

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122617\
 Data File : BF101736.D
 Acq On : 27 Dec 2017 1:34
 Operator : SJ/JU
 Sample : I6957-04MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HALSTED-WWMS

Quant Time: Dec 27 05:01:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	121558	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	448497	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	182196	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	317839	20.00	ng	0.00
75) Chrysene-d12	13.97	240	292202	20.00	ng	0.00
86) Perylene-d12	15.44	264	280723	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	586900	71.92	ng	0.01
7) Phenol-d6	6.43	99	654160	64.41	ng	0.00
23) Nitrobenzene-d5	7.36	82	407031	50.52	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	108205	61.63	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	677812	57.71	ng	0.00
78) Terphenyl-d14	12.90	244	601098	49.59	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.54	88	75657	18.043	ng	93
3) Pyridine	3.35	79	160216	13.752	ng	93
4) n-Nitrosodimethylamine	3.27	42	79495	14.820	ng	99
6) Aniline	6.46	93	172847	12.247	ng	# 73
8) 2-Chlorophenol	6.58	128	165955	19.332	ng	97
9) Benzaldehyde	6.36	77	104866	13.981	ng	97
10) Phenol	6.45	94	228780	19.764	ng	92
11) bis(2-Chloroethyl)ether	6.53	93	177516	19.550	ng	96
12) 1,3-Dichlorobenzene	6.73	146	197057	20.339	ng	98
13) 1,4-Dichlorobenzene	6.80	146	206920	20.914	ng	98
14) 1,2-Dichlorobenzene	6.96	146	182140	20.452	ng	98
15) Benzyl Alcohol	6.95	79	136290	19.497	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.06	45	301382	21.688	ng	51
17) 2-Methylphenol	7.06	107	132721	16.808	ng	# 85
18) Hexachloroethane	7.29	117	58458	16.994	ng	93
19) n-Nitroso-di-n-propylamine	7.20	70	126318	18.939	ng	95
20) 3+4-Methylphenols	7.22	107	180540	21.576	ng	97
22) Acetophenone	7.20	105	255448	24.962	ng	99
24) Nitrobenzene	7.38	77	178410	20.008	ng	99
25) Isophorone	7.61	82	324893	20.101	ng	96
26) 2-Nitrophenol	7.70	139	65350	17.059	ng	99
27) 2,4-Dimethylphenol	7.74	122	134333	20.641	ng	99
28) bis(2-Chloroethoxy)methane	7.82	93	206681	20.131	ng	98
29) 2,4-Dichlorophenol	7.96	162	124642	19.385	ng	98
30) 1,2,4-Trichlorobenzene	8.02	180	140989	20.778	ng	94
31) Naphthalene	8.09	128	479990	21.258	ng	99
32) Benzoic acid	7.74	122	134333	33.513	ng	# 14
33) 4-Chloroaniline	8.16	127	129271	13.173	ng	99
34) Hexachlorobutadiene	8.20	225	83053	21.163	ng	98
35) Caprolactam	8.51	113	38566	17.274	ng	92
36) 4-Chloro-3-methylphenol	8.65	107	128407	18.170	ng	96
37) 2-Methylnaphthalene	8.79	142	306806	20.856	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.95	216	141468	22.998	ng	# 96
40) Hexachlorocyclopentadiene	8.93	237	488	11.852	ng	87

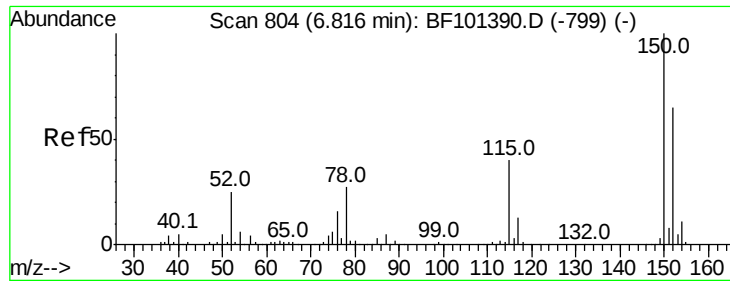
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122617\
 Data File : BF101736.D
 Acq On : 27 Dec 2017 1:34
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.08	196	67397	18.199	nq	98
43) 2,4,5-Trichlorophenol	9.14	196	62483	15.409	nq	94
45) 1,1'-Biphenyl	9.25	154	362990	22.465	nq	98
46) 2-Chloronaphthalene	9.27	162	262797	21.256	nq	97
47) 2-Nitroaniline	9.39	65	85754	20.078	nq	88
48) Acenaphthylene	9.69	152	388541	19.897	nq	99
49) Dimethylphthalate	9.55	163	365040	24.909	nq	99
50) 2,6-Dinitrotoluene	9.62	165	54566	18.320	nq	# 87
51) Acenaphthene	9.86	154	234894	20.021	nq	99
52) 3-Nitroaniline	9.80	138	69065	18.598	nq	99
53) 2,4-Dinitrophenol	10.19	184	139	10.437	nq	# 9
54) Dibenzofuran	10.03	168	338225	22.685	nq	96
55) 4-Nitrophenol	10.03	139	174022	107.470	nq	# 17
56) 2,4-Dinitrotoluene	10.05	165	70076	20.882	nq	# 93
57) Fluorene	10.37	166	269746	21.387	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.17	232	31957	10.969	nq	# 70
59) Diethylphthalate	10.24	149	278645	19.200	nq	98
60) 4-Chlorophenyl-phenylether	10.36	204	129520	21.427	nq	92
61) 4-Nitroaniline	10.42	138	66839	17.907	nq	95
62) Azobenzene	10.53	77	380167	25.287	nq	92
65) n-Nitrosodiphenylamine	10.49	169	245595	20.927	nq	93
66) 4-Bromophenyl-phenylether	10.85	248	77108	21.591	nq	93
67) Hexachlorobenzene	10.93	284	78549	20.781	nq	# 85
68) Atrazine	11.01	200	72497	20.717	nq	97
69) Pentachlorophenol	11.16	266	2769	8.286	nq	# 87
70) Phenanthrene	11.34	178	393020	22.235	nq	99
71) Anthracene	11.40	178	374833	20.761	nq	99
72) Carbazole	11.56	167	328514	19.434	nq	99
73) Di-n-butylphthalate	11.87	149	467075	22.765	nq	98
74) Fluoranthene	12.54	202	382161	20.598	nq	98
76) Benzidine	12.66	184	136008	11.021	nq	98
77) Pyrene	12.77	202	374688	17.086	nq	99
79) Butylbenzylphthalate	13.37	149	181627	18.304	nq	96
80) Benzo(a)anthracene	13.96	228	264184	13.692	nq	97
81) 3,3'-Dichlorobenzidine	13.92	252	98487	15.654	nq	99
82) Chrysene	14.00	228	259836	14.263	nq	98
83) Bis(2-ethylhexyl)phthalate	13.92	149	274248	21.821	nq	96
84) Di-n-octyl phthalate	14.53	149	453910	20.251	nq	99
85) Indeno(1,2,3-cd)pyrene	16.93	276	68739	4.237	nq	95
87) Benzo(b)fluoranthene	15.01	252	185442	10.838	nq	98
88) Benzo(k)fluoranthene	15.04	252	168634	10.137	nq	98
89) Benzo(a)pyrene	15.38	252	143805	9.117	nq	98
90) Dibenzo(a,h)anthracene	16.92	278	69262	5.114	nq	98
91) Benzo(g,h,i)perylene	17.39	276	52937	3.947	nq	94

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

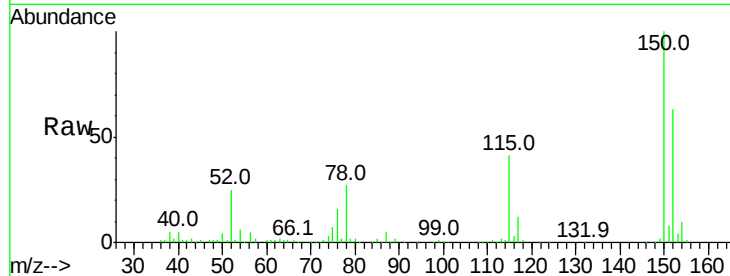


#1

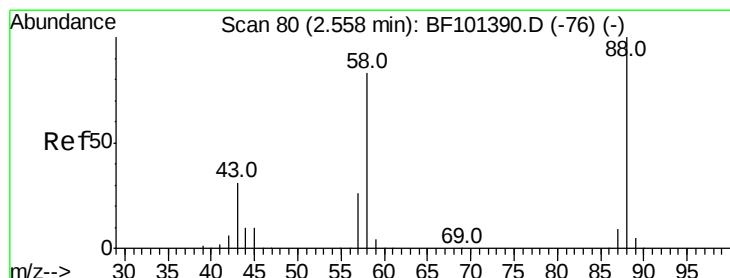
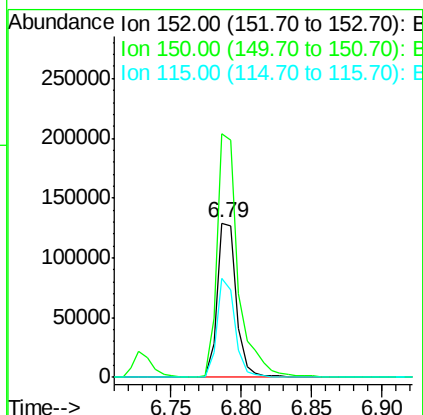
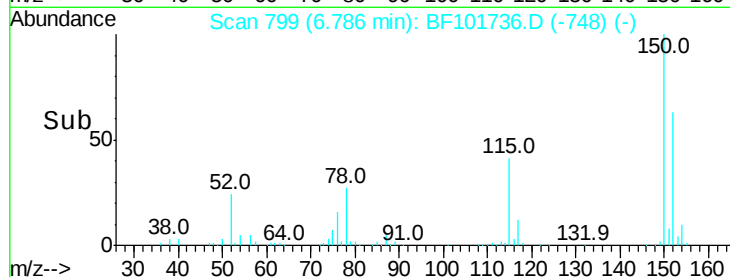
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF101736.D
 Acq: 27 Dec 2017 1:34

Instrument :
 BNA_F
 ClientSampleId :
 HALSTED-WWMS

Tot Ion:152 Resp: 121558
 Ion Ratio Lower Upper
 152 100
 150 157.7 124.6 186.8
 115 64.2 50.1 75.1



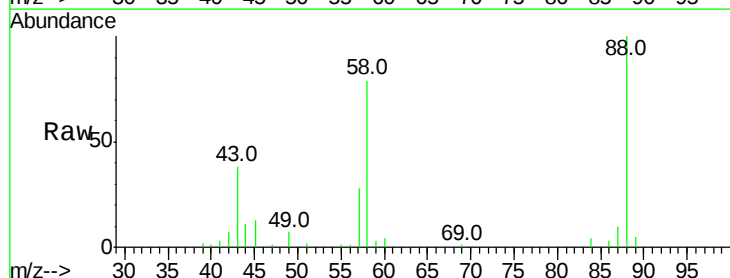
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



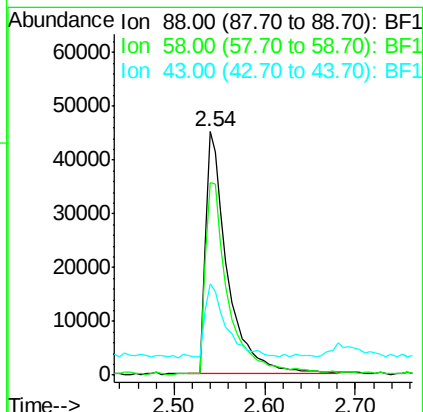
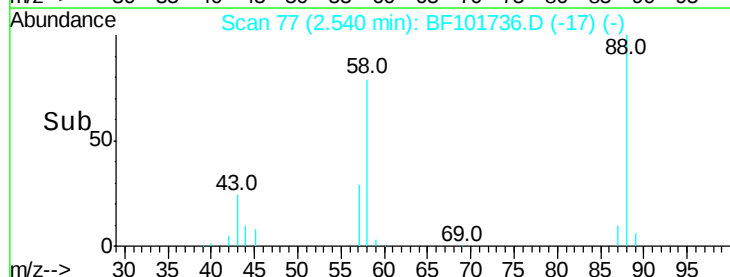
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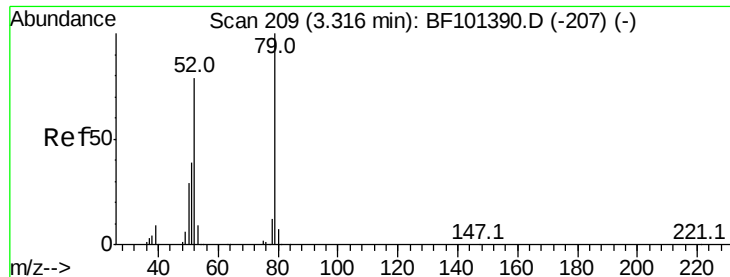
1,4-Dioxane
 Concen: 18.043 ng
 RT: 2.54 min Scan# 77
 Delta R.T. 0.05 min
 Lab File: BF101736.D
 Acq: 27 Dec 2017 1:34

Tgt Ion: 88 Resp: 75657
 Ion Ratio Lower Upper
 88 100
 58 86.3 62.6 93.8
 43 29.7 24.6 37.0



Abundance Ion 88.00 (87.70 to 88.70): BF1
 Ion 58.00 (57.70 to 58.70): BF1
 Ion 43.00 (42.70 to 43.70): BF1

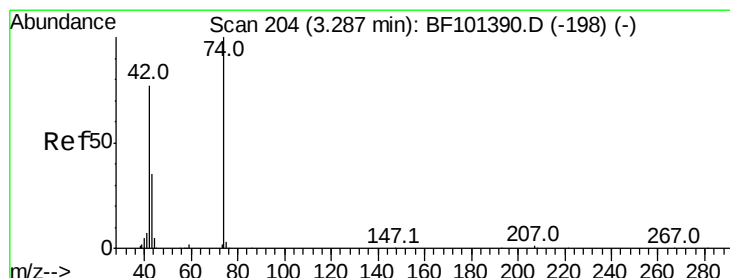
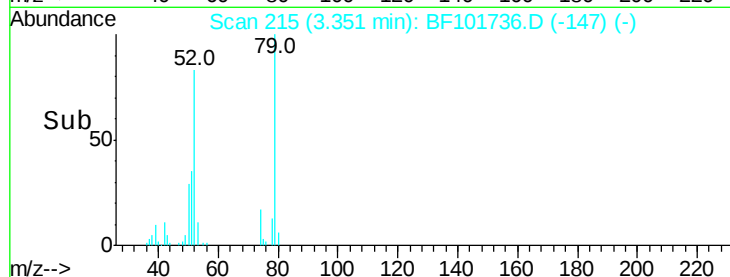
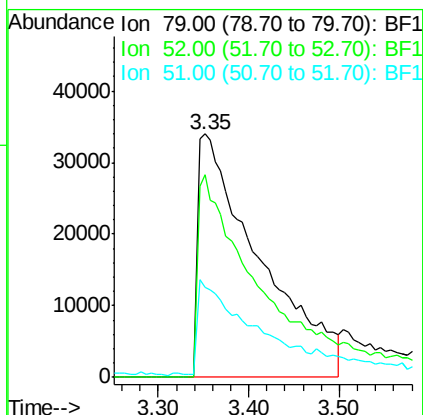
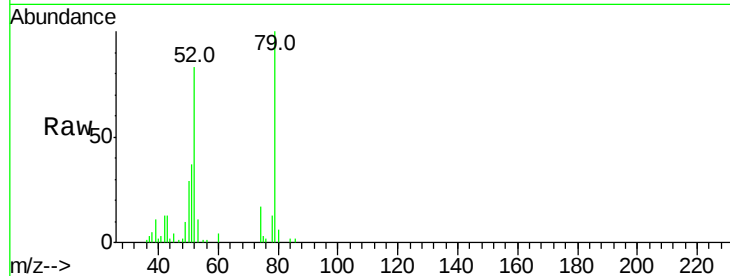




#3
 Pvridine
 Concen: 13.752 ng
 RT: 3.35 min Scan# 215
 Delta R.T. 0.10 min
 Lab File: BF101736.D
 Acq: 27 Dec 2017 1:34

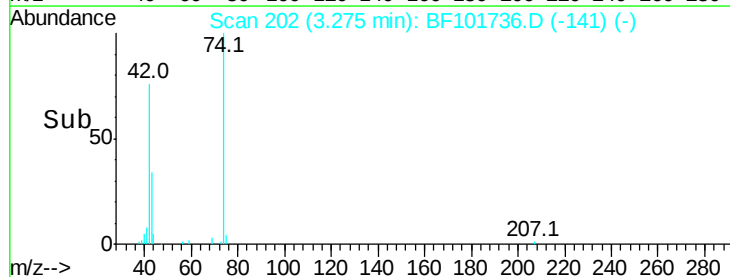
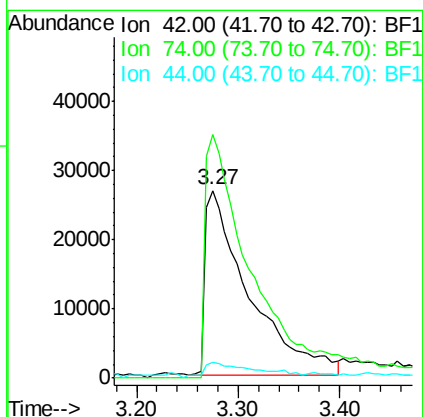
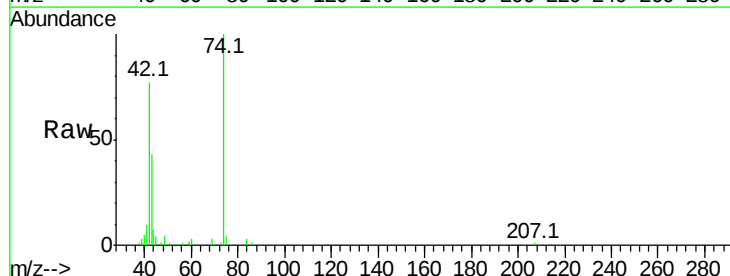
Instrument :
 BNA_F
 ClientSampleId :
 HALSTED-WWMS

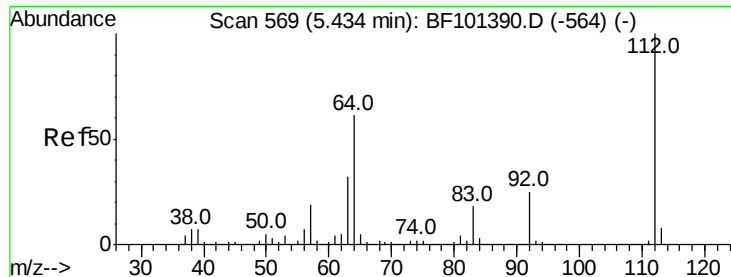
Tot Ion: 79 Resp: 160216
 Ion Ratio Lower Upper
 79 100
 52 83.0 59.8 89.6
 51 37.2 29.8 44.8



#4
 n-Nitrosodimethylamine
 Concen: 14.820 ng
 RT: 3.27 min Scan# 202
 Delta R.T. 0.06 min
 Lab File: BF101736.D
 Acq: 27 Dec 2017 1:34

Tgt Ion: 42 Resp: 79495
 Ion Ratio Lower Upper
 42 100
 74 129.6 104.9 157.3
 44 8.6 6.9 10.3





#5

2-Fluorophenol

Concen: 71.919 ng

RT: 5.42 min Scan# 566

Delta R.T. 0.01 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HALSTED-WWMS

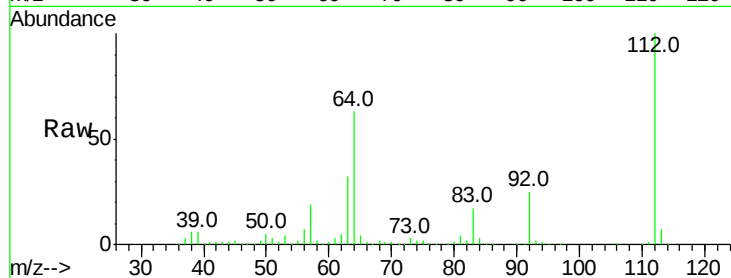
Tot Ion:112 Resp: 586900

Ion Ratio Lower Upper

112 100

64 62.6 47.9 71.9

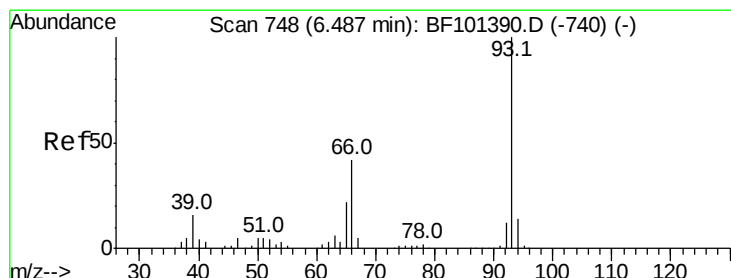
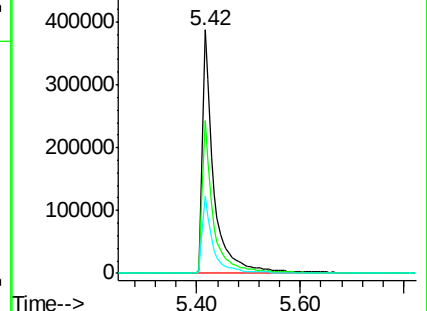
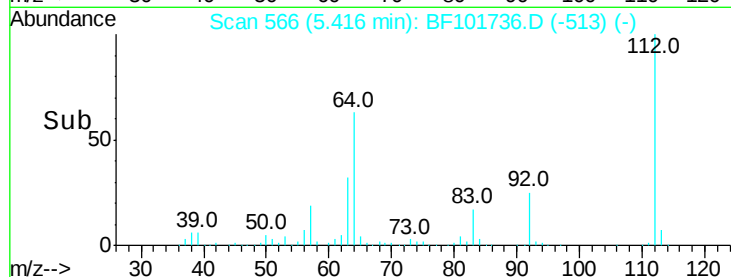
63 31.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 12.247 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

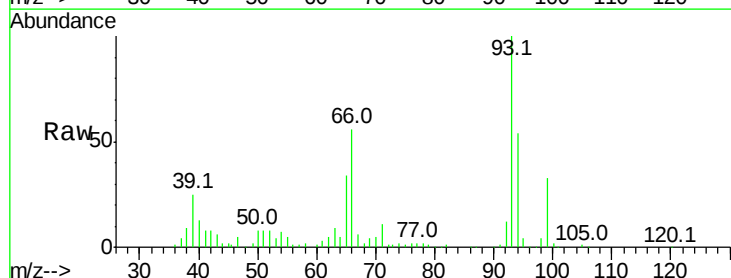
Tgt Ion: 93 Resp: 172847

Ion Ratio Lower Upper

93 100

66 56.5 32.2 48.2#

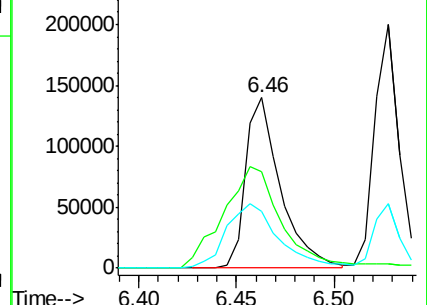
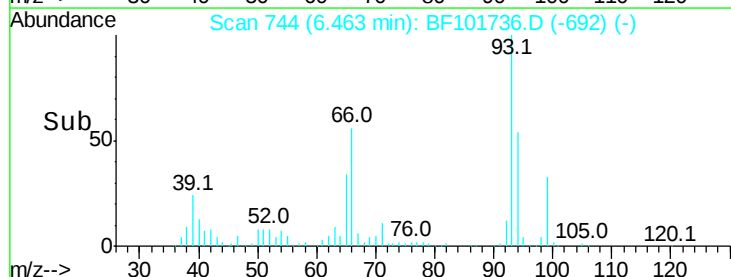
65 33.7 16.4 24.6#

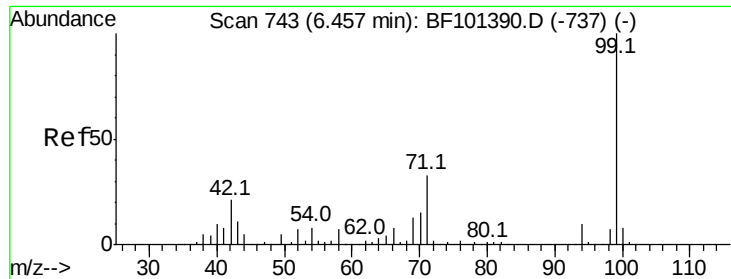


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 64.410 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HALSTED-WWMS

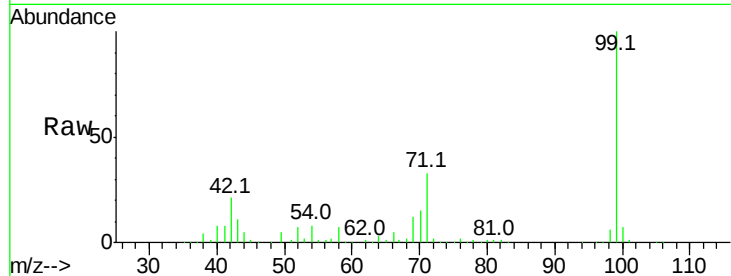
Tot Ion: 99 Resp: 654160

Ion Ratio Lower Upper

99 100

42 21.0 14.5 21.7

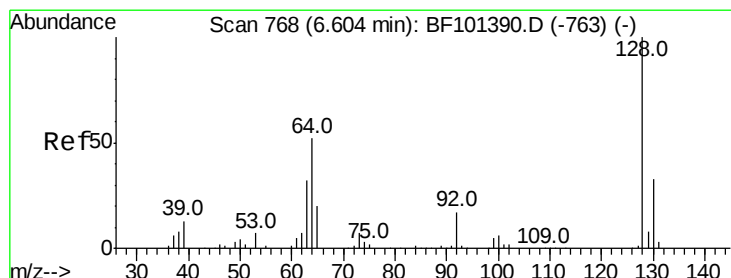
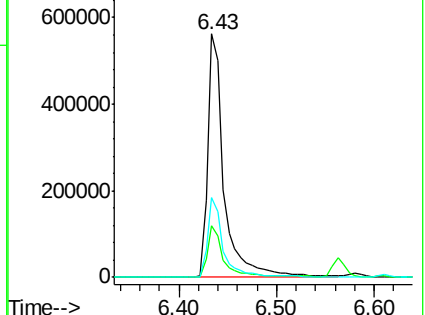
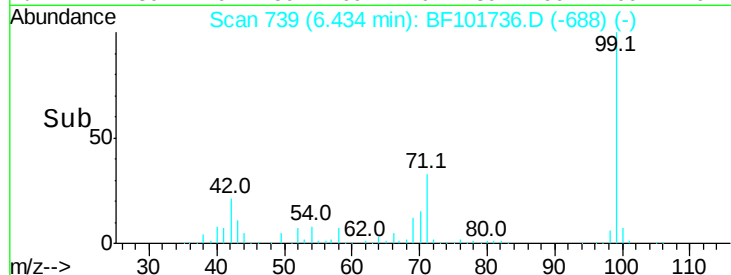
71 32.7 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 19.332 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.00 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

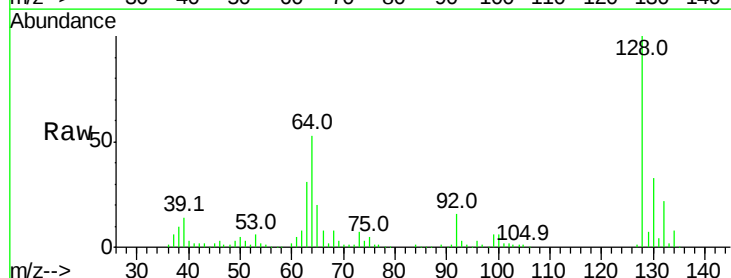
Tgt Ion:128 Resp: 165955

Ion Ratio Lower Upper

128 100

130 33.0 13.0 53.0

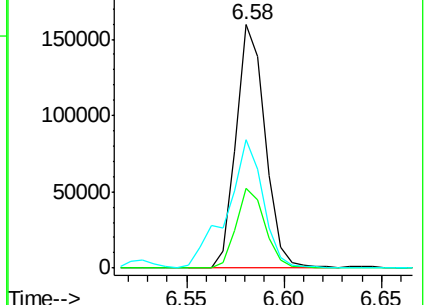
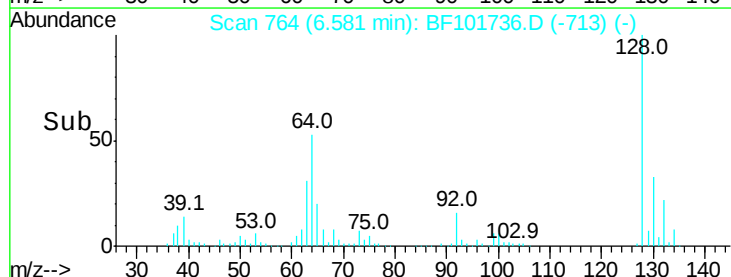
64 52.9 29.4 69.4

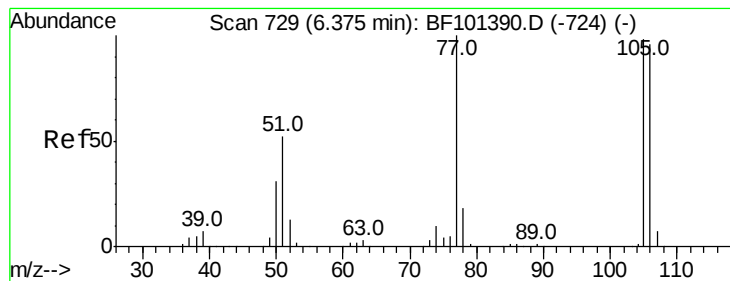


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 13.981 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.01 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HALSTED-WWMS

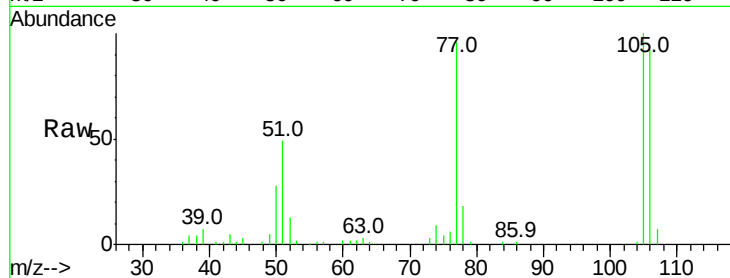
Tot Ion: 77 Resp: 104866

Ion Ratio Lower Upper

77 100

105 104.5 81.1 121.1

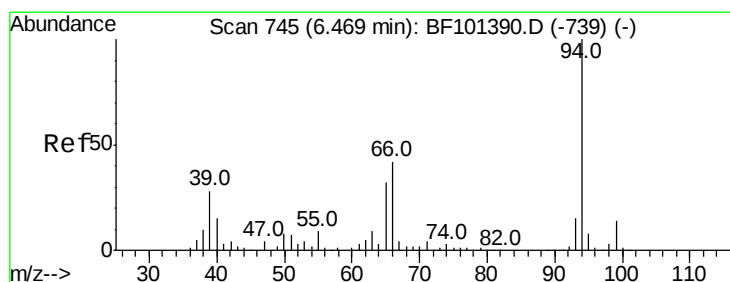
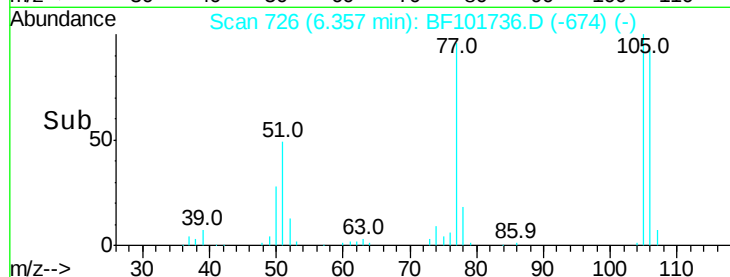
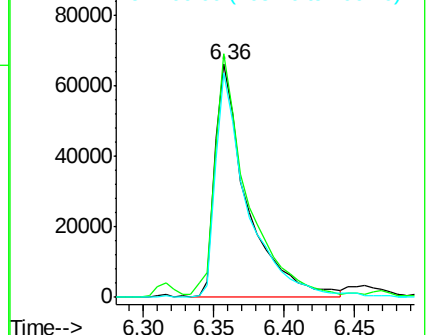
106 96.3 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 19.764 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

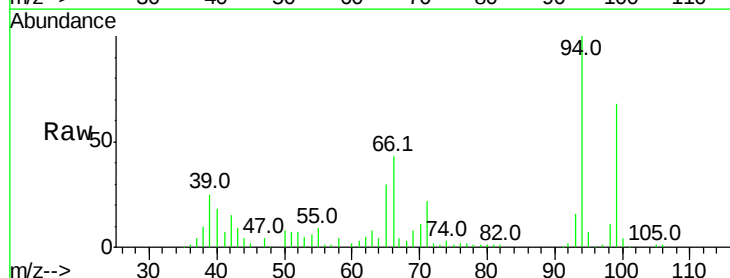
Tgt Ion: 94 Resp: 228780

Ion Ratio Lower Upper

94 100

65 30.0 7.9 47.9

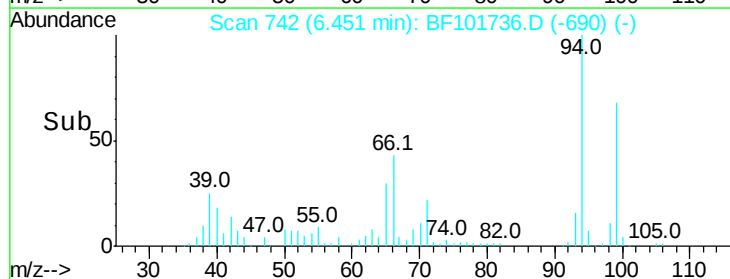
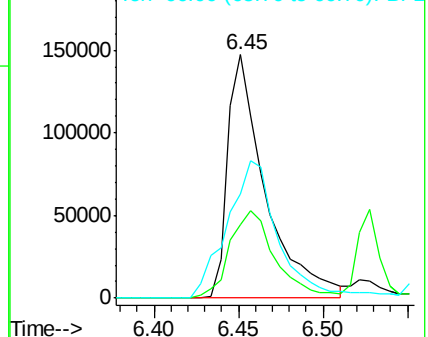
66 42.9 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



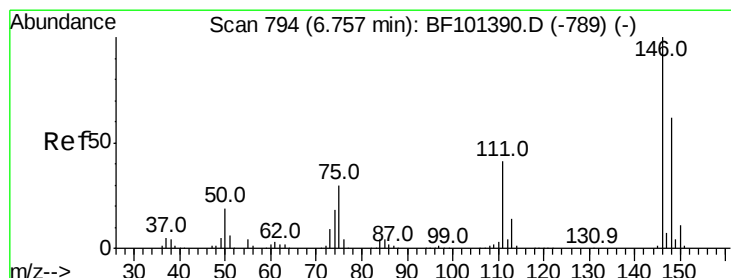
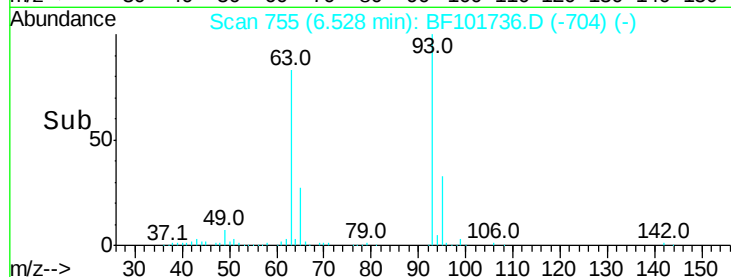
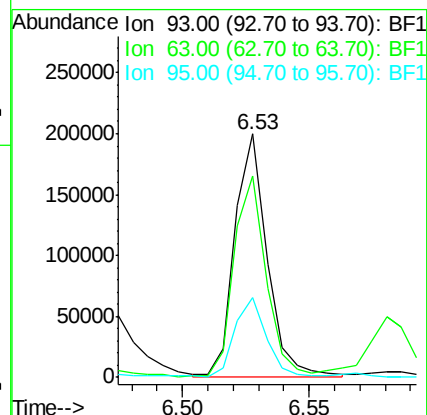
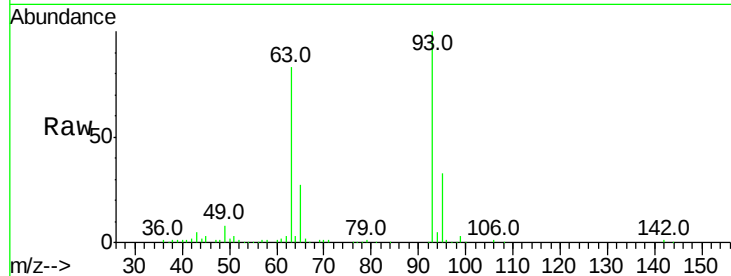


#11

bis(2-Chloroethyl)ether
Concen: 19.550 ng
RT: 6.53 min Scan# 755
Delta R.T. -0.00 min
Lab File: BF101736.D
Acq: 27 Dec 2017 1:34

Instrument :
BNA_F
ClientSampleId :
HALSTED-WWMS

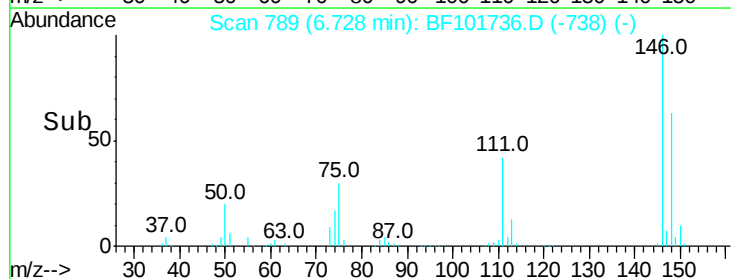
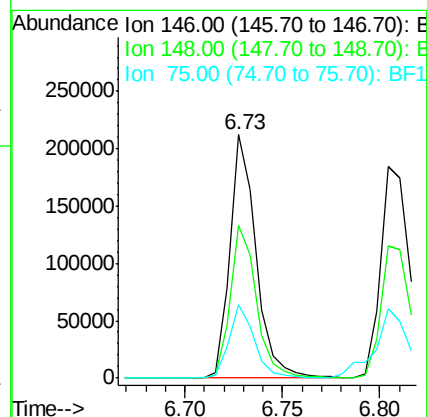
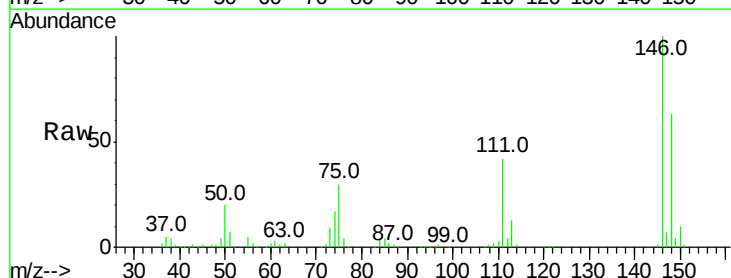
Tot Ion:	93	Resp:	177516
Ion	Ratio	Lower	Upper
93	100		
63	82.8	58.6	98.6
95	32.5	11.8	51.8

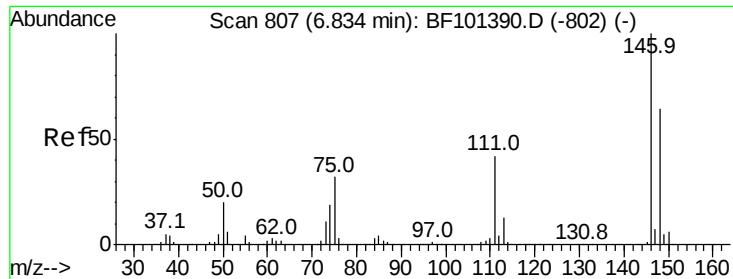


#12

1,3-Dichlorobenzene
Concen: 20.339 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF101736.D
Acq: 27 Dec 2017 1:34

Tgt Ion:	146	Resp:	197057
Ion	Ratio	Lower	Upper
146	100		
148	62.7	51.8	77.8
75	30.3	24.2	36.4

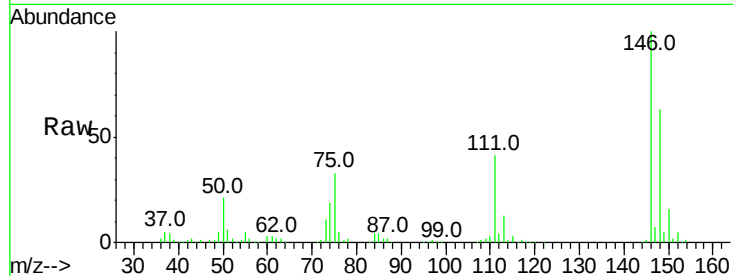




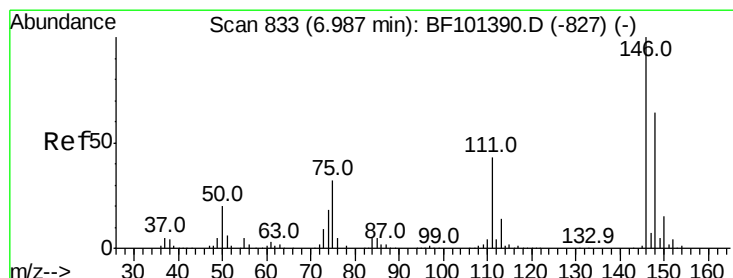
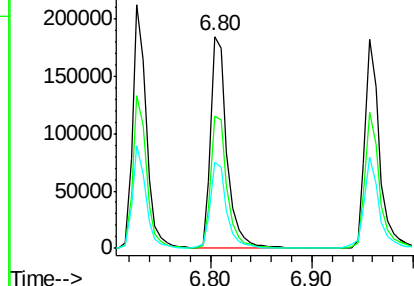
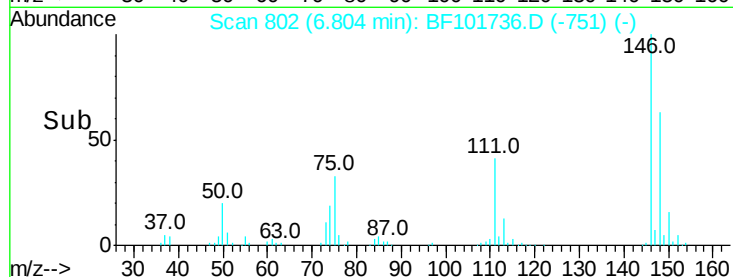
#13
 1,4-Dichlorobenzene
 Concen: 20.914 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: BF101736.D
 Acq: 27 Dec 2017 1:34

Instrument :
 BNA_F
 ClientSampleId :
 HALSTED-WWMS

Tot Ion:146 Resp: 206920
 Ion Ratio Lower Upper
 146 100
 148 62.5 50.8 76.2
 111 40.7 34.2 51.2

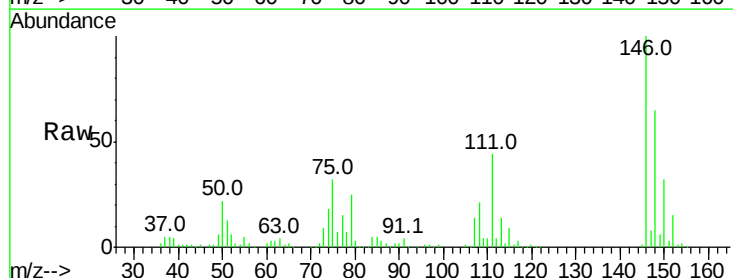


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

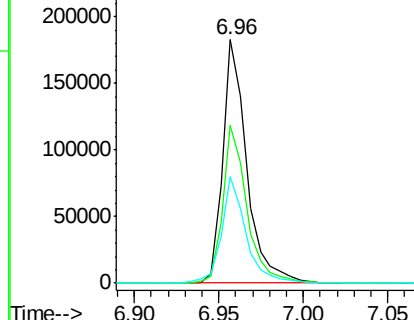
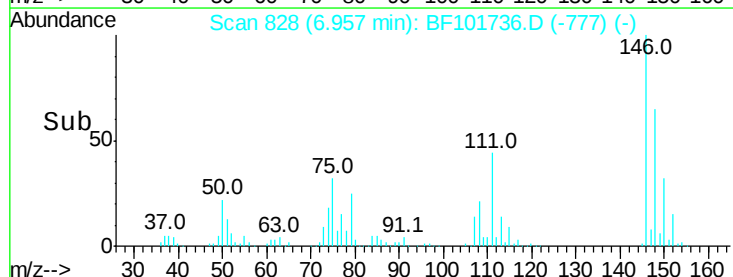


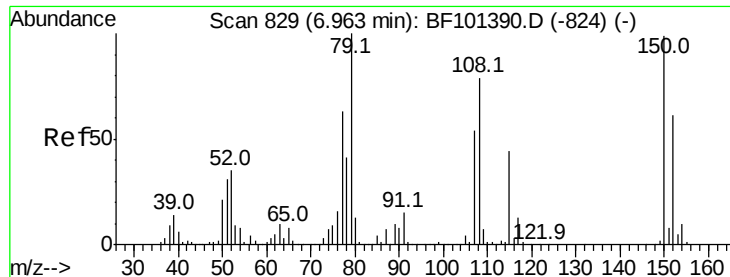
#14
 1,2-Dichlorobenzene
 Concen: 20.452 ng
 RT: 6.96 min Scan# 828
 Delta R.T. -0.00 min
 Lab File: BF101736.D
 Acq: 27 Dec 2017 1:34

Tgt Ion:146 Resp: 182140
 Ion Ratio Lower Upper
 146 100
 148 64.9 50.6 75.8
 111 43.7 36.0 54.0



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

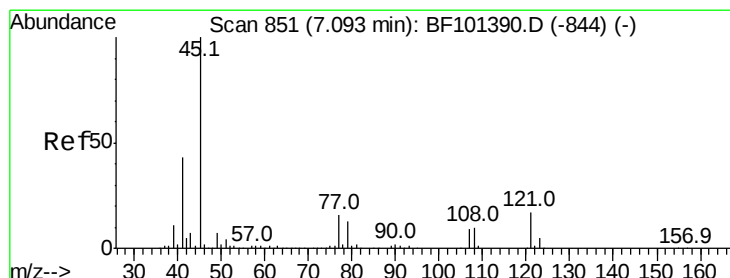
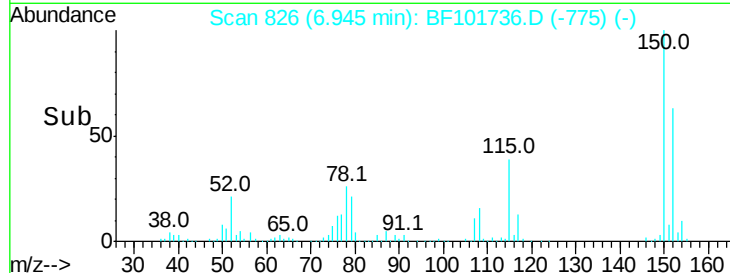
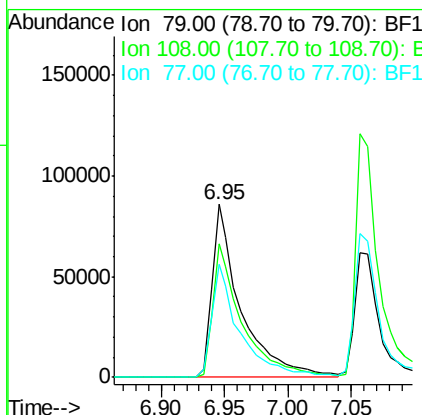
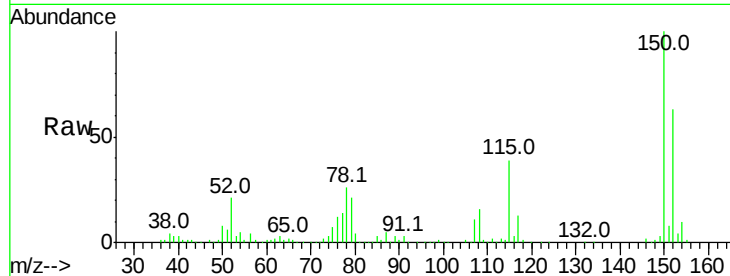




#15
Benzyl Alcohol
Concen: 19.497 ng
RT: 6.95 min Scan# 826
Delta R.T. -0.00 min
Lab File: BF101736.D
Acq: 27 Dec 2017 1:34

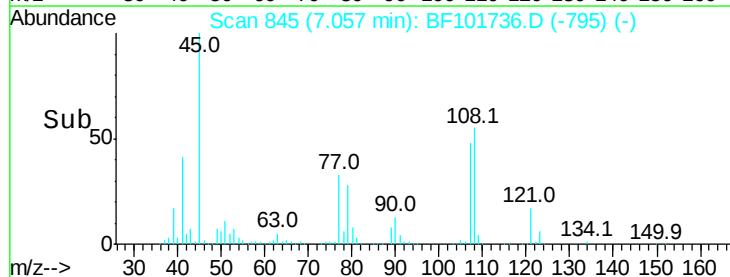
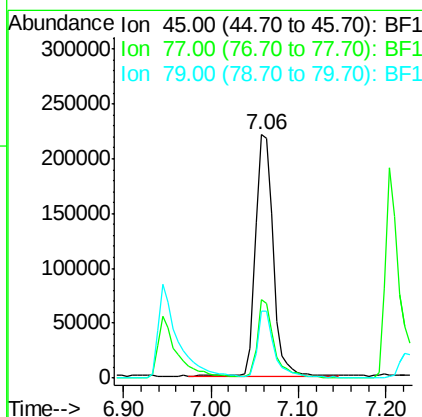
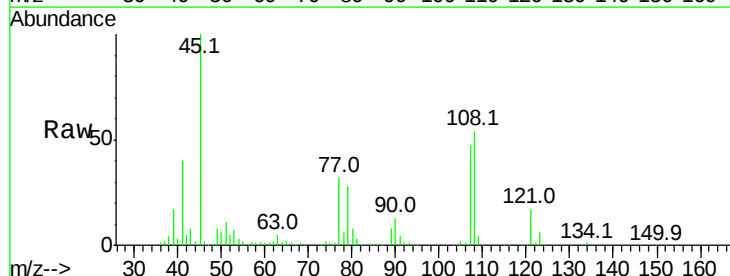
Instrument :
BNA_F
ClientSampleId :
HALSTED-WWMS

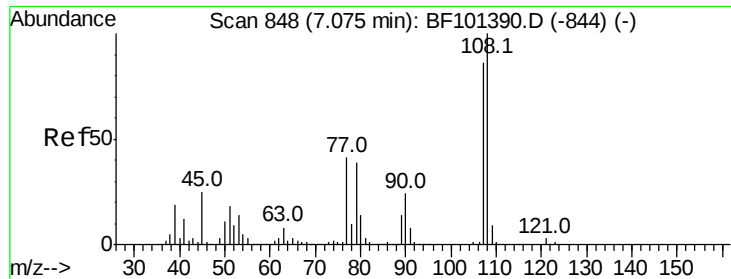
Tot Ion: 79 Resp: 136290
Ion Ratio Lower Upper
79 100
108 77.2 65.1 97.7
77 65.8 50.6 75.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.688 ng
RT: 7.06 min Scan# 845
Delta R.T. -0.01 min
Lab File: BF101736.D
Acq: 27 Dec 2017 1:34

Tgt Ion: 45 Resp: 301382
Ion Ratio Lower Upper
45 100
77 32.3 0.0 32.9
79 27.7 0.0 29.6





#17

2-Methylphenol

Concen: 16.808 ng

RT: 7.06 min Scan# 845

Delta R.T. 0.01 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HALSTED-WWMS

Tot Ion:107 Resp: 132721

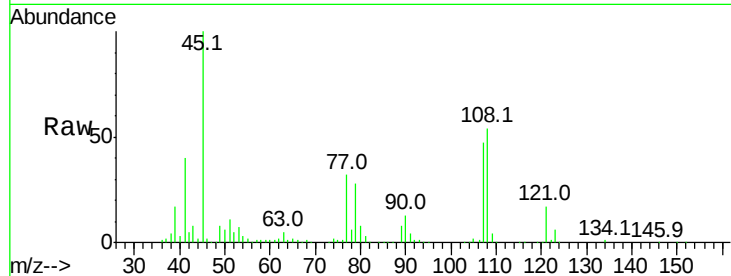
Ion Ratio Lower Upper

107 100

108 115.9 91.7 137.5

77 68.7 33.8 50.8#

79 59.0 33.8 50.8#

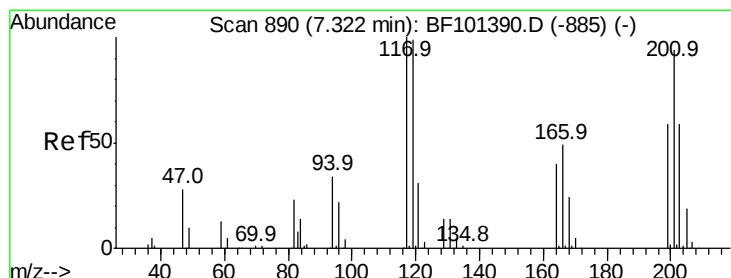
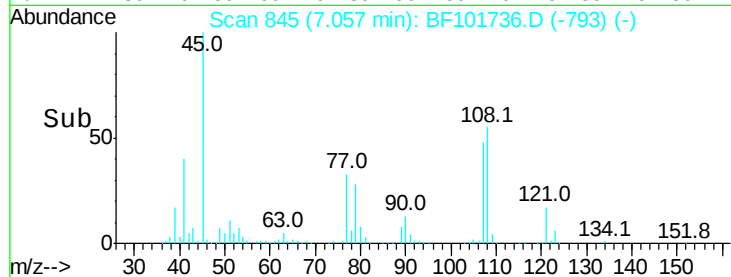
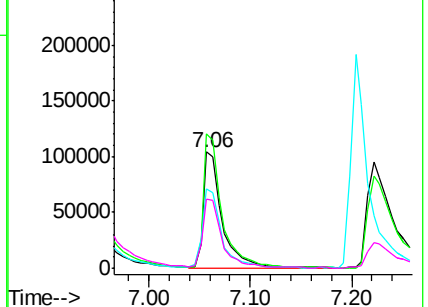


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 16.994 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.01 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

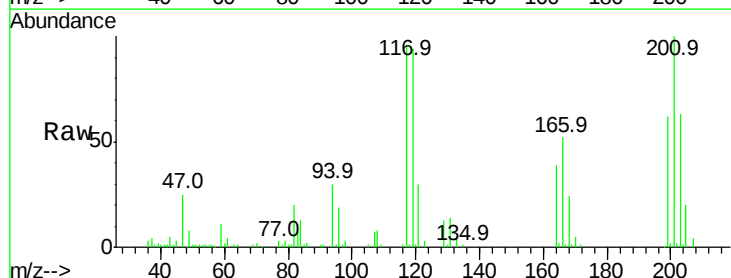
Tgt Ion:117 Resp: 58458

Ion Ratio Lower Upper

117 100

119 97.7 75.8 113.8

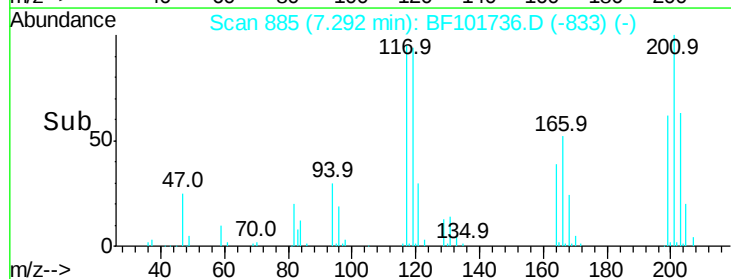
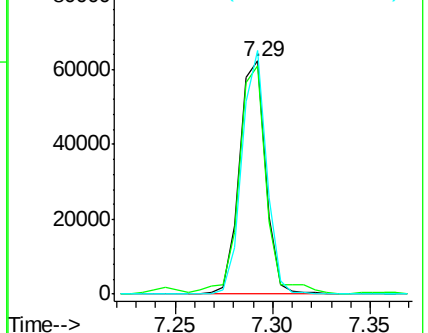
201 104.4 75.7 113.5

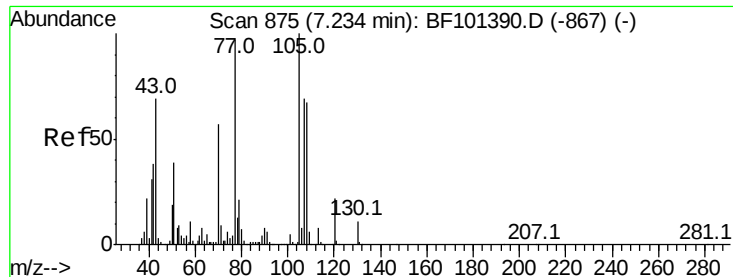


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

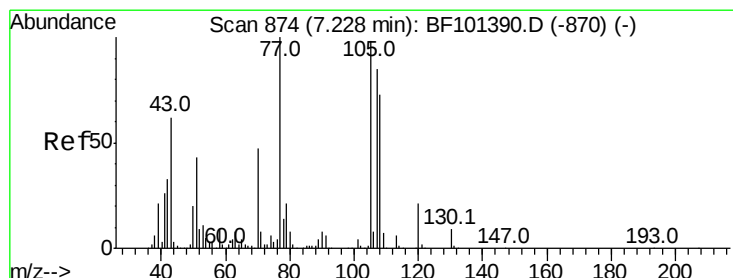
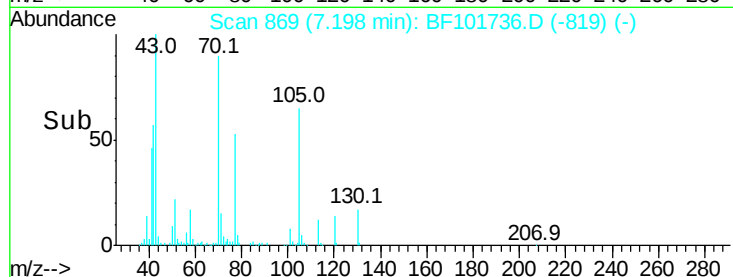
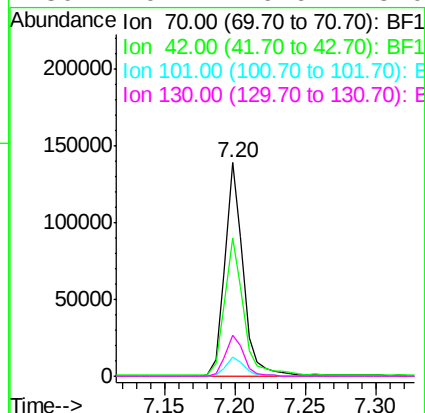
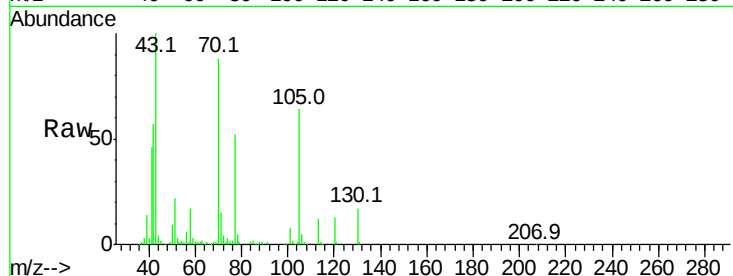




#19
n-Nitroso-di-n-propylamine
Concen: 18.939 ng
RT: 7.20 min Scan# 869
Delta R.T. -0.01 min
Lab File: BF101736.D
Acq: 27 Dec 2017 1:34

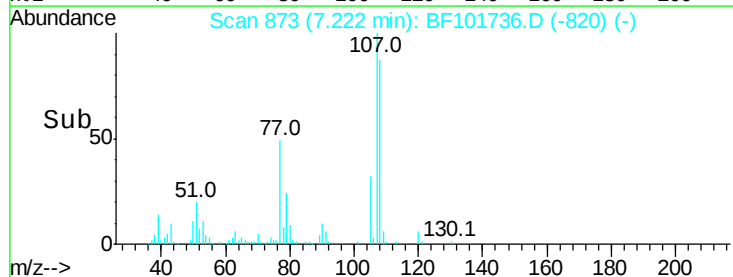
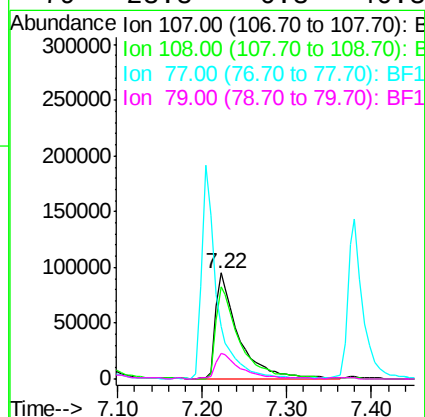
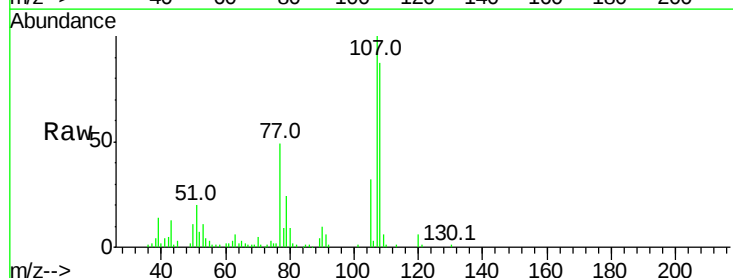
Instrument :
BNA_F
ClientSampleId :
HALSTED-WWMS

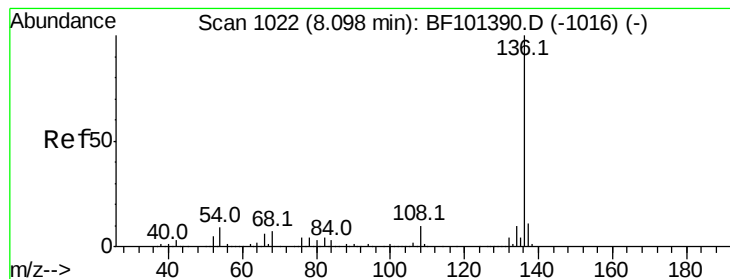
Tot Ion: 70 Resp: 126318
Ion Ratio Lower Upper
70 100
42 64.4 47.5 71.3
101 8.8 7.4 11.2
130 19.1 16.6 25.0



#20
3+4-Methylphenols
Concen: 21.576 ng
RT: 7.22 min Scan# 873
Delta R.T. 0.01 min
Lab File: BF101736.D
Acq: 27 Dec 2017 1:34

Tgt Ion:107 Resp: 180540
Ion Ratio Lower Upper
107 100
108 86.6 68.2 108.2
77 49.4 26.7 66.7
79 23.8 6.3 46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.00 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HALSTED-WWMS

Tot Ion:136 Resp: 448497

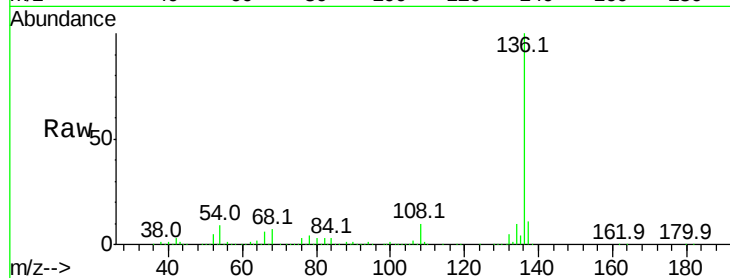
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 9.3 6.6 9.8

68 6.9 5.0 7.4

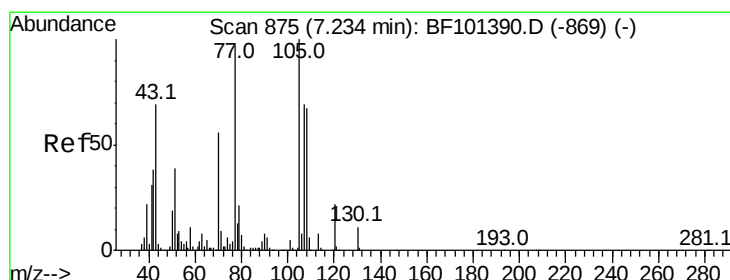
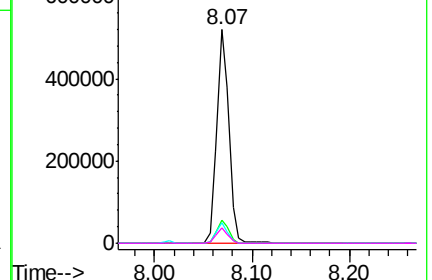
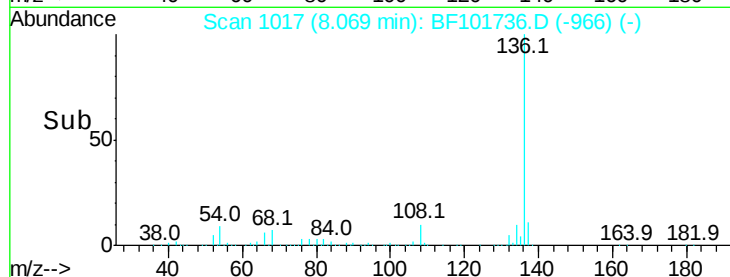


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 24.962 ng

RT: 7.20 min Scan# 870

Delta R.T. -0.01 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

Tgt Ion:105 Resp: 255448

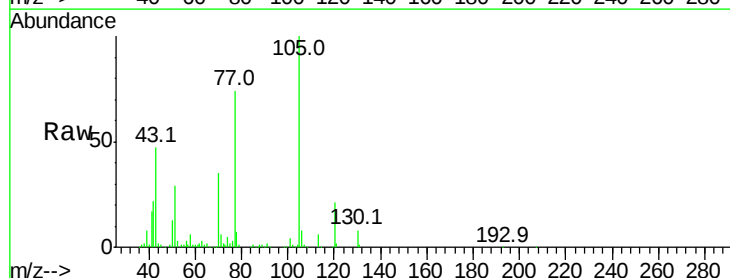
Ion Ratio Lower Upper

105 100

71 5.7 4.4 6.6

51 29.0 22.3 33.5

120 21.0 16.9 25.3

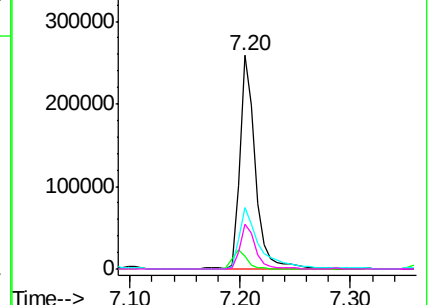
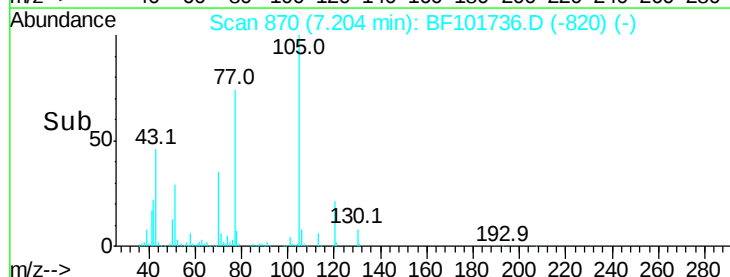


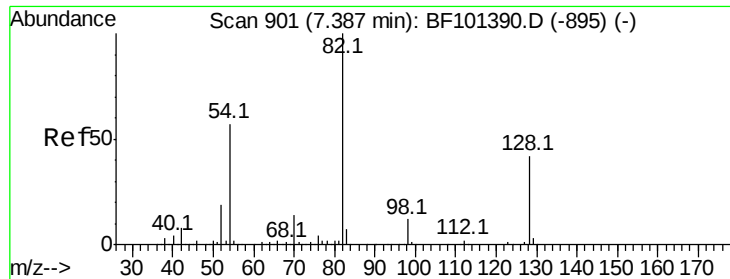
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

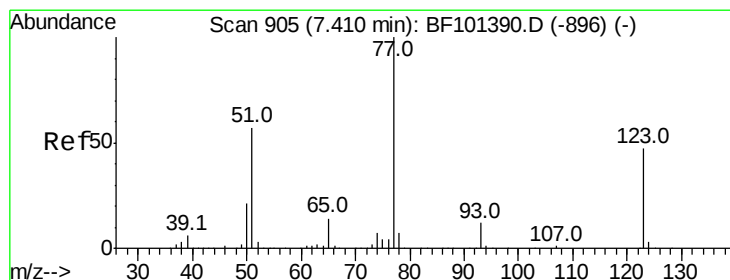
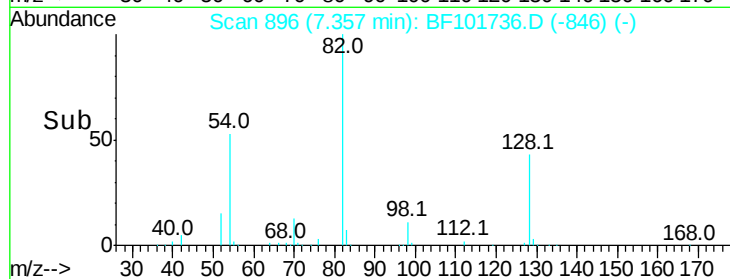
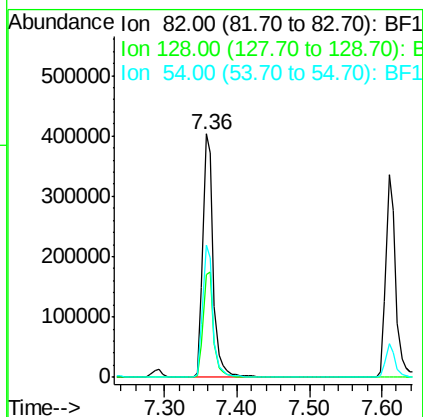
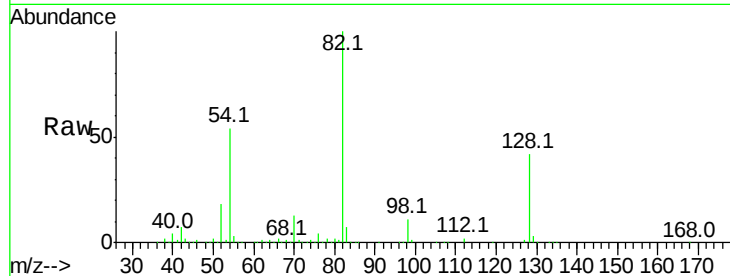




#23
Nitrobenzene-d5
Concen: 50.519 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101736.D
Acq: 27 Dec 2017 1:34

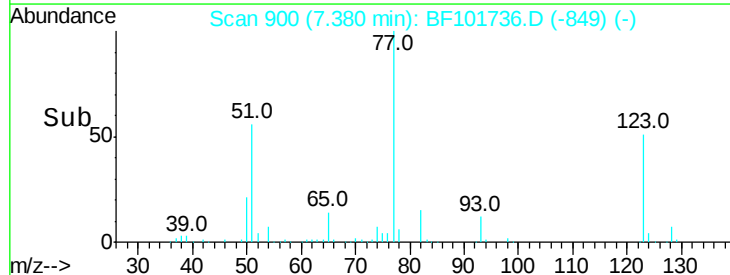
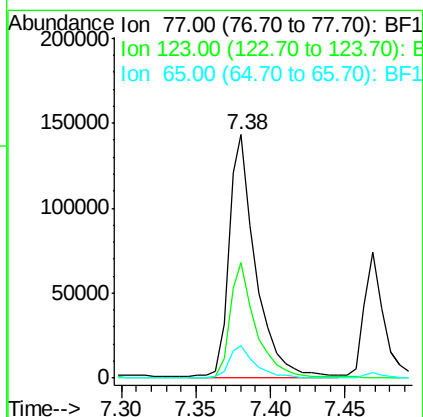
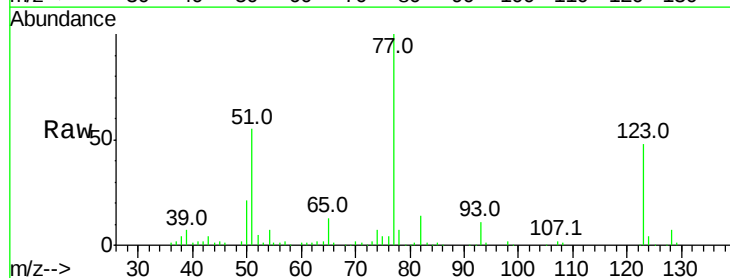
Instrument :
BNA_F
ClientSampleId :
HALSTED-WWMS

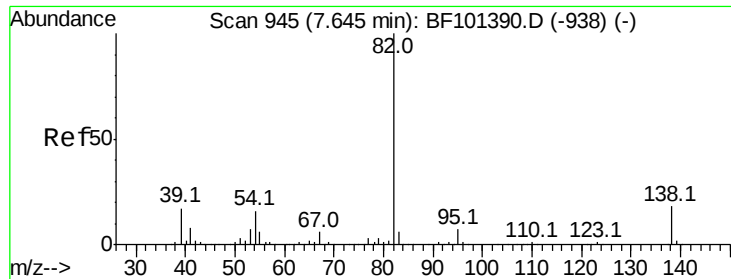
Tot Ion: 82 Resp: 407031
Ion Ratio Lower Upper
82 100
128 42.5 36.1 54.1
54 54.1 41.4 62.2



#24
Nitrobenzene
Concen: 20.008 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.00 min
Lab File: BF101736.D
Acq: 27 Dec 2017 1:34

Tgt Ion: 77 Resp: 178410
Ion Ratio Lower Upper
77 100
123 47.7 37.9 56.9
65 13.4 11.0 16.4





#25

Isophorone

Concen: 20.101 ng

RT: 7.61 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HALSTED-WWMS

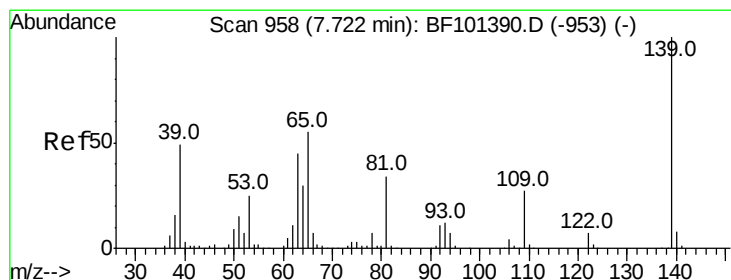
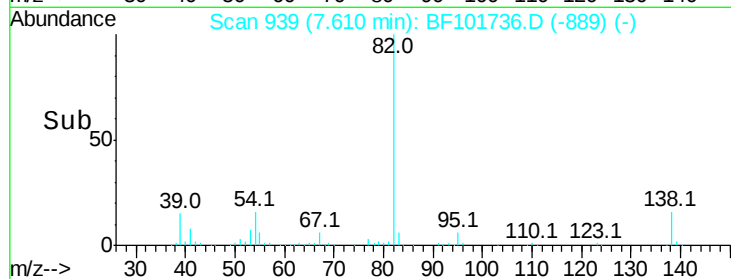
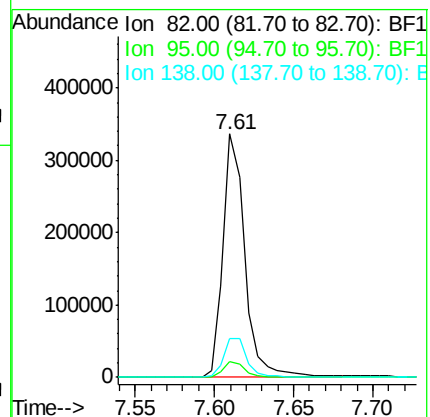
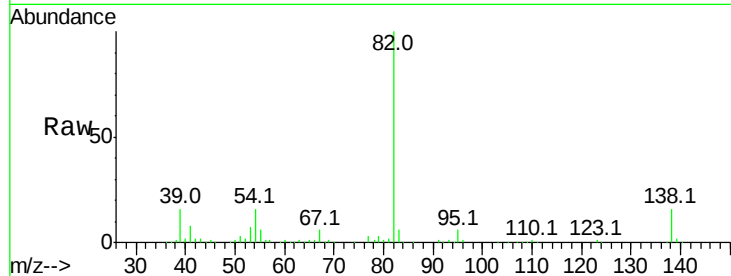
Tot Ion: 82 Resp: 324893

Ion Ratio Lower Upper

82 100

95 6.3 5.2 7.8

138 16.1 14.9 22.3



#26

2-Nitrophenol

Concen: 17.059 ng

RT: 7.70 min Scan# 954

Delta R.T. -0.00 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

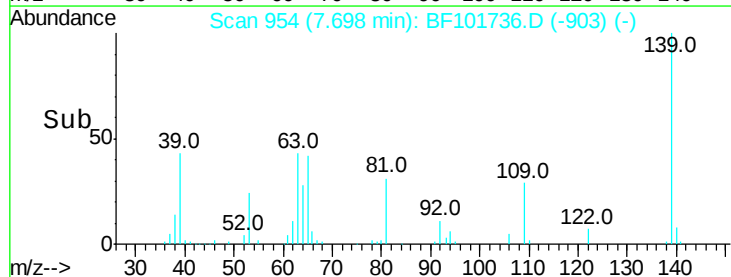
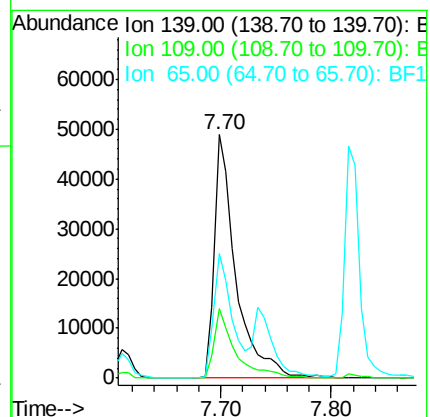
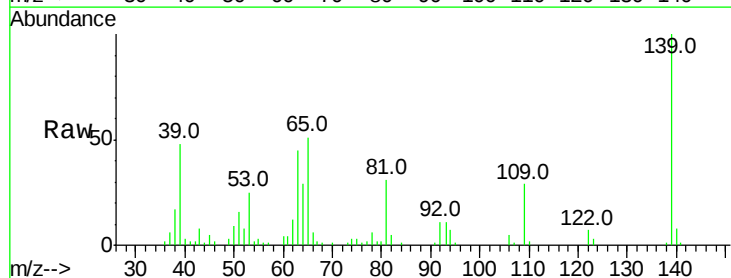
Tgt Ion: 139 Resp: 65350

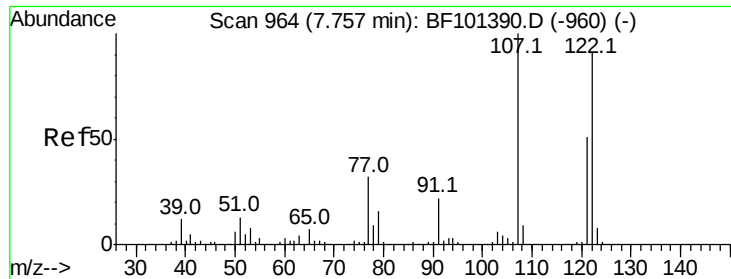
Ion Ratio Lower Upper

139 100

109 28.8 22.7 34.1

65 51.0 40.5 60.7

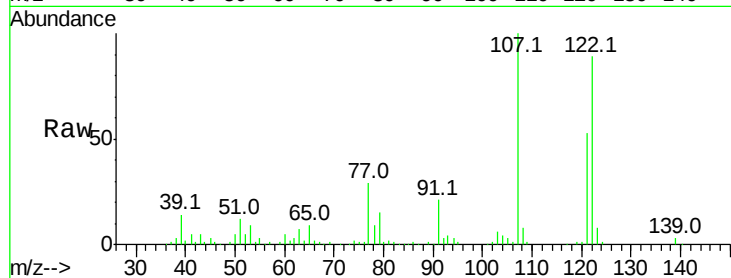




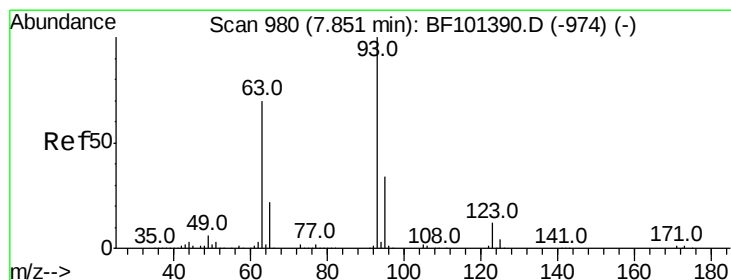
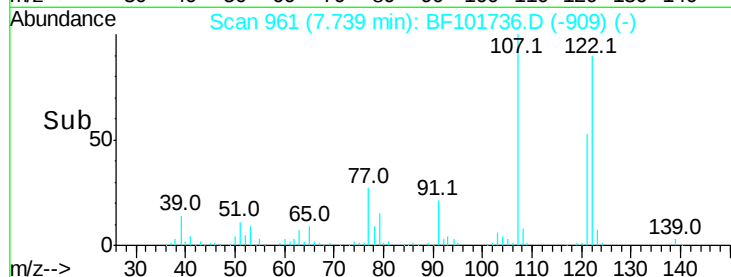
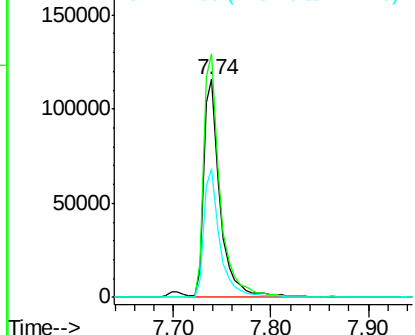
#27
 2,4-Dimethylphenol
 Concen: 20.641 ng
 RT: 7.74 min Scan# 961
 Delta R.T. 0.01 min
 Lab File: BF101736.D
 Acq: 27 Dec 2017 1:34

Instrument :
 BNA_F
 ClientSampleId :
 HALSTED-WWMS

Tot Ion:122 Resp: 134333
 Ion Ratio Lower Upper
 122 100
 107 111.8 91.2 136.8
 121 59.2 47.2 70.8

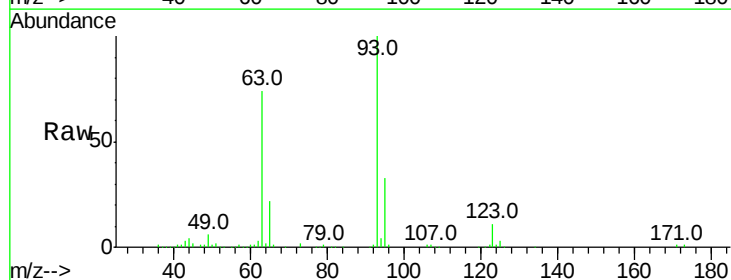


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

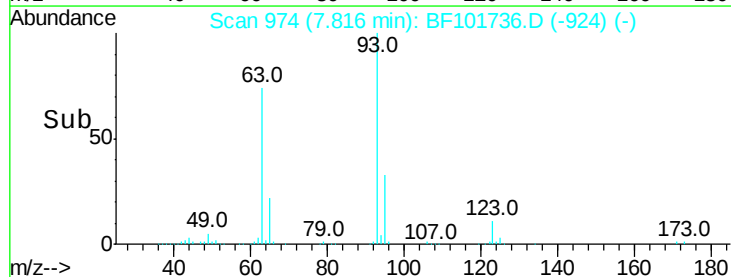
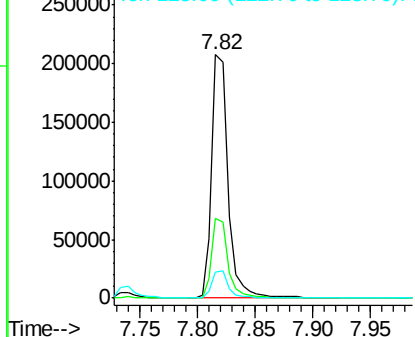


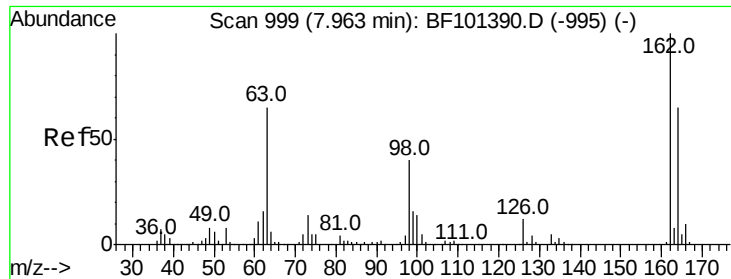
#28
 bis(2-Chloroethoxy)methane
 Concen: 20.131 ng
 RT: 7.82 min Scan# 974
 Delta R.T. -0.01 min
 Lab File: BF101736.D
 Acq: 27 Dec 2017 1:34

Tgt Ion: 93 Resp: 206681
 Ion Ratio Lower Upper
 93 100
 95 32.6 26.3 39.5
 123 10.6 9.8 14.6



Abundance Ion 93.00 (92.70 to 93.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 123.00 (122.70 to 123.70): E

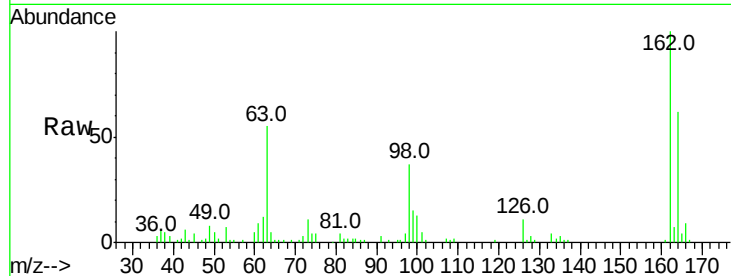




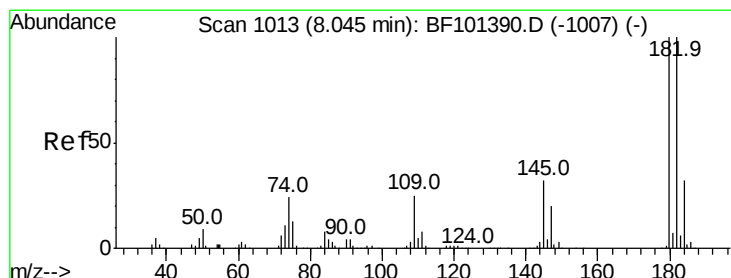
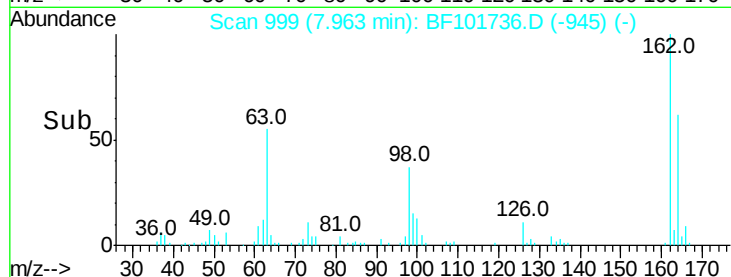
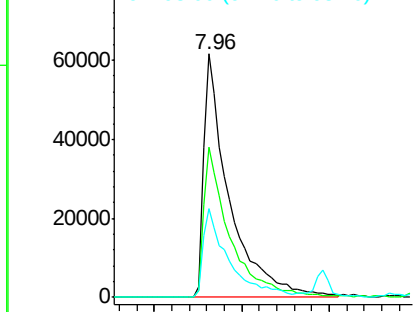
#29
 2,4-Dichlorophenol
 Concen: 19.385 ng
 RT: 7.96 min Scan# 999
 Delta R.T. 0.02 min
 Lab File: BF101736.D
 Acq: 27 Dec 2017 1:34

Instrument :
 BNA_F
 ClientSampleId :
 HALSTED-WWMS

Tot Ion	Ratio	Lower	Upper
162	100		
164	61.7	42.7	82.7
98	36.5	18.1	58.1

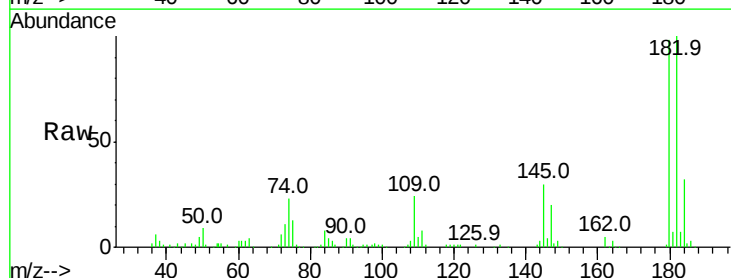


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

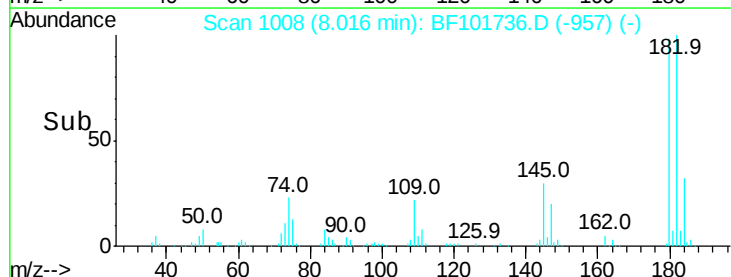
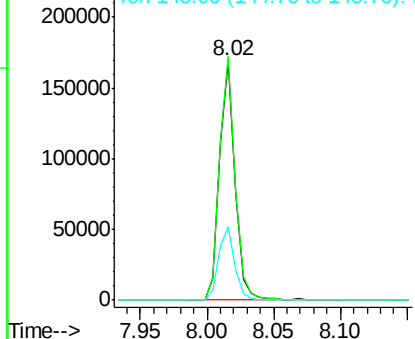


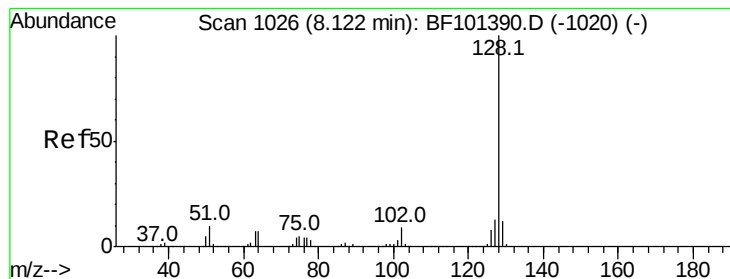
#30
 1,2,4-Trichlorobenzene
 Concen: 20.778 ng
 RT: 8.02 min Scan# 1008
 Delta R.T. -0.00 min
 Lab File: BF101736.D
 Acq: 27 Dec 2017 1:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.0	76.8	115.2
145	30.8	26.5	39.7



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: 21.258 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HALSTED-WWMS

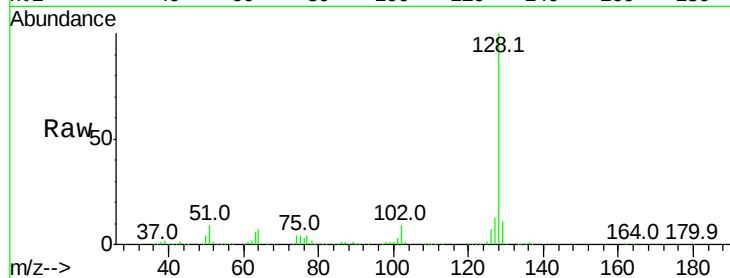
Tot Ion:128 Resp: 479990

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

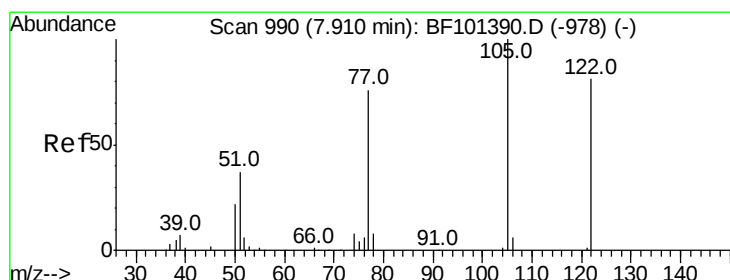
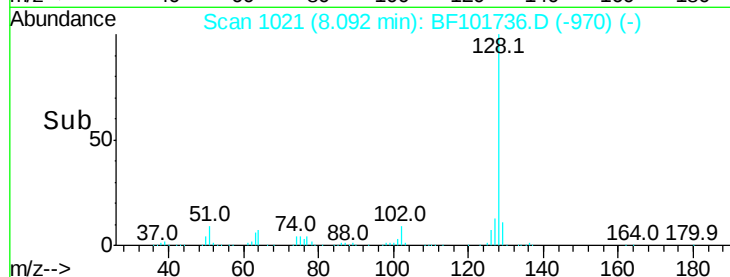
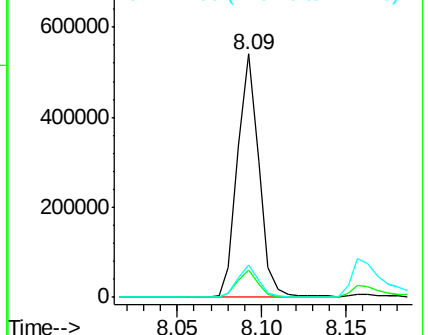
127 13.3 10.9 16.3



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: 33.513 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.16 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

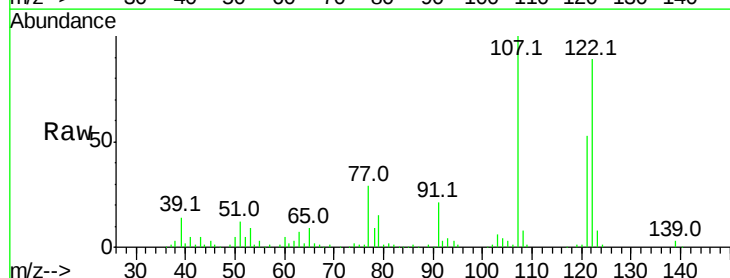
Tgt Ion:122 Resp: 134333

Ion Ratio Lower Upper

122 100

105 3.6 101.1 141.1#

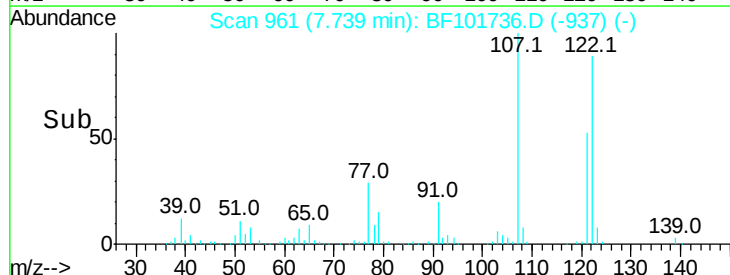
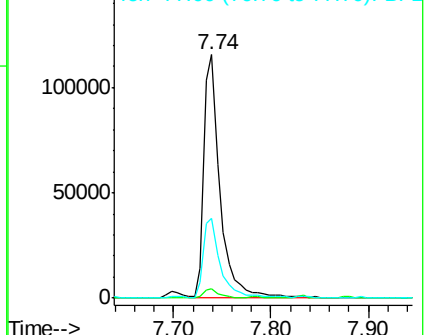
77 32.6 70.7 110.7#

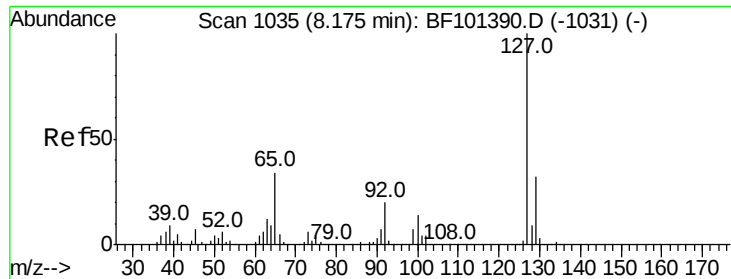


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

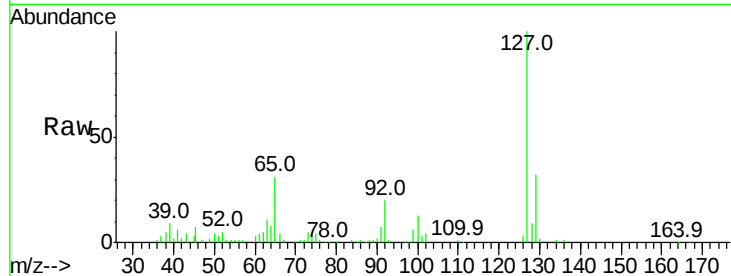




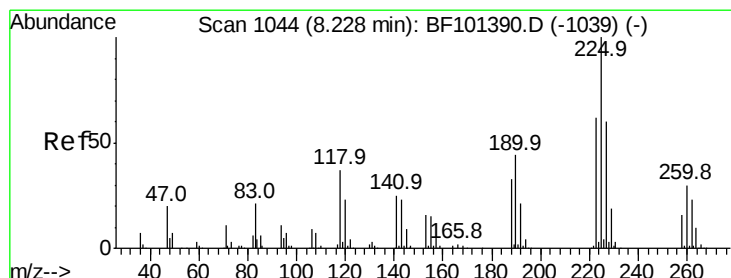
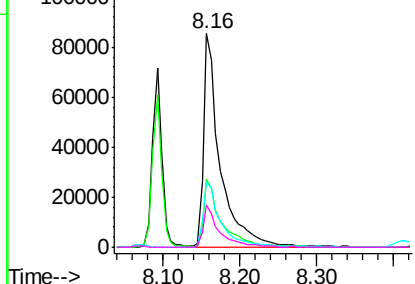
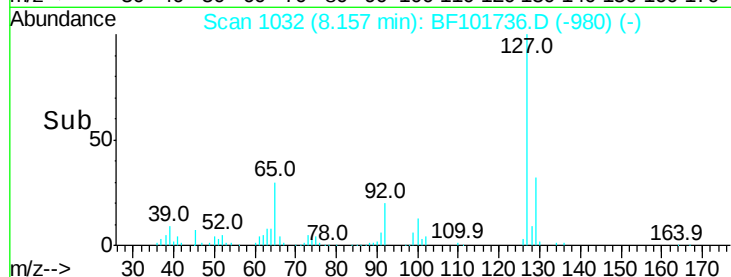
#33
4-Chloroaniline
Concen: 13.173 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.01 min
Lab File: BF101736.D
Acq: 27 Dec 2017 1:34

Instrument :
BNA_F
ClientSampleId :
HALSTED-WWMS

Tot Ion:127	Resp:	129271
Ion Ratio	Lower	Upper
127	100	
129	32.1	25.9 38.9
65	30.8	25.0 37.4
92	19.9	15.2 22.8

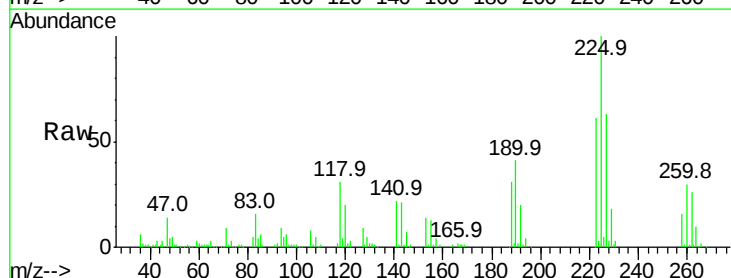


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

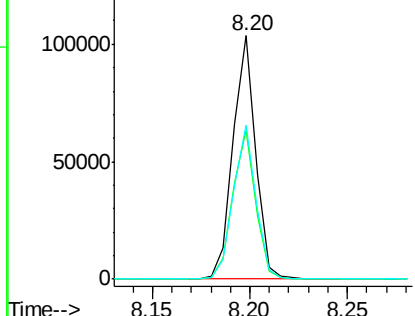
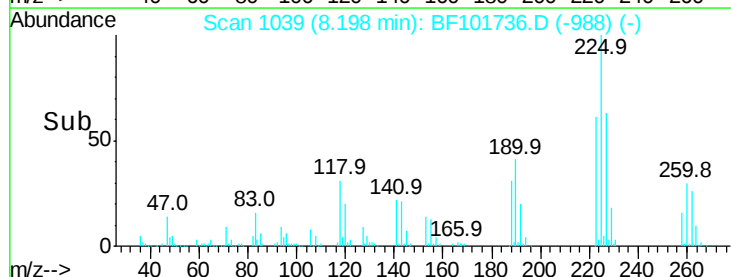


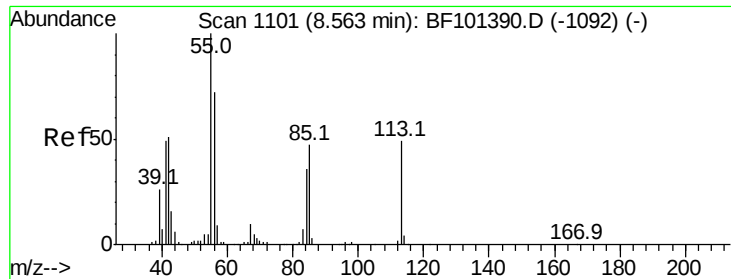
#34
Hexachlorobutadiene
Concen: 21.163 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BF101736.D
Acq: 27 Dec 2017 1:34

Tgt Ion:225	Resp:	83053
Ion Ratio	Lower	Upper
225	100	
223	61.0	50.6 76.0
227	63.5	51.9 77.9



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 17.274 ng

RT: 8.51 min Scan# 1092

Delta R.T. -0.02 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HALSTED-WWMS

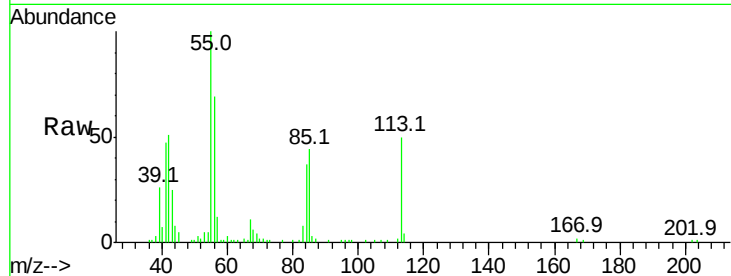
Tot Ion:113 Resp: 38566

Ion Ratio Lower Upper

113 100

55 201.6 163.3 203.3

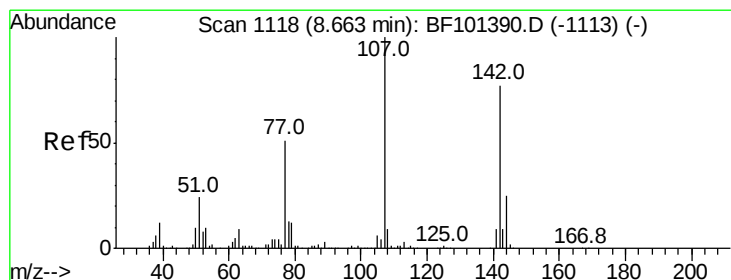
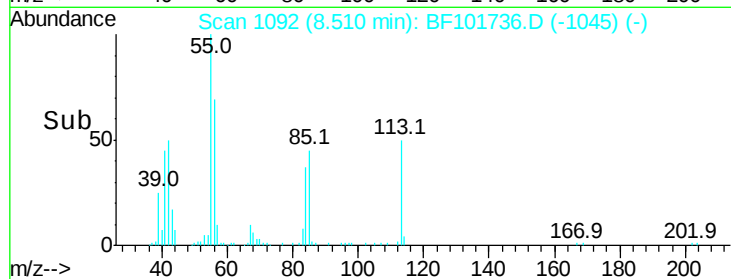
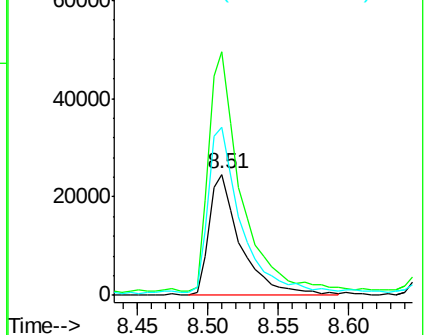
56 138.9 115.7 155.7



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 18.170 ng

RT: 8.65 min Scan# 1116

Delta R.T. 0.01 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

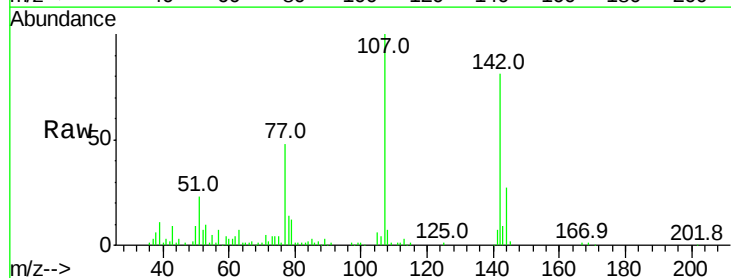
Tgt Ion:107 Resp: 128407

Ion Ratio Lower Upper

107 100

144 26.9 20.5 30.7

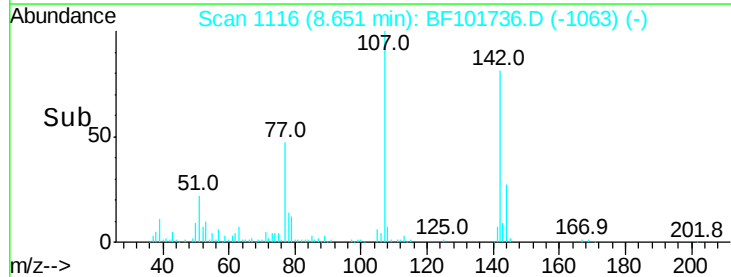
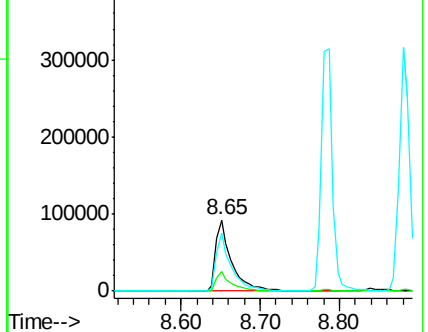
142 80.9 62.0 93.0

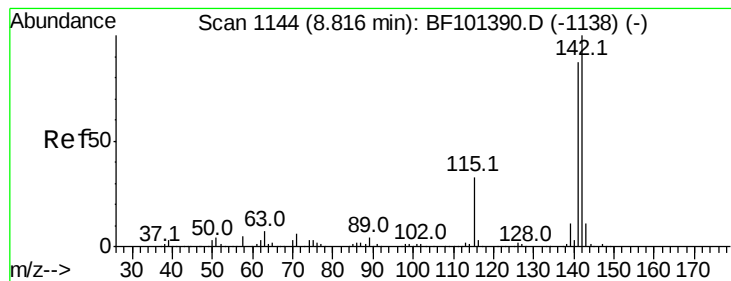


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 20.856 ng

RT: 8.79 min Scan# 1139

Delta R.T. 0.01 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HALSTED-WWMS

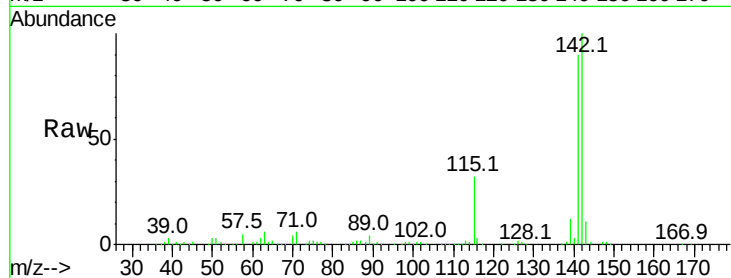
Tot Ion:142 Resp: 306806

Ion Ratio Lower Upper

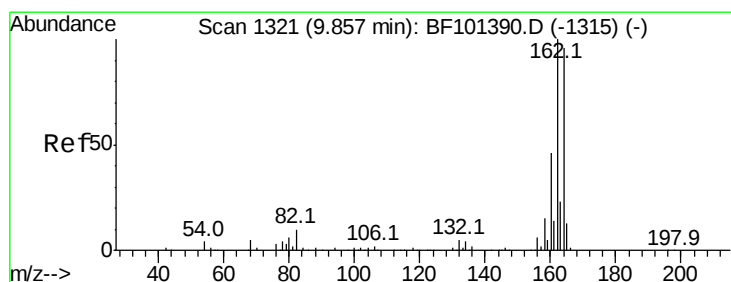
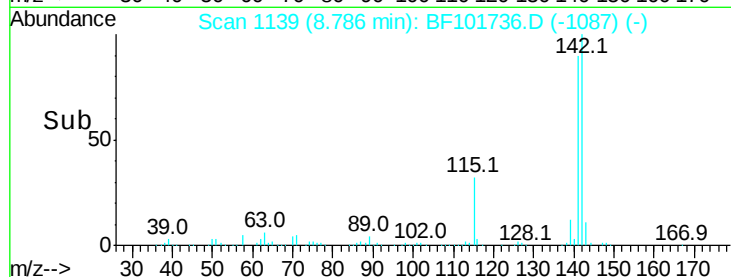
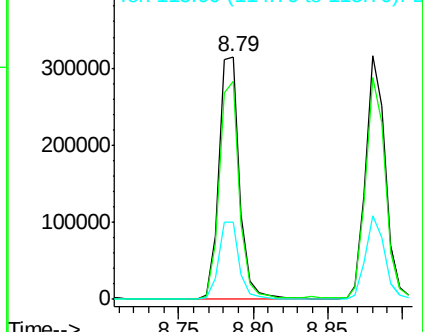
142 100

141 89.6 70.8 106.2

115 31.7 26.1 39.1



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: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.00 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

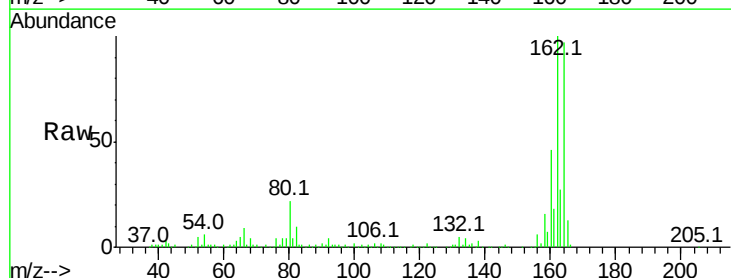
Tgt Ion:164 Resp: 182196

Ion Ratio Lower Upper

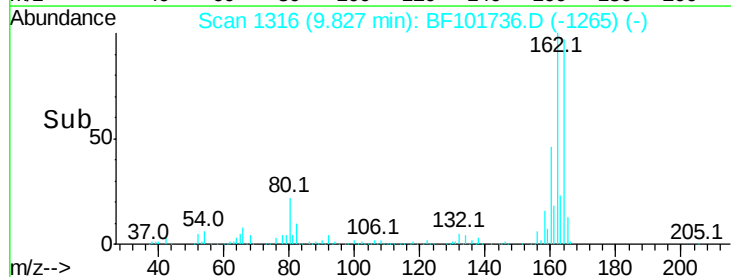
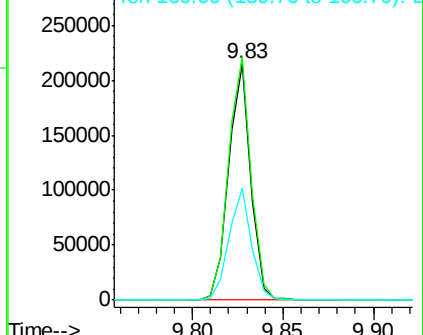
164 100

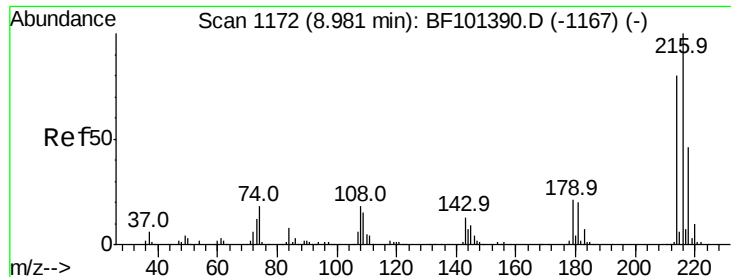
162 103.0 86.1 129.1

160 47.5 38.3 57.5



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

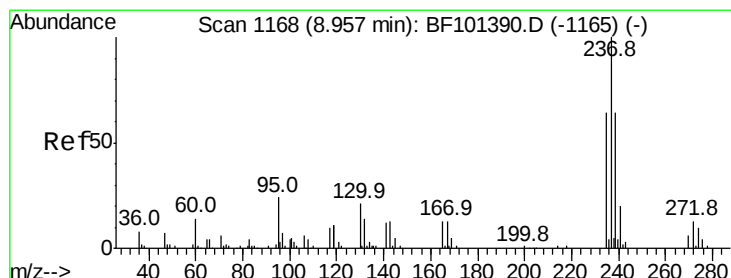
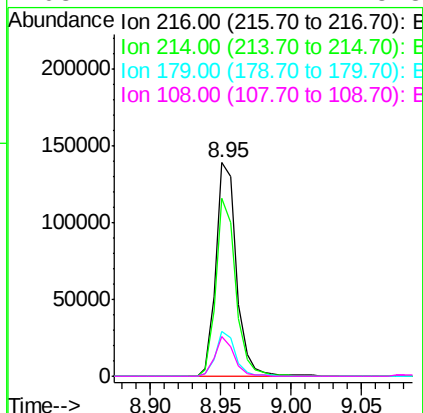
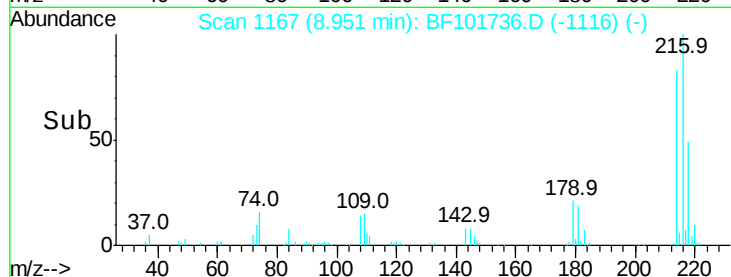
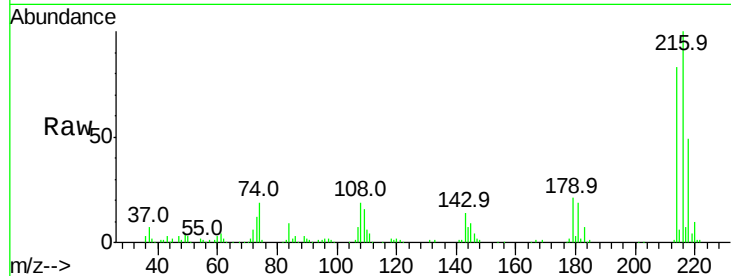




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 22.998 ng
 RT: 8.95 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: BF101736.D
 Acq: 27 Dec 2017 1:34

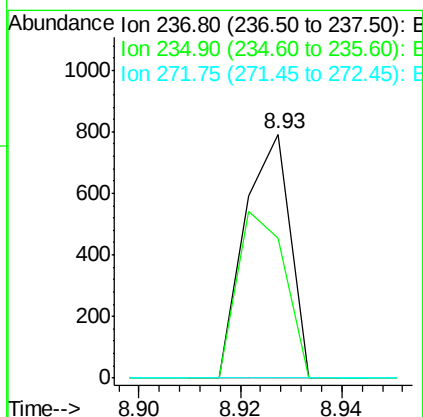
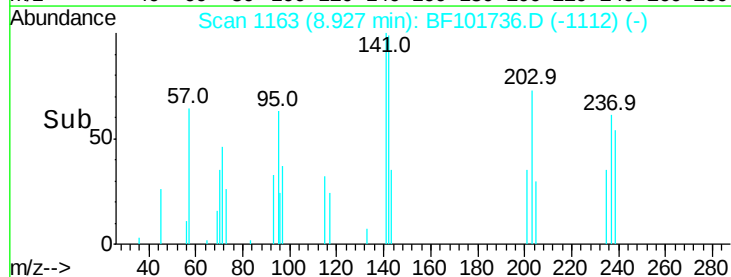
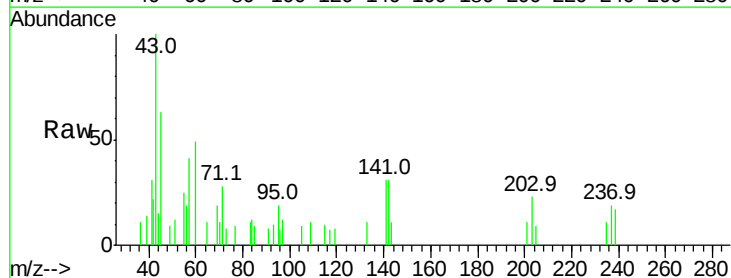
Instrument :
 BNA_F
 ClientSampleId :
 HALSTED-WWMS

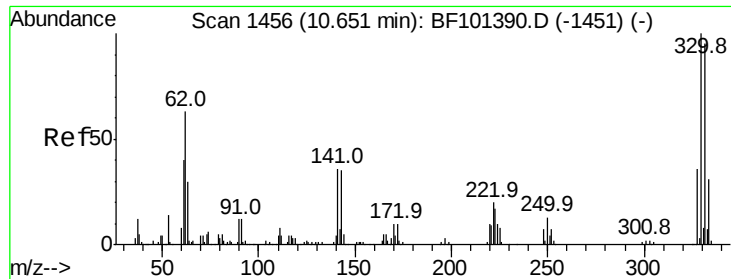
Tot Ion:	216	Resp:	141468
Ion	Ratio	Lower	Upper
216	100		
214	80.1	63.0	94.4
179	20.0	18.1	27.1
108	17.1	17.2	25.8#



#40
 Hexachlorocyclopentadiene
 Concen: 11.852 ng
 RT: 8.93 min Scan# 1163
 Delta R.T. -0.00 min
 Lab File: BF101736.D
 Acq: 27 Dec 2017 1:34

Tgt Ion:	237	Resp:	488
Ion	Ratio	Lower	Upper
237	100		
235	57.6	44.8	84.8
272	0.0	0.0	33.3

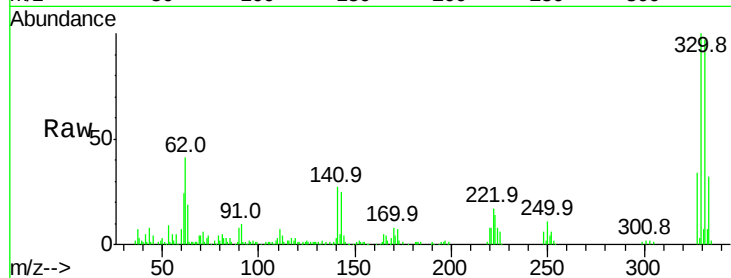




#41
 2,4,6-Tribromophenol
 Concen: 61.634 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.01 min
 Lab File: BF101736.D
 Acq: 27 Dec 2017 1:34

Instrument :
 BNA_F
 ClientSampleId :
 HALSTED-WWMS

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	31.7	29.9	44.9

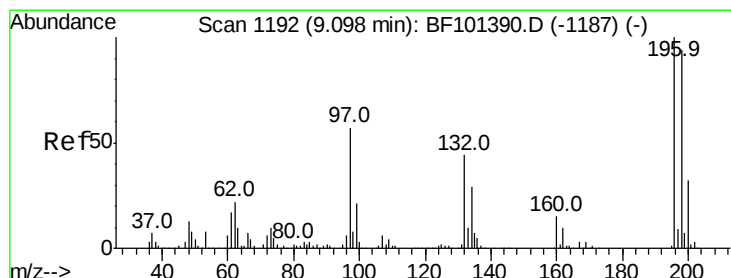
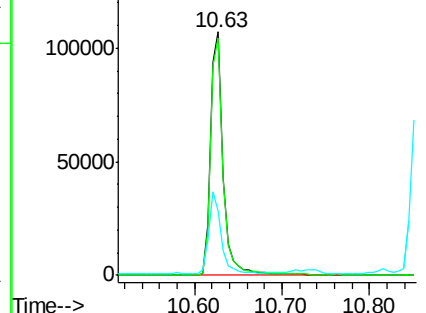
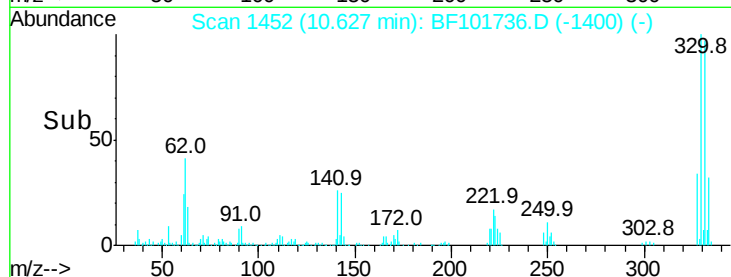


Abundance

Ion 329.80 (329.50 to 330.50): E

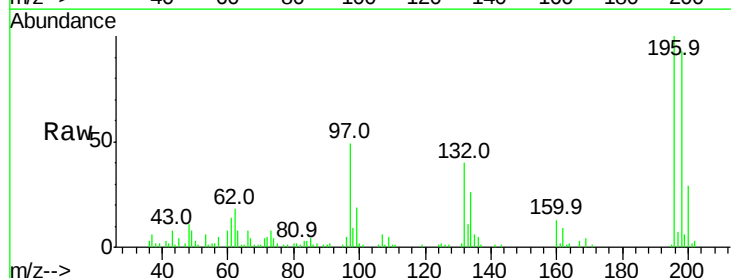
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42
 2,4,6-Trichlorophenol
 Concen: 18.199 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: BF101736.D
 Acq: 27 Dec 2017 1:34

Tgt Ion	Ratio	Lower	Upper
196	100		
198	93.1	75.7	113.5
200	28.8	24.5	36.7

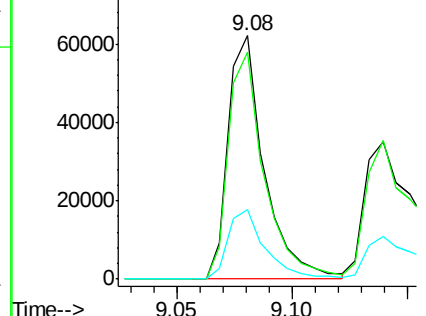
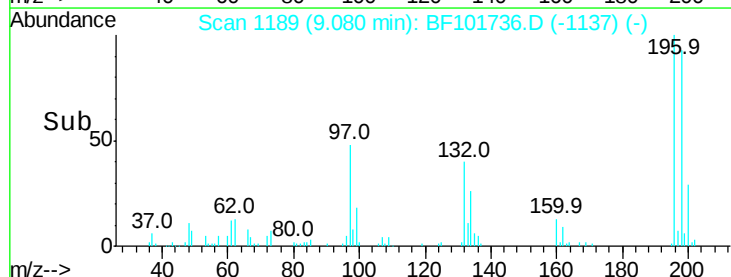


Abundance

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

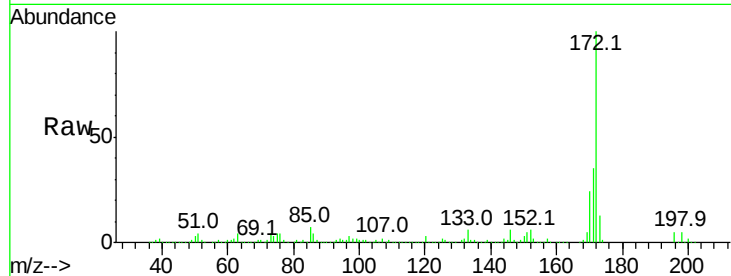




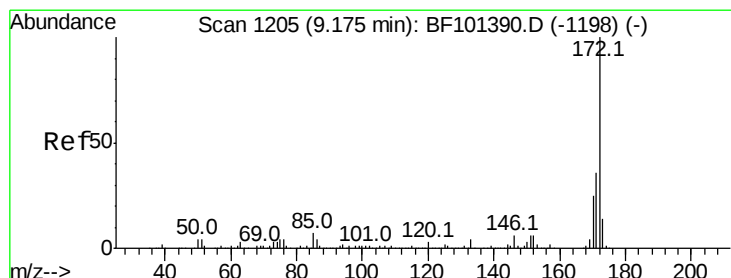
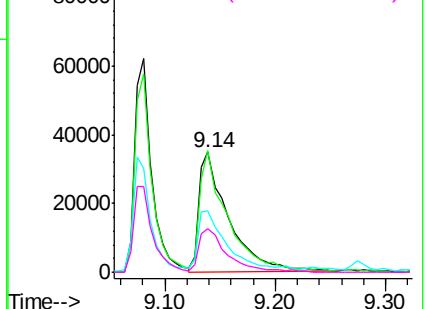
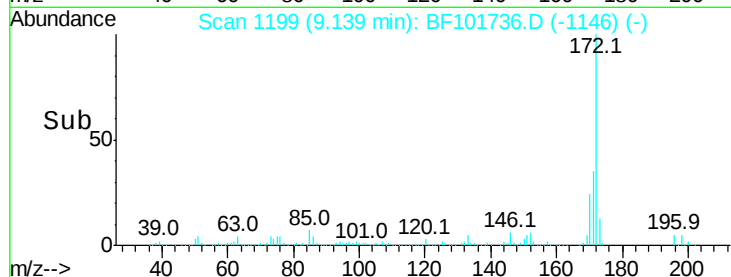
#43
 2,4,5-Trichlorophenol
 Concen: 15.409 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. 0.01 min
 Lab File: BF101736.D
 Acq: 27 Dec 2017 1:34

Instrument :
 BNA_F
 ClientSampleId :
 HALSTED-WWMS

Tot Ion:196 Resp: 62483
 Ion Ratio Lower Upper
 196 100
 198 101.0 74.6 112.0
 97 50.8 42.9 64.3
 132 36.4 26.3 39.5

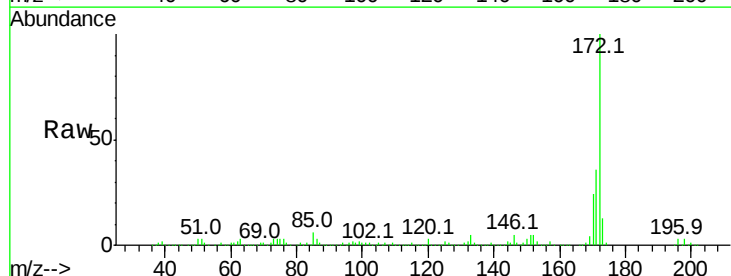


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

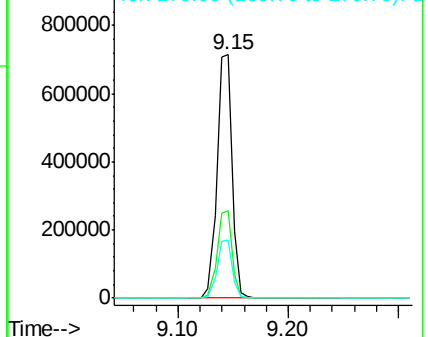
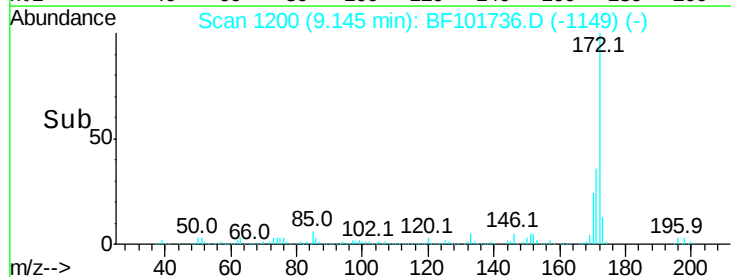


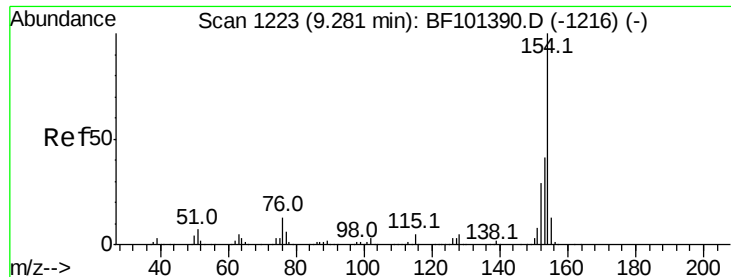
#44
 2-Fluorobiphenyl
 Concen: 57.710 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: BF101736.D
 Acq: 27 Dec 2017 1:34

Tgt Ion:172 Resp: 677812
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 23.7 19.6 29.4



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

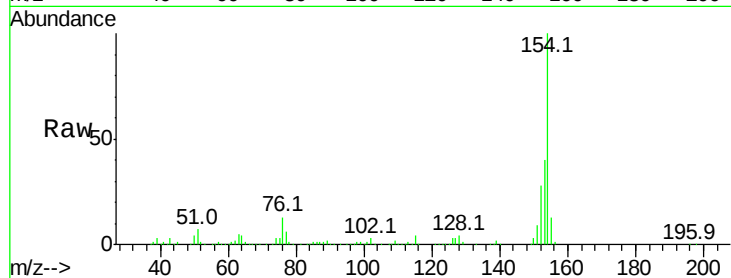




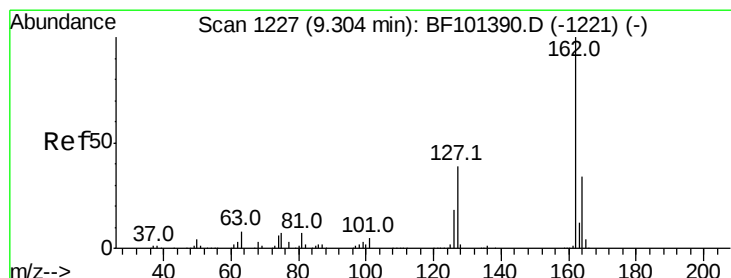
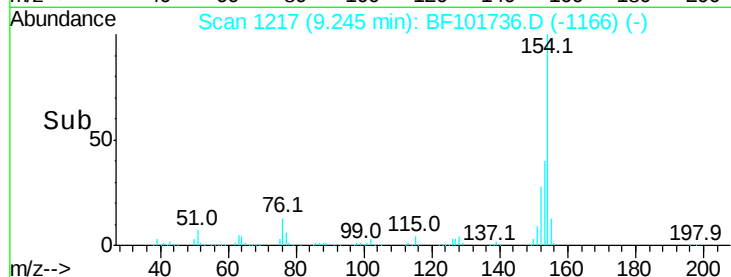
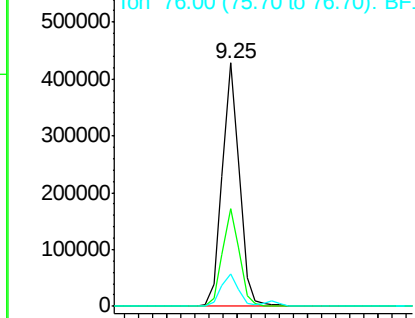
#45
 1,1'-Biphenyl
 Concen: 22.465 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: BF101736.D
 Acq: 27 Dec 2017 1:34

Instrument :
 BNA_F
 ClientSampleId :
 HALSTED-WWMS

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.0	21.3	61.3
76	13.4	0.0	34.0

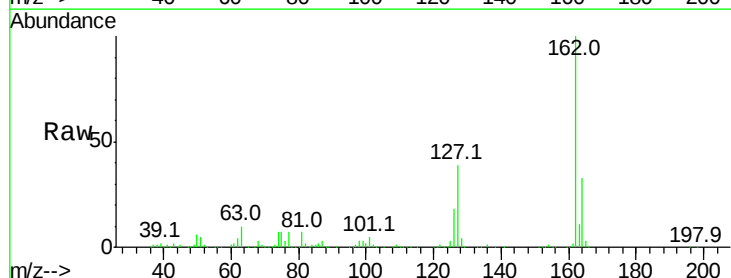


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

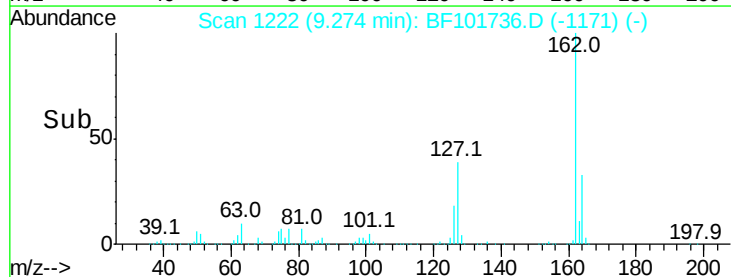
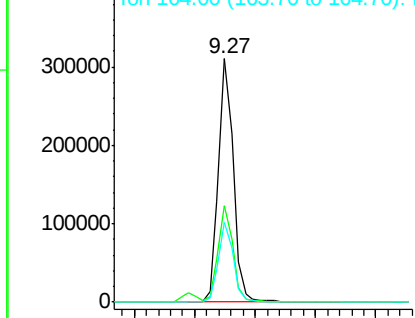


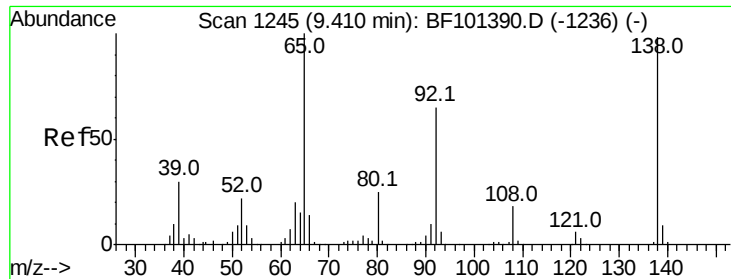
#46
 2-Chloronaphthalene
 Concen: 21.256 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. -0.00 min
 Lab File: BF101736.D
 Acq: 27 Dec 2017 1:34

Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.4	33.9	50.9
164	32.8	26.5	39.7



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

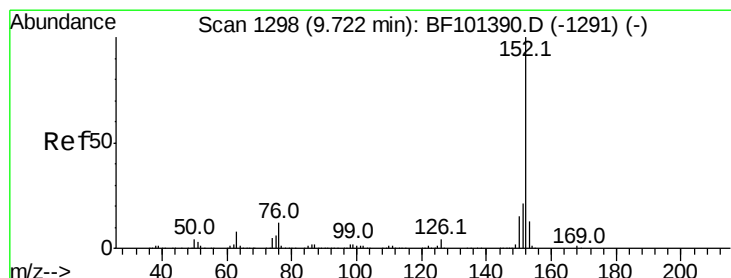
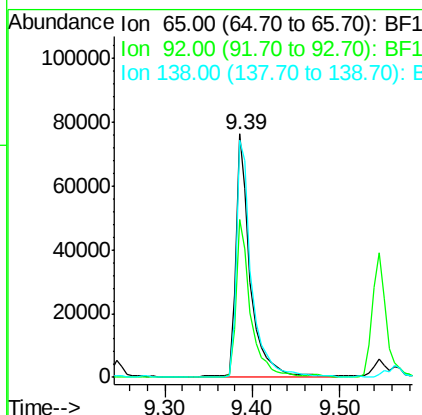
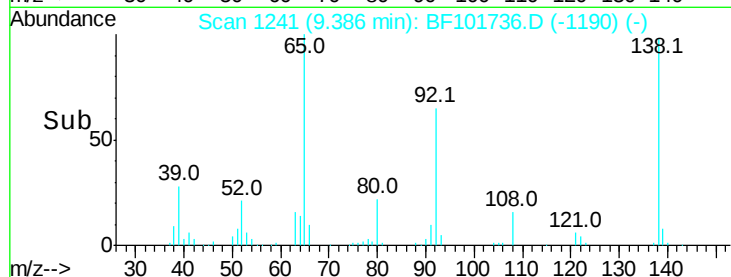
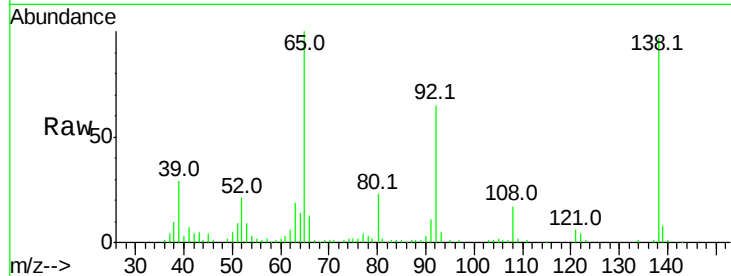




#47
 2-Nitroaniline
 Concen: 20.078 ng
 RT: 9.39 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: BF101736.D
 Acq: 27 Dec 2017 1:34

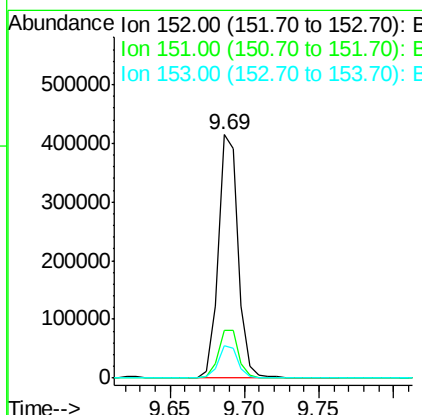
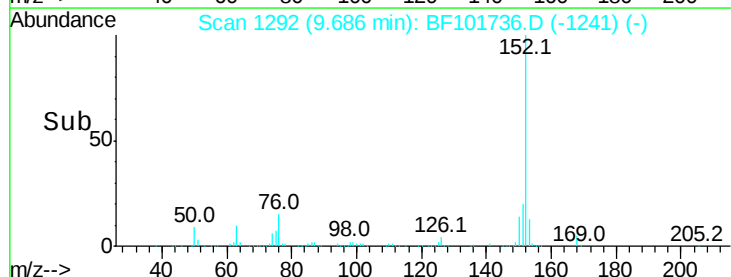
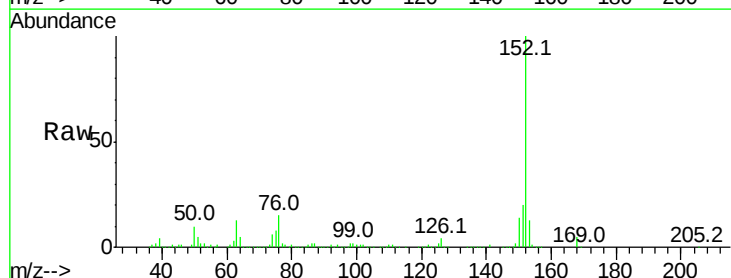
Instrument :
 BNA_F
 ClientSampleId :
 HALSTED-WWMS

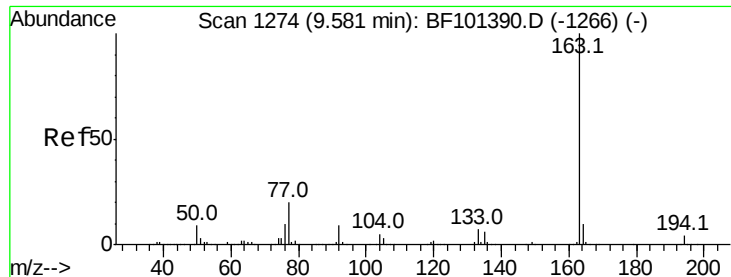
Tot Ion	Ratio	Lower	Upper
65	100		
92	64.8	55.8	83.6
138	97.2	91.2	136.8



#48
 Acenaphthylene
 Concen: 19.897 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: BF101736.D
 Acq: 27 Dec 2017 1:34

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.3	24.5
153	13.3	10.7	16.1

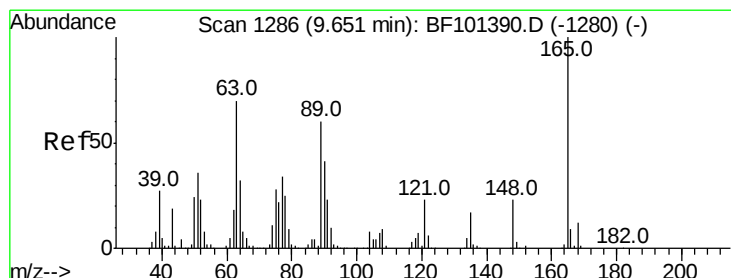
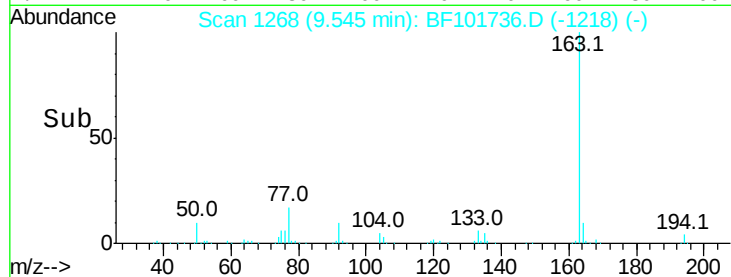
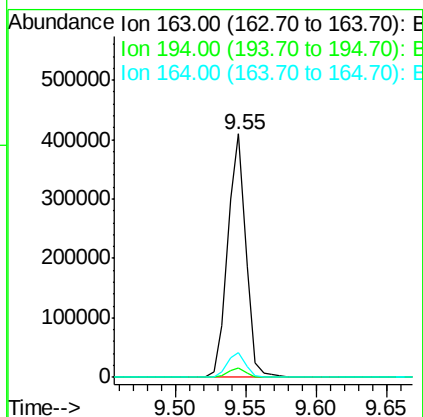
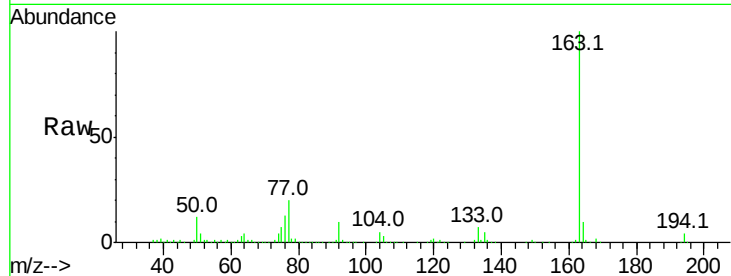




#49
Dimethylphthalate
Concen: 24.909 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF101736.D
Acq: 27 Dec 2017 1:34

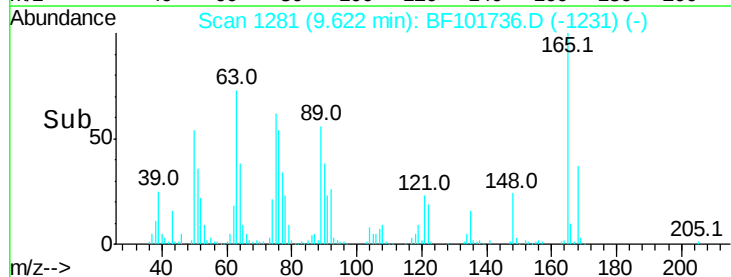
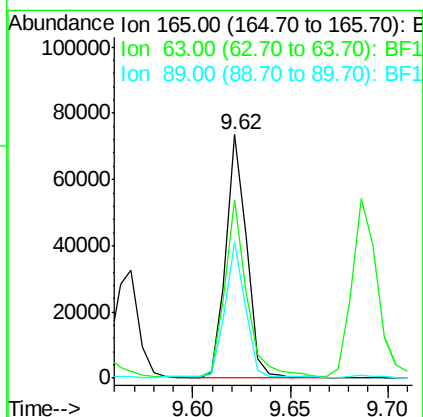
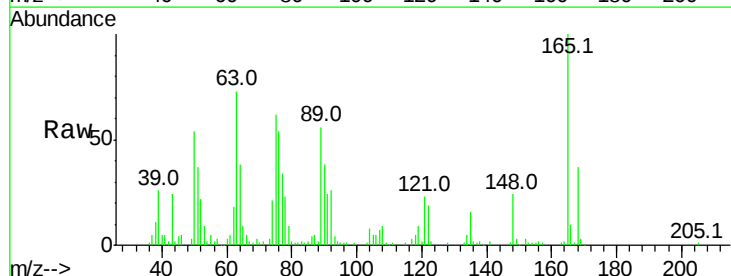
Instrument :
BNA_F
ClientSampleId :
HALSTED-WWMS

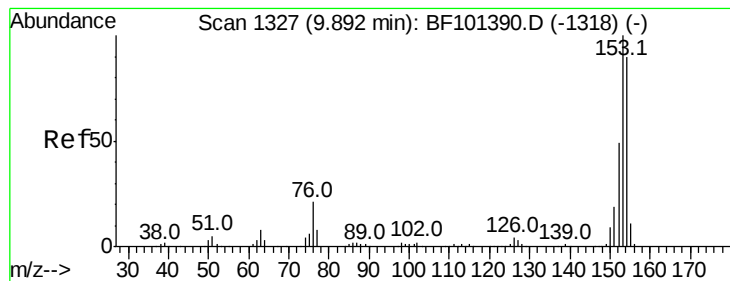
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	10.1	8.2	12.2



#50
2,6-Dinitrotoluene
Concen: 18.320 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF101736.D
Acq: 27 Dec 2017 1:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	73.5	44.7	67.1#
89	56.0	44.0	66.0





#51

Acenaphthene

Concen: 20.021 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.00 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HALSTED-WWMS

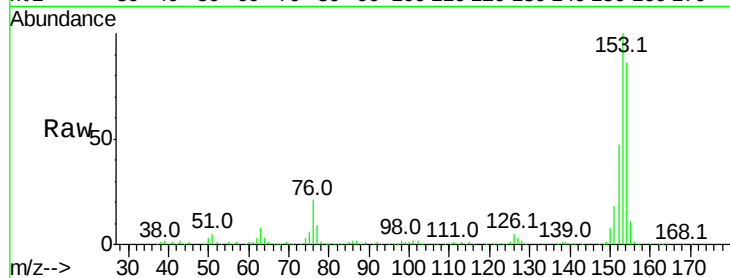
Tot Ion:154 Resp: 234894

Ion Ratio Lower Upper

154 100

153 115.9 91.2 136.8

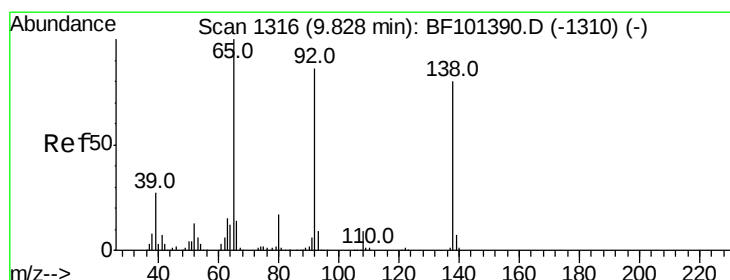
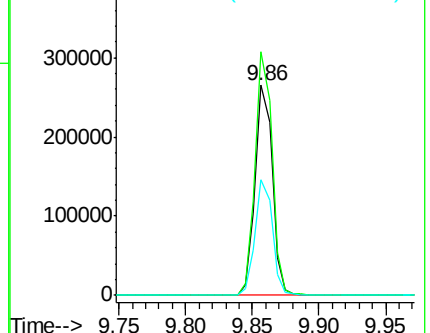
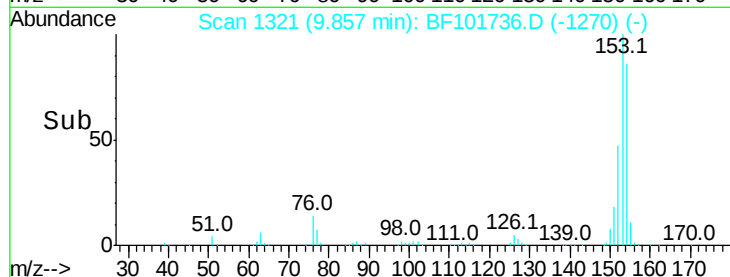
152 55.0 43.8 65.8



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: 18.598 ng

RT: 9.80 min Scan# 1312

Delta R.T. 0.01 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

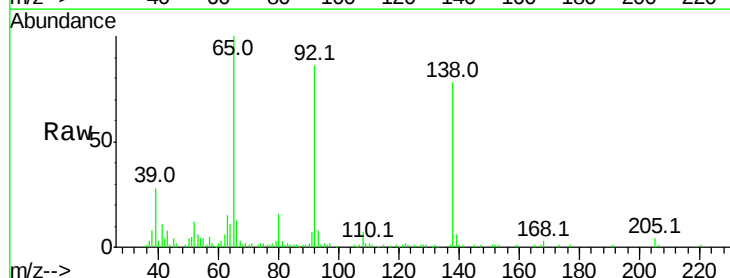
Tgt Ion:138 Resp: 69065

Ion Ratio Lower Upper

138 100

108 9.5 9.4 14.0

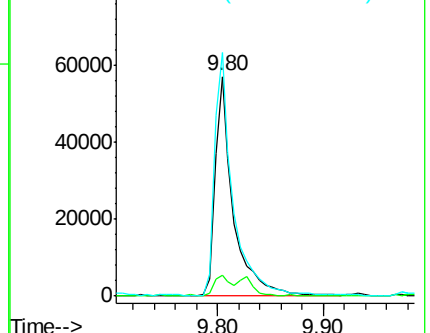
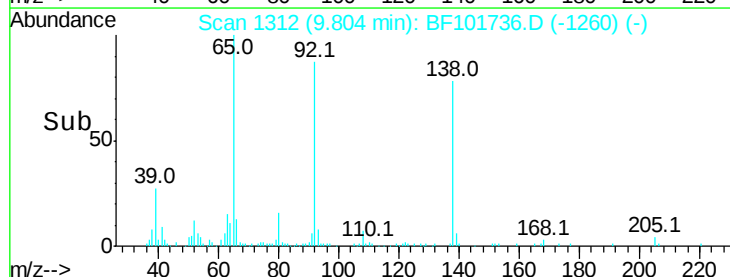
92 110.9 89.4 134.2

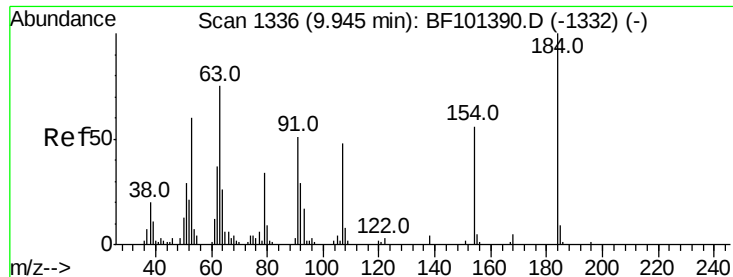


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

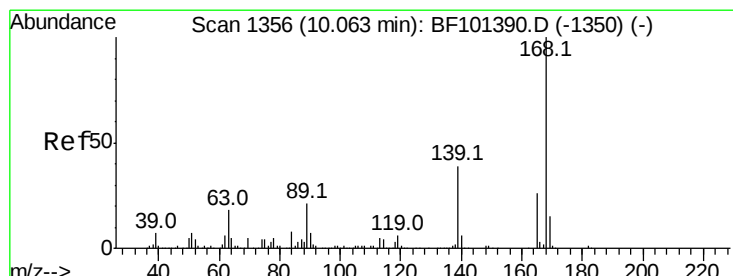
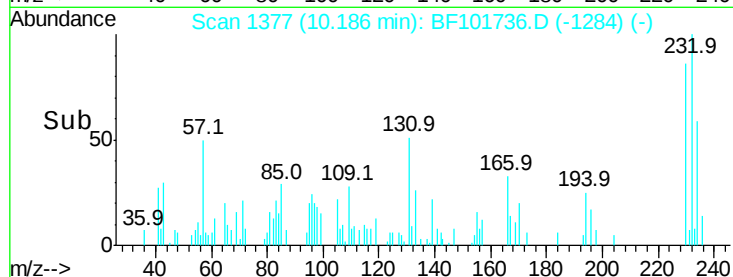
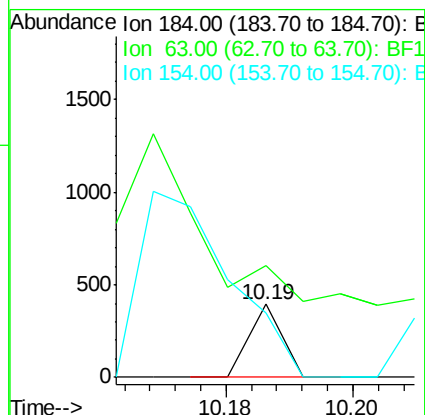
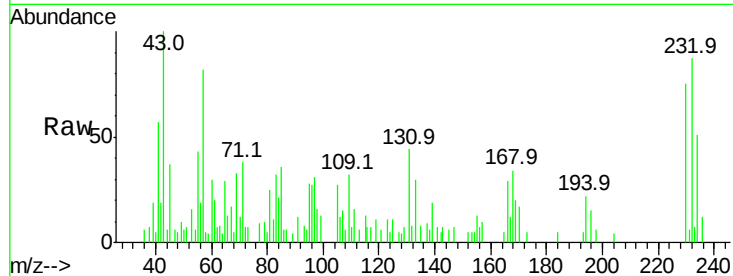




#53
 2,4-Dinitrophenol
 Concen: 10.437 ng
 RT: 10.19 min Scan# 1377
 Delta R.T. 0.25 min
 Lab File: BF101736.D
 Acq: 27 Dec 2017 1:34

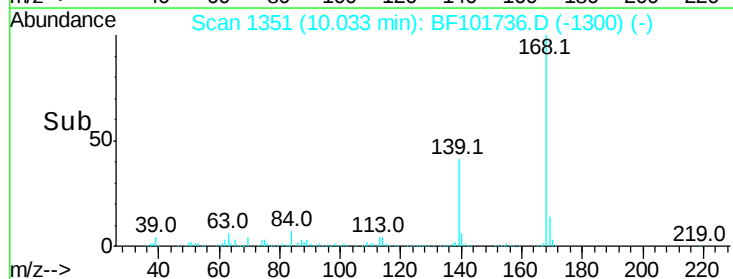
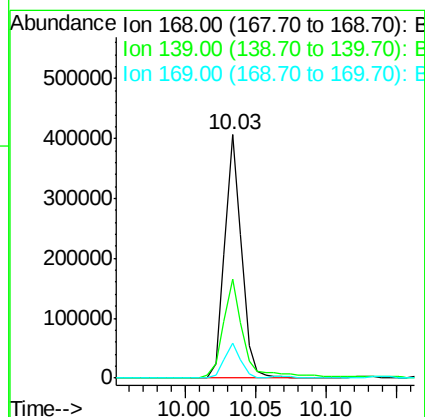
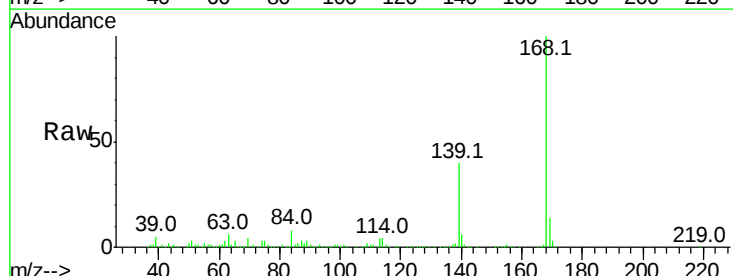
Instrument :
 BNA_F
 ClientSampleId :
 HALSTED-WWMS

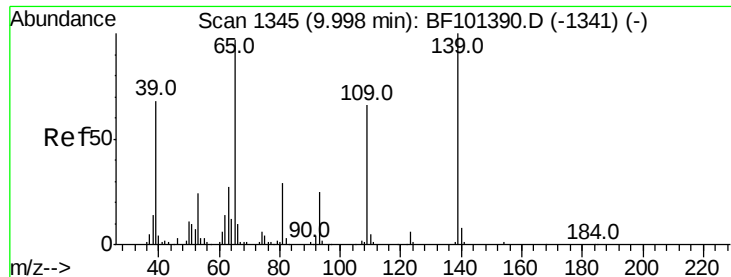
Tot Ion:184 Resp: 139
 Ion Ratio Lower Upper
 184 100
 63 153.7 54.2 81.2#
 154 87.3 184.0 276.0#



#54
 Dibenzofuran
 Concen: 22.685 ng
 RT: 10.03 min Scan# 1351
 Delta R.T. -0.00 min
 Lab File: BF101736.D
 Acq: 27 Dec 2017 1:34

Tgt Ion:168 Resp: 338225
 Ion Ratio Lower Upper
 168 100
 139 40.5 30.1 45.1
 169 14.3 10.9 16.3





#55

4-Nitrophenol

Concen: 107.470 ng

RT: 10.03 min Scan# 1351

Delta R.T. 0.05 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HALSTED-WWMS

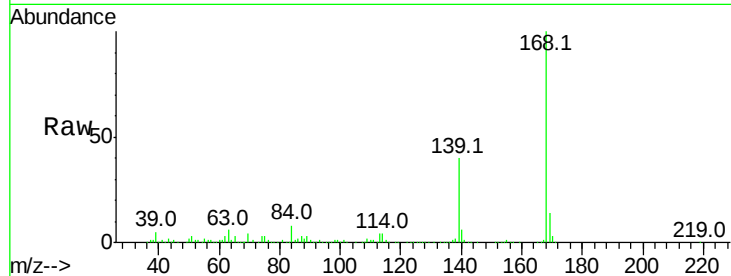
Tot Ion:139 Resp: 174022

Ion Ratio Lower Upper

139 100

109 6.1 48.4 88.4#

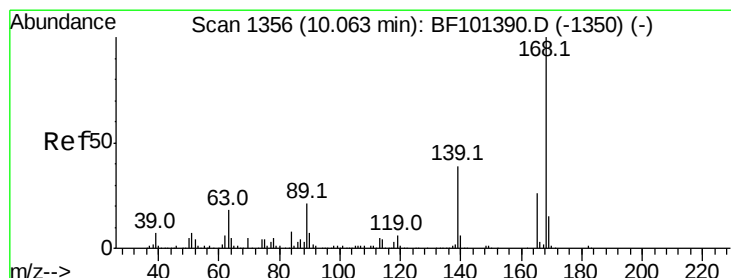
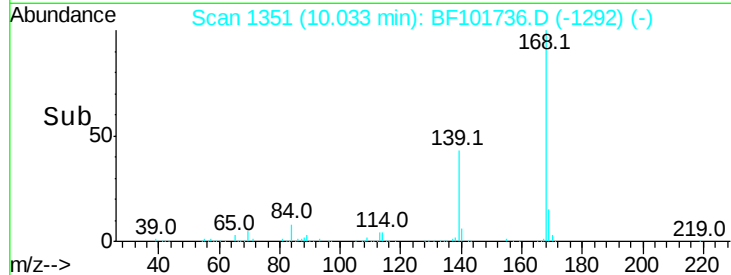
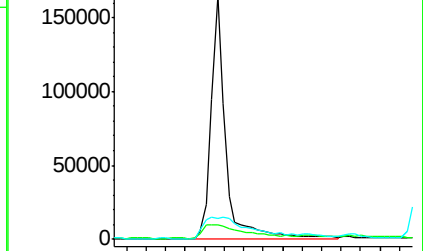
65 8.6 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 20.882 ng

RT: 10.05 min Scan# 1353

Delta R.T. 0.01 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

Tgt Ion:165 Resp: 70076

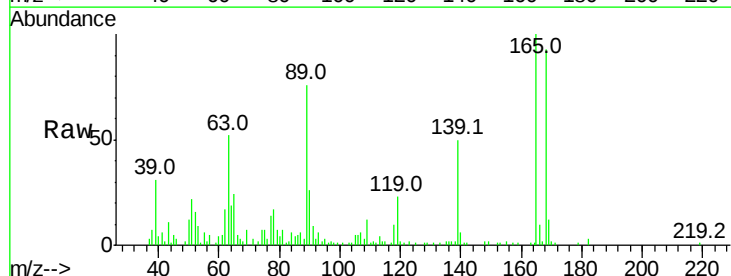
Ion Ratio Lower Upper

165 100

63 51.7 36.4 54.6

89 76.4 57.8 86.6

182 2.5 1.6 2.4#

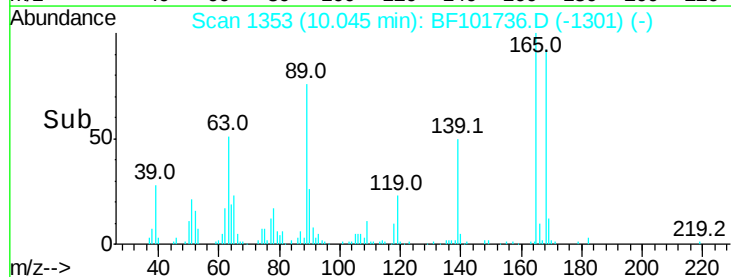
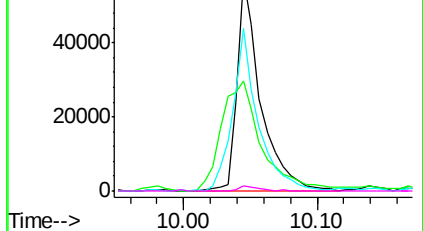


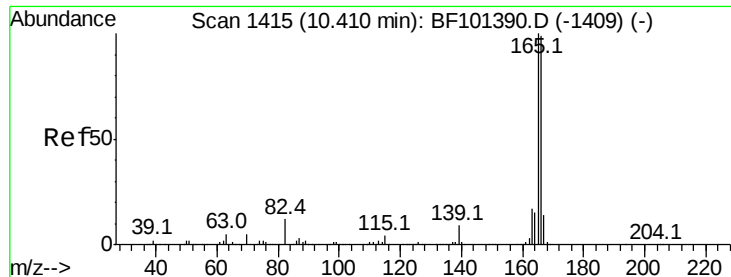
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 21.387 ng

RT: 10.37 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HALSTED-WWMS

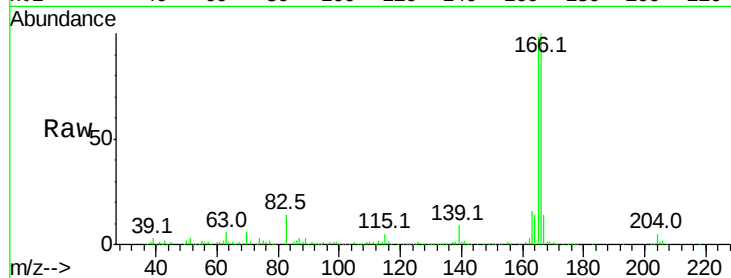
Tot Ion:166 Resp: 269746

Ion Ratio Lower Upper

166 100

165 97.6 79.8 119.8

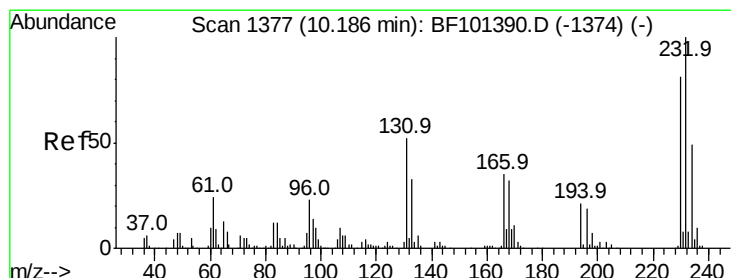
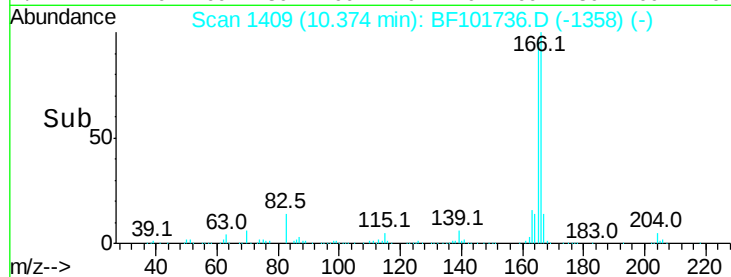
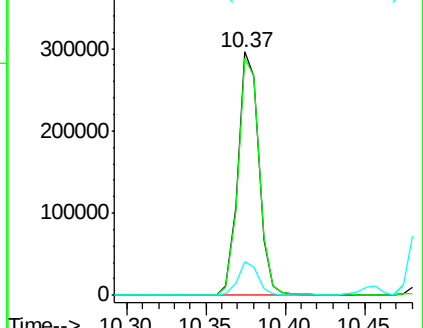
167 14.0 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 10.969 ng

RT: 10.17 min Scan# 1374

Delta R.T. 0.01 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

Tgt Ion:232 Resp: 31957

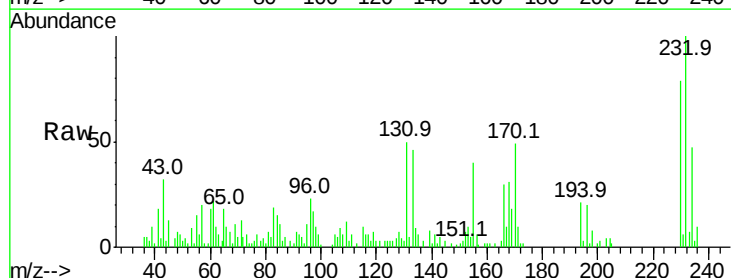
Ion Ratio Lower Upper

232 100

131 46.3 43.8 65.8

130 2.1 2.1 3.1#

166 0.0 27.8 41.6#

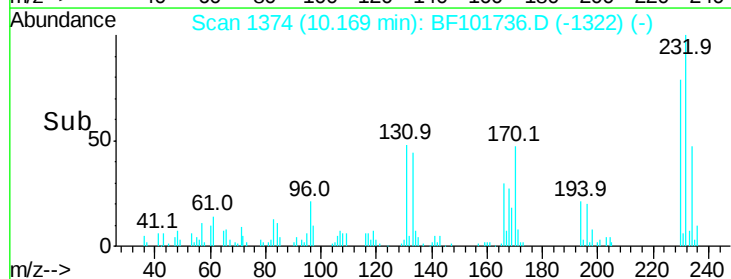
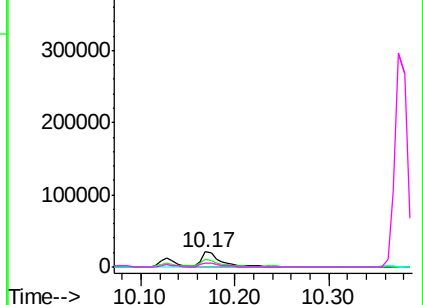


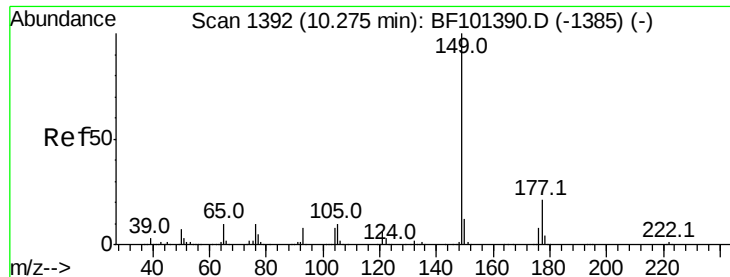
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

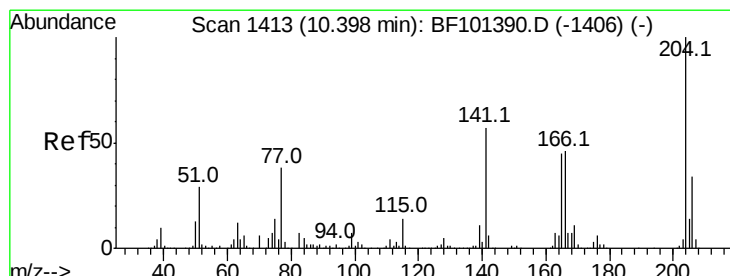
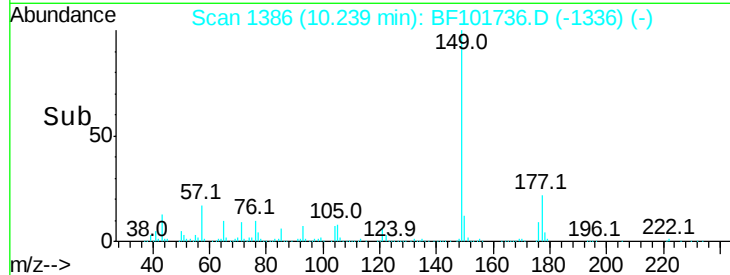
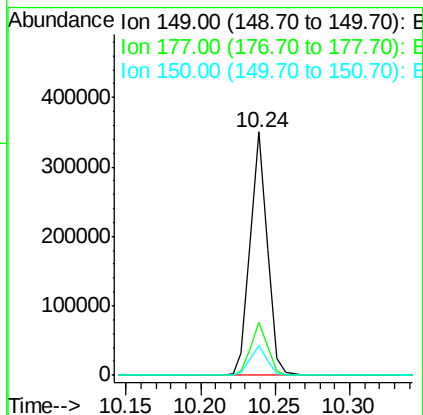
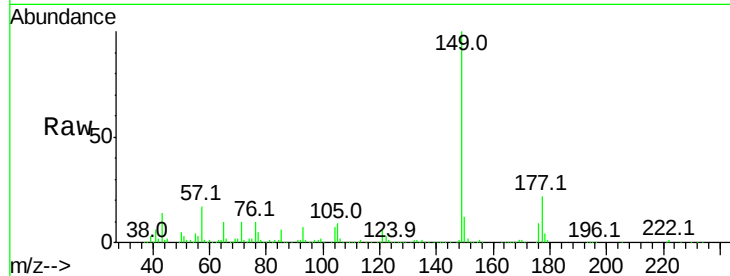




#59
Diethylphthalate
Concen: 19.200 ng
RT: 10.24 min Scan# 1386
Delta R.T. -0.01 min
Lab File: BF101736.D
Acq: 27 Dec 2017 1:34

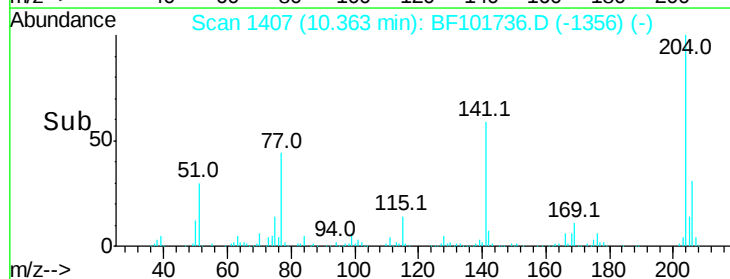
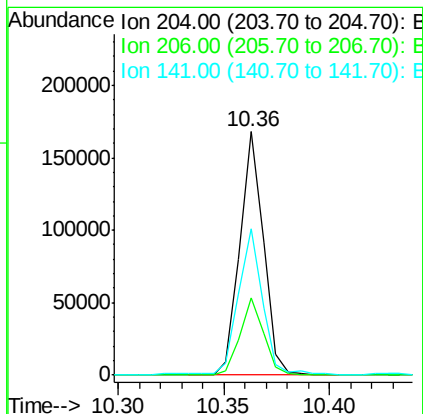
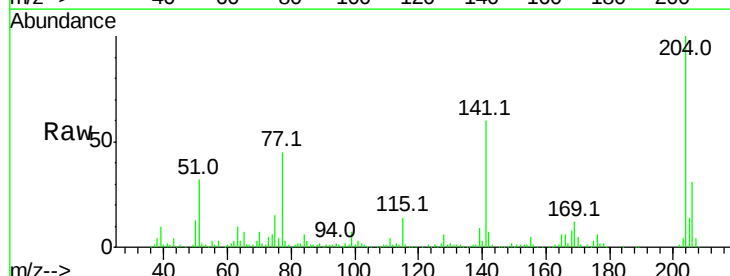
Instrument :
BNA_F
ClientSampleId :
HALSTED-WWMS

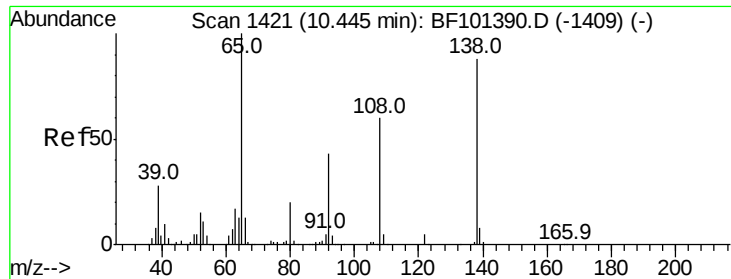
Tot Ion:149 Resp: 278645
Ion Ratio Lower Upper
149 100
177 21.7 16.1 24.1
150 12.4 10.1 15.1



#60
4-Chlorophenyl-phenylether
Concen: 21.427 ng
RT: 10.36 min Scan# 1407
Delta R.T. -0.00 min
Lab File: BF101736.D
Acq: 27 Dec 2017 1:34

Tgt Ion:204 Resp: 129520
Ion Ratio Lower Upper
204 100
206 31.5 26.5 39.7
141 59.9 54.6 81.8

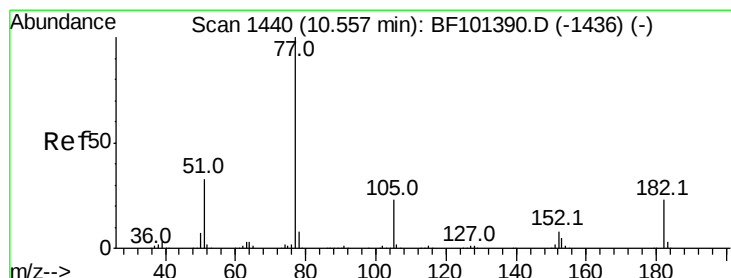
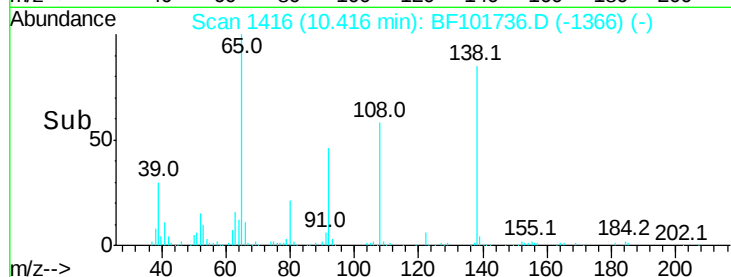
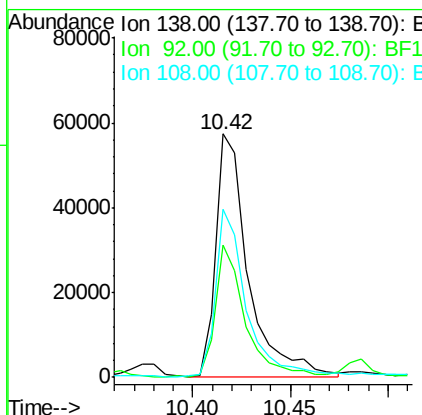
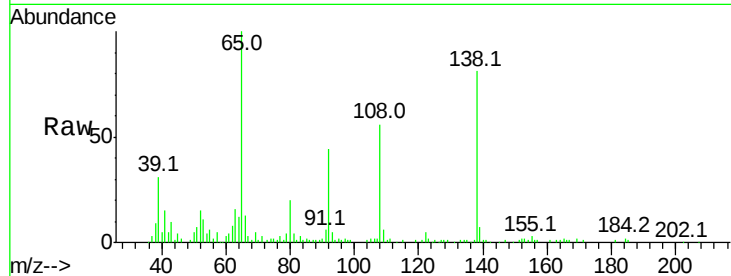




#61
4-Nitroaniline
Concen: 17.907 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BF101736.D
Acq: 27 Dec 2017 1:34

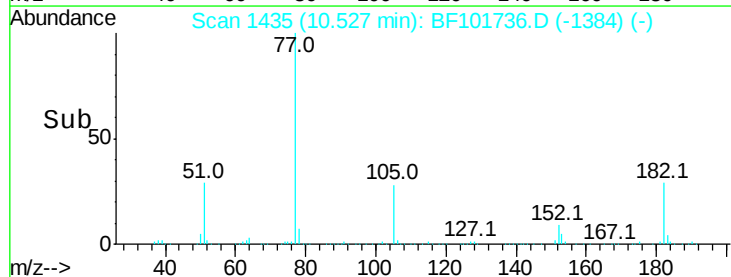
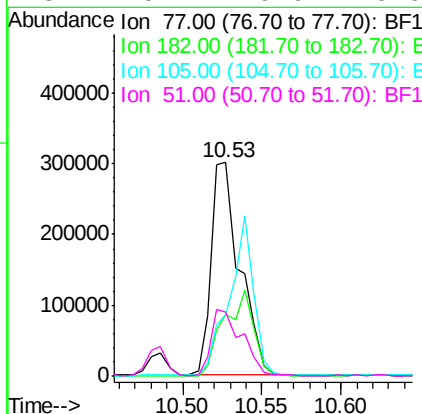
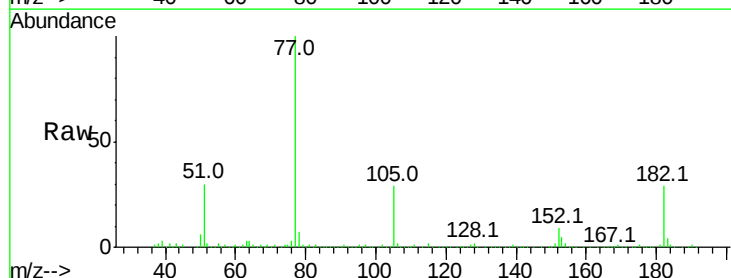
Instrument :
BNA_F
ClientSampleId :
HALSTED-WWMS

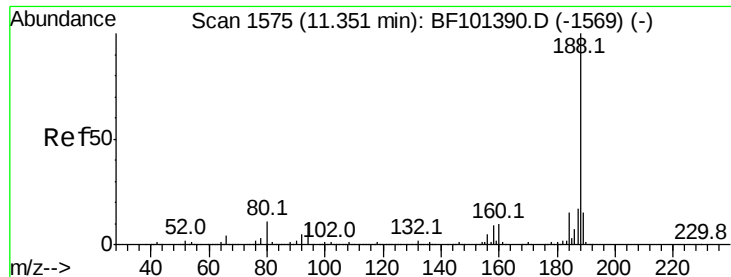
Tot Ion:138 Resp: 66839
Ion Ratio Lower Upper
138 100
92 54.1 30.2 70.2
108 68.9 52.5 92.5



#62
Azobenzene
Concen: 25.287 ng
RT: 10.53 min Scan# 1435
Delta R.T. -0.00 min
Lab File: BF101736.D
Acq: 27 Dec 2017 1:34

Tgt Ion: 77 Resp: 380167
Ion Ratio Lower Upper
77 100
182 28.9 1.7 41.7
105 29.0 3.0 43.0
51 29.7 9.9 49.9





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.01 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HALSTED-WWMS

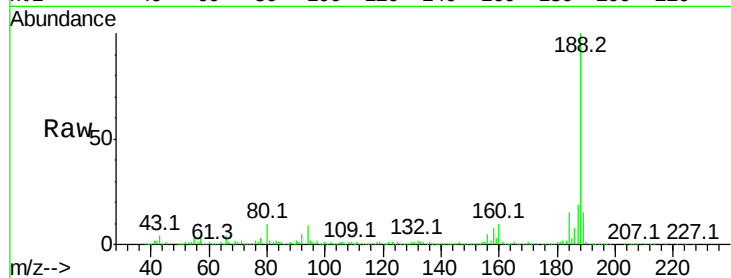
Tot Ion:188 Resp: 317839

Ion Ratio Lower Upper

188 100

94 9.5 8.5 12.7

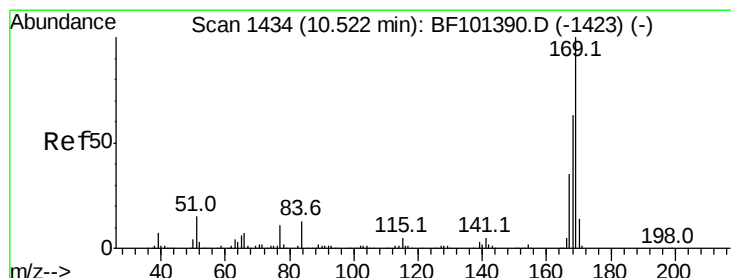
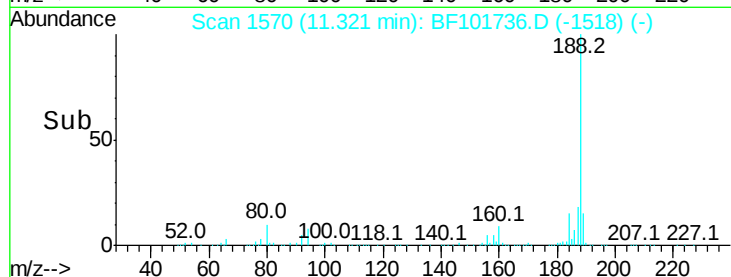
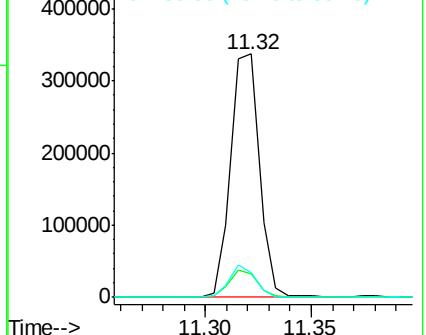
80 10.2 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

n-Nitrosodiphenylamine

Concen: 20.927 ng

RT: 10.49 min Scan# 1428

Delta R.T. -0.00 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

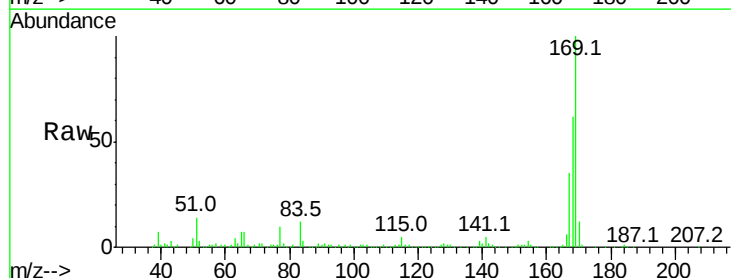
Tgt Ion:169 Resp: 245595

Ion Ratio Lower Upper

169 100

168 61.5 54.4 81.6

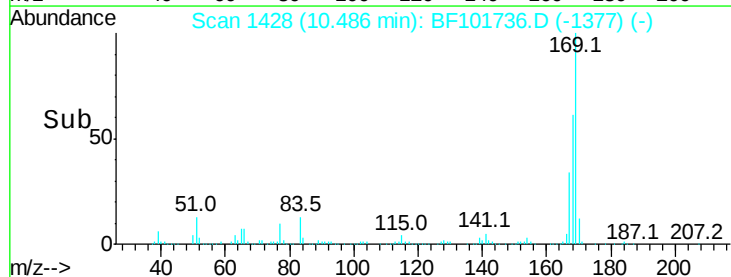
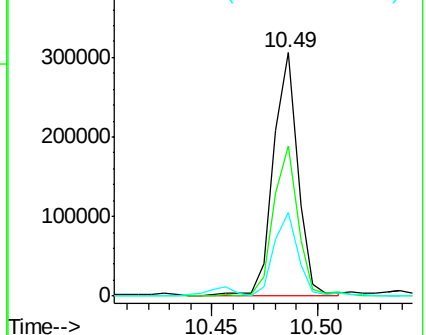
167 34.6 29.8 44.6

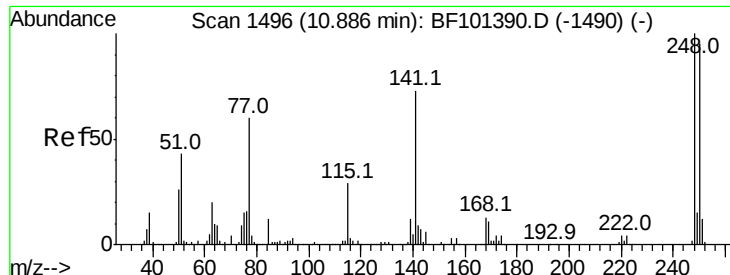


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

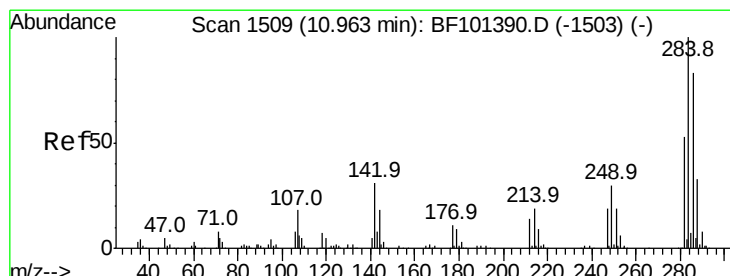
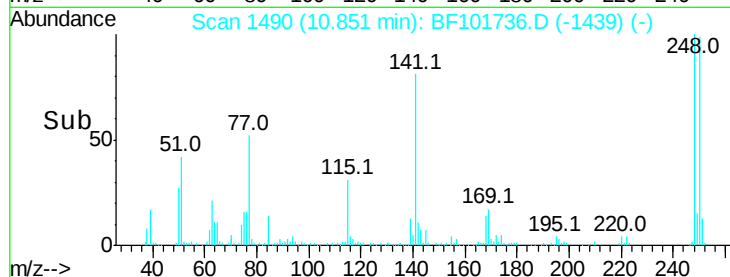
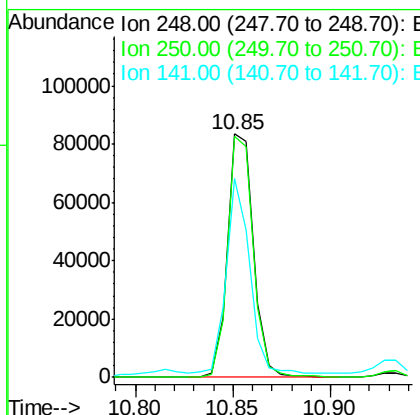
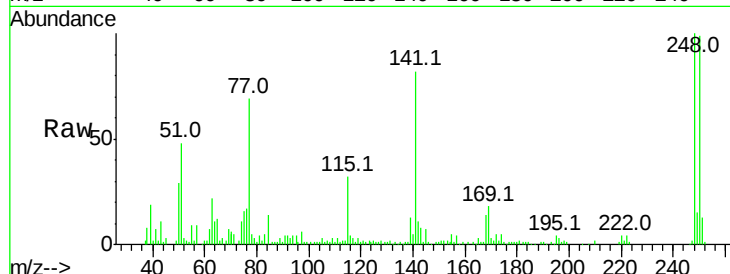




#66
4-Bromophenyl-phenylether
Concen: 21.591 ng
RT: 10.85 min Scan# 1490
Delta R.T. -0.00 min
Lab File: BF101736.D
Acq: 27 Dec 2017 1:34

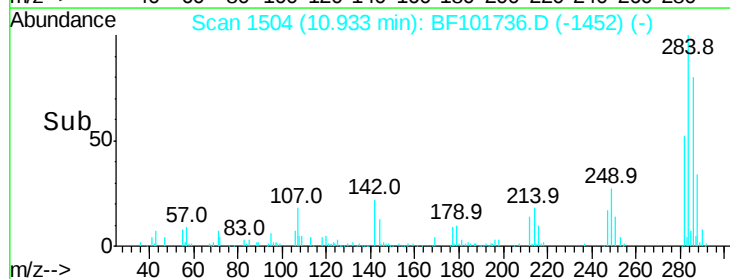
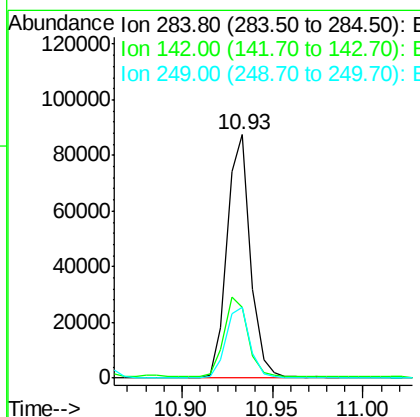
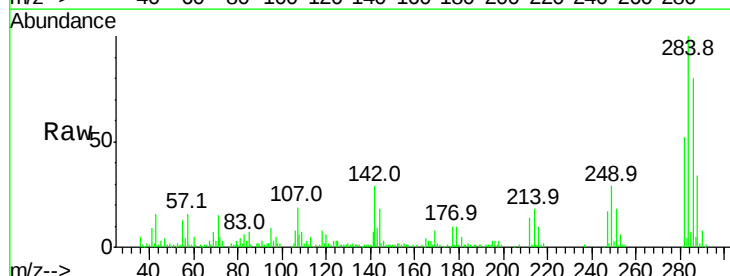
Instrument :
BNA_F
ClientSampleId :
HALSTED-WWMS

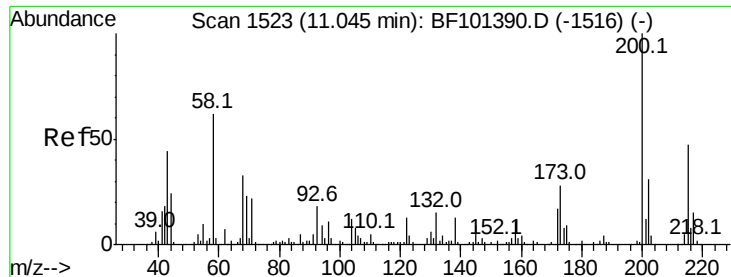
Tot Ion:248 Resp: 77108
Ion Ratio Lower Upper
248 100
250 99.0 76.9 115.3
141 81.7 74.4 111.6



#67
Hexachlorobenzene
Concen: 20.781 ng
RT: 10.93 min Scan# 1504
Delta R.T. 0.01 min
Lab File: BF101736.D
Acq: 27 Dec 2017 1:34

Tgt Ion:284 Resp: 78549
Ion Ratio Lower Upper
284 100
142 29.0 34.6 52.0#
249 29.0 24.8 37.2

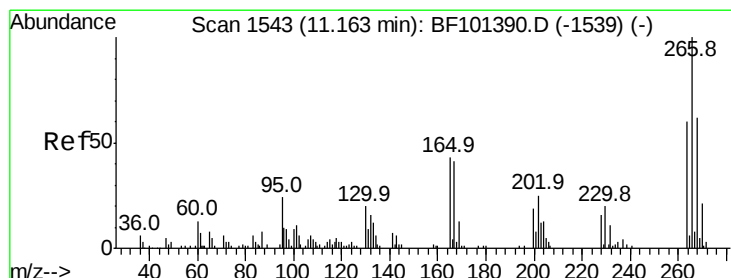
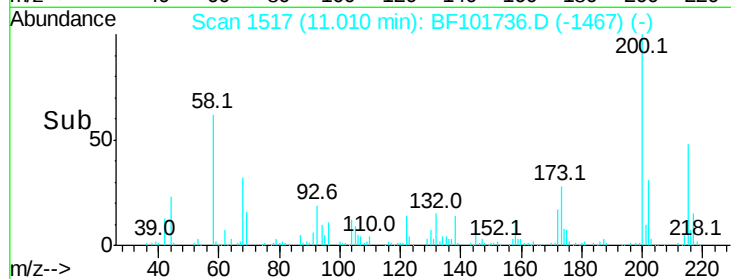
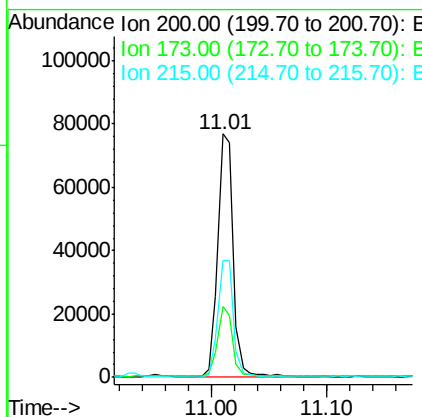
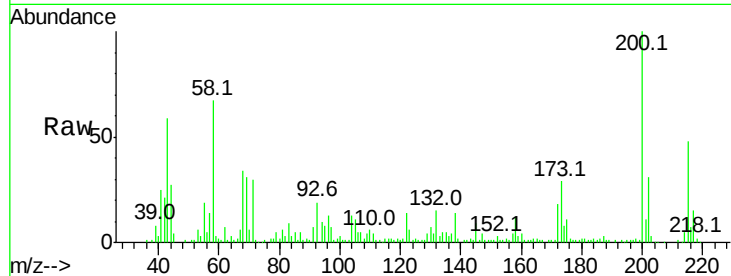




#68
Atrazine
Concen: 20.717 ng
RT: 11.01 min Scan# 1517
Delta R.T. -0.01 min
Lab File: BF101736.D
Acq: 27 Dec 2017 1:34

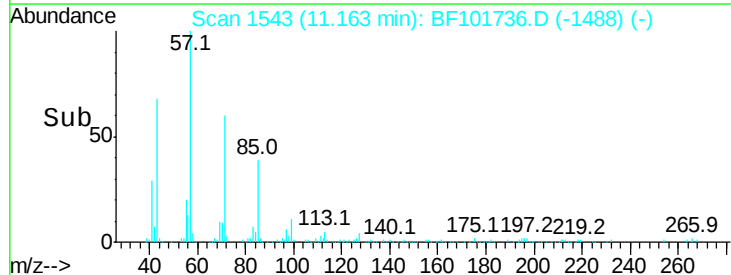
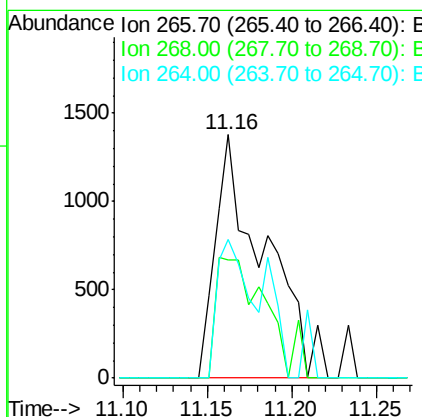
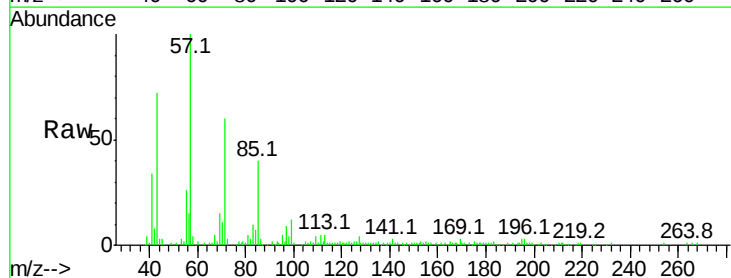
Instrument :
BNA_F
ClientSampleId :
HALSTED-WWMS

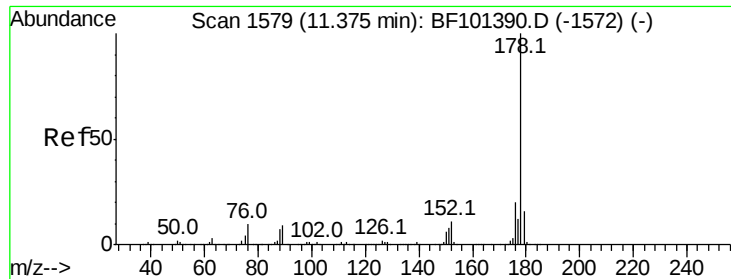
Tot Ion:200 Resp: 72497
Ion Ratio Lower Upper
200 100
173 29.0 8.6 48.6
215 47.8 25.1 65.1



#69
Pentachlorophenol
Concen: 8.286 ng
RT: 11.16 min Scan# 1543
Delta R.T. 0.02 min
Lab File: BF101736.D
Acq: 27 Dec 2017 1:34

Tgt Ion:266 Resp: 2769
Ion Ratio Lower Upper
266 100
268 48.7 51.1 76.7#
264 57.1 49.5 74.3





#70

Phenanthrene

Concen: 22.235 ng

RT: 11.34 min Scan# 1574

Delta R.T. 0.01 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HALSTED-WWMS

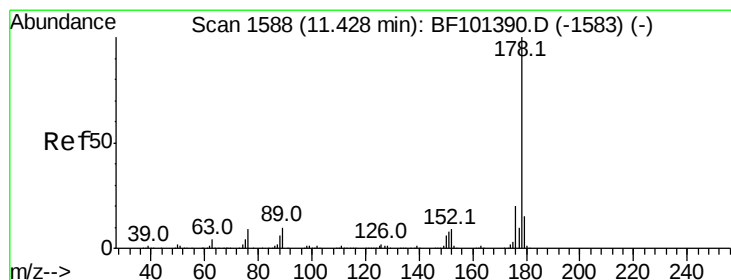
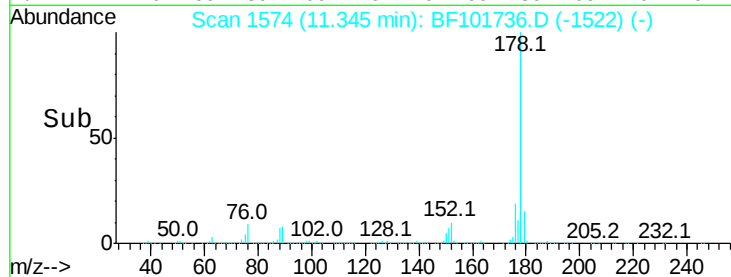
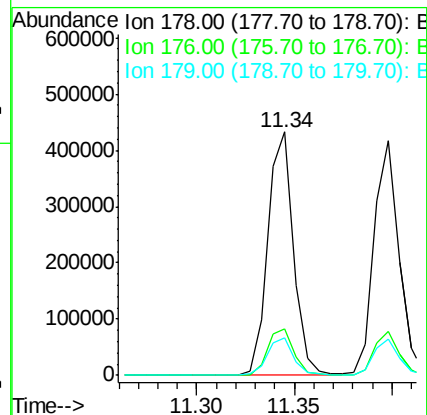
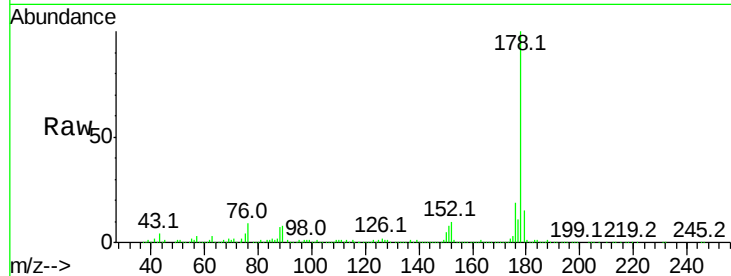
Tot Ion:178 Resp: 393020

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

179 15.4 13.0 19.6



#71

Anthracene

Concen: 20.761 ng

RT: 11.40 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

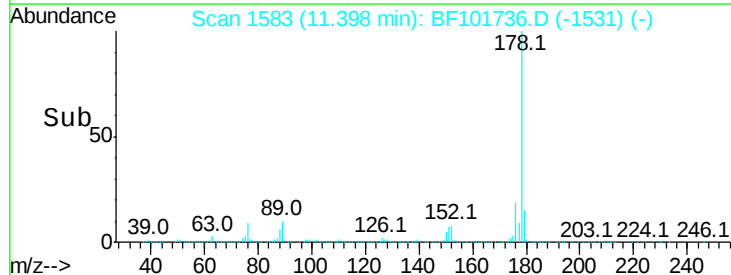
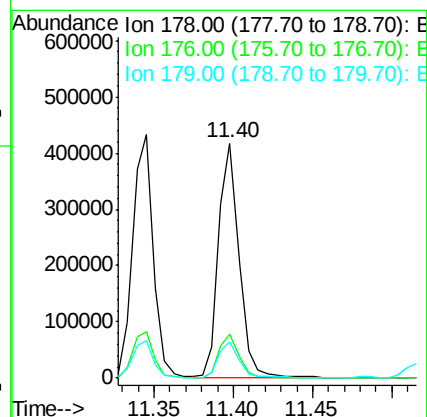
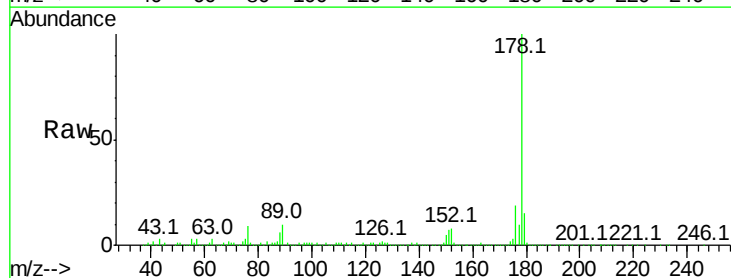
Tgt Ion:178 Resp: 374833

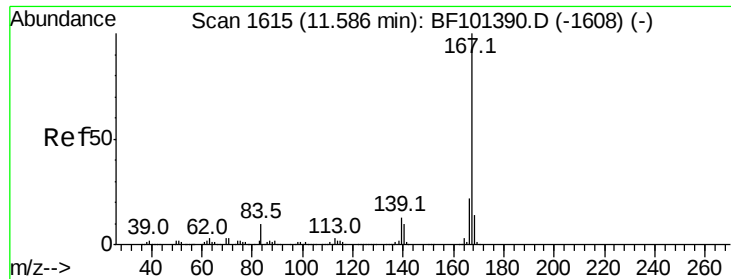
Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

179 15.2 12.6 19.0





#72

Carbazole

Concen: 19.434 ng

RT: 11.56 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HALSTED-WWMS

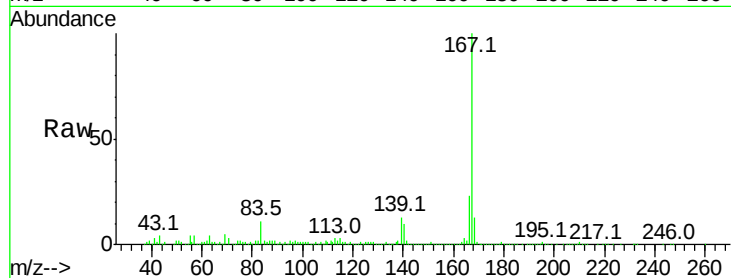
Tot Ion:167 Resp: 328514

Ion Ratio Lower Upper

167 100

166 22.6 17.6 26.4

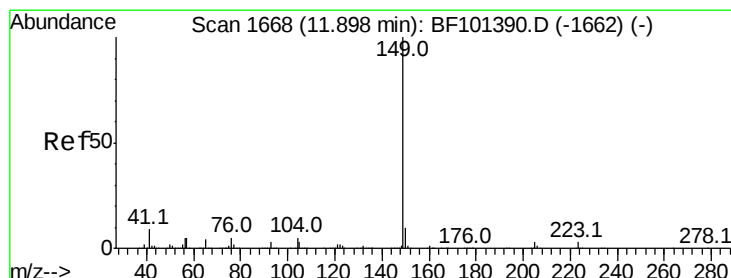
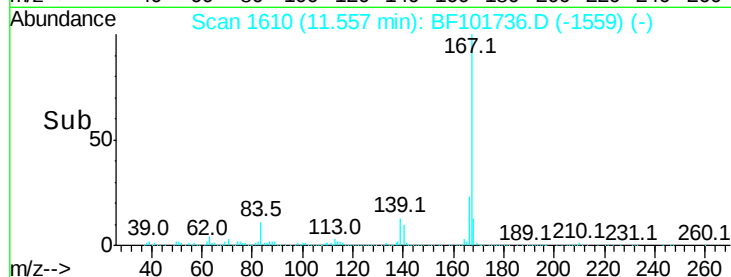
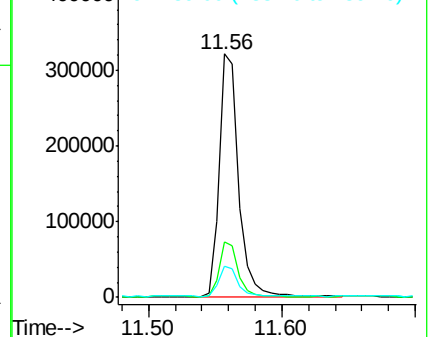
139 13.0 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 22.765 ng

RT: 11.87 min Scan# 1663

Delta R.T. 0.01 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

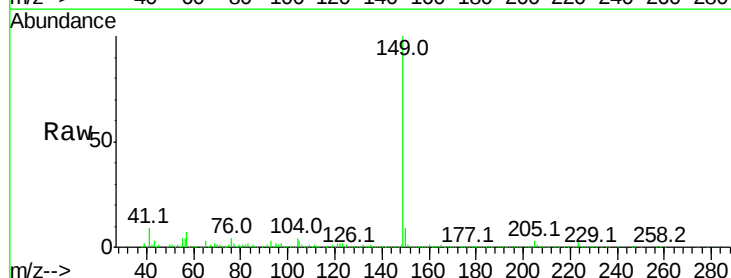
Tgt Ion:149 Resp: 467075

Ion Ratio Lower Upper

149 100

150 9.1 7.8 11.6

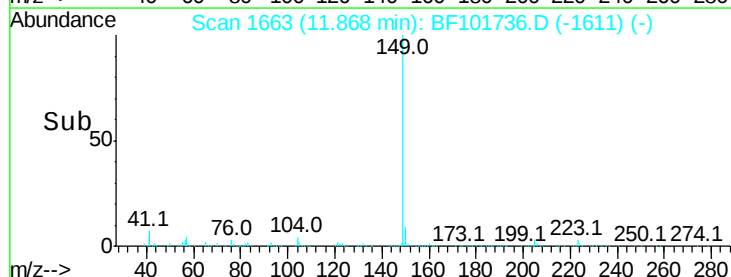
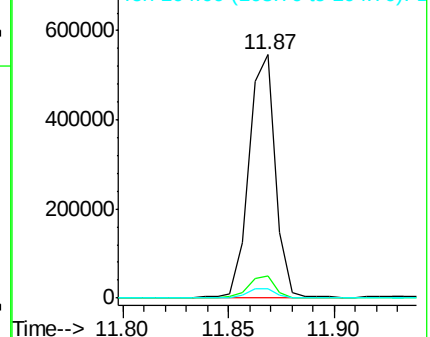
104 3.8 3.8 5.8

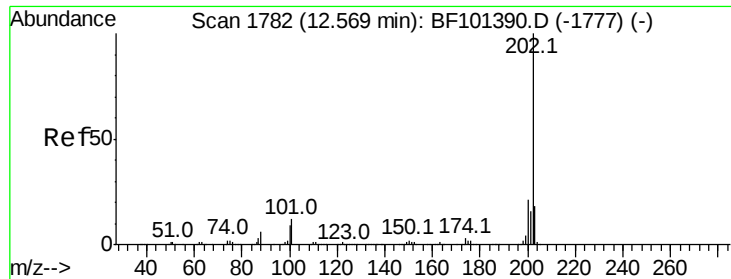


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 20.598 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.01 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HALSTED-WWMS

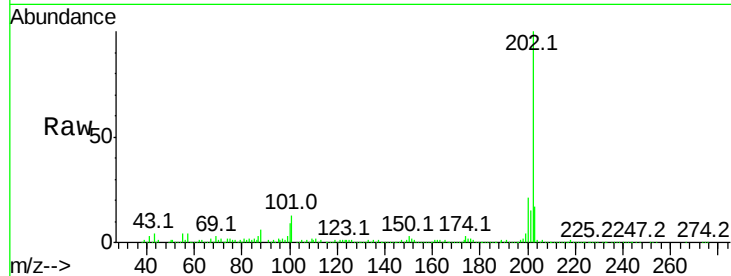
Tot Ion:202 Resp: 382161

Ion Ratio Lower Upper

202 100

101 12.9 0.0 34.1

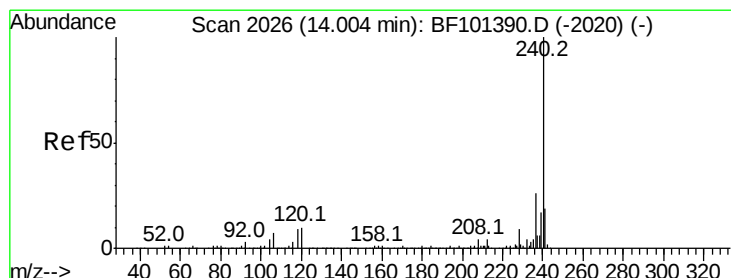
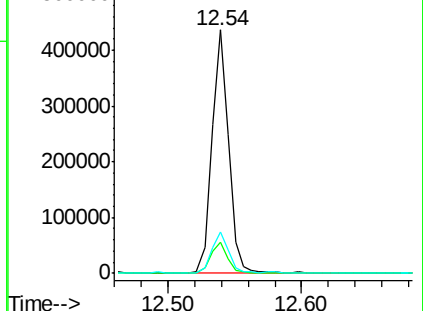
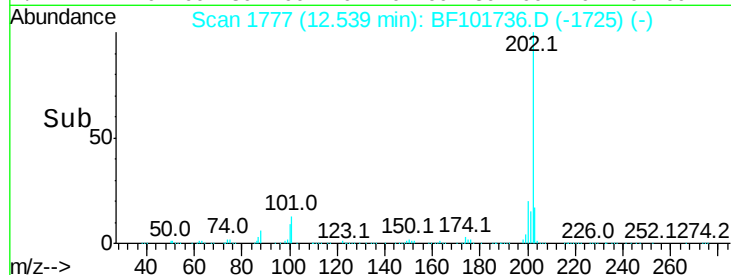
203 17.2 0.0 38.1



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: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

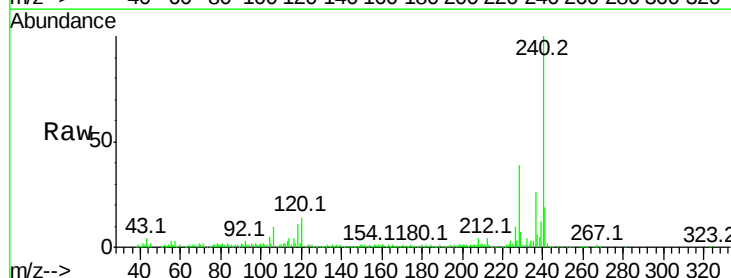
Tgt Ion:240 Resp: 292202

Ion Ratio Lower Upper

240 100

120 13.6 9.5 14.3

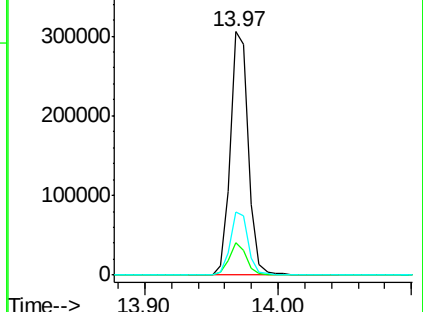
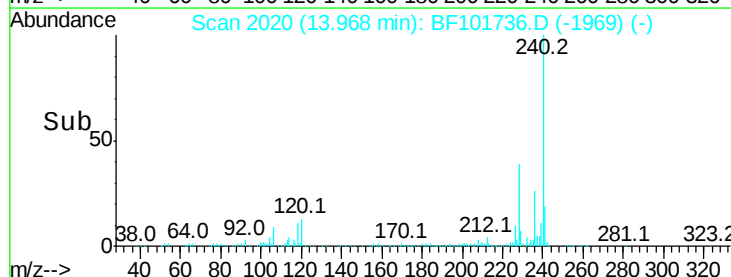
236 25.7 20.7 31.1

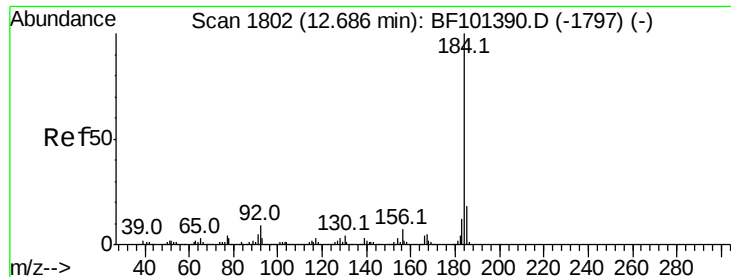


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 11.021 ng

RT: 12.66 min Scan# 1798

Delta R.T. 0.01 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HALSTED-WWMS

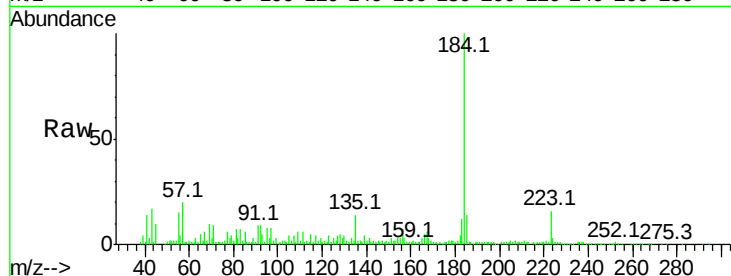
Tot Ion:184 Resp: 136008

Ion Ratio Lower Upper

184 100

185 14.5 12.6 18.8

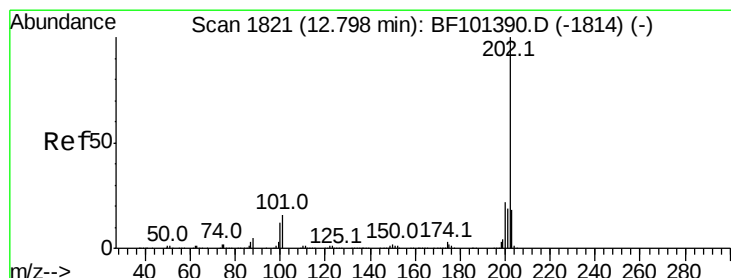
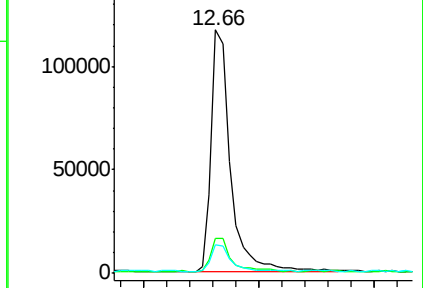
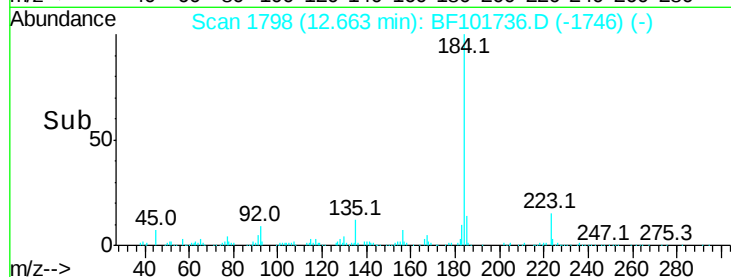
183 11.5 9.3 13.9



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

Pyrene

Concen: 17.086 ng

RT: 12.77 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

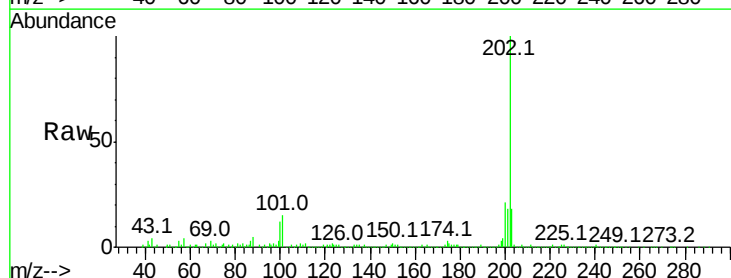
Tgt Ion:202 Resp: 374688

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

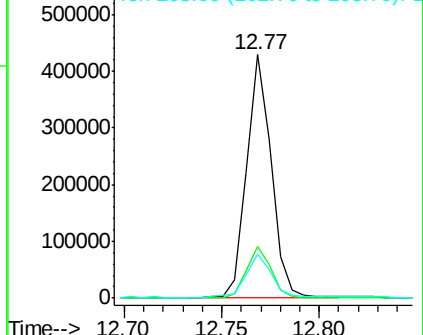
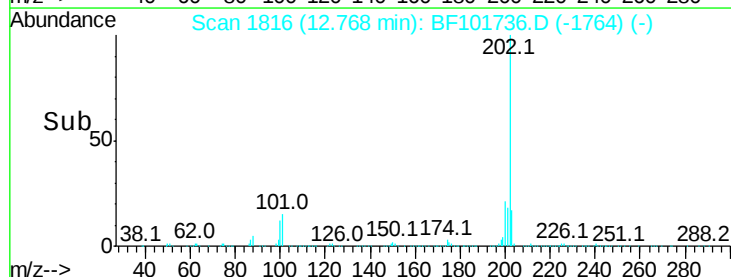
203 17.8 14.3 21.5

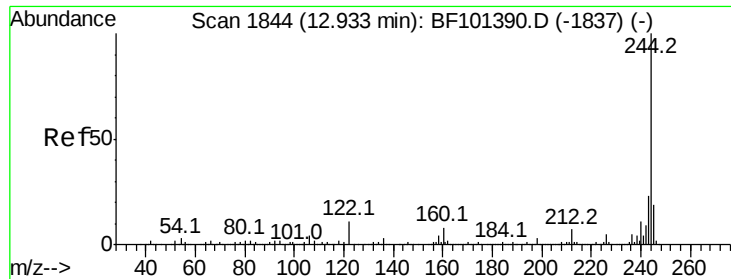


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 49.593 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HALSTED-WWMS

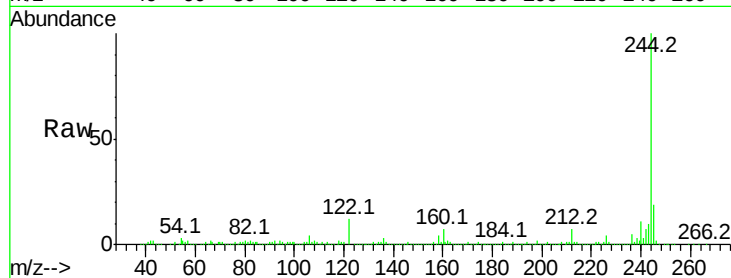
Tot Ion:244 Resp: 601098

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

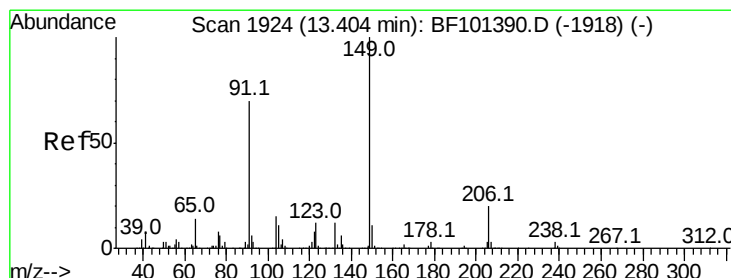
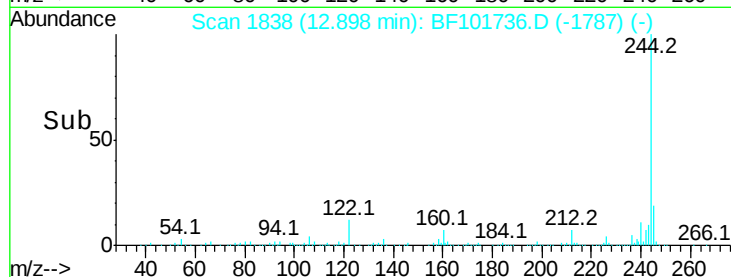
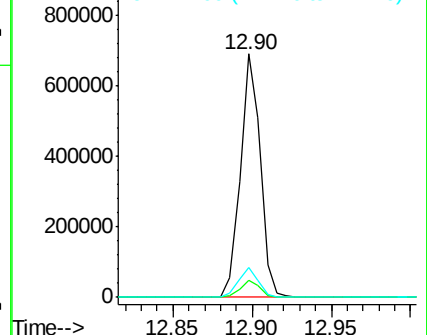
122 12.3 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 18.304 ng

RT: 13.37 min Scan# 1918

Delta R.T. 0.01 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

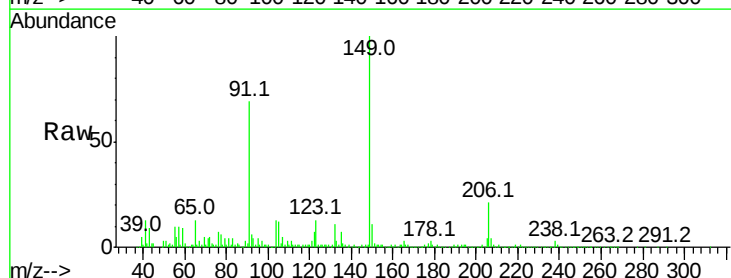
Tgt Ion:149 Resp: 181627

Ion Ratio Lower Upper

149 100

91 68.7 56.8 85.2

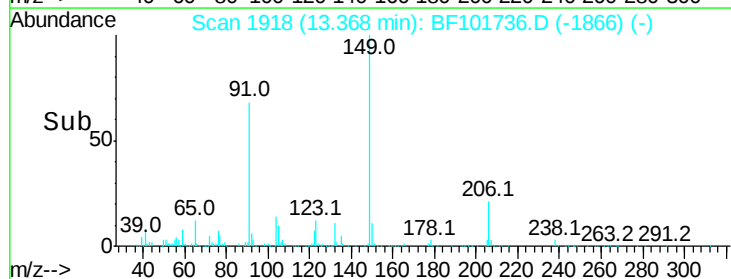
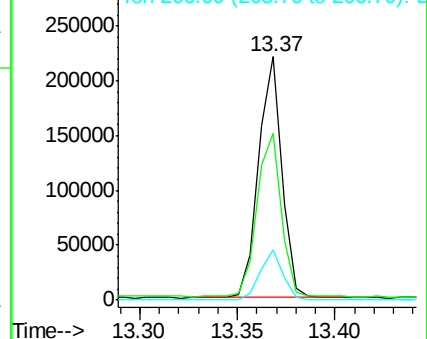
206 20.9 14.1 21.1

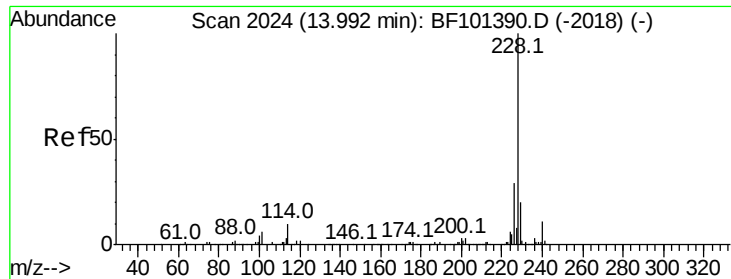


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 13.692 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HALSTED-WWMS

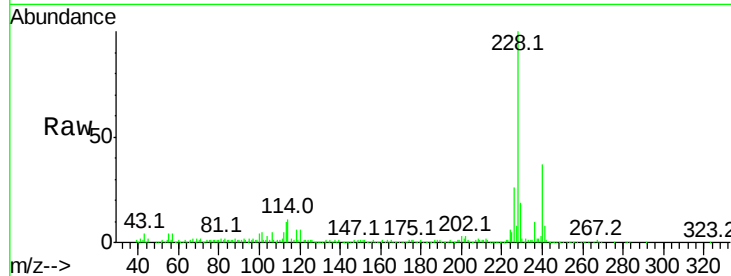
Tot Ion:228 Resp: 264184

Ion Ratio Lower Upper

228 100

226 26.4 22.6 33.8

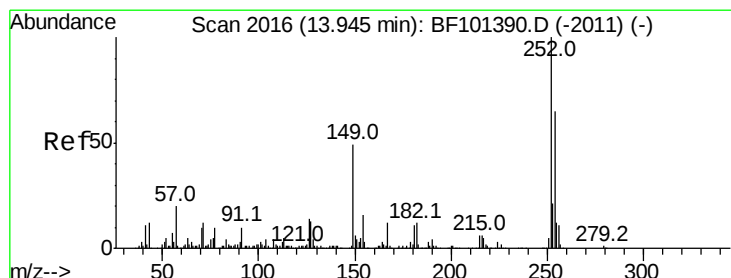
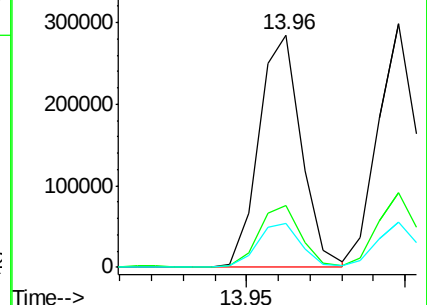
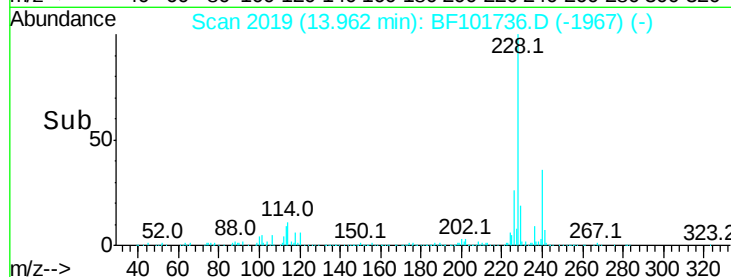
229 19.1 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 15.654 ng

RT: 13.92 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

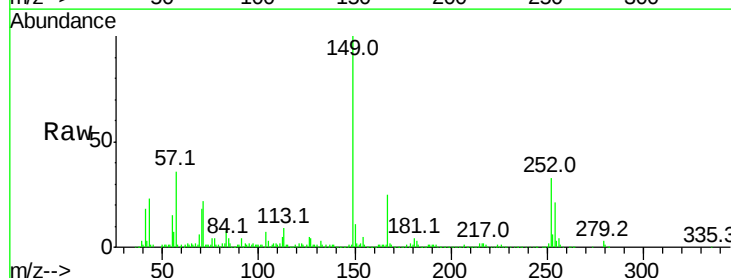
Tgt Ion:252 Resp: 98487

Ion Ratio Lower Upper

252 100

254 63.7 50.4 75.6

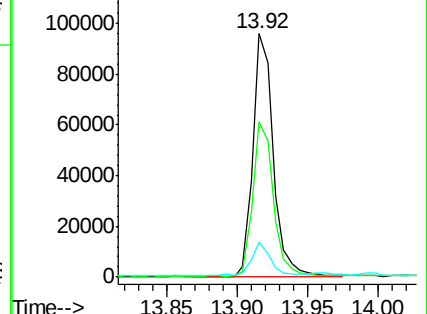
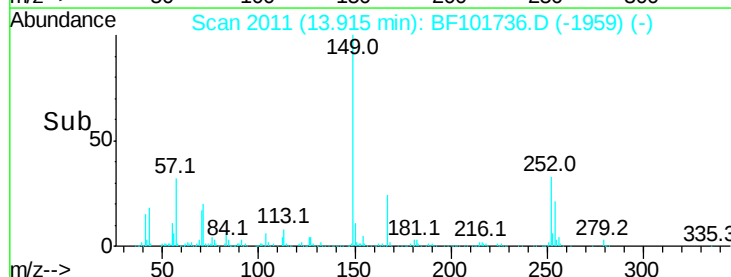
126 14.2 11.3 16.9

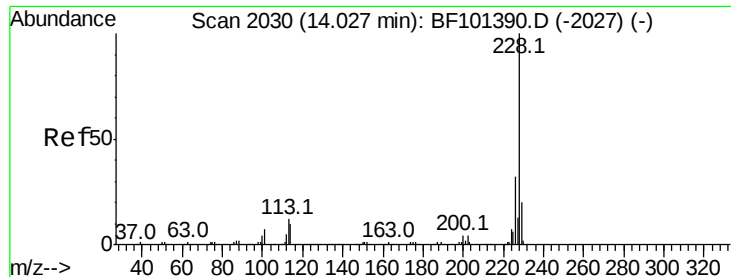


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 14.263 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HALSTED-WWMS

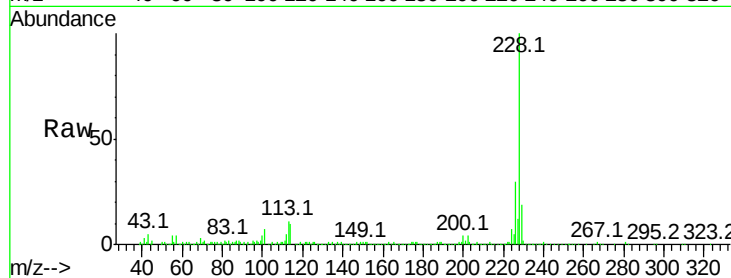
Tot Ion:228 Resp: 259836

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

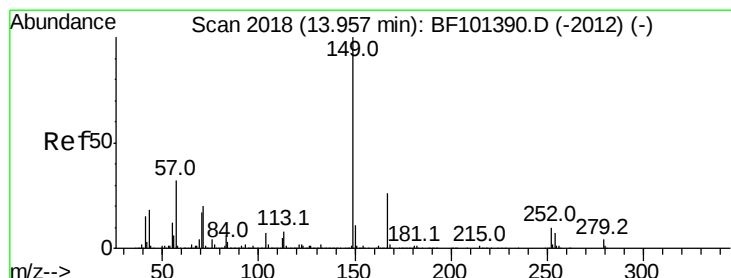
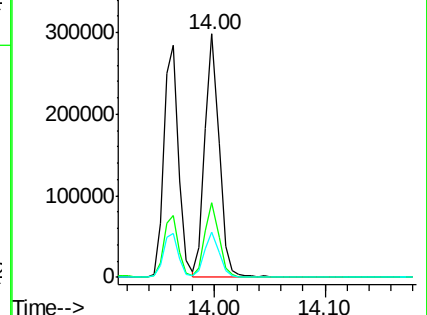
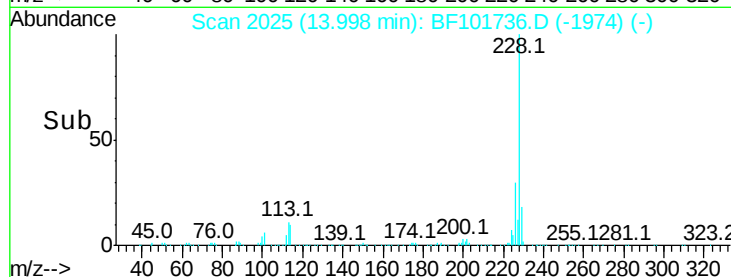
229 18.6 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 21.821 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

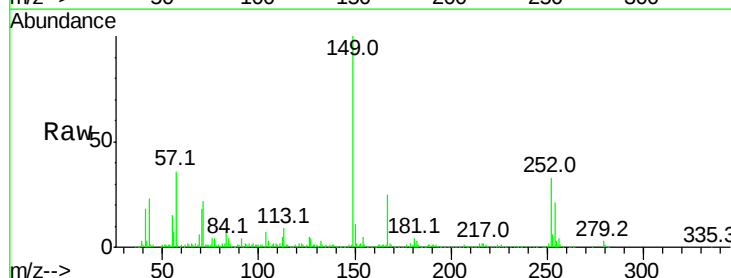
Tgt Ion:149 Resp: 274248

Ion Ratio Lower Upper

149 100

167 24.6 21.3 31.9

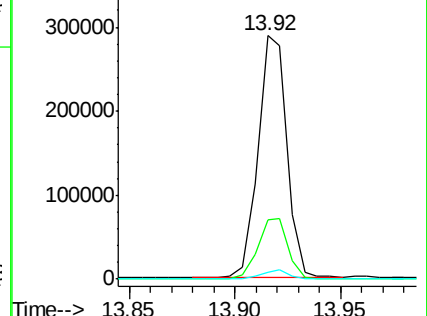
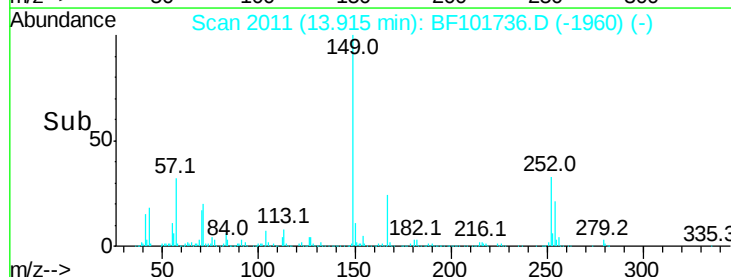
279 3.0 3.0 4.4

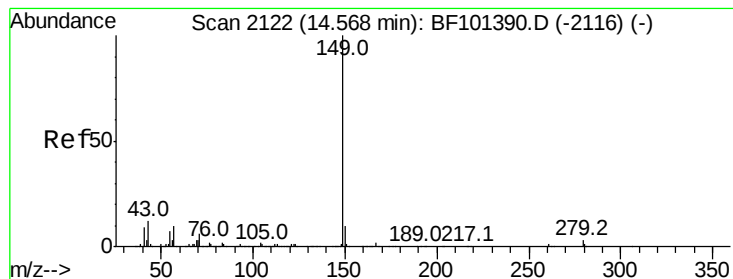


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 20.251 ng

RT: 14.53 min Scan# 2115

Delta R.T. -0.00 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

Instrument :

BNA_F

ClientSampleId :

HALSTED-WWMS

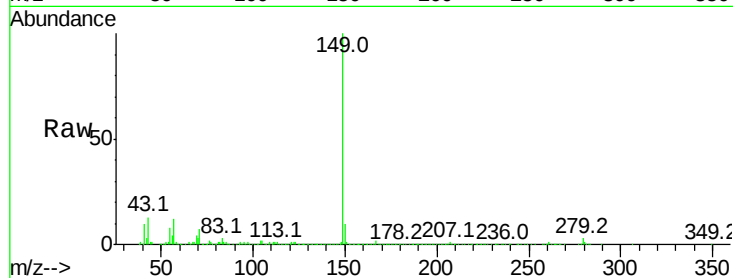
Tot Ion:149 Resp: 453910

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

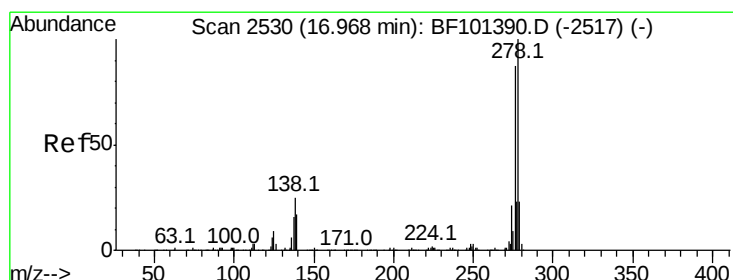
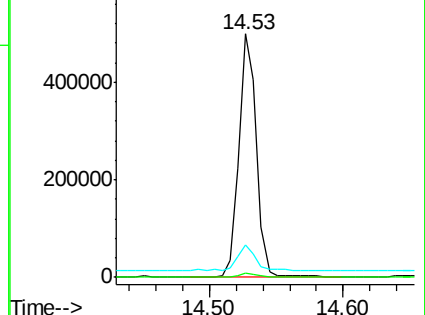
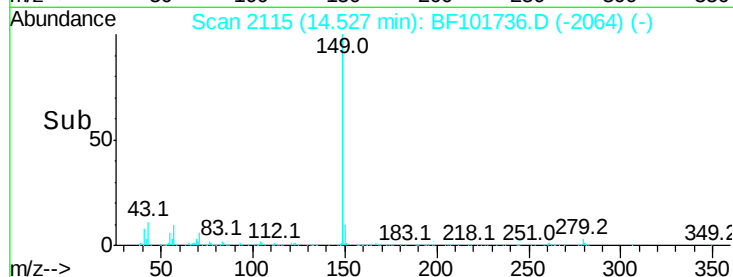
43 11.1 8.4 12.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.237 ng

RT: 16.93 min Scan# 2524

Delta R.T. 0.02 min

Lab File: BF101736.D

Acq: 27 Dec 2017 1:34

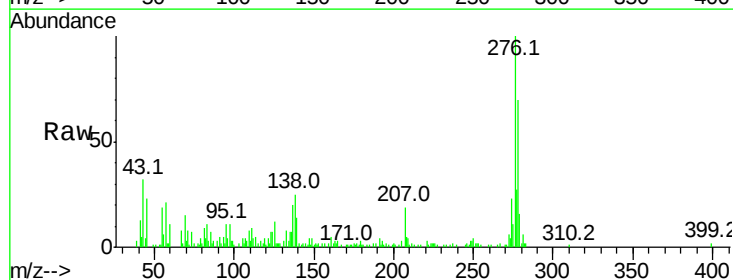
Tgt Ion:276 Resp: 68739

Ion Ratio Lower Upper

276 100

138 28.3 25.0 37.6

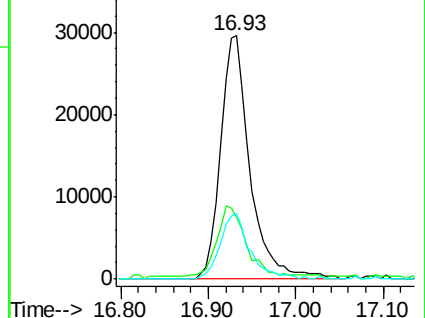
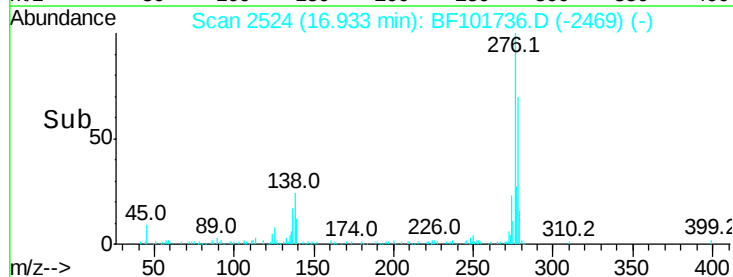
277 27.1 20.1 30.1

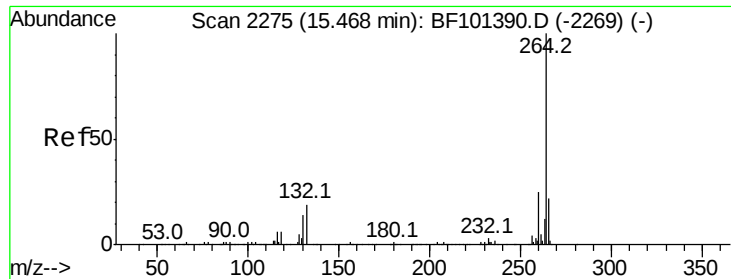


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

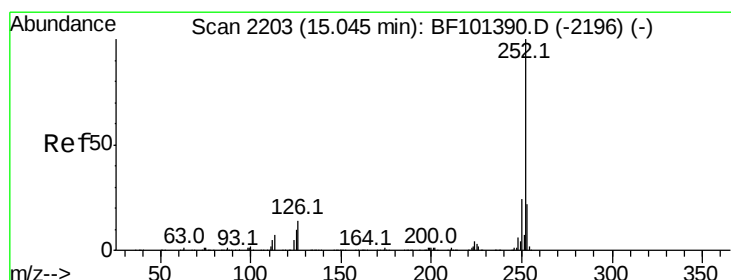
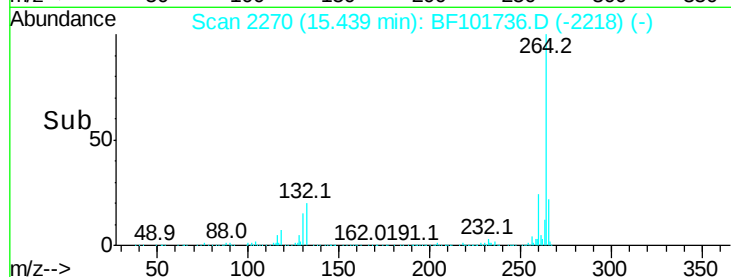
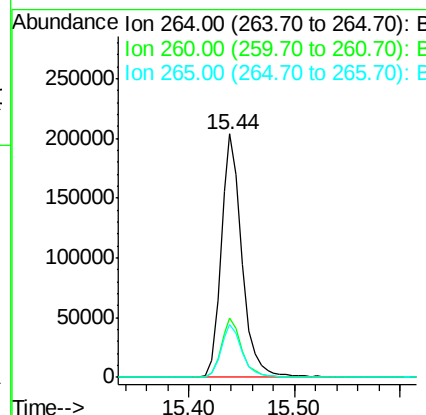
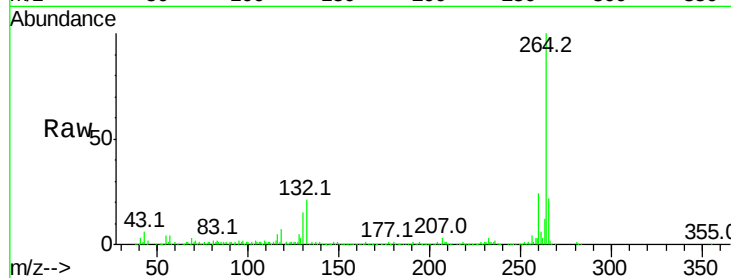




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101736.D
Acq: 27 Dec 2017 1:34

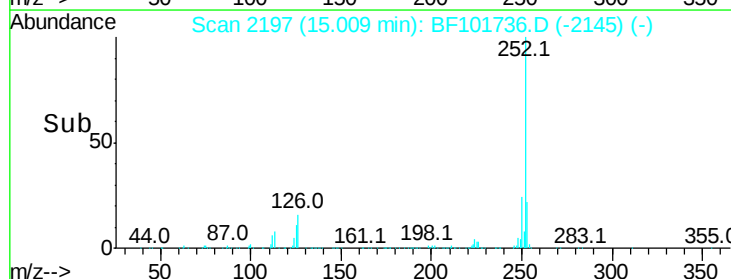
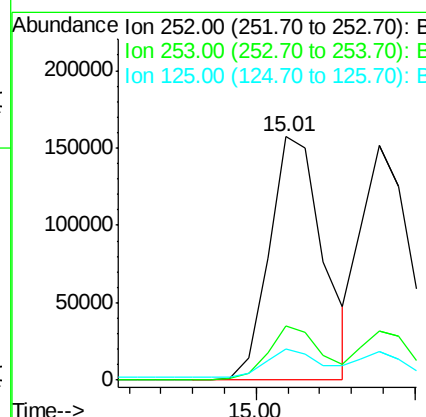
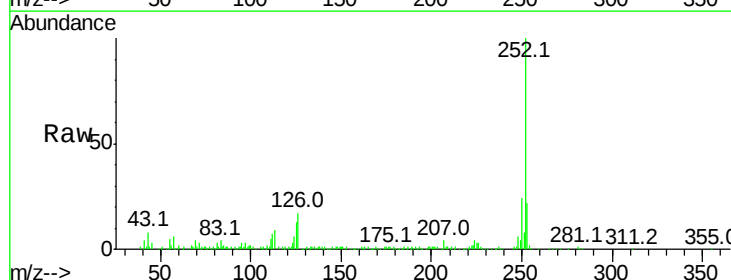
Instrument :
BNA_F
ClientSampleId :
HALSTED-WWMS

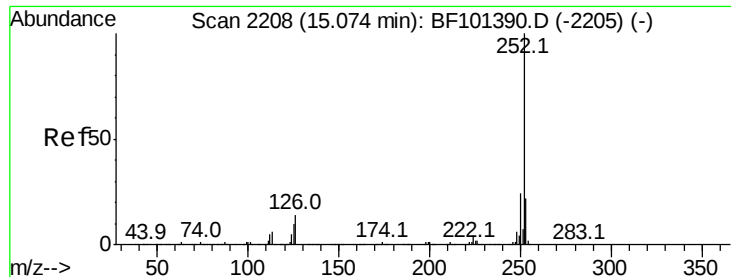
Tot Ion:264 Resp: 280723
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 21.8 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 10.838 ng
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF101736.D
Acq: 27 Dec 2017 1:34

Tgt Ion:252 Resp: 185442
Ion Ratio Lower Upper
252 100
253 22.1 17.0 25.6
125 12.7 9.0 13.6

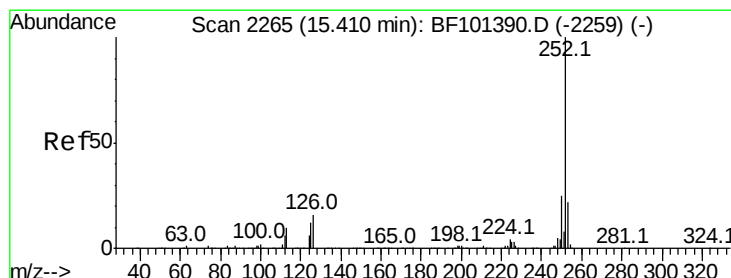
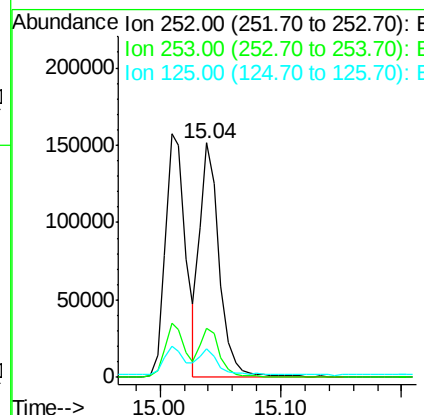
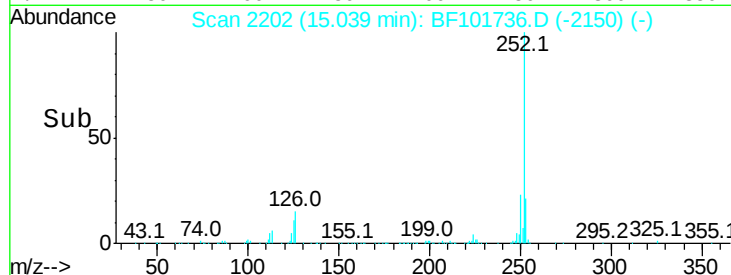
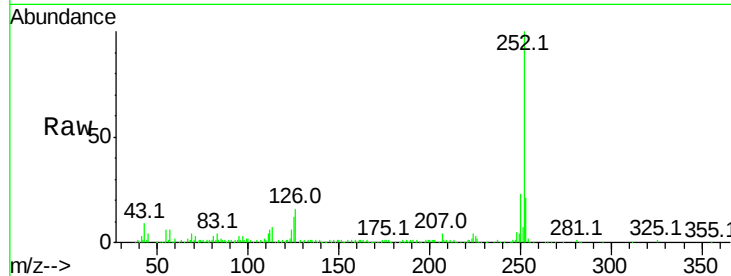




#88
Benzo(k)fluoranthene
Concen: 10.137 ng
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF101736.D
Acq: 27 Dec 2017 1:34

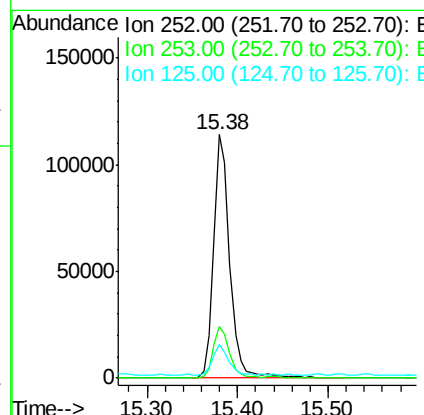
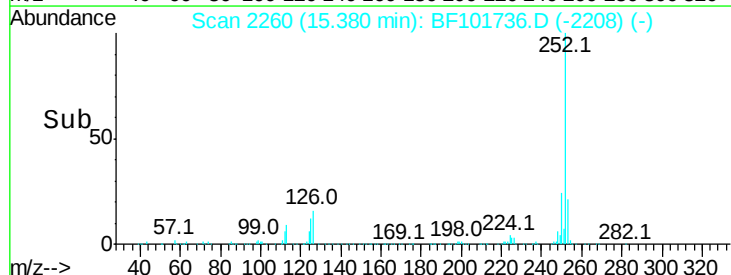
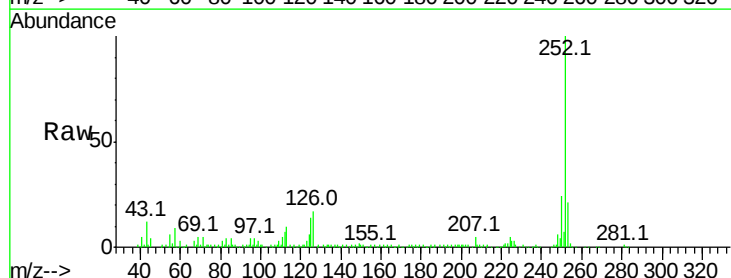
Instrument :
BNA_F
ClientSampleId :
HALSTED-WWMS

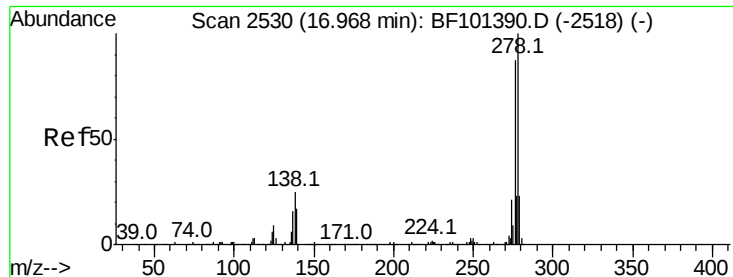
Tot Ion:252 Resp: 168634
Ion Ratio Lower Upper
252 100
253 21.0 17.9 26.9
125 12.2 10.2 15.2



#89
Benzo(a)pyrene
Concen: 9.117 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF101736.D
Acq: 27 Dec 2017 1:34

Tgt Ion:252 Resp: 143805
Ion Ratio Lower Upper
252 100
253 21.3 17.1 25.7
125 13.9 9.8 14.6

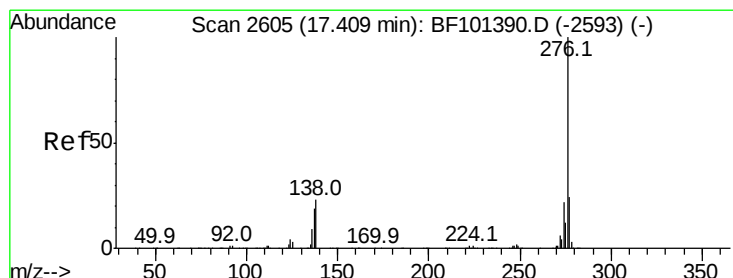
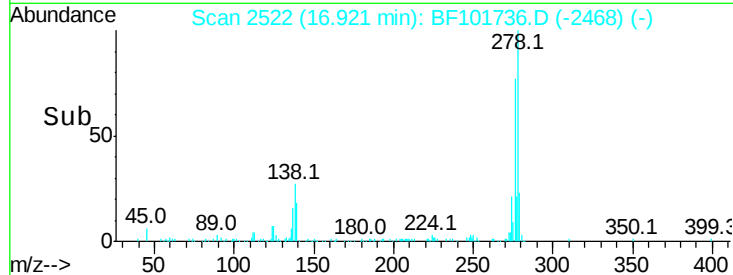
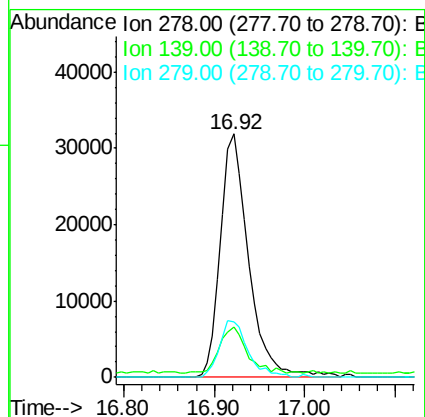
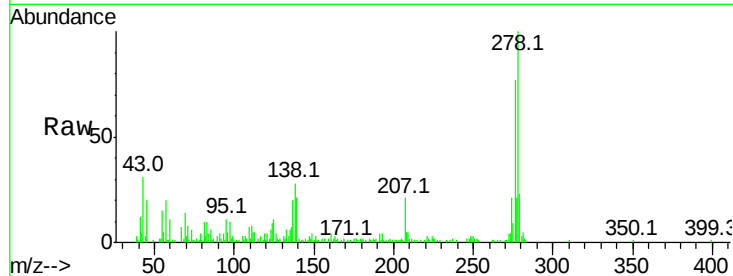




#90
Dibenzo(a,h)anthracene
Concen: 5.114 ng
RT: 16.92 min Scan# 2522
Delta R.T. 0.02 min
Lab File: BF101736.D
Acq: 27 Dec 2017 1:34

Instrument :
BNA_F
ClientSampleId :
HALSTED-WWMS

Tot Ion:278 Resp: 69262
Ion Ratio Lower Upper
278 100
139 20.7 15.9 23.9
279 22.9 19.0 28.4



#91
Benzo(g,h,i)perylene
Concen: 3.947 ng
RT: 17.39 min Scan# 2602
Delta R.T. 0.04 min
Lab File: BF101736.D
Acq: 27 Dec 2017 1:34

Tgt Ion:276 Resp: 52937
Ion Ratio Lower Upper
276 100
277 23.1 17.9 26.9
138 22.5 21.8 32.8

