

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112718\
 Data File : BF111005.D
 Acq On : 27 Nov 2018 13:10
 Operator : JU/SJ
 Sample : J6028-08MSRE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 27 15:23:49 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 27 15:20:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	49427	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	176931	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	71301	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	134945	20.00	ng	0.00
76) Chrysene-d12	14.14	240	103874	20.00	ng	0.00
87) Perylene-d12	15.68	264	75868	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.57	112	429082	143.96	ng	0.02
7) Phenol-d6	6.57	99	512718	132.00	ng	0.00
23) Nitrobenzene-d5	7.51	82	314097	101.60	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	102796	145.17	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	514226	104.49	ng	0.00
79) Terphenyl-d14	13.06	244	516355	96.77	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.78	88	41757	29.242	ng	# 84
3) Pyridine	3.59	79	118282	37.828	ng	88
4) n-Nitrosodimethylamine	3.54	42	67272	47.017	ng	86
6) Aniline	6.61	93	120196	25.032	ng	# 57
8) 2-Chlorophenol	6.73	128	140832	39.870	ng	97
9) Benzaldehyde	6.50	77	52329	22.163	ng	95
10) Phenol	6.59	94	195490	44.691	ng	# 70
11) bis(2-Chloroethyl)ether	6.67	93	129986	39.444	ng	94
12) 1,3-Dichlorobenzene	6.88	146	148045	38.151	ng	98
13) 1,4-Dichlorobenzene	6.96	146	150038	37.599	ng	97
14) 1,2-Dichlorobenzene	7.11	146	141506	37.676	ng	99
15) Benzyl Alcohol	7.09	79	116904	39.164	ng	95
16) 2,2'-oxybis(1-Chloropropan	7.20	45	198110	37.774	ng	87
17) 2-Methylphenol	7.19	107	109202	38.882	ng	# 87
18) Hexachloroethane	7.45	117	48091	32.762	ng	98
19) n-Nitroso-di-n-propylamine	7.35	70	94834	37.482	ng	95
20) 3+4-Methylphenols	7.35	107	140668	37.678	ng	# 41
22) Acetophenone	7.35	105	192030	46.303	ng	# 92
24) Nitrobenzene	7.53	77	138823	43.180	ng	97
25) Isophorone	7.76	82	243154	47.948	ng	98
26) 2-Nitrophenol	7.85	139	63953	40.945	ng	95
27) 2,4-Dimethylphenol	7.87	122	117797	49.940	ng	98
28) bis(2-Chloroethoxy)methane	7.96	93	154839	45.576	ng	100
29) 2,4-Dichlorophenol	8.09	162	102510	41.531	ng	99
30) 1,2,4-Trichlorobenzene	8.16	180	113954	41.195	ng	97
31) Naphthalene	8.25	128	378446	45.631	ng	99
32) Benzoic acid	7.87	122	117797	67.170	ng	# 12
33) 4-Chloroaniline	8.30	127	69280	19.626	ng	98
34) Hexachlorobutadiene	8.35	225	64649	41.033	ng	98
35) Caprolactam	8.66	113	30088	35.705	ng	# 86
36) 4-Chloro-3-methylphenol	8.78	107	106578	38.861	ng	97
37) 2-Methylnaphthalene	8.93	142	240176	43.843	ng	99
38) 1-Methylnaphthalene	9.03	142	223502	41.945	ng	97
40) 1,2,4,5-Tetrachlorobenzene	9.10	216	100008	44.588	ng	98

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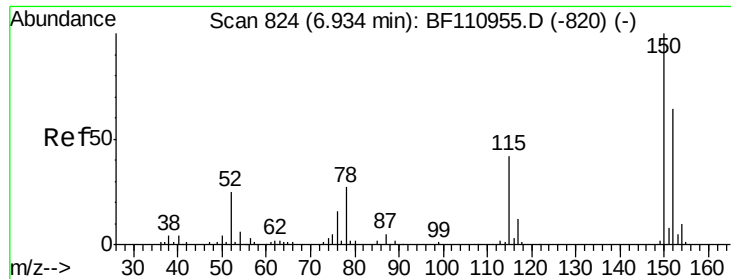
Instrument :
 BNA_F
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Quant Time: Nov 27 15:23:49 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 27 15:20:28 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Hexachlorocyclopentadiene	8.99	237	236	11.299	ng	# 27
43) 2,4,6-Trichlorophenol	9.22	196	63605	47.481	ng	96
44) 2,4,5-Trichlorophenol	9.27	196	63988	45.365	ng	95
46) 1,1'-Biphenyl	9.40	154	276956	42.132	ng	99
47) 2-Chloronaphthalene	9.43	162	204821	42.974	ng	97
48) 2-Nitroaniline	9.53	65	68677	46.067	ng	98
49) Acenaphthylene	9.85	152	315400	46.537	ng	99
50) Dimethylphthalate	9.69	163	306705	58.652	ng	99
51) 2,6-Dinitrotoluene	9.77	165	48378	41.557	ng	91
52) Acenaphthene	10.02	154	190519	43.850	ng	98
53) 3-Nitroaniline	9.95	138	48701	35.894	ng	91
54) 2,4-Dinitrophenol	10.09	184	1366	6.884	ng	# 79
55) Dibenzofuran	10.19	168	274021	43.231	ng	97
56) 4-Nitrophenol	10.12	139	64765	85.555	ng	97
57) 2,4-Dinitrotoluene	10.19	165	61206	40.524	ng	94
58) Fluorene	10.53	166	221895	44.995	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.32	232	53617	46.318	ng	93
60) Diethylphthalate	10.39	149	236510	43.859	ng	99
61) 4-Chlorophenyl-phenylether	10.52	204	102330	39.671	ng	93
62) 4-Nitroaniline	10.57	138	54566	43.193	ng	97
63) Azobenzene	10.68	77	209870	39.929	ng	98
65) 4,6-Dinitro-2-methylphenol	10.61	198	3417	5.353	ng	# 64
66) n-Nitrosodiphenylamine	10.64	169	191124	42.545	ng	97
67) 4-Bromophenyl-phenylether	11.01	248	59258	40.321	ng	# 88
68) Hexachlorobenzene	11.09	284	62373	39.845	ng	# 91
69) Atrazine	11.16	200	61010	52.773	ng	95
70) Pentachlorophenol	11.29	266	52899	84.938	ng	99
71) Phenanthrene	11.50	178	379962	53.163	ng	100
72) Anthracene	11.56	178	360867	49.580	ng	98
73) Carbazole	11.72	167	305161	43.195	ng	100
74) Di-n-butylphthalate	12.02	149	372647	45.115	ng	98
75) Fluoranthene	12.70	202	482676	65.709	ng	99
77) Benzidine	12.82	184	118722	44.685	ng	97
78) Pyrene	12.94	202	481120	63.416	ng	98
80) Butylbenzylphthalate	13.53	149	176860	51.634	ng	95
81) Benzo(a)anthracene	14.13	228	337979	55.112	ng	99
82) 3,3'-Dichlorobenzidine	14.08	252	81343	38.683	ng	97
83) Chrysene	14.17	228	311554	51.607	ng	98
84) Bis(2-ethylhexyl)phthalate	14.07	149	232877	51.024	ng	97
85) Di-n-octyl phthalate	14.69	149	362926	50.375	ng	99
86) Indeno(1,2,3-cd)pyrene	17.28	276	212259	48.983	ng	99
88) Benzo(b)fluoranthene	15.22	252	242150	54.331	ng	99
89) Benzo(k)fluoranthene	15.25	252	218765	47.687	ng	97
90) Benzo(a)pyrene	15.62	252	216917	52.286	ng	99
91) Dibenzo(a,h)anthracene	17.28	278	165624	48.386	ng	98
92) Benzo(g,h,i)perylene	17.77	276	179030	54.245	ng	98

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

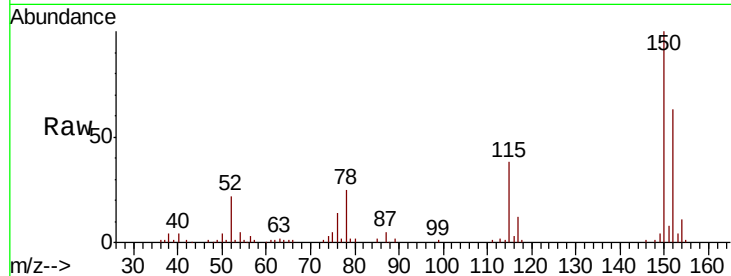


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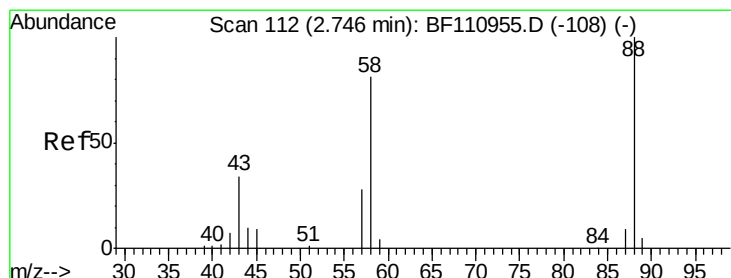
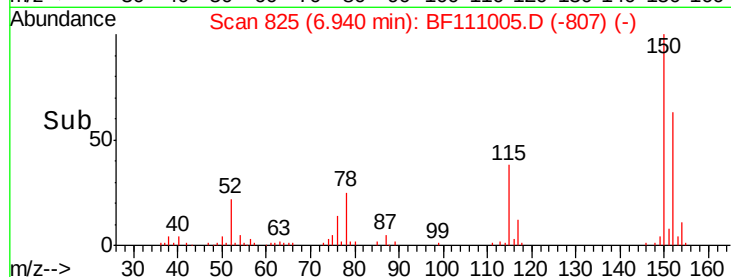
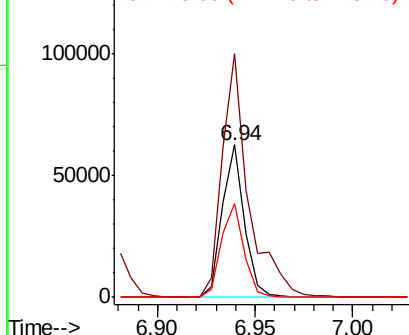
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. 0.01 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 49427
Ion Ratio Lower Upper
152 100
150 160.0 122.7 184.1
115 61.6 49.1 73.7



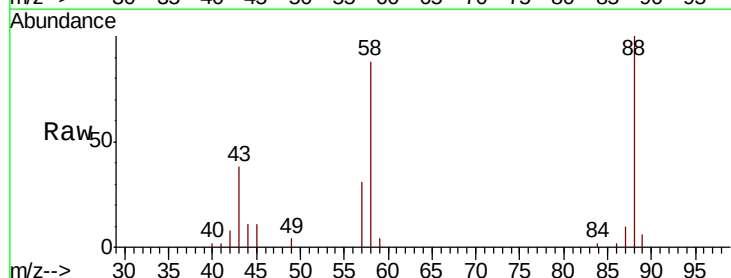
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



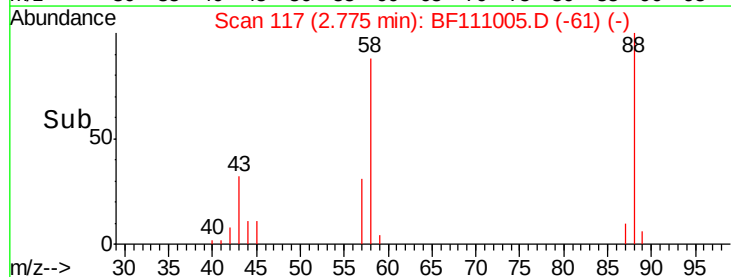
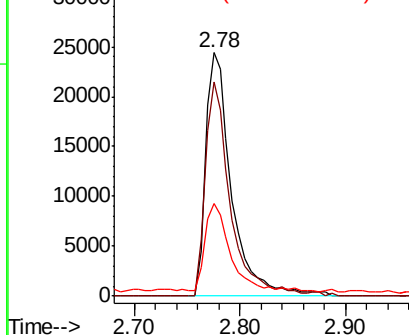
#2

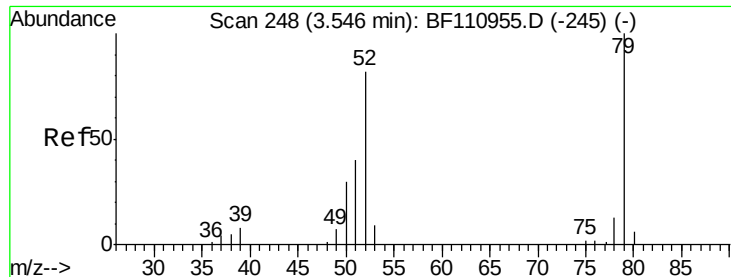
1,4-Dioxane
Concen: 29.242 ng
RT: 2.78 min Scan# 117
Delta R.T. 0.03 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Tgt Ion: 88 Resp: 41757
Ion Ratio Lower Upper
88 100
58 86.0 57.1 85.7#
43 36.1 24.1 36.1



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: 37.828 ng

RT: 3.59 min Scan# 256

Delta R.T. 0.05 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

Instrument :

BNA_F

ClientSampleId :

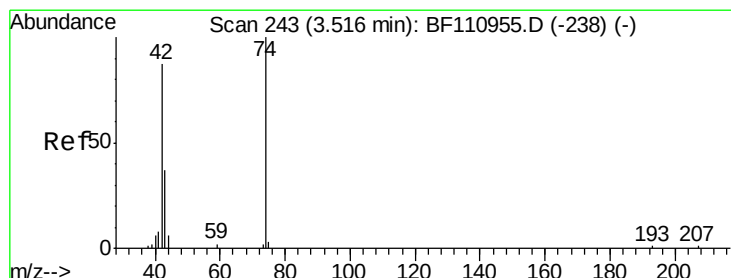
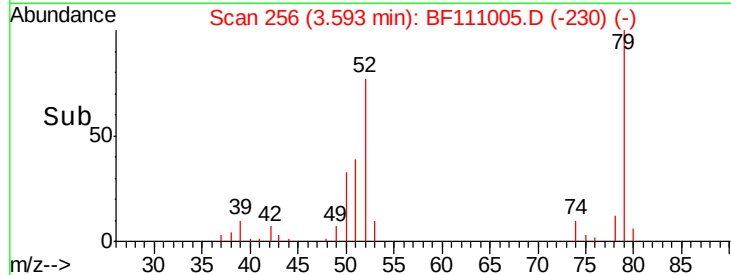
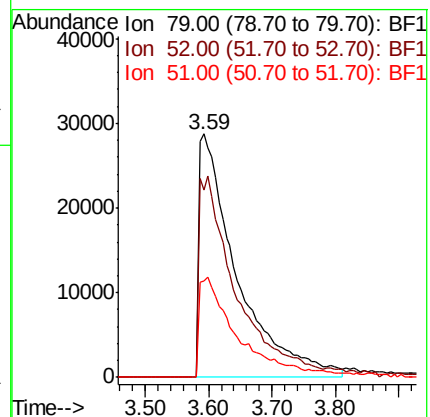
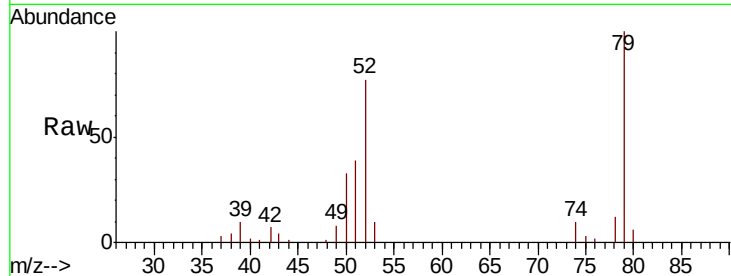
Tot Ion: 79 Resp: 118282

Ion Ratio Lower Upper

79 100

52 76.9 53.1 79.7

51 39.4 27.4 41.2



#4

n-Nitrosodimethylamine

Concen: 47.017 ng

RT: 3.54 min Scan# 247

Delta R.T. 0.03 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

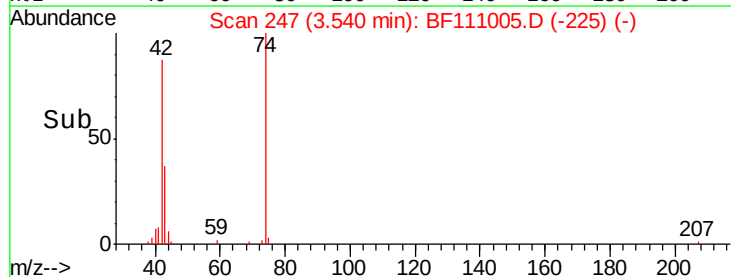
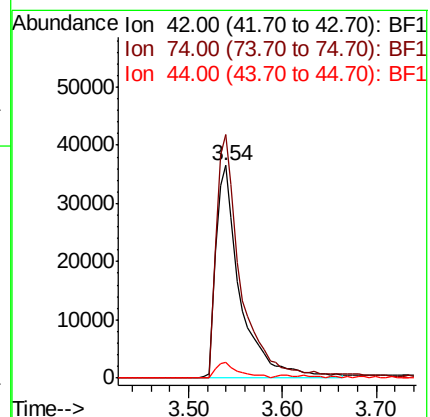
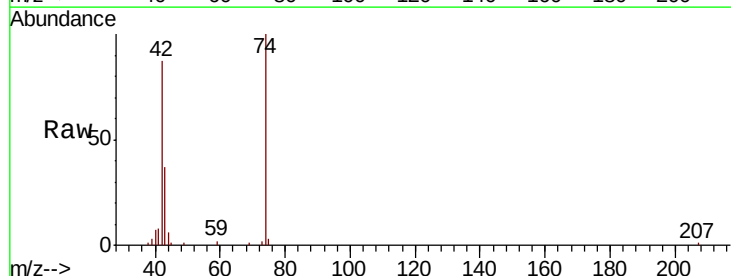
Tgt Ion: 42 Resp: 67272

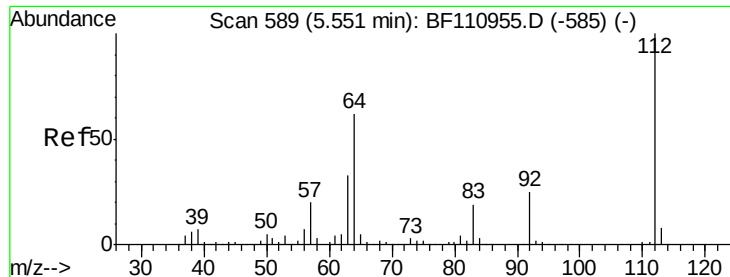
Ion Ratio Lower Upper

42 100

74 114.4 105.5 158.3

44 7.2 4.9 7.3





#5

2-Fluorophenol

Concen: 143.960 ng

RT: 5.57 min Scan# 592

Delta R.T. 0.02 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

Instrument :

BNA_F

ClientSampled :

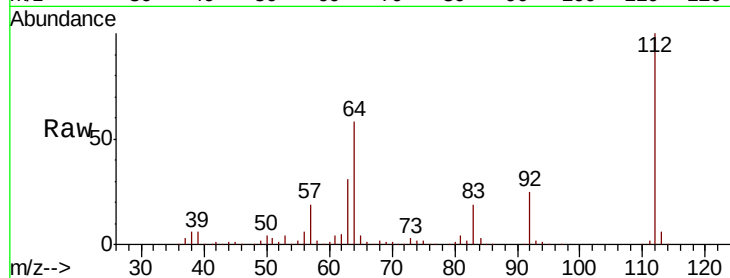
Tot Ion:112 Resp: 429082

Ion Ratio Lower Upper

112 100

64 58.4 44.1 66.1

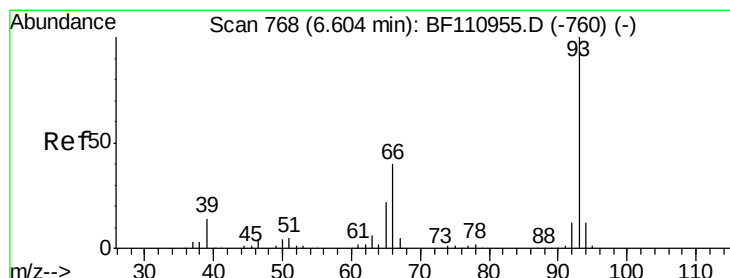
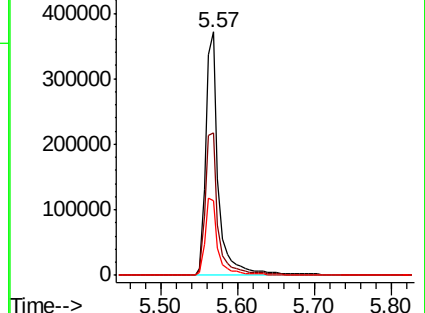
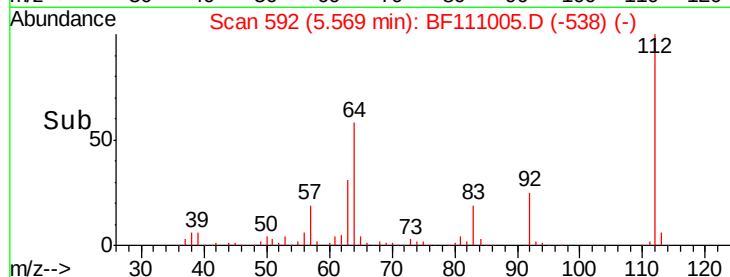
63 30.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 25.032 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.01 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

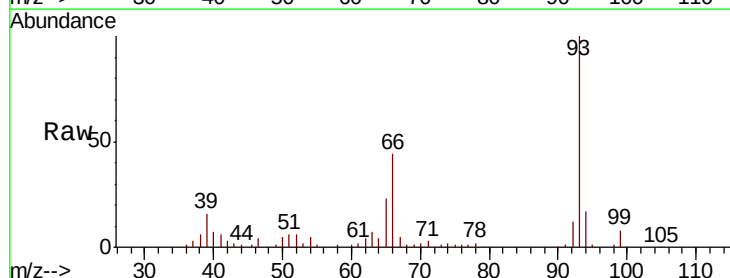
Tgt Ion: 93 Resp: 120196

Ion Ratio Lower Upper

93 100

66 43.8 67.4 101.0#

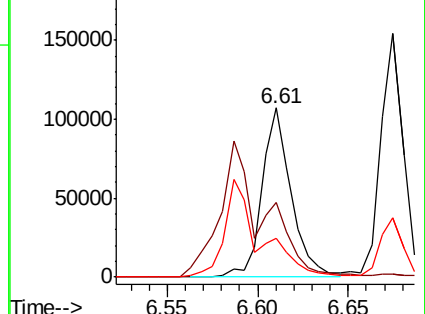
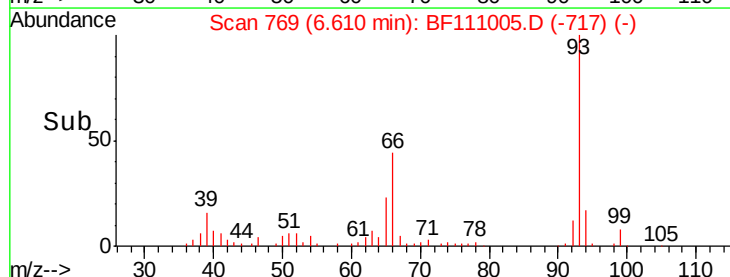
65 23.1 41.0 61.4#

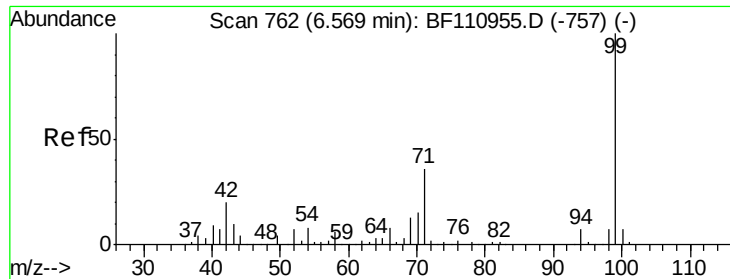


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 132.002 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.01 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

Instrument :

BNA_F

ClientSampled :

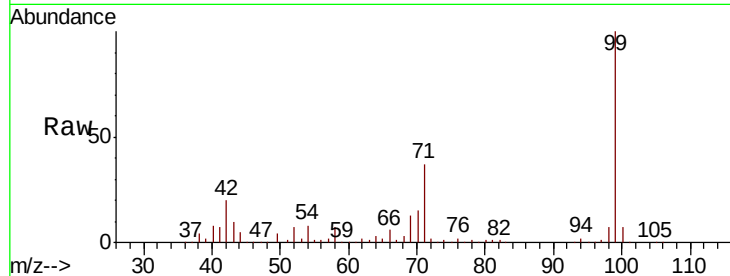
Tot Ion: 99 Resp: 512718

Ion Ratio Lower Upper

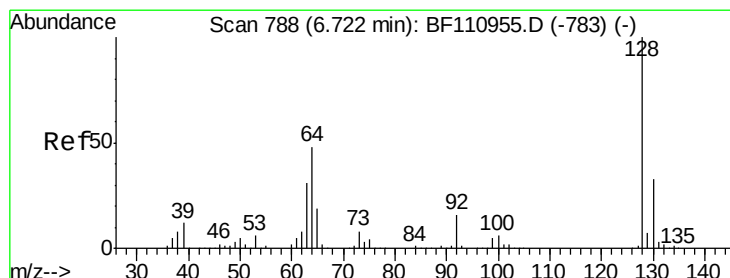
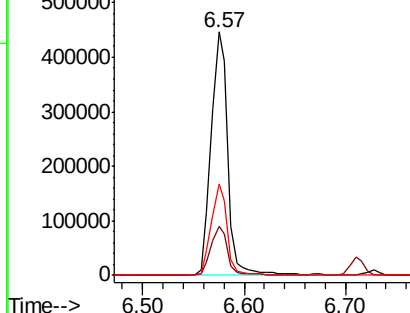
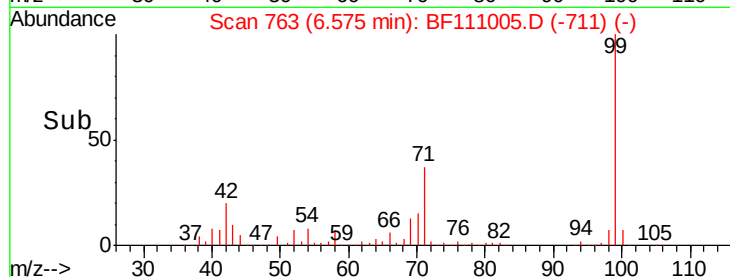
99 100

42 20.3 15.8 23.6

71 37.3 28.0 42.0



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



#8

2-Chlorophenol

Concen: 39.870 ng

RT: 6.73 min Scan# 789

Delta R.T. 0.01 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

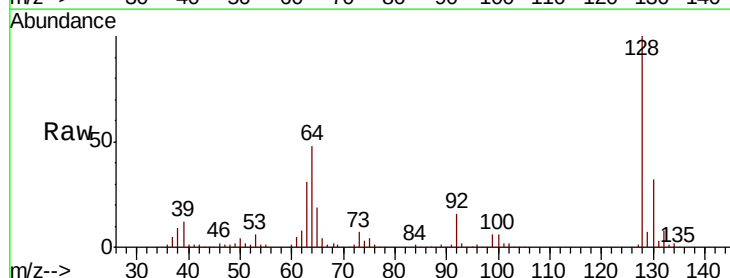
Tgt Ion: 128 Resp: 140832

Ion Ratio Lower Upper

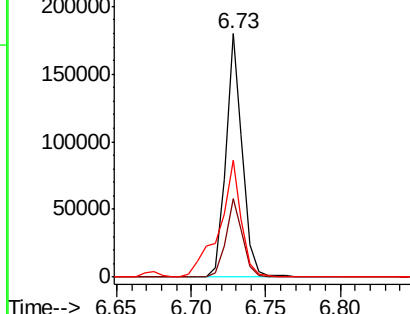
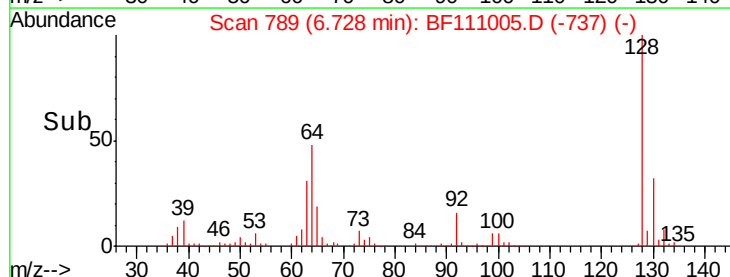
128 100

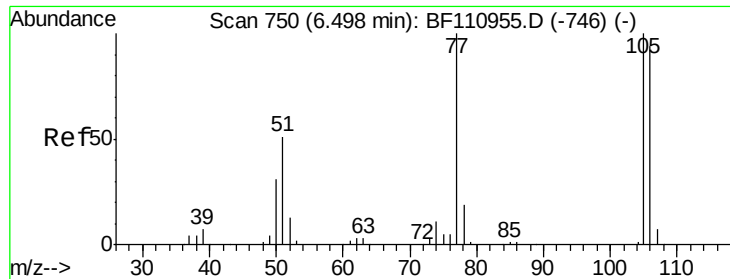
130 32.2 13.1 53.1

64 48.1 26.0 66.0



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: 22.163 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

Instrument :

BNA_F

ClientSampleId :

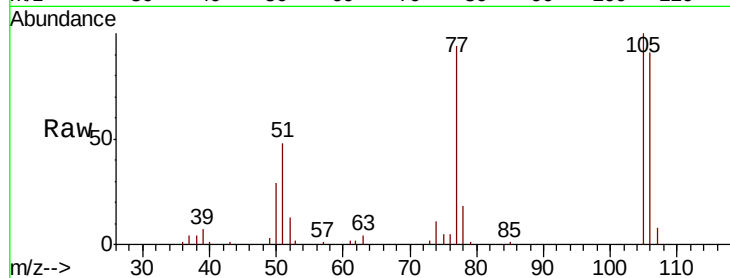
Tot Ion: 77 Resp: 52329

Ion Ratio Lower Upper

77 100

105 106.0 78.6 118.6

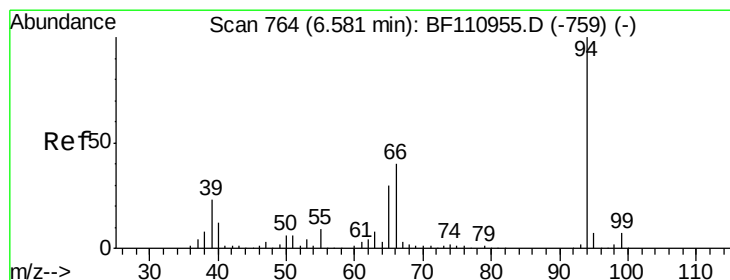
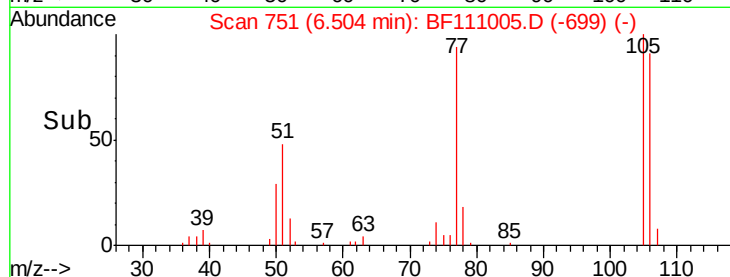
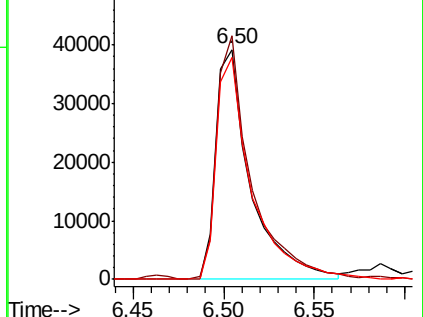
106 96.8 74.8 114.8



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 44.691 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.01 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

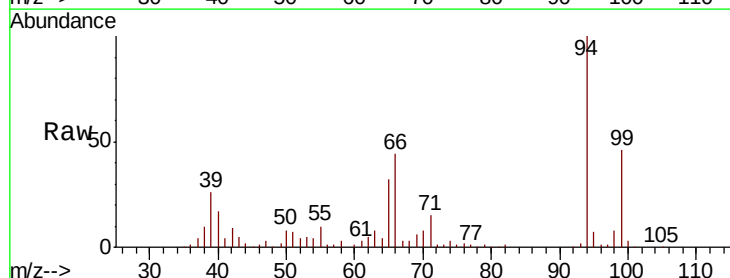
Tgt Ion: 94 Resp: 195490

Ion Ratio Lower Upper

94 100

65 31.7 25.3 65.3

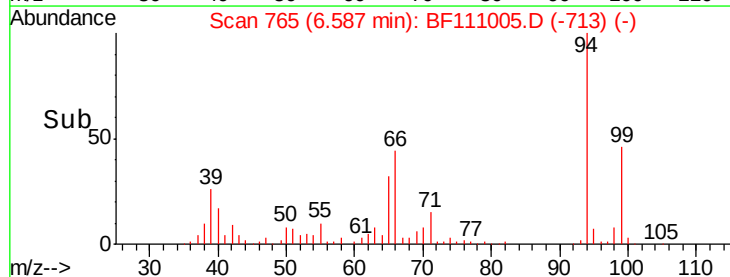
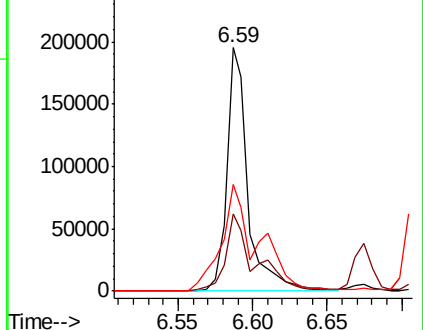
66 43.9 54.5 94.5#

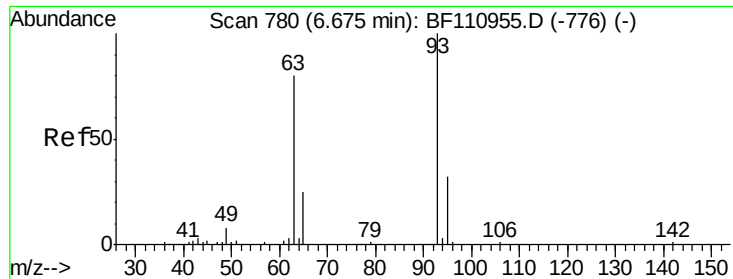


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

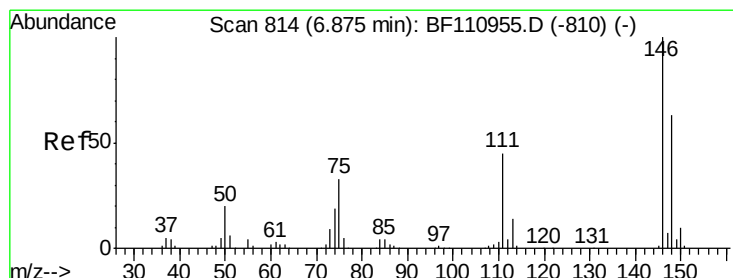
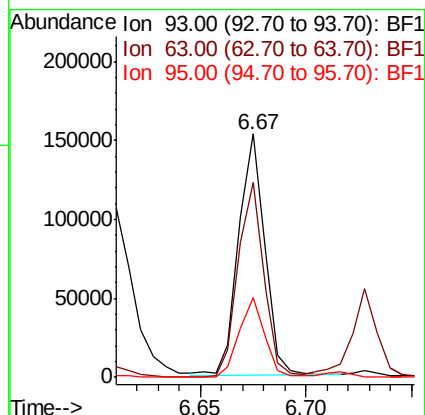
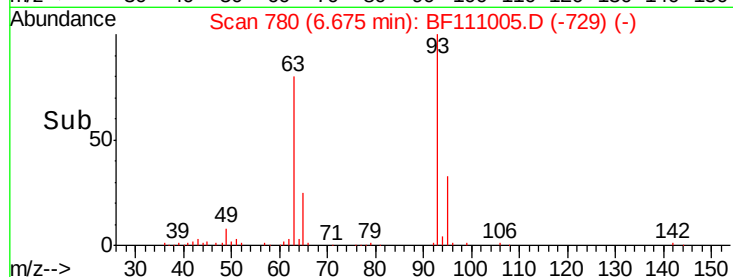
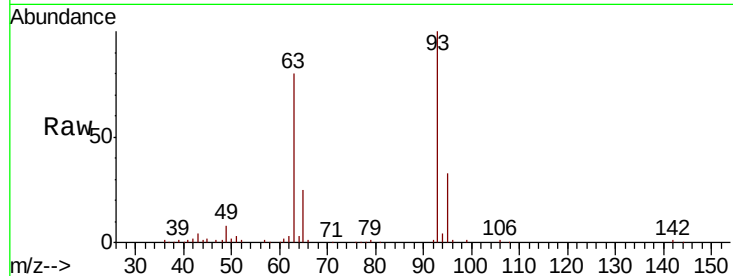




#11
bis(2-Chloroethyl)ether
Concen: 39.444 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.00 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

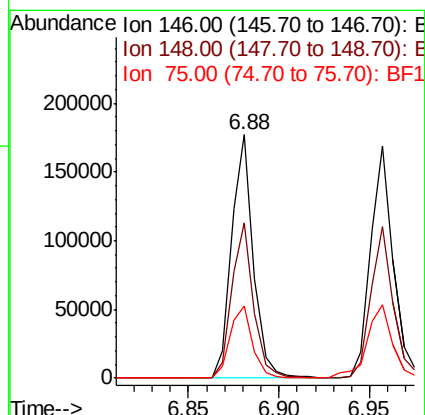
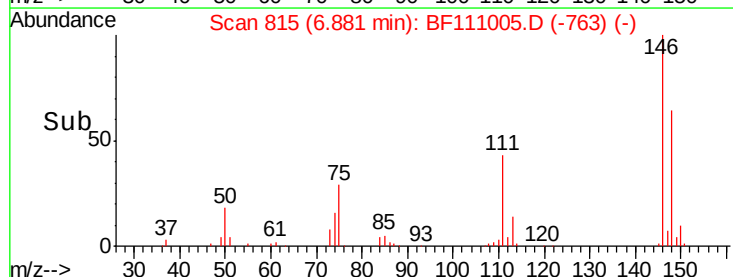
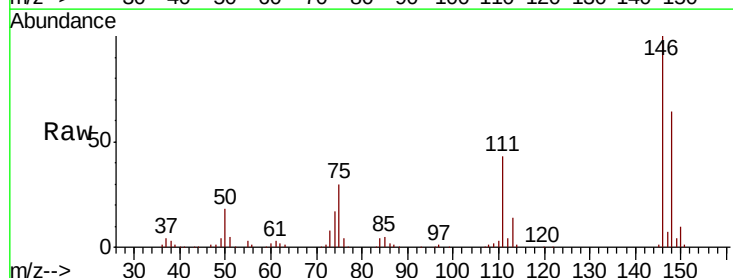
Instrument :
BNA_F
ClientSampleId :

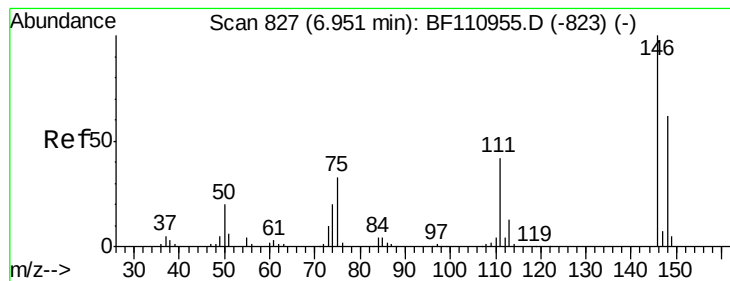
Tot Ion: 93 Resp: 129986
Ion Ratio Lower Upper
93 100
63 80.1 53.4 93.4
95 32.5 12.1 52.1



#12
1,3-Dichlorobenzene
Concen: 38.151 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.01 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Tgt Ion: 146 Resp: 148045
Ion Ratio Lower Upper
146 100
148 63.9 50.4 75.6
75 29.6 25.8 38.6





#13

1,4-Dichlorobenzene

Concen: 37.599 ng

RT: 6.96 min Scan# 828

Delta R.T. 0.01 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

Instrument :

BNA_F

ClientSampled :

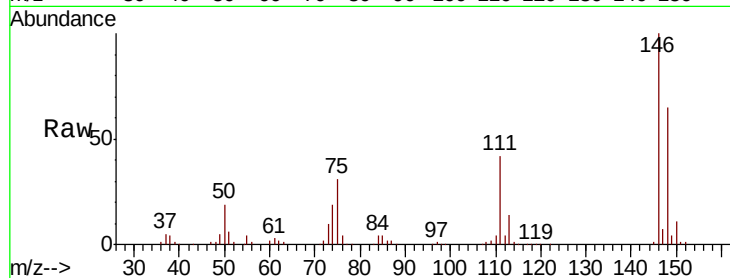
Tot Ion:146 Resp: 150038

Ion Ratio Lower Upper

146 100

148 65.1 50.3 75.5

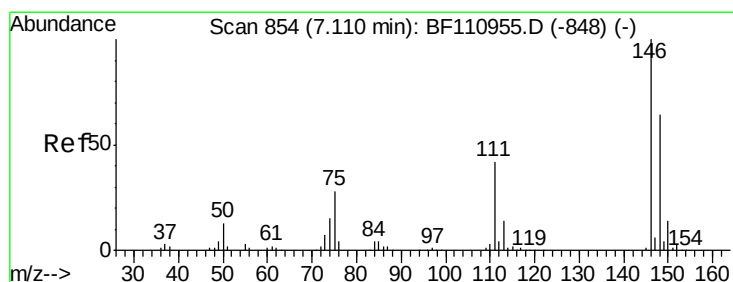
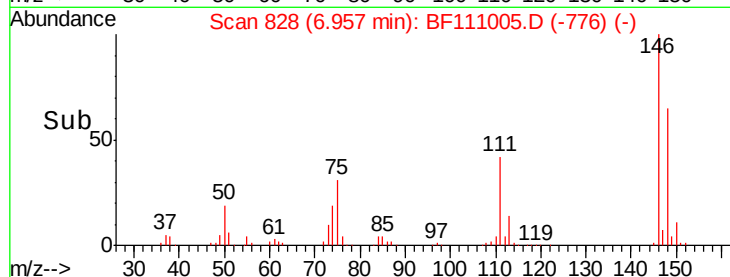
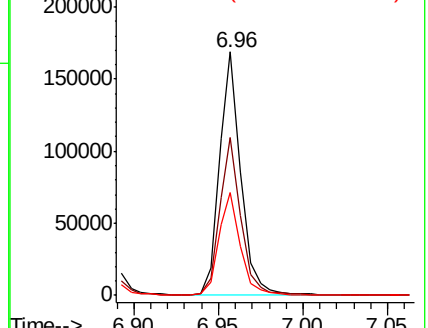
111 42.3 32.7 49.1



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 37.676 ng

RT: 7.11 min Scan# 854

Delta R.T. 0.01 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

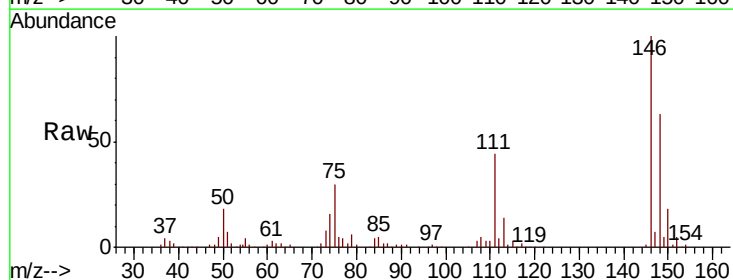
Tgt Ion:146 Resp: 141506

Ion Ratio Lower Upper

146 100

148 62.7 51.1 76.7

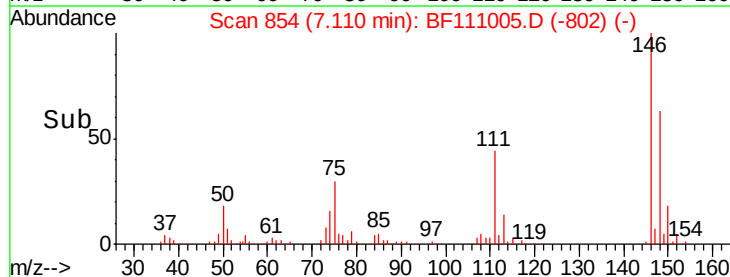
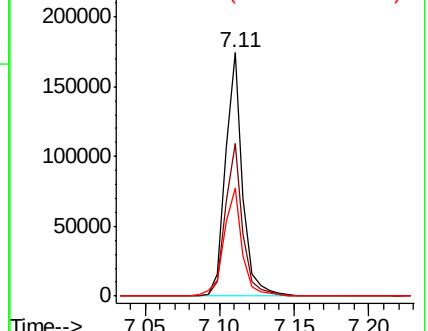
111 44.1 35.8 53.6

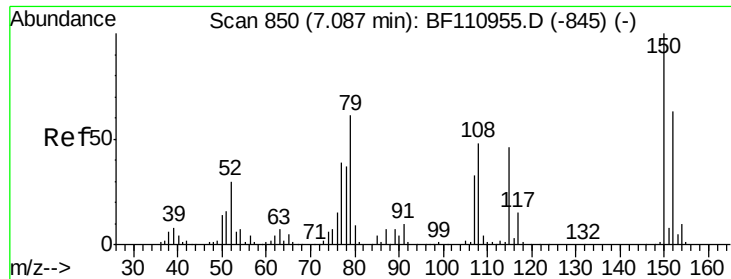


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

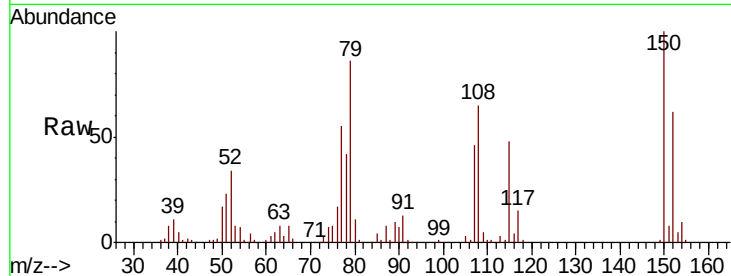




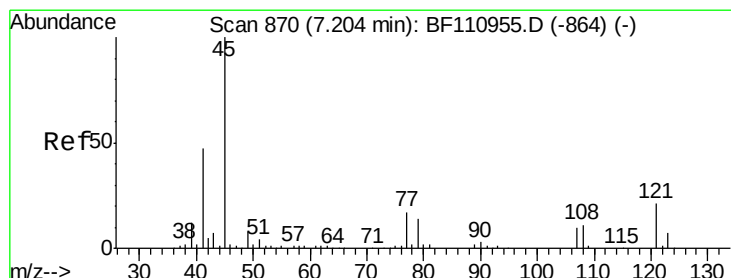
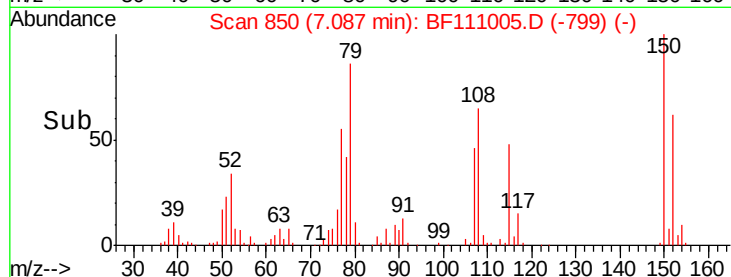
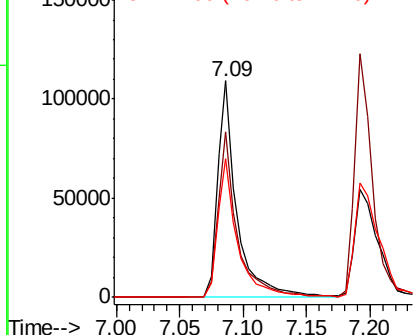
#15
Benzyl Alcohol
Concen: 39.164 ng
RT: 7.09 min Scan# 850
Delta R.T. -0.00 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 79 Resp: 116904
Ion Ratio Lower Upper
79 100
108 76.1 56.3 84.5
77 64.3 52.9 79.3

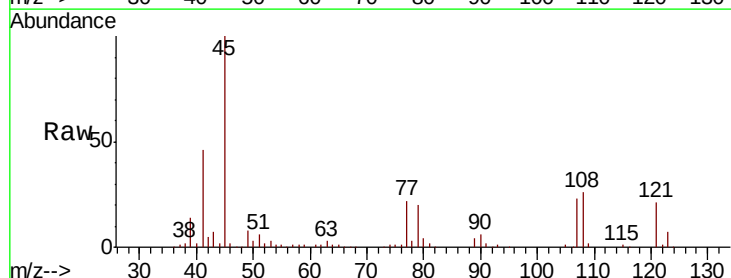


Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

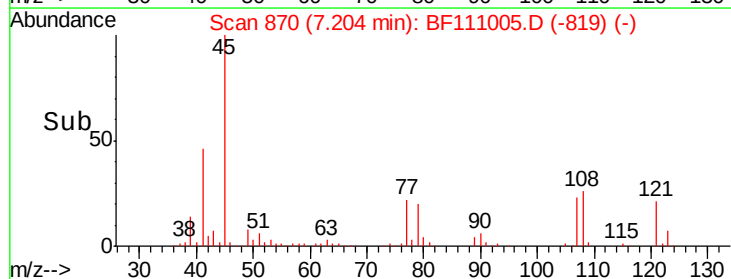
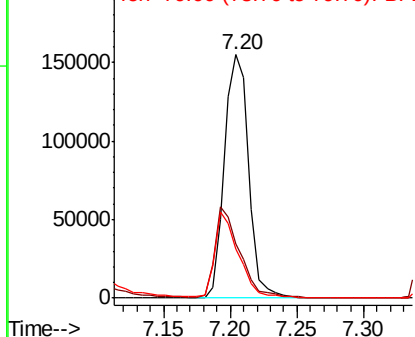


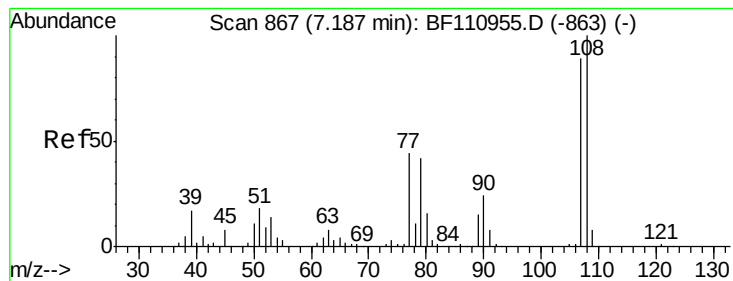
#16
2,2'-oxybis(1-chloropropane)
Concen: 37.774 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.00 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Tgt Ion: 45 Resp: 198110
Ion Ratio Lower Upper
45 100
77 22.0 10.0 50.0
79 20.0 6.1 46.1



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

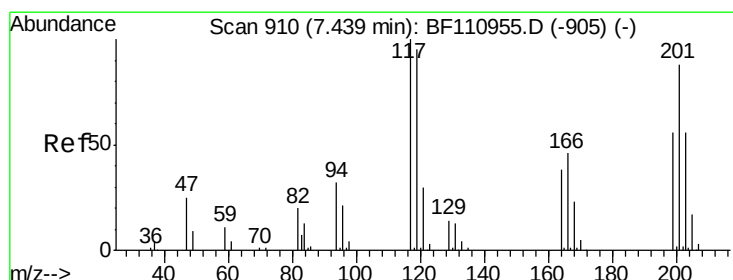
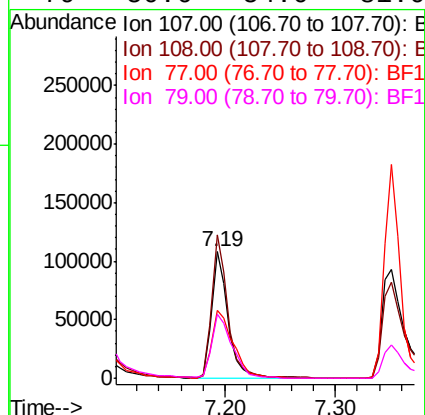
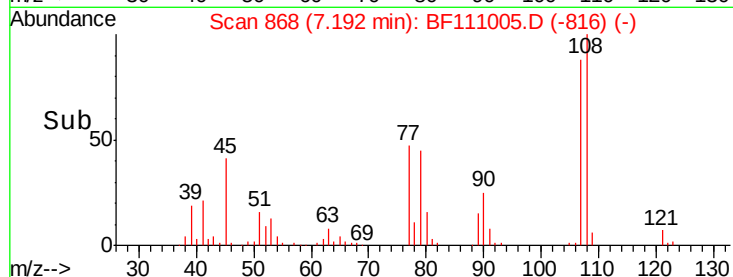
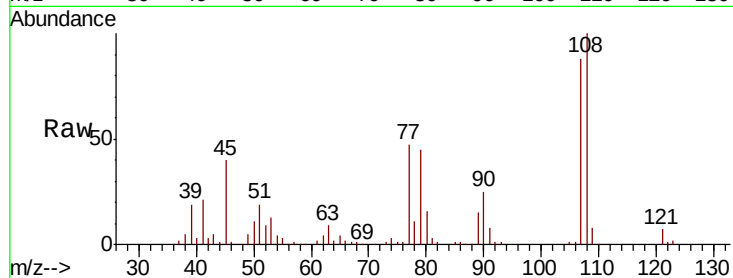




#17
2-Methylphenol
Concen: 38.882 ng
RT: 7.19 min Scan# 868
Delta R.T. 0.01 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

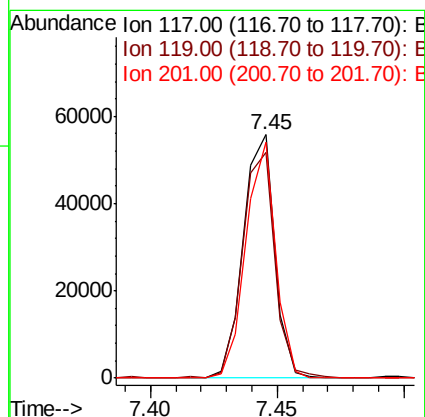
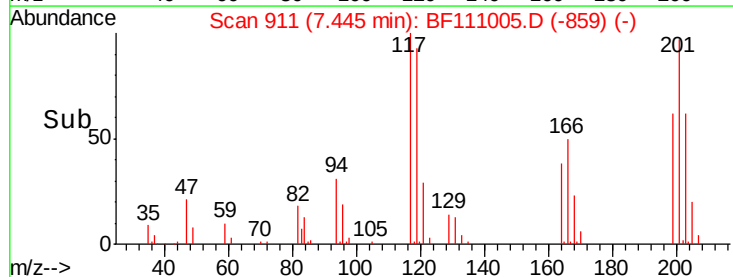
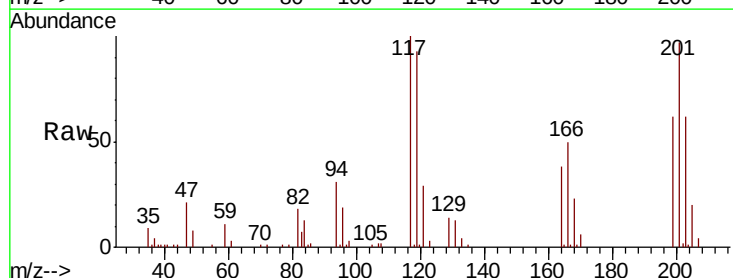
Instrument :
BNA_F
ClientSampleId :

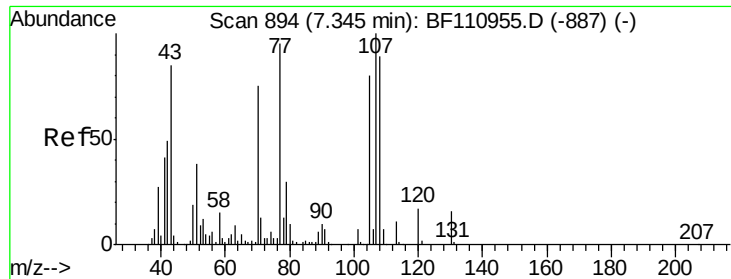
Tot Ion:107 Resp: 109202
Ion Ratio Lower Upper
107 100
108 113.7 92.6 138.8
77 53.6 59.4 89.2#
79 50.6 54.0 81.0#



#18
Hexachloroethane
Concen: 32.762 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.01 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Tgt Ion:117 Resp: 48091
Ion Ratio Lower Upper
117 100
119 92.6 75.0 112.6
201 97.1 79.2 118.8

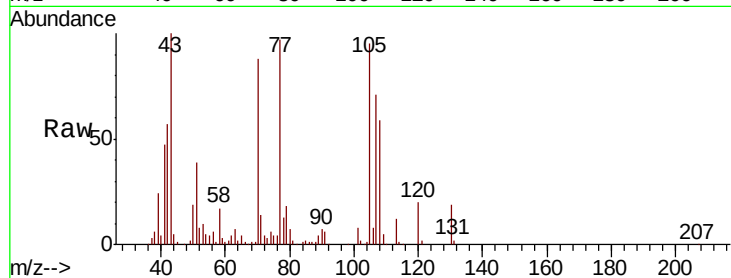




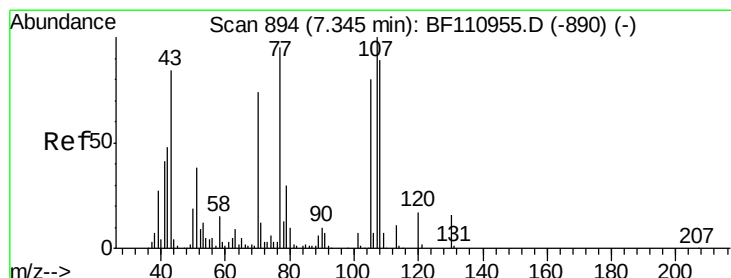
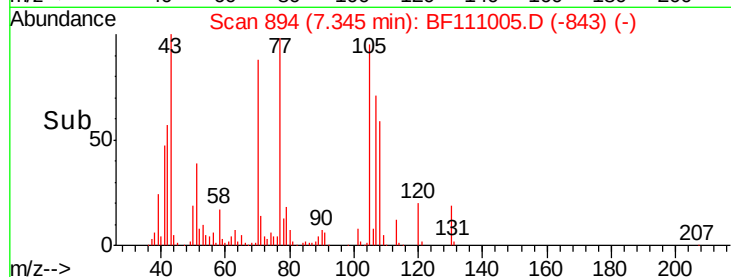
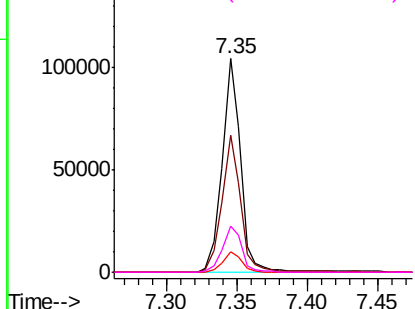
#19
n-Nitroso-di-n-propylamine
Concen: 37.482 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.00 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 94834
Ion Ratio Lower Upper
70 100
42 64.2 47.4 71.2
101 9.6 7.3 10.9
130 21.5 16.2 24.2



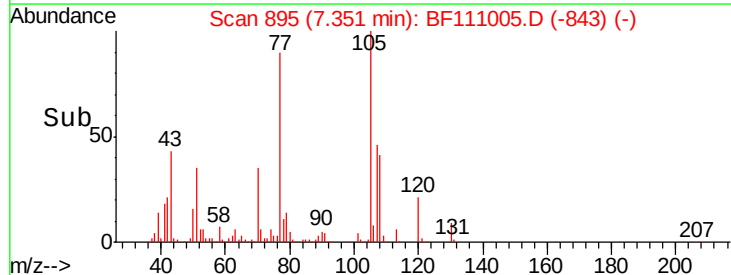
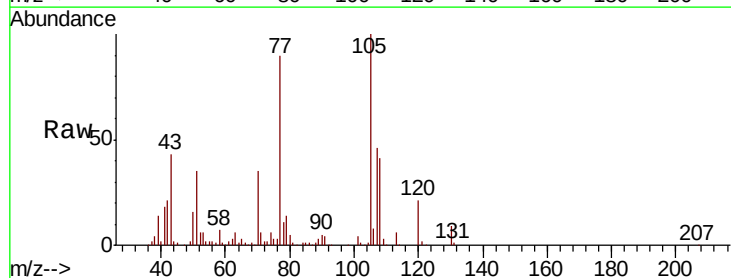
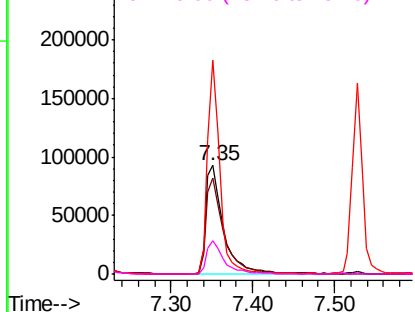
Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

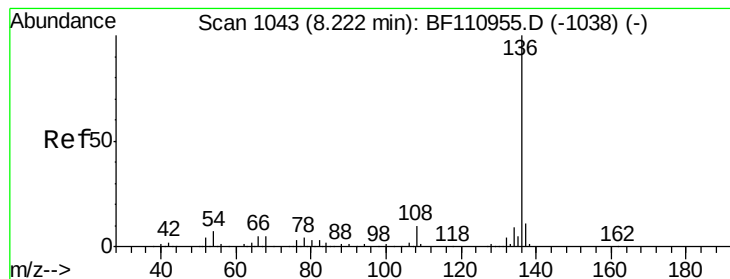


#20
3+4-Methylphenols
Concen: 37.678 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.01 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Tgt Ion:107 Resp: 140668
Ion Ratio Lower Upper
107 100
108 89.0 71.4 111.4
77 196.9 47.3 87.3#
79 30.3 10.9 50.9

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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 176931

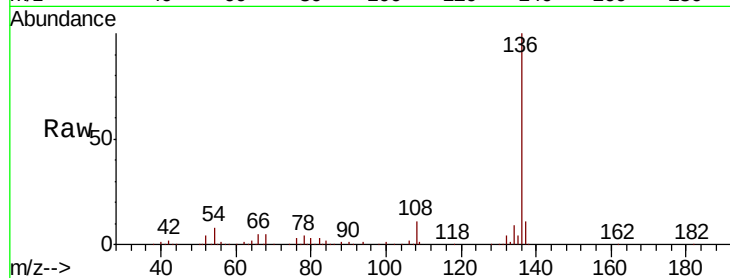
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 7.7 5.4 8.2

68 4.7 4.2 6.2

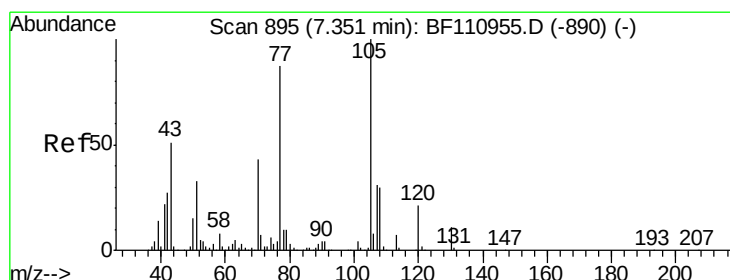
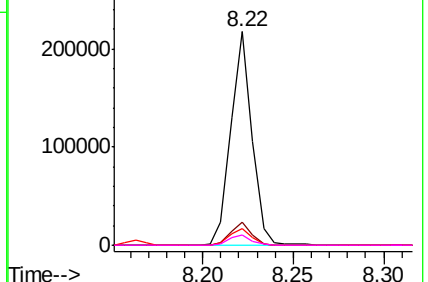
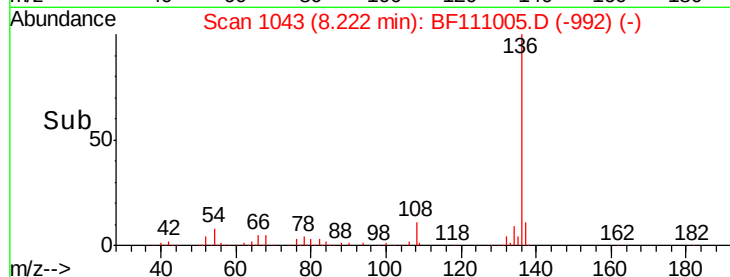


Abundance Ion 136.00 (135.70 to 136.70): E

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: 46.303 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.00 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

Tgt Ion:105 Resp: 192030

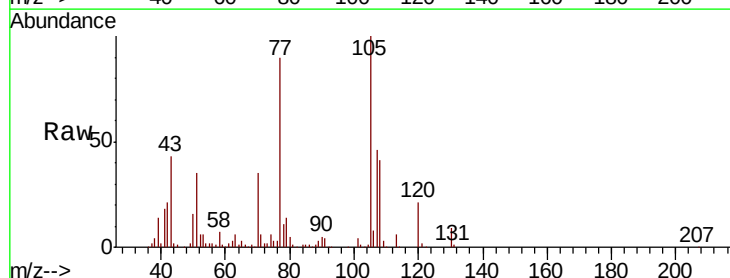
Ion Ratio Lower Upper

105 100

71 5.6 5.2 7.8

51 35.2 21.8 32.8#

120 21.3 17.0 25.4

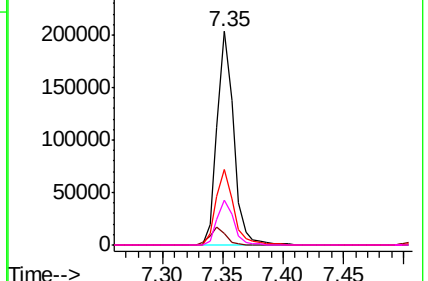
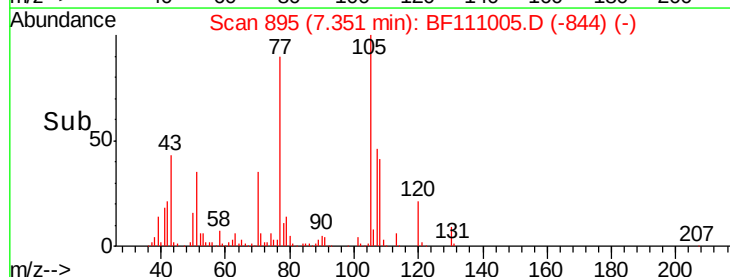


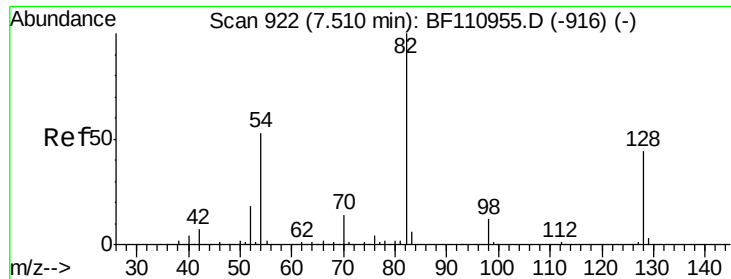
Abundance Ion 105.00 (104.70 to 105.70): E

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

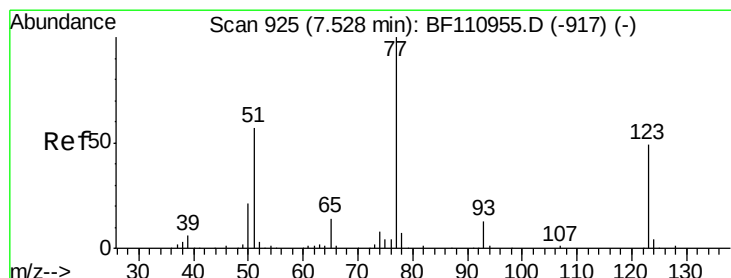
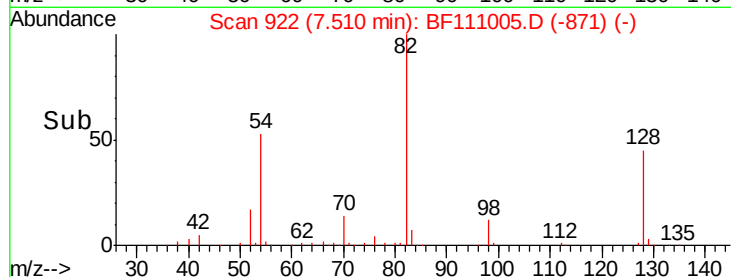
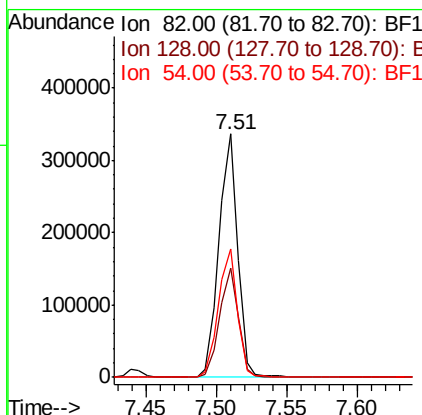
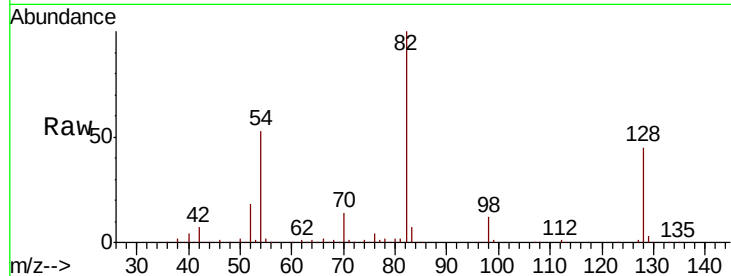




#23
 Nitrobenzene-d5
 Concen: 101.599 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.00 min
 Lab File: BF111005.D
 Acq: 27 Nov 2018 13:10

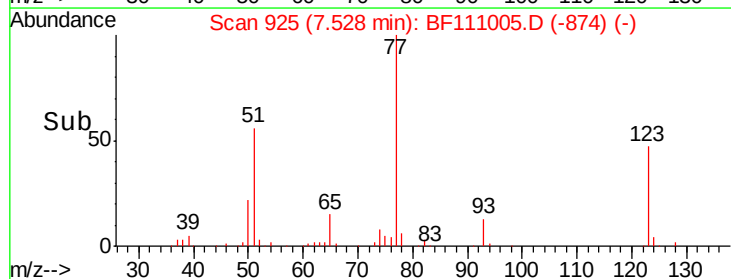
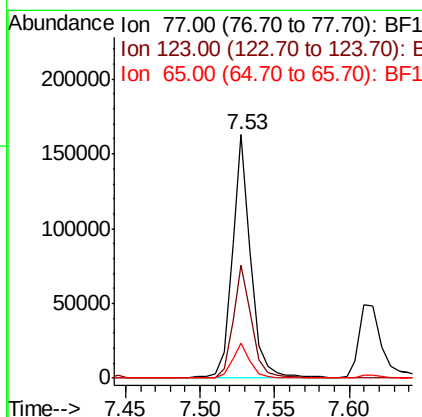
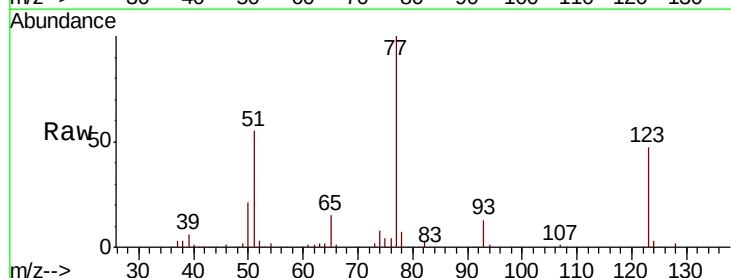
Instrument :
 BNA_F
 ClientSampled :

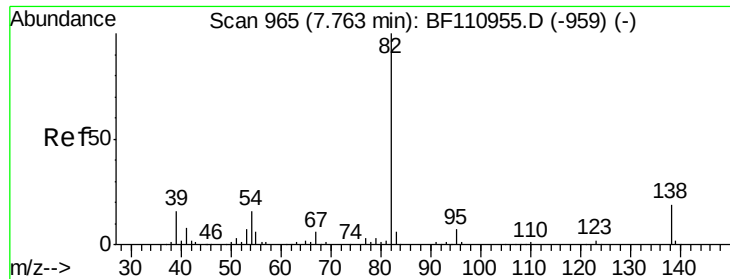
Tot Ion	82	Resp	314097
Ion Ratio	Lower	Upper	
82	100		
128	44.8	34.2	51.2
54	52.9	38.6	58.0



#24
 Nitrobenzene
 Concen: 43.180 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: BF111005.D
 Acq: 27 Nov 2018 13:10

Tgt Ion	77	Resp	138823
Ion Ratio	Lower	Upper	
77	100		
123	46.6	35.7	53.5
65	14.5	10.7	16.1





#25

Isophorone

Concen: 47.948 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

Instrument :

BNA_F

ClientSampleId :

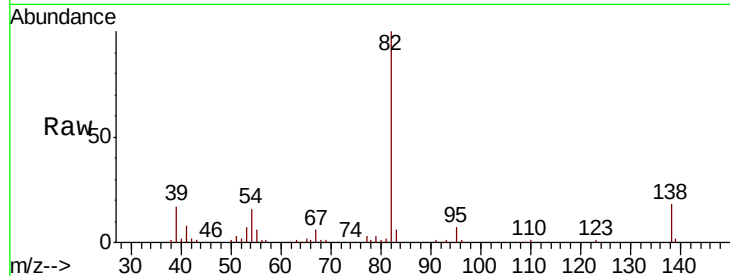
Tot Ion: 82 Resp: 243154

Ion Ratio Lower Upper

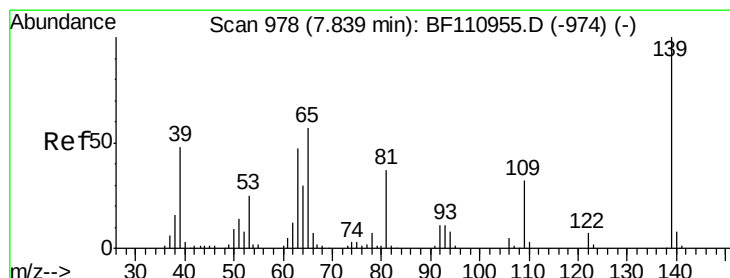
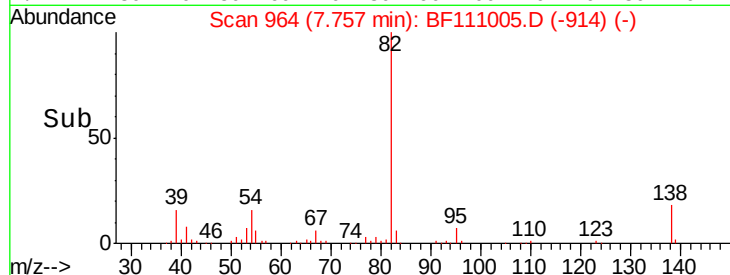
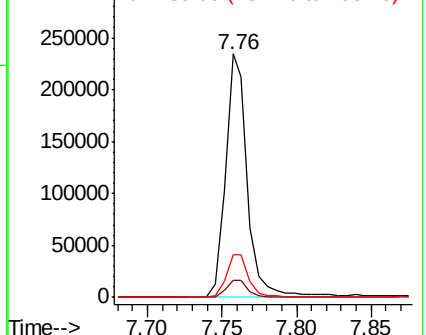
82 100

95 7.1 5.7 8.5

138 17.6 13.2 19.8



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: 40.945 ng

RT: 7.85 min Scan# 979

Delta R.T. 0.01 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

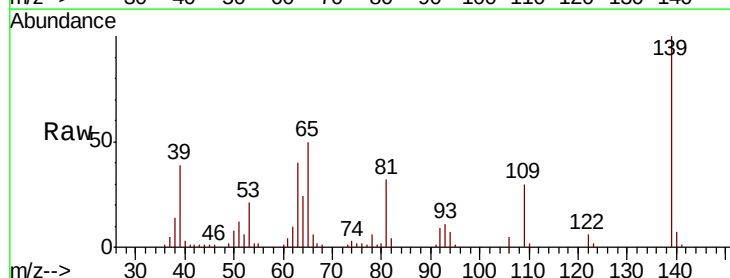
Tgt Ion: 139 Resp: 63953

Ion Ratio Lower Upper

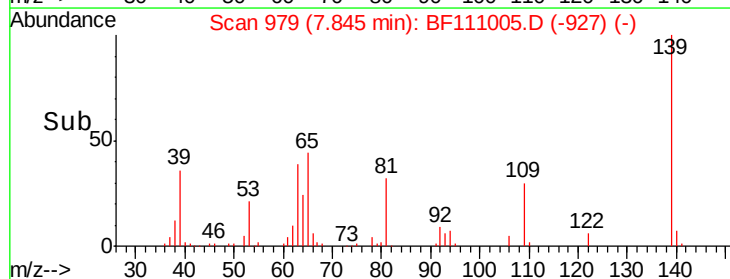
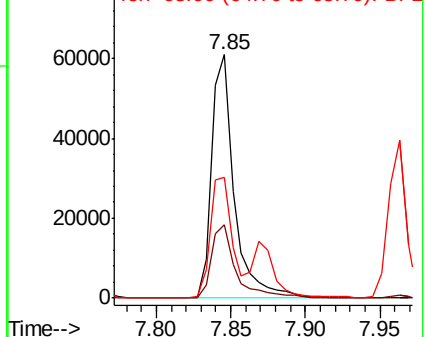
139 100

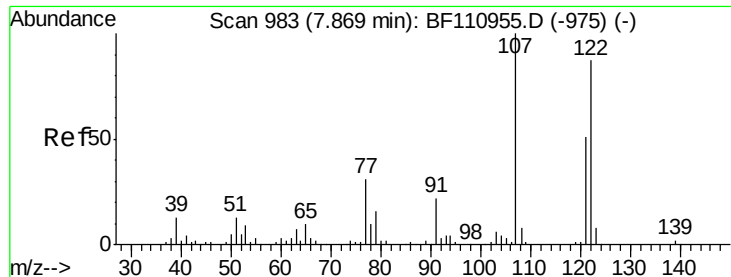
109 30.3 25.0 37.6

65 49.6 44.0 66.0



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

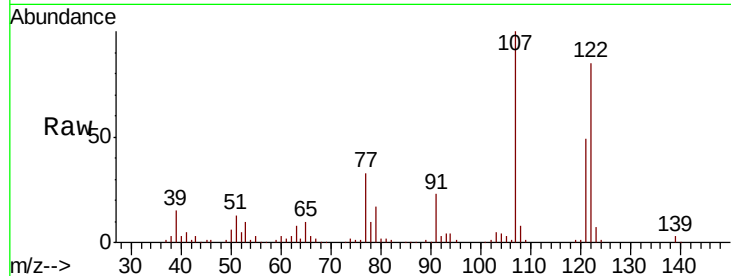




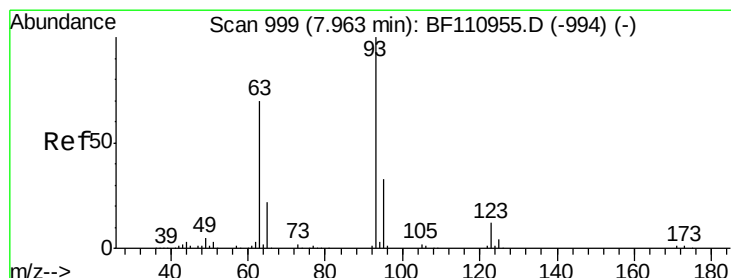
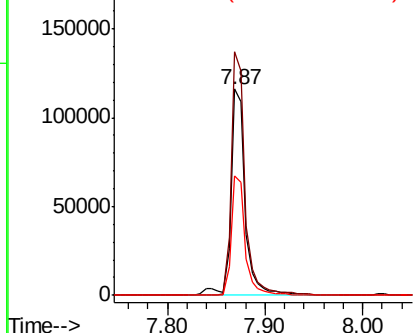
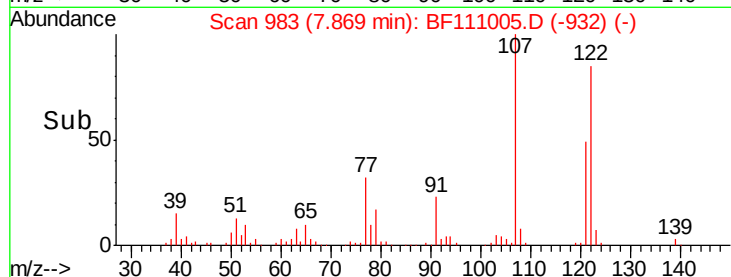
#27
2,4-Dimethylphenol
Concen: 49.940 ng
RT: 7.87 min Scan# 983
Delta R.T. -0.00 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 117797
Ion Ratio Lower Upper
122 100
107 117.9 92.5 138.7
121 57.9 45.8 68.8

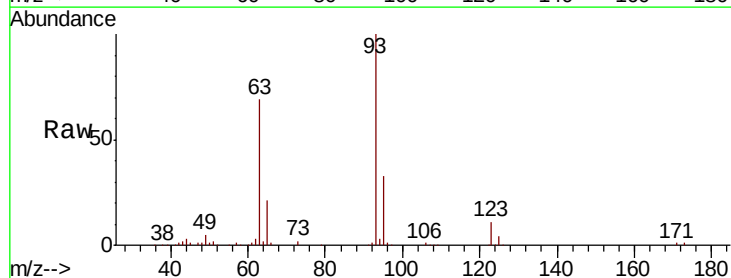


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

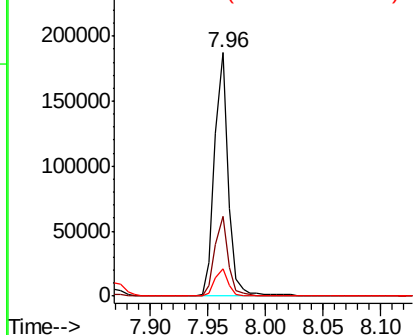
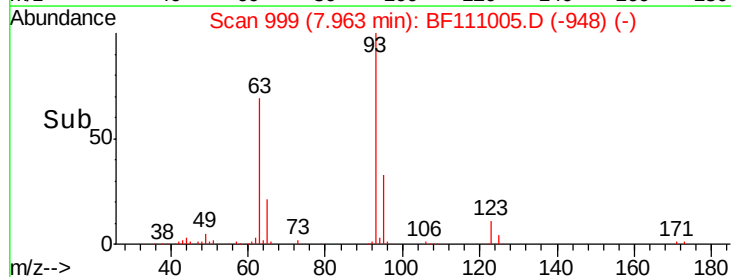


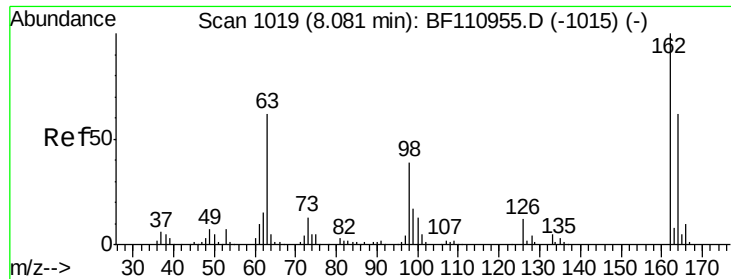
#28
bis(2-Chloroethoxy)methane
Concen: 45.576 ng
RT: 7.96 min Scan# 999
Delta R.T. -0.00 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Tgt Ion: 93 Resp: 154839
Ion Ratio Lower Upper
93 100
95 32.8 26.4 39.6
123 11.4 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

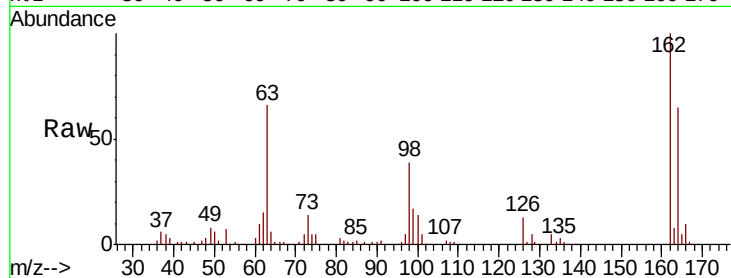




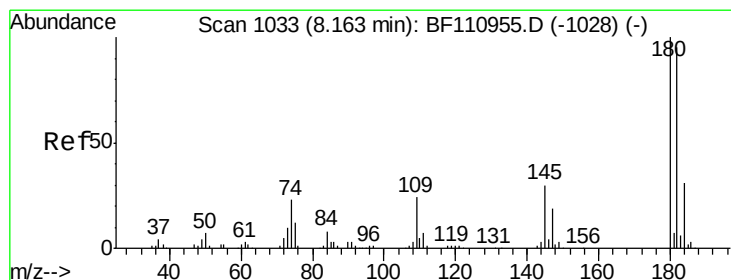
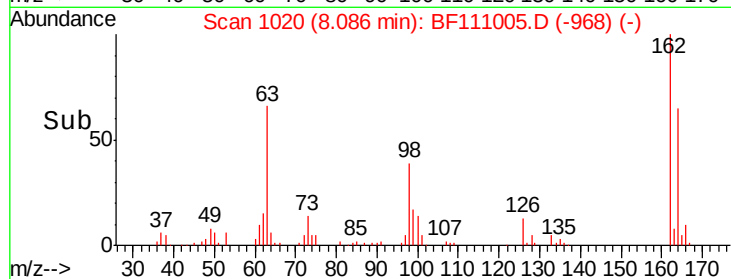
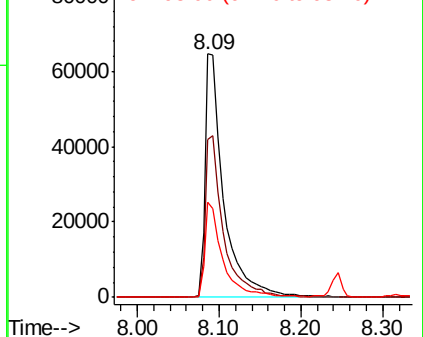
#29
2,4-Dichlorophenol
Concen: 41.531 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.01 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:162 Resp: 102510
Ion Ratio Lower Upper
162 100
164 64.7 44.6 84.6
98 39.0 17.4 57.4

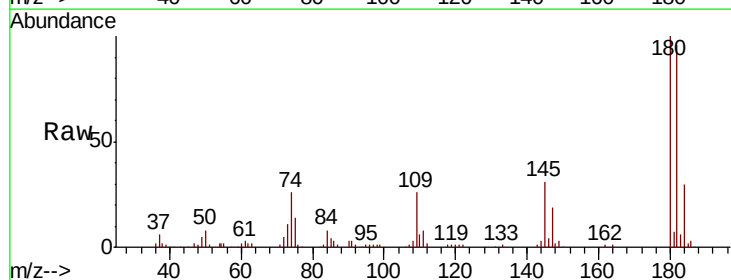


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

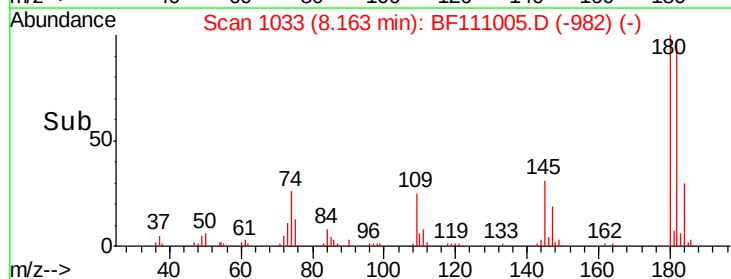
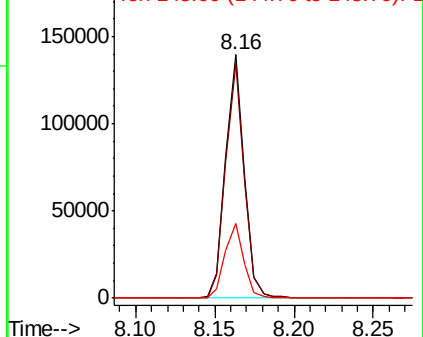


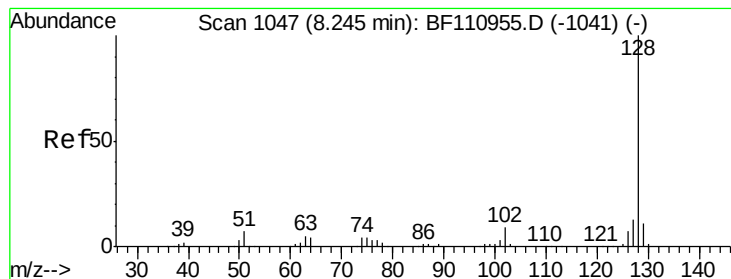
#30
1,2,4-Trichlorobenzene
Concen: 41.195 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Tgt Ion:180 Resp: 113954
Ion Ratio Lower Upper
180 100
182 96.4 80.3 120.5
145 30.9 25.4 38.0



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: 45.631 ng

RT: 8.25 min Scan# 1047

Delta R.T. -0.00 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

Instrument :

BNA_F

ClientSampleId :

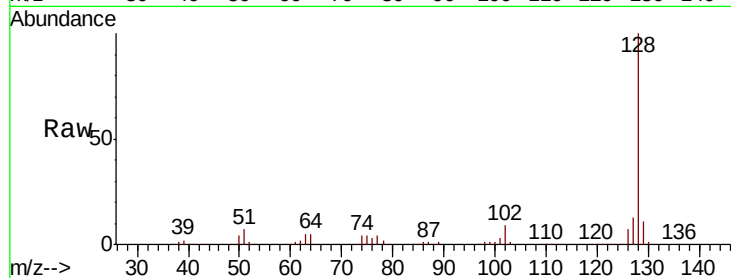
Tot Ion:128 Resp: 378446

Ion Ratio Lower Upper

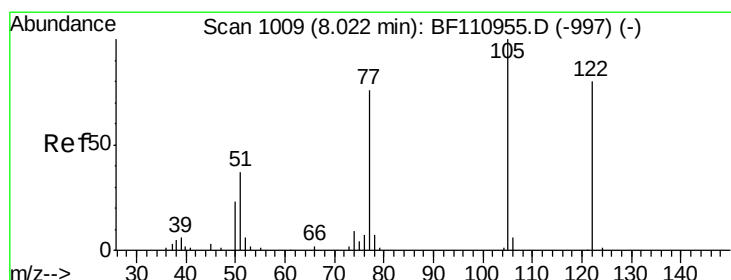
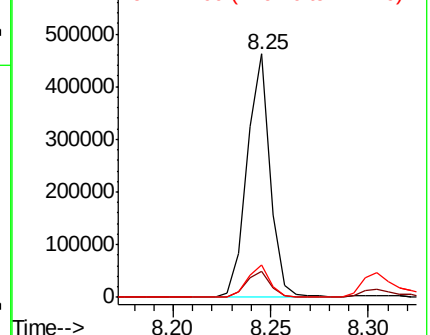
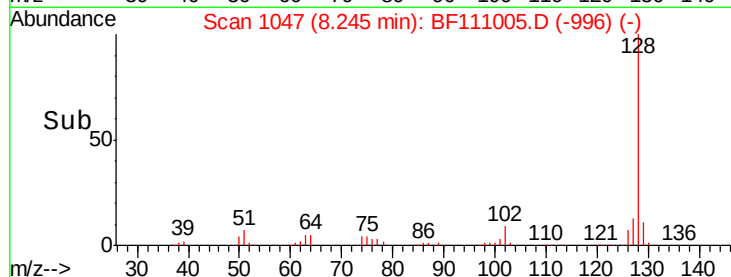
128 100

129 10.8 8.8 13.2

127 13.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 67.170 ng

RT: 7.87 min Scan# 983

Delta R.T. -0.16 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

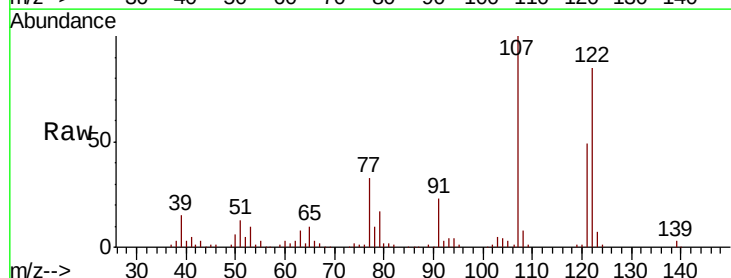
Tgt Ion:122 Resp: 117797

Ion Ratio Lower Upper

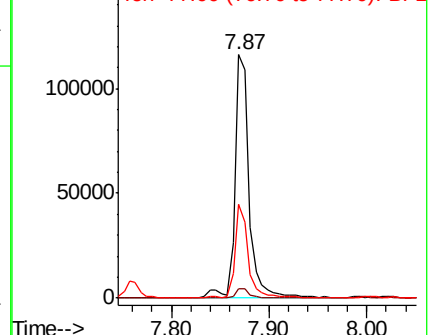
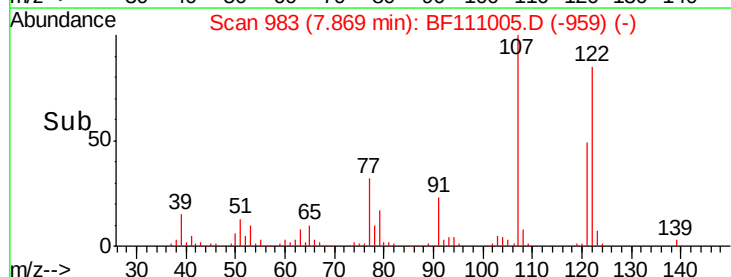
122 100

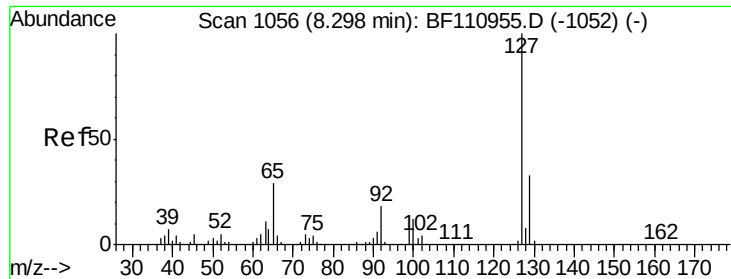
105 3.7 109.0 149.0#

77 38.6 79.0 119.0#



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

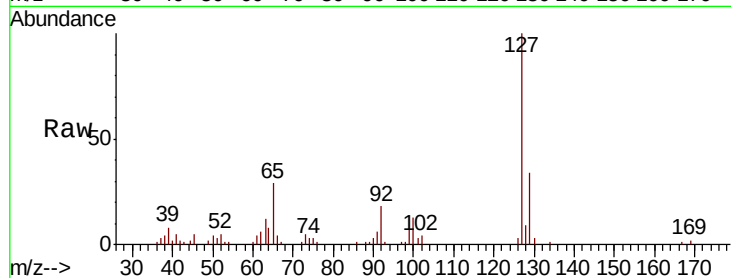




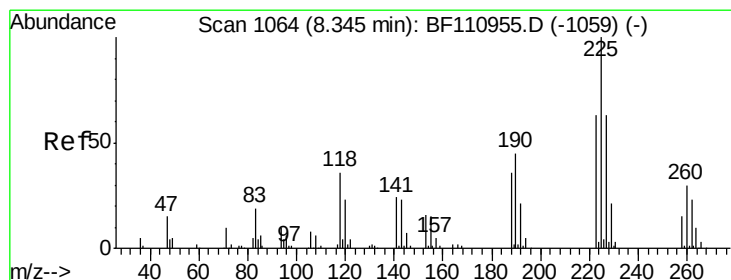
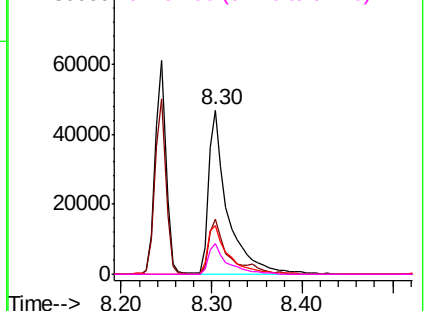
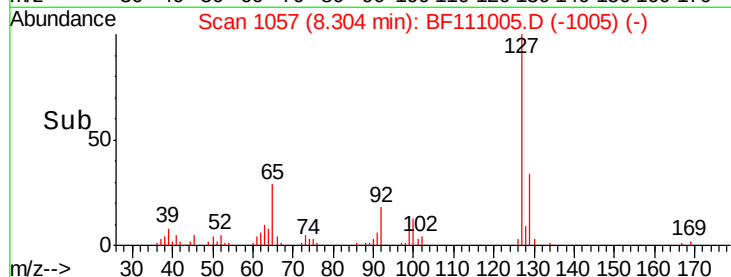
#33
4-Chloroaniline
Concen: 19.626 ng
RT: 8.30 min Scan# 1057
Delta R.T. 0.01 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:127	Resp:	69280
Ion Ratio	Lower	Upper
127	100	
129	33.6	26.0 39.0
65	29.4	25.1 37.7
92	18.4	15.0 22.6

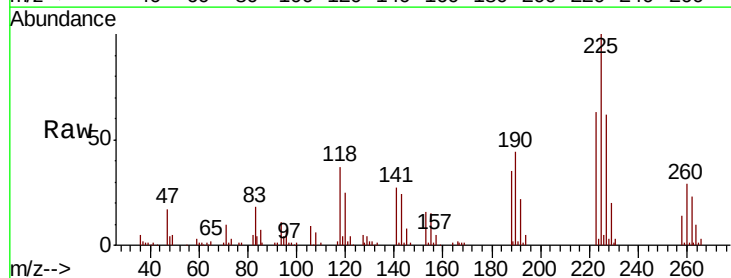


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

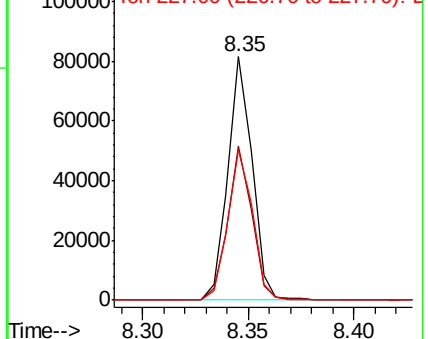
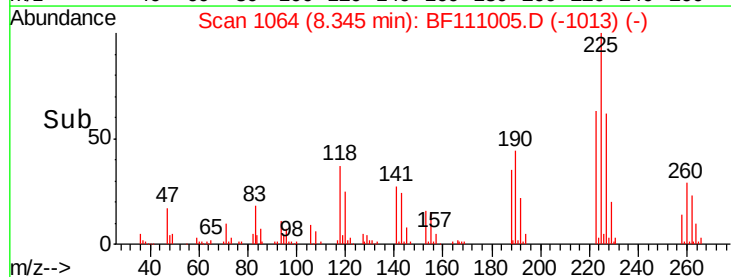


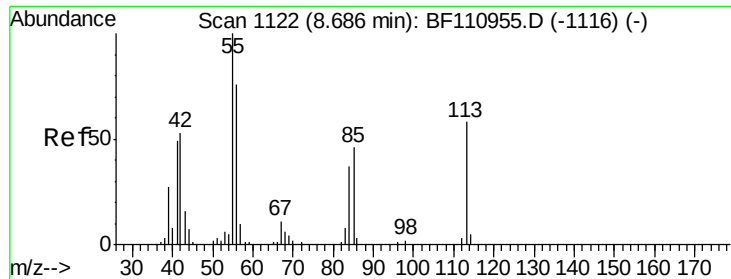
#34
Hexachlorobutadiene
Concen: 41.033 ng
RT: 8.35 min Scan# 1064
Delta R.T. -0.00 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Tgt Ion:225	Resp:	64649
Ion Ratio	Lower	Upper
225	100	
223	63.0	51.4 77.2
227	61.5	51.0 76.6



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

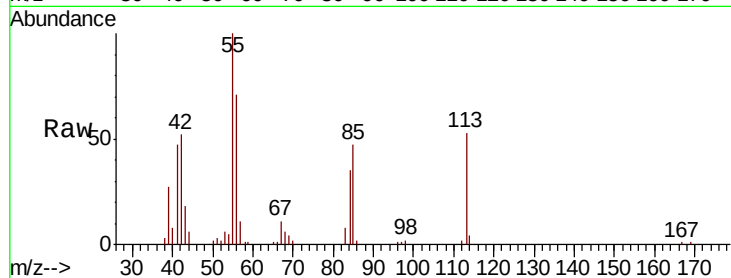




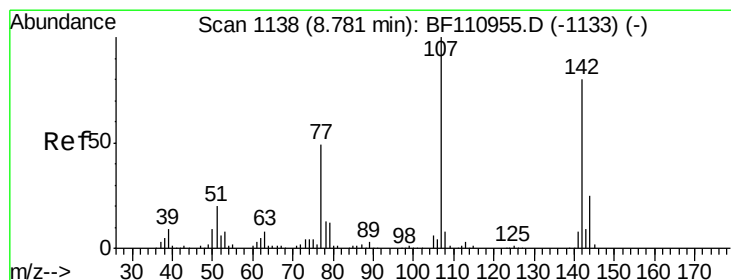
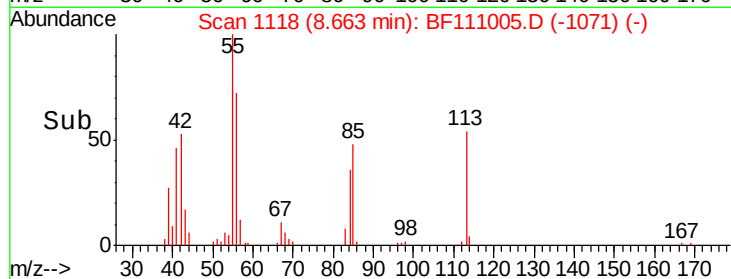
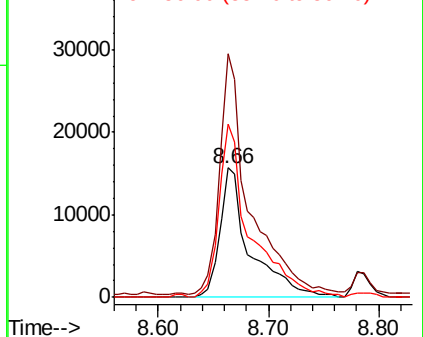
#35
 Caprolactam
 Concen: 35.705 ng
 RT: 8.66 min Scan# 1118
 Delta R.T. -0.02 min
 Lab File: BF111005.D
 Acq: 27 Nov 2018 13:10

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:113 Resp: 30088
 Ion Ratio Lower Upper
 113 100
 55 188.2 142.8 182.8#
 56 134.1 105.0 145.0

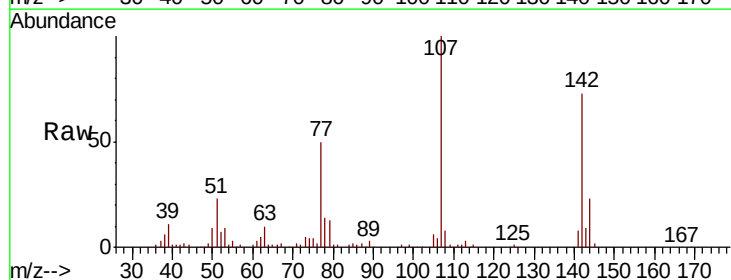


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

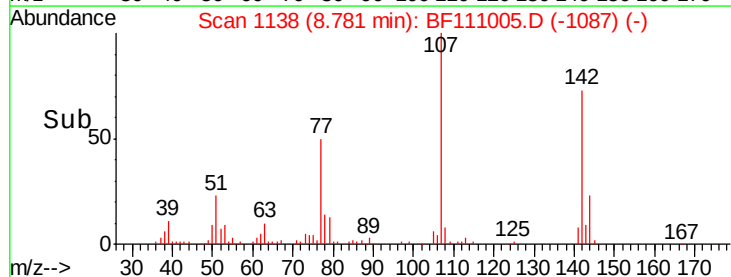
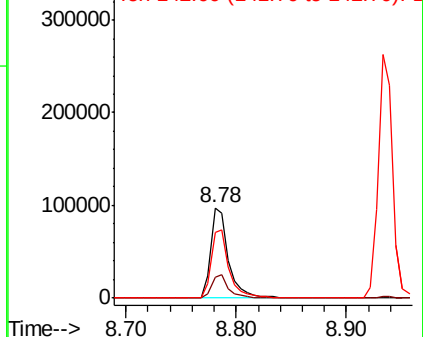


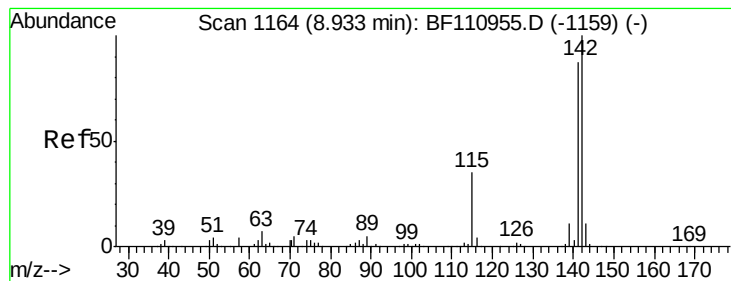
#36
 4-Chloro-3-methylphenol
 Concen: 38.861 ng
 RT: 8.78 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: BF111005.D
 Acq: 27 Nov 2018 13:10

Tgt Ion:107 Resp: 106578
 Ion Ratio Lower Upper
 107 100
 144 22.5 20.0 30.0
 142 73.1 59.7 89.5



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

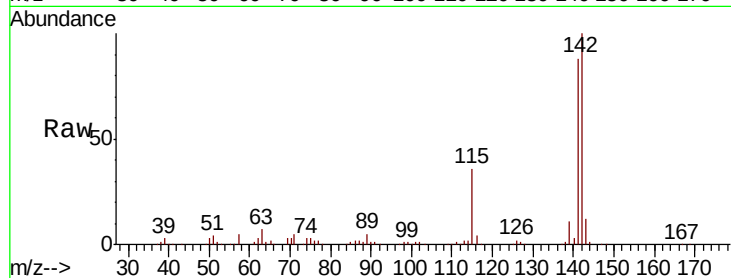




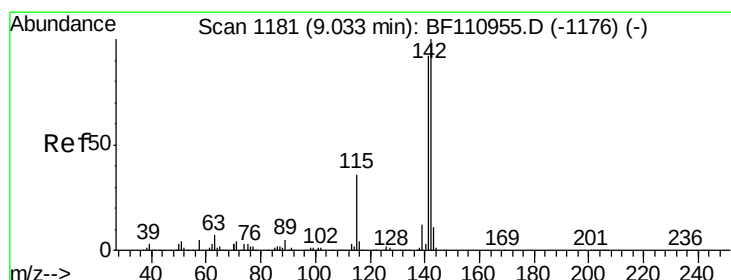
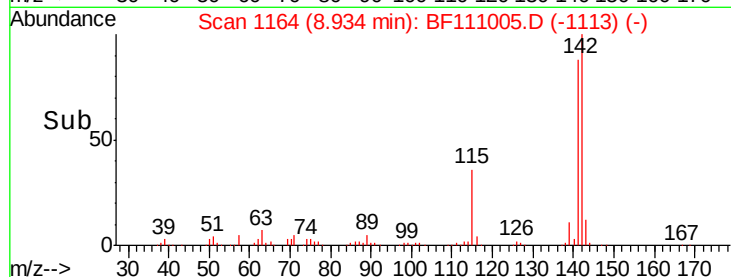
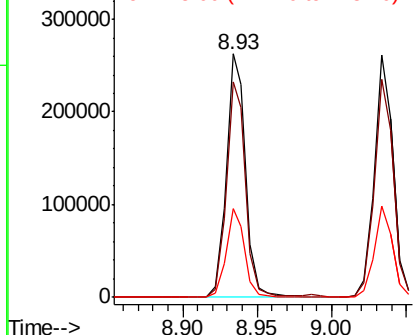
#37
 2-Methylnaphthalene
 Concen: 43.843 ng
 RT: 8.93 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: BF111005.D
 Acq: 27 Nov 2018 13:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.4	107.2
115	36.3	28.7	43.1

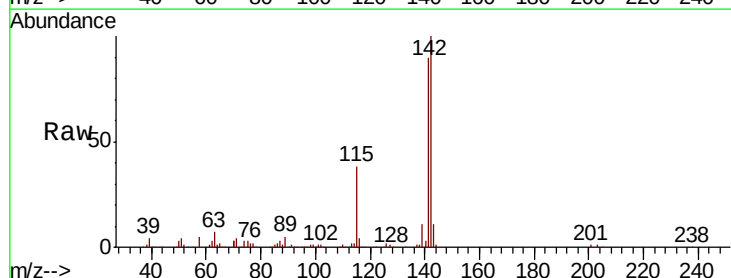


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

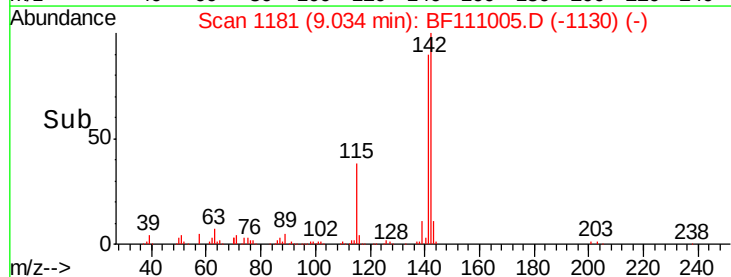
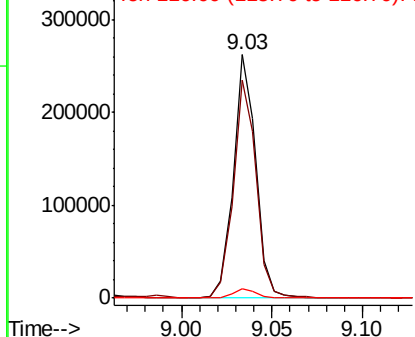


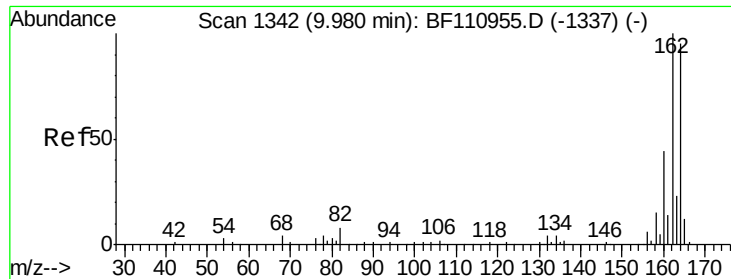
#38
 1-Methylnaphthalene
 Concen: 41.945 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: BF111005.D
 Acq: 27 Nov 2018 13:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.7	74.2	111.4
116	3.8	2.6	4.0



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: 9.98 min Scan# 1342

Delta R.T. -0.00 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

Instrument :

BNA_F

ClientSampleId :

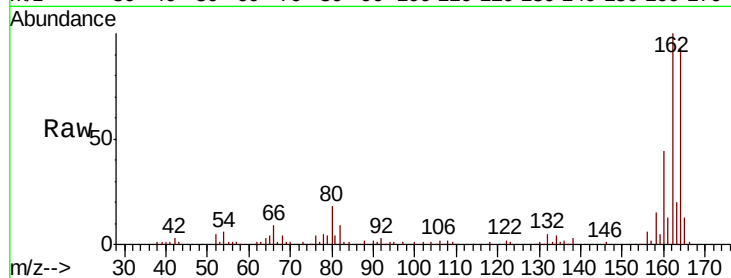
Tot Ion:164 Resp: 71301

Ion Ratio Lower Upper

164 100

162 107.1 83.0 124.6

160 46.9 37.0 55.6

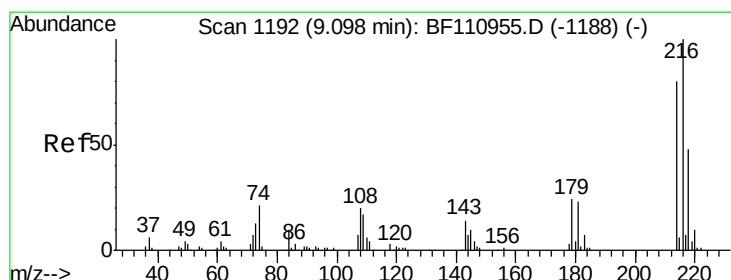
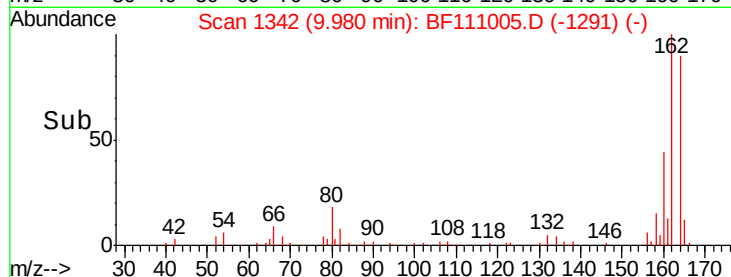
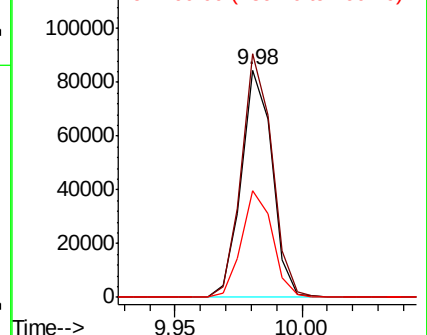


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 44.588 ng

RT: 9.10 min Scan# 1193

Delta R.T. -0.00 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

Tgt Ion:216 Resp: 100008

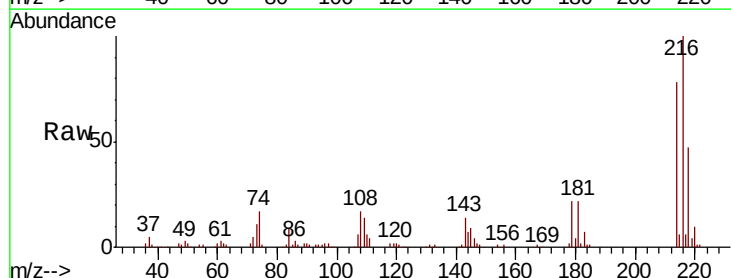
Ion Ratio Lower Upper

216 100

214 78.2 63.8 95.6

179 22.5 16.6 25.0

108 18.0 15.1 22.7



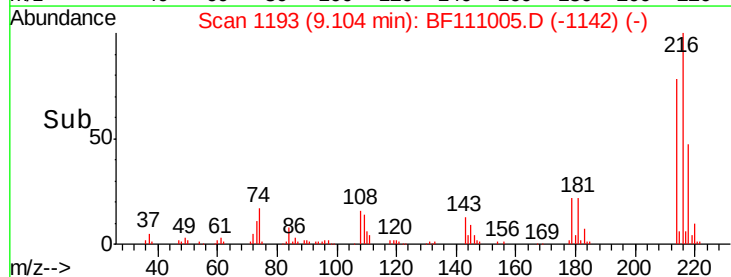
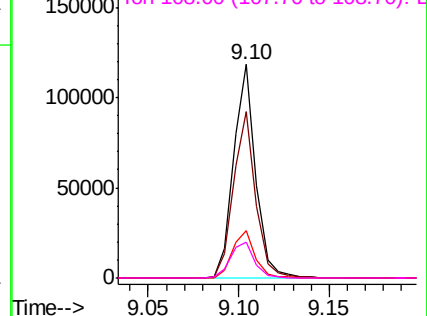
Abundance

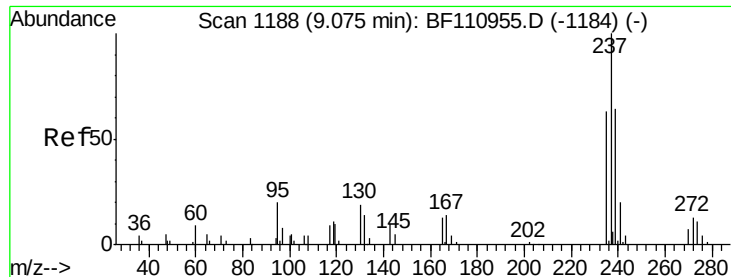
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 11.299 ng

RT: 8.99 min Scan# 1173

Delta R.T. -0.09 min

Lab File: BF111005.D

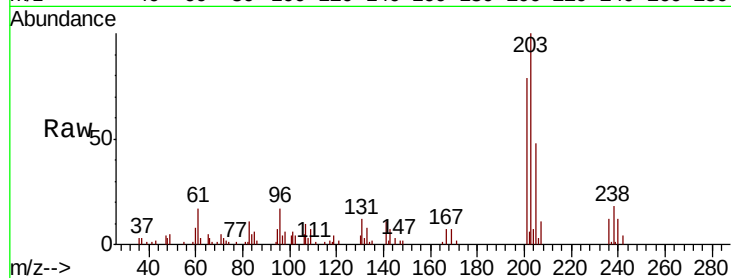
Acq: 27 Nov 2018 13:10

Instrument :

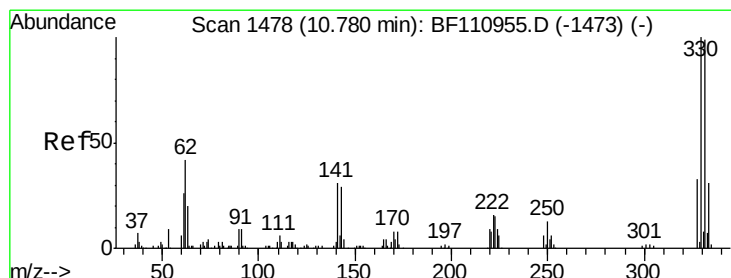
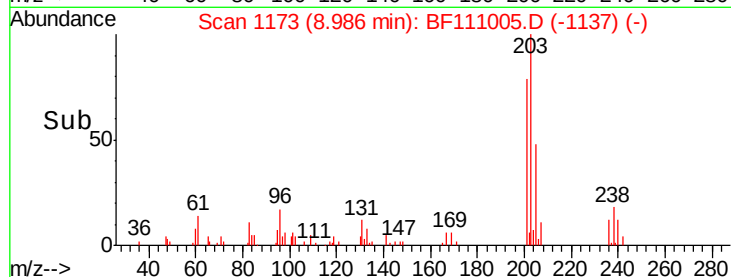
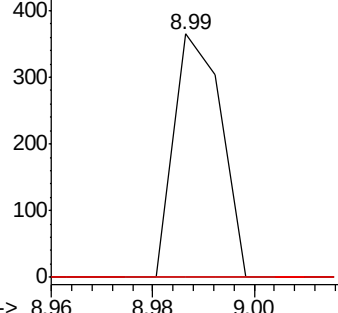
BNA_F

ClientSampled :

Tot Ion:	237	Resp:	236
Ion Ratio	Lower	Upper	
237	100		
235	0.0	43.1	83.1#
272	0.0	0.0	32.6



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: 145.168 ng

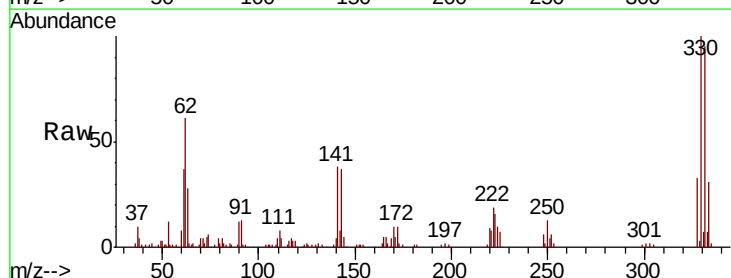
RT: 10.78 min Scan# 1478

Delta R.T. -0.00 min

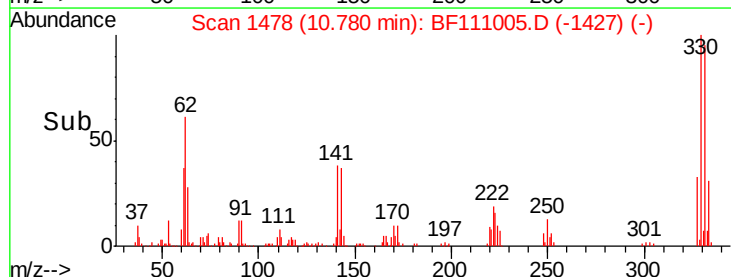
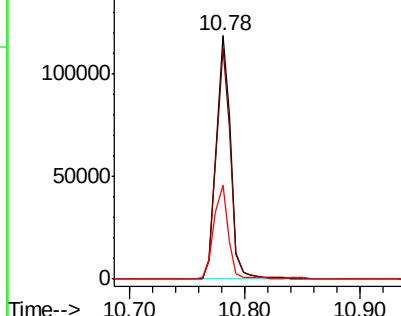
Lab File: BF111005.D

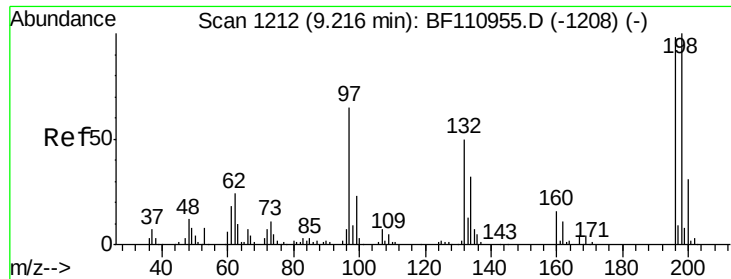
Acq: 27 Nov 2018 13:10

Tgt Ion:	330	Resp:	102796
Ion Ratio	Lower	Upper	
330	100		
332	94.6	77.1	115.7
141	38.5	27.0	40.4



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

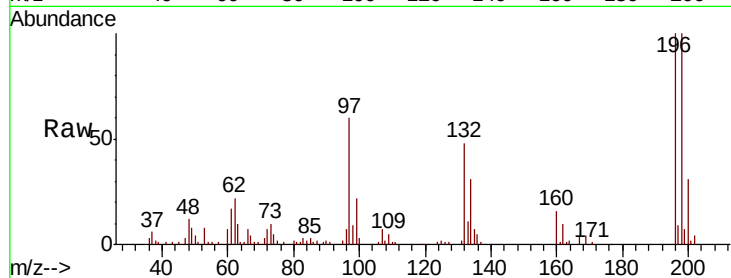




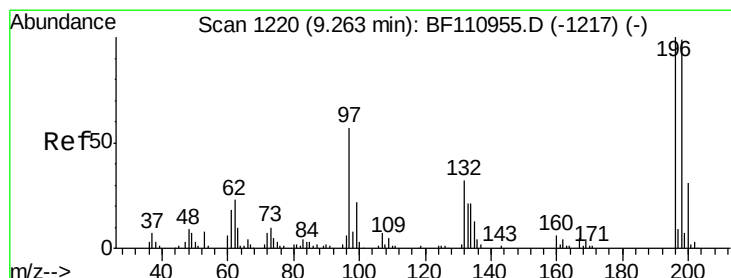
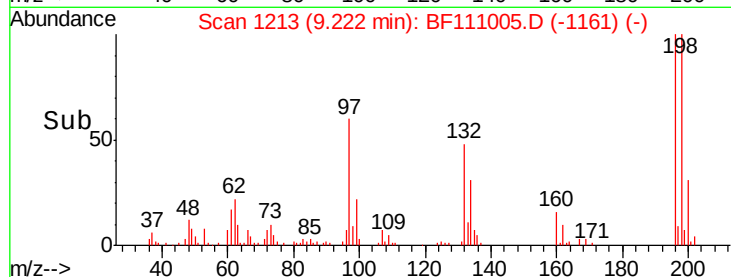
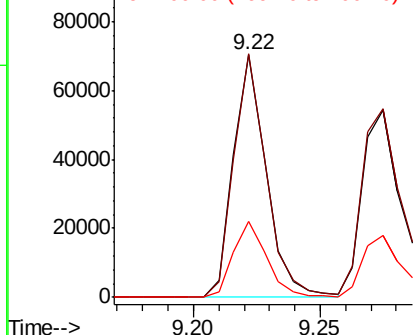
#43
 2,4,6-Trichlorophenol
 Concen: 47.481 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.01 min
 Lab File: BF111005.D
 Acq: 27 Nov 2018 13:10

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:196 Resp: 63605
 Ion Ratio Lower Upper
 196 100
 198 100.2 76.2 114.4
 200 31.3 24.4 36.6

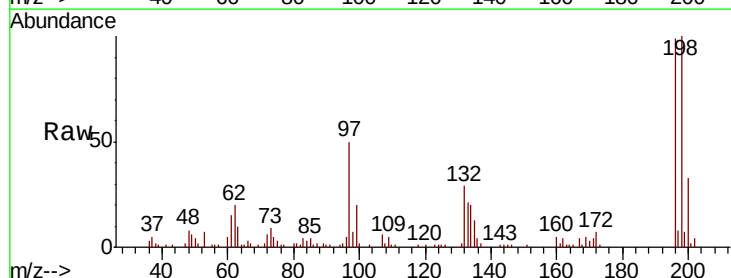


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

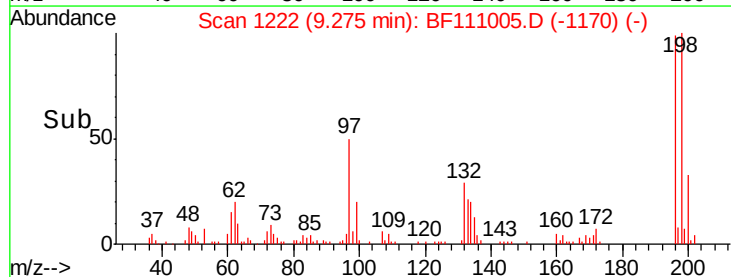
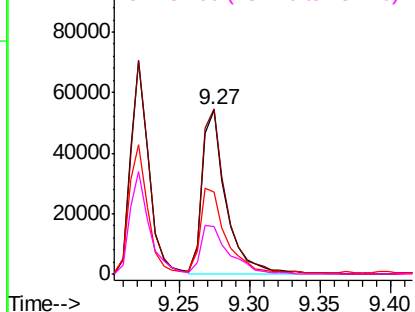


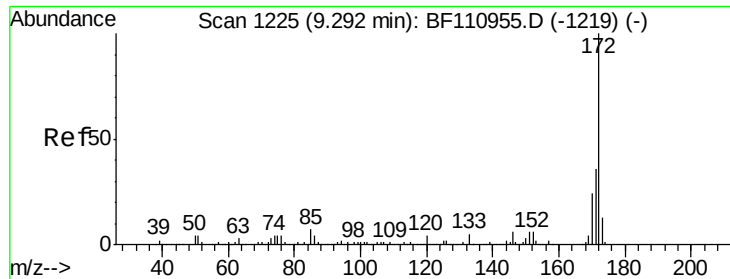
#44
 2,4,5-Trichlorophenol
 Concen: 45.365 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. 0.01 min
 Lab File: BF111005.D
 Acq: 27 Nov 2018 13:10

Tgt Ion:196 Resp: 63988
 Ion Ratio Lower Upper
 196 100
 198 100.9 75.8 113.6
 97 50.3 42.4 63.6
 132 29.2 22.8 34.2



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

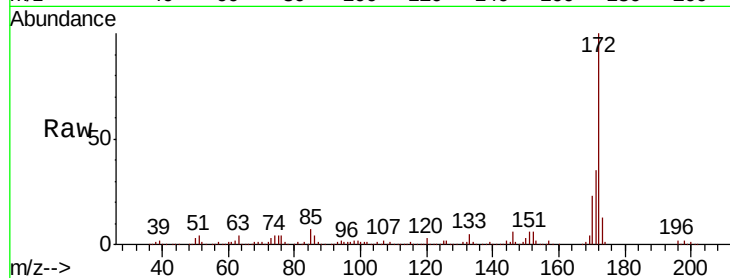




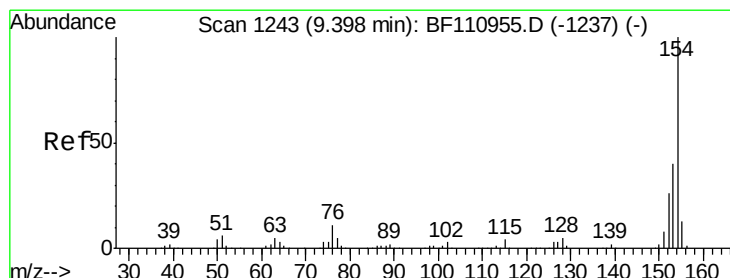
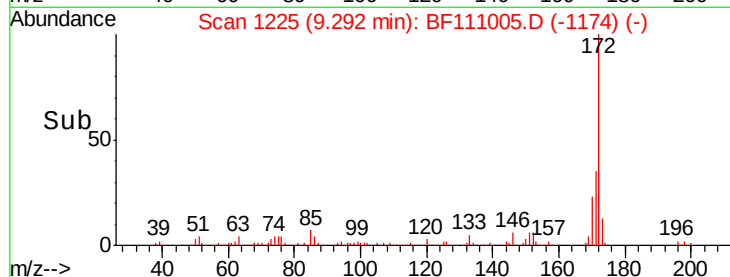
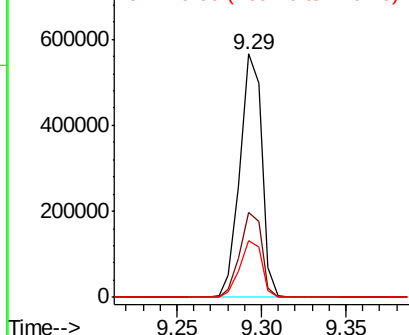
#45
2-Fluorobiphenyl
Concen: 104.486 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.00 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 514226
Ion Ratio Lower Upper
172 100
171 34.9 28.6 43.0
170 23.3 19.7 29.5

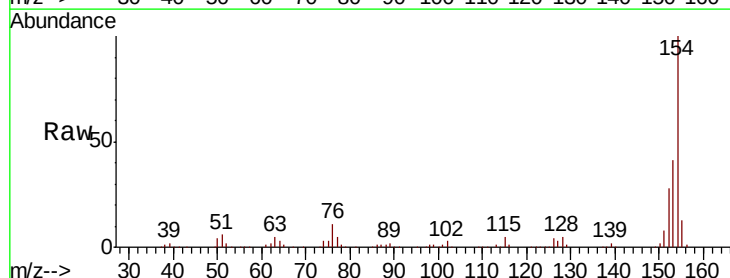


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

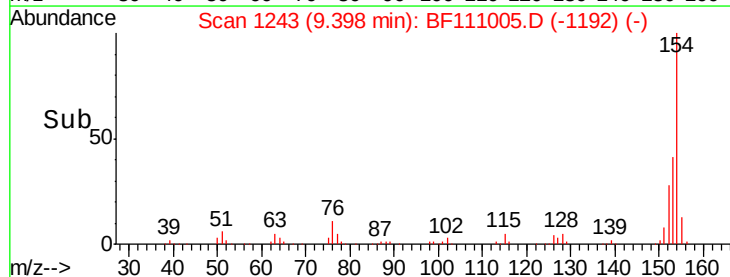
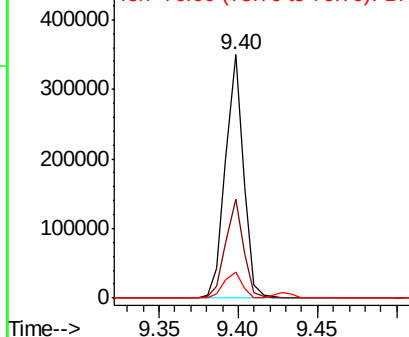


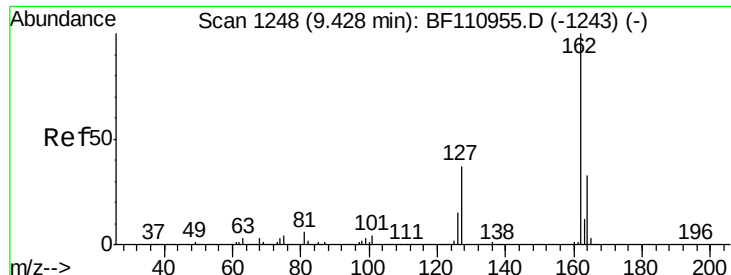
#46
1,1'-Biphenyl
Concen: 42.132 ng
RT: 9.40 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Tgt Ion:154 Resp: 276956
Ion Ratio Lower Upper
154 100
153 40.7 20.4 60.4
76 10.9 0.0 31.9



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

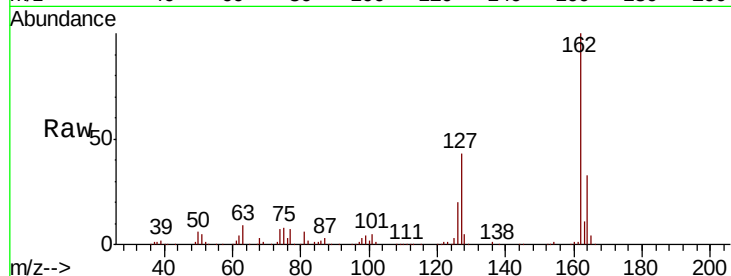




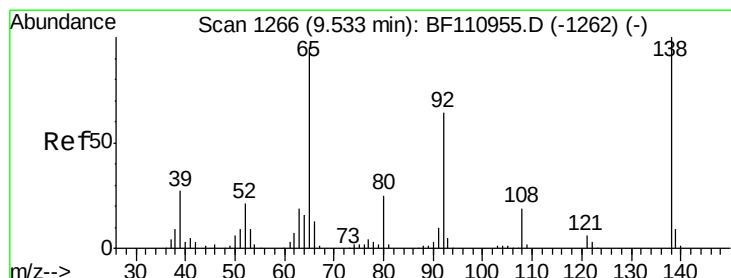
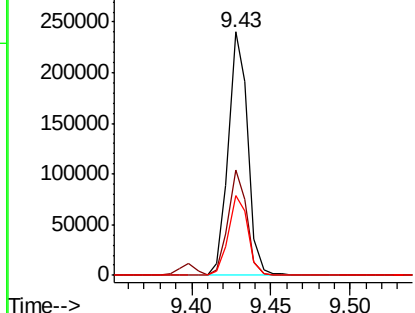
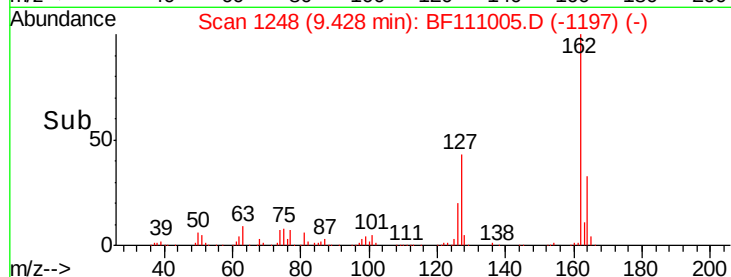
#47
 2-Chloronaphthalene
 Concen: 42.974 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: BF111005.D
 Acq: 27 Nov 2018 13:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	162	Resp	204821
Ion Ratio	Lower	Upper	
162	100		
127	43.3	32.6	48.8
164	32.9	25.9	38.9

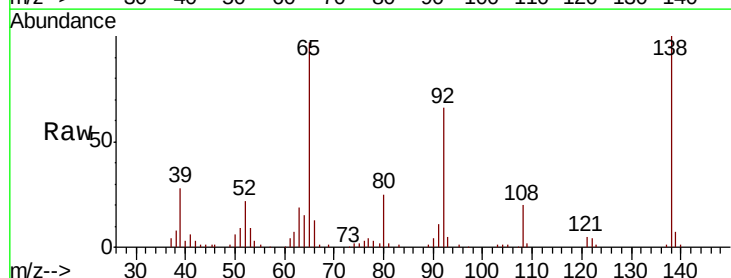


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

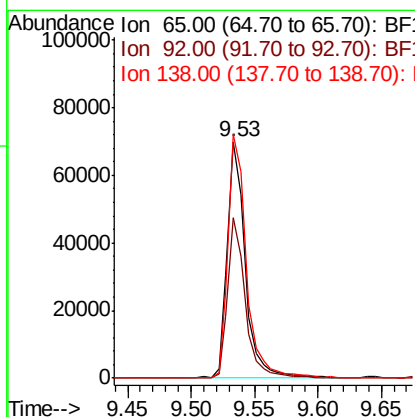
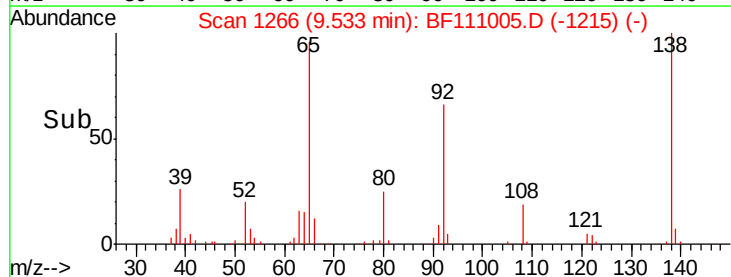


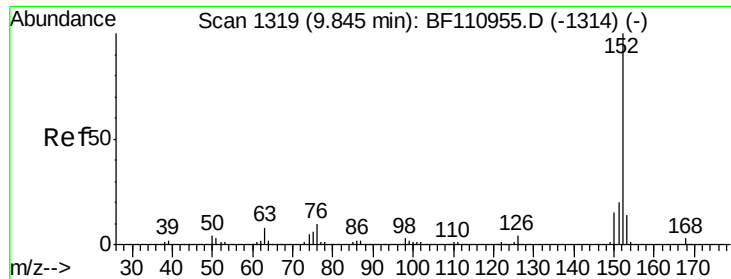
#48
 2-Nitroaniline
 Concen: 46.067 ng
 RT: 9.53 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: BF111005.D
 Acq: 27 Nov 2018 13:10

Tgt Ion	65	Resp	68677
Ion Ratio	Lower	Upper	
65	100		
92	68.0	54.6	81.8
138	103.1	80.3	120.5



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: 46.537 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

Instrument :

BNA_F

ClientSampleId :

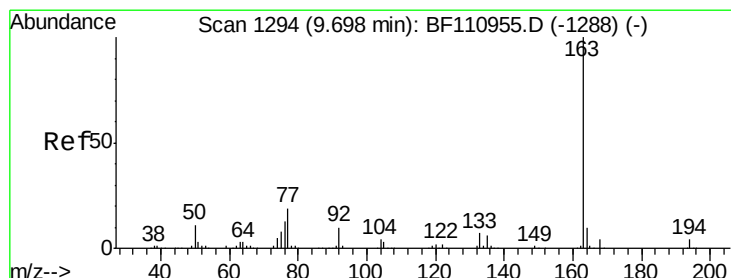
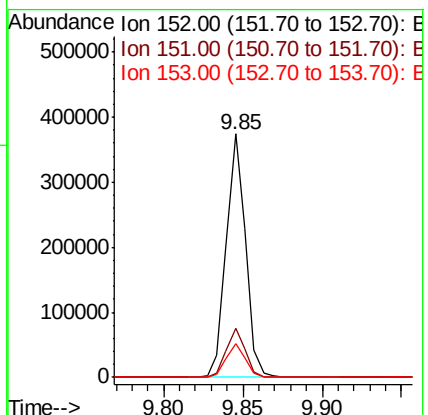
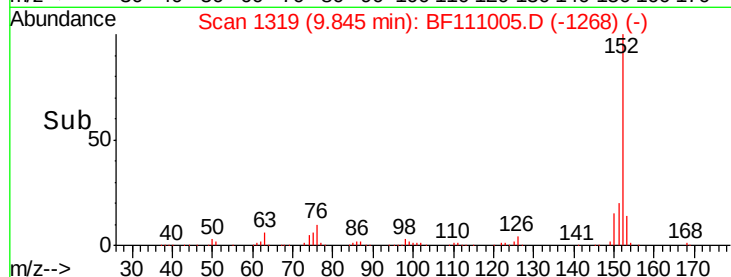
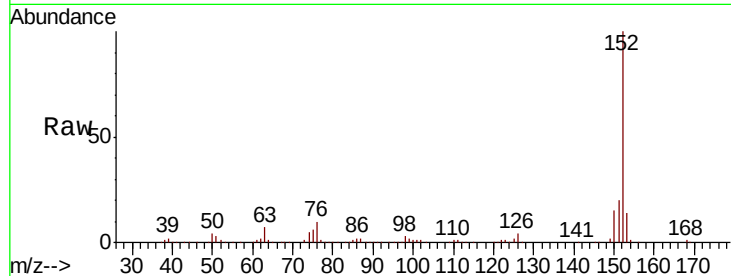
Tot Ion:152 Resp: 315400

Ion Ratio Lower Upper

152 100

151 20.1 15.8 23.8

153 13.9 10.4 15.6



#50

Dimethylphthalate

Concen: 58.652 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

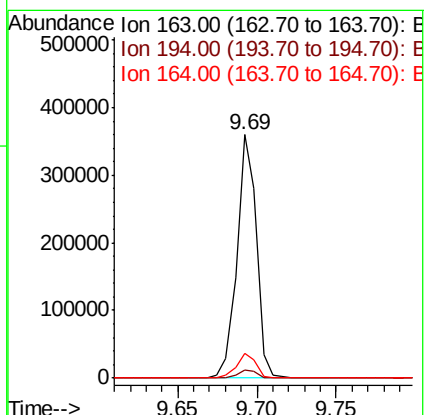
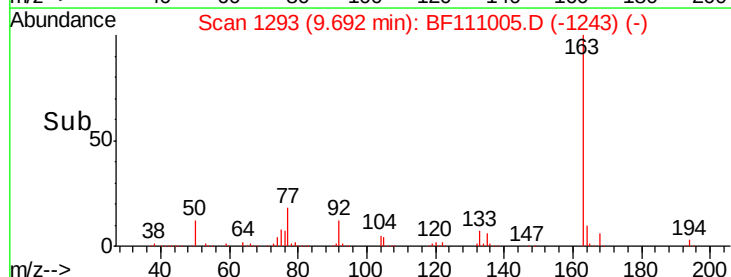
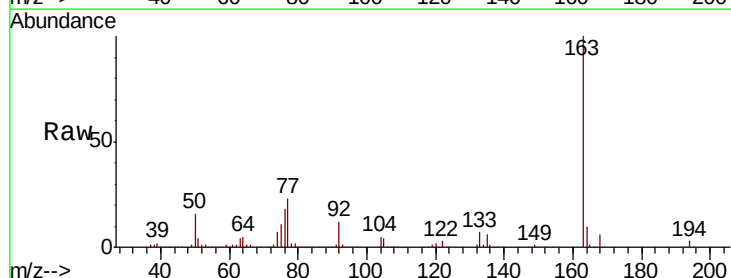
Tgt Ion:163 Resp: 306705

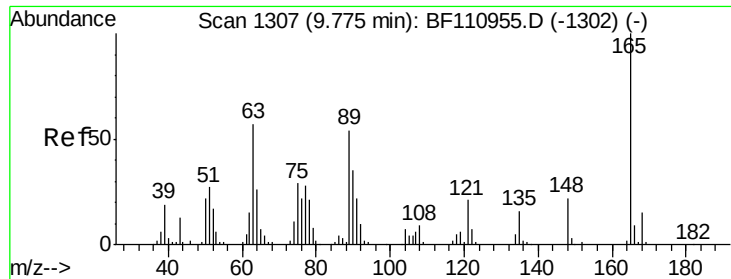
Ion Ratio Lower Upper

163 100

194 3.5 3.2 4.8

164 10.2 8.1 12.1

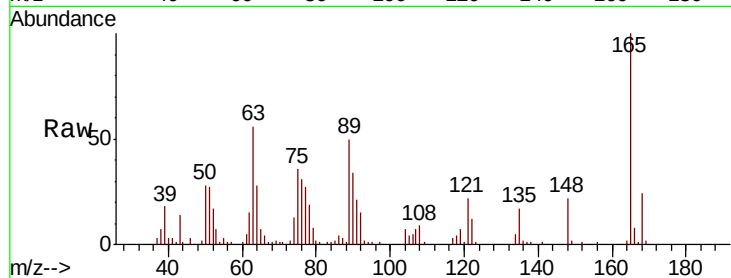




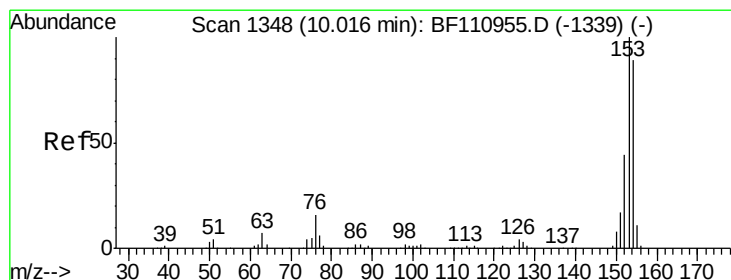
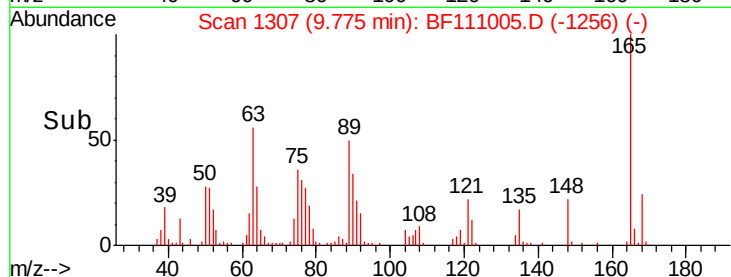
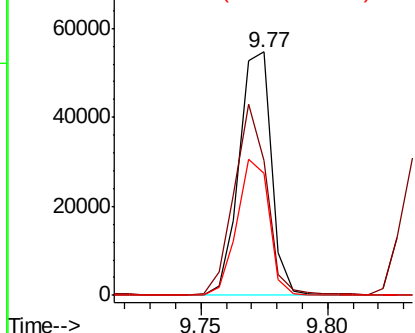
#51
2,6-Dinitrotoluene
Concen: 41.557 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Instrument :
BNA_F
ClientSampled :

Tot Ion	165	Resp	48378
Ion Ratio	Lower	Upper	
165	100		
63	55.6	48.9	73.3
89	50.0	46.6	69.8

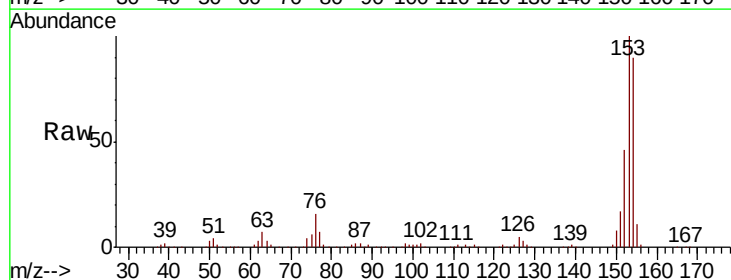


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

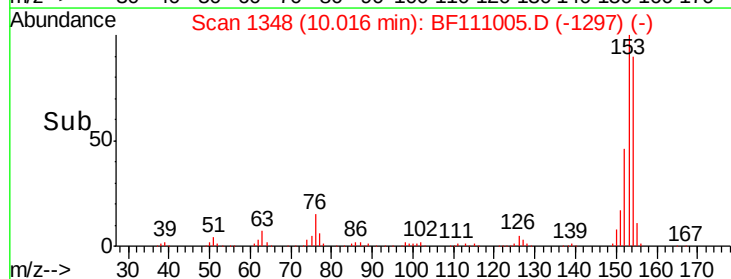
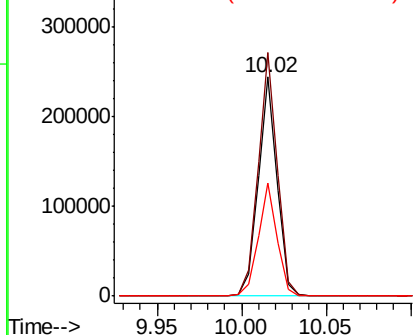


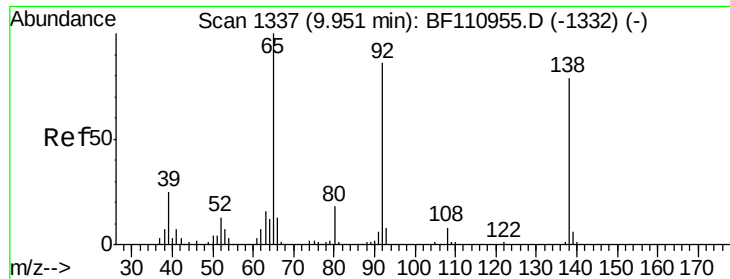
#52
Acenaphthene
Concen: 43.850 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.00 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Tgt Ion	154	Resp	190519
Ion Ratio	Lower	Upper	
154	100		
153	111.2	90.1	135.1
152	51.5	43.4	65.2



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

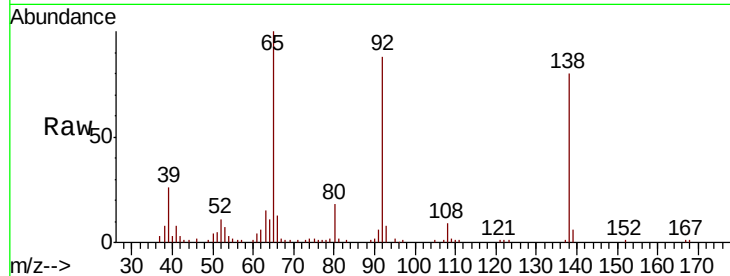




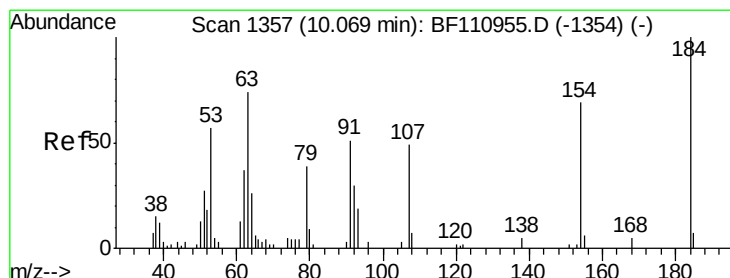
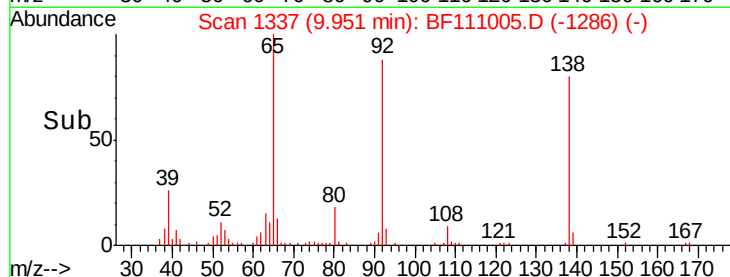
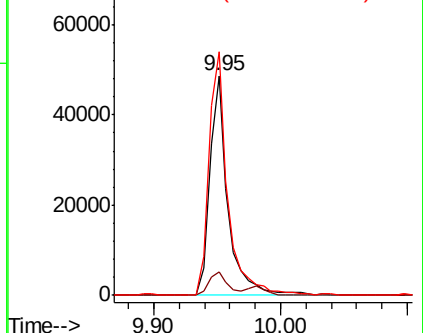
#53
3-Nitroaniline
Concen: 35.894 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.00 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:138 Resp: 48701
Ion Ratio Lower Upper
138 100
108 10.8 8.7 13.1
92 110.8 97.0 145.4

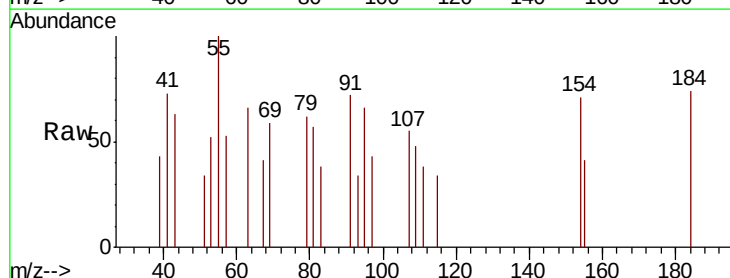


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

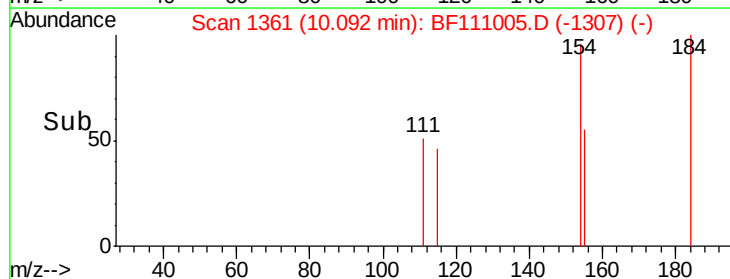
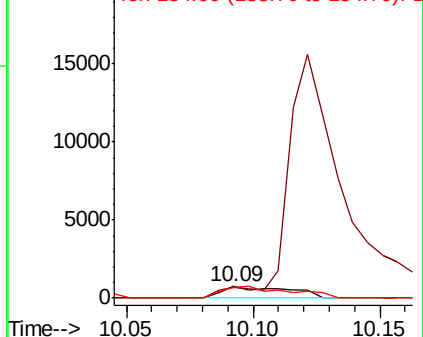


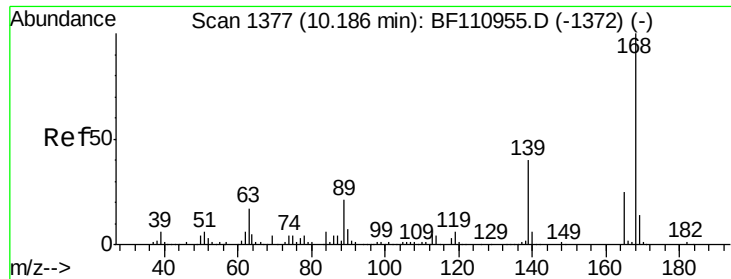
#54
2,4-Dinitrophenol
Concen: 6.884 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.02 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Tgt Ion:184 Resp: 1366
Ion Ratio Lower Upper
184 100
63 88.8 55.8 83.6#
154 95.9 63.2 94.8#



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

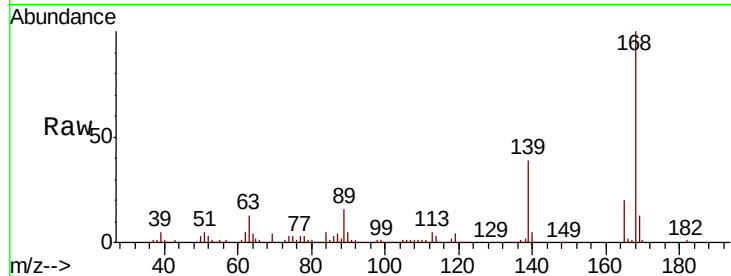




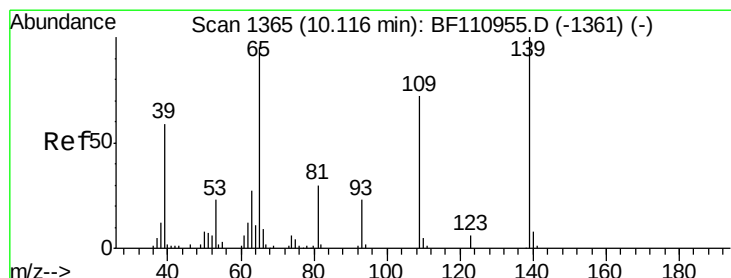
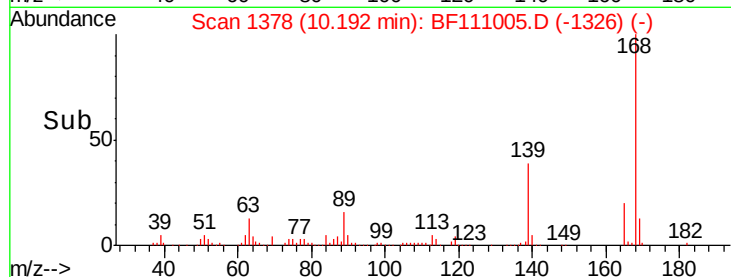
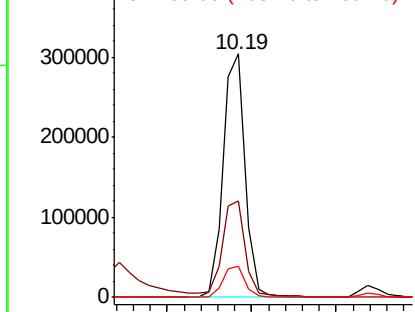
#55
Dibenzofuran
Concen: 43.231 ng
RT: 10.19 min Scan# 1378
Delta R.T. 0.01 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 274021
Ion Ratio Lower Upper
168 100
139 39.4 33.0 49.6
169 13.0 11.3 16.9

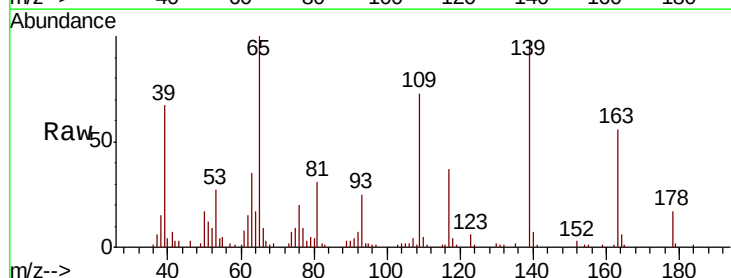


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

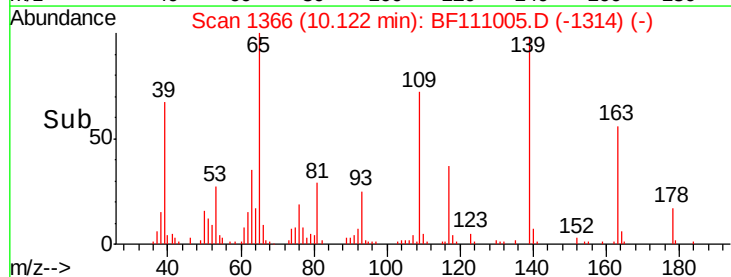
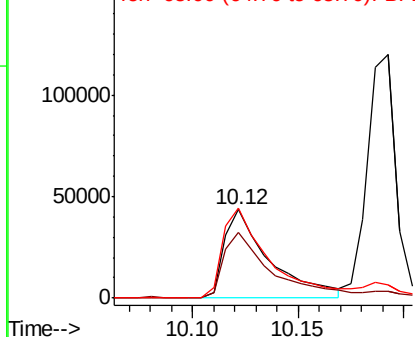


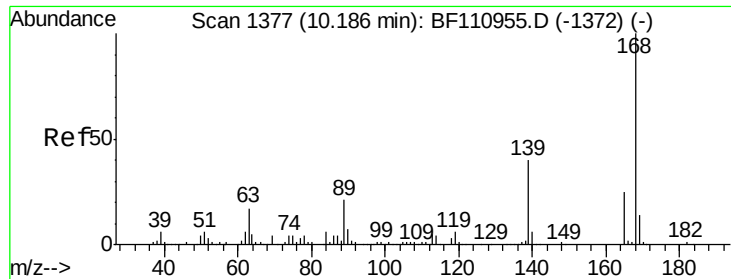
#56
4-Nitrophenol
Concen: 85.555 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.01 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Tgt Ion:139 Resp: 64765
Ion Ratio Lower Upper
139 100
109 74.7 55.8 95.8
65 102.3 77.9 117.9



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

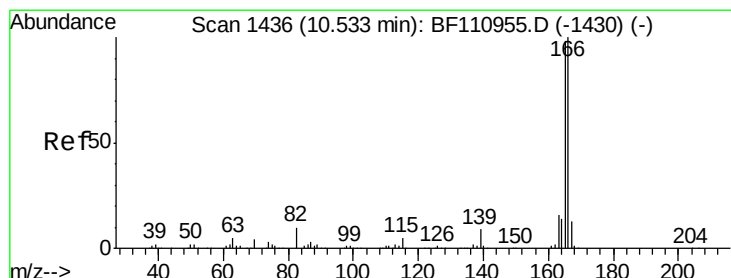
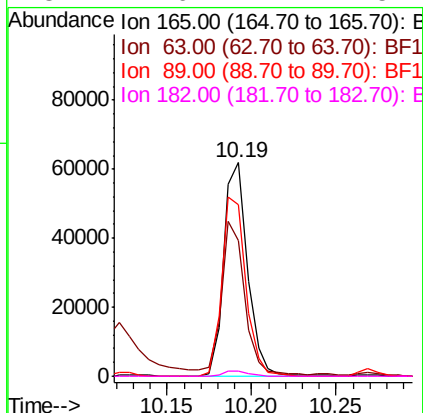
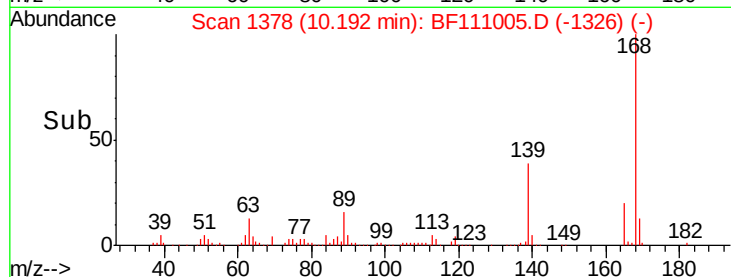
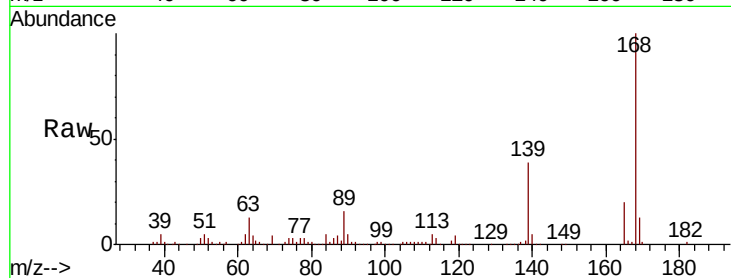




#57
2,4-Dinitrotoluene
Concen: 40.524 ng
RT: 10.19 min Scan# 1378
Delta R.T. 0.01 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

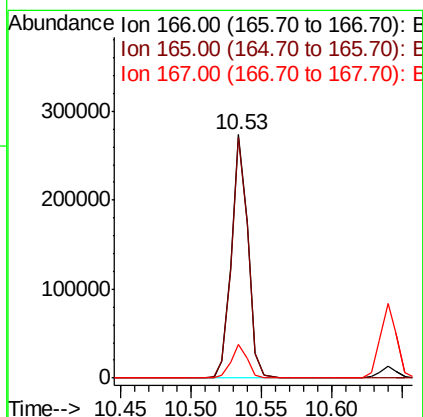
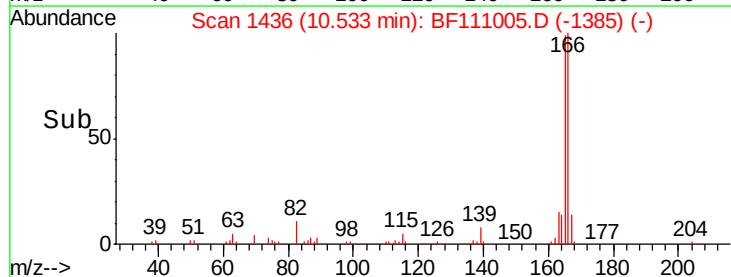
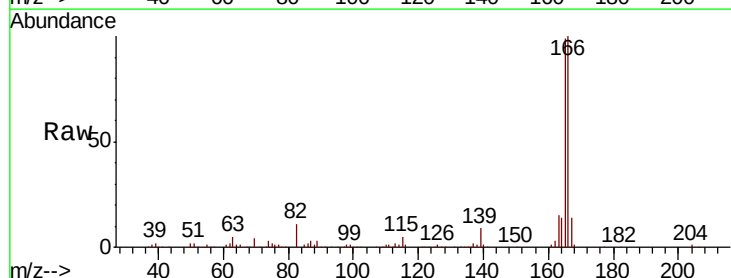
Instrument :
BNA_F
ClientSampleId :

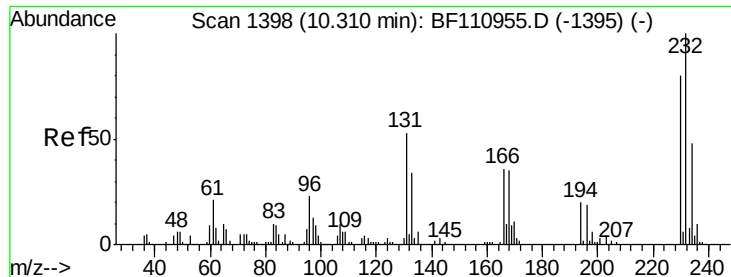
Tot Ion:165 Resp: 61206
Ion Ratio Lower Upper
165 100
63 63.7 44.8 67.2
89 80.2 62.2 93.4
182 2.6 2.1 3.1



#58
Fluorene
Concen: 44.995 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.00 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Tgt Ion:166 Resp: 221895
Ion Ratio Lower Upper
166 100
165 98.8 78.6 117.8
167 13.6 10.8 16.2

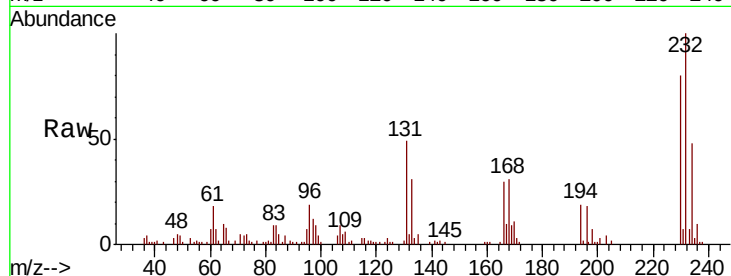




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 46.318 ng
 RT: 10.32 min Scan# 1399
 Delta R.T. 0.01 min
 Lab File: BF111005.D
 Acq: 27 Nov 2018 13:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
232	100		
131	51.1	37.0	55.4
130	2.1	1.8	2.6
166	31.6	22.0	33.0



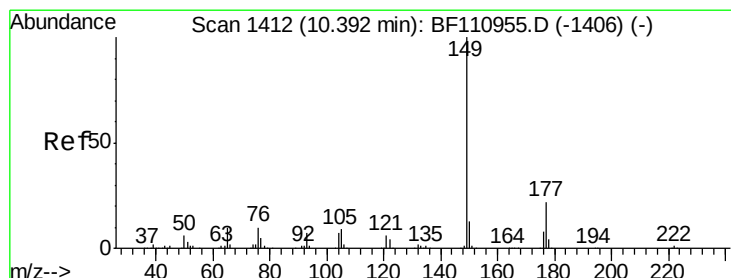
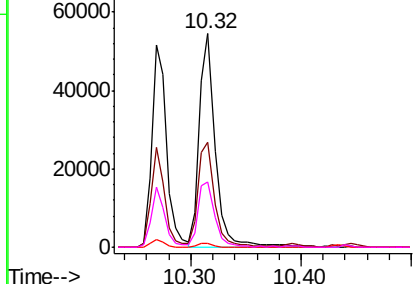
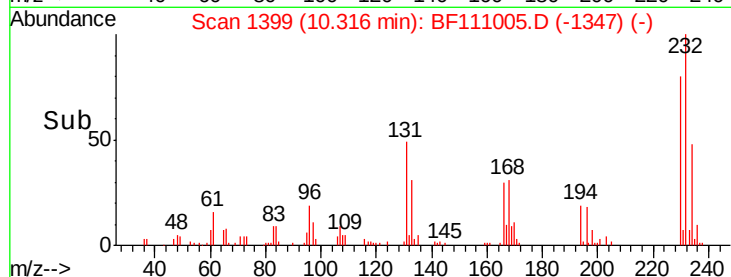
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

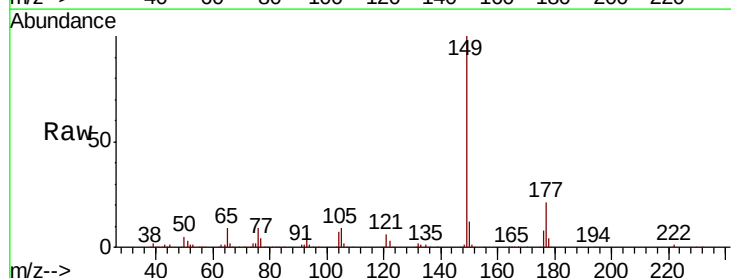
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
 Diethylphthalate
 Concen: 43.859 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. -0.00 min
 Lab File: BF111005.D
 Acq: 27 Nov 2018 13:10

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.4	26.2
150	11.9	9.8	14.8

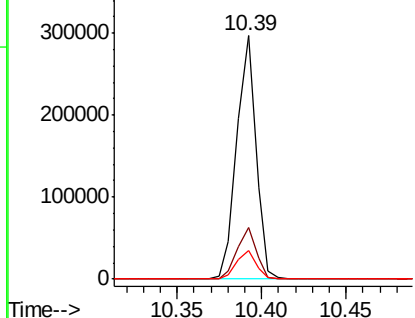
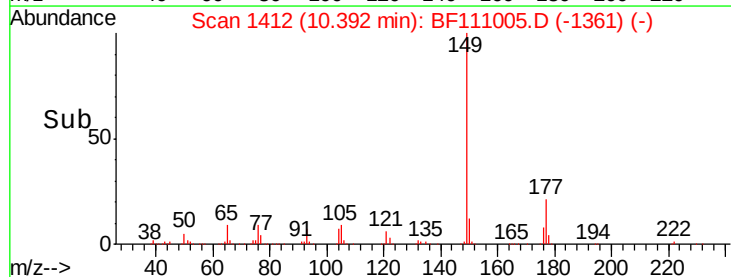


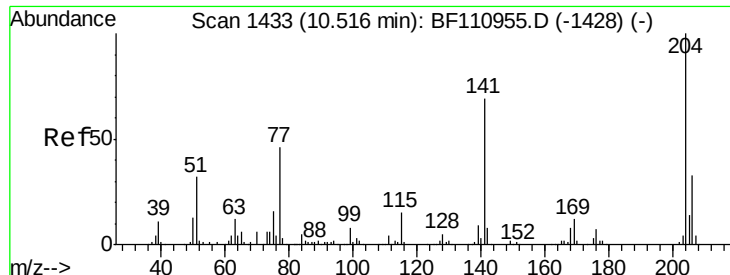
Abundance

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

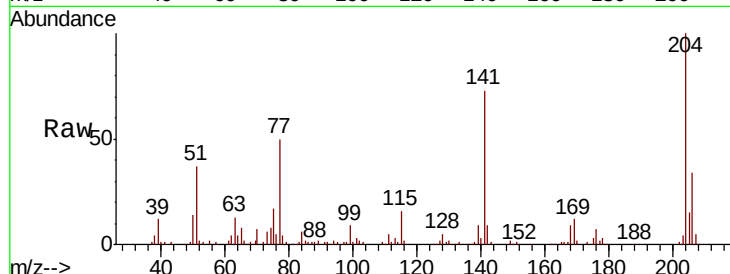




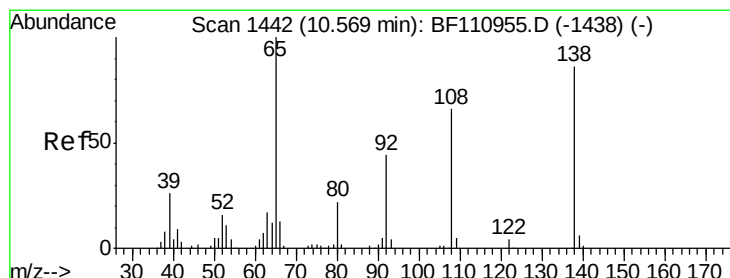
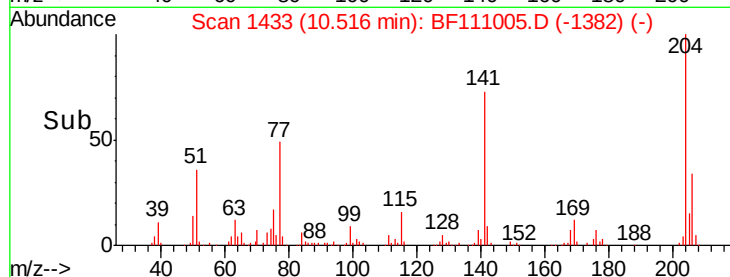
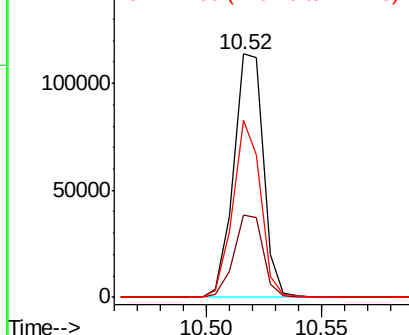
#61
4-Chlorophenyl-phenylether
Concen: 39.671 ng
RT: 10.52 min Scan# 1433
Delta R.T. -0.00 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:204 Resp: 102330
Ion Ratio Lower Upper
204 100
206 34.0 26.5 39.7
141 73.0 51.8 77.8

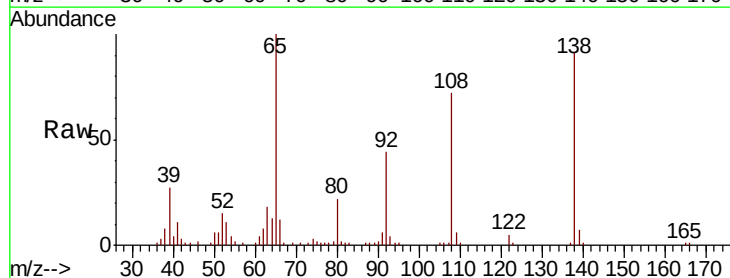


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

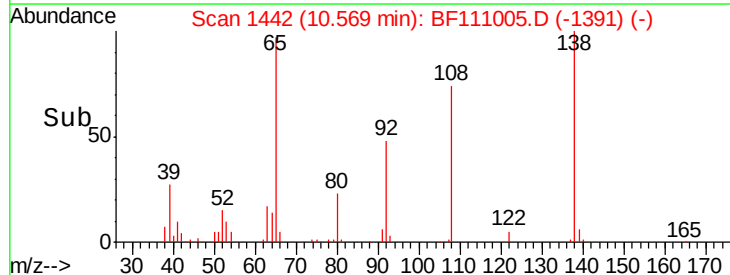
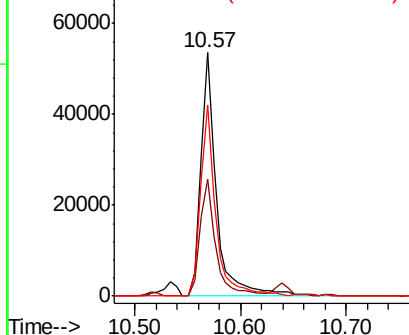


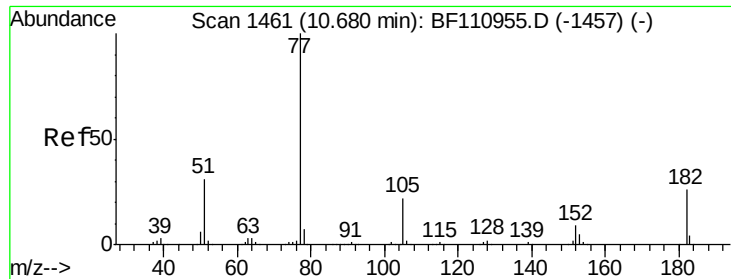
#62
4-Nitroaniline
Concen: 43.193 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.00 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Tgt Ion:138 Resp: 54566
Ion Ratio Lower Upper
138 100
92 47.8 31.7 71.7
108 78.5 59.3 99.3



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

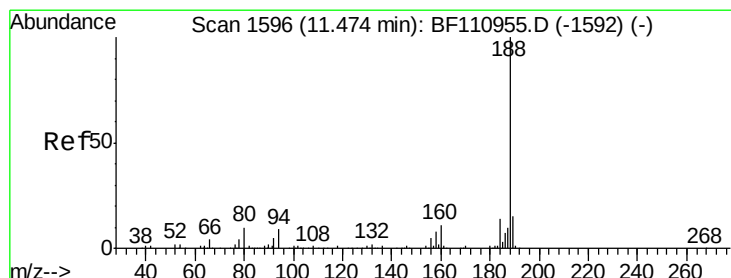
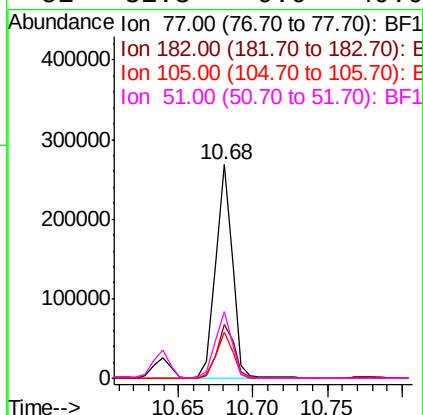
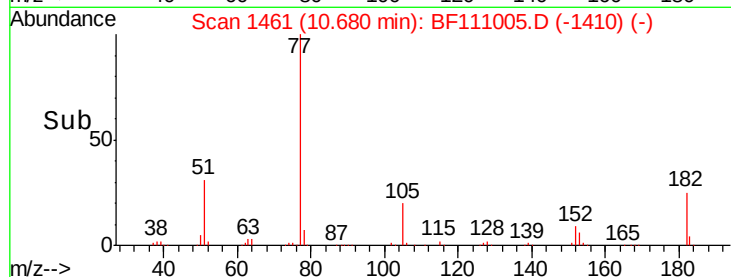
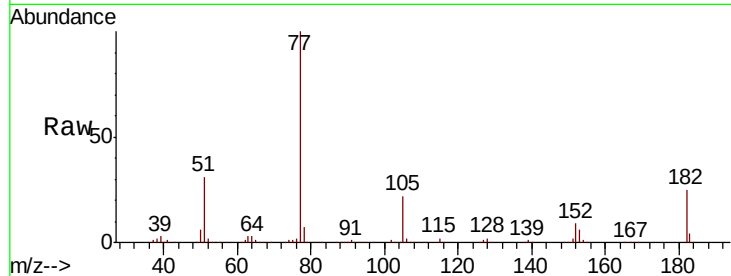




#63
Azobenzene
Concen: 39.929 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.00 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

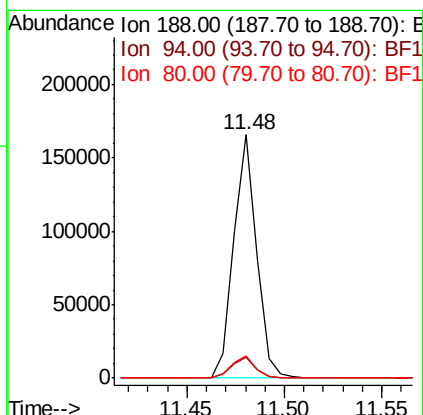
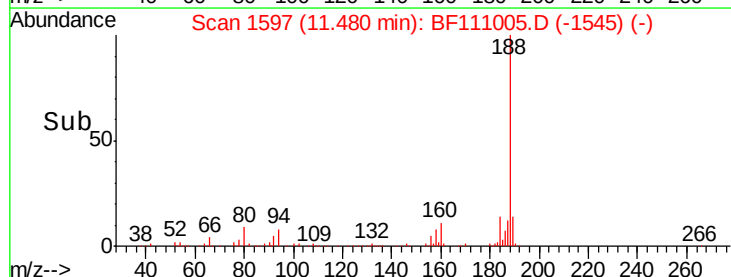
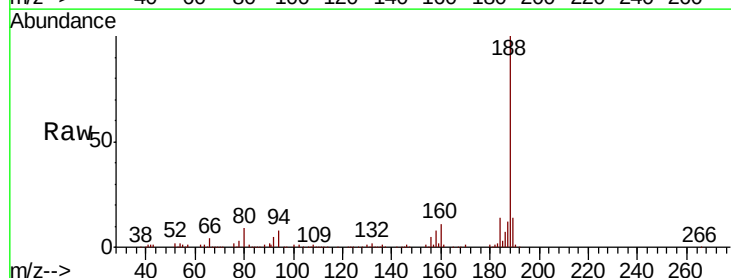
Instrument :
BNA_F
ClientSampleId :

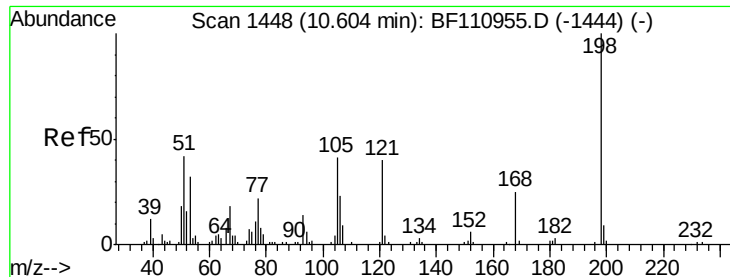
Tot Ion:	77	Resp:	209870
Ion	Ratio	Lower	Upper
77	100		
182	25.0	4.3	44.3
105	21.9	1.3	41.3
51	31.3	9.0	49.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. 0.01 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Tgt Ion:	188	Resp:	134945
Ion	Ratio	Lower	Upper
188	100		
94	8.4	7.2	10.8
80	9.1	7.9	11.9

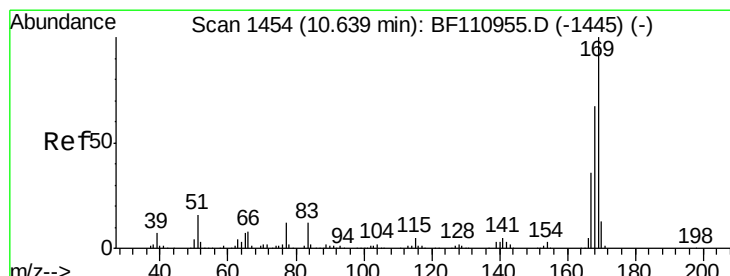
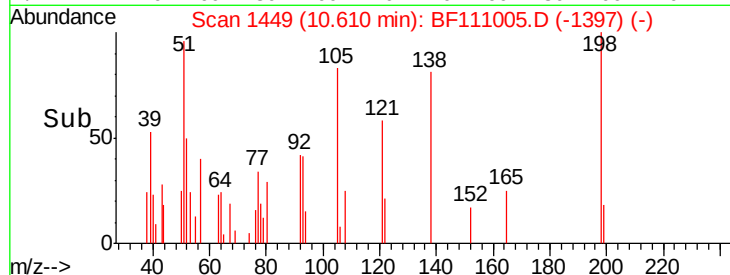
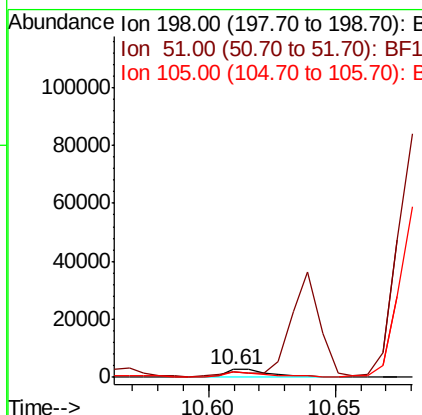
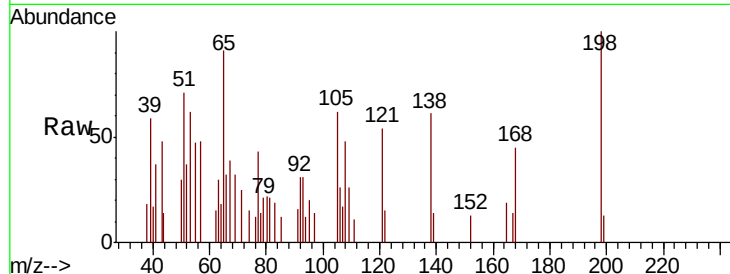




#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.353 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. 0.01 min
 Lab File: BF111005.D
 Acq: 27 Nov 2018 13:10

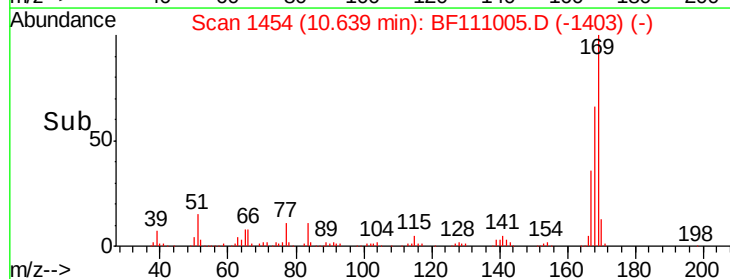
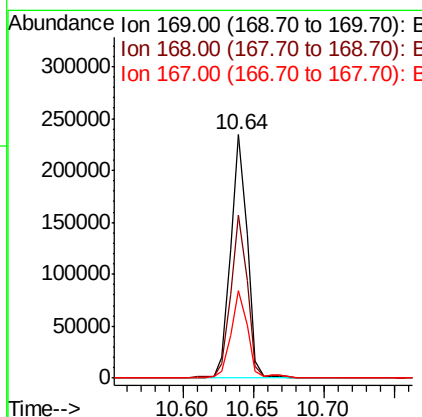
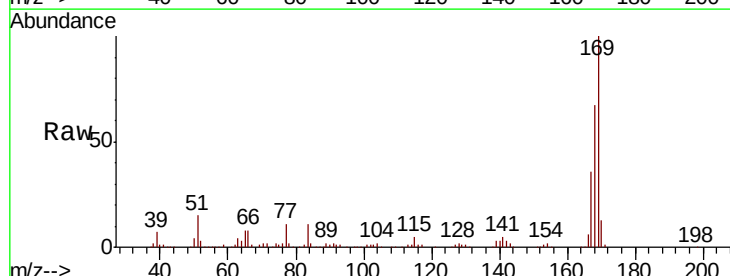
Instrument :
 BNA_F
 ClientSampleId :

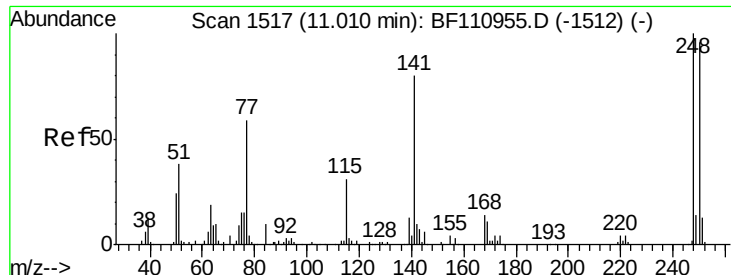
Tot Ion:198 Resp: 3417
 Ion Ratio Lower Upper
 198 100
 51 71.3 22.8 62.8#
 105 61.8 23.6 63.6



#66
 n-Nitrosodiphenylamine
 Concen: 42.545 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF111005.D
 Acq: 27 Nov 2018 13:10

Tgt Ion:169 Resp: 191124
 Ion Ratio Lower Upper
 169 100
 168 66.7 51.2 76.8
 167 35.9 27.8 41.6

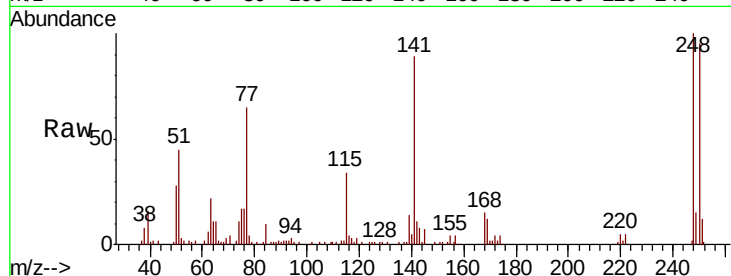




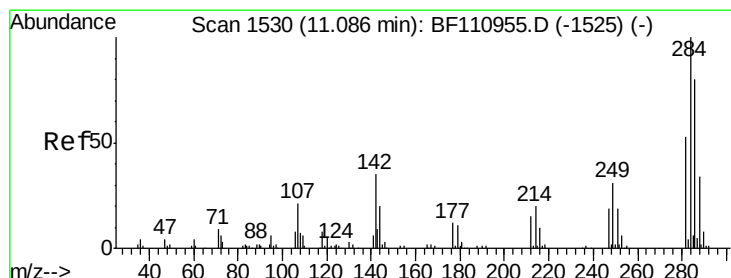
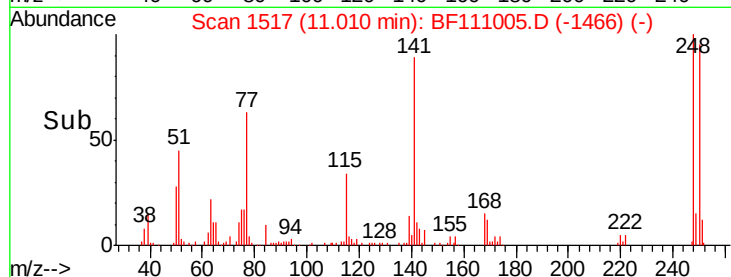
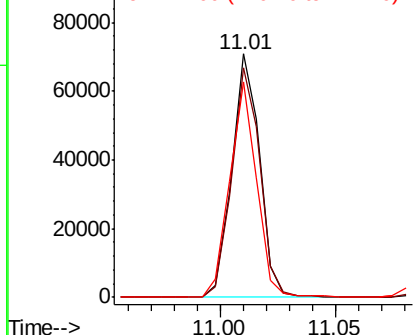
#67
4-Bromophenyl-phenylether
Concen: 40.321 ng
RT: 11.01 min Scan# 1517
Delta R.T. -0.00 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 59258
Ion Ratio Lower Upper
248 100
250 94.5 79.4 119.2
141 88.6 55.9 83.9#

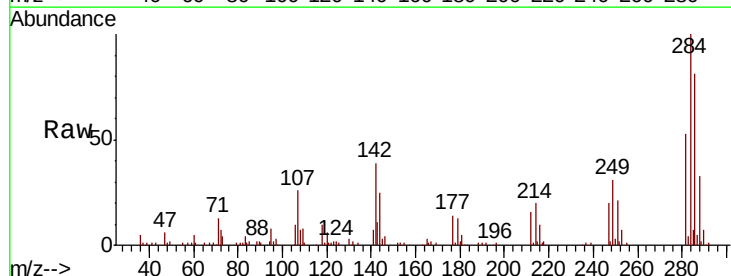


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

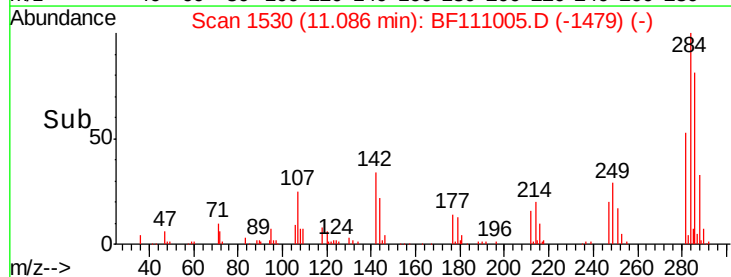
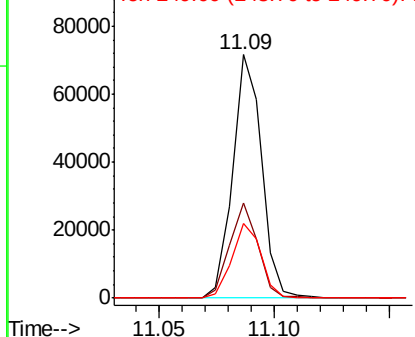


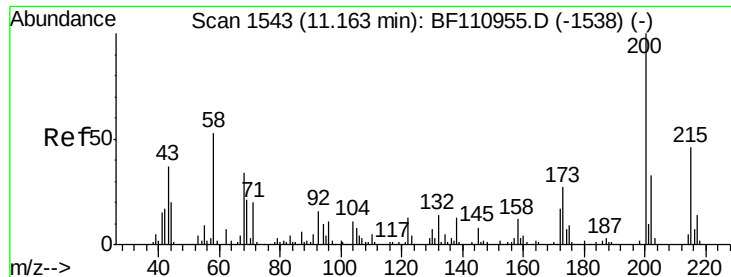
#68
Hexachlorobenzene
Concen: 39.845 ng
RT: 11.09 min Scan# 1530
Delta R.T. -0.00 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Tgt Ion:284 Resp: 62373
Ion Ratio Lower Upper
284 100
142 39.2 23.9 35.9#
249 30.9 24.2 36.2



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

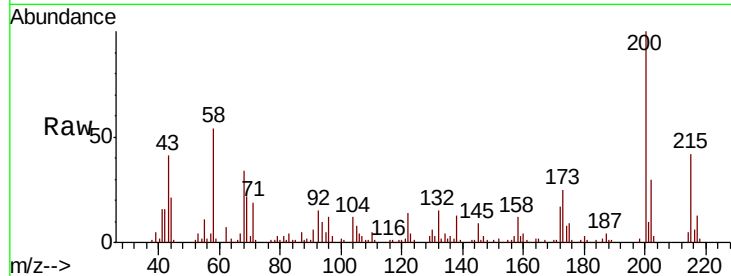




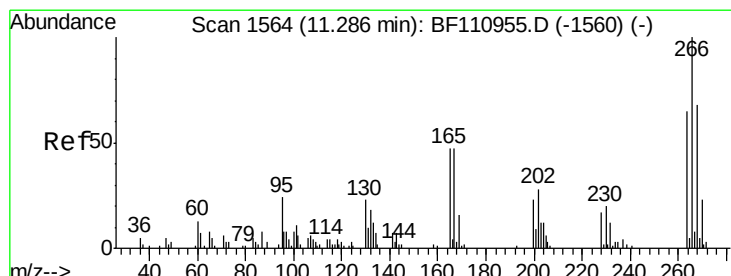
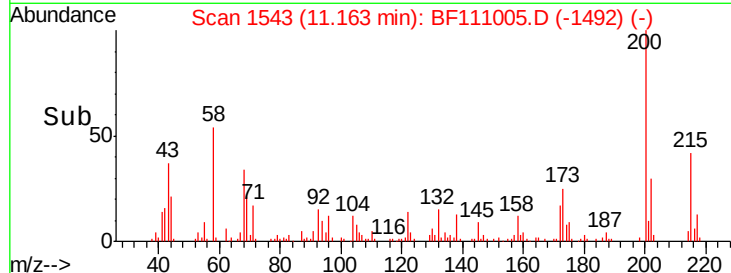
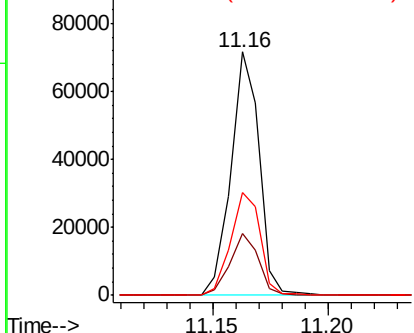
#69
 Atrazine
 Concen: 52.773 ng
 RT: 11.16 min Scan# 1543
 Delta R.T. 0.00 min
 Lab File: BF111005.D
 Acq: 27 Nov 2018 13:10

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:200 Resp: 61010
 Ion Ratio Lower Upper
 200 100
 173 25.3 6.6 46.6
 215 42.4 26.3 66.3

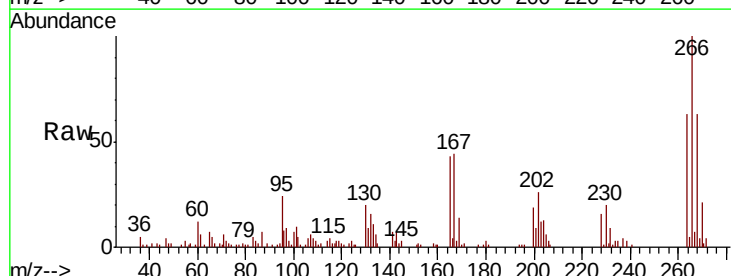


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

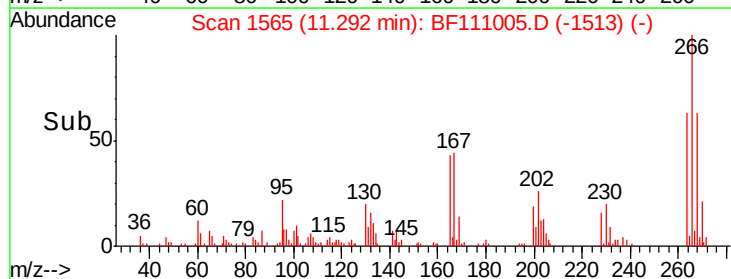
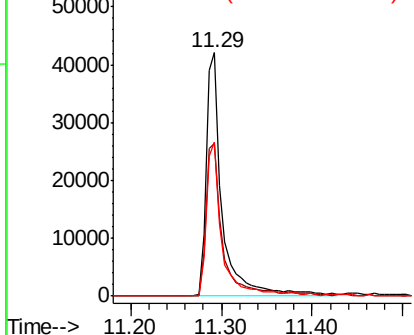


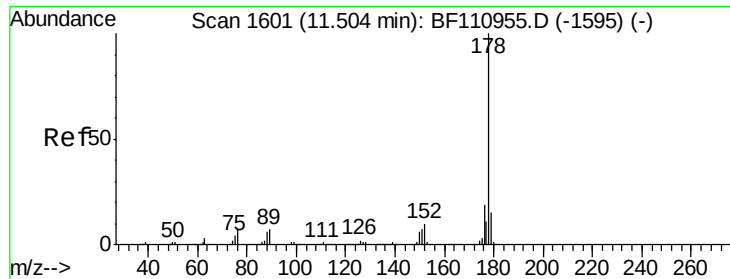
#70
 Pentachlorophenol
 Concen: 84.938 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: BF111005.D
 Acq: 27 Nov 2018 13:10

Tgt Ion:266 Resp: 52899
 Ion Ratio Lower Upper
 266 100
 268 62.7 50.6 75.8
 264 63.5 50.6 75.8



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: 53.163 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.00 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

Instrument :

BNA_F

ClientSampleId :

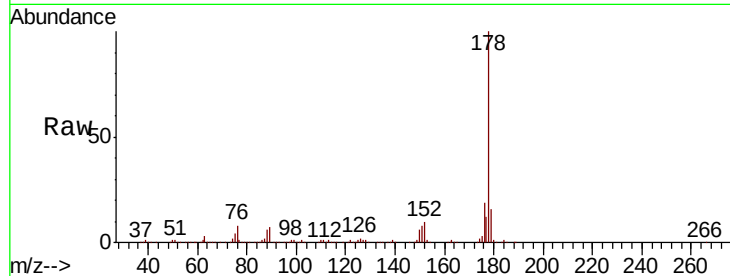
Tot Ion:178 Resp: 379962

Ion Ratio Lower Upper

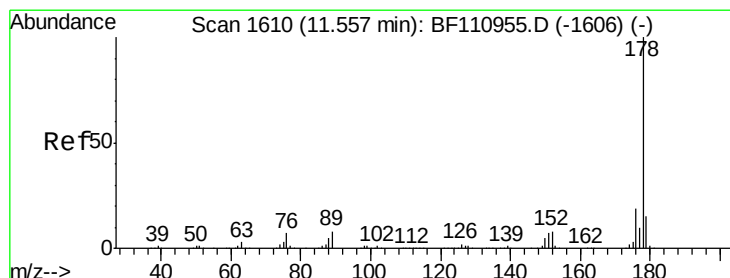
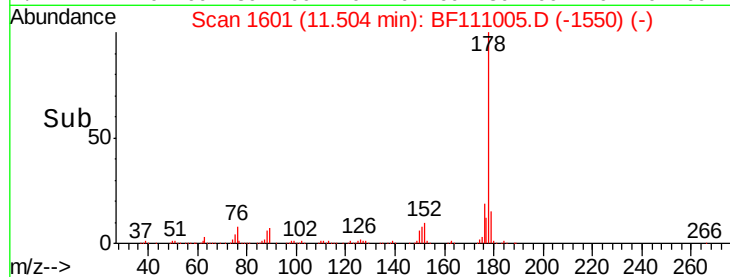
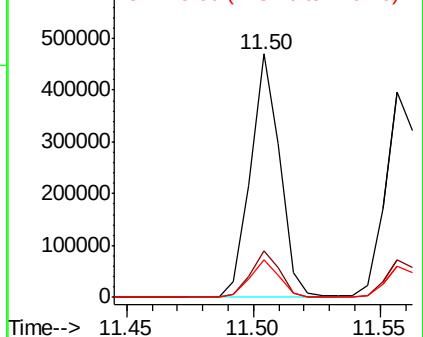
178 100

176 19.1 15.5 23.3

179 15.5 12.5 18.7



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: 49.580 ng

RT: 11.56 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

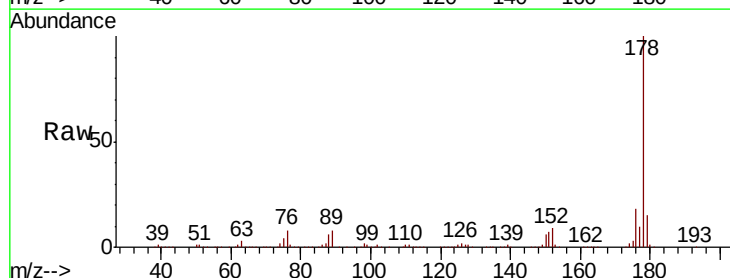
Tgt Ion:178 Resp: 360867

Ion Ratio Lower Upper

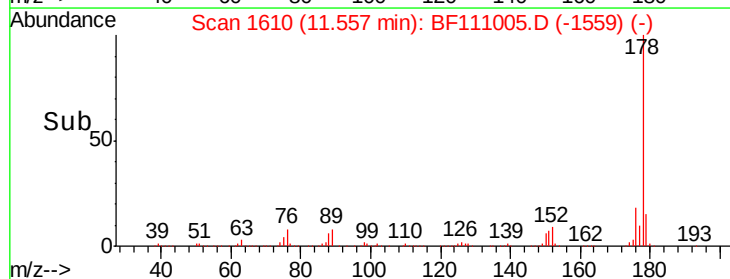
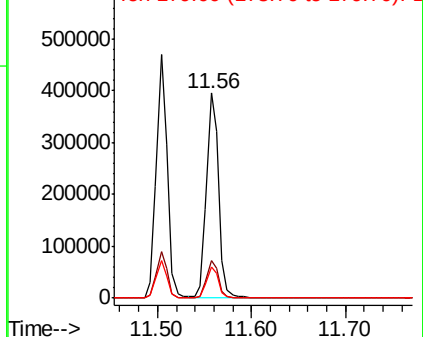
178 100

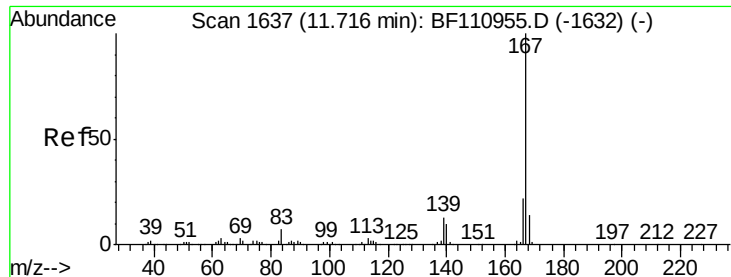
176 18.2 15.4 23.2

179 15.0 12.6 18.8



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

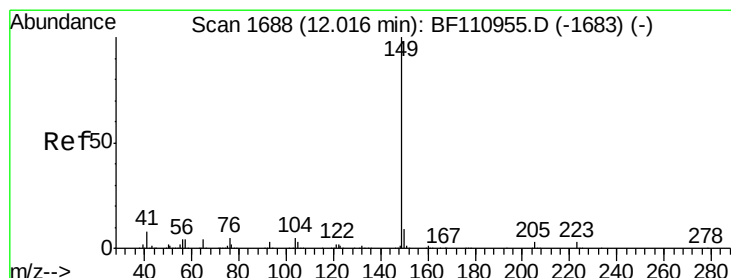
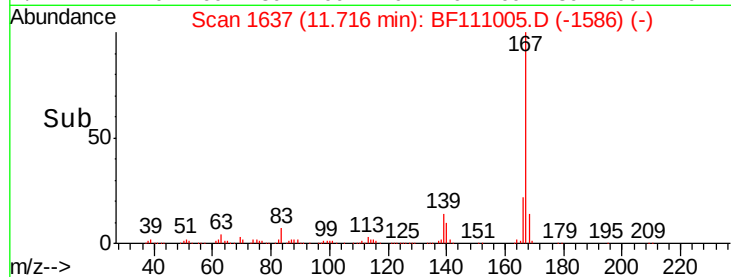
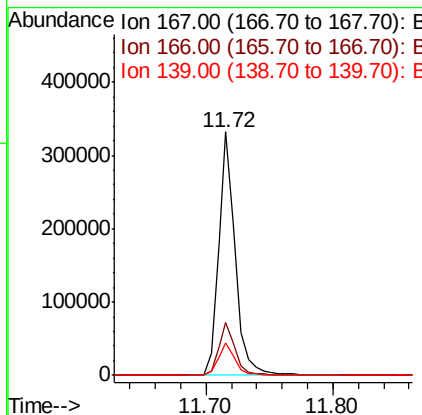
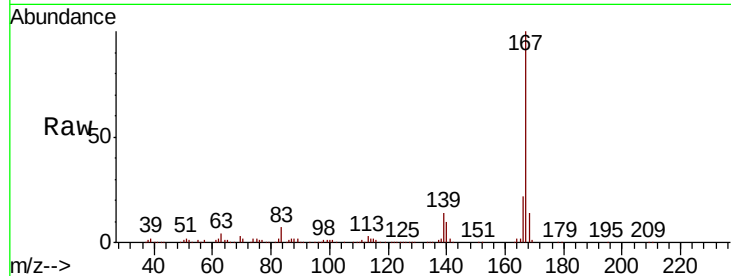




#73
 Carbazole
 Concen: 43.195 ng
 RT: 11.72 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: BF111005.D
 Acq: 27 Nov 2018 13:10

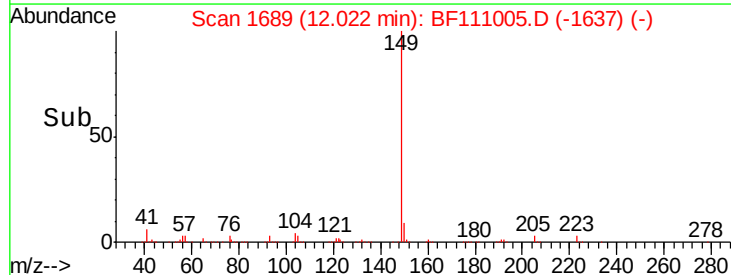
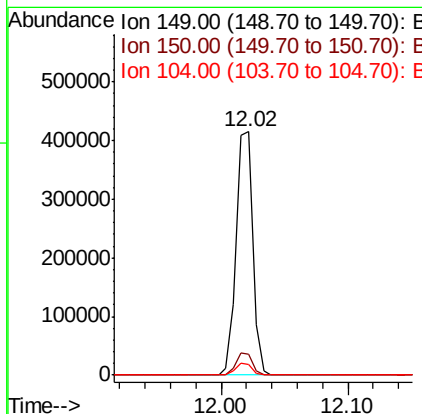
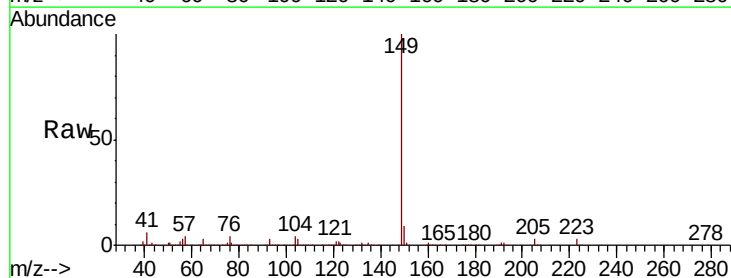
Instrument :
 BNA_F
 ClientSampleId :

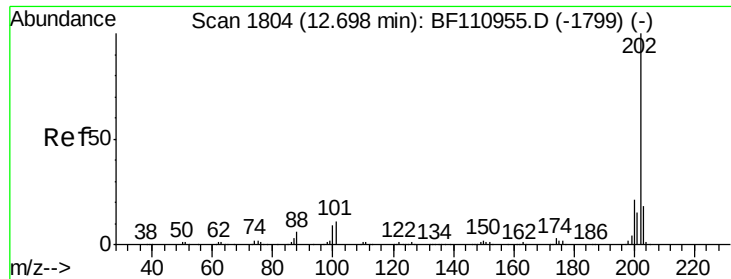
Tot Ion:167 Resp: 305161
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.4 26.0
 139 13.5 10.9 16.3



#74
 Di-n-butylphthalate
 Concen: 45.115 ng
 RT: 12.02 min Scan# 1689
 Delta R.T. 0.01 min
 Lab File: BF111005.D
 Acq: 27 Nov 2018 13:10

Tgt Ion:149 Resp: 372647
 Ion Ratio Lower Upper
 149 100
 150 8.7 7.7 11.5
 104 4.5 4.2 6.4





#75

Fluoranthene

Concen: 65.709 ng

RT: 12.70 min Scan# 1805

Delta R.T. 0.01 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

Instrument :

BNA_F

ClientSampleId :

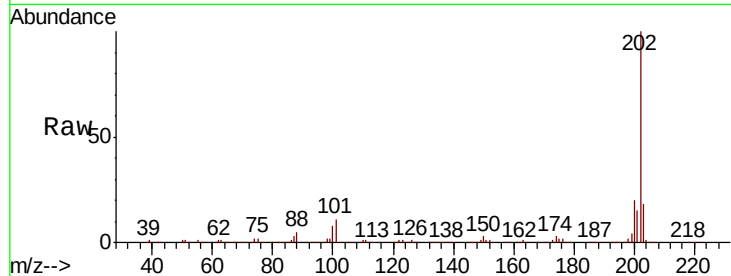
Tot Ion:202 Resp: 482676

Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.4

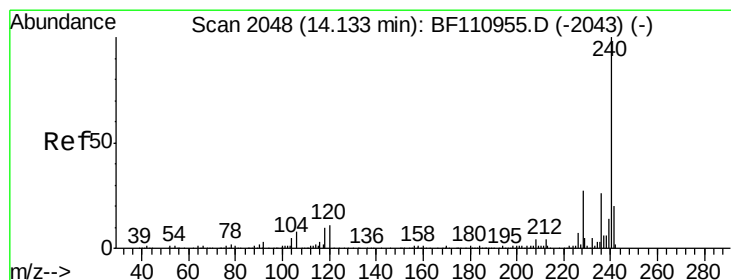
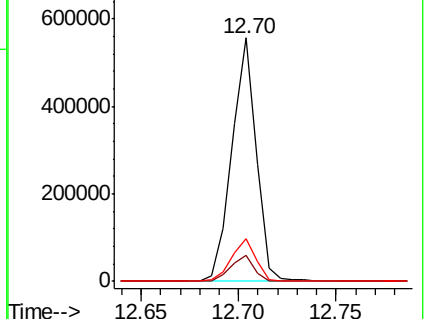
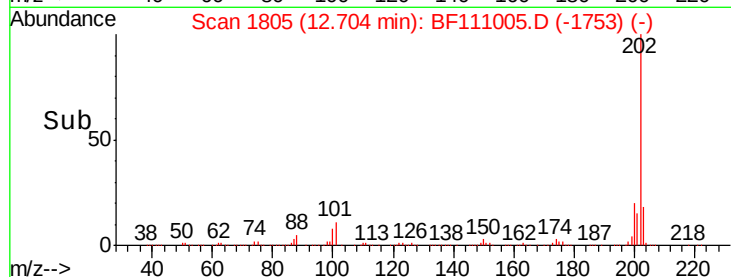
203 17.8 0.0 37.7



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: 14.14 min Scan# 2049

Delta R.T. 0.01 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

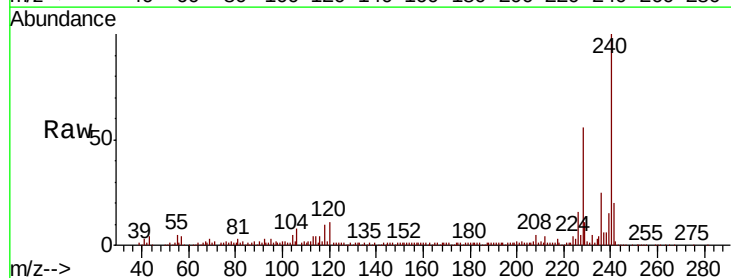
Tgt Ion:240 Resp: 103874

Ion Ratio Lower Upper

240 100

120 11.0 8.3 12.5

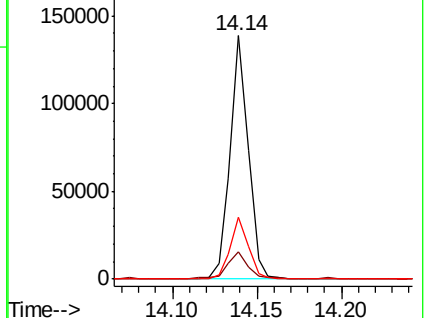
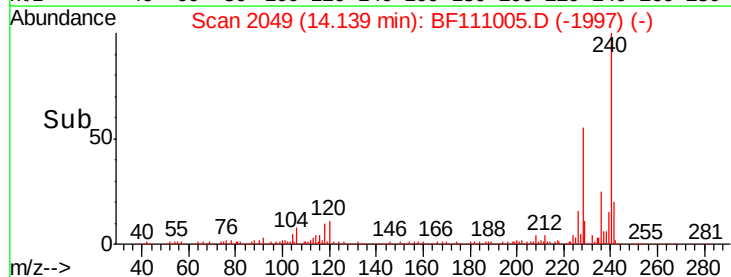
236 25.3 21.2 31.8

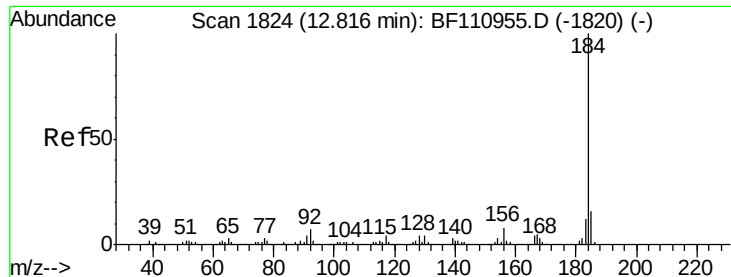


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 44.685 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.01 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

Instrument :

BNA_F

ClientSampleId :

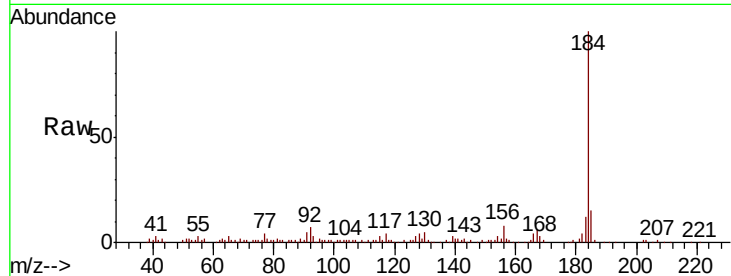
Tot Ion:184 Resp: 118722

Ion Ratio Lower Upper

184 100

185 14.8 13.4 20.2

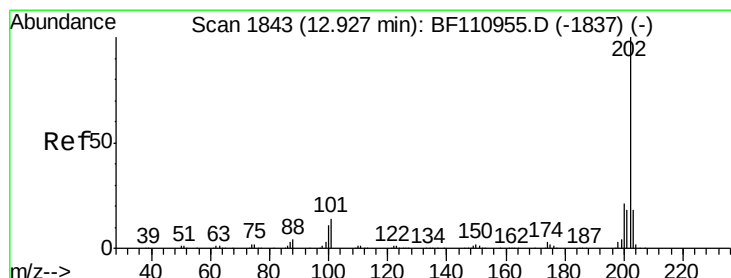
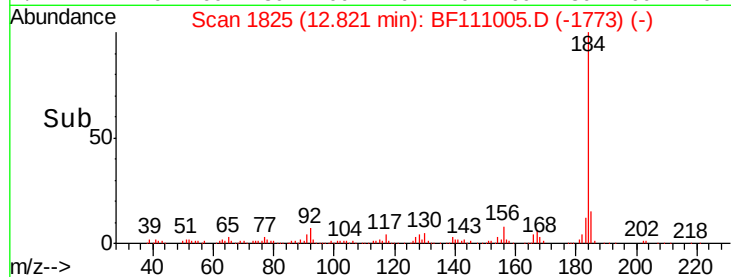
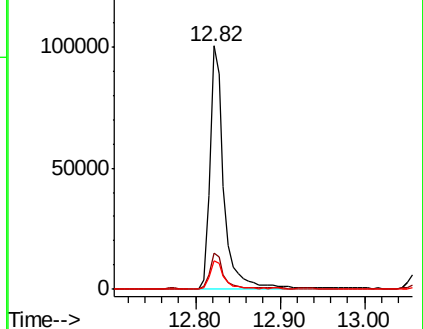
183 11.9 9.4 14.2



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: 63.416 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.01 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

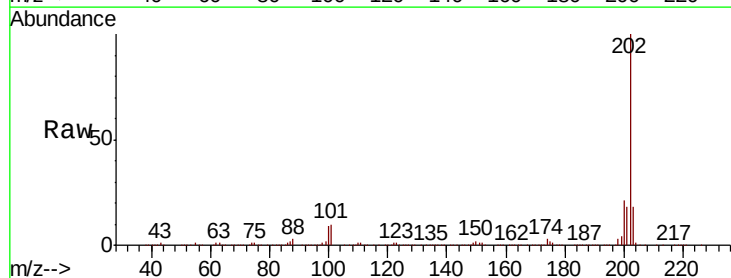
Tgt Ion:202 Resp: 481120

Ion Ratio Lower Upper

202 100

200 21.0 17.8 26.6

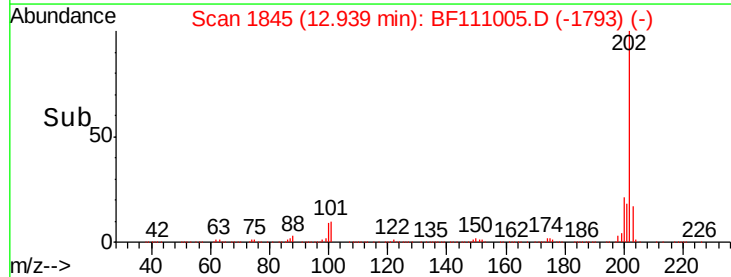
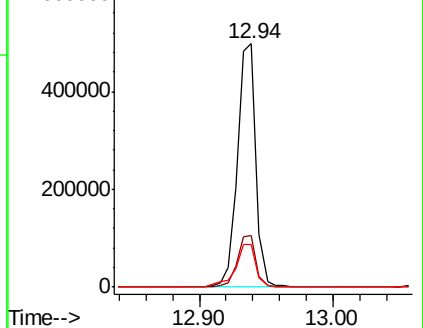
203 17.5 14.2 21.4

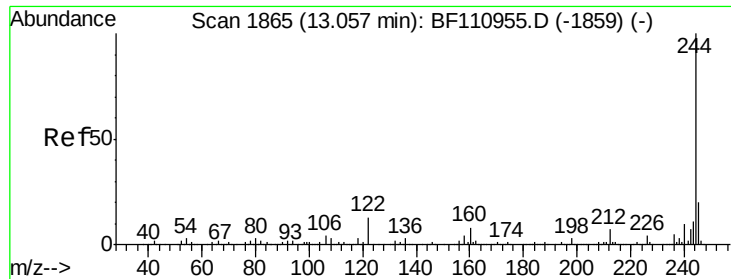


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 96.767 ng

RT: 13.06 min Scan# 1866

Delta R.T. 0.01 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

Instrument :

BNA_F

ClientSampleId :

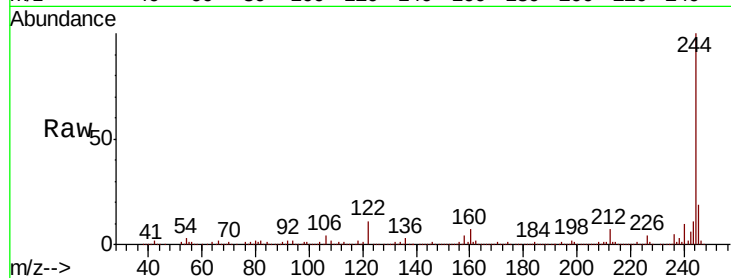
Tot Ion:244 Resp: 516355

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

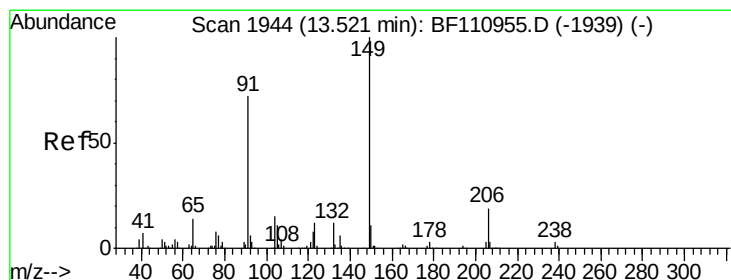
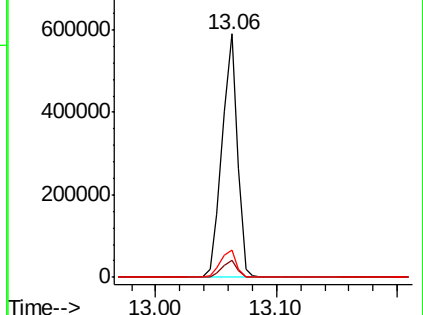
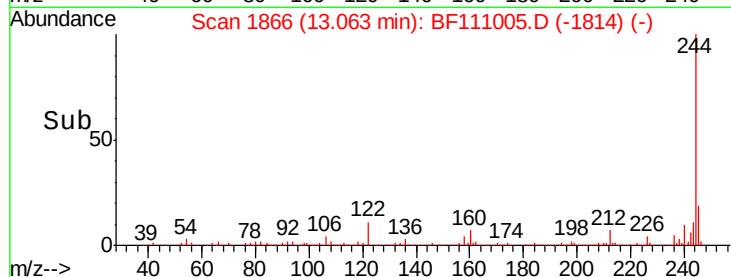
122 11.0 8.7 13.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 51.634 ng

RT: 13.53 min Scan# 1945

Delta R.T. 0.01 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

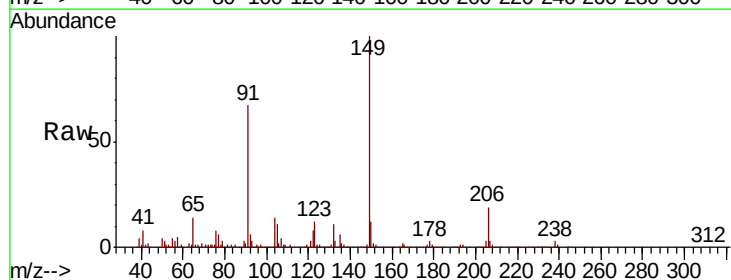
Tgt Ion:149 Resp: 176860

Ion Ratio Lower Upper

149 100

91 66.6 57.2 85.8

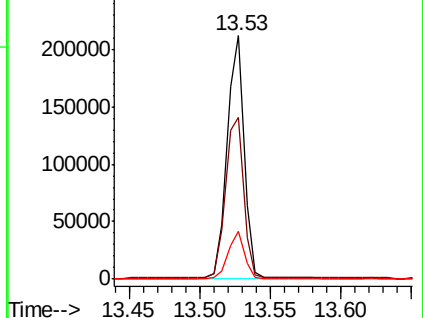
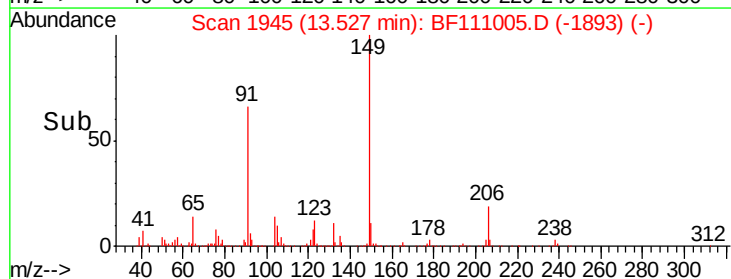
206 19.5 15.7 23.5

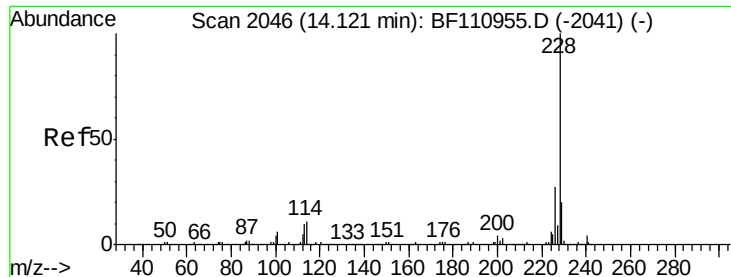


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 55.112 ng

RT: 14.13 min Scan# 2047

Delta R.T. 0.01 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

Instrument :

BNA_F

ClientSampleId :

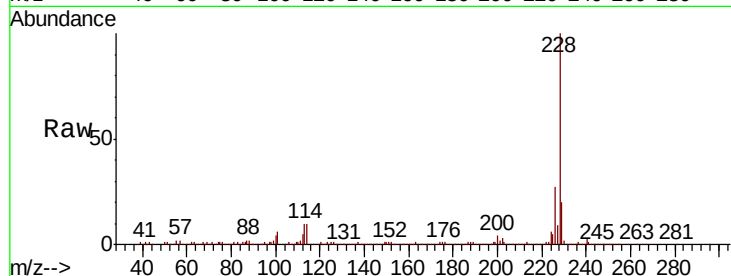
Tot Ion:228 Resp: 337979

Ion Ratio Lower Upper

228 100

226 27.1 22.1 33.1

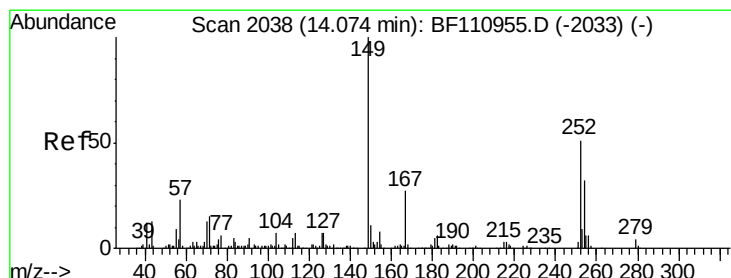
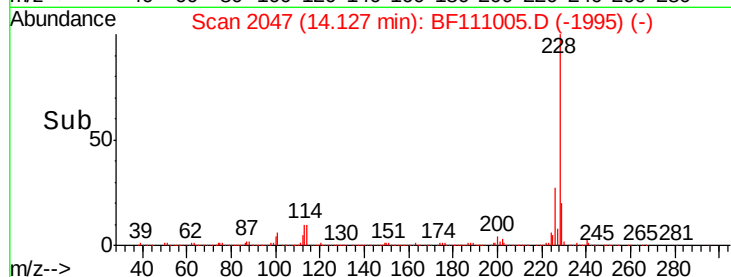
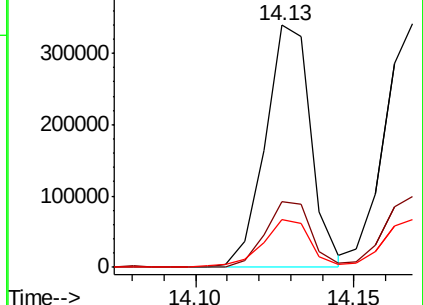
229 19.9 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 38.683 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.01 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

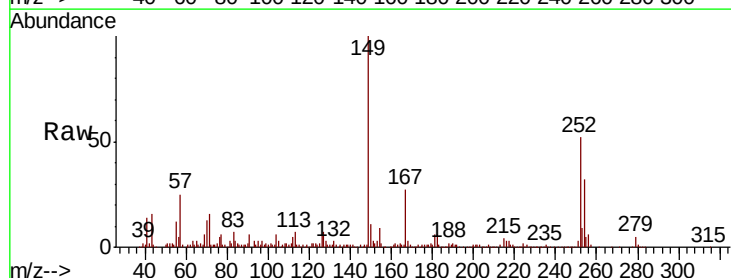
Tgt Ion:252 Resp: 81343

Ion Ratio Lower Upper

252 100

254 61.6 51.3 76.9

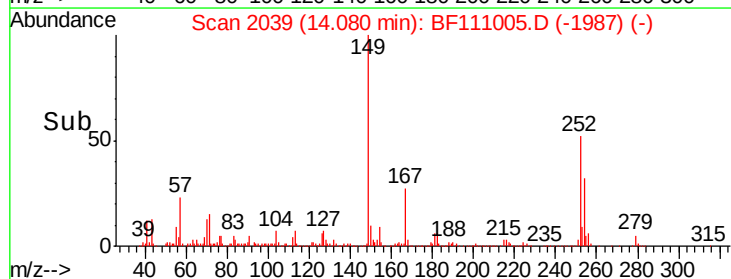
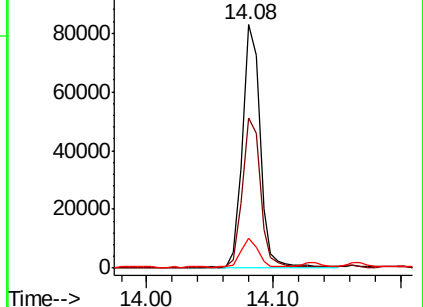
126 12.2 9.4 14.2

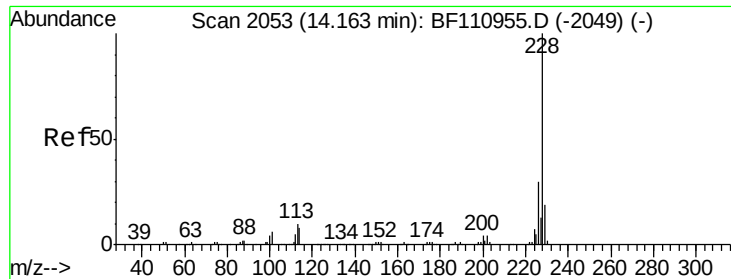


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 51.607 ng

RT: 14.17 min Scan# 2054

Delta R.T. 0.01 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

Instrument :

BNA_F

ClientSampled :

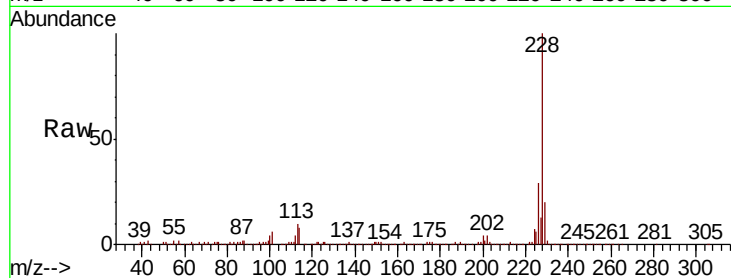
Tot Ion:228 Resp: 311554

Ion Ratio Lower Upper

228 100

226 29.1 24.7 37.1

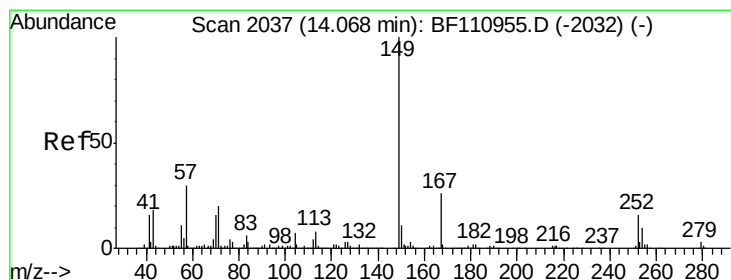
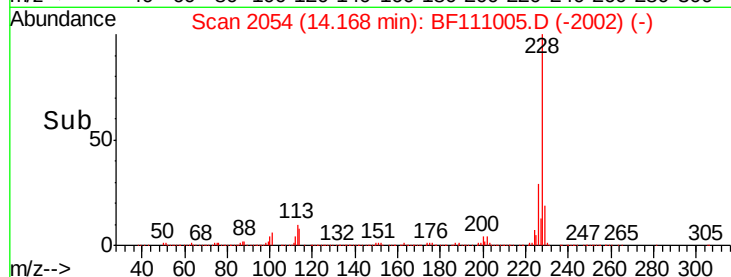
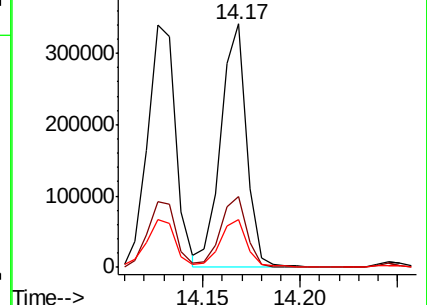
229 19.6 15.9 23.9



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: 51.024 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.01 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

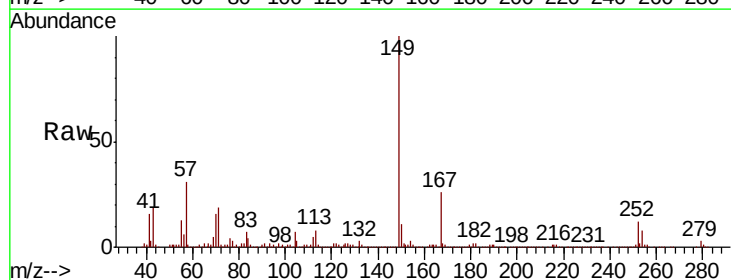
Tgt Ion:149 Resp: 232877

Ion Ratio Lower Upper

149 100

167 26.4 19.8 29.8

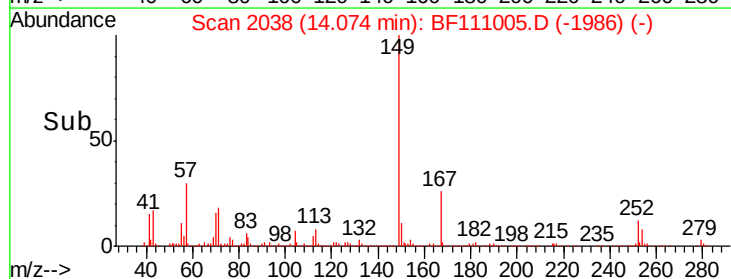
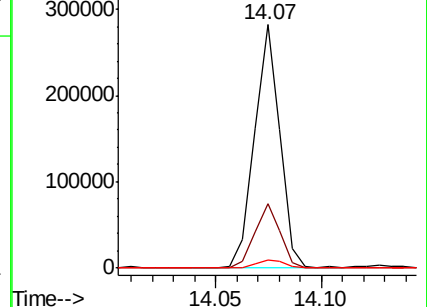
279 3.4 2.7 4.1

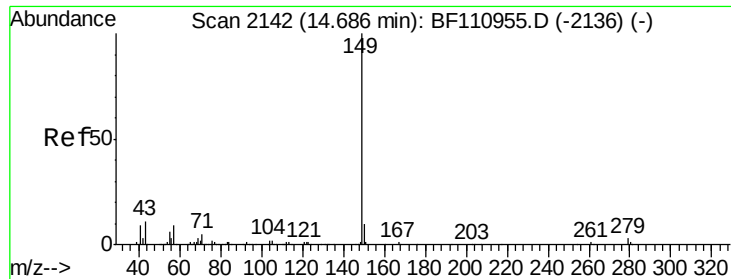


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 50.375 ng

RT: 14.69 min Scan# 2143

Delta R.T. 0.01 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

Instrument :

BNA_F

ClientSampleId :

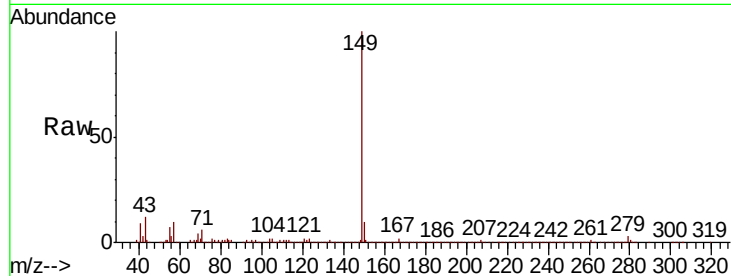
Tot Ion:149 Resp: 362926

Ion Ratio Lower Upper

149 100

167 1.6 1.1 1.7

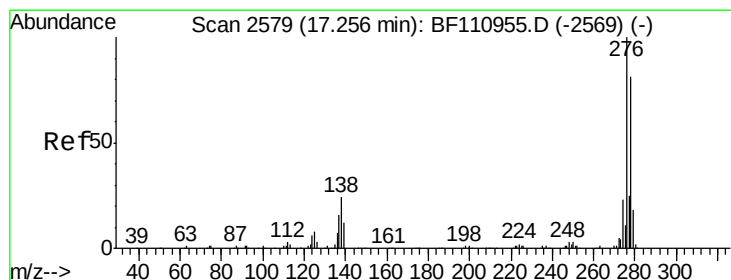
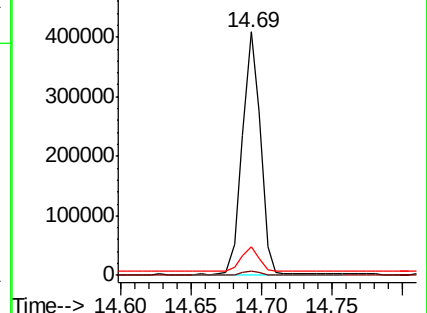
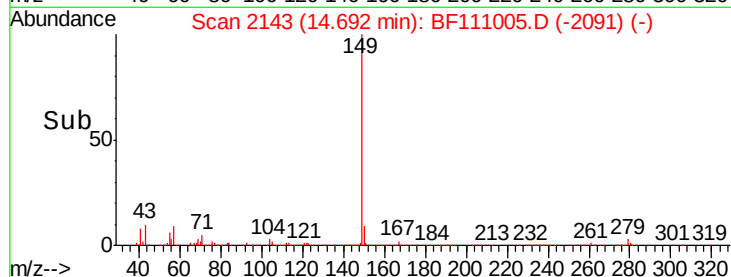
43 10.3 7.8 11.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 48.983 ng

RT: 17.28 min Scan# 2583

Delta R.T. 0.03 min

Lab File: BF111005.D

Acq: 27 Nov 2018 13:10

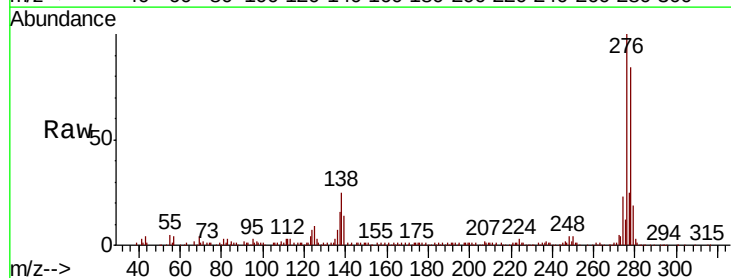
Tgt Ion:276 Resp: 212259

Ion Ratio Lower Upper

276 100

138 23.6 18.5 27.7

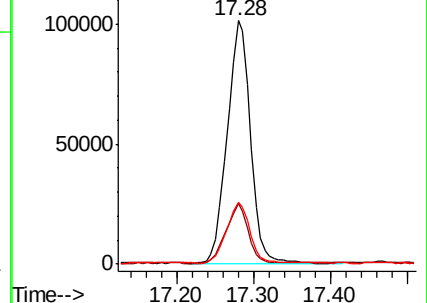
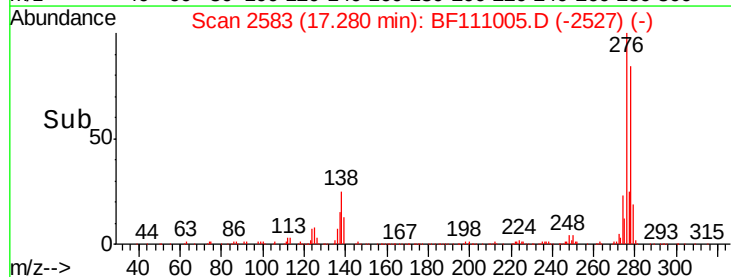
277 25.0 20.0 30.0

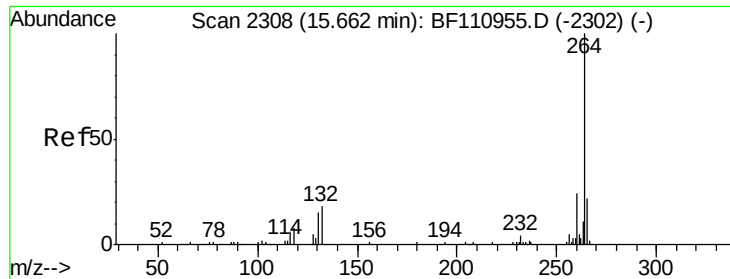


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



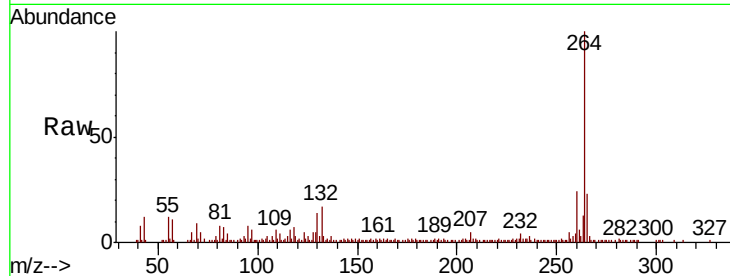


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2311
Delta R.T. 0.01 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

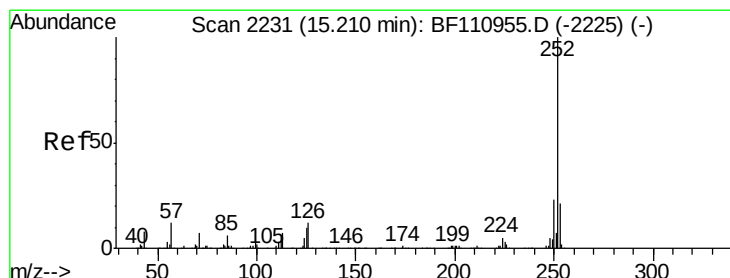
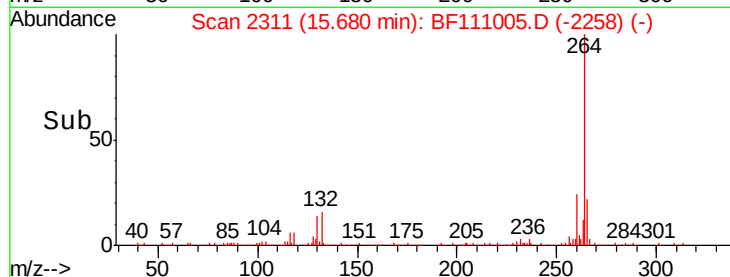
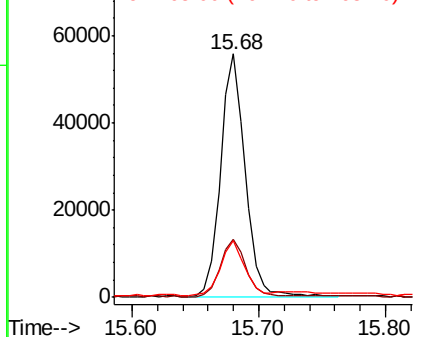
Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 75868

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	23.1	16.7	25.1



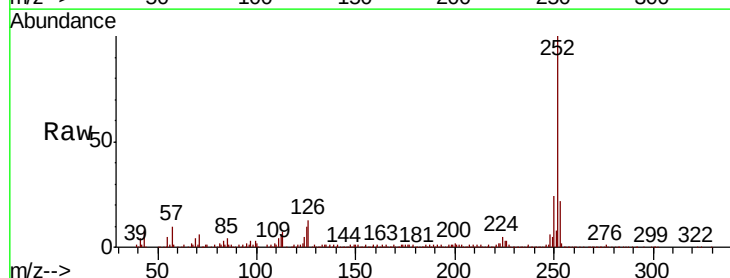
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



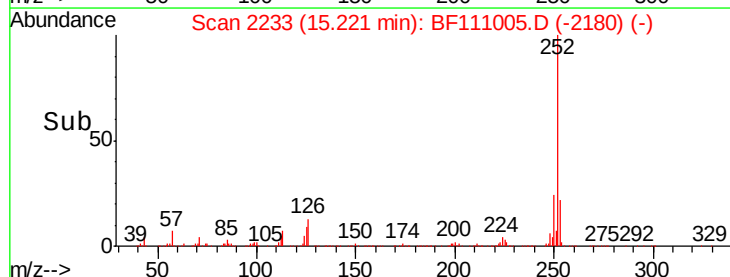
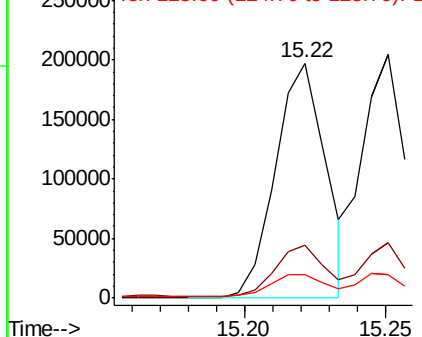
#88
Benzo(b)fluoranthene
Concen: 54.331 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

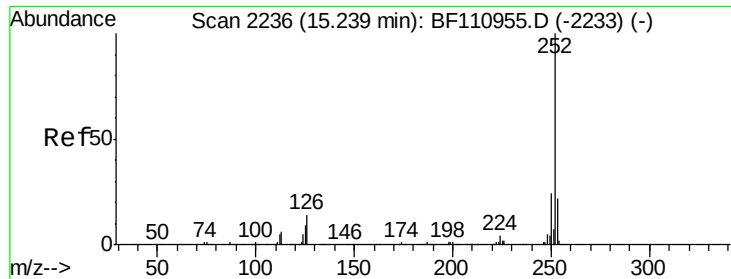
Tgt Ion:252 Resp: 242150

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	10.1	8.2	12.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

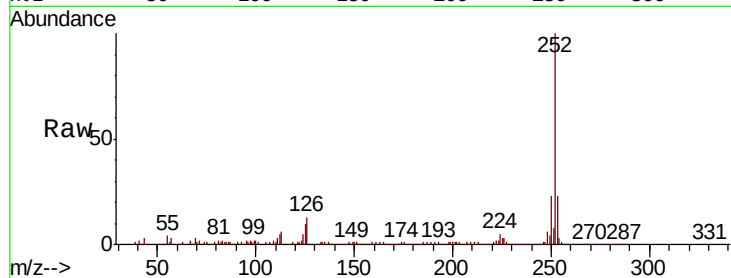




#89
Benzo(k)fluoranthene
Concen: 47.687 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.01 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	9.9	7.4	11.0

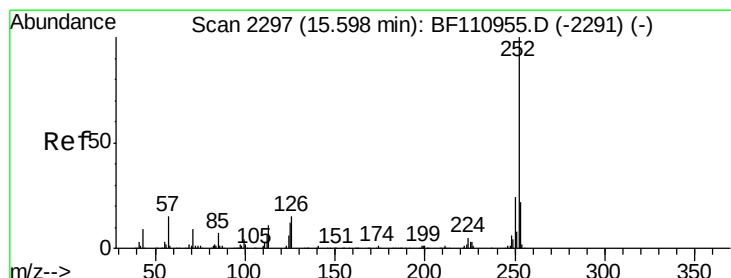
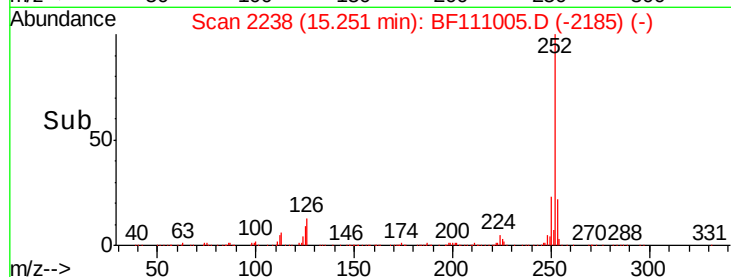
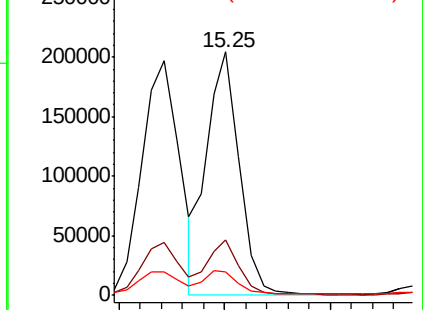


Abundance

Ion 252.00 (251.70 to 252.70): E

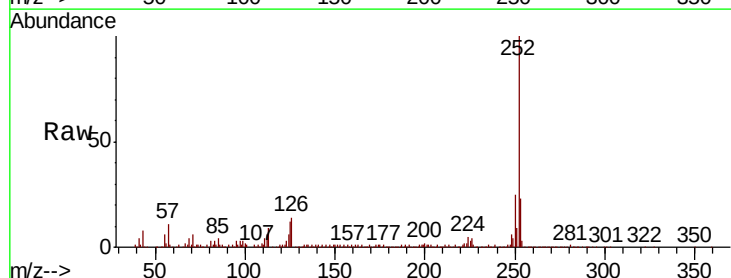
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 52.286 ng
RT: 15.62 min Scan# 2300
Delta R.T. 0.01 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.4
125	12.0	9.0	13.6

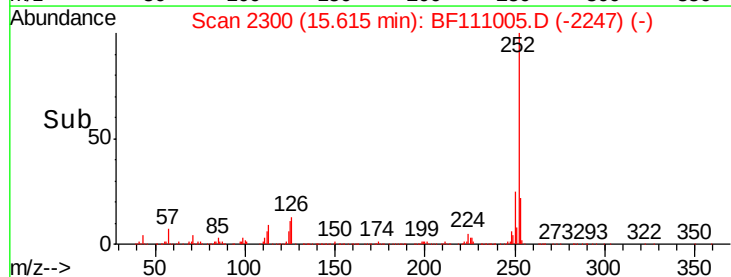
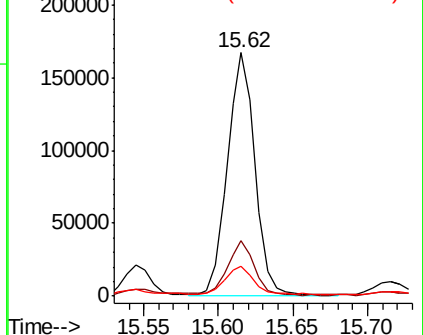


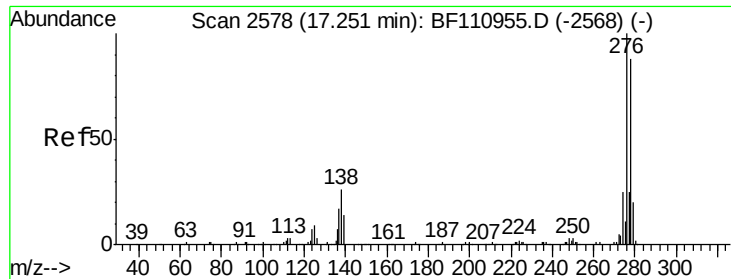
Abundance

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

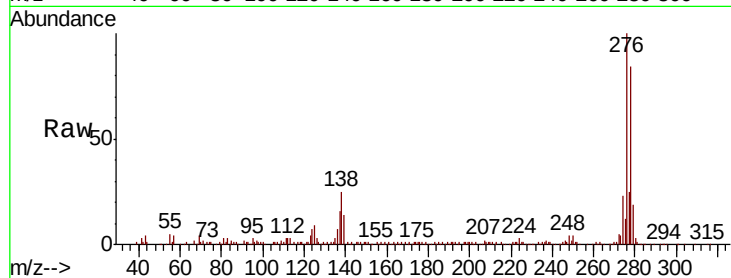




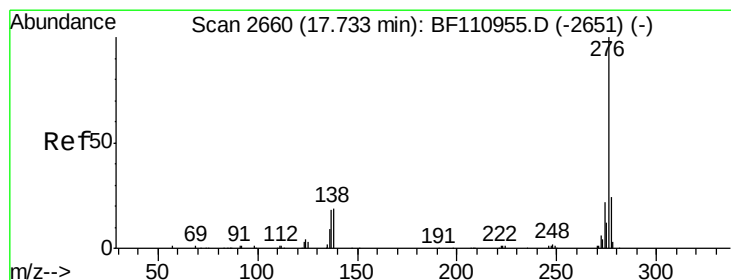
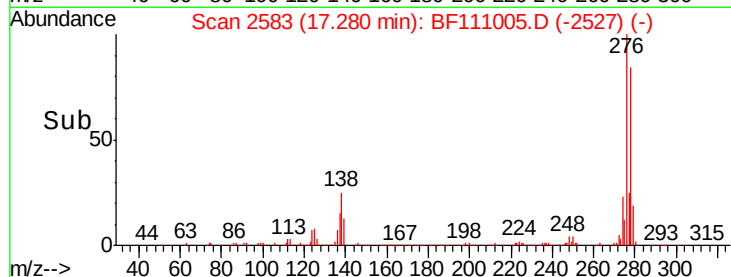
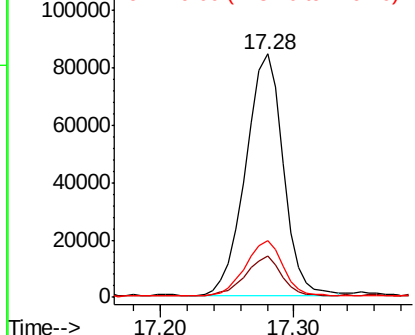
#91
Dibenzo(a,h)anthracene
Concen: 48.386 ng
RT: 17.28 min Scan# 2583
Delta R.T. 0.03 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 165624
Ion Ratio Lower Upper
278 100
139 16.8 12.7 19.1
279 23.1 19.0 28.4

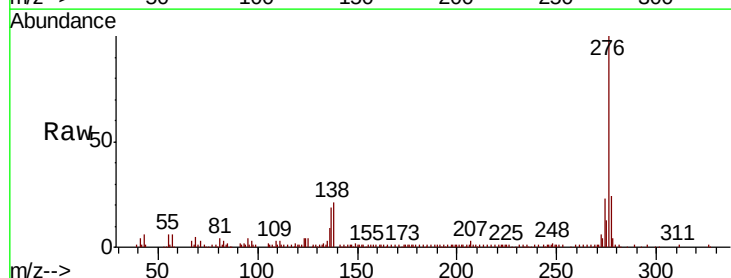


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 54.245 ng
RT: 17.77 min Scan# 2666
Delta R.T. 0.03 min
Lab File: BF111005.D
Acq: 27 Nov 2018 13:10

Tgt Ion:276 Resp: 179030
Ion Ratio Lower Upper
276 100
277 24.3 18.8 28.2
138 21.1 16.0 24.0



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

