

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042519\
 Data File : BF113985.D
 Acq On : 25 Apr 2019 18:43
 Operator : JU/SJ
 Sample : K2555-04MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HW-7MSD

Quant Time: Apr 25 23:17:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	109615	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	419671	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	225399	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	483776	20.00	ng	0.00
76) Chrysene-d12	14.06	240	426639	20.00	ng	0.00
87) Perylene-d12	15.54	264	464819	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	372545	58.13	ng	0.00
7) Phenol-d6	6.52	99	314709	39.14	ng	0.00
23) Nitrobenzene-d5	7.46	82	680586	100.13	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	378212	137.74	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1352737	93.87	ng	0.00
79) Terphenyl-d14	13.00	244	1913642	91.96	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.67	88	50621	16.756	ng	96
3) Pyridine	3.45	79	126066	15.288	ng	96
4) n-Nitrosodimethylamine	3.37	42	46008	16.299	ng	91
6) Aniline	6.55	93	248931	22.545	ng	99
8) 2-Chlorophenol	6.68	128	236041	32.259	ng	99
9) Benzaldehyde	6.44	77	90578	15.482	ng	97
10) Phenol	6.53	94	124217	12.919	ng	96
11) bis(2-Chloroethyl)ether	6.63	93	300406	41.519	ng	97
12) 1,3-Dichlorobenzene	6.84	146	322035	38.860	ng	98
13) 1,4-Dichlorobenzene	6.92	146	324079	38.881	ng	100
14) 1,2-Dichlorobenzene	7.07	146	311420	40.654	ng	98
15) Benzyl Alcohol	7.03	79	157140	29.017	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.17	45	346711	41.050	ng	93
17) 2-Methylphenol	7.15	107	177992	27.751	ng	99
18) Hexachloroethane	7.41	117	107320	36.730	ng	95
19) n-Nitroso-di-n-propylamine	7.30	70	226753	43.547	ng	97
20) 3+4-Methylphenols	7.30	107	190418	26.277	ng	# 21
22) Acetophenone	7.30	105	449417	48.122	ng	# 94
24) Nitrobenzene	7.47	77	344861	45.918	ng	99
25) Isophorone	7.72	82	629874	45.290	ng	99
26) 2-Nitrophenol	7.79	139	152384	44.475	ng	98
27) 2,4-Dimethylphenol	7.83	122	225594	40.412	ng	99
28) bis(2-Chloroethoxy)methane	7.92	93	396627	44.755	ng	99
29) 2,4-Dichlorophenol	8.03	162	249380	39.066	ng	100
30) 1,2,4-Trichlorobenzene	8.12	180	299099	42.022	ng	98
31) Naphthalene	8.20	128	890241	44.653	ng	98
32) Benzoic acid	7.91	122	44982	11.932	ng	96
33) 4-Chloroaniline	8.24	127	219103	25.973	ng	99
34) Hexachlorobutadiene	8.32	225	170446	38.414	ng	98
35) Caprolactam	8.60	113	15260	7.515	ng	89
36) 4-Chloro-3-methylphenol	8.72	107	235490	37.236	ng	97
37) 2-Methylnaphthalene	8.89	142	622817	46.326	ng	98
38) 1-Methylnaphthalene	8.99	142	589465	45.428	ng	96
40) 1,2,4,5-Tetrachlorobenzene	9.06	216	329572	45.013	ng	99

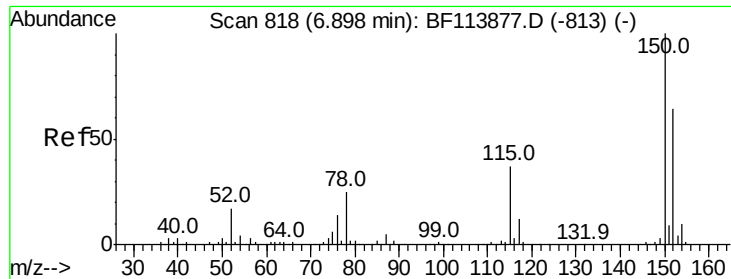
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042519\
 Data File : BF113985.D
 Acq On : 25 Apr 2019 18:43
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 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.05	237	348907	85.456	ng	100
43) 2,4,6-Trichlorophenol	9.17	196	197951	42.577	ng	98
44) 2,4,5-Trichlorophenol	9.21	196	226980	43.526	ng	99
46) 1,1'-Biphenyl	9.36	154	799144	46.411	ng	98
47) 2-Chloronaphthalene	9.38	162	648595	46.320	ng	98
48) 2-Nitroaniline	9.47	65	187390	51.049	ng	97
49) Acenaphthylene	9.80	152	1006836	45.929	ng	99
50) Dimethylphthalate	9.66	163	804727	49.366	ng	99
51) 2,6-Dinitrotoluene	9.71	165	184450	52.742	ng	91
52) Acenaphthene	9.97	154	661439	51.056	ng	98
53) 3-Nitroaniline	9.88	138	117000	31.837	ng	91
54) 2,4-Dinitrophenol	9.99	184	145846	94.685	ng	# 1
55) Dibenzofuran	10.14	168	939970	48.437	ng	98
56) 4-Nitrophenol	10.04	139	101790	34.983	ng	99
57) 2,4-Dinitrotoluene	10.12	165	249425	56.504	ng	98
58) Fluorene	10.49	166	713597	48.842	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.26	232	214031	46.704	ng	98
60) Diethylphthalate	10.35	149	779252	50.339	ng	99
61) 4-Chlorophenyl-phenylether	10.47	204	378768	48.952	ng	99
62) 4-Nitroaniline	10.49	138	177817	49.583	ng	98
63) Azobenzene	10.63	77	719685	47.969	ng	97
65) 4,6-Dinitro-2-methylphenol	10.53	198	100807	45.849	ng	99
66) n-Nitrosodiphenylamine	10.59	169	660491	45.501	ng	98
67) 4-Bromophenyl-phenylether	10.96	248	253317	43.345	ng	97
68) Hexachlorobenzene	11.03	284	284996	44.377	ng	98
69) Atrazine	11.12	200	231372	48.998	ng	99
70) Pentachlorophenol	11.23	266	301087	82.803	ng	98
71) Phenanthrene	11.44	178	1148882	47.255	ng	99
72) Anthracene	11.50	178	1182681	48.171	ng	99
73) Carbazole	11.64	167	1077115	49.175	ng	100
74) Di-n-butylphthalate	11.97	149	1283776	49.825	ng	100
75) Fluoranthene	12.63	202	1299562	48.993	ng	98
77) Benzidine	12.74	184	560475	44.090	ng	97
78) Pyrene	12.86	202	1314828	44.069	ng	99
80) Butylbenzylphthalate	13.47	149	590384	50.294	ng	96
81) Benzo(a)anthracene	14.05	228	1244026	49.490	ng	100
82) 3,3'-Dichlorobenzidine	14.01	252	356117	38.652	ng	# 98
83) Chrysene	14.09	228	1249137	51.025	ng	99
84) Bis(2-ethylhexyl)phthalate	14.04	149	817033	54.705	ng	100
85) Di-n-octyl phthalate	14.66	149	1416504	60.593	ng	98
86) Indeno(1,2,3-cd)pyrene	17.04	276	1258507	54.272	ng	99
88) Benzo(b)fluoranthene	15.12	252	1384287	47.071	ng	98
89) Benzo(k)fluoranthene	15.15	252	1193485	47.179	ng	99
90) Benzo(a)pyrene	15.49	252	1220026	47.962	ng	99
91) Dibenzo(a,h)anthracene	17.07	278	1059202	44.358	ng	100
92) Benzo(g,h,i)perylene	17.50	276	1020301	42.341	ng	98

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

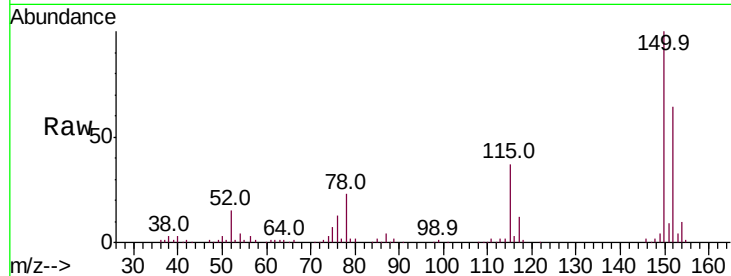


#1

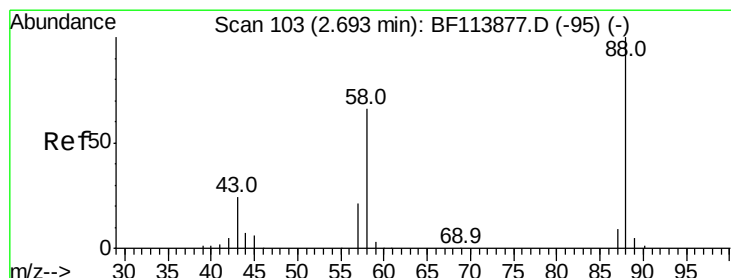
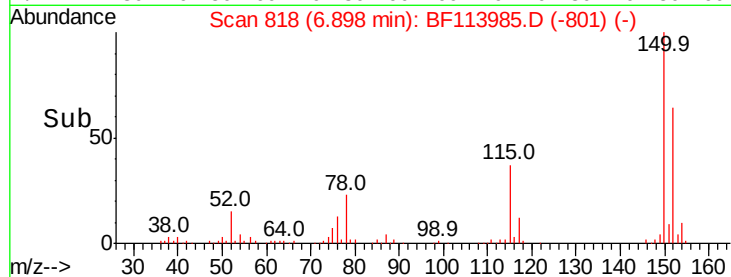
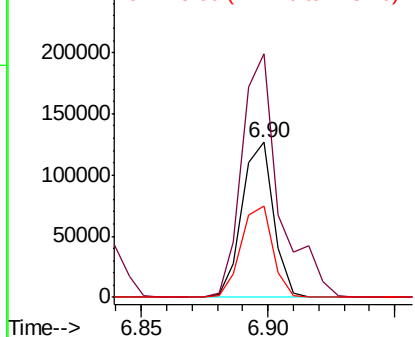
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

Instrument :
BNA_F
ClientSampled :
HW-7MSD

Tot Ion:152 Resp: 109615
Ion Ratio Lower Upper
152 100
150 156.9 125.9 188.9
115 58.5 45.9 68.9



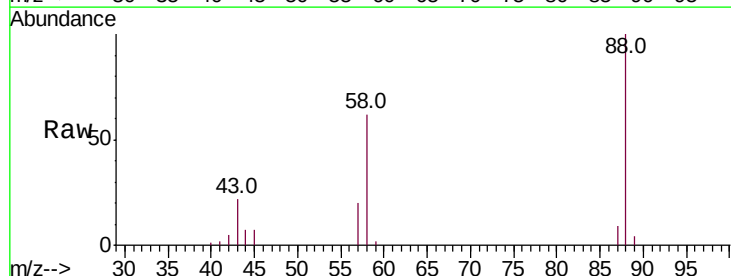
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



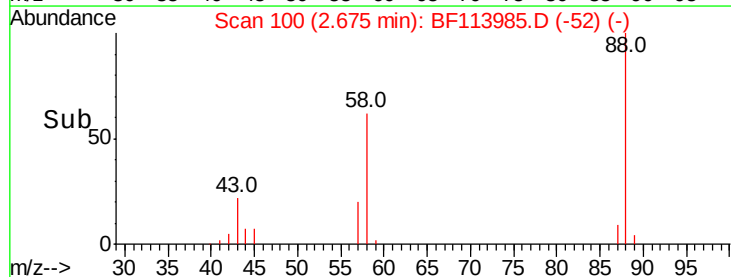
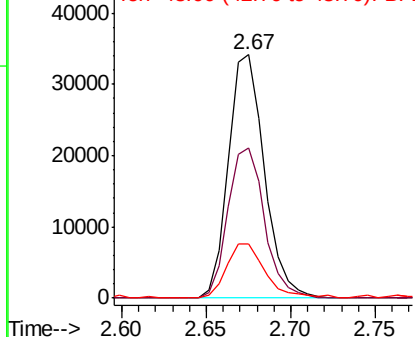
#2

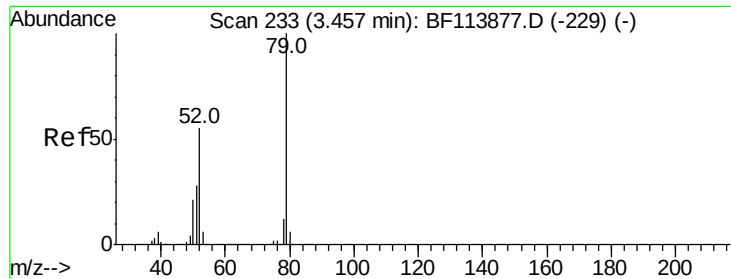
1,4-Dioxane
Concen: 16.756 ng
RT: 2.67 min Scan# 100
Delta R.T. -0.02 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

Tgt Ion: 88 Resp: 50621
Ion Ratio Lower Upper
88 100
58 62.4 53.3 79.9
43 24.4 19.0 28.4



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





#3

Pvridine

Concen: 15.288 ng

RT: 3.45 min Scan# 231

Delta R.T. -0.01 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

Instrument :

BNA_F

ClientSampleId :

HW-7MSD

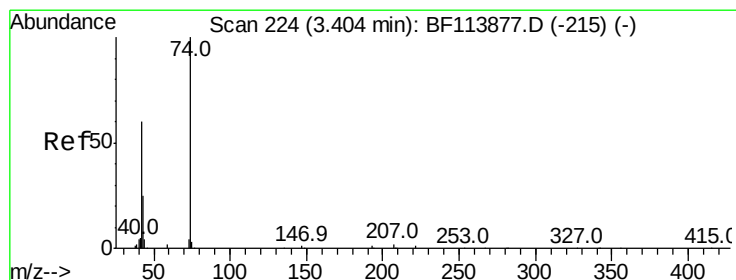
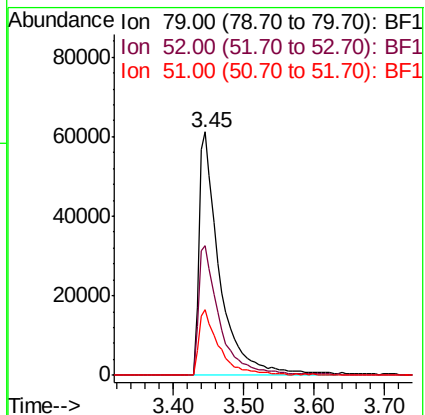
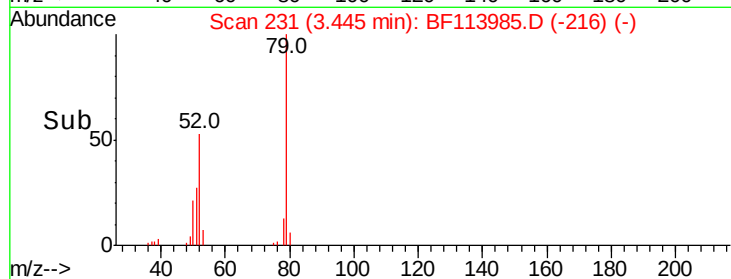
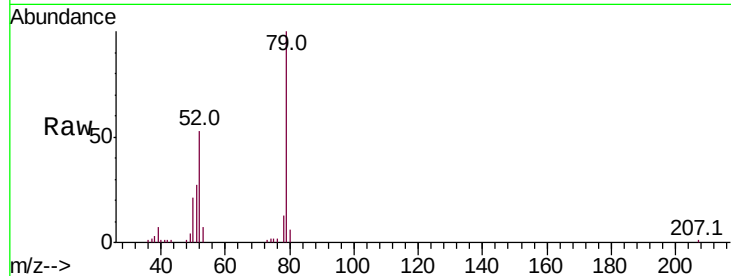
Tot Ion: 79 Resp: 126066

Ion Ratio Lower Upper

79 100

52 53.2 45.3 67.9

51 27.0 22.1 33.1



#4

n-Nitrosodimethylamine

Concen: 16.299 ng

RT: 3.37 min Scan# 218

Delta R.T. -0.04 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

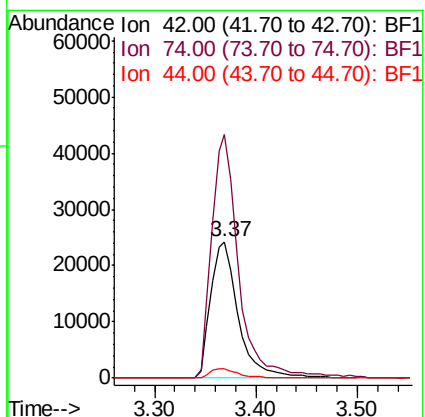
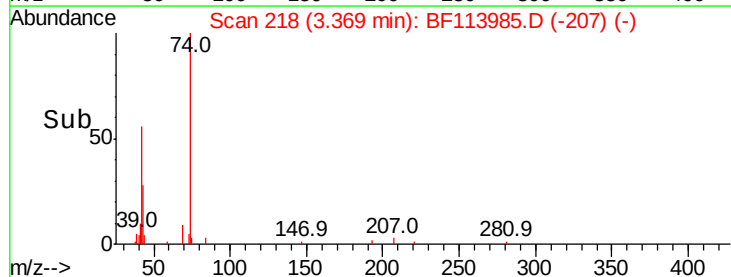
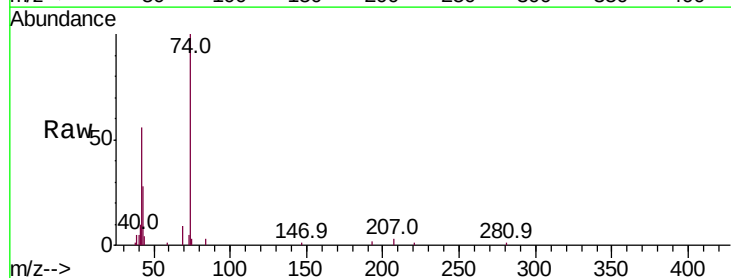
Tgt Ion: 42 Resp: 46008

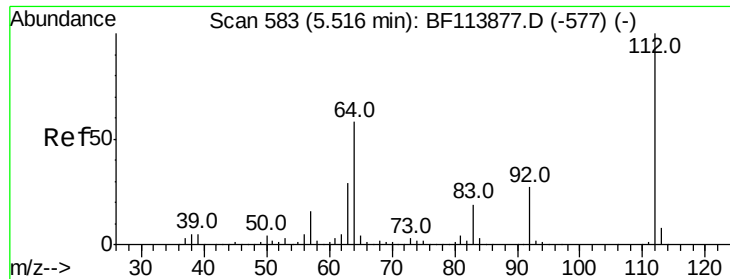
Ion Ratio Lower Upper

42 100

74 178.7 132.6 198.8

44 6.6 5.8 8.8





#5

2-Fluorophenol

Concen: 58.129 ng

RT: 5.52 min Scan# 583

Delta R.T. -0.00 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

Instrument :

BNA_F

ClientSampled :

HW-7MSD

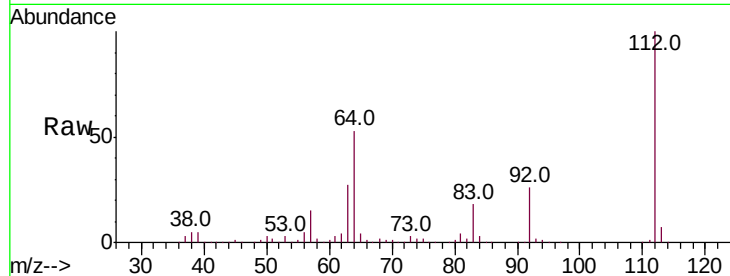
Tot Ion: 112 Resp: 372545

Ion Ratio Lower Upper

112 100

64 53.2 46.6 69.8

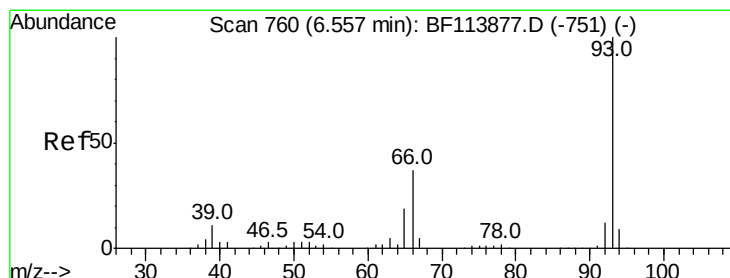
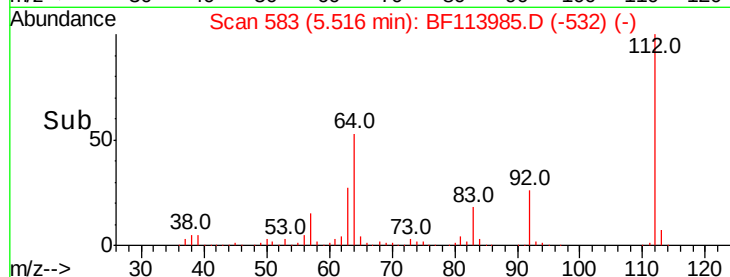
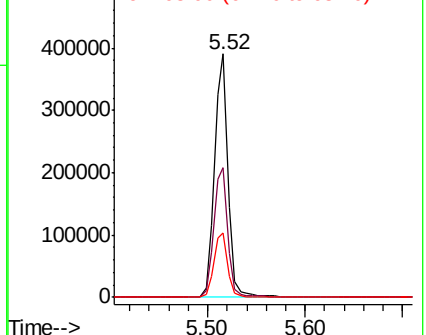
63 26.5 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 22.545 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

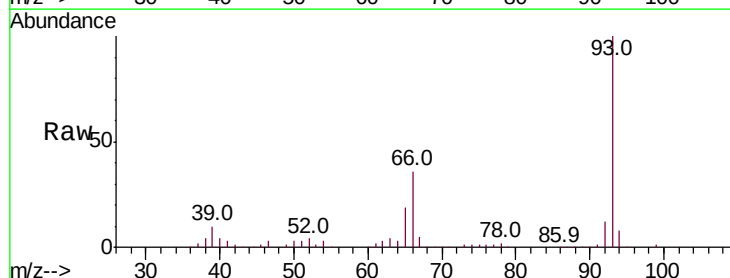
Tgt Ion: 93 Resp: 248931

Ion Ratio Lower Upper

93 100

66 36.3 29.8 44.6

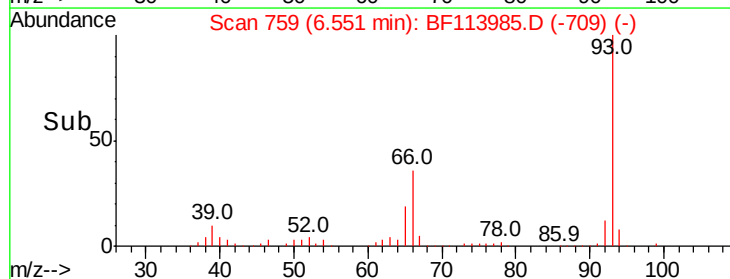
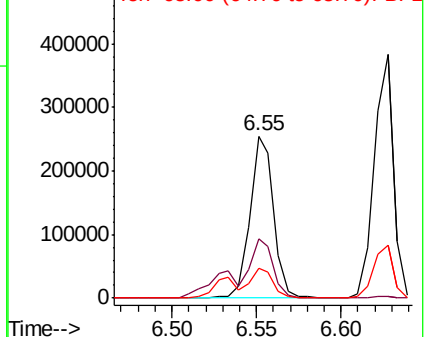
65 18.7 14.9 22.3

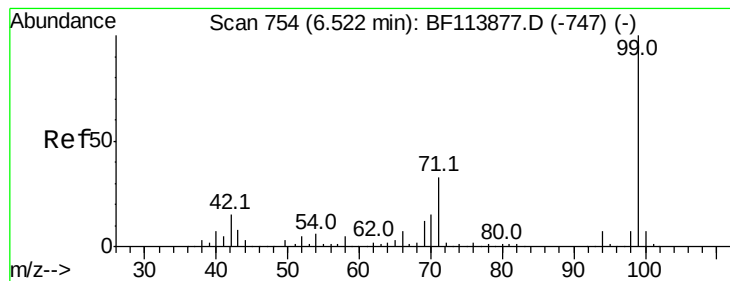


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 39.139 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

Instrument :

BNA_F

ClientSampleId :

HW-7MSD

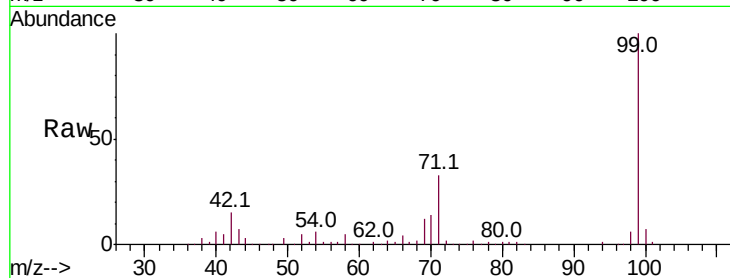
Tot Ion: 99 Resp: 314709

Ion Ratio Lower Upper

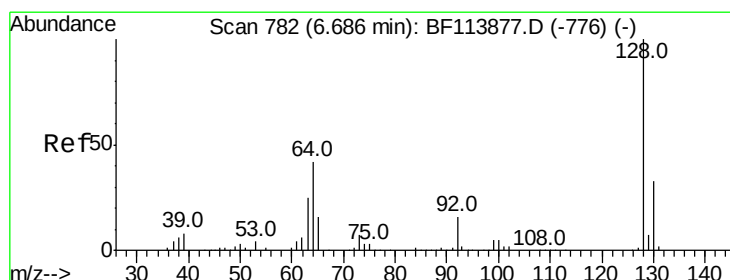
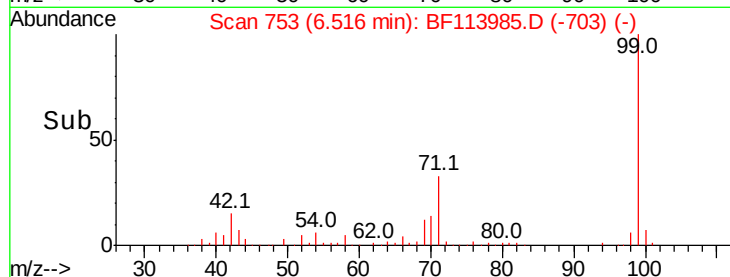
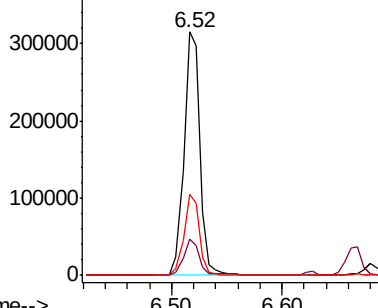
99 100

42 15.0 12.5 18.7

71 33.4 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 32.259 ng

RT: 6.68 min Scan# 781

Delta R.T. -0.01 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

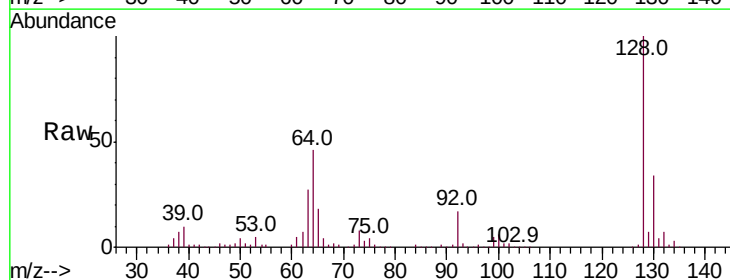
Tgt Ion: 128 Resp: 236041

Ion Ratio Lower Upper

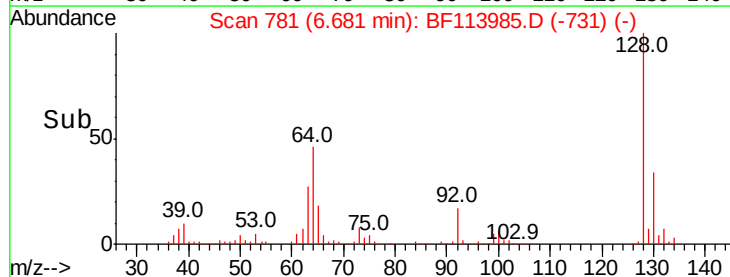
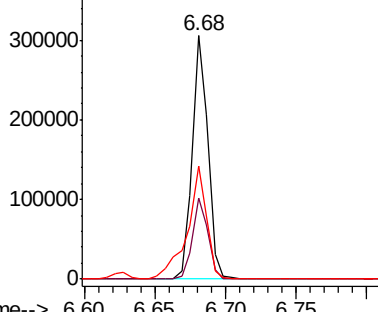
128 100

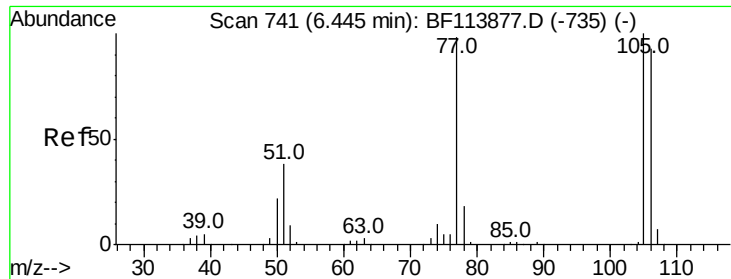
130 33.5 12.3 52.3

64 46.3 26.1 66.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 15.482 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

Instrument :

BNA_F

ClientSampleId :

HW-7MSD

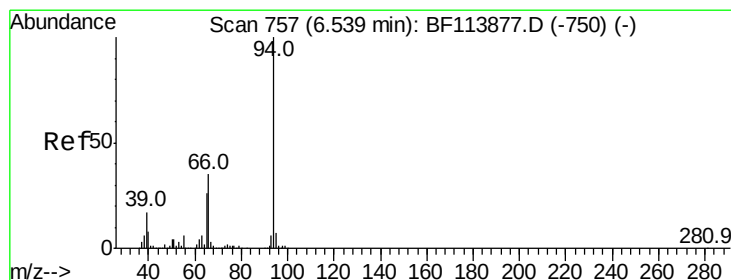
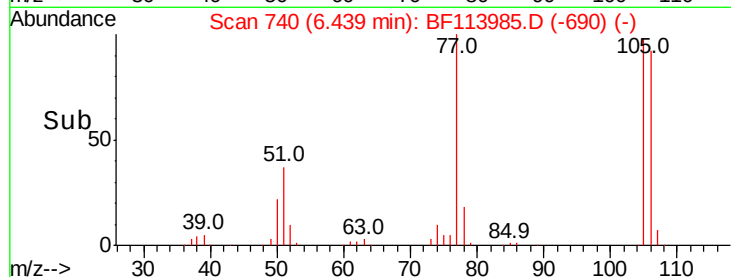
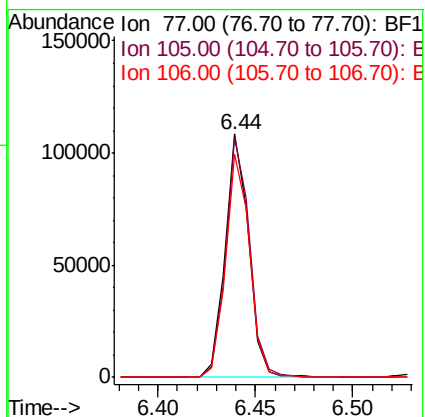
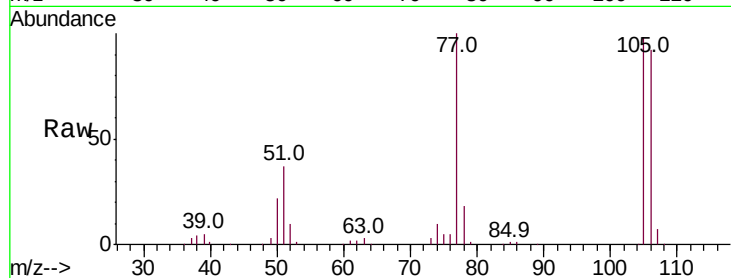
Tot Ion: 77 Resp: 90578

Ion Ratio Lower Upper

77 100

105 98.3 74.1 114.1

106 91.9 70.3 110.3



#10

Phenol

Concen: 12.919 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

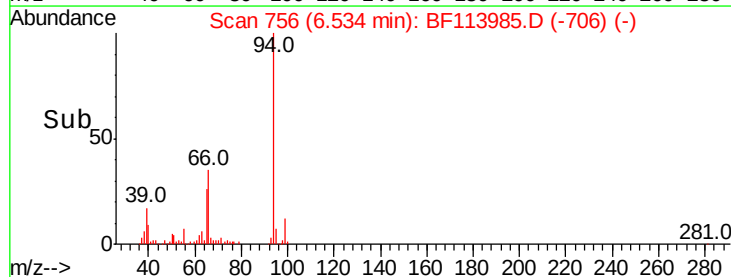
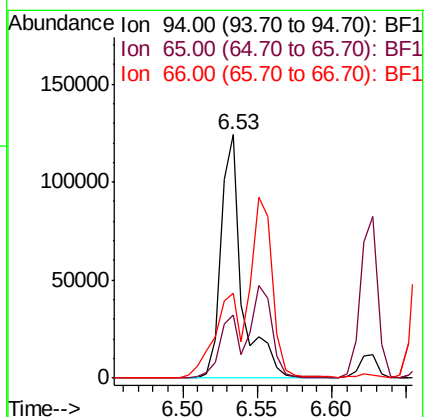
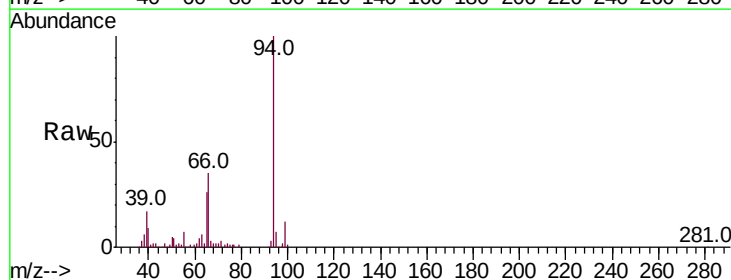
Tgt Ion: 94 Resp: 124217

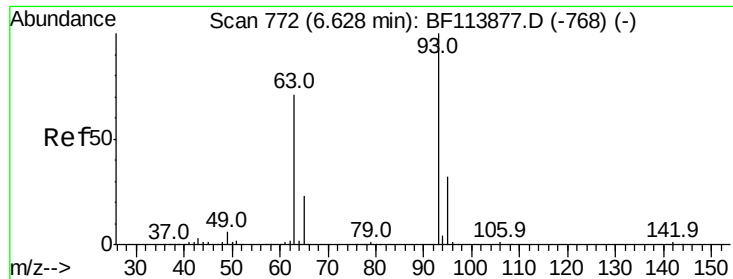
Ion Ratio Lower Upper

94 100

65 25.7 8.1 48.1

66 34.8 16.6 56.6





#11

bis(2-Chloroethyl)ether

Concen: 41.519 ng

RT: 6.63 min Scan# 772

Delta R.T. -0.00 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

Instrument :

BNA_F

ClientSampleId :

HW-7MSD

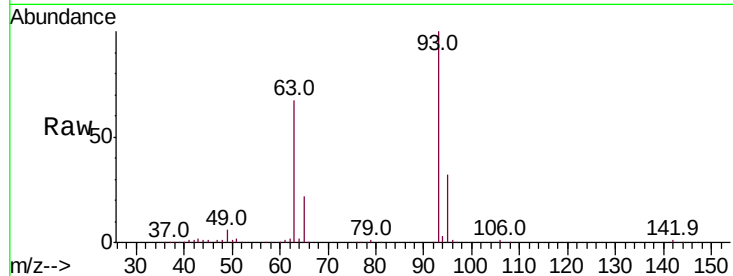
Tot Ion: 93 Resp: 300406

Ion Ratio Lower Upper

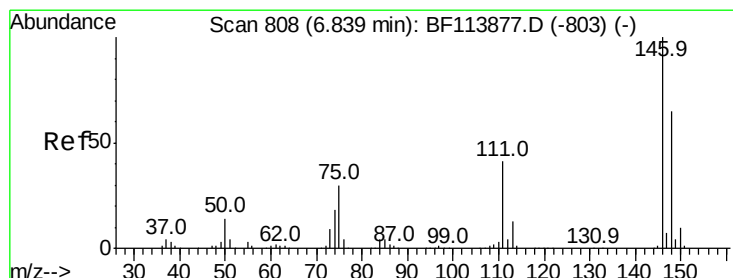
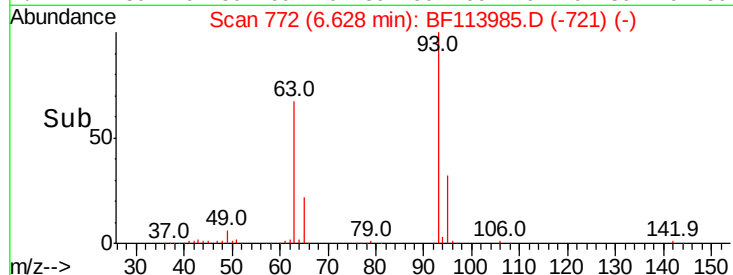
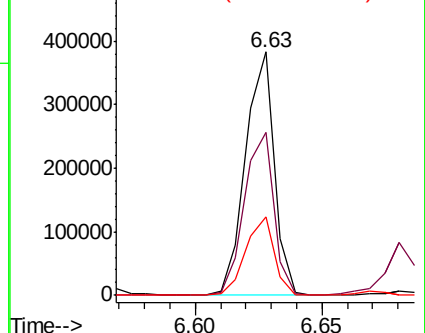
93 100

63 67.0 50.7 90.7

95 32.3 12.3 52.3



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 38.860 ng

RT: 6.84 min Scan# 808

Delta R.T. -0.00 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

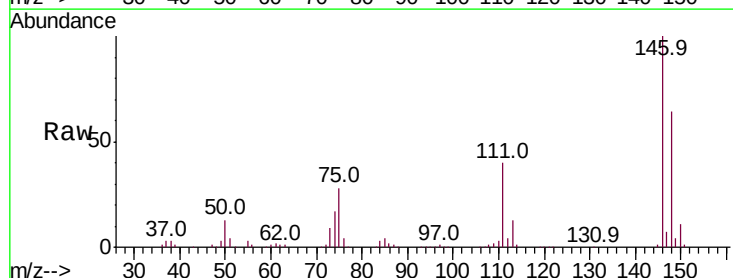
Tgt Ion: 146 Resp: 322035

Ion Ratio Lower Upper

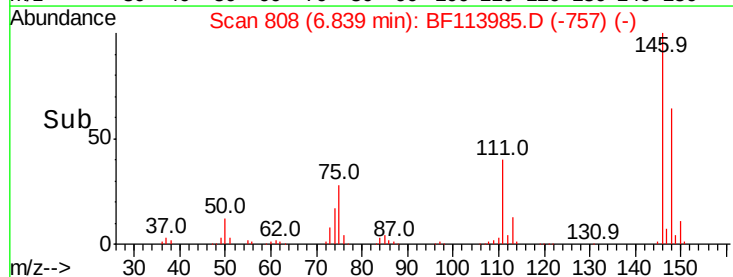
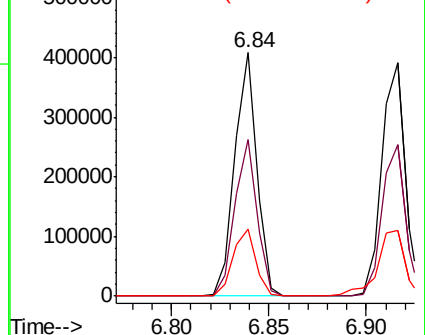
146 100

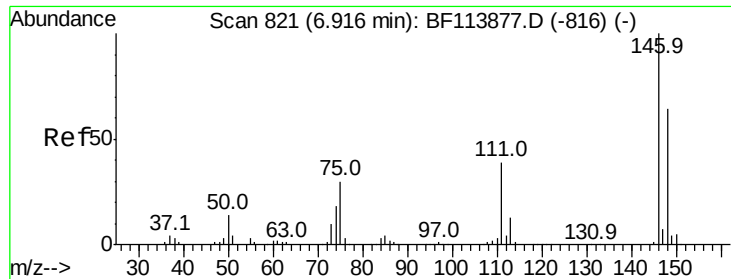
148 64.2 51.0 76.6

75 27.6 23.8 35.8



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1

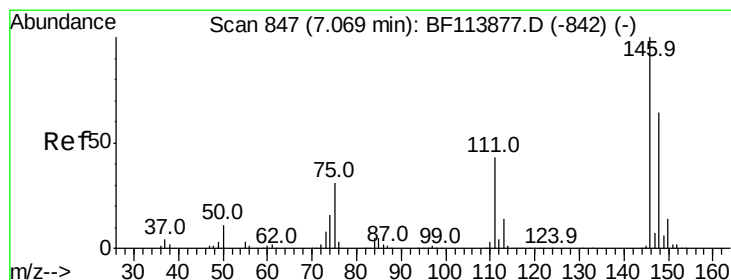
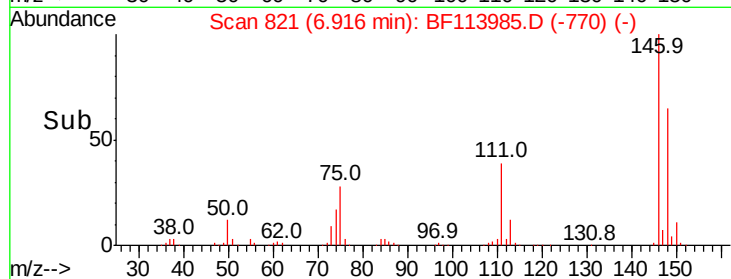
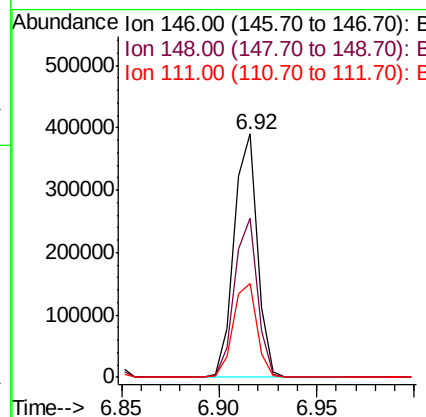
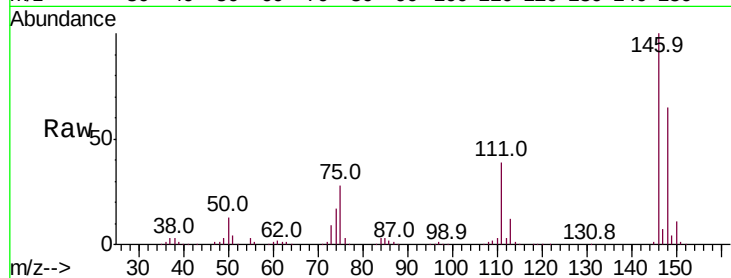




#13
 1,4-Dichlorobenzene
 Concen: 38.881 ng
 RT: 6.92 min Scan# 821
 Delta R.T. -0.00 min
 Lab File: BF113985.D
 Acq: 25 Apr 2019 18:43

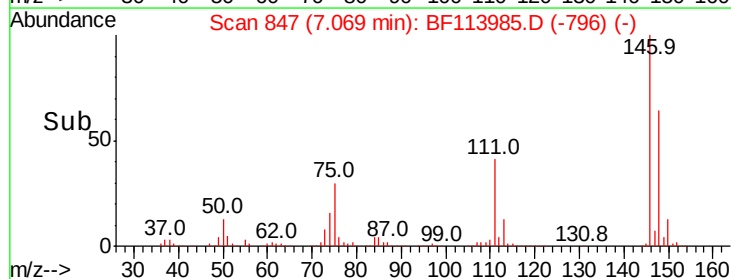
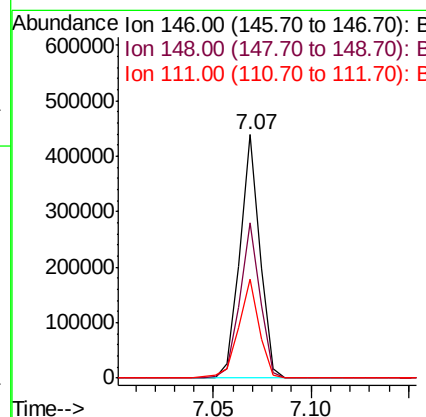
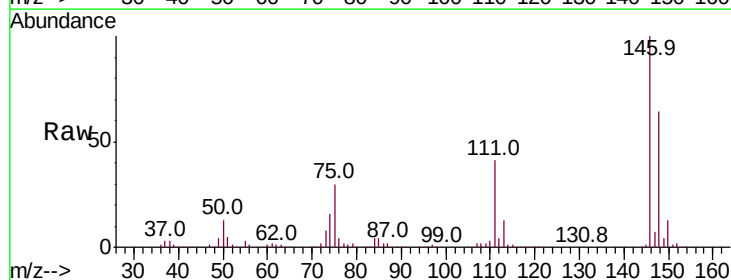
Instrument :
 BNA_F
 ClientSampled :
 HW-7MSD

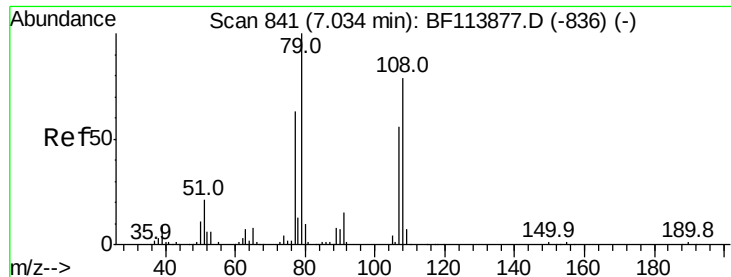
Tot Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.8	77.8
111	38.6	30.9	46.3



#14
 1,2-Dichlorobenzene
 Concen: 40.654 ng
 RT: 7.07 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: BF113985.D
 Acq: 25 Apr 2019 18:43

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.0	52.1	78.1
111	40.7	34.2	51.4





#15

Benzyl Alcohol

Concen: 29.017 ng

RT: 7.03 min Scan# 841

Delta R.T. -0.00 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

Instrument :

BNA_F

ClientSampleId :

HW-7MSD

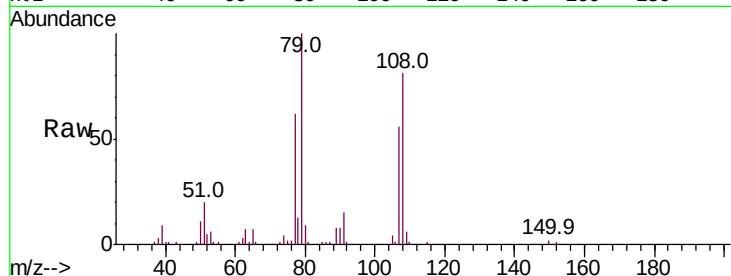
Tot Ion: 79 Resp: 157140

Ion Ratio Lower Upper

79 100

108 81.1 61.4 92.0

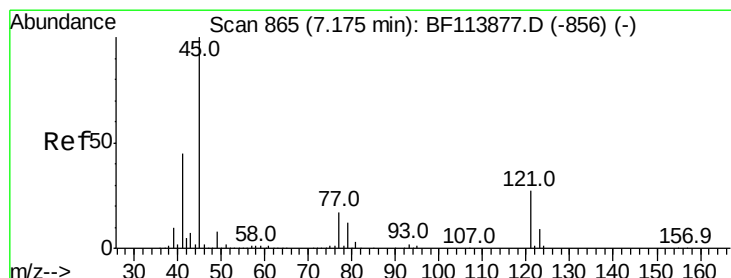
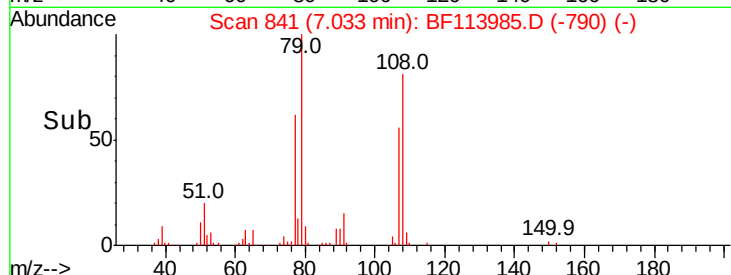
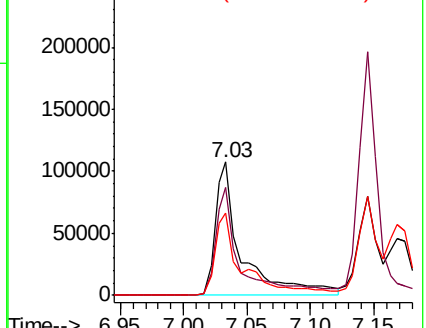
77 62.0 51.6 77.4



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-chloropropane)

Concen: 41.050 ng

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

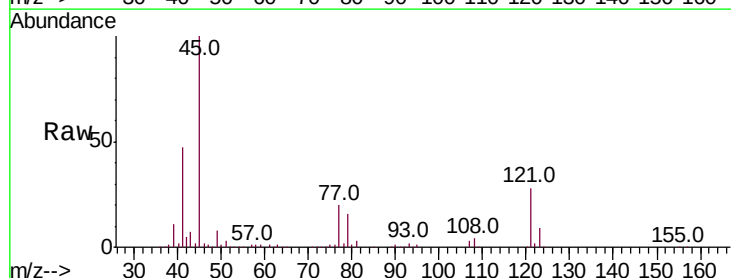
Tgt Ion: 45 Resp: 346711

Ion Ratio Lower Upper

45 100

77 20.1 0.0 37.0

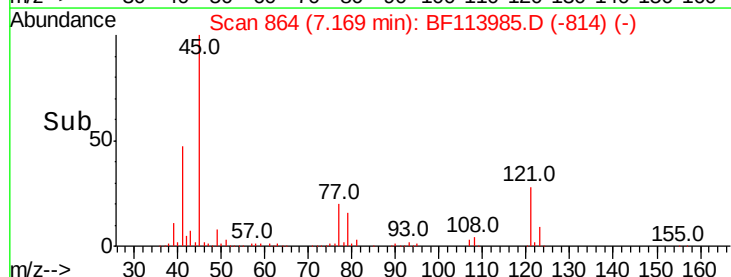
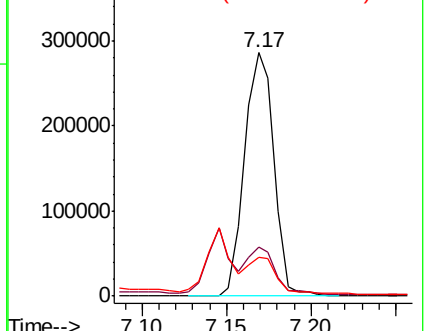
79 15.8 0.0 32.7

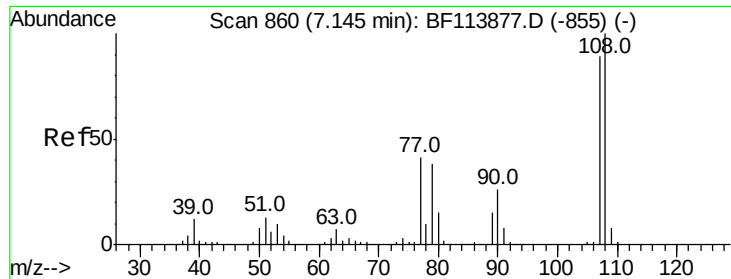


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

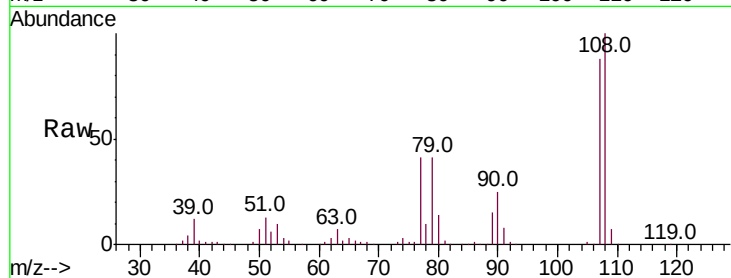




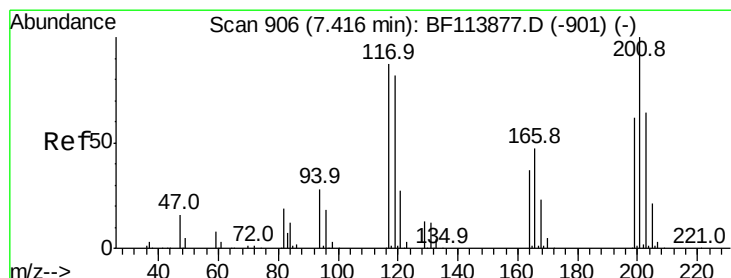
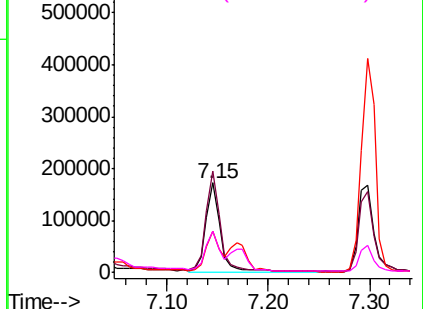
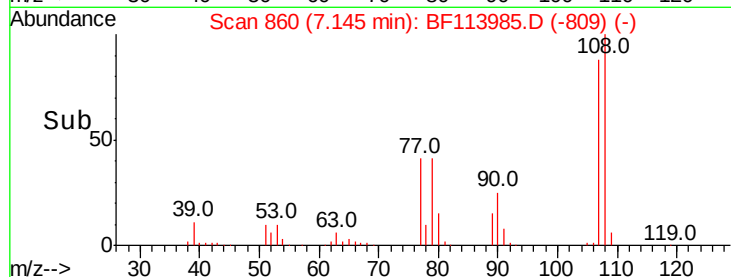
#17
2-Methylphenol
Concen: 27.751 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.00 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

Instrument :
BNA_F
ClientSampleId :
HW-7MSD

Tot Ion:107 Resp: 177992
Ion Ratio Lower Upper
107 100
108 113.7 91.5 137.3
77 46.2 36.2 54.4
79 46.2 35.4 53.0

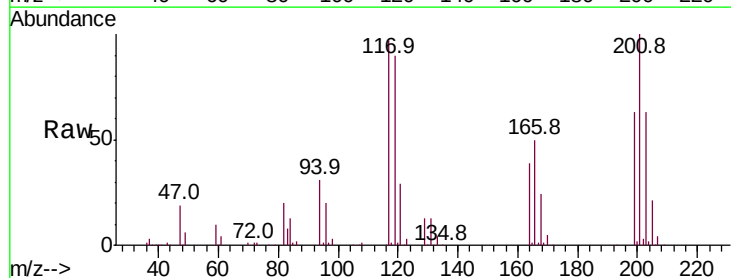


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

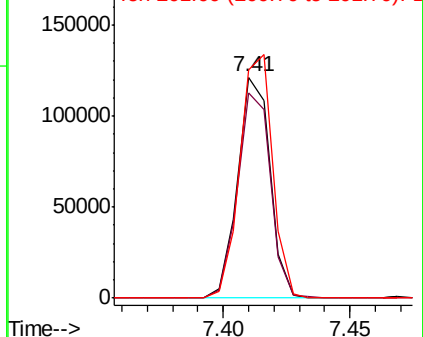
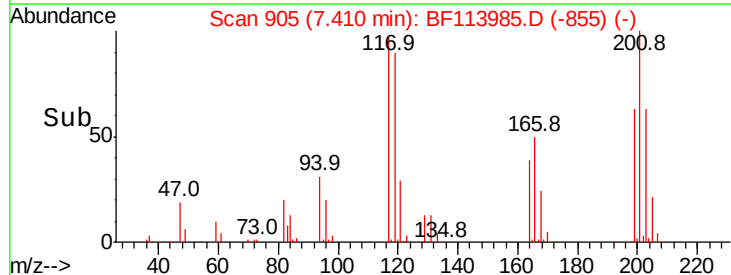


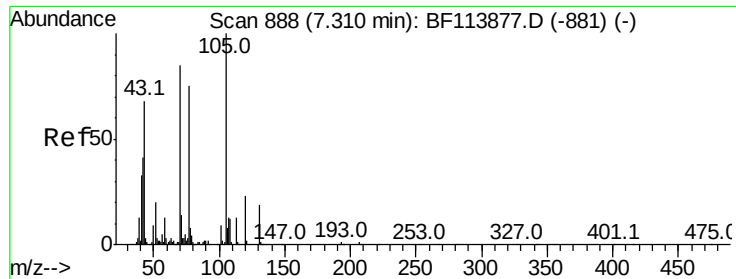
#18
Hexachloroethane
Concen: 36.730 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

Tgt Ion:117 Resp: 107320
Ion Ratio Lower Upper
117 100
119 92.5 74.4 111.6
201 103.1 90.2 135.2



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

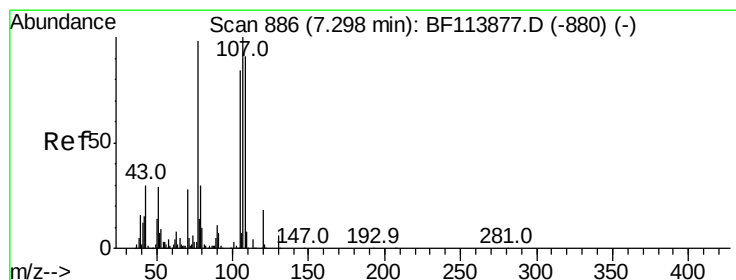
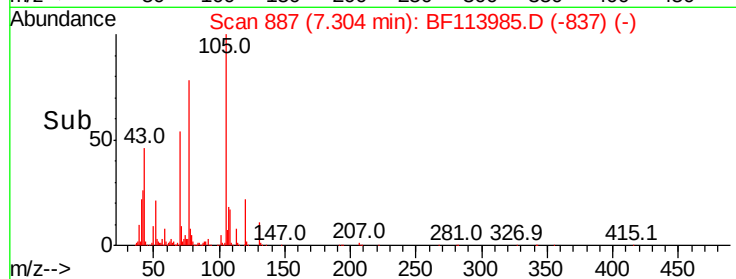
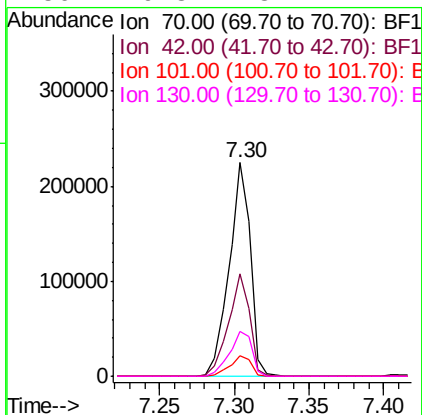
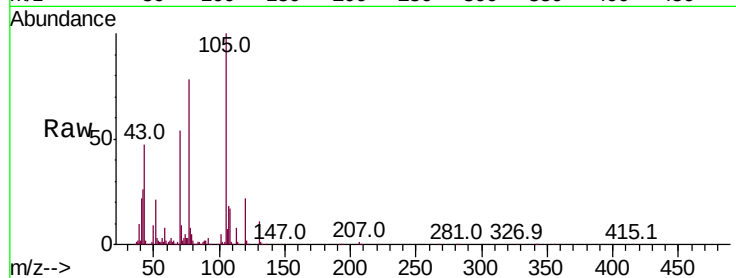




#19
n-Nitroso-di-n-propylamine
Concen: 43.547 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.01 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

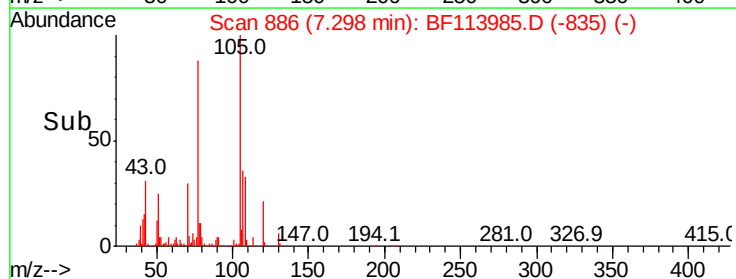
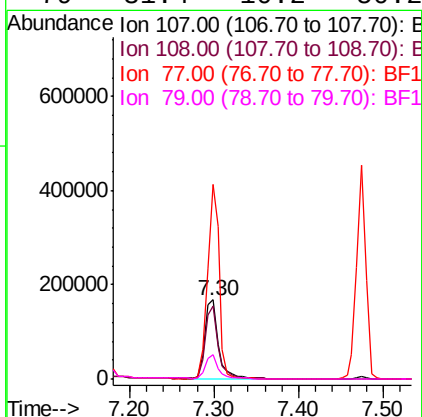
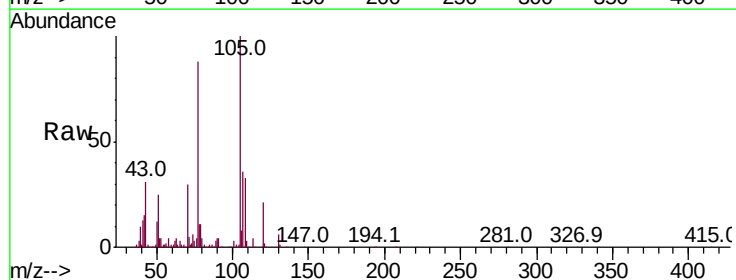
Instrument :
BNA_F
ClientSampleId :
HW-7MSD

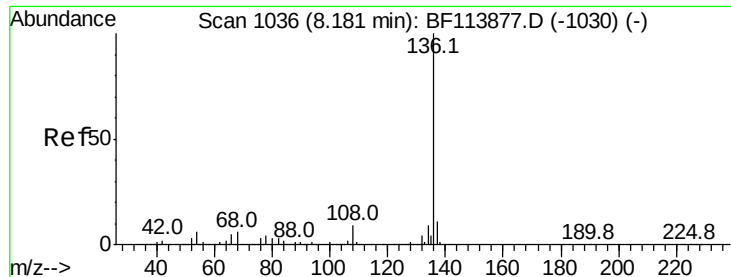
Tot Ion: 70 Resp: 226753
Ion Ratio Lower Upper
70 100
42 48.2 37.3 55.9
101 9.7 7.8 11.8
130 20.8 18.2 27.2



#20
3+4-Methylphenols
Concen: 26.277 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.00 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

Tgt Ion:107 Resp: 190418
Ion Ratio Lower Upper
107 100
108 92.1 70.1 110.1
77 245.9 52.9 92.9#
79 31.4 10.2 50.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

Instrument :

BNA_F

ClientSampleId :

HW-7MSD

Tot Ion:136 Resp: 419671

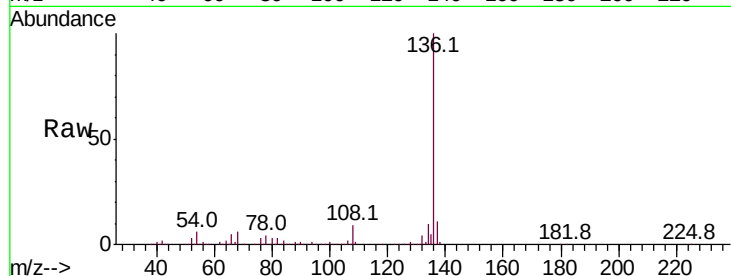
Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

54 6.0 5.0 7.6

68 5.6 4.9 7.3

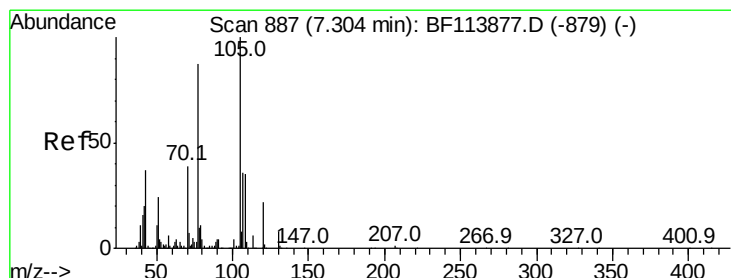
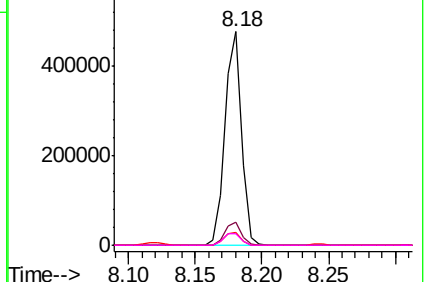
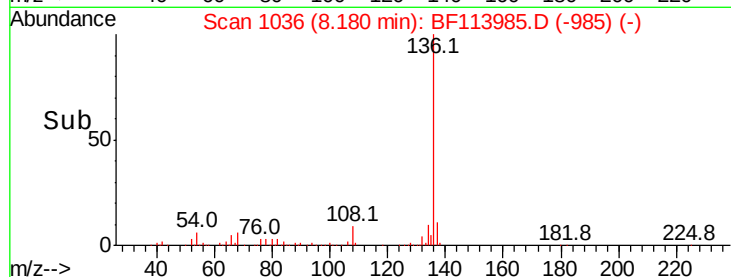


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 48.122 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.01 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

Tgt Ion:105 Resp: 449417

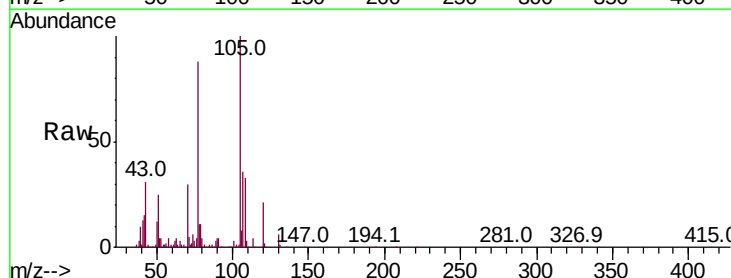
Ion Ratio Lower Upper

105 100

71 5.0 6.1 9.1#

51 25.2 16.8 25.2

120 21.0 17.6 26.4

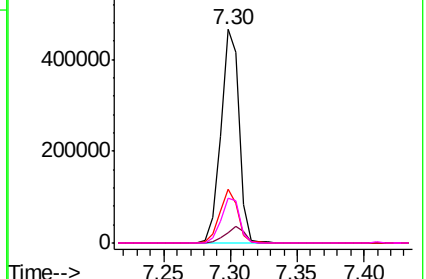
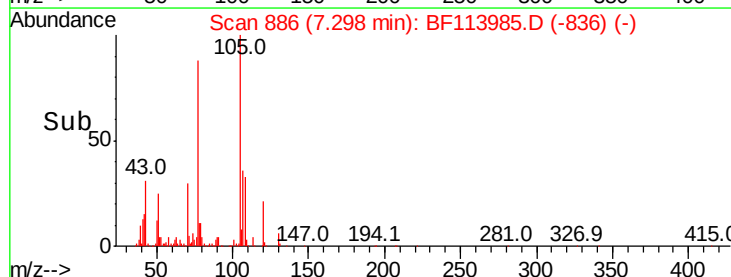


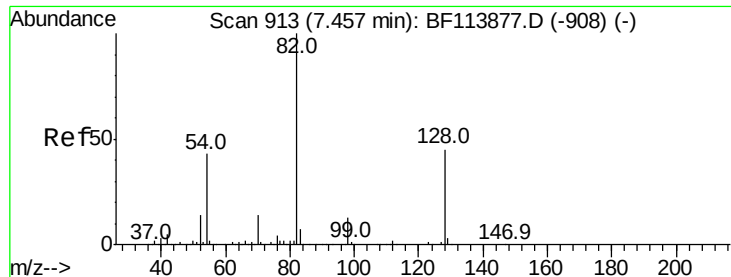
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 100.131 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.00 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

Instrument :

BNA_F

ClientSampleId :

HW-7MSD

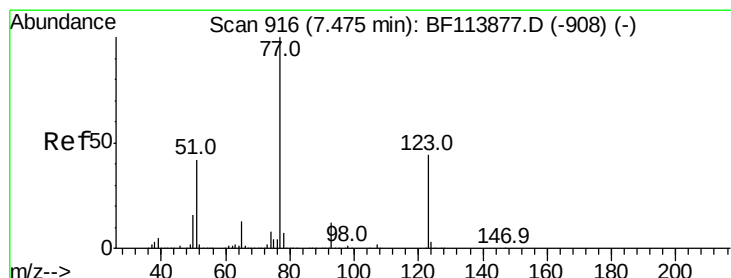
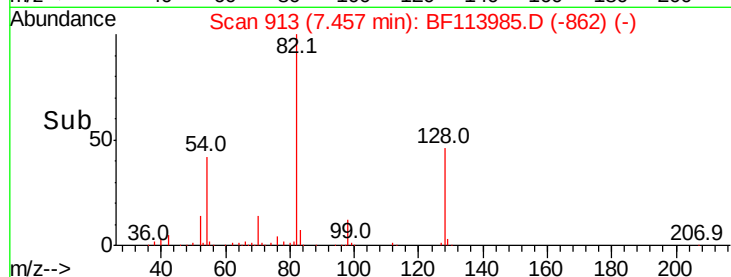
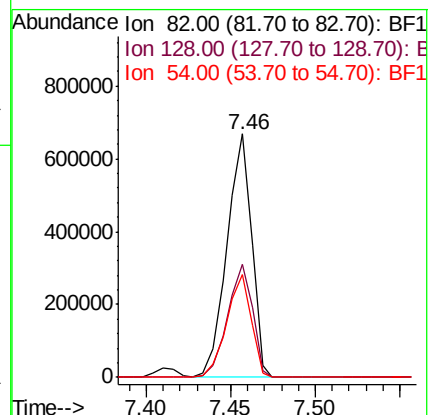
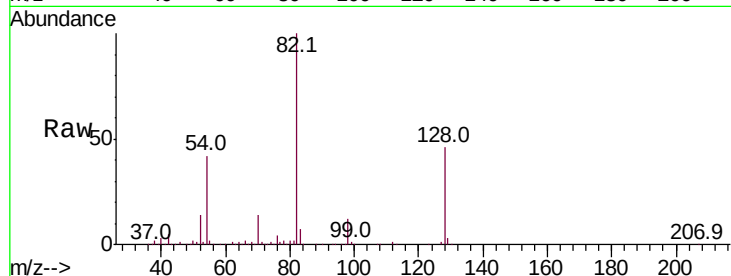
Tot Ion: 82 Resp: 680586

Ion Ratio Lower Upper

82 100

128 46.4 36.8 55.2

54 42.3 33.8 50.6



#24

Nitrobenzene

Concen: 45.918 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.00 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

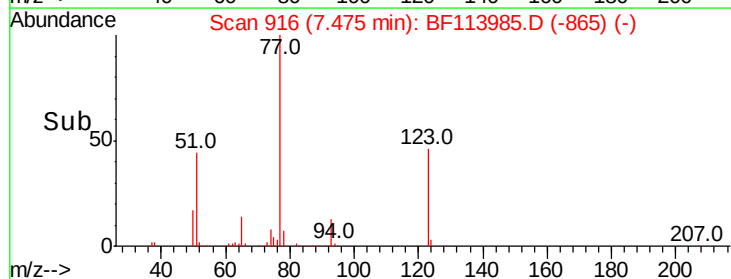
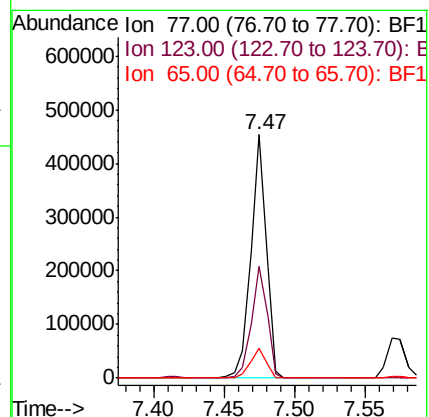
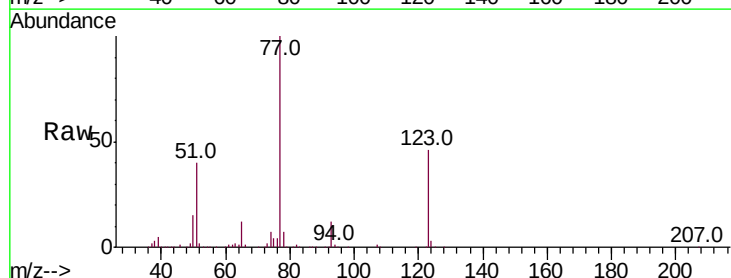
Tgt Ion: 77 Resp: 344861

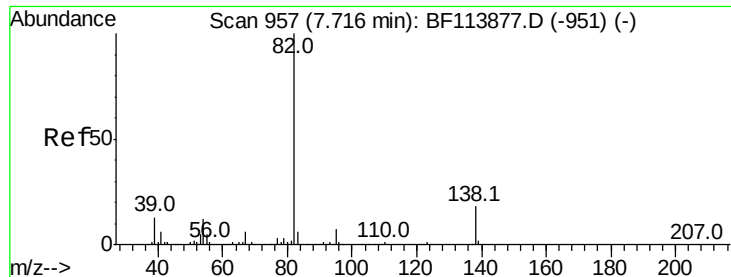
Ion Ratio Lower Upper

77 100

123 45.7 36.3 54.5

65 12.4 10.3 15.5





#25

Isophorone

Concen: 45.290 ng

RT: 7.72 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

Instrument :

BNA_F

ClientSampleId :

HW-7MSD

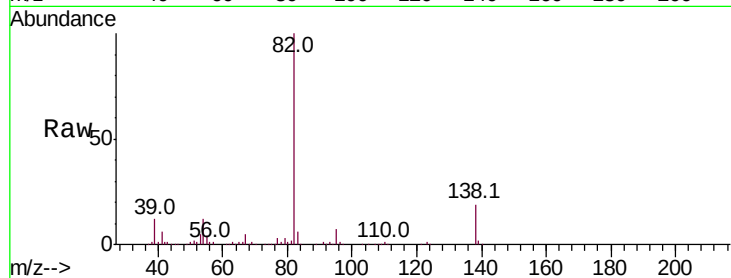
Tot Ion: 82 Resp: 629874

Ion Ratio Lower Upper

82 100

95 6.8 5.4 8.2

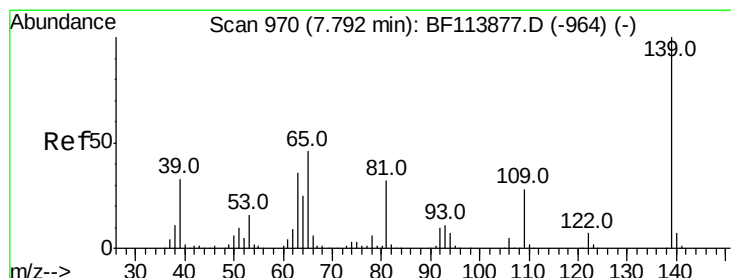
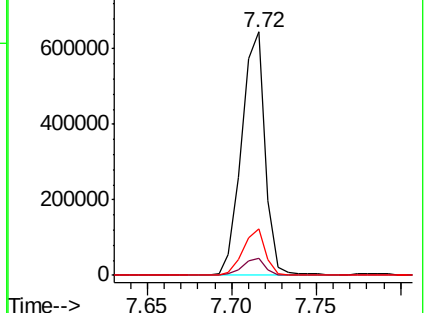
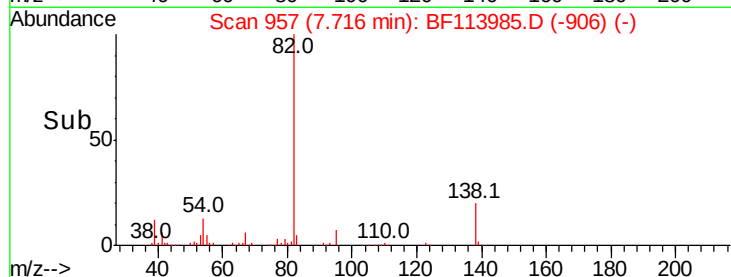
138 19.2 14.6 22.0



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 44.475 ng

RT: 7.79 min Scan# 970

Delta R.T. -0.00 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

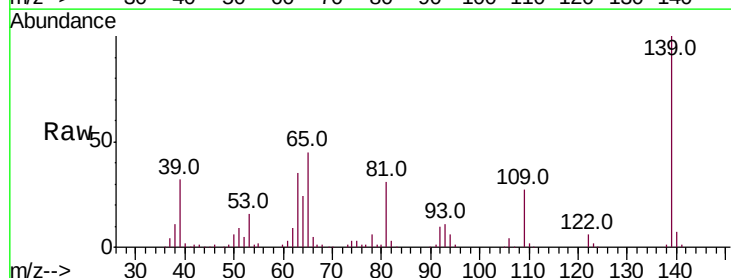
Tgt Ion: 139 Resp: 152384

Ion Ratio Lower Upper

139 100

109 27.3 20.6 31.0

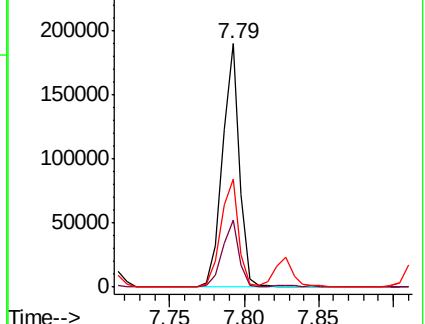
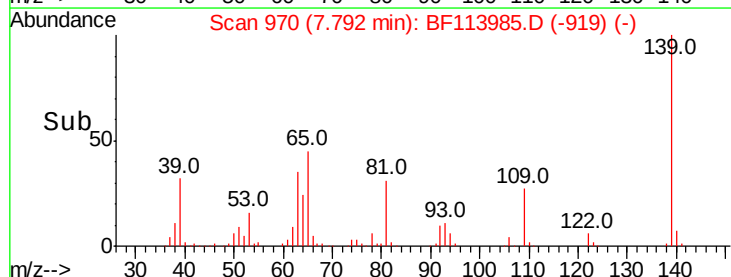
65 44.5 34.6 52.0

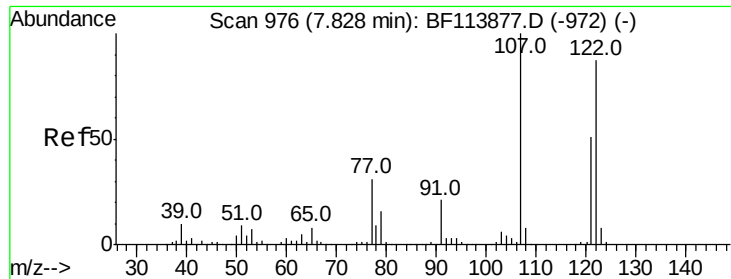


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

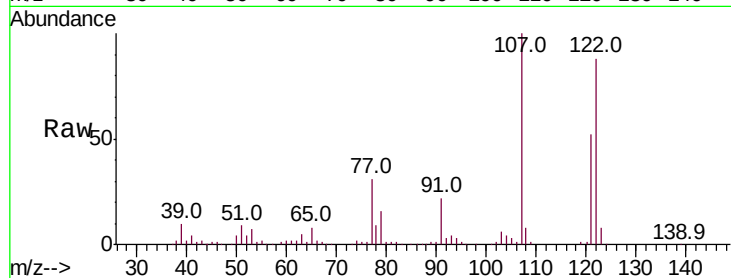




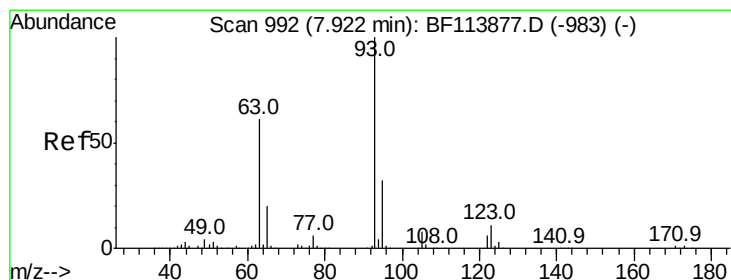
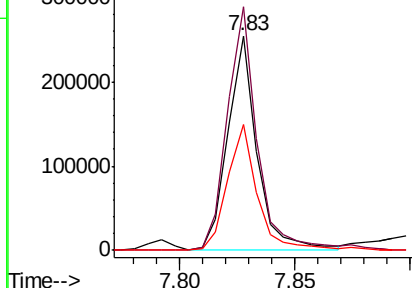
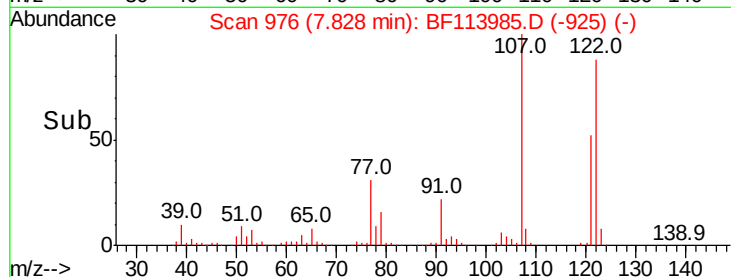
#27
 2,4-Dimethylphenol
 Concen: 40.412 ng
 RT: 7.83 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: BF113985.D
 Acq: 25 Apr 2019 18:43

Instrument :
 BNA_F
 ClientSampleId :
 HW-7MSD

Tot Ion:122 Resp: 225594
 Ion Ratio Lower Upper
 122 100
 107 113.5 91.2 136.8
 121 58.7 46.4 69.6

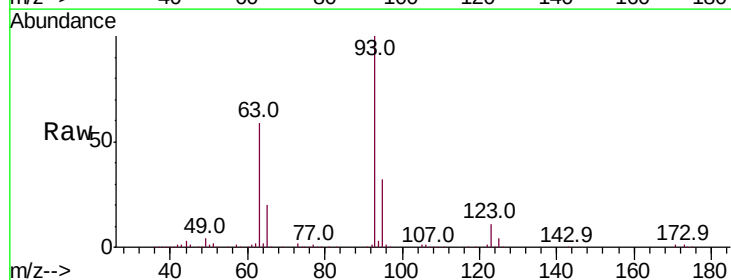


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

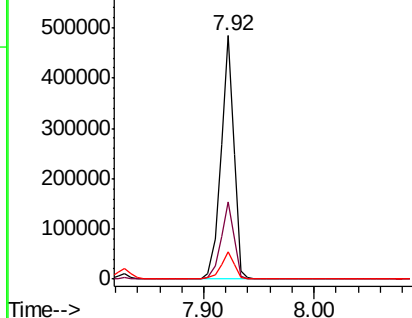
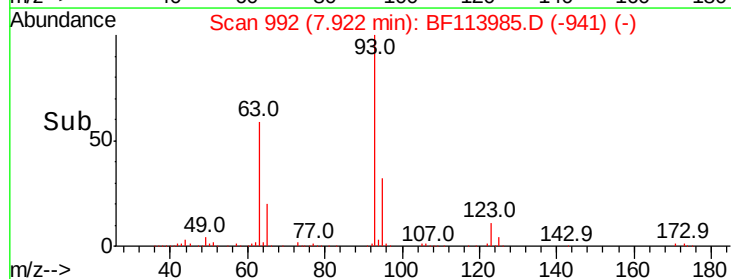


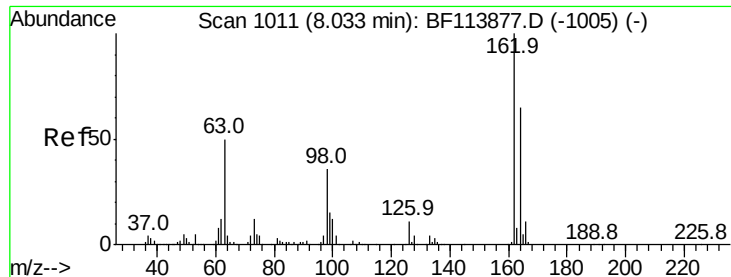
#28
 bis(2-Chloroethoxy)methane
 Concen: 44.755 ng
 RT: 7.92 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: BF113985.D
 Acq: 25 Apr 2019 18:43

Tgt Ion: 93 Resp: 396627
 Ion Ratio Lower Upper
 93 100
 95 31.9 25.8 38.6
 123 11.1 9.0 13.6



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

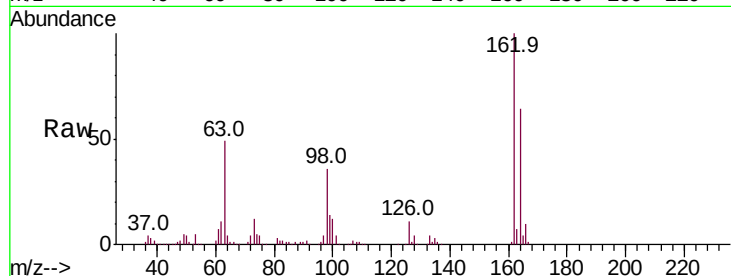




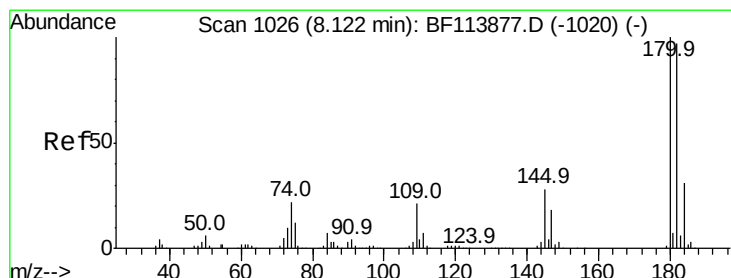
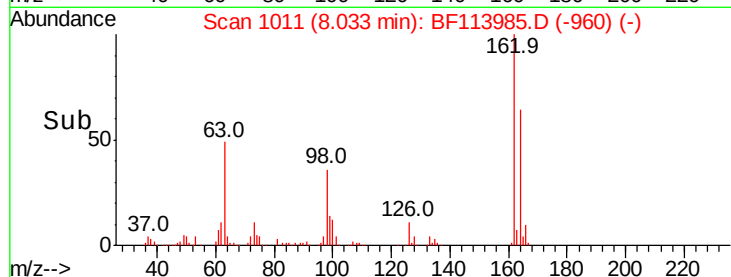
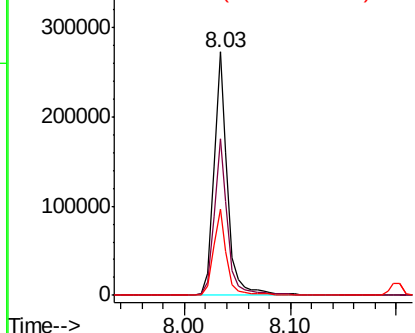
#29
 2,4-Dichlorophenol
 Concen: 39.066 ng
 RT: 8.03 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: BF113985.D
 Acq: 25 Apr 2019 18:43

Instrument :
 BNA_F
 ClientSampleId :
 HW-7MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.2	43.7	83.7
98	35.6	15.5	55.5

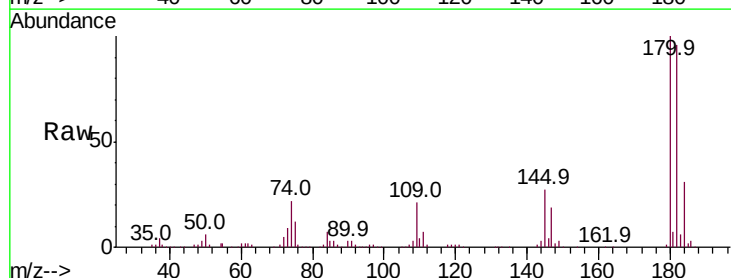


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

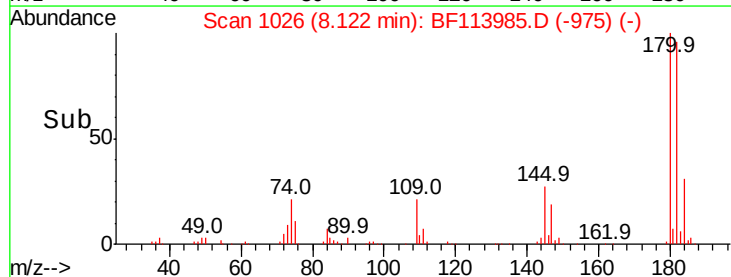
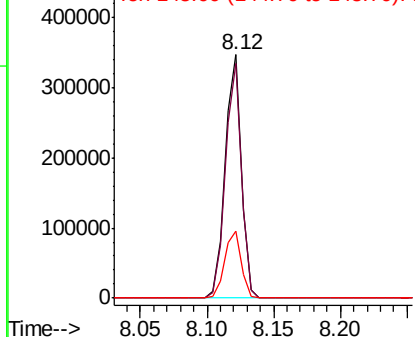


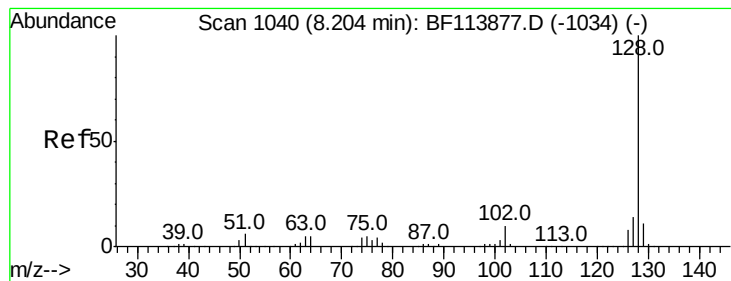
#30
 1,2,4-Trichlorobenzene
 Concen: 42.022 ng
 RT: 8.12 min Scan# 1026
 Delta R.T. -0.00 min
 Lab File: BF113985.D
 Acq: 25 Apr 2019 18:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.4	113.0
145	27.5	23.0	34.4



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





#31

Naphthalene

Concen: 44.653 ng

RT: 8.20 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

Instrument :

BNA_F

ClientSampleId :

HW-7MSD

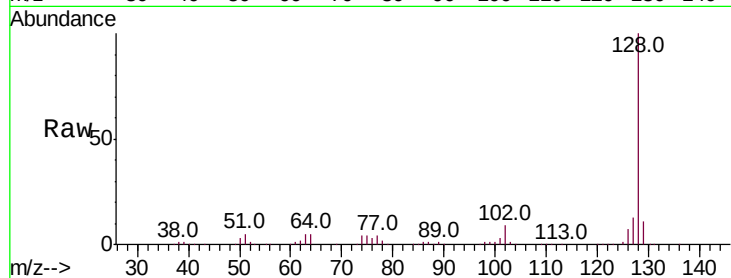
Tot Ion:128 Resp: 890241

Ion Ratio Lower Upper

128 100

129 10.6 9.4 14.0

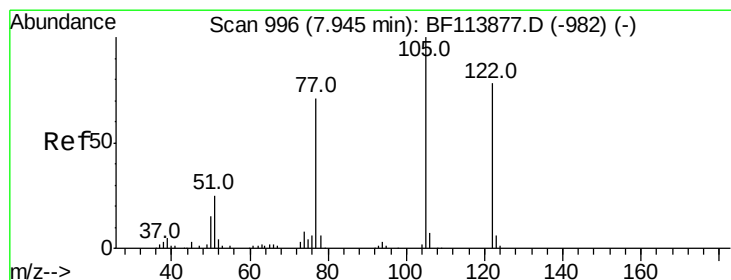
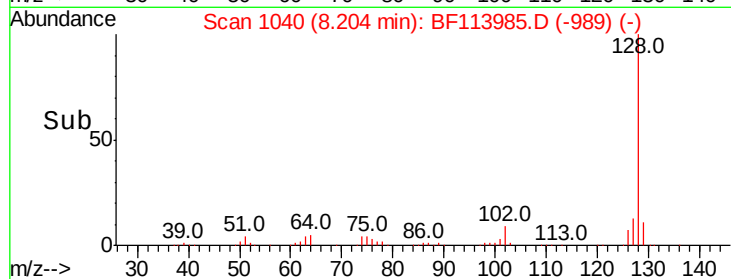
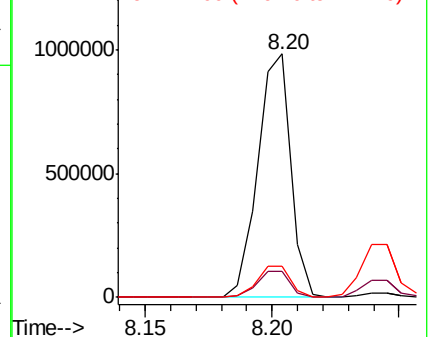
127 12.9 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 11.932 ng

RT: 7.91 min Scan# 990

Delta R.T. -0.04 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

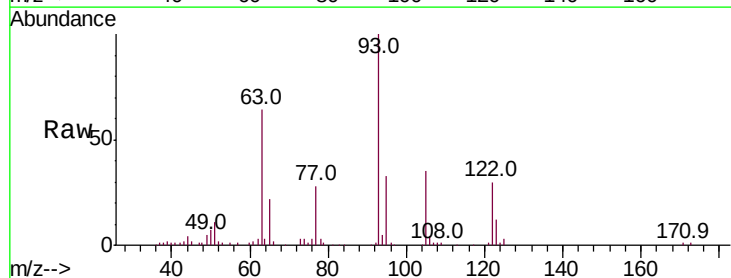
Tgt Ion:122 Resp: 44982

Ion Ratio Lower Upper

122 100

105 119.5 104.3 144.3

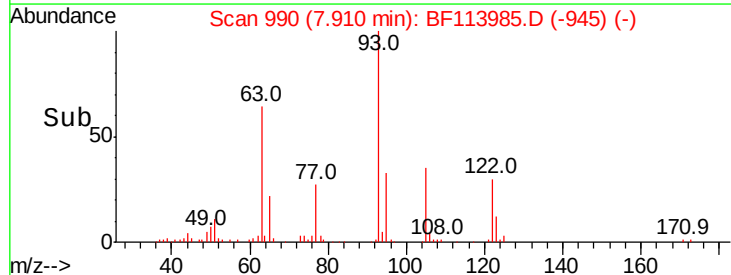
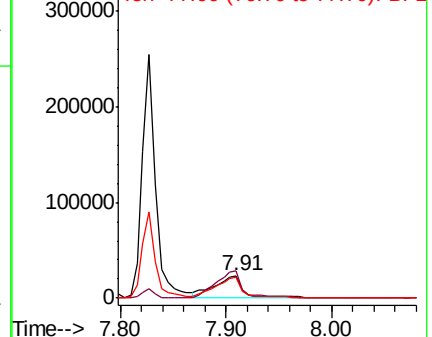
77 93.4 70.4 110.4

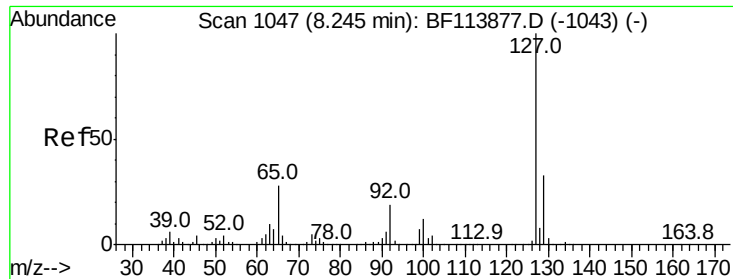


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

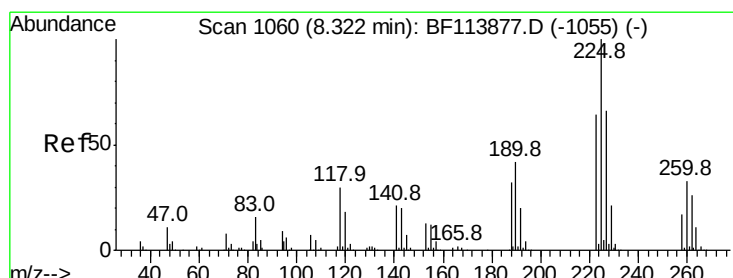
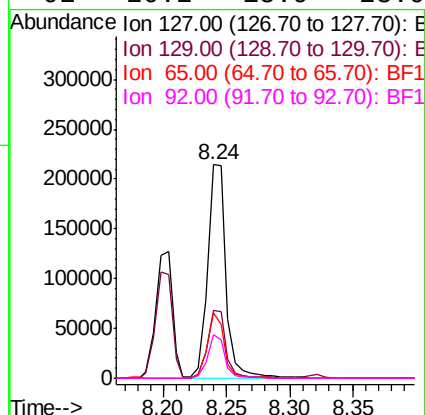
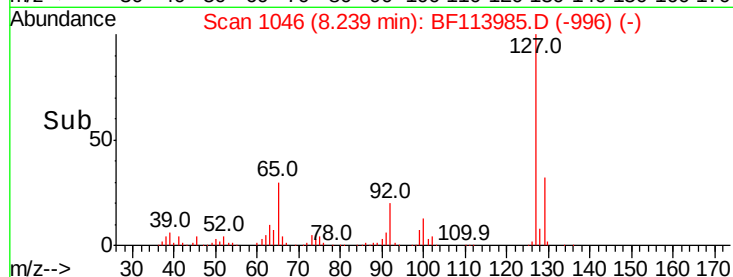
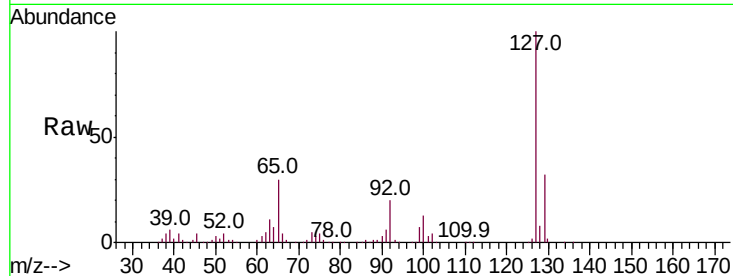




#33
4-Chloroaniline
Concen: 25.973 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

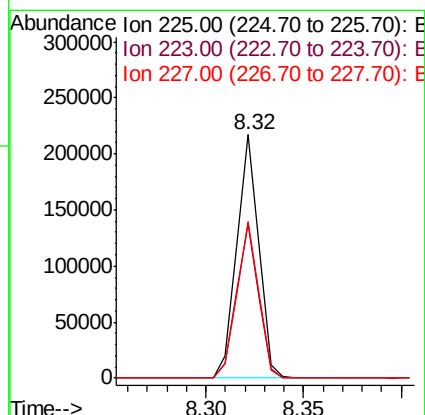
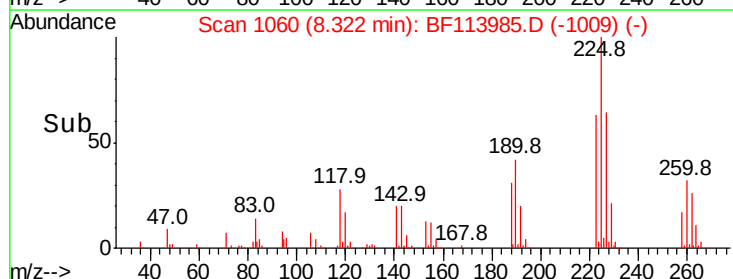
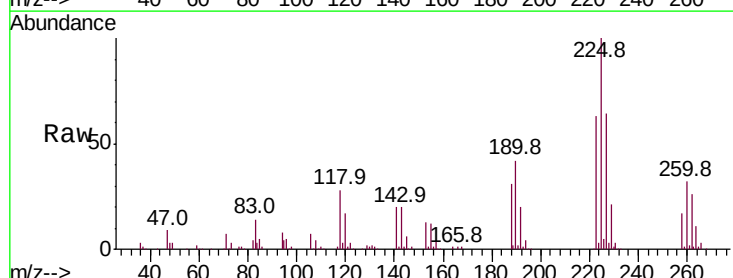
Instrument :
BNA_F
ClientSampleId :
HW-7MSD

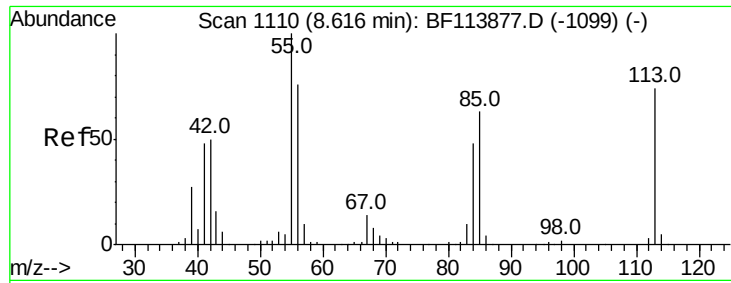
Tot Ion:	127	Resp:	219103
Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.4	39.6
65	30.5	24.9	37.3
92	20.2	15.9	23.9



#34
Hexachlorobutadiene
Concen: 38.414 ng
RT: 8.32 min Scan# 1060
Delta R.T. -0.00 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

Tgt Ion:	225	Resp:	170446
Ion	Ratio	Lower	Upper
225	100		
223	63.1	51.1	76.7
227	64.2	49.9	74.9

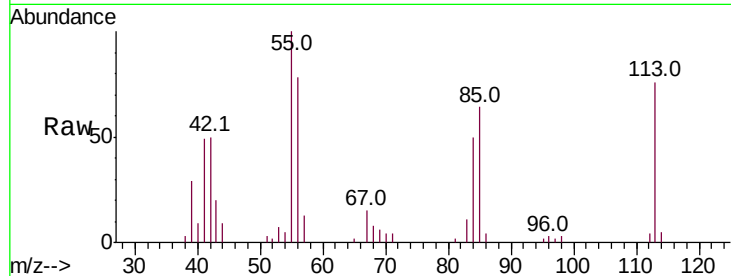




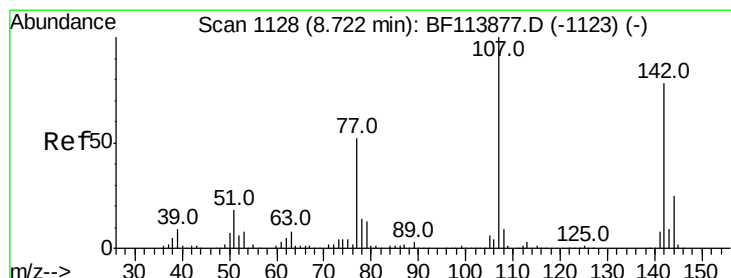
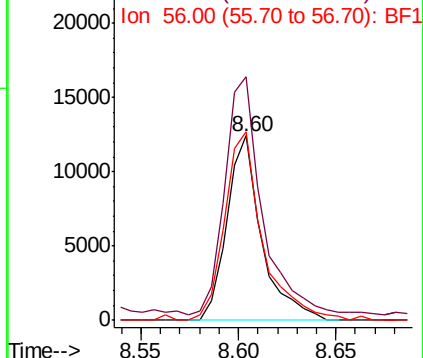
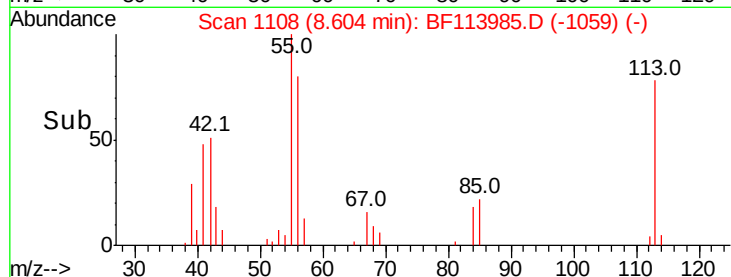
#35
 Caprolactam
 Concen: 7.515 ng
 RT: 8.60 min Scan# 1108
 Delta R.T. -0.01 min
 Lab File: BF113985.D
 Acq: 25 Apr 2019 18:43

Instrument :
 BNA_F
 ClientSampleId :
 HW-7MSD

Tot Ion:113 Resp: 15260
 Ion Ratio Lower Upper
 113 100
 55 132.1 128.6 168.6
 56 102.4 91.9 131.9

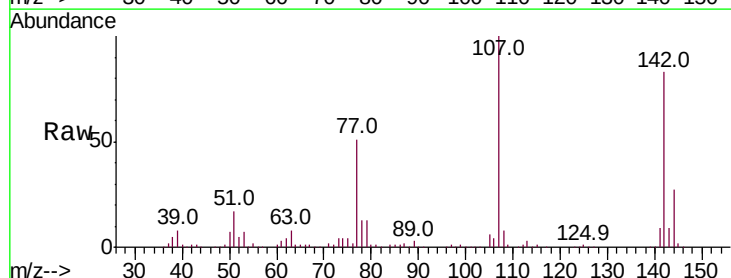


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

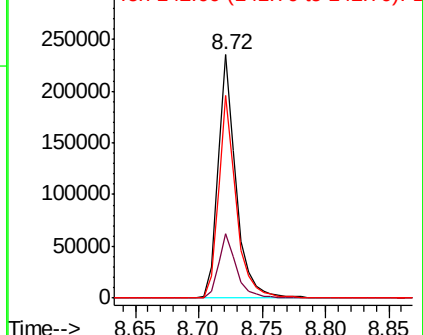
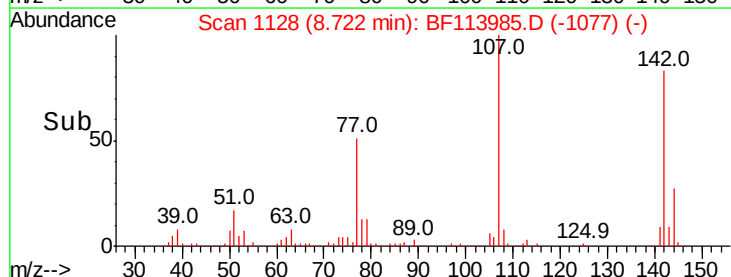


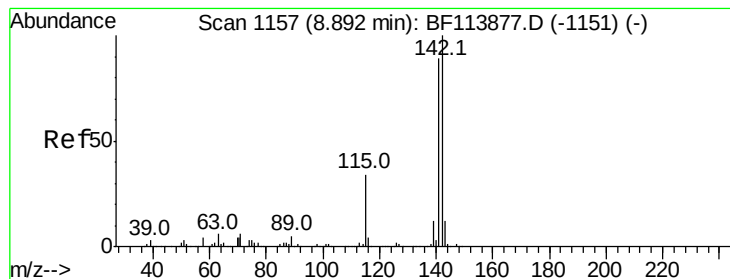
#36
 4-Chloro-3-methylphenol
 Concen: 37.236 ng
 RT: 8.72 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: BF113985.D
 Acq: 25 Apr 2019 18:43

Tgt Ion:107 Resp: 235490
 Ion Ratio Lower Upper
 107 100
 144 26.6 20.5 30.7
 142 83.4 64.2 96.4



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: 46.326 ng

RT: 8.89 min Scan# 1157

Delta R.T. -0.00 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

Instrument :

BNA_F

ClientSampleId :

HW-7MSD

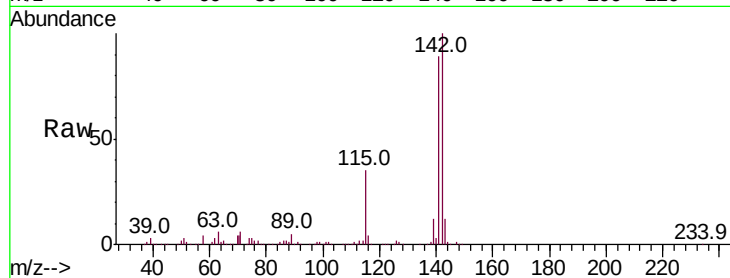
Tot Ion:142 Resp: 622817

Ion Ratio Lower Upper

142 100

141 89.5 70.4 105.6

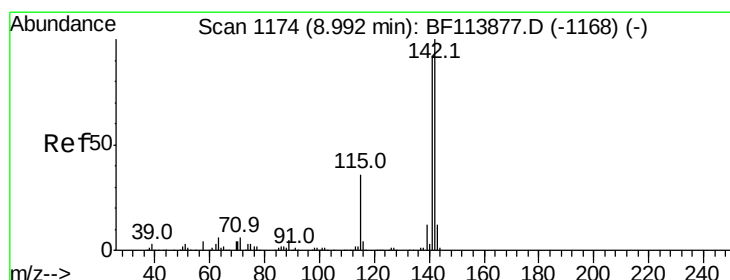
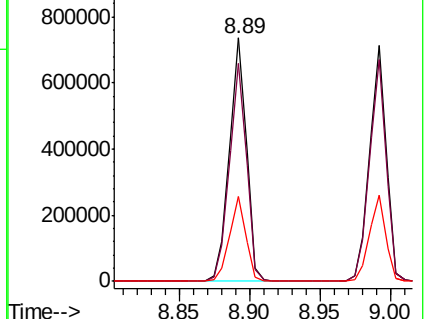
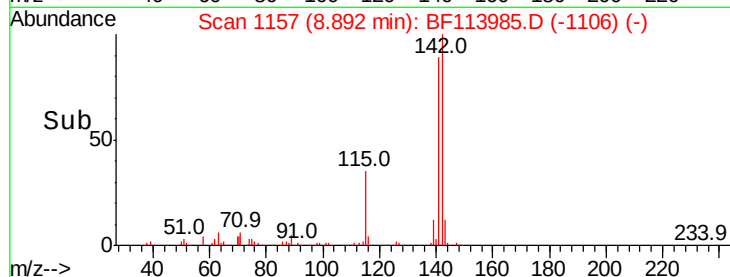
115 34.9 26.3 39.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 45.428 ng

RT: 8.99 min Scan# 1174

Delta R.T. -0.00 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

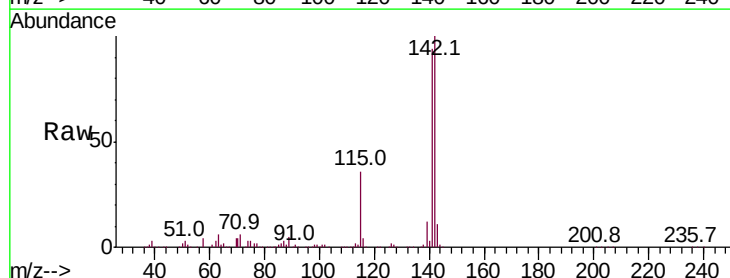
Tgt Ion:142 Resp: 589465

Ion Ratio Lower Upper

142 100

141 93.8 72.3 108.5

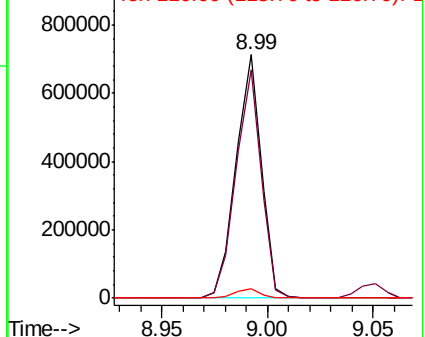
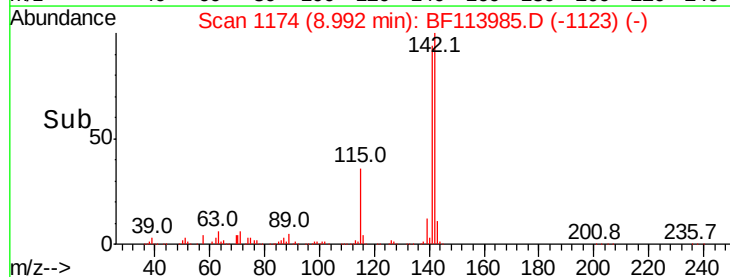
116 3.6 3.0 4.4

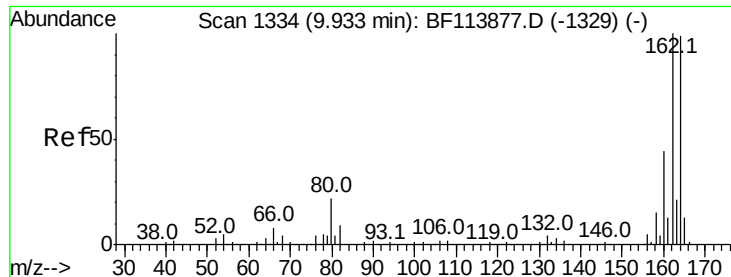


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

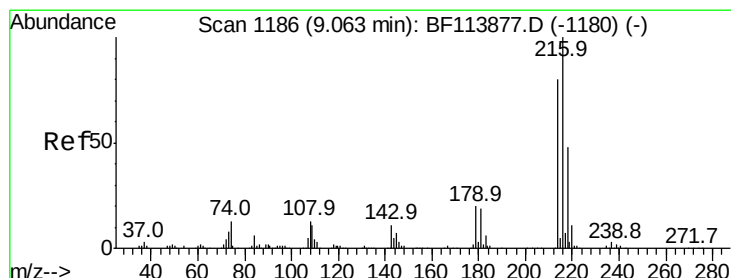
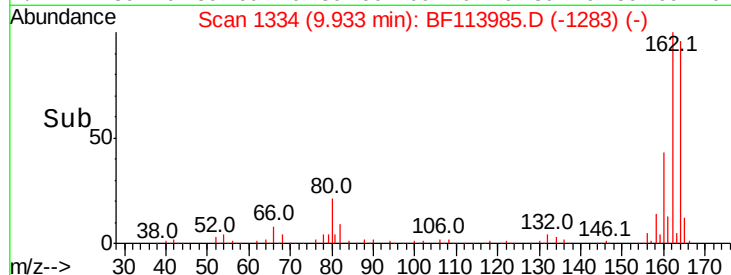
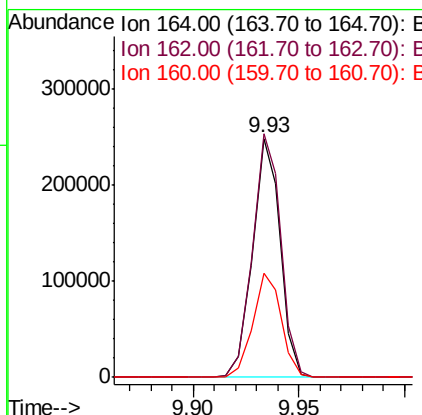
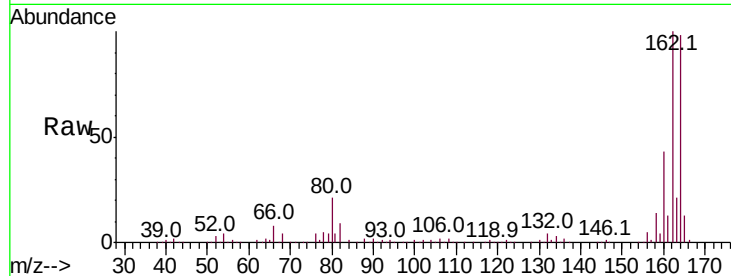




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

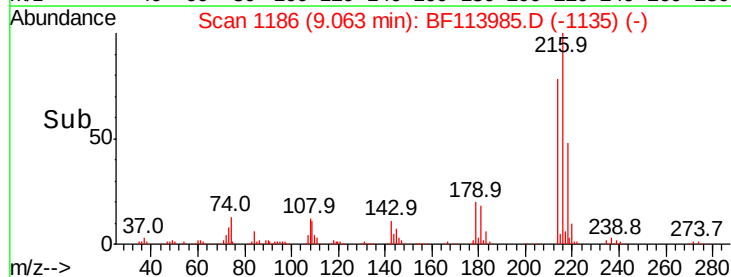
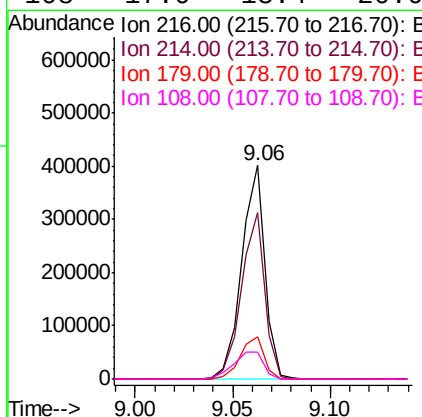
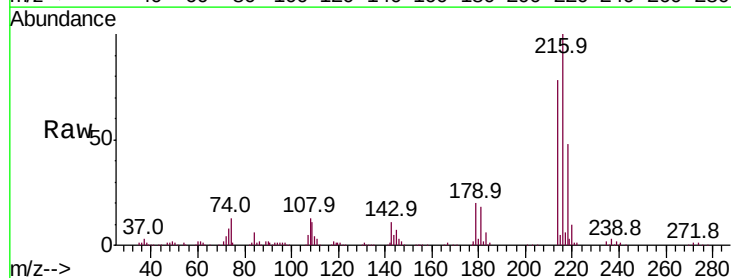
Instrument :
BNA_F
ClientSampleId :
HW-7MSD

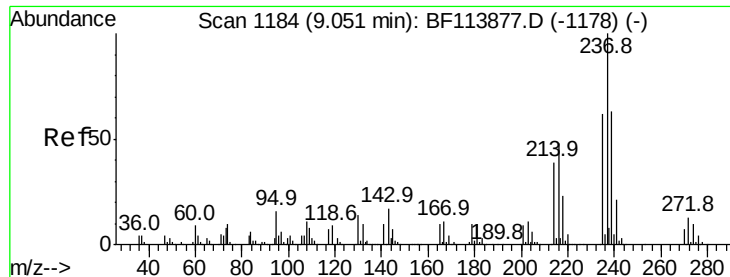
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.1	121.7
160	43.5	35.8	53.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.013 ng
RT: 9.06 min Scan# 1186
Delta R.T. -0.00 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.5	95.3
179	20.1	16.1	24.1
108	17.0	13.4	20.0

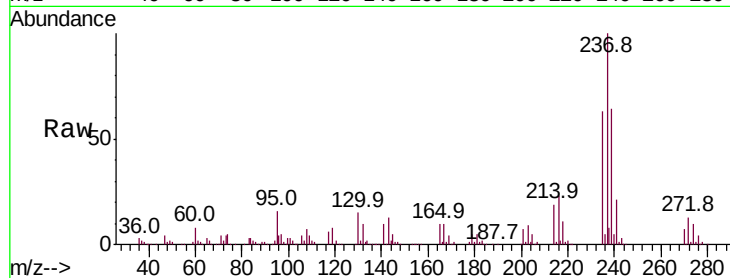




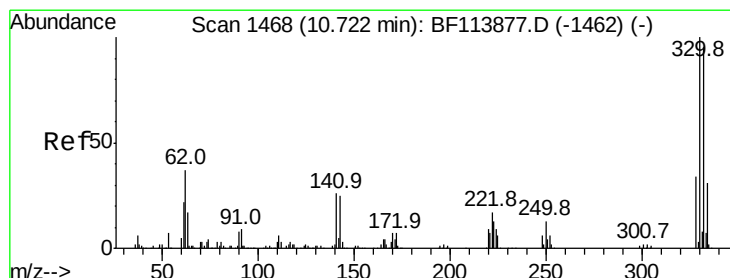
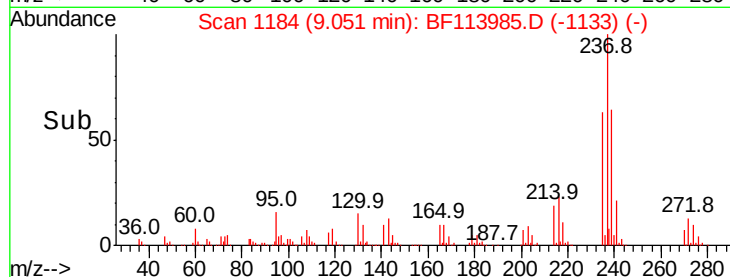
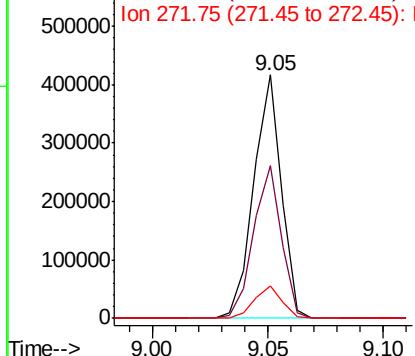
#41
Hexachlorocyclopentadiene
Concen: 85.456 ng
RT: 9.05 min Scan# 1184
Delta R.T. -0.00 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

Instrument :
BNA_F
ClientSampleId :
HW-7MSD

Tot Ion	Ratio	Lower	Upper
237	100		
235	62.9	42.6	82.6
272	13.4	0.0	33.8

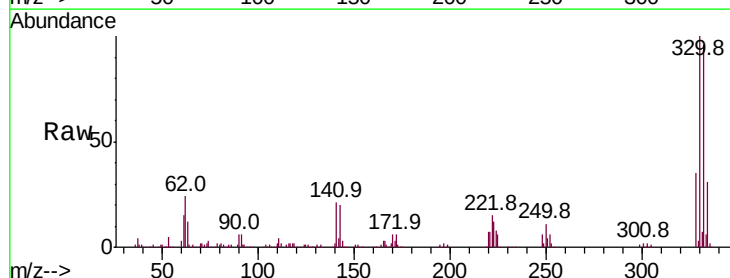


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

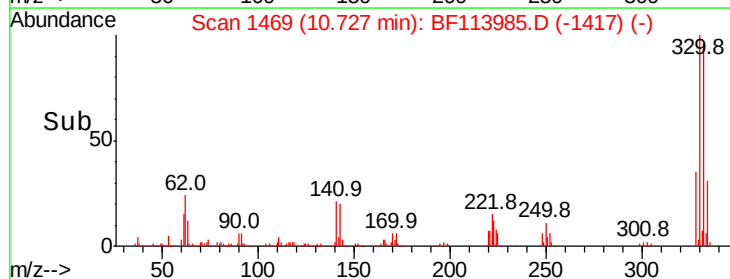
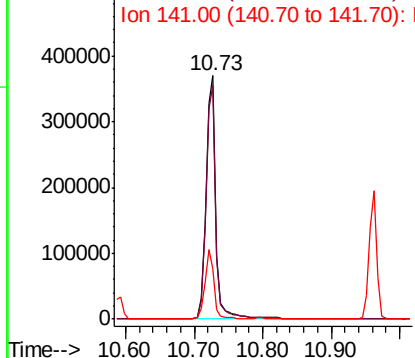


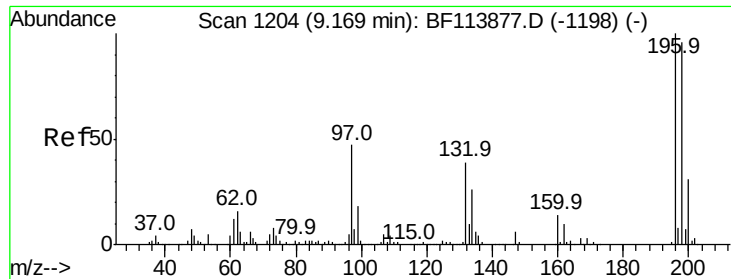
#42
2,4,6-Tribromophenol
Concen: 137.741 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.01 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.5	116.3
141	26.8	22.2	33.2



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

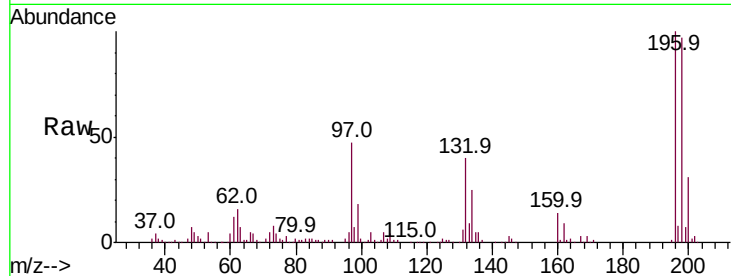




#43
 2,4,6-Trichlorophenol
 Concen: 42.577 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF113985.D
 Acq: 25 Apr 2019 18:43

Instrument :
 BNA_F
 ClientSampleId :
 HW-7MSD

Tot Ion	Ratio	Lower	Upper
196	100		
198	97.4	75.6	113.4
200	30.9	24.7	37.1

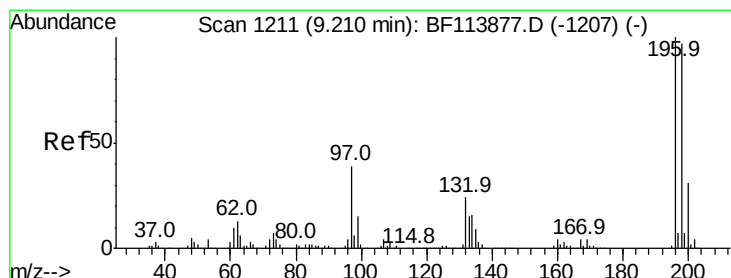
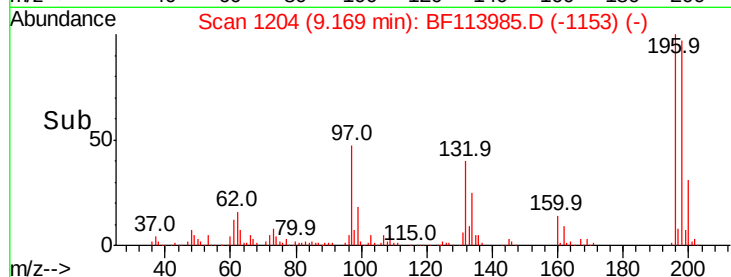
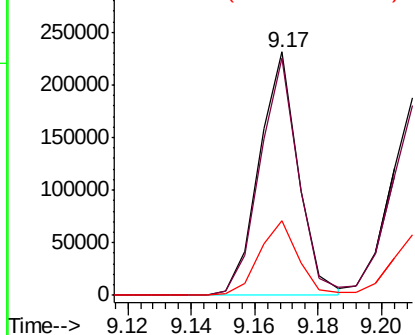


Abundance

Ion 196.00 (195.70 to 196.70): E

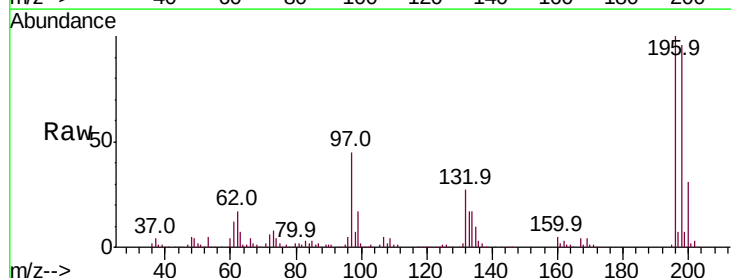
Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 43.526 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: BF113985.D
 Acq: 25 Apr 2019 18:43

Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.2	114.4
97	44.5	35.8	53.8
132	27.3	20.9	31.3



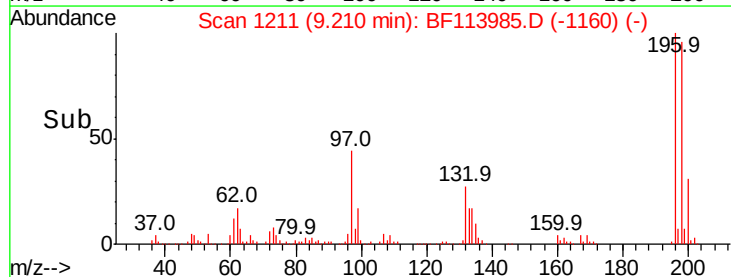
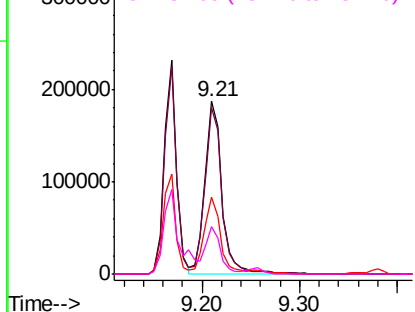
Abundance

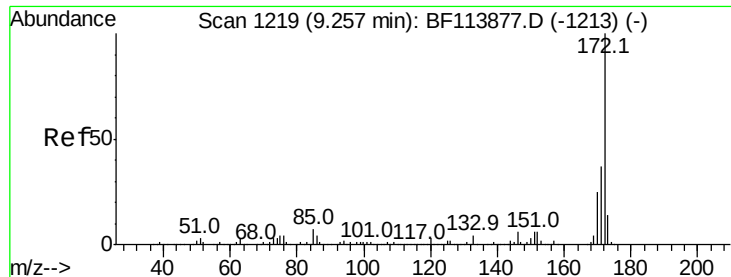
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E

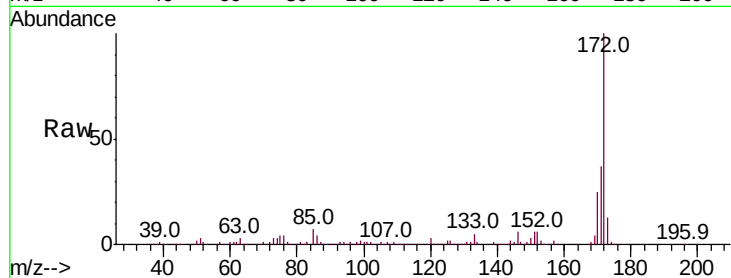




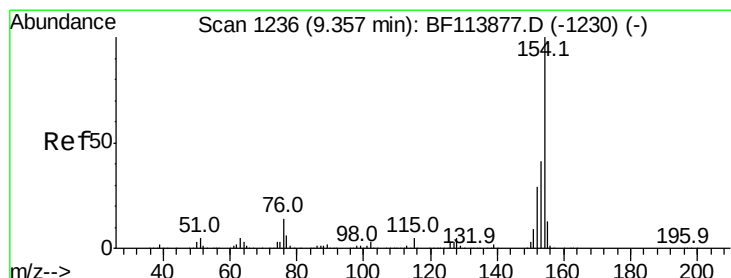
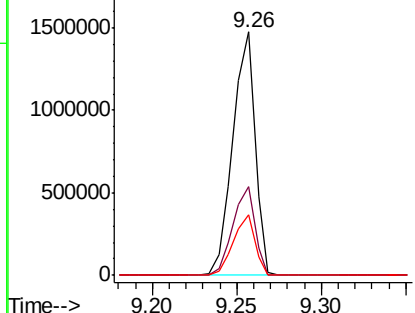
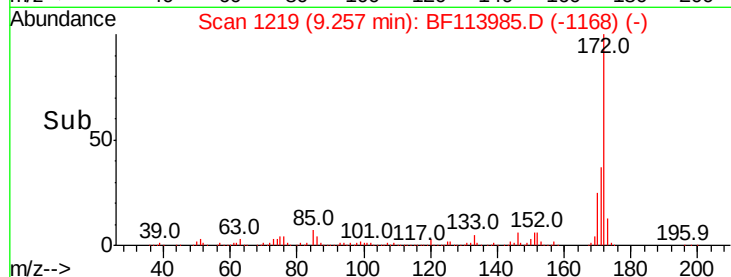
#45
2-Fluorobiphenyl
Concen: 93.865 ng
RT: 9.26 min Scan# 1219
Delta R.T. 0.00 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

Instrument :
BNA_F
ClientSampleId :
HW-7MSD

Tot Ion:172 Resp: 1352737
Ion Ratio Lower Upper
172 100
171 36.7 29.4 44.0
170 24.7 19.9 29.9

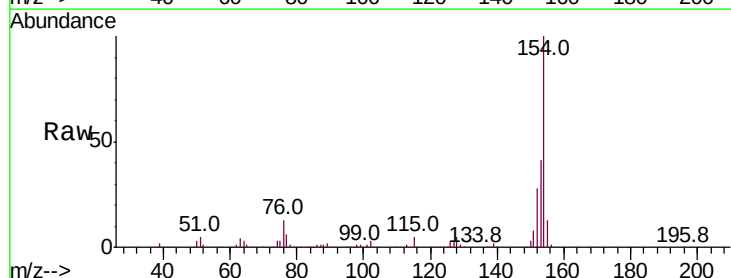


Abundance Ion 172.00 (171.70 to 172.70): E
2000000 Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

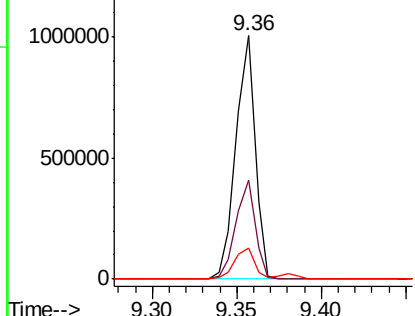
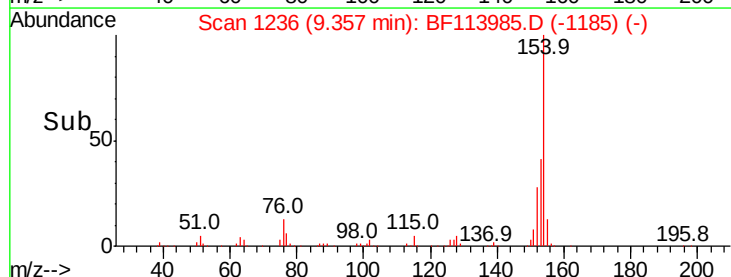


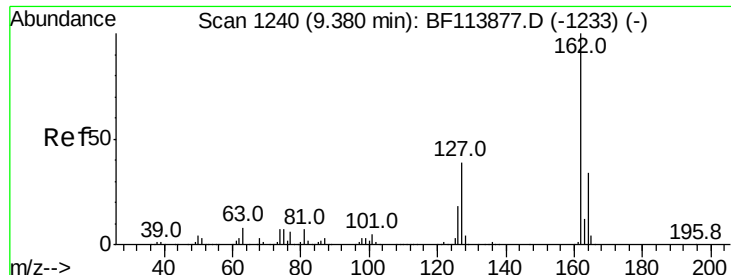
#46
1,1'-Biphenyl
Concen: 46.411 ng
RT: 9.36 min Scan# 1236
Delta R.T. -0.00 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

Tgt Ion:154 Resp: 799144
Ion Ratio Lower Upper
154 100
153 40.8 20.8 60.8
76 12.7 0.0 35.2



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

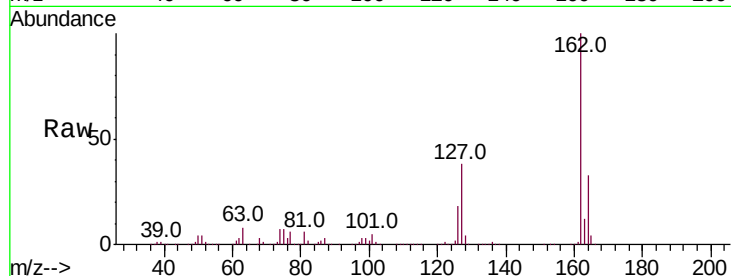




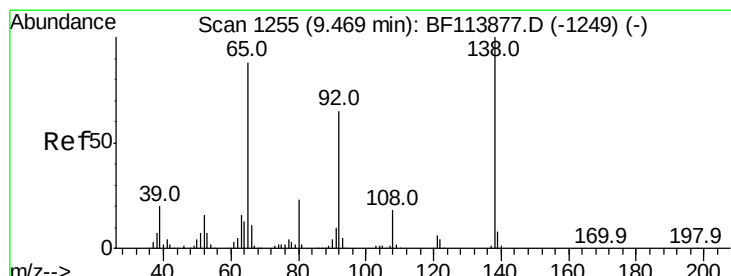
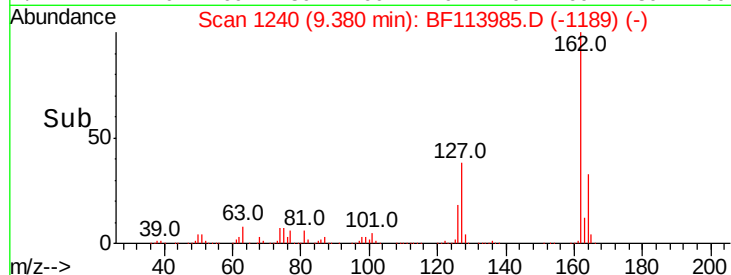
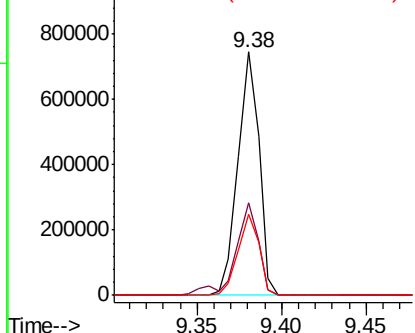
#47
 2-Chloronaphthalene
 Concen: 46.320 ng
 RT: 9.38 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: BF113985.D
 Acq: 25 Apr 2019 18:43

Instrument :
 BNA_F
 ClientSampleId :
 HW-7MSD

Tot Ion:	162	Resp:	648595
Ion	Ratio	Lower	Upper
162	100		
127	38.1	29.3	43.9
164	33.1	27.1	40.7

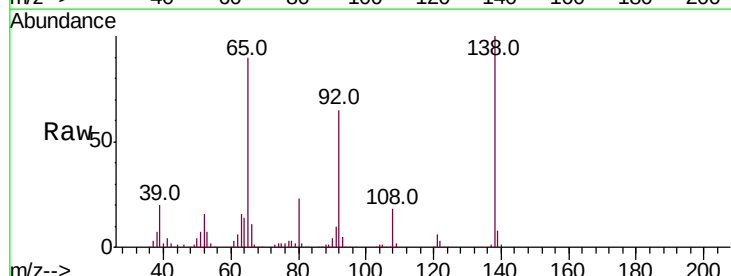


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

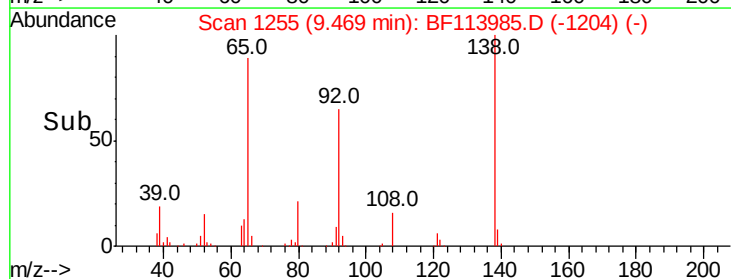
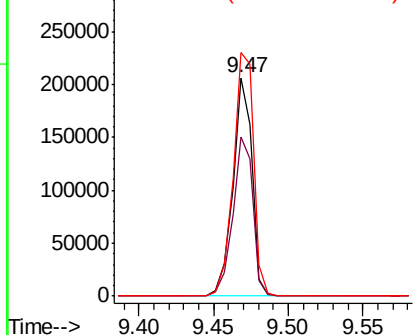


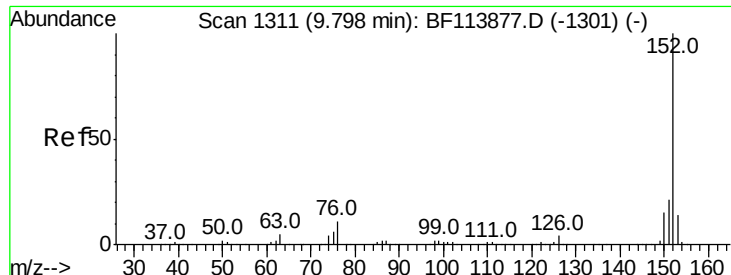
#48
 2-Nitroaniline
 Concen: 51.049 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: BF113985.D
 Acq: 25 Apr 2019 18:43

Tgt Ion:	65	Resp:	187390
Ion	Ratio	Lower	Upper
65	100		
92	72.9	57.4	86.0
138	111.4	85.4	128.0



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 45.929 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.00 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

Instrument :

BNA_F

ClientSampleId :

HW-7MSD

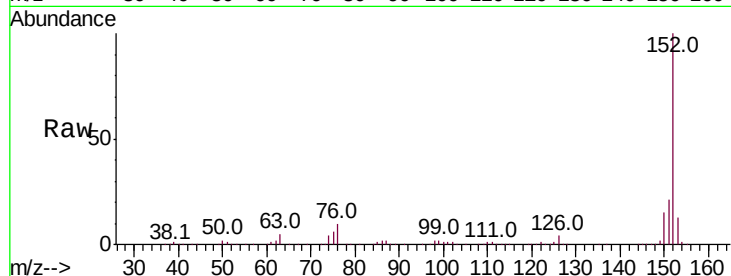
Tot Ion:152 Resp: 1006836

Ion Ratio Lower Upper

152 100

151 20.6 17.0 25.4

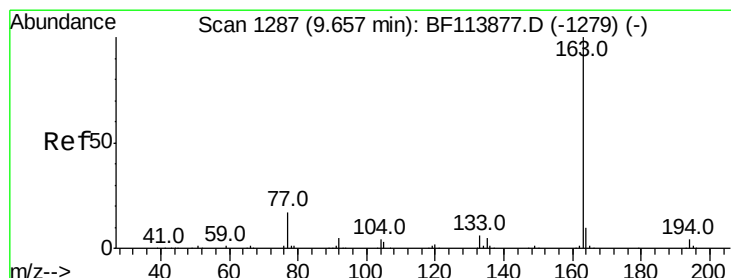
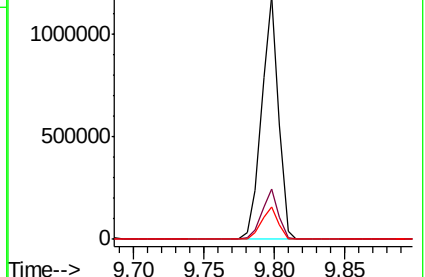
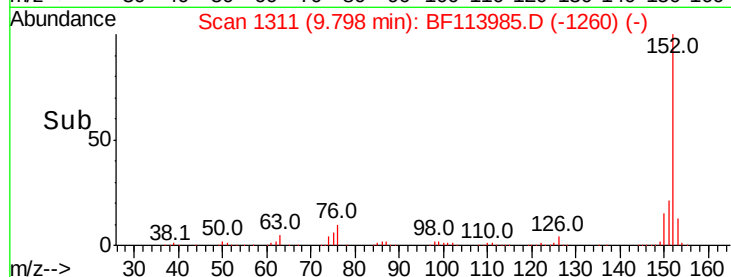
153 13.4 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 49.366 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.00 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

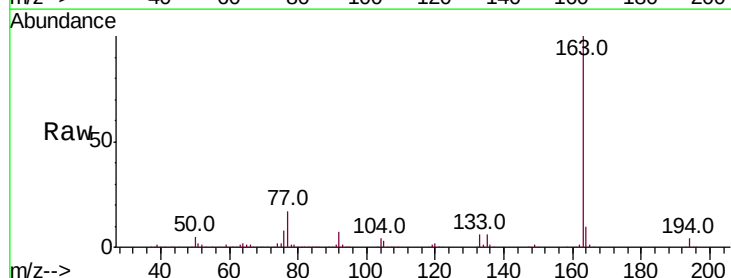
Tgt Ion:163 Resp: 804727

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

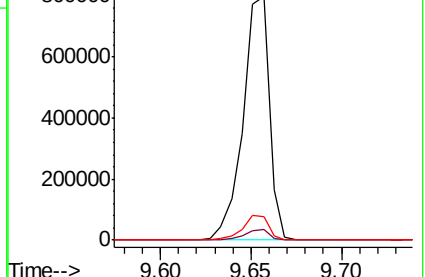
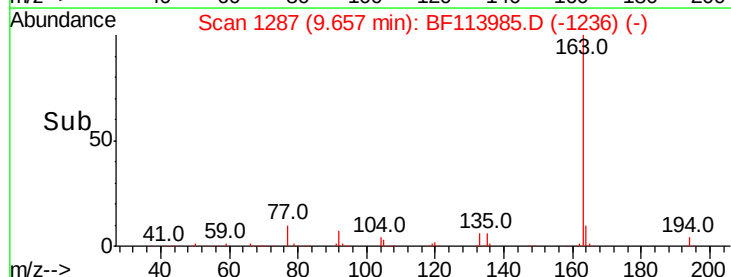
164 9.9 8.5 12.7

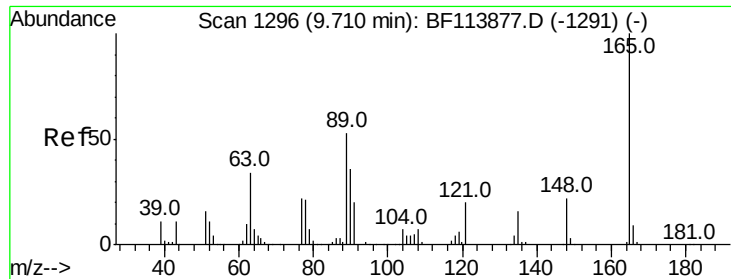


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

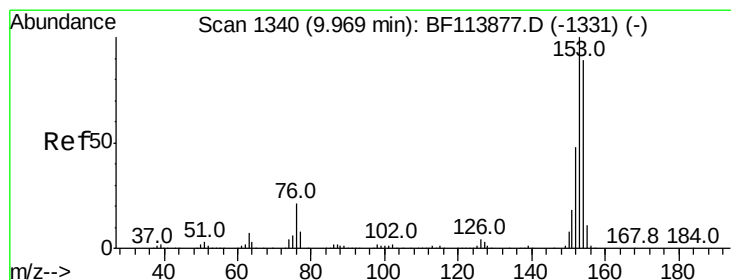
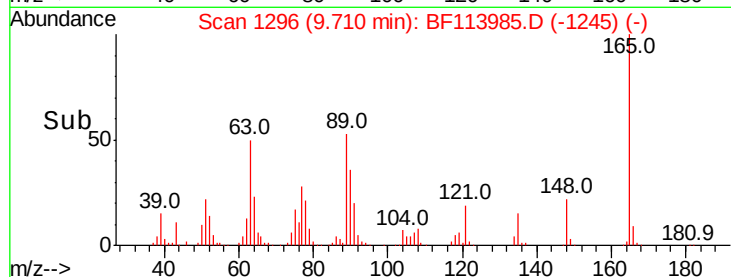
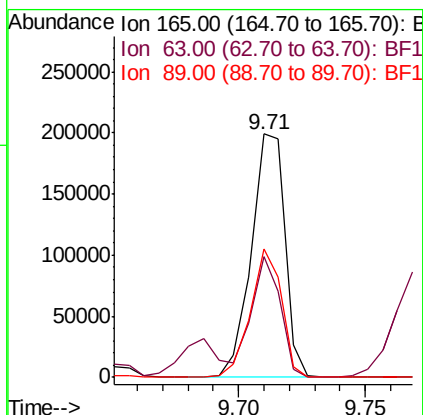
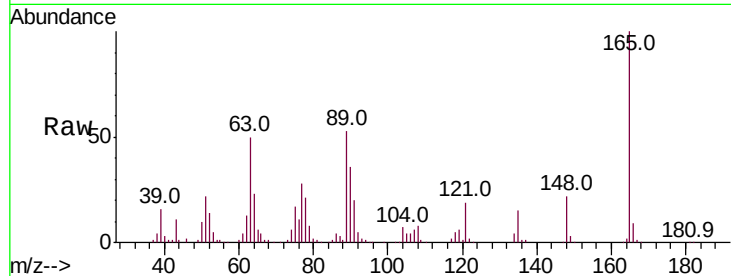




#51
 2,6-Dinitrotoluene
 Concen: 52.742 ng
 RT: 9.71 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: BF113985.D
 Acq: 25 Apr 2019 18:43

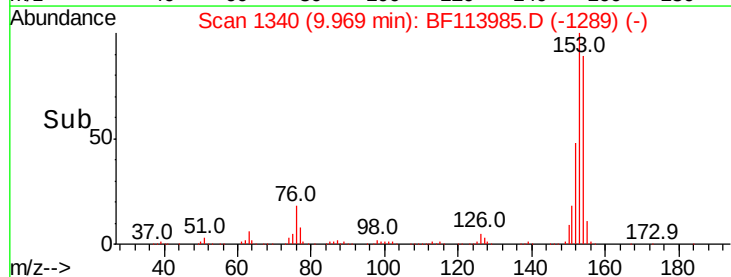
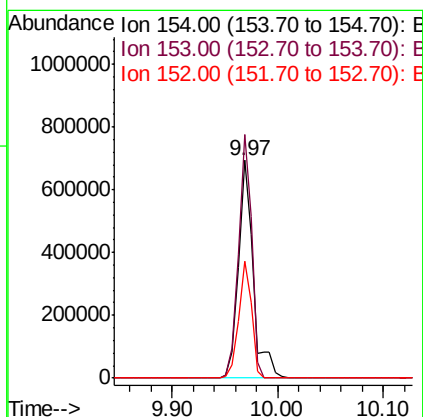
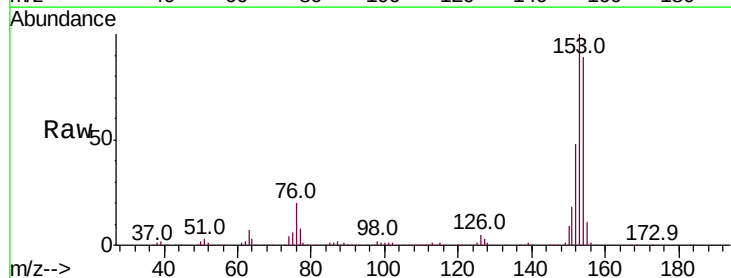
Instrument :
 BNA_F
 ClientSampleId :
 HW-7MSD

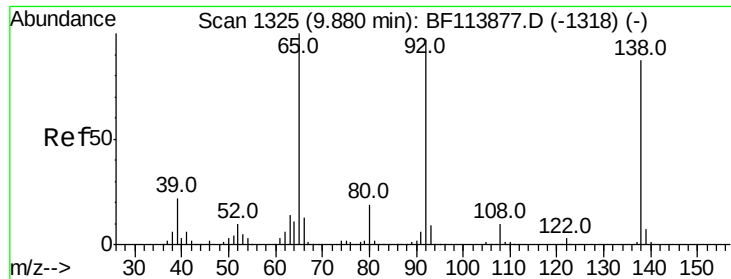
Tot Ion	Ratio	Lower	Upper
165	100		
63	49.7	33.8	50.8
89	52.7	38.2	57.2



#52
 Acenaphthene
 Concen: 51.056 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: BF113985.D
 Acq: 25 Apr 2019 18:43

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.7	87.2	130.8
152	53.4	42.3	63.5

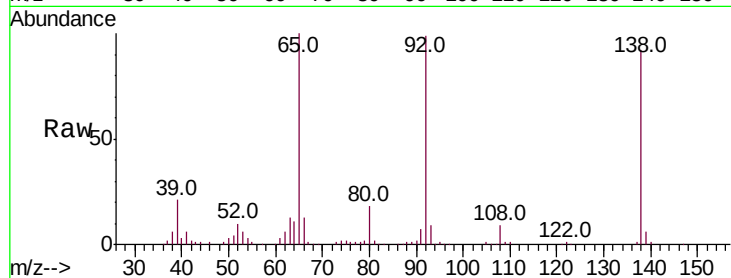




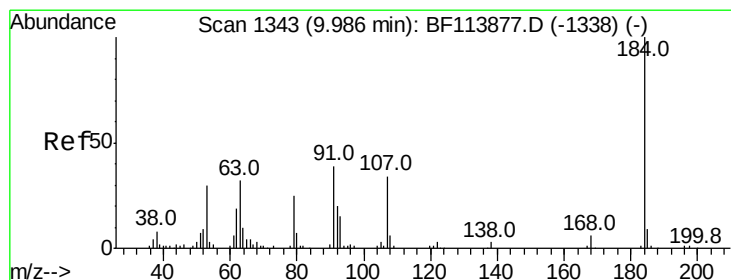
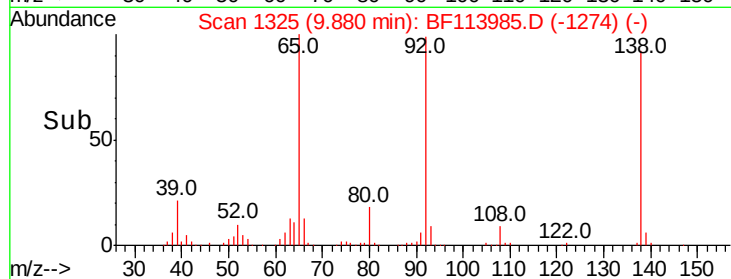
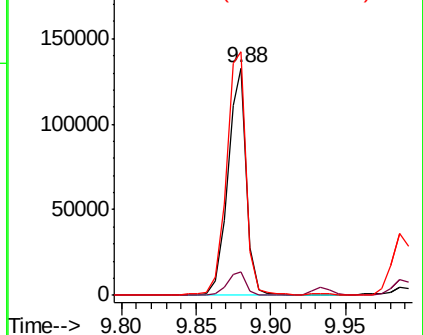
#53
3-Nitroaniline
Concen: 31.837 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

Instrument :
BNA_F
ClientSampleId :
HW-7MSD

Tot Ion:138 Resp: 117000
Ion Ratio Lower Upper
138 100
108 10.1 9.4 14.2
92 107.0 94.1 141.1

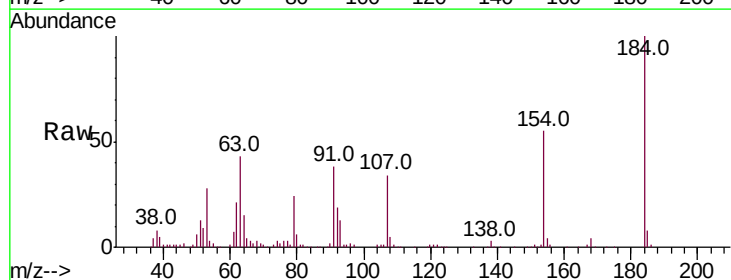


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

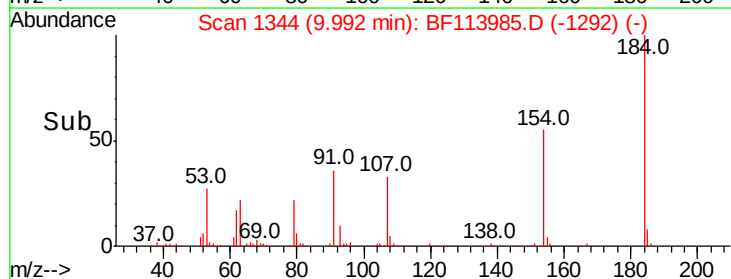
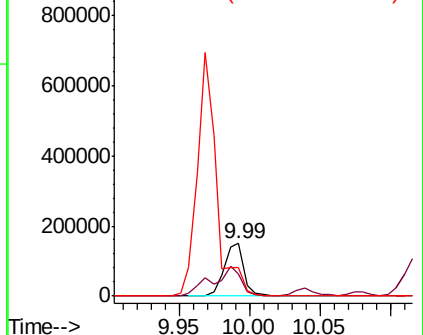


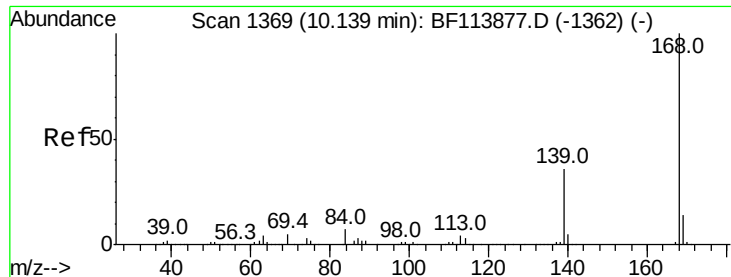
#54
2,4-Dinitrophenol
Concen: 94.685 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.01 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

Tgt Ion:184 Resp: 145846
Ion Ratio Lower Upper
184 100
63 43.0 54.6 81.8#
154 55.5 218.6 328.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

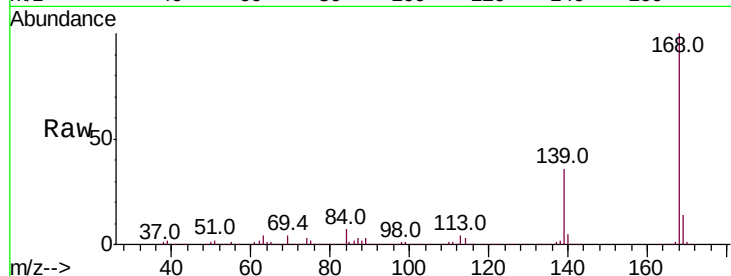




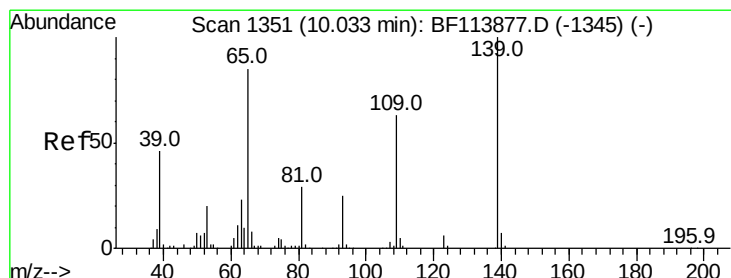
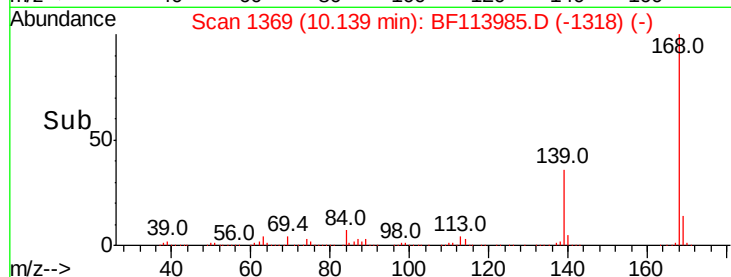
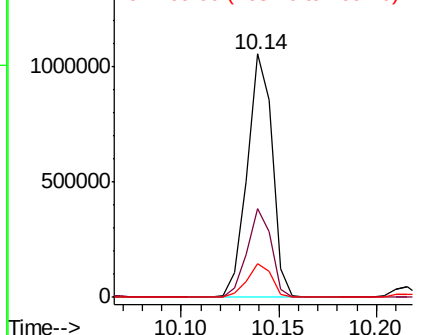
#55
Dibenzenofuran
Concen: 48.437 ng
RT: 10.14 min Scan# 1369
Delta R.T. -0.00 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

Instrument :
BNA_F
ClientSampleId :
HW-7MSD

Tot Ion:168 Resp: 939970
Ion Ratio Lower Upper
168 100
139 36.4 27.8 41.6
169 13.7 11.0 16.6

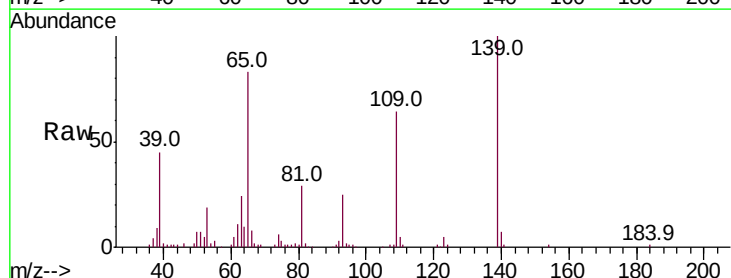


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

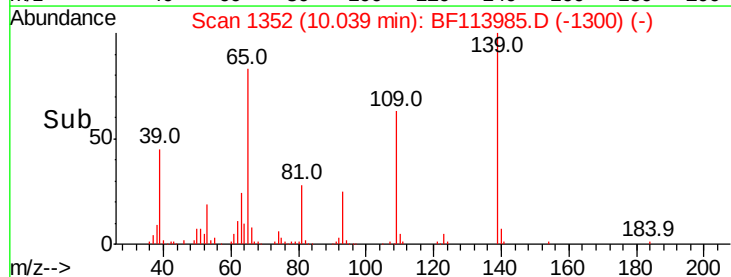
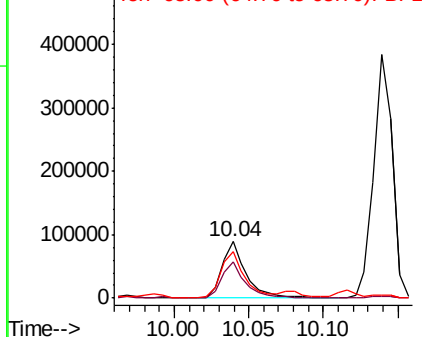


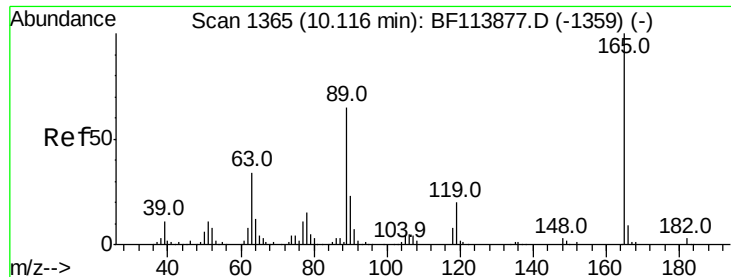
#56
4-Nitrophenol
Concen: 34.983 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.01 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

Tgt Ion:139 Resp: 101790
Ion Ratio Lower Upper
139 100
109 63.9 42.9 82.9
65 83.4 64.4 104.4



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): BF1

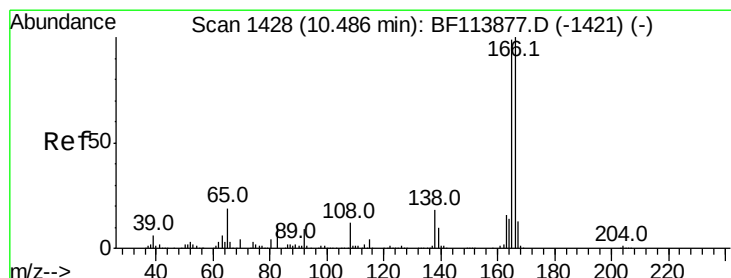
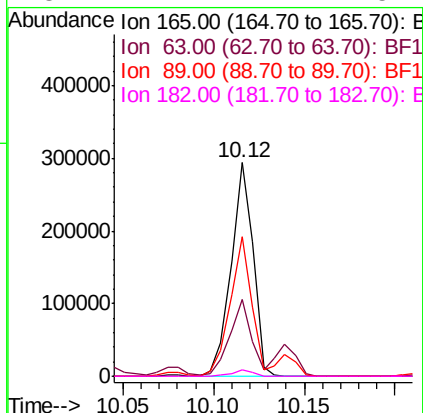
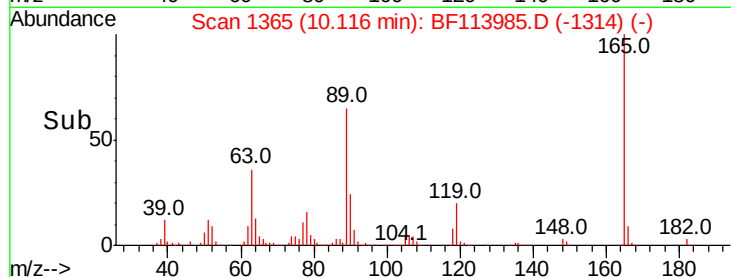
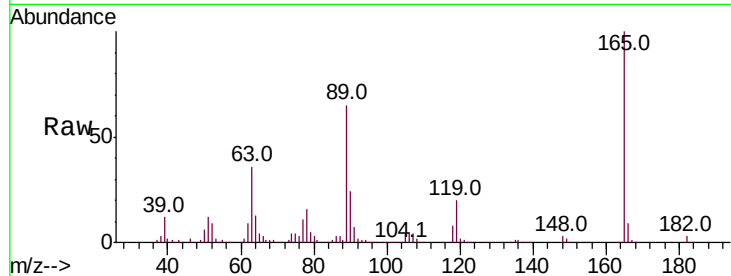




#57
2,4-Dinitrotoluene
Concen: 56.504 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.00 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

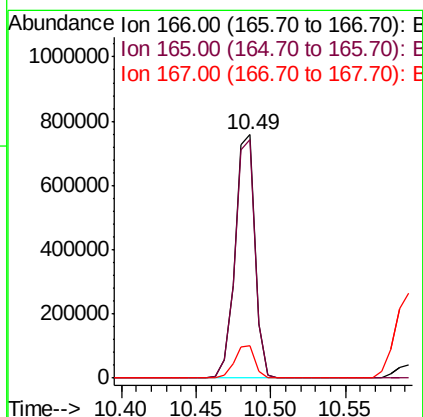
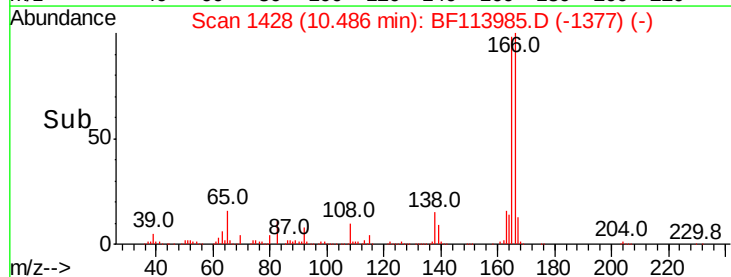
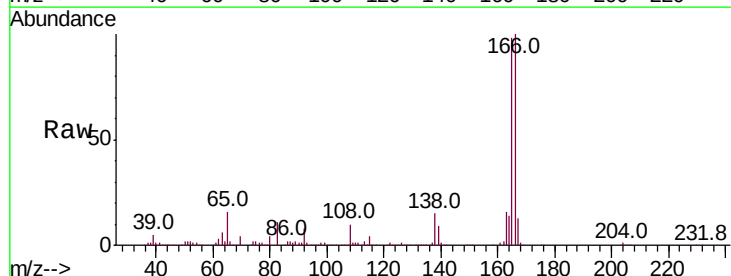
Instrument :
BNA_F
ClientSampleId :
HW-7MSD

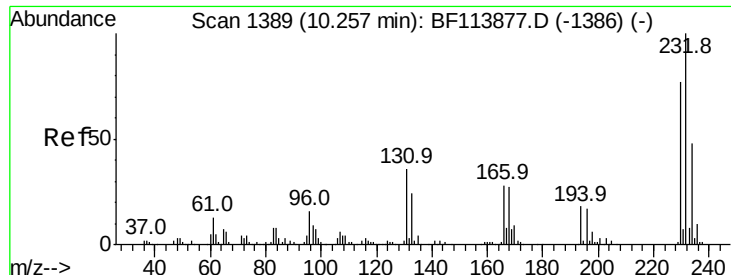
Tot Ion	Ratio	Lower	Upper
165	100		
63	36.1	27.4	41.0
89	65.5	51.8	77.6
182	2.7	2.2	3.2



#58
Fluorene
Concen: 48.842 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.00 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.4	117.6
167	13.1	10.9	16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 46.704 ng

RT: 10.26 min Scan# 1389

Delta R.T. -0.00 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

Instrument :

BNA_F

ClientSampleId :

HW-7MSD

Tot Ion:232 Resp: 214031

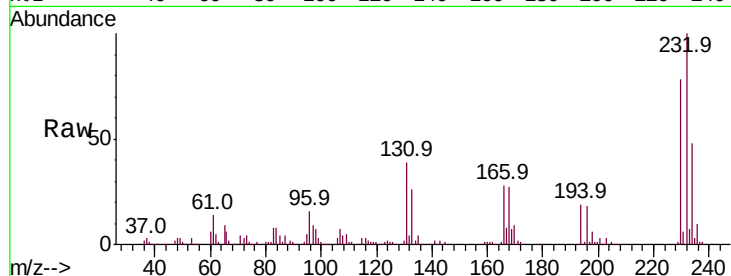
Ion Ratio Lower Upper

232 100

131 36.3 30.2 45.2

130 1.8 1.5 2.3

166 26.3 22.2 33.4

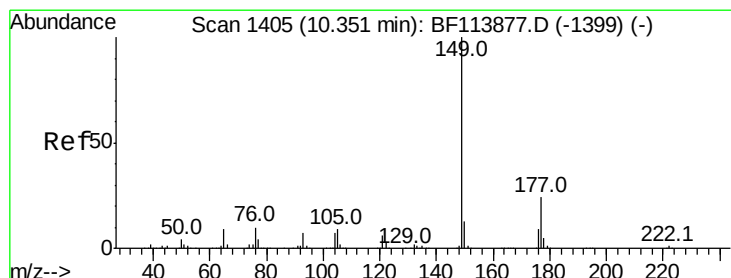
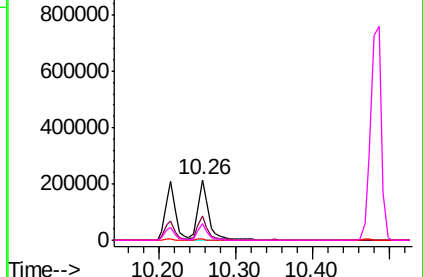
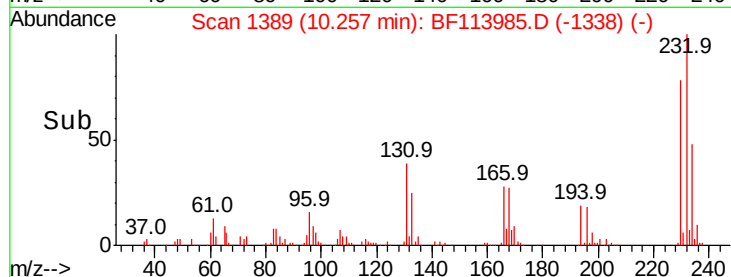


Abundance Ion 232.00 (231.70 to 232.70): E

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



#60

Diethylphthalate

Concen: 50.339 ng

RT: 10.35 min Scan# 1405

Delta R.T. -0.00 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

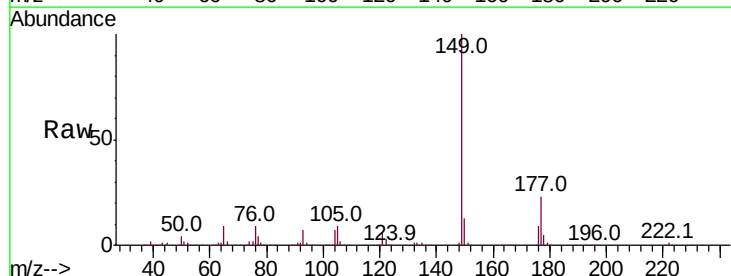
Tgt Ion:149 Resp: 779252

Ion Ratio Lower Upper

149 100

177 23.2 19.2 28.8

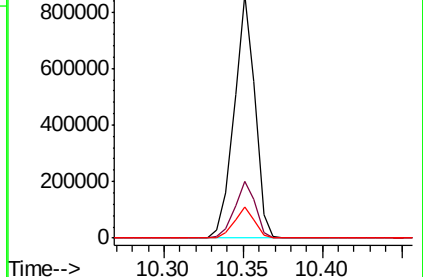
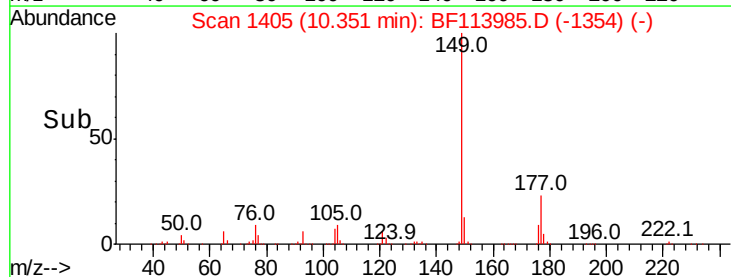
150 12.5 10.3 15.5

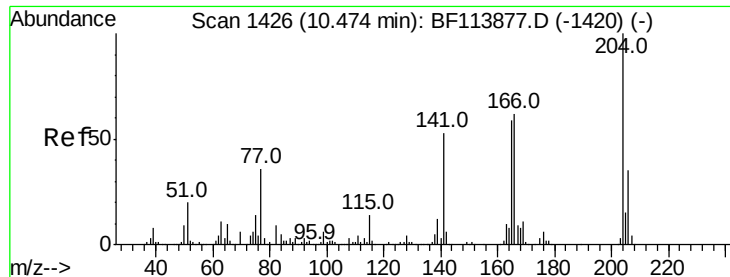


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

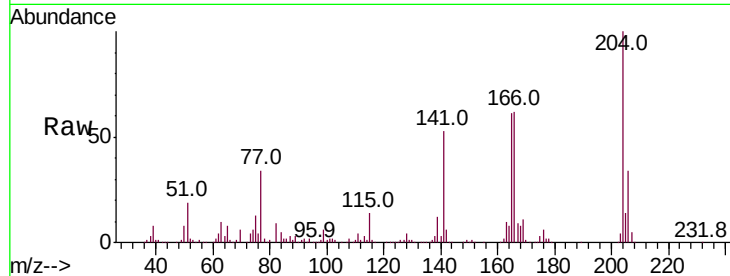




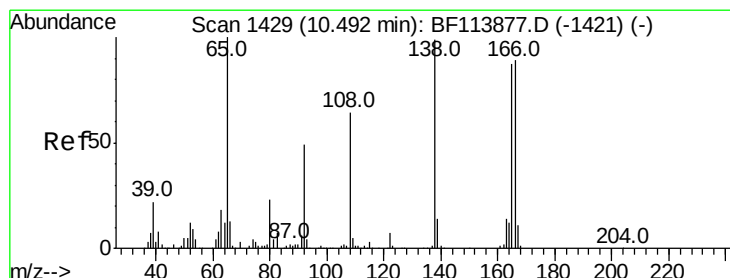
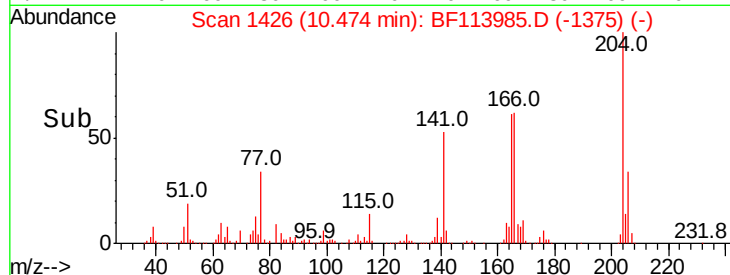
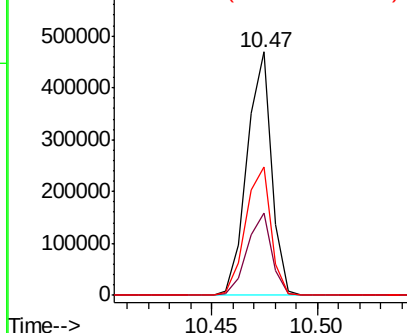
#61
4-Chlorophenyl-phenylether
Concen: 48.952 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.00 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

Instrument :
BNA_F
ClientSampleId :
HW-7MSD

Tot Ion:204 Resp: 378768
Ion Ratio Lower Upper
204 100
206 34.0 27.4 41.2
141 52.5 42.6 63.8

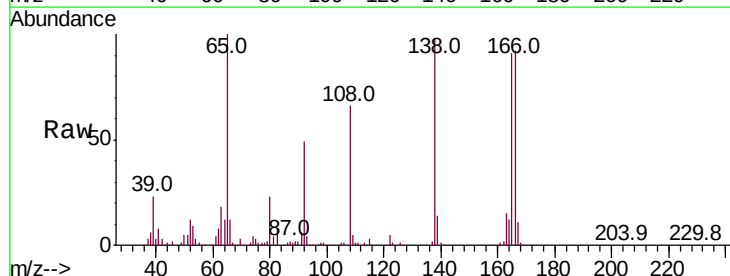


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

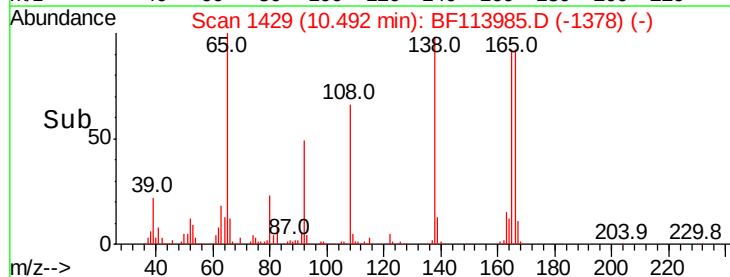
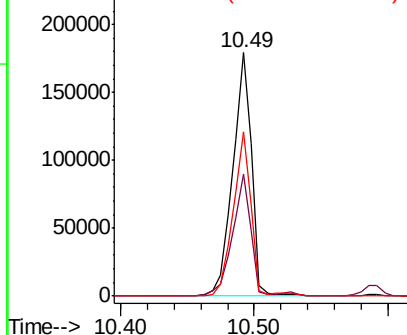


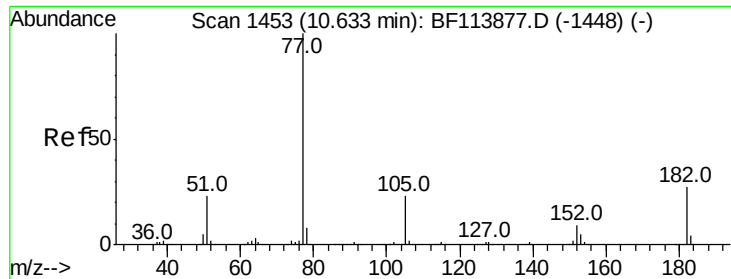
#62
4-Nitroaniline
Concen: 49.583 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.00 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

Tgt Ion:138 Resp: 177817
Ion Ratio Lower Upper
138 100
92 50.0 31.3 71.3
108 67.3 48.9 88.9



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 47.969 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.00 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

Instrument :

BNA_F

ClientSampleId :

HW-7MSD

Tot Ion: 77 Resp: 719685

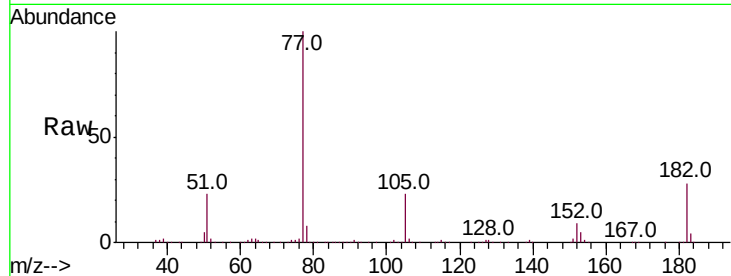
Ion Ratio Lower Upper

77 100

182 27.6 4.4 44.4

105 22.5 2.2 42.2

51 23.4 3.9 43.9

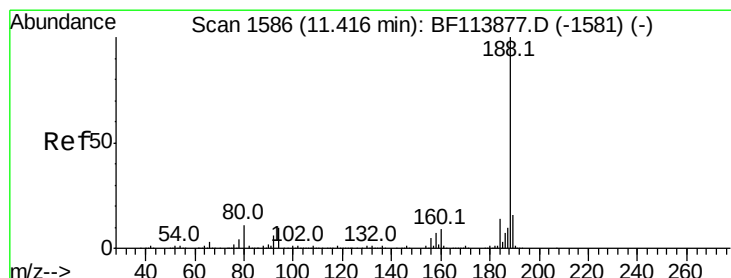
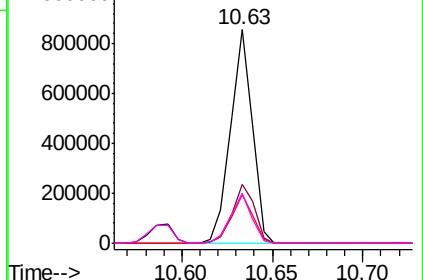
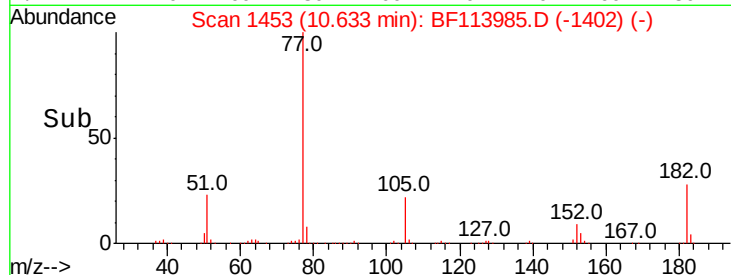


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1587

Delta R.T. 0.01 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

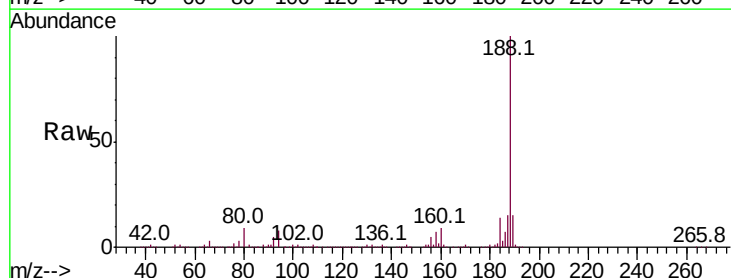
Tgt Ion: 188 Resp: 483776

Ion Ratio Lower Upper

188 100

94 8.4 8.2 12.4

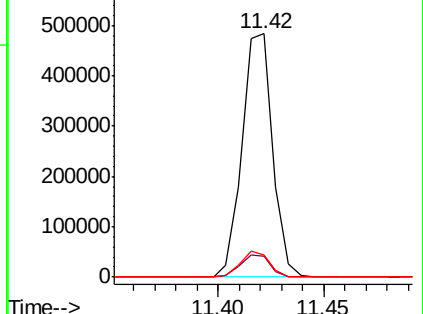
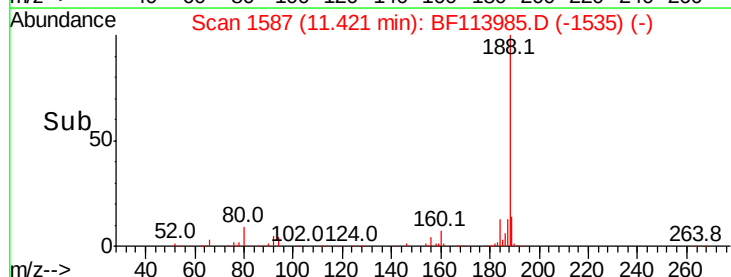
80 9.2 9.0 13.6

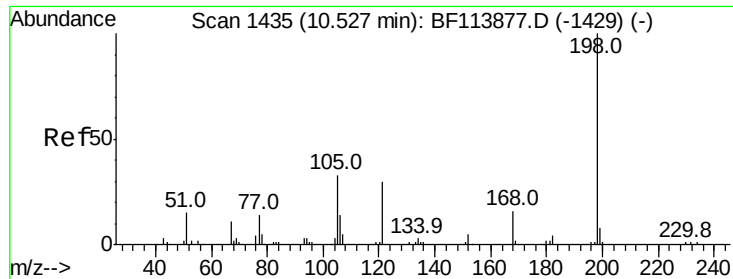


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

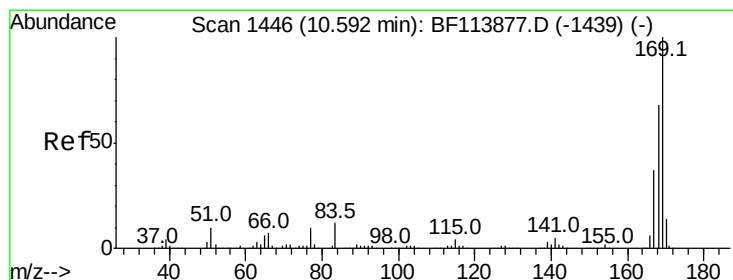
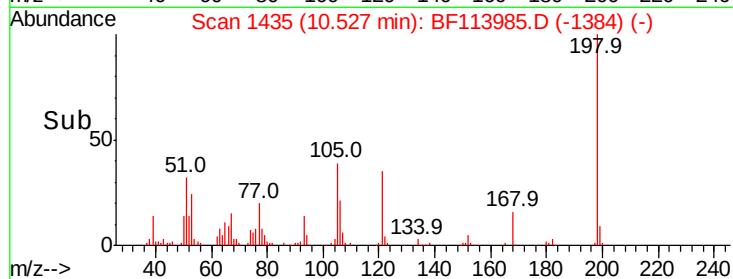
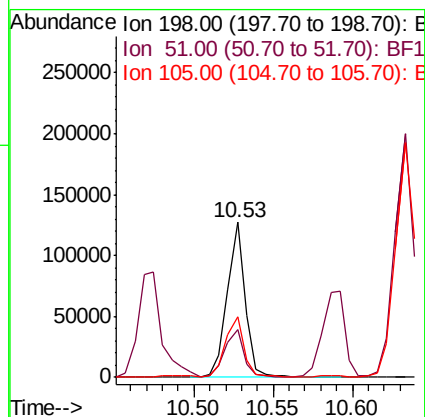
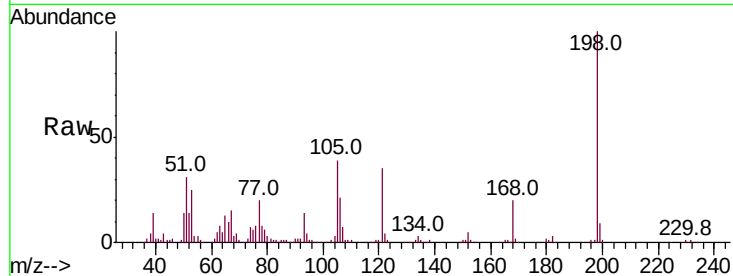




#65
 4,6-Dinitro-2-methylphenol
 Concen: 45.849 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BF113985.D
 Acq: 25 Apr 2019 18:43

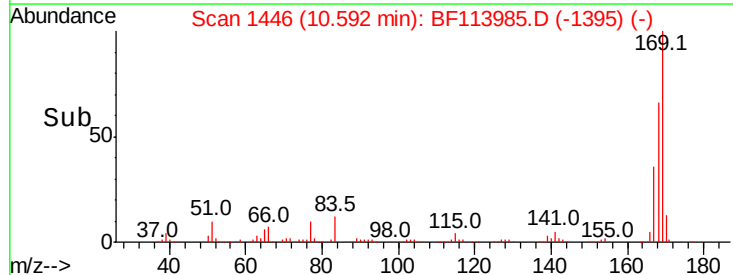
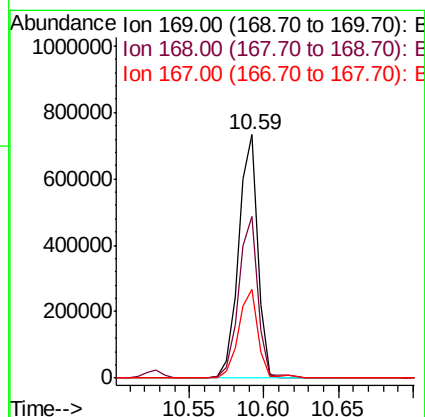
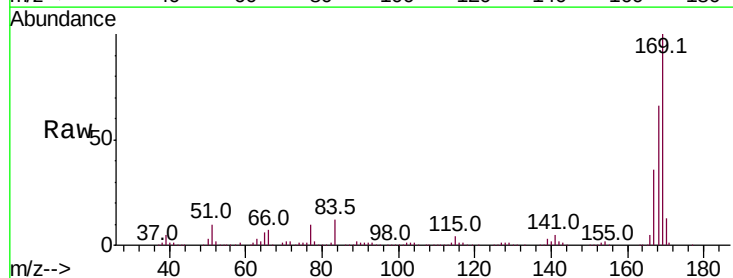
Instrument :
 BNA_F
 ClientSampled :
 HW-7MSD

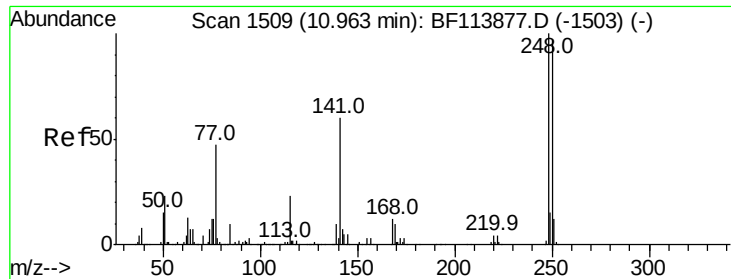
Tot Ion:198 Resp: 100807
 Ion Ratio Lower Upper
 198 100
 51 31.2 11.1 51.1
 105 39.3 20.7 60.7



#66
 n-Nitrosodiphenylamine
 Concen: 45.501 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.00 min
 Lab File: BF113985.D
 Acq: 25 Apr 2019 18:43

Tgt Ion:169 Resp: 660491
 Ion Ratio Lower Upper
 169 100
 168 66.3 54.3 81.5
 167 36.3 29.4 44.0

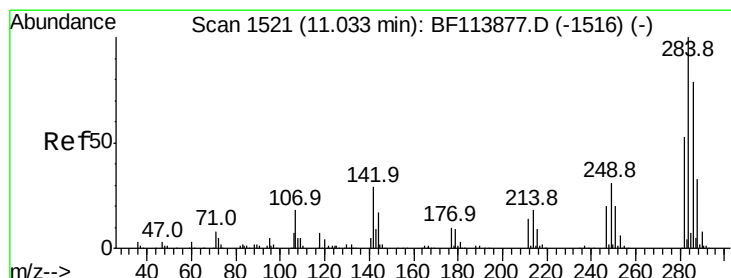
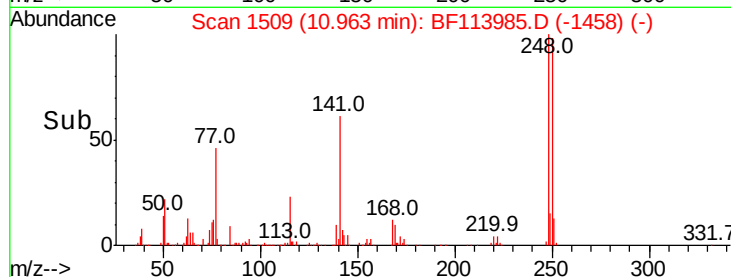
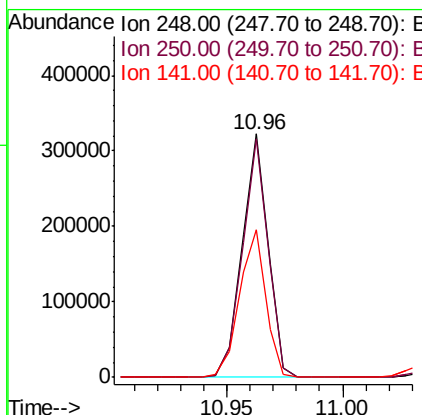
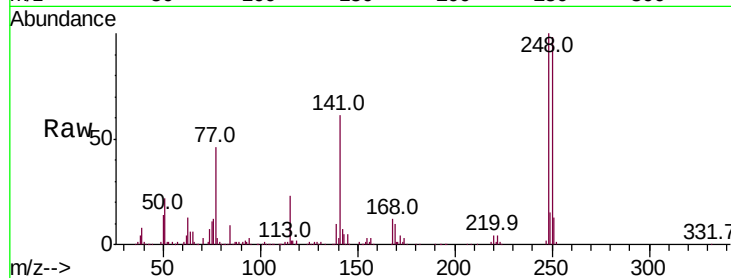




#67
4-Bromophenyl-phenylether
Concen: 43.345 ng
RT: 10.96 min Scan# 1509
Delta R.T. -0.00 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

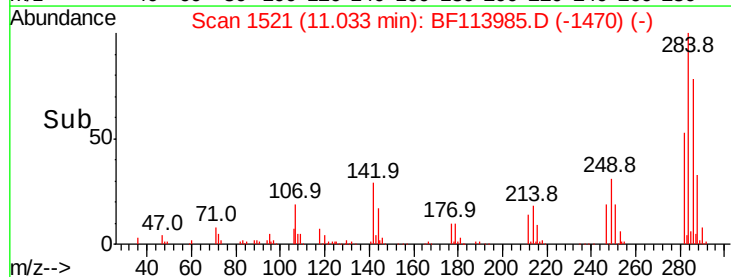
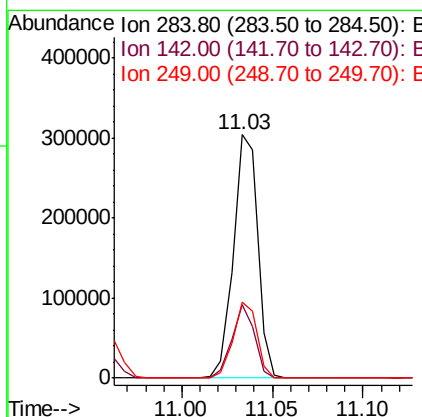
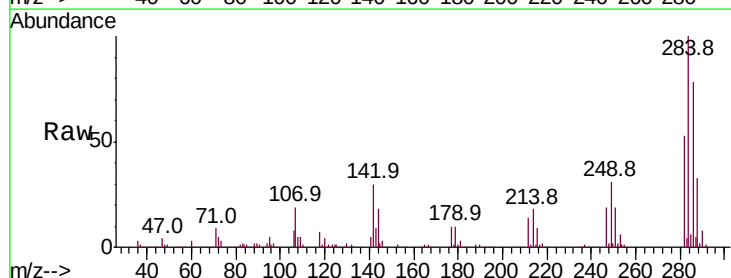
Instrument :
BNA_F
ClientSampleId :
HW-7MSD

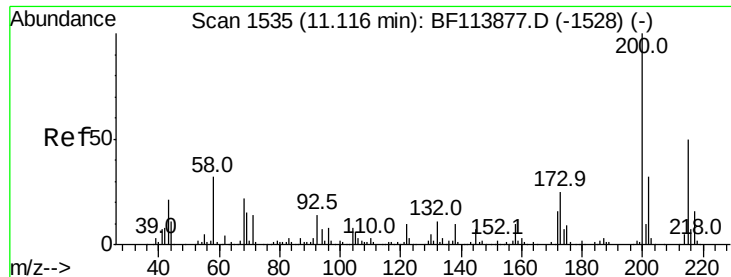
Tot Ion:248 Resp: 253317
Ion Ratio Lower Upper
248 100
250 98.0 75.8 113.6
141 60.6 50.2 75.4



#68
Hexachlorobenzene
Concen: 44.377 ng
RT: 11.03 min Scan# 1521
Delta R.T. -0.00 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

Tgt Ion:284 Resp: 284996
Ion Ratio Lower Upper
284 100
142 30.3 23.0 34.4
249 31.0 24.4 36.6

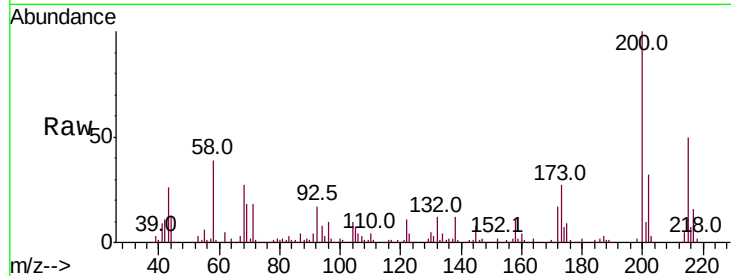




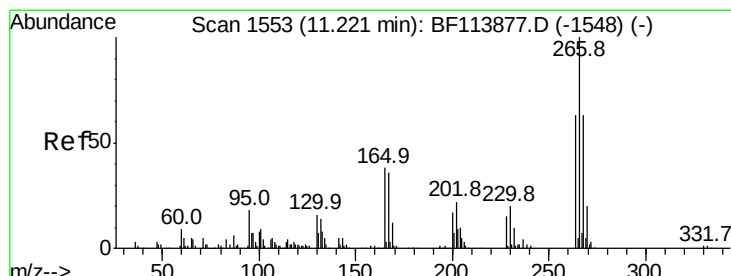
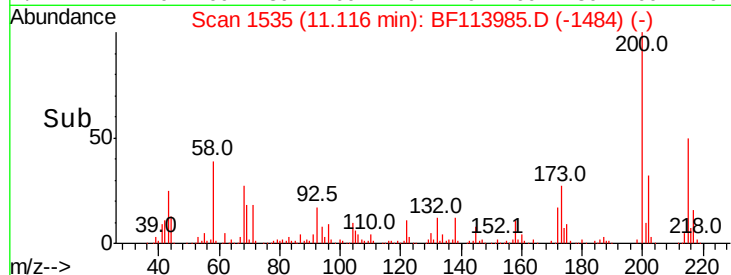
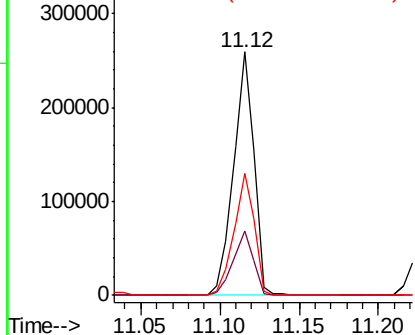
#69
Atrazine
Concen: 48.998 ng
RT: 11.12 min Scan# 1535
Delta R.T. 0.00 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

Instrument :
BNA_F
ClientSampleId :
HW-7MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.7	5.9	45.9
215	49.9	29.3	69.3

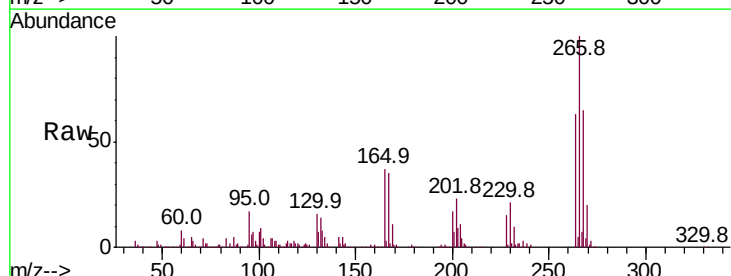


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

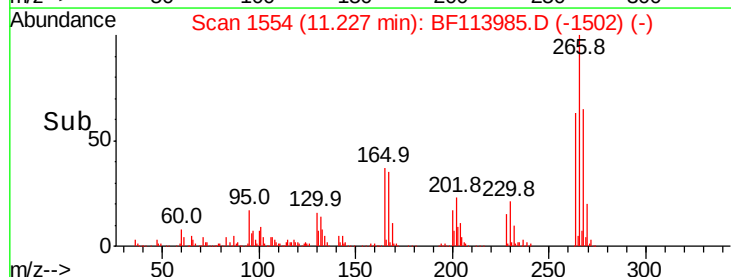
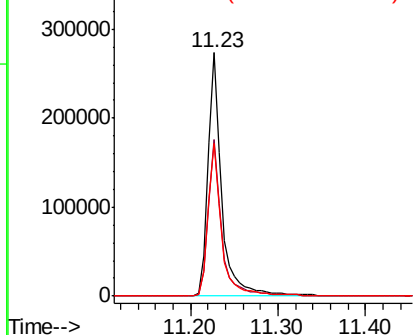


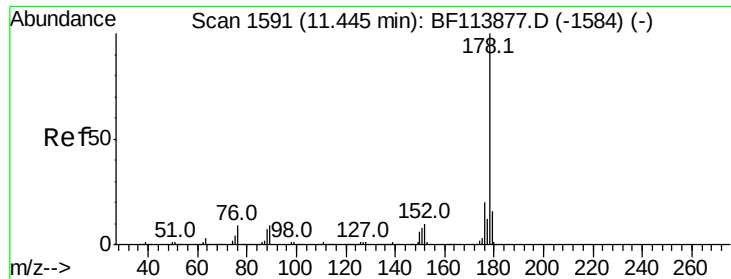
#70
Pentachlorophenol
Concen: 82.803 ng
RT: 11.23 min Scan# 1554
Delta R.T. 0.01 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.5	53.5	80.3
264	63.0	51.0	76.6



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 47.255 ng

RT: 11.44 min Scan# 1591

Delta R.T. -0.00 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

Instrument :

BNA_F

ClientSampleId :

HW-7MSD

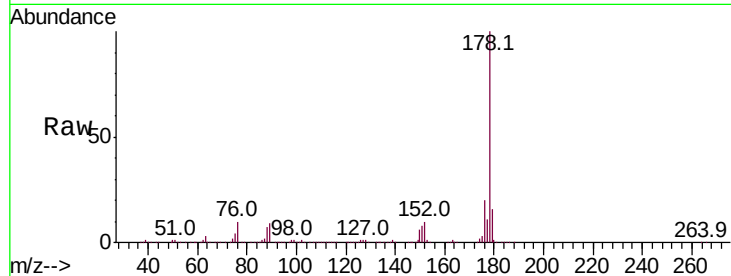
Tot Ion:178 Resp: 1148882

Ion Ratio Lower Upper

178 100

176 19.9 16.1 24.1

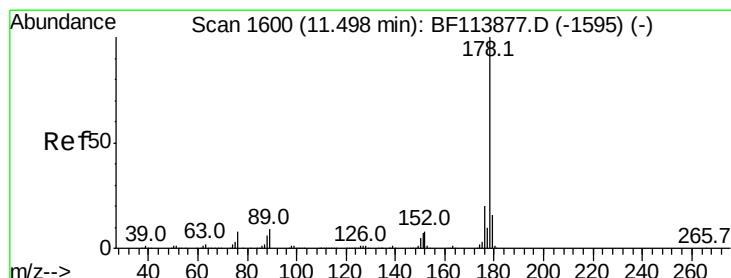
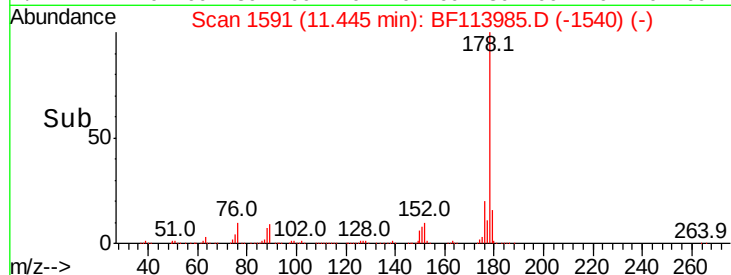
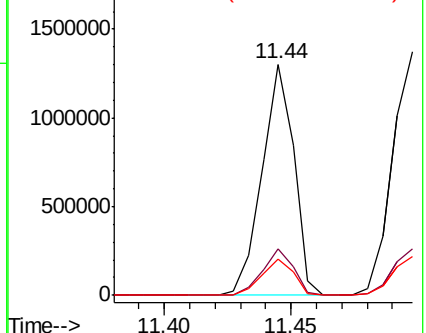
179 15.6 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 48.171 ng

RT: 11.50 min Scan# 1600

Delta R.T. -0.00 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

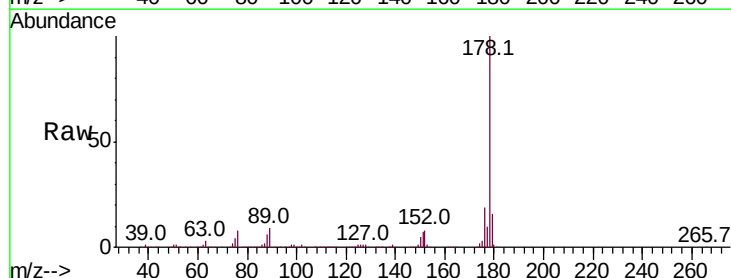
Tgt Ion:178 Resp: 1182681

Ion Ratio Lower Upper

178 100

176 19.2 15.7 23.5

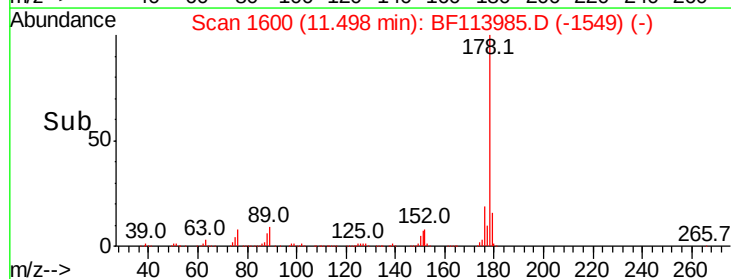
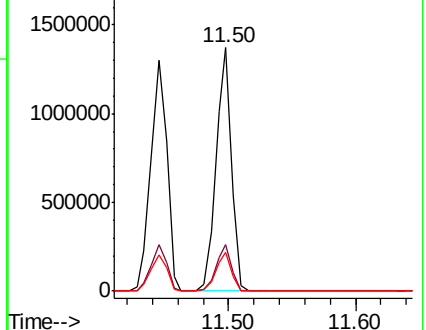
179 16.0 13.0 19.4

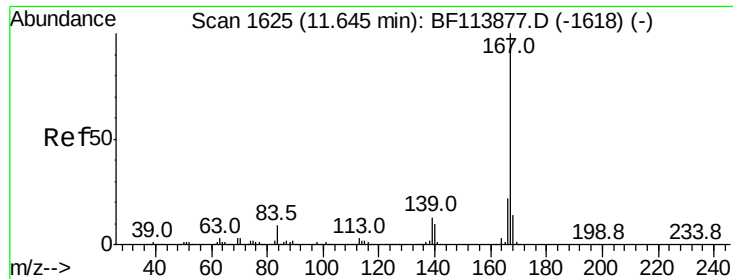


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 49.175 ng

RT: 11.64 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

Instrument :

BNA_F

ClientSampleId :

HW-7MSD

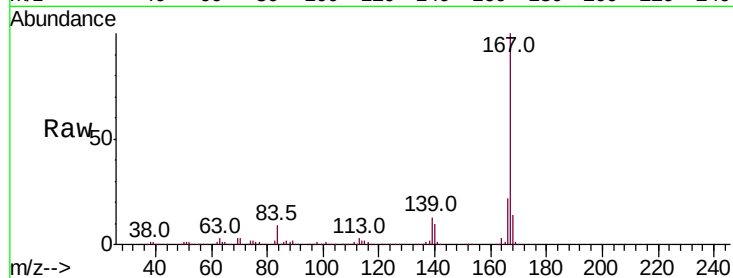
Tot Ion:167 Resp: 1077115

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.7	26.5
139	12.8	10.0	15.0

167 100

166 22.1 17.7 26.5

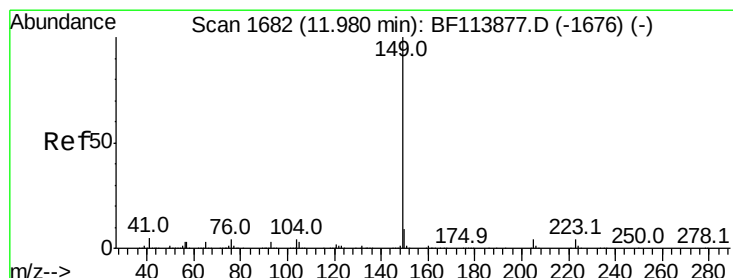
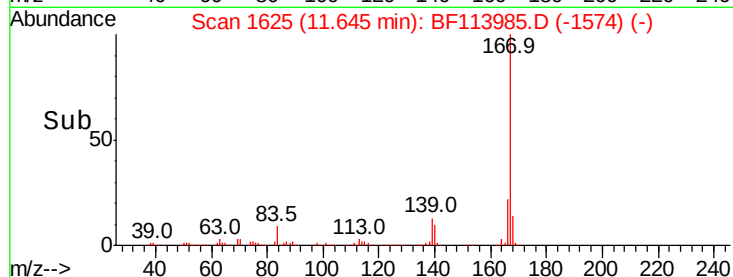
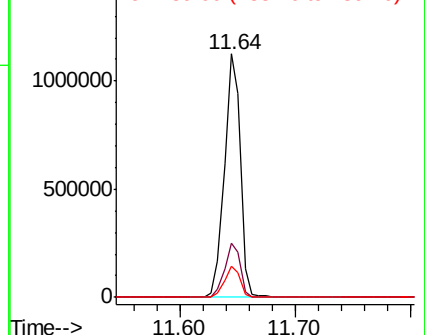
139 12.8 10.0 15.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 49.825 ng

RT: 11.97 min Scan# 1681

Delta R.T. -0.01 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

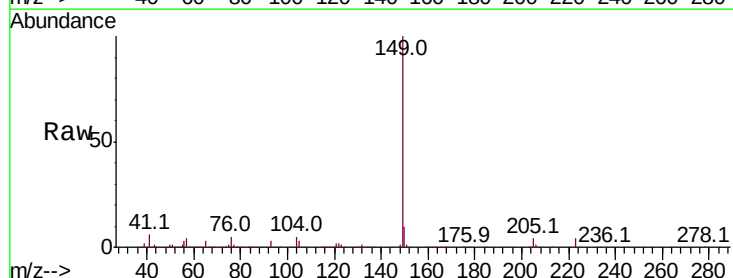
Tgt Ion:149 Resp: 1283776

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.8	11.8
104	4.8	3.8	5.8

149 100

150 9.6 7.8 11.8

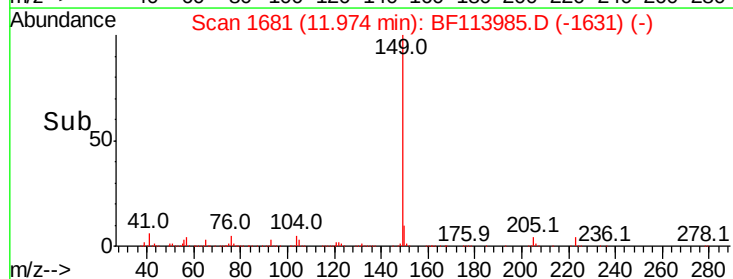
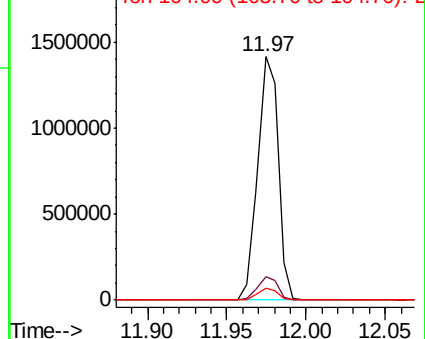
104 4.8 3.8 5.8

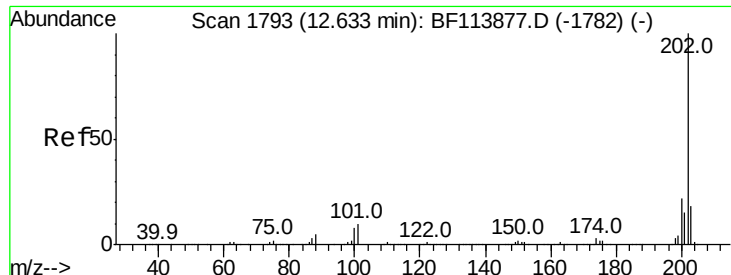


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

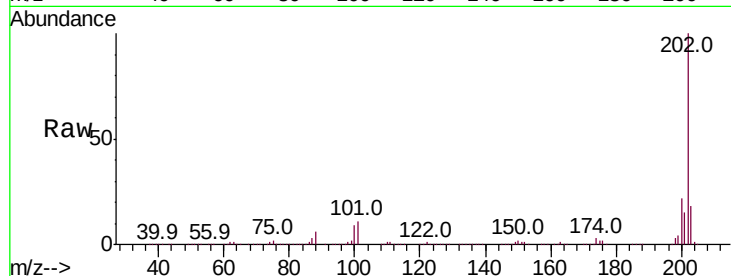




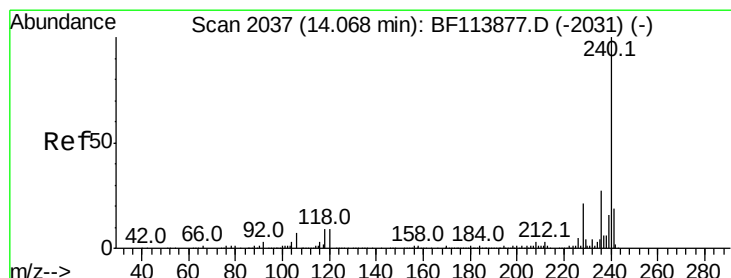
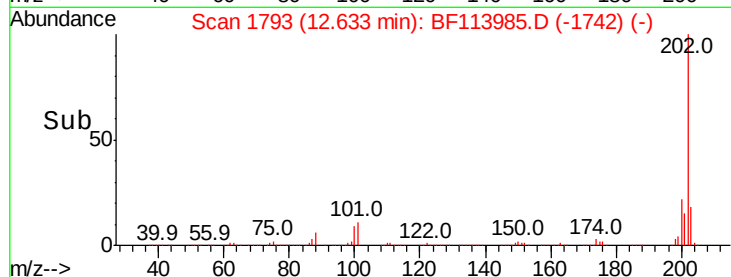
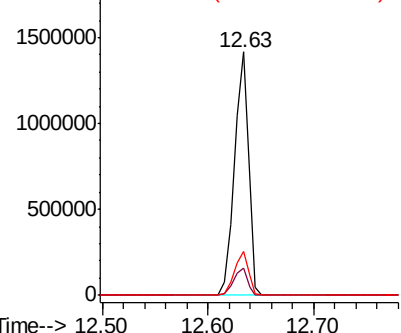
#75
 Fluoranthene
 Concen: 48.993 ng
 RT: 12.63 min Scan# 1793
 Delta R.T. 0.00 min
 Lab File: BF113985.D
 Acq: 25 Apr 2019 18:43

Instrument :
 BNA_F
 ClientSampleId :
 HW-7MSD

Tot Ion:202 Resp: 1299562
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 32.9
 203 17.8 0.0 38.2

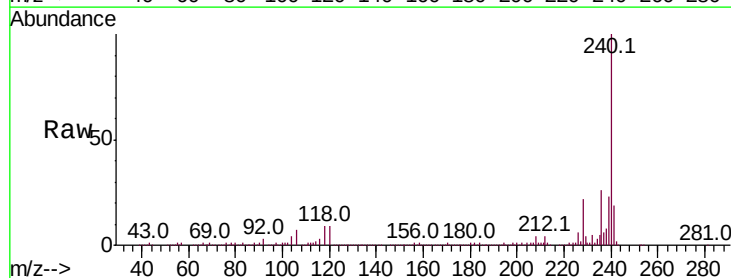


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

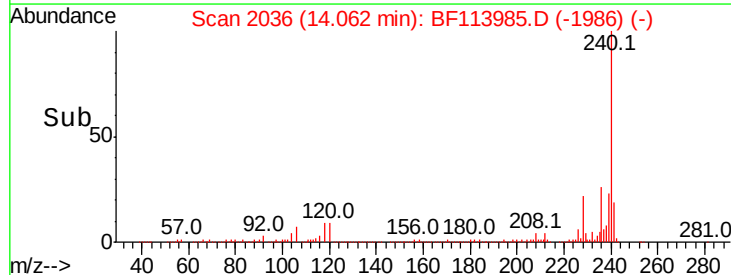
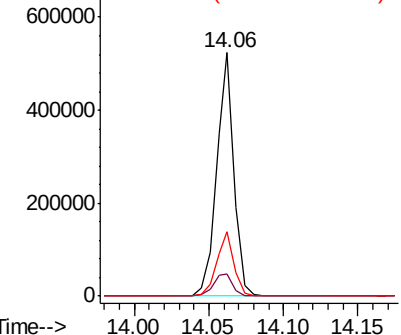


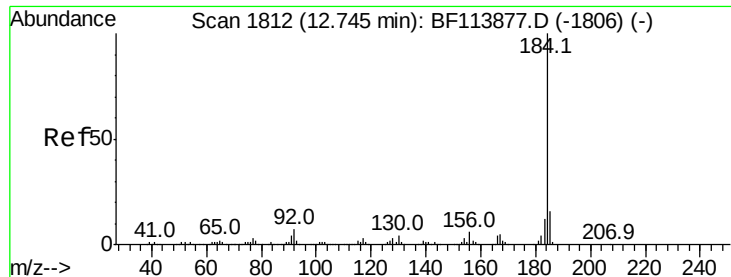
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: BF113985.D
 Acq: 25 Apr 2019 18:43

Tgt Ion:240 Resp: 426639
 Ion Ratio Lower Upper
 240 100
 120 9.0 9.3 13.9#
 236 26.4 21.2 31.8



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





#77

Benzidine

Concen: 44.090 ng

RT: 12.74 min Scan# 1812

Delta R.T. 0.00 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

Instrument :

BNA_F

ClientSampleId :

HW-7MSD

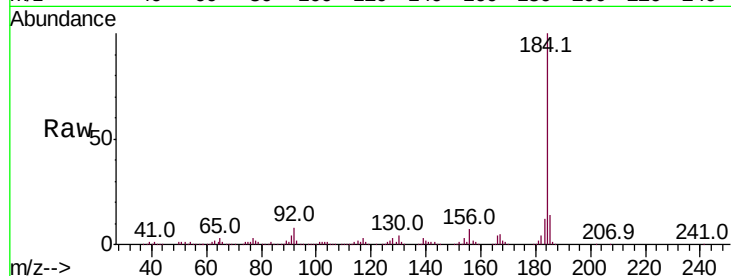
Tot Ion:184 Resp: 560475

Ion Ratio Lower Upper

184 100

185 14.4 13.0 19.6

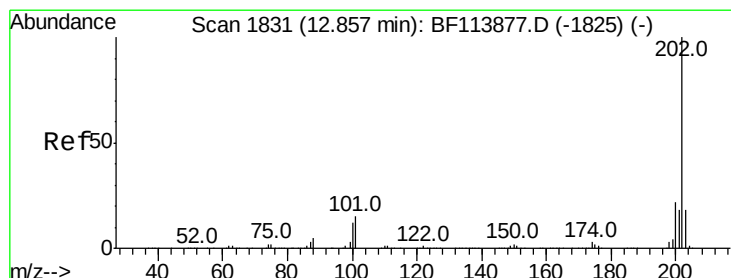
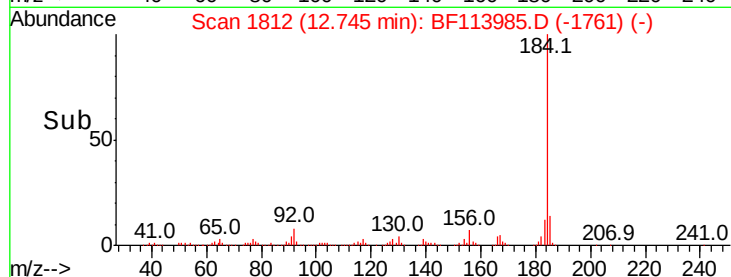
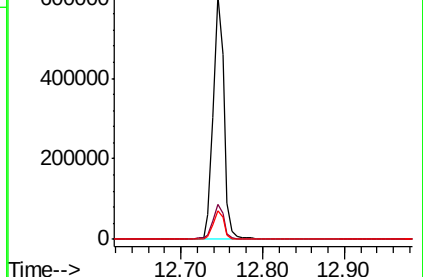
183 11.6 9.4 14.0



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



#78

Pyrene

Concen: 44.069 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

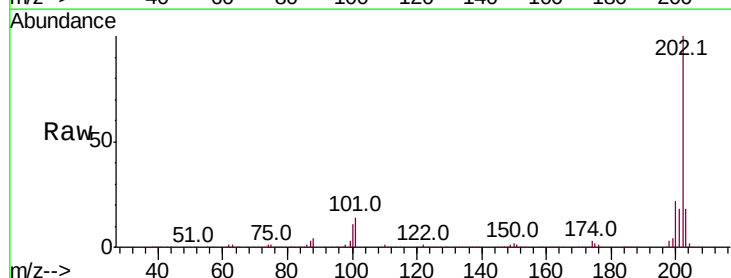
Tgt Ion:202 Resp: 1314828

Ion Ratio Lower Upper

202 100

200 22.2 17.7 26.5

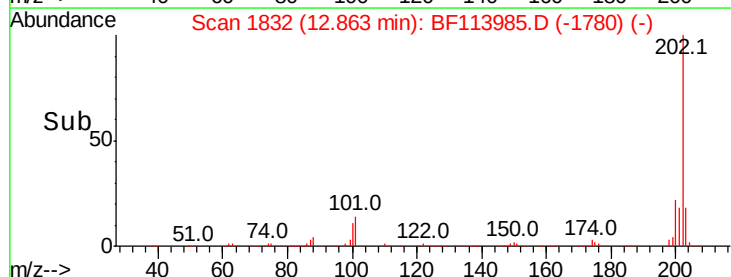
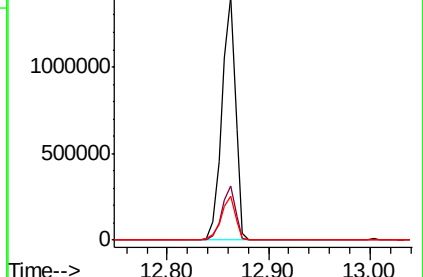
203 18.0 15.0 22.6

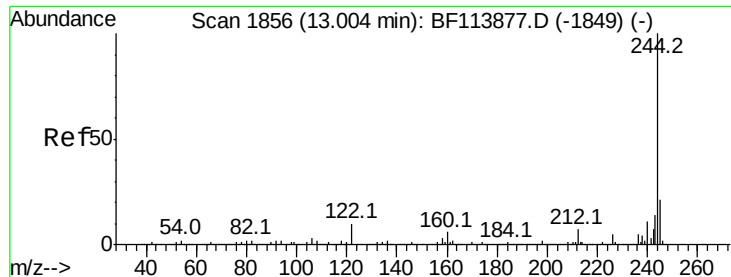


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 91.956 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

Instrument :

BNA_F

ClientSampleId :

HW-7MSD

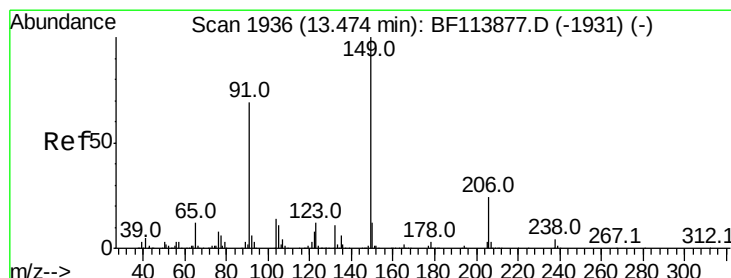
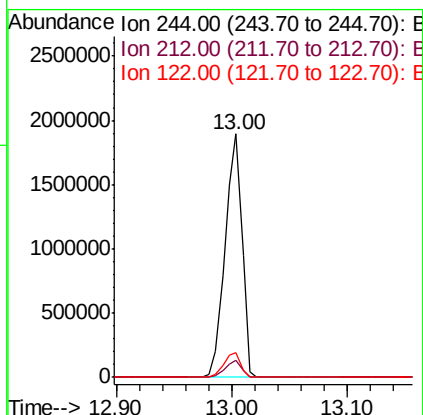
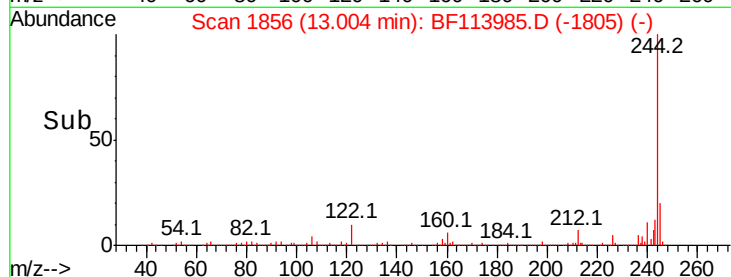
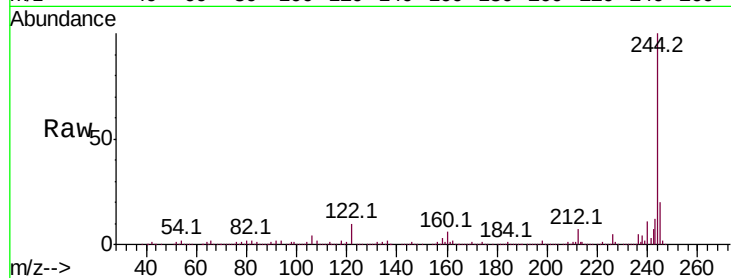
Tot Ion:244 Resp: 1913642

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

122 10.3 7.6 11.4



#80

Butylbenzylphthalate

Concen: 50.294 ng

RT: 13.47 min Scan# 1936

Delta R.T. -0.00 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

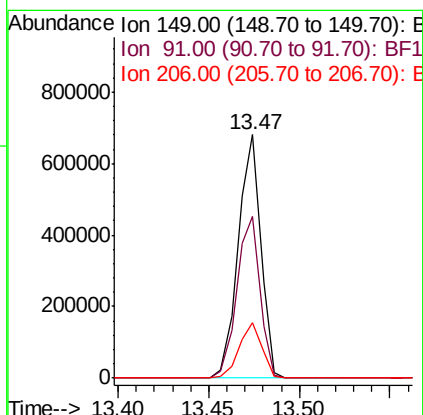
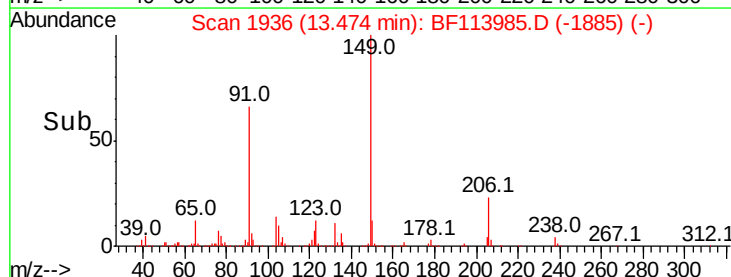
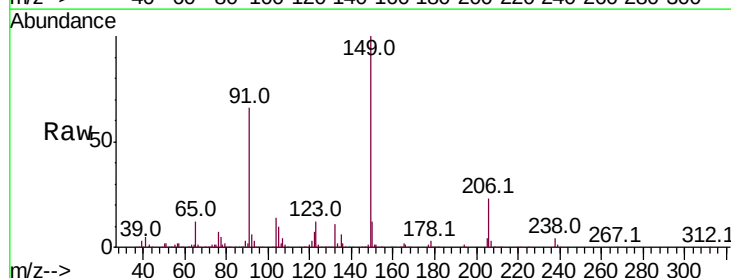
Tgt Ion:149 Resp: 590384

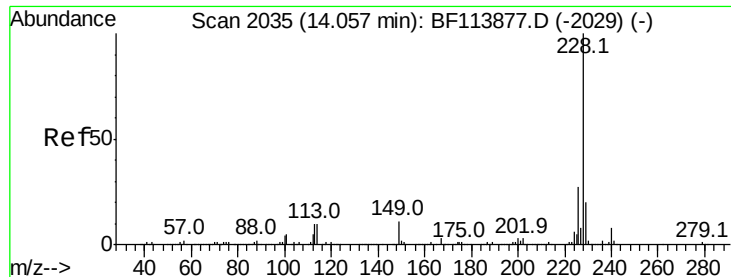
Ion Ratio Lower Upper

149 100

91 66.3 56.3 84.5

206 23.0 19.0 28.6





#81

Benzo(a)anthracene

Concen: 49.490 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

Instrument :

BNA_F

ClientSampleId :

HW-7MSD

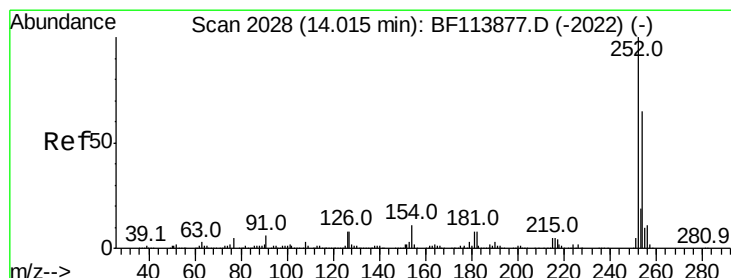
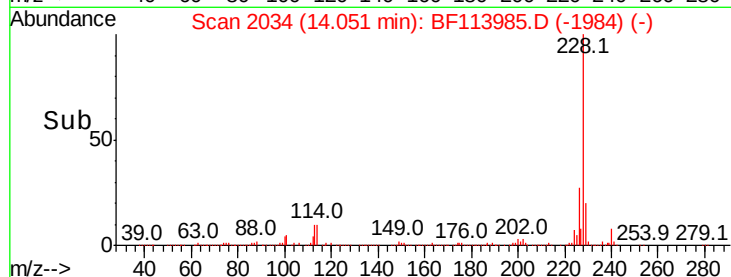
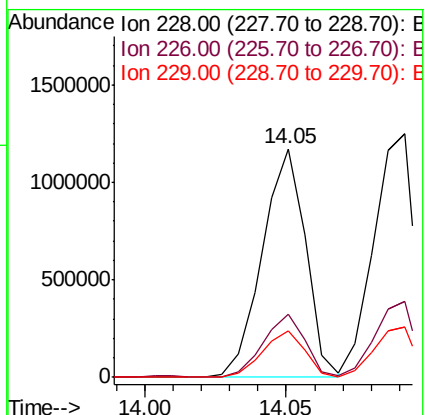
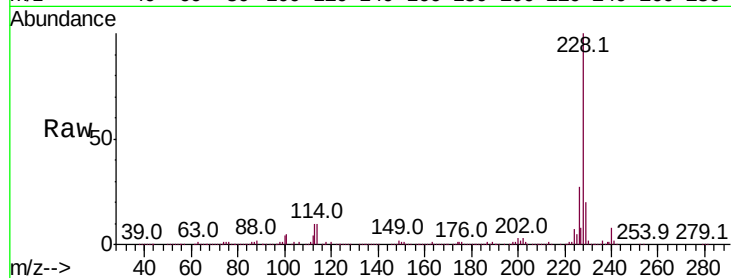
Tot Ion:228 Resp: 1244026

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.2	33.2
229	20.2	16.0	24.0

228 100

226 27.4 22.2 33.2

229 20.2 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 38.652 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

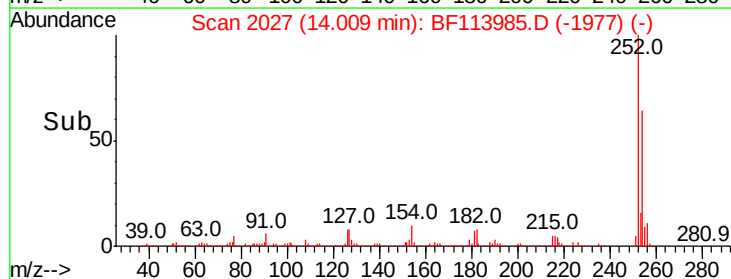
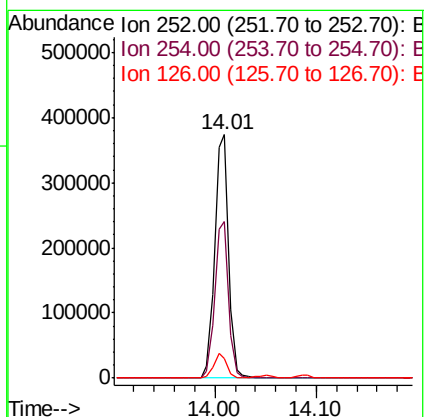
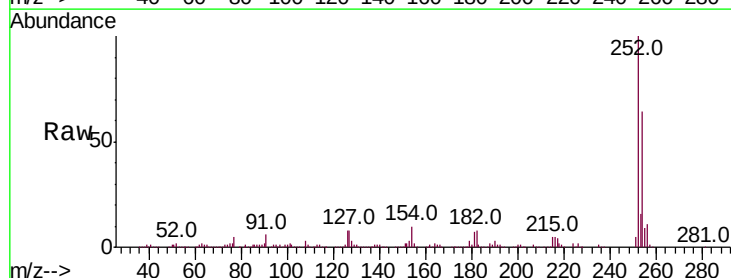
Tgt Ion:252 Resp: 356117

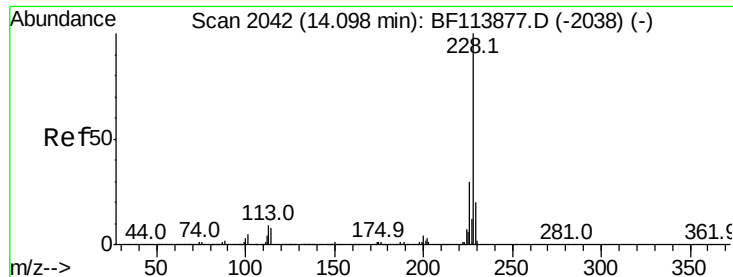
Ion	Ratio	Lower	Upper
252	100		
254	64.3	52.1	78.1
126	8.1	9.3	13.9

252 100

254 64.3 52.1 78.1

126 8.1 9.3 13.9





#83

Chrysene

Concen: 51.025 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

Instrument :

BNA_F

ClientSampleId :

HW-7MSD

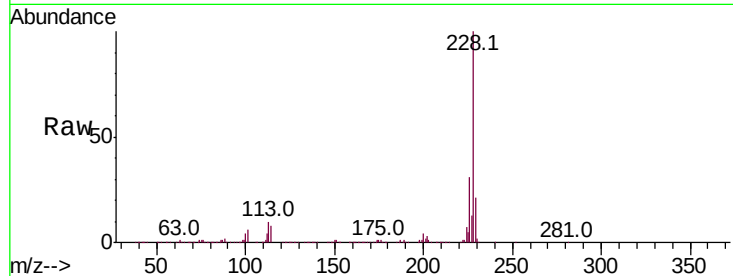
Tot Ion:228 Resp: 1249137

Ion Ratio Lower Upper

228 100

226 30.9 25.2 37.8

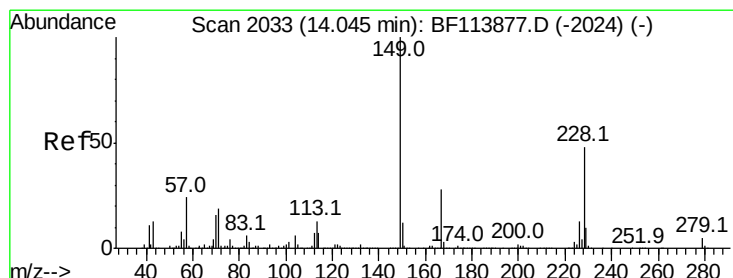
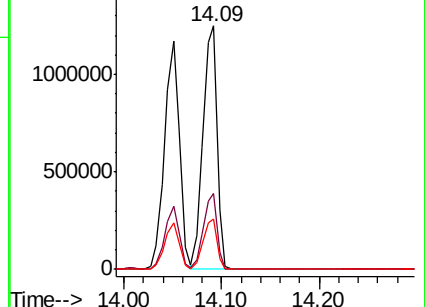
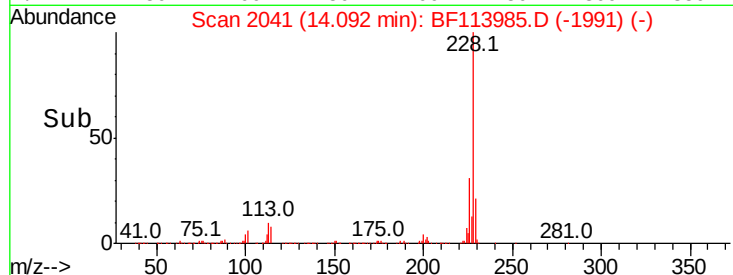
229 20.6 16.7 25.1



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.705 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

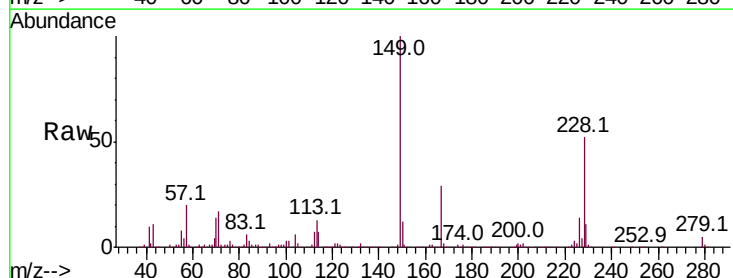
Tgt Ion:149 Resp: 817033

Ion Ratio Lower Upper

149 100

167 28.6 22.9 34.3

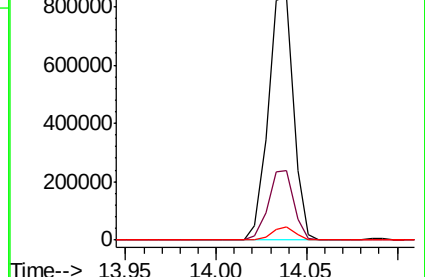
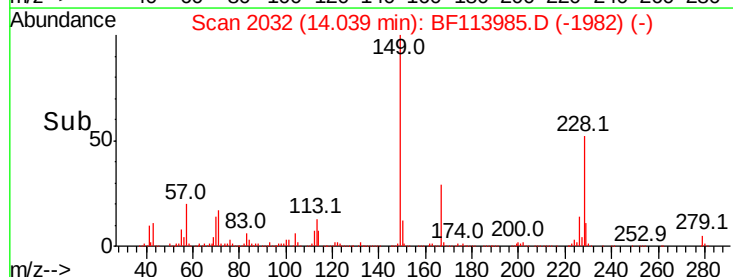
279 5.2 4.2 6.2

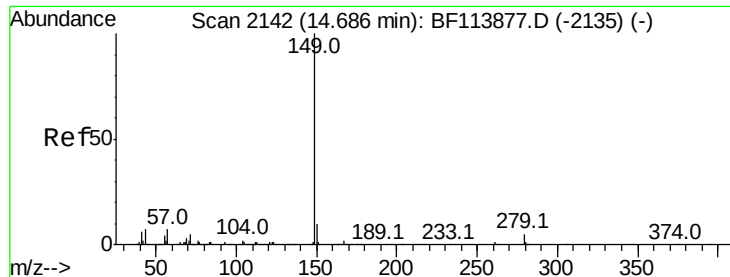


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

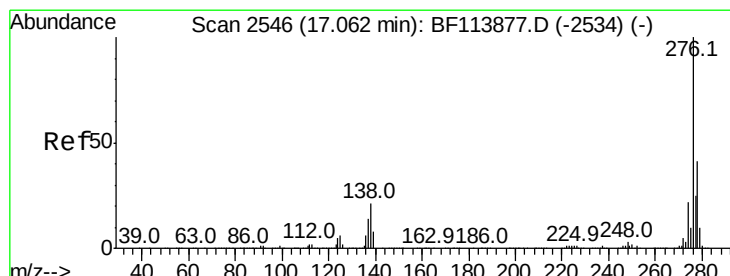
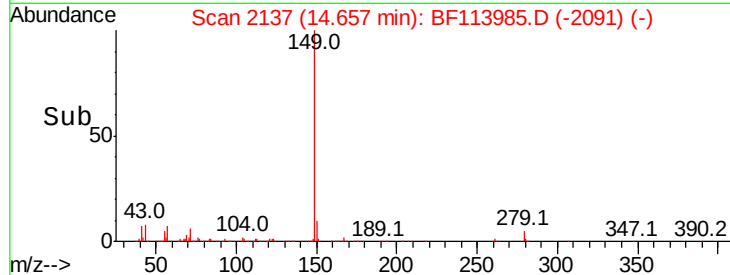
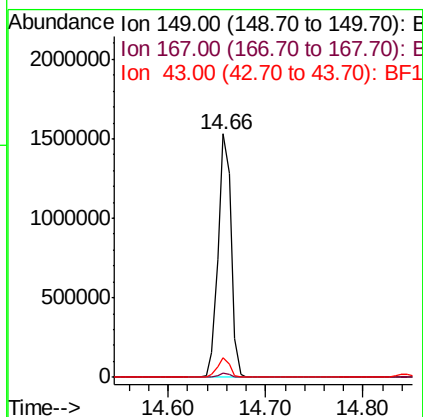
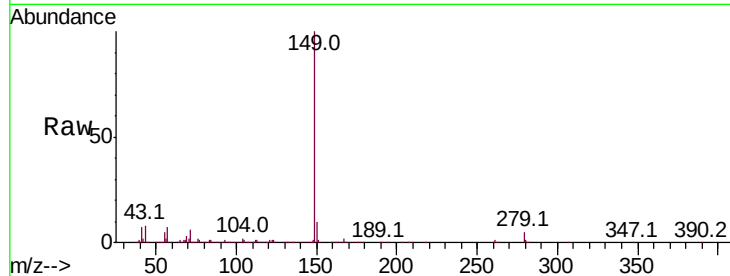




#85
Di-n-octyl phthalate
Concen: 60.593 ng
RT: 14.66 min Scan# 2137
Delta R.T. -0.03 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

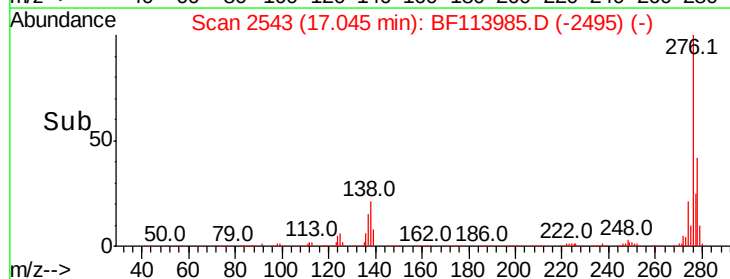
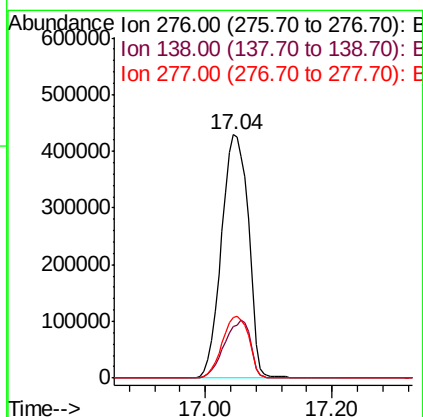
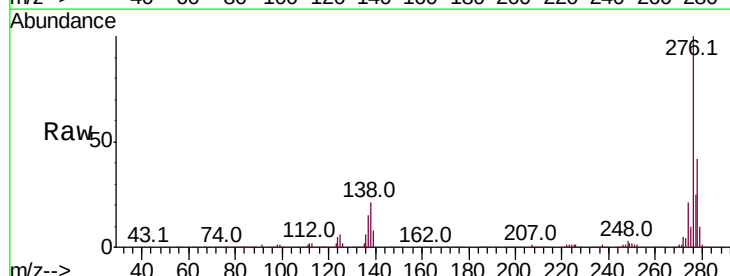
Instrument :
BNA_F
ClientSampleId :
HW-7MSD

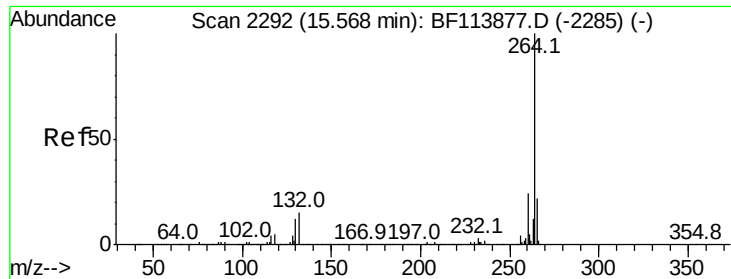
Tot Ion:149 Resp: 1416504
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 7.6 6.6 10.0



#86
Indeno(1,2,3-cd)pyrene
Concen: 54.272 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.02 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

Tgt Ion:276 Resp: 1258507
Ion Ratio Lower Upper
276 100
138 23.1 19.6 29.4
277 25.4 20.2 30.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. -0.02 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

Instrument :

BNA_F

ClientSampleId :

HW-7MSD

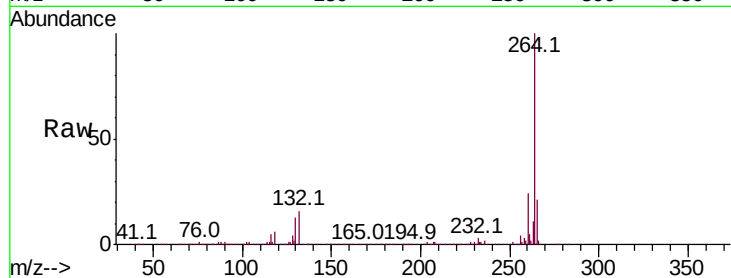
Tot Ion:264 Resp: 464819

Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

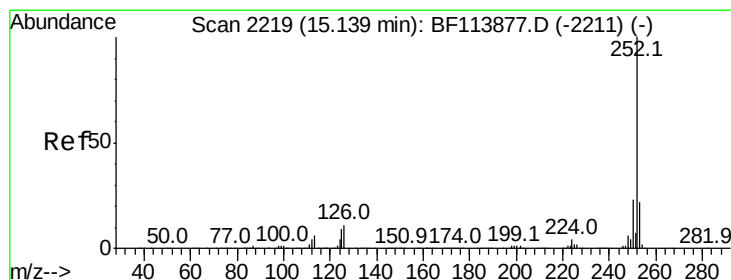
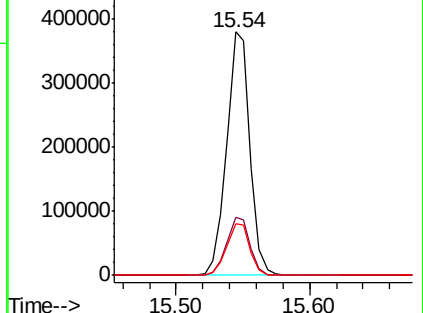
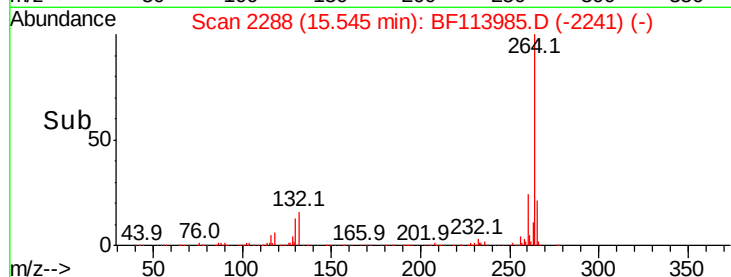
265 21.4 17.3 25.9



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



#88

Benzo(b)fluoranthene

Concen: 47.071 ng

RT: 15.12 min Scan# 2215

Delta R.T. -0.02 min

Lab File: BF113985.D

Acq: 25 Apr 2019 18:43

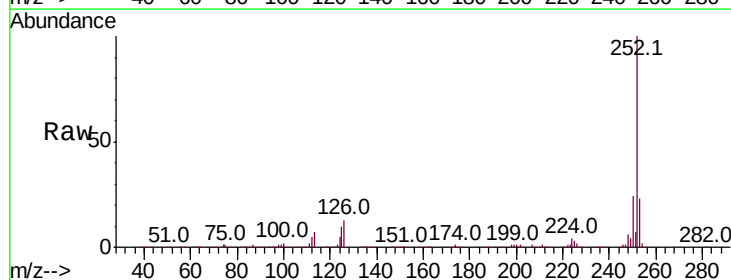
Tgt Ion:252 Resp: 1384287

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

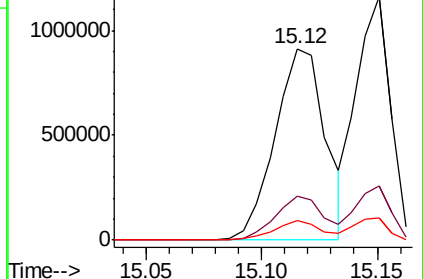
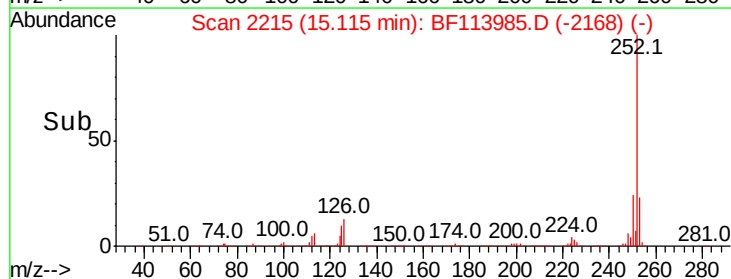
125 10.0 7.0 10.6

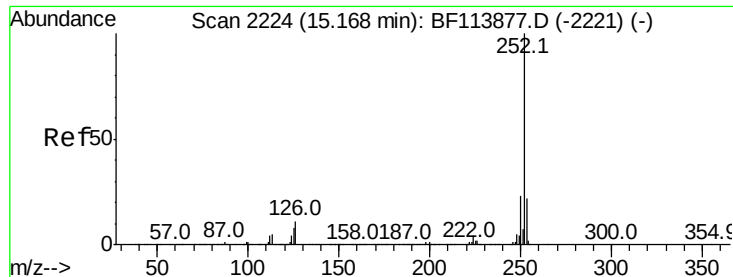


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

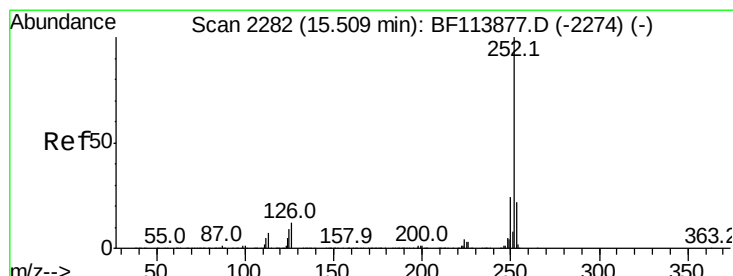
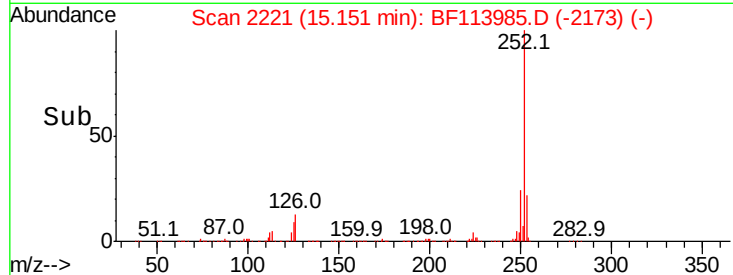
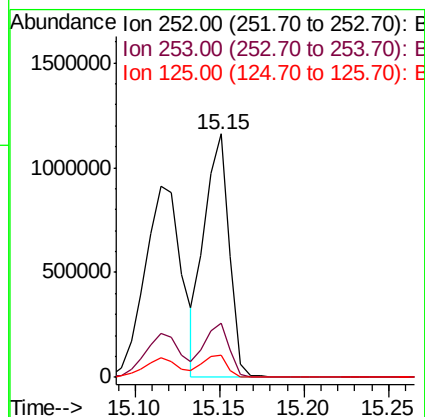
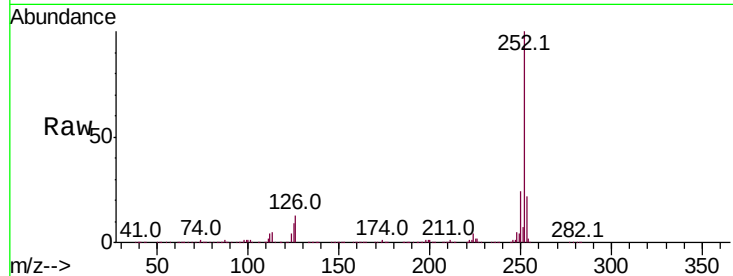




#89
Benzo(k)fluoranthene
Concen: 47.179 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

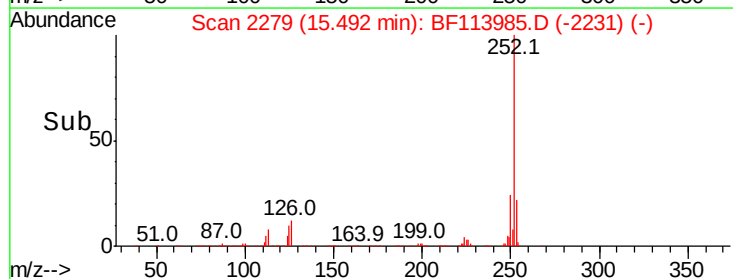
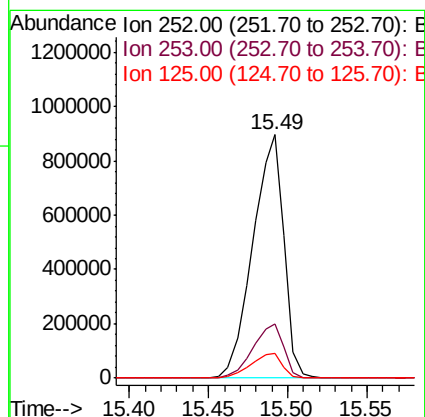
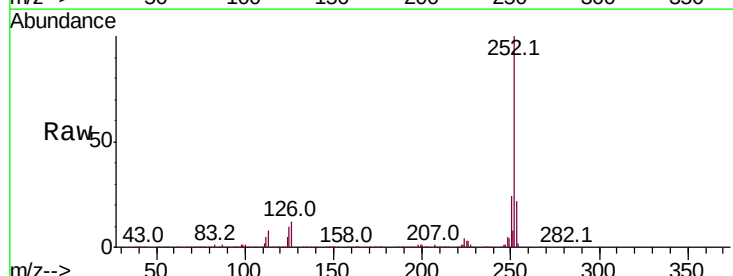
Instrument :
BNA_F
ClientSampleId :
HW-7MSD

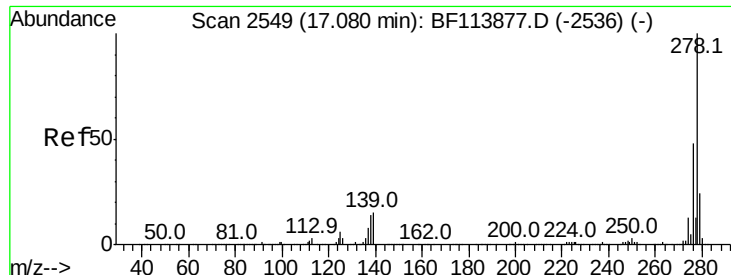
Tot Ion:252 Resp: 1193485
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.2
125 9.1 7.4 11.2



#90
Benzo(a)pyrene
Concen: 47.962 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.02 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

Tgt Ion:252 Resp: 1220026
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 10.2 8.5 12.7

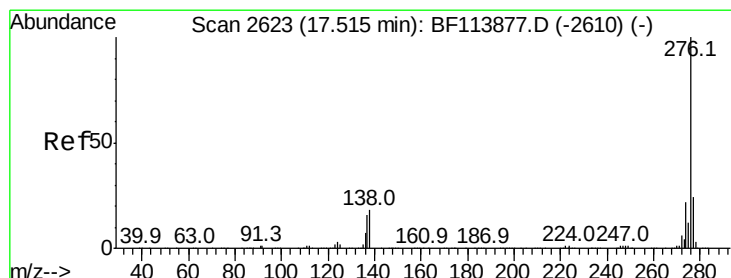
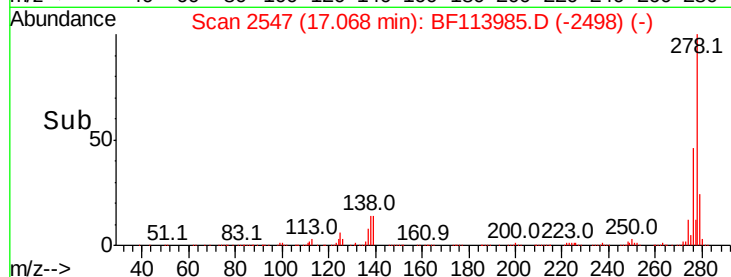
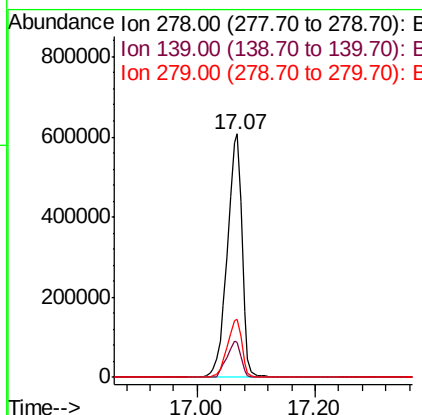
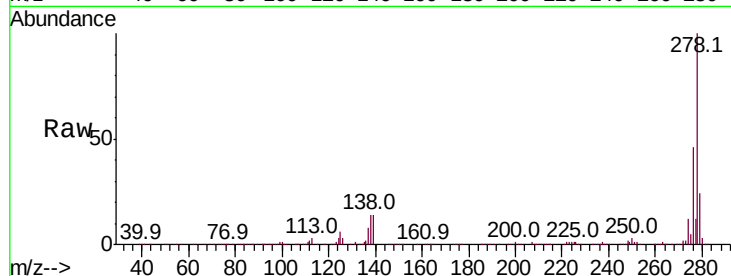




#91
Dibenzo(a,h)anthracene
Concen: 44.358 ng
RT: 17.07 min Scan# 2547
Delta R.T. -0.01 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

Instrument :
BNA_F
ClientSampleId :
HW-7MSD

Tot Ion:278 Resp: 1059202
Ion Ratio Lower Upper
278 100
139 14.2 11.6 17.4
279 23.9 19.0 28.6



#92
Benzo(g,h,i)perylene
Concen: 42.341 ng
RT: 17.50 min Scan# 2621
Delta R.T. -0.01 min
Lab File: BF113985.D
Acq: 25 Apr 2019 18:43

Tgt Ion:276 Resp: 1020301
Ion Ratio Lower Upper
276 100
277 23.3 19.0 28.4
138 19.2 16.6 25.0

