

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091517\
 Data File : BF098578.D
 Acq On : 15 Sep 2017 19:36
 Operator : SJ/JU
 Sample : I5229-06MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UT5400S16MSD

Quant Time: Sep 16 01:49:27 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	141805	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	594054	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	275302	20.00	ng	-0.02
63) Phenanthrene-d10	11.17	188	538280	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	387198	20.00	ng	-0.01
86) Perylene-d12	15.20	264	306191	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	972695	101.42	ng	-0.01
7) Phenol-d6	6.30	99	1215625	99.83	ng	-0.02
23) Nitrobenzene-d5	7.22	82	740002	69.45	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	234421	127.58	ng	-0.02
44) 2-Fluorobiphenyl	9.01	172	1143628	70.41	ng	-0.02
78) Terphenyl-d14	12.75	244	1161572	64.75	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.31	88	121665	24.578	ng	89
3) Pyridine	3.00	79	247449	18.823	ng	88
4) n-Nitrosodimethylamine	2.95	42	180999	28.083	ng	99
6) Aniline	6.31	93	325969	21.337	ng	# 29
8) 2-Chlorophenol	6.43	128	360922	34.222	ng	97
9) Benzaldehyde	6.19	77	179077	22.496	ng	96
10) Phenol	6.32	94	471768	33.354	ng	83
11) bis(2-Chloroethyl)ether	6.39	93	330970	31.036	ng	95
12) 1,3-Dichlorobenzene	6.58	146	355331	33.474	ng	97
13) 1,4-Dichlorobenzene	6.66	146	362691	33.356	ng	95
14) 1,2-Dichlorobenzene	6.82	146	337774	34.097	ng	97
15) Benzyl Alcohol	6.80	79	310842	38.355	ng	95
16) 2,2'-oxybis(1-Chloropropan	6.93	45	511152	29.131	ng	51
17) 2-Methylphenol	6.92	107	300445	34.936	ng	# 87
18) Hexachloroethane	7.15	117	132708	31.870	ng	# 86
19) n-Nitroso-di-n-propylamine	7.07	70	253094	33.042	ng	98
20) 3+4-Methylphenols	7.07	107	398261	36.697	ng	# 67
22) Acetophenone	7.06	105	514662	33.520	ng	# 89
24) Nitrobenzene	7.23	77	382759	31.535	ng	98
25) Isophorone	7.47	82	685100	31.777	ng	98
26) 2-Nitrophenol	7.55	139	194576	39.704	ng	# 83
27) 2,4-Dimethylphenol	7.60	122	313127	33.518	ng	93
28) bis(2-Chloroethoxy)methane	7.69	93	434820	33.053	ng	99
29) 2,4-Dichlorophenol	7.80	162	301855	38.850	ng	95
30) 1,2,4-Trichlorobenzene	7.87	180	306894	36.311	ng	99
31) Naphthalene	7.95	128	1021759	34.792	ng	99
32) Benzoic acid	7.75	122	129685	25.227	ng	98
33) 4-Chloroaniline	8.01	127	295940	24.795	ng	97
34) Hexachlorobutadiene	8.06	225	156017	35.958	ng	98
35) Caprolactam	8.39	113	50975	19.026	ng	88
36) 4-Chloro-3-methylphenol	8.51	107	346609	35.971	ng	85
37) 2-Methylnaphthalene	8.65	142	676287	38.017	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.81	216	288098	33.595	ng	99
40) Hexachlorocyclopentadiene	8.79	237	130434	55.387	ng	98

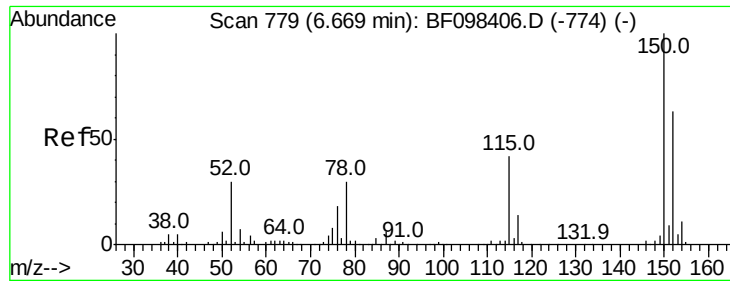
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.93	196	196177	38.947	nq	94
43) 2,4,5-Trichlorophenol	8.98	196	207548	39.422	nq	90
45) 1,1'-Biphenyl	9.11	154	819990	33.277	nq	98
46) 2-Chloronaphthalene	9.13	162	628680	35.724	nq	94
47) 2-Nitroaniline	9.24	65	233608	34.586	nq	99
48) Acenaphthylene	9.55	152	930927	35.578	nq	99
49) Dimethylphthalate	9.42	163	971412	45.583	nq	99
50) 2,6-Dinitrotoluene	9.48	165	172425	39.389	nq #	74
51) Acenaphthene	9.72	154	590182	35.483	nq	98
52) 3-Nitroaniline	9.65	138	150546	28.490	nq	96
53) 2,4-Dinitrophenol	9.77	184	149802	73.206	nq #	68
54) Dibenzofuran	9.89	168	841323	38.396	nq	97
55) 4-Nitrophenol	9.84	139	197650	65.104	nq #	47
56) 2,4-Dinitrotoluene	9.89	165	222835	41.872	nq #	66
57) Fluorene	10.23	166	670167	36.951	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.02	232	158162	44.701	nq #	91
59) Diethylphthalate	10.12	149	744009	36.710	nq	97
60) 4-Chlorophenyl-phenylether	10.22	204	319277	38.113	nq	91
61) 4-Nitroaniline	10.27	138	194107	36.374	nq	85
62) Azobenzene	10.39	77	719791	32.952	nq	95
64) 4,6-Dinitro-2-methylphenol	10.30	198	118331	37.099	nq #	75
65) n-Nitrosodiphenylamine	10.34	169	616023	35.245	nq	98
66) 4-Bromophenyl-phenylether	10.71	248	189053	37.006	nq	95
67) Hexachlorobenzene	10.78	284	190027	36.671	nq #	91
68) Atrazine	10.88	200	201235	37.398	nq	98
69) Pentachlorophenol	10.99	266	147199	65.543	nq	97
70) Phenanthrene	11.19	178	1030856	36.125	nq	98
71) Anthracene	11.24	178	1051228	35.881	nq	98
72) Carbazole	11.40	167	953949	34.938	nq	99
73) Di-n-butylphthalate	11.73	149	1152073	35.216	nq	99
74) Fluoranthene	12.38	202	1059921	37.104	nq	96
76) Benzidine	12.50	184	145395	8.485	nq #	91
77) Pyrene	12.60	202	1096912	35.912	nq	99
79) Butylbenzylphthalate	13.23	149	481725	36.354	nq #	85
80) Benzo(a)anthracene	13.79	228	811488	35.747	nq	98
81) 3,3'-Dichlorobenzidine	13.76	252	213956	24.252	nq #	96
82) Chrysene	13.83	228	788844	34.377	nq	99
83) Bis(2-ethylhexyl)phthalate	13.79	149	638984	38.422	nq #	99
84) Di-n-octyl phthalate	14.39	149	1032396	36.182	nq	100
85) Indeno(1,2,3-cd)pyrene	16.55	276	594893	36.952	nq	95
87) Benzo(b)fluoranthene	14.81	252	666364	34.612	nq	98
88) Benzo(k)fluoranthene	14.84	252	666512	37.083	nq #	93
89) Benzo(a)pyrene	15.15	252	617255	35.988	nq	98
90) Dibenzo(a,h)anthracene	16.56	278	502356	40.263	nq	99
91) Benzo(g,h,i)perylene	16.95	276	493194	39.300	nq	94

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

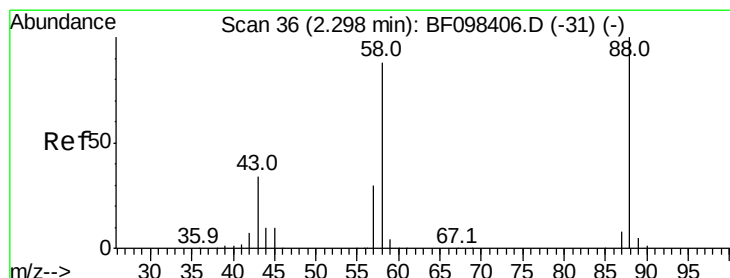
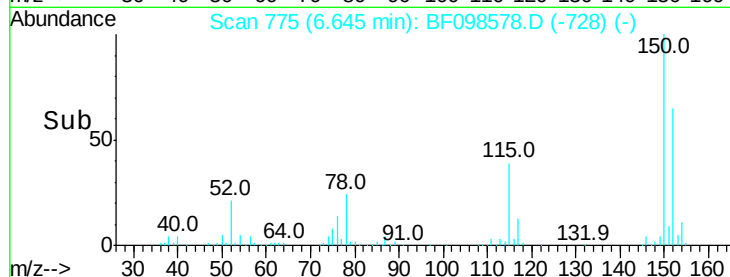
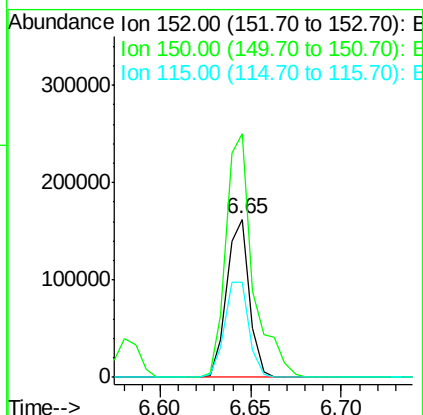
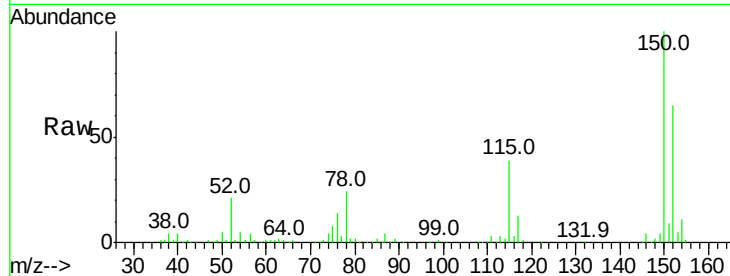


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.02 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

Instrument :
BNA_F
ClientSampleId :
UT5400S16MSD

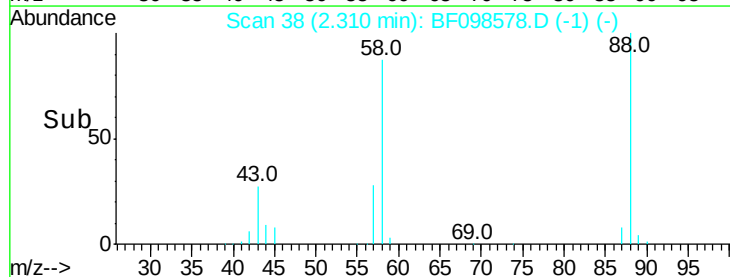
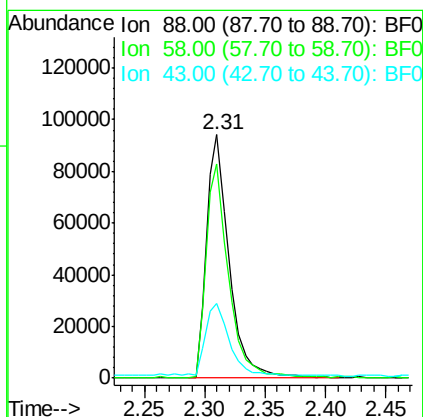
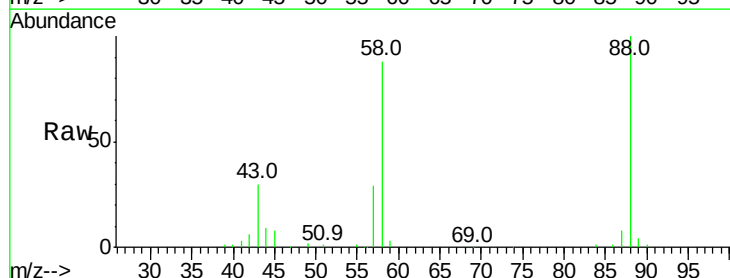
Tot Ion:152 Resp: 141805
Ion Ratio Lower Upper
152 100
150 153.7 126.2 189.2
115 59.9 52.2 78.2

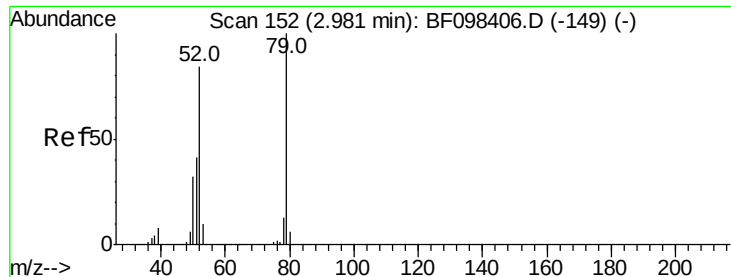


#2

1,4-Dioxane
Concen: 24.578 ng
RT: 2.31 min Scan# 38
Delta R.T. 0.01 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

Tgt Ion: 88 Resp: 121665
Ion Ratio Lower Upper
88 100
58 88.2 61.4 92.0
43 31.3 23.4 35.0





#3

Pvridine

Concen: 18.823 ng

RT: 3.00 min Scan# 155

Delta R.T. 0.02 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

Instrument :

BNA_F

ClientSampleId :

UT5400S16MSD

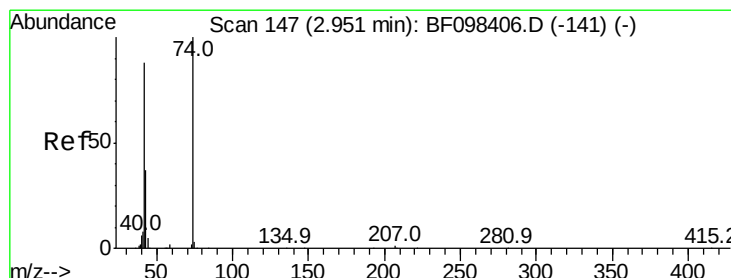
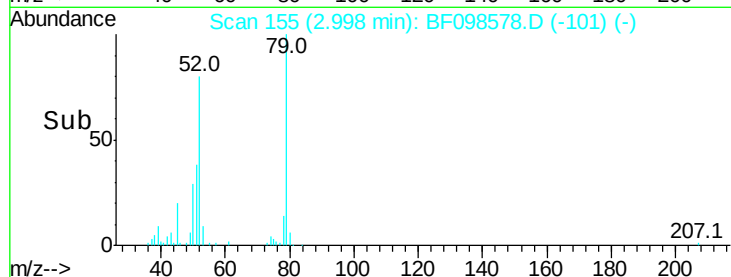
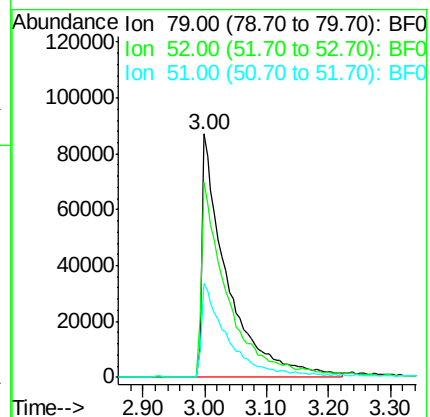
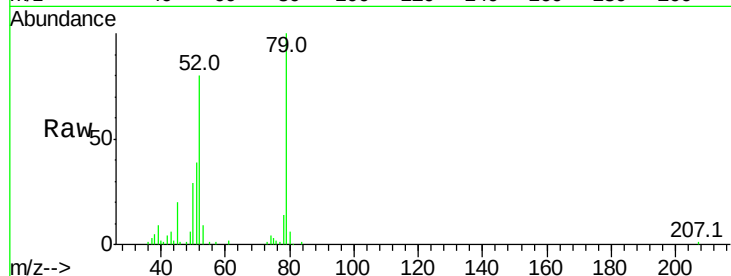
Tot Ion: 79 Resp: 247449

Ion Ratio Lower Upper

79 100

52 80.0 54.8 82.2

51 38.5 27.0 40.4



#4

n-Nitrosodimethylamine

Concen: 28.083 ng

RT: 2.95 min Scan# 147

Delta R.T. 0.00 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

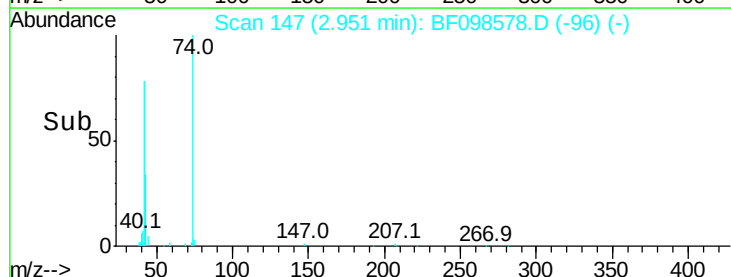
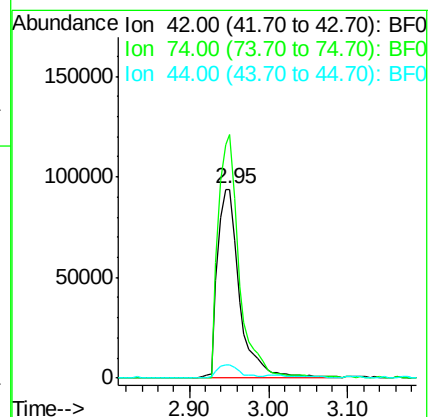
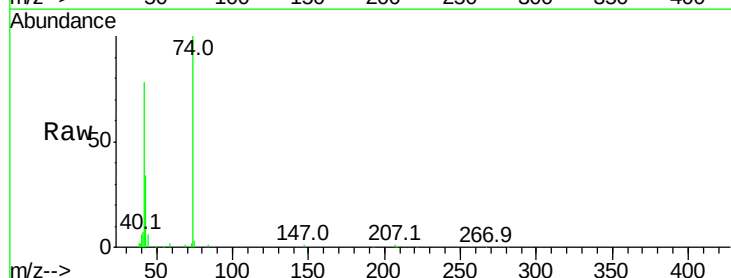
Tgt Ion: 42 Resp: 180999

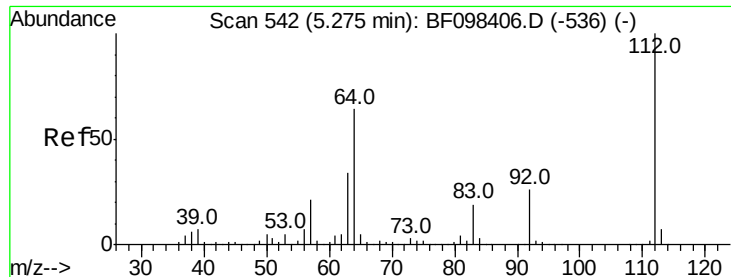
Ion Ratio Lower Upper

42 100

74 128.9 103.9 155.9

44 7.1 5.7 8.5





#5

2-Fluorophenol

Concen: 101.418 ng

RT: 5.26 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

Instrument :

BNA_F

ClientSampleId :

UT5400S16MSD

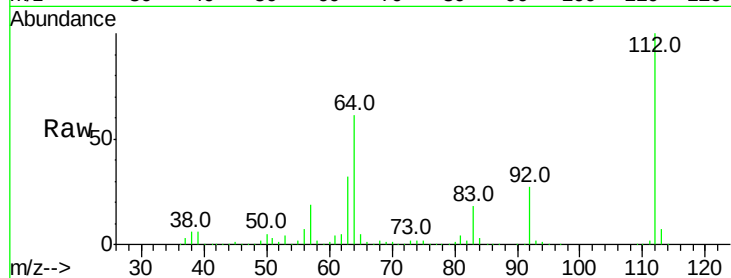
Tot Ion:112 Resp: 972695

Ion Ratio Lower Upper

112 100

64 61.4 46.0 69.0

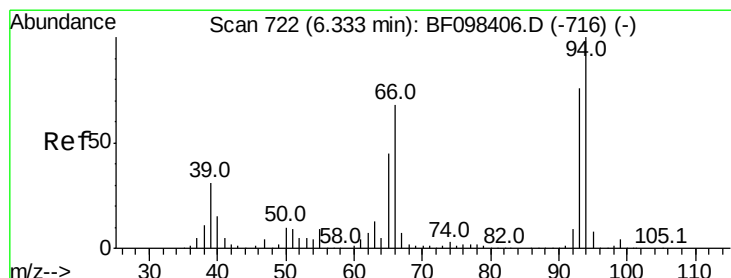
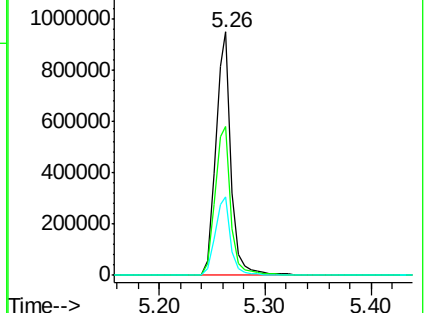
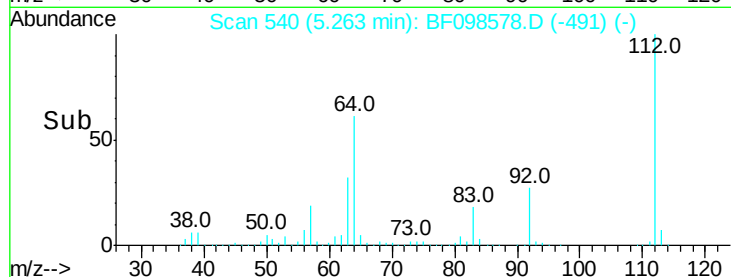
63 32.1 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 21.337 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.02 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

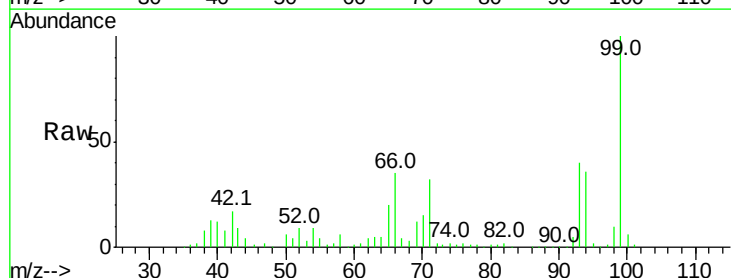
Tgt Ion: 93 Resp: 325969

Ion Ratio Lower Upper

93 100

66 87.5 32.9 49.3#

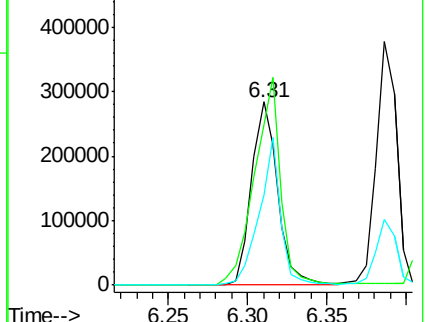
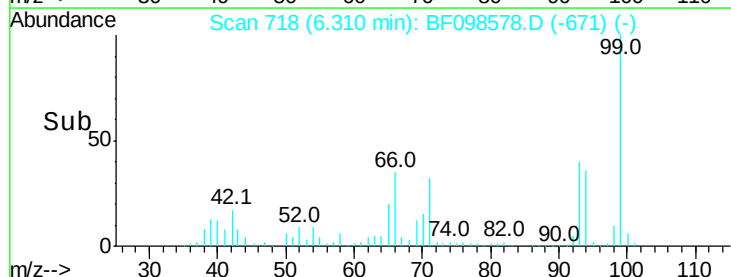
65 49.2 16.0 24.0#

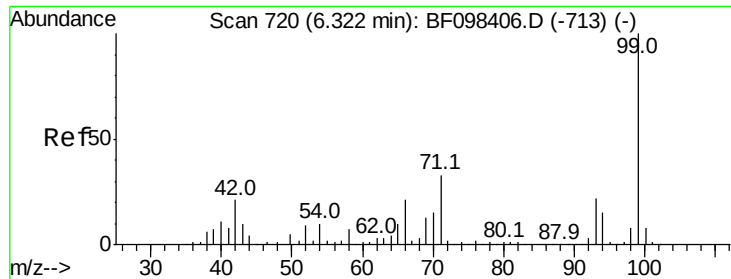


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 99.827 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.02 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

Instrument :

BNA_F

ClientSampleId :

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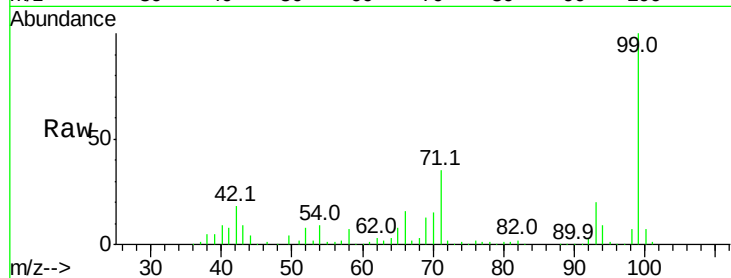
Tot Ion: 99 Resp: 1215625

Ion Ratio Lower Upper

99 100

42 18.1 13.5 20.3

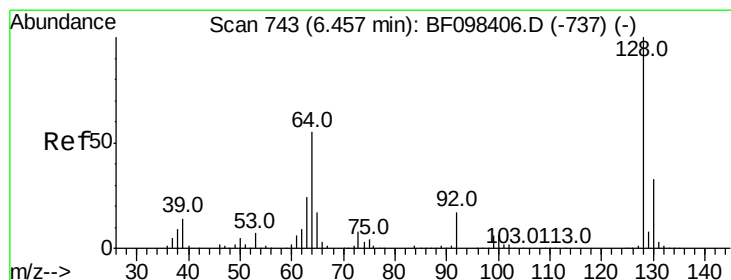
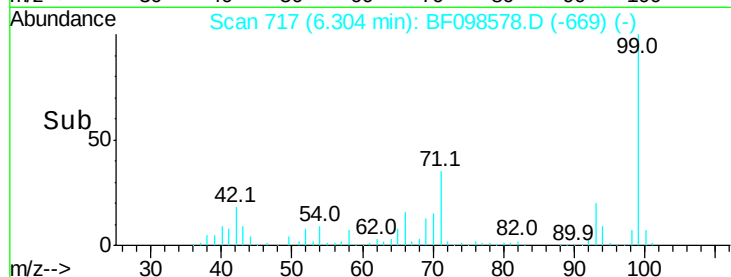
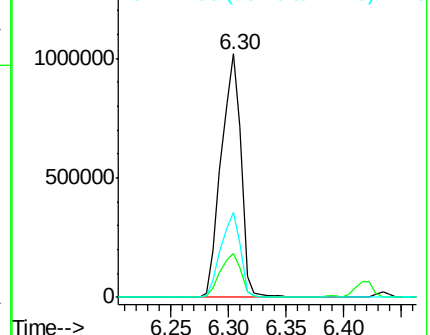
71 35.1 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 34.222 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.02 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

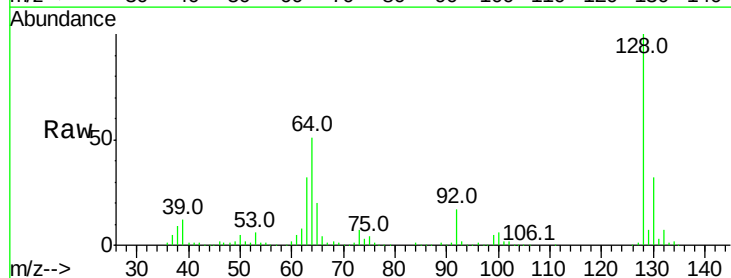
Tgt Ion: 128 Resp: 360922

Ion Ratio Lower Upper

128 100

130 32.5 12.9 52.9

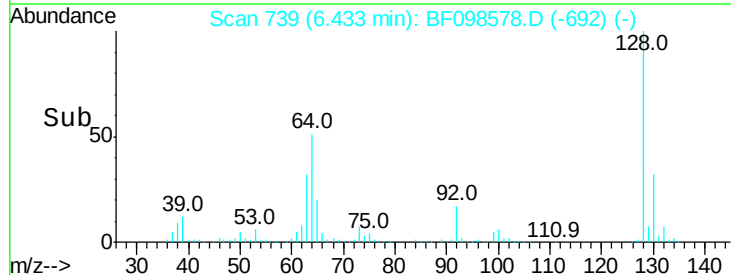
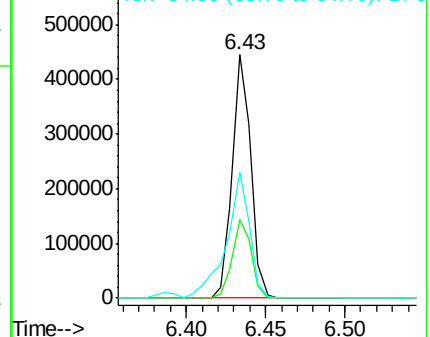
64 51.5 28.4 68.4

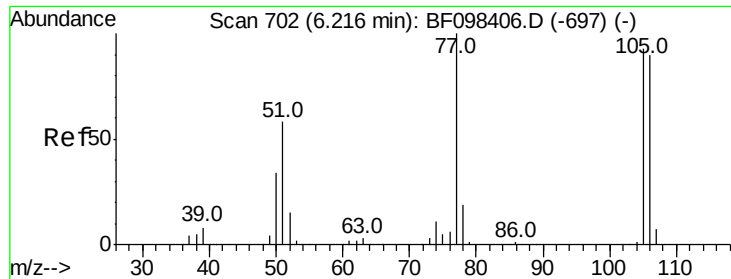


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0

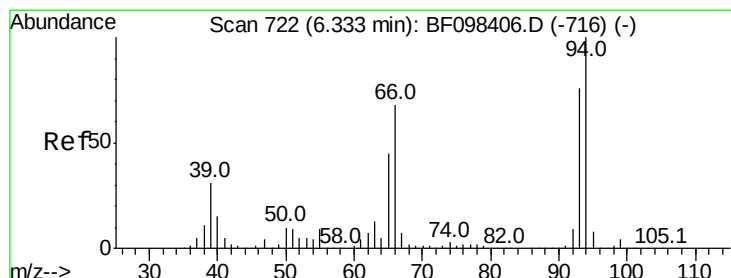
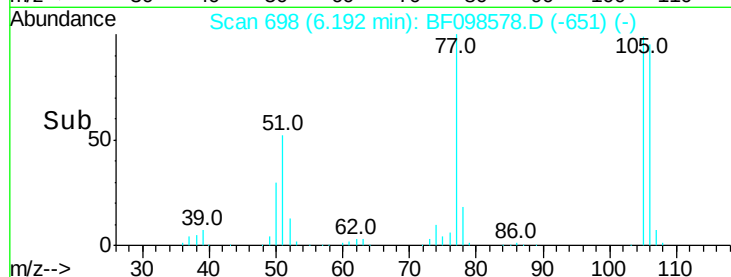
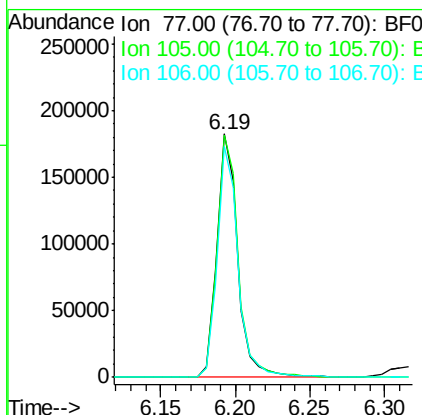
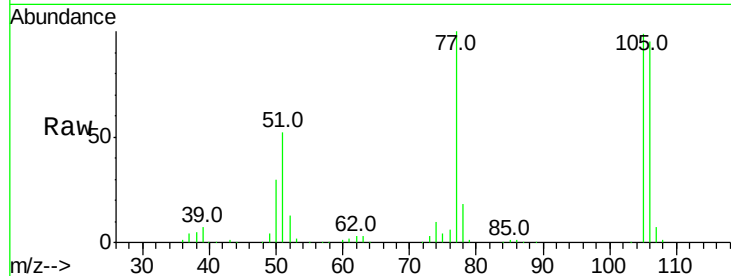




#9
Benzaldehyde
Concen: 22.496 ng
RT: 6.19 min Scan# 698
Delta R.T. -0.02 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

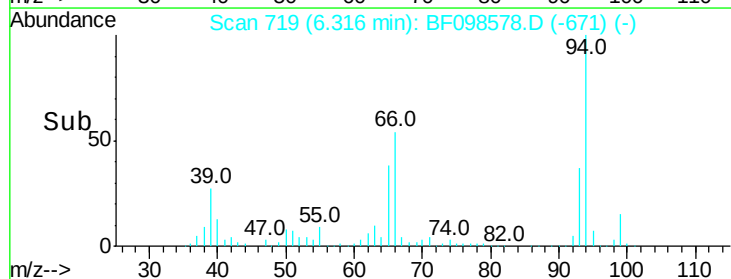
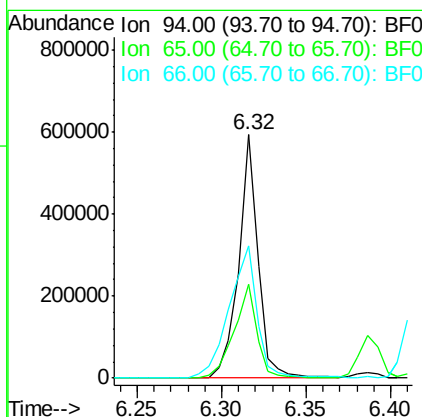
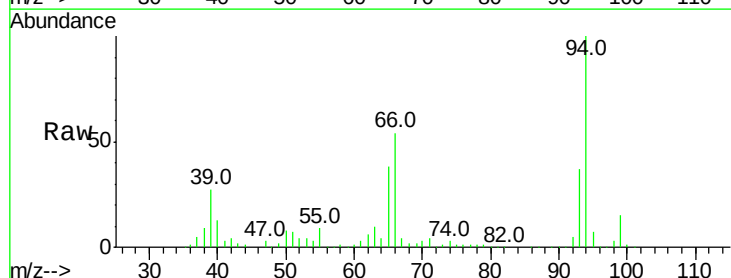
Instrument :
BNA_F
ClientSampleId :
UT5400S16MSD

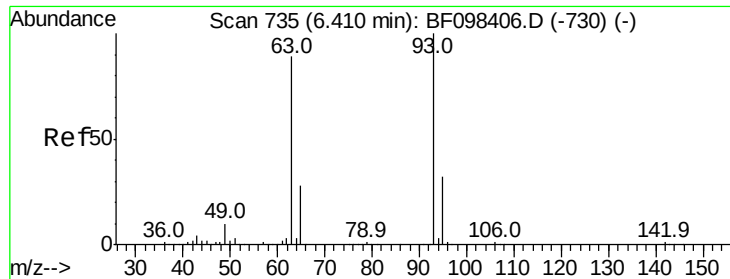
Tot Ion: 77 Resp: 179077
Ion Ratio Lower Upper
77 100
105 99.4 83.8 123.8
106 94.7 79.1 119.1



#10
Phenol
Concen: 33.354 ng
RT: 6.32 min Scan# 719
Delta R.T. -0.02 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

Tgt Ion: 94 Resp: 471768
Ion Ratio Lower Upper
94 100
65 38.4 9.9 49.9
66 54.1 23.1 63.1

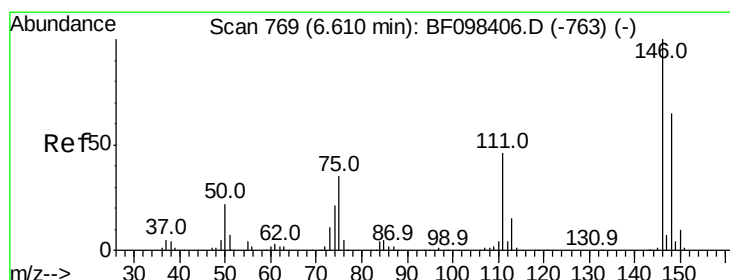
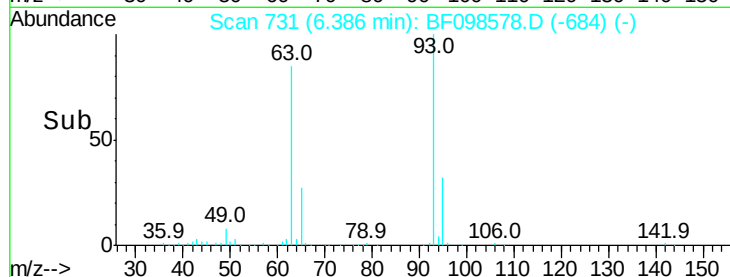
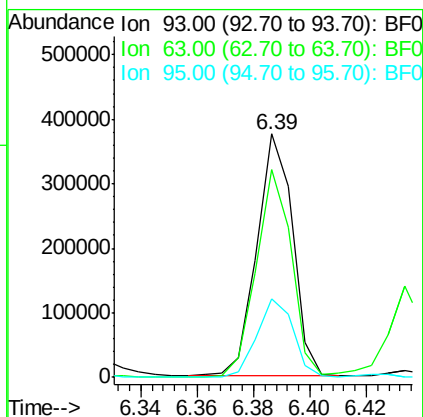
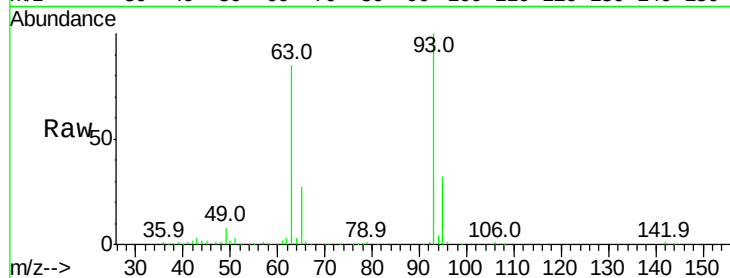




#11
bis(2-Chloroethyl)ether
Concen: 31.036 ng
RT: 6.39 min Scan# 731
Delta R.T. -0.02 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

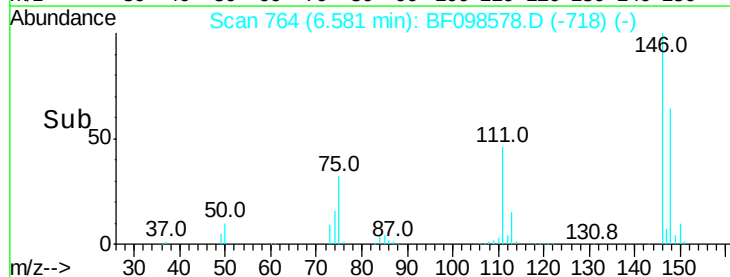
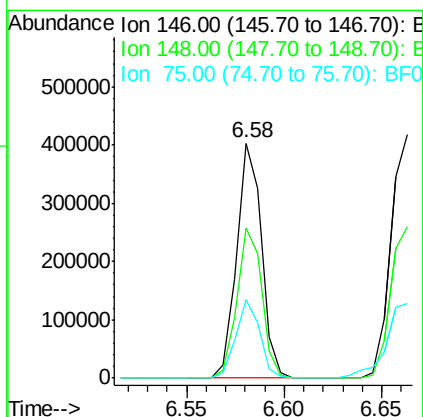
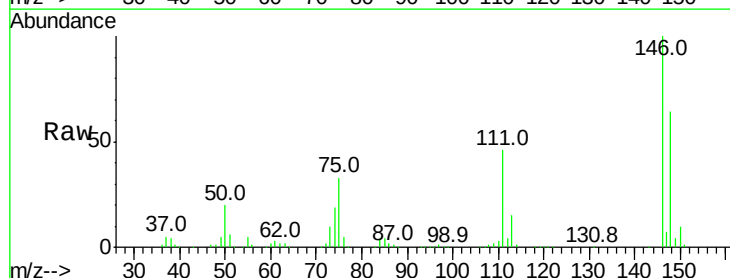
Instrument :
BNA_F
ClientSampleId :
UT5400S16MSD

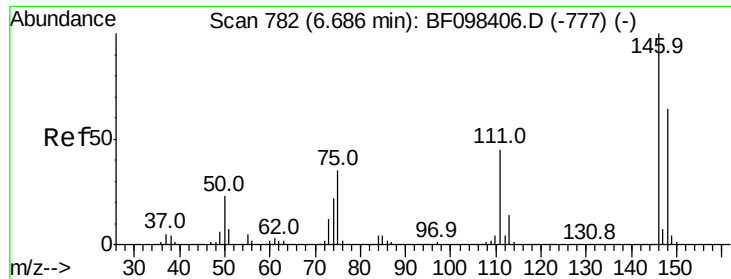
Tot Ion: 93 Resp: 330970
Ion Ratio Lower Upper
93 100
63 85.3 59.2 99.2
95 32.1 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 33.474 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.03 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

Tgt Ion: 146 Resp: 355331
Ion Ratio Lower Upper
146 100
148 63.8 51.8 77.6
75 33.3 23.1 34.7

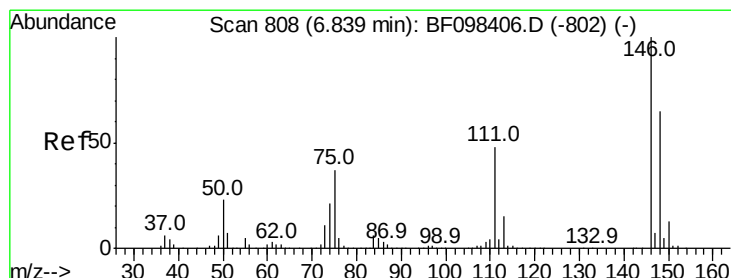
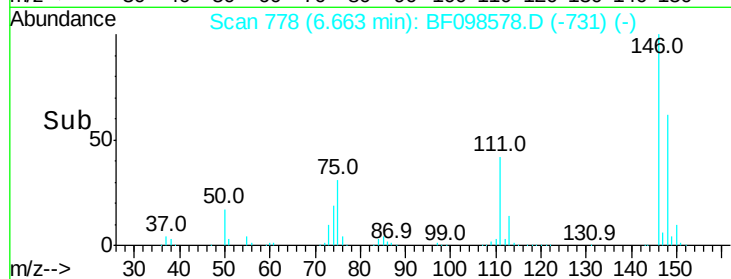
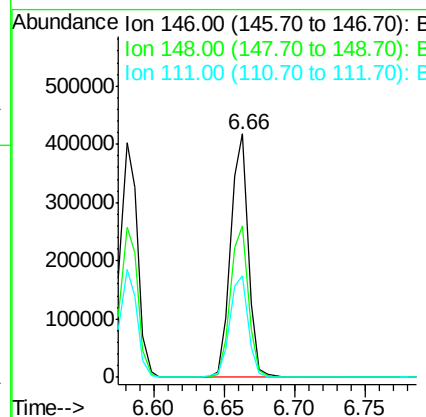
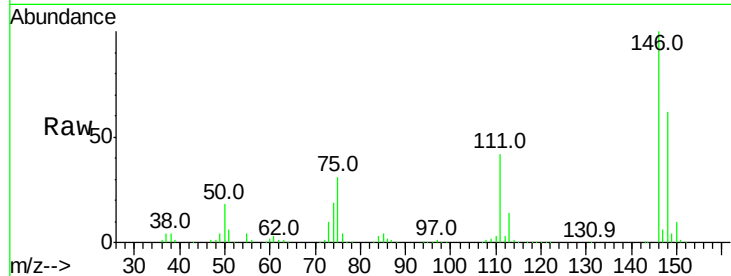




#13
 1,4-Dichlorobenzene
 Concen: 33.356 ng
 RT: 6.66 min Scan# 778
 Delta R.T. -0.02 min
 Lab File: BF098578.D
 Acq: 15 Sep 2017 19:36

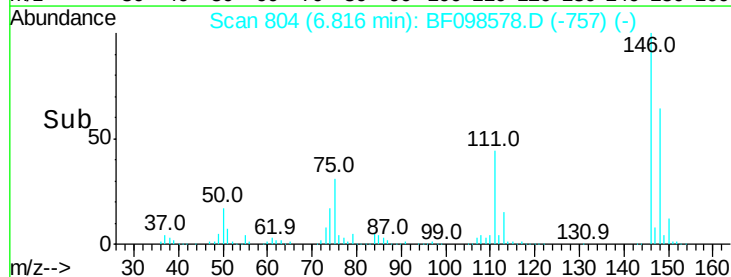
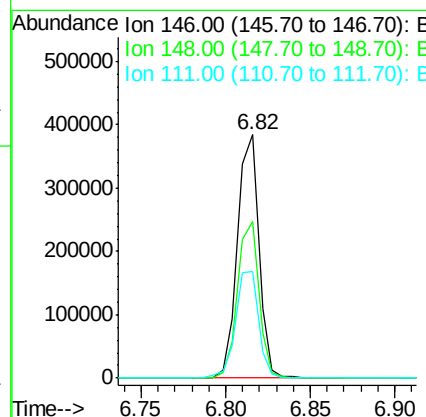
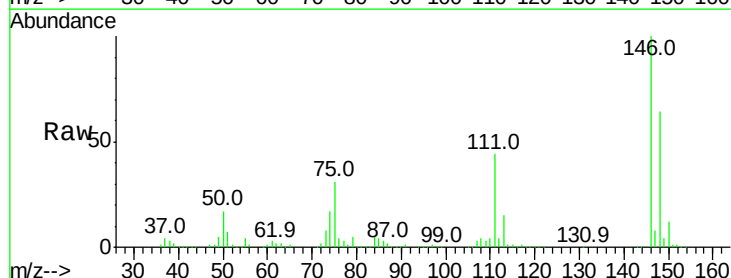
Instrument :
 BNA_F
 ClientSampleId :
 UT5400S16MSD

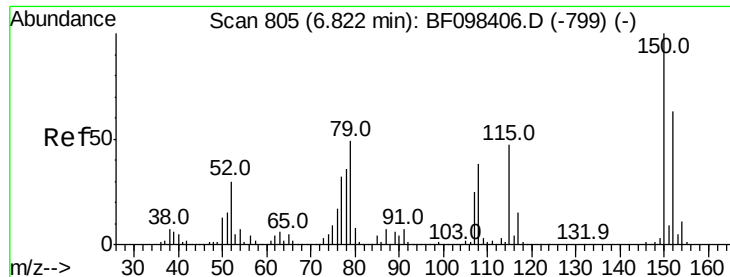
Tot Ion:146 Resp: 362691
 Ion Ratio Lower Upper
 146 100
 148 62.5 52.2 78.2
 111 41.9 30.3 45.5



#14
 1,2-Dichlorobenzene
 Concen: 34.097 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.02 min
 Lab File: BF098578.D
 Acq: 15 Sep 2017 19:36

Tgt Ion:146 Resp: 337774
 Ion Ratio Lower Upper
 146 100
 148 64.1 50.4 75.6
 111 44.0 38.2 57.4

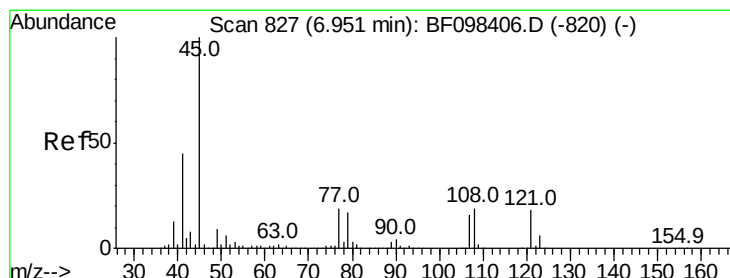
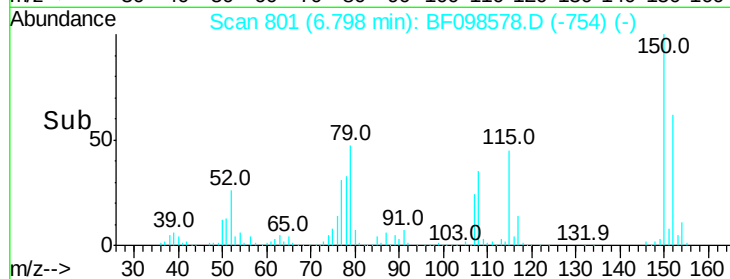
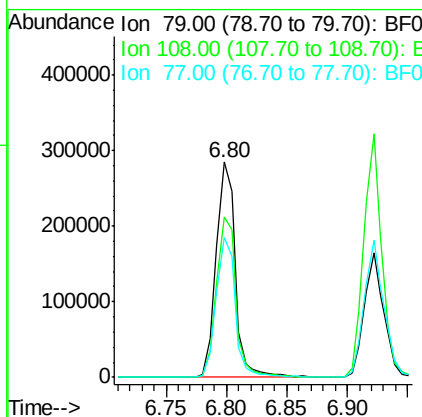
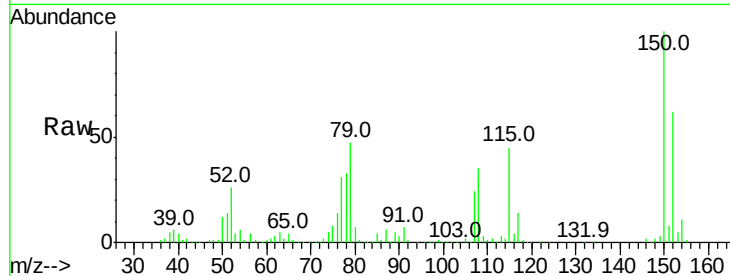




#15
Benzyl Alcohol
Concen: 38.355 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.02 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

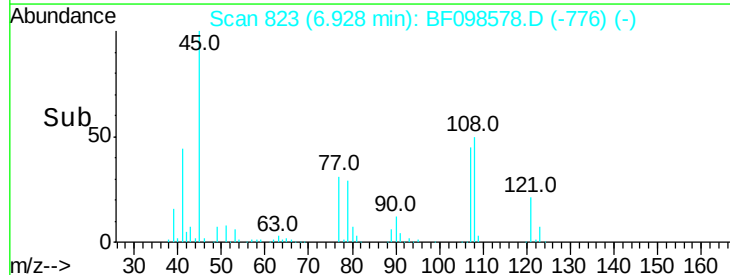
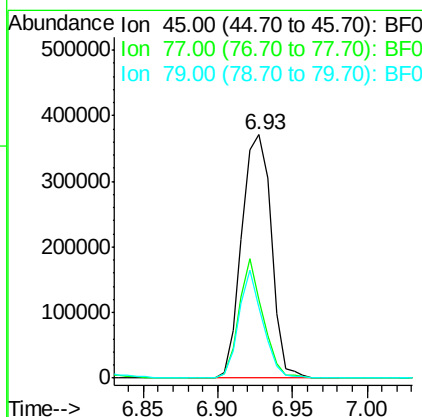
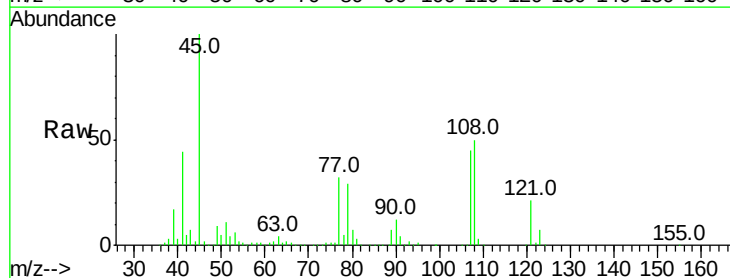
Instrument :
BNA_F
ClientSampleId :
UT5400S16MSD

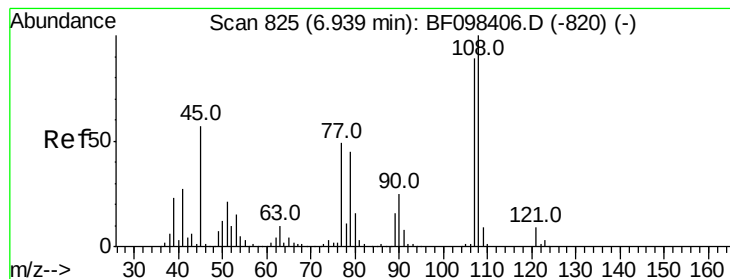
Tot Ion: 79 Resp: 310842
Ion Ratio Lower Upper
79 100
108 74.4 63.4 95.0
77 64.8 49.2 73.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 29.131 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.02 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

Tgt Ion: 45 Resp: 511152
Ion Ratio Lower Upper
45 100
77 32.1 0.0 33.2
79 29.2 0.0 30.0

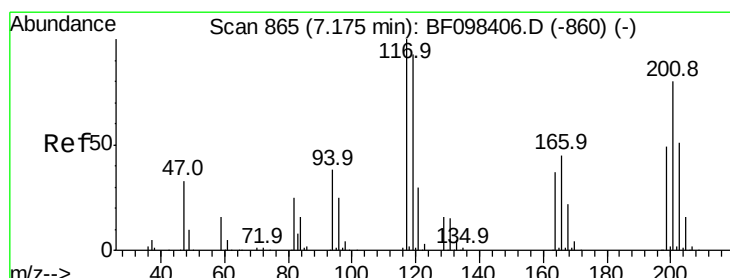
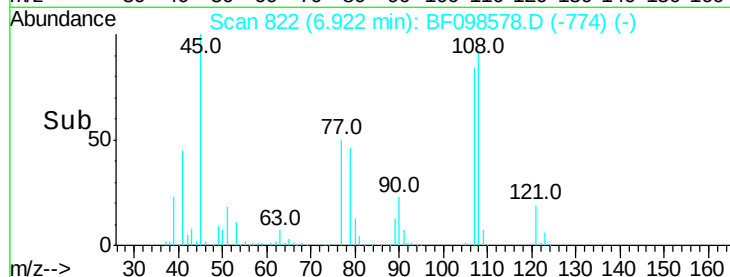
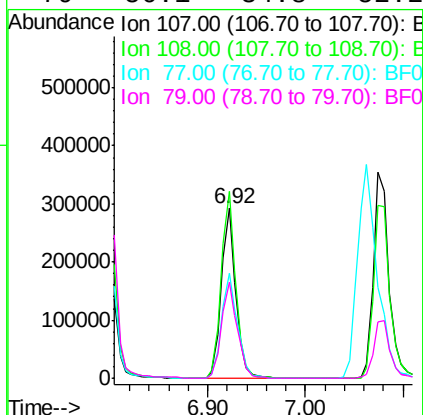
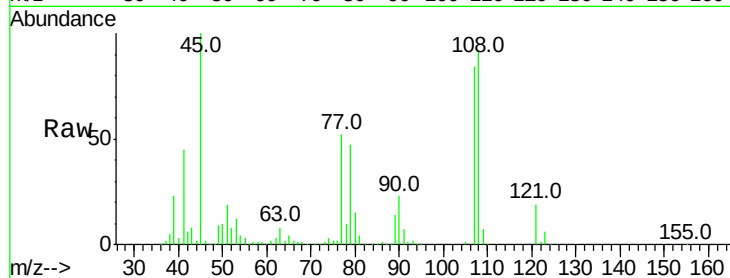




#17
2-Methylphenol
Concen: 34.936 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.02 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

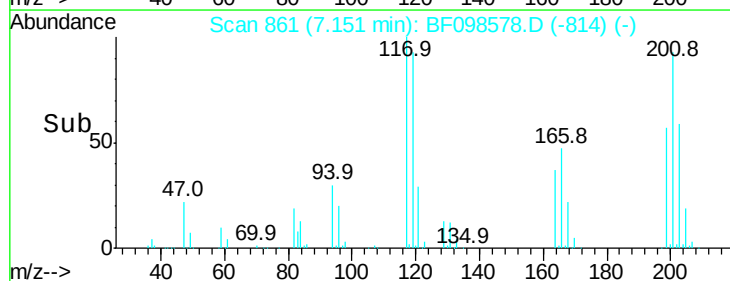
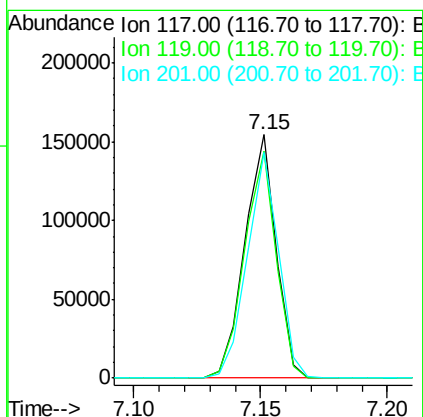
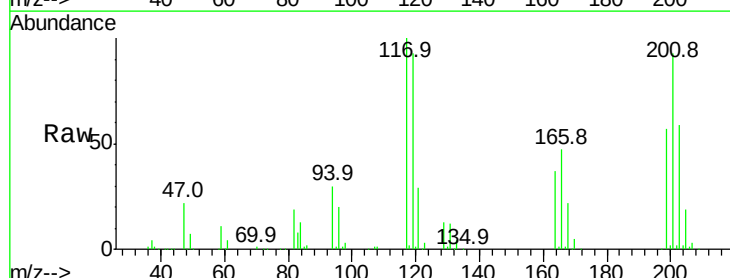
Instrument :
BNA_F
ClientSampleId :
UT5400S16MSD

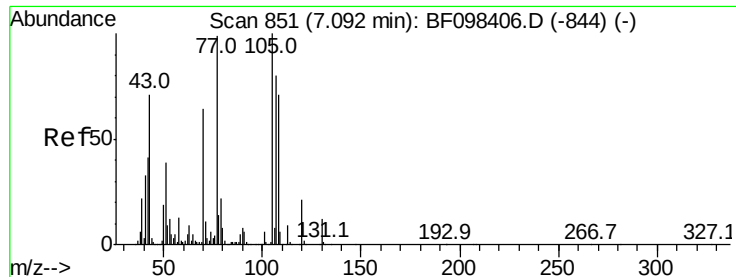
Tot Ion:107 Resp: 300445
Ion Ratio Lower Upper
107 100
108 110.0 93.4 140.0
77 61.9 35.8 53.6#
79 56.1 34.8 52.2#



#18
Hexachloroethane
Concen: 31.870 ng
RT: 7.15 min Scan# 861
Delta R.T. -0.02 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

Tgt Ion:117 Resp: 132708
Ion Ratio Lower Upper
117 100
119 93.1 77.4 116.0
201 92.5 94.6 141.8#

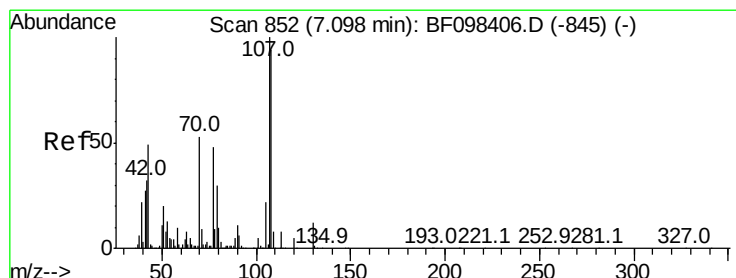
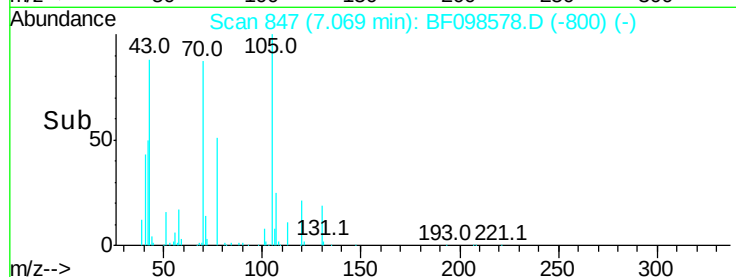
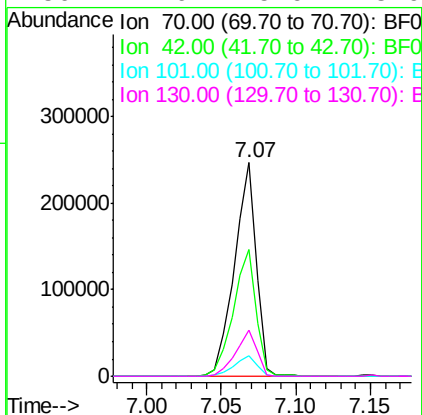
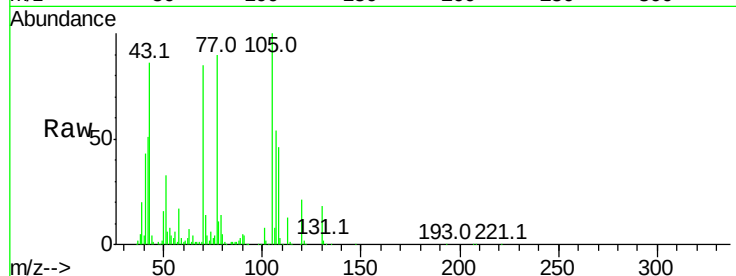




#19
n-Nitroso-di-n-propylamine
Concen: 33.042 ng
RT: 7.07 min Scan# 847
Delta R.T. -0.02 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

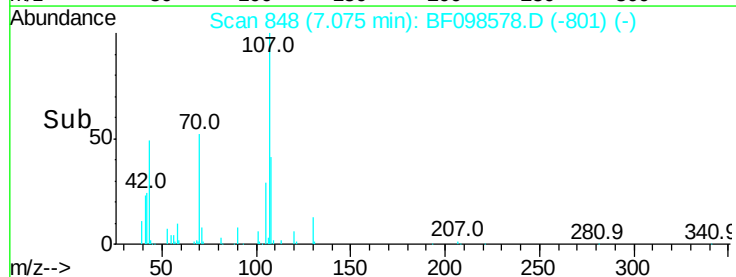
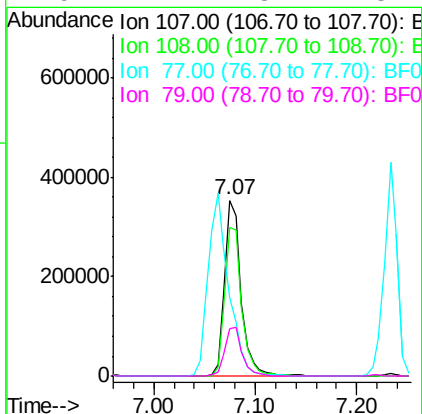
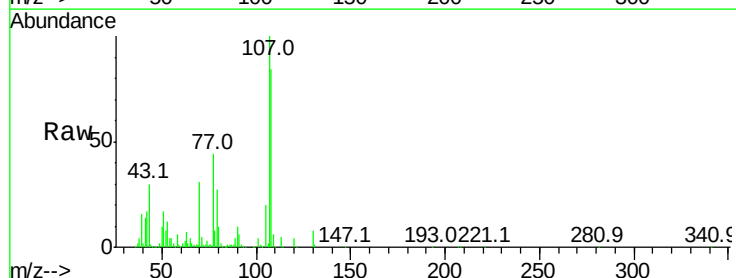
Instrument :
BNA_F
ClientSampleId :
UT5400S16MSD

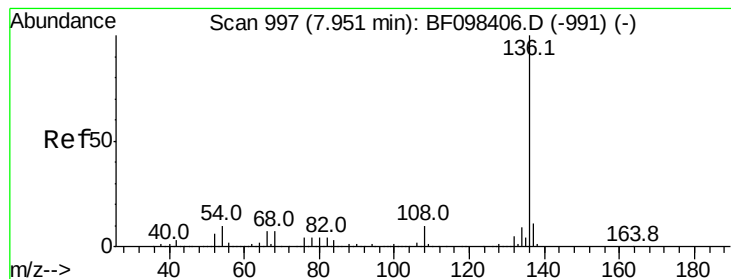
Tot Ion:	70	Resp:	253094
Ion	Ratio	Lower	Upper
70	100		
42	59.6	47.2	70.8
101	9.7	7.2	10.8
130	21.6	15.9	23.9



#20
3+4-Methylphenols
Concen: 36.697 ng
RT: 7.07 min Scan# 848
Delta R.T. -0.02 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

Tgt Ion:	107	Resp:	398261
Ion	Ratio	Lower	Upper
107	100		
108	84.3	71.0	111.0
77	44.2	90.5	130.5#
79	27.1	8.4	48.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.02 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

Instrument :

BNA_F

ClientSampleId :

UT5400S16MSD

Tot Ion:136 Resp: 594054

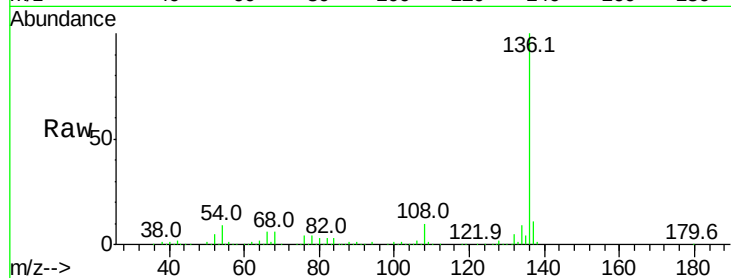
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 9.4 4.9 7.3#

68 6.2 4.1 6.1#

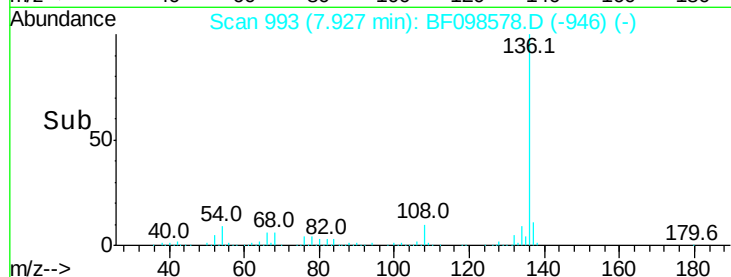


Abundance Ion 136.00 (135.70 to 136.70): E

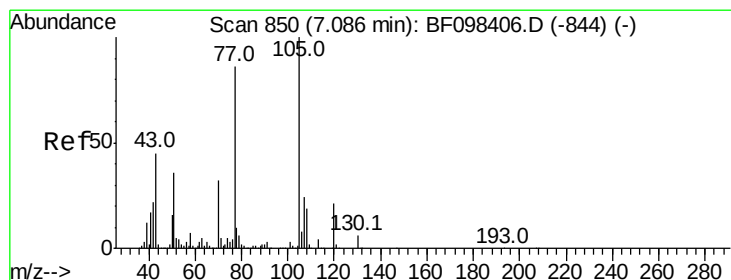
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time--> 7.85 7.90 7.95 8.00



#22

Acetophenone

Concen: 33.520 ng

RT: 7.06 min Scan# 846

Delta R.T. -0.02 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

Tgt Ion:105 Resp: 514662

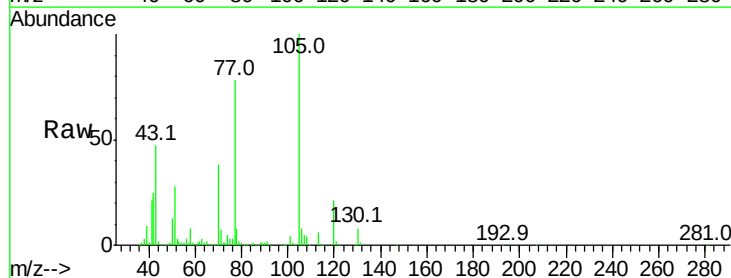
Ion Ratio Lower Upper

105 100

71 6.6 2.8 4.2#

51 28.4 30.7 46.1#

120 20.9 17.4 26.0

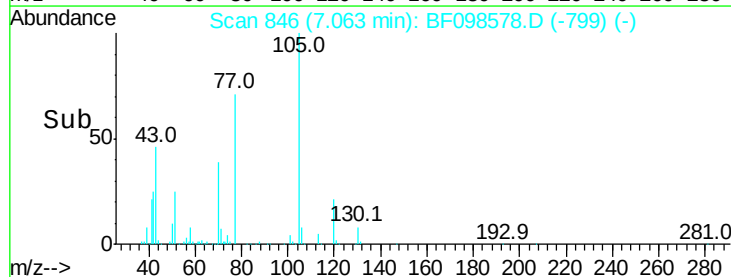


Abundance Ion 105.00 (104.70 to 105.70): E

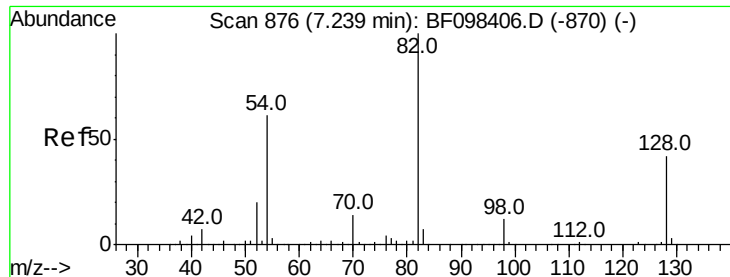
Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



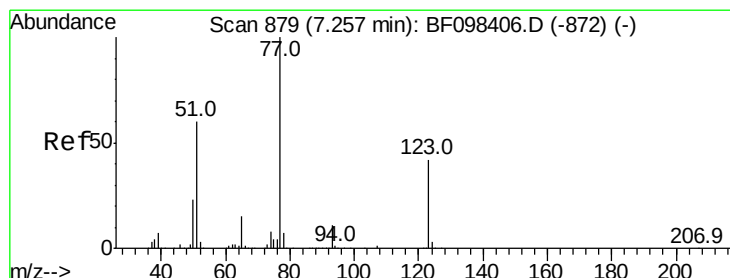
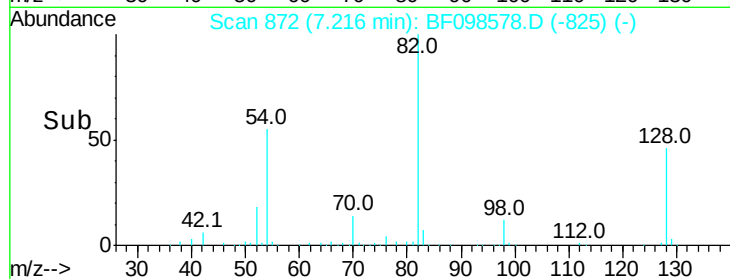
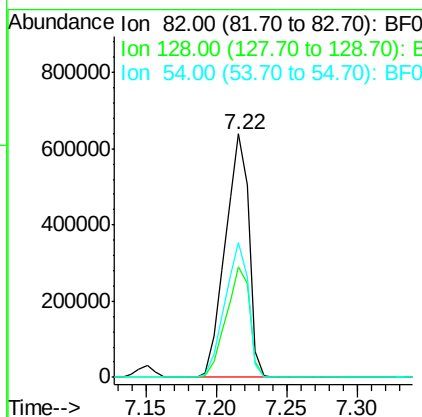
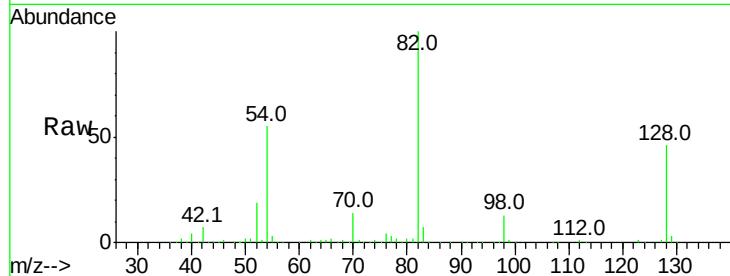
Time--> 7.00 7.10 7.20



#23
Nitrobenzene-d5
Concen: 69.446 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.02 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

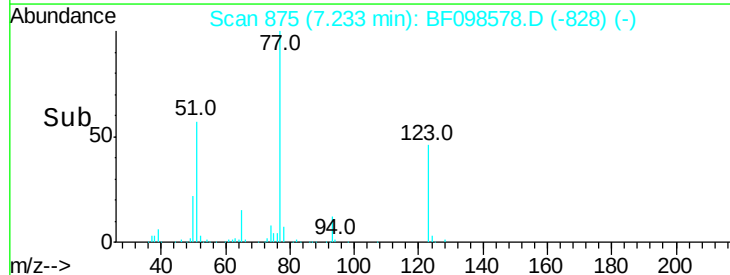
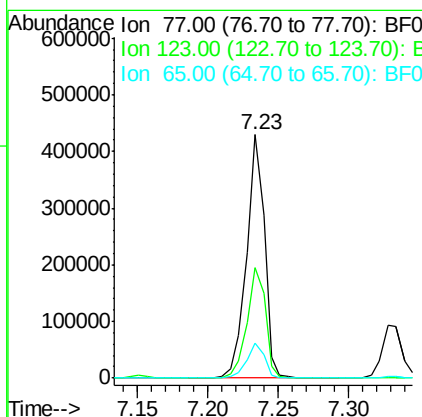
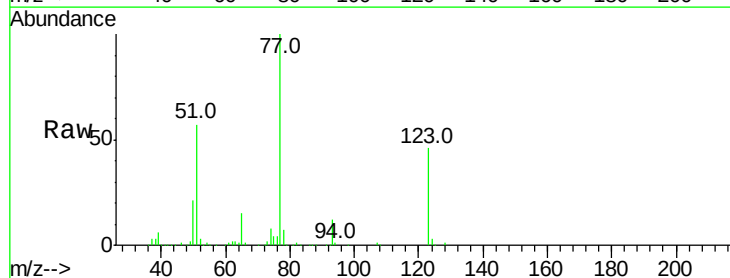
Instrument :
BNA_F
ClientSampleId :
UT5400S16MSD

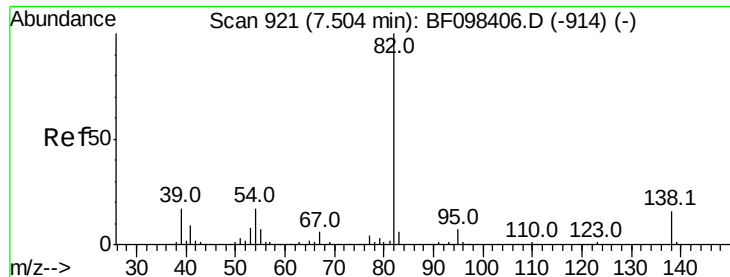
Tot Ion: 82 Resp: 740002
Ion Ratio Lower Upper
82 100
128 45.6 34.0 51.0
54 55.4 42.2 63.2



#24
Nitrobenzene
Concen: 31.535 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.02 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

Tgt Ion: 77 Resp: 382759
Ion Ratio Lower Upper
77 100
123 45.5 35.8 53.8
65 14.6 10.6 15.8





#25

Isophorone

Concen: 31.777 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.03 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

Instrument :

BNA_F

ClientSampleId :

UT5400S16MSD

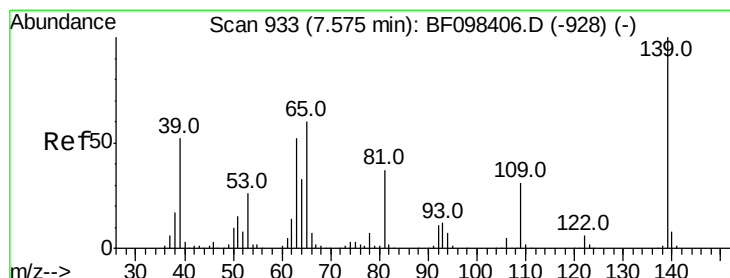
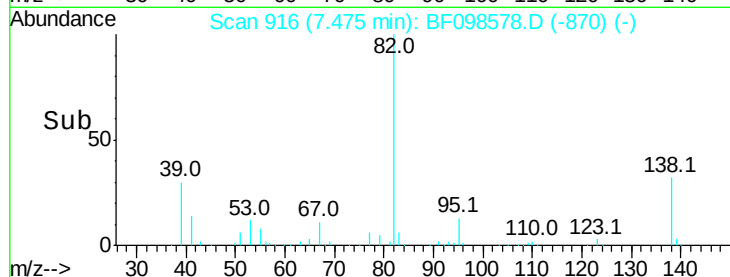
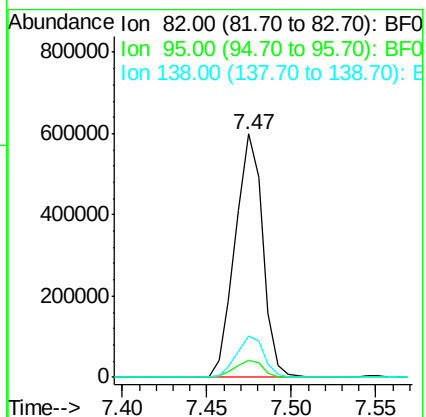
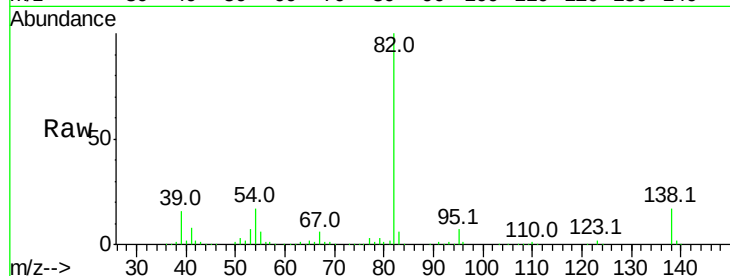
Tot Ion: 82 Resp: 685100

Ion Ratio Lower Upper

82 100

95 6.9 5.3 7.9

138 17.2 13.1 19.7



#26

2-Nitrophenol

Concen: 39.704 ng

RT: 7.55 min Scan# 929

Delta R.T. -0.02 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

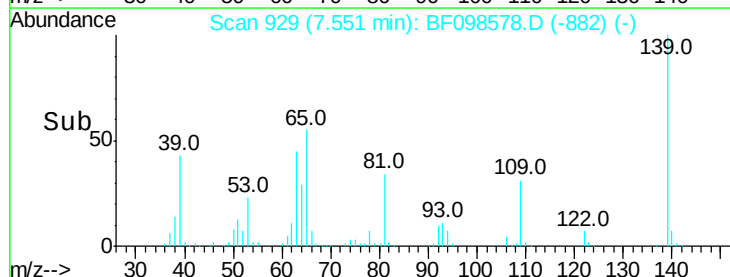
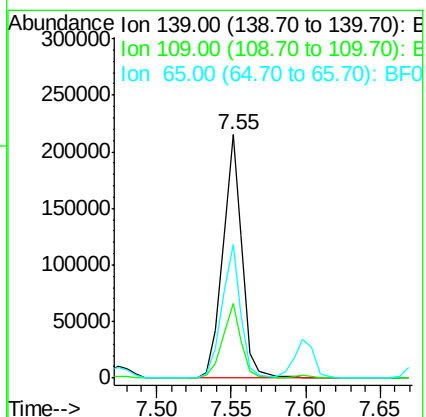
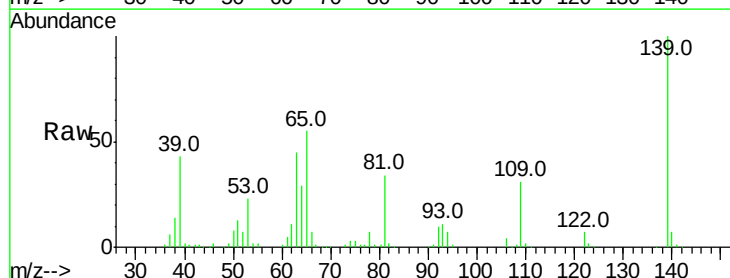
Tgt Ion: 139 Resp: 194576

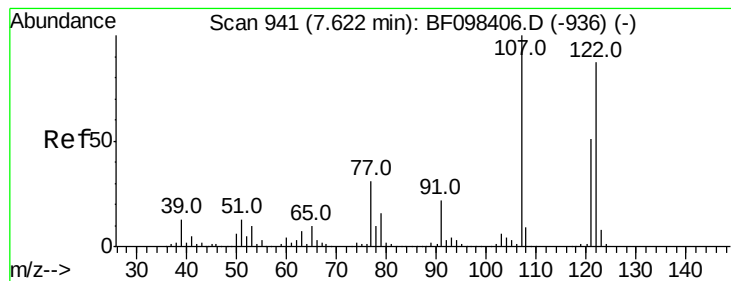
Ion Ratio Lower Upper

139 100

109 30.6 21.0 31.6

65 54.9 33.0 49.6#





#27

2,4-Dimethylphenol

Concen: 33.518 ng

RT: 7.60 min Scan# 937

Delta R.T. -0.02 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

Instrument :

BNA_F

ClientSampleId :

UT5400S16MSD

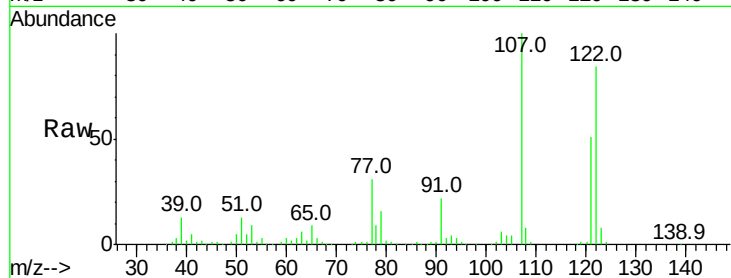
Tot Ion:122 Resp: 313127

Ion Ratio Lower Upper

122 100

107 118.9 89.2 133.8

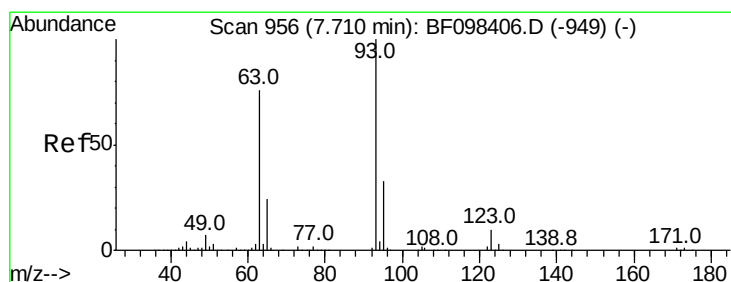
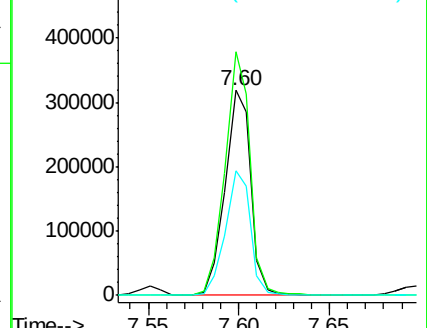
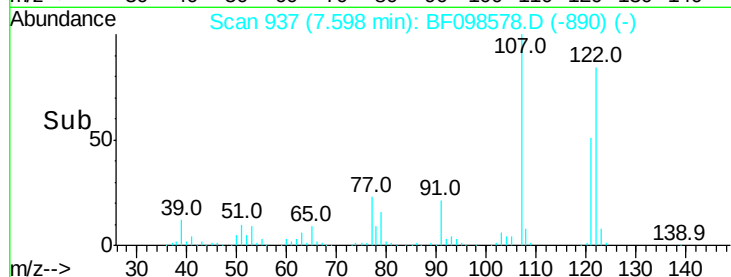
121 60.7 45.2 67.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 33.053 ng

RT: 7.69 min Scan# 952

Delta R.T. -0.02 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

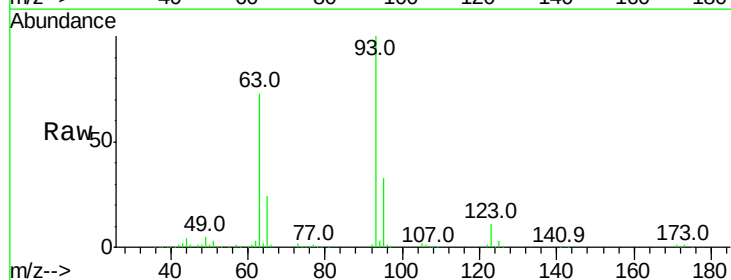
Tgt Ion: 93 Resp: 434820

Ion Ratio Lower Upper

93 100

95 32.9 26.5 39.7

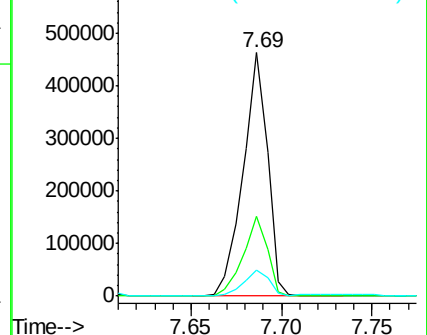
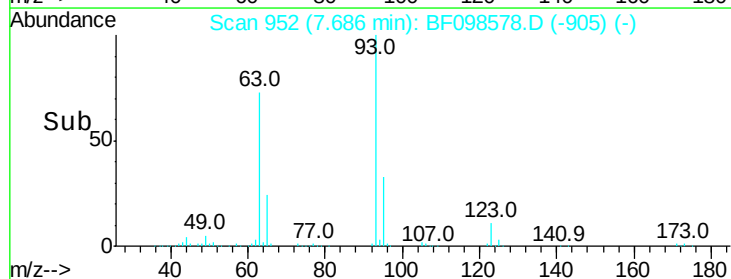
123 10.8 9.0 13.4

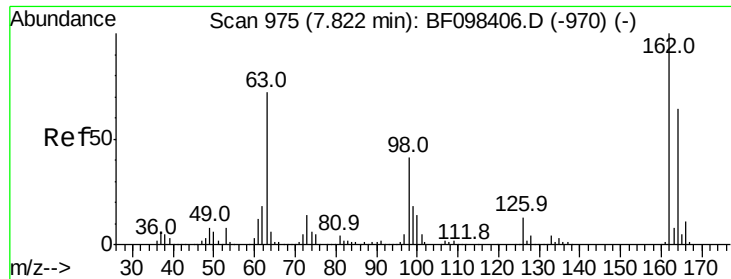


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

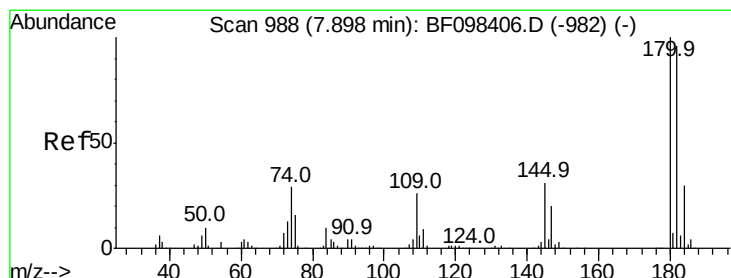
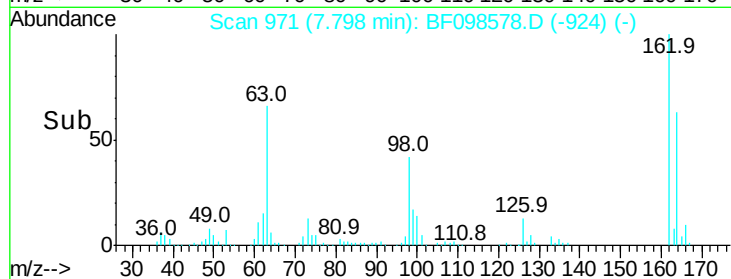
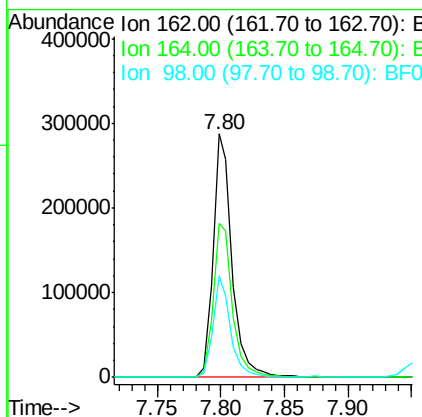
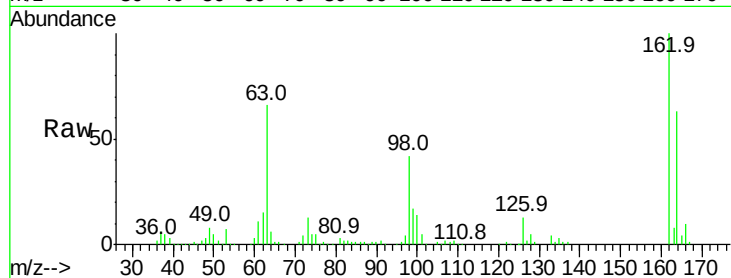




#29
 2,4-Dichlorophenol
 Concen: 38.850 ng
 RT: 7.80 min Scan# 971
 Delta R.T. -0.02 min
 Lab File: BF098578.D
 Acq: 15 Sep 2017 19:36

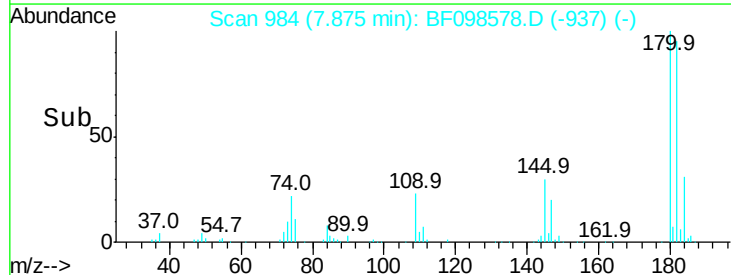
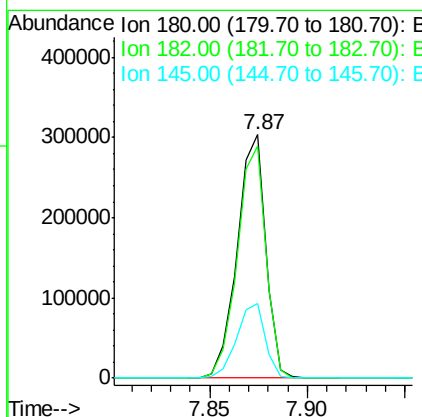
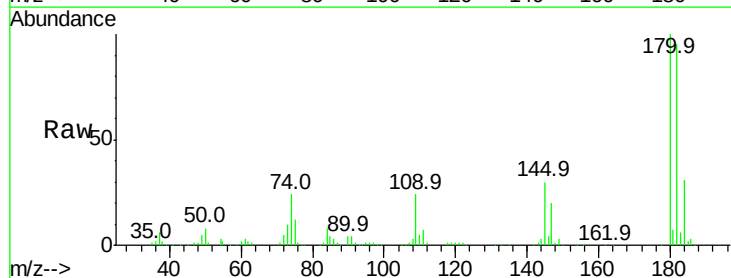
Instrument :
 BNA_F
 ClientSampleId :
 UT5400S16MSD

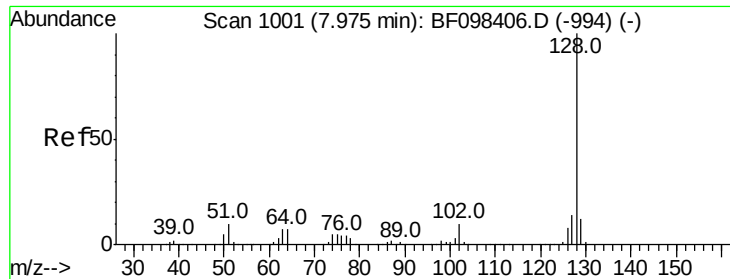
Tot Ion:	162	Resp:	301855
Ion Ratio	Lower	Upper	
162	100		
164	63.5	44.6	84.6
98	41.5	14.8	54.8



#30
 1,2,4-Trichlorobenzene
 Concen: 36.311 ng
 RT: 7.87 min Scan# 984
 Delta R.T. -0.02 min
 Lab File: BF098578.D
 Acq: 15 Sep 2017 19:36

Tgt Ion:	180	Resp:	306894
Ion Ratio	Lower	Upper	
180	100		
182	95.4	75.8	113.6
145	30.4	25.3	37.9

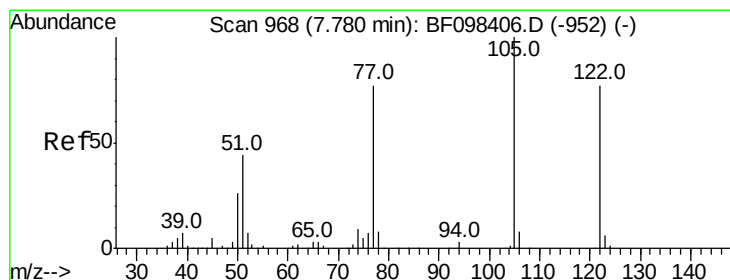
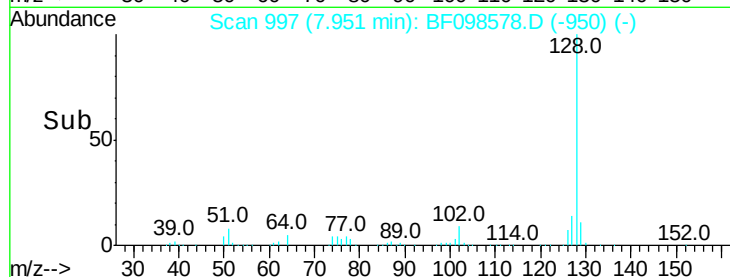
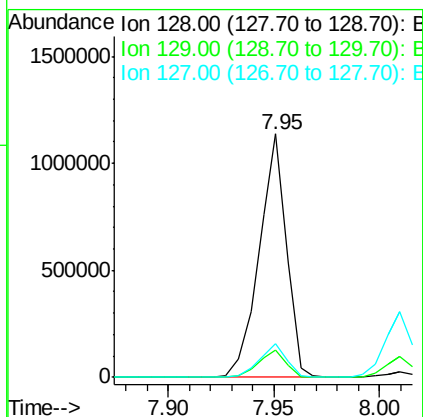
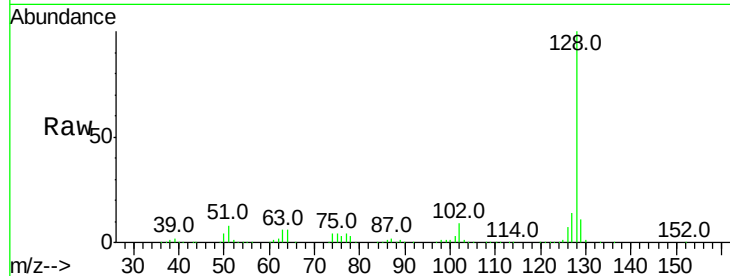




#31
Naphthalene
Concen: 34.792 ng
RT: 7.95 min Scan# 997
Delta R.T. -0.02 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

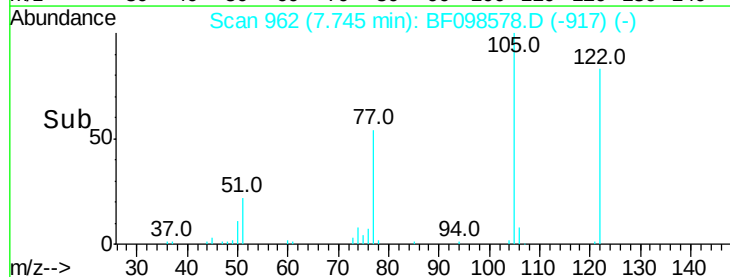
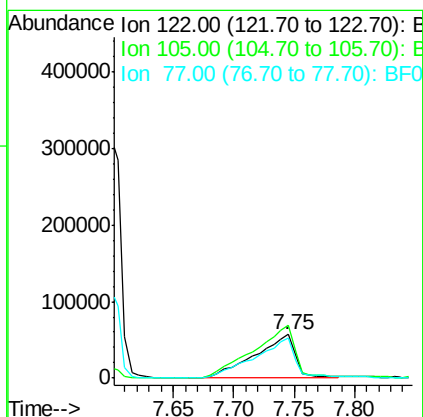
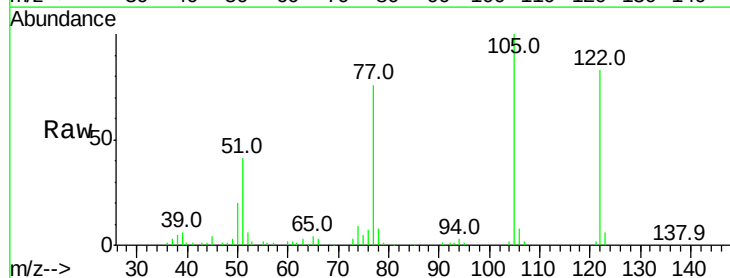
Instrument :
BNA_F
ClientSampleId :
UT5400S16MSD

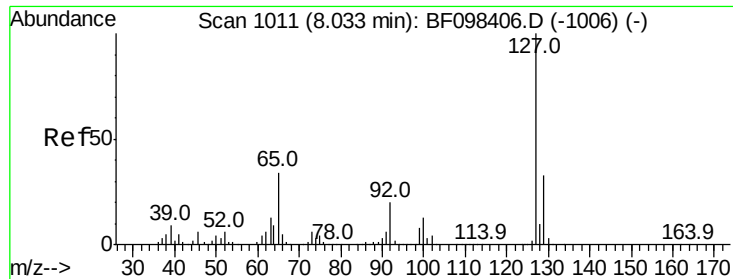
Tot Ion:128 Resp: 1021759
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 13.6 10.8 16.2



#32
Benzoic acid
Concen: 25.227 ng
RT: 7.75 min Scan# 962
Delta R.T. -0.03 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

Tgt Ion:122 Resp: 129685
Ion Ratio Lower Upper
122 100
105 121.1 103.3 143.3
77 92.4 73.7 113.7

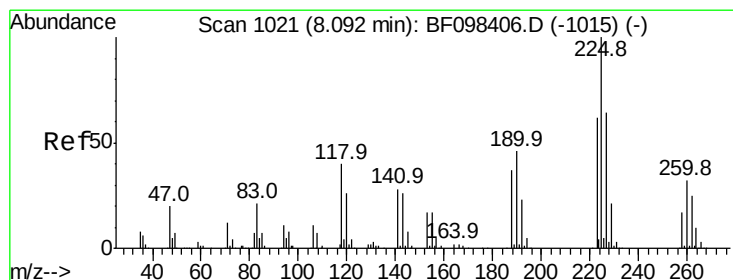
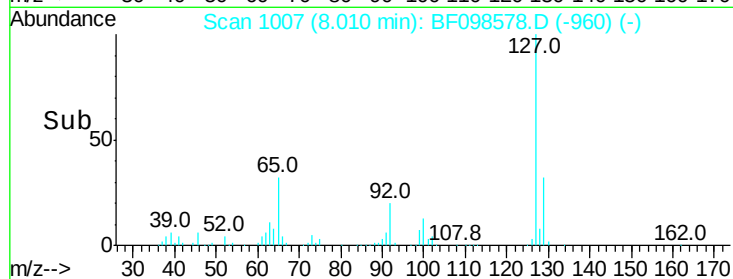
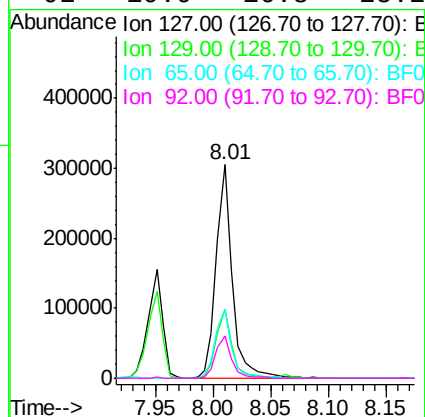
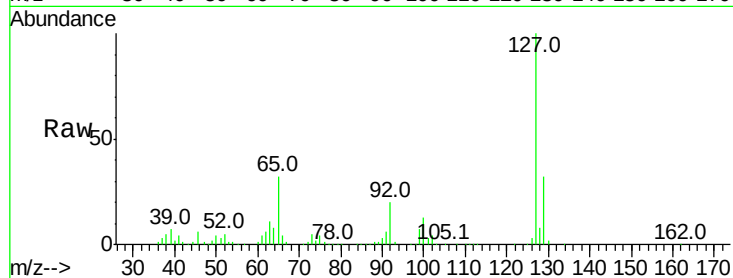




#33
4-Chloroaniline
Concen: 24.795 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.02 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

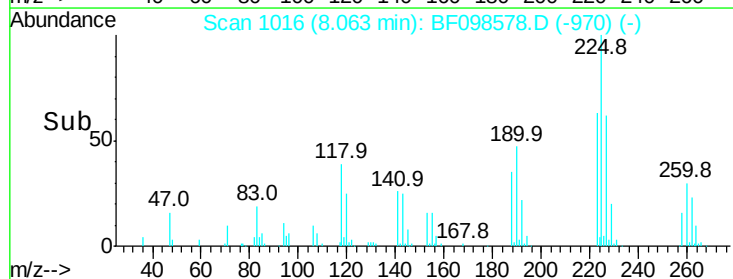
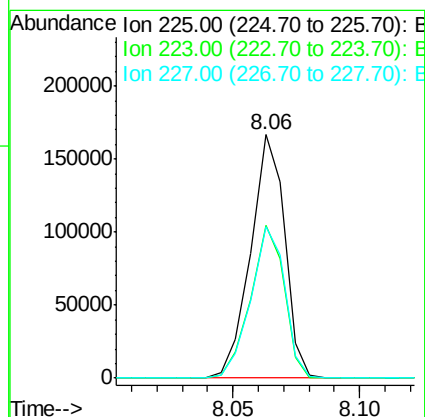
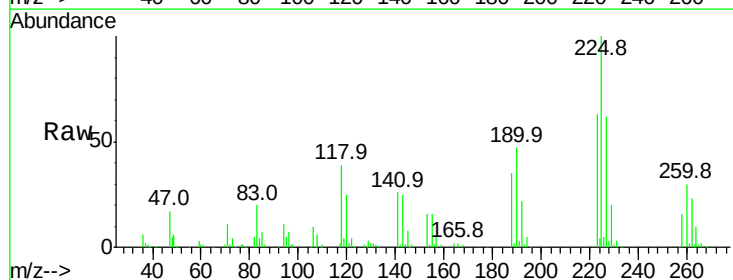
Instrument :
BNA_F
ClientSampleId :
UT5400S16MSD

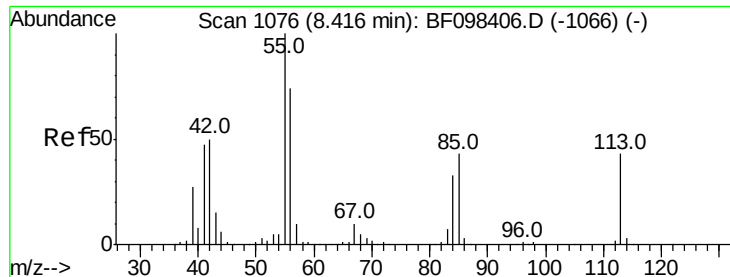
Tot Ion:	127	Resp:	295940
Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.2	39.2
65	32.3	27.8	41.8
92	19.9	16.8	25.2



#34
Hexachlorobutadiene
Concen: 35.958 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.03 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

Tgt Ion:	225	Resp:	156017
Ion	Ratio	Lower	Upper
225	100		
223	62.6	48.8	73.2
227	62.4	51.1	76.7





#35

Caprolactam

Concen: 19.026 ng

RT: 8.39 min Scan# 1072

Delta R.T. -0.02 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

Instrument :

BNA_F

ClientSampleId :

UT5400S16MSD

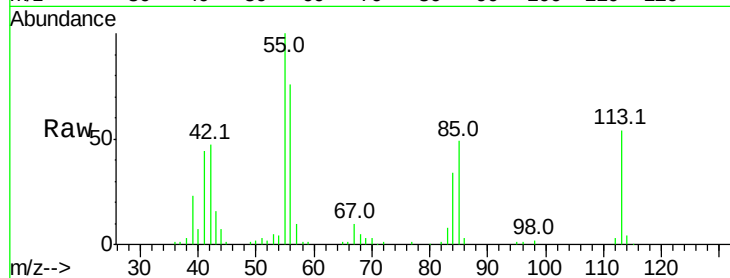
Tot Ion:113 Resp: 50975

Ion Ratio Lower Upper

113 100

55 186.1 150.2 190.2

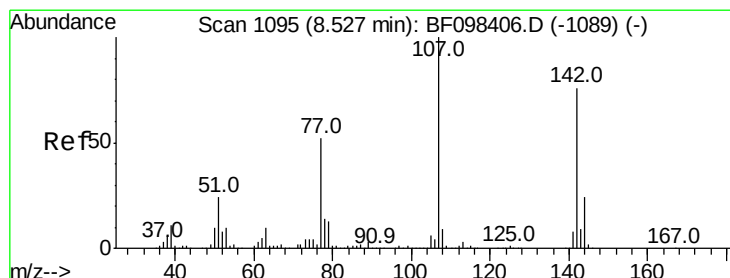
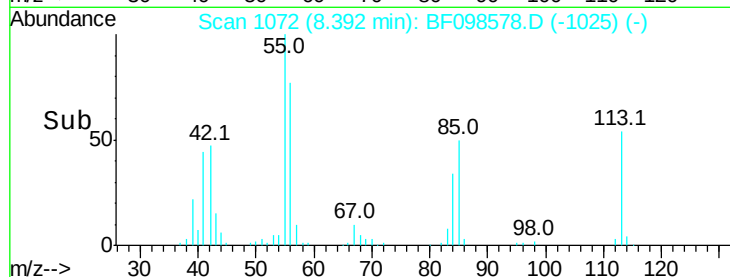
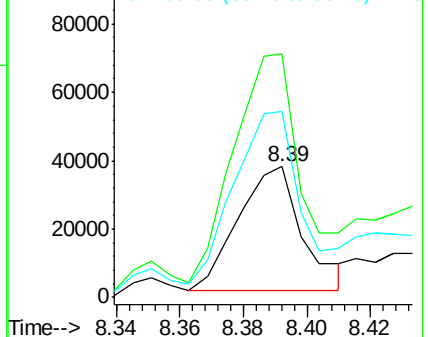
56 141.9 107.8 147.8



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 35.971 ng

RT: 8.51 min Scan# 1092

Delta R.T. -0.02 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

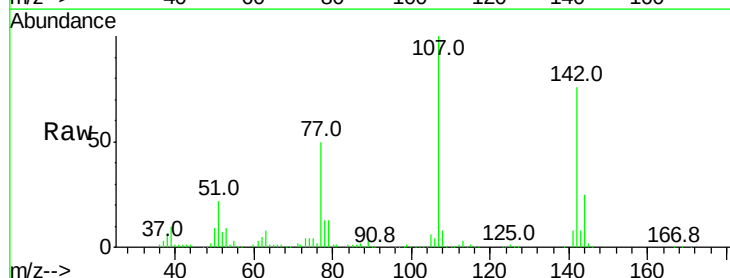
Tgt Ion:107 Resp: 346609

Ion Ratio Lower Upper

107 100

144 24.8 24.2 36.4

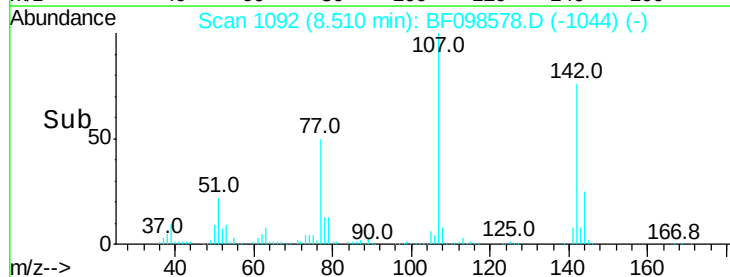
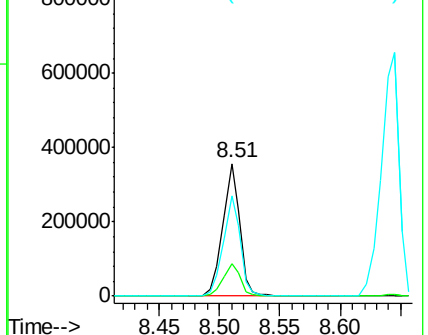
142 75.5 73.4 110.0

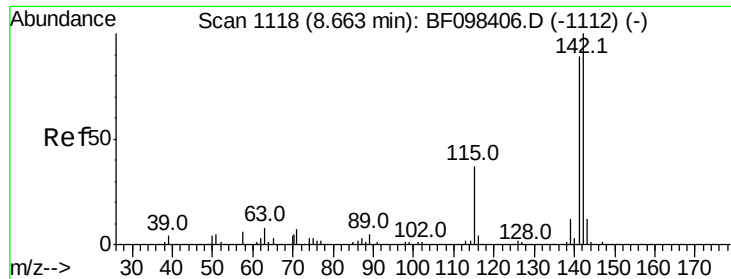


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

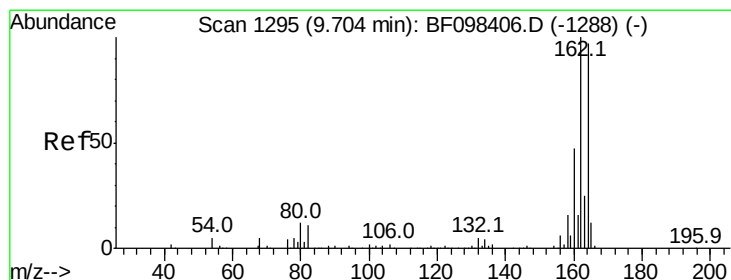
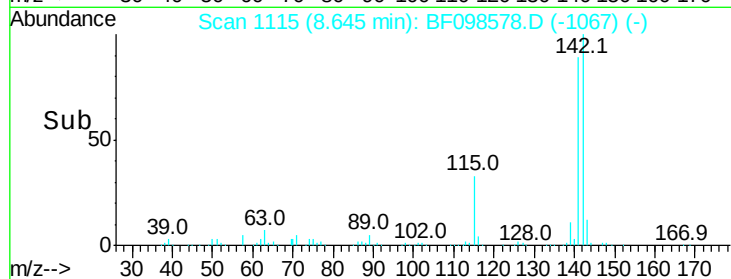
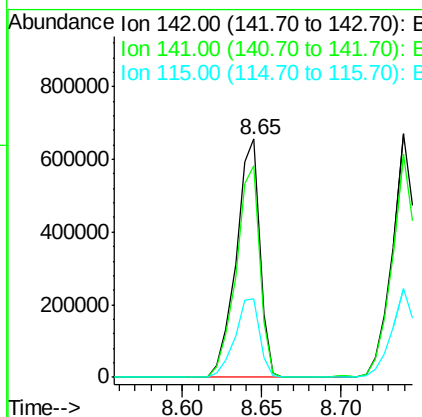
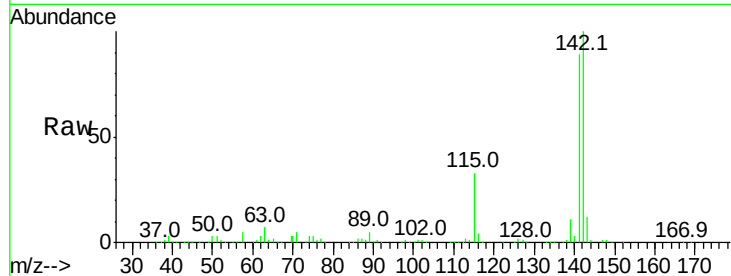




#37
2-Methylnaphthalene
Concen: 38.017 ng
RT: 8.65 min Scan# 1115
Delta R.T. -0.02 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

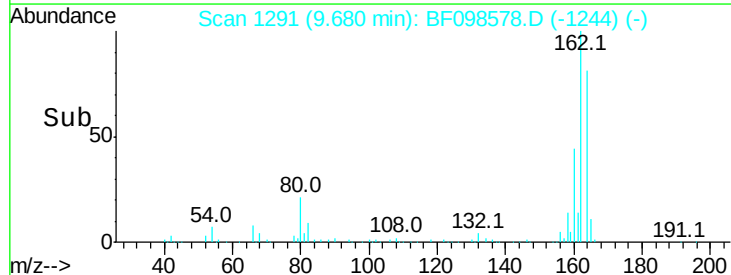
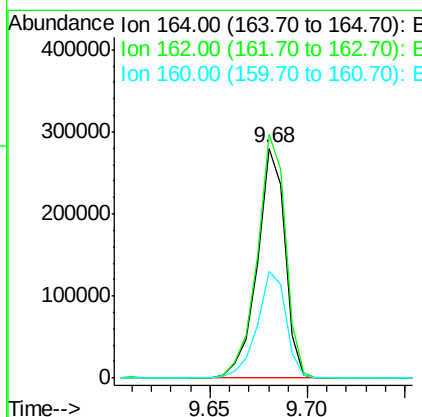
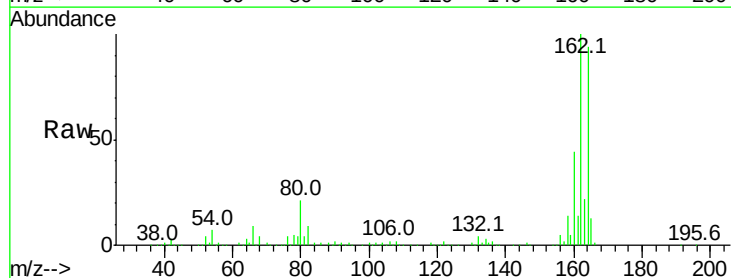
Instrument :
BNA_F
ClientSampleId :
UT5400S16MSD

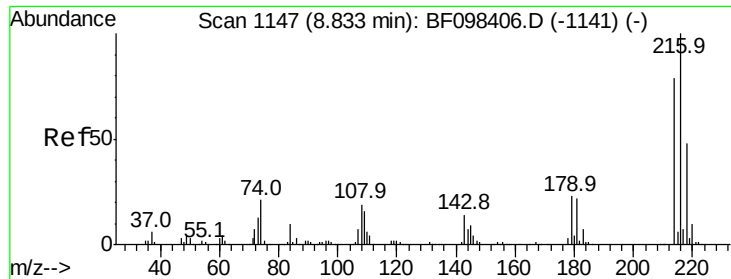
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.3	106.9
115	33.1	27.1	40.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.0	82.6	123.8
160	46.4	36.2	54.2

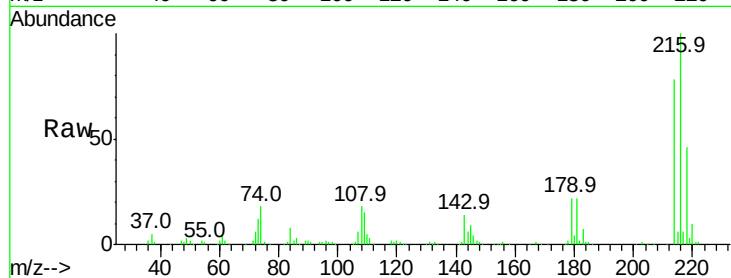




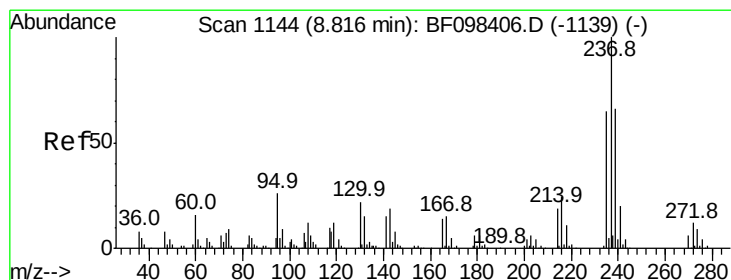
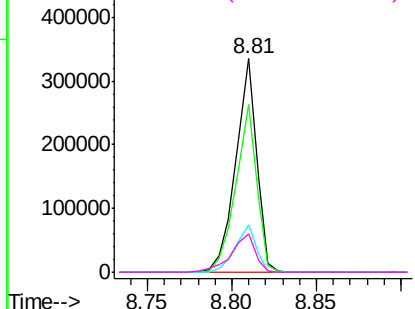
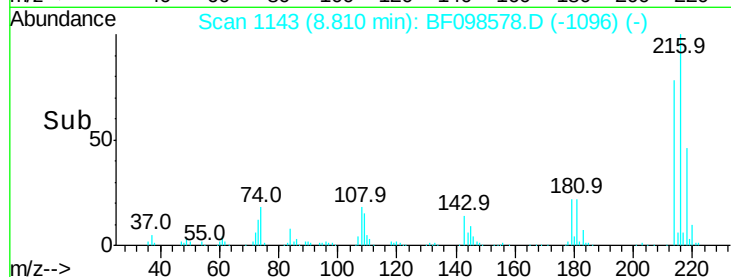
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 33.595 ng
 RT: 8.81 min Scan# 1143
 Delta R.T. -0.02 min
 Lab File: BF098578.D
 Acq: 15 Sep 2017 19:36

Instrument :
 BNA_F
 ClientSampleId :
 UT5400S16MSD

Tot Ion:	216	Resp:	288098
Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.4	95.2
179	22.2	17.9	26.9
108	20.4	16.5	24.7

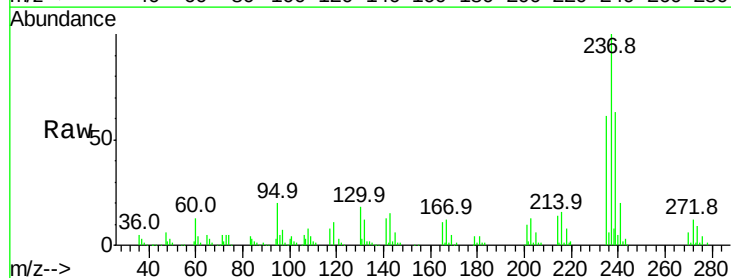


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

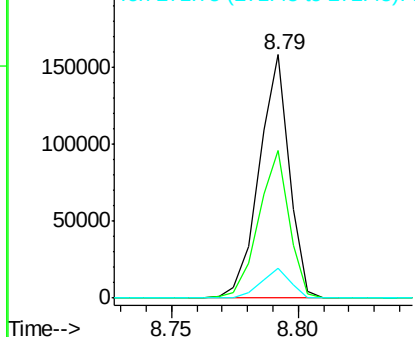
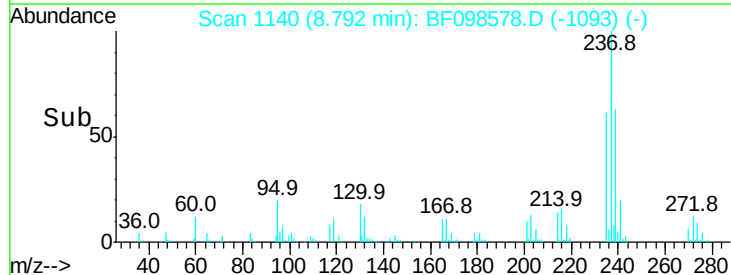


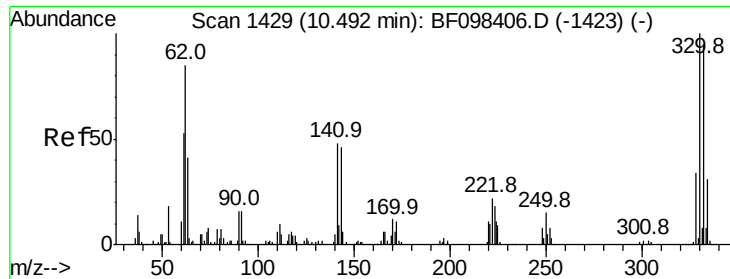
#40
 Hexachlorocyclopentadiene
 Concen: 55.387 ng
 RT: 8.79 min Scan# 1140
 Delta R.T. -0.02 min
 Lab File: BF098578.D
 Acq: 15 Sep 2017 19:36

Tgt Ion:	237	Resp:	130434
Ion	Ratio	Lower	Upper
237	100		
235	60.7	42.6	82.6
272	12.2	0.0	31.9



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E

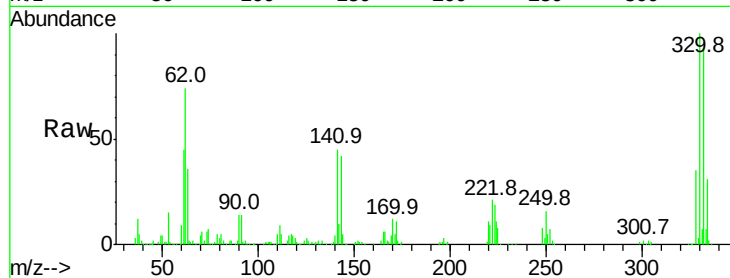




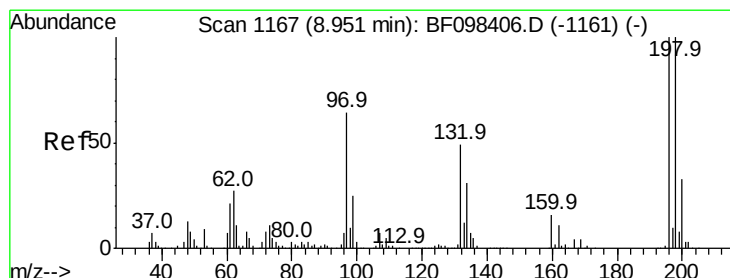
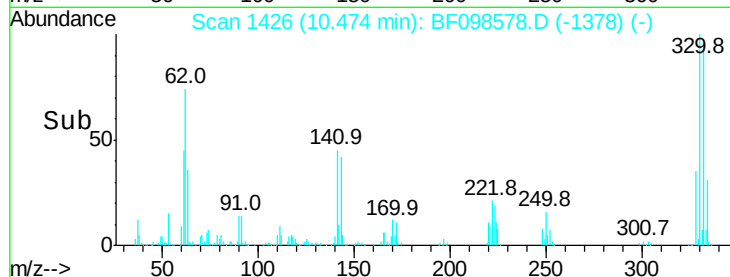
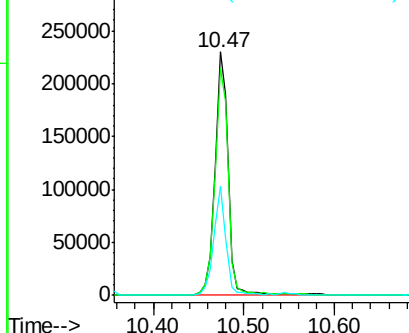
#41
 2,4,6-Tribromophenol
 Concen: 127.582 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.02 min
 Lab File: BF098578.D
 Acq: 15 Sep 2017 19:36

Instrument :
 BNA_F
 ClientSampleId :
 UT5400S16MSD

Tot Ion:330 Resp: 234421
 Ion Ratio Lower Upper
 330 100
 332 93.7 76.6 115.0
 141 41.4 31.4 47.2

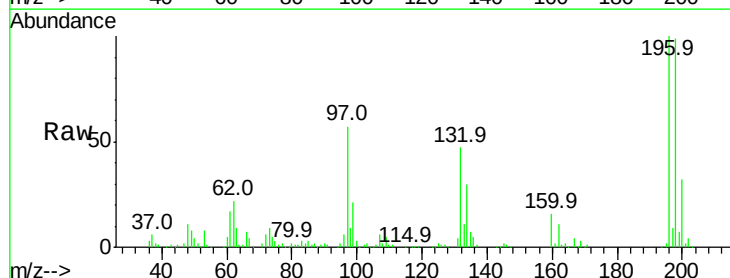


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

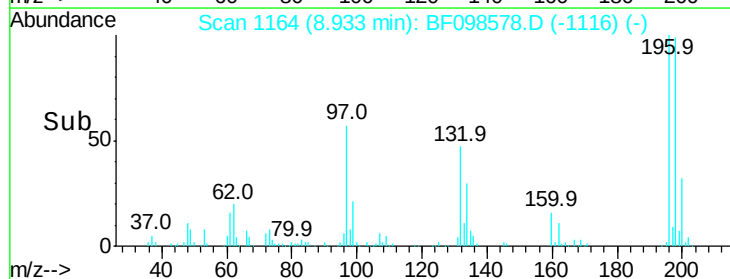
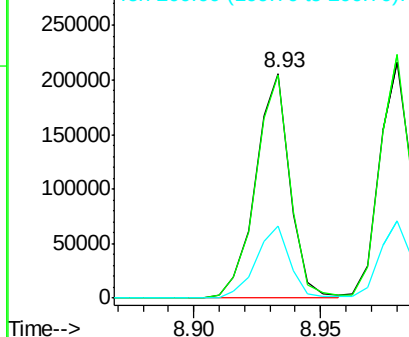


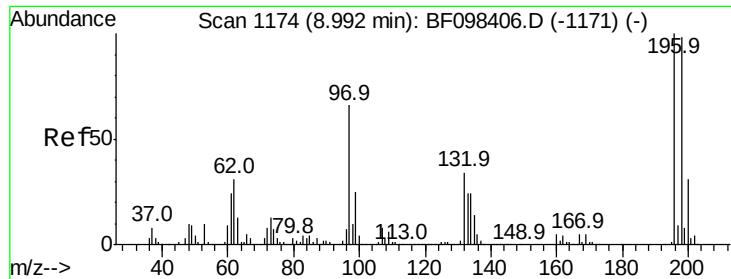
#42
 2,4,6-Trichlorophenol
 Concen: 38.947 ng
 RT: 8.93 min Scan# 1164
 Delta R.T. -0.02 min
 Lab File: BF098578.D
 Acq: 15 Sep 2017 19:36

Tgt Ion:196 Resp: 196177
 Ion Ratio Lower Upper
 196 100
 198 99.1 74.2 111.4
 200 31.8 24.0 36.0



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

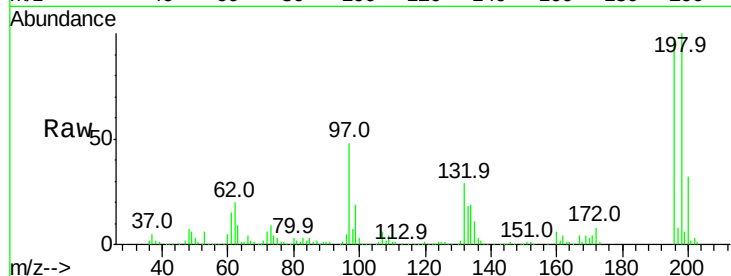




#43
 2,4,5-Trichlorophenol
 Concen: 39.422 ng
 RT: 8.98 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: BF098578.D
 Acq: 15 Sep 2017 19:36

Instrument :
 BNA_F
 ClientSampleId :
 UT5400S16MSD

Tot Ion:196	Resp:	207548	
Ion Ratio	Lower	Upper	
196	100		
198	103.3	75.7	113.5
97	49.7	47.7	71.5
132	30.3	28.0	42.0



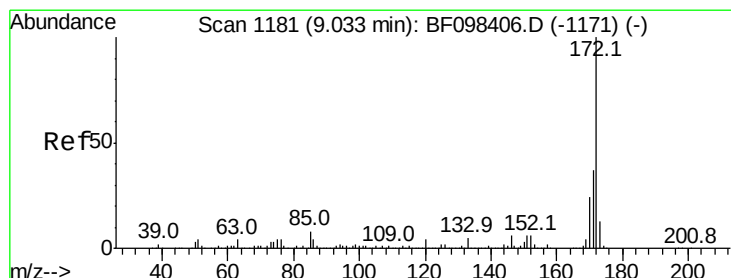
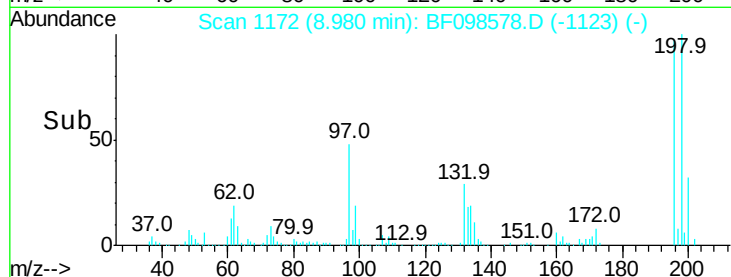
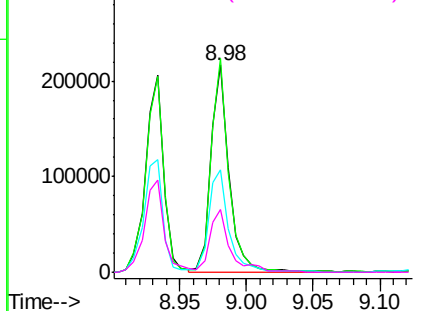
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

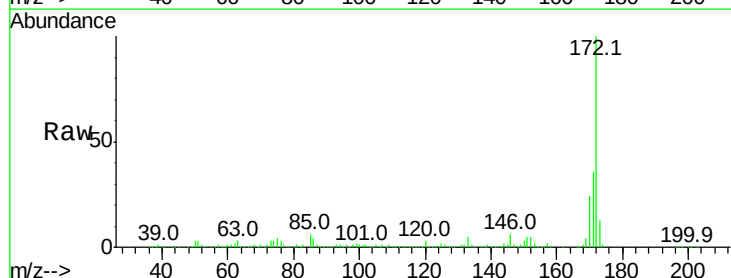
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 70.408 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. -0.02 min
 Lab File: BF098578.D
 Acq: 15 Sep 2017 19:36

Tgt Ion:172	Ratio	Resp: 1143628	
172	100	Lower	Upper
171	35.8	29.6	44.4
170	23.8	19.8	29.8

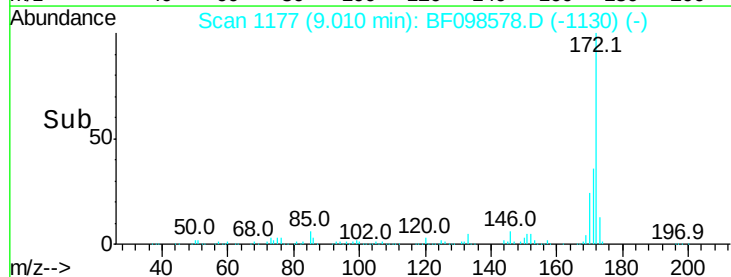
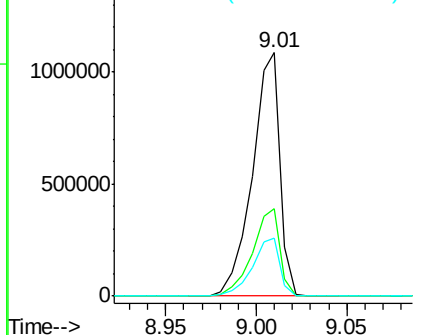


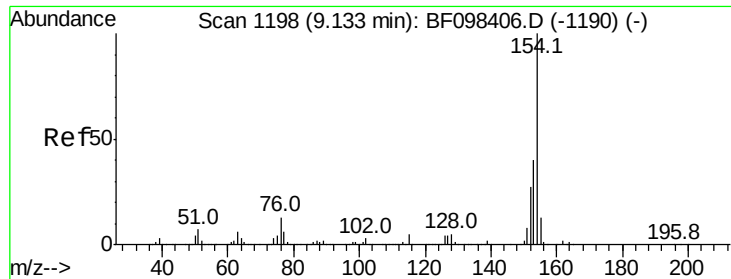
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 33.277 ng

RT: 9.11 min Scan# 1194

Delta R.T. -0.02 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

Instrument :

BNA_F

ClientSampleId :

UT5400S16MSD

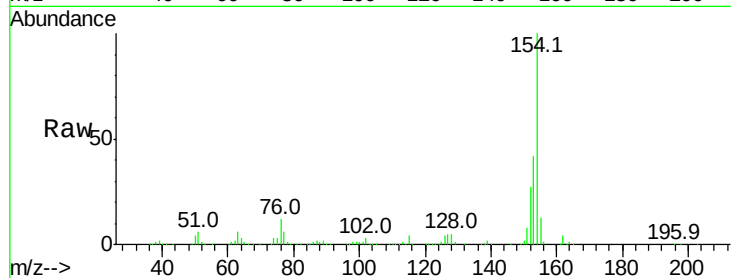
Tot Ion:154 Resp: 819990

Ion Ratio Lower Upper

154 100

153 41.8 21.2 61.2

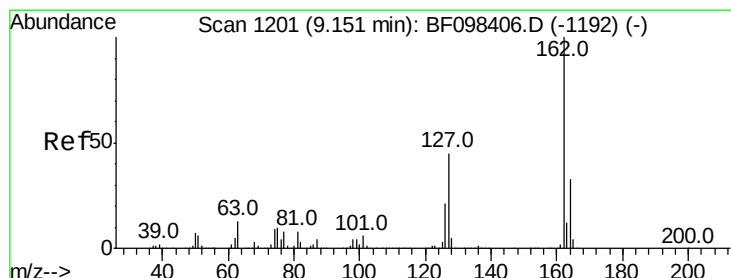
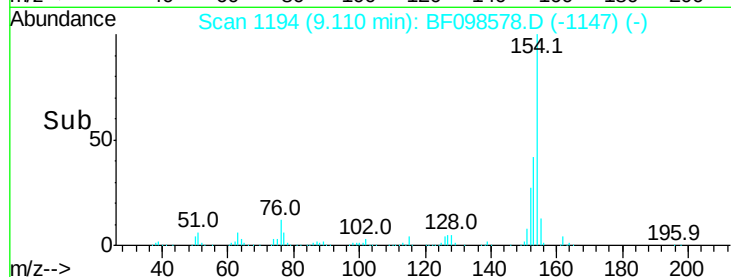
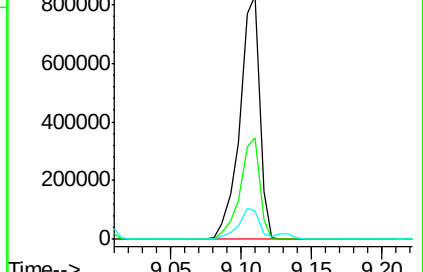
76 11.8 0.0 29.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 35.724 ng

RT: 9.13 min Scan# 1198

Delta R.T. -0.02 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

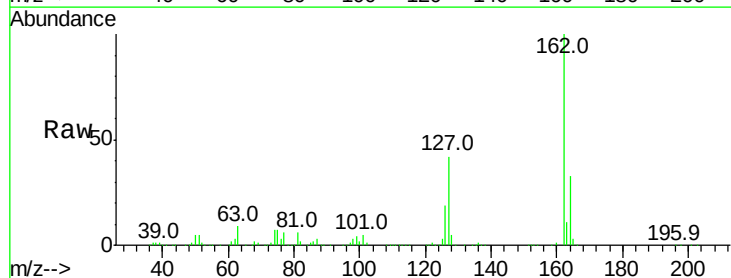
Tgt Ion:162 Resp: 628680

Ion Ratio Lower Upper

162 100

127 42.0 28.3 42.5

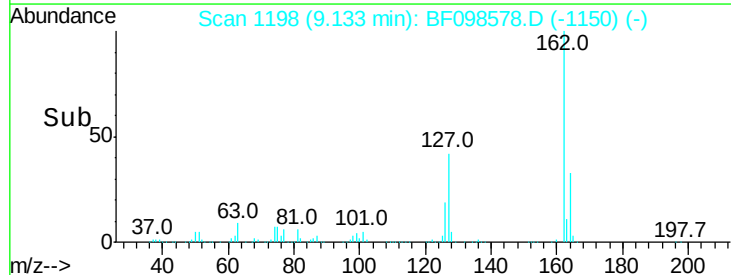
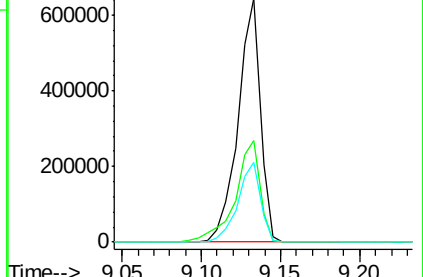
164 33.0 27.0 40.4

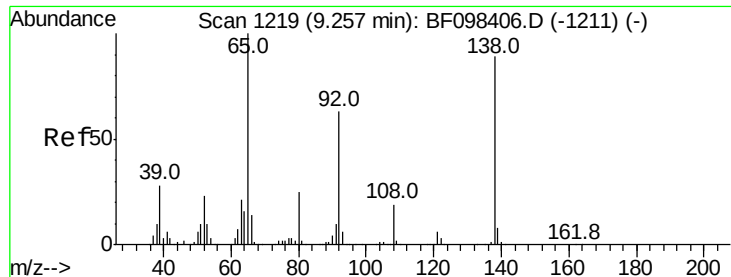


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

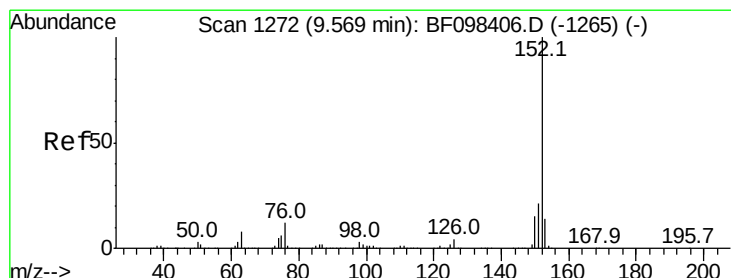
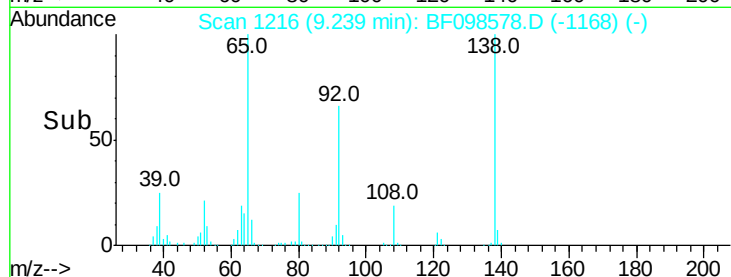
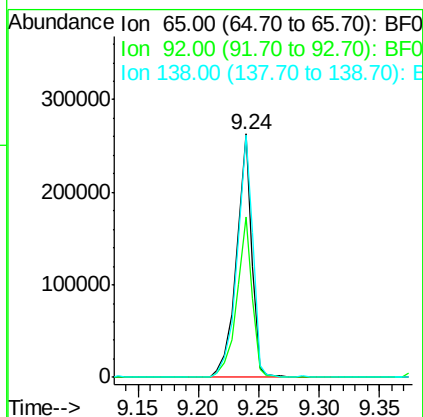
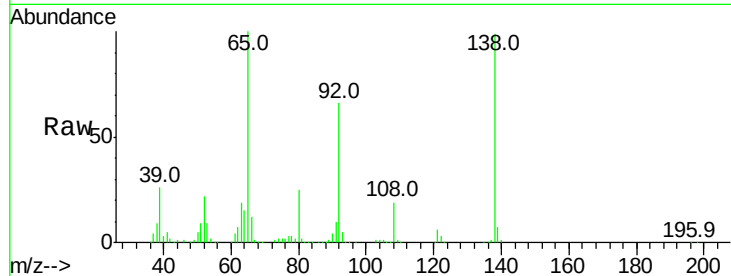




#47
2-Nitroaniline
Concen: 34.586 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.02 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

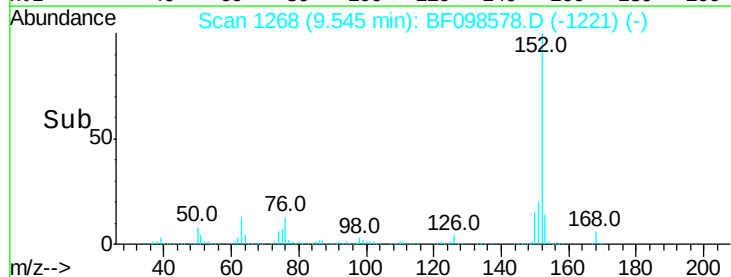
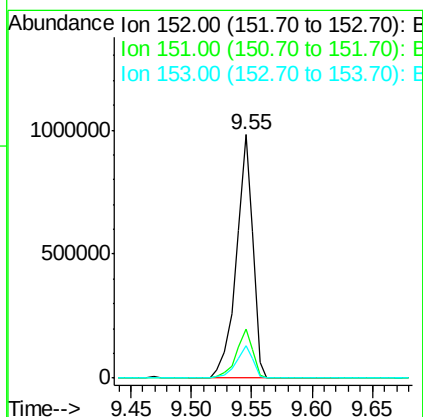
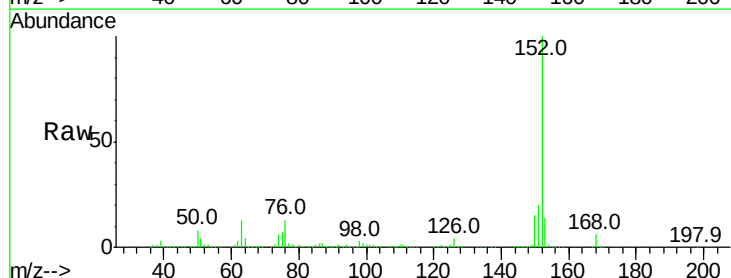
Instrument :
BNA_F
ClientSampleId :
UT5400S16MSD

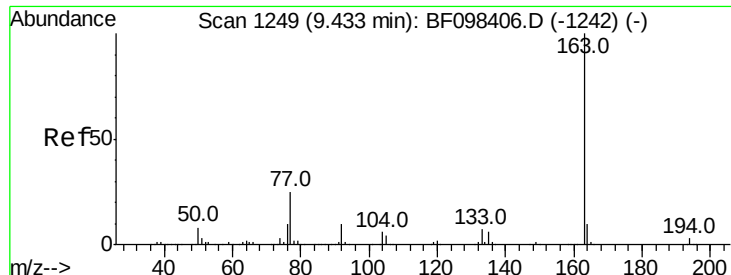
Tot Ion: 65 Resp: 233608
Ion Ratio Lower Upper
65 100
92 65.9 53.9 80.9
138 99.4 78.8 118.2



#48
Acenaphthylene
Concen: 35.578 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

Tgt Ion: 152 Resp: 930927
Ion Ratio Lower Upper
152 100
151 20.3 16.8 25.2
153 13.5 10.8 16.2





#49

Dimethylphthalate

Concen: 45.583 ng

RT: 9.42 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

Instrument :

BNA_F

ClientSampleId :

UT5400S16MSD

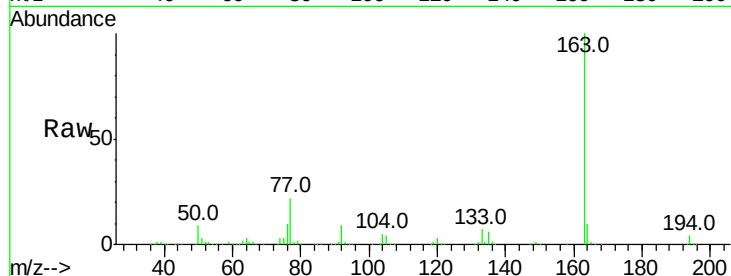
Tot Ion:163 Resp: 971412

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

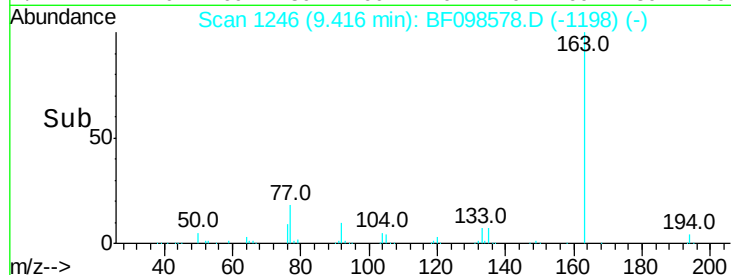
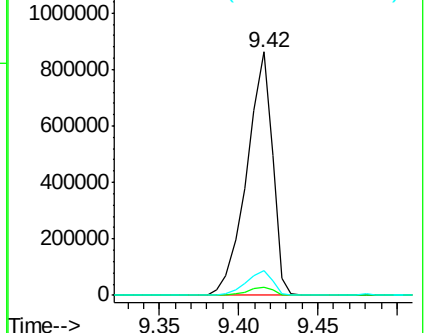
164 10.1 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 39.389 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

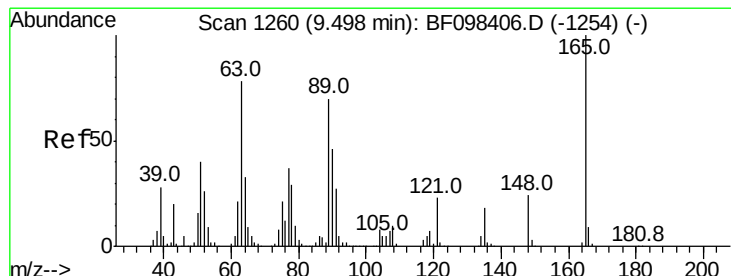
Tgt Ion:165 Resp: 172425

Ion Ratio Lower Upper

165 100

63 65.0 34.3 51.5#

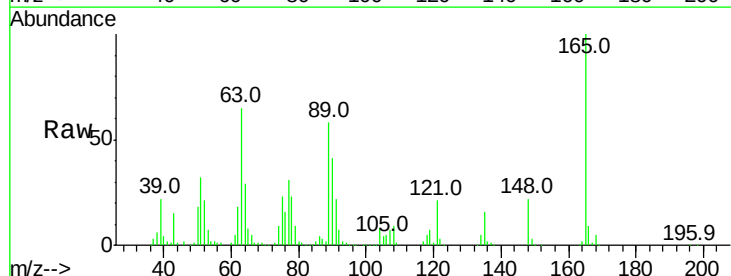
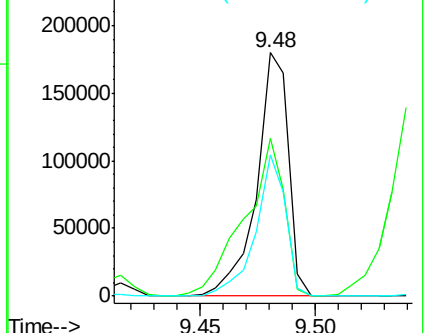
89 57.9 37.1 55.7#

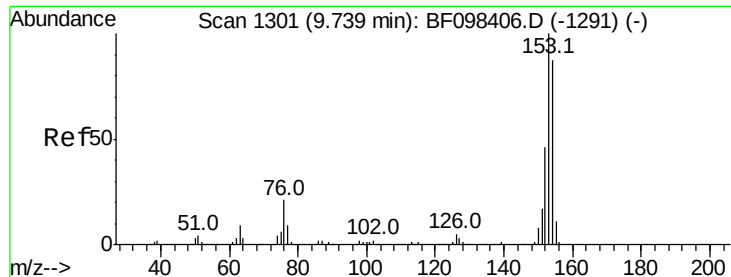


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 35.483 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

Instrument :

BNA_F

ClientSampleId :

UT5400S16MSD

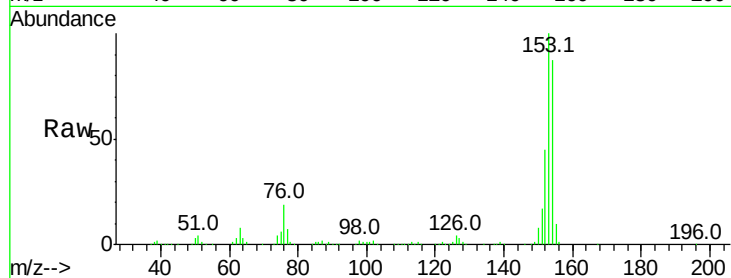
Tot Ion:154 Resp: 590182

Ion Ratio Lower Upper

154 100

153 114.4 90.5 135.7

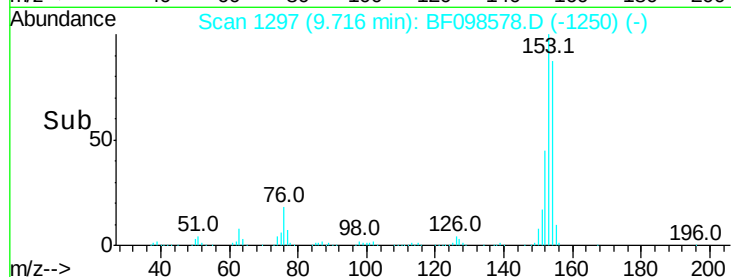
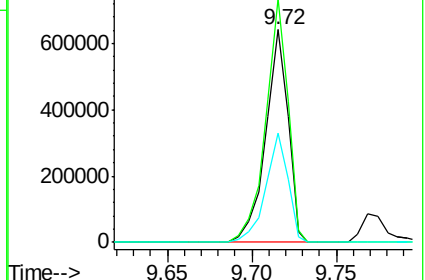
152 51.1 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 28.490 ng

RT: 9.65 min Scan# 1286

Delta R.T. -0.02 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

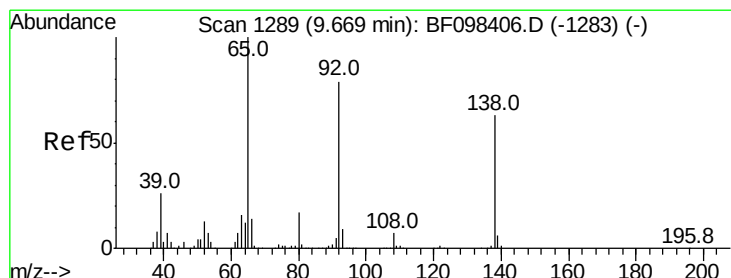
Tgt Ion:138 Resp: 150546

Ion Ratio Lower Upper

138 100

108 10.4 9.1 13.7

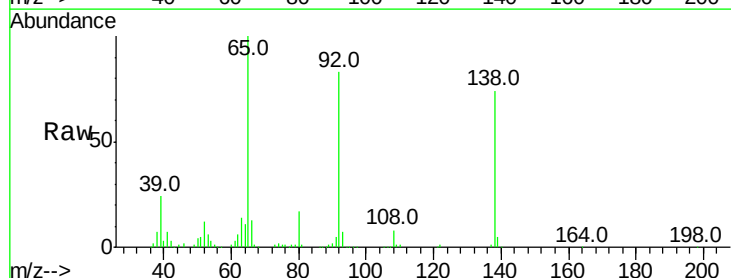
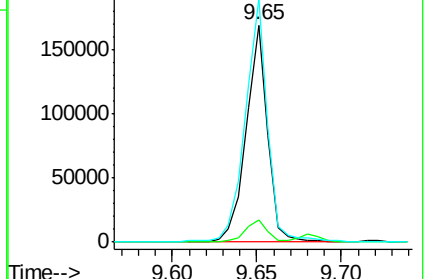
92 112.3 93.8 140.6

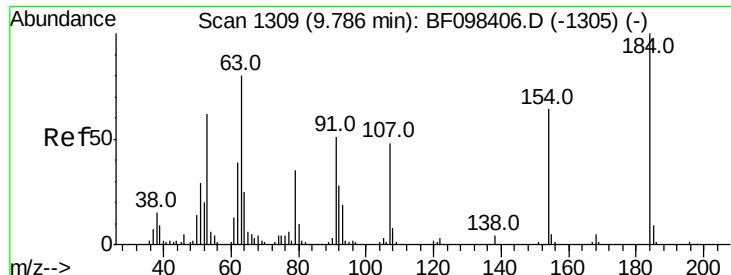


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

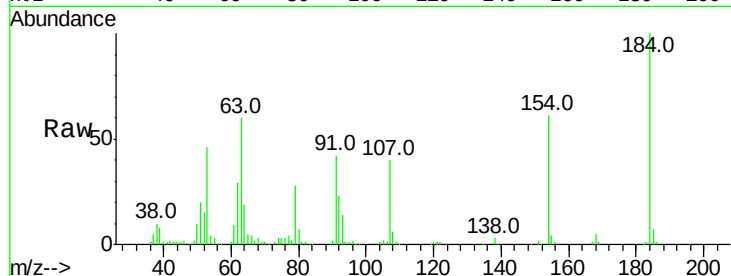




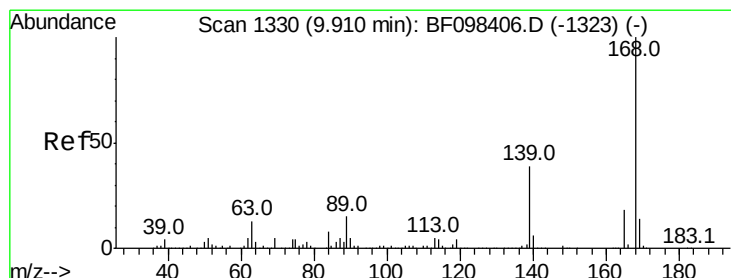
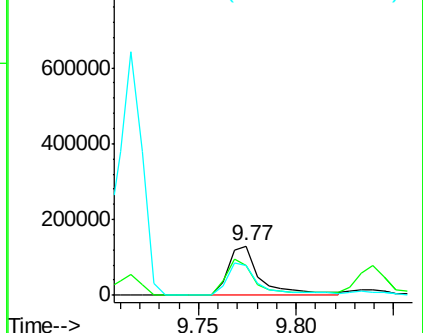
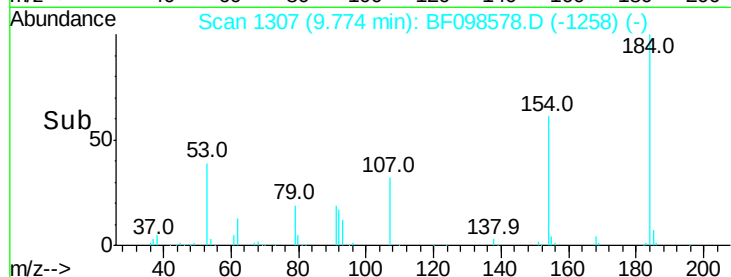
#53
 2,4-Dinitrophenol
 Concen: 73.206 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BF098578.D
 Acq: 15 Sep 2017 19:36

Instrument :
 BNA_F
 ClientSampleId :
 UT5400S16MSD

Tot Ion:184 Resp: 149802
 Ion Ratio Lower Upper
 184 100
 63 60.0 62.7 94.1#
 154 61.2 81.1 121.7#

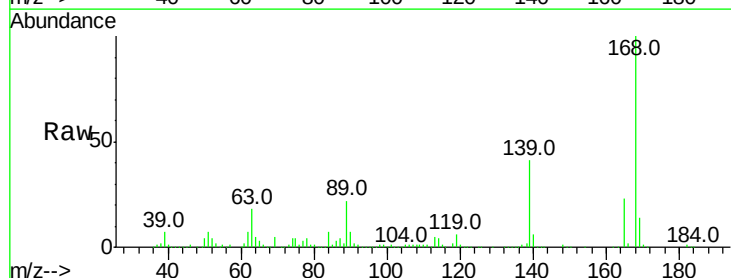


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

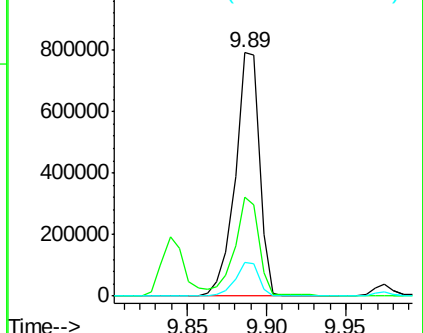
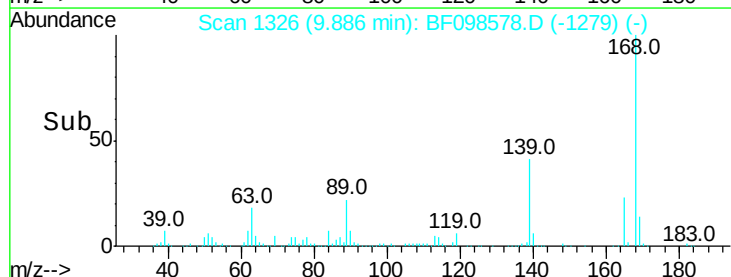


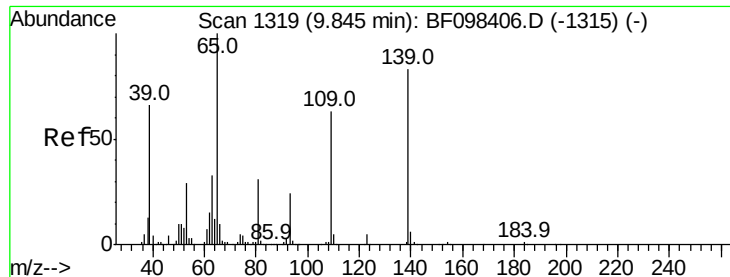
#54
 Dibenzofuran
 Concen: 38.396 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.02 min
 Lab File: BF098578.D
 Acq: 15 Sep 2017 19:36

Tgt Ion:168 Resp: 841323
 Ion Ratio Lower Upper
 168 100
 139 40.7 30.6 45.8
 169 13.6 10.8 16.2



Abundance Ion 168.00 (167.70 to 168.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 65.104 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

Instrument :

BNA_F

ClientSampleId :

UT5400S16MSD

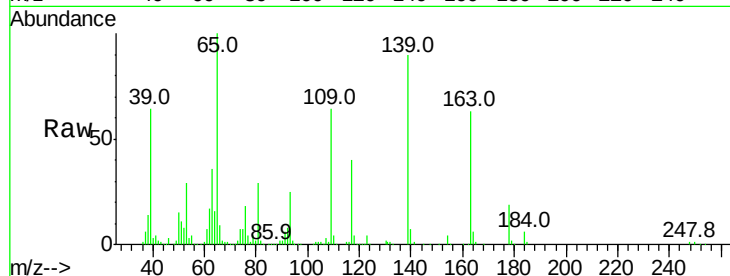
Tot Ion:139 Resp: 197650

Ion Ratio Lower Upper

139 100

109 70.7 34.1 74.1

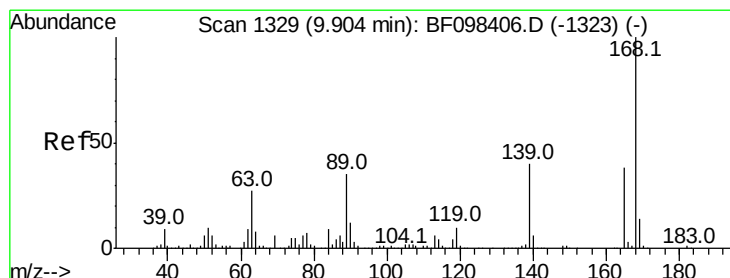
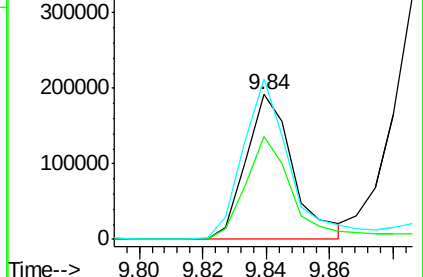
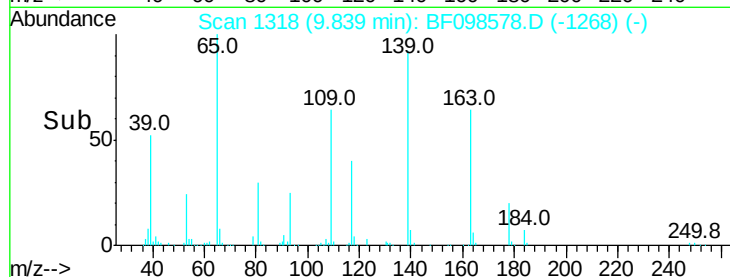
65 110.9 31.4 71.4#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 41.872 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

Tgt Ion:165 Resp: 222835

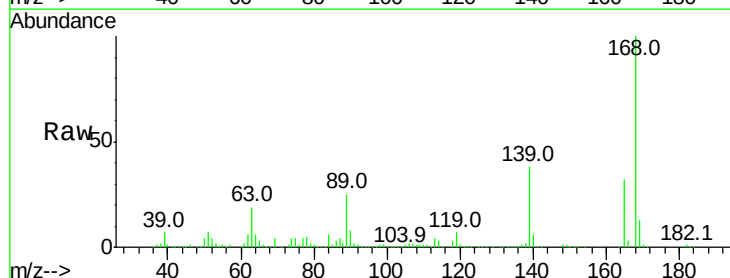
Ion Ratio Lower Upper

165 100

63 60.6 25.4 38.0#

89 77.3 46.4 69.6#

182 2.5 1.8 2.6

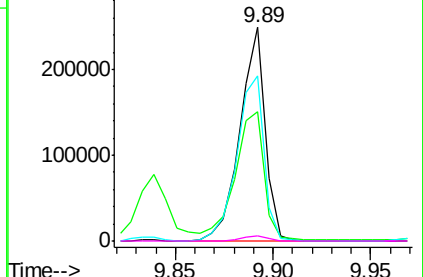
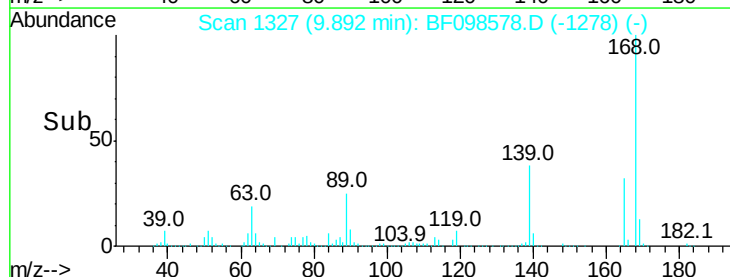


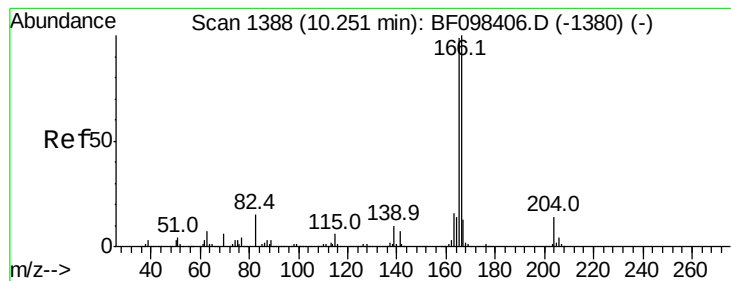
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 36.951 ng

RT: 10.23 min Scan# 1385

Delta R.T. -0.02 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

Instrument :

BNA_F

ClientSampleId :

UT5400S16MSD

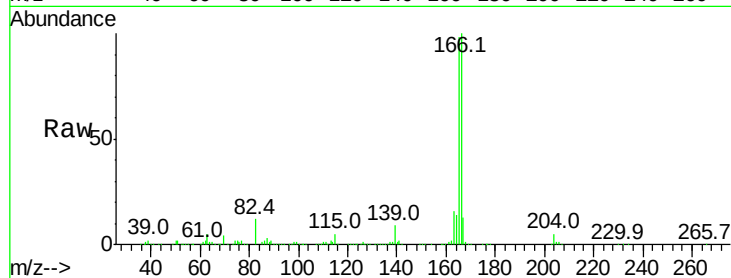
Tot Ion:166 Resp: 670167

Ion Ratio Lower Upper

166 100

165 97.5 78.8 118.2

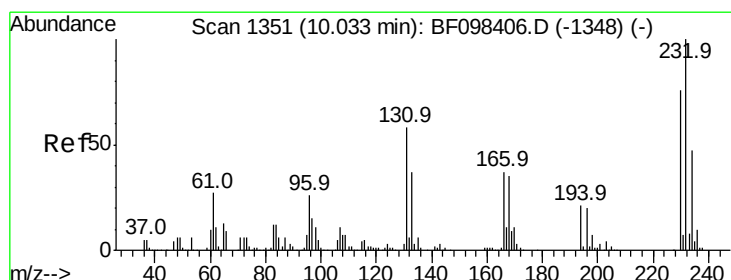
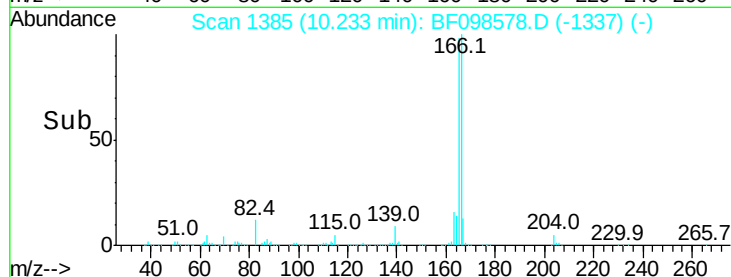
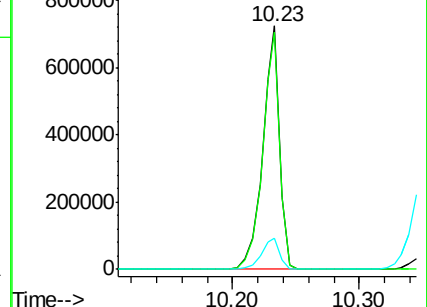
167 12.9 10.6 16.0



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: 44.701 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.02 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

Tgt Ion:232 Resp: 158162

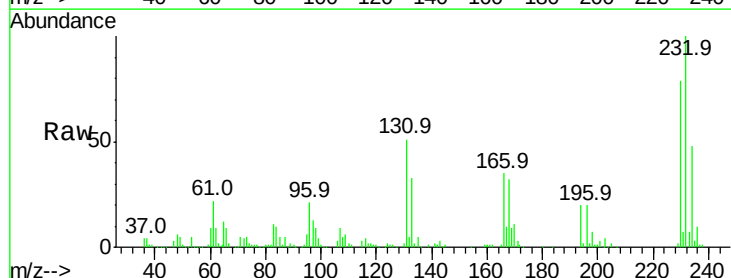
Ion Ratio Lower Upper

232 100

131 49.5 44.8 67.2

130 2.1 2.3 3.5#

166 31.2 29.0 43.4

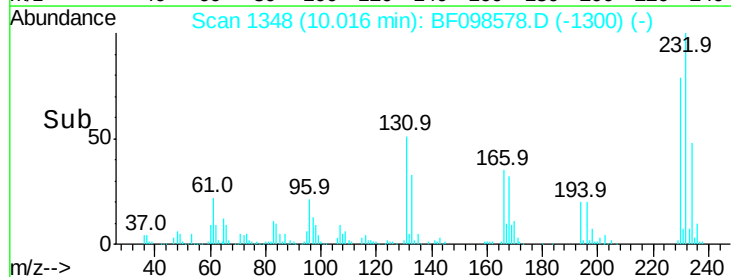
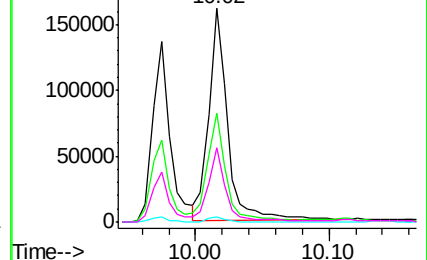


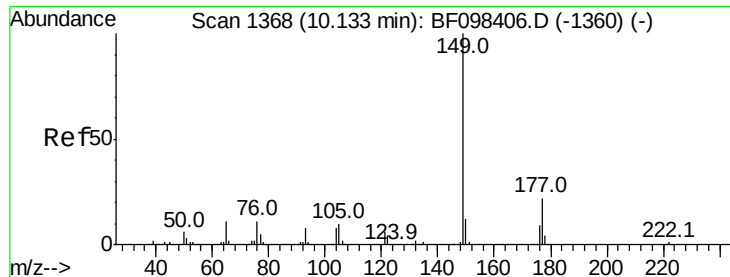
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

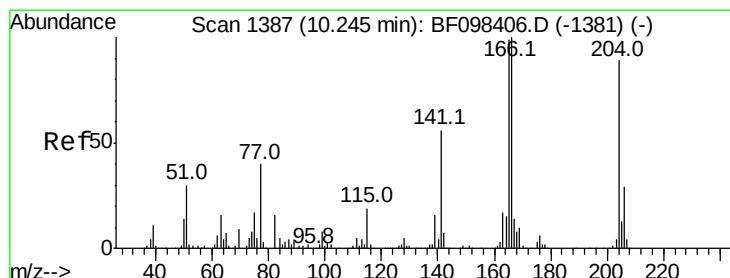
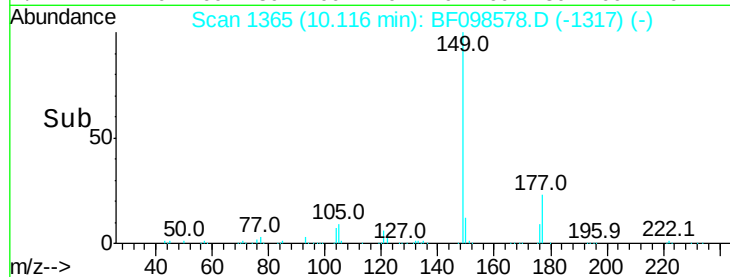
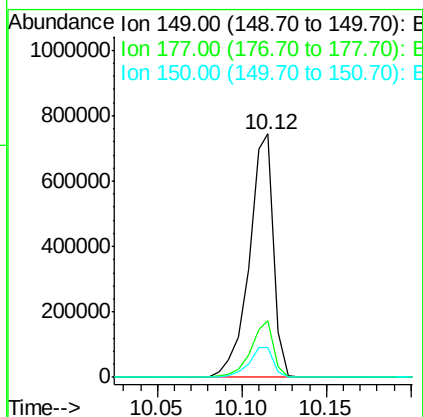
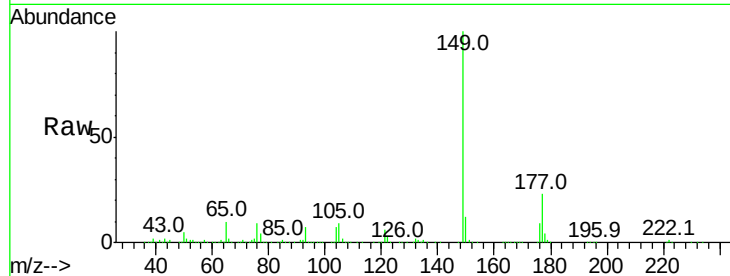




#59
Diethylphthalate
Concen: 36.710 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.02 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

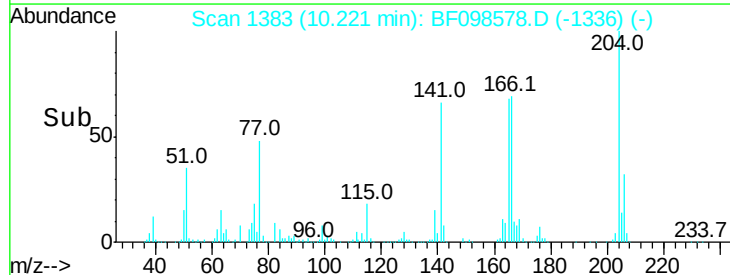
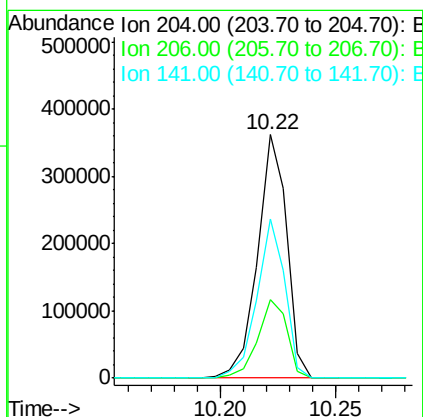
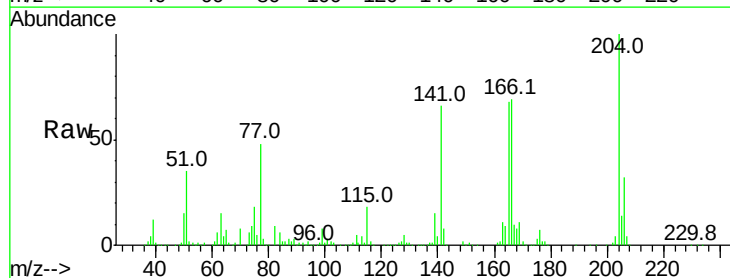
Instrument :
BNA_F
ClientSampleId :
UT5400S16MSD

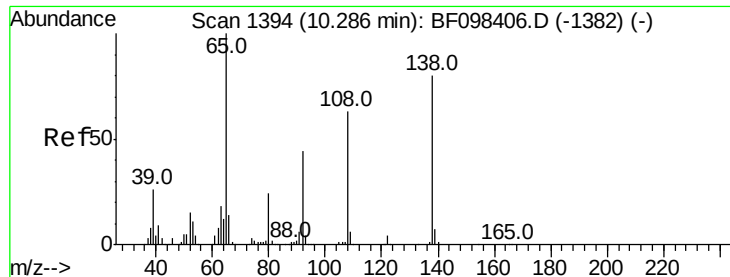
Tot Ion:149 Resp: 744009
Ion Ratio Lower Upper
149 100
177 23.1 16.7 25.1
150 12.2 10.2 15.2



#60
4-Chlorophenyl-phenylether
Concen: 38.113 ng
RT: 10.22 min Scan# 1383
Delta R.T. -0.02 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

Tgt Ion:204 Resp: 319277
Ion Ratio Lower Upper
204 100
206 32.4 26.2 39.2
141 65.5 60.8 91.2

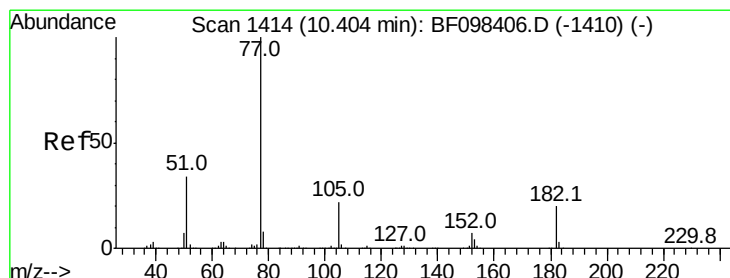
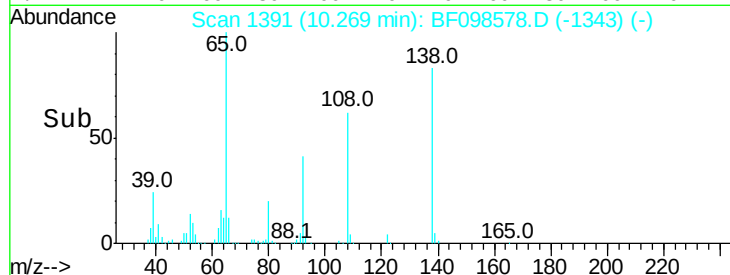
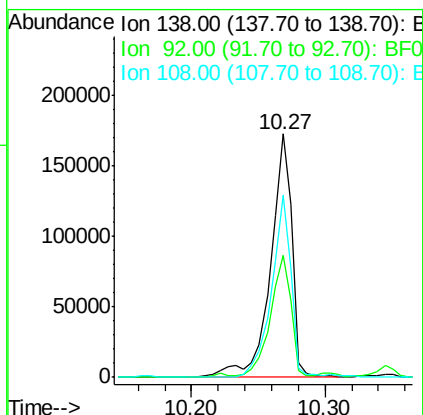
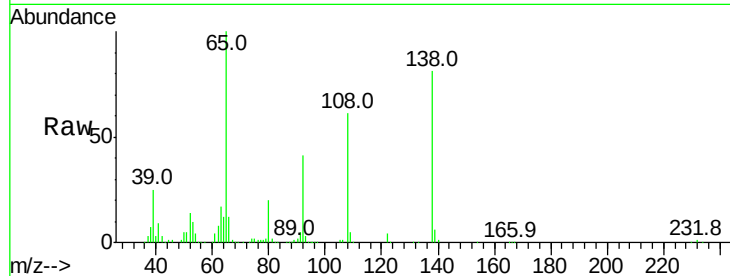




#61
4-Nitroaniline
Concen: 36.374 ng
RT: 10.27 min Scan# 1391
Delta R.T. -0.02 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

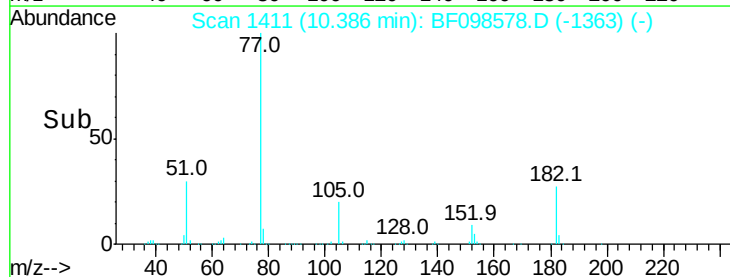
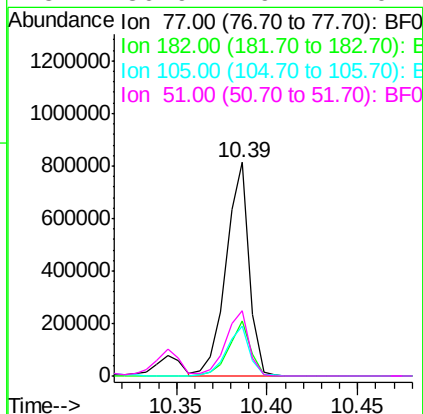
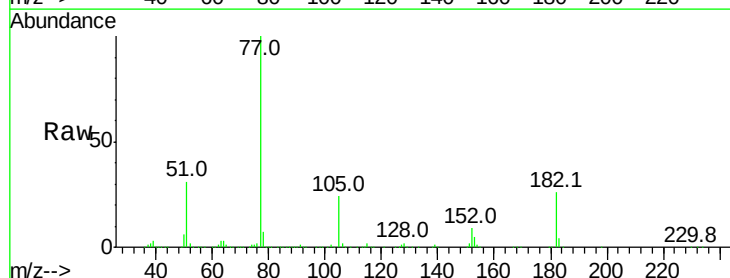
Instrument :
BNA_F
ClientSampleId :
UT5400S16MSD

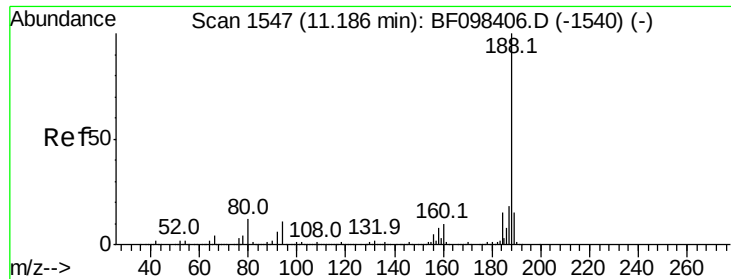
Tot Ion:138 Resp: 194107
Ion Ratio Lower Upper
138 100
92 49.9 21.8 61.8
108 74.7 42.3 82.3



#62
Azobenzene
Concen: 32.952 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.02 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

Tgt Ion: 77 Resp: 719791
Ion Ratio Lower Upper
77 100
182 26.0 0.1 40.1
105 23.7 3.6 43.6
51 30.9 9.4 49.4

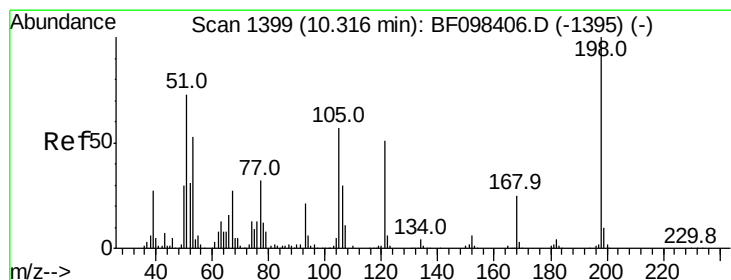
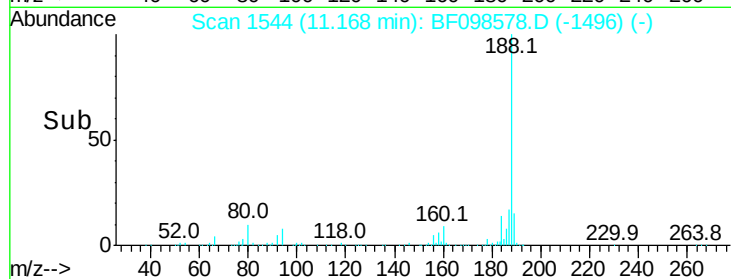
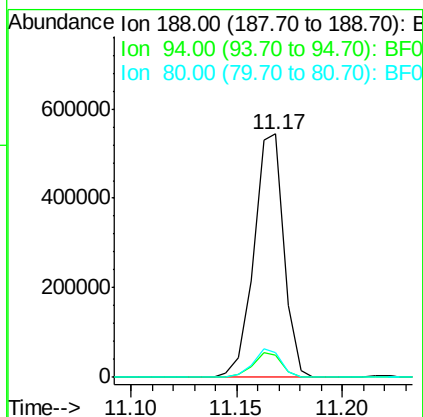
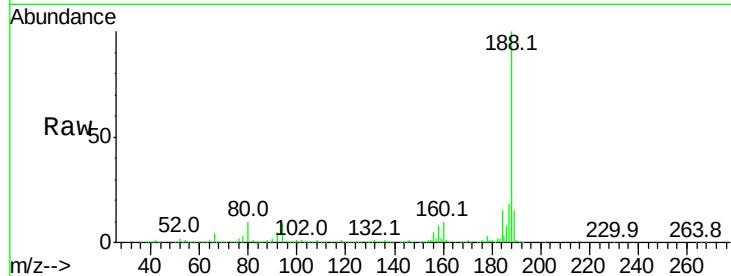




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1544
Delta R.T. -0.02 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

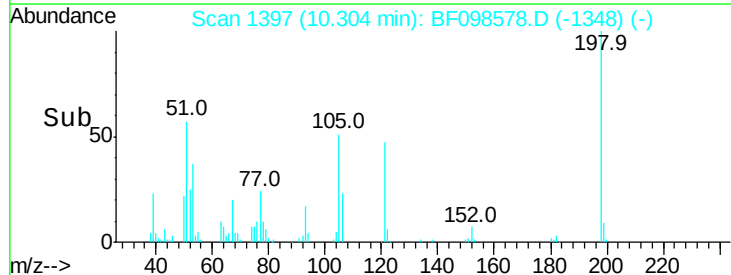
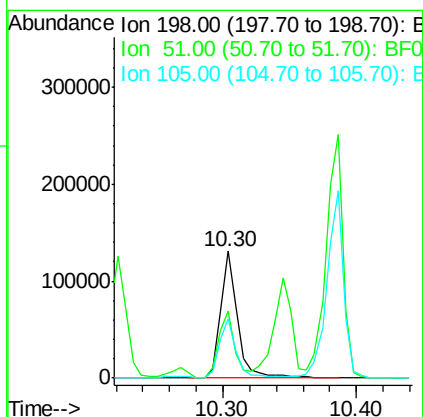
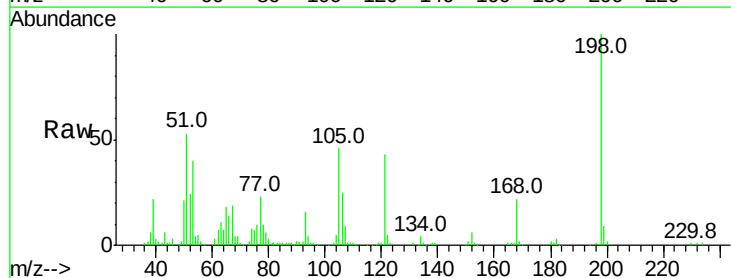
Instrument :
BNA_F
ClientSampleId :
UT5400S16MSD

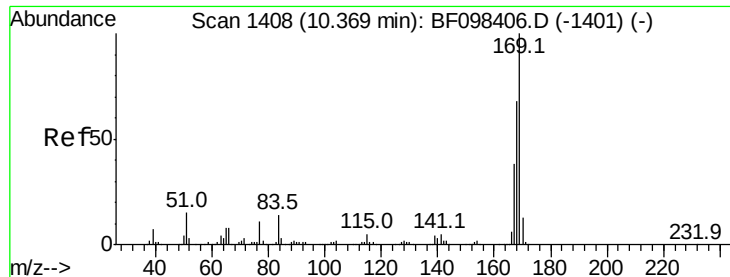
Tot Ion:188 Resp: 538280
Ion Ratio Lower Upper
188 100
94 9.4 9.4 14.2#
80 10.0 10.2 15.2#



#64
4,6-Dinitro-2-methylphenol
Concen: 37.099 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

Tgt Ion:198 Resp: 118331
Ion Ratio Lower Upper
198 100
51 52.7 53.2 93.2#
105 46.3 45.8 85.8





#65

n-Nitrosodiphenylamine

Concen: 35.245 ng

RT: 10.34 min Scan# 1404

Delta R.T. -0.02 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

Instrument :

BNA_F

ClientSampleId :

UT5400S16MSD

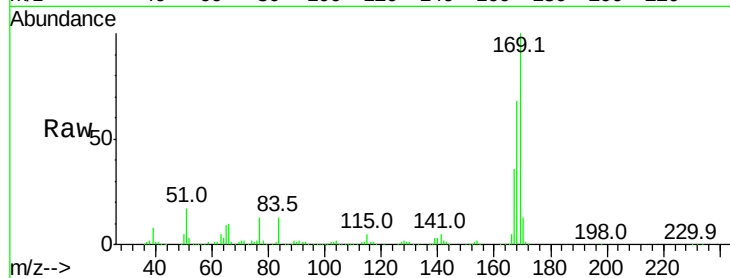
Tot Ion:169 Resp: 616023

Ion Ratio Lower Upper

169 100

168 68.2 53.2 79.8

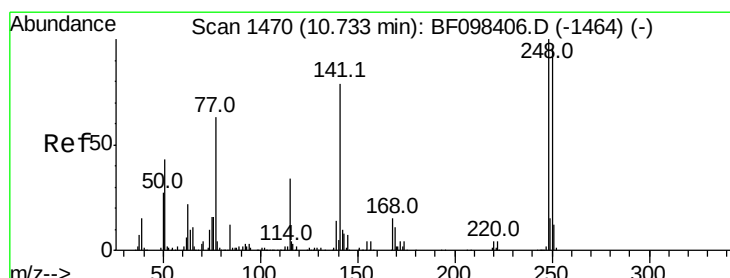
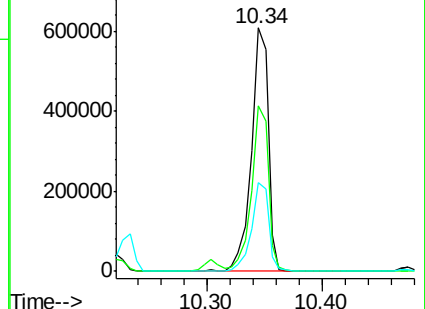
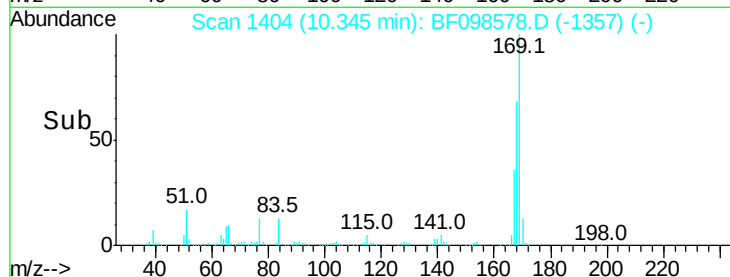
167 36.4 29.5 44.3



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 37.006 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.02 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

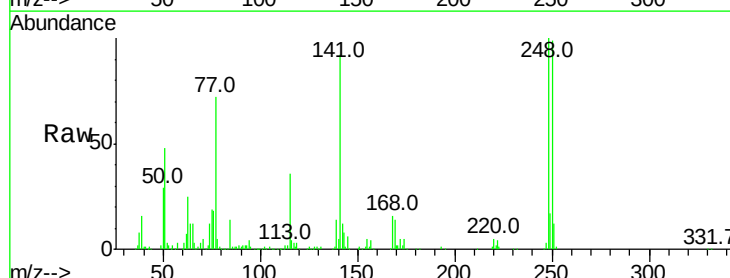
Tgt Ion:248 Resp: 189053

Ion Ratio Lower Upper

248 100

250 98.6 76.8 115.2

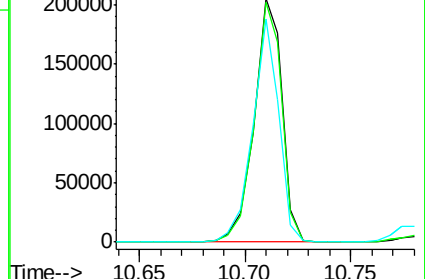
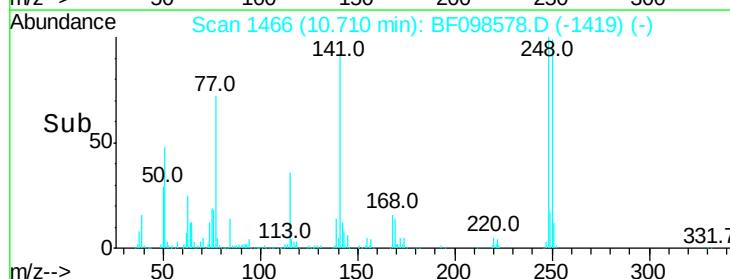
141 91.9 68.6 103.0

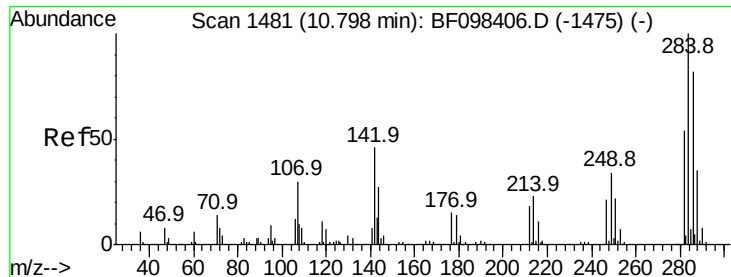


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

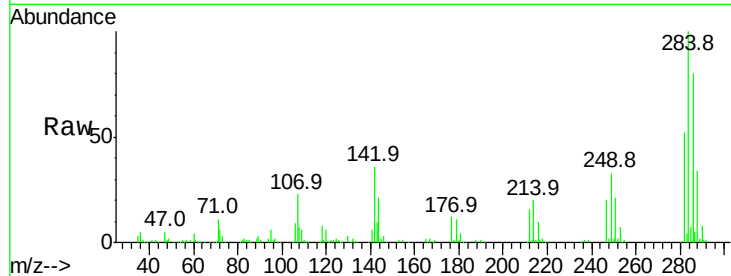




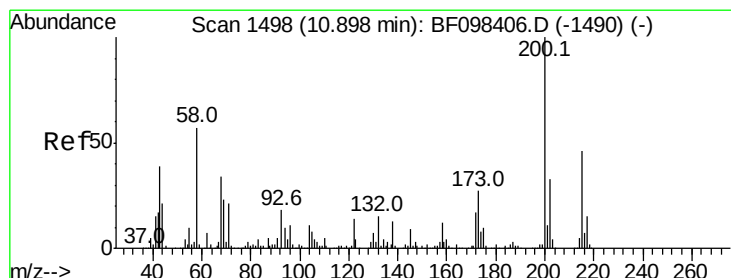
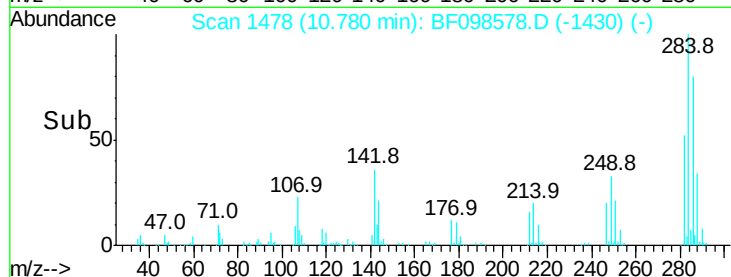
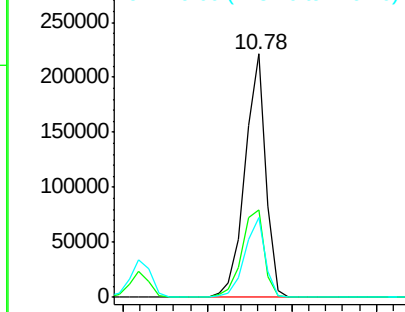
#67
Hexachlorobenzene
Concen: 36.671 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.02 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

Instrument :
BNA_F
ClientSampleId :
UT5400S16MSD

Tot Ion	Ratio	Lower	Upper
284	100		
142	35.8	22.8	34.2#
249	32.7	24.0	36.0

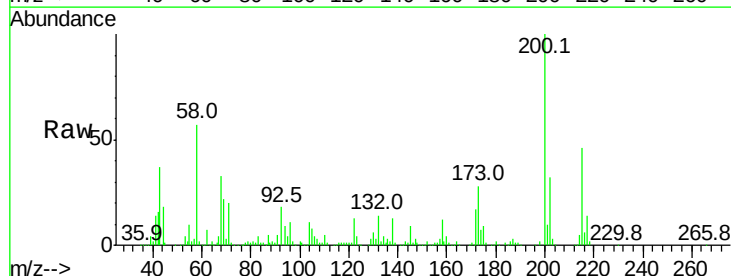


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

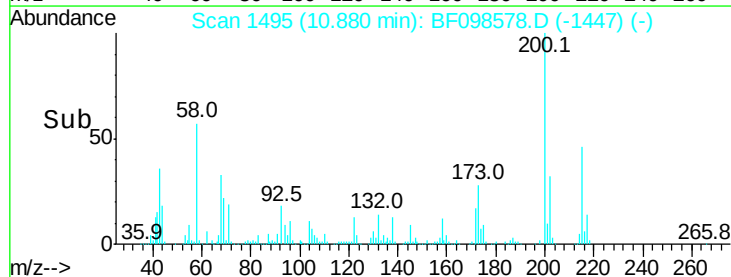
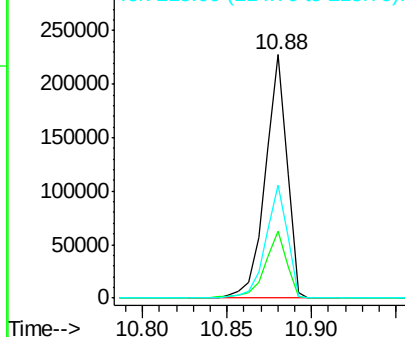


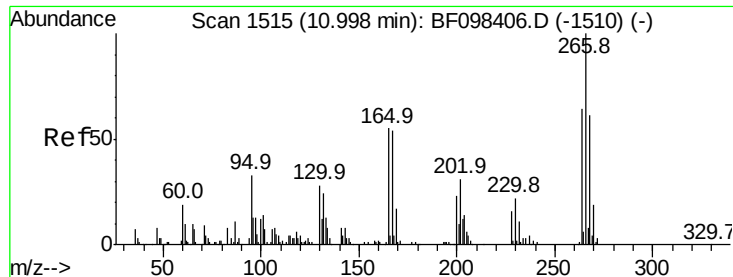
#68
Atrazine
Concen: 37.398 ng
RT: 10.88 min Scan# 1495
Delta R.T. -0.02 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

Tgt Ion	Ratio	Lower	Upper
200	100		
173	27.6	6.3	46.3
215	46.4	27.2	67.2



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

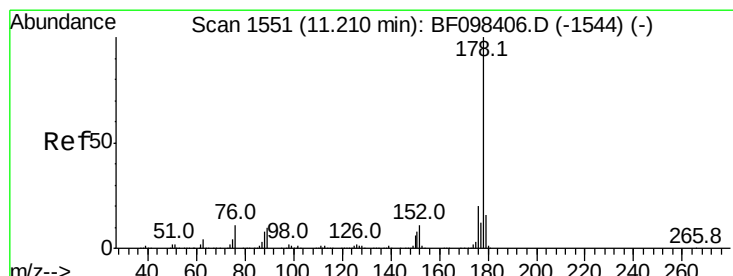
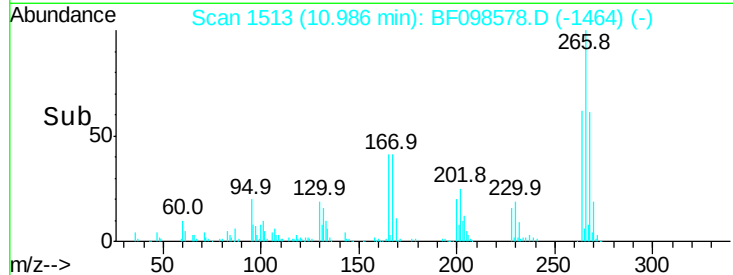
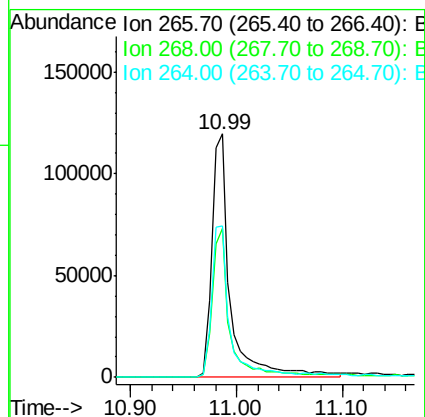
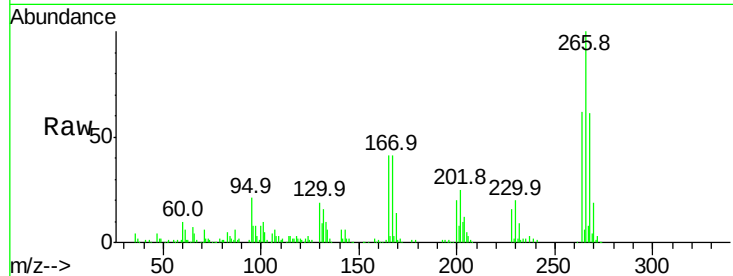




#69
 Pentachlorophenol
 Concen: 65.543 ng
 RT: 10.99 min Scan# 1513
 Delta R.T. -0.01 min
 Lab File: BF098578.D
 Acq: 15 Sep 2017 19:36

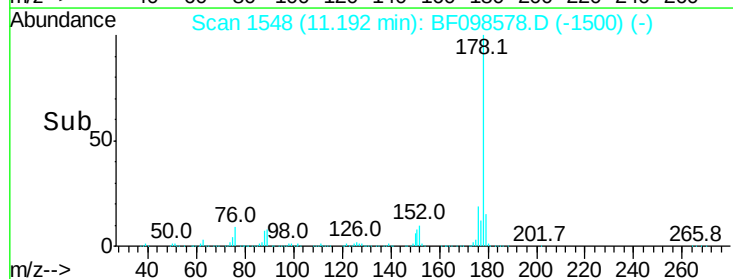
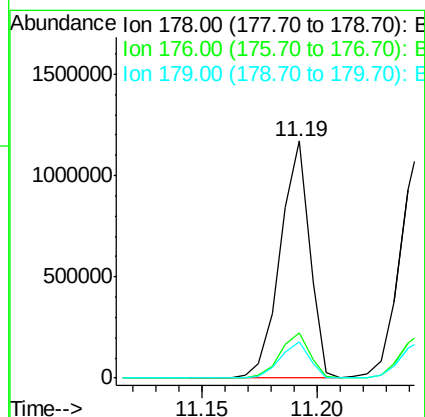
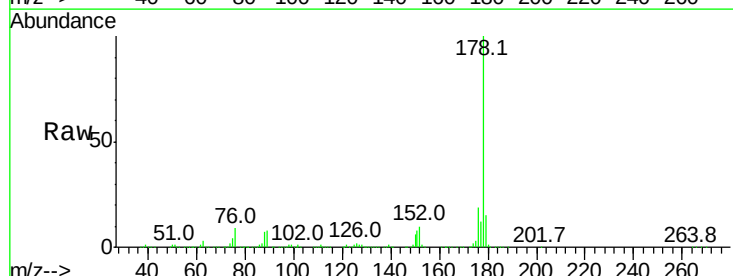
Instrument :
 BNA_F
 ClientSampleId :
 UT5400S16MSD

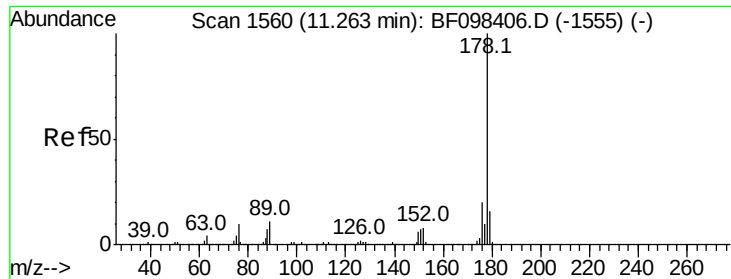
Tot Ion	Ratio	Lower	Upper
266	100		
268	61.2	51.1	76.7
264	62.1	51.7	77.5



#70
 Phenanthrene
 Concen: 36.125 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.02 min
 Lab File: BF098578.D
 Acq: 15 Sep 2017 19:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.2	24.4
179	15.3	12.6	19.0

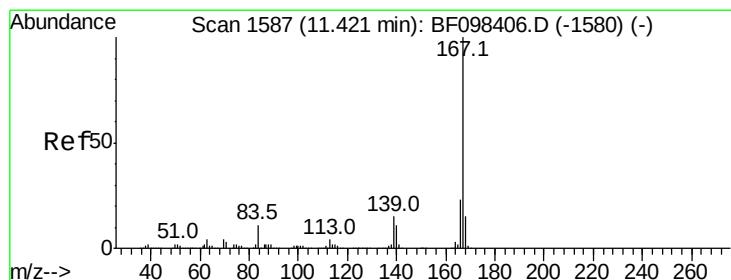
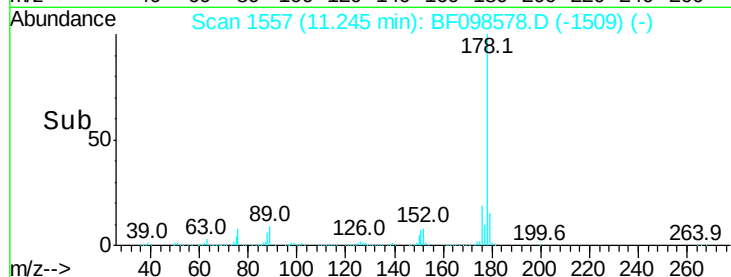
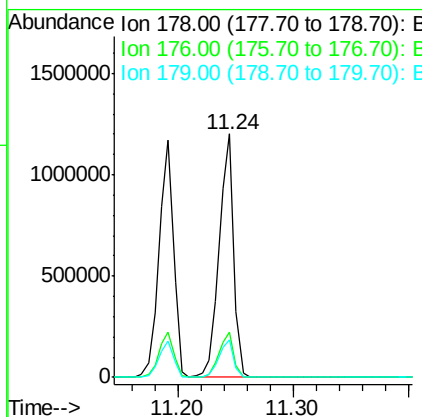
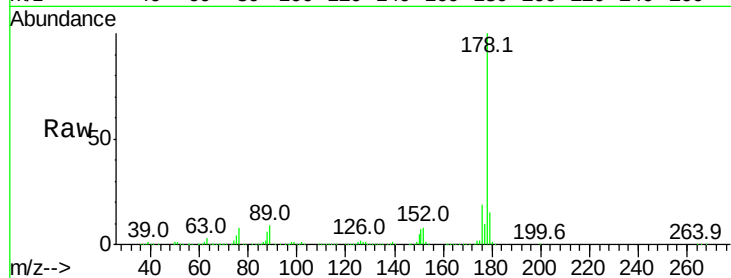




#71
 Anthracene
 Concen: 35.881 ng
 RT: 11.24 min Scan# 1557
 Delta R.T. -0.02 min
 Lab File: BF098578.D
 Acq: 15 Sep 2017 19:36

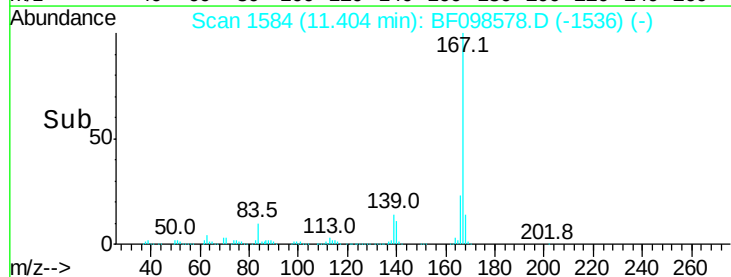
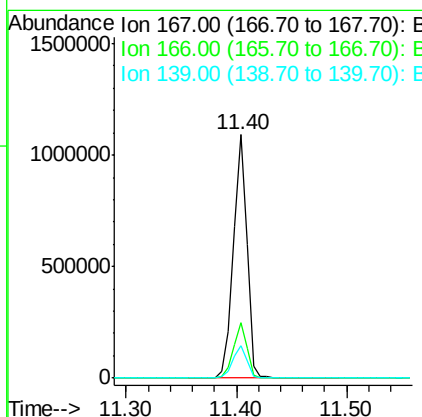
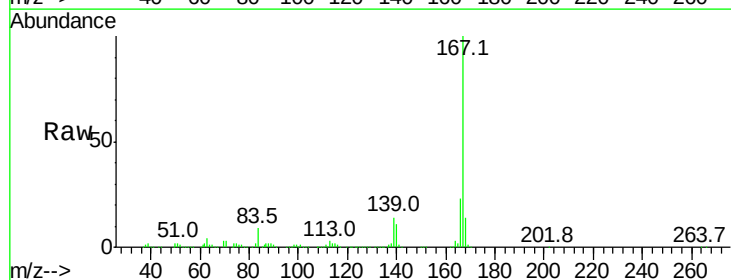
Instrument :
 BNA_F
 ClientSampleId :
 UT5400S16MSD

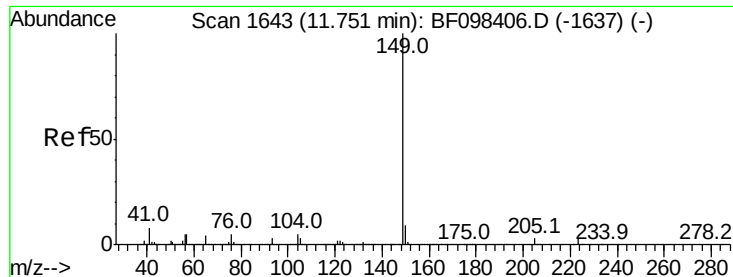
Tot Ion:178 Resp: 1051228
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.8 23.8
 179 15.3 12.7 19.1



#72
 Carbazole
 Concen: 34.938 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.02 min
 Lab File: BF098578.D
 Acq: 15 Sep 2017 19:36

Tgt Ion:167 Resp: 953949
 Ion Ratio Lower Upper
 167 100
 166 22.8 18.1 27.1
 139 13.6 11.7 17.5





#73

Di-n-butylphthalate

Concen: 35.216 ng

RT: 11.73 min Scan# 1640

Delta R.T. -0.02 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

Instrument :

BNA_F

ClientSampleId :

UT5400S16MSD

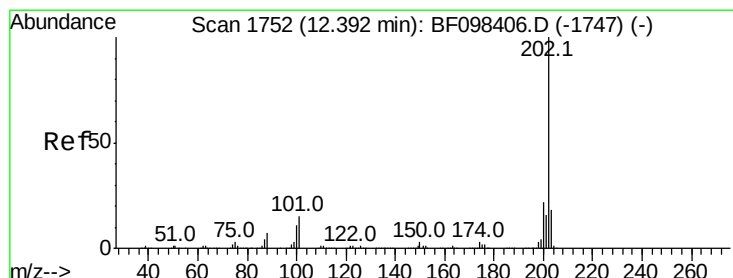
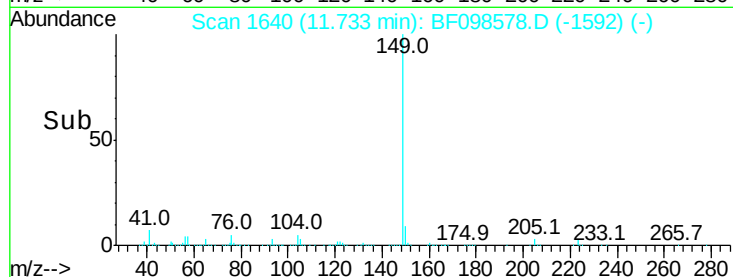
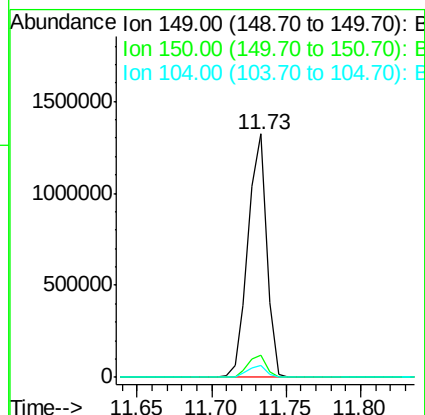
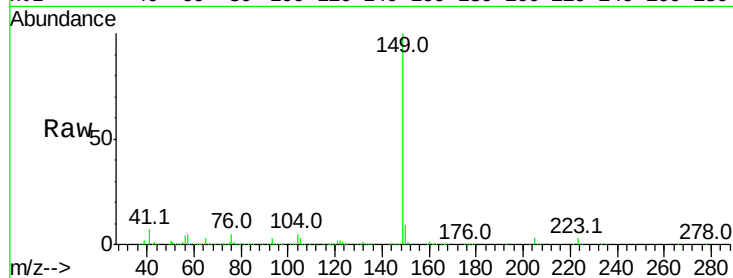
Tot Ion:149 Resp: 1152073

Ion Ratio Lower Upper

149 100

150 9.2 7.7 11.5

104 4.7 4.0 6.0



#74

Fluoranthene

Concen: 37.104 ng

RT: 12.38 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

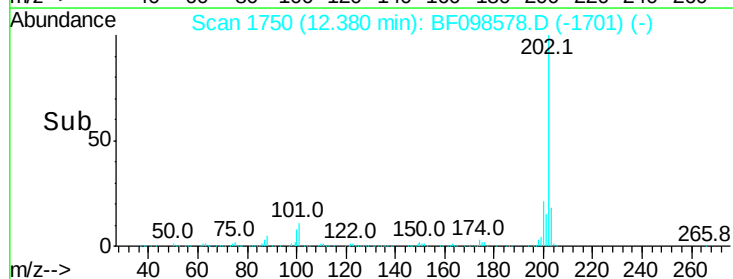
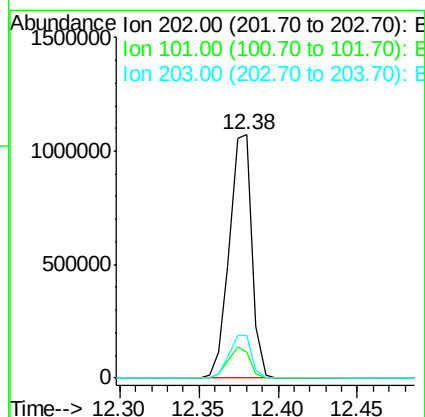
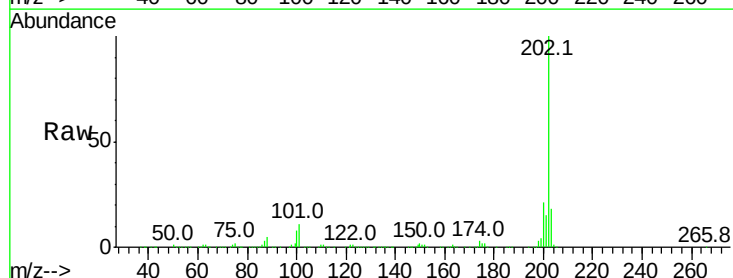
Tgt Ion:202 Resp: 1059921

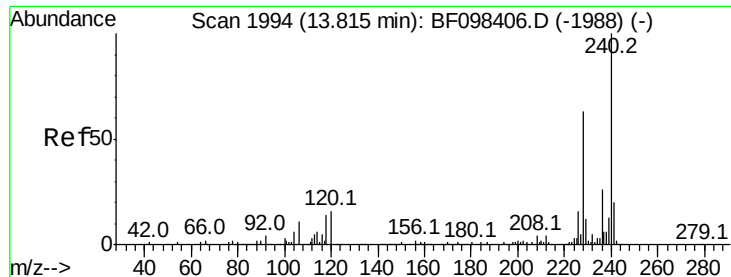
Ion Ratio Lower Upper

202 100

101 10.6 0.0 33.2

203 17.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

Instrument :

BNA_F

ClientSampleId :

UT5400S16MSD

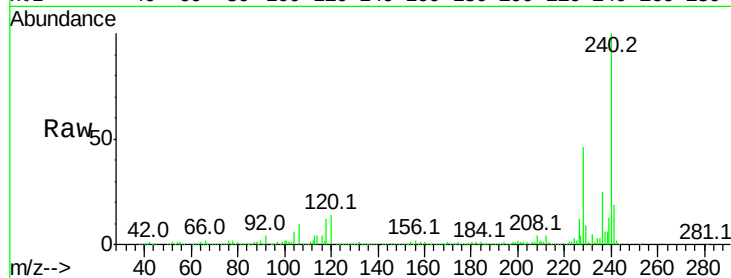
Tot Ion:240 Resp: 387198

Ion Ratio Lower Upper

240 100

120 13.8 5.8 8.8#

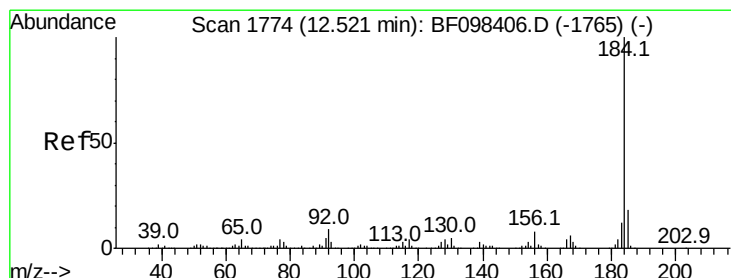
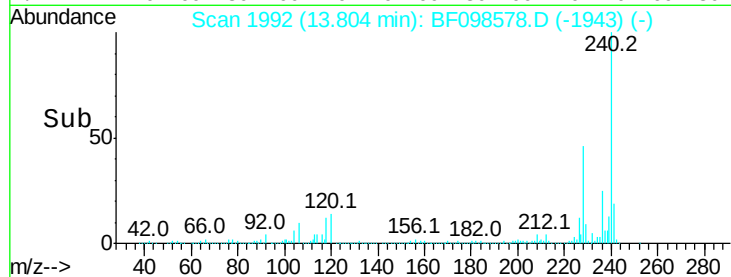
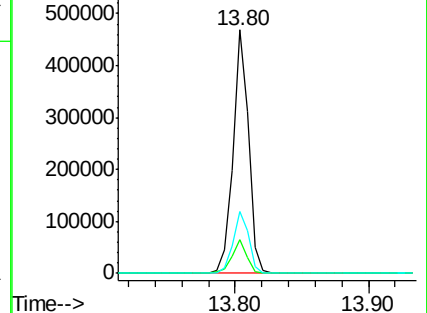
236 25.3 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 8.485 ng

RT: 12.50 min Scan# 1771

Delta R.T. -0.02 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

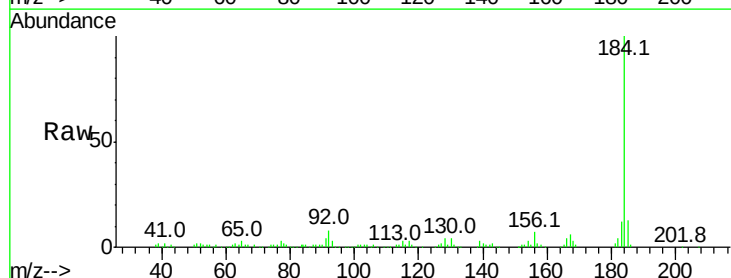
Tgt Ion:184 Resp: 145395

Ion Ratio Lower Upper

184 100

185 13.1 15.5 23.3#

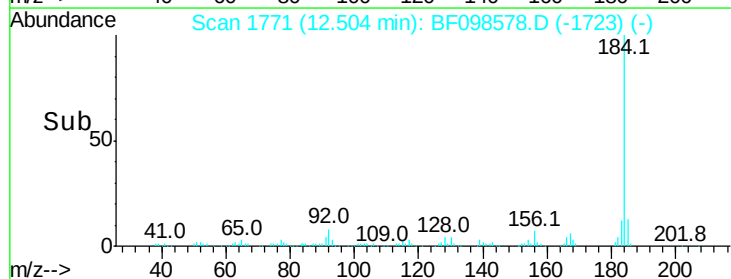
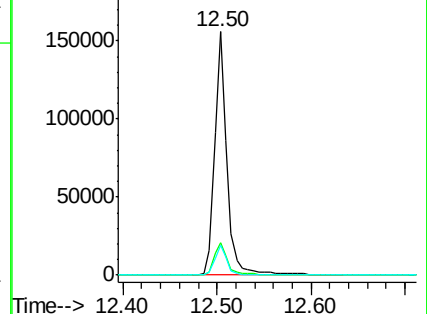
183 12.2 9.8 14.6

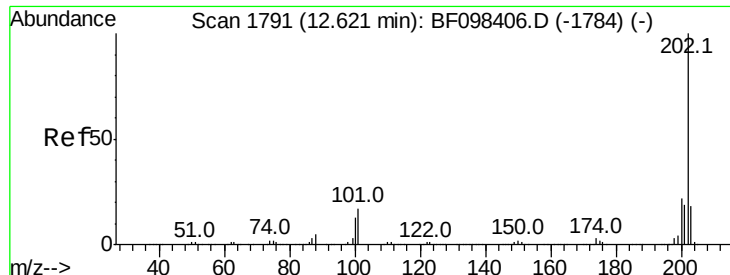


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 35.912 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

Instrument :

BNA_F

ClientSampleId :

UT5400S16MSD

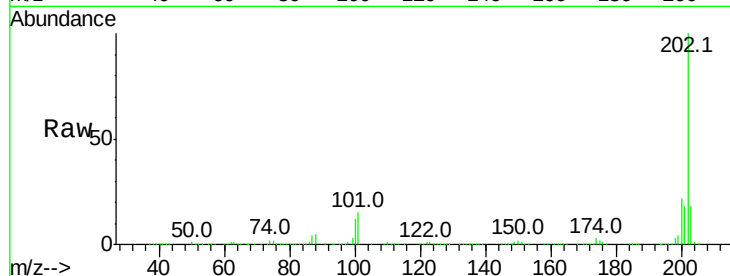
Tot Ion:202 Resp: 1096912

Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

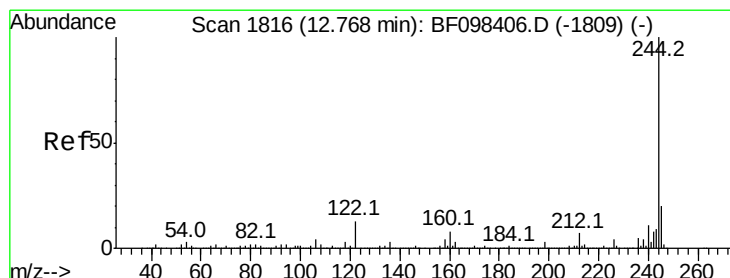
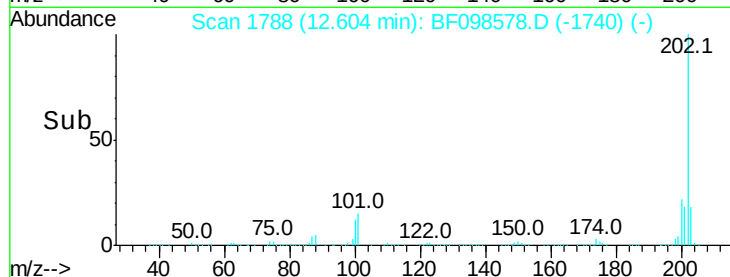
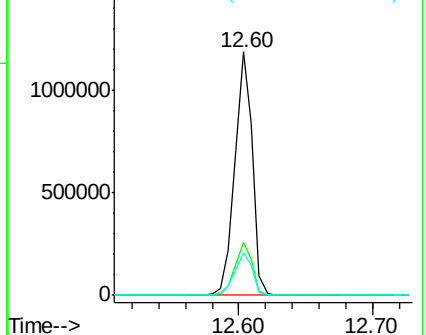
203 17.7 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 64.753 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

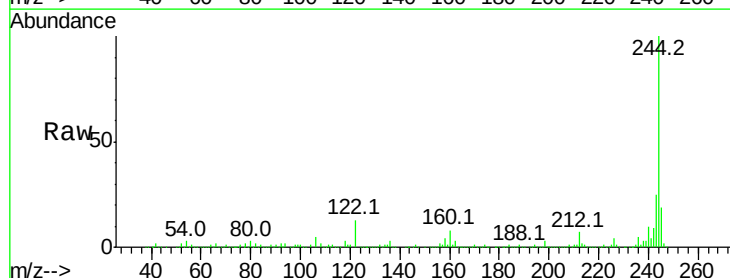
Tgt Ion:244 Resp: 1161572

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

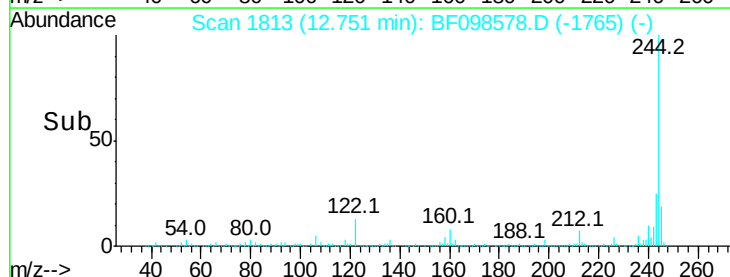
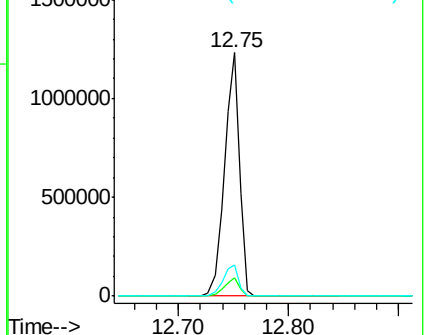
122 12.9 10.3 15.5

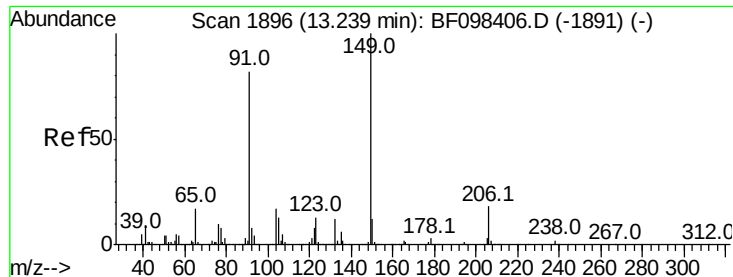


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

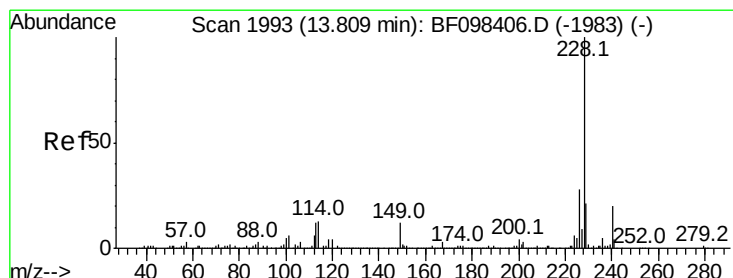
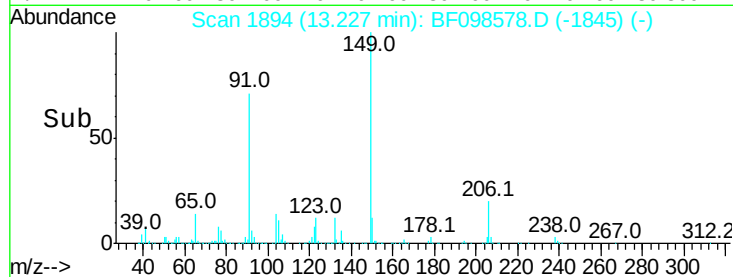
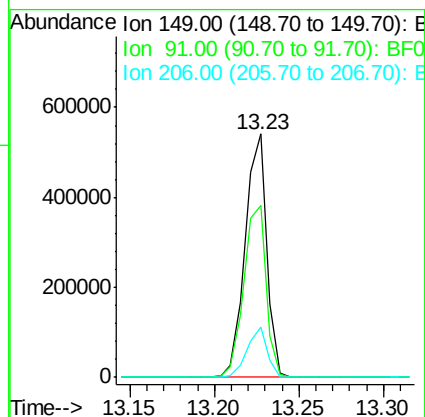
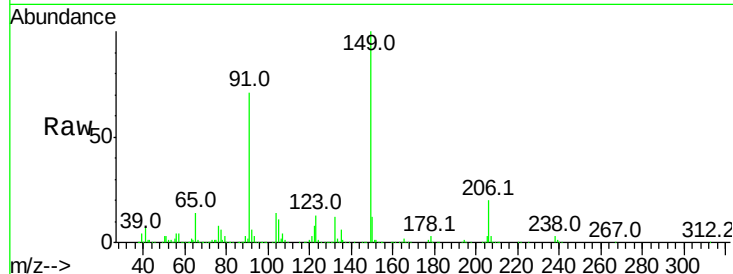




#79
Butylbenzylphthalate
Concen: 36.354 ng
RT: 13.23 min Scan# 1894
Delta R.T. -0.01 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

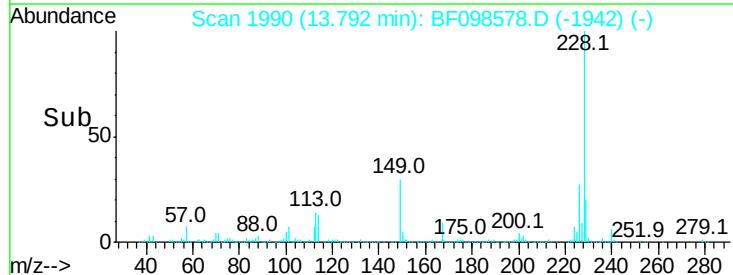
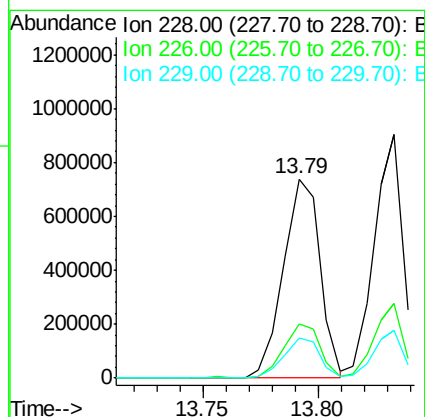
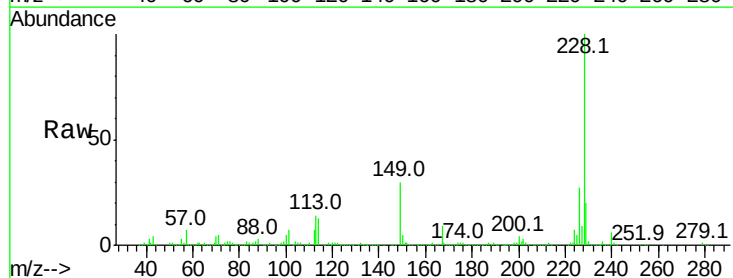
Instrument :
BNA_F
ClientSampleId :
UT5400S16MSD

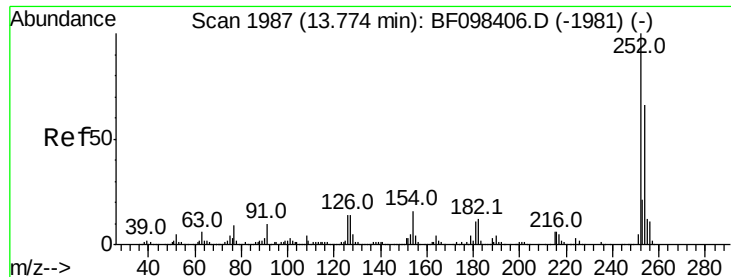
Tot Ion:149 Resp: 481725
Ion Ratio Lower Upper
149 100
91 70.6 45.0 67.4#
206 20.5 17.0 25.6



#80
Benzo(a)anthracene
Concen: 35.747 ng
RT: 13.79 min Scan# 1990
Delta R.T. -0.02 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

Tgt Ion:228 Resp: 811488
Ion Ratio Lower Upper
228 100
226 27.2 22.6 33.8
229 19.8 16.3 24.5





#81

3,3'-Dichlorobenzidine

Concen: 24.252 ng

RT: 13.76 min Scan# 1984

Delta R.T. -0.02 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

Instrument :

BNA_F

ClientSampleId :

UT5400S16MSD

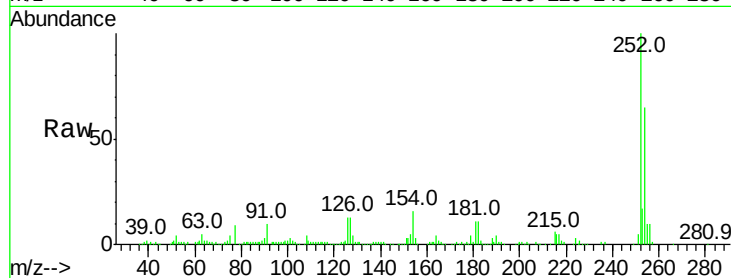
Tot Ion:252 Resp: 213956

Ion Ratio Lower Upper

252 100

254 65.3 51.5 77.3

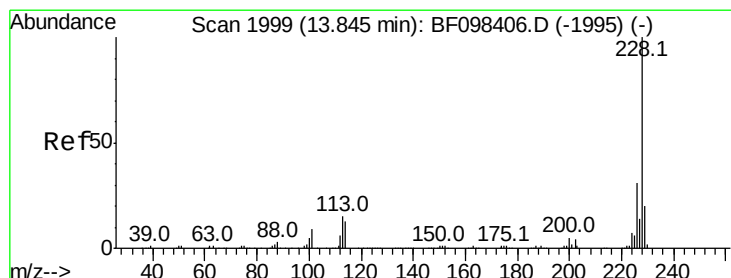
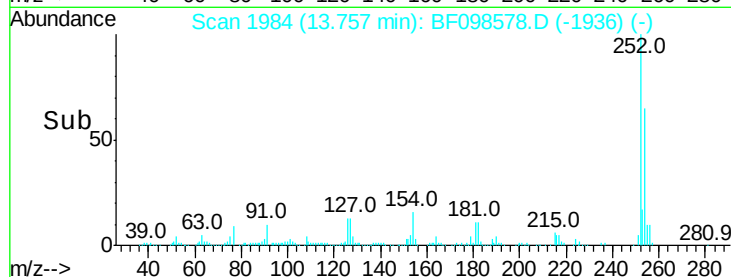
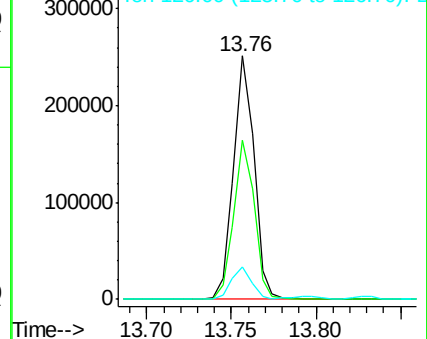
126 13.2 15.8 23.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 34.377 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

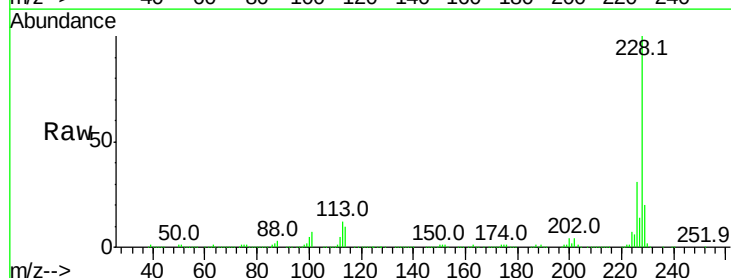
Tgt Ion:228 Resp: 788844

Ion Ratio Lower Upper

228 100

226 30.6 24.9 37.3

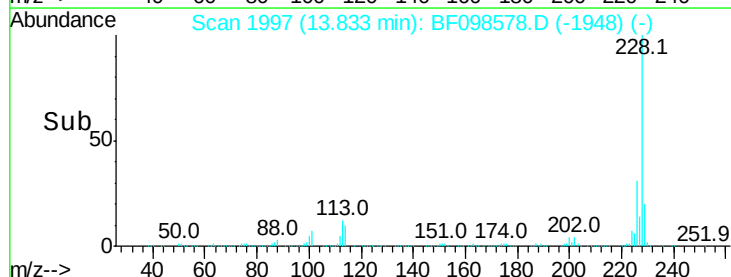
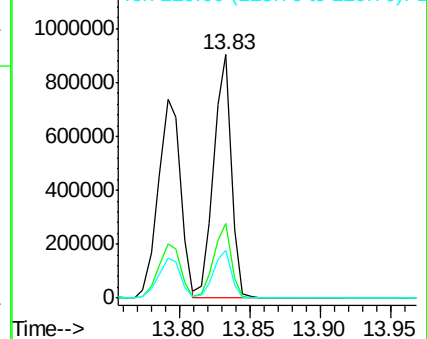
229 19.6 15.8 23.6

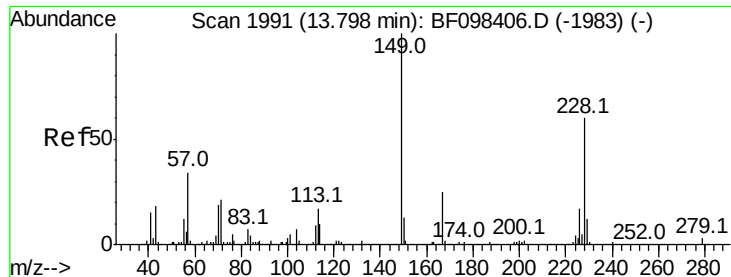


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

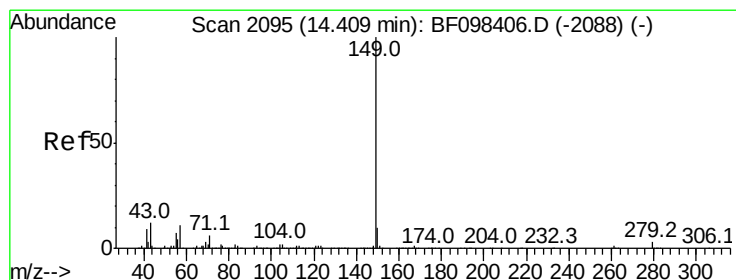
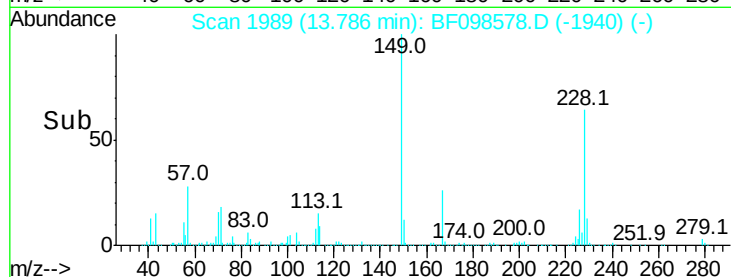
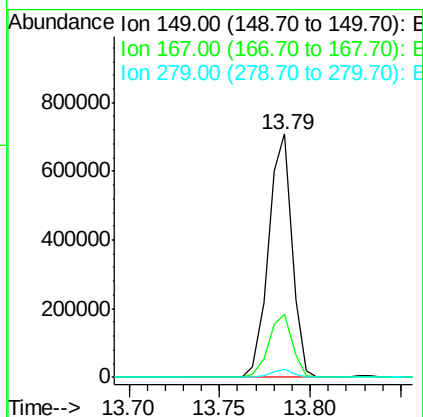
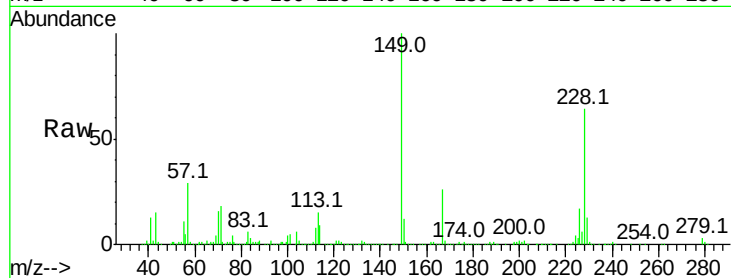




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 38.422 ng
 RT: 13.79 min Scan# 1989
 Delta R.T. -0.01 min
 Lab File: BF098578.D
 Acq: 15 Sep 2017 19:36

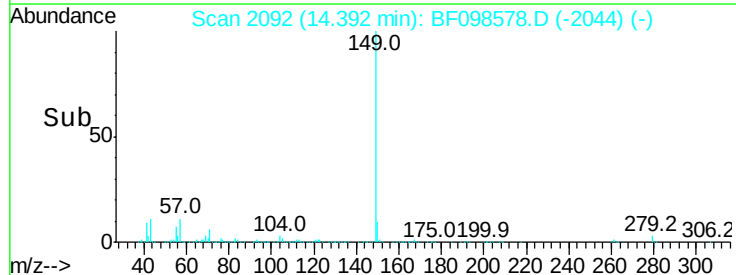
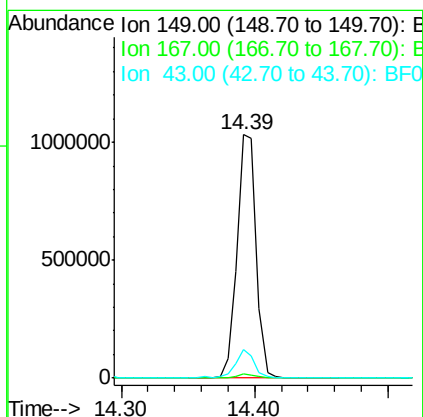
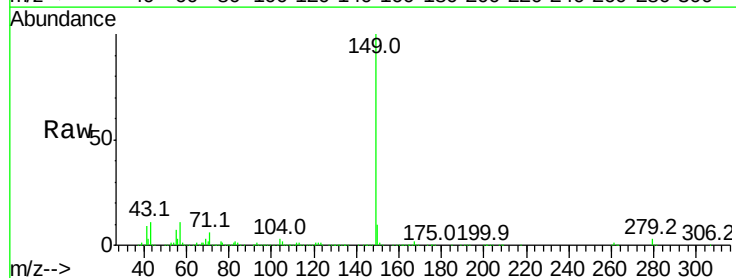
Instrument :
 BNA_F
 ClientSampleId :
 UT5400S16MSD

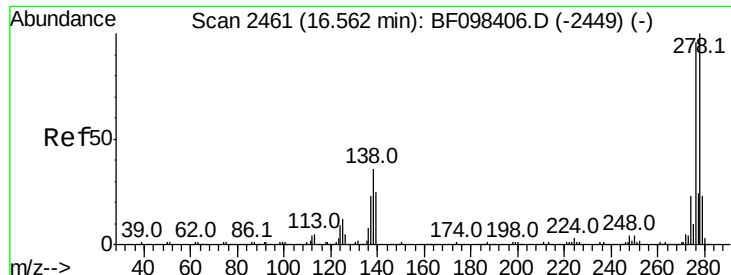
Tot Ion:149 Resp: 638984
 Ion Ratio Lower Upper
 149 100
 167 26.0 21.0 31.4
 279 3.4 1.9 2.9#



#84
 Di-n-octyl phthalate
 Concen: 36.182 ng
 RT: 14.39 min Scan# 2092
 Delta R.T. -0.02 min
 Lab File: BF098578.D
 Acq: 15 Sep 2017 19:36

Tgt Ion:149 Resp: 1032396
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 10.7 8.5 12.7

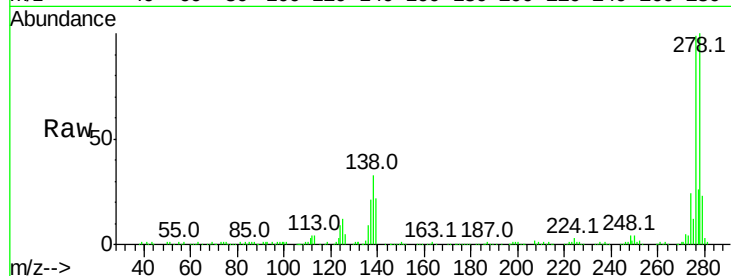




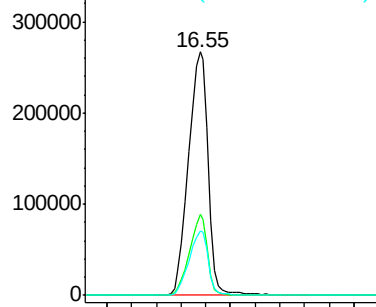
#85
Indeno(1,2,3-cd)pyrene
Concen: 36.952 ng
RT: 16.55 min Scan# 2459
Delta R.T. -0.01 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

Instrument :
BNA_F
ClientSampleId :
UT5400S16MSD

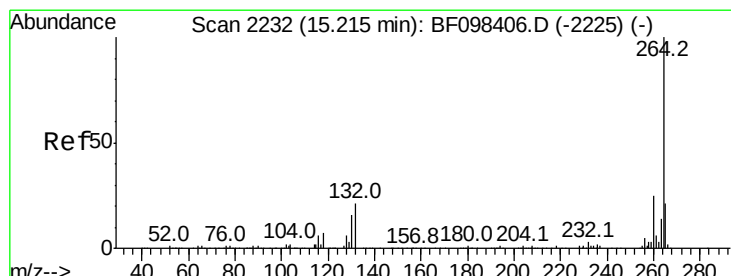
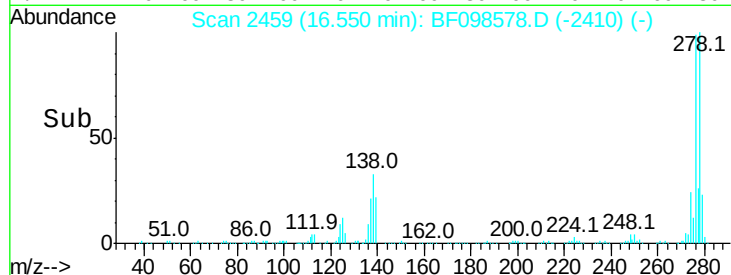
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.1	27.8	41.6
277	25.8	20.2	30.4



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

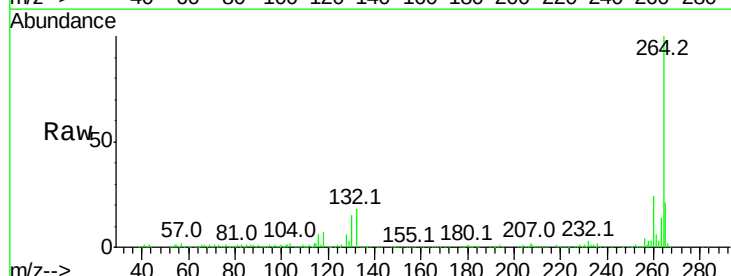


Time--> 16.40 16.60 16.80

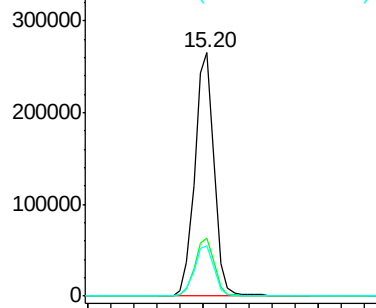


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

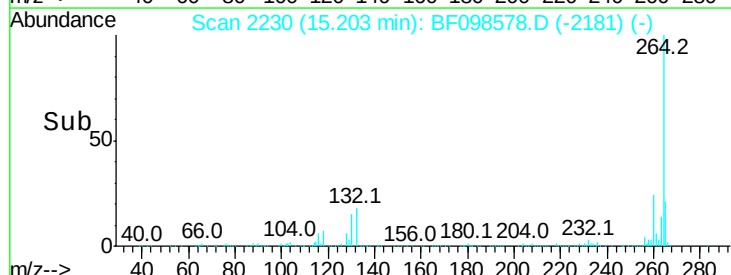
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	20.8	17.2	25.8

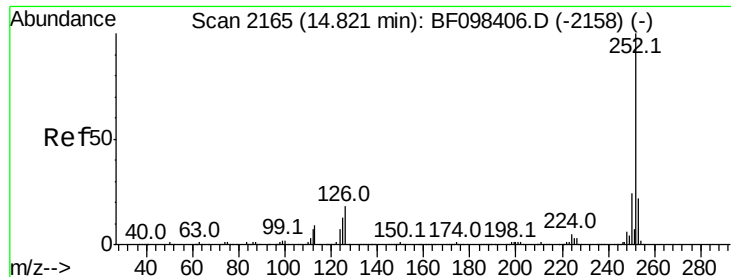


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



Time--> 15.10 15.20 15.30





#87

Benzo(b)fluoranthene

Concen: 34.612 ng

RT: 14.81 min Scan# 2163

Delta R.T. -0.01 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

Instrument :

BNA_F

ClientSampleId :

UT5400S16MSD

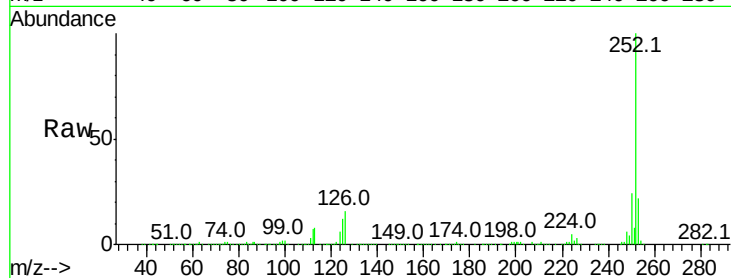
Tot Ion:252 Resp: 666364

Ion Ratio Lower Upper

252 100

253 21.6 18.1 27.1

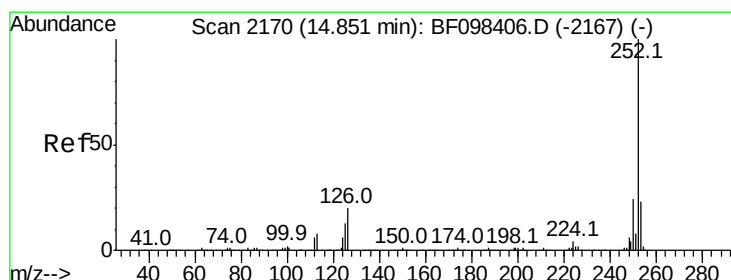
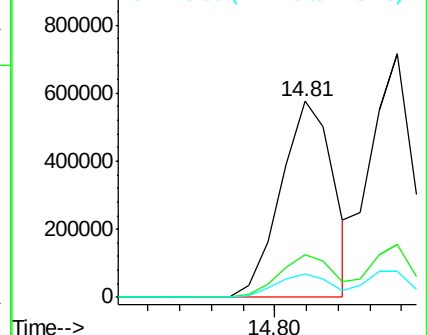
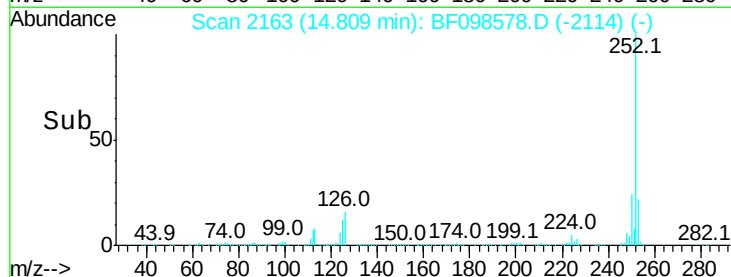
125 11.8 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 37.083 ng

RT: 14.84 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

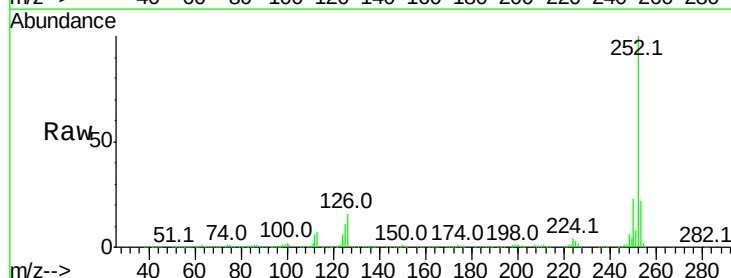
Tgt Ion:252 Resp: 666512

Ion Ratio Lower Upper

252 100

253 22.0 18.4 27.6

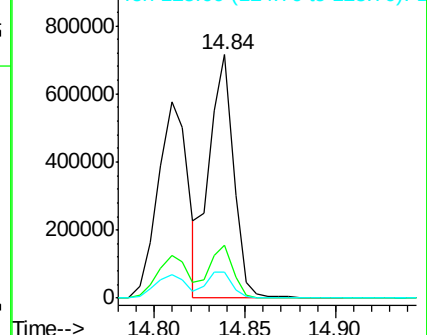
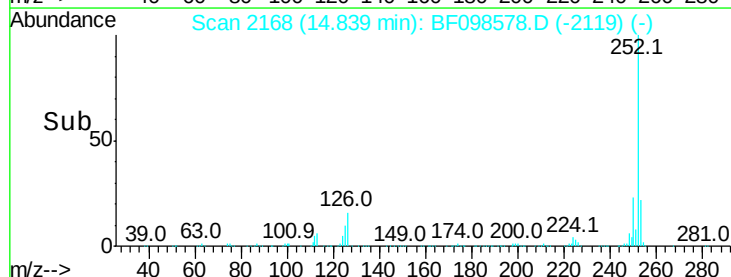
125 10.6 13.1 19.7#

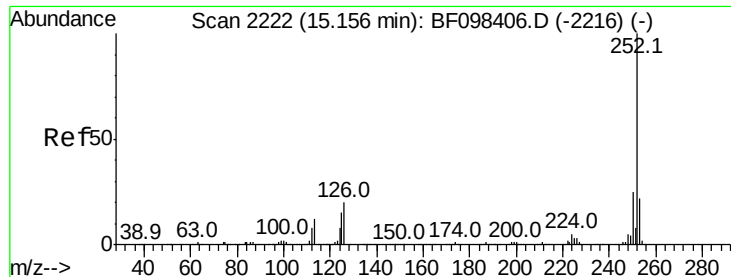


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

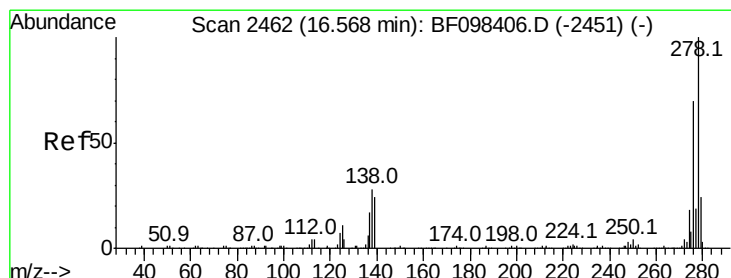
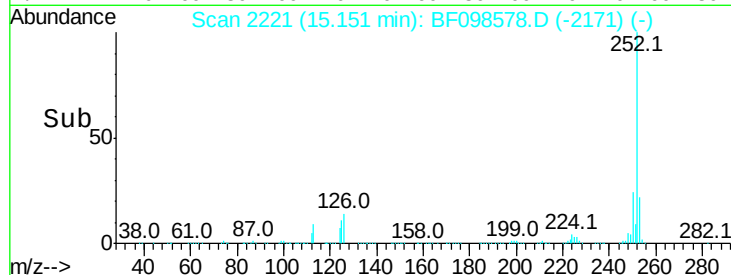
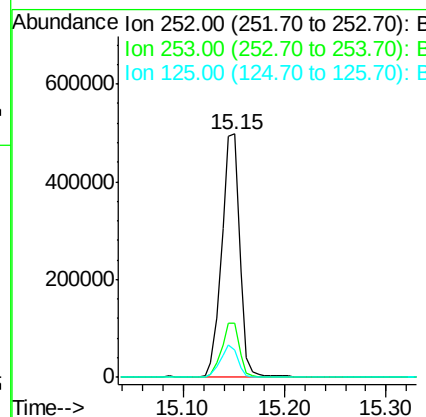
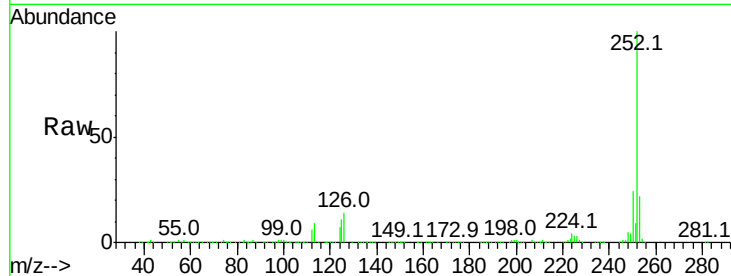




#89
Benzo(a)pyrene
Concen: 35.988 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

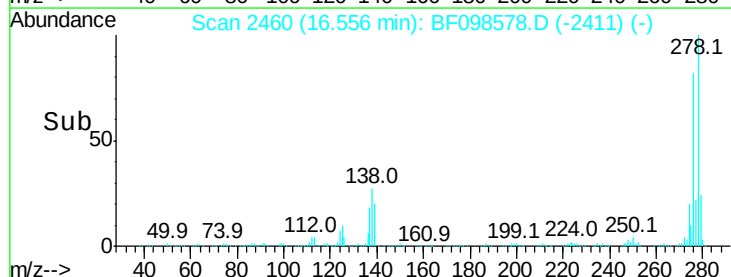
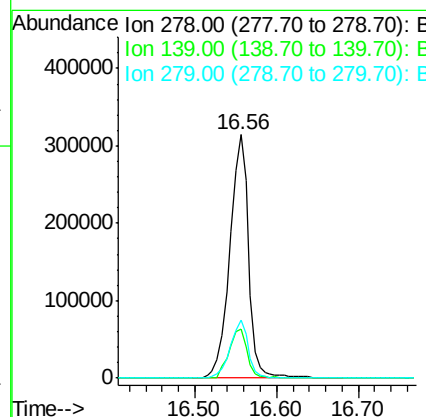
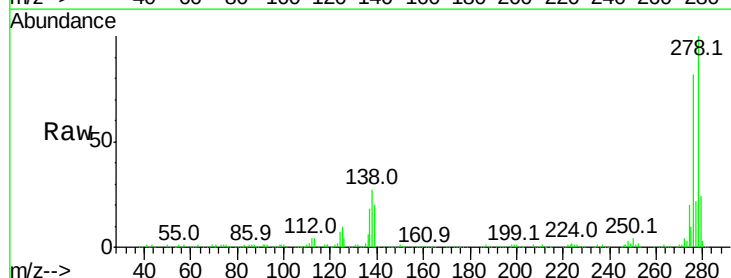
Instrument :
BNA_F
ClientSampleId :
UT5400S16MSD

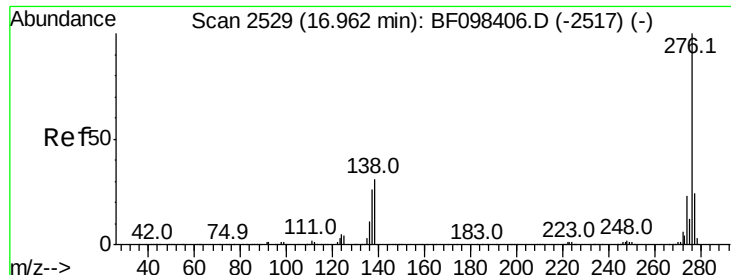
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	11.4	11.0	16.4



#90
Dibenzo(a,h)anthracene
Concen: 40.263 ng
RT: 16.56 min Scan# 2460
Delta R.T. -0.01 min
Lab File: BF098578.D
Acq: 15 Sep 2017 19:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.2	16.6	24.8
279	23.9	19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 39.300 ng

RT: 16.95 min Scan# 2527

Delta R.T. -0.01 min

Lab File: BF098578.D

Acq: 15 Sep 2017 19:36

Instrument :

BNA_F

ClientSampleId :

UT5400S16MSD

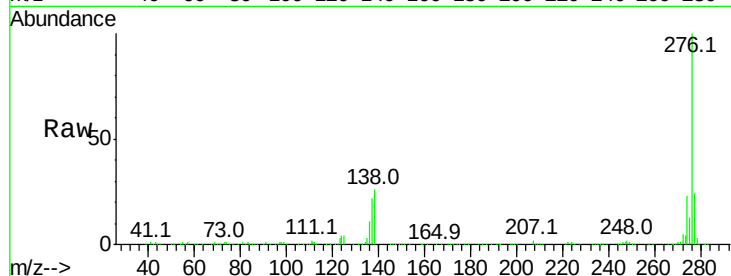
Tot Ion:276 Resp: 493194

Ion Ratio Lower Upper

276 100

277 23.8 18.6 28.0

138 25.9 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

