

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032817\
 Data File : BF094010.D
 Acq On : 28 Mar 2017 23:21
 Operator : SJ/MA
 Sample : I2421-02MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HHD-GW1MSD

Quant Time: Mar 29 02:40:55 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.93	152	159835	20.00	ng	-0.02
21) Naphthalene-d8	7.43	136	661674	20.00	ng	-0.02
38) Acenaphthene-d10	9.57	164	310824	20.00	ng	-0.02
63) Phenanthrene-d10	11.40	188	538989	20.00	ng	-0.02
75) Chrysene-d12	14.65	240	360891	20.00	ng	-0.03
86) Perylene-d12	16.28	264	274265	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	4.48	112	1171731	123.82	ng	0.00
7) Phenol-d6	5.54	99	1447700	123.66	ng	-0.01
23) Nitrobenzene-d5	6.58	82	1019106	87.90	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	354705	144.41	ng	-0.02
44) 2-Fluorobiphenyl	8.76	172	1886763	92.59	ng	-0.02
78) Terphenyl-d14	13.38	244	1492440	92.70	ng	-0.02

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.35	88	183922	40.45	ng	97
3) Pyridine	2.82	79	407679	32.90	ng	98
4) n-Nitrosodimethylamine	2.79	42	224878	44.11	ng	92
6) Aniline	5.56	93	306045	18.79	ng	# 34
8) 2-Chlorophenol	5.70	128	497049	47.79	ng	95
9) Benzaldehyde	5.42	77	118733	15.02	ng	98
10) Phenol	5.55	94	537561	40.35	ng	95
11) bis(2-Chloroethyl)ether	5.64	93	477528	45.87	ng	97
12) 1,3-Dichlorobenzene	5.86	146	543013	46.54	ng	99
13) 1,4-Dichlorobenzene	5.95	146	544200	46.05	ng	97
14) 1,2-Dichlorobenzene	6.13	146	506895	46.58	ng	96
15) Benzyl Alcohol	6.10	79	421210	49.16	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.26	45	677777	42.25	ng	98
17) 2-Methylphenol	6.24	107	422008	47.37	ng	98
18) Hexachloroethane	6.52	117	195234	47.00	ng	# 86
19) n-Nitroso-di-n-propylamine	6.42	70	358808	47.69	ng	96
20) 3+4-Methylphenols	6.42	107	518799	48.09	ng	# 63
22) Acetophenone	6.40	105	724608	49.14	ng	# 88
24) Nitrobenzene	6.60	77	530648	46.41	ng	94
25) Isophorone	6.89	82	985204	48.36	ng	95
26) 2-Nitrophenol	6.98	139	284025	52.08	ng	99
27) 2,4-Dimethylphenol	7.05	122	474481	50.50	ng	98
28) bis(2-Chloroethoxy)methane	7.15	93	633184	47.13	ng	99
29) 2,4-Dichlorophenol	7.27	162	447333	50.92	ng	99
30) 1,2,4-Trichlorobenzene	7.37	180	436141	48.20	ng	98
31) Naphthalene	7.46	128	1470975	46.23	ng	100
32) Benzoic acid	7.17	122	137729	22.02	ng	96
33) 4-Chloroaniline	7.52	127	155190	12.04	ng	94
34) Hexachlorobutadiene	7.62	225	215524	46.45	ng	98
35) Caprolactam	7.98	113	79079	28.23	ng	93
36) 4-Chloro-3-methylphenol	8.15	107	480957	52.39	ng	88
37) 2-Methylnaphthalene	8.30	142	1045202	49.28	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.51	216	386379	45.44	ng	99
40) Hexachlorocyclopentadiene	8.50	237	365145	91.77	ng	99

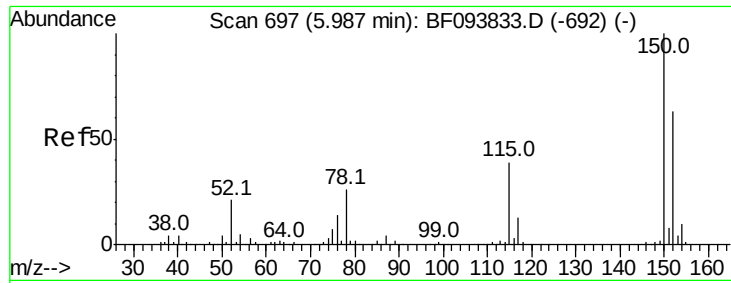
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.66	196	304924	50.69	nq	97
43) 2,4,5-Trichlorophenol	8.71	196	315155	48.41	nq	95
45) 1,1'-Biphenyl	8.88	154	1167627	46.57	nq	98
46) 2-Chloronaphthalene	8.90	162	928258	47.30	nq	94
47) 2-Nitroaniline	9.03	65	284257	48.83	nq	# 81
48) Acenaphthylene	9.40	152	1475569	45.24	nq	99
49) Dimethylphthalate	9.27	163	1132593	51.26	nq	100
50) 2,6-Dinitrotoluene	9.33	165	258752	51.09	nq	92
51) Acenaphthene	9.62	154	881198	46.30	nq	99
52) 3-Nitroaniline	9.53	138	129955	21.85	nq	94
53) 2,4-Dinitrophenol	9.66	184	208895	77.24	nq	# 74
54) Dibenzofuran	9.83	168	1259216	48.60	nq	100
55) 4-Nitrophenol	9.77	139	338232	72.62	nq	# 66
56) 2,4-Dinitrotoluene	9.83	165	304729	47.90	nq	# 68
57) Fluorene	10.25	166	946894	44.07	nq	99
58) 2,3,4,6-Tetrachlorophenol	9.99	232	235175	52.65	nq	97
59) Diethylphthalate	10.14	149	1100391	50.39	nq	98
60) 4-Chlorophenyl-phenylether	10.26	204	408381	44.62	nq	94
61) 4-Nitroaniline	10.29	138	260553	45.65	nq	95
62) Azobenzene	10.46	77	1060890	51.36	nq	94
64) 4,6-Dinitro-2-methylphenol	10.33	198	147390	44.65	nq	# 77
65) n-Nitrosodiphenylamine	10.41	169	911993	48.93	nq	98
66) 4-Bromophenyl-phenylether	10.86	248	263562	49.72	nq	97
67) Hexachlorobenzene	10.93	284	268198	49.98	nq	# 85
68) Atrazine	11.08	200	266921	47.81	nq	96
69) Pentachlorophenol	11.17	266	281661	84.33	nq	99
70) Phenanthrene	11.43	178	1396363	46.57	nq	100
71) Anthracene	11.50	178	1463294	47.40	nq	99
72) Carbazole	11.70	167	1318921	41.66	nq	99
73) Di-n-butylphthalate	12.15	149	1673434	50.83	nq	100
74) Fluoranthene	12.89	202	1379118	44.92	nq	99
76) Benzidine	13.06	184	526573	36.87	nq	# 92
77) Pyrene	13.17	202	1380025	52.69	nq	99
79) Butylbenzylphthalate	13.99	149	668368	59.89	nq	# 85
80) Benzo(a)anthracene	14.64	228	1036011	49.23	nq	98
81) 3,3'-Dichlorobenzidine	14.61	252	199727	26.55	nq	97
82) Chrysene	14.69	228	889219	45.53	nq	99
83) Bis(2-ethylhexyl)phthalate	14.70	149	913139	59.98	nq	# 100
84) Di-n-octyl phthalate	15.45	149	1490757	58.61	nq	98
85) Indeno(1,2,3-cd)pyrene	17.64	276	794744	46.99	nq	99
87) Benzo(b)fluoranthene	15.87	252	833918	49.60	nq	98
88) Benzo(k)fluoranthene	15.90	252	789232	47.98	nq	95
89) Benzo(a)pyrene	16.22	252	766672	49.52	nq	98
90) Dibenzo(a,h)anthracene	17.67	278	673767	51.39	nq	99
91) Benzo(g,h,i)perylene	18.05	276	653556	49.46	nq	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.93 min Scan# 687

Delta R.T. -0.02 min

Lab File: BF094010.D

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HHD-GW1MSD

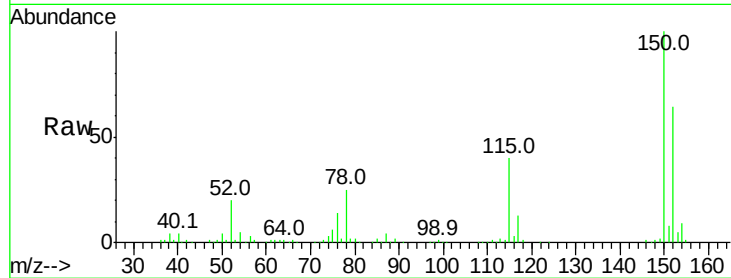
Tot Ion:152 Resp: 159835

Ion Ratio Lower Upper

152 100

150 157.0 126.2 189.2

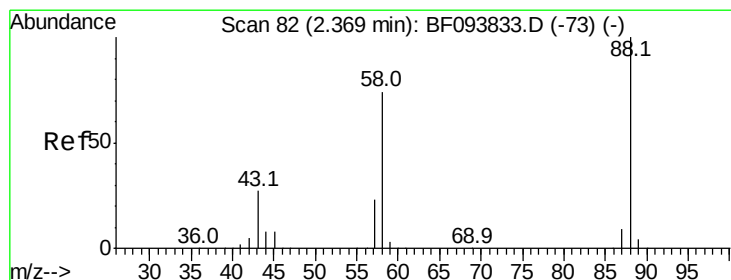
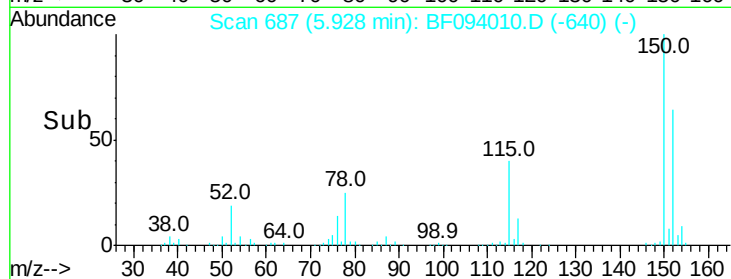
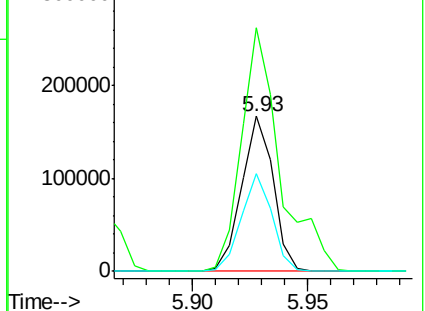
115 63.3 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 40.45 ng

RT: 2.35 min Scan# 78

Delta R.T. 0.02 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

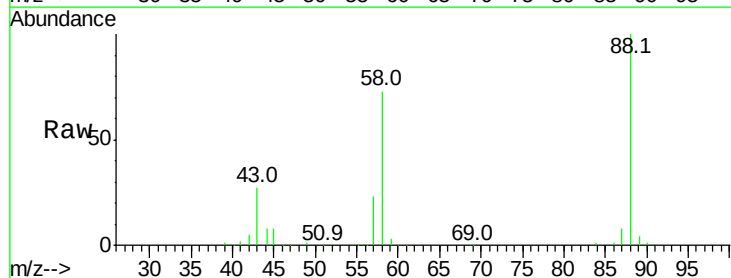
Tgt Ion: 88 Resp: 183922

Ion Ratio Lower Upper

88 100

58 74.1 61.4 92.0

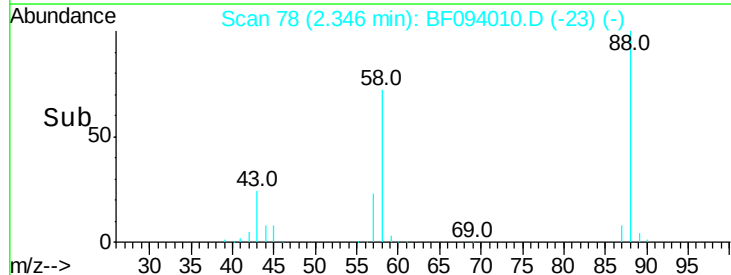
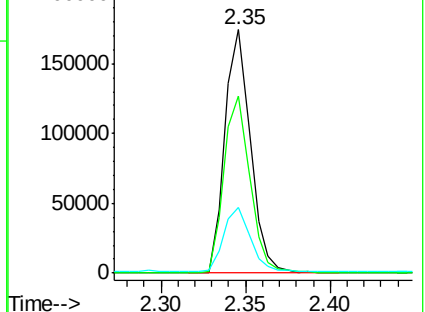
43 27.9 23.4 35.0

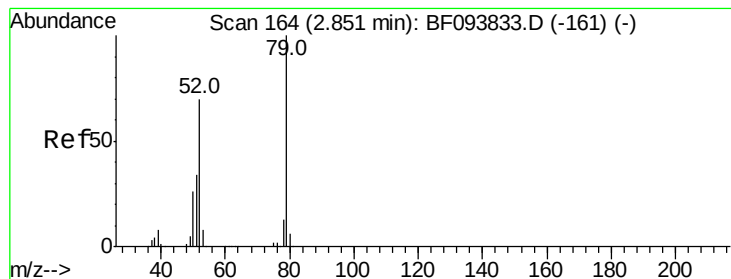


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 32.90 ng

RT: 2.82 min Scan# 159

Delta R.T. 0.01 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

Instrument :

BNA_F

ClientSampleId :

HHD-GW1MSD

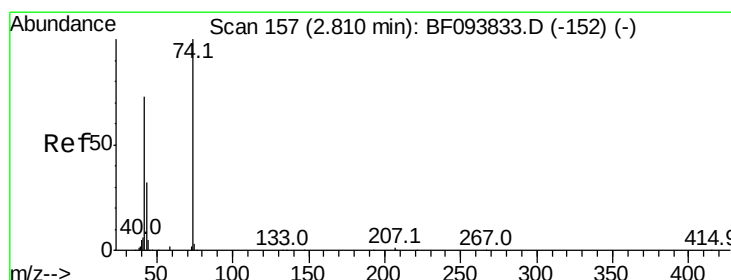
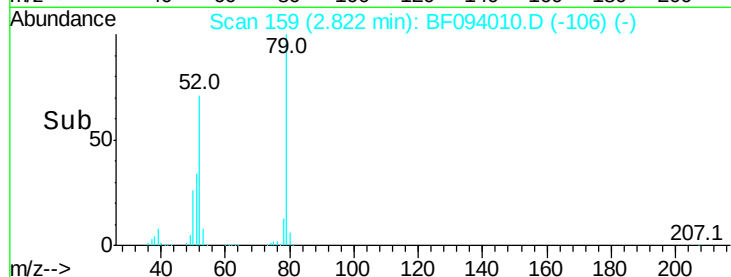
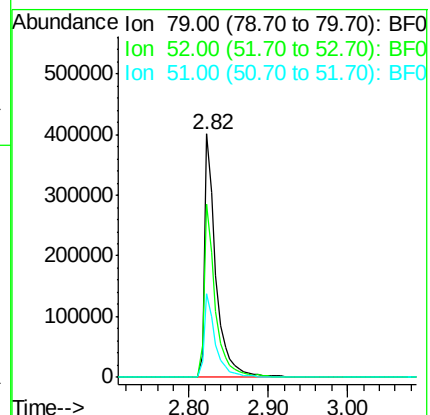
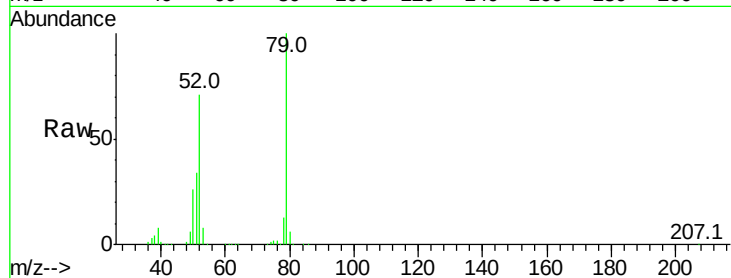
Tot Ion: 79 Resp: 407679

Ion Ratio Lower Upper

79 100

52 71.0 54.8 82.2

51 34.1 27.0 40.4



#4

n-Nitrosodimethylamine

Concen: 44.11 ng

RT: 2.79 min Scan# 153

Delta R.T. 0.01 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

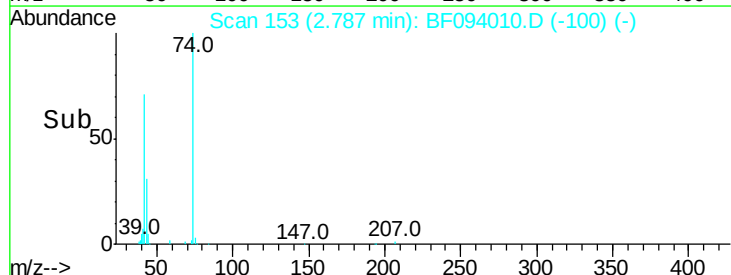
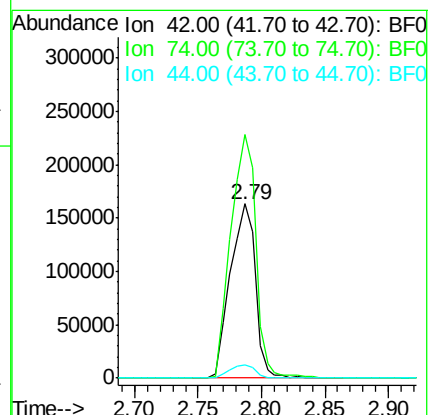
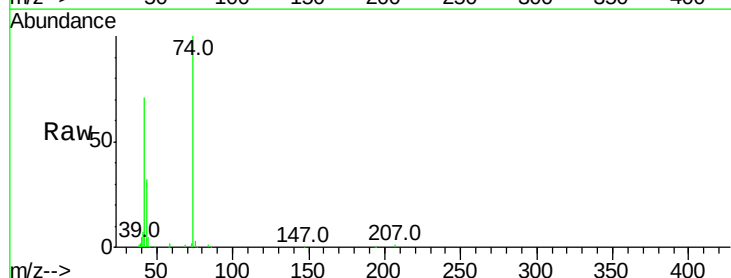
Tgt Ion: 42 Resp: 224878

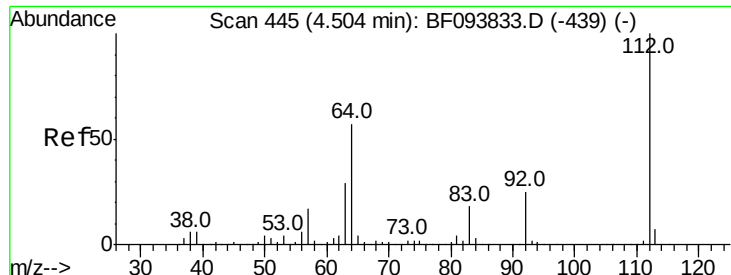
Ion Ratio Lower Upper

42 100

74 140.0 103.9 155.9

44 7.3 5.7 8.5





#5

2-Fluorophenol

Concen: 123.82 ng

RT: 4.48 min Scan# 440

Delta R.T. 0.00 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

Instrument :

BNA_F

ClientSampleId :

HHD-GW1MSD

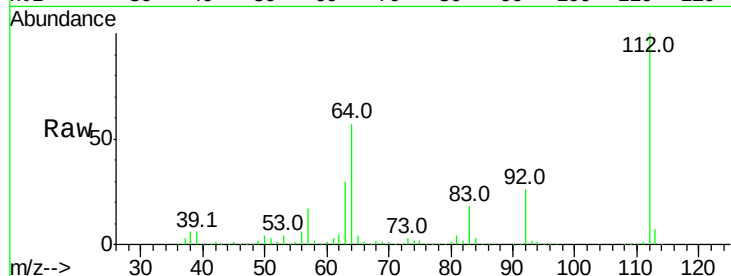
Tot Ion:112 Resp: 1171731

Ion Ratio Lower Upper

112 100

64 57.2 46.0 69.0

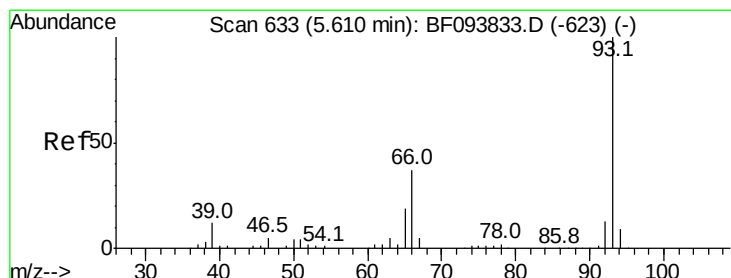
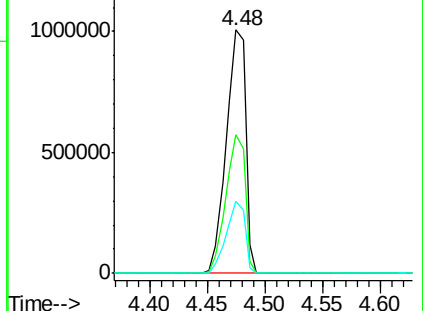
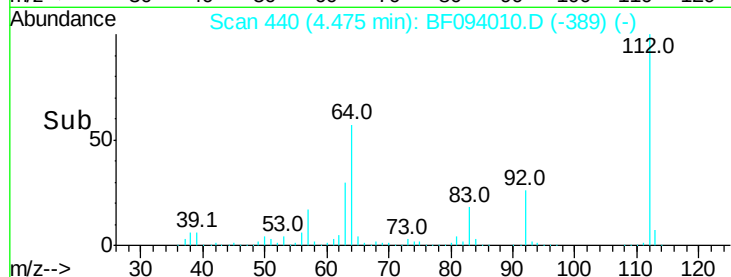
63 29.8 23.4 35.0



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: 18.79 ng

RT: 5.56 min Scan# 624

Delta R.T. -0.02 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

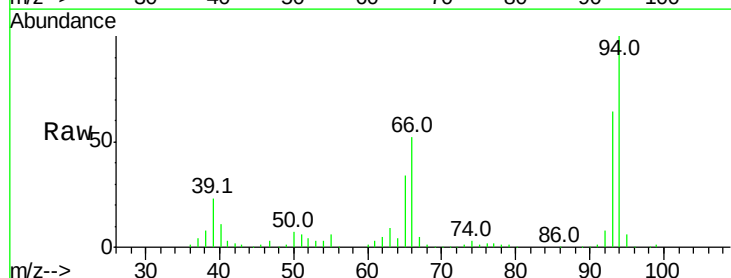
Tgt Ion: 93 Resp: 306045

Ion Ratio Lower Upper

93 100

66 81.3 32.9 49.3#

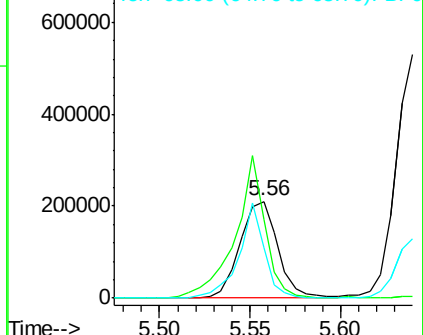
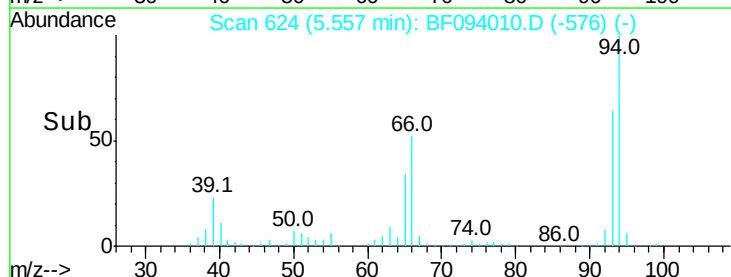
65 52.4 16.0 24.0#

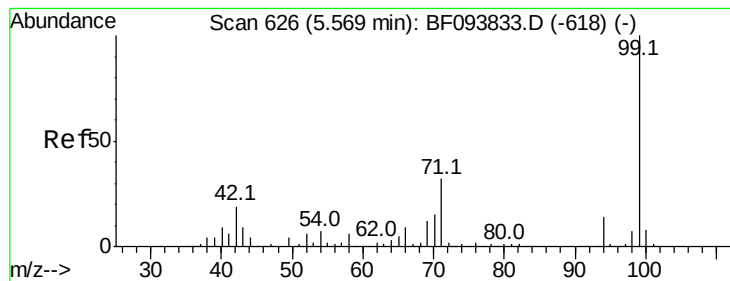


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 123.66 ng

RT: 5.54 min Scan# 621

Delta R.T. -0.01 min

Lab File: BF094010.D

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ClientSampleId :

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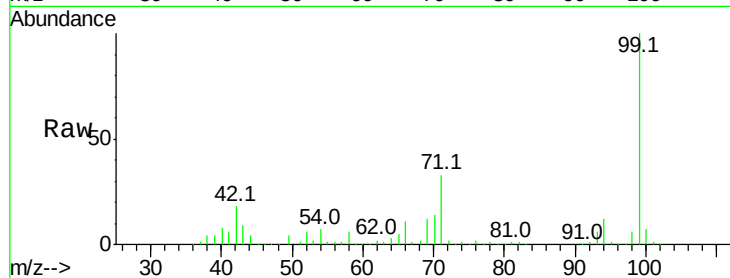
Tot Ion: 99 Resp: 1447700

Ion Ratio Lower Upper

99 100

42 17.9 13.5 20.3

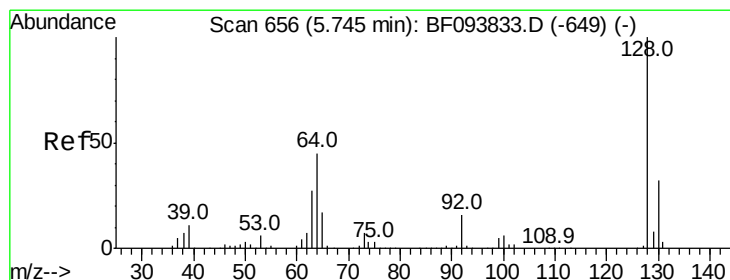
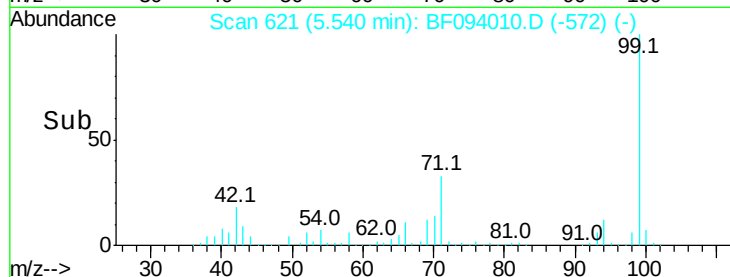
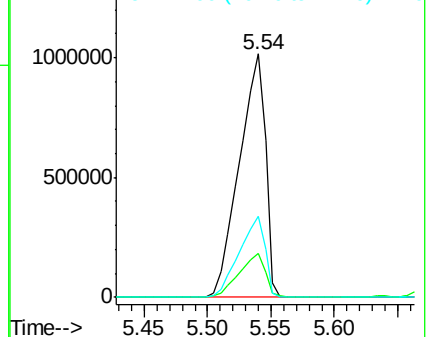
71 33.2 24.5 36.7



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: 47.79 ng

RT: 5.70 min Scan# 648

Delta R.T. -0.02 min

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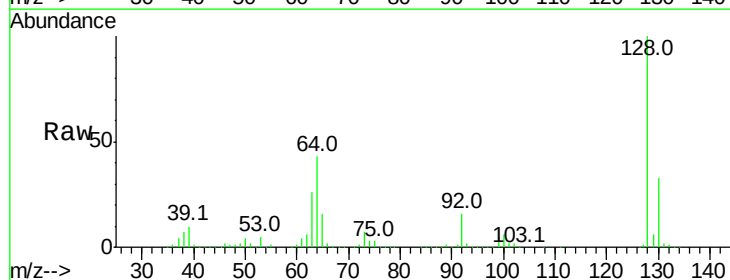
Tgt Ion:128 Resp: 497049

Ion Ratio Lower Upper

128 100

130 33.5 12.9 52.9

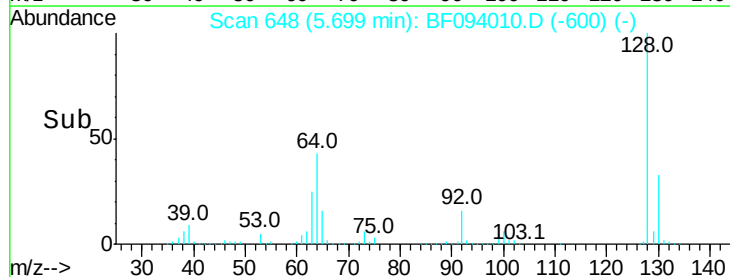
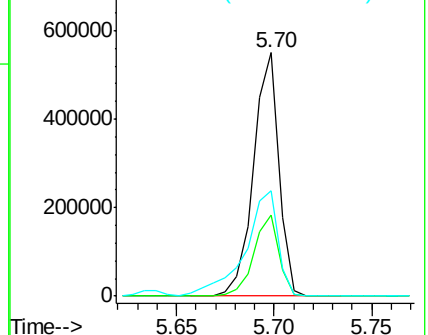
64 43.4 28.4 68.4

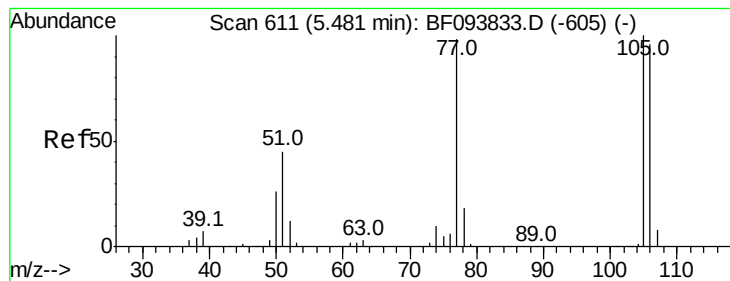


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 15.02 ng

RT: 5.42 min Scan# 601

Delta R.T. -0.02 min

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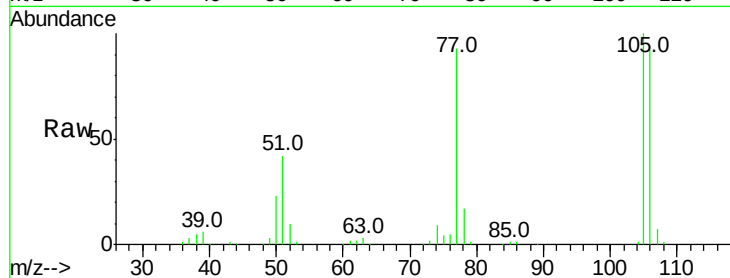
Tot Ion: 77 Resp: 118733

Ion Ratio Lower Upper

77 100

105 107.3 83.8 123.8

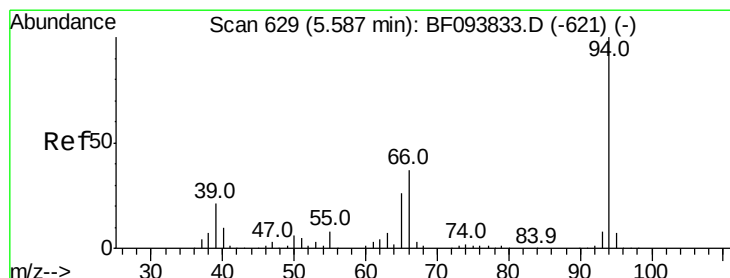
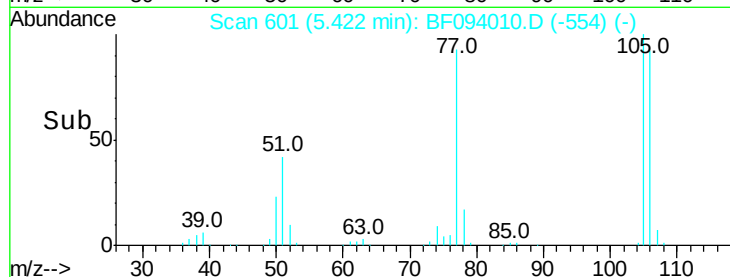
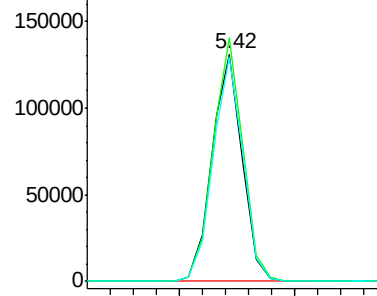
106 98.7 79.1 119.1



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: 40.35 ng

RT: 5.55 min Scan# 623

Delta R.T. -0.01 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

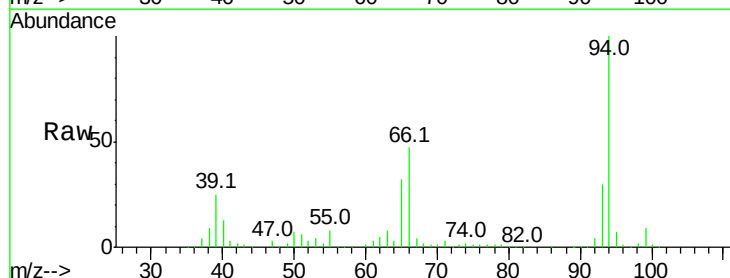
Tgt Ion: 94 Resp: 537561

Ion Ratio Lower Upper

94 100

65 31.6 9.9 49.9

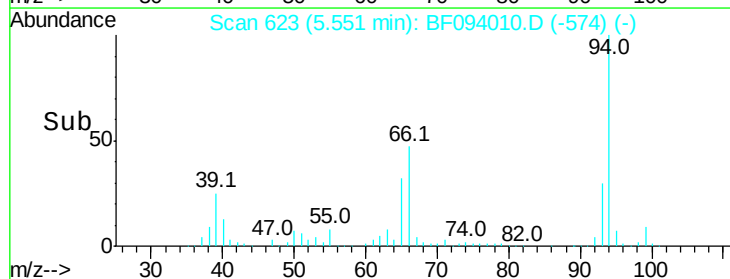
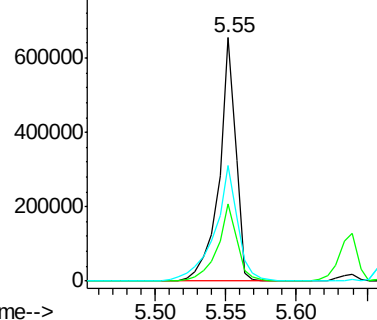
66 47.3 23.1 63.1

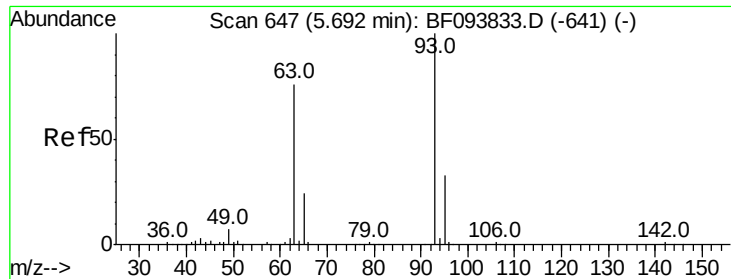


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

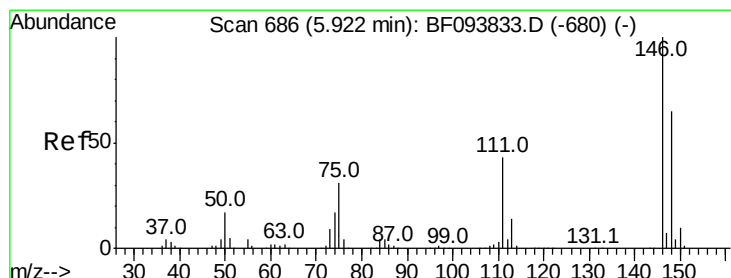
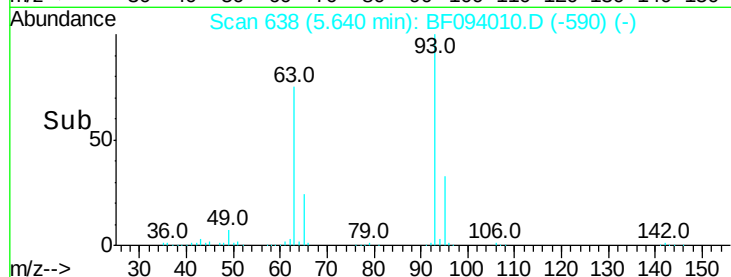
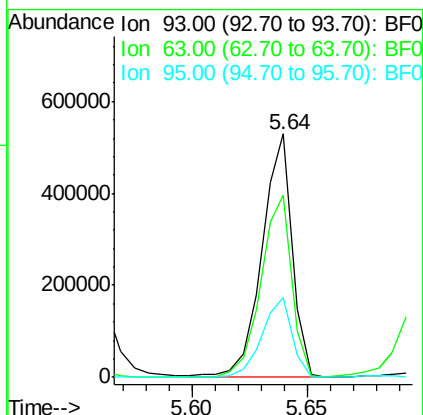
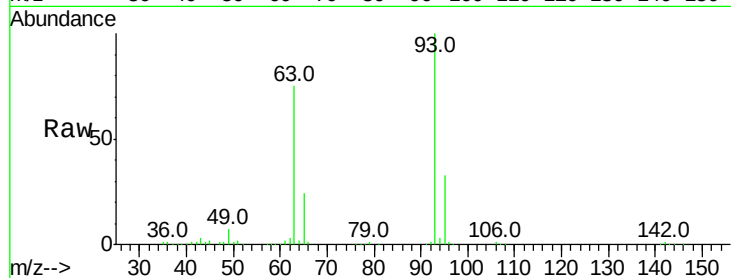




#11
bis(2-Chloroethyl)ether
Concen: 45.87 ng
RT: 5.64 min Scan# 638
Delta R.T. -0.02 min
Lab File: BF094010.D
Acq: 28 Mar 2017 23:21

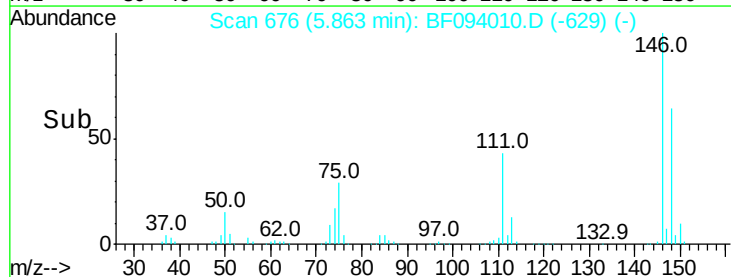
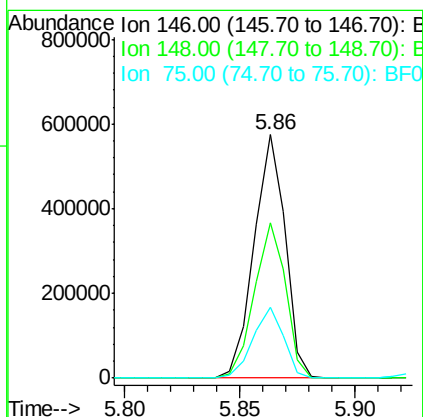
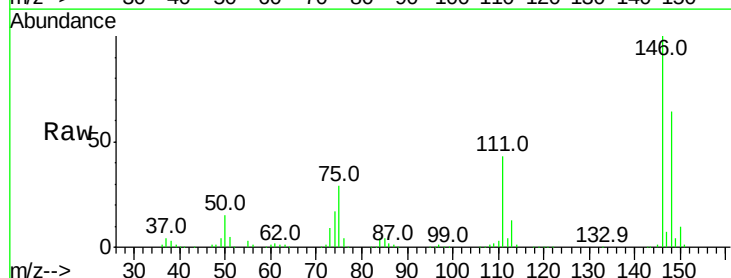
Instrument :
BNA_F
ClientSampleId :
HHD-GW1MSD

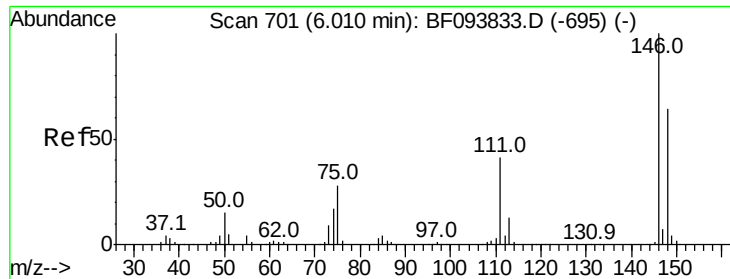
Tot Ion: 93 Resp: 477528
Ion Ratio Lower Upper
93 100
63 74.9 59.2 99.2
95 32.8 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 46.54 ng
RT: 5.86 min Scan# 676
Delta R.T. -0.02 min
Lab File: BF094010.D
Acq: 28 Mar 2017 23:21

Tgt Ion: 146 Resp: 543013
Ion Ratio Lower Upper
146 100
148 63.7 51.8 77.6
75 28.9 23.1 34.7

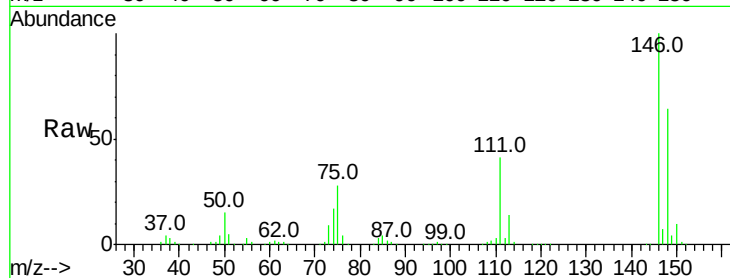




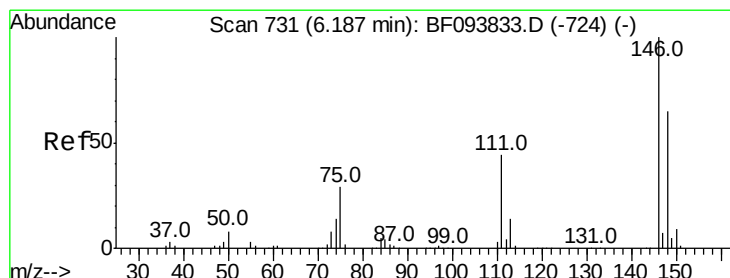
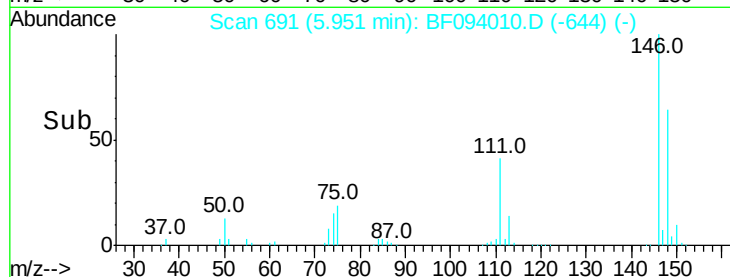
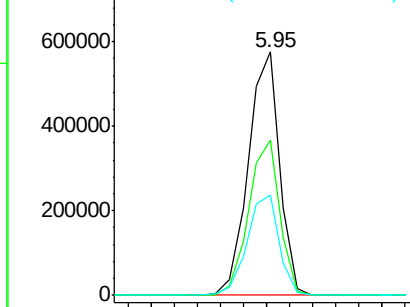
#13
 1,4-Dichlorobenzene
 Concen: 46.05 ng
 RT: 5.95 min Scan# 691
 Delta R.T. -0.02 min
 Lab File: BF094010.D
 Acq: 28 Mar 2017 23:21

Instrument :
 BNA_F
 ClientSampleId :
 HHD-GW1MSD

Tot Ion:146 Resp: 544200
 Ion Ratio Lower Upper
 146 100
 148 63.9 52.2 78.2
 111 41.2 30.3 45.5

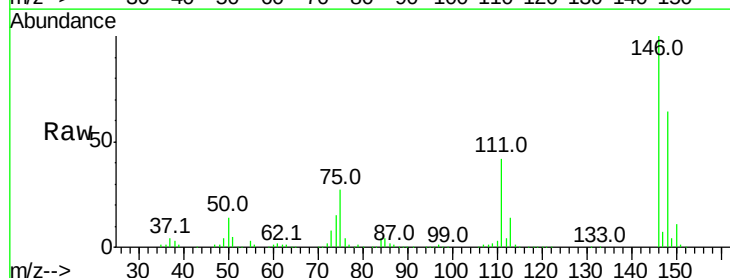


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

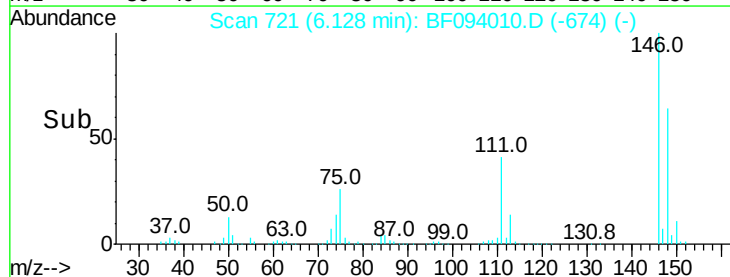
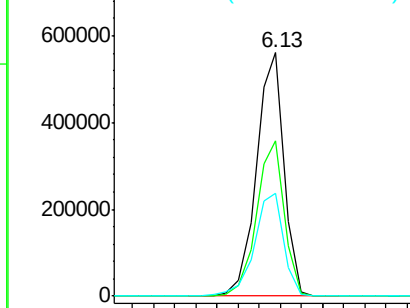


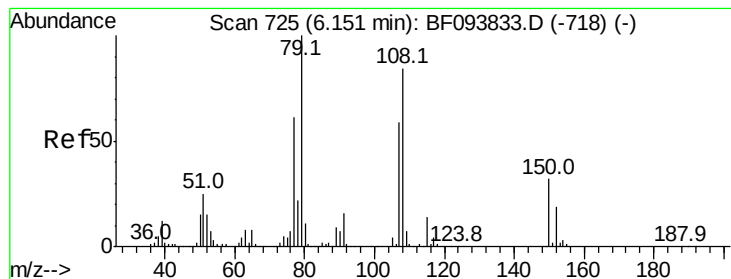
#14
 1,2-Dichlorobenzene
 Concen: 46.58 ng
 RT: 6.13 min Scan# 721
 Delta R.T. -0.02 min
 Lab File: BF094010.D
 Acq: 28 Mar 2017 23:21

Tgt Ion:146 Resp: 506895
 Ion Ratio Lower Upper
 146 100
 148 64.0 50.4 75.6
 111 42.0 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: 49.16 ng

RT: 6.10 min Scan# 716

Delta R.T. -0.02 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

Instrument :

BNA_F

ClientSampleId :

HHD-GW1MSD

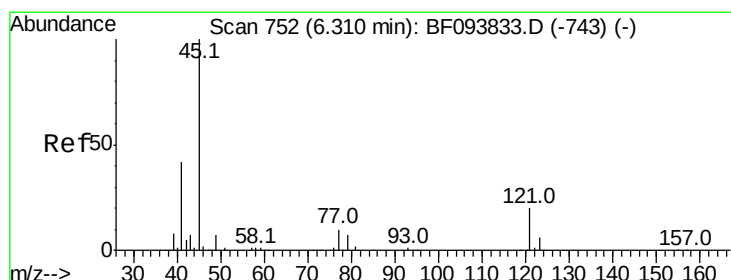
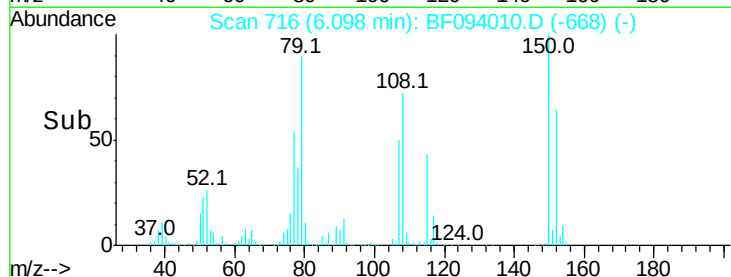
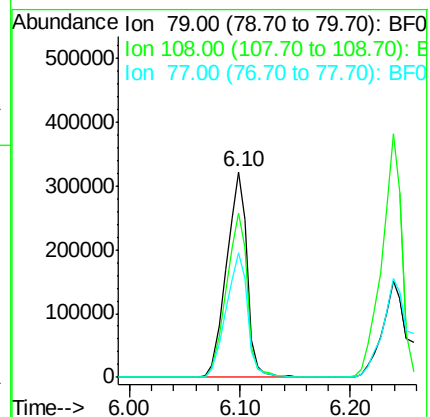
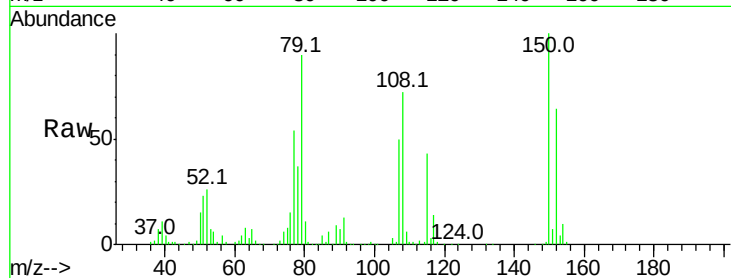
Tot Ion: 79 Resp: 421210

Ion Ratio Lower Upper

79 100

108 79.7 63.4 95.0

77 60.6 49.2 73.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 42.25 ng

RT: 6.26 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

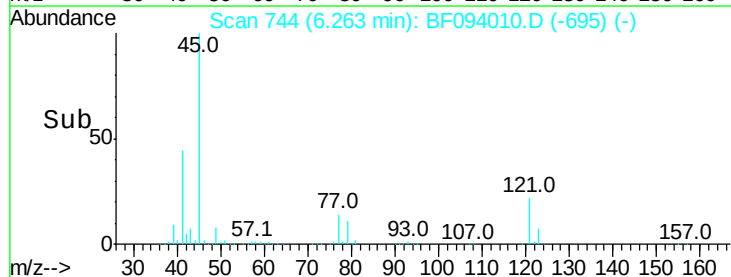
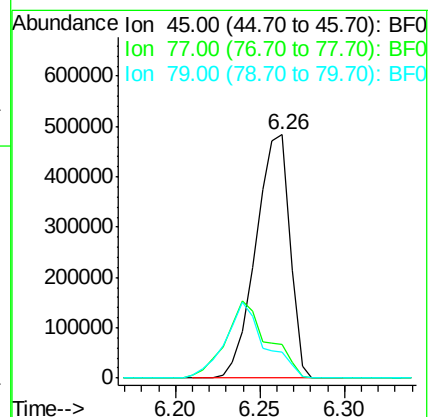
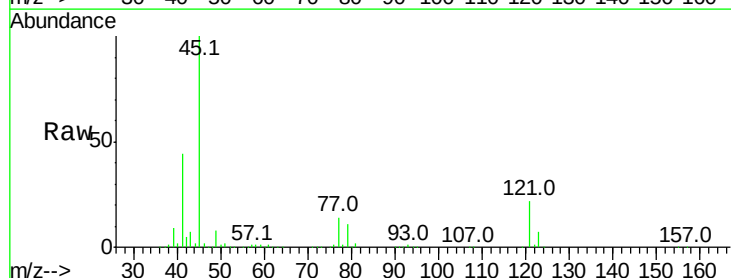
Tgt Ion: 45 Resp: 677777

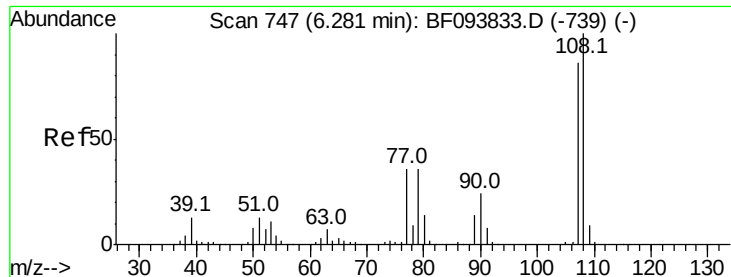
Ion Ratio Lower Upper

45 100

77 14.1 0.0 33.2

79 10.9 0.0 30.0





#17

2-Methylphenol

Concen: 47.37 ng

RT: 6.24 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

Instrument :

BNA_F

ClientSampleId :

HHD-GW1MSD

Tot Ion:107 Resp: 422008

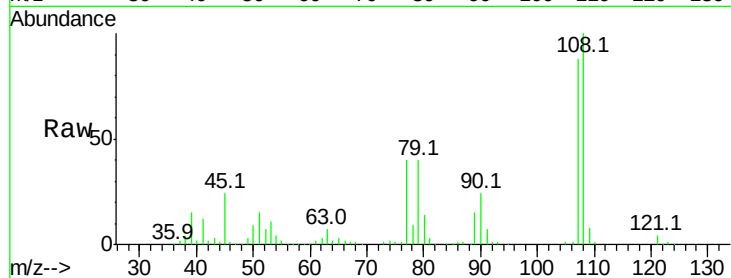
Ion Ratio Lower Upper

107 100

108 113.9 93.4 140.0

77 46.0 35.8 53.6

79 45.2 34.8 52.2

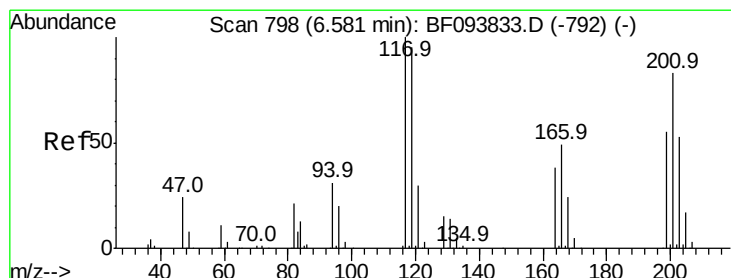
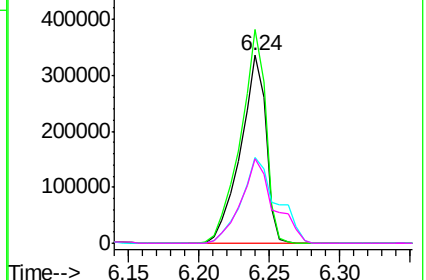
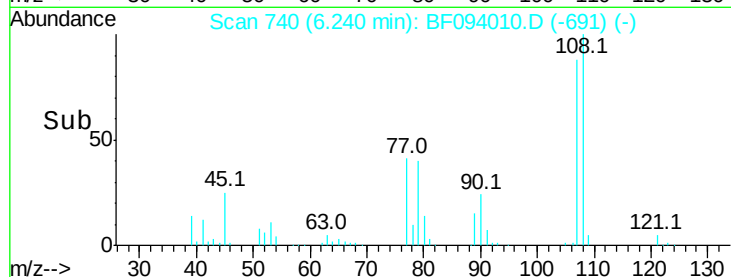


Abundance Ion 107.00 (106.70 to 107.70): E

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: 47.00 ng

RT: 6.52 min Scan# 788

Delta R.T. -0.02 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

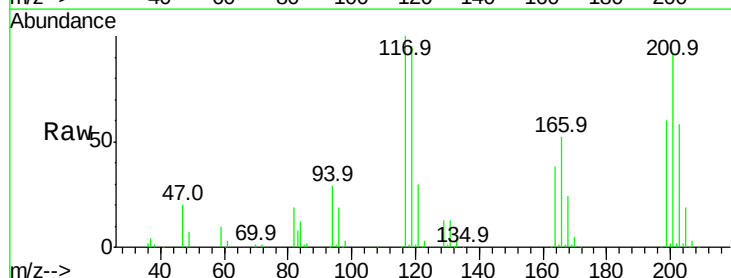
Tgt Ion:117 Resp: 195234

Ion Ratio Lower Upper

117 100

119 95.1 77.4 116.0

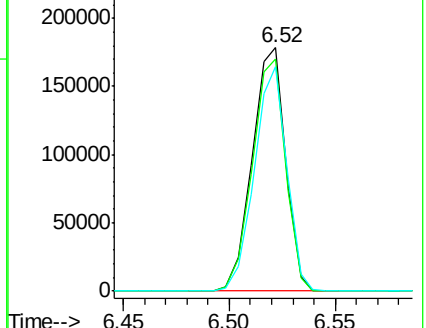
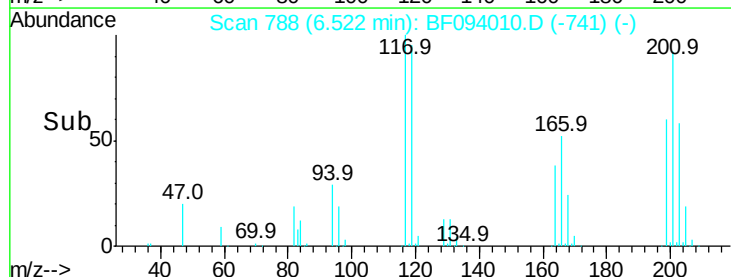
201 92.0 94.6 141.8#

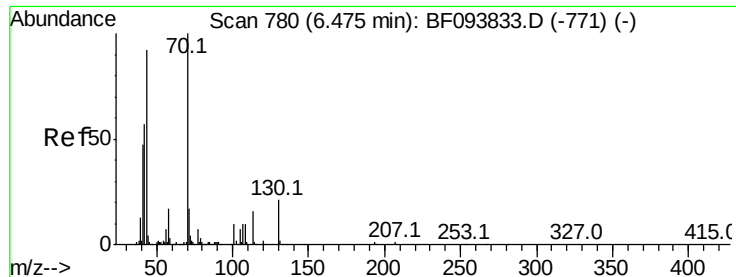


Abundance Ion 117.00 (116.70 to 117.70): E

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: 47.69 ng

RT: 6.42 min Scan# 771

Delta R.T. -0.02 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

Instrument :

BNA_F

ClientSampleId :

HHD-GW1MSD

Tot Ion: 70 Resp: 358808

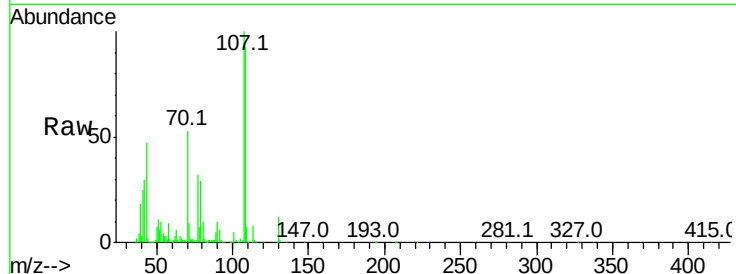
Ion Ratio Lower Upper

70 100

42 55.9 47.2 70.8

101 9.7 7.2 10.8

130 22.1 15.9 23.9

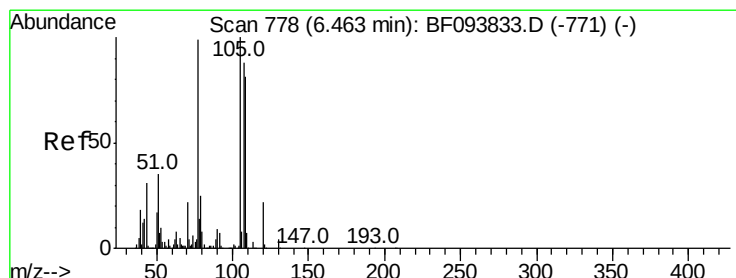
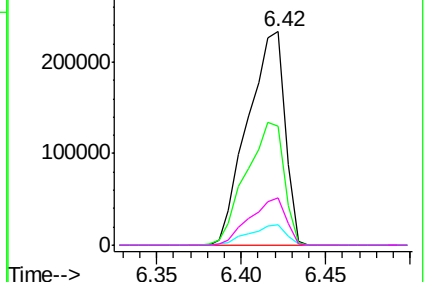
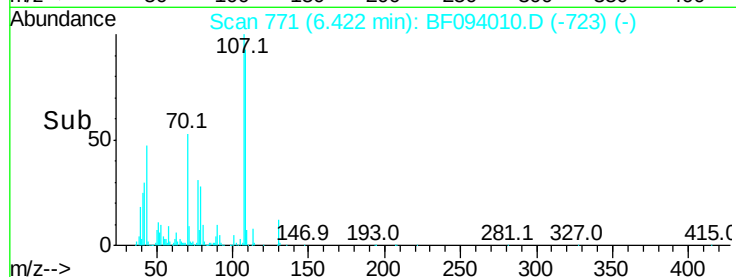


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#20

3+4-Methylphenols

Concen: 48.09 ng

RT: 6.42 min Scan# 771

Delta R.T. -0.01 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

Tgt Ion: 107 Resp: 518799

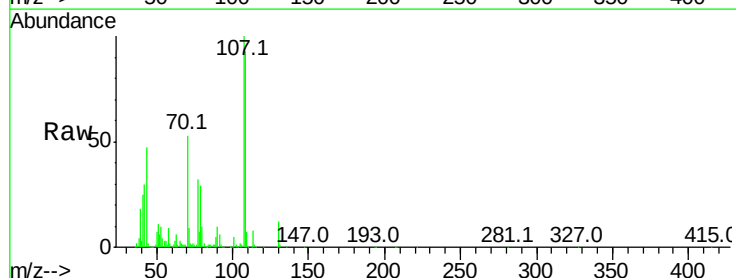
Ion Ratio Lower Upper

107 100

108 92.7 71.0 111.0

77 31.6 90.5 130.5#

79 28.7 8.4 48.4

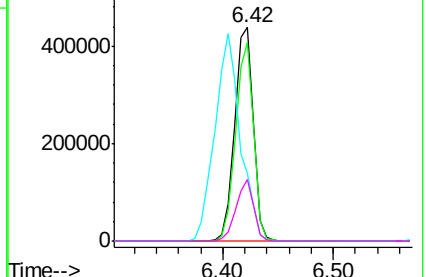
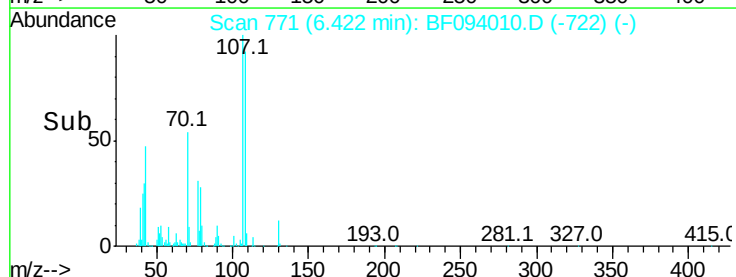


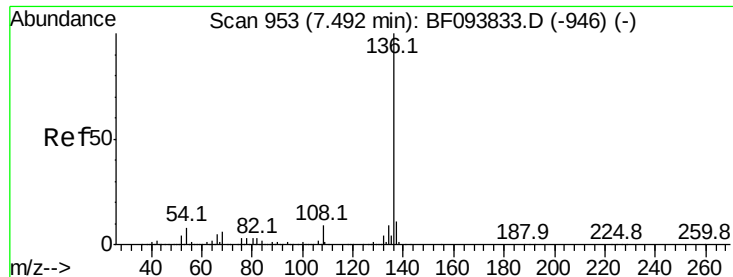
Abundance Ion 107.00 (106.70 to 107.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

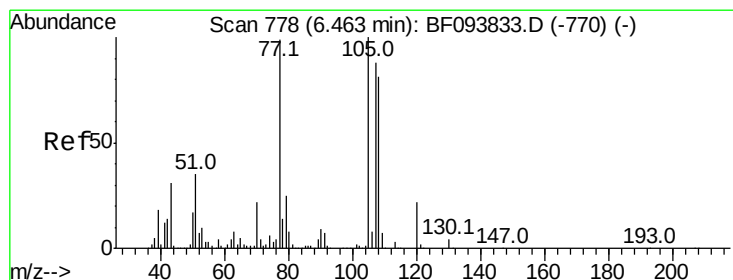
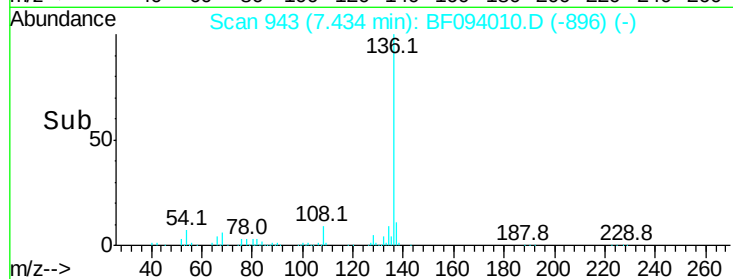
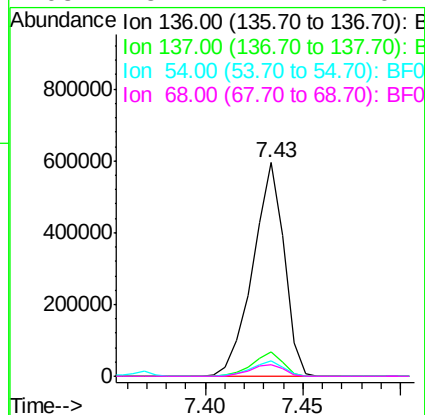
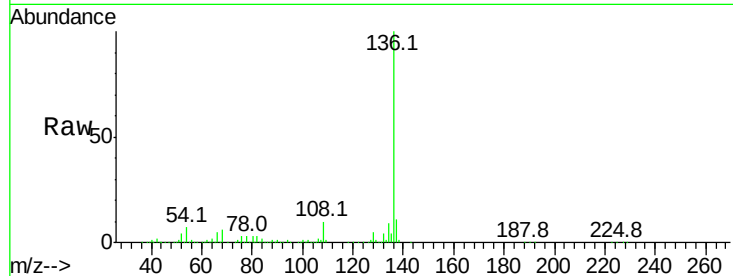




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.43 min Scan# 943
Delta R.T. -0.02 min
Lab File: BF094010.D
Acq: 28 Mar 2017 23:21

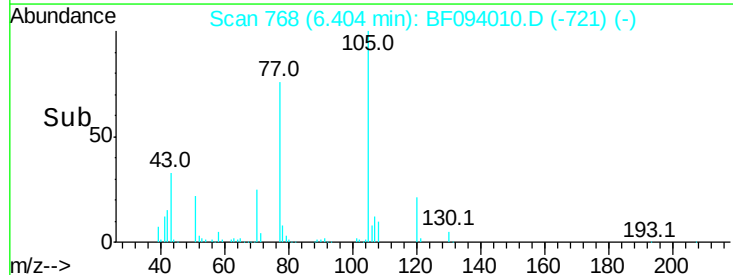
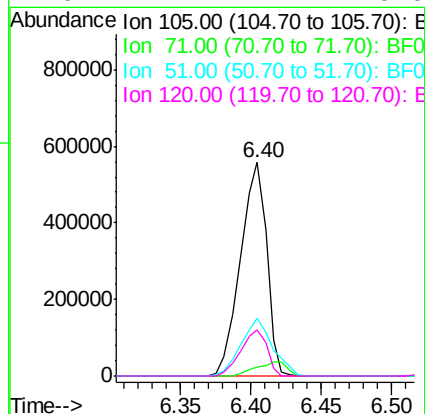
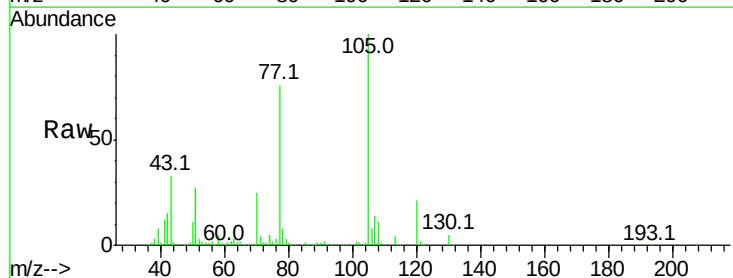
Instrument :
BNA_F
ClientSampleId :
HHD-GW1MSD

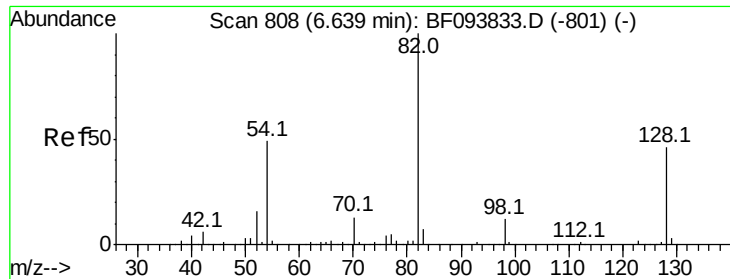
Tot Ion:136	Resp: 661674
Ion Ratio	Lower Upper
136 100	
137 11.2	8.5 12.7
54 7.0	4.9 7.3
68 5.7	4.1 6.1



#22
Acetophenone
Concen: 49.14 ng
RT: 6.40 min Scan# 768
Delta R.T. -0.02 min
Lab File: BF094010.D
Acq: 28 Mar 2017 23:21

Tgt	Ion:105	Resp:	724608
Ion	Ratio	Lower	Upper
105	100		
71	4.4	2.8	4.2#
51	26.8	30.7	46.1#
120	21.4	17.4	26.0



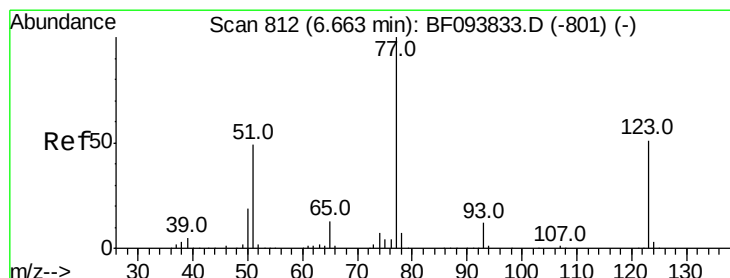
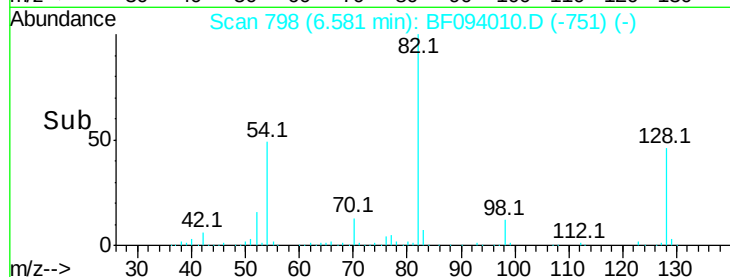
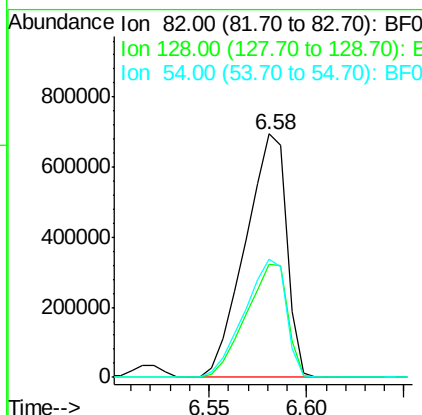
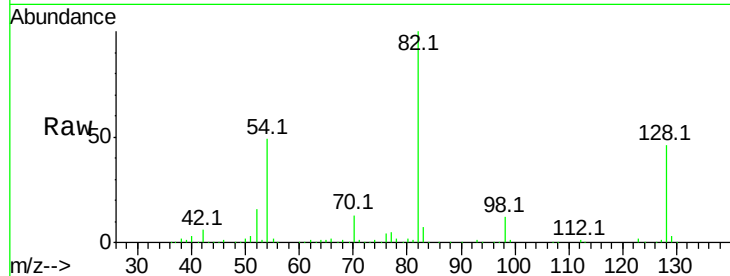


#23
 Nitrobenzene-d5
 Concen: 87.90 ng
 RT: 6.58 min Scan# 798
 Delta R.T. -0.02 min
 Lab File: BF094010.D
 Acq: 28 Mar 2017 23:21

Instrument :
 BNA_F
 ClientSampleId :
 HHD-GW1MSD

Tot Ion: 82 Resp: 1019106

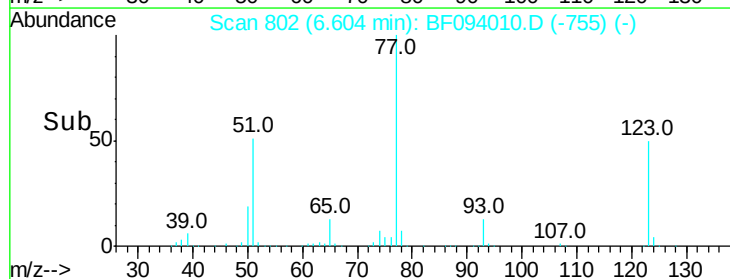
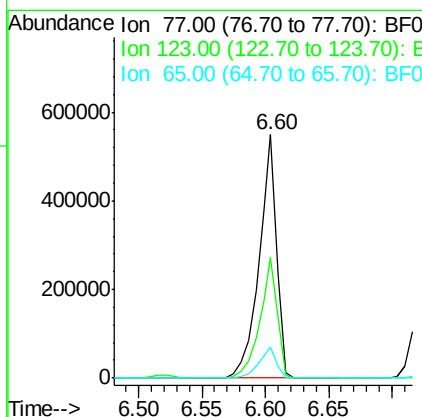
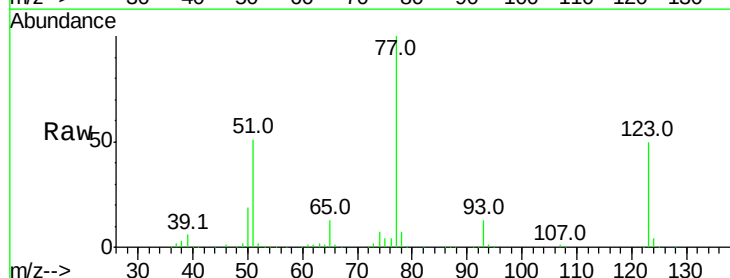
Ion	Ratio	Lower	Upper
82	100		
128	46.3	34.0	51.0
54	48.7	42.2	63.2

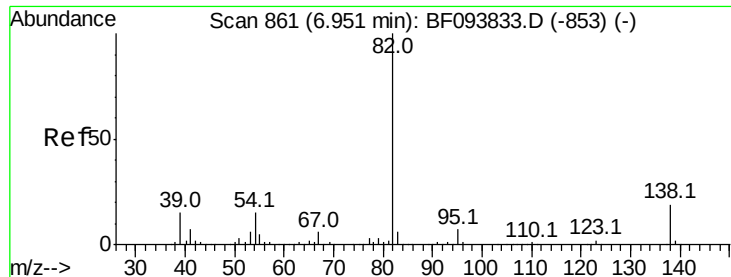


#24
 Nitrobenzene
 Concen: 46.41 ng
 RT: 6.60 min Scan# 802
 Delta R.T. -0.02 min
 Lab File: BF094010.D
 Acq: 28 Mar 2017 23:21

Tgt Ion: 77 Resp: 530648

Ion	Ratio	Lower	Upper
77	100		
123	49.5	35.8	53.8
65	12.8	10.6	15.8





#25

Isophorone

Concen: 48.36 ng

RT: 6.89 min Scan# 851

Delta R.T. -0.02 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

Instrument :

BNA_F

ClientSampleId :

HHD-GW1MSD

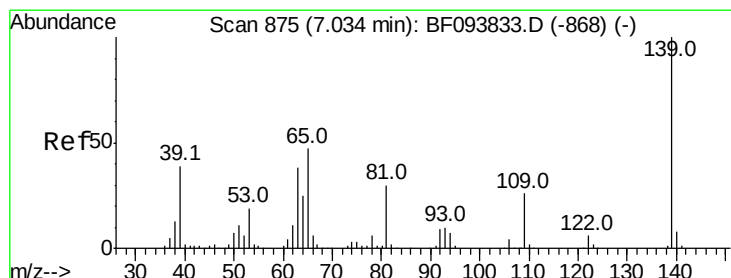
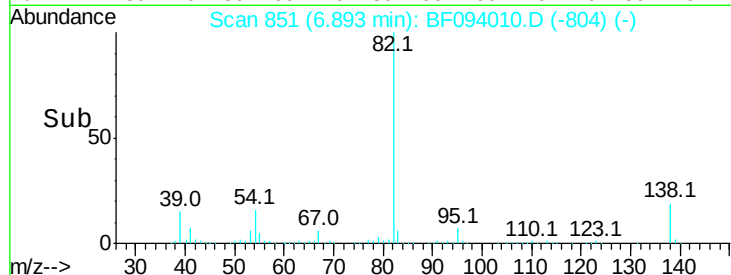
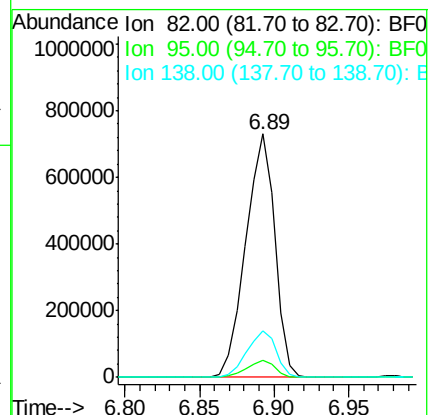
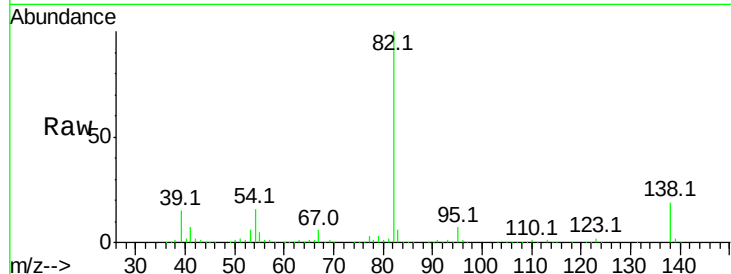
Tot Ion: 82 Resp: 985204

Ion Ratio Lower Upper

82 100

95 6.9 5.3 7.9

138 19.2 13.1 19.7



#26

2-Nitrophenol

Concen: 52.08 ng

RT: 6.98 min Scan# 866

Delta R.T. -0.02 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

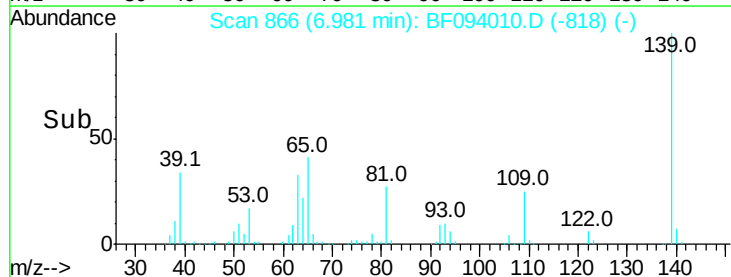
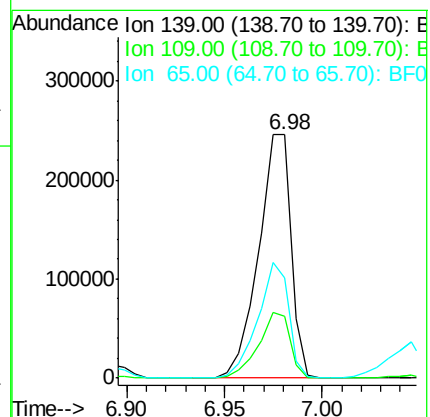
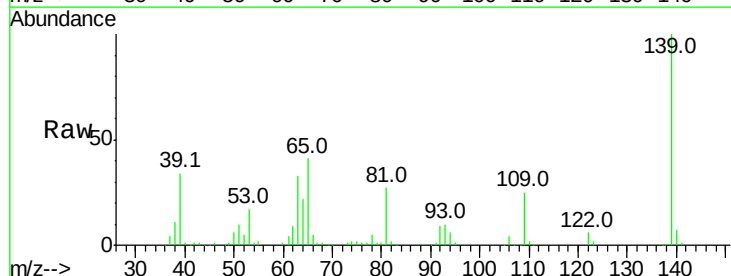
Tgt Ion: 139 Resp: 284025

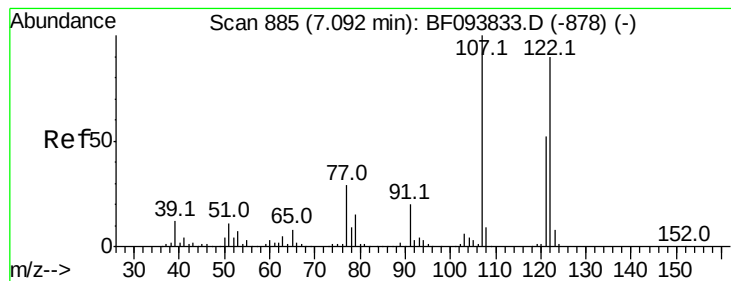
Ion Ratio Lower Upper

139 100

109 25.5 21.0 31.6

65 40.9 33.0 49.6





#27

2,4-Dimethylphenol

Concen: 50.50 ng

RT: 7.05 min Scan# 877

Delta R.T. -0.02 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

Instrument :

BNA_F

ClientSampleId :

HHD-GW1MSD

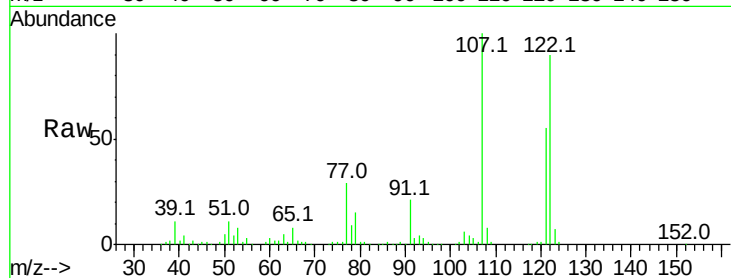
Tot Ion:122 Resp: 474481

Ion Ratio Lower Upper

122 100

107 110.9 89.2 133.8

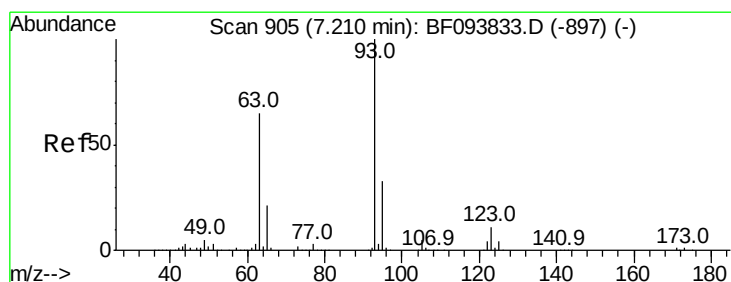
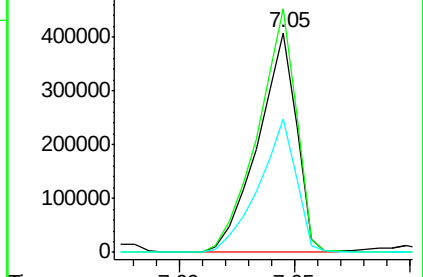
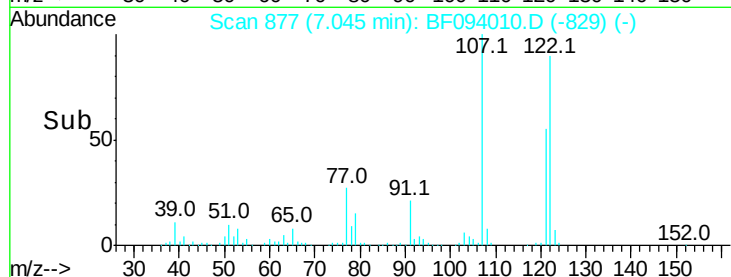
121 60.9 45.2 67.8



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: 47.13 ng

RT: 7.15 min Scan# 895

Delta R.T. -0.02 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

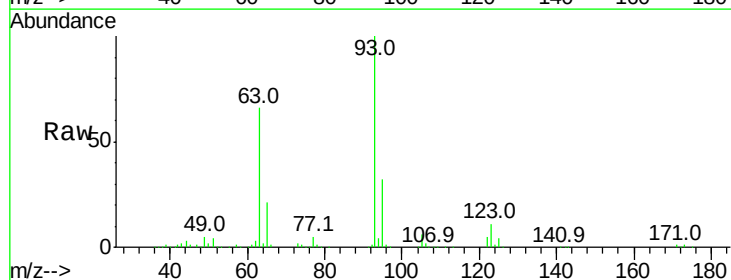
Tgt Ion: 93 Resp: 633184

Ion Ratio Lower Upper

93 100

95 32.4 26.5 39.7

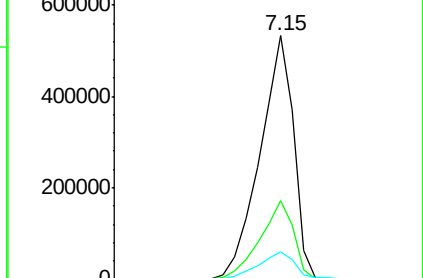
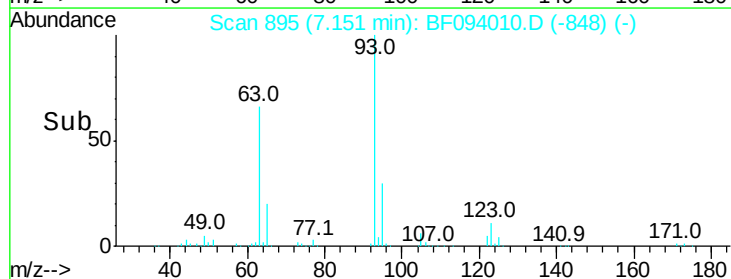
123 11.4 9.0 13.4

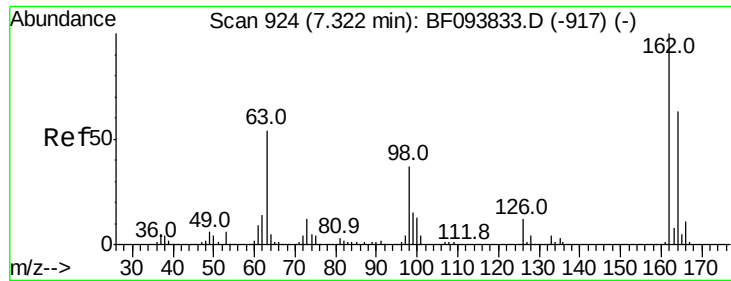


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

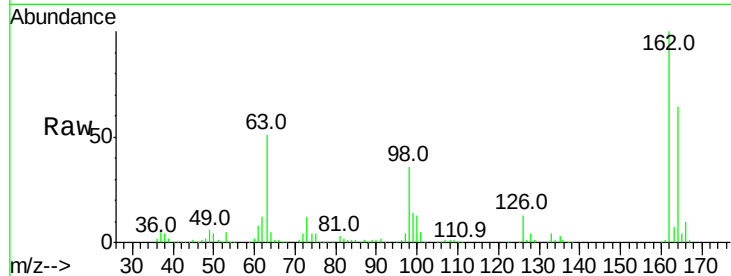




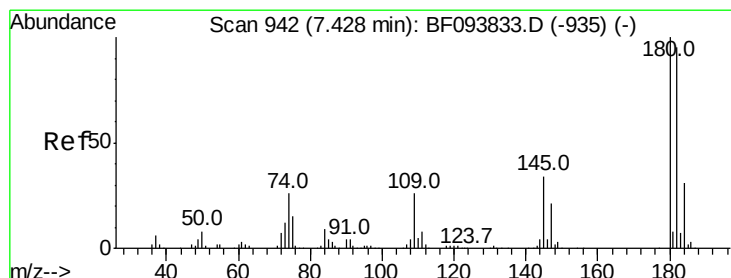
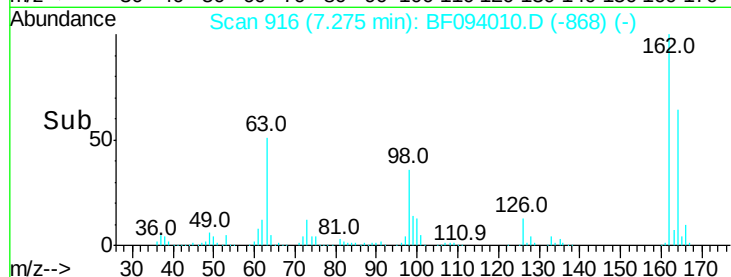
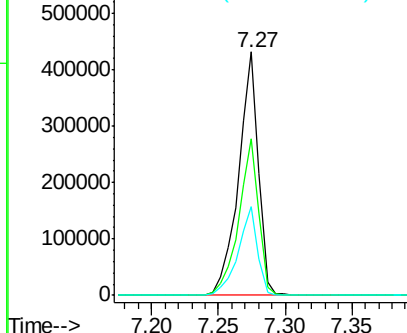
#29
 2,4-Dichlorophenol
 Concen: 50.92 ng
 RT: 7.27 min Scan# 916
 Delta R.T. -0.02 min
 Lab File: BF094010.D
 Acq: 28 Mar 2017 23:21

Instrument :
 BNA_F
 ClientSampleId :
 HHD-GW1MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.6	84.6
98	36.2	14.8	54.8

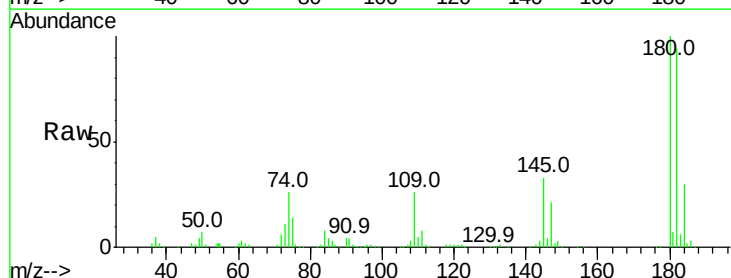


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

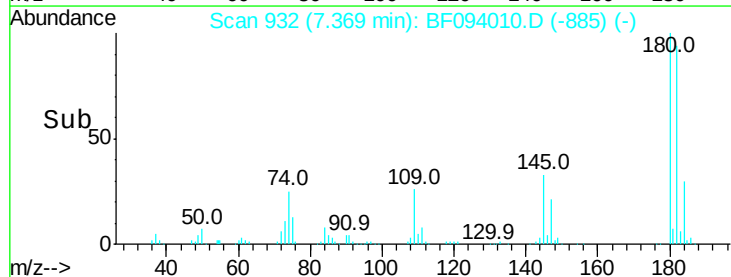
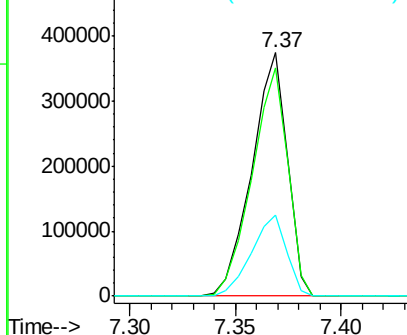


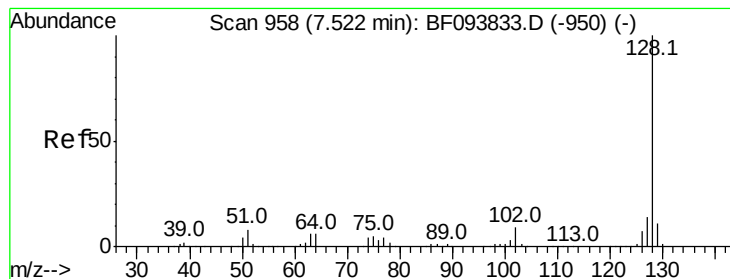
#30
 1,2,4-Trichlorobenzene
 Concen: 48.20 ng
 RT: 7.37 min Scan# 932
 Delta R.T. -0.02 min
 Lab File: BF094010.D
 Acq: 28 Mar 2017 23:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	75.8	113.6
145	33.4	25.3	37.9



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 46.23 ng

RT: 7.46 min Scan# 948

Delta R.T. -0.02 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

Instrument :

BNA_F

ClientSampleId :

HHD-GW1MSD

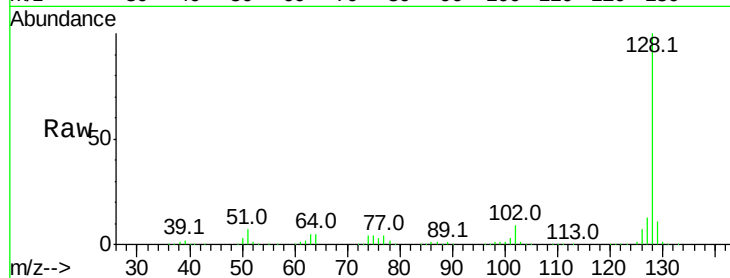
Tot Ion:128 Resp: 1470975

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

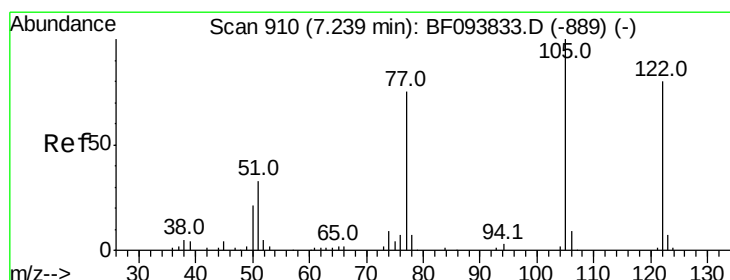
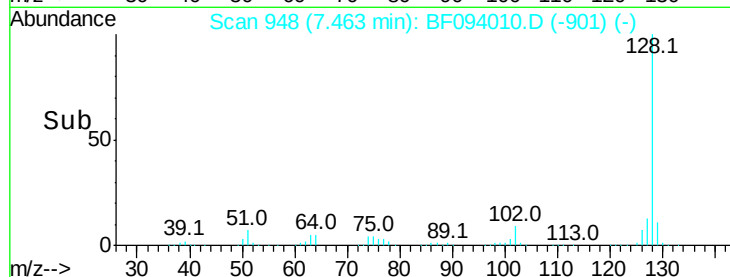
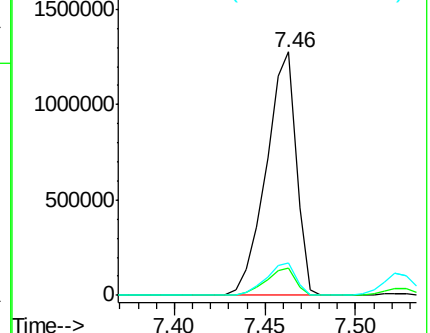
127 13.5 10.8 16.2



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: 22.02 ng

RT: 7.17 min Scan# 899

Delta R.T. -0.04 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

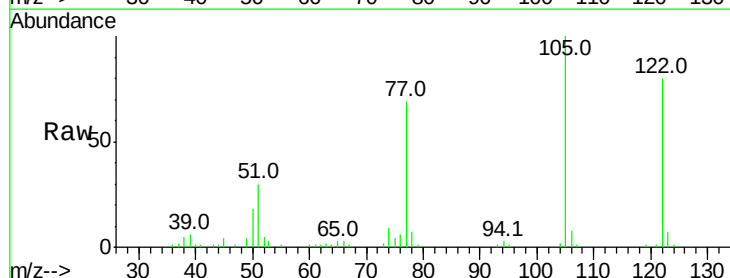
Tgt Ion:122 Resp: 137729

Ion Ratio Lower Upper

122 100

105 125.0 103.3 143.3

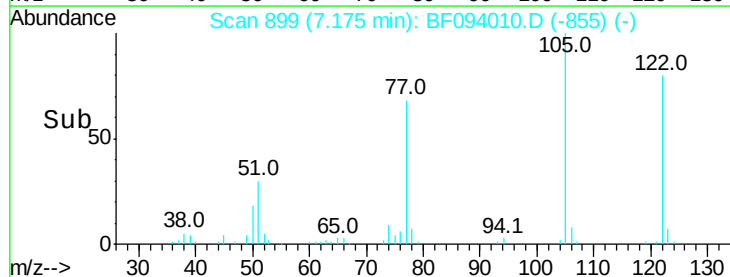
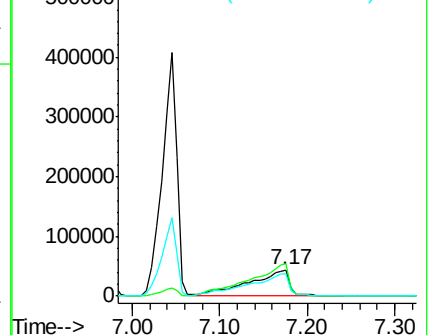
77 86.7 73.7 113.7

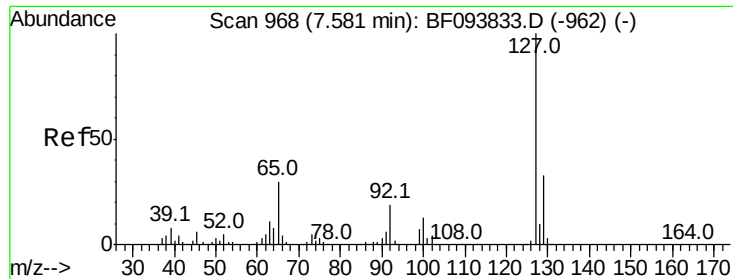


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

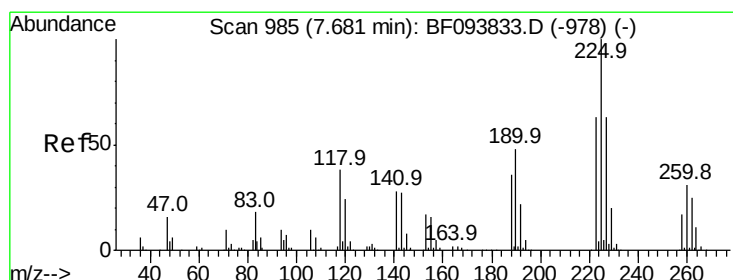
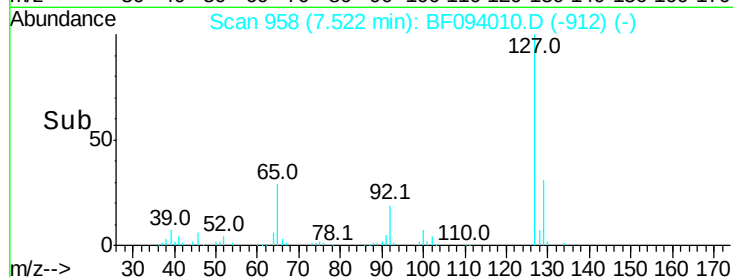
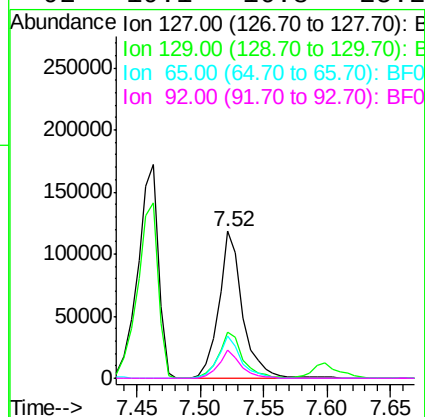
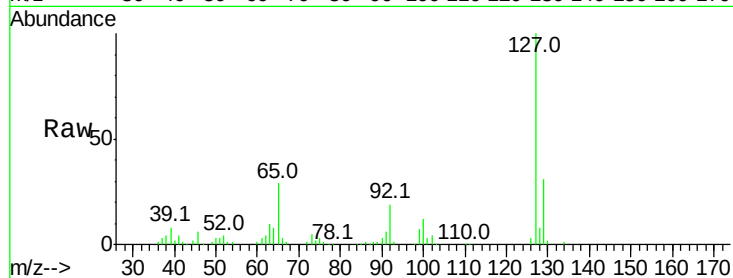




#33
4-Chloroaniline
Concen: 12.04 ng
RT: 7.52 min Scan# 958
Delta R.T. -0.03 min
Lab File: BF094010.D
Acq: 28 Mar 2017 23:21

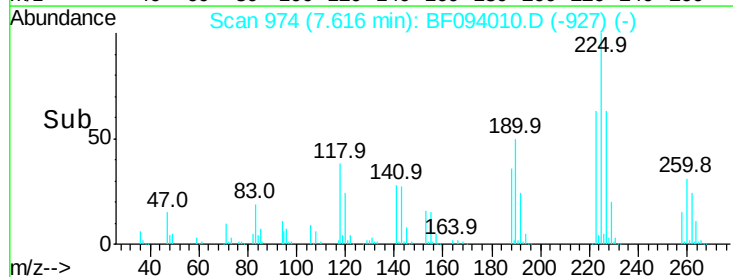
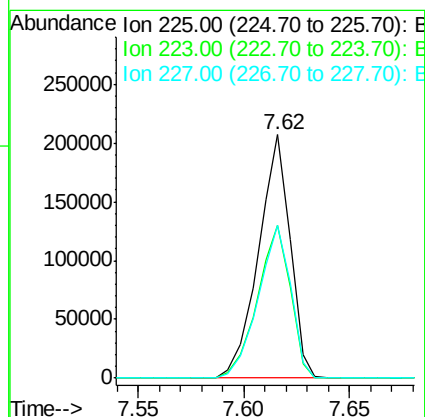
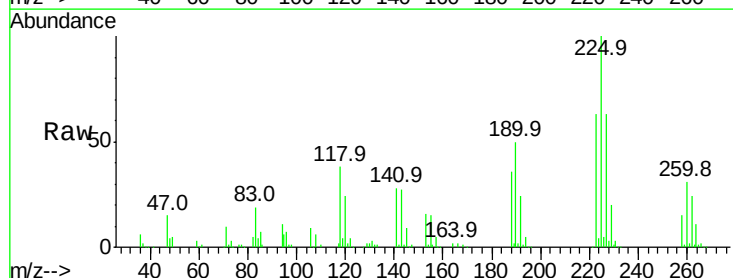
Instrument :
BNA_F
ClientSampleId :
HHD-GW1MSD

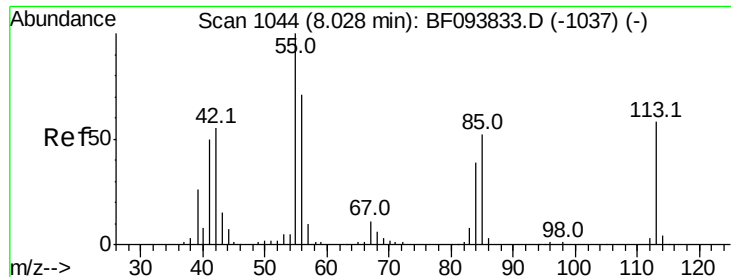
Tot Ion:	127	Resp:	155190
Ion	Ratio	Lower	Upper
127	100		
129	31.3	26.2	39.2
65	29.0	27.8	41.8
92	19.1	16.8	25.2



#34
Hexachlorobutadiene
Concen: 46.45 ng
RT: 7.62 min Scan# 974
Delta R.T. -0.02 min
Lab File: BF094010.D
Acq: 28 Mar 2017 23:21

Tgt Ion:	225	Resp:	215524
Ion	Ratio	Lower	Upper
225	100		
223	63.0	48.8	73.2
227	62.9	51.1	76.7





#35

Caprolactam

Concen: 28.23 ng

RT: 7.98 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

Instrument :

BNA_F

ClientSampleId :

HHD-GW1MSD

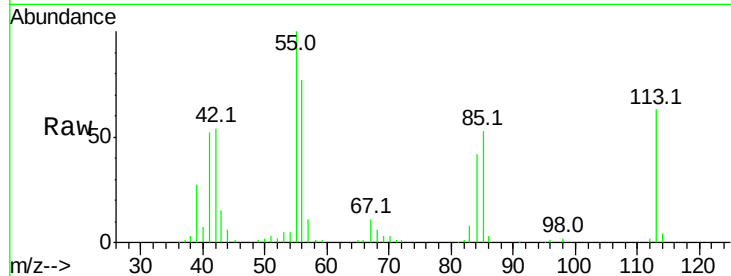
Tot Ion:113 Resp: 79079

Ion Ratio Lower Upper

113 100

55 158.8 150.2 190.2

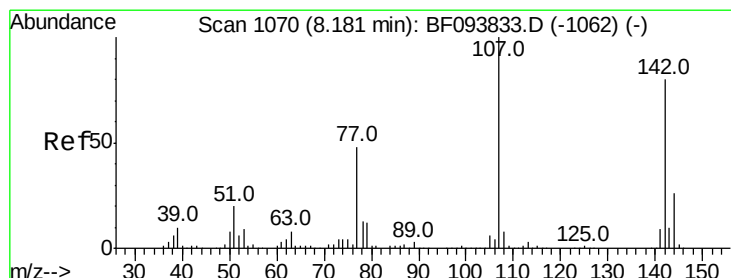
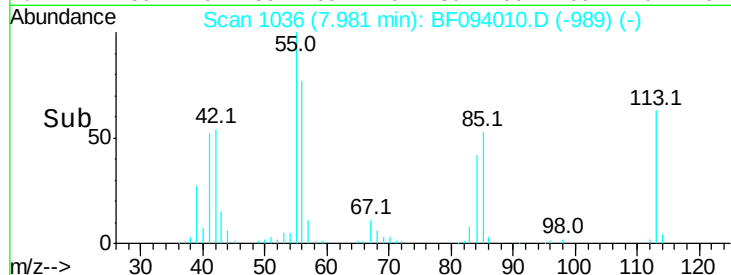
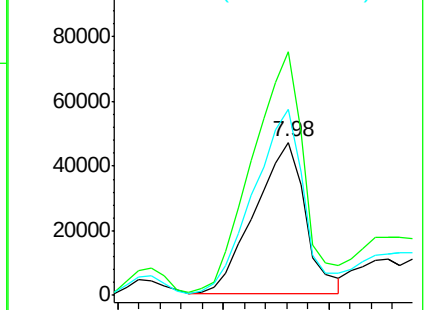
56 121.6 107.8 147.8



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: 52.39 ng

RT: 8.15 min Scan# 1064

Delta R.T. -0.01 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

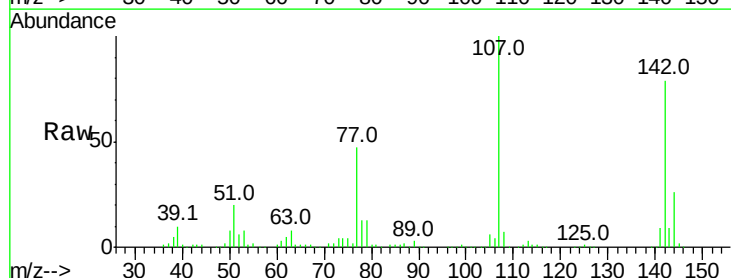
Tgt Ion:107 Resp: 480957

Ion Ratio Lower Upper

107 100

144 25.8 24.2 36.4

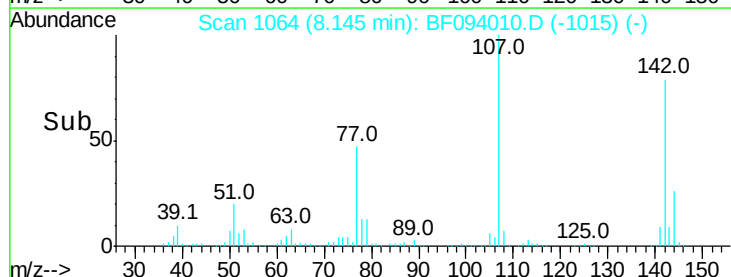
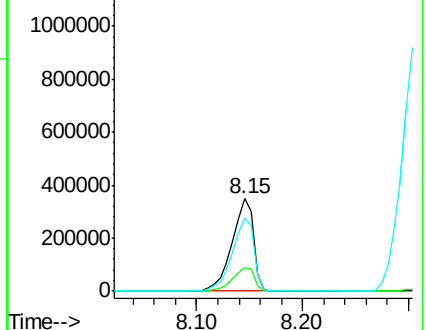
142 79.4 73.4 110.0

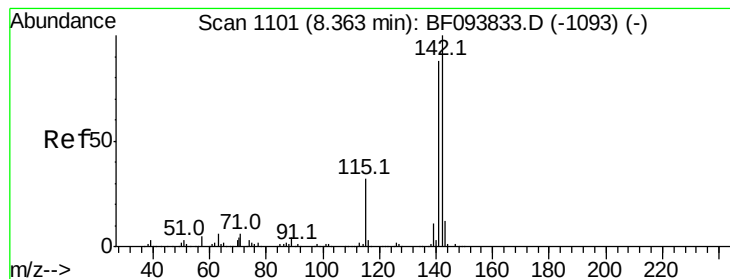


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 49.28 ng

RT: 8.30 min Scan# 1091

Delta R.T. -0.02 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

Instrument :

BNA_F

ClientSampleId :

HHD-GW1MSD

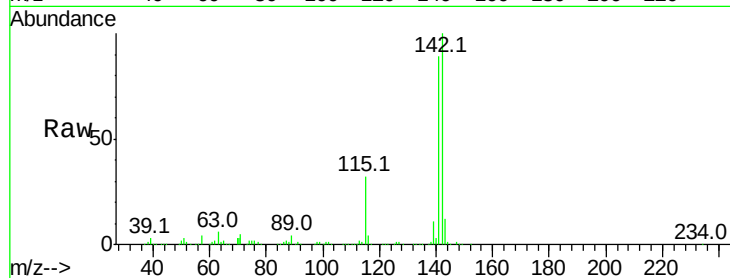
Tot Ion:142 Resp: 1045202

Ion Ratio Lower Upper

142 100

141 89.0 71.3 106.9

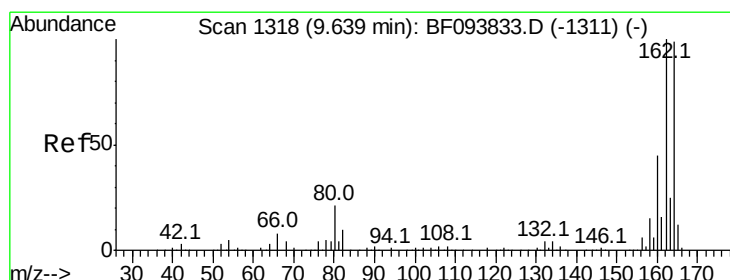
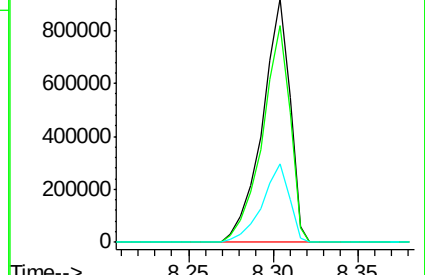
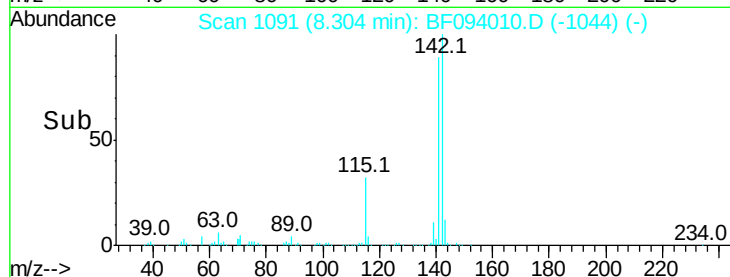
115 32.1 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.57 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

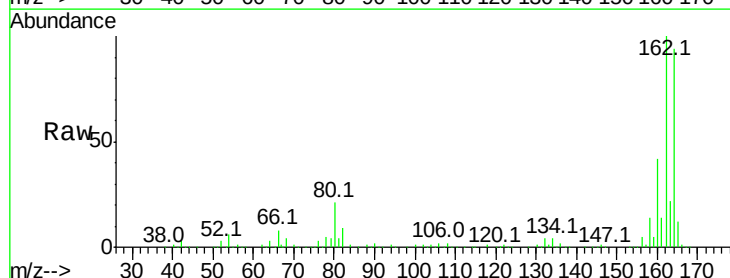
Tgt Ion:164 Resp: 310824

Ion Ratio Lower Upper

164 100

162 105.8 82.6 123.8

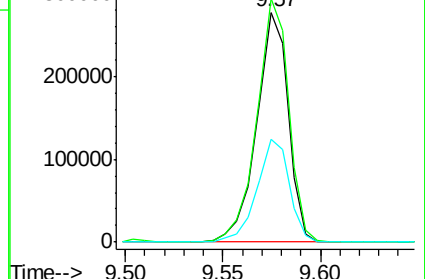
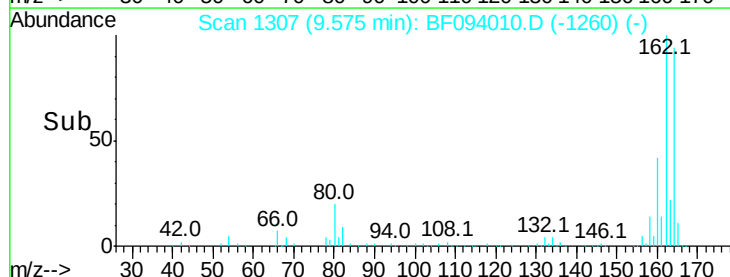
160 44.5 36.2 54.2

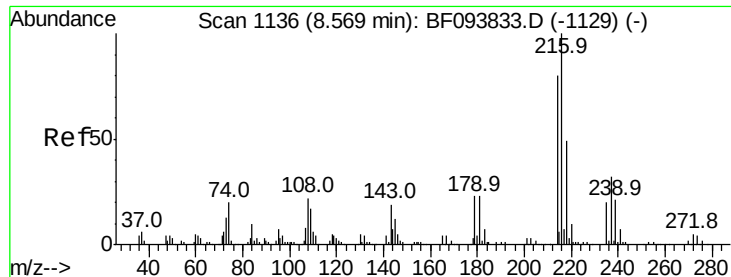


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

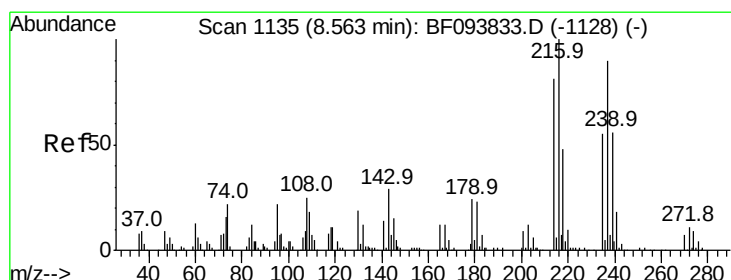
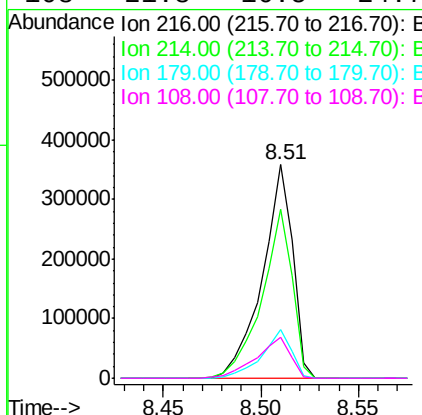
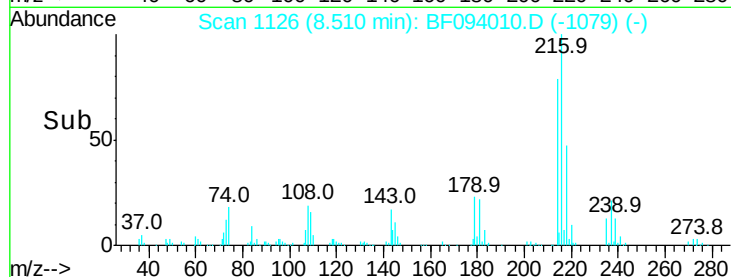
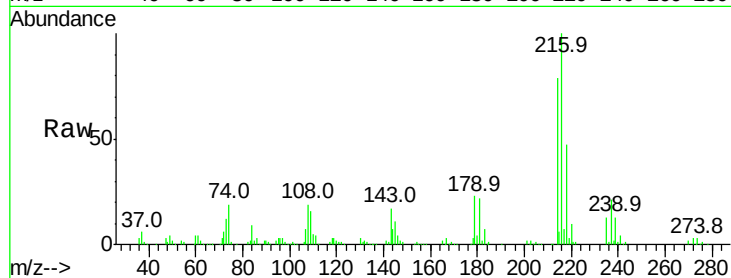




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 45.44 ng
 RT: 8.51 min Scan# 1126
 Delta R.T. -0.02 min
 Lab File: BF094010.D
 Acq: 28 Mar 2017 23:21

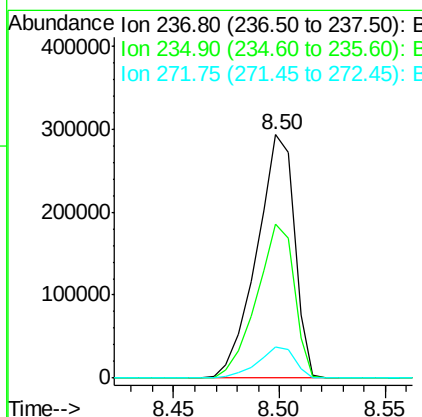
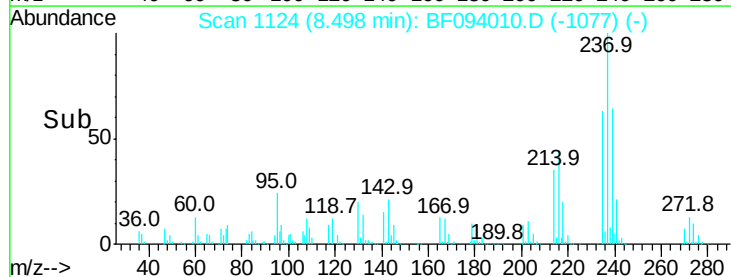
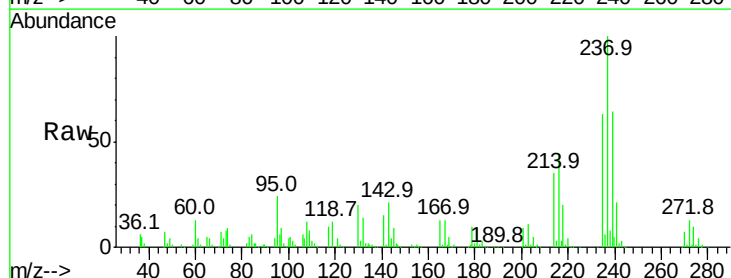
Instrument :
 BNA_F
 ClientSampleId :
 HHD-GW1MSD

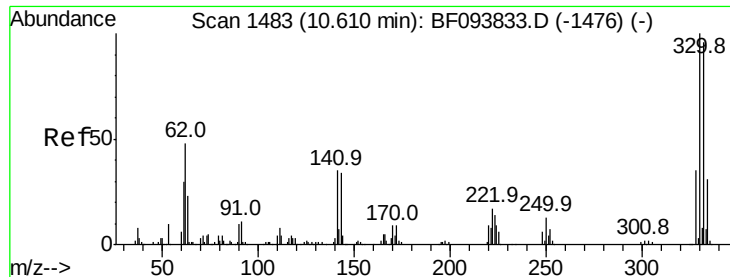
Tot Ion:	216	Resp:	386379
Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.4	95.2
179	22.1	17.9	26.9
108	21.8	16.5	24.7



#40
 Hexachlorocyclopentadiene
 Concen: 91.77 ng
 RT: 8.50 min Scan# 1124
 Delta R.T. -0.02 min
 Lab File: BF094010.D
 Acq: 28 Mar 2017 23:21

Tgt Ion:	237	Resp:	365145
Ion	Ratio	Lower	Upper
237	100		
235	63.1	42.6	82.6
272	12.6	0.0	31.9





#41

2,4,6-Tribromophenol

Concen: 144.41 ng

RT: 10.56 min Scan# 1474

Delta R.T. -0.02 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

Instrument :

BNA_F

ClientSampleId :

HHD-GW1MSD

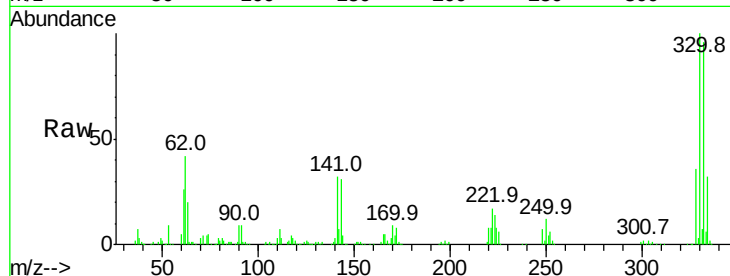
Tot Ion:330 Resp: 354705

Ion Ratio Lower Upper

330 100

332 95.1 76.6 115.0

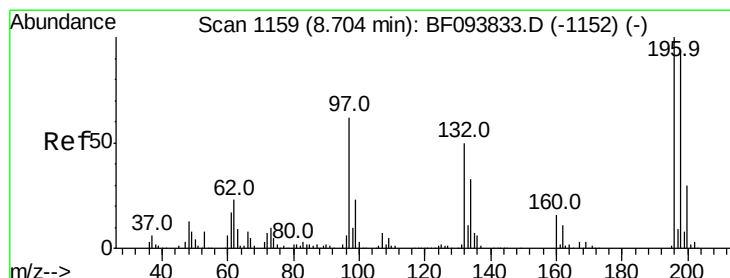
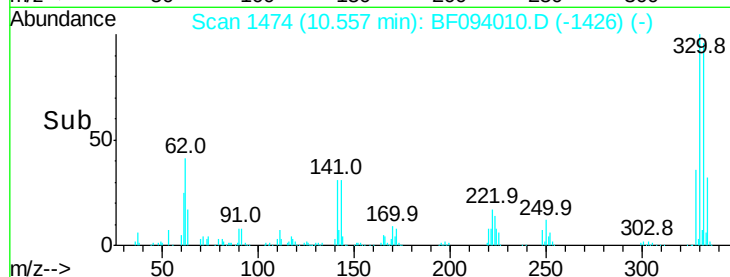
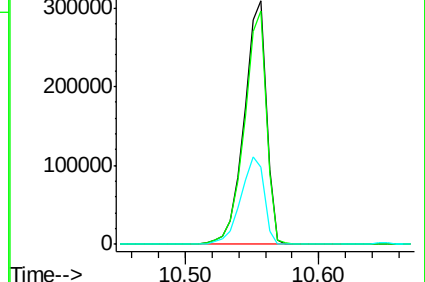
141 38.4 31.4 47.2



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: 50.69 ng

RT: 8.66 min Scan# 1151

Delta R.T. -0.02 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

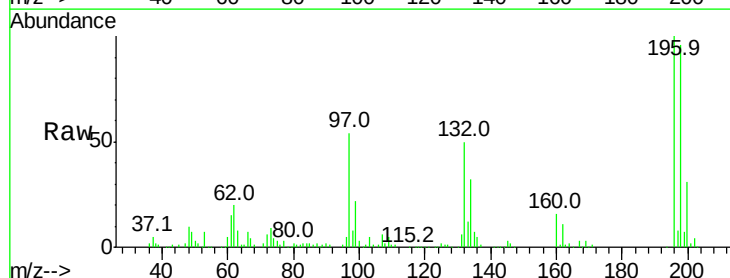
Tgt Ion:196 Resp: 304924

Ion Ratio Lower Upper

196 100

198 96.3 74.2 111.4

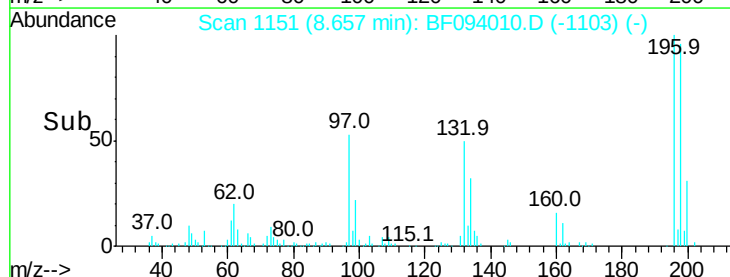
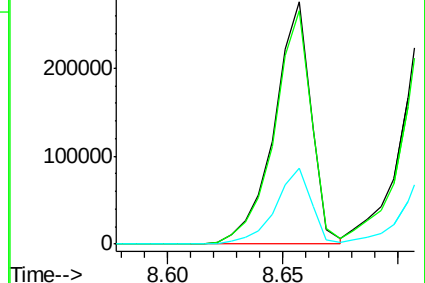
200 31.4 24.0 36.0

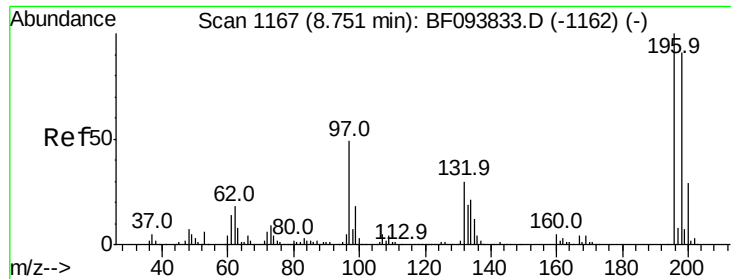


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

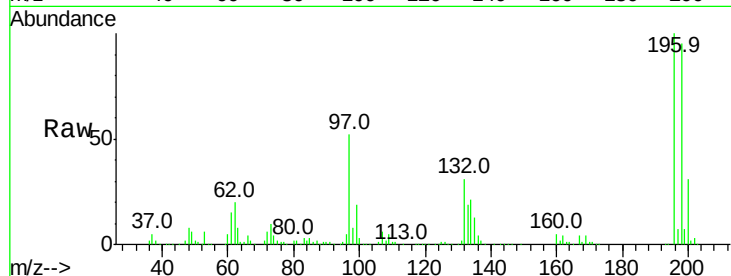




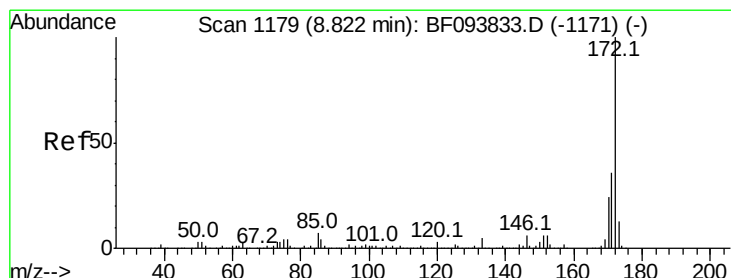
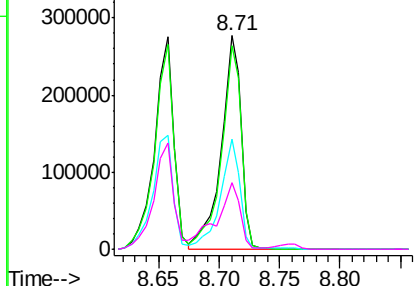
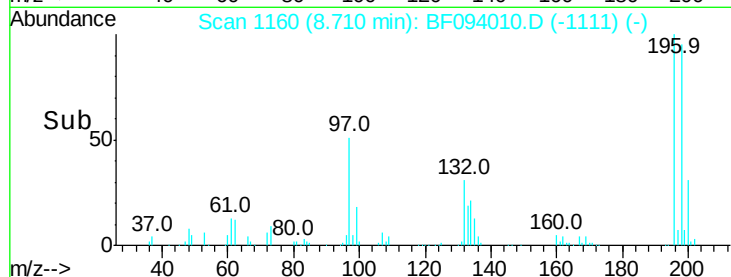
#43
 2,4,5-Trichlorophenol
 Concen: 48.41 ng
 RT: 8.71 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: BF094010.D
 Acq: 28 Mar 2017 23:21

Instrument :
 BNA_F
 ClientSampleId :
 HHD-GW1MSD

Tot Ion:196 Resp: 315155
 Ion Ratio Lower Upper
 196 100
 198 95.1 75.7 113.5
 97 51.6 47.7 71.5
 132 31.3 28.0 42.0

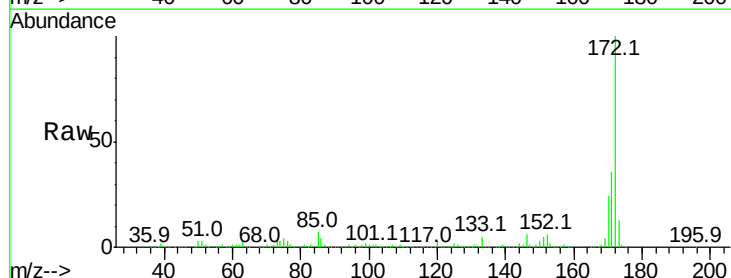


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

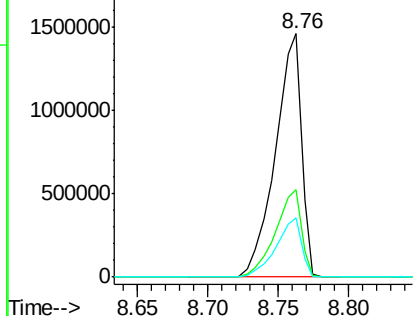
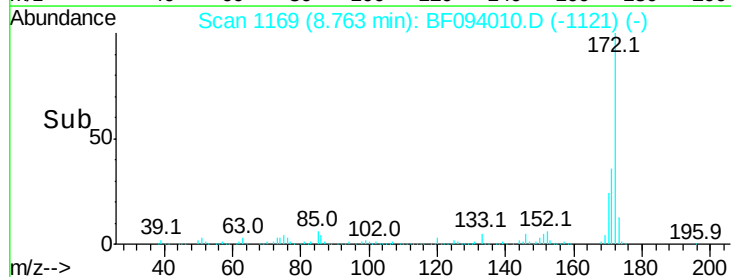


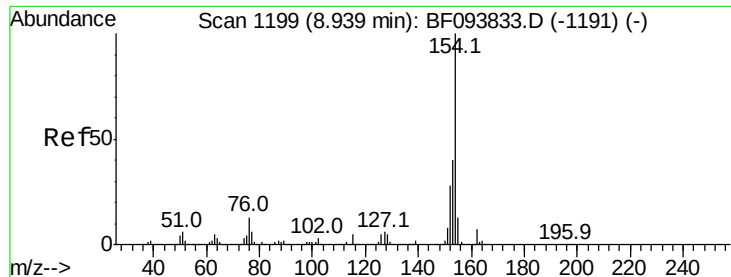
#44
 2-Fluorobiphenyl
 Concen: 92.59 ng
 RT: 8.76 min Scan# 1169
 Delta R.T. -0.02 min
 Lab File: BF094010.D
 Acq: 28 Mar 2017 23:21

Tgt Ion:172 Resp: 1886763
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.6 44.4
 170 24.1 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: 46.57 ng

RT: 8.88 min Scan# 1189

Delta R.T. -0.02 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

Instrument :

BNA_F

ClientSampleId :

HHD-GW1MSD

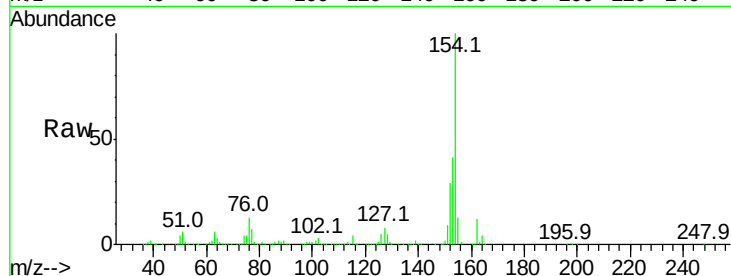
Tot Ion:154 Resp: 1167627

Ion Ratio Lower Upper

154 100

153 40.7 21.2 61.2

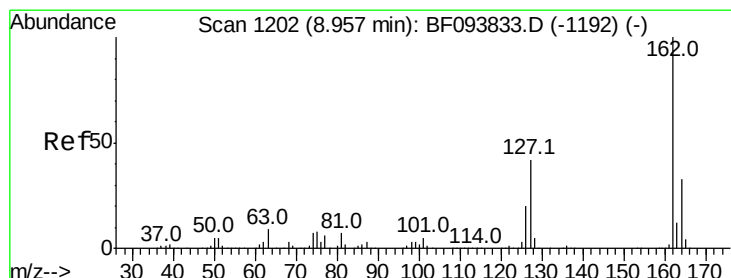
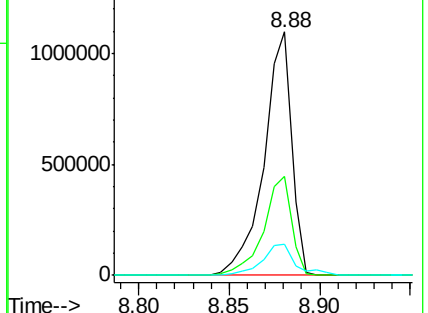
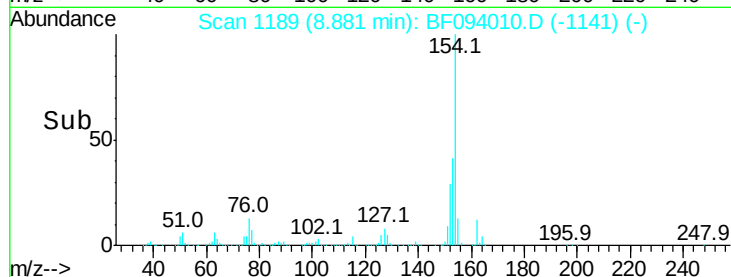
76 12.7 0.0 29.9



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: 47.30 ng

RT: 8.90 min Scan# 1192

Delta R.T. -0.02 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

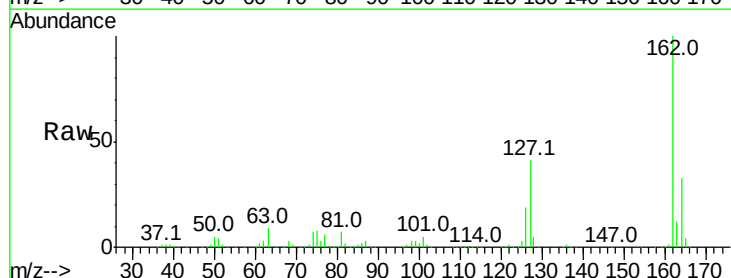
Tgt Ion:162 Resp: 928258

Ion Ratio Lower Upper

162 100

127 41.4 28.3 42.5

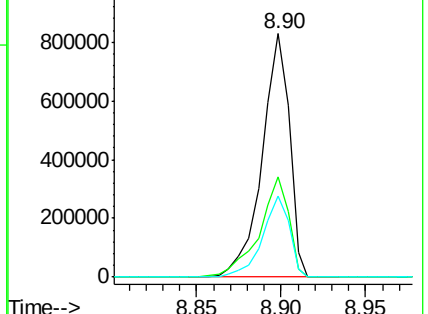
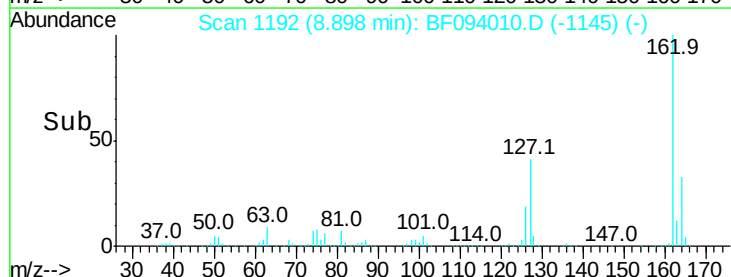
164 33.0 27.0 40.4

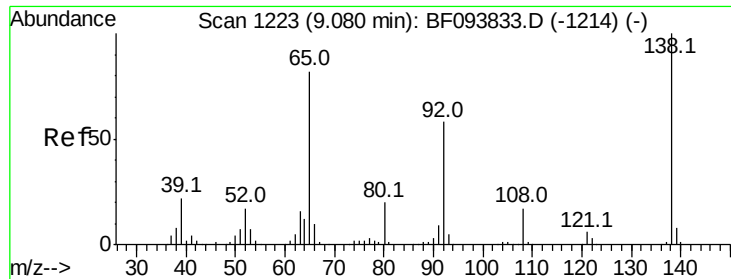


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

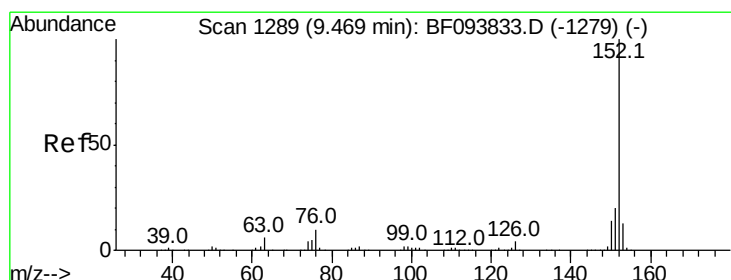
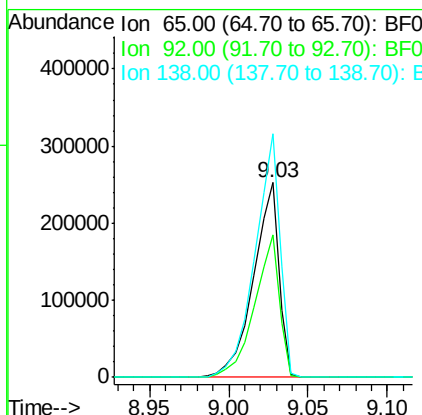
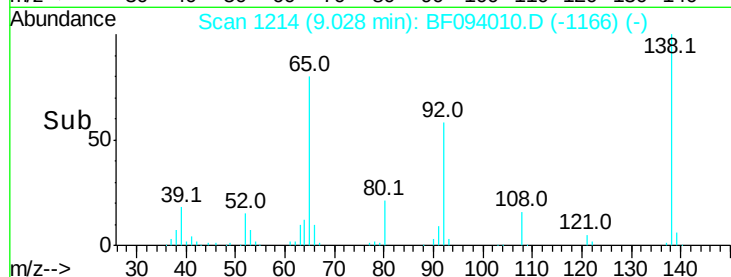
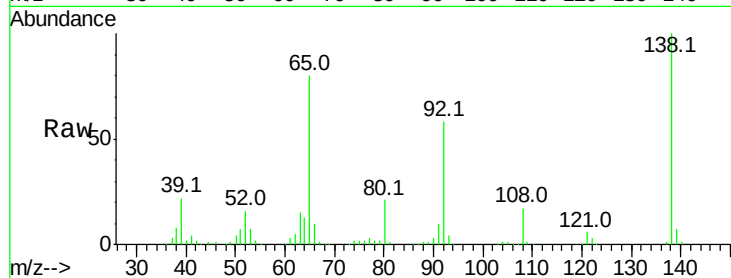




#47
 2-Nitroaniline
 Concen: 48.83 ng
 RT: 9.03 min Scan# 1214
 Delta R.T. -0.02 min
 Lab File: BF094010.D
 Acq: 28 Mar 2017 23:21

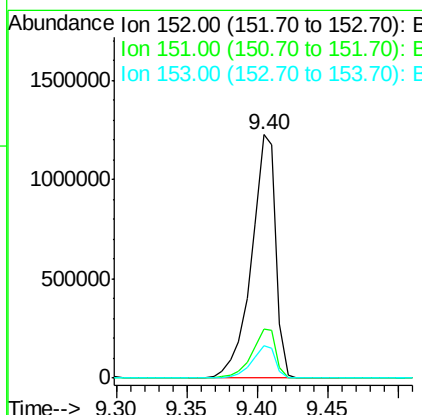
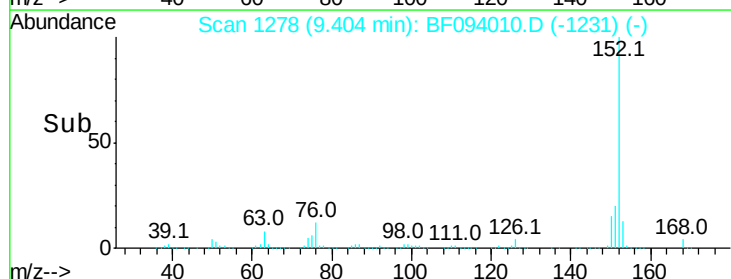
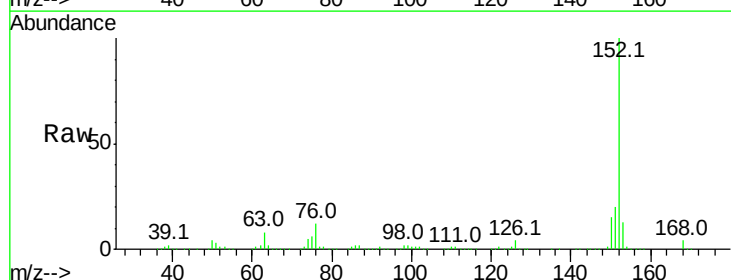
Instrument :
 BNA_F
 ClientSampleId :
 HHD-GW1MSD

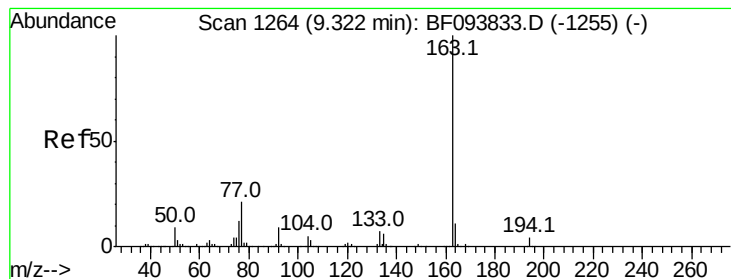
Tot Ion: 65 Resp: 284257
 Ion Ratio Lower Upper
 65 100
 92 73.0 53.9 80.9
 138 124.9 78.8 118.2#



#48
 Acenaphthylene
 Concen: 45.24 ng
 RT: 9.40 min Scan# 1278
 Delta R.T. -0.02 min
 Lab File: BF094010.D
 Acq: 28 Mar 2017 23:21

Tgt Ion:152 Resp: 1475569
 Ion Ratio Lower Upper
 152 100
 151 20.4 16.8 25.2
 153 13.5 10.8 16.2





#49

Dimethylphthalate

Concen: 51.26 ng

RT: 9.27 min Scan# 1255

Delta R.T. -0.02 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

Instrument :

BNA_F

ClientSampleId :

HHD-GW1MSD

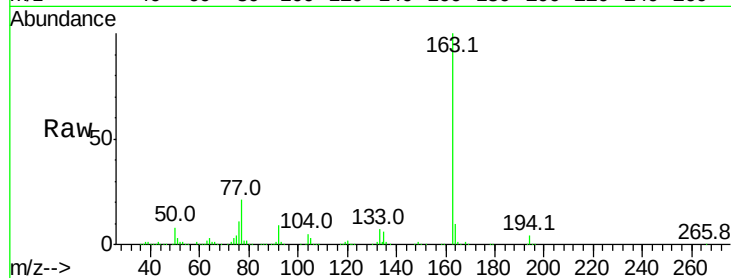
Tot Ion:163 Resp: 1132593

Ion Ratio Lower Upper

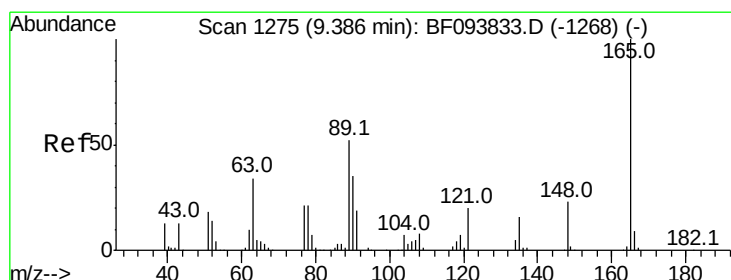
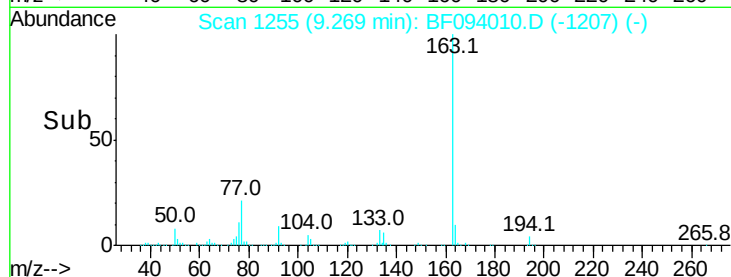
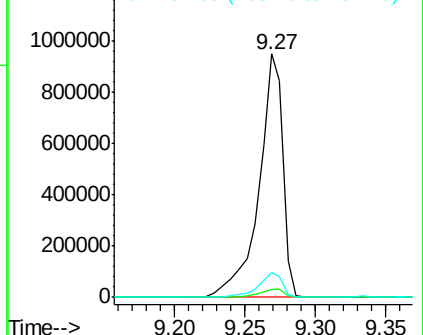
163 100

194 3.5 2.6 4.0

164 10.4 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: 51.09 ng

RT: 9.33 min Scan# 1266

Delta R.T. -0.02 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

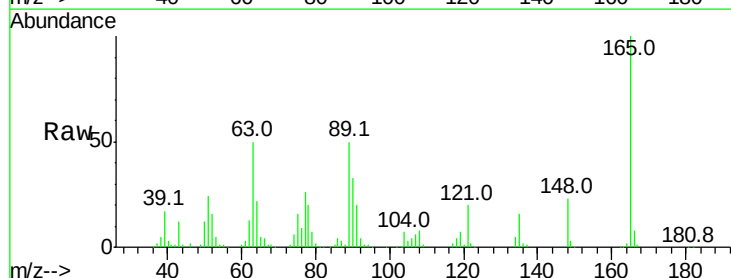
Tgt Ion:165 Resp: 258752

Ion Ratio Lower Upper

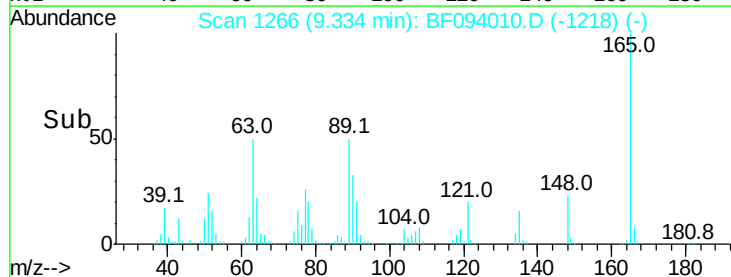
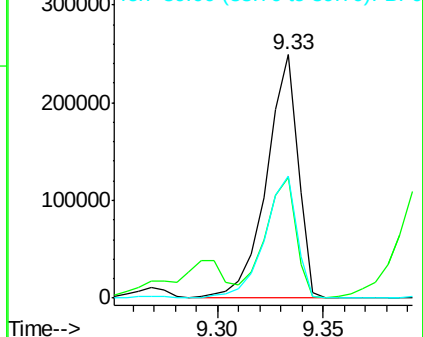
165 100

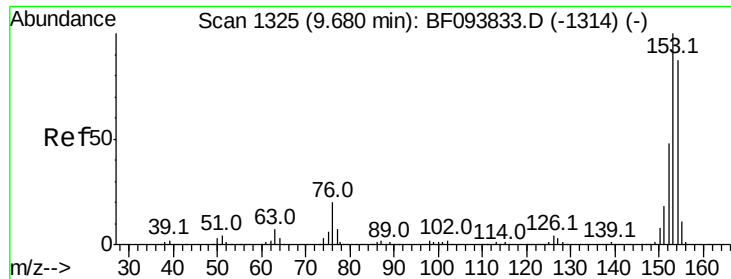
63 49.8 34.3 51.5

89 50.0 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: 46.30 ng

RT: 9.62 min Scan# 1315

Delta R.T. -0.02 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

Instrument :

BNA_F

ClientSampleId :

HHD-GW1MSD

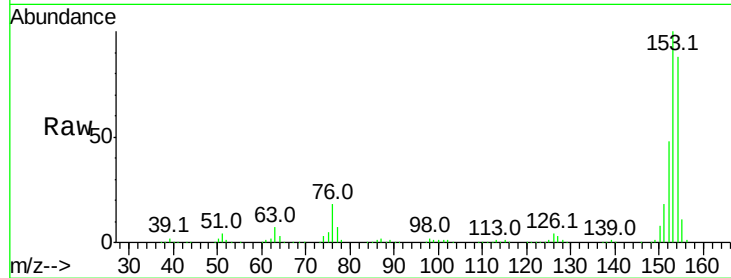
Tot Ion:154 Resp: 881198

Ion Ratio Lower Upper

154 100

153 113.9 90.5 135.7

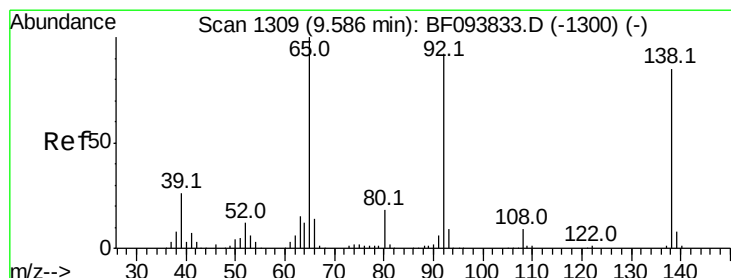
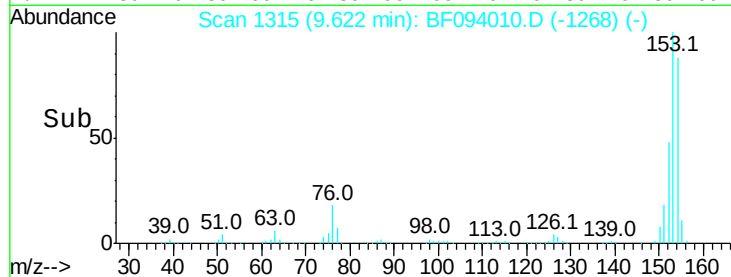
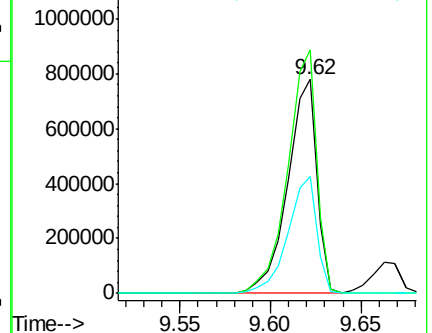
152 54.8 43.6 65.4



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: 21.85 ng

RT: 9.53 min Scan# 1299

Delta R.T. -0.02 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

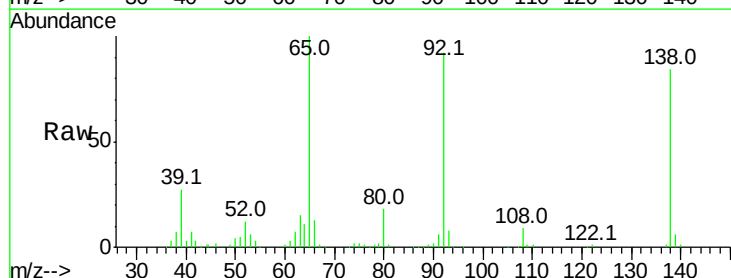
Tgt Ion:138 Resp: 129955

Ion Ratio Lower Upper

138 100

108 10.6 9.1 13.7

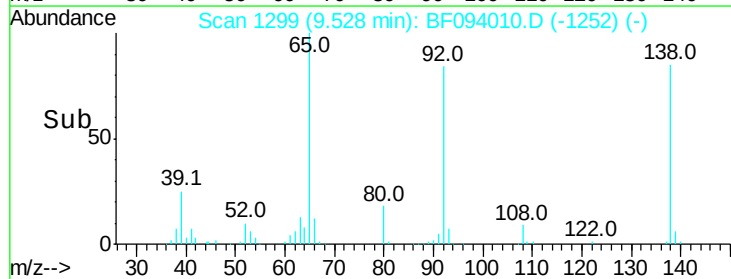
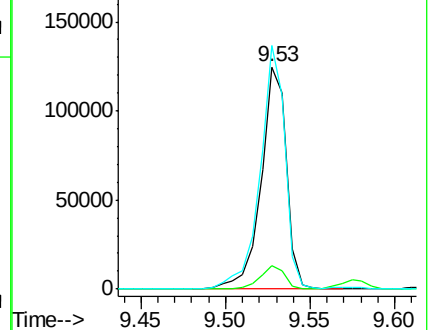
92 109.6 93.8 140.6

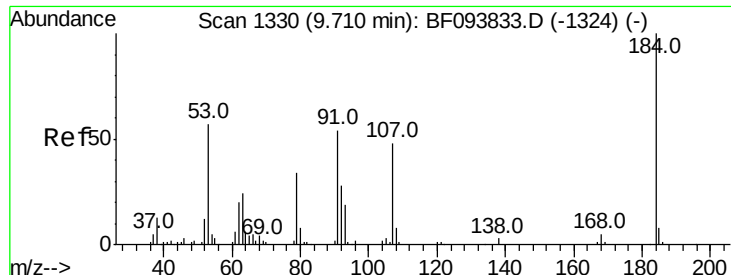


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

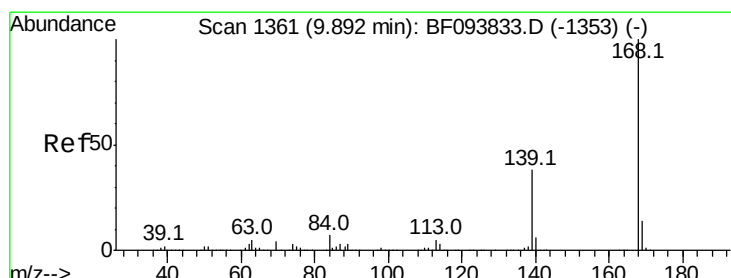
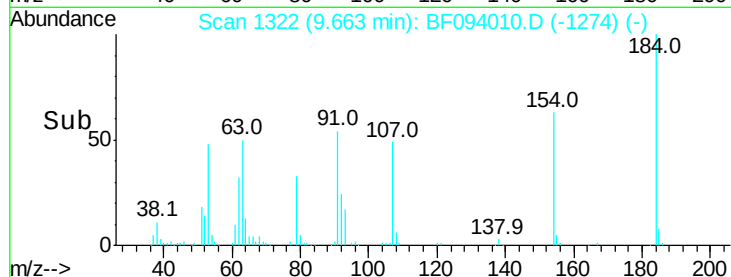
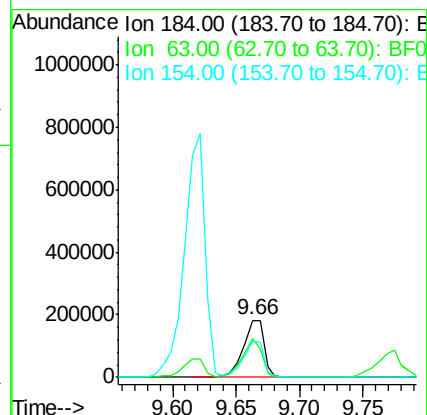
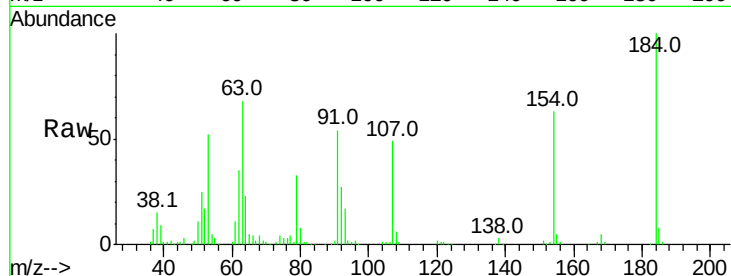




#53
 2,4-Dinitrophenol
 Concen: 77.24 ng
 RT: 9.66 min Scan# 1322
 Delta R.T. -0.02 min
 Lab File: BF094010.D
 Acq: 28 Mar 2017 23:21

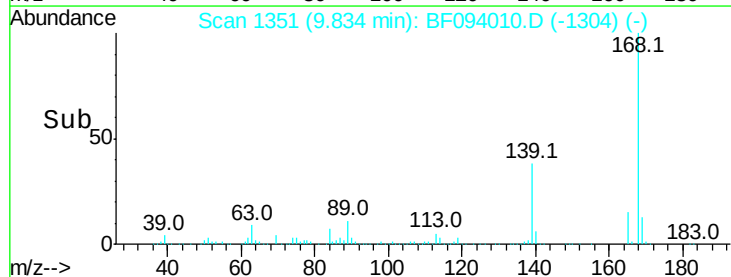
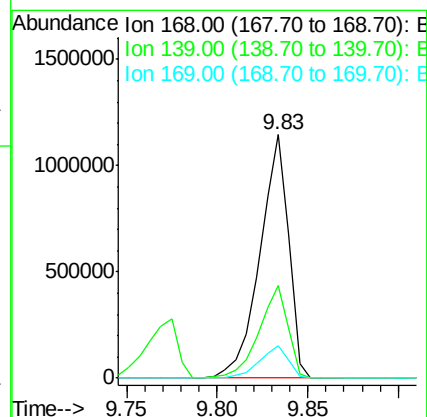
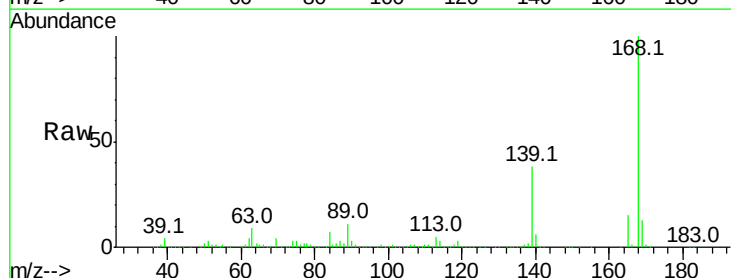
Instrument :
 BNA_F
 ClientSampleId :
 HHD-GW1MSD

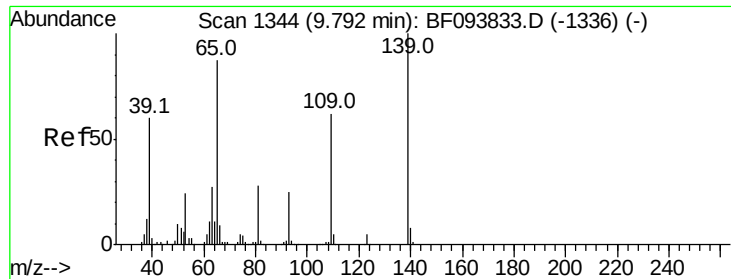
Tot Ion:184 Resp: 208895
 Ion Ratio Lower Upper
 184 100
 63 68.3 62.7 94.1
 154 63.1 81.1 121.7#



#54
 Dibenzofuran
 Concen: 48.60 ng
 RT: 9.83 min Scan# 1351
 Delta R.T. -0.02 min
 Lab File: BF094010.D
 Acq: 28 Mar 2017 23:21

Tgt Ion:168 Resp: 1259216
 Ion Ratio Lower Upper
 168 100
 139 38.0 30.6 45.8
 169 13.4 10.8 16.2

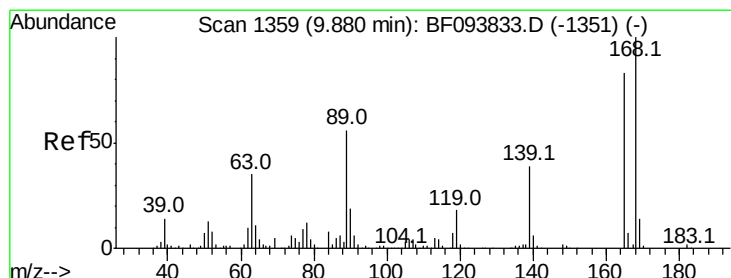
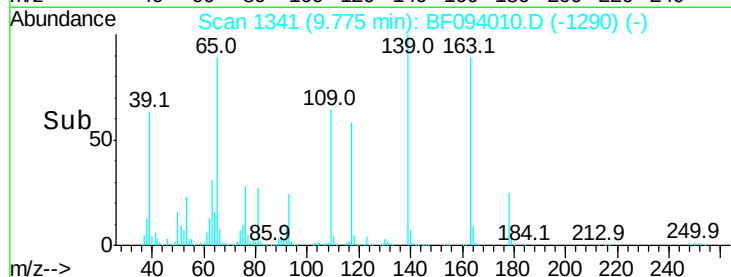
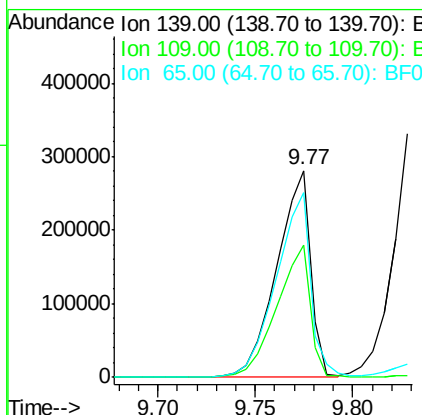
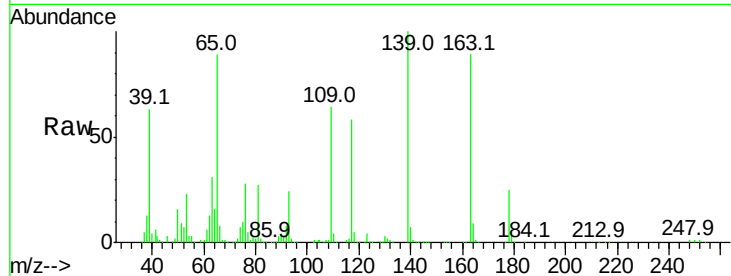




#55
4-Nitrophenol
Concen: 72.62 ng
RT: 9.77 min Scan# 1341
Delta R.T. 0.00 min
Lab File: BF094010.D
Acq: 28 Mar 2017 23:21

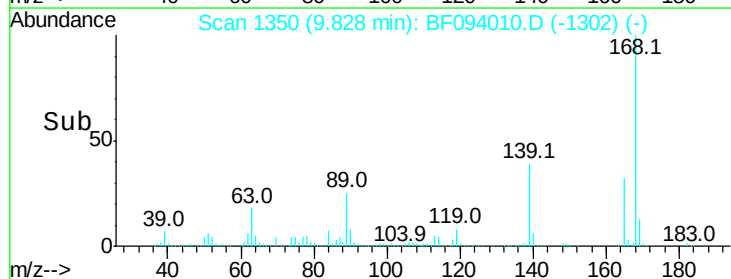
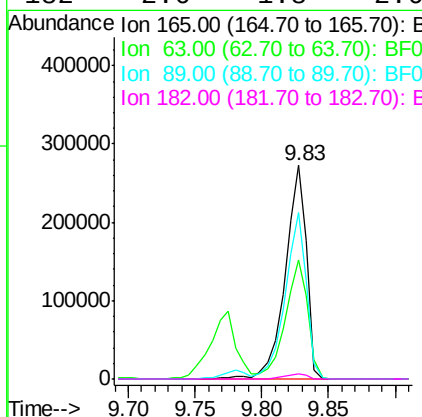
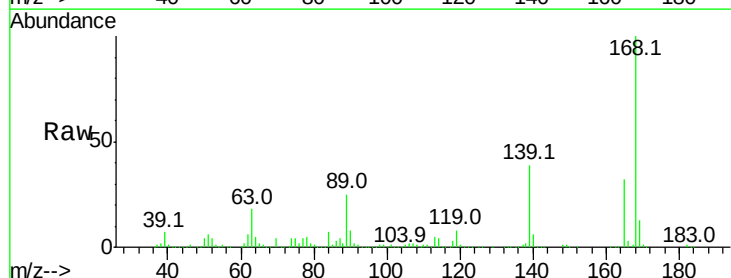
Instrument :
BNA_F
ClientSampleId :
HHD-GW1MSD

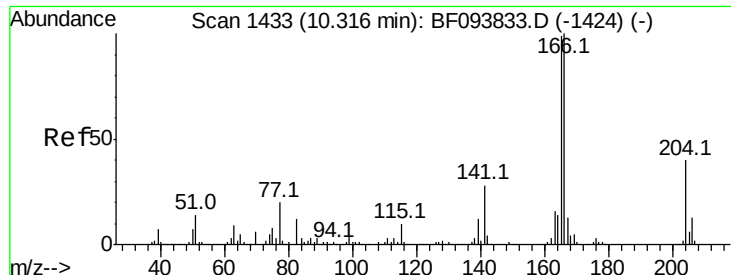
Tot Ion:139 Resp: 338232
Ion Ratio Lower Upper
139 100
109 64.0 34.1 74.1
65 89.4 31.4 71.4#



#56
2,4-Dinitrotoluene
Concen: 47.90 ng
RT: 9.83 min Scan# 1350
Delta R.T. -0.02 min
Lab File: BF094010.D
Acq: 28 Mar 2017 23:21

Tgt Ion:165 Resp: 304729
Ion Ratio Lower Upper
165 100
63 55.7 25.4 38.0#
89 77.7 46.4 69.6#
182 2.6 1.8 2.6

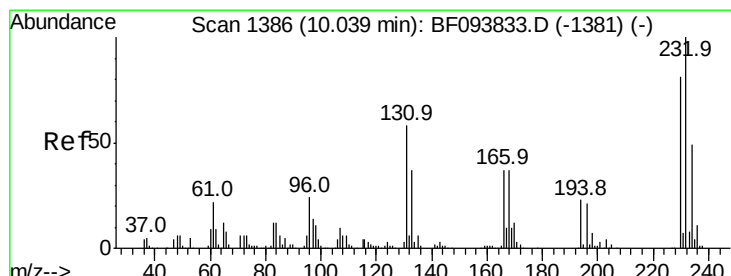
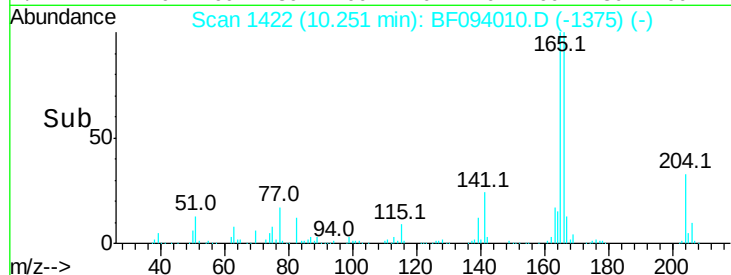
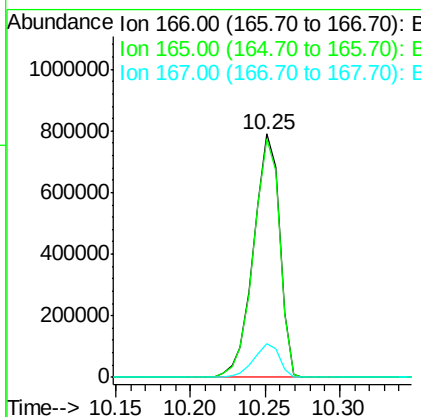
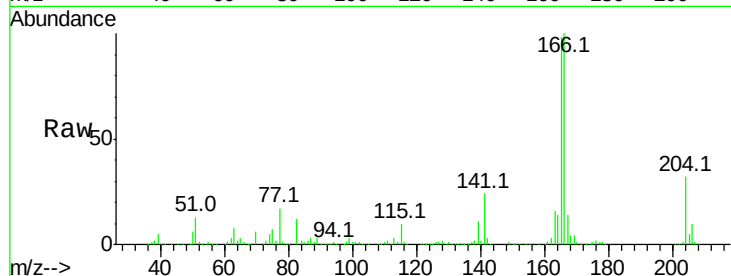




#57
 Fluorene
 Concen: 44.07 ng
 RT: 10.25 min Scan# 1422
 Delta R.T. -0.02 min
 Lab File: BF094010.D
 Acq: 28 Mar 2017 23:21

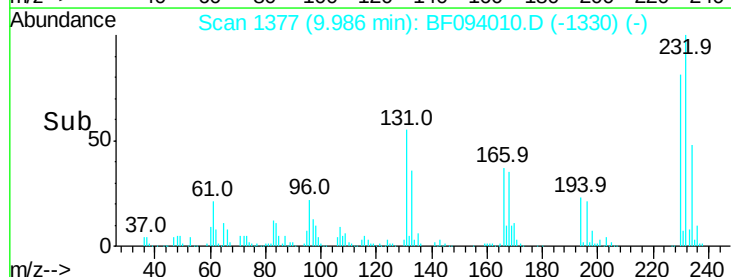
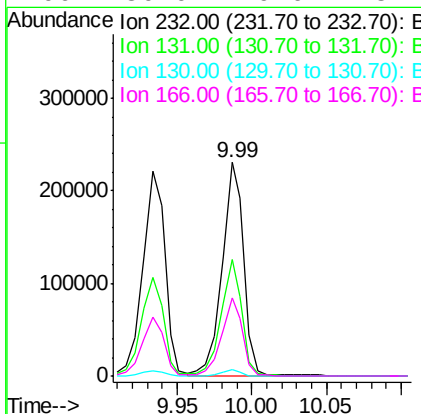
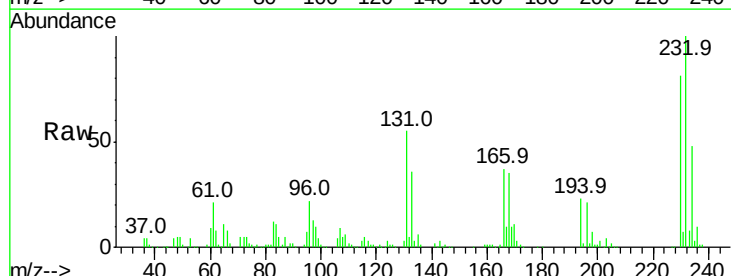
Instrument :
 BNA_F
 ClientSampleId :
 HHD-GW1MSD

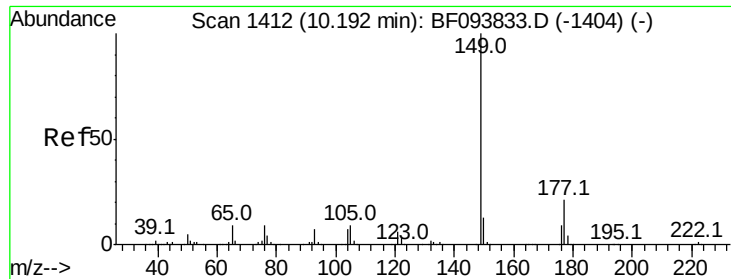
Tot Ion:166 Resp: 946894
 Ion Ratio Lower Upper
 166 100
 165 97.8 78.8 118.2
 167 13.6 10.6 16.0



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 52.65 ng
 RT: 9.99 min Scan# 1377
 Delta R.T. -0.02 min
 Lab File: BF094010.D
 Acq: 28 Mar 2017 23:21

Tgt Ion:232 Resp: 235175
 Ion Ratio Lower Upper
 232 100
 131 52.1 44.8 67.2
 130 2.5 2.3 3.5
 166 36.0 29.0 43.4

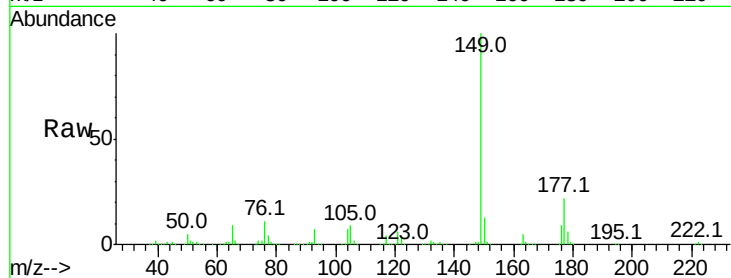




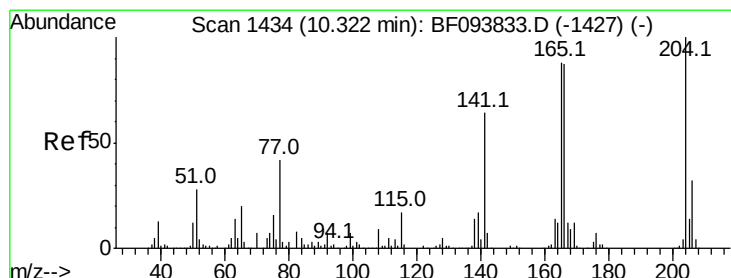
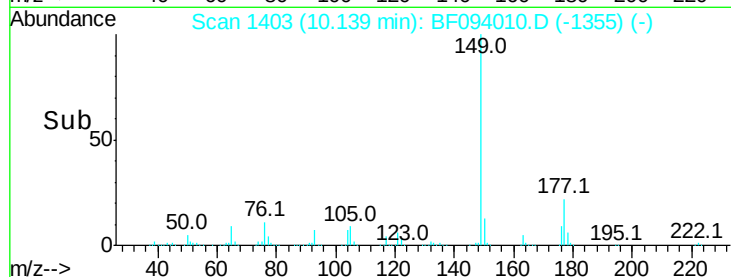
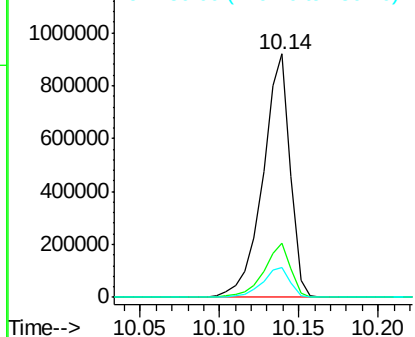
#59
Diethylphthalate
Concen: 50.39 ng
RT: 10.14 min Scan# 1403
Delta R.T. -0.02 min
Lab File: BF094010.D
Acq: 28 Mar 2017 23:21

Instrument :
BNA_F
ClientSampleId :
HHD-GW1MSD

Tot Ion:149 Resp: 1100391
Ion Ratio Lower Upper
149 100
177 22.0 16.7 25.1
150 12.5 10.2 15.2

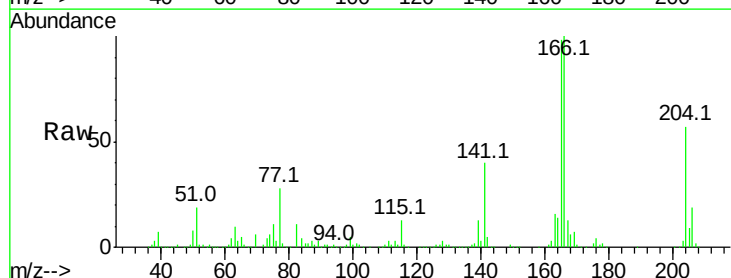


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

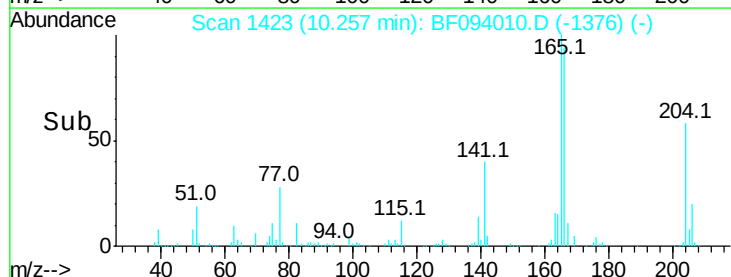
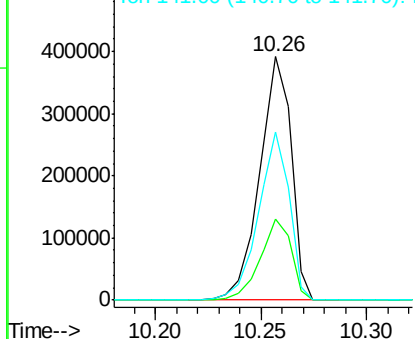


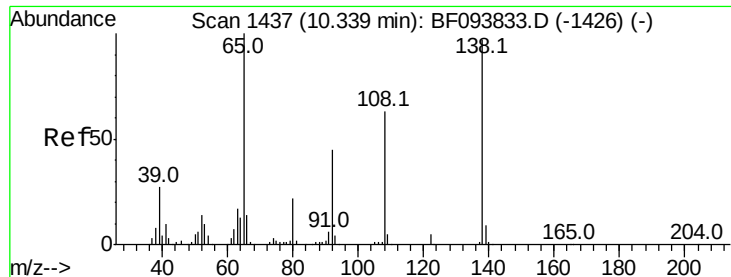
#60
4-Chlorophenyl-phenylether
Concen: 44.62 ng
RT: 10.26 min Scan# 1423
Delta R.T. -0.02 min
Lab File: BF094010.D
Acq: 28 Mar 2017 23:21

Tgt Ion:204 Resp: 408381
Ion Ratio Lower Upper
204 100
206 33.5 26.2 39.2
141 69.2 60.8 91.2



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

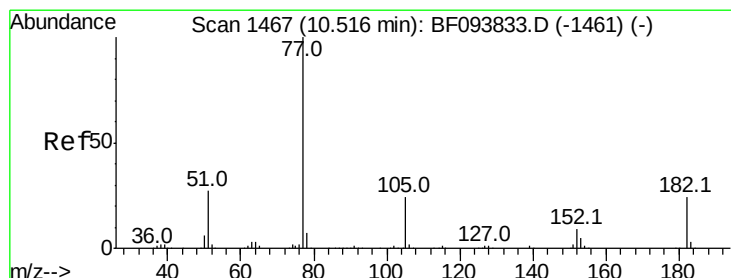
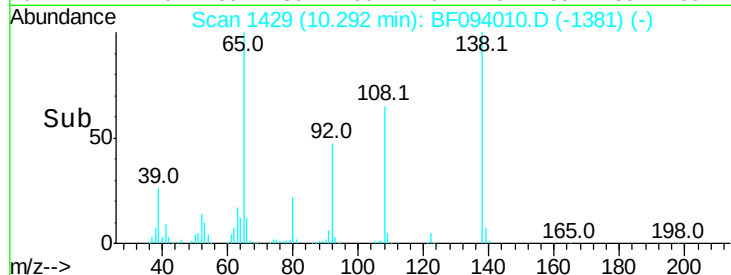
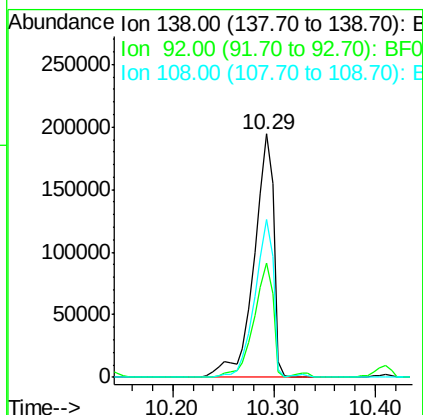
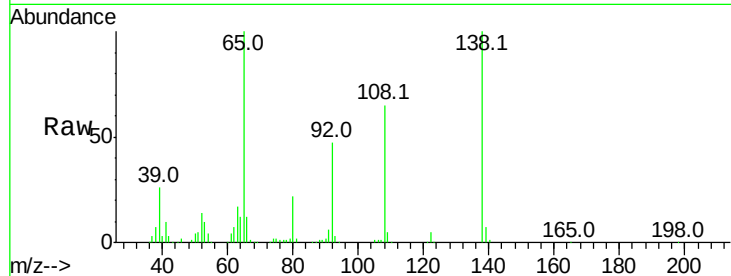




#61
4-Nitroaniline
Concen: 45.65 ng
RT: 10.29 min Scan# 1429
Delta R.T. -0.02 min
Lab File: BF094010.D
Acq: 28 Mar 2017 23:21

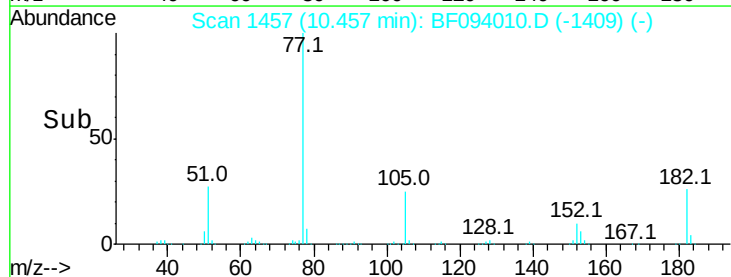
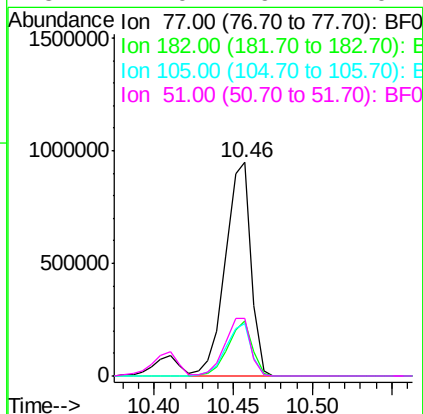
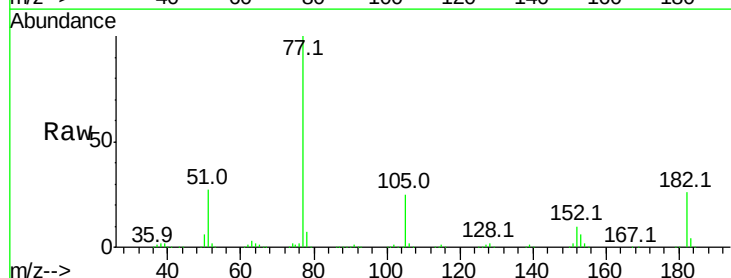
Instrument :
BNA_F
ClientSampleId :
HHD-GW1MSD

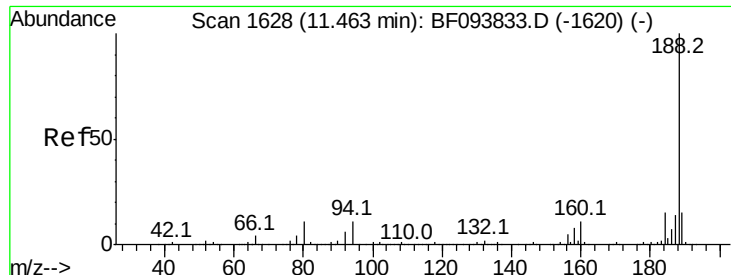
Tot Ion:138 Resp: 260553
Ion Ratio Lower Upper
138 100
92 46.9 21.8 61.8
108 64.8 42.3 82.3



#62
Azobenzene
Concen: 51.36 ng
RT: 10.46 min Scan# 1457
Delta R.T. -0.02 min
Lab File: BF094010.D
Acq: 28 Mar 2017 23:21

Tgt Ion: 77 Resp: 1060890
Ion Ratio Lower Upper
77 100
182 25.8 0.1 40.1
105 24.7 3.6 43.6
51 27.0 9.4 49.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 1617

Delta R.T. -0.02 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

Instrument :

BNA_F

ClientSampleId :

HHD-GW1MSD

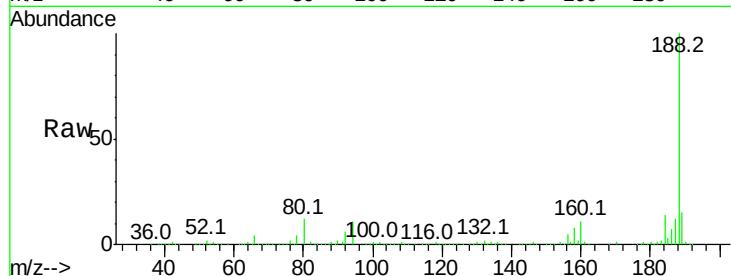
Tot Ion:188 Resp: 538989

Ion Ratio Lower Upper

188 100

94 10.6 9.4 14.2

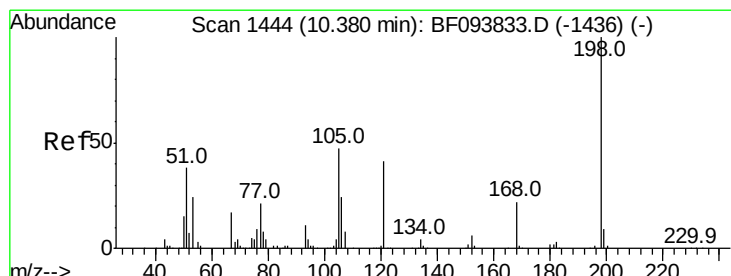
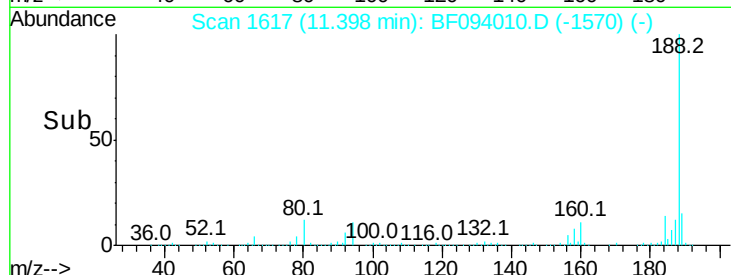
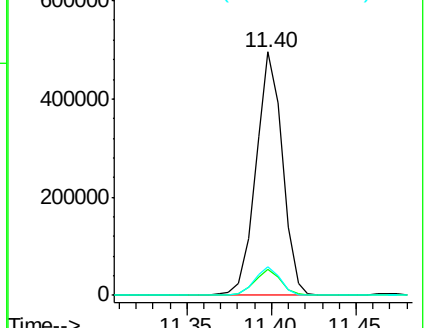
80 11.8 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 44.65 ng

RT: 10.33 min Scan# 1435

Delta R.T. -0.02 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

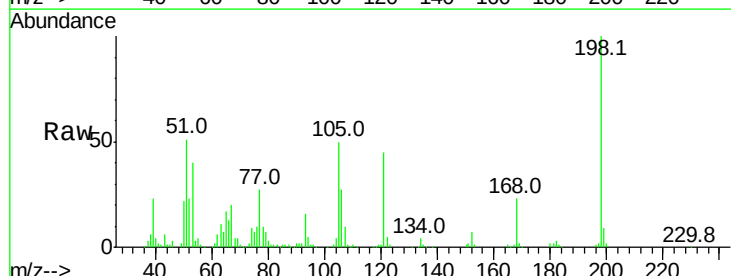
Tgt Ion:198 Resp: 147390

Ion Ratio Lower Upper

198 100

51 50.9 53.2 93.2#

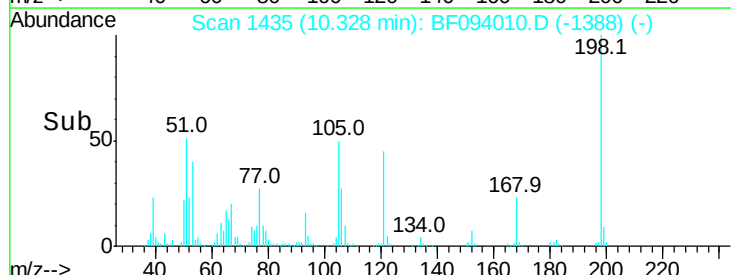
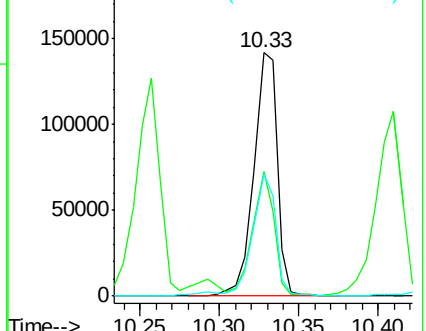
105 50.1 45.8 85.8

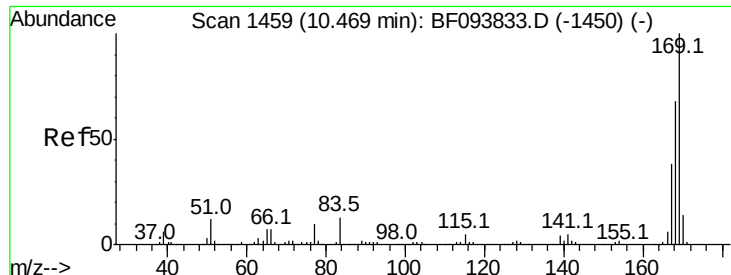


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

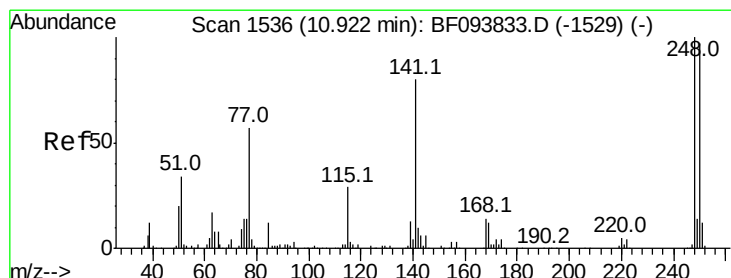
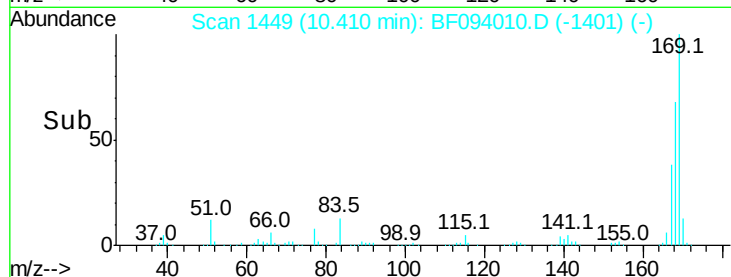
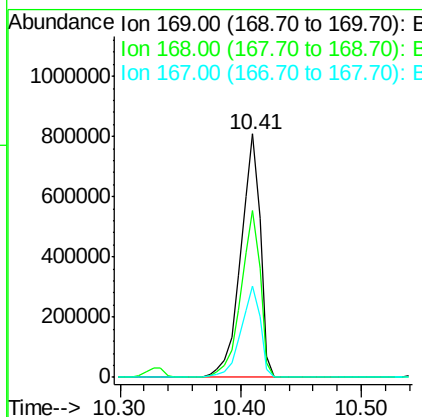
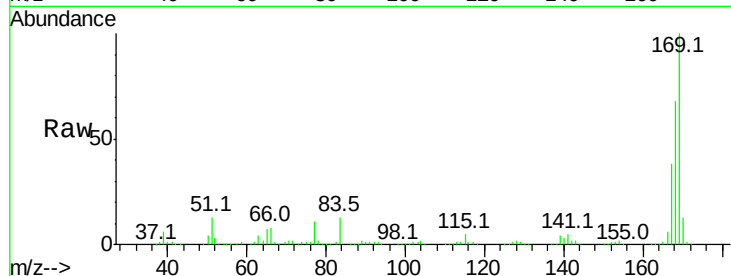




#65
 n-Nitrosodiphenylamine
 Concen: 48.93 ng
 RT: 10.41 min Scan# 1449
 Delta R.T. -0.02 min
 Lab File: BF094010.D
 Acq: 28 Mar 2017 23:21

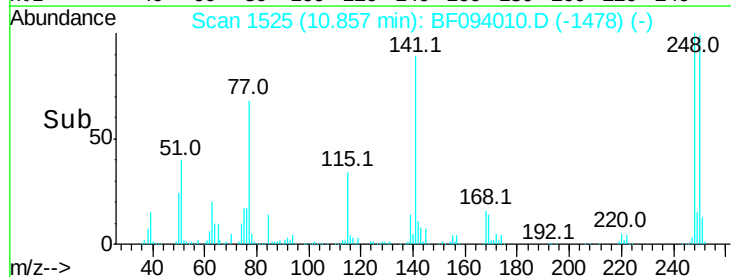
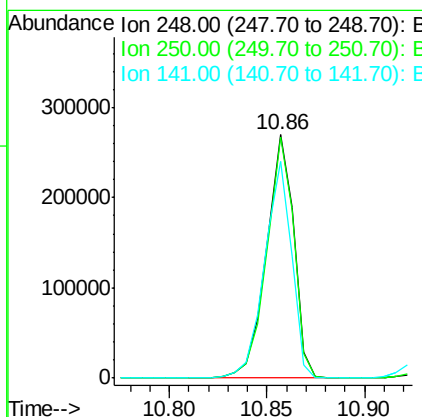
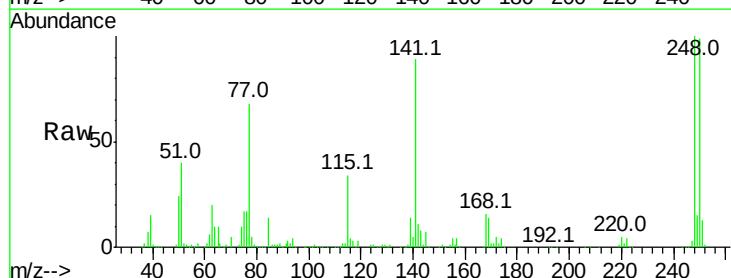
Instrument :
 BNA_F
 ClientSampleId :
 HHD-GW1MSD

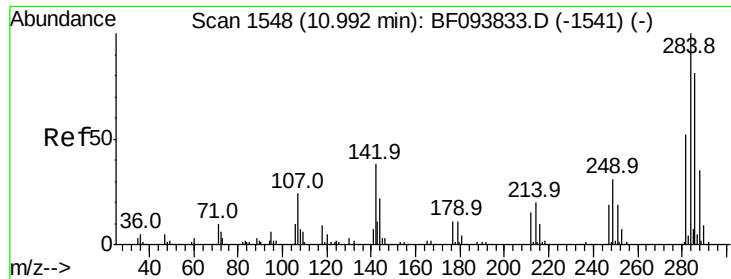
Tot Ion:169 Resp: 911993
 Ion Ratio Lower Upper
 169 100
 168 68.3 53.2 79.8
 167 37.7 29.5 44.3



#66
 4-Bromophenyl-phenylether
 Concen: 49.72 ng
 RT: 10.86 min Scan# 1525
 Delta R.T. -0.02 min
 Lab File: BF094010.D
 Acq: 28 Mar 2017 23:21

Tgt Ion:248 Resp: 263562
 Ion Ratio Lower Upper
 248 100
 250 98.8 76.8 115.2
 141 88.8 68.6 103.0





#67

Hexachlorobenzene

Concen: 49.98 ng

RT: 10.93 min Scan# 1537

Delta R.T. -0.02 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

Instrument :

BNA_F

ClientSampleId :

HHD-GW1MSD

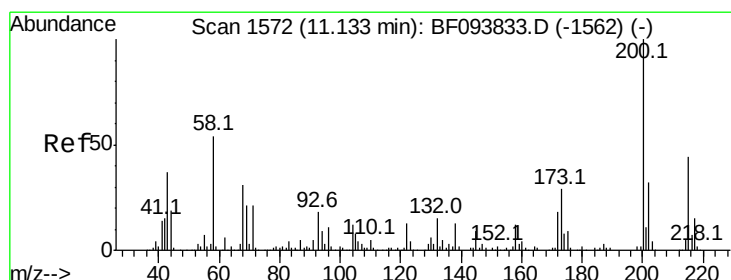
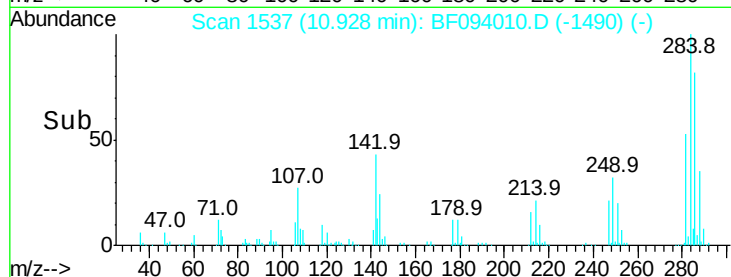
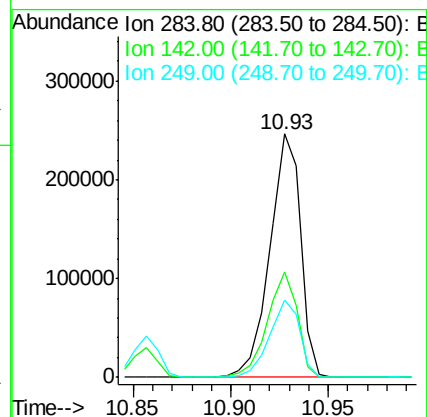
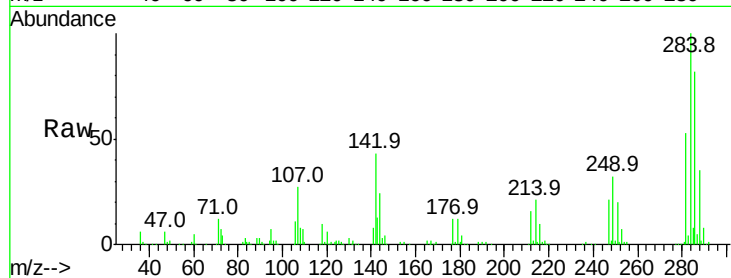
Tot Ion:284 Resp: 268198

Ion Ratio Lower Upper

284 100

142 43.0 22.8 34.2#

249 31.8 24.0 36.0



#68

Atrazine

Concen: 47.81 ng

RT: 11.08 min Scan# 1563

Delta R.T. -0.02 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

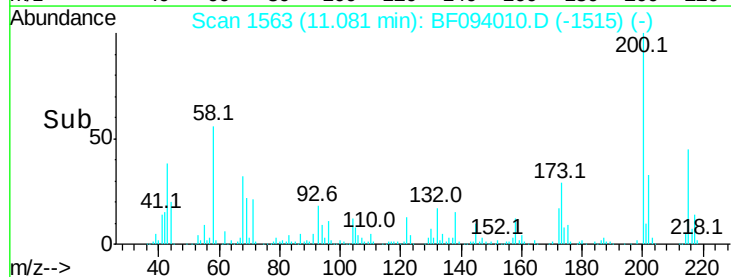
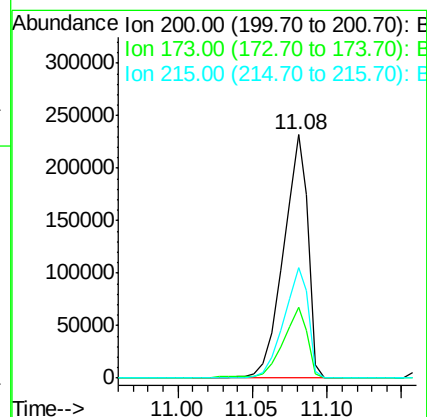
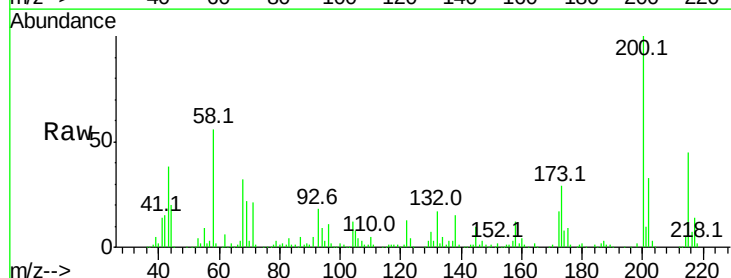
Tgt Ion:200 Resp: 266921

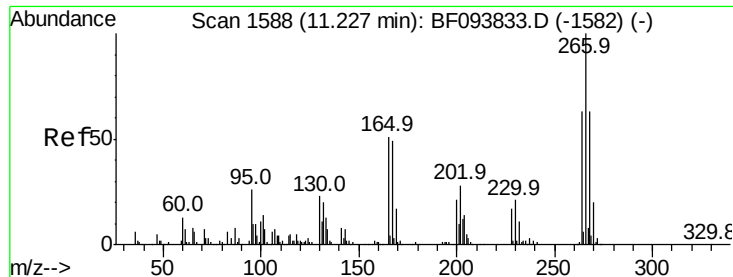
Ion Ratio Lower Upper

200 100

173 29.1 6.3 46.3

215 45.4 27.2 67.2





#69

Pentachlorophenol

Concen: 84.33 ng

RT: 11.17 min Scan# 1579

Delta R.T. -0.02 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

Instrument :

BNA_F

ClientSampleId :

HHD-GW1MSD

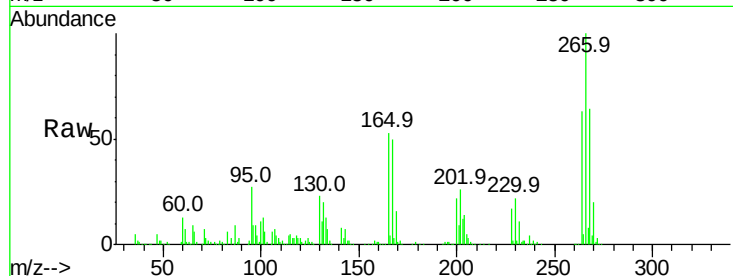
Tot Ion:266 Resp: 281661

Ion Ratio Lower Upper

266 100

268 64.0 51.1 76.7

264 63.1 51.7 77.5



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

11.17

250000

200000

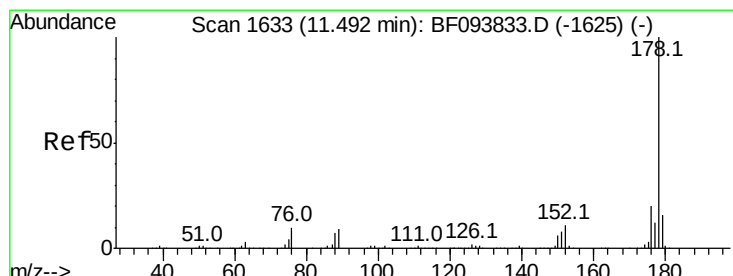
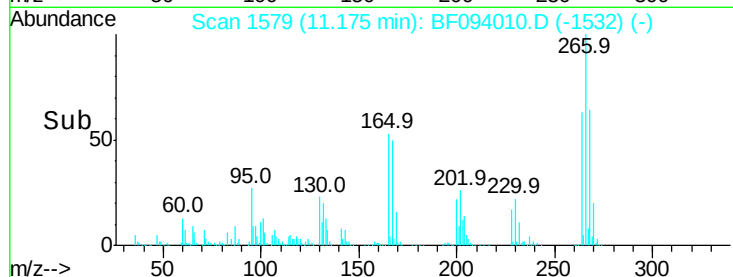
150000

100000

50000

0

Time--> 11.10 11.20 11.30



#70

Phenanthrene

Concen: 46.57 ng

RT: 11.43 min Scan# 1623

Delta R.T. -0.02 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

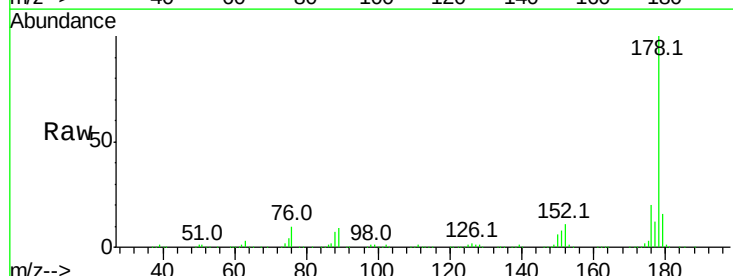
Tgt Ion:178 Resp: 1396363

Ion Ratio Lower Upper

178 100

176 20.4 16.2 24.4

179 15.8 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

11.43

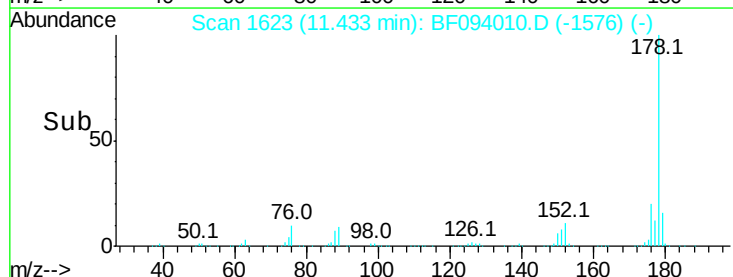
1500000

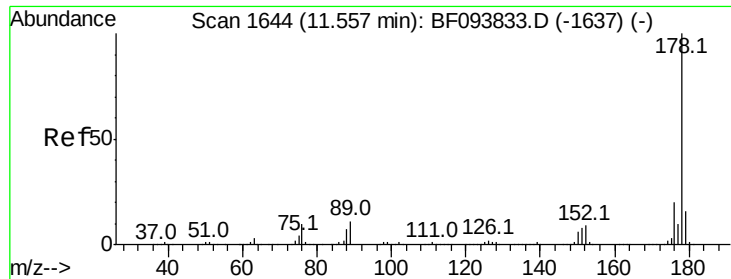
1000000

500000

0

Time--> 11.35 11.40 11.45

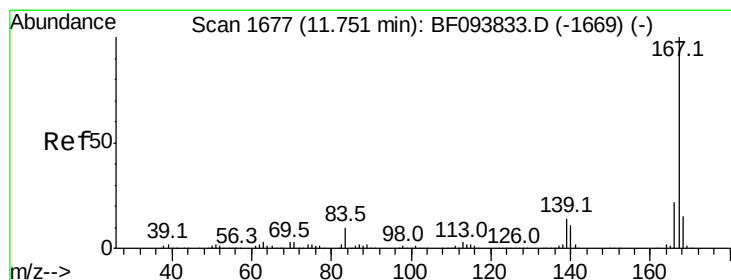
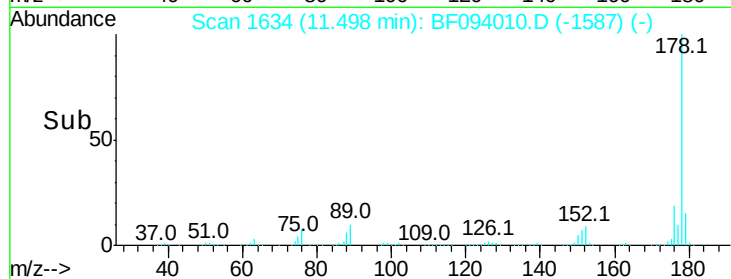
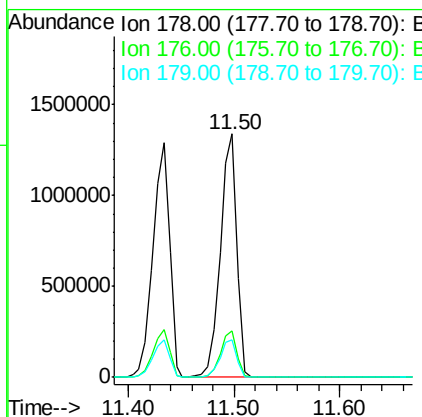
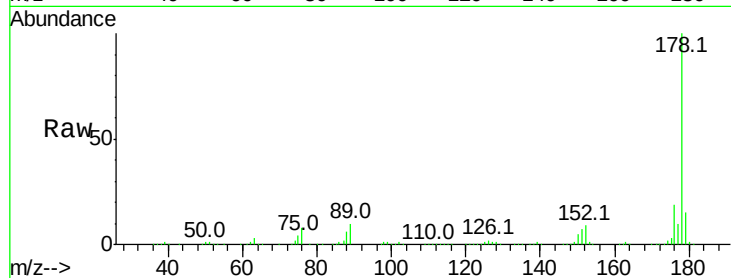




#71
 Anthracene
 Concen: 47.40 ng
 RT: 11.50 min Scan# 1634
 Delta R.T. -0.02 min
 Lab File: BF094010.D
 Acq: 28 Mar 2017 23:21

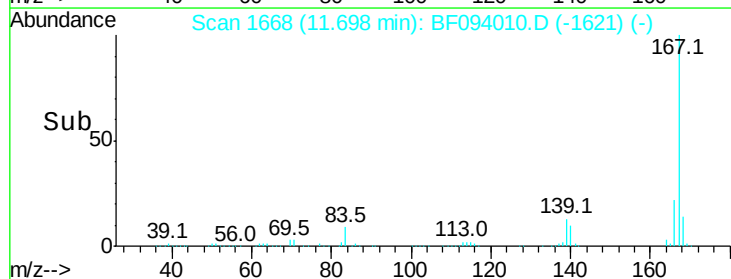
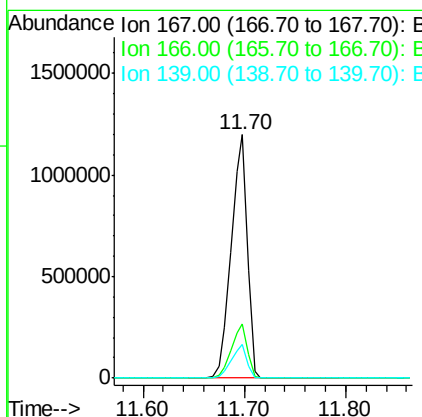
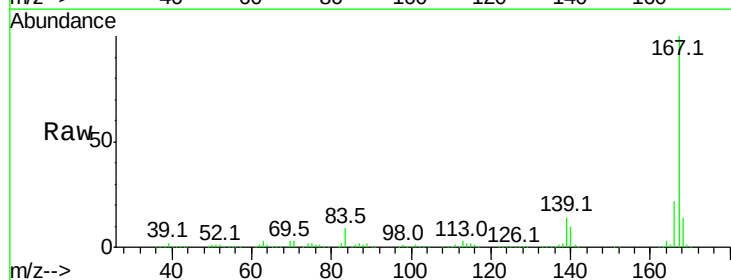
Instrument :
 BNA_F
 ClientSampleId :
 HHD-GW1MSD

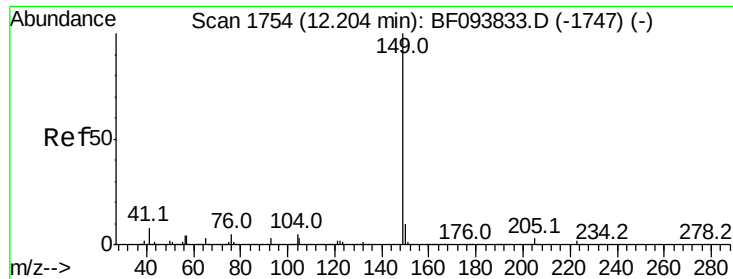
Tot Ion:178 Resp: 1463294
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 15.3 12.7 19.1



#72
 Carbazole
 Concen: 41.66 ng
 RT: 11.70 min Scan# 1668
 Delta R.T. -0.02 min
 Lab File: BF094010.D
 Acq: 28 Mar 2017 23:21

Tgt Ion:167 Resp: 1318921
 Ion Ratio Lower Upper
 167 100
 166 22.2 18.1 27.1
 139 13.7 11.7 17.5





#73

Di-n-butylphthalate

Concen: 50.83 ng

RT: 12.15 min Scan# 1744

Delta R.T. -0.02 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

Instrument :

BNA_F

ClientSampleId :

HHD-GW1MSD

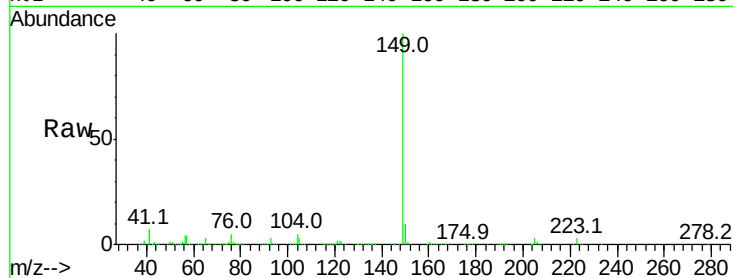
Tot Ion:149 Resp: 1673434

Ion Ratio Lower Upper

149 100

150 9.6 7.7 11.5

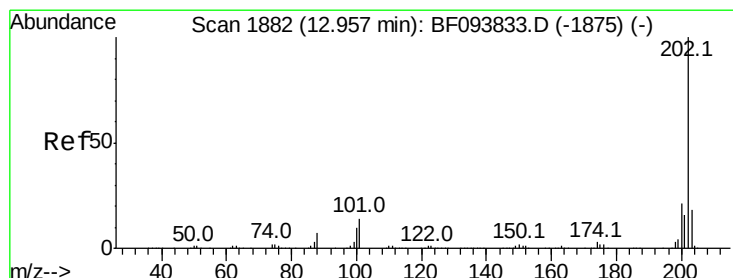
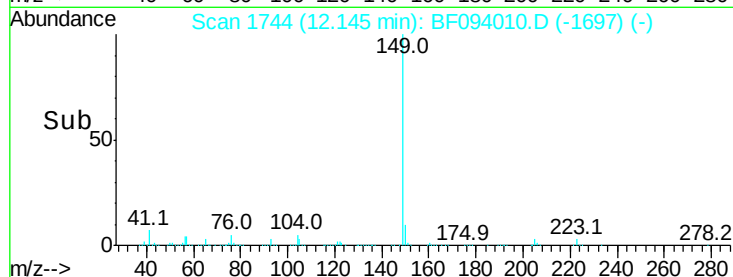
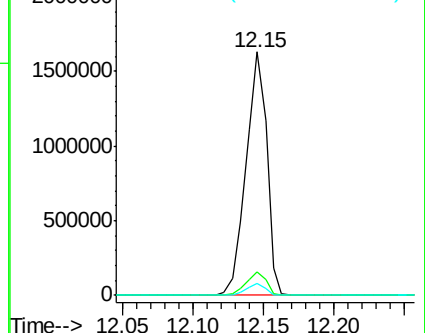
104 4.8 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 44.92 ng

RT: 12.89 min Scan# 1871

Delta R.T. -0.03 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

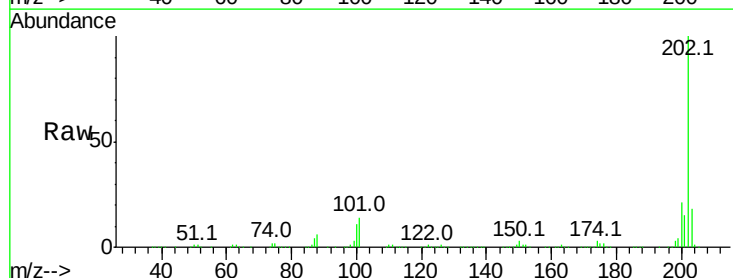
Tgt Ion:202 Resp: 1379118

Ion Ratio Lower Upper

202 100

101 13.7 0.0 33.2

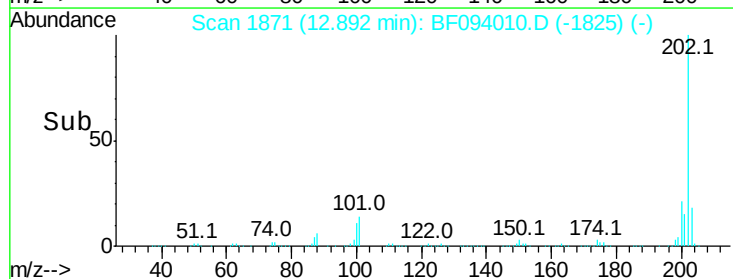
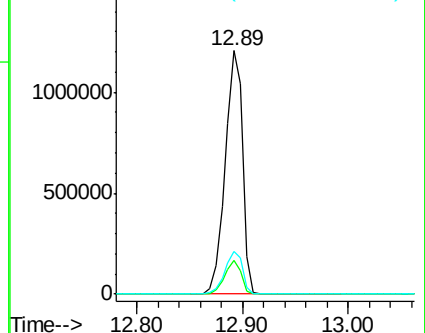
203 17.7 0.0 38.1

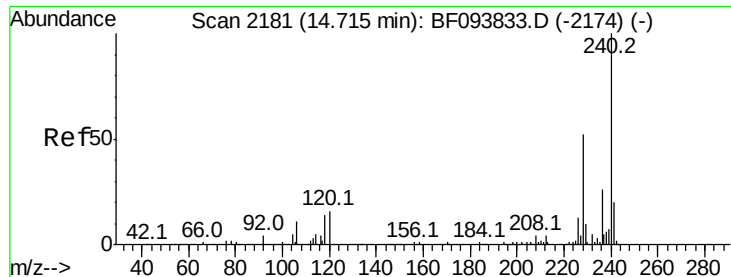


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.65 min Scan# 2170

Delta R.T. -0.03 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

Instrument :

BNA_F

ClientSampleId :

HHD-GW1MSD

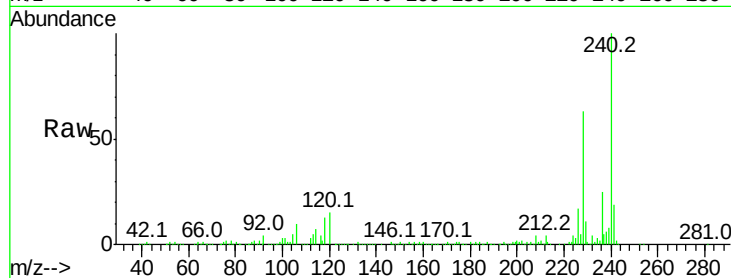
Tot Ion:240 Resp: 360891

Ion Ratio Lower Upper

240 100

120 15.3 5.8 8.8#

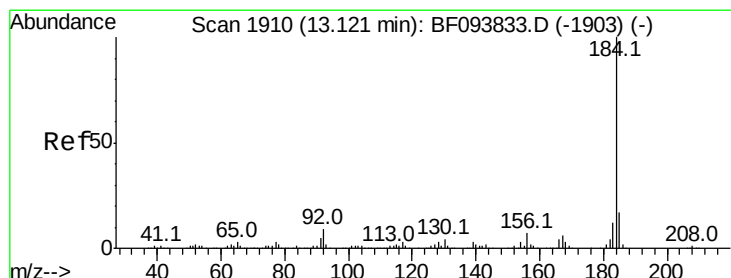
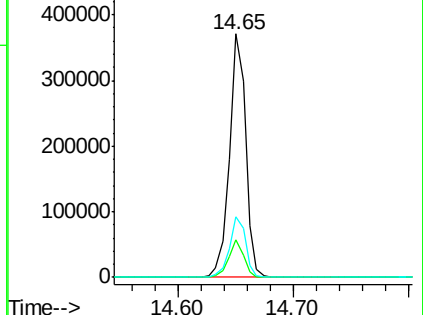
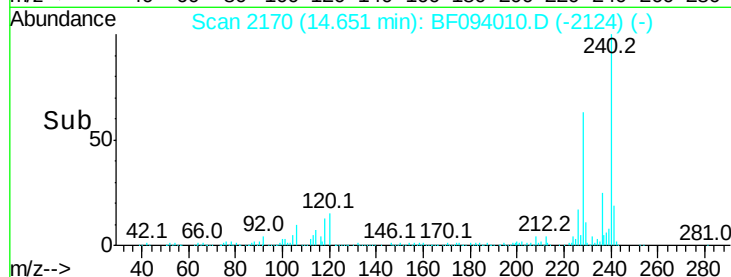
236 24.9 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 36.87 ng

RT: 13.06 min Scan# 1899

Delta R.T. -0.03 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

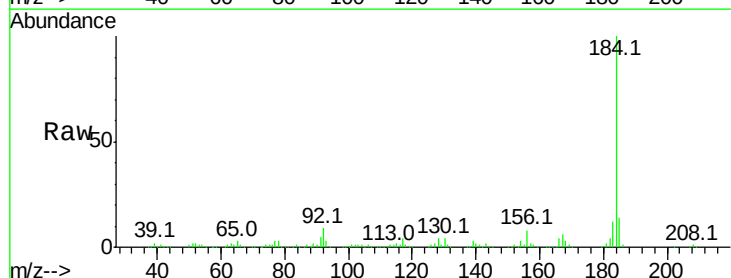
Tgt Ion:184 Resp: 526573

Ion Ratio Lower Upper

184 100

185 13.9 15.5 23.3#

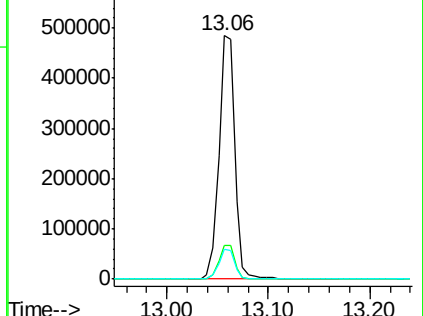
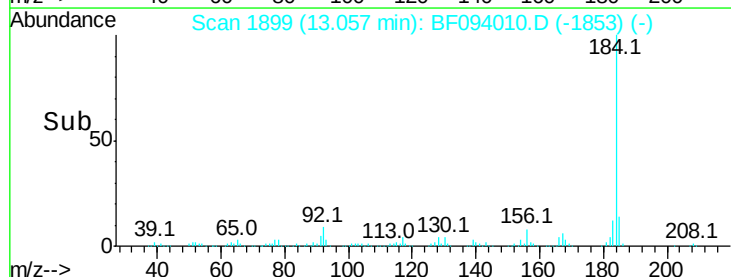
183 12.1 9.8 14.6

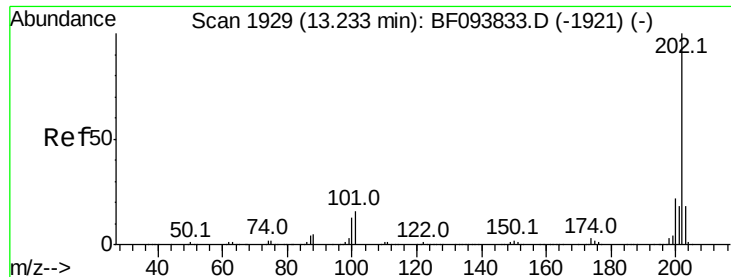


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

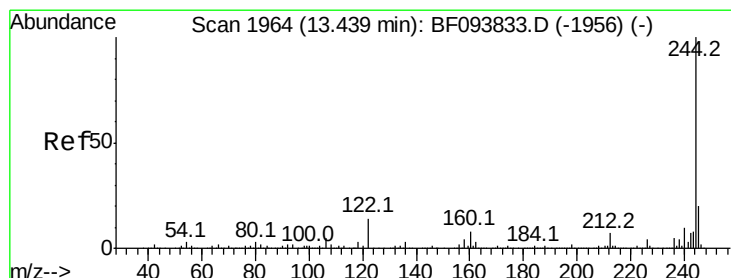
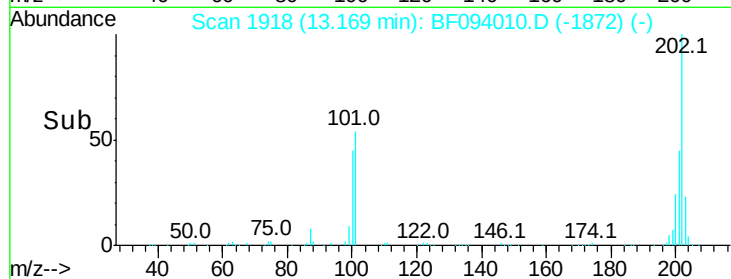
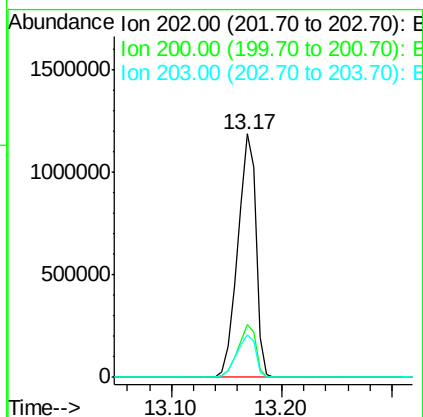
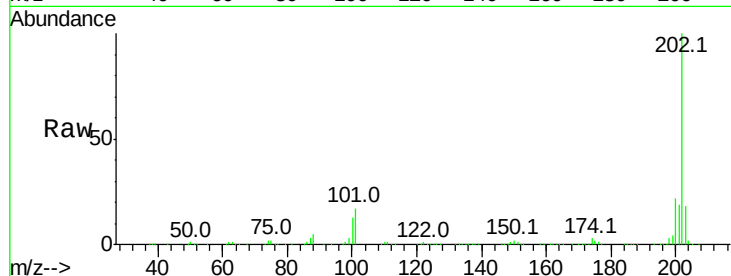




#77
Pvrene
Concen: 52.69 ng
RT: 13.17 min Scan# 1918
Delta R.T. -0.03 min
Lab File: BF094010.D
Acq: 28 Mar 2017 23:21

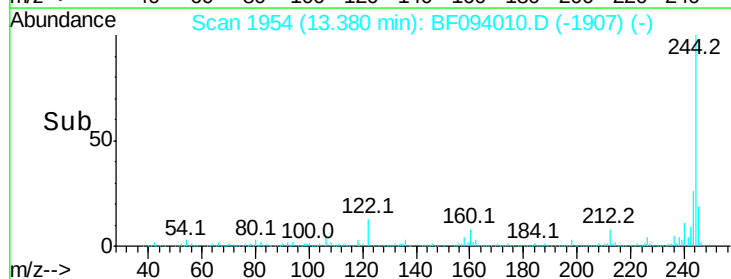
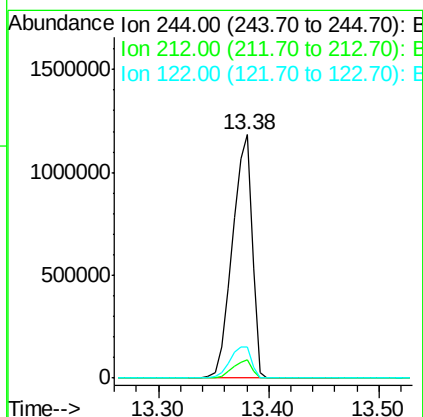
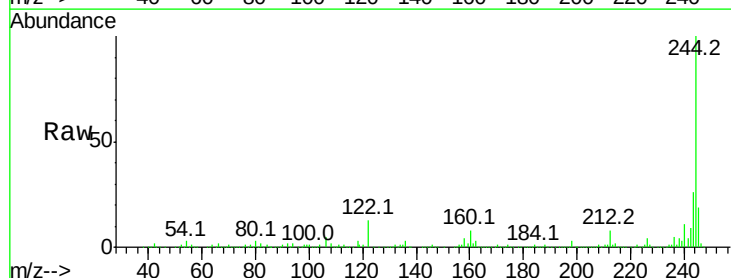
Instrument :
BNA_F
ClientSampleId :
HHD-GW1MSD

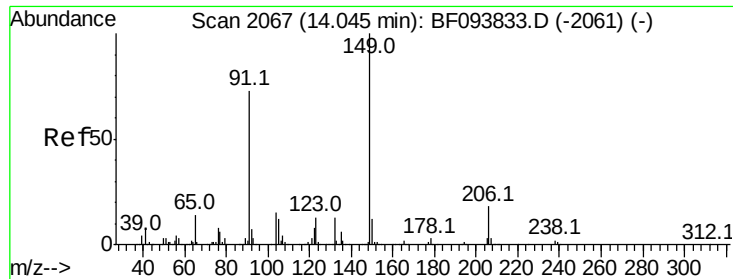
Tot Ion:202 Resp: 1380025
Ion Ratio Lower Upper
202 100
200 21.7 17.6 26.4
203 17.7 14.4 21.6



#78
Terphenyl-d14
Concen: 92.70 ng
RT: 13.38 min Scan# 1954
Delta R.T. -0.02 min
Lab File: BF094010.D
Acq: 28 Mar 2017 23:21

Tgt Ion:244 Resp: 1492440
Ion Ratio Lower Upper
244 100
212 7.5 6.0 9.0
122 13.0 10.3 15.5





#79

Butylbenzylphthalate

Concen: 59.89 ng

RT: 13.99 min Scan# 2057

Delta R.T. -0.02 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

Instrument :

BNA_F

ClientSampleId :

HHD-GW1MSD

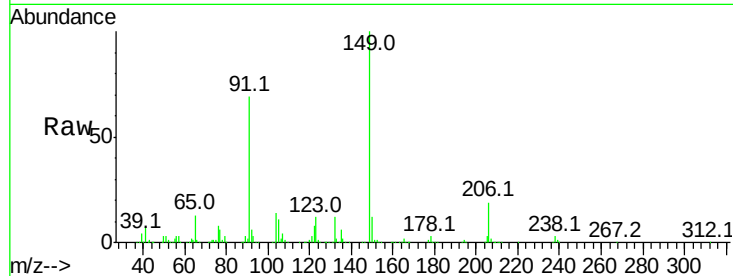
Tot Ion:149 Resp: 668368

Ion Ratio Lower Upper

149 100

91 69.3 45.0 67.4#

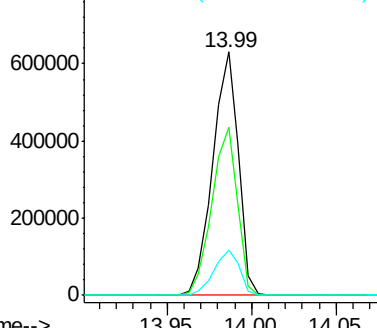
206 18.7 17.0 25.6



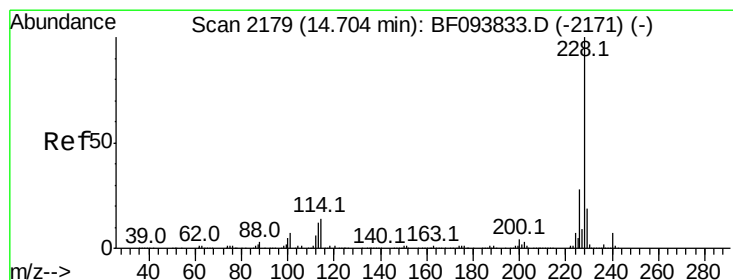
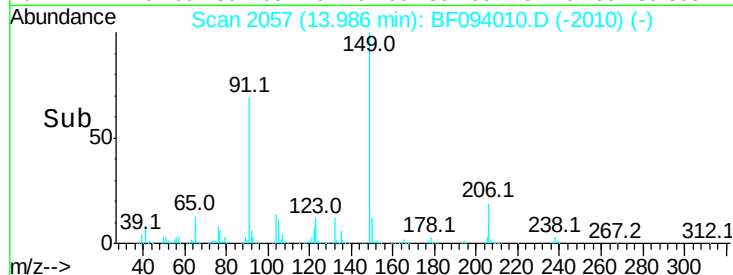
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



Time-->



#80

Benzo(a)anthracene

Concen: 49.23 ng

RT: 14.64 min Scan# 2168

Delta R.T. -0.03 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

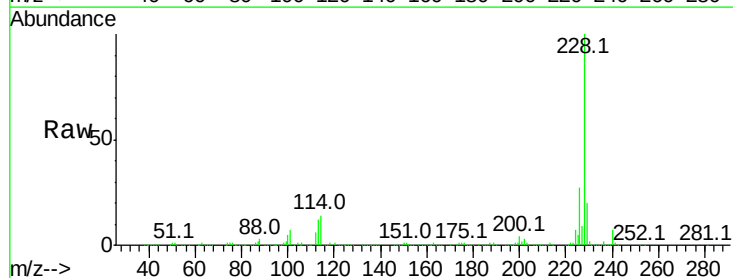
Tgt Ion:228 Resp: 1036011

Ion Ratio Lower Upper

228 100

226 27.2 22.6 33.8

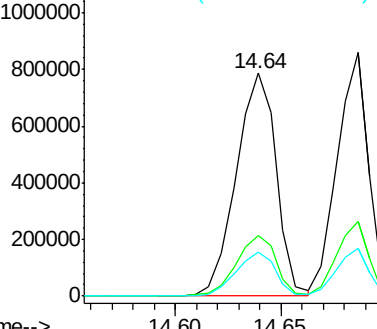
229 19.8 16.3 24.5



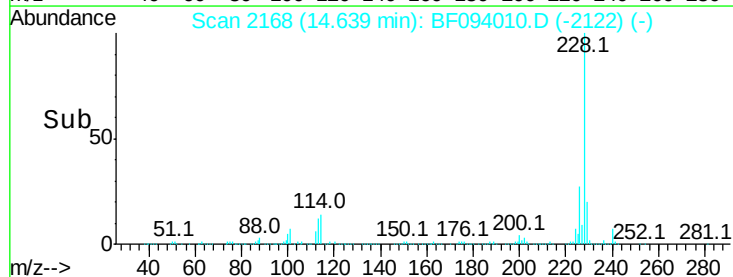
Abundance Ion 228.00 (227.70 to 228.70): E

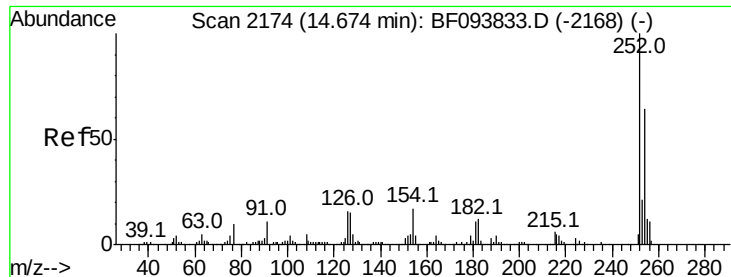
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->

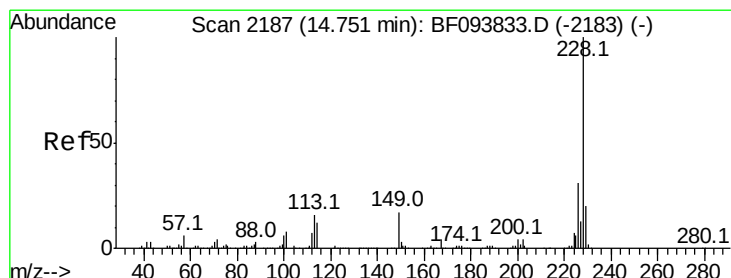
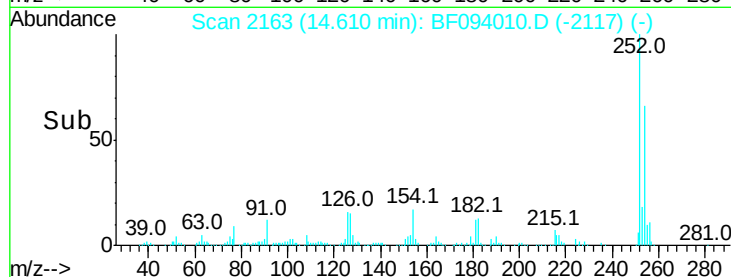
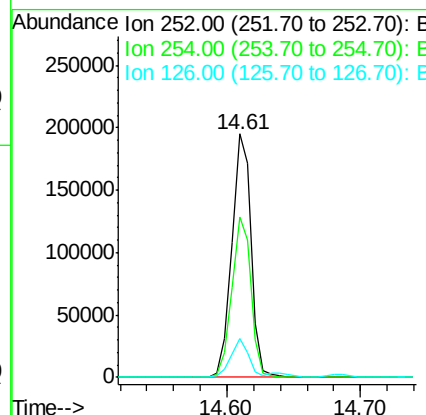
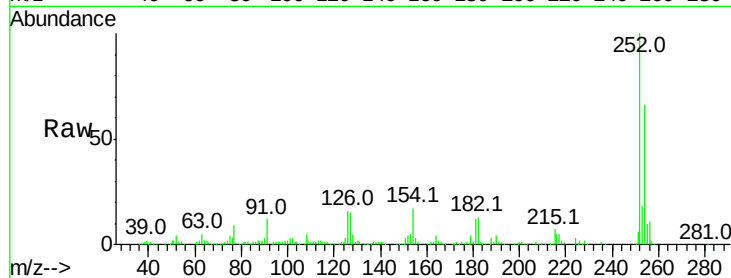




#81
 3,3'-Dichlorobenzidine
 Concen: 26.55 ng
 RT: 14.61 min Scan# 2163
 Delta R.T. -0.03 min
 Lab File: BF094010.D
 Acq: 28 Mar 2017 23:21

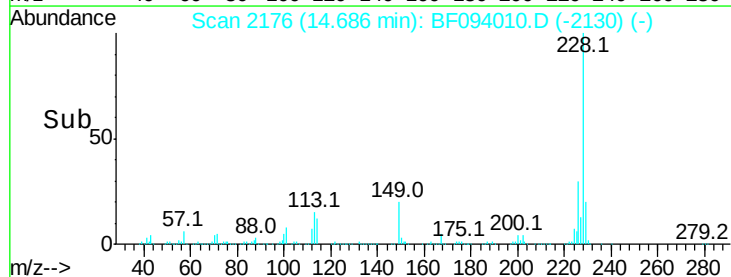
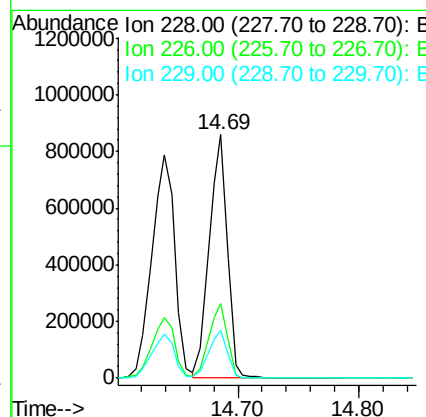
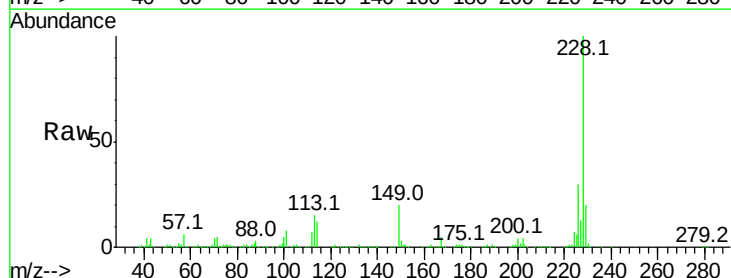
Instrument :
 BNA_F
 ClientSampleId :
 HHD-GW1MSD

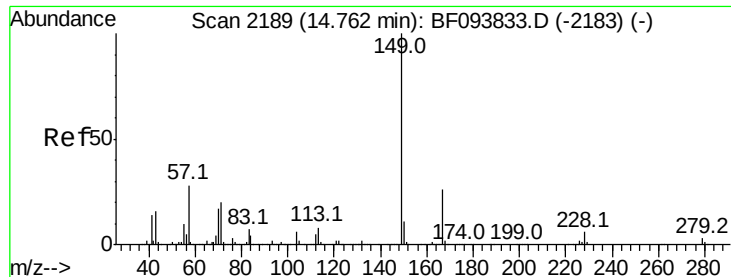
Tot Ion	Ratio	Lower	Upper
252	100		
254	65.7	51.5	77.3
126	16.2	15.8	23.8



#82
 Chrysene
 Concen: 45.53 ng
 RT: 14.69 min Scan# 2176
 Delta R.T. -0.03 min
 Lab File: BF094010.D
 Acq: 28 Mar 2017 23:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	19.6	15.8	23.6

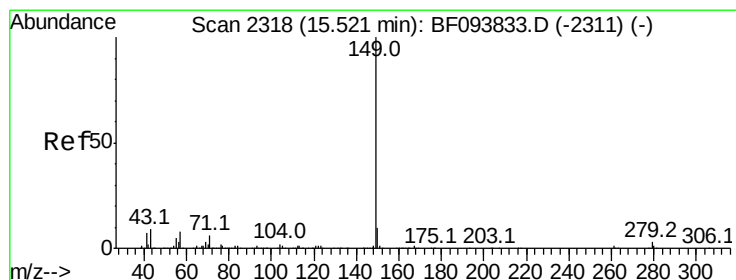
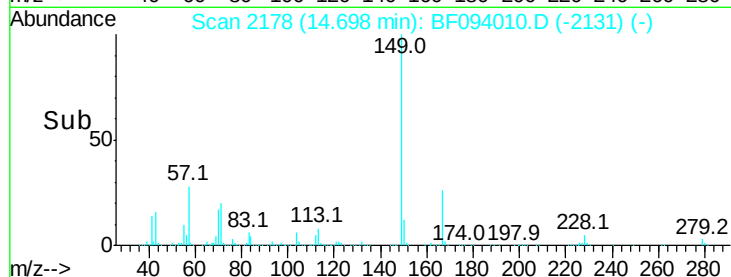
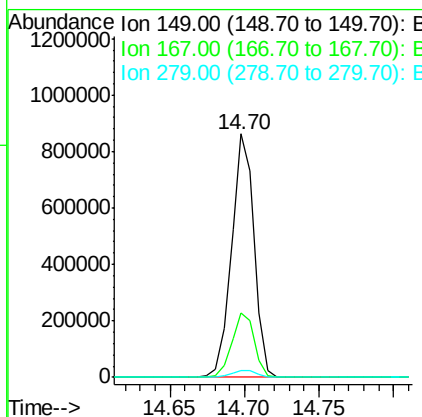
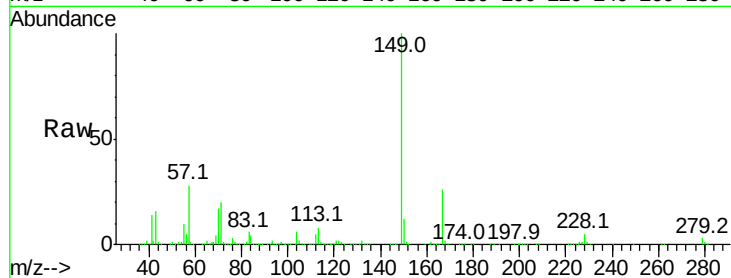




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 59.98 ng
 RT: 14.70 min Scan# 2178
 Delta R.T. -0.02 min
 Lab File: BF094010.D
 Acq: 28 Mar 2017 23:21

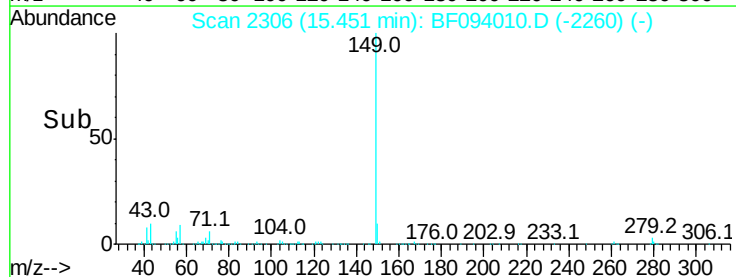
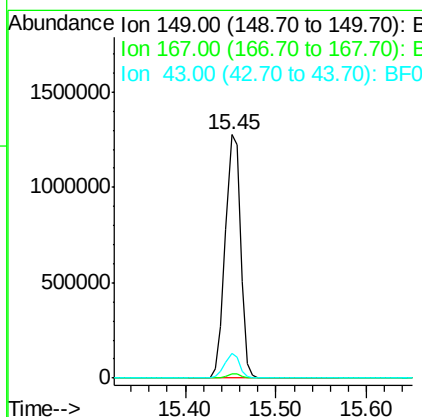
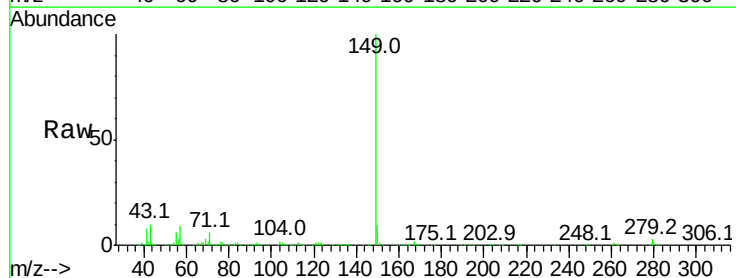
Instrument :
 BNA_F
 ClientSampleId :
 HHD-GW1MSD

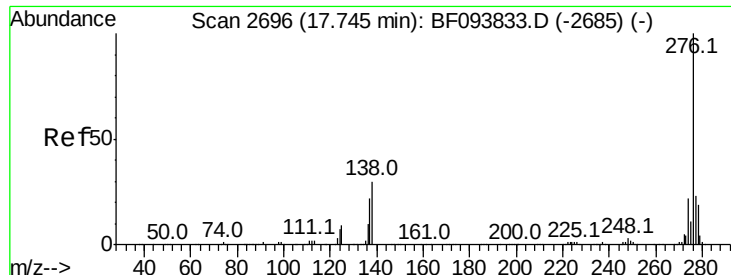
Tot Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.0	31.4
279	2.9	1.9	2.9#



#84
 Di-n-octyl phthalate
 Concen: 58.61 ng
 RT: 15.45 min Scan# 2306
 Delta R.T. -0.03 min
 Lab File: BF094010.D
 Acq: 28 Mar 2017 23:21

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.6	8.5	12.7

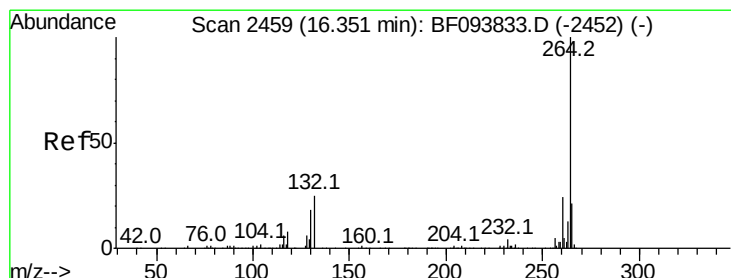
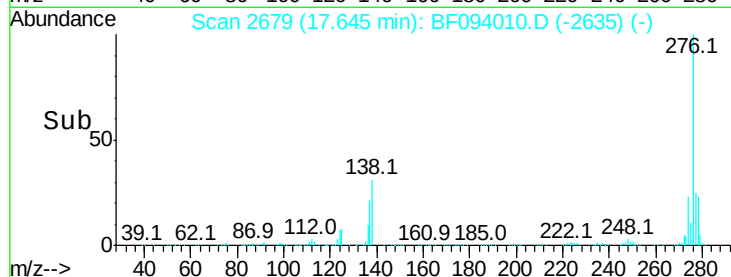
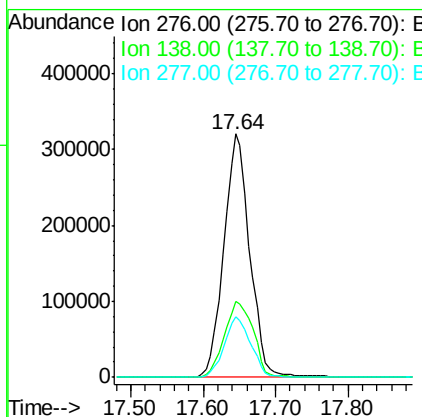
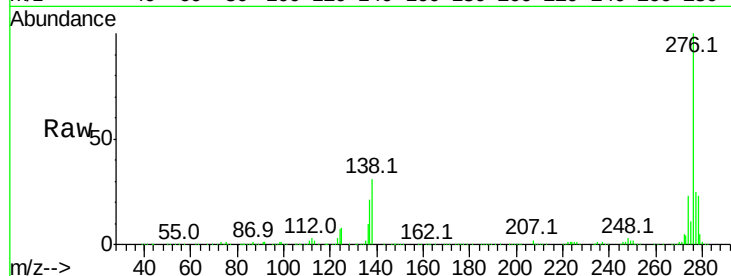




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 46.99 ng
 RT: 17.64 min Scan# 2679
 Delta R.T. -0.04 min
 Lab File: BF094010.D
 Acq: 28 Mar 2017 23:21

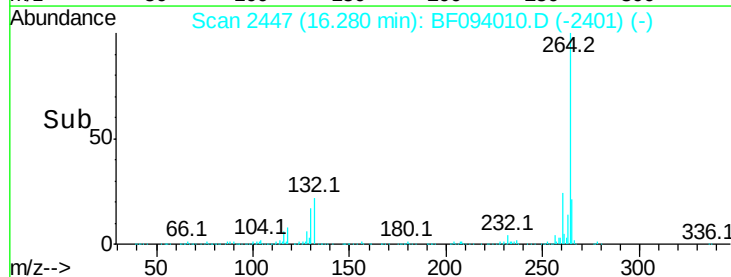
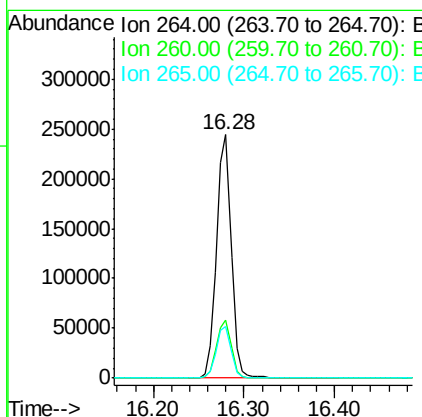
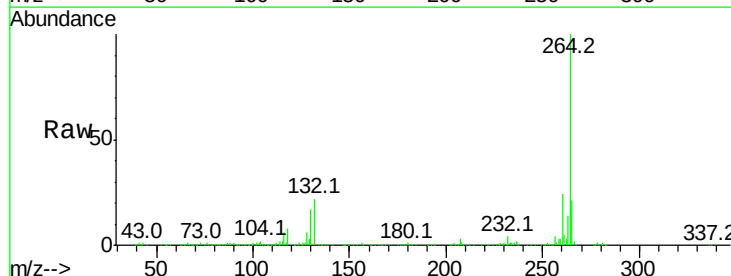
Instrument :
 BNA_F
 ClientSampleId :
 HHD-GW1MSD

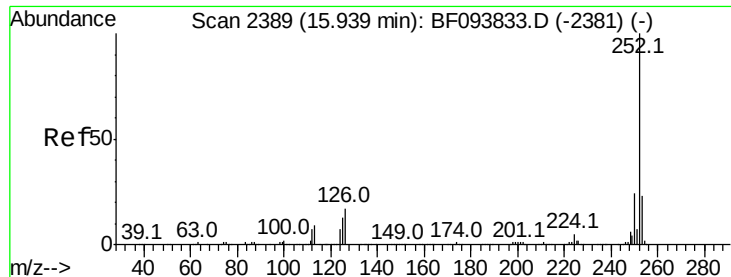
Tot Ion:276 Resp: 794744
 Ion Ratio Lower Upper
 276 100
 138 35.0 27.8 41.6
 277 25.6 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.28 min Scan# 2447
 Delta R.T. -0.03 min
 Lab File: BF094010.D
 Acq: 28 Mar 2017 23:21

Tgt Ion:264 Resp: 274265
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.5 29.3
 265 21.3 17.2 25.8

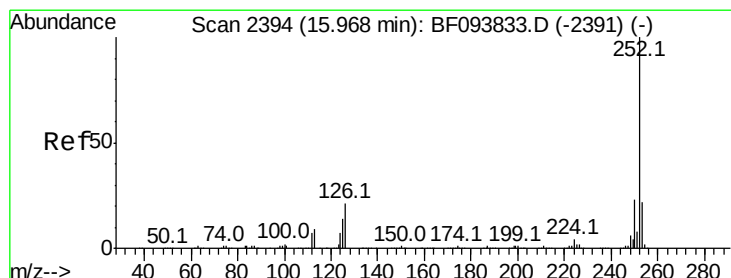
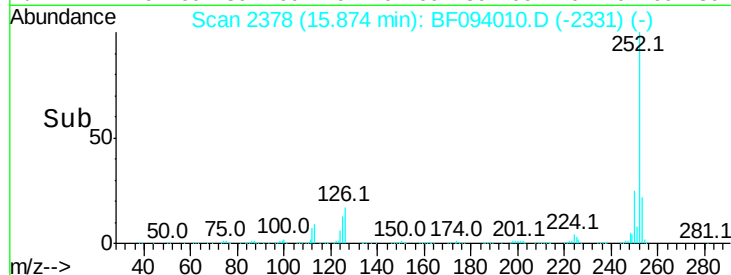
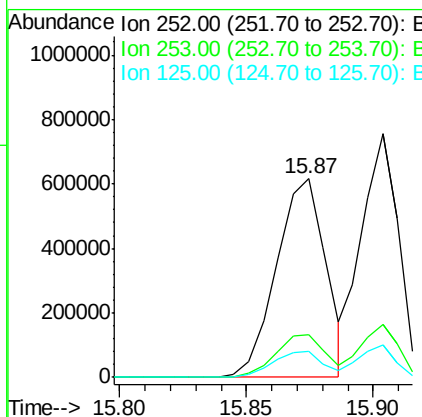
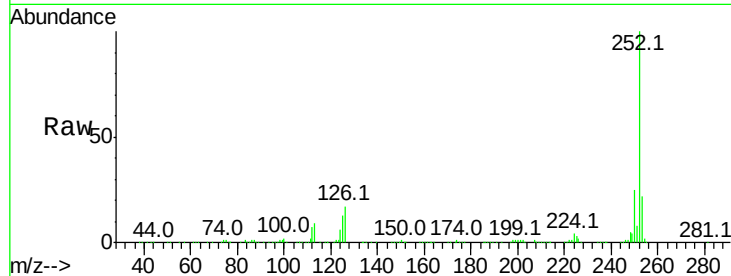




#87
Benzo(b)fluoranthene
Concen: 49.60 ng
RT: 15.87 min Scan# 2378
Delta R.T. -0.02 min
Lab File: BF094010.D
Acq: 28 Mar 2017 23:21

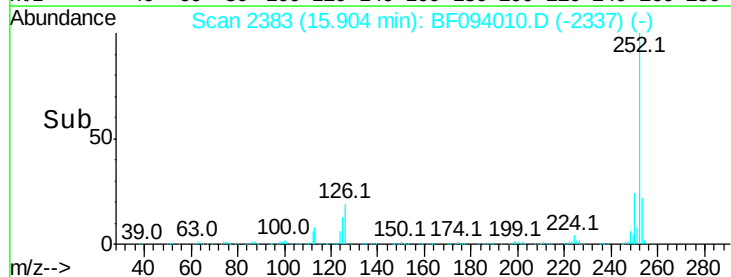
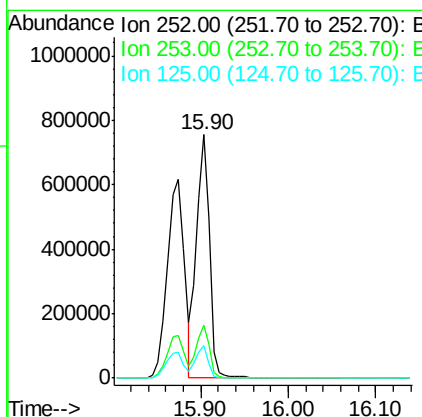
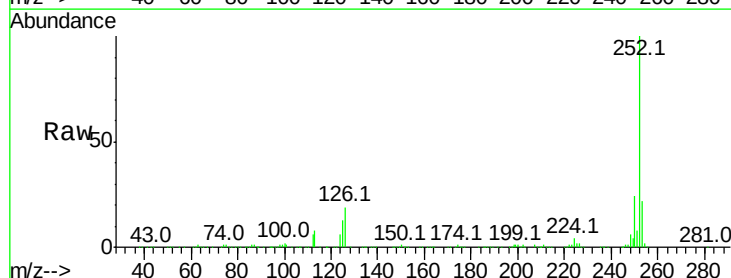
Instrument :
BNA_F
ClientSampleId :
HHD-GW1MSD

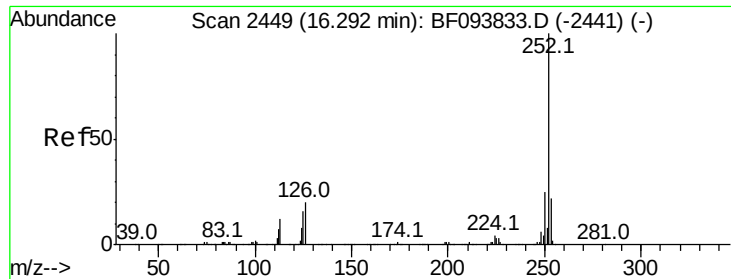
Tot Ion:252 Resp: 833918
Ion Ratio Lower Upper
252 100
253 21.5 18.1 27.1
125 13.2 9.8 14.8



#88
Benzo(k)fluoranthene
Concen: 47.98 ng
RT: 15.90 min Scan# 2383
Delta R.T. -0.03 min
Lab File: BF094010.D
Acq: 28 Mar 2017 23:21

Tgt Ion:252 Resp: 789232
Ion Ratio Lower Upper
252 100
253 21.8 18.4 27.6
125 13.3 13.1 19.7





#89

Benzo(a)pyrene

Concen: 49.52 ng

RT: 16.22 min Scan# 2437

Delta R.T. -0.03 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

Instrument :

BNA_F

ClientSampleId :

HHD-GW1MSD

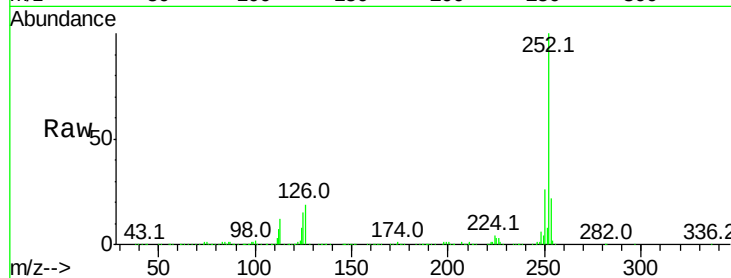
Tot Ion:252 Resp: 766672

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

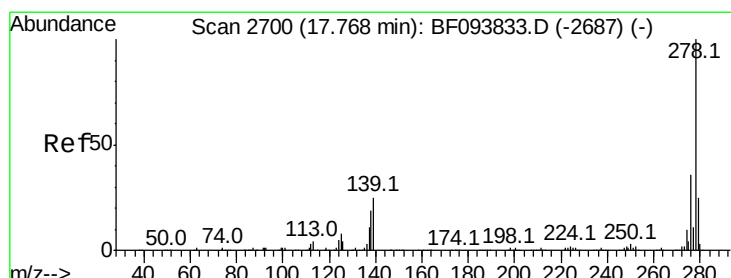
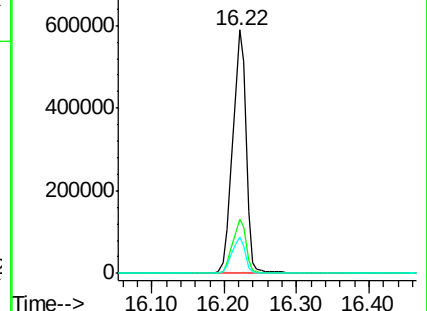
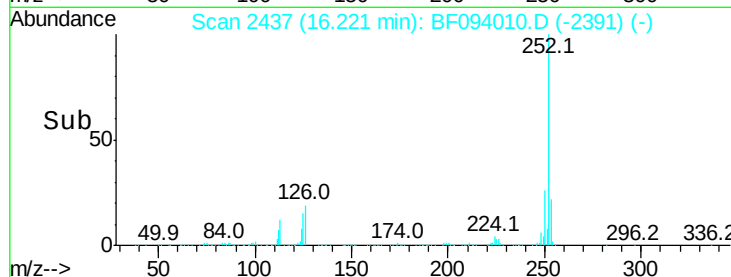
125 15.0 11.0 16.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 51.39 ng

RT: 17.67 min Scan# 2683

Delta R.T. -0.04 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

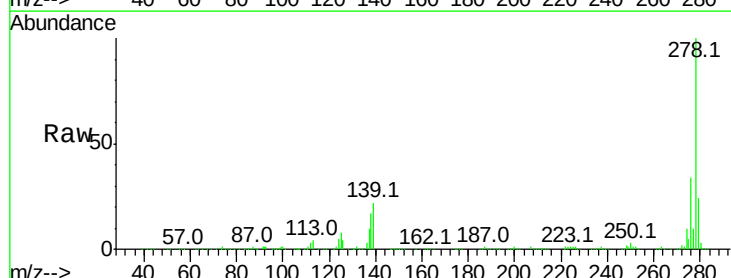
Tgt Ion:278 Resp: 673767

Ion Ratio Lower Upper

278 100

139 21.5 16.6 24.8

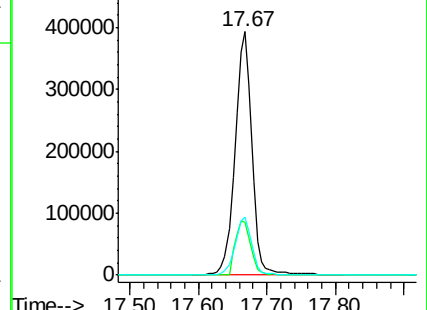
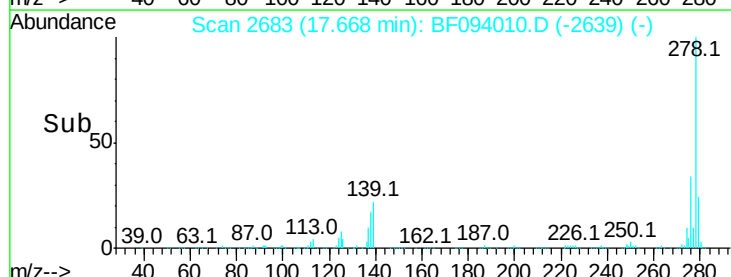
279 23.9 19.3 28.9

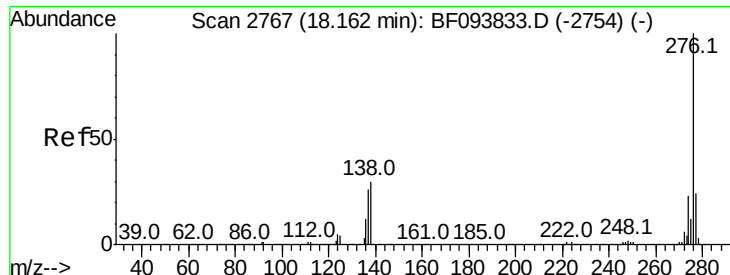


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 49.46 ng

RT: 18.05 min Scan# 2748

Delta R.T. -0.05 min

Lab File: BF094010.D

Acq: 28 Mar 2017 23:21

Instrument :

BNA_F

ClientSampleId :

HHD-GW1MSD

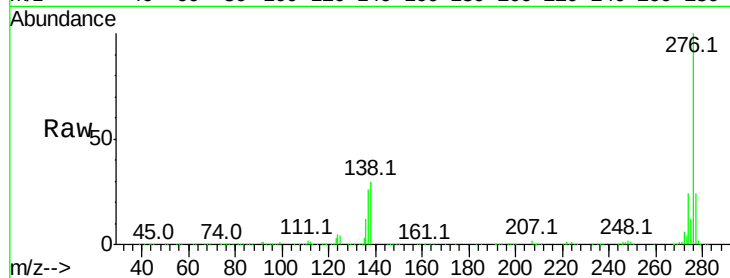
Tot Ion:276 Resp: 653556

Ion Ratio Lower Upper

276 100

277 23.7 18.6 28.0

138 30.2 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

