48) Acenaphthylene	12.13	152	855092	37.82	nq	99
49) Dimethylphthalate	12.02	163	744861	44.77	nq	99
50) 2,6-Dinitrotoluene	12.12	165	138557	40.33	nq	# 61
51) Acenaphthene	12.42	154	512780	37.85	nq	99
52) 3-Nitroaniline	12.39	138	78712	17.50	nq	96
53) 2,4-Dinitrophenol	12.61	184	59127	41.75	nq	# 70
54) Dibenzofuran	12.70	168	767889	40.49	nq	98
55) 4-Nitrophenol	12.70	139	305860	178.53	nq	# 30
56) 2,4-Dinitrotoluene	12.78	165	181951	39.68	nq	# 72
57) Fluorene	13.26	166	591531	37.92	nq	98
58) 2,3,4,6-Tetrachlorophenol	12.96	232	57119	21.86	nq	# 96
59) Diethylphthalate	13.16	149	653818	41.61	nq	99
60) 4-Chlorophenyl-phenylether	13.29	204	259054	38.90	nq	93
61) 4-Nitroaniline	13.39	138	69413	16.18	nq	92
62) Azobenzene	13.54	77	645824	41.31	nq	91
64) 4,6-Dinitro-2-methylphenol	13.46	198	52005	30.53	nq	91
65) n-Nitrosodiphenylamine	13.50	169	488069	47.30	nq	99
66) 4-Bromophenyl-phenylether	14.07	248	142605	49.23	nq	96
67) Hexachlorobenzene	14.15	284	142039	45.02	nq	# 88
68) Atrazine	14.47	200	84565	32.67	nq	96
69) Pentachlorophenol	14.53	266	25169	41.77	nq	97
70) Phenanthrene	14.80	178	676953	42.10	nq	100
71) Anthracene	14.89	178	687824	41.80	nq	98
72) Carbazole	15.19	167	611632	39.05	nq	98
73) Di-n-butylphthalate	15.76	149	829346	45.24	nq	99
74) Fluoranthene	16.57	202	553273	38.08	nq	98
77) Pyrene	16.87	202	543893	38.00	nq	100
79) Butylbenzylphthalate	17.79	149	269688	45.07	nq	# 70
80) Benzo(a)anthracene	18.46	228	443193	43.84	nq	100
82) Chrysene	18.50	228	426106	42.37	nq	99
83) Bis(2-ethylhexyl)phthalate	18.54	149	389962	45.82	nq	98
84) Di-n-octyl phthalate	19.31	149	668066	44.94	nq	# 93
85) Indeno(1,2,3-cd)pyrene	21.37	276	428421	54.78	nq	99
87) Benzo(b)fluoranthene	19.73	252	485141	45.29	nq	98
88) Benzo(k)fluoranthene	19.76	252	409745	37.98	nq	97
89) Benzo(a)pyrene	20.09	252	429999	43.73	nq	100
90) Dibenzo(a,h)anthracene	21.37	278	364957	51.84	nq	98
91) Benzo(g,h,i)perylene	21.72	276	358196	46.38	nq	98

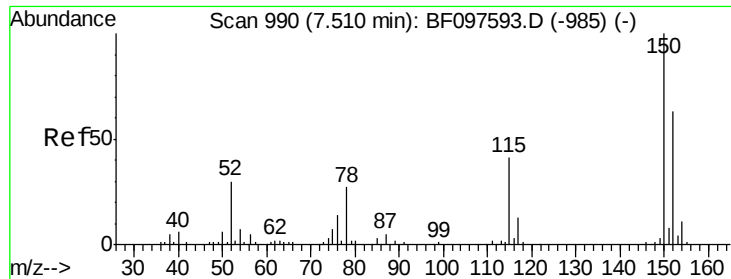
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.50 min Scan# 989

Delta R.T. -0.01 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

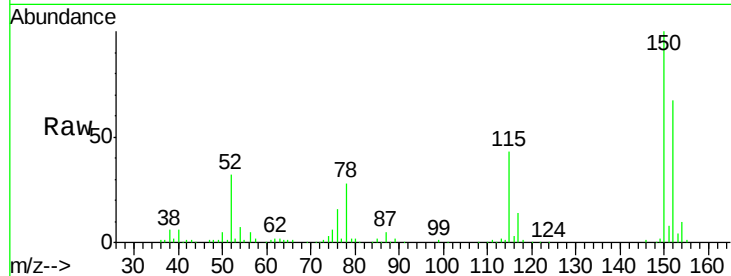
Tot Ion:152 Resp: 134999

Ion Ratio Lower Upper

152 100

150 149.6 126.2 189.2

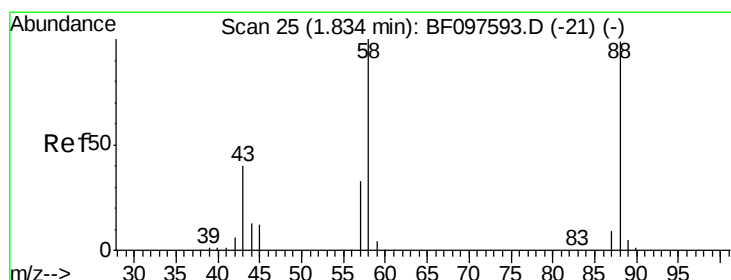
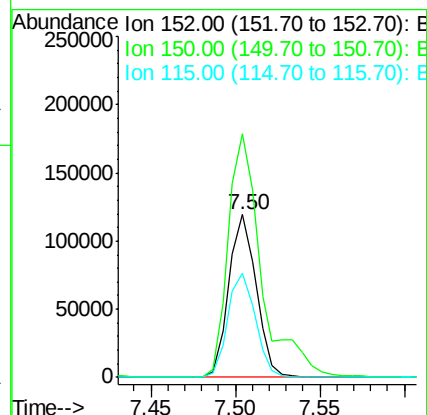
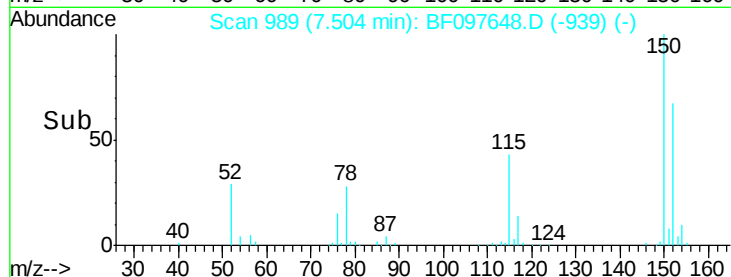
115 63.8 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 12.20 ng

RT: 1.85 min Scan# 28

Delta R.T. 0.02 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

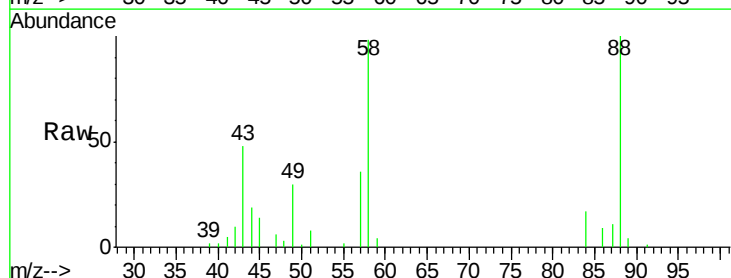
Tgt Ion: 88 Resp: 44981

Ion Ratio Lower Upper

88 100

58 100.7 61.4 92.0#

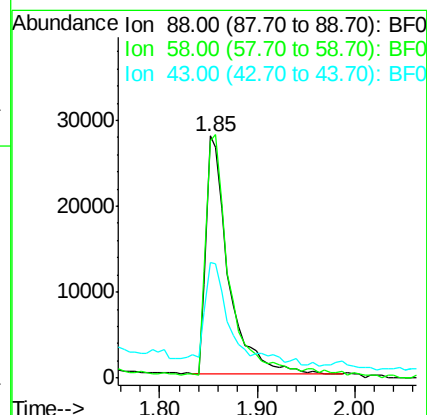
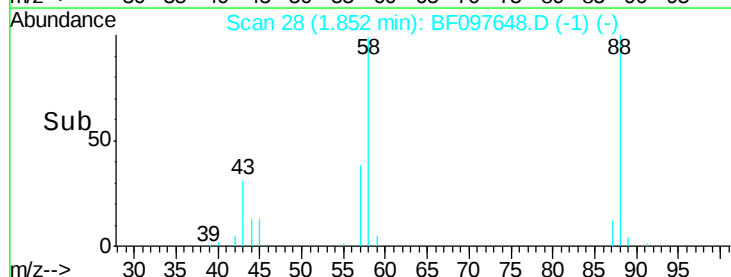
43 36.0 23.4 35.0#

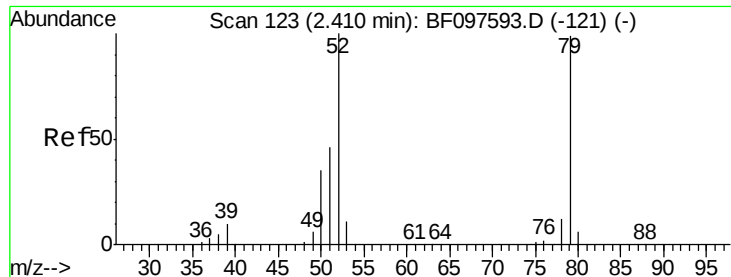


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 2.62 ng

RT: 2.56 min Scan# 148

Delta R.T. 0.15 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

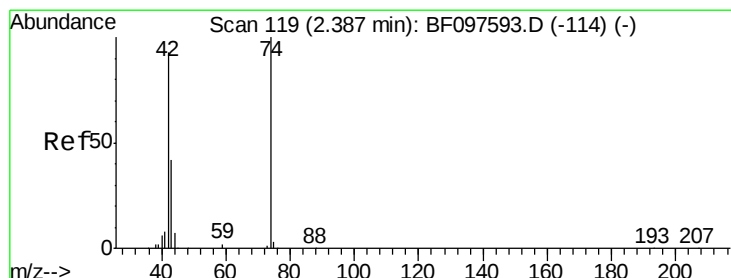
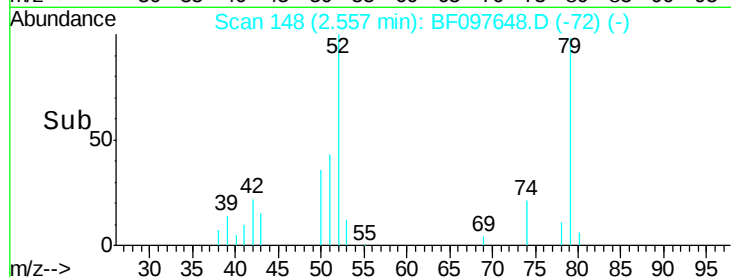
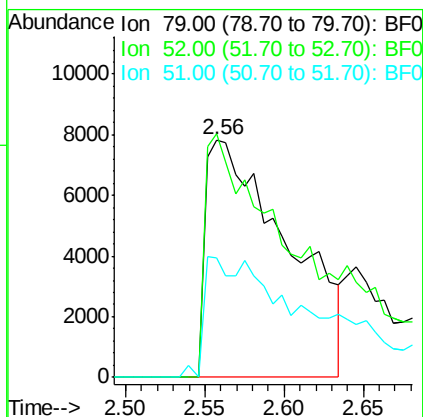
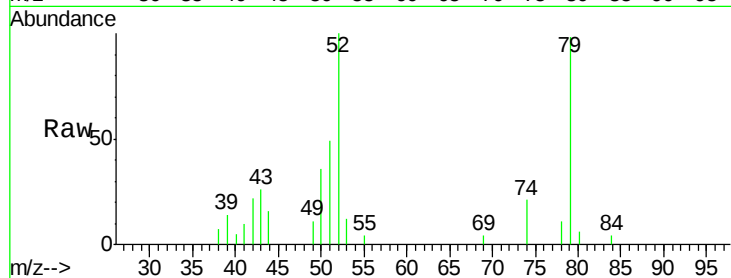
Tot Ion: 79 Resp: 28112

Ion Ratio Lower Upper

79 100

52 102.5 54.8 82.2#

51 50.2 27.0 40.4#



#4

n-Nitrosodimethylamine

Concen: 12.89 ng

RT: 2.42 min Scan# 124

Delta R.T. 0.03 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

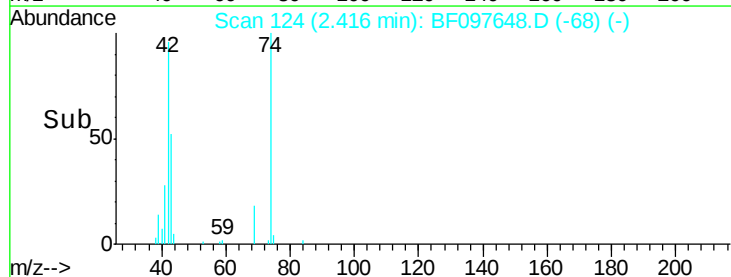
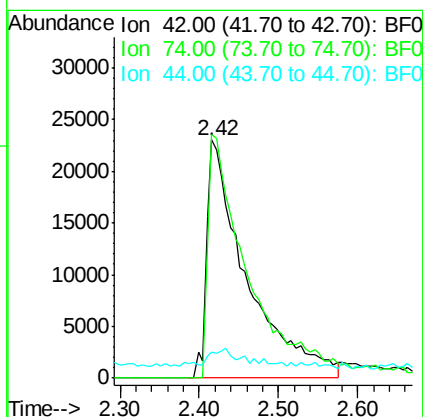
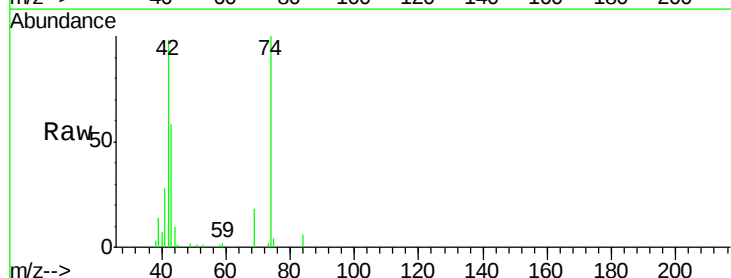
Tgt Ion: 42 Resp: 80376

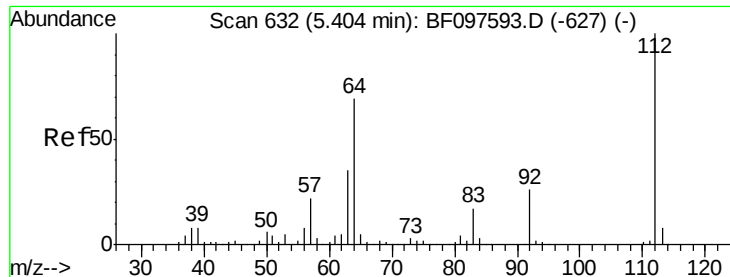
Ion Ratio Lower Upper

42 100

74 102.2 103.9 155.9#

44 10.7 5.7 8.5#





#5

2-Fluorophenol

Concen: 68.16 ng

RT: 5.45 min Scan# 639

Delta R.T. 0.04 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

Instrument :

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ClientSampleId :

VE-4-11MS

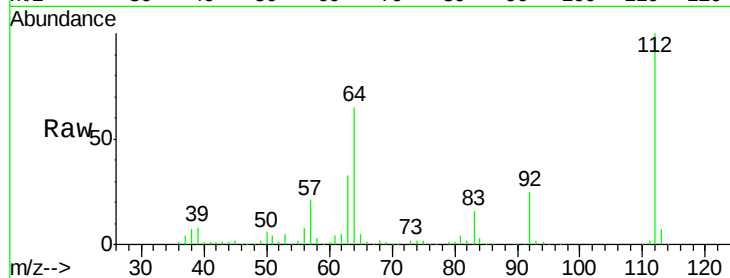
Tot Ion:112 Resp: 578883

Ion Ratio Lower Upper

112 100

64 65.5 46.0 69.0

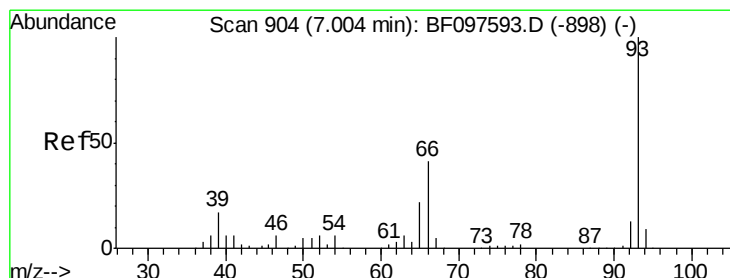
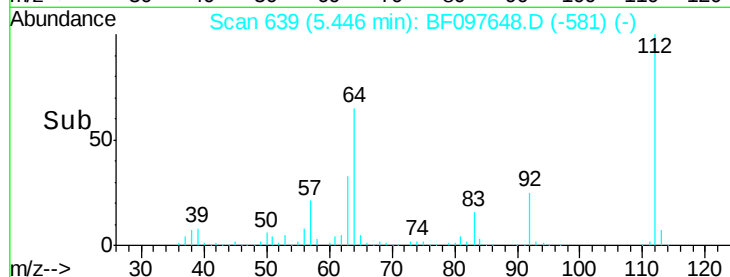
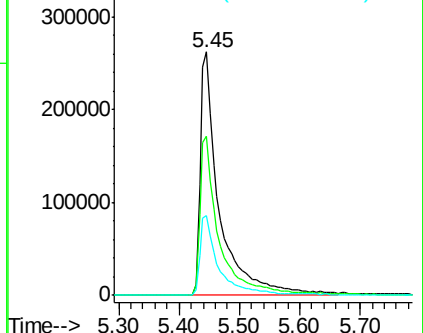
63 32.8 23.4 35.0



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: 5.08 ng

RT: 7.08 min Scan# 917

Delta R.T. 0.08 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

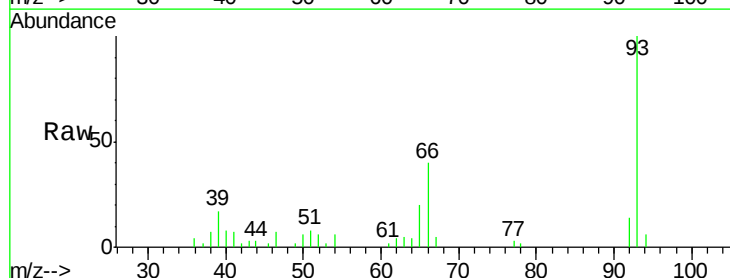
Tgt Ion: 93 Resp: 76966

Ion Ratio Lower Upper

93 100

66 39.6 32.9 49.3

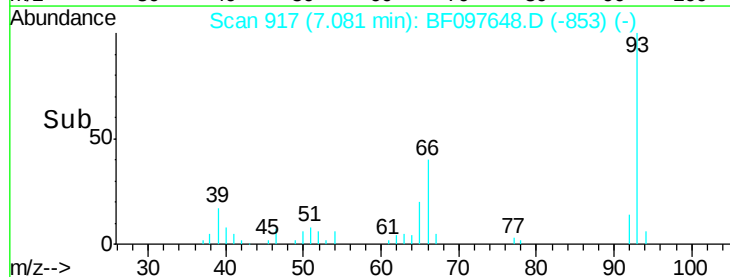
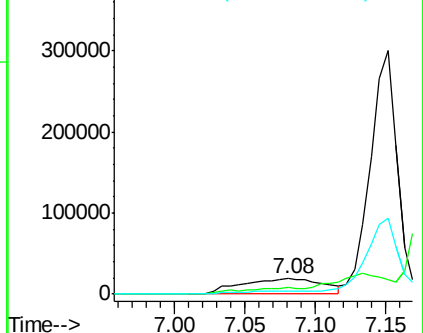
65 20.2 16.0 24.0

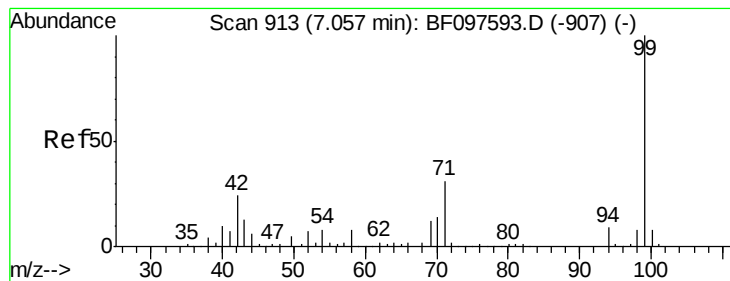


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 37.71 ng

RT: 7.11 min Scan# 922

Delta R.T. 0.05 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

Instrument :

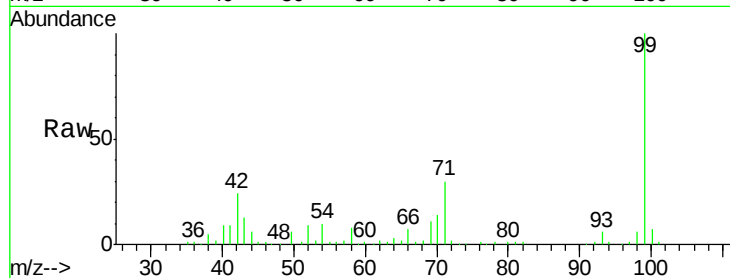
BNA_F

ClientSampled :

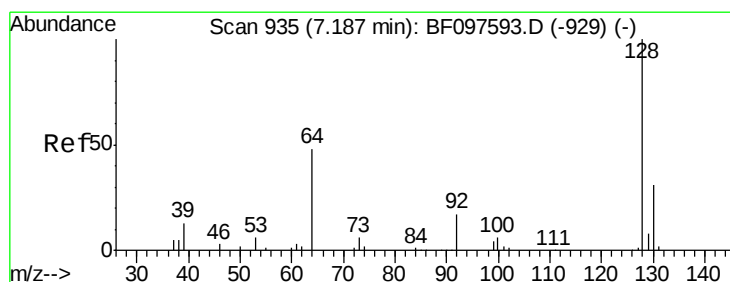
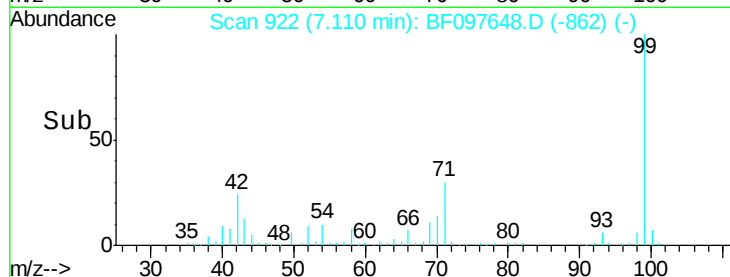
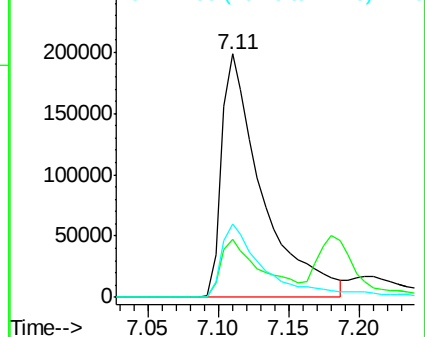
VE-4-11MS

Tot Ion: 99 Resp: 397325

Ion	Ratio	Lower	Upper
99	100		
42	24.0	13.5	20.3#
71	30.2	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: 35.65 ng

RT: 7.21 min Scan# 939

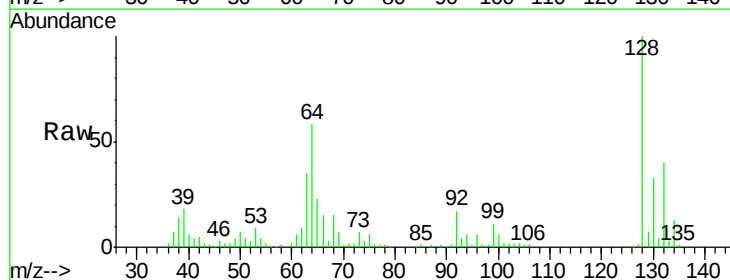
Delta R.T. 0.02 min

Lab File: BF097648.D

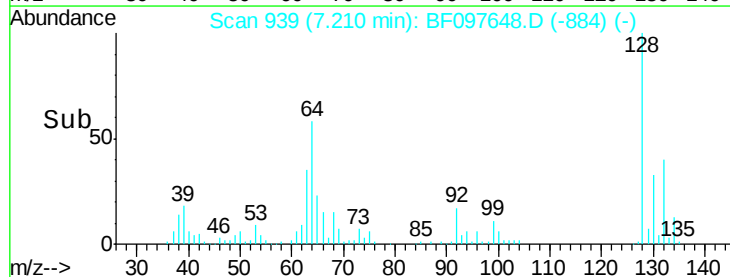
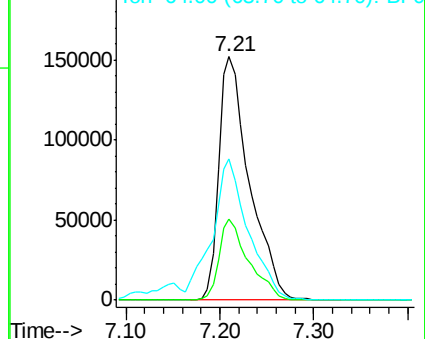
Acq: 12 Aug 2017 22:34

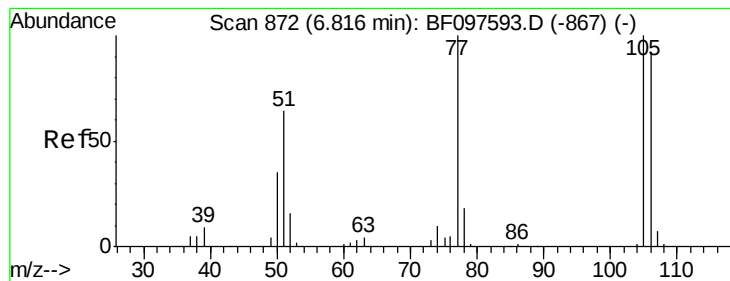
Tgt Ion: 128 Resp: 347119

Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.9	52.9
64	57.9	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: 28.46 ng

RT: 6.82 min Scan# 872

Delta R.T. -0.00 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

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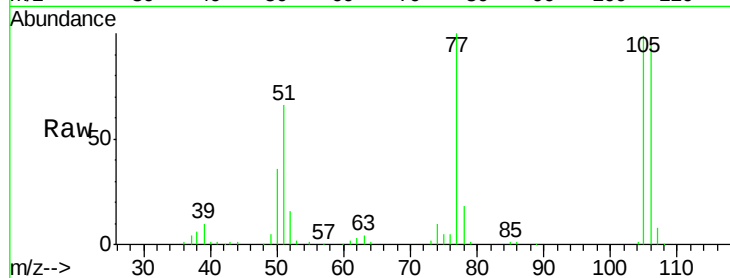
Tot Ion: 77 Resp: 197734

Ion Ratio Lower Upper

77 100

105 98.6 83.8 123.8

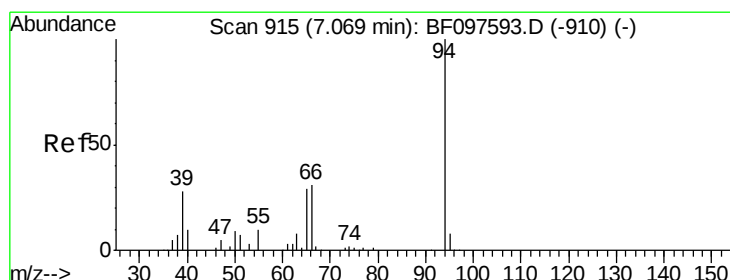
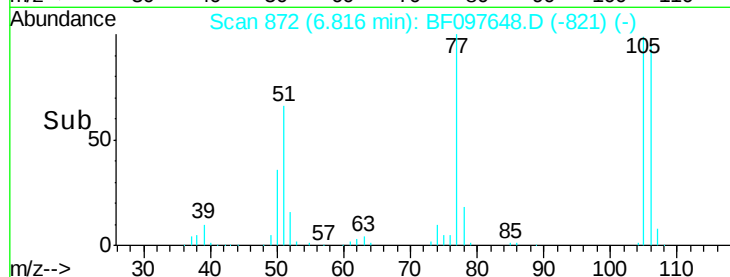
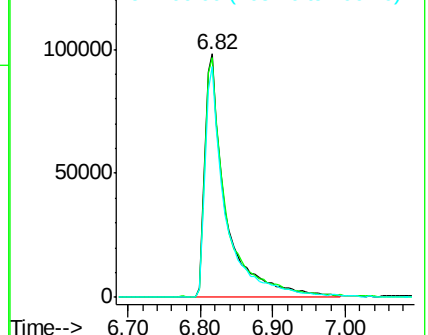
106 94.9 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 15.83 ng

RT: 7.14 min Scan# 927

Delta R.T. 0.07 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

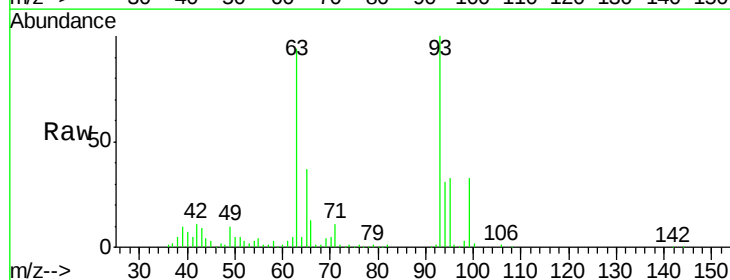
Tgt Ion: 94 Resp: 182562

Ion Ratio Lower Upper

94 100

65 116.4 9.9 49.9#

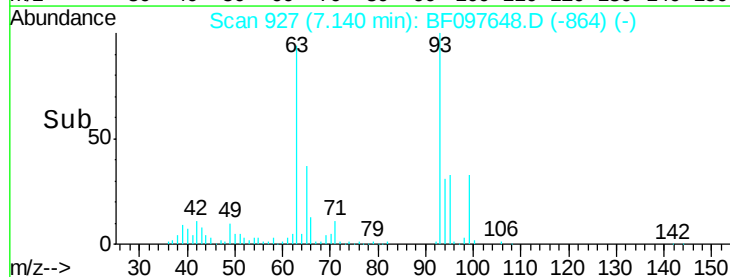
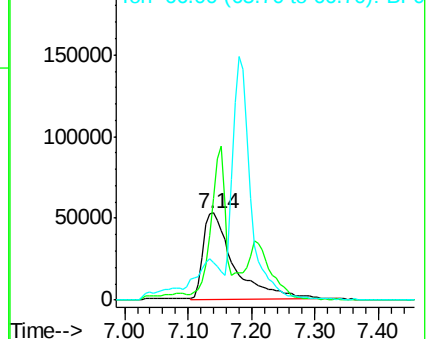
66 42.4 23.1 63.1

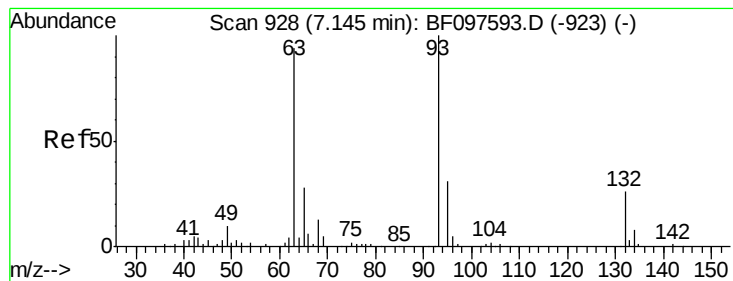


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



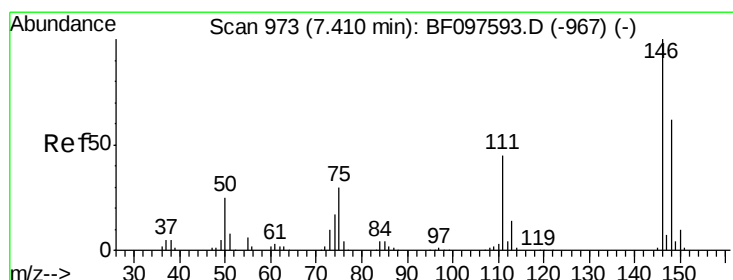
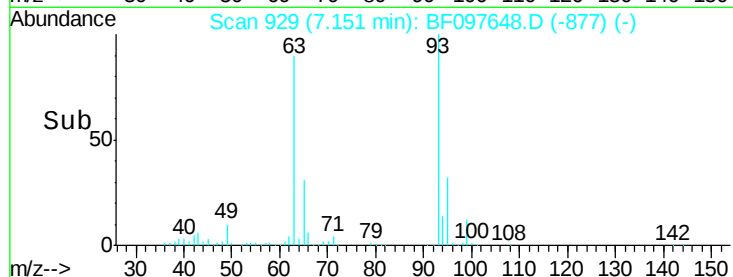
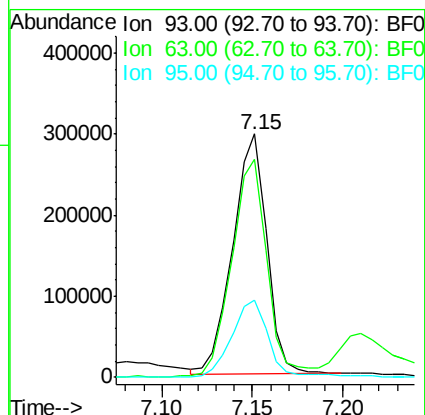
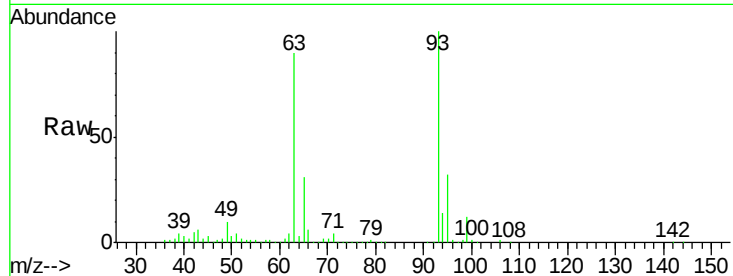


#11

bis(2-Chloroethyl)ether
Concen: 41.91 ng
RT: 7.15 min Scan# 929
Delta R.T. 0.01 min
Lab File: BF097648.D
Acq: 12 Aug 2017 22:34

Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

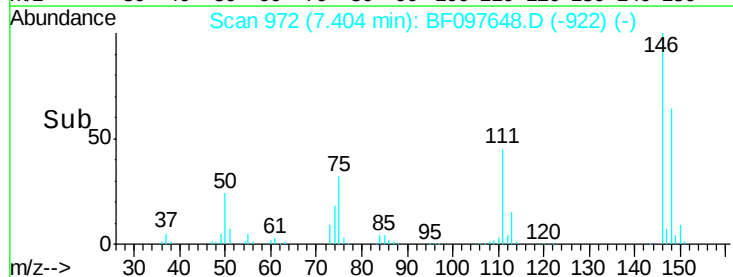
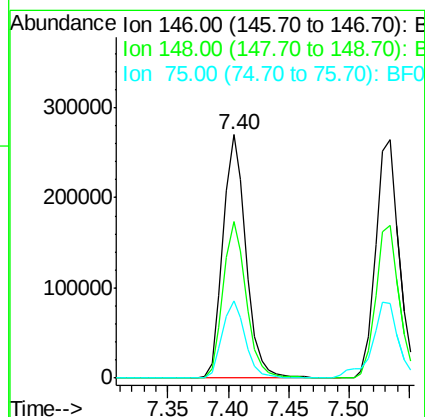
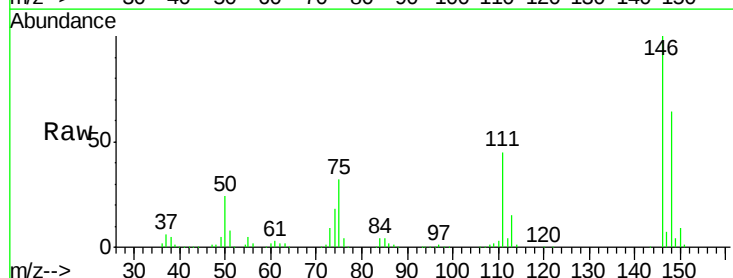
Tot Ion	Ratio	Lower	Upper
93	100		
63	89.8	59.2	99.2
95	32.0	12.8	52.8

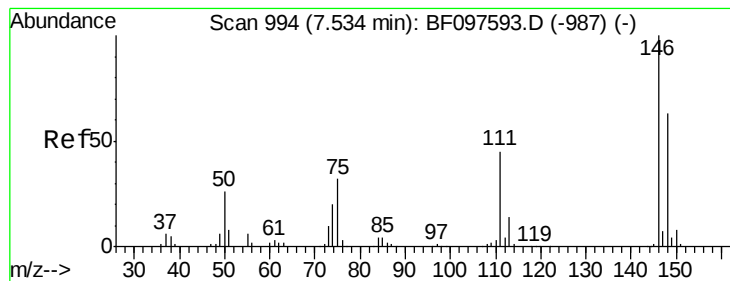


#12

1,3-Dichlorobenzene
Concen: 32.65 ng
RT: 7.40 min Scan# 972
Delta R.T. -0.01 min
Lab File: BF097648.D
Acq: 12 Aug 2017 22:34

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.8	77.6
75	31.6	23.1	34.7





#13

1,4-Dichlorobenzene

Concen: 32.77 ng

RT: 7.53 min Scan# 994

Delta R.T. 0.00 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

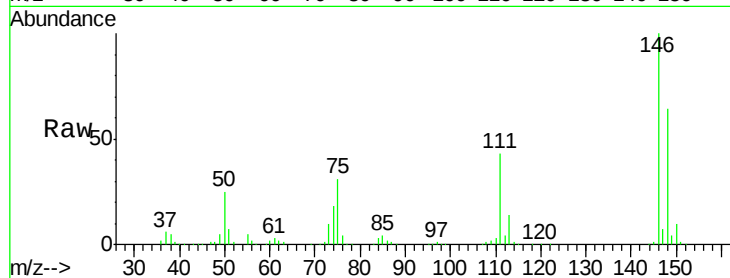
Tot Ion:146 Resp: 363640

Ion Ratio Lower Upper

146 100

148 64.1 52.2 78.2

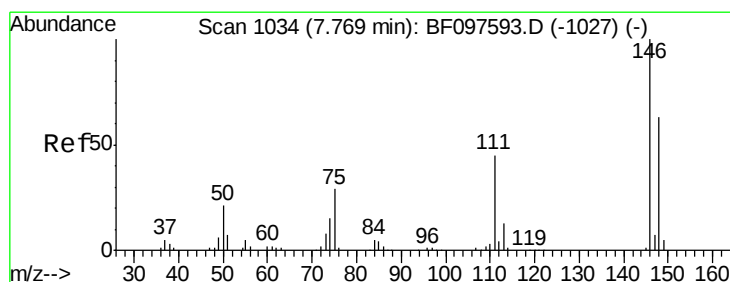
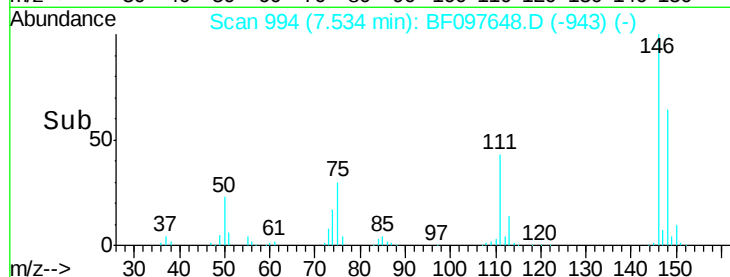
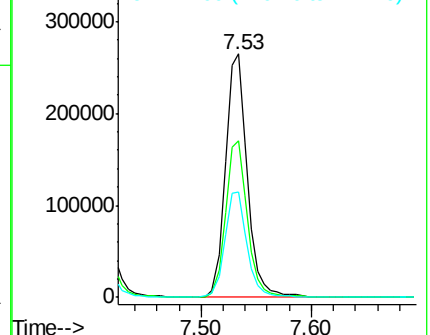
111 43.1 30.3 45.5



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: 34.18 ng

RT: 7.76 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

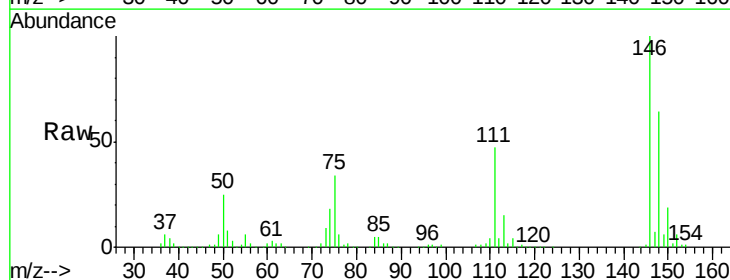
Tgt Ion:146 Resp: 346217

Ion Ratio Lower Upper

146 100

148 64.4 50.4 75.6

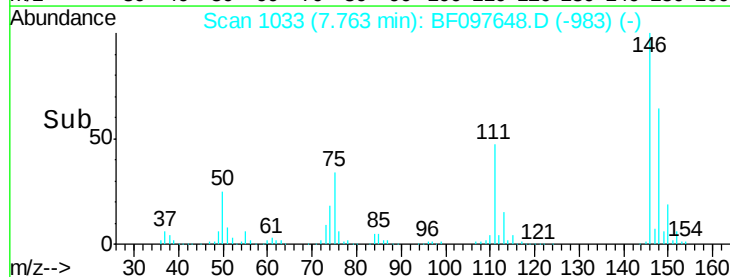
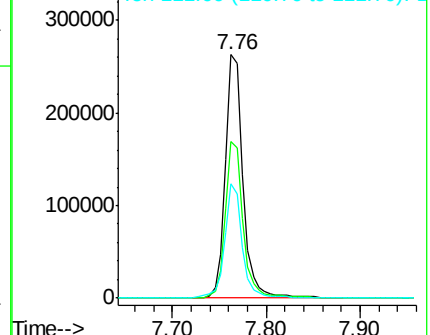
111 47.0 38.2 57.4

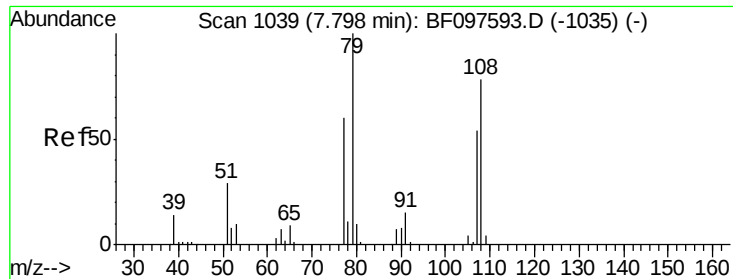


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

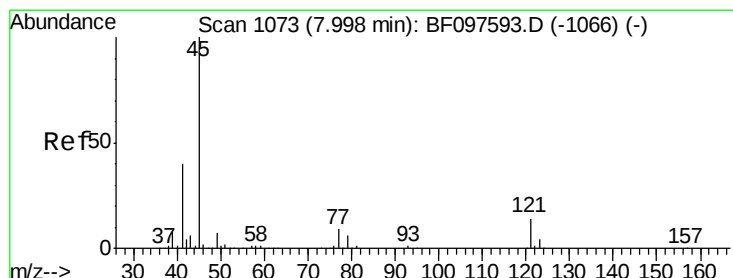
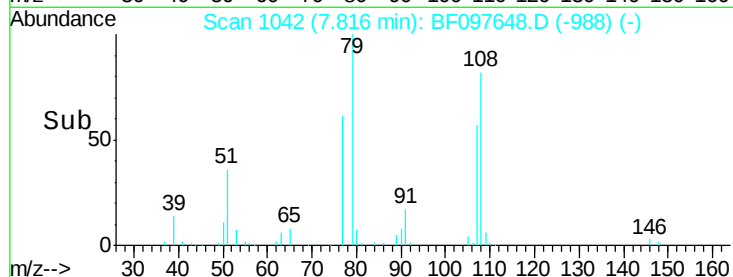
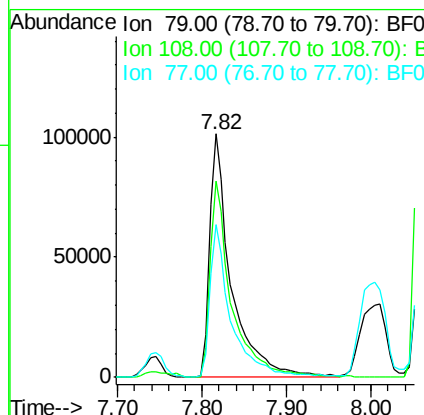
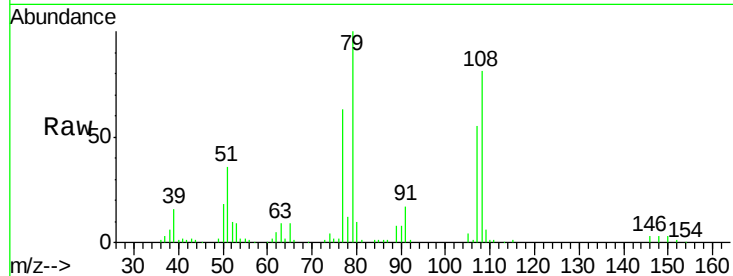




#15
Benzyl Alcohol
Concen: 24.93 ng
RT: 7.82 min Scan# 1042
Delta R.T. 0.02 min
Lab File: BF097648.D
Acq: 12 Aug 2017 22:34

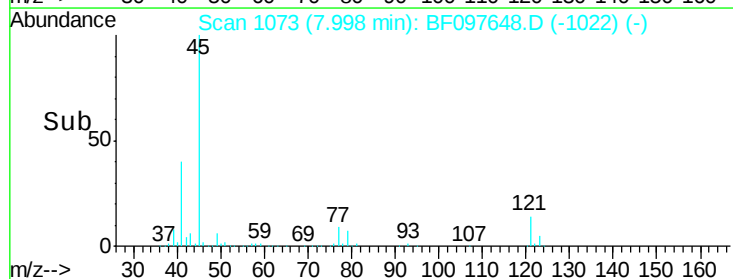
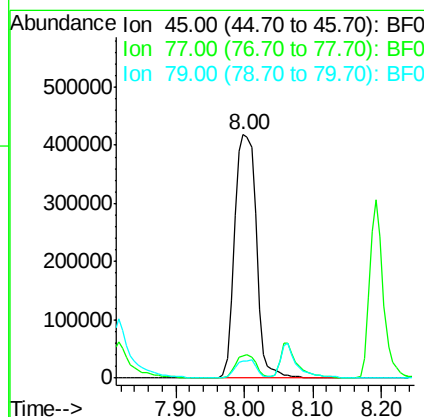
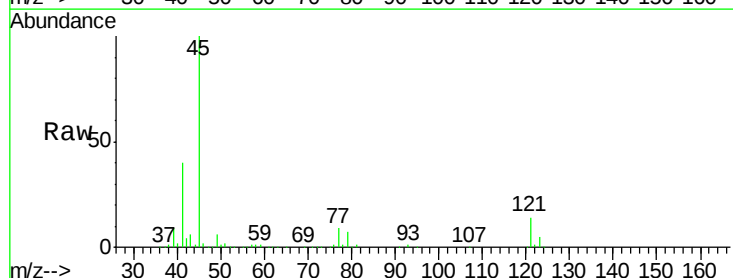
Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

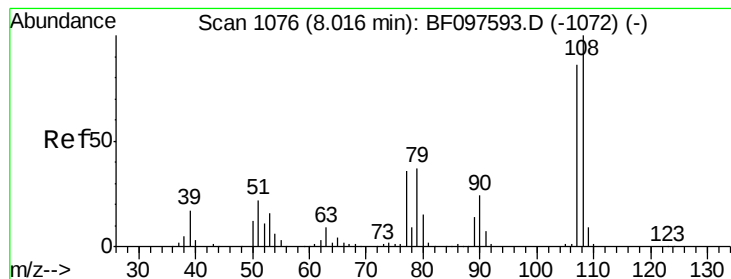
Tot Ion: 79 Resp: 181484
Ion Ratio Lower Upper
79 100
108 80.7 63.4 95.0
77 62.5 49.2 73.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.21 ng
RT: 8.00 min Scan# 1073
Delta R.T. 0.00 min
Lab File: BF097648.D
Acq: 12 Aug 2017 22:34

Tgt Ion: 45 Resp: 918350
Ion Ratio Lower Upper
45 100
77 9.2 0.0 33.2
79 6.8 0.0 30.0





#17

2-Methylphenol

Concen: 32.06 ng

RT: 8.06 min Scan# 1084

Delta R.T. 0.05 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

Tot Ion:107 Resp: 241904

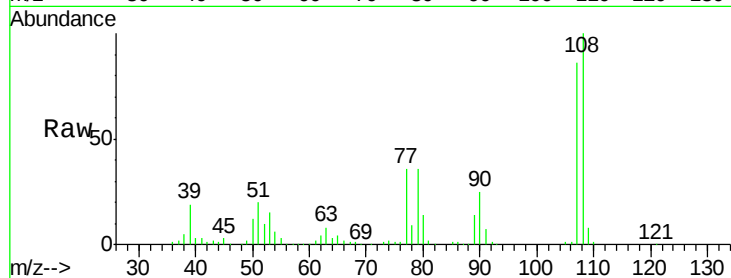
Ion Ratio Lower Upper

107 100

108 116.8 93.4 140.0

77 42.2 35.8 53.6

79 42.4 34.8 52.2

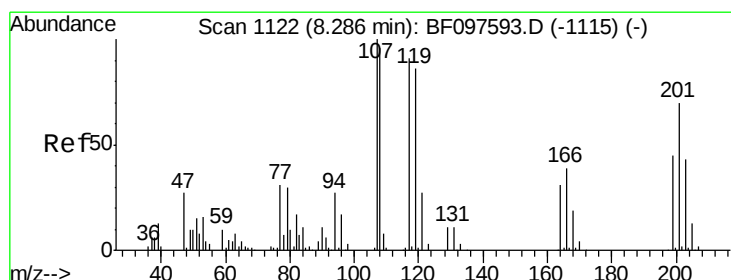
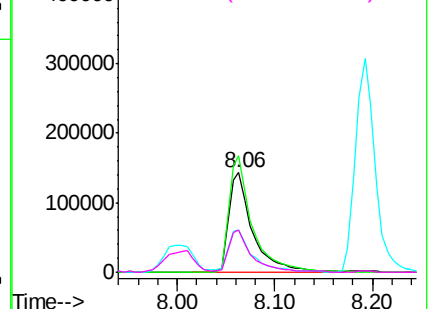
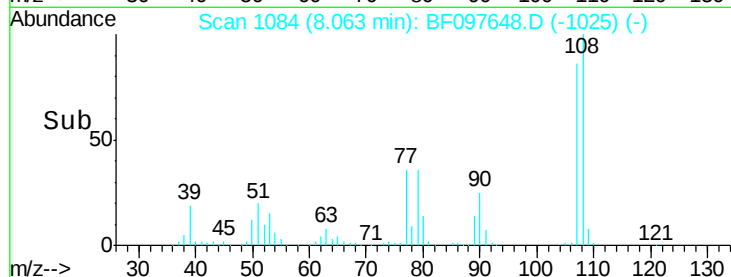


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 33.69 ng

RT: 8.28 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

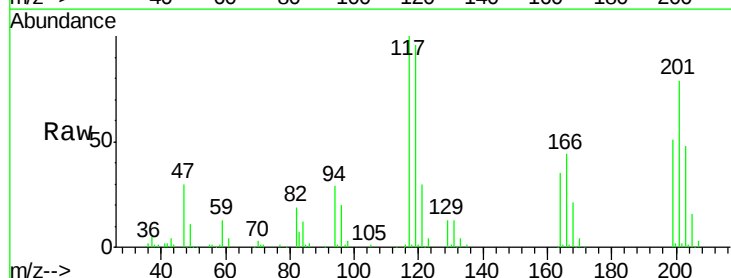
Tgt Ion:117 Resp: 127942

Ion Ratio Lower Upper

117 100

119 95.5 77.4 116.0

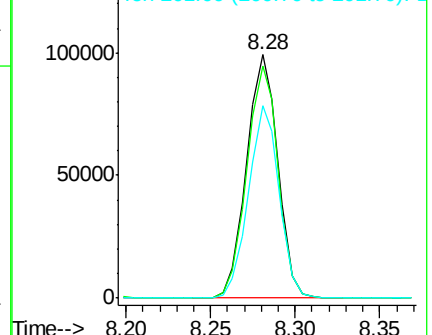
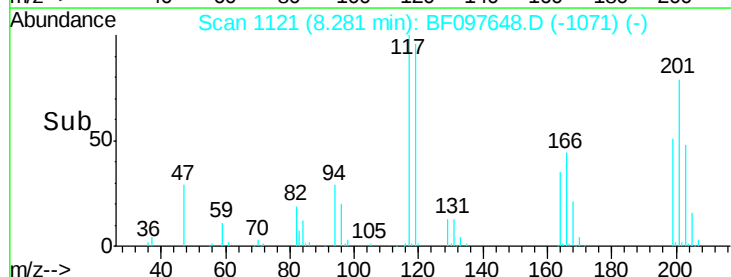
201 79.2 94.6 141.8#

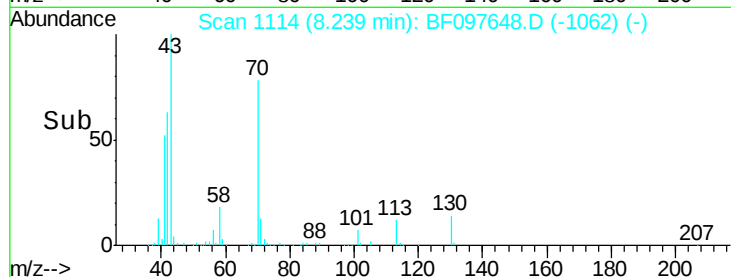
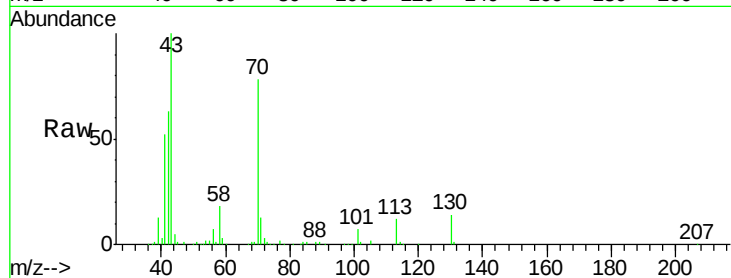
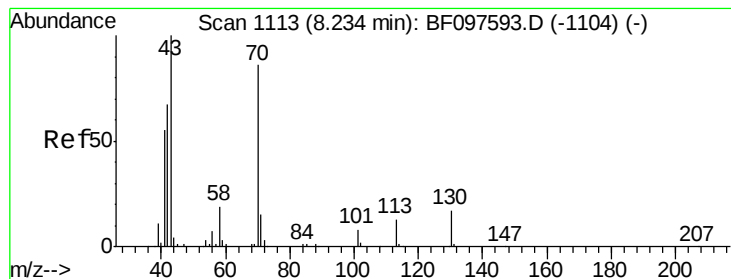


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 43.13 ng

RT: 8.24 min Scan# 1114

Delta R.T. 0.01 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

Tot Ion: 70 Resp: 316091

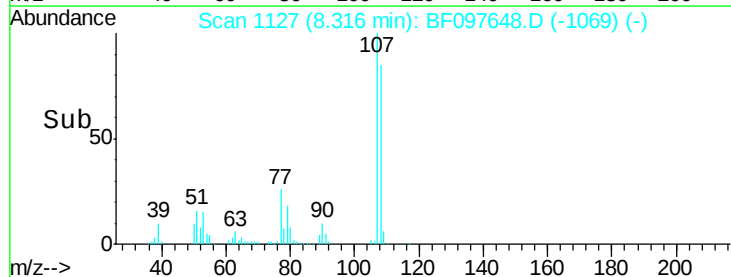
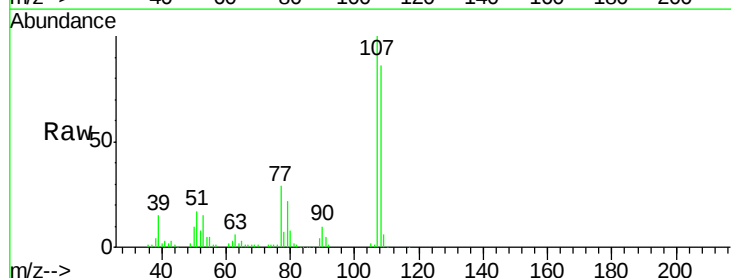
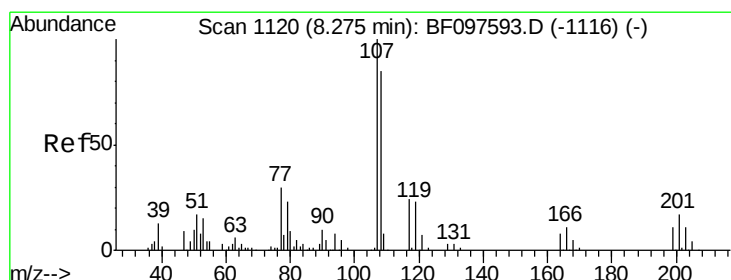
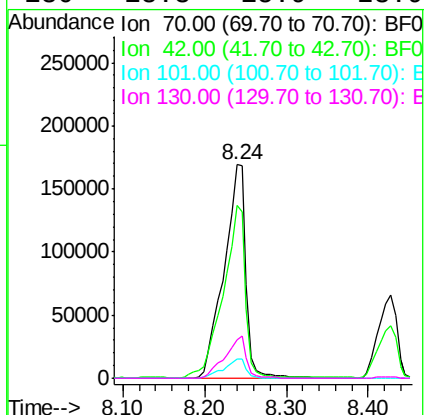
Ion Ratio Lower Upper

70 100

42 80.8 47.2 70.8#

101 8.7 7.2 10.8

130 18.3 15.9 23.9



#20

3+4-Methylphenols

Concen: 29.86 ng

RT: 8.32 min Scan# 1127

Delta R.T. 0.04 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

Tgt Ion: 107 Resp: 275900

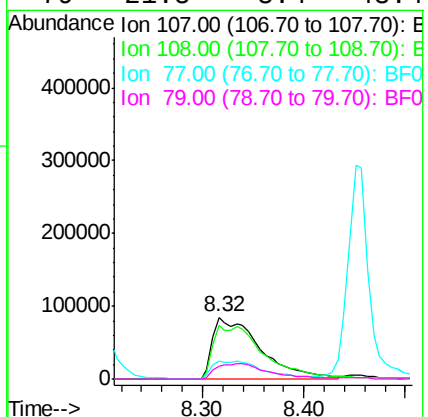
Ion Ratio Lower Upper

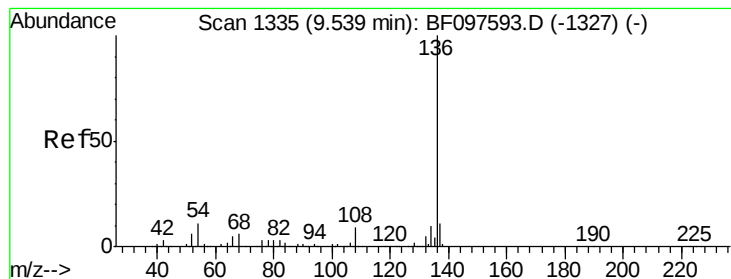
107 100

108 85.7 71.0 111.0

77 29.3 90.5 130.5#

79 21.5 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: BF097648.D

Acq: 12 Aug 2017 22:34

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

Tot Ion:136 Resp: 556852

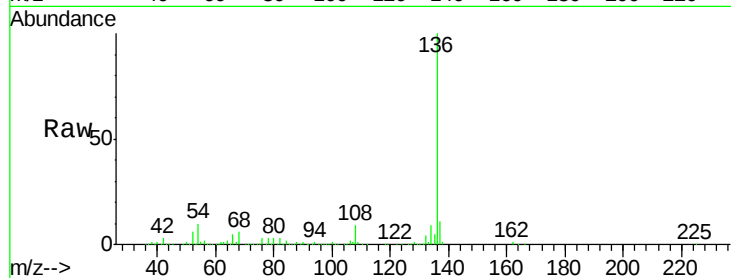
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 10.3 4.9 7.3#

68 5.9 4.1 6.1

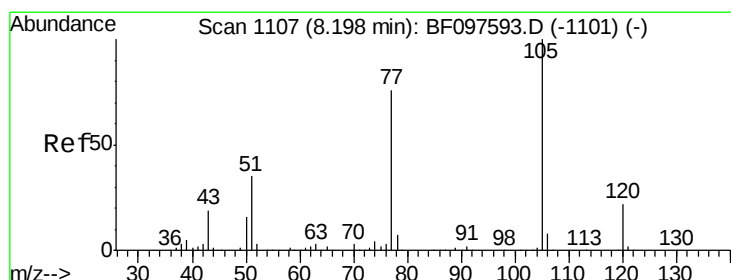
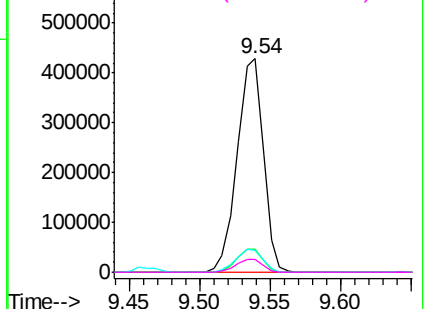
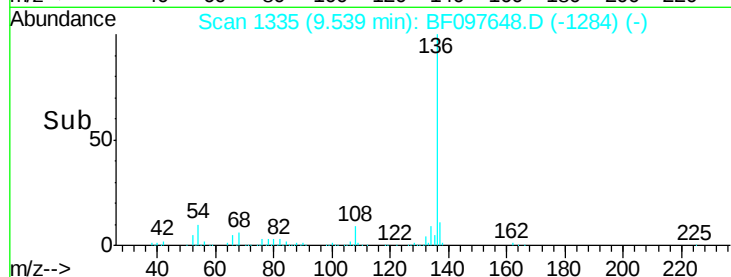


Abundance Ion 136.00 (135.70 to 136.70): E

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: 42.94 ng

RT: 8.19 min Scan# 1106

Delta R.T. -0.01 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

Tgt Ion:105 Resp: 564846

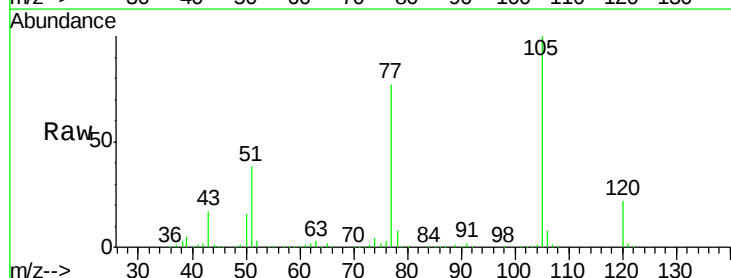
Ion Ratio Lower Upper

105 100

71 0.1 2.8 4.2#

51 37.8 30.7 46.1

120 21.9 17.4 26.0

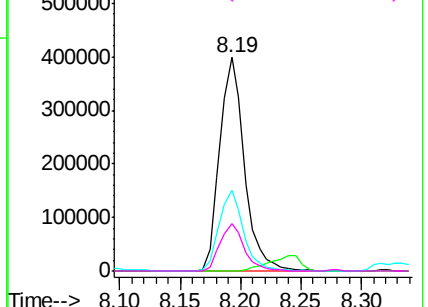
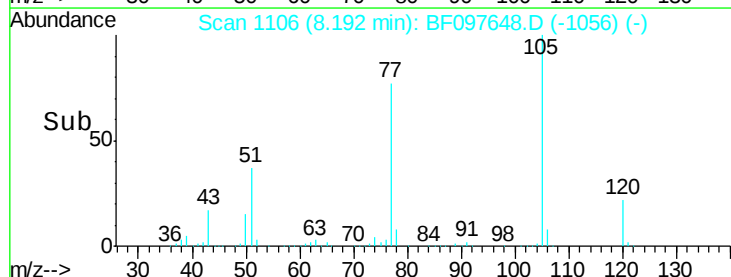


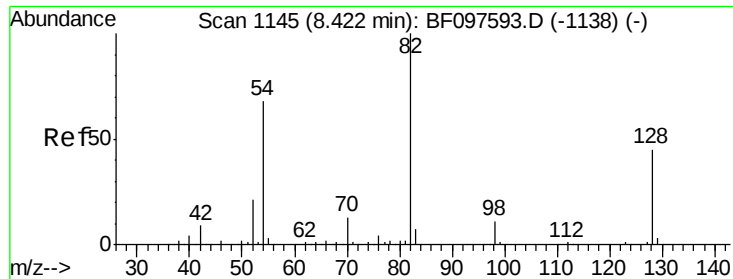
Abundance Ion 105.00 (104.70 to 105.70): E

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

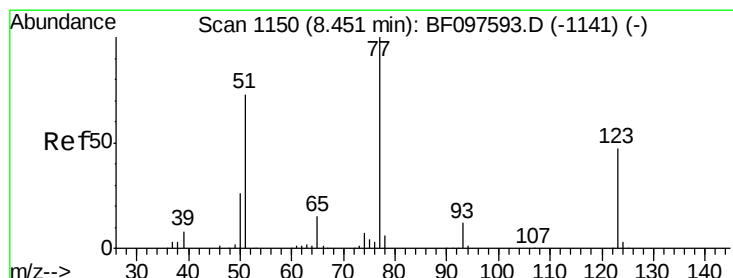
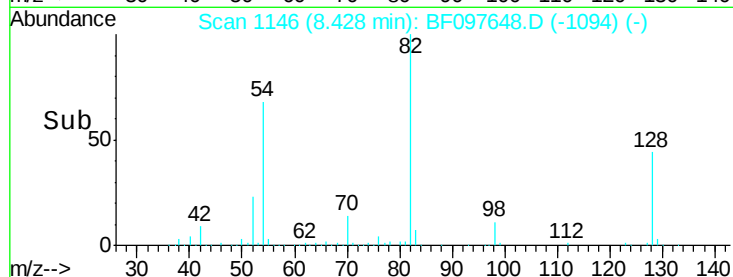
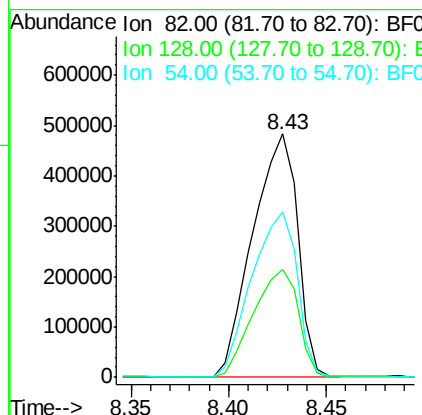
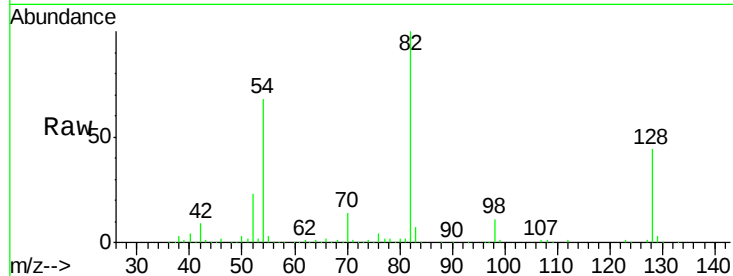




#23
 Nitrobenzene-d5
 Concen: 86.84 ng
 RT: 8.43 min Scan# 1146
 Delta R.T. 0.01 min
 Lab File: BF097648.D
 Acq: 12 Aug 2017 22:34

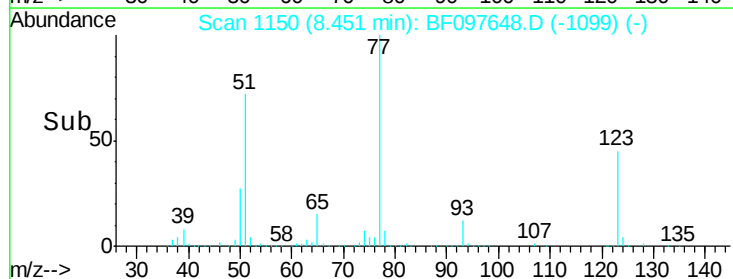
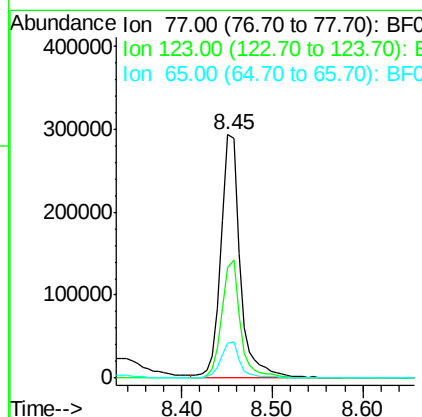
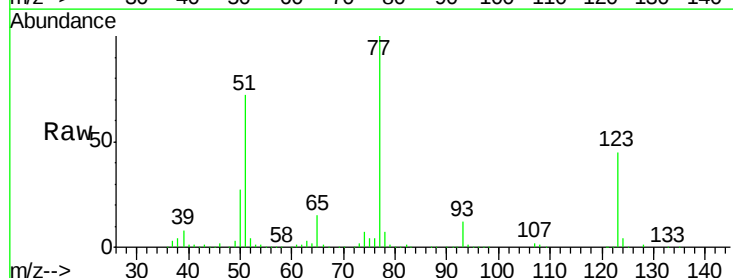
Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MS

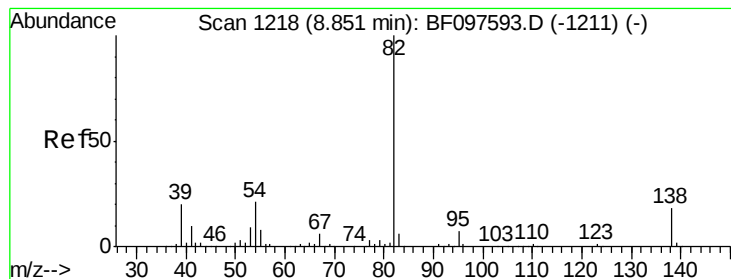
Tot Ion: 82 Resp: 771208
 Ion Ratio Lower Upper
 82 100
 128 44.4 34.0 51.0
 54 68.2 42.2 63.2#



#24
 Nitrobenzene
 Concen: 44.25 ng
 RT: 8.45 min Scan# 1150
 Delta R.T. 0.00 min
 Lab File: BF097648.D
 Acq: 12 Aug 2017 22:34

Tgt Ion: 77 Resp: 428220
 Ion Ratio Lower Upper
 77 100
 123 45.2 35.8 53.8
 65 14.6 10.6 15.8





#25

Isophorone

Concen: 45.55 ng

RT: 8.86 min Scan# 1220

Delta R.T. 0.01 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

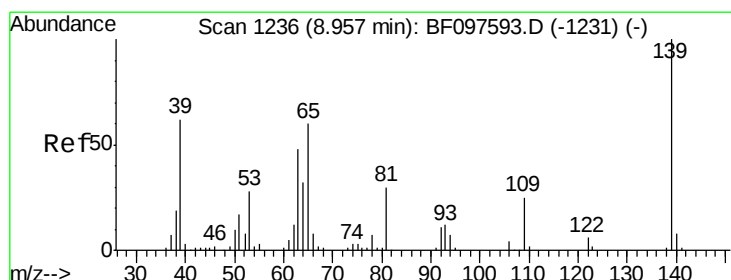
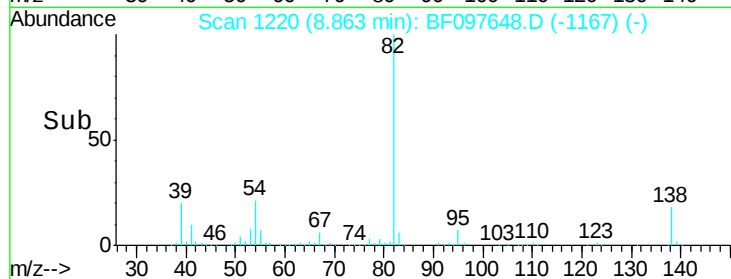
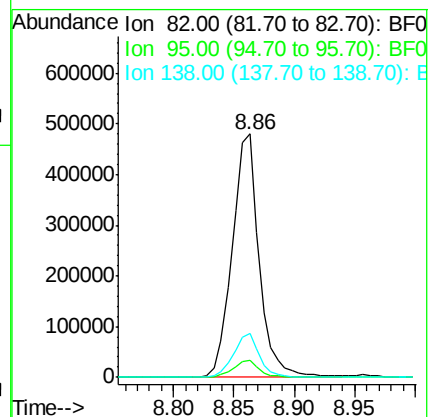
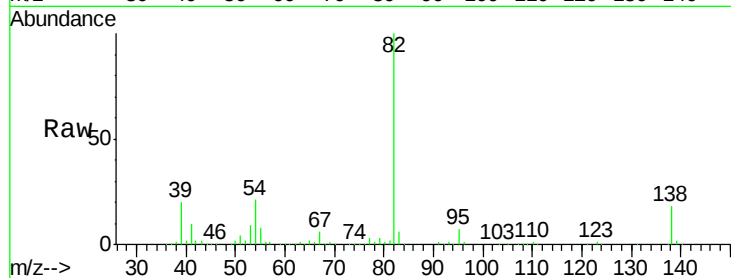
Tot Ion: 82 Resp: 745146

Ion Ratio Lower Upper

82 100

95 6.9 5.3 7.9

138 17.9 13.1 19.7



#26

2-Nitrophenol

Concen: 44.16 ng

RT: 8.96 min Scan# 1237

Delta R.T. 0.01 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

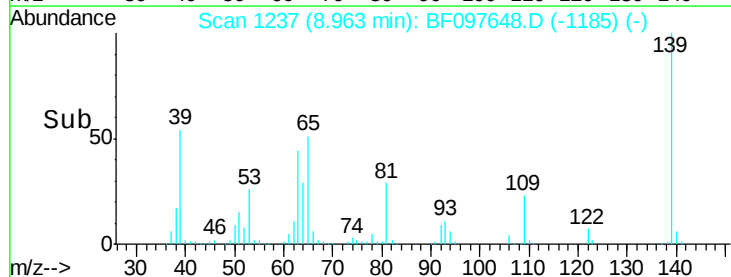
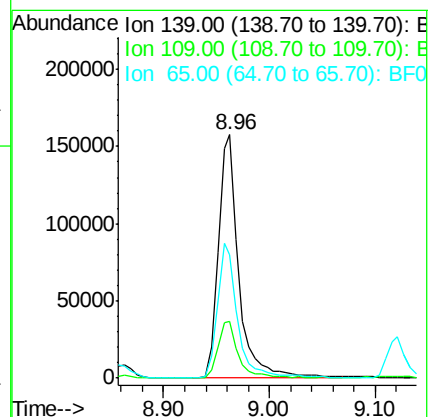
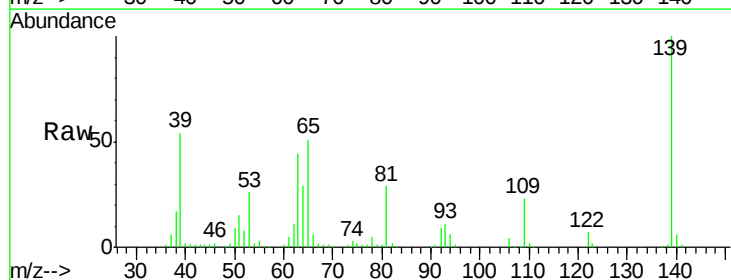
Tgt Ion: 139 Resp: 216164

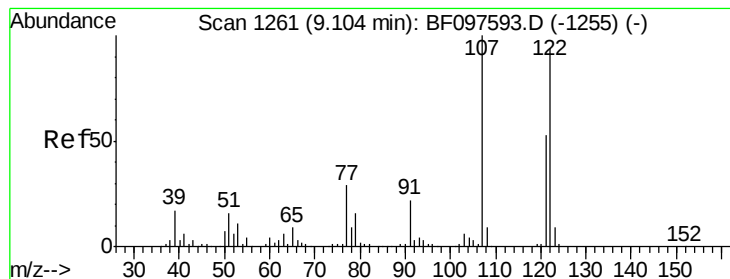
Ion Ratio Lower Upper

139 100

109 23.4 21.0 31.6

65 50.8 33.0 49.6#





#27

2,4-Dimethylphenol

Concen: 39.46 ng

RT: 9.12 min Scan# 1264

Delta R.T. 0.02 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

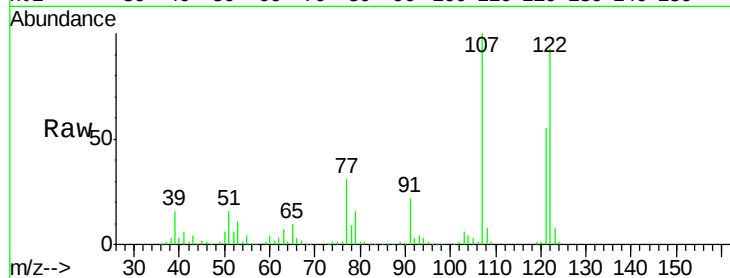
Tot Ion:122 Resp: 322071

Ion Ratio Lower Upper

122 100

107 107.9 89.2 133.8

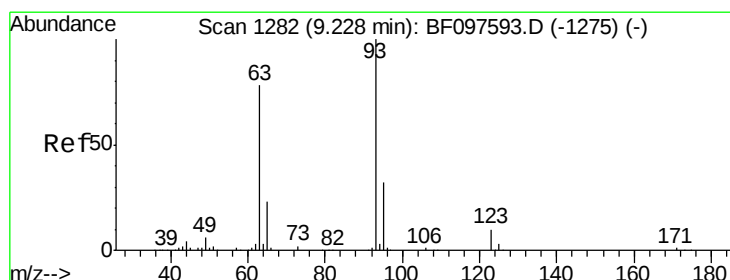
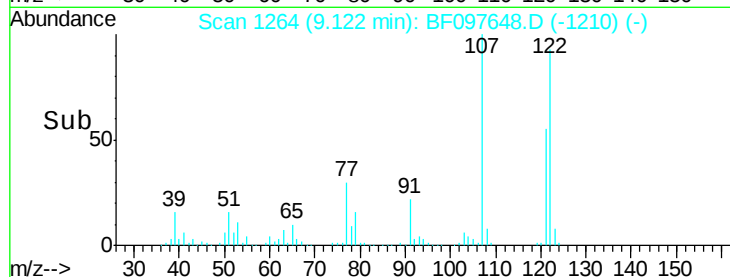
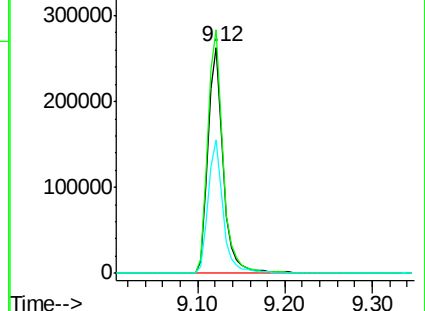
121 59.1 45.2 67.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 43.34 ng

RT: 9.23 min Scan# 1283

Delta R.T. 0.01 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

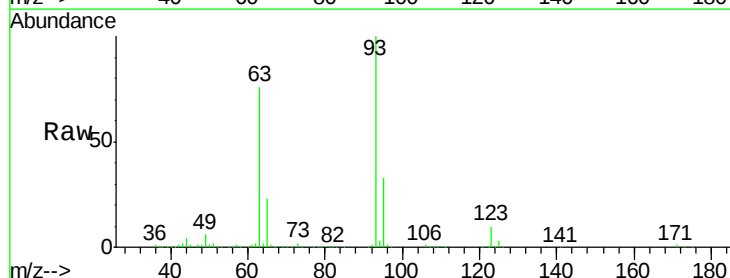
Tgt Ion: 93 Resp: 512343

Ion Ratio Lower Upper

93 100

95 32.6 26.5 39.7

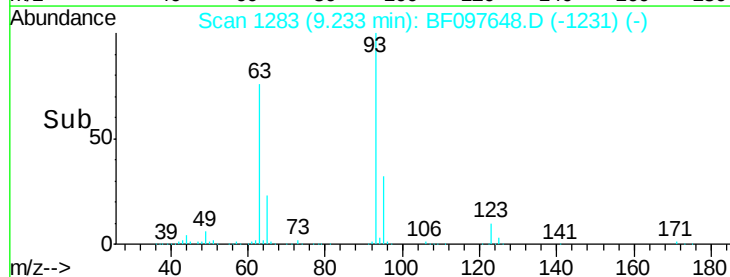
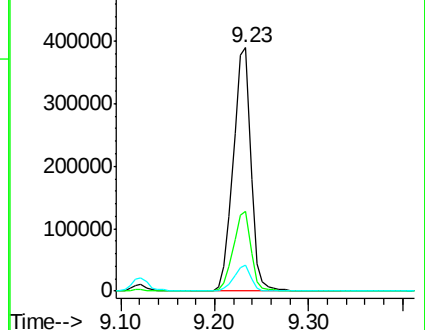
123 10.4 9.0 13.4

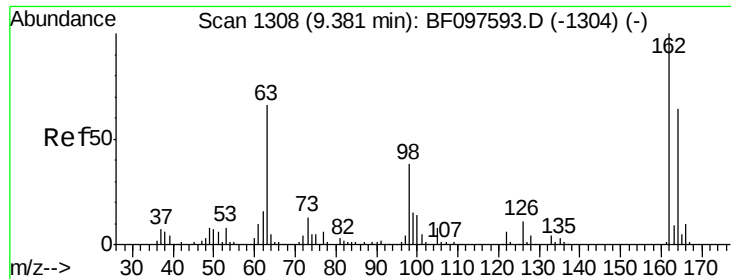


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

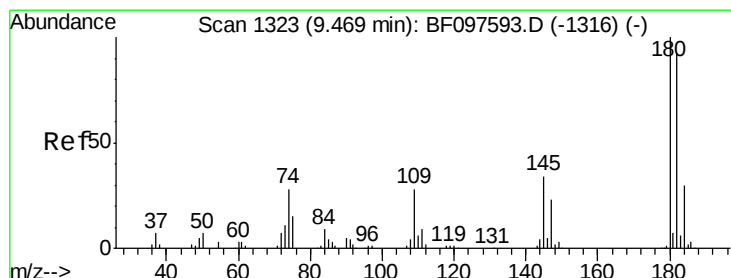
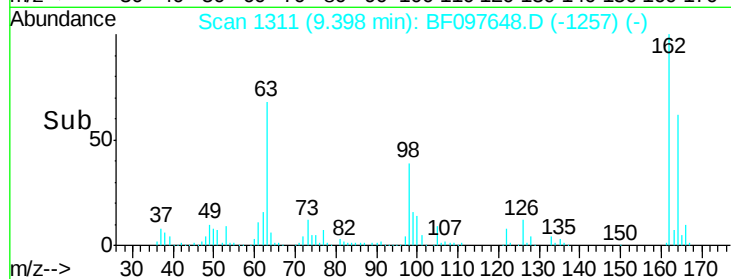
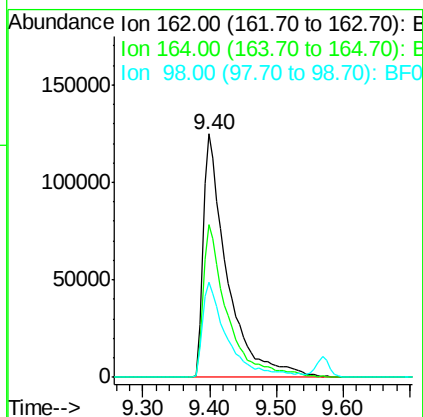
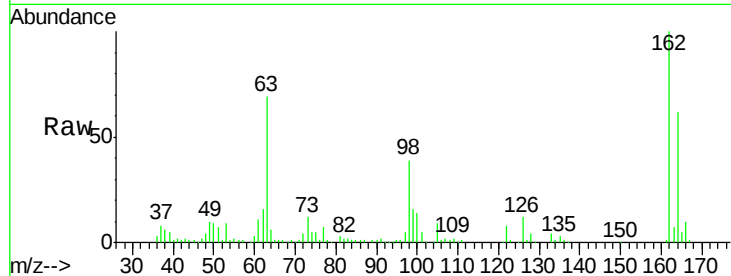




#29
 2,4-Dichlorophenol
 Concen: 42.93 ng
 RT: 9.40 min Scan# 1311
 Delta R.T. 0.02 min
 Lab File: BF097648.D
 Acq: 12 Aug 2017 22:34

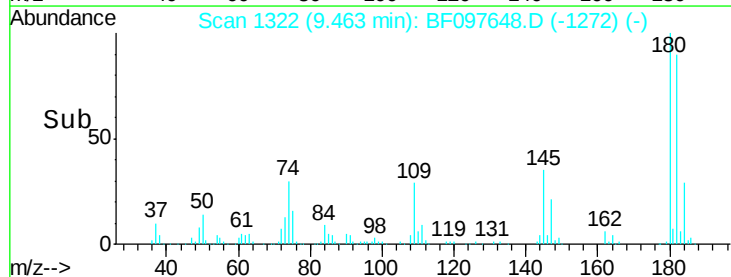
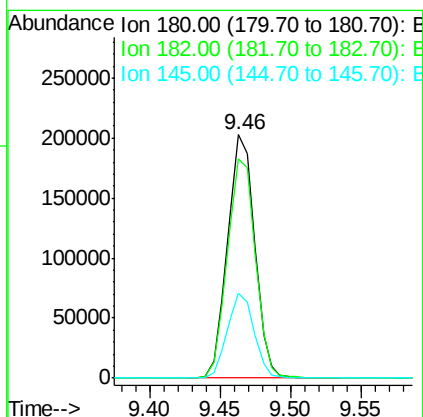
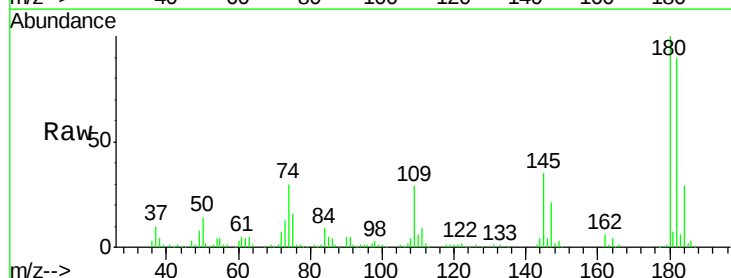
Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MS

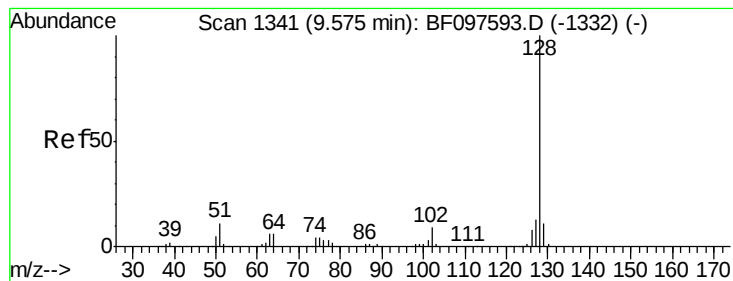
Tot Ion	Ratio	Lower	Upper
162	100		
164	62.5	44.6	84.6
98	38.9	14.8	54.8



#30
 1,2,4-Trichlorobenzene
 Concen: 38.15 ng
 RT: 9.46 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF097648.D
 Acq: 12 Aug 2017 22:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.3	75.8	113.6
145	34.8	25.3	37.9





#31

Naphthalene

Concen: 37.79 ng

RT: 9.57 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

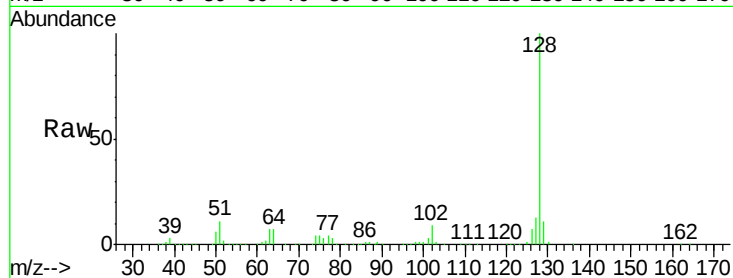
Tot Ion:128 Resp: 1054151

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

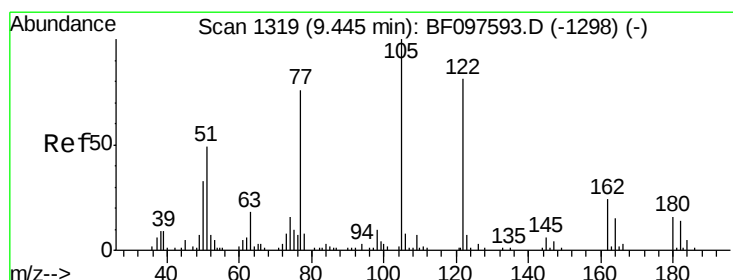
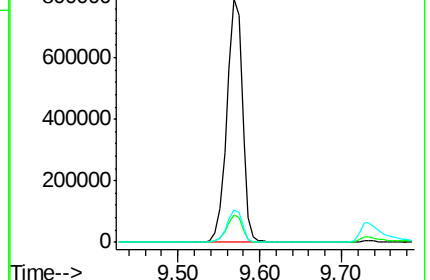
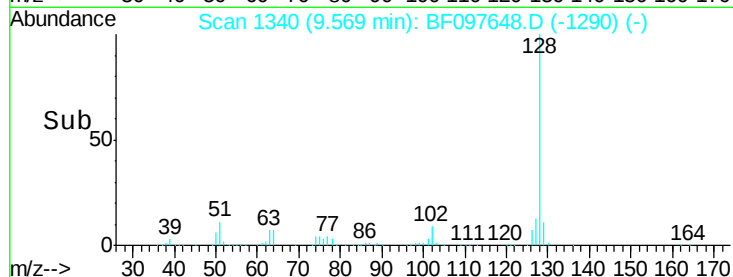
127 13.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 8.69 ng

RT: 9.42 min Scan# 1315

Delta R.T. -0.02 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

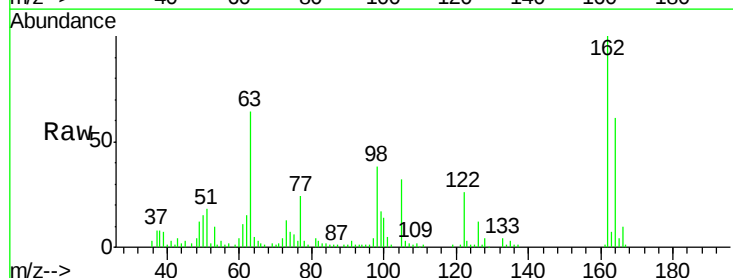
Tgt Ion:122 Resp: 38238

Ion Ratio Lower Upper

122 100

105 121.4 103.3 143.3

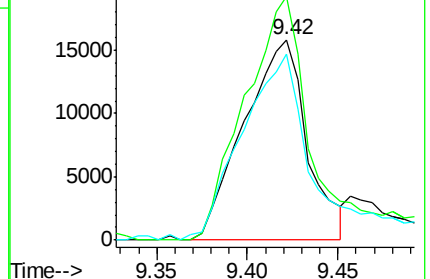
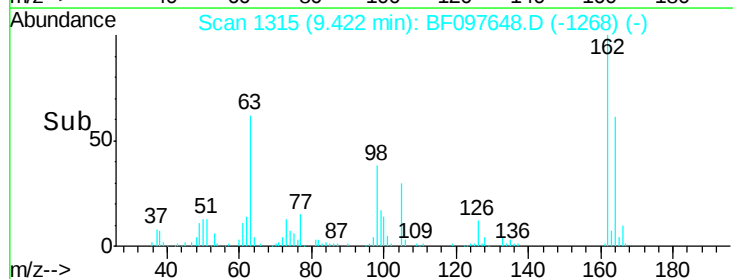
77 92.5 73.7 113.7

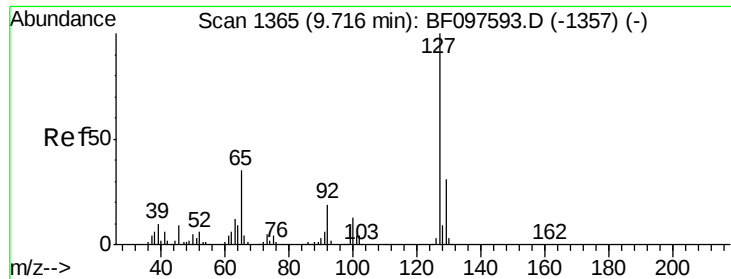


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

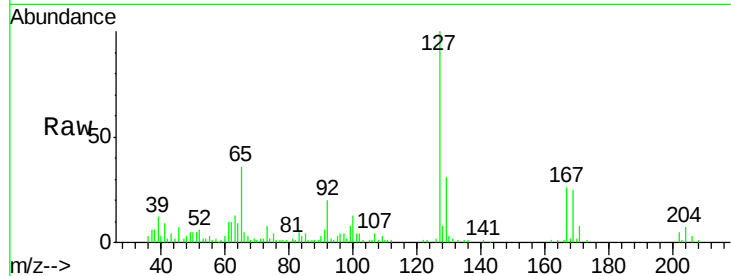




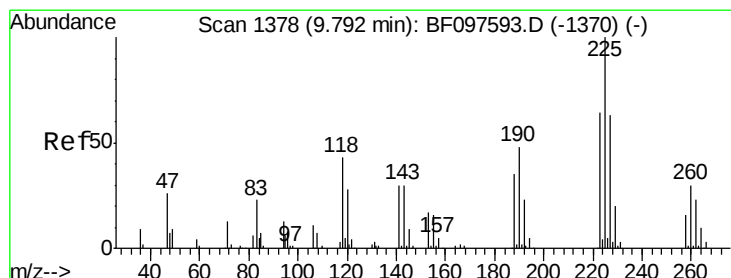
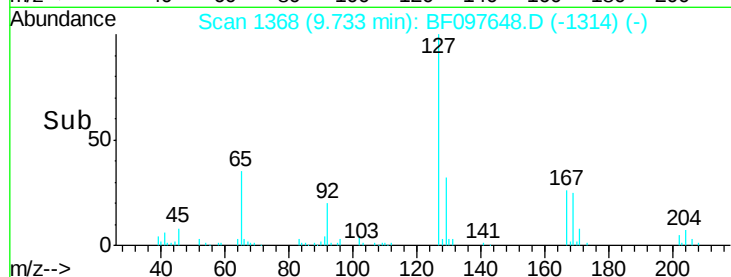
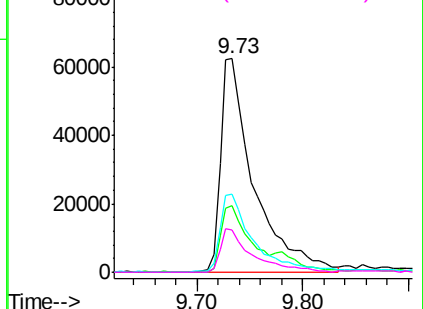
#33
4-Chloroaniline
Concen: 11.81 ng
RT: 9.73 min Scan# 1368
Delta R.T. 0.02 min
Lab File: BF097648.D
Acq: 12 Aug 2017 22:34

Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

Tot Ion:	127	Resp:	136446
Ion	Ratio	Lower	Upper
127	100		
129	31.1	26.2	39.2
65	36.3	27.8	41.8
92	20.0	16.8	25.2

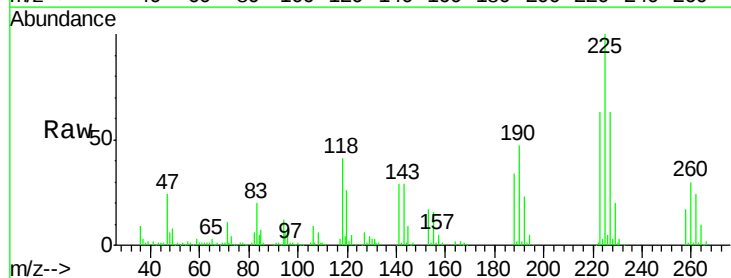


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

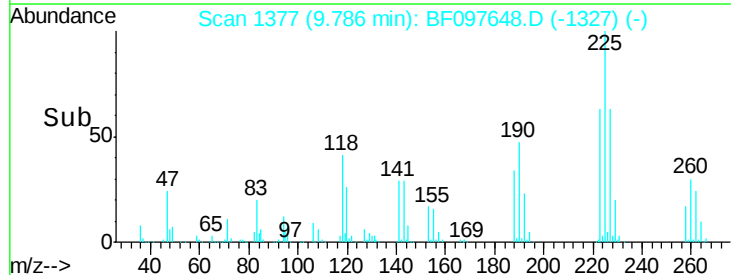
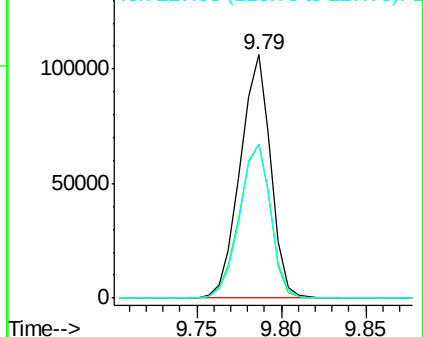


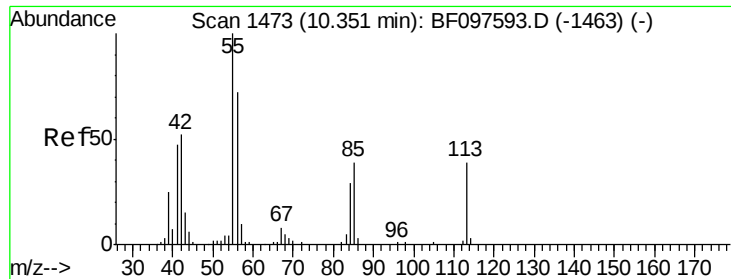
#34
Hexachlorobutadiene
Concen: 34.32 ng
RT: 9.79 min Scan# 1377
Delta R.T. -0.01 min
Lab File: BF097648.D
Acq: 12 Aug 2017 22:34

Tgt Ion:	225	Resp:	133787
Ion	Ratio	Lower	Upper
225	100		
223	63.0	48.8	73.2
227	63.3	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: 5.74 ng

RT: 10.42 min Scan# 1485

Delta R.T. 0.07 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

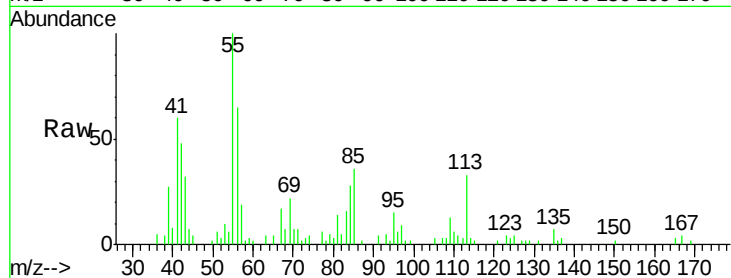
Tot Ion:113 Resp: 13302

Ion Ratio Lower Upper

113 100

55 299.1 150.2 190.2#

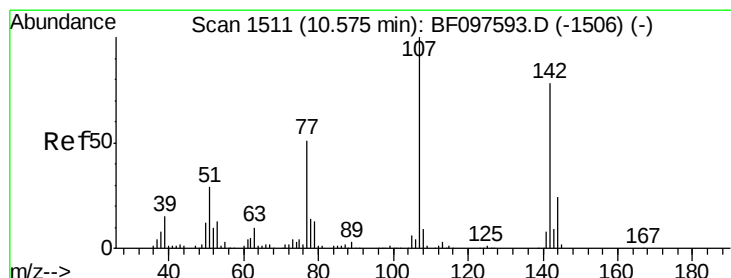
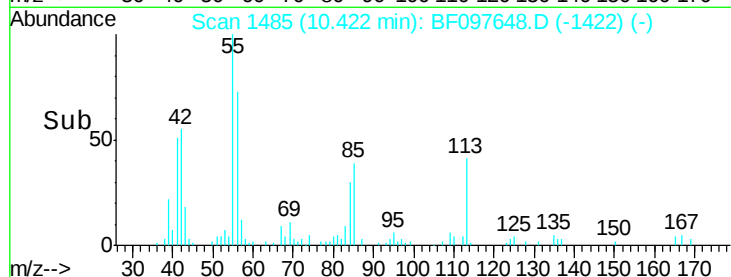
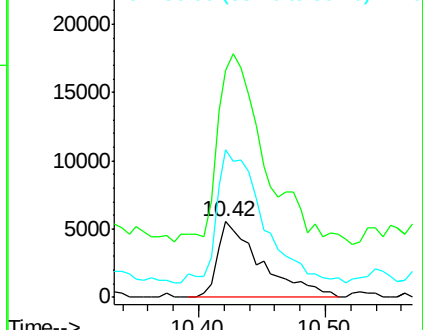
56 195.5 107.8 147.8#



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: 34.82 ng

RT: 10.59 min Scan# 1514

Delta R.T. 0.02 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

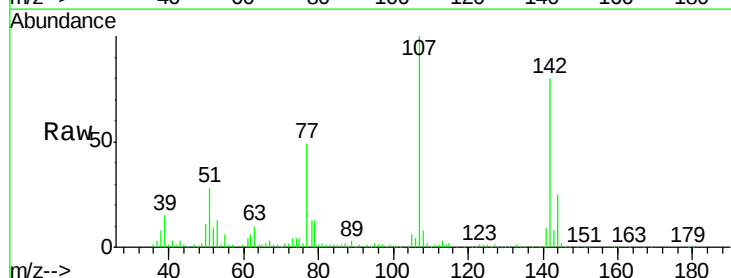
Tgt Ion:107 Resp: 281613

Ion Ratio Lower Upper

107 100

144 25.3 24.2 36.4

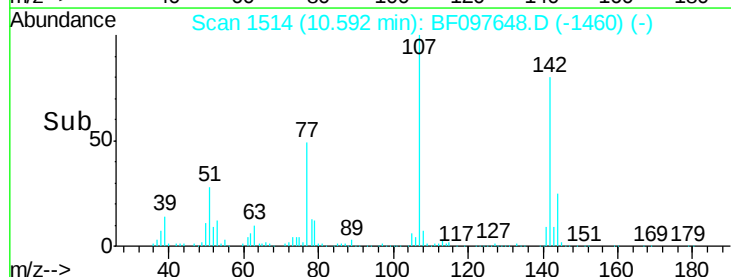
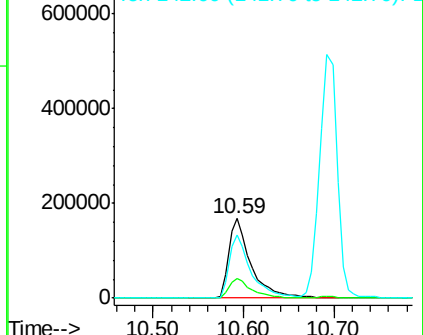
142 80.0 73.4 110.0

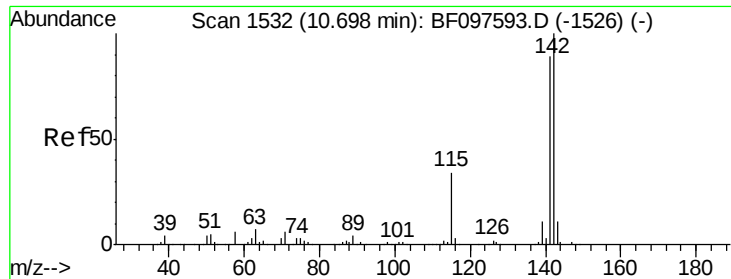


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

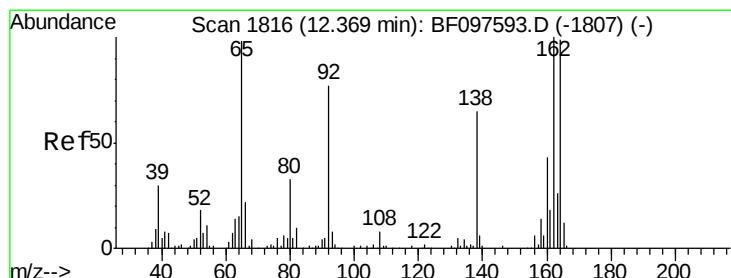
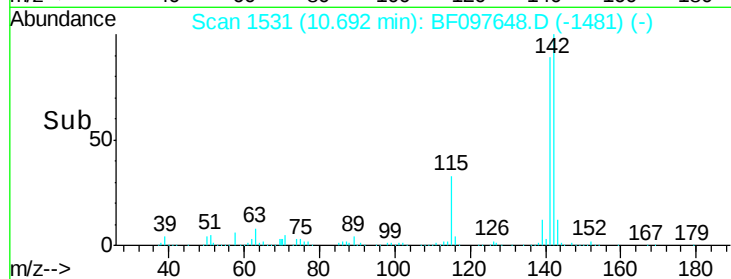
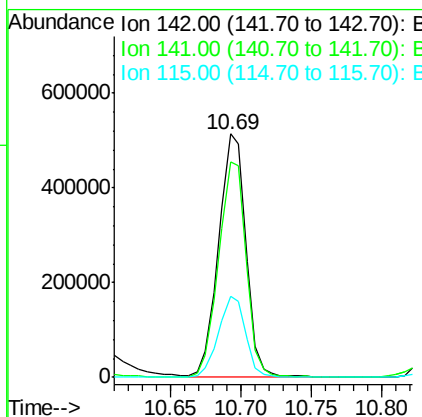
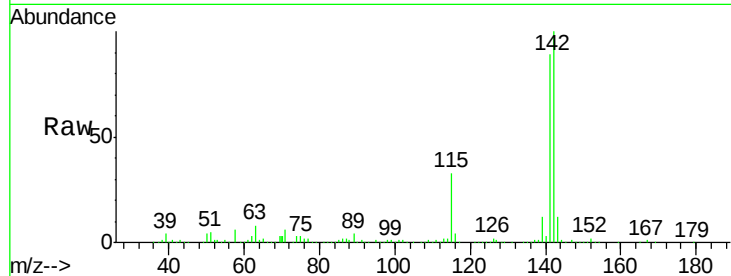




#37
2-Methylnaphthalene
Concen: 39.29 ng
RT: 10.69 min Scan# 1531
Delta R.T. -0.01 min
Lab File: BF097648.D
Acq: 12 Aug 2017 22:34

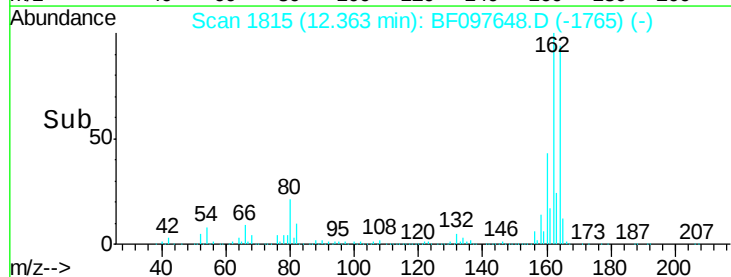
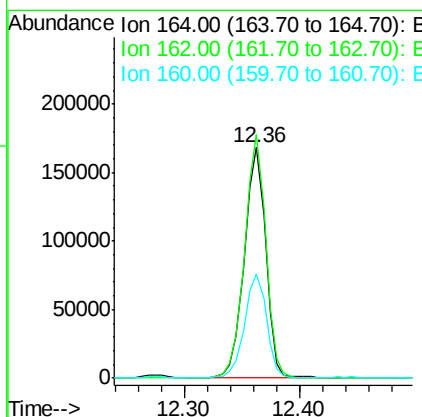
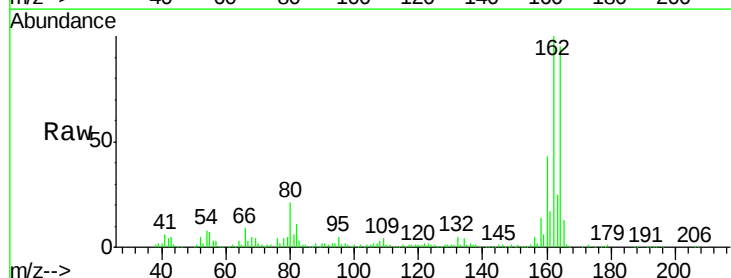
Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

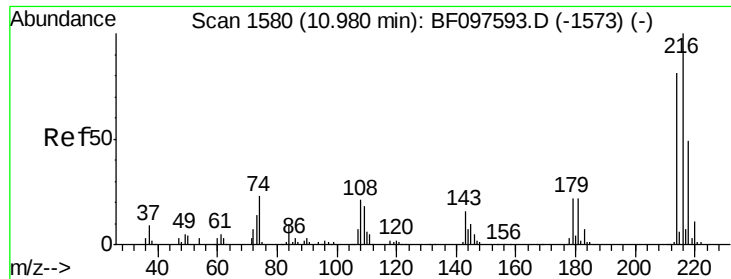
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.3	106.9
115	33.2	27.1	40.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.36 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BF097648.D
Acq: 12 Aug 2017 22:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.5	82.6	123.8
160	45.3	36.2	54.2

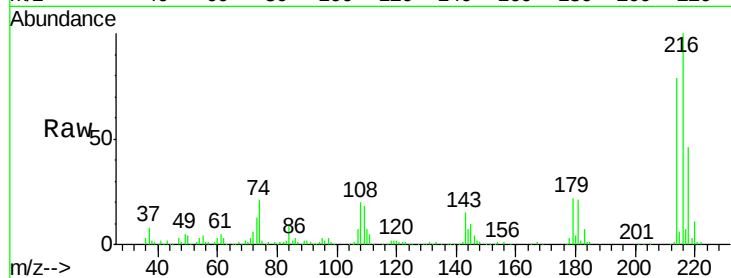




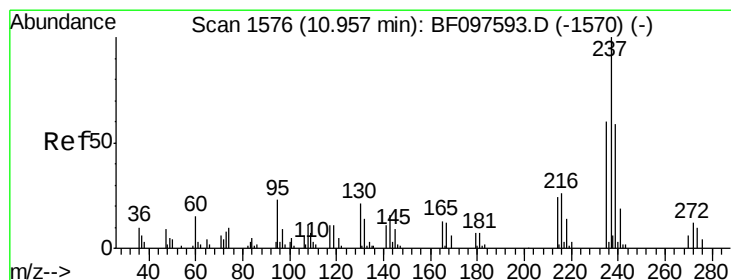
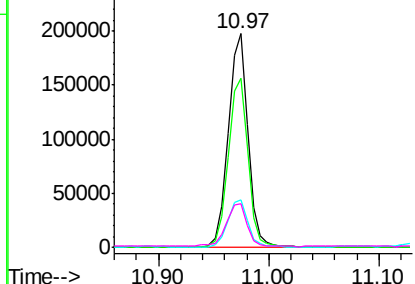
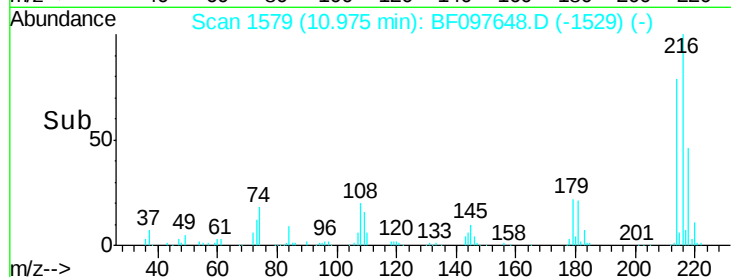
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 40.46 ng
 RT: 10.97 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF097648.D
 Acq: 12 Aug 2017 22:34

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MS

Tot Ion:216	Resp:	247309
Ion Ratio	Lower	Upper
216	100	
214	79.4	63.4 95.2
179	23.1	17.9 26.9
108	21.6	16.5 24.7

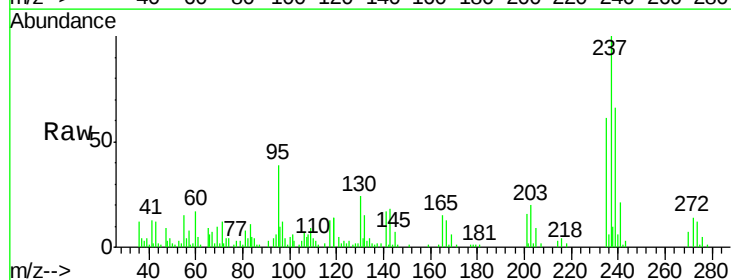


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

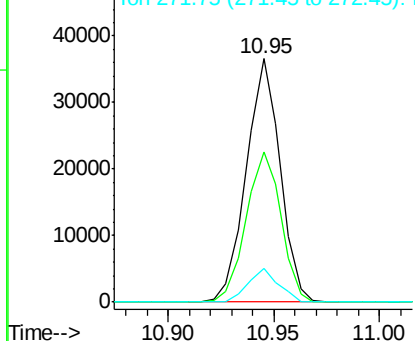
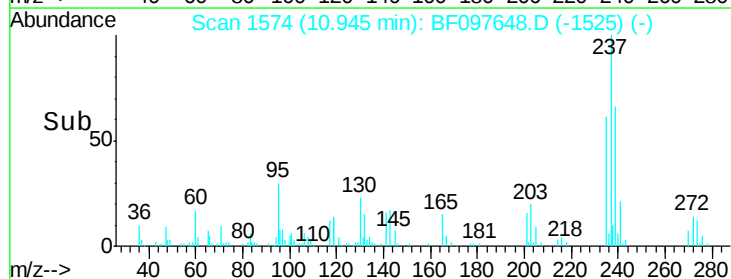


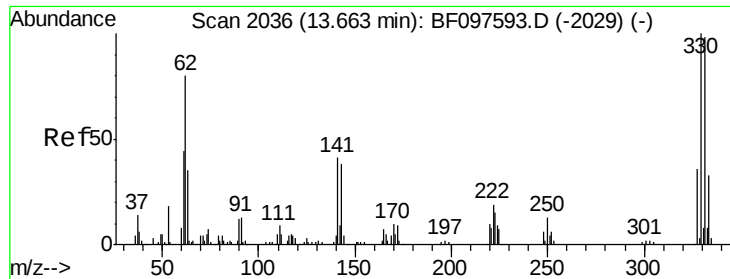
#40
 Hexachlorocyclopentadiene
 Concen: 45.34 ng
 RT: 10.95 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BF097648.D
 Acq: 12 Aug 2017 22:34

Tgt Ion:237	Resp:	40704
Ion Ratio	Lower	Upper
237	100	
235	61.5	42.6 82.6
272	13.6	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

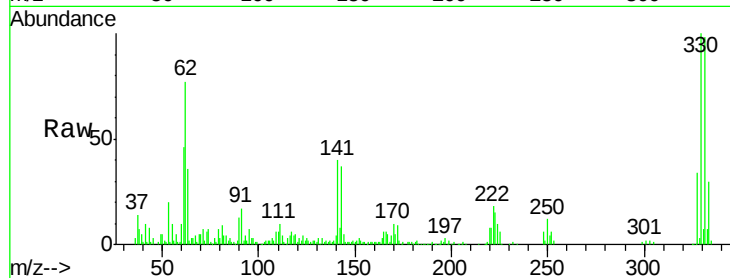




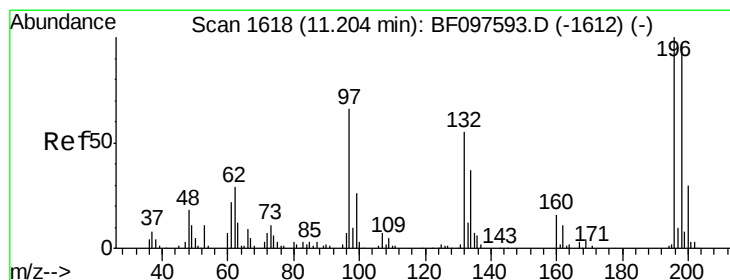
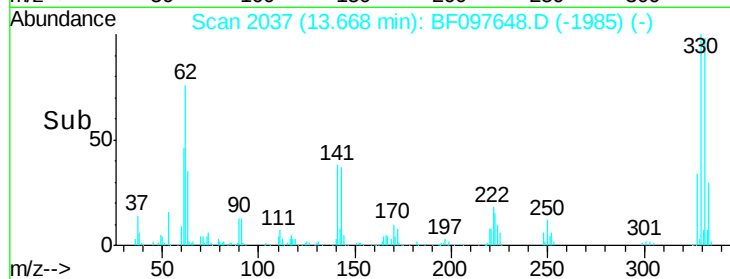
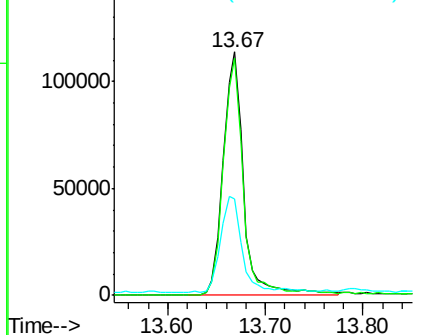
#41
 2,4,6-Tribromophenol
 Concen: 101.47 ng
 RT: 13.67 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: BF097648.D
 Acq: 12 Aug 2017 22:34

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MS

Tot Ion:330 Resp: 166526
 Ion Ratio Lower Upper
 330 100
 332 93.9 76.6 115.0
 141 39.8 31.4 47.2

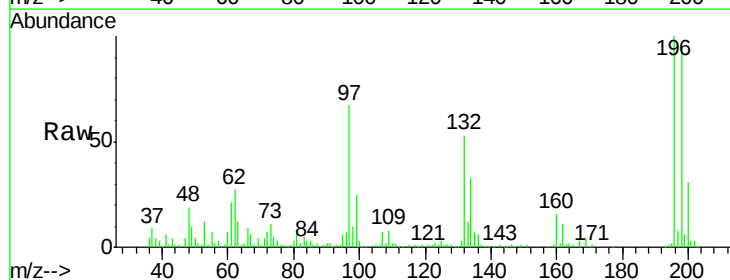


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

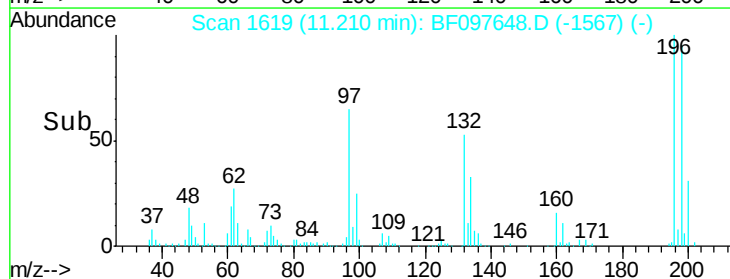
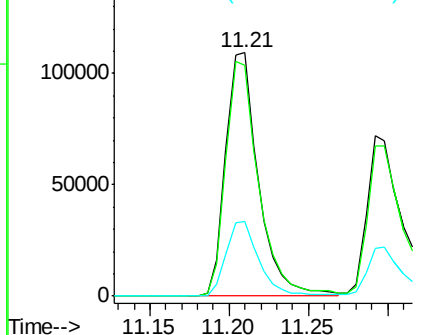


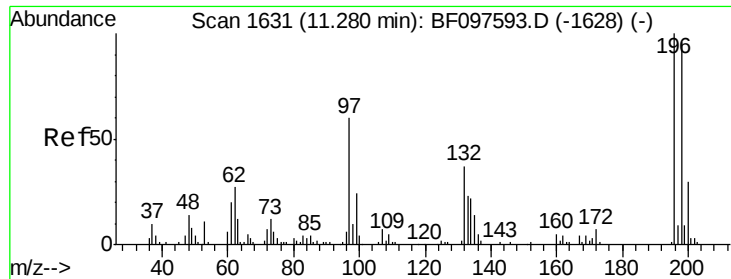
#42
 2,4,6-Trichlorophenol
 Concen: 39.06 ng
 RT: 11.21 min Scan# 1619
 Delta R.T. 0.01 min
 Lab File: BF097648.D
 Acq: 12 Aug 2017 22:34

Tgt Ion:196 Resp: 157301
 Ion Ratio Lower Upper
 196 100
 198 94.8 74.2 111.4
 200 30.6 24.0 36.0



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

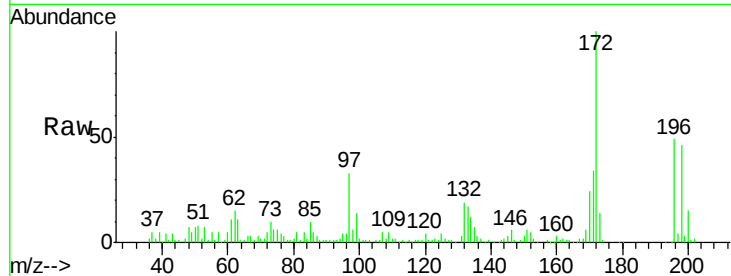




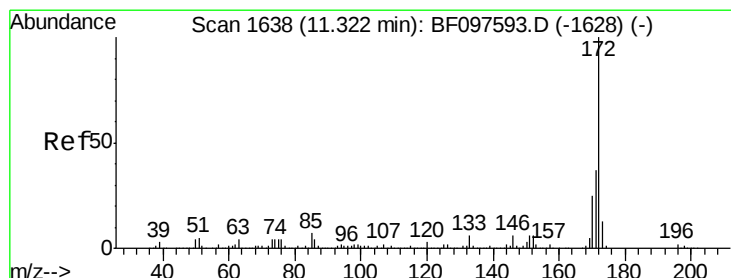
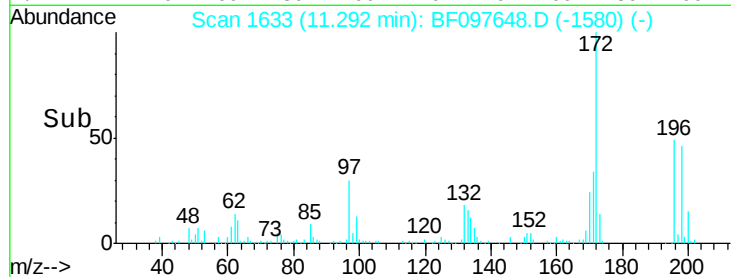
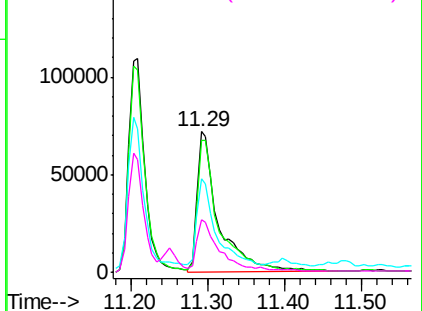
#43
 2,4,5-Trichlorophenol
 Concen: 36.44 ng
 RT: 11.29 min Scan# 1633
 Delta R.T. 0.01 min
 Lab File: BF097648.D
 Acq: 12 Aug 2017 22:34

Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MS

Tot Ion	Ratio	Lower	Upper
196	100		
198	94.0	75.7	113.5
97	66.4	47.7	71.5
132	37.9	28.0	42.0

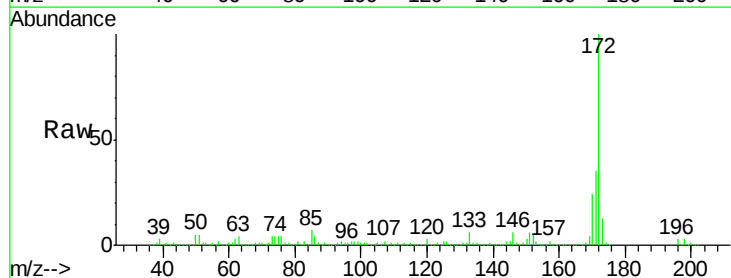


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

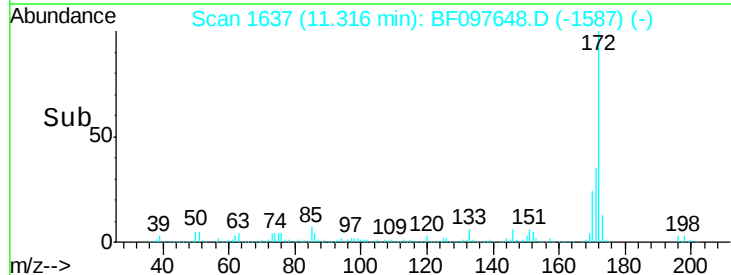
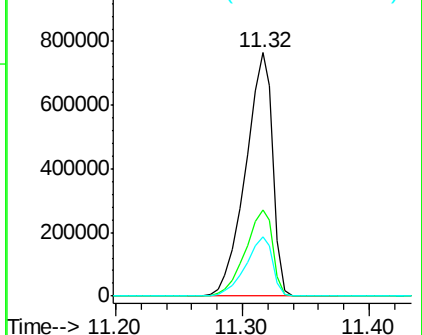


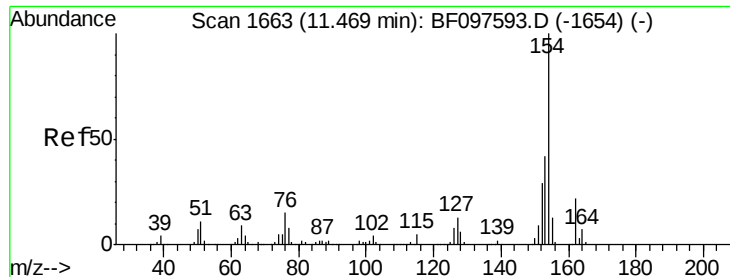
#44
 2-Fluorobiphenyl
 Concen: 79.56 ng
 RT: 11.32 min Scan# 1637
 Delta R.T. -0.01 min
 Lab File: BF097648.D
 Acq: 12 Aug 2017 22:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	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: 38.90 ng

RT: 11.46 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

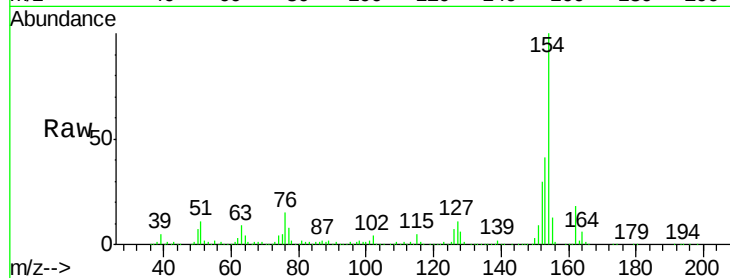
Tot Ion:154 Resp: 720460

Ion Ratio Lower Upper

154 100

153 41.0 21.2 61.2

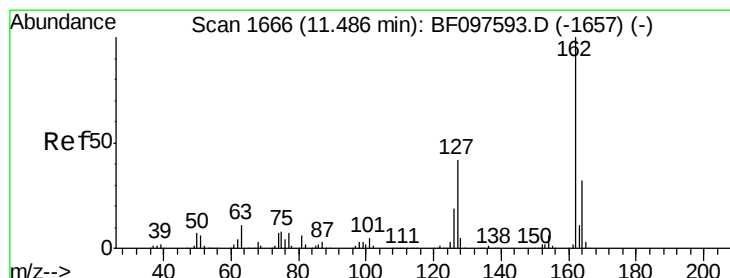
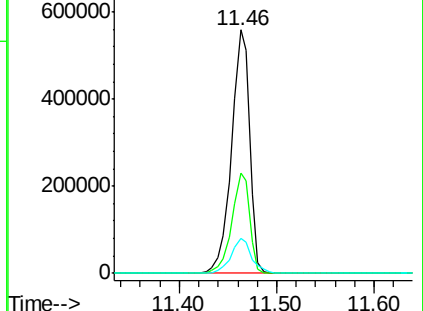
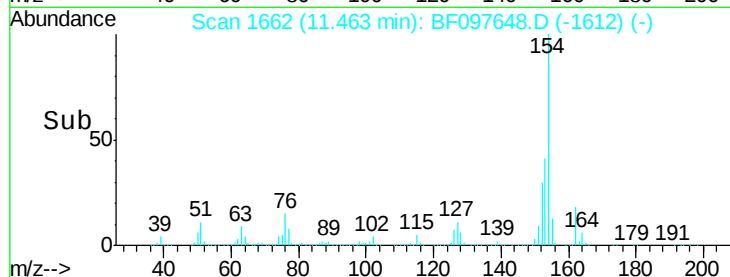
76 14.5 0.0 29.9



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: 38.31 ng

RT: 11.48 min Scan# 1665

Delta R.T. -0.01 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

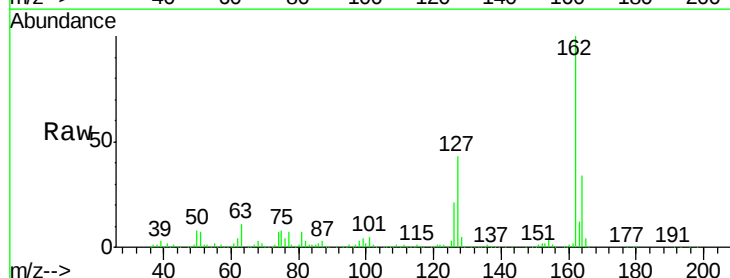
Tgt Ion:162 Resp: 544743

Ion Ratio Lower Upper

162 100

127 42.6 28.3 42.5#

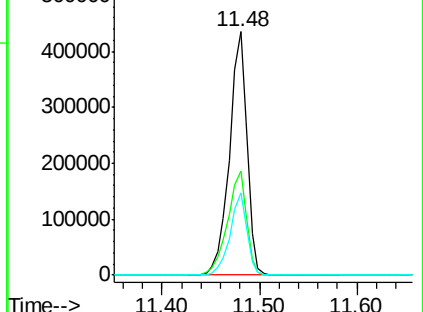
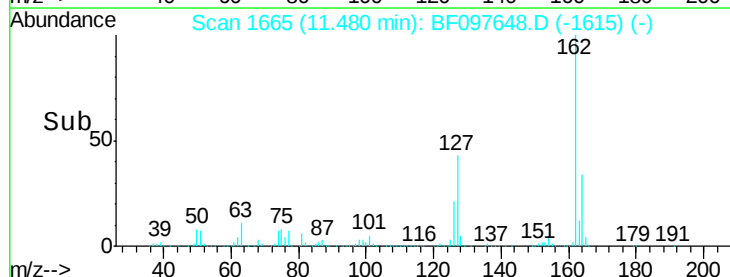
164 33.6 27.0 40.4

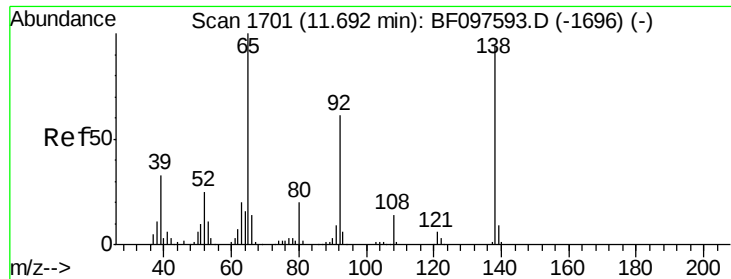


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 39.23 ng

RT: 11.70 min Scan# 1703

Delta R.T. 0.01 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

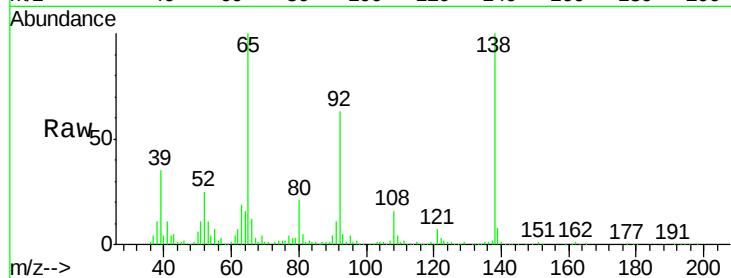
Tot Ion: 65 Resp: 218530

Ion Ratio Lower Upper

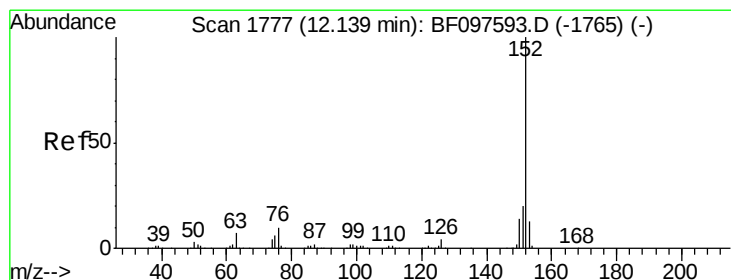
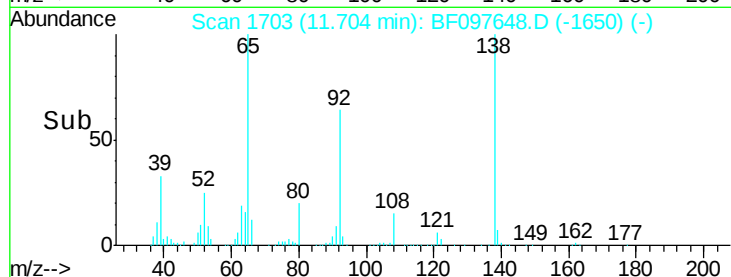
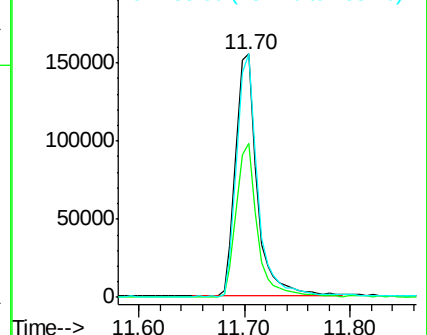
65 100

92 63.3 53.9 80.9

138 99.8 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: 37.82 ng

RT: 12.13 min Scan# 1776

Delta R.T. -0.01 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

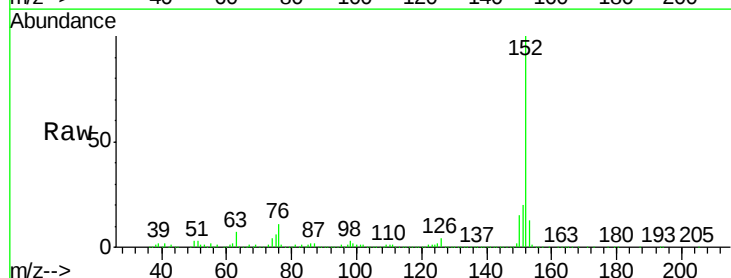
Tgt Ion: 152 Resp: 855092

Ion Ratio Lower Upper

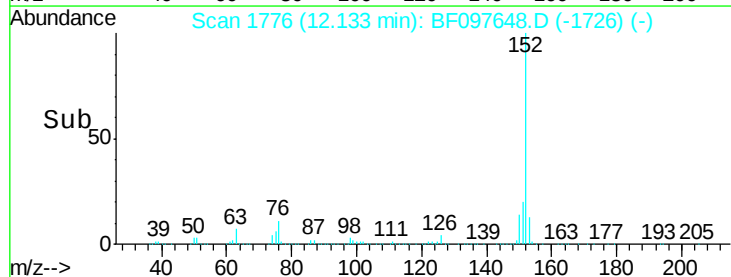
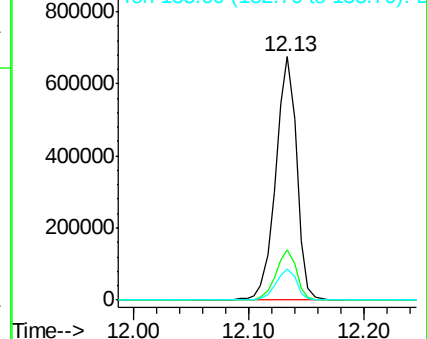
152 100

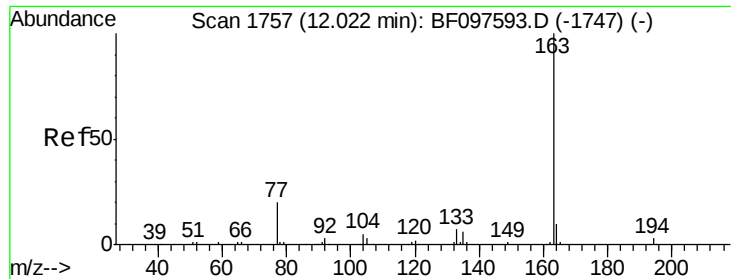
151 20.4 16.8 25.2

153 13.0 10.8 16.2



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





#49

Dimethylphthalate

Concen: 44.77 ng

RT: 12.02 min Scan# 1757

Delta R.T. 0.00 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

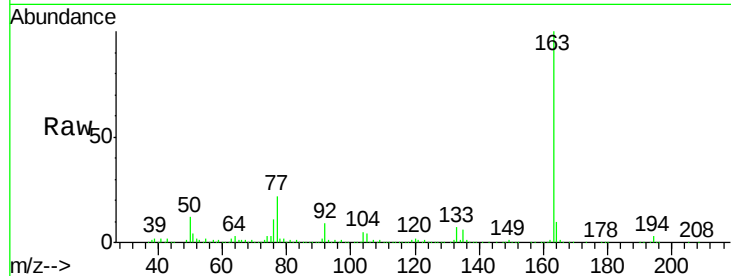
Tot Ion:163 Resp: 744861

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

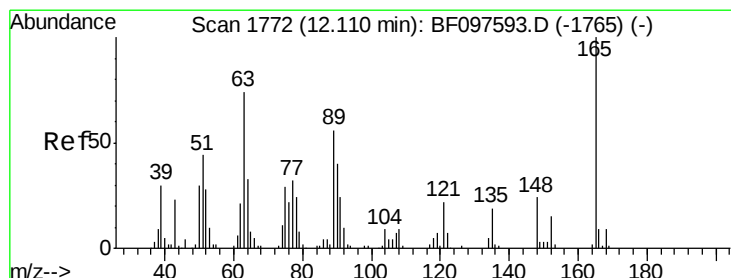
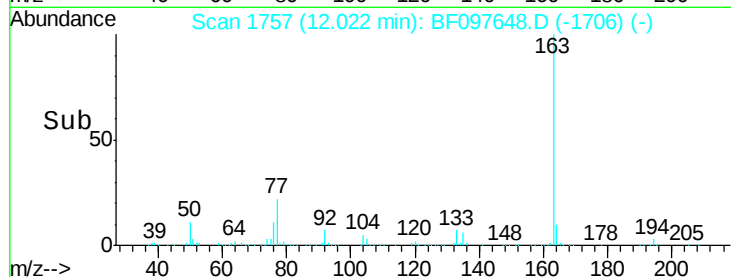
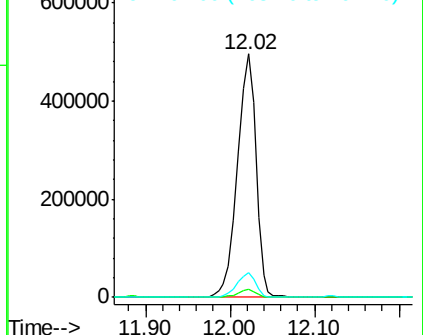
164 10.0 8.4 12.6



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: 40.33 ng

RT: 12.12 min Scan# 1773

Delta R.T. 0.01 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

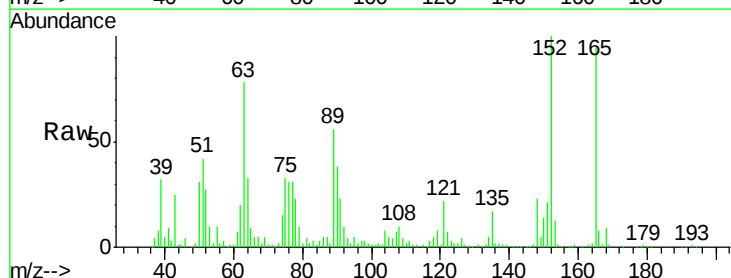
Tgt Ion:165 Resp: 138557

Ion Ratio Lower Upper

165 100

63 82.0 34.3 51.5#

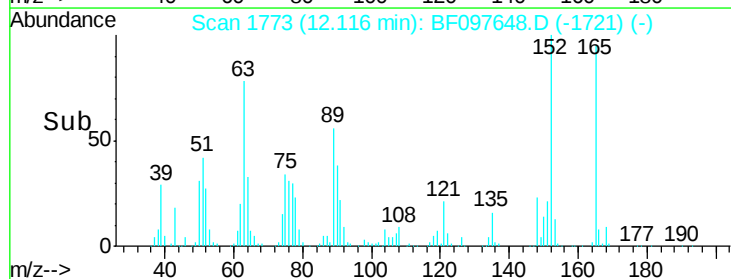
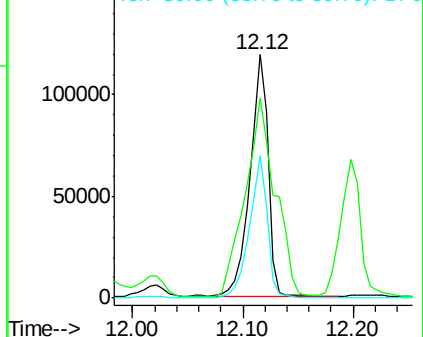
89 58.4 37.1 55.7#

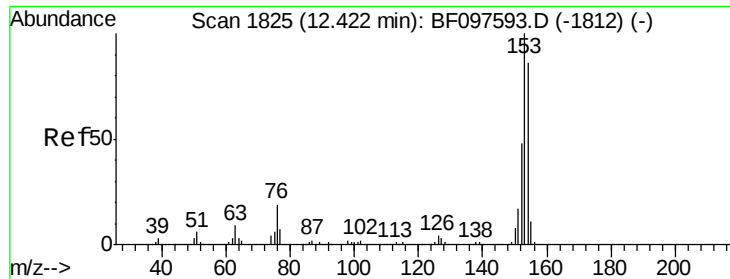


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 37.85 ng

RT: 12.42 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

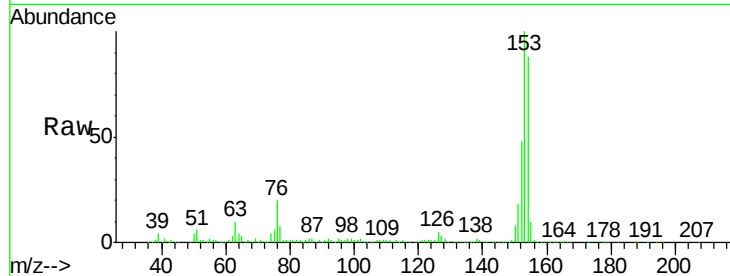
Tot Ion:154 Resp: 512780

Ion Ratio Lower Upper

154 100

153 114.0 90.5 135.7

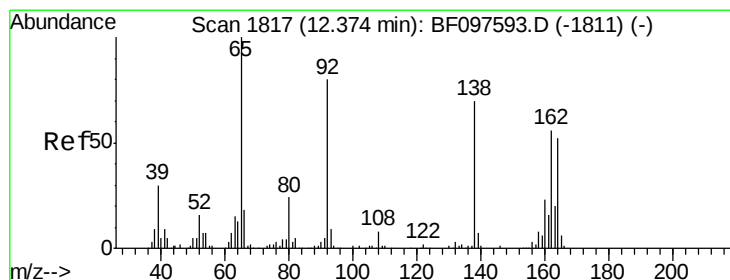
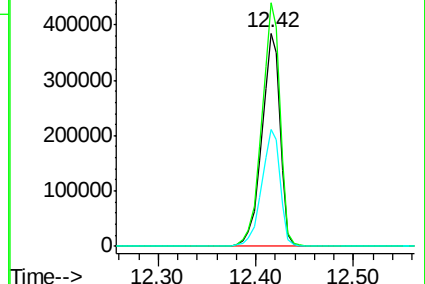
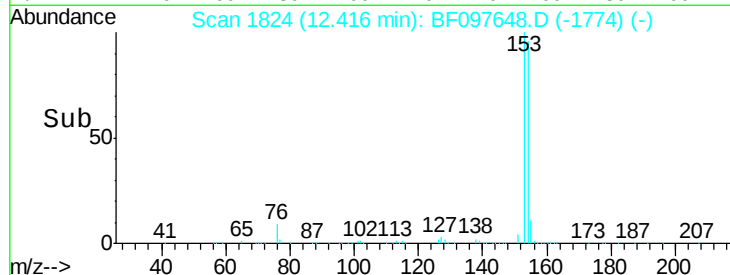
152 54.8 43.6 65.4



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: 17.50 ng

RT: 12.39 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

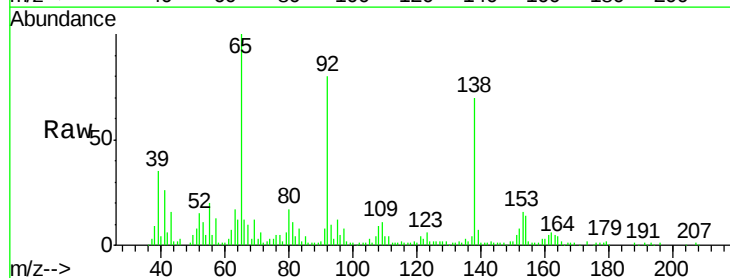
Tgt Ion:138 Resp: 78712

Ion Ratio Lower Upper

138 100

108 13.4 9.1 13.7

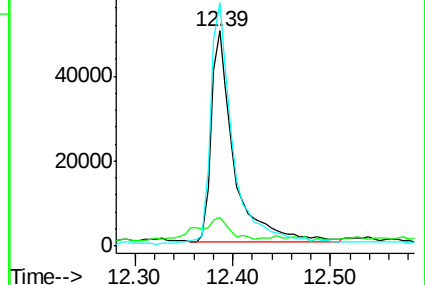
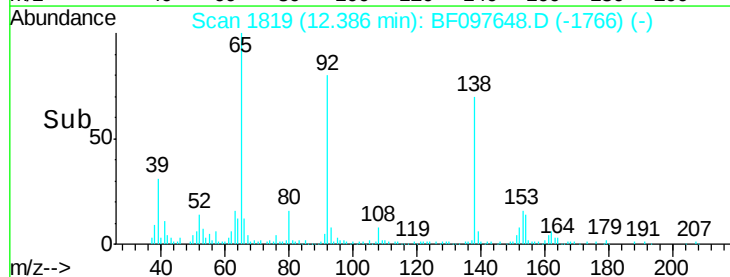
92 113.1 93.8 140.6

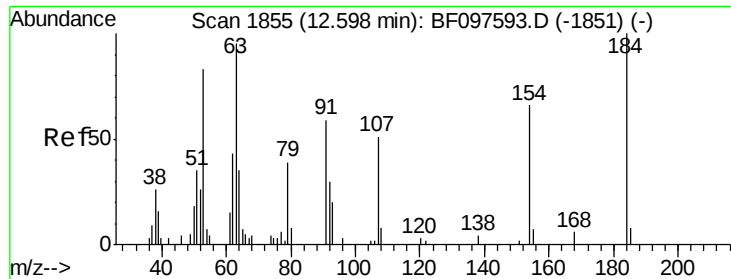


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

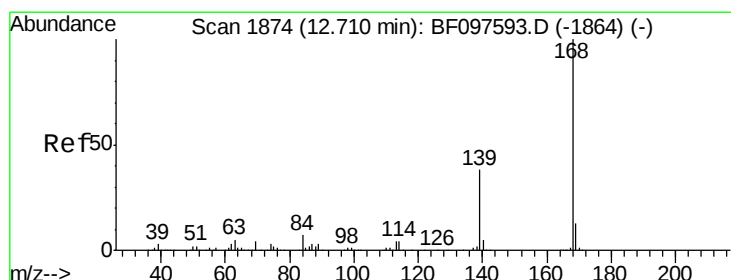
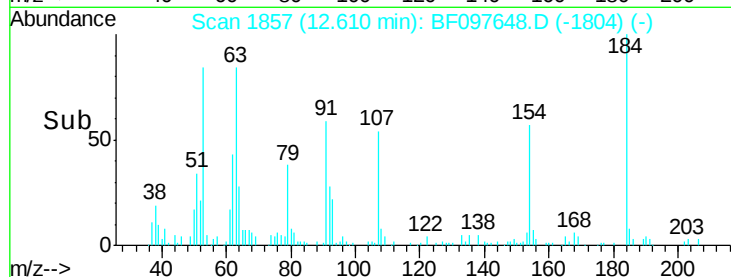
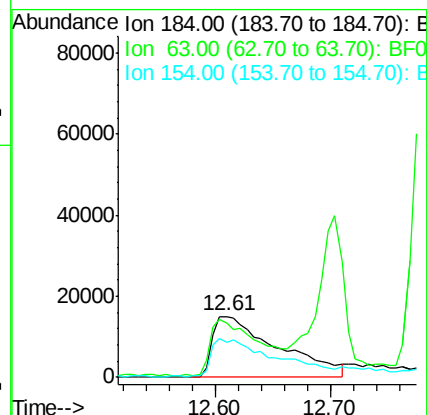
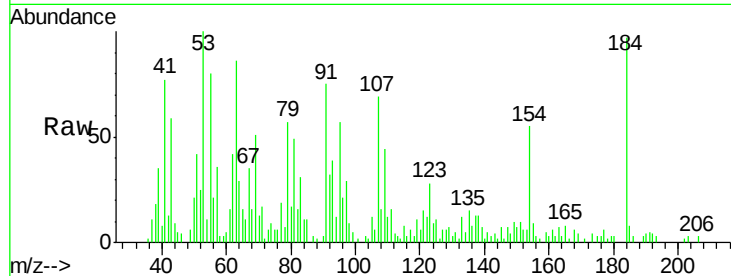




#53
2,4-Dinitrophenol
Concen: 41.75 ng
RT: 12.61 min Scan# 1857
Delta R.T. 0.01 min
Lab File: BF097648.D
Acq: 12 Aug 2017 22:34

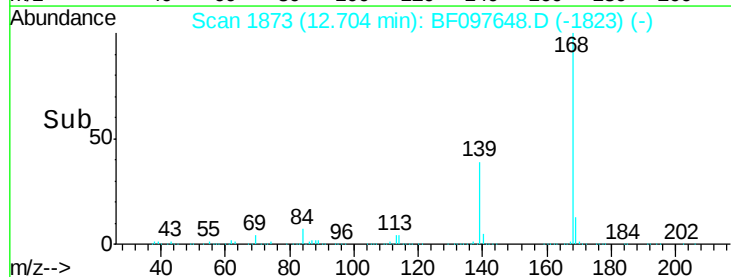
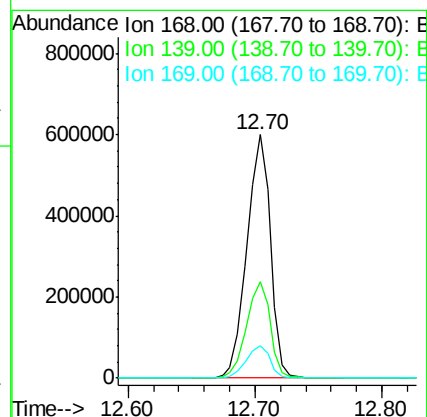
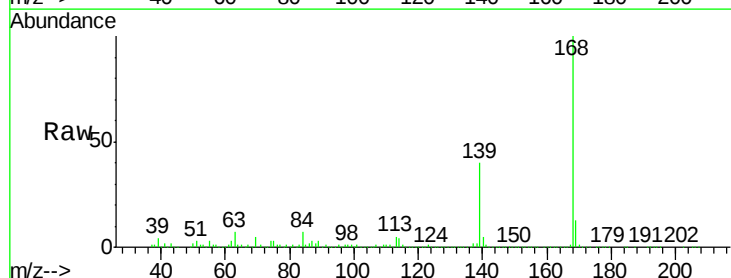
Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

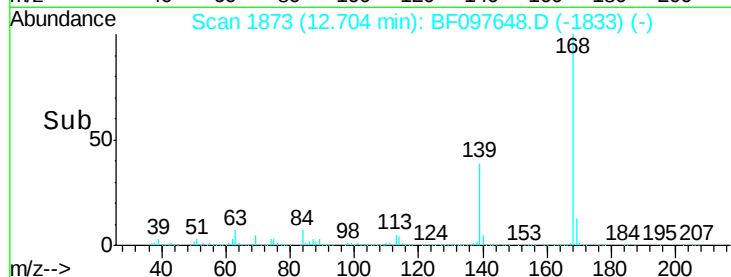
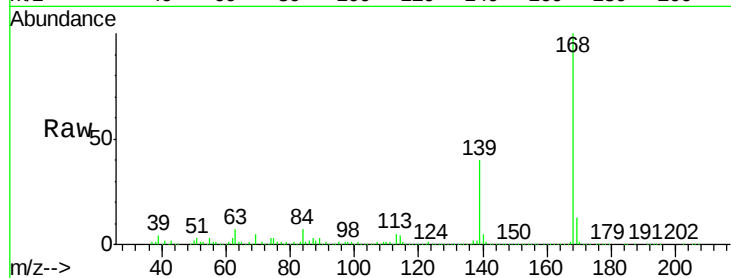
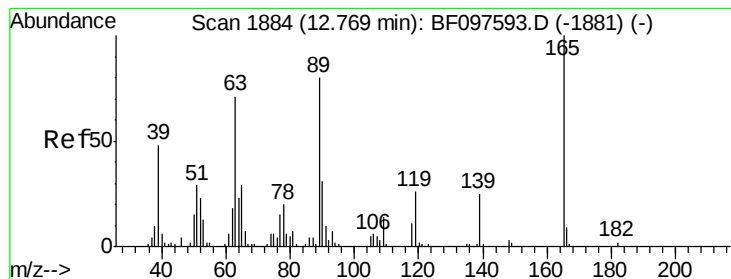
Tot Ion:184 Resp: 59127
Ion Ratio Lower Upper
184 100
63 88.6 62.7 94.1
154 56.5 81.1 121.7#



#54
Dibenzofuran
Concen: 40.49 ng
RT: 12.70 min Scan# 1873
Delta R.T. -0.01 min
Lab File: BF097648.D
Acq: 12 Aug 2017 22:34

Tgt Ion:168 Resp: 767889
Ion Ratio Lower Upper
168 100
139 39.7 30.6 45.8
169 13.3 10.8 16.2

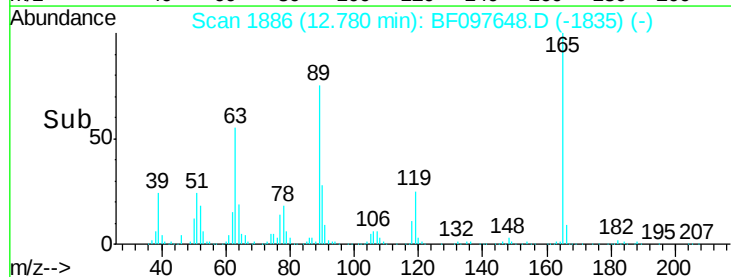
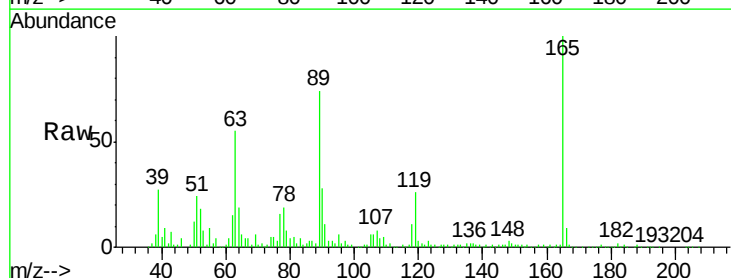
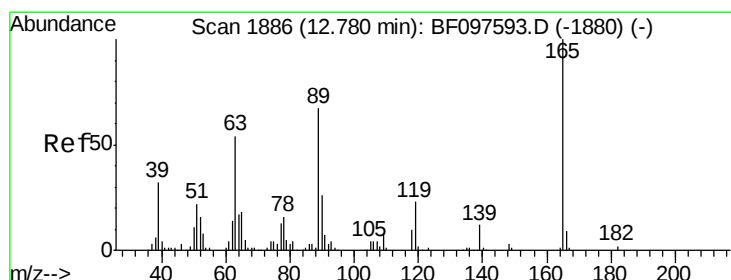
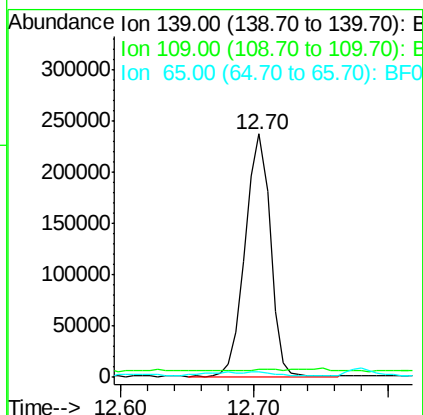




#55
4-Nitrophenol
Concen: 178.53 ng
RT: 12.70 min Scan# 1873
Delta R.T. -0.06 min
Lab File: BF097648.D
Acq: 12 Aug 2017 22:34

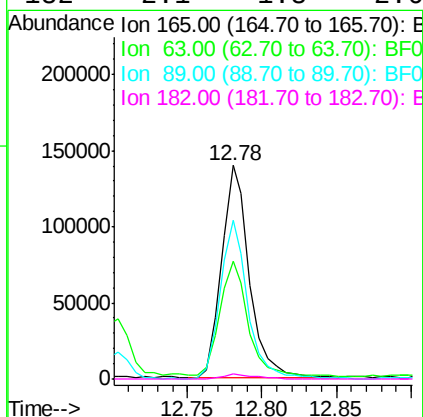
Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

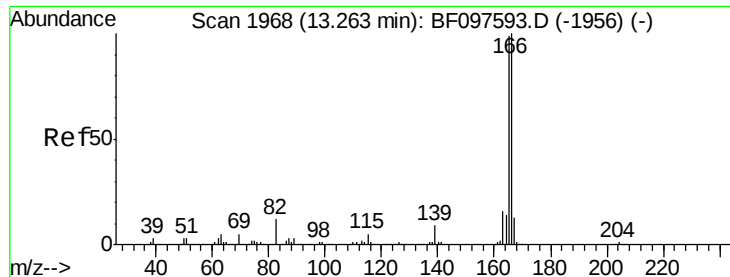
Tot Ion:139 Resp: 305860
Ion Ratio Lower Upper
139 100
109 3.3 34.1 74.1#
65 2.5 31.4 71.4#



#56
2,4-Dinitrotoluene
Concen: 39.68 ng
RT: 12.78 min Scan# 1886
Delta R.T. 0.00 min
Lab File: BF097648.D
Acq: 12 Aug 2017 22:34

Tgt Ion:165 Resp: 181951
Ion Ratio Lower Upper
165 100
63 55.0 25.4 38.0#
89 74.2 46.4 69.6#
182 2.1 1.8 2.6

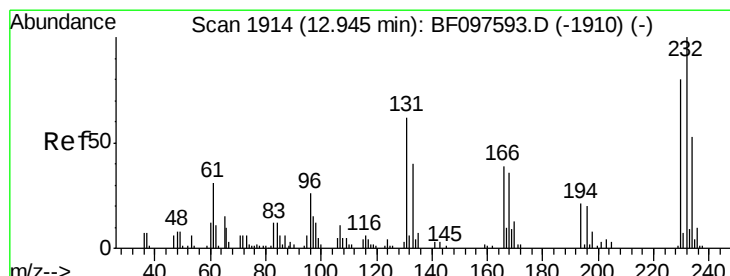
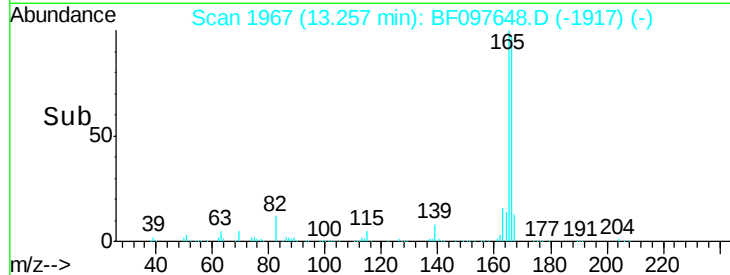
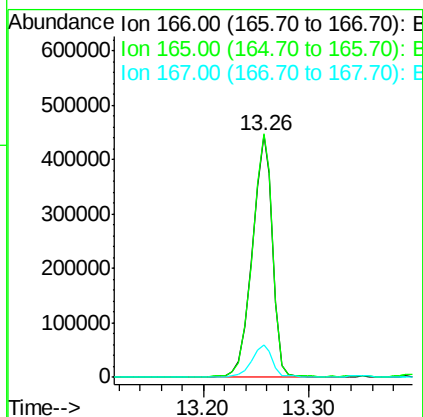
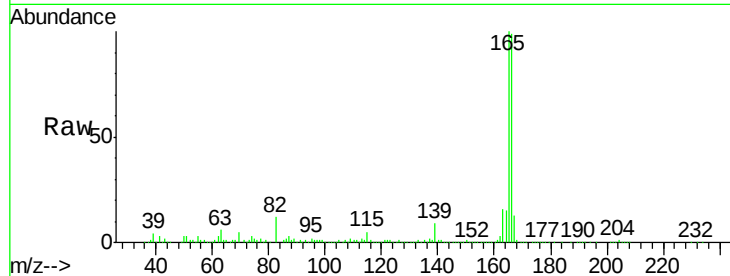




#57
 Fluorene
 Concen: 37.92 ng
 RT: 13.26 min Scan# 1967
 Delta R.T. -0.01 min
 Lab File: BF097648.D
 Acq: 12 Aug 2017 22:34

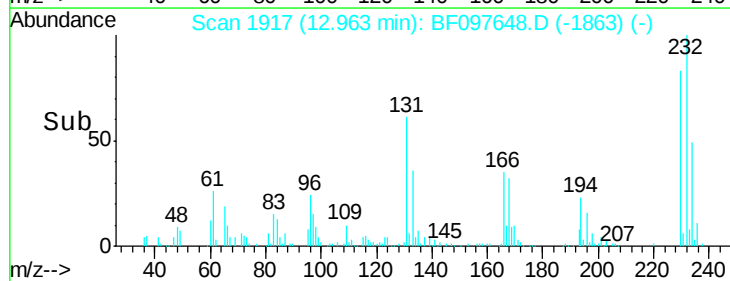
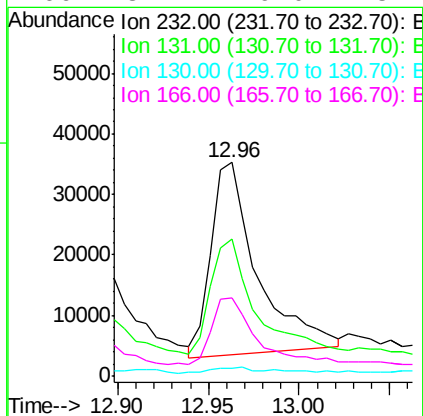
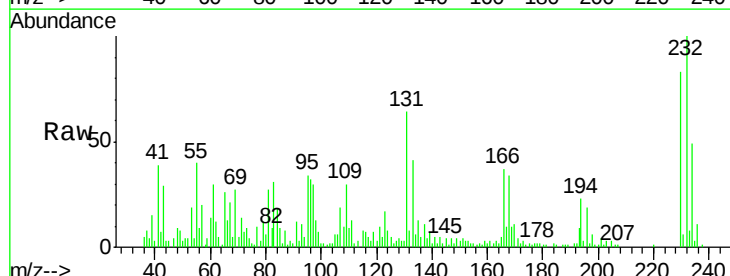
Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MS

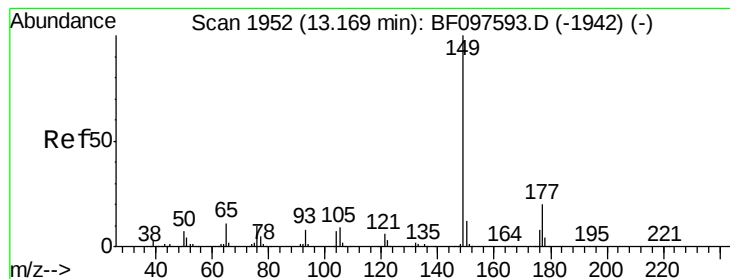
Tot Ion:166 Resp: 591531
 Ion Ratio Lower Upper
 166 100
 165 100.5 78.8 118.2
 167 13.4 10.6 16.0



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 21.86 ng
 RT: 12.96 min Scan# 1917
 Delta R.T. 0.02 min
 Lab File: BF097648.D
 Acq: 12 Aug 2017 22:34

Tgt Ion:232 Resp: 57119
 Ion Ratio Lower Upper
 232 100
 131 59.6 44.8 67.2
 130 3.6 2.3 3.5#
 166 34.1 29.0 43.4





#59

Diethylphthalate

Concen: 41.61 ng

RT: 13.16 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

Instrument :

BNA_F

ClientSampled :

VE-4-11MS

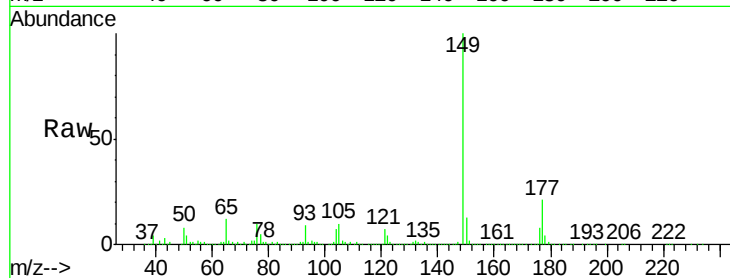
Tot Ion:149 Resp: 653818

Ion Ratio Lower Upper

149 100

177 20.5 16.7 25.1

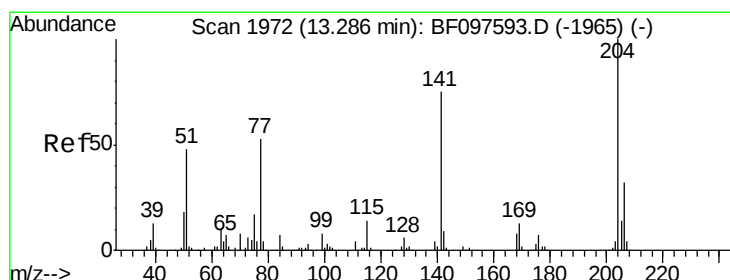
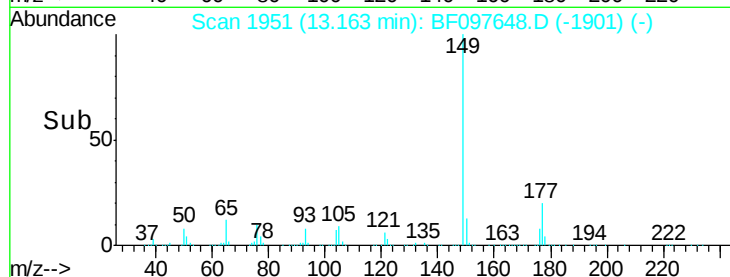
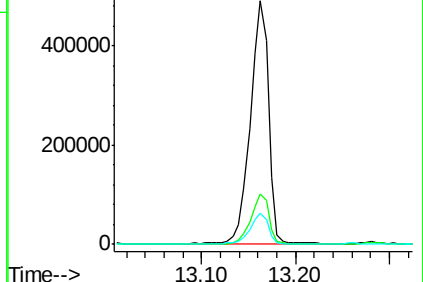
150 12.7 10.2 15.2



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: 38.90 ng

RT: 13.29 min Scan# 1972

Delta R.T. 0.00 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

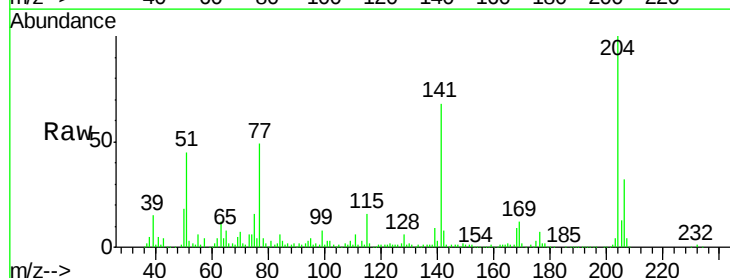
Tgt Ion:204 Resp: 259054

Ion Ratio Lower Upper

204 100

206 31.6 26.2 39.2

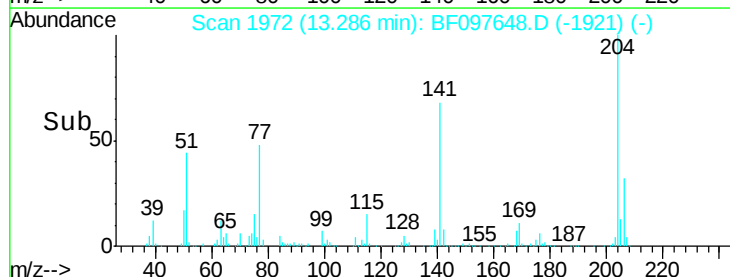
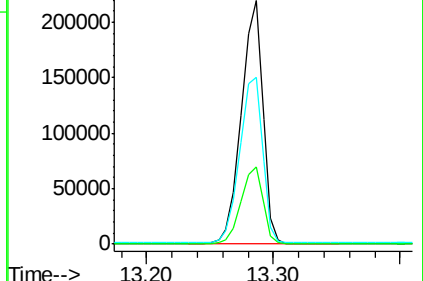
141 68.4 60.8 91.2

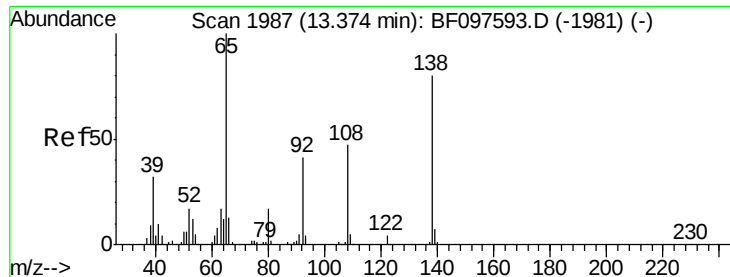


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

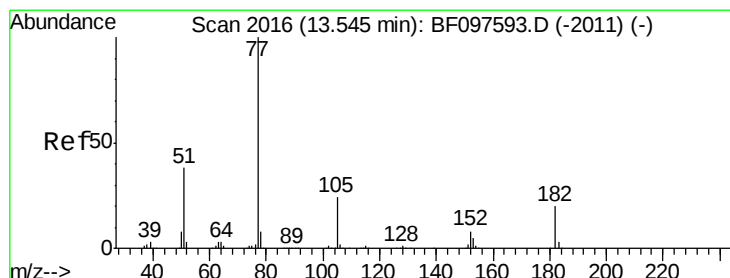
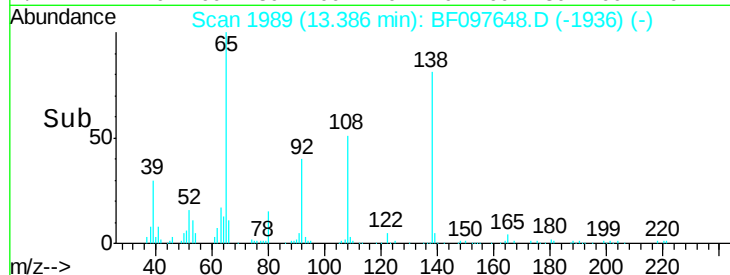
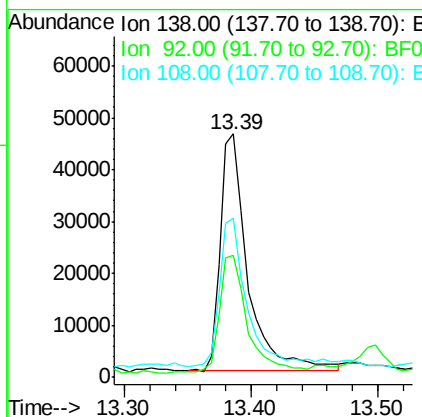
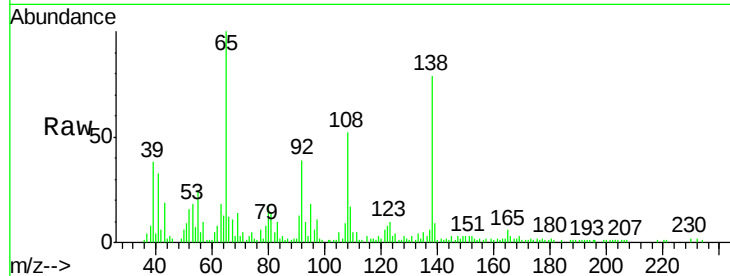




#61
4-Nitroaniline
Concen: 16.18 ng
RT: 13.39 min Scan# 1989
Delta R.T. 0.01 min
Lab File: BF097648.D
Acq: 12 Aug 2017 22:34

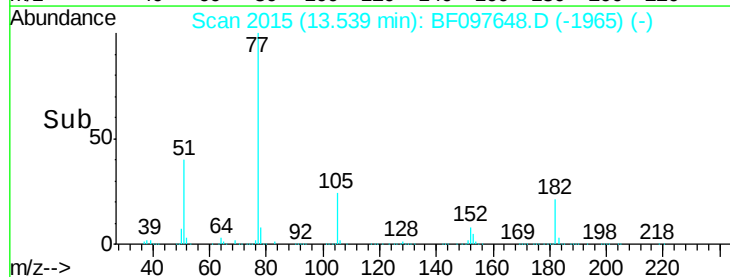
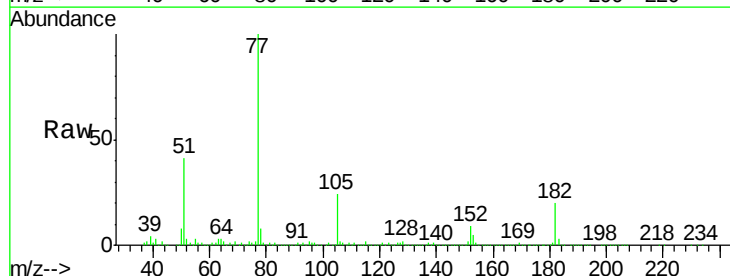
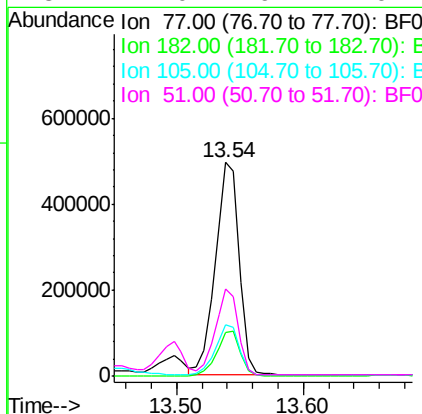
Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

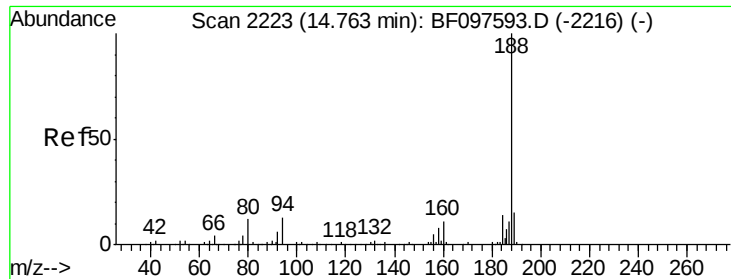
Tot Ion:138 Resp: 69413
Ion Ratio Lower Upper
138 100
92 49.9 21.8 61.8
108 65.4 42.3 82.3



#62
Azobenzene
Concen: 41.31 ng
RT: 13.54 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF097648.D
Acq: 12 Aug 2017 22:34

Tgt Ion: 77 Resp: 645824
Ion Ratio Lower Upper
77 100
182 20.4 0.1 40.1
105 24.2 3.6 43.6
51 41.0 9.4 49.4

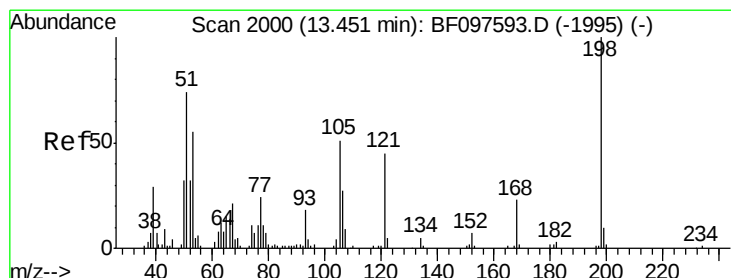
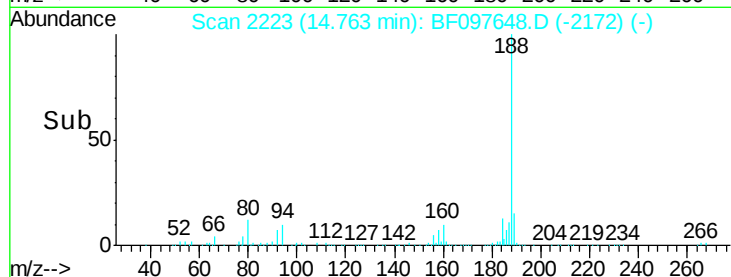
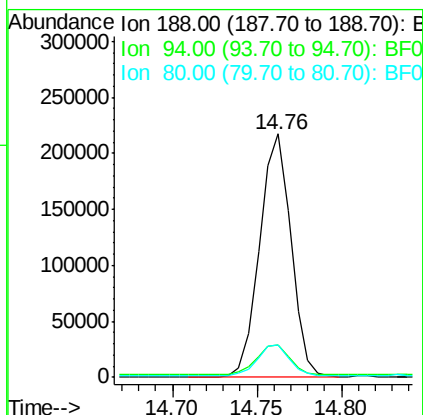
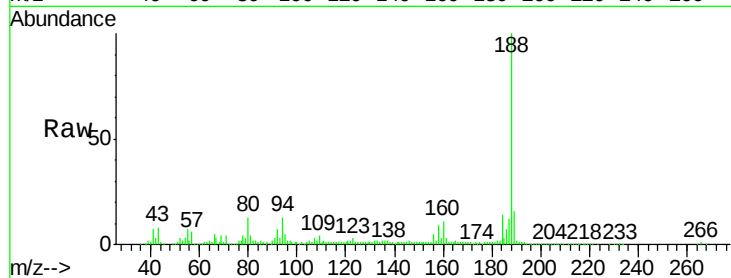




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.76 min Scan# 2223
Delta R.T. 0.00 min
Lab File: BF097648.D
Acq: 12 Aug 2017 22:34

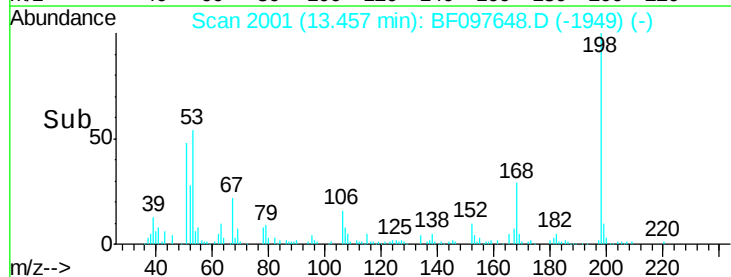
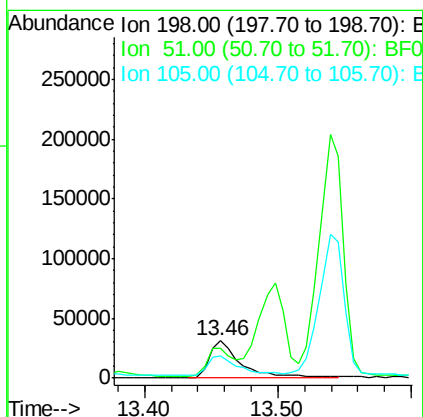
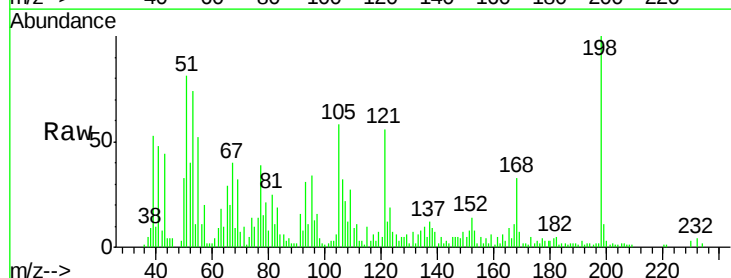
Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

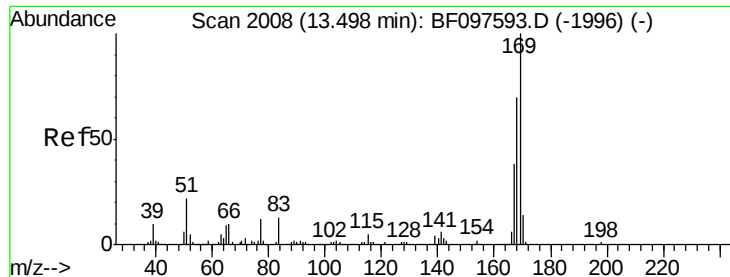
Tot Ion:188 Resp: 279206
Ion Ratio Lower Upper
188 100
94 13.1 9.4 14.2
80 13.2 10.2 15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 30.53 ng
RT: 13.46 min Scan# 2001
Delta R.T. 0.01 min
Lab File: BF097648.D
Acq: 12 Aug 2017 22:34

Tgt Ion:198 Resp: 52005
Ion Ratio Lower Upper
198 100
51 80.6 53.2 93.2
105 58.3 45.8 85.8

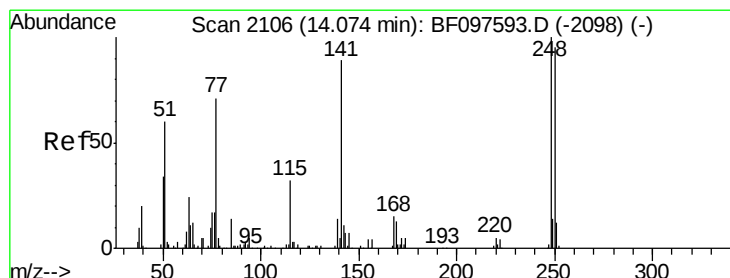
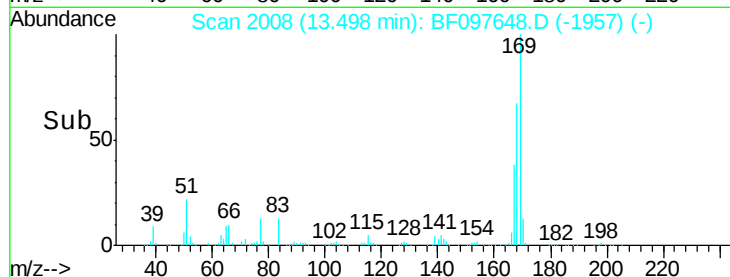
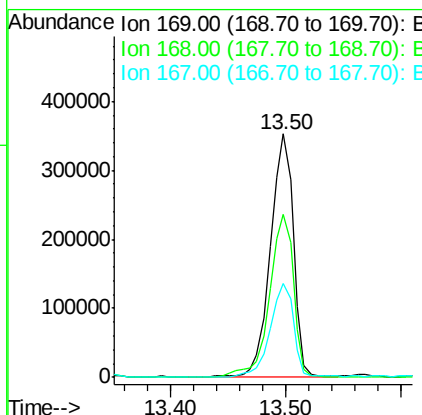
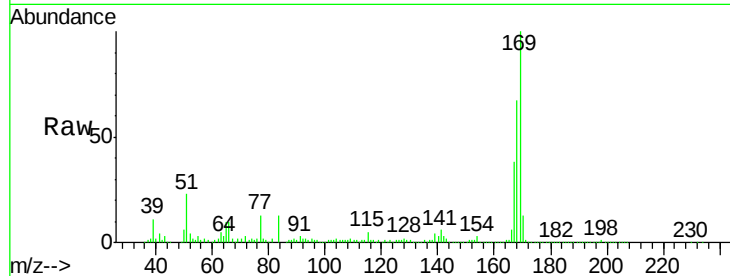




#65
n-Nitrosodiphenylamine
Concen: 47.30 ng
RT: 13.50 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF097648.D
Acq: 12 Aug 2017 22:34

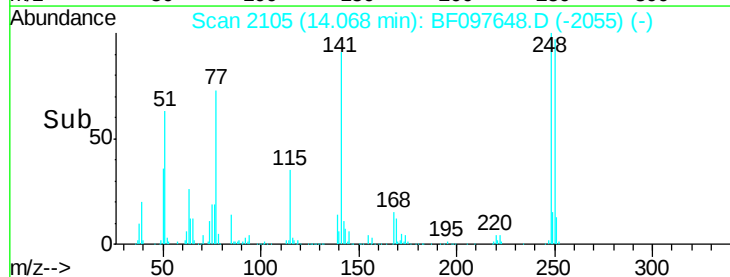
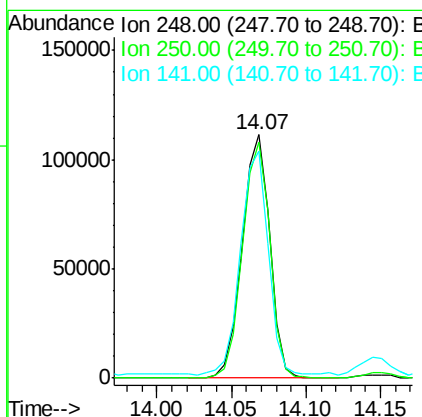
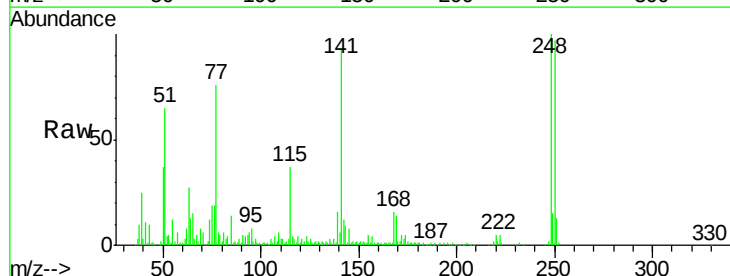
Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

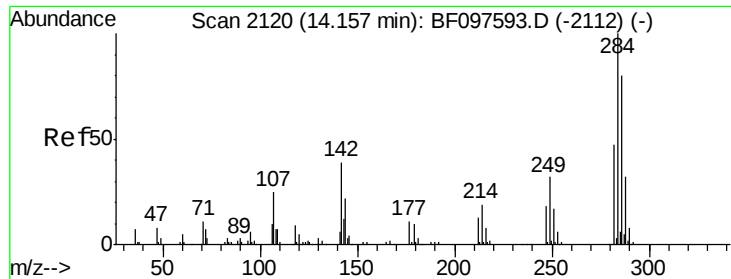
Tot Ion:169 Resp: 488069
Ion Ratio Lower Upper
169 100
168 67.0 53.2 79.8
167 38.3 29.5 44.3



#66
4-Bromophenyl-phenylether
Concen: 49.23 ng
RT: 14.07 min Scan# 2105
Delta R.T. -0.01 min
Lab File: BF097648.D
Acq: 12 Aug 2017 22:34

Tgt Ion:248 Resp: 142605
Ion Ratio Lower Upper
248 100
250 96.9 76.8 115.2
141 93.3 68.6 103.0

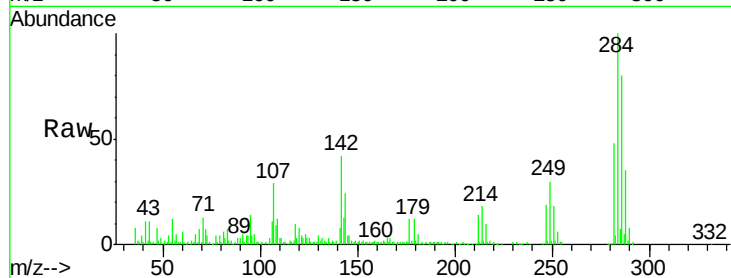




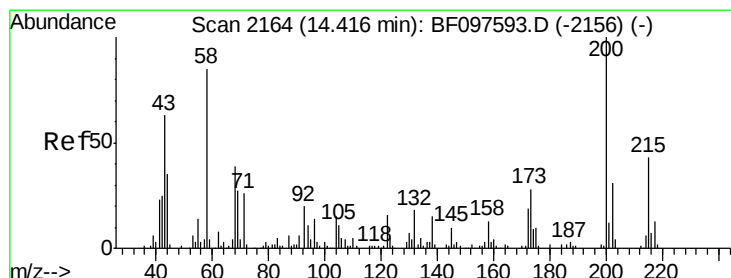
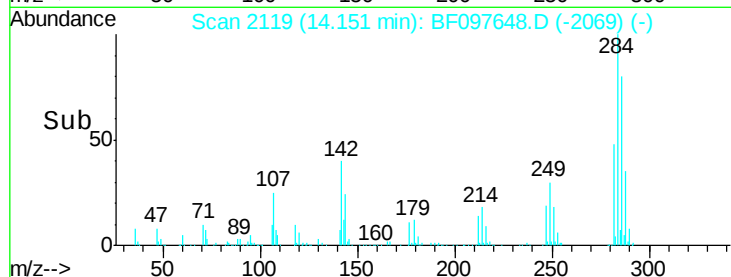
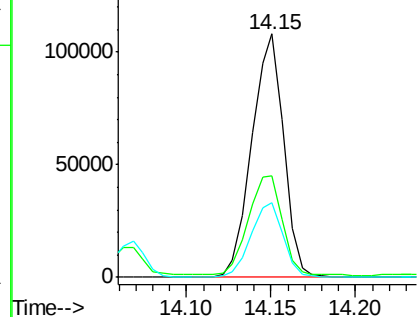
#67
Hexachlorobenzene
Concen: 45.02 ng
RT: 14.15 min Scan# 2119
Delta R.T. -0.01 min
Lab File: BF097648.D
Acq: 12 Aug 2017 22:34

Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

Tot Ion	Ratio	Lower	Upper
284	100		
142	41.5	22.8	34.2#
249	30.5	24.0	36.0

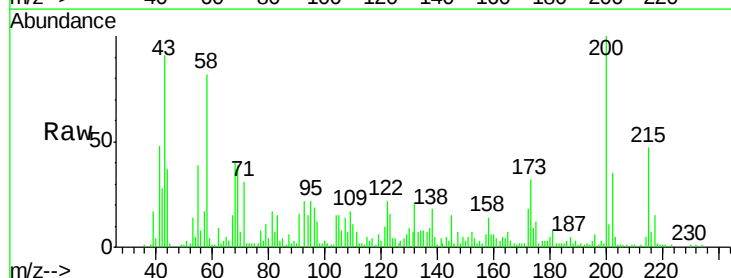


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

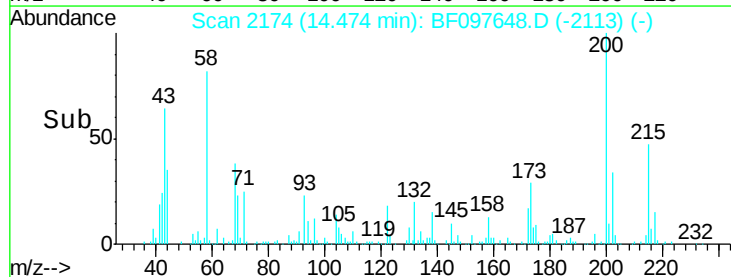
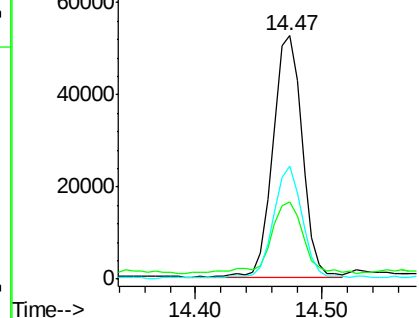


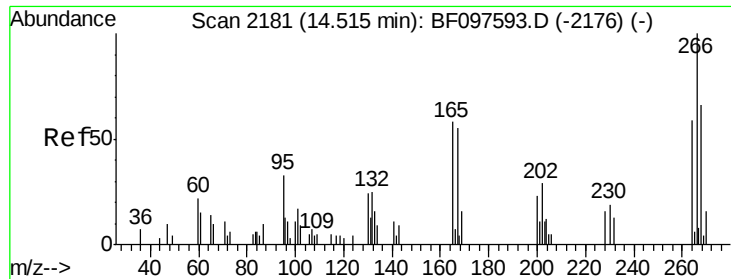
#68
Atrazine
Concen: 32.67 ng
RT: 14.47 min Scan# 2174
Delta R.T. 0.06 min
Lab File: BF097648.D
Acq: 12 Aug 2017 22:34

Tgt Ion	Ratio	Lower	Upper
200	100		
173	31.5	6.3	46.3
215	46.5	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

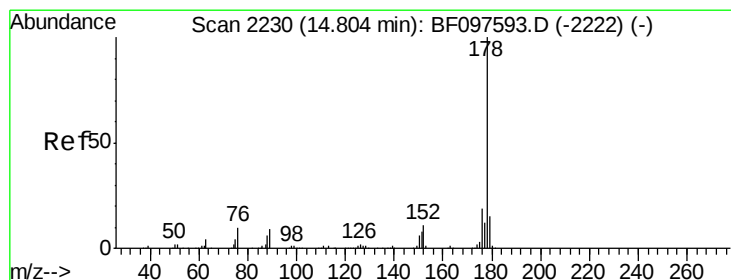
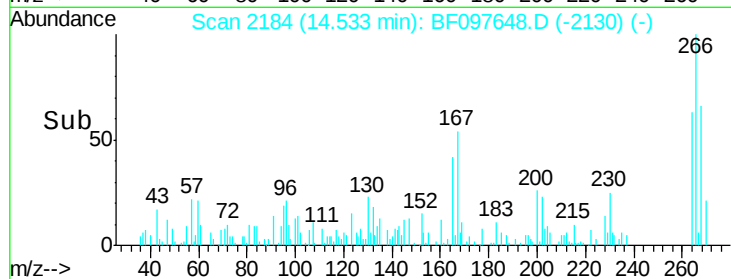
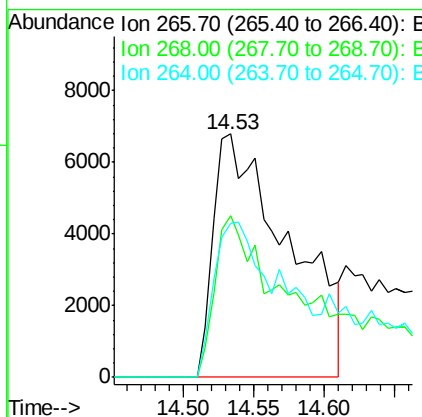
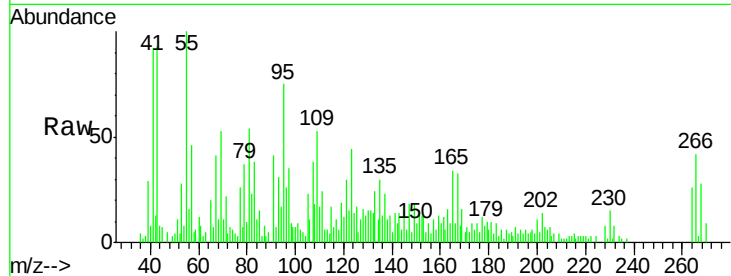




#69
 Pentachlorophenol
 Concen: 41.77 ng
 RT: 14.53 min Scan# 2184
 Delta R.T. 0.02 min
 Lab File: BF097648.D
 Acq: 12 Aug 2017 22:34

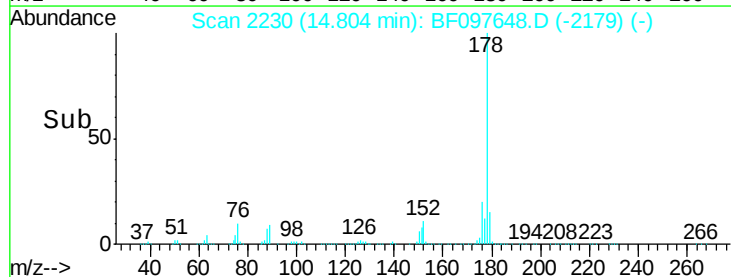
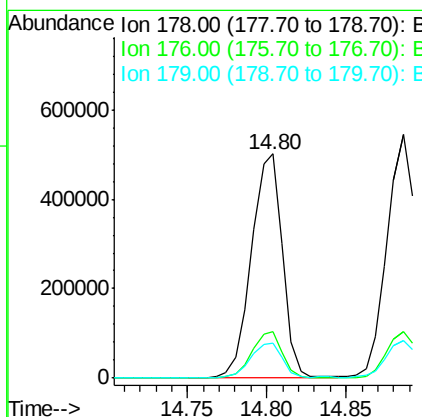
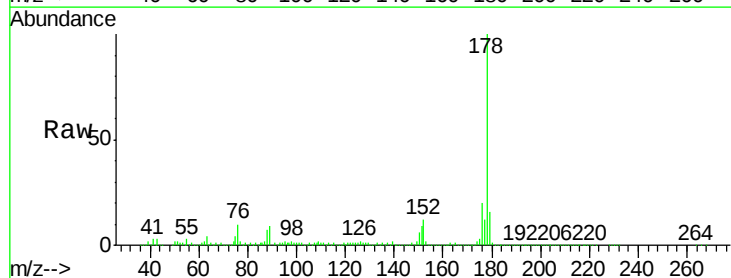
Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MS

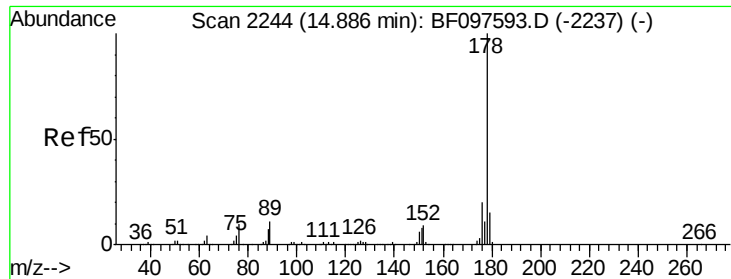
Tot Ion:266 Resp: 25169
 Ion Ratio Lower Upper
 266 100
 268 66.5 51.1 76.7
 264 63.2 51.7 77.5



#70
 Phenanthrene
 Concen: 42.10 ng
 RT: 14.80 min Scan# 2230
 Delta R.T. -0.00 min
 Lab File: BF097648.D
 Acq: 12 Aug 2017 22:34

Tgt Ion:178 Resp: 676953
 Ion Ratio Lower Upper
 178 100
 176 20.4 16.2 24.4
 179 15.7 12.6 19.0

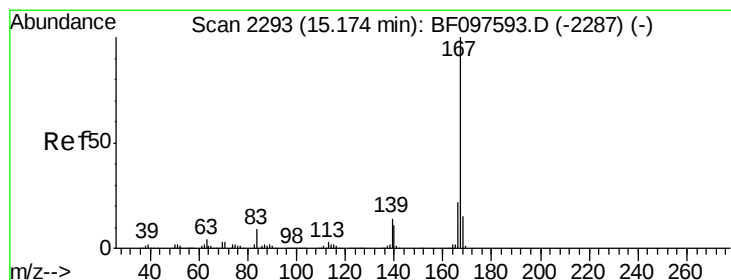
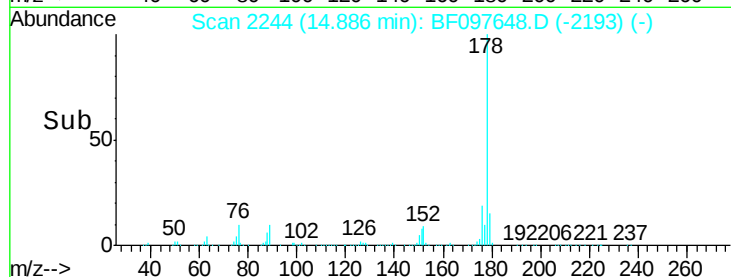
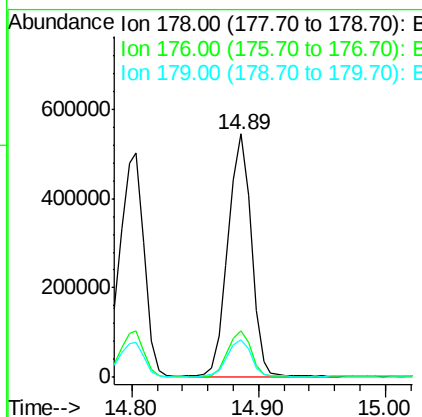
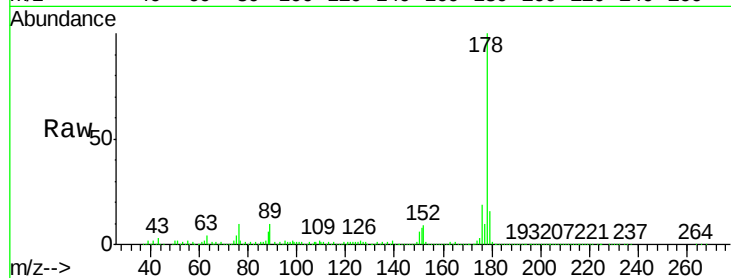




#71
 Anthracene
 Concen: 41.80 ng
 RT: 14.89 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: BF097648.D
 Acq: 12 Aug 2017 22:34

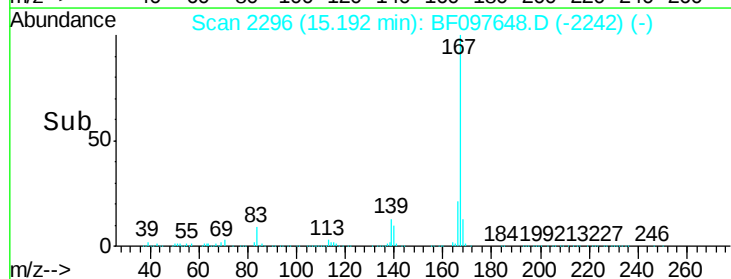
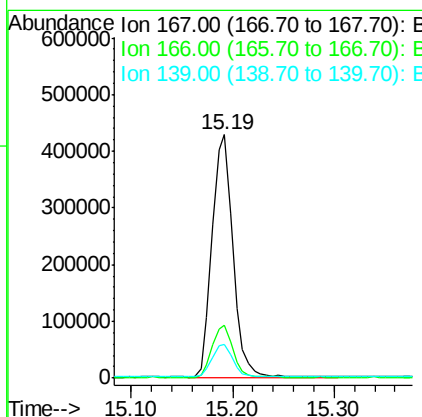
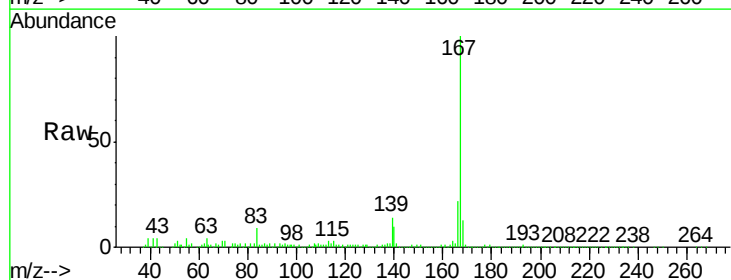
Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MS

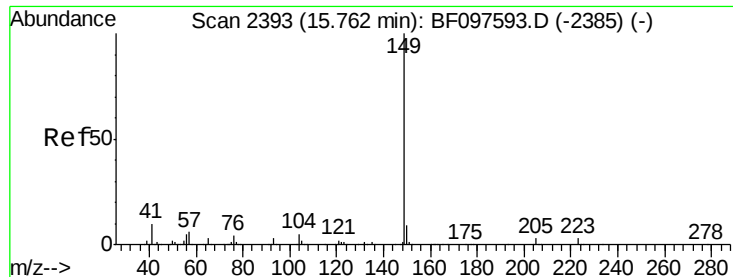
Tot Ion:178 Resp: 687824
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.8 23.8
 179 15.6 12.7 19.1



#72
 Carbazole
 Concen: 39.05 ng
 RT: 15.19 min Scan# 2296
 Delta R.T. 0.02 min
 Lab File: BF097648.D
 Acq: 12 Aug 2017 22:34

Tgt Ion:167 Resp: 611632
 Ion Ratio Lower Upper
 167 100
 166 21.6 18.1 27.1
 139 13.8 11.7 17.5

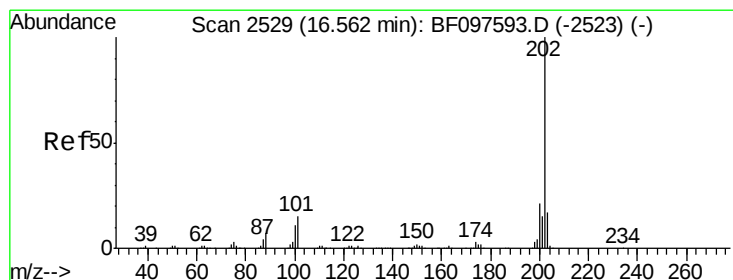
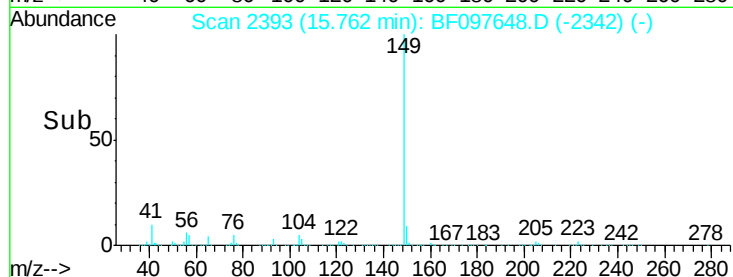
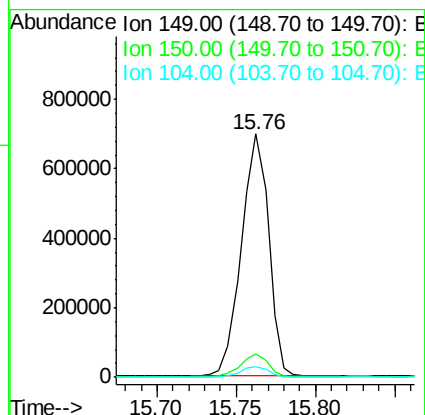
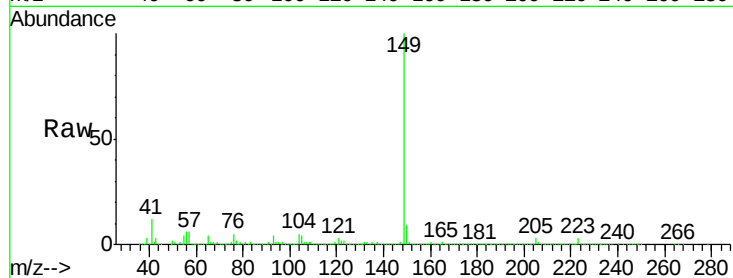




#73
Di-n-butylphthalate
Concen: 45.24 ng
RT: 15.76 min Scan# 2393
Delta R.T. 0.00 min
Lab File: BF097648.D
Acq: 12 Aug 2017 22:34

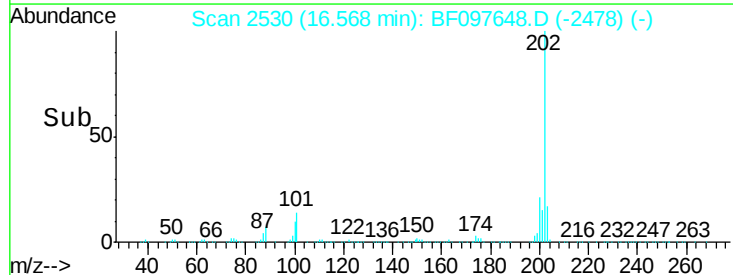
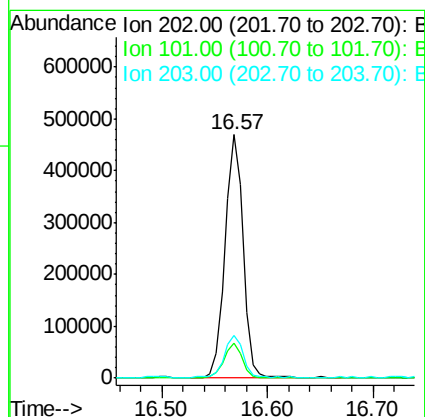
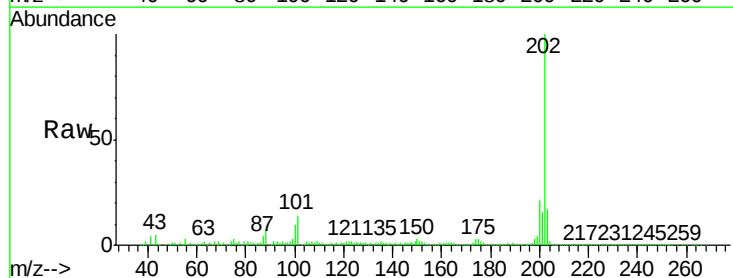
Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

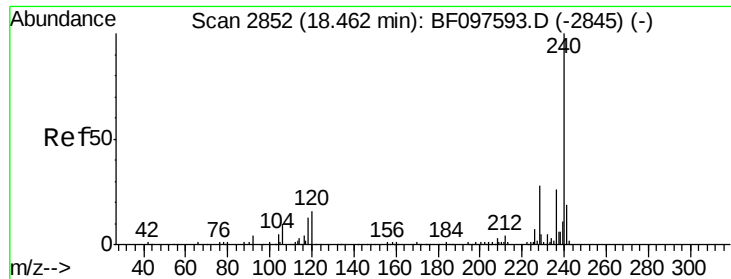
Tot Ion:149 Resp: 829346
Ion Ratio Lower Upper
149 100
150 9.4 7.7 11.5
104 4.6 4.0 6.0



#74
Fluoranthene
Concen: 38.08 ng
RT: 16.57 min Scan# 2530
Delta R.T. 0.01 min
Lab File: BF097648.D
Acq: 12 Aug 2017 22:34

Tgt Ion:202 Resp: 553273
Ion Ratio Lower Upper
202 100
101 14.3 0.0 33.2
203 17.4 0.0 38.1

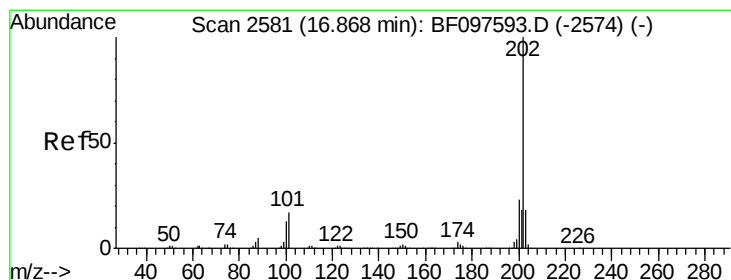
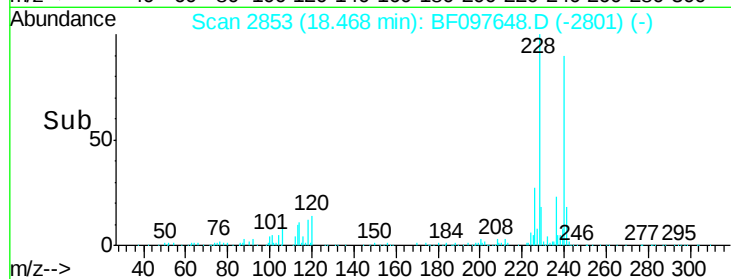
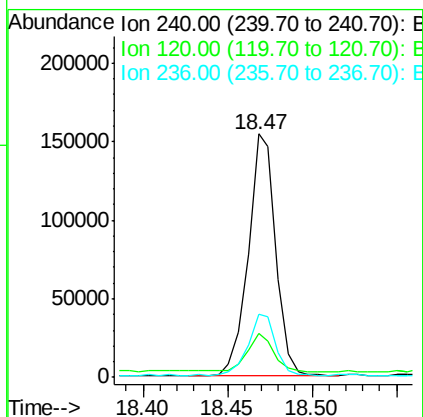
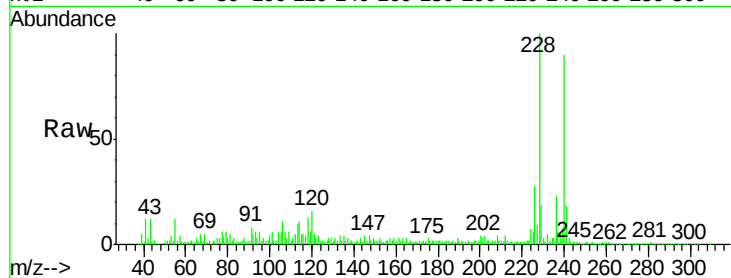




#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.47 min Scan# 2853
Delta R.T. 0.01 min
Lab File: BF097648.D
Acq: 12 Aug 2017 22:34

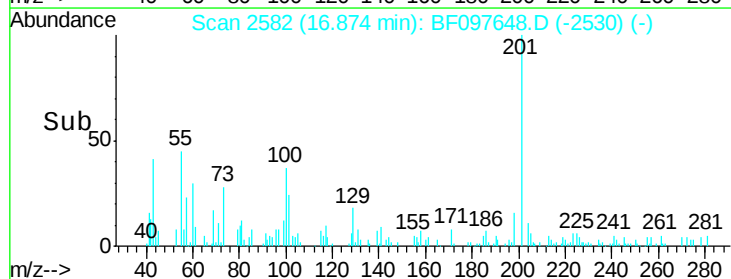
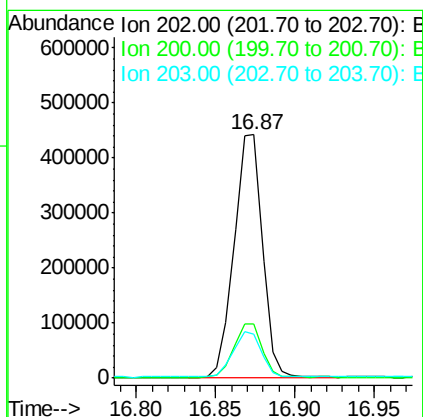
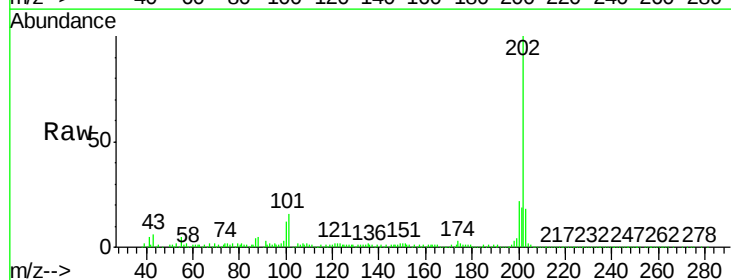
Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

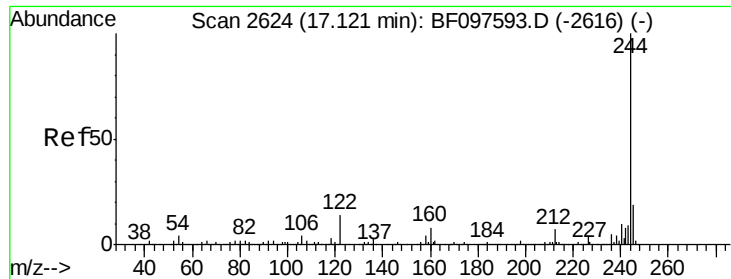
Tot Ion:240 Resp: 173103
Ion Ratio Lower Upper
240 100
120 17.9 5.8 8.8#
236 25.9 20.5 30.7



#77
Pyrene
Concen: 38.00 ng
RT: 16.87 min Scan# 2582
Delta R.T. 0.01 min
Lab File: BF097648.D
Acq: 12 Aug 2017 22:34

Tgt Ion:202 Resp: 543893
Ion Ratio Lower Upper
202 100
200 22.1 17.6 26.4
203 18.2 14.4 21.6





#78

Terphenyl-d14

Concen: 61.06 ng

RT: 17.12 min Scan# 2624

Delta R.T. -0.00 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

Instrument :

BNA_F

ClientSampled :

VE-4-11MS

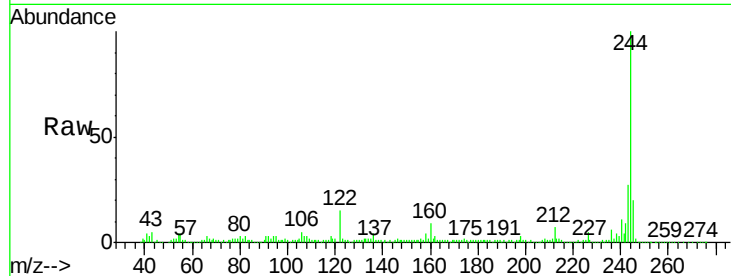
Tot Ion:244 Resp: 510732

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

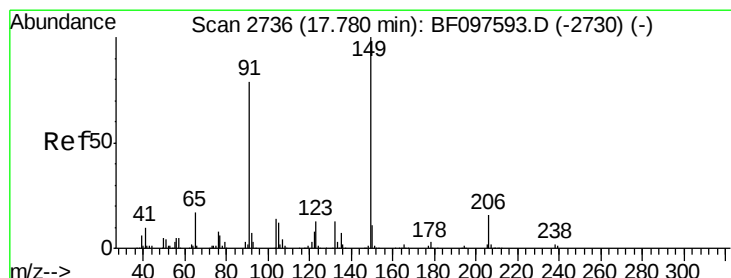
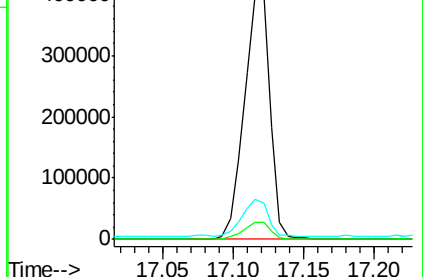
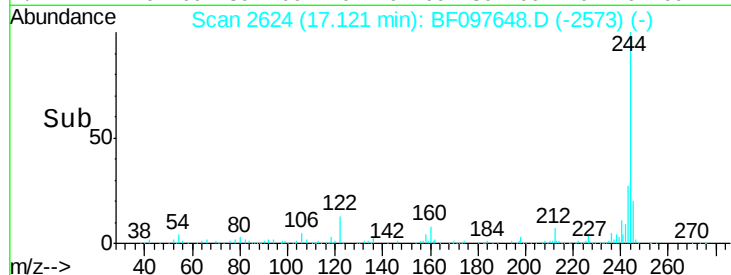
122 14.7 10.3 15.5



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: 45.07 ng

RT: 17.79 min Scan# 2738

Delta R.T. 0.01 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

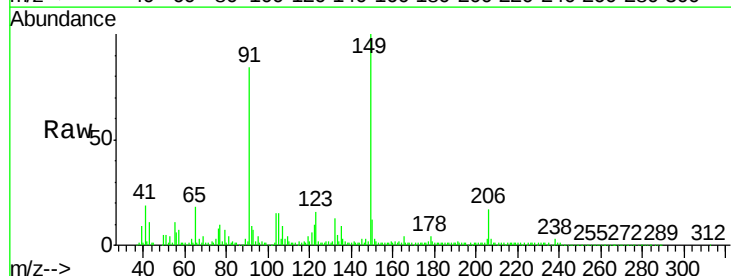
Tgt Ion:149 Resp: 269688

Ion Ratio Lower Upper

149 100

91 83.5 45.0 67.4#

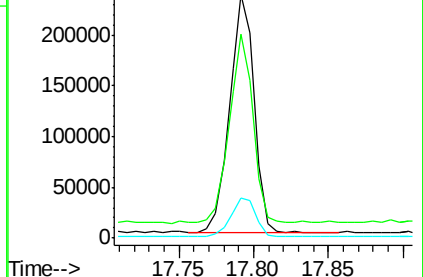
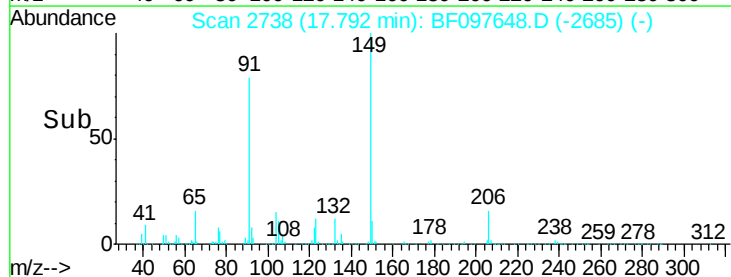
206 16.7 17.0 25.6#

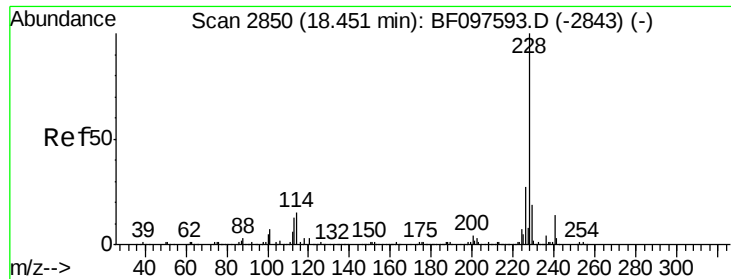


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 43.84 ng

RT: 18.46 min Scan# 2851

Delta R.T. 0.01 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

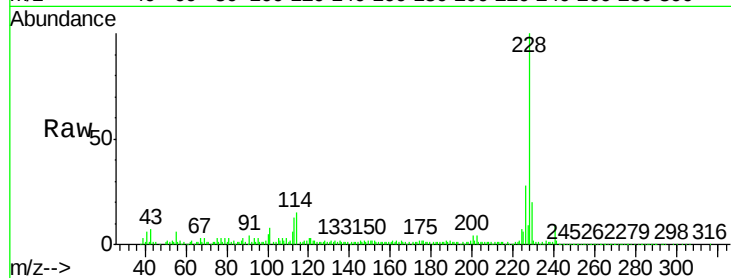
Tot Ion:228 Resp: 443193

Ion Ratio Lower Upper

228 100

226 28.2 22.6 33.8

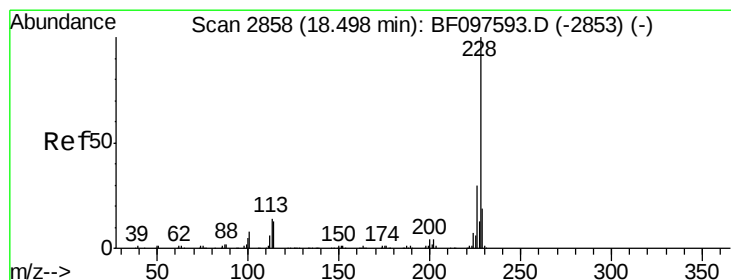
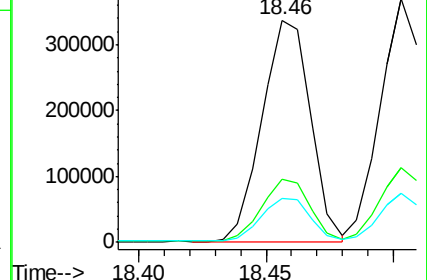
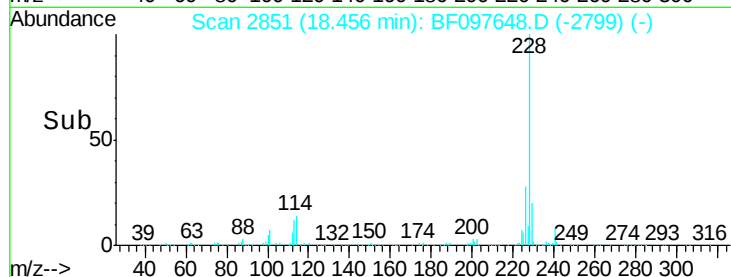
229 20.0 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 42.37 ng

RT: 18.50 min Scan# 2859

Delta R.T. 0.01 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

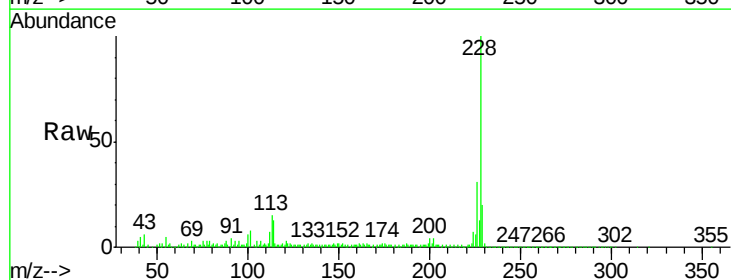
Tgt Ion:228 Resp: 426106

Ion Ratio Lower Upper

228 100

226 30.6 24.9 37.3

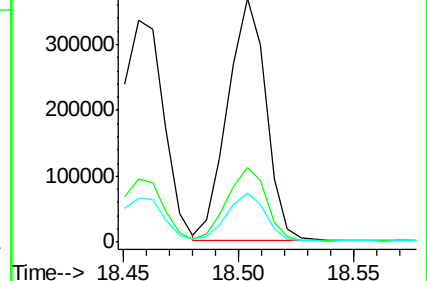
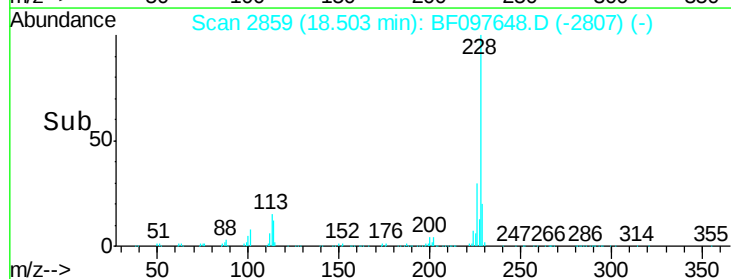
229 20.0 15.8 23.6

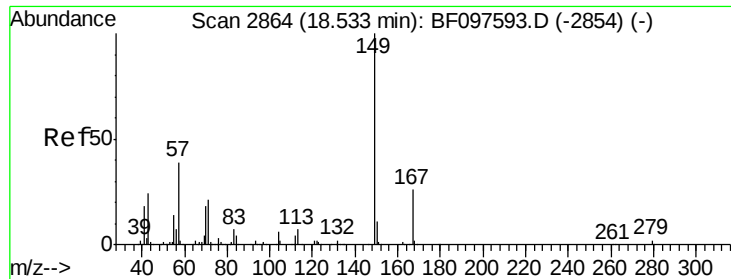


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

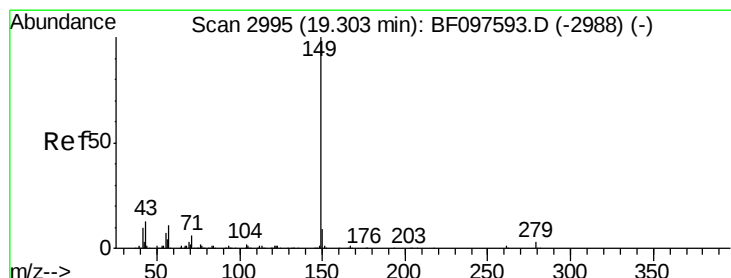
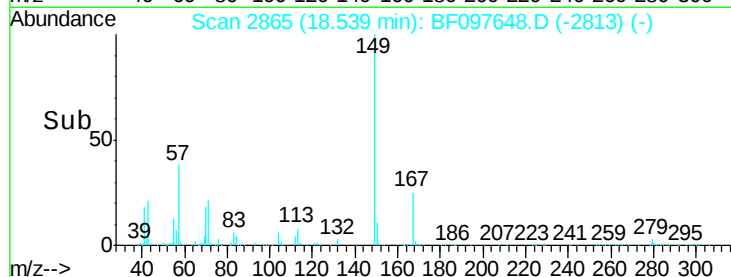
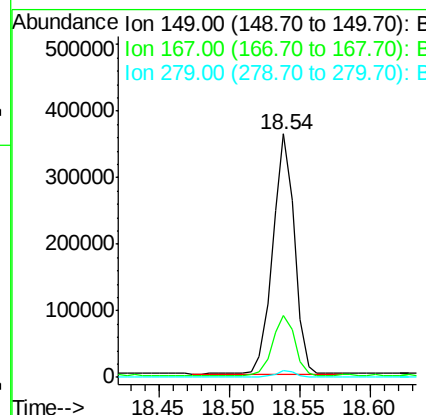
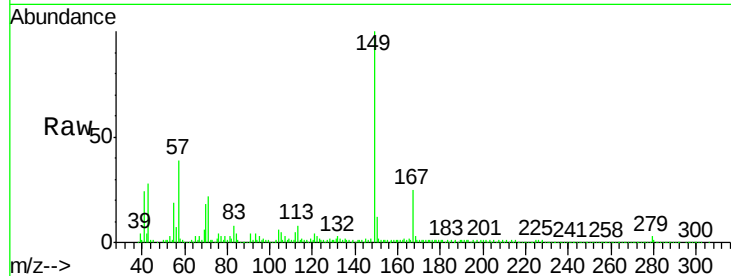




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 45.82 ng
 RT: 18.54 min Scan# 2865
 Delta R.T. 0.01 min
 Lab File: BF097648.D
 Acq: 12 Aug 2017 22:34

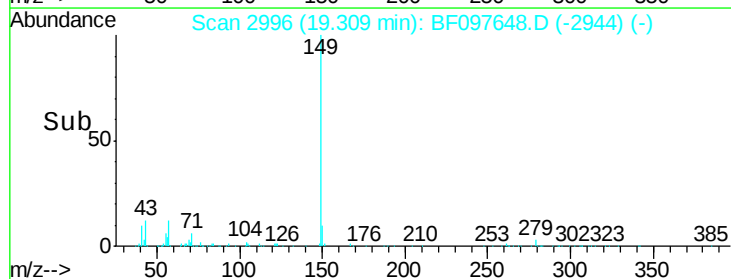
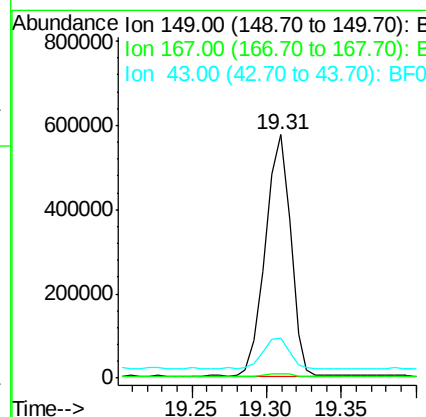
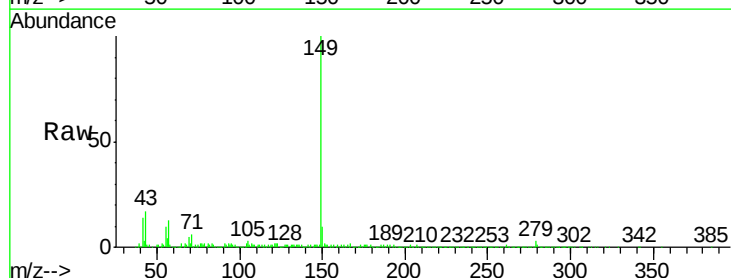
Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MS

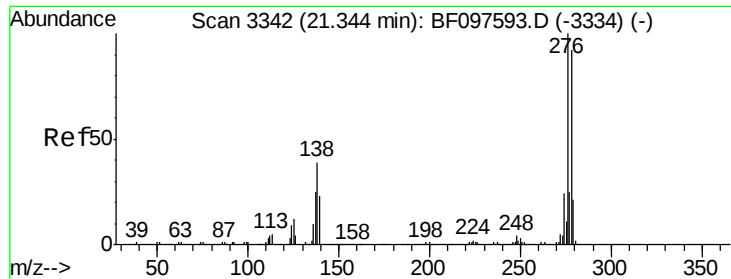
Tot Ion	Ratio	Lower	Upper
149	100		
167	25.3	21.0	31.4
279	2.6	1.9	2.9



#84
 Di-n-octyl phthalate
 Concen: 44.94 ng
 RT: 19.31 min Scan# 2996
 Delta R.T. 0.01 min
 Lab File: BF097648.D
 Acq: 12 Aug 2017 22:34

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	13.4	8.5	12.7#

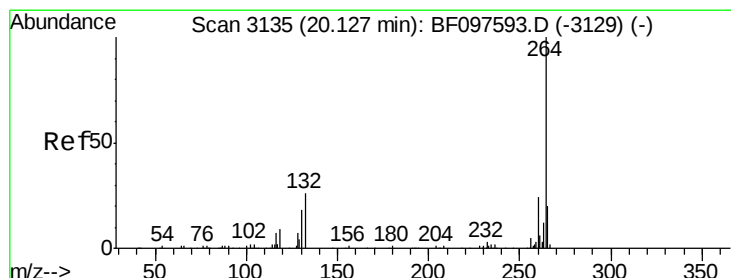
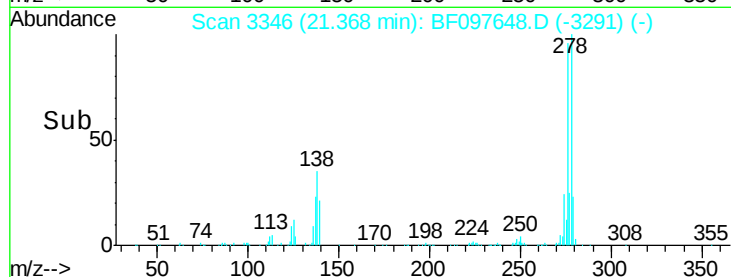
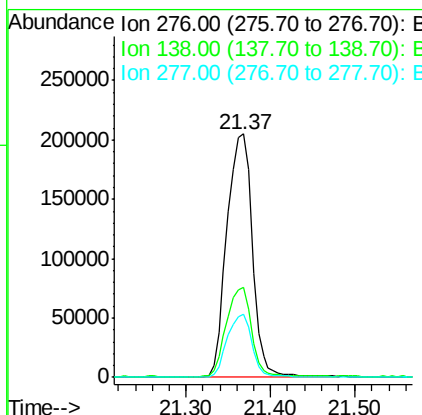
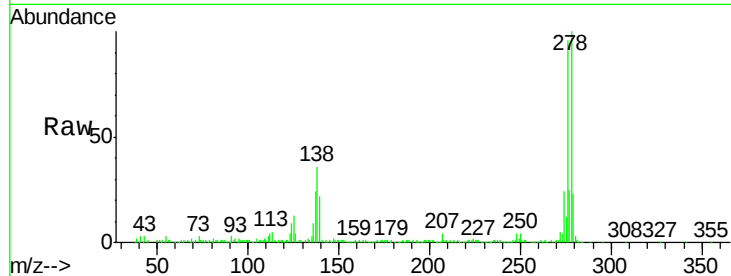




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 54.78 ng
 RT: 21.37 min Scan# 3346
 Delta R.T. 0.02 min
 Lab File: BF097648.D
 Acq: 12 Aug 2017 22:34

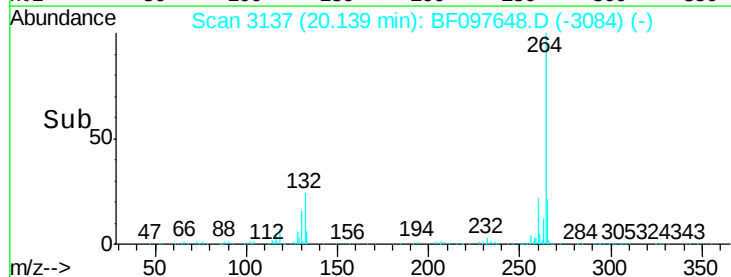
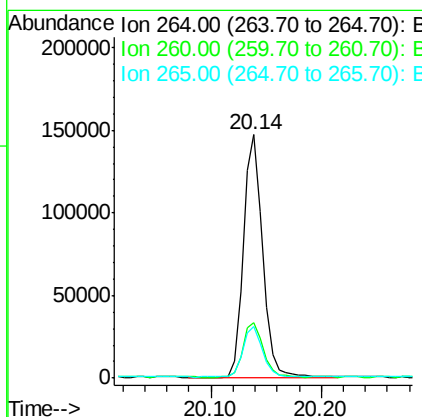
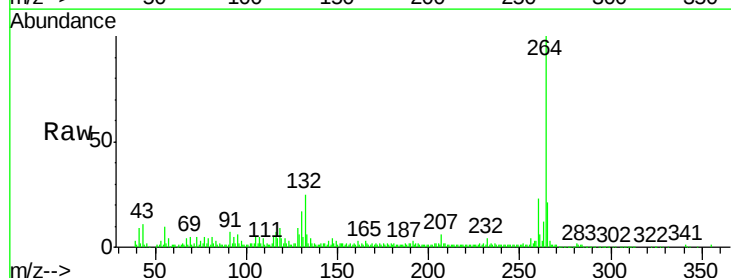
Instrument :
 BNA_F
 ClientSampleId :
 VE-4-11MS

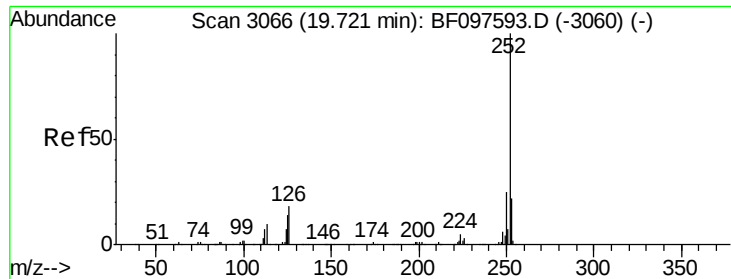
Tot Ion:276 Resp: 428421
 Ion Ratio Lower Upper
 276 100
 138 35.7 27.8 41.6
 277 25.5 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.14 min Scan# 3137
 Delta R.T. 0.01 min
 Lab File: BF097648.D
 Acq: 12 Aug 2017 22:34

Tgt Ion:264 Resp: 178390
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.5 29.3
 265 21.4 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 45.29 ng

RT: 19.73 min Scan# 3068

Delta R.T. 0.01 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

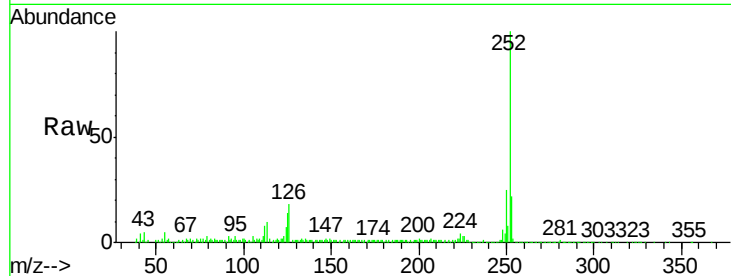
Tot Ion:252 Resp: 485141

Ion Ratio Lower Upper

252 100

253 22.0 18.1 27.1

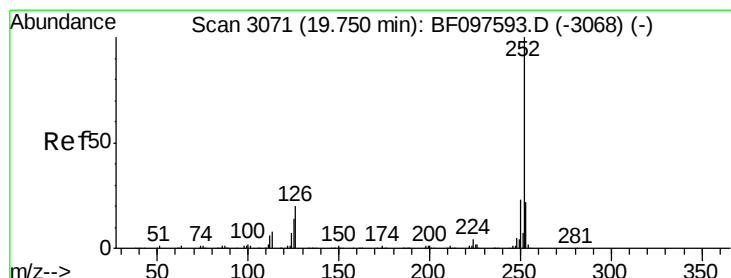
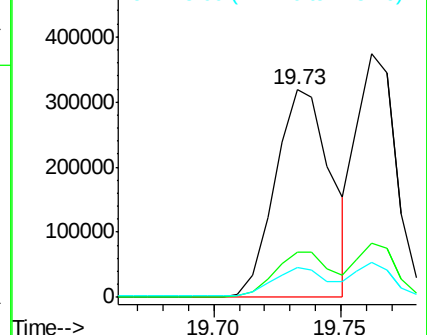
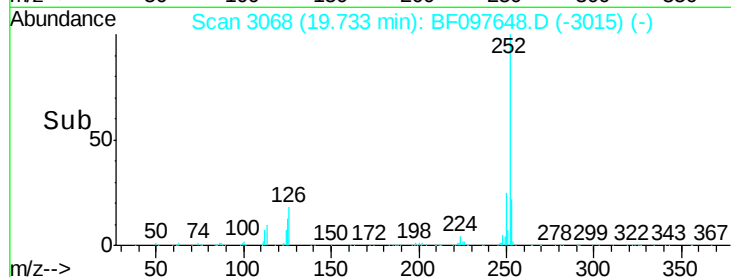
125 14.2 9.8 14.8



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: 37.98 ng

RT: 19.76 min Scan# 3073

Delta R.T. 0.01 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

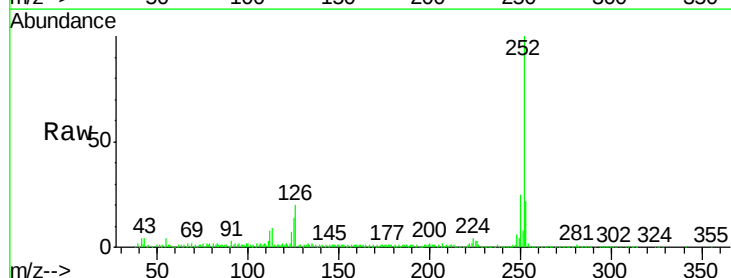
Tgt Ion:252 Resp: 409745

Ion Ratio Lower Upper

252 100

253 22.4 18.4 27.6

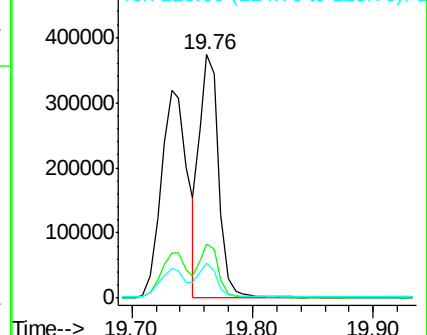
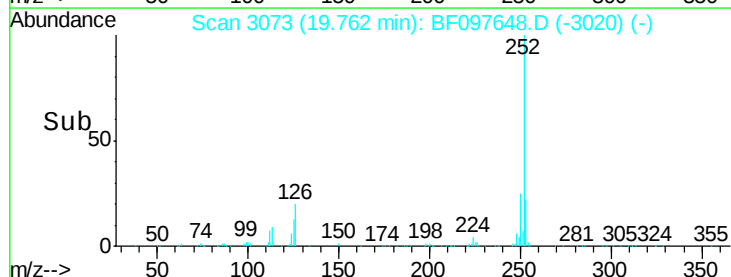
125 14.2 13.1 19.7

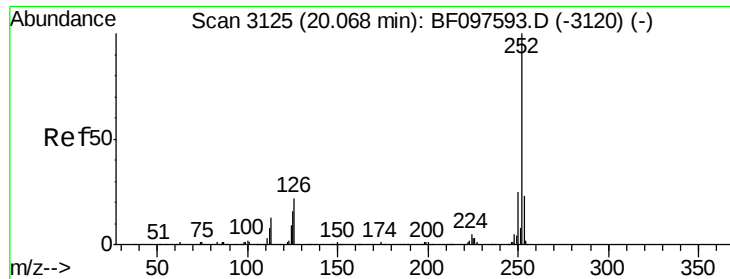


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

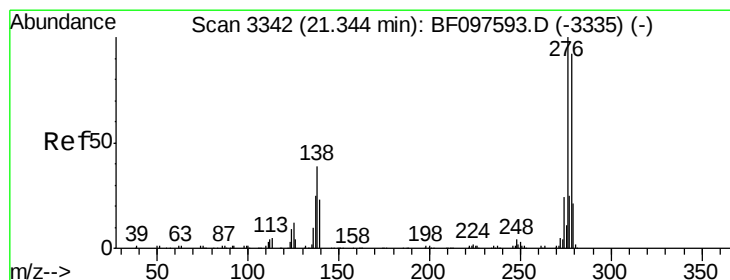
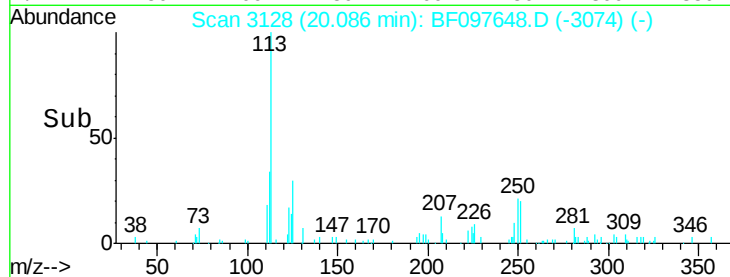
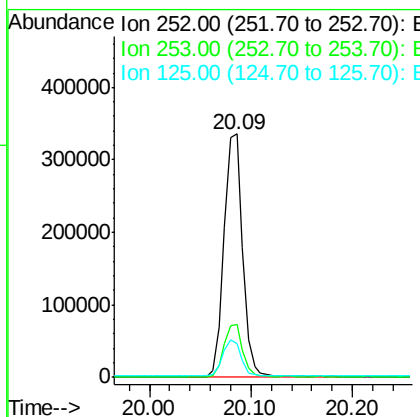
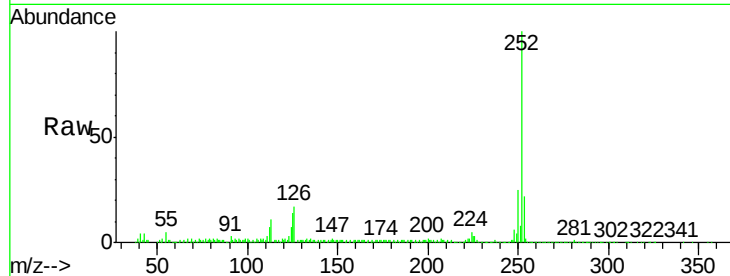




#89
Benzo(a)pyrene
Concen: 43.73 ng
RT: 20.09 min Scan# 3128
Delta R.T. 0.02 min
Lab File: BF097648.D
Acq: 12 Aug 2017 22:34

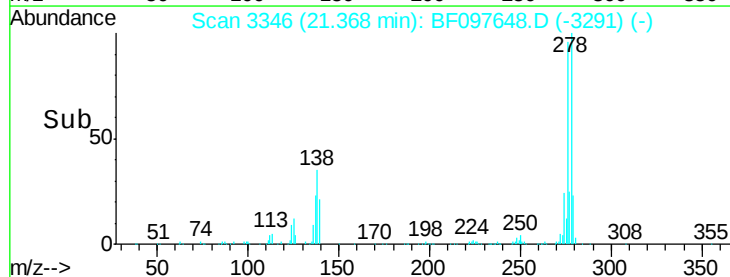
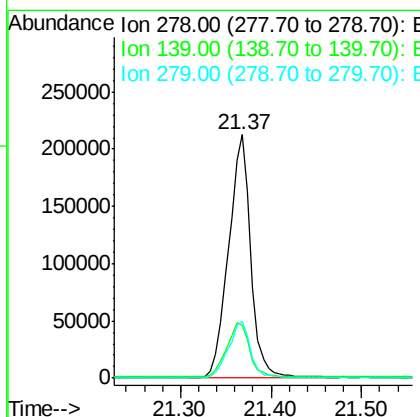
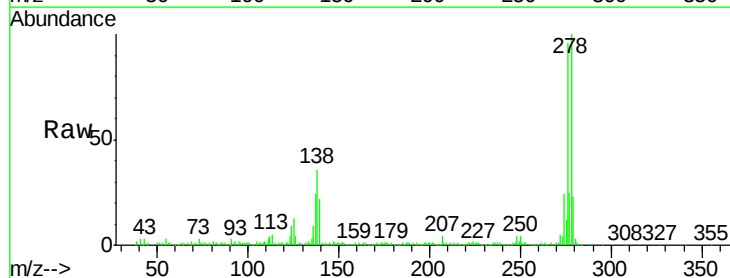
Instrument :
BNA_F
ClientSampleId :
VE-4-11MS

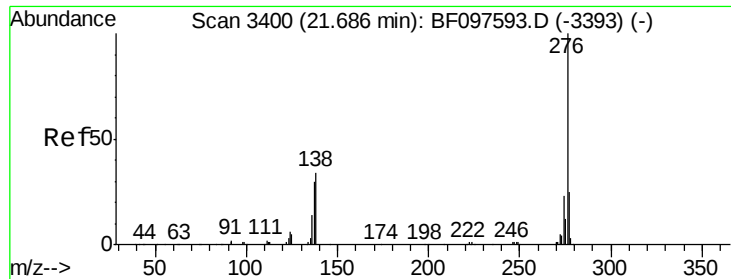
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	13.7	11.0	16.4



#90
Dibenzo(a,h)anthracene
Concen: 51.84 ng
RT: 21.37 min Scan# 3346
Delta R.T. 0.02 min
Lab File: BF097648.D
Acq: 12 Aug 2017 22:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.8	16.6	24.8
279	23.3	19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 46.38 ng

RT: 21.72 min Scan# 3405

Delta R.T. 0.03 min

Lab File: BF097648.D

Acq: 12 Aug 2017 22:34

Instrument :

BNA_F

ClientSampleId :

VE-4-11MS

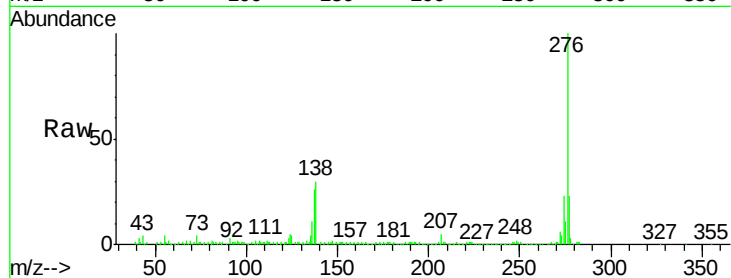
Tot Ion:276 Resp: 358196

Ion Ratio Lower Upper

276 100

277 23.2 18.6 28.0

138 29.6 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

