

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091118\
 Data File : BF108930.D
 Acq On : 11 Sep 2018 12:56
 Operator : JU/SJ
 Sample : PB112743BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 11 13:30:11 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	172920	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	663287	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	321396	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	623288	20.00	ng	0.00
75) Chrysene-d12	13.88	240	436263	20.00	ng	0.01
86) Perylene-d12	15.28	264	393001	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	1235148	118.33	ng	0.02
7) Phenol-d6	6.38	99	1599912	119.13	ng	0.02
23) Nitrobenzene-d5	7.30	82	1038704	98.00	ng	0.00
41) 2,4,6-Tribromophenol	10.56	330	429145	139.87	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1773309	94.13	ng	0.00
78) Terphenyl-d14	12.83	244	1829979	97.82	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.51	88	198400	39.551	ng	93
3) Pyridine	3.21	79	575718	41.908	ng	91
4) n-Nitrosodimethylamine	3.15	42	260566	49.383	ng	# 94
6) Aniline	6.40	93	705391	39.052	ng	93
8) 2-Chlorophenol	6.53	128	535251	46.328	ng	95
9) Benzaldehyde	6.28	77	282308	29.631	ng	98
10) Phenol	6.40	94	655881	42.639	ng	75
11) bis(2-Chloroethyl)ether	6.48	93	535082	43.424	ng	98
12) 1,3-Dichlorobenzene	6.68	146	579550	43.958	ng	99
13) 1,4-Dichlorobenzene	6.76	146	584101	44.302	ng	97
14) 1,2-Dichlorobenzene	6.91	146	542842	44.669	ng	98
15) Benzyl Alcohol	6.88	79	472441	45.839	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.02	45	797597	43.302	ng	96
17) 2-Methylphenol	7.00	107	450943	46.186	ng	98
18) Hexachloroethane	7.25	117	217712	45.796	ng	99
19) n-Nitroso-di-n-propylamine	7.16	70	386656	41.419	ng	98
20) 3+4-Methylphenols	7.15	107	515833	45.101	ng	# 69
22) Acetophenone	7.15	105	707899	47.026	ng	# 90
24) Nitrobenzene	7.32	77	584170	51.368	ng	97
25) Isophorone	7.57	82	1093419	51.720	ng	98
26) 2-Nitrophenol	7.64	139	273781	61.107	ng	98
27) 2,4-Dimethylphenol	7.68	122	496016	54.518	ng	97
28) bis(2-Chloroethoxy)methane	7.78	93	678973	48.036	ng	99
29) 2,4-Dichlorophenol	7.88	162	462699	49.321	ng	97
30) 1,2,4-Trichlorobenzene	7.97	180	474721	46.692	ng	97
31) Naphthalene	8.04	128	1528944	51.235	ng	99
32) Benzoic acid	7.81	122	283505	47.581	ng	99
33) 4-Chloroaniline	8.09	127	507698	37.044	ng	99
34) Hexachlorobutadiene	8.17	225	278707	45.887	ng	98
36) 4-Chloro-3-methylphenol	8.58	107	485221	48.552	ng	99
37) 2-Methylnaphthalene	8.74	142	1021410	51.810	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.91	216	430739	44.834	ng	98
40) Hexachlorocyclopentadiene	8.90	237	575507	119.071	ng	99
42) 2,4,6-Trichlorophenol	9.01	196	331591	50.672	ng	99

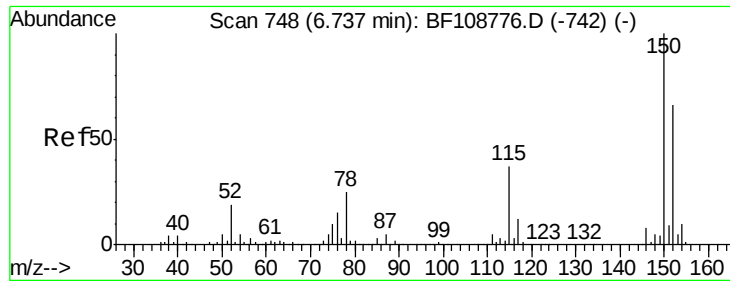
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091118\
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Quant Time: Sep 11 13:30:11 2018
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.05	196	352394	51.951	nq	95
45) 1,1'-Biphenyl	9.20	154	1195849	48.330	nq	99
46) 2-Chloronaphthalene	9.22	162	939237	46.936	nq	97
47) 2-Nitroaniline	9.31	65	311867	57.048	nq	95
48) Acenaphthylene	9.64	152	1536347	51.507	nq	99
49) Dimethylphthalate	9.50	163	1109429	49.353	nq	99
50) 2,6-Dinitrotoluene	9.56	165	251903	58.809	nq	90
51) Acenaphthene	9.81	154	898116	48.657	nq	99
52) 3-Nitroaniline	9.72	138	227931	44.702	nq	96
53) 2,4-Dinitrophenol	9.83	184	187296	114.495	nq	# 20
54) Dibenzofuran	9.98	168	1307125	48.581	nq	97
55) 4-Nitrophenol	9.89	139	439412	115.275	nq	96
56) 2,4-Dinitrotoluene	9.96	165	333306	60.846	nq	# 93
57) Fluorene	10.32	166	963368	55.794	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.10	232	297439	54.374	nq	88
59) Diethylphthalate	10.20	149	1096561	47.269	nq	96
60) 4-Chlorophenyl-phenylether	10.31	204	457204	49.580	nq	96
61) 4-Nitroaniline	10.34	138	276354	59.828	nq	97
62) Azobenzene	10.47	77	1154268	48.204	nq	97
64) 4,6-Dinitro-2-methylphenol	10.37	198	130548	52.508	nq	82
65) n-Nitrosodiphenylamine	10.43	169	959382	46.295	nq	95
66) 4-Bromophenyl-phenylether	10.80	248	323952	46.017	nq	# 88
67) Hexachlorobenzene	10.87	284	345409	45.963	nq	# 89
68) Atrazine	10.96	200	330242	49.780	nq	98
69) Pentachlorophenol	11.06	266	381482	83.031	nq	98
70) Phenanthrene	11.28	178	1487462	49.974	nq	99
71) Anthracene	11.33	178	1537185	53.940	nq	99
72) Carbazole	11.48	167	1402930	46.745	nq	99
73) Di-n-butylphthalate	11.82	149	1697350	50.928	nq	99
74) Fluoranthene	12.46	202	1574547	53.429	nq	97
76) Benzidine	12.58	184	930609	45.007	nq	98
77) Pyrene	12.68	202	1610956	47.988	nq	99
79) Butylbenzylphthalate	13.31	149	739058	48.888	nq	96
80) Benzo(a)anthracene	13.87	228	1285149	45.959	nq	98
81) 3,3'-Dichlorobenzidine	13.83	252	380975	34.969	nq	97
82) Chrysene	13.91	228	1297450	47.929	nq	98
83) Bis(2-ethylhexyl)phthalate	13.87	149	846634	44.564	nq	100
84) Di-n-octyl phthalate	14.48	149	1529082	48.277	nq	99
85) Indeno(1,2,3-cd)pyrene	16.65	276	1019360	42.550	nq	95
87) Benzo(b)fluoranthene	14.89	252	1175454	55.006	nq	98
88) Benzo(k)fluoranthene	14.89	252	1175454	59.730	nq	98
89) Benzo(a)pyrene	15.23	252	1029203	53.376	nq	99
90) Dibenzo(a,h)anthracene	16.67	278	838722	49.364	nq	# 96
91) Benzo(g,h,i)perylene	17.07	276	880153	51.738	nq	94

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

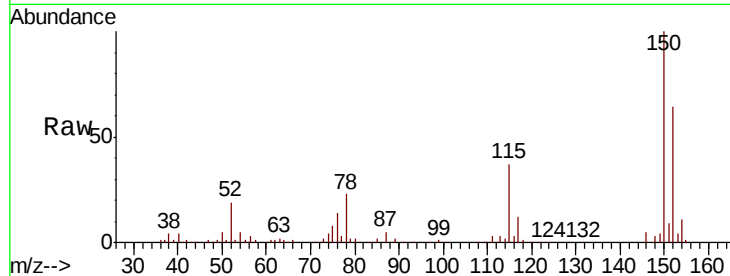


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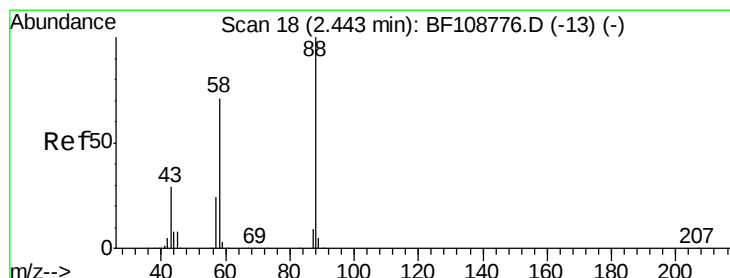
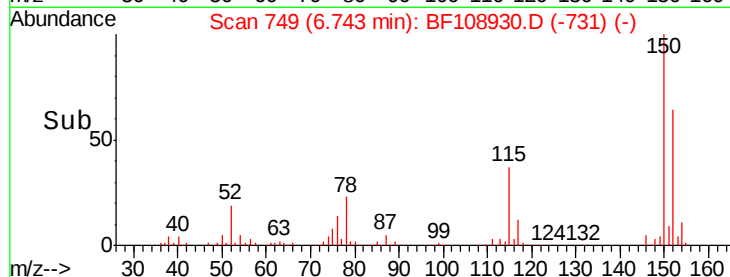
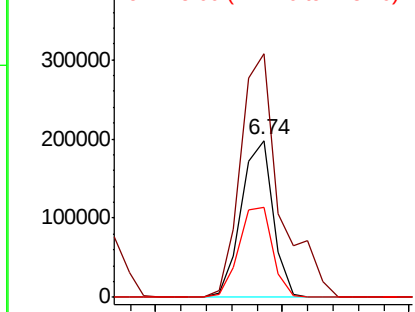
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 749
Delta R.T. 0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 172920
Ion Ratio Lower Upper
152 100
150 155.4 124.6 186.8
115 57.8 50.1 75.1



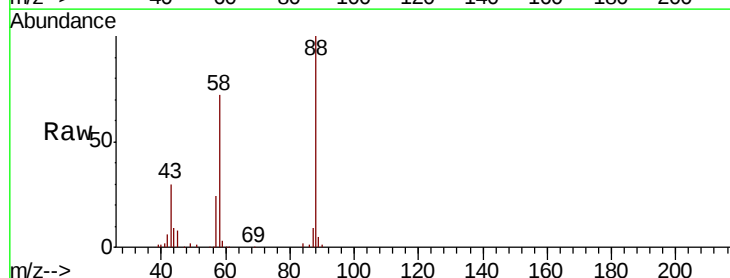
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



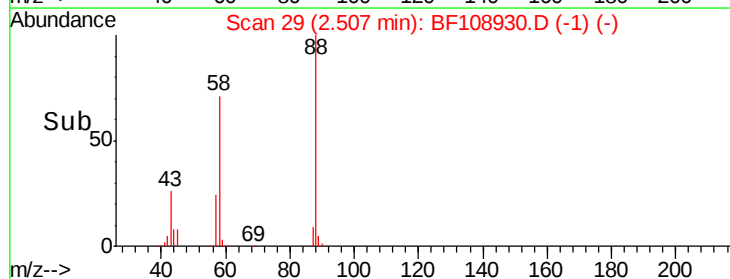
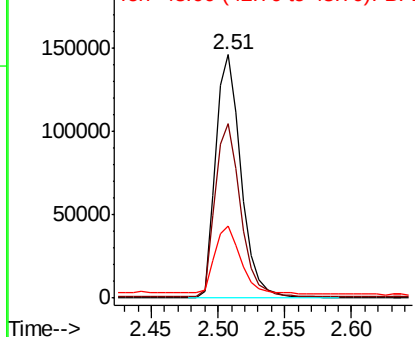
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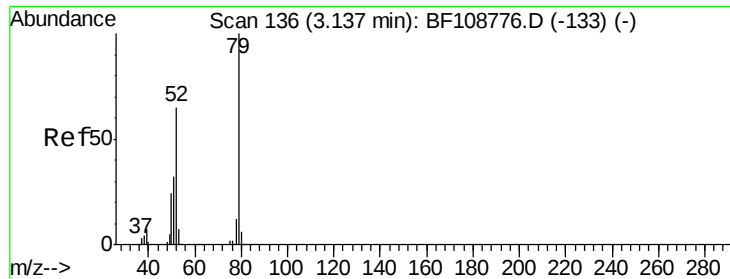
1,4-Dioxane
Concen: 39.551 ng
RT: 2.51 min Scan# 29
Delta R.T. 0.06 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Tgt Ion: 88 Resp: 198400
Ion Ratio Lower Upper
88 100
58 71.1 62.6 93.8
43 28.3 24.6 37.0



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





#3

Pvridine

Concen: 41.908 ng

RT: 3.21 min Scan# 149

Delta R.T. 0.08 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

Instrument :

BNA_F

ClientSampled :

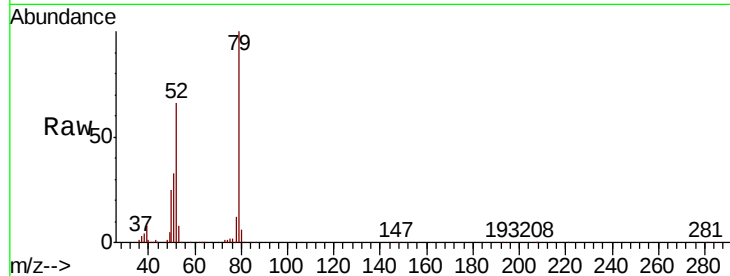
Tot Ion: 79 Resp: 575718

Ion Ratio Lower Upper

79 100

52 65.6 59.8 89.6

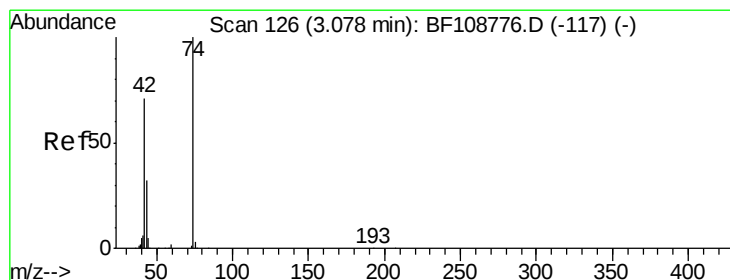
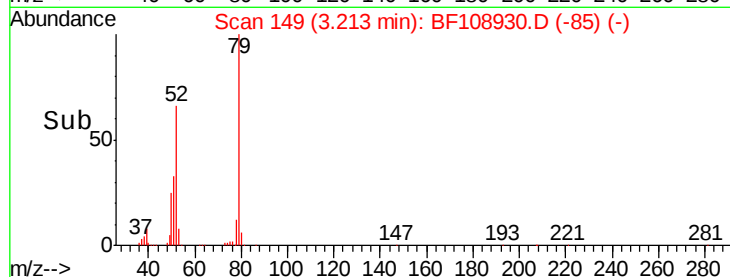
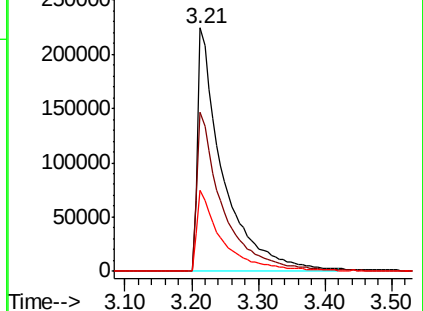
51 33.2 29.8 44.8



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 49.383 ng

RT: 3.15 min Scan# 138

Delta R.T. 0.07 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

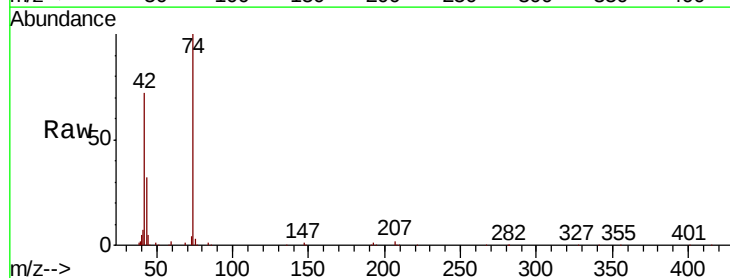
Tgt Ion: 42 Resp: 260566

Ion Ratio Lower Upper

42 100

74 138.2 104.9 157.3

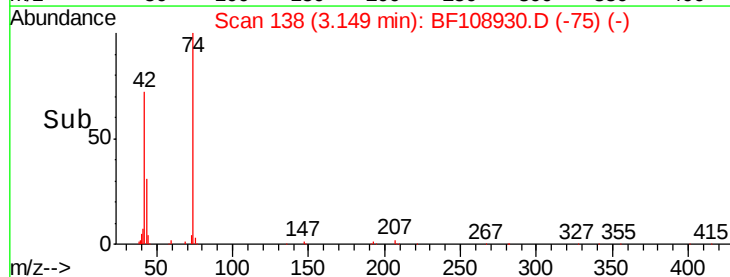
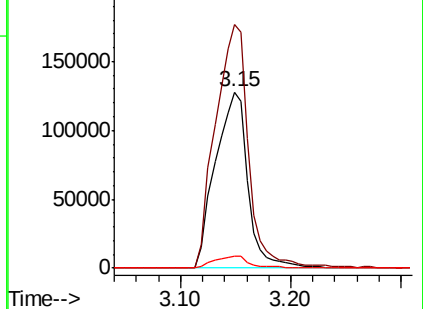
44 6.5 6.9 10.3#

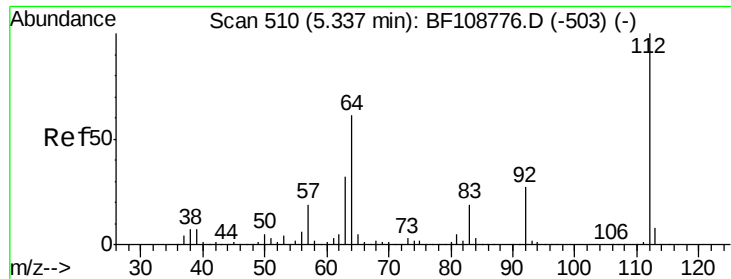


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 118.334 ng

RT: 5.36 min Scan# 514

Delta R.T. 0.02 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

Instrument :

BNA_F

ClientSampled :

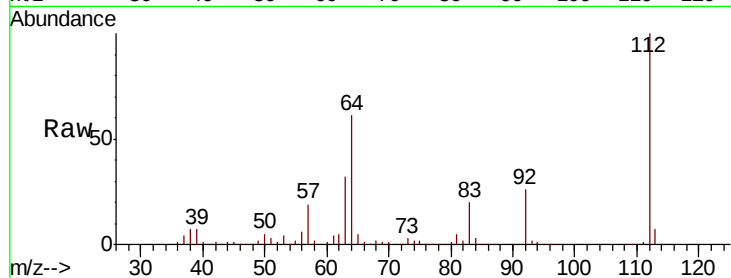
Tot Ion:112 Resp: 1235148

Ion Ratio Lower Upper

112 100

64 61.2 47.9 71.9

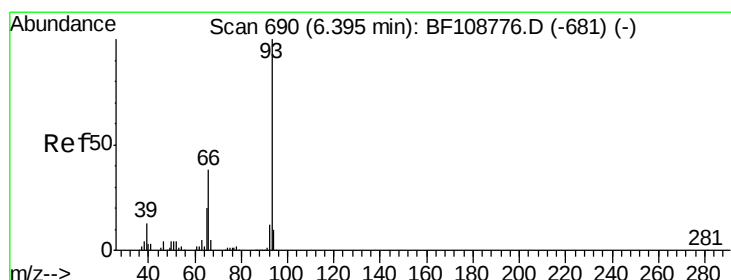
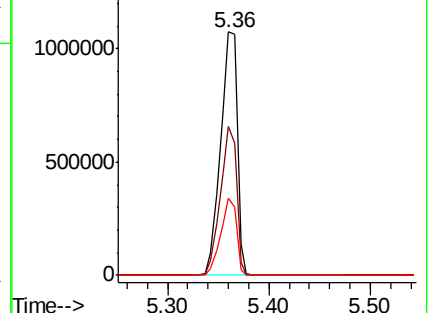
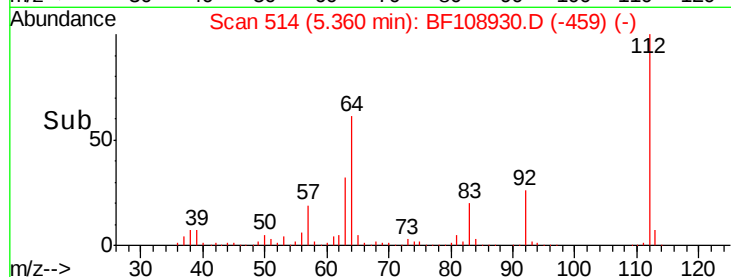
63 31.7 23.7 35.5



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: 39.052 ng

RT: 6.40 min Scan# 691

Delta R.T. 0.01 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

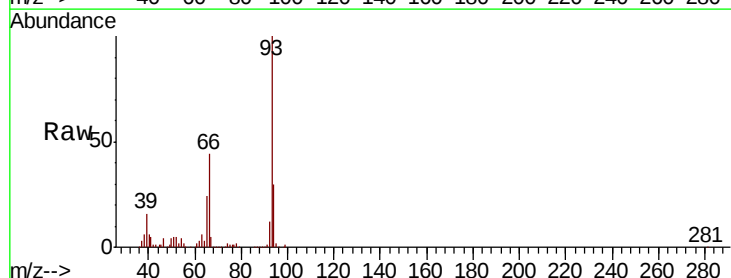
Tgt Ion: 93 Resp: 705391

Ion Ratio Lower Upper

93 100

66 44.4 32.2 48.2

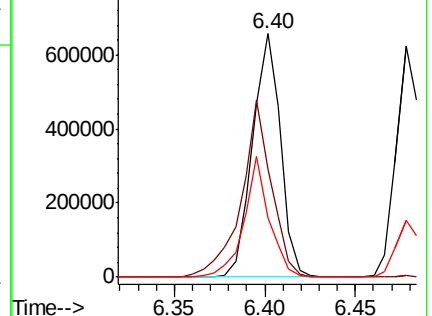
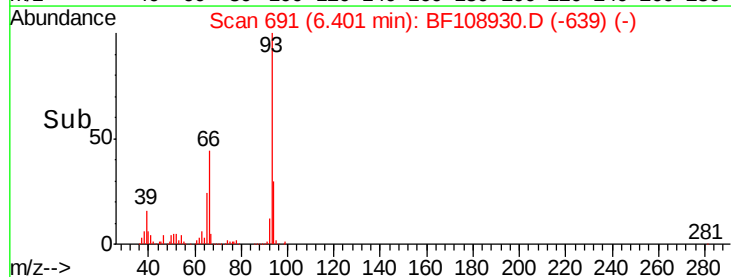
65 24.4 16.4 24.6

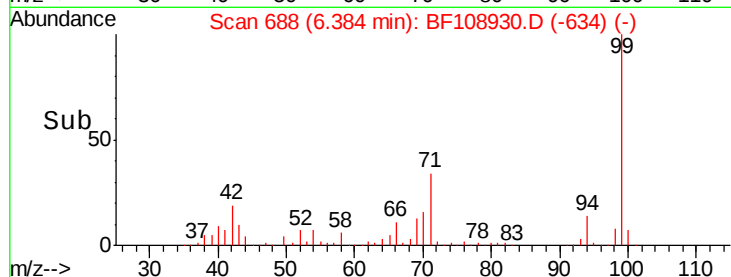
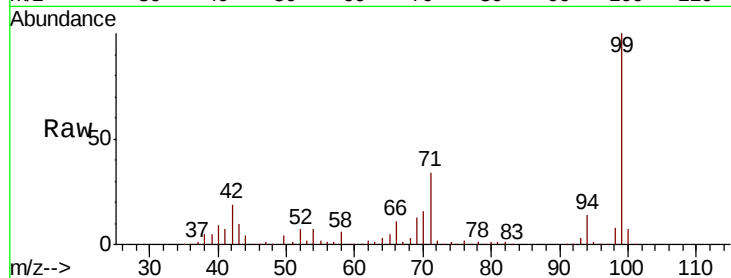
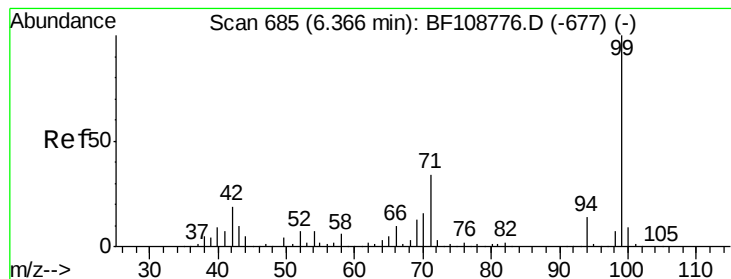


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 119.131 ng

RT: 6.38 min Scan# 688

Delta R.T. 0.02 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

Tot Ion: 99 Resp: 1599912

Ion Ratio Lower Upper

99 100

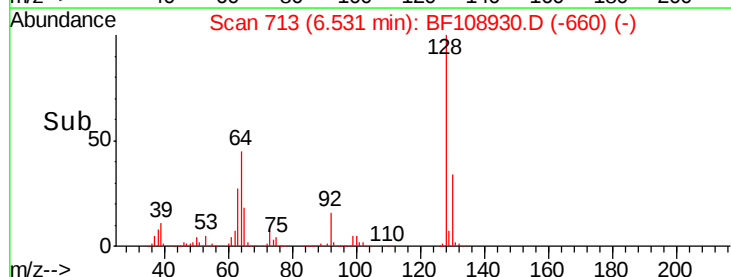
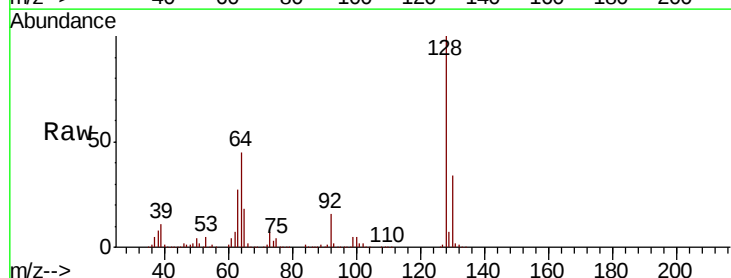
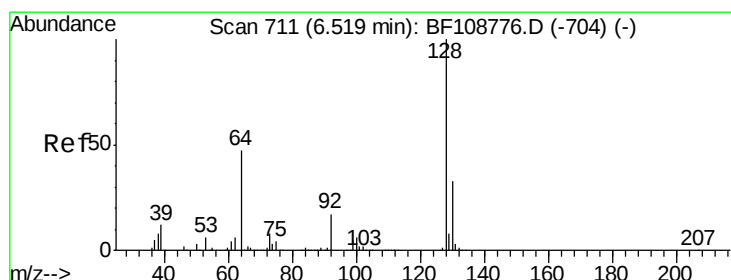
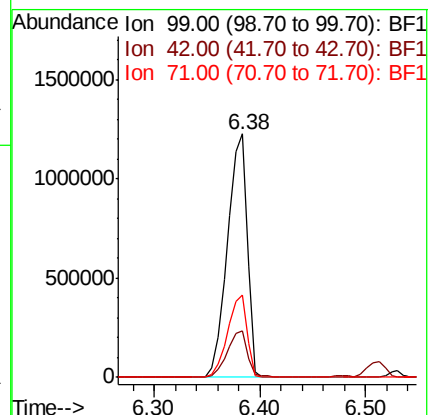
42 19.0 14.5 21.7

71 33.8 25.4 38.0

Instrument :

BNA_F

ClientSampleId :



#8

2-Chlorophenol

Concen: 46.328 ng

RT: 6.53 min Scan# 713

Delta R.T. 0.01 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

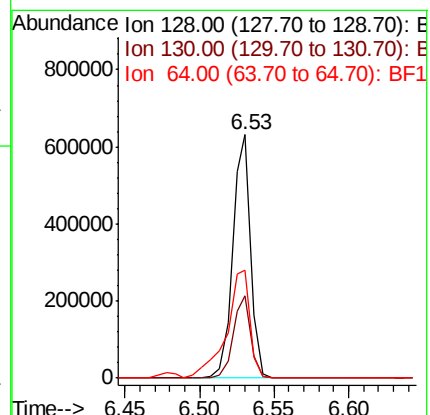
Tgt Ion:128 Resp: 535251

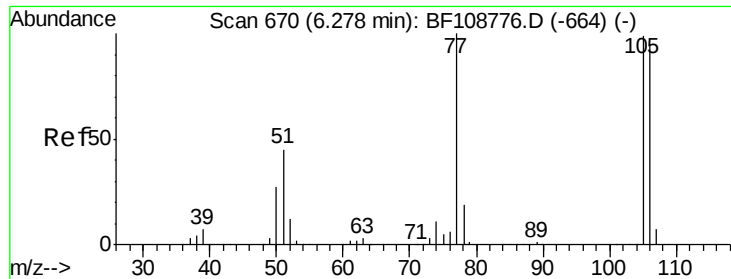
Ion Ratio Lower Upper

128 100

130 33.9 13.0 53.0

64 44.5 29.4 69.4





#9

Benzaldehyde

Concen: 29.631 ng

RT: 6.28 min Scan# 671

Delta R.T. 0.01 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

Instrument :

BNA_F

ClientSampled :

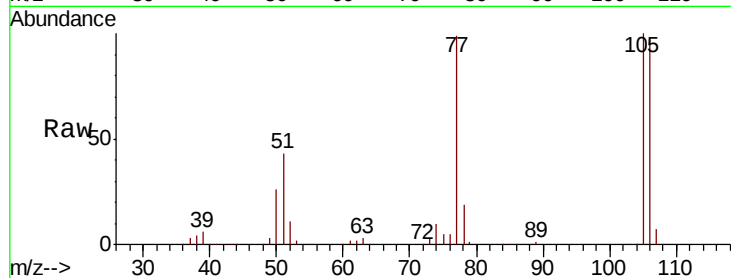
Tot Ion: 77 Resp: 282308

Ion Ratio Lower Upper

77 100

105 101.0 81.1 121.1

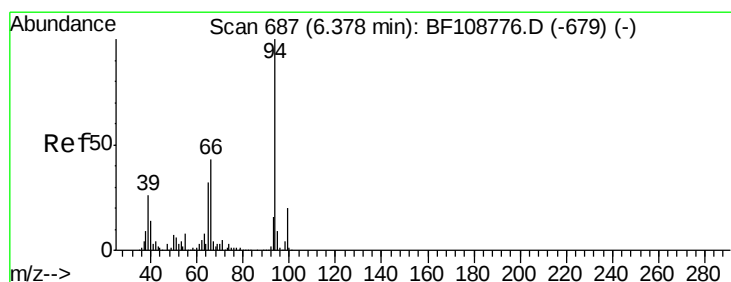
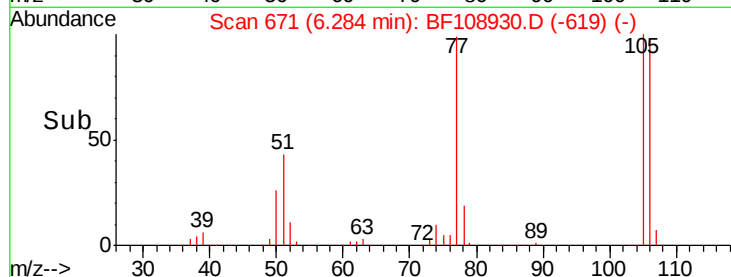
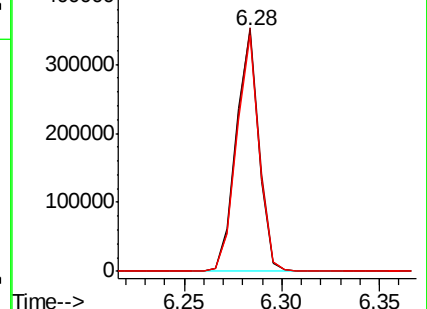
106 97.7 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 42.639 ng

RT: 6.40 min Scan# 690

Delta R.T. 0.02 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

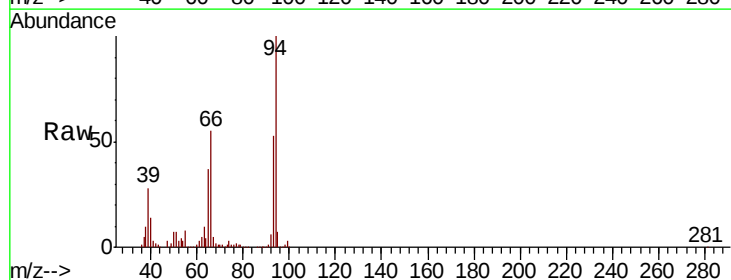
Tgt Ion: 94 Resp: 655881

Ion Ratio Lower Upper

94 100

65 37.1 7.9 47.9

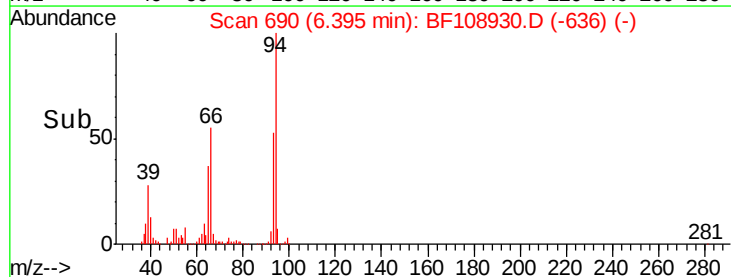
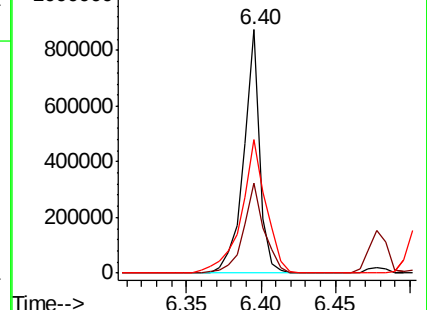
66 54.8 16.2 56.2

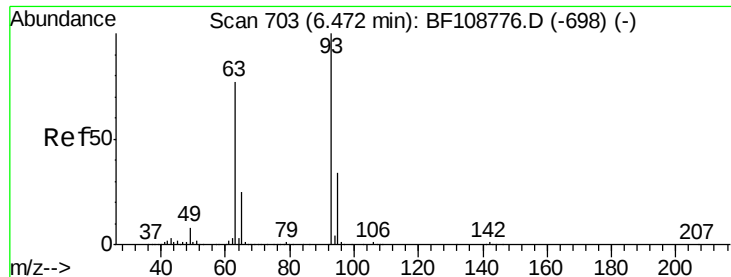


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

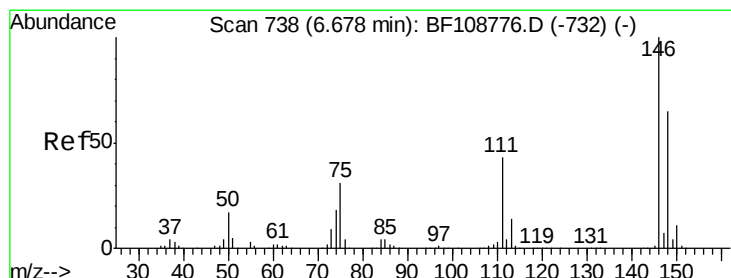
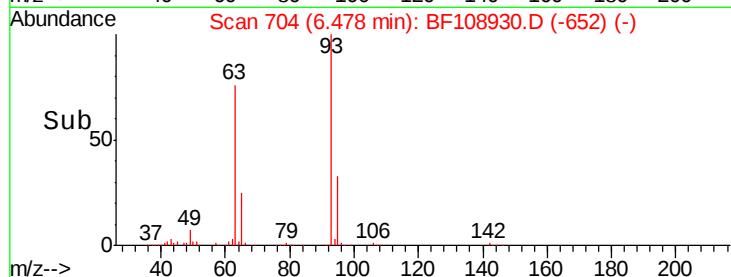
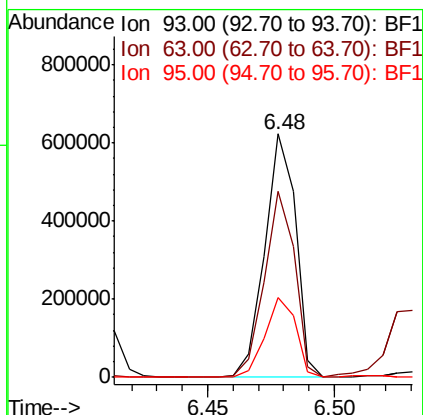
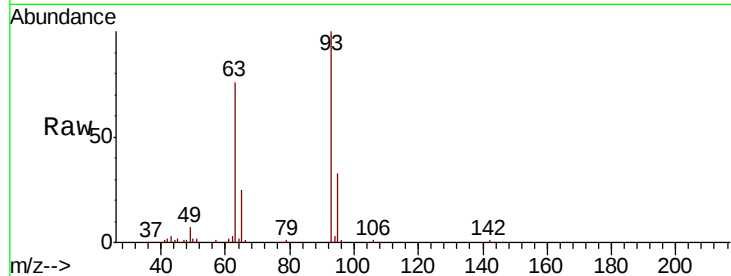




#11
 bis(2-Chloroethyl)ether
 Concen: 43.424 ng
 RT: 6.48 min Scan# 704
 Delta R.T. 0.01 min
 Lab File: BF108930.D
 Acq: 11 Sep 2018 12:56

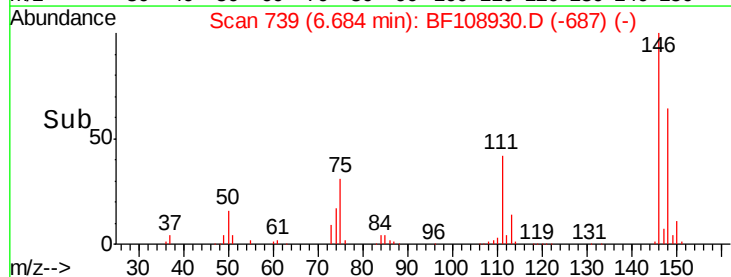
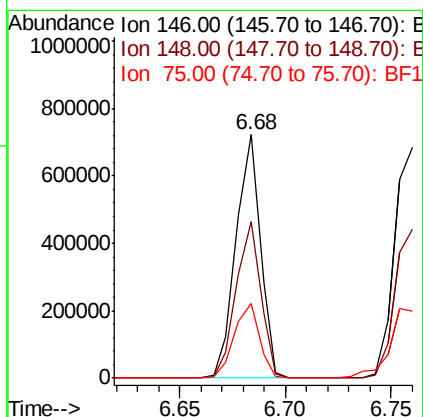
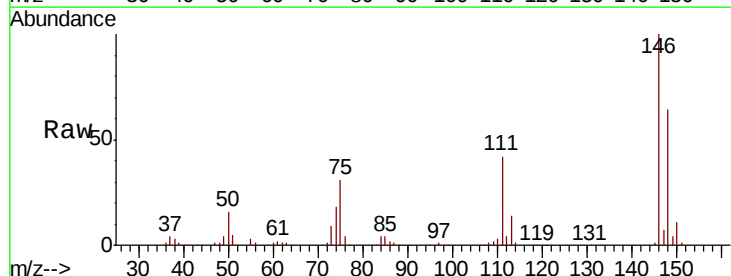
Instrument :
 BNA_F
 ClientSampleId :

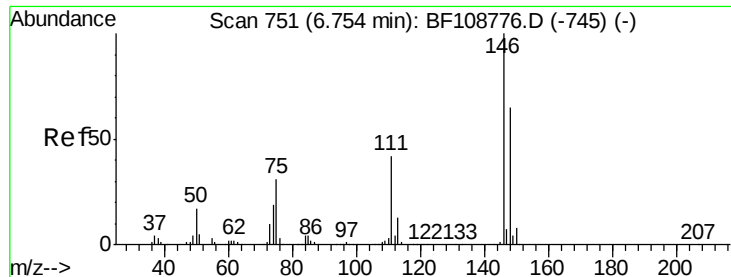
Tot Ion	Ratio	Lower	Upper
93	100		
63	76.3	58.6	98.6
95	32.7	11.8	51.8



#12
 1,3-Dichlorobenzene
 Concen: 43.958 ng
 RT: 6.68 min Scan# 739
 Delta R.T. 0.01 min
 Lab File: BF108930.D
 Acq: 11 Sep 2018 12:56

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.8	77.8
75	30.8	24.2	36.4

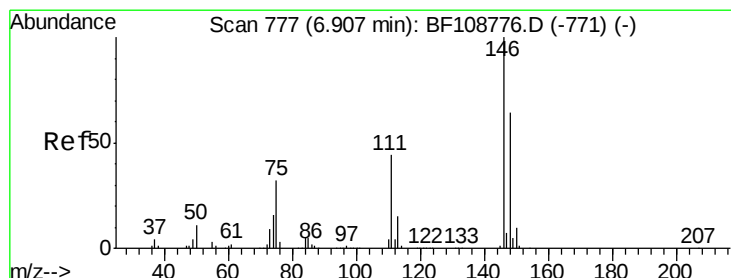
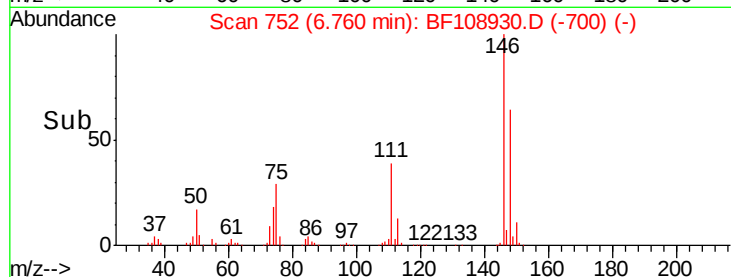
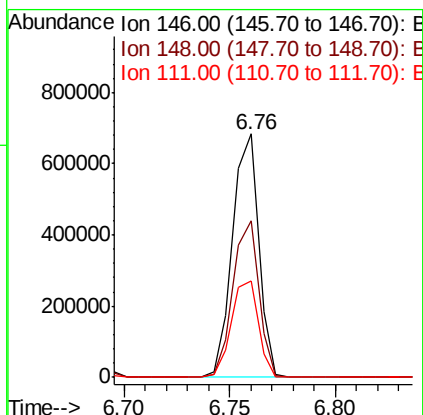
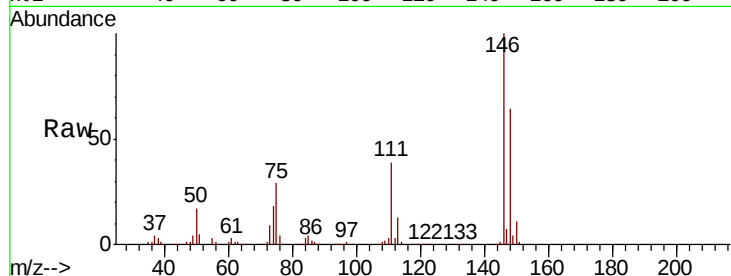




#13
 1,4-Dichlorobenzene
 Concen: 44.302 ng
 RT: 6.76 min Scan# 752
 Delta R.T. 0.01 min
 Lab File: BF108930.D
 Acq: 11 Sep 2018 12:56

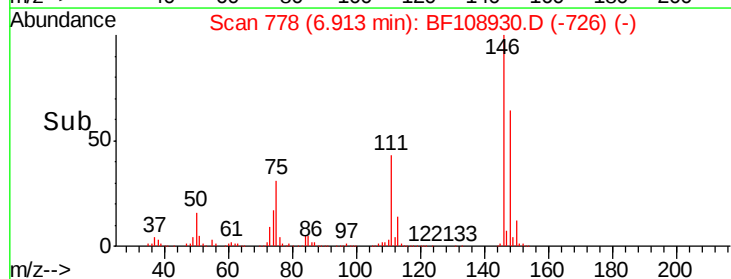
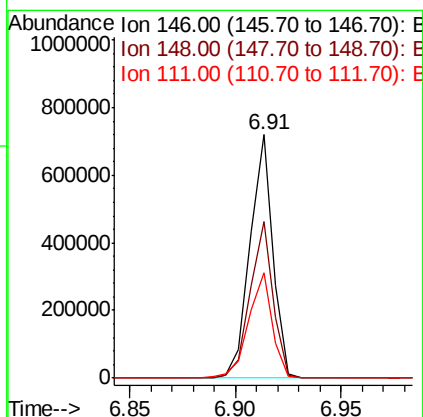
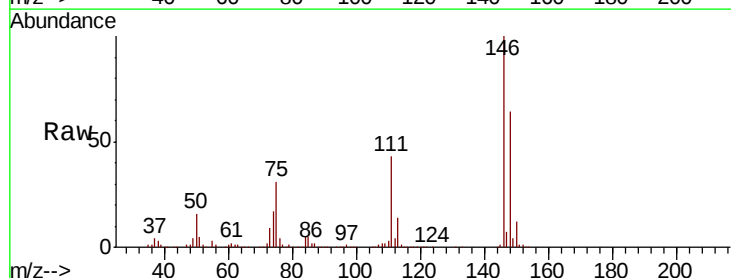
Instrument :
 BNA_F
 ClientSampled :

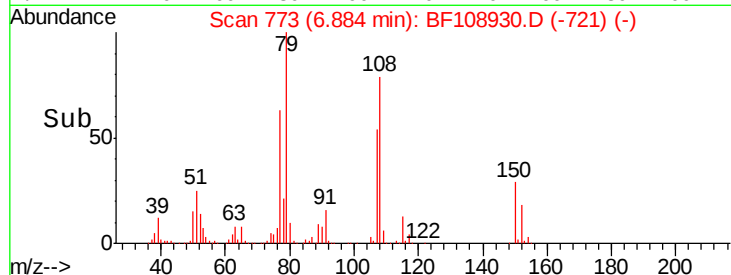
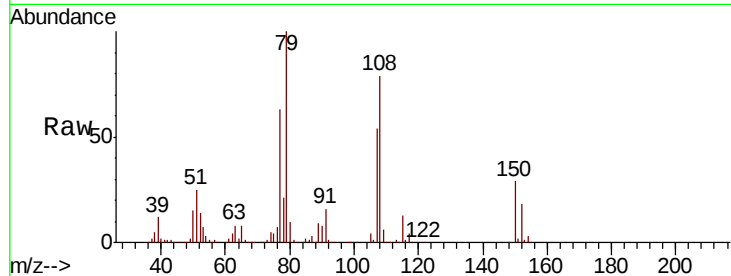
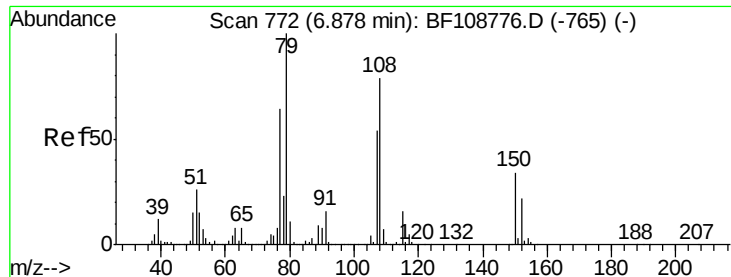
Tot Ion:146 Resp: 584101
 Ion Ratio Lower Upper
 146 100
 148 64.4 50.8 76.2
 111 39.5 34.2 51.2



#14
 1,2-Dichlorobenzene
 Concen: 44.669 ng
 RT: 6.91 min Scan# 778
 Delta R.T. 0.01 min
 Lab File: BF108930.D
 Acq: 11 Sep 2018 12:56

Tgt Ion:146 Resp: 542842
 Ion Ratio Lower Upper
 146 100
 148 64.1 50.6 75.8
 111 43.2 36.0 54.0

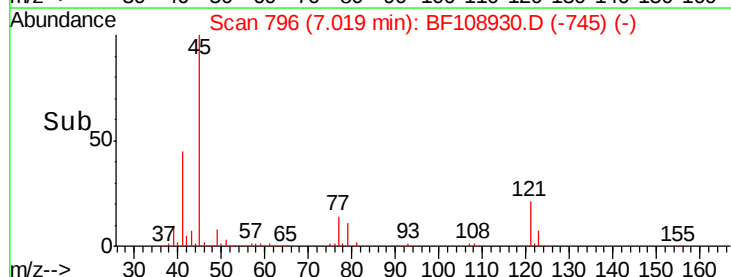
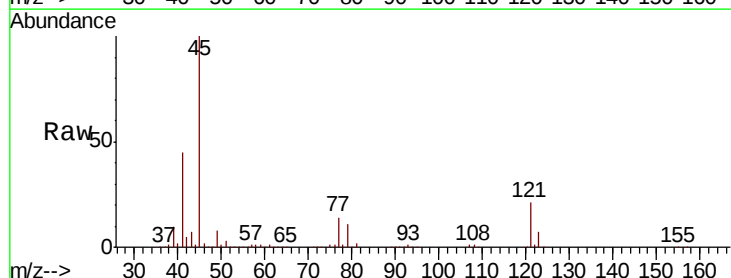
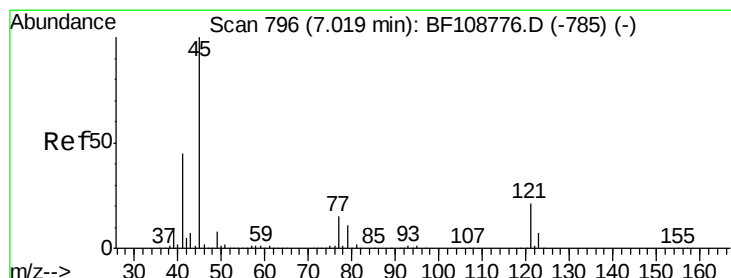
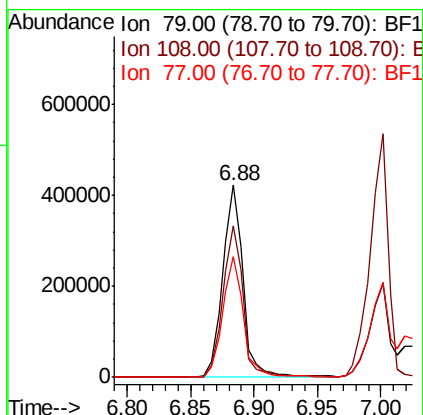




#15
Benzyl Alcohol
Concen: 45.839 ng
RT: 6.88 min Scan# 773
Delta R.T. 0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

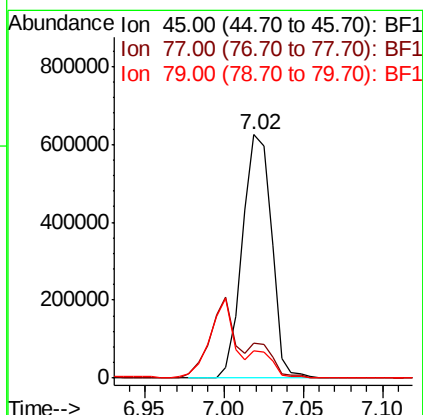
Instrument :
BNA_F
ClientSampleId :

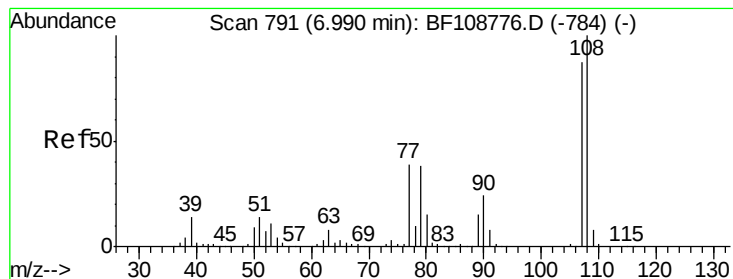
Tot Ion	Ratio	Lower	Upper
79	100		
108	78.7	65.1	97.7
77	63.2	50.6	75.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.302 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Tgt Ion	Ratio	Lower	Upper
45	100		
77	14.4	0.0	32.9
79	11.0	0.0	29.6

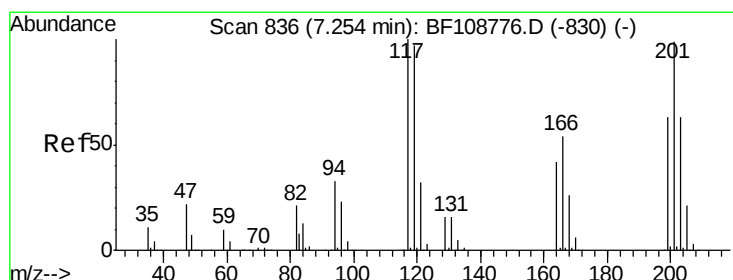
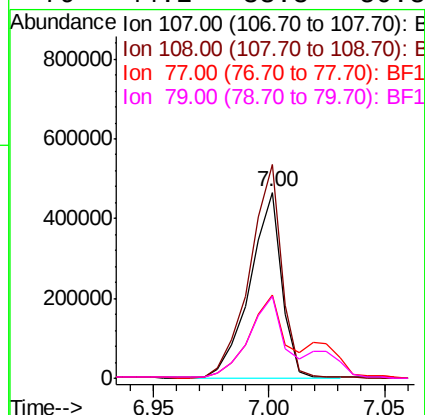
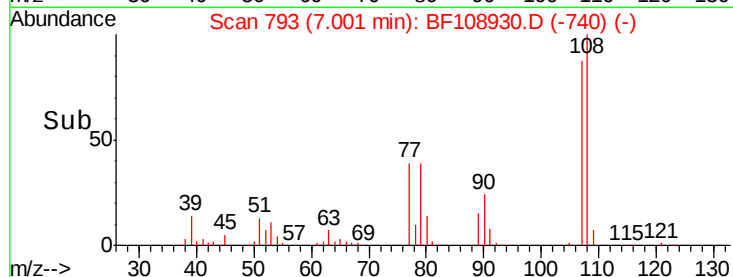
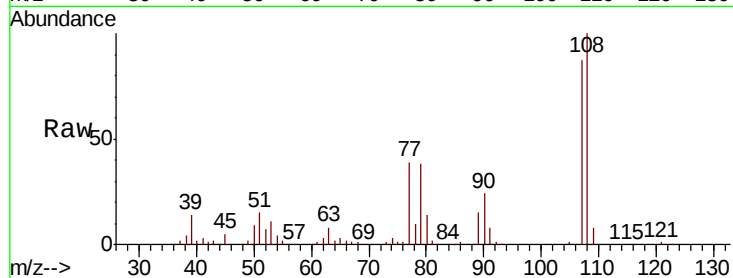




#17
2-Methylphenol
Concen: 46.186 ng
RT: 7.00 min Scan# 793
Delta R.T. 0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

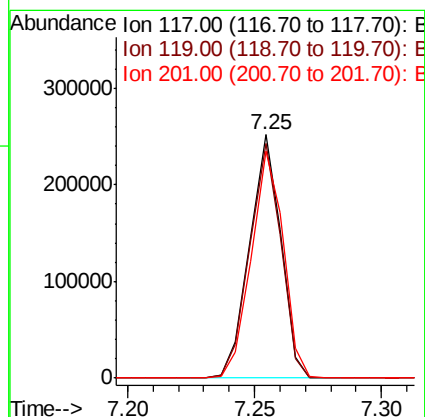
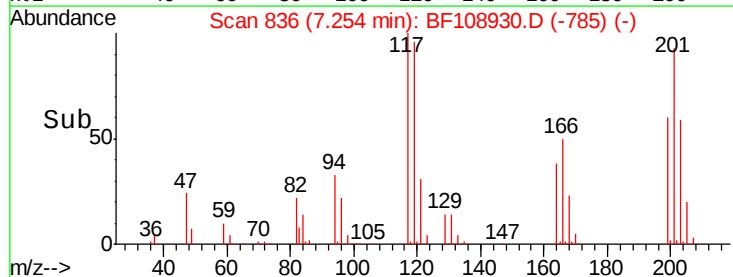
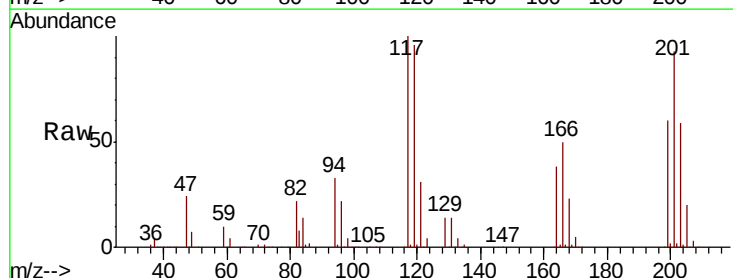
Instrument :
BNA_F
ClientSampleId :

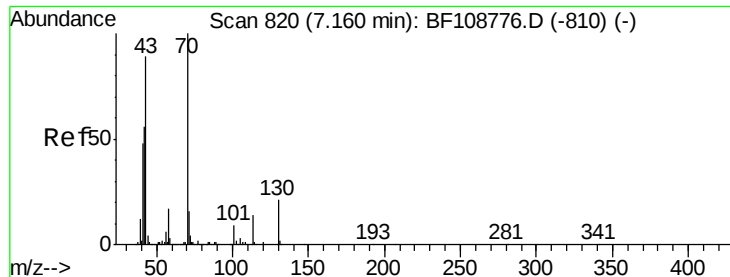
Tot Ion:107 Resp: 450943
Ion Ratio Lower Upper
107 100
108 115.0 91.7 137.5
77 44.9 33.8 50.8
79 44.2 33.8 50.8



#18
Hexachloroethane
Concen: 45.796 ng
RT: 7.25 min Scan# 836
Delta R.T. 0.00 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Tgt Ion:117 Resp: 217712
Ion Ratio Lower Upper
117 100
119 96.4 75.8 113.8
201 93.4 75.7 113.5

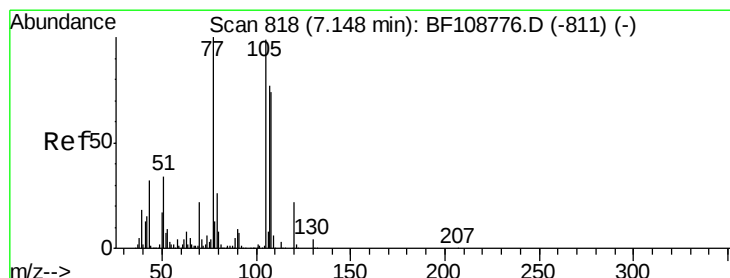
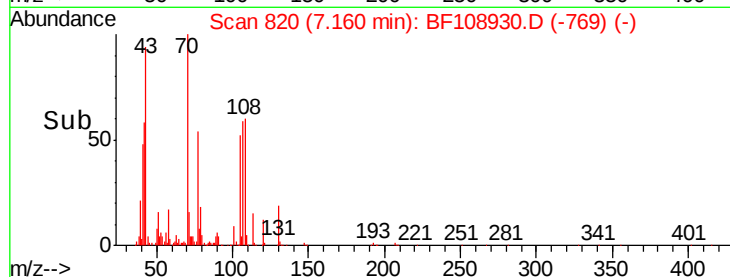
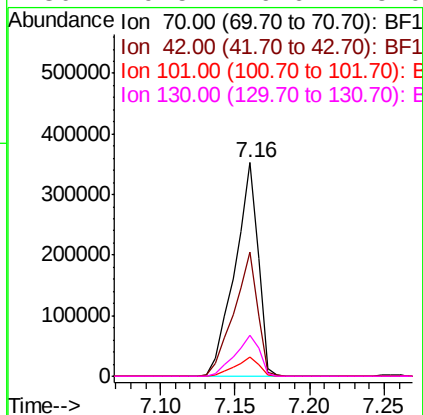
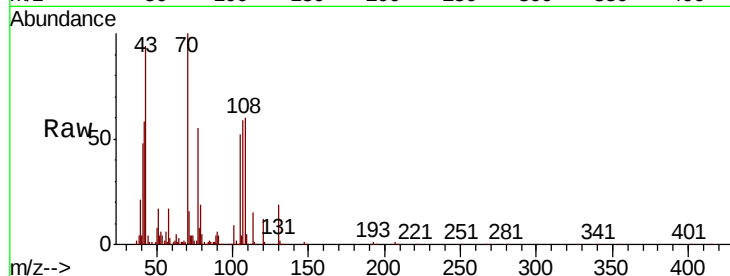




#19
n-Nitroso-di-n-propylamine
Concen: 41.419 ng
RT: 7.16 min Scan# 820
Delta R.T. 0.00 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

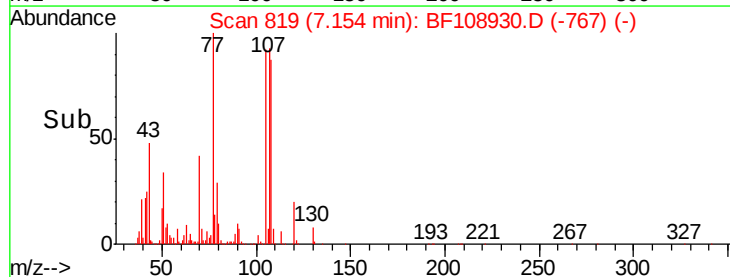
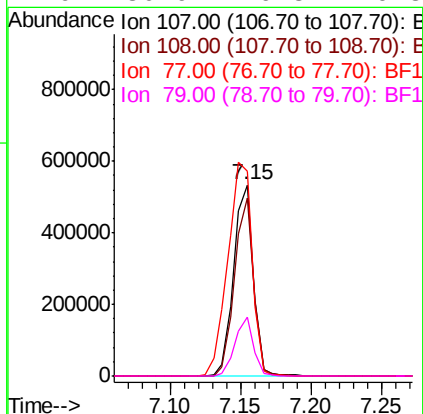
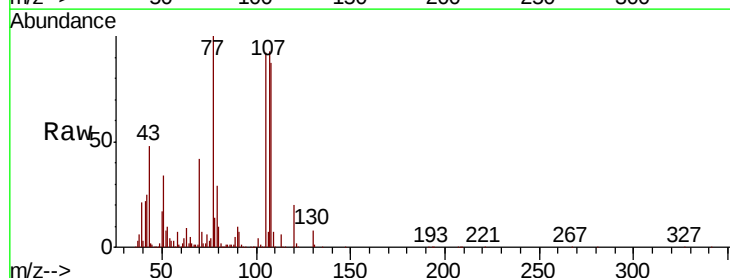
Instrument :
BNA_F
ClientSampleId :

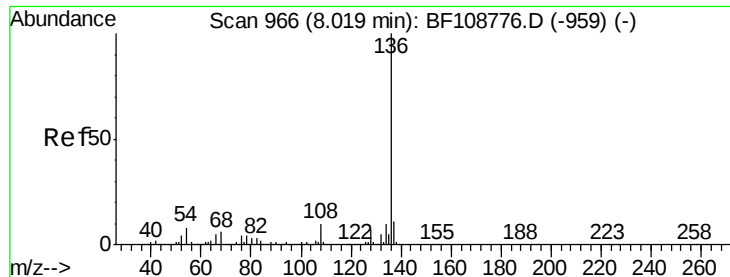
Tot Ion: 70 Resp: 386656
Ion Ratio Lower Upper
70 100
42 58.2 47.5 71.3
101 9.0 7.4 11.2
130 19.5 16.6 25.0



#20
3+4-Methylphenols
Concen: 45.101 ng
RT: 7.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Tgt Ion:107 Resp: 515833
Ion Ratio Lower Upper
107 100
108 93.2 68.2 108.2
77 107.5 26.7 66.7#
79 30.9 6.3 46.3

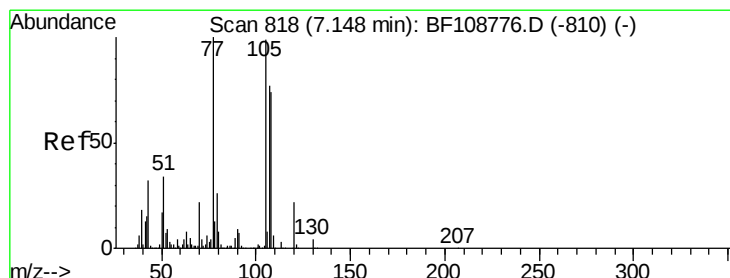
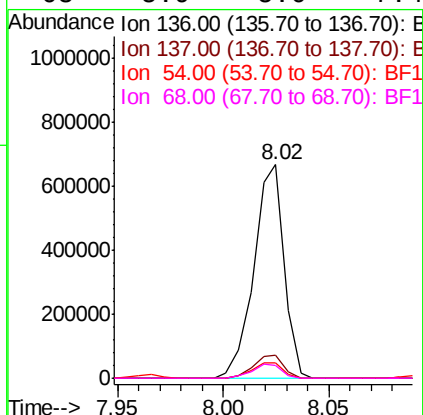
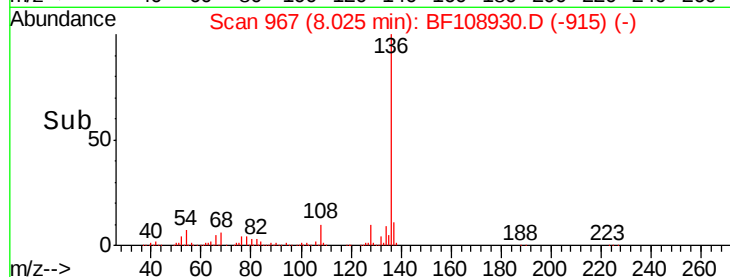
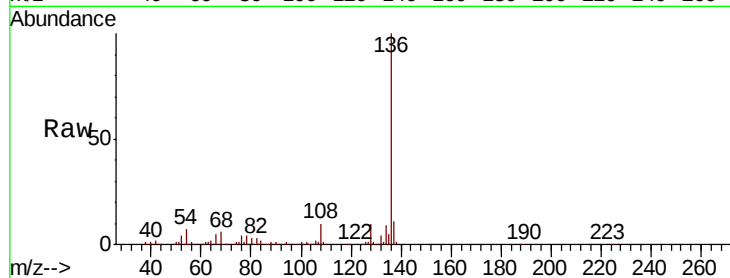




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 967
Delta R.T. 0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

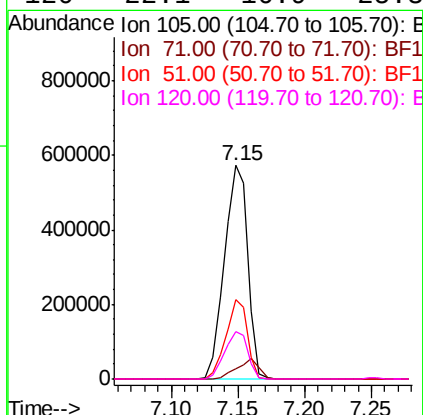
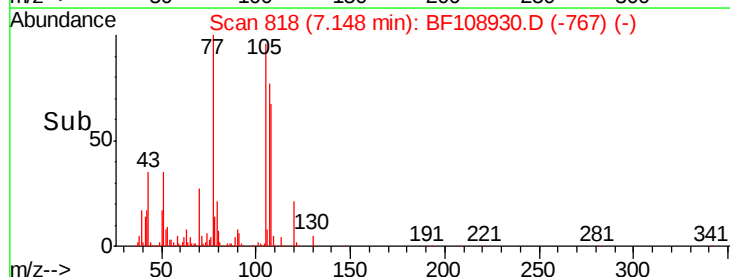
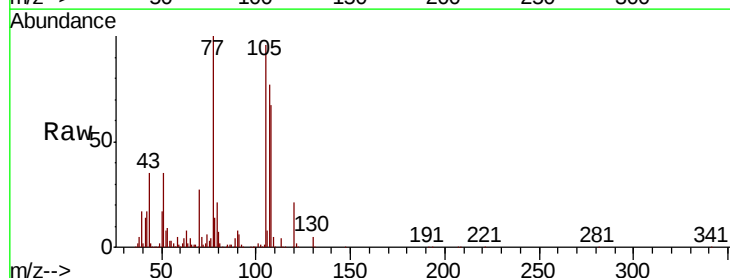
Instrument :
BNA_F
ClientSampleId :

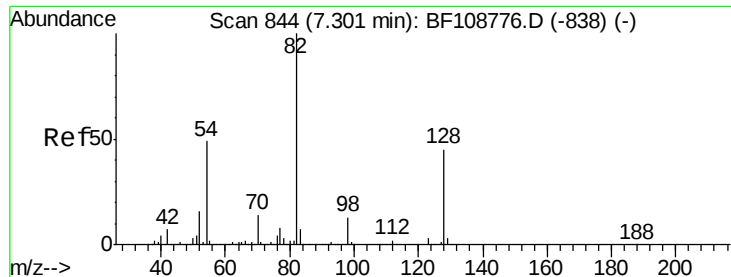
Tot Ion:136	Resp: 663287
Ion Ratio	Lower Upper
136 100	
137 10.7	8.9 13.3
54 6.9	6.6 9.8
68 5.9	5.0 7.4



#22
Acetophenone
Concen: 47.026 ng
RT: 7.15 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Tgt	Ion:105	Resp:	707899
Ion	Ratio	Lower	Upper
105	100		
71	4.7	4.4	6.6
51	37.0	22.3	33.5#
120	22.1	16.9	25.3

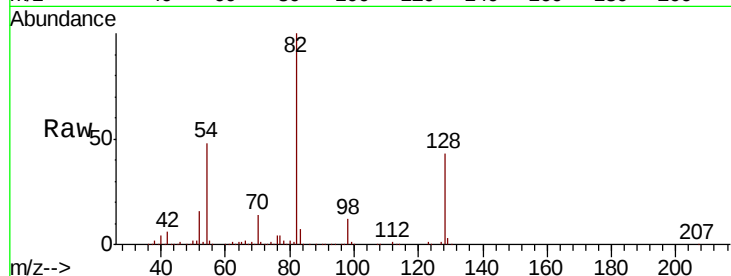




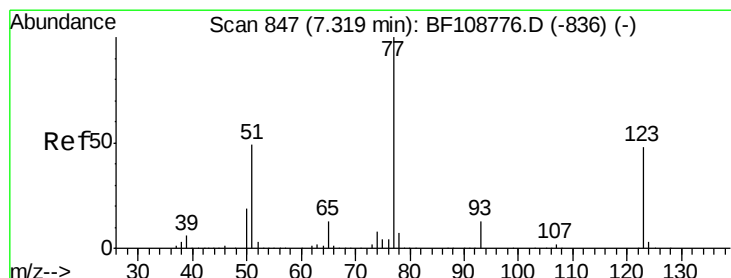
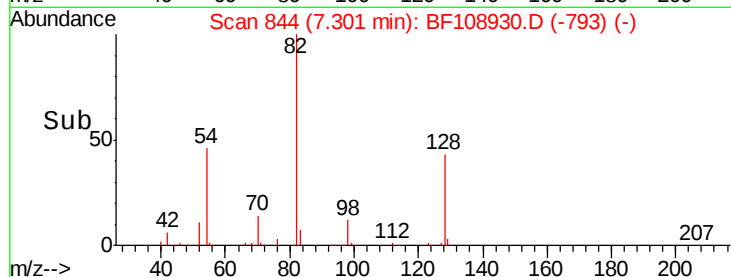
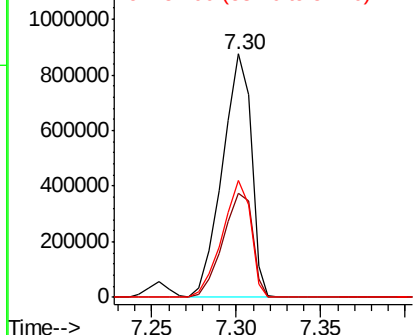
#23
 Nitrobenzene-d5
 Concen: 98.001 ng
 RT: 7.30 min Scan# 844
 Delta R.T. 0.00 min
 Lab File: BF108930.D
 Acq: 11 Sep 2018 12:56

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion: 82 Resp: 1038704
 Ion Ratio Lower Upper
 82 100
 128 42.9 36.1 54.1
 54 48.2 41.4 62.2

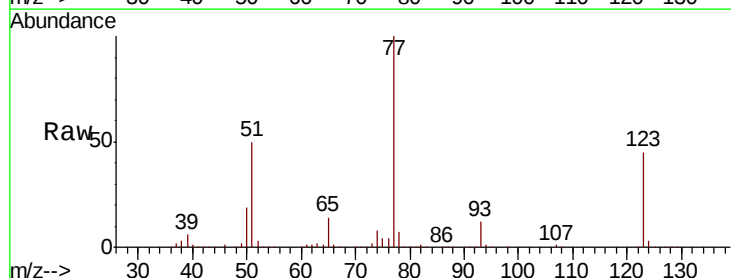


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

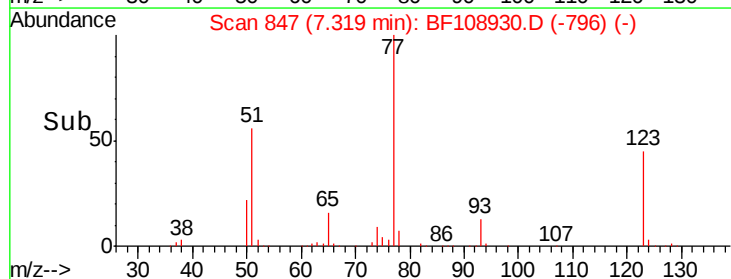
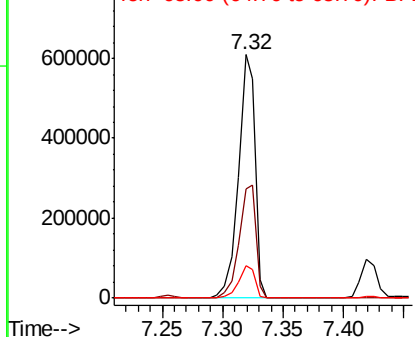


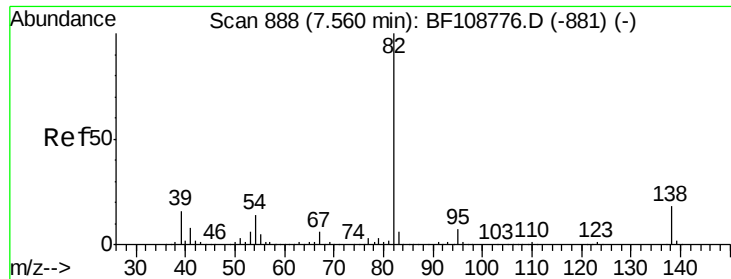
#24
 Nitrobenzene
 Concen: 51.368 ng
 RT: 7.32 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: BF108930.D
 Acq: 11 Sep 2018 12:56

Tgt Ion: 77 Resp: 584170
 Ion Ratio Lower Upper
 77 100
 123 44.9 37.9 56.9
 65 13.6 11.0 16.4



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 51.720 ng

RT: 7.57 min Scan# 889

Delta R.T. 0.01 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

Instrument :
BNA_F
ClientSampleId :

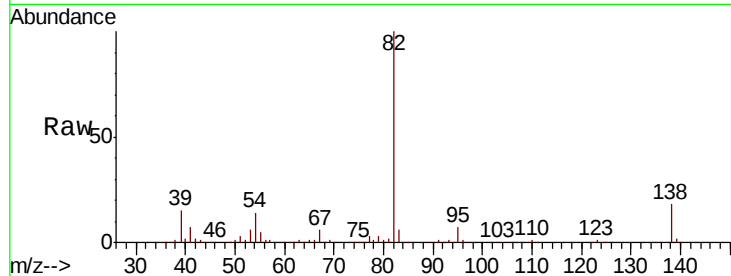
Tot Ion: 82 Resp: 1093419

Ion Ratio Lower Upper

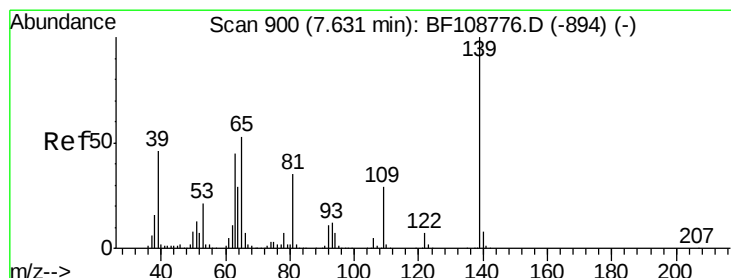
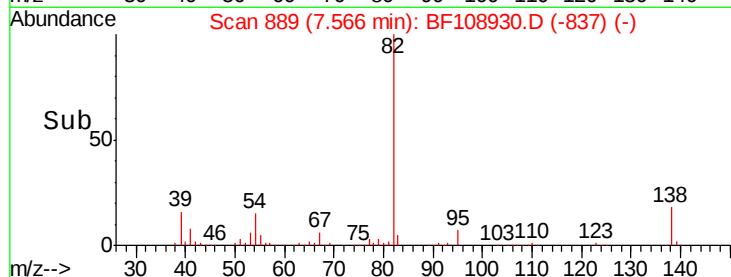
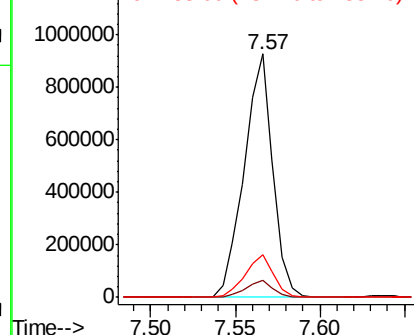
82 100

95 6.9 5.2 7.8

138 17.5 14.9 22.3



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: 61.107 ng

RT: 7.64 min Scan# 901

Delta R.T. 0.01 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

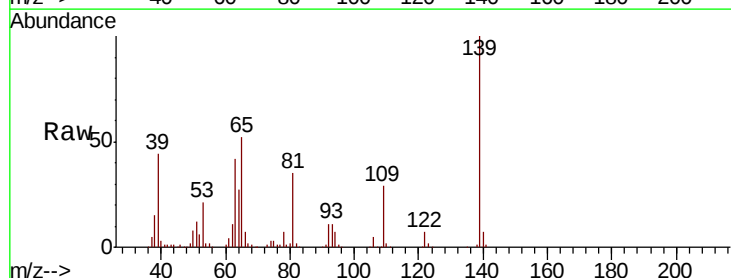
Tgt Ion: 139 Resp: 273781

Ion Ratio Lower Upper

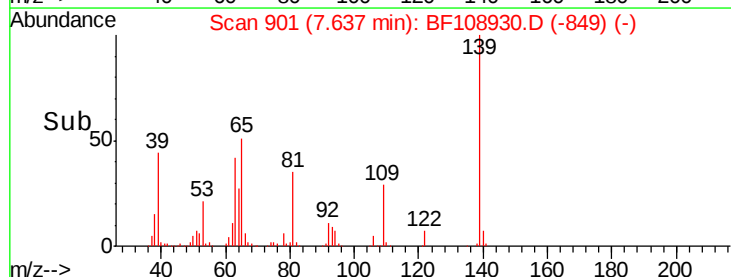
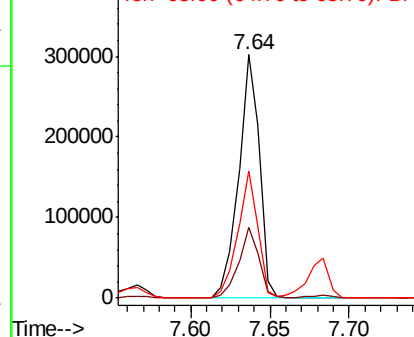
139 100

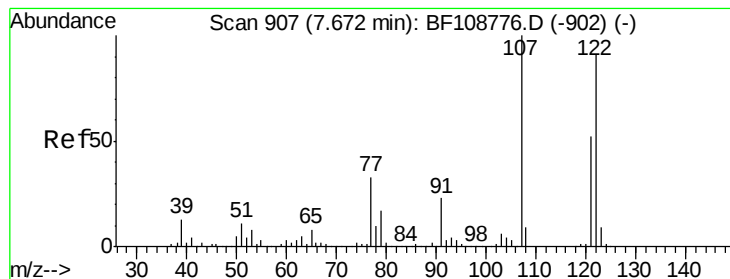
109 28.9 22.7 34.1

65 52.4 40.5 60.7



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: 54.518 ng

RT: 7.68 min Scan# 909

Delta R.T. 0.01 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

Instrument :

BNA_F

ClientSampleId :

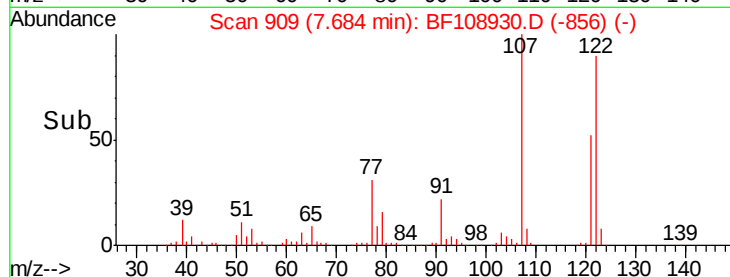
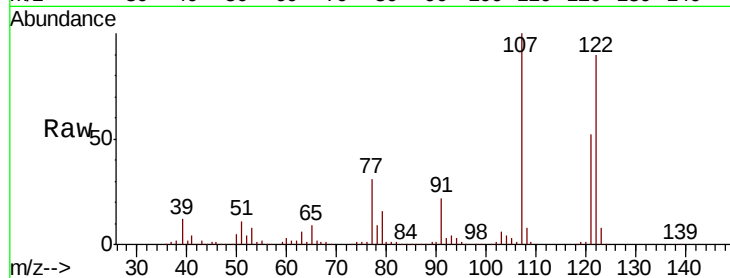
Tot Ion:122 Resp: 496016

Ion Ratio Lower Upper

122 100

107 110.6 91.2 136.8

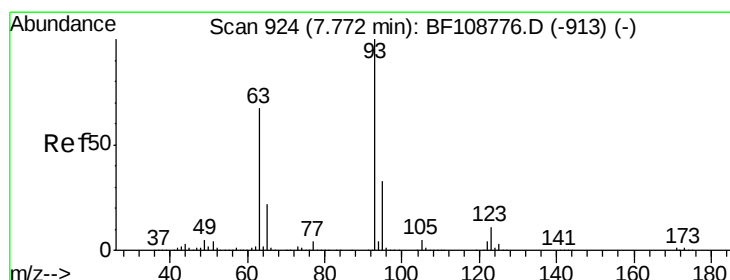
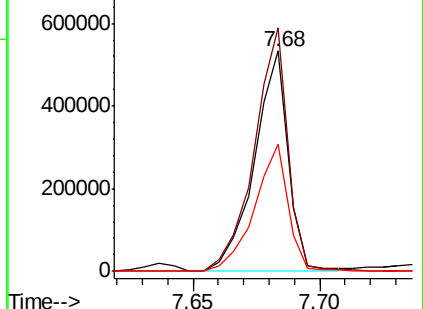
121 57.5 47.2 70.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 48.036 ng

RT: 7.78 min Scan# 925

Delta R.T. 0.01 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

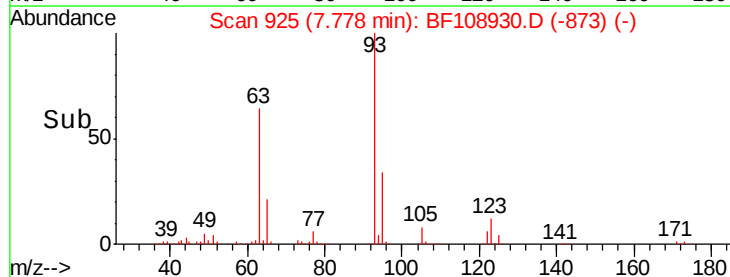
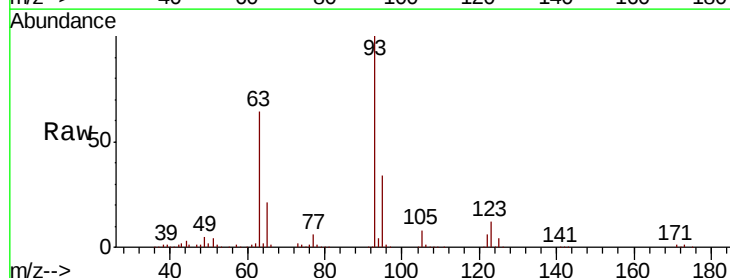
Tgt Ion: 93 Resp: 678973

Ion Ratio Lower Upper

93 100

95 33.7 26.3 39.5

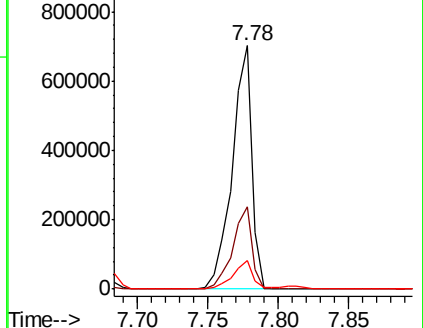
123 11.6 9.8 14.6

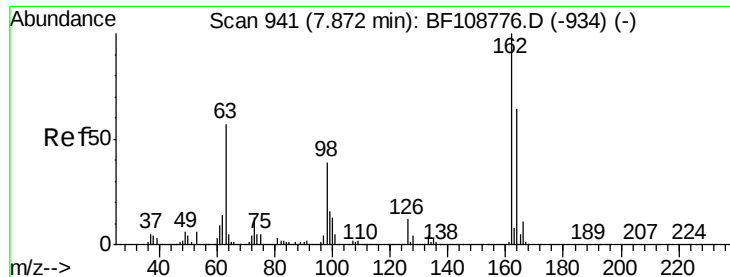


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

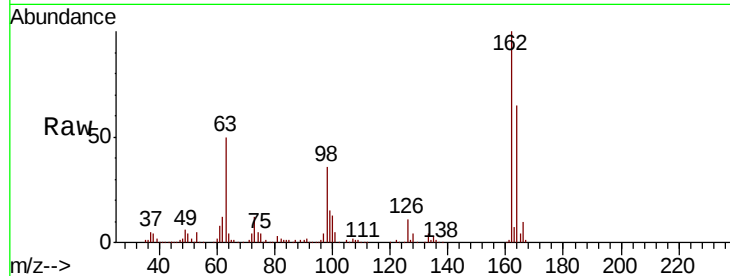




#29
 2,4-Dichlorophenol
 Concen: 49.321 ng
 RT: 7.88 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: BF108930.D
 Acq: 11 Sep 2018 12:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.8	42.7	82.7
98	35.7	18.1	58.1

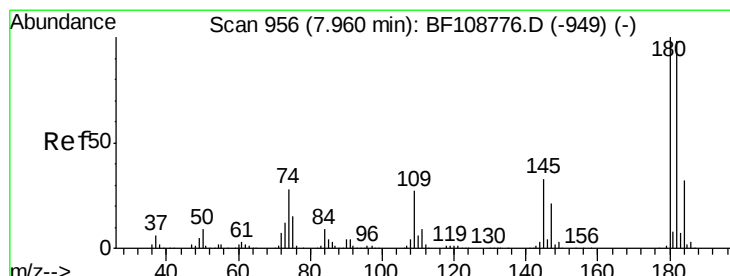
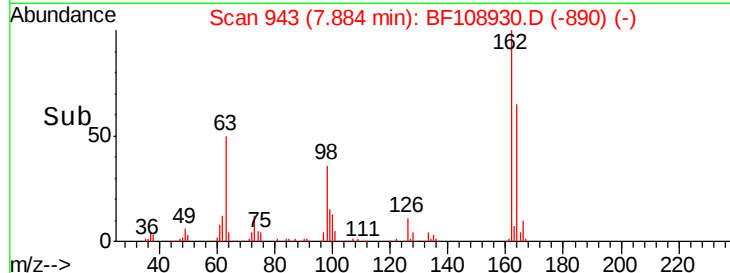
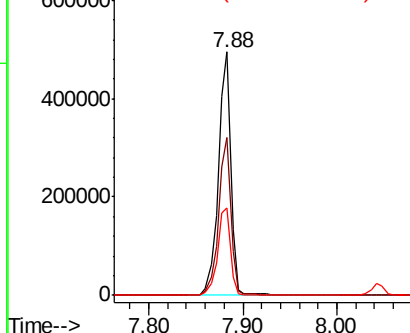


Abundance

Ion 162.00 (161.70 to 162.70): E

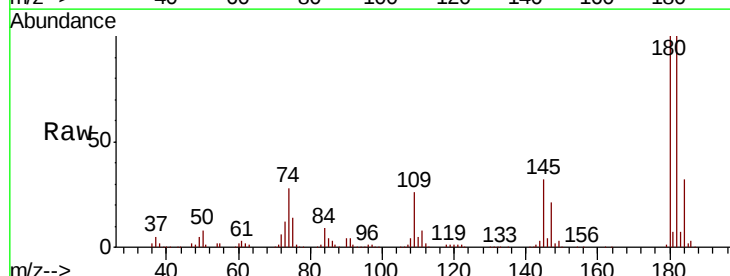
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
 1,2,4-Trichlorobenzene
 Concen: 46.692 ng
 RT: 7.97 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: BF108930.D
 Acq: 11 Sep 2018 12:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.5	76.8	115.2
145	32.4	26.5	39.7

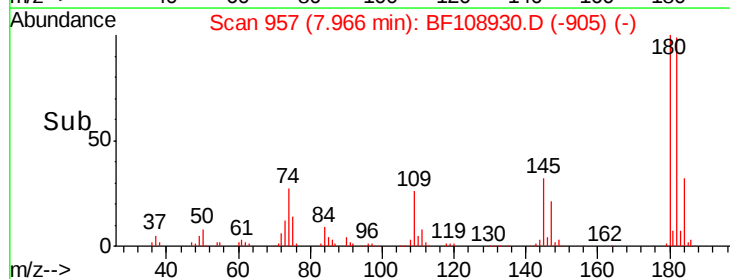
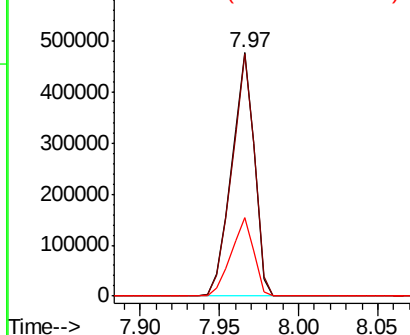


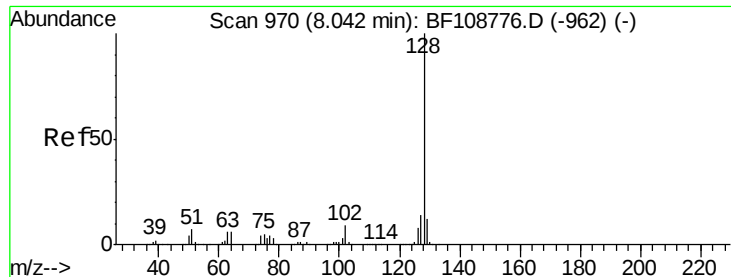
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

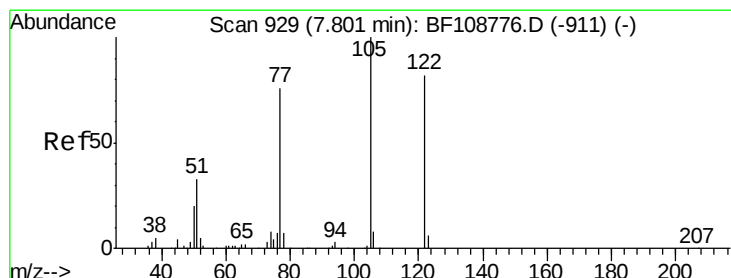
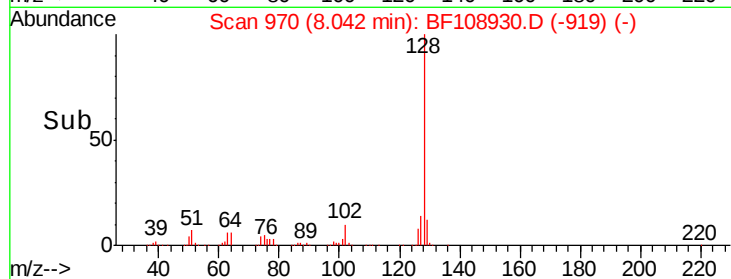
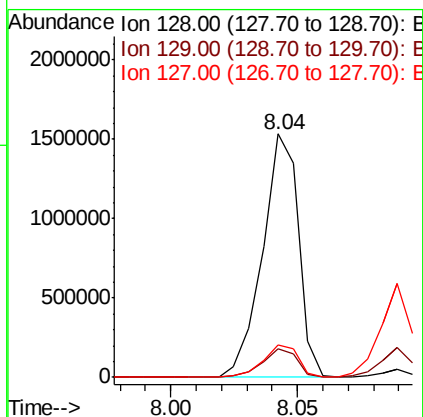
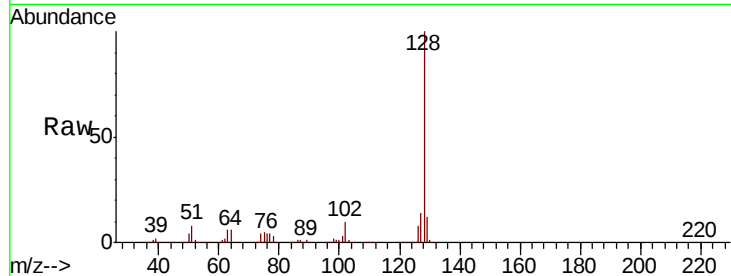




#31
Naphthalene
Concen: 51.235 ng
RT: 8.04 min Scan# 970
Delta R.T. 0.00 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

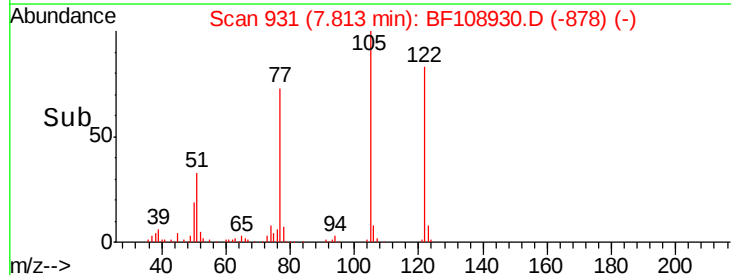
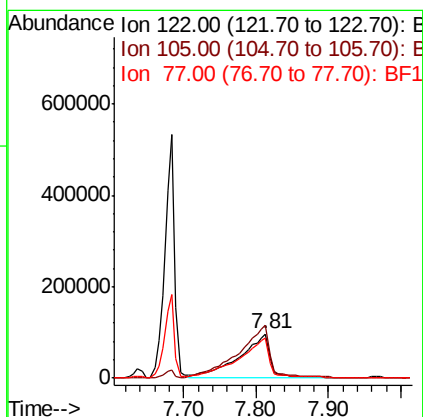
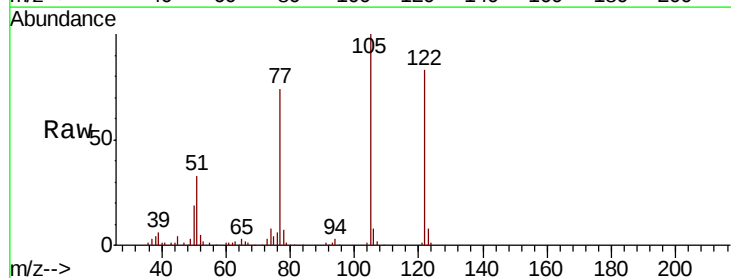
Instrument :
BNA_F
ClientSampleId :

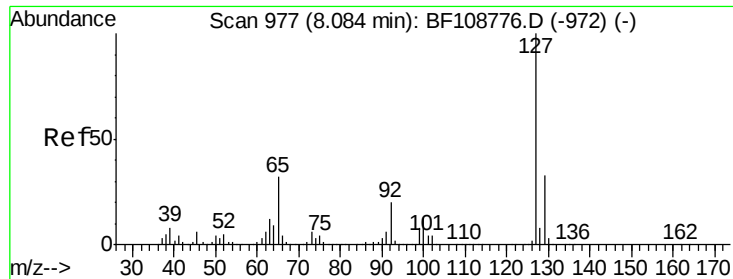
Tot Ion:128 Resp: 1528944
Ion Ratio Lower Upper
128 100
129 11.9 8.8 13.2
127 13.6 10.9 16.3



#32
Benzoic acid
Concen: 47.581 ng
RT: 7.81 min Scan# 931
Delta R.T. 0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Tgt Ion:122 Resp: 283505
Ion Ratio Lower Upper
122 100
105 120.6 101.1 141.1
77 89.5 70.7 110.7

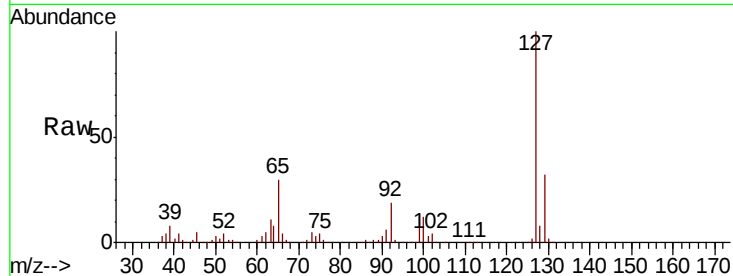




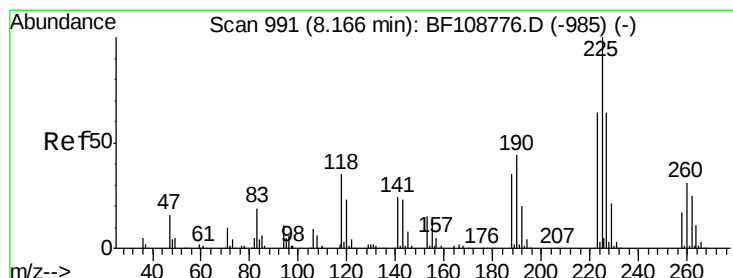
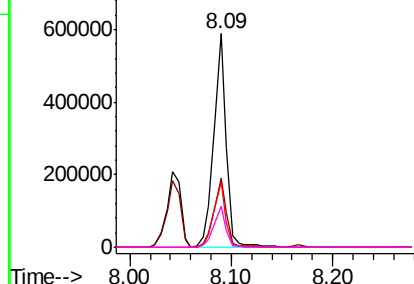
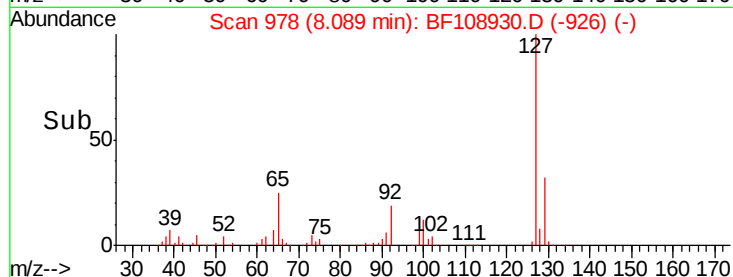
#33
4-Chloroaniline
Concen: 37.044 ng
RT: 8.09 min Scan# 978
Delta R.T. 0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	127	Resp:	507698
Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.9	38.9
65	30.3	25.0	37.4
92	19.0	15.2	22.8

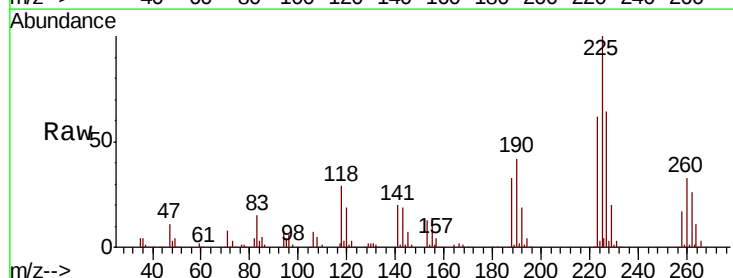


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

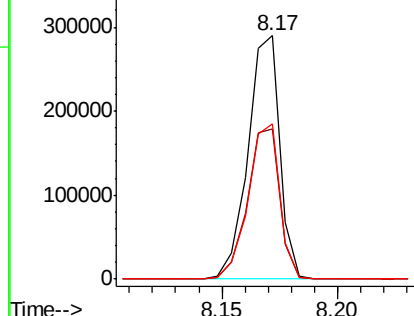
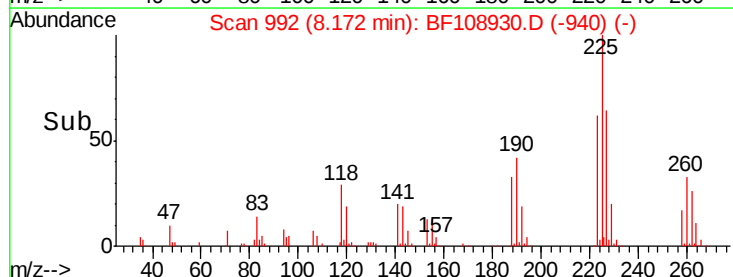


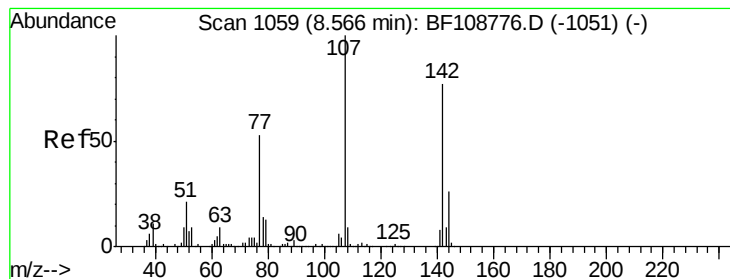
#34
Hexachlorobutadiene
Concen: 45.887 ng
RT: 8.17 min Scan# 992
Delta R.T. 0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Tgt Ion:	225	Resp:	278707
Ion	Ratio	Lower	Upper
225	100		
223	61.9	50.6	76.0
227	63.6	51.9	77.9



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





#36

4-Chloro-3-methylphenol

Concen: 48.552 ng

RT: 8.58 min Scan# 1061

Delta R.T. 0.01 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

Instrument :

BNA_F

ClientSampleId :

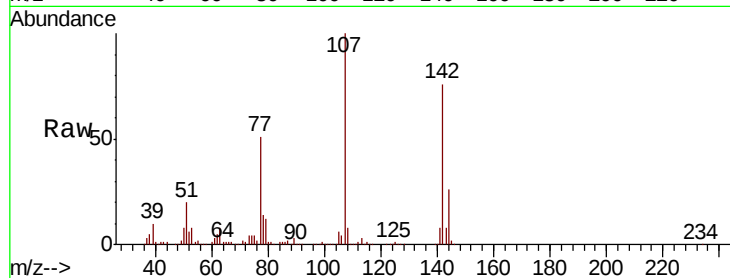
Tot Ion:107 Resp: 485221

Ion Ratio Lower Upper

107 100

144 26.2 20.5 30.7

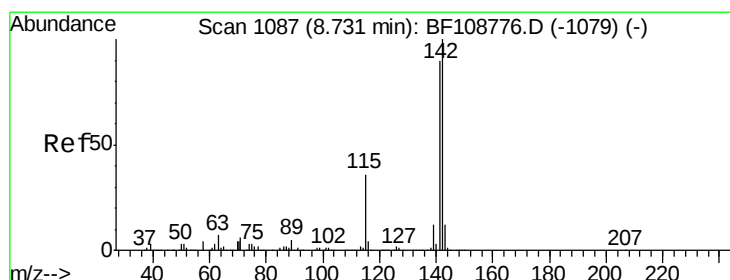
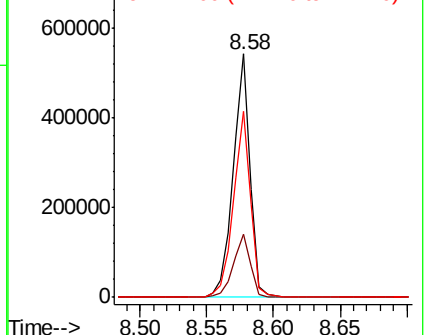
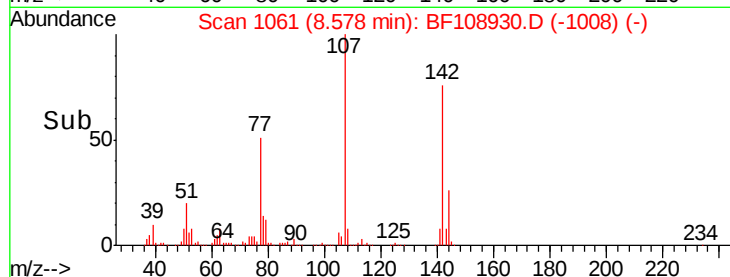
142 76.5 62.0 93.0



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#37

2-Methylnaphthalene

Concen: 51.810 ng

RT: 8.74 min Scan# 1088

Delta R.T. 0.01 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

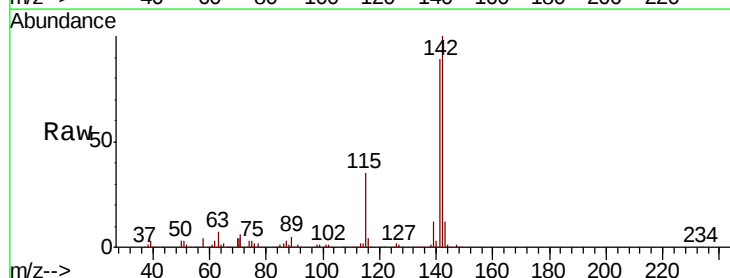
Tgt Ion:142 Resp: 1021410

Ion Ratio Lower Upper

142 100

141 89.1 70.8 106.2

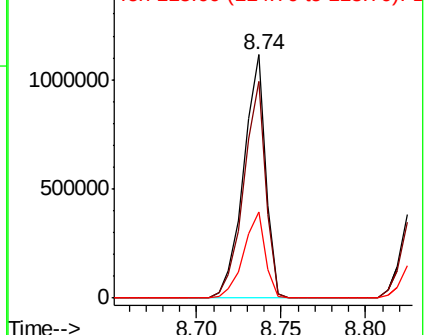
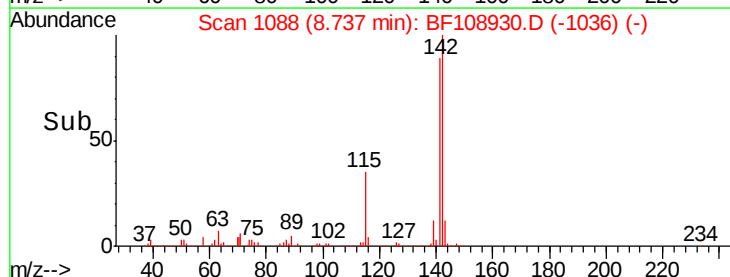
115 35.3 26.1 39.1

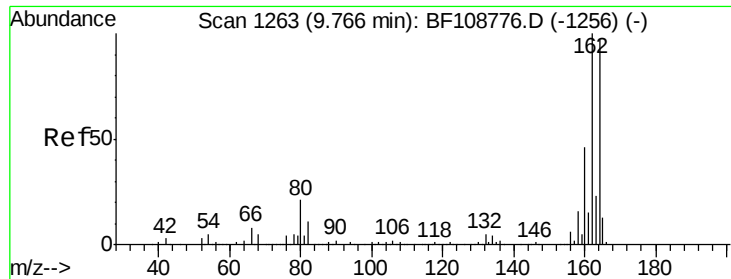


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

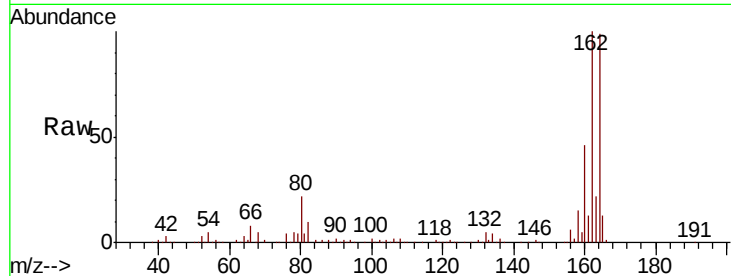




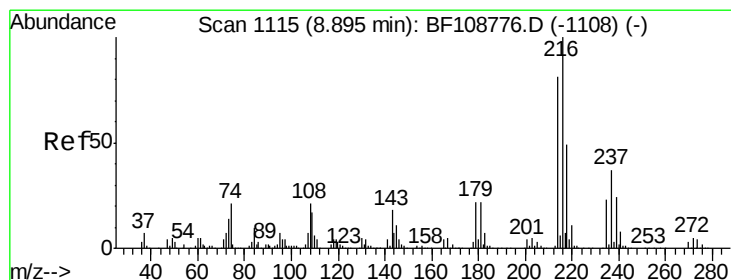
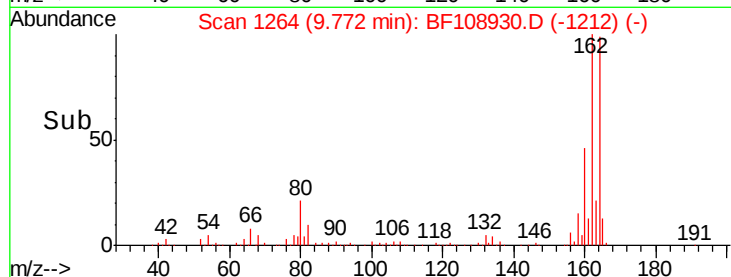
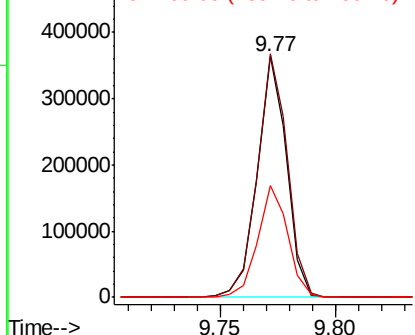
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1264
 Delta R.T. 0.01 min
 Lab File: BF108930.D
 Acq: 11 Sep 2018 12:56

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.2	86.1	129.1
160	46.4	38.3	57.5



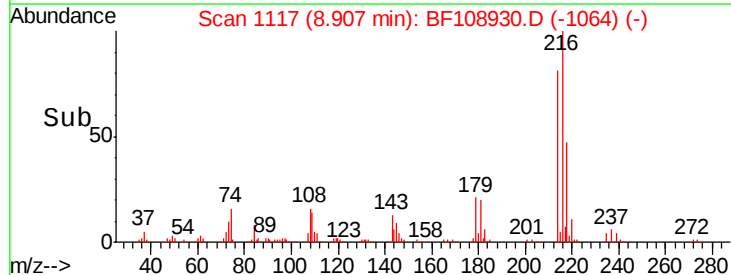
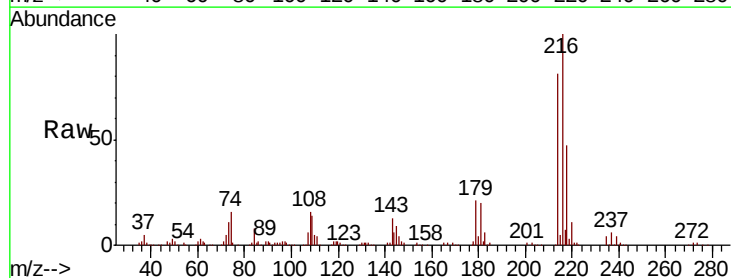
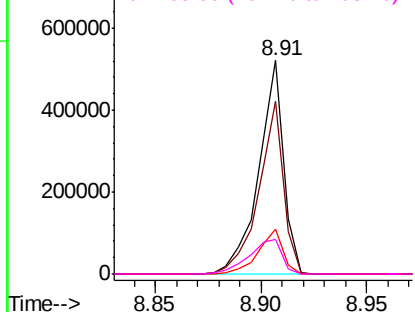
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

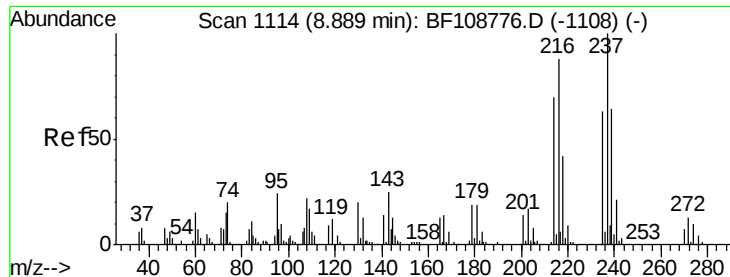


#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 44.834 ng
 RT: 8.91 min Scan# 1117
 Delta R.T. 0.01 min
 Lab File: BF108930.D
 Acq: 11 Sep 2018 12:56

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.8	63.0	94.4
179	21.0	18.1	27.1
108	21.9	17.2	25.8

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

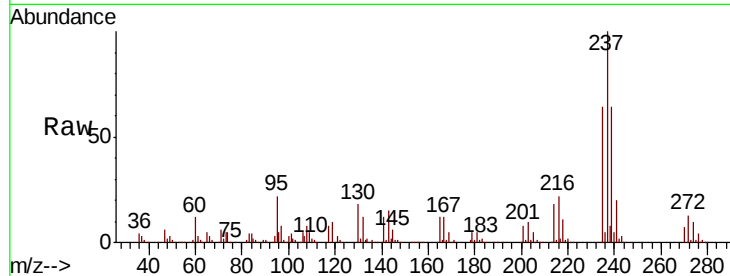




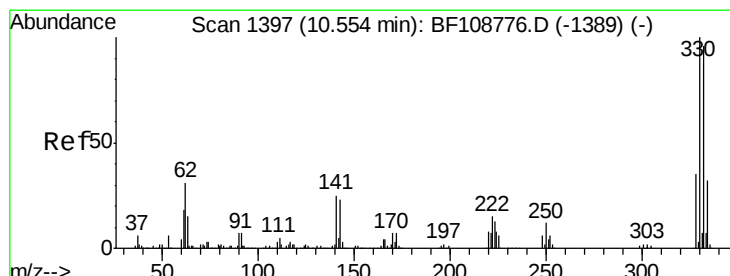
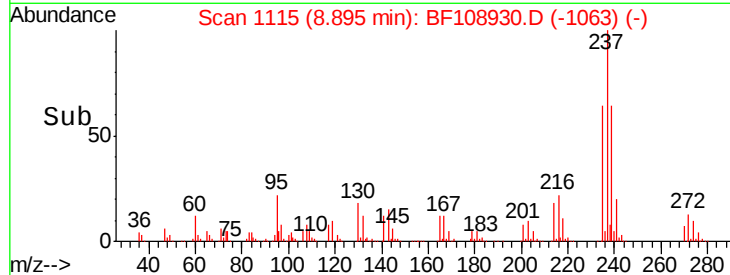
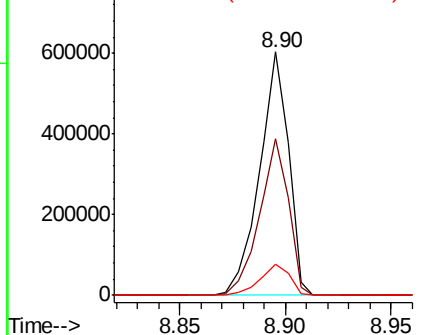
#40
Hexachlorocyclopentadiene
Concen: 119.071 ng
RT: 8.90 min Scan# 1115
Delta R.T. 0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
237	100		
235	64.2	44.8	84.8
272	12.7	0.0	33.3

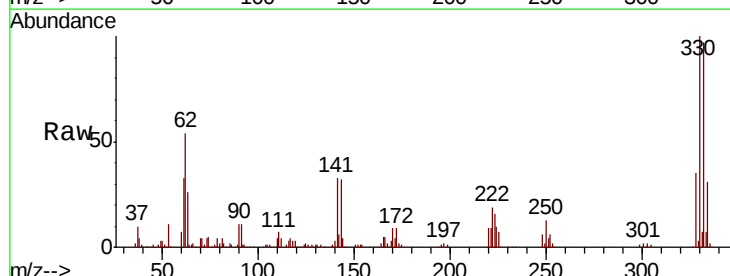


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

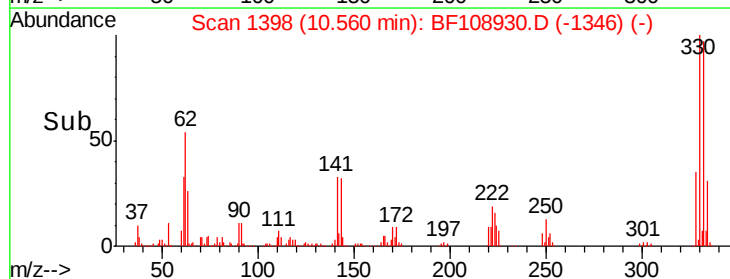
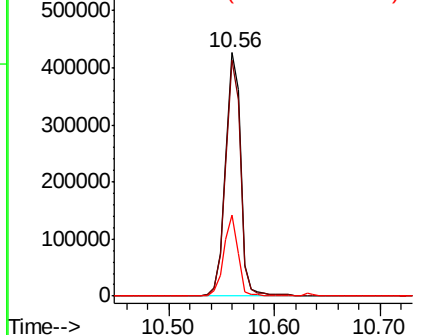


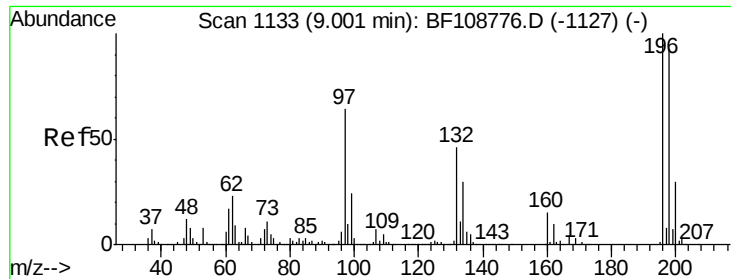
#41
2,4,6-Tribromophenol
Concen: 139.869 ng
RT: 10.56 min Scan# 1398
Delta R.T. 0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	31.6	29.9	44.9



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

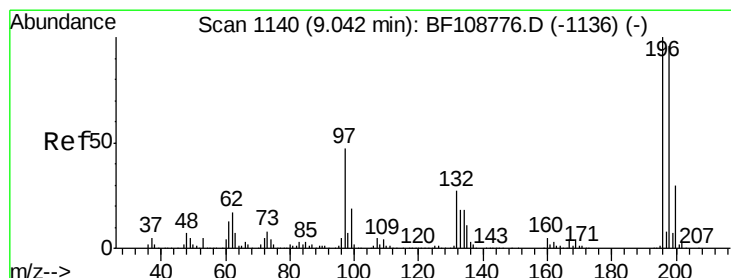
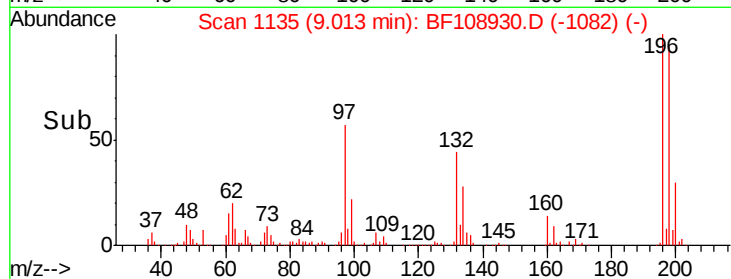
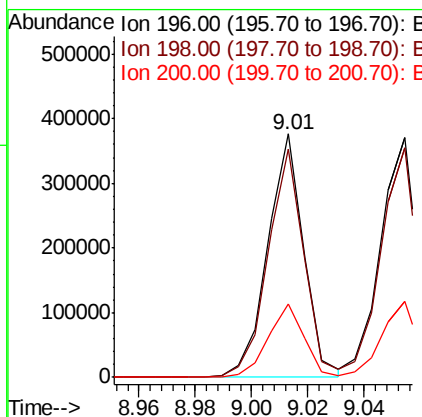
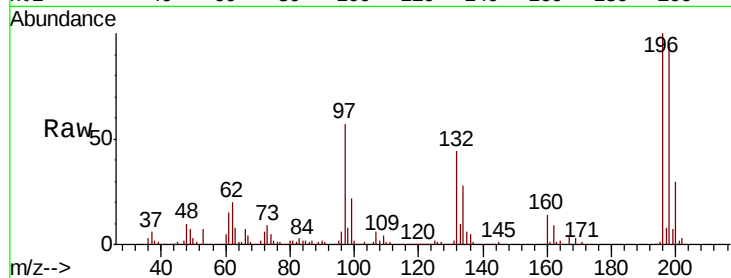




#42
 2,4,6-Trichlorophenol
 Concen: 50.672 ng
 RT: 9.01 min Scan# 1135
 Delta R.T. 0.01 min
 Lab File: BF108930.D
 Acq: 11 Sep 2018 12:56

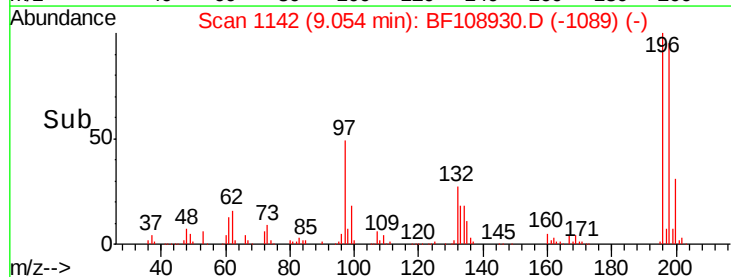
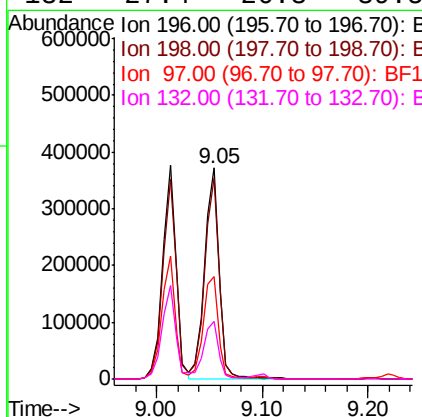
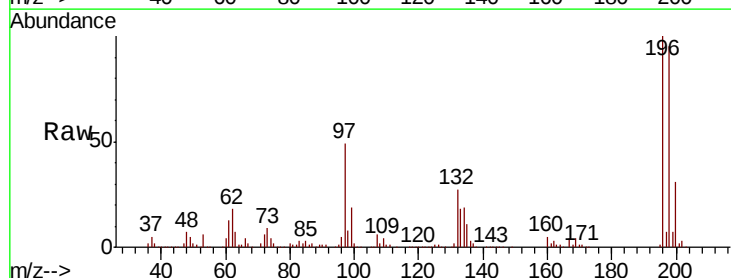
Instrument :
 BNA_F
 ClientSampled :

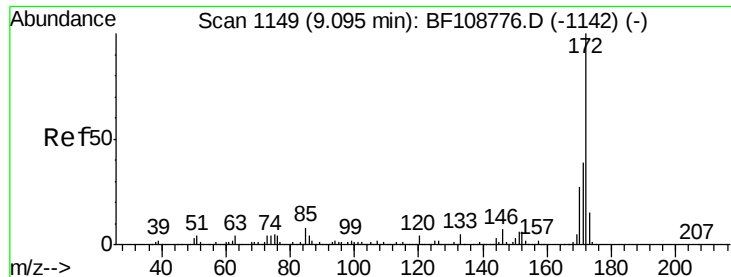
Tot Ion:196 Resp: 331591
 Ion Ratio Lower Upper
 196 100
 198 93.5 75.7 113.5
 200 30.3 24.5 36.7



#43
 2,4,5-Trichlorophenol
 Concen: 51.951 ng
 RT: 9.05 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: BF108930.D
 Acq: 11 Sep 2018 12:56

Tgt Ion:196 Resp: 352394
 Ion Ratio Lower Upper
 196 100
 198 95.4 74.6 112.0
 97 48.8 42.9 64.3
 132 27.4 26.3 39.5

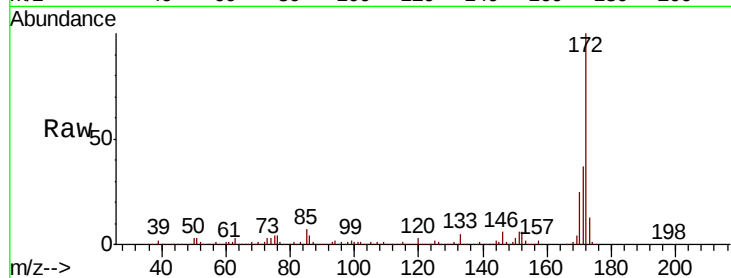




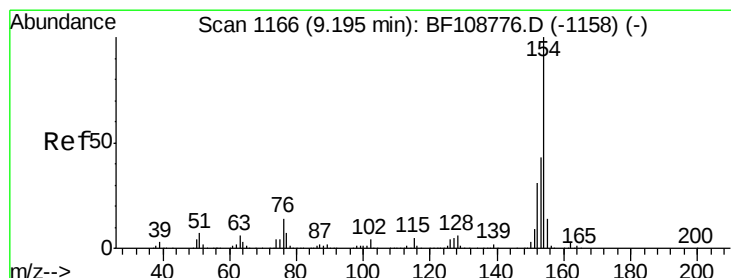
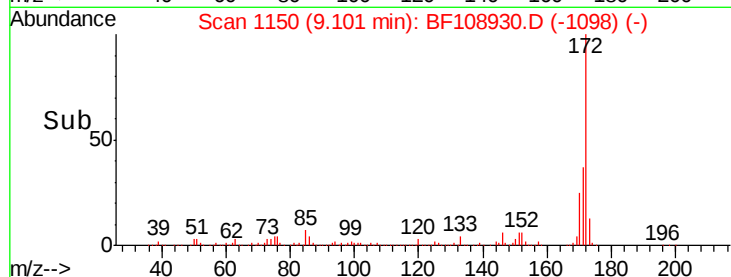
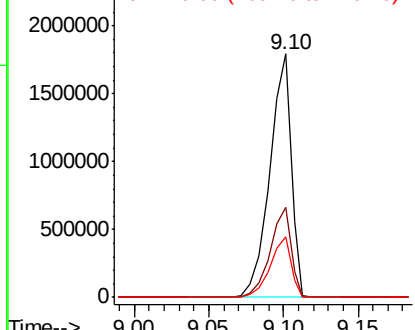
#44
2-Fluorobiphenyl
Concen: 94.128 ng
RT: 9.10 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1773309
Ion Ratio Lower Upper
172 100
171 37.0 29.7 44.5
170 25.1 19.6 29.4

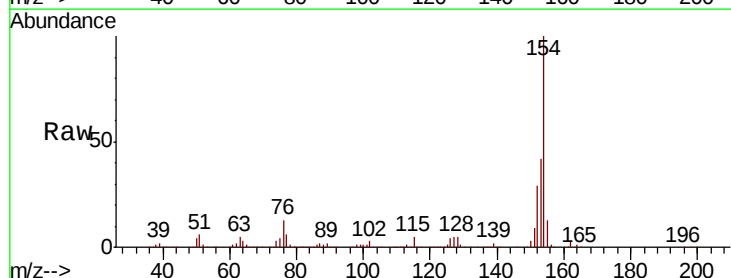


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

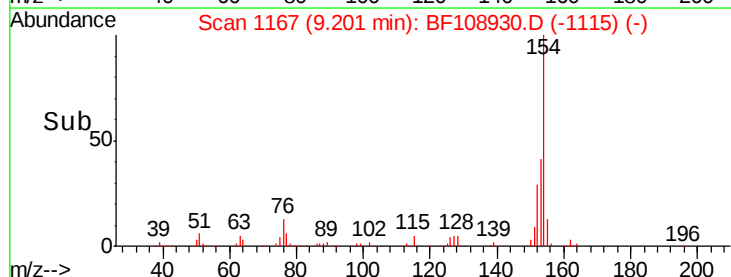
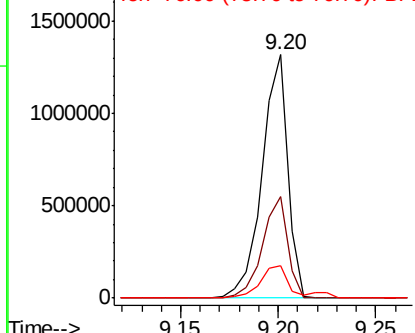


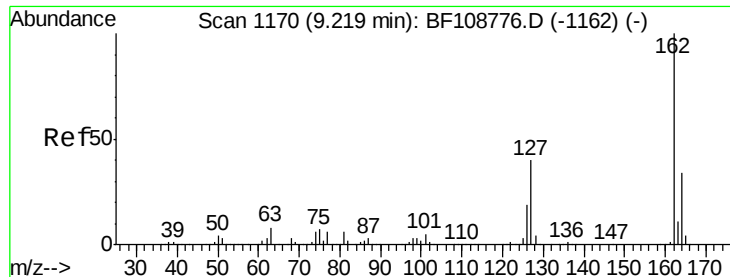
#45
1,1'-Biphenyl
Concen: 48.330 ng
RT: 9.20 min Scan# 1167
Delta R.T. 0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Tgt Ion:154 Resp: 1195849
Ion Ratio Lower Upper
154 100
153 41.5 21.3 61.3
76 13.1 0.0 34.0



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

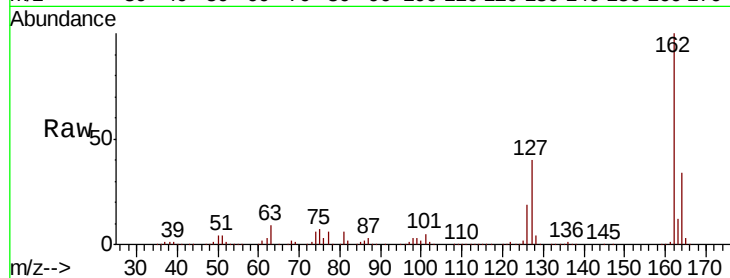




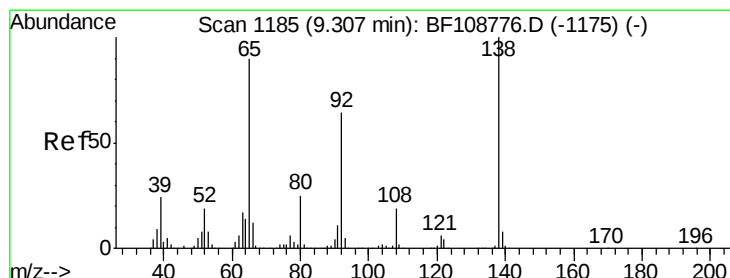
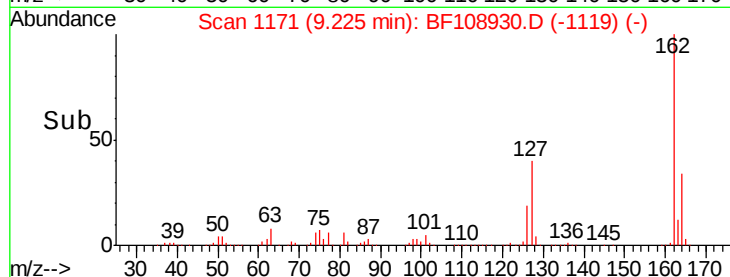
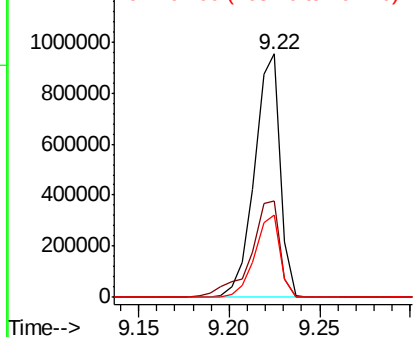
#46
2-Chloronaphthalene
Concen: 46.936 ng
RT: 9.22 min Scan# 1171
Delta R.T. 0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
127	39.7	33.9	50.9
164	34.0	26.5	39.7

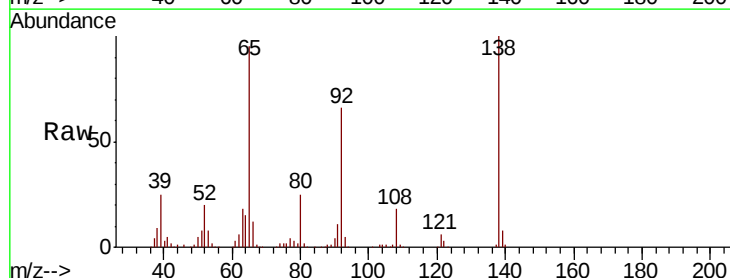


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

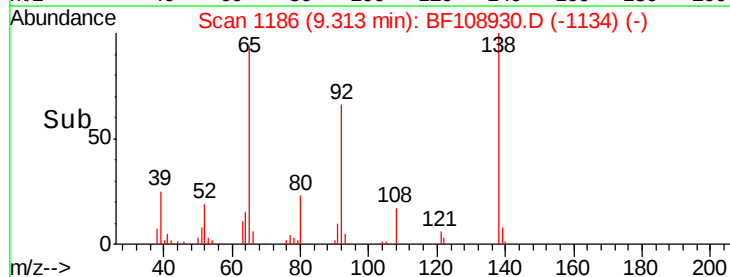
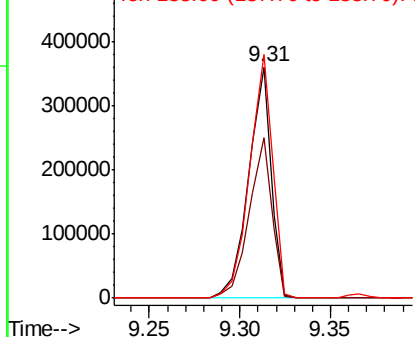


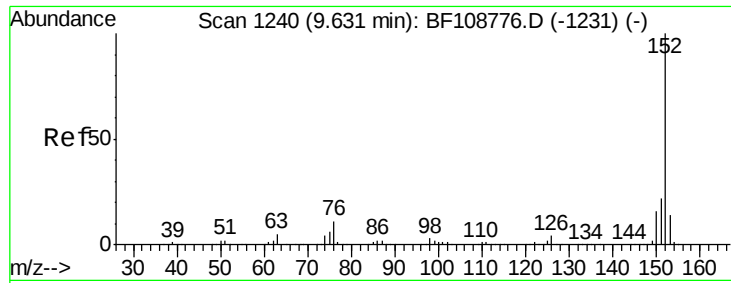
#47
2-Nitroaniline
Concen: 57.048 ng
RT: 9.31 min Scan# 1186
Delta R.T. 0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Tgt Ion	Ratio	Lower	Upper
65	100		
92	69.3	55.8	83.6
138	105.4	91.2	136.8



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

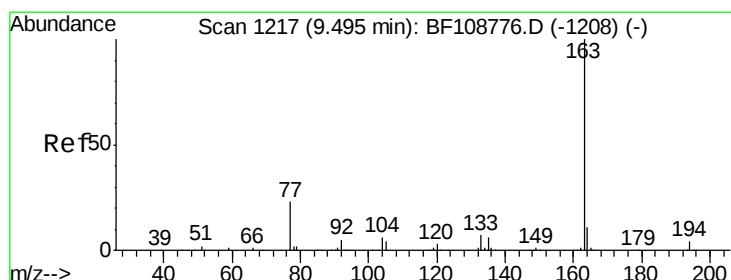
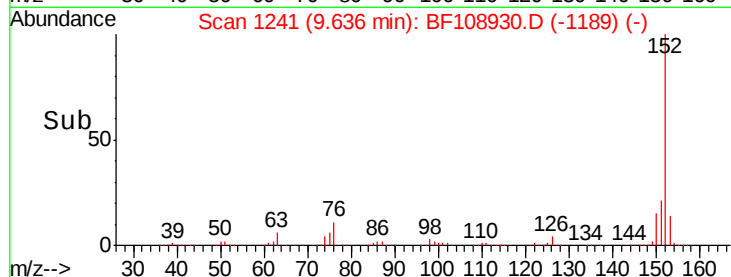
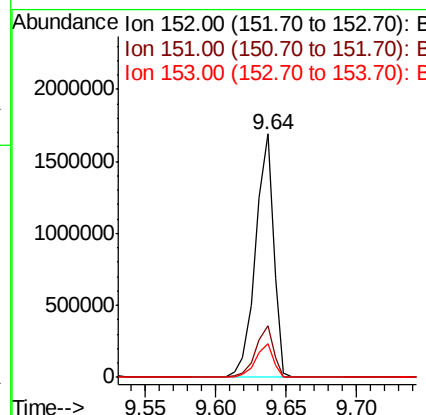
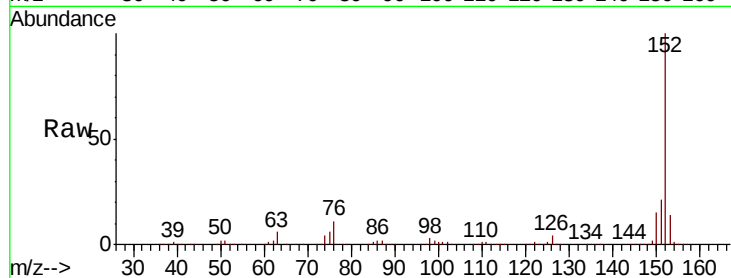




#48
Acenaphthylene
Concen: 51.507 ng
RT: 9.64 min Scan# 1241
Delta R.T. 0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

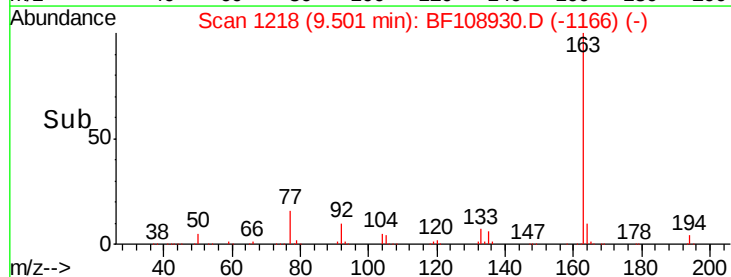
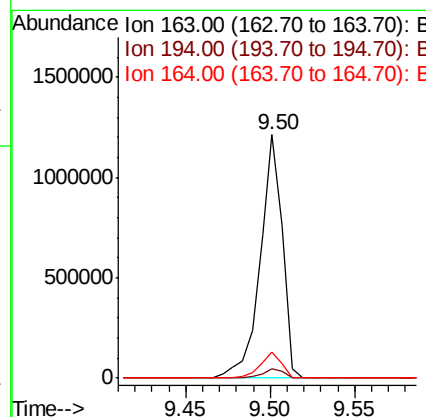
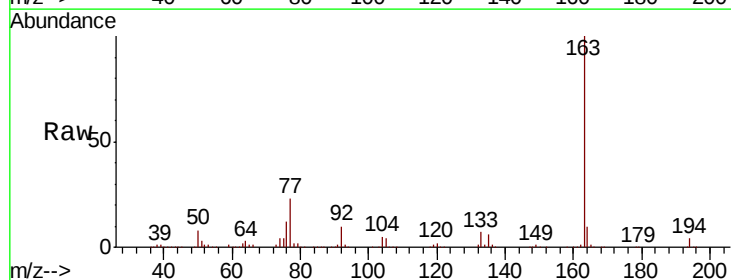
Instrument :
BNA_F
ClientSampled :

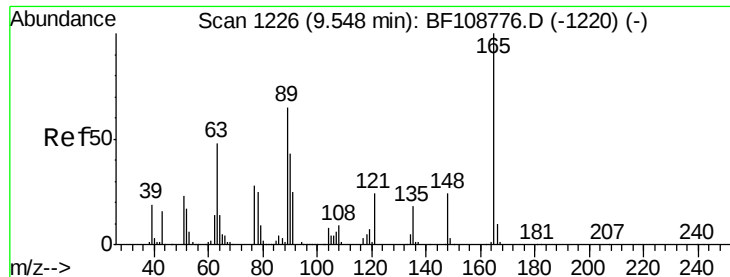
Tot Ion:152 Resp: 1536347
Ion Ratio Lower Upper
152 100
151 21.0 16.3 24.5
153 13.6 10.7 16.1



#49
Dimethylphthalate
Concen: 49.353 ng
RT: 9.50 min Scan# 1218
Delta R.T. 0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Tgt Ion:163 Resp: 1109429
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 10.5 8.2 12.2

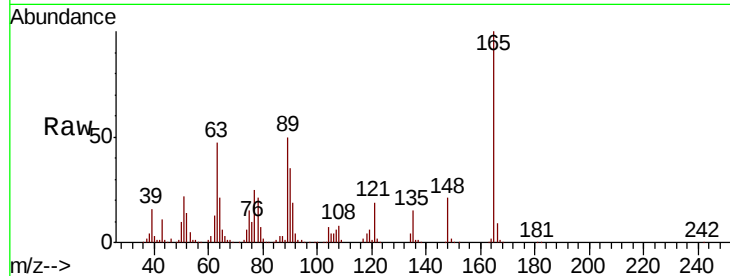




#50
 2,6-Dinitrotoluene
 Concen: 58.809 ng
 RT: 9.56 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: BF108930.D
 Acq: 11 Sep 2018 12:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	46.7	44.7	67.1
89	50.1	44.0	66.0

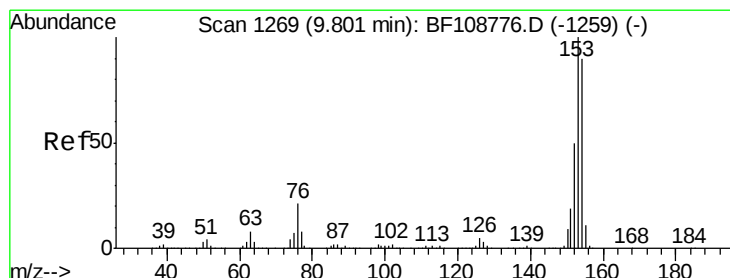
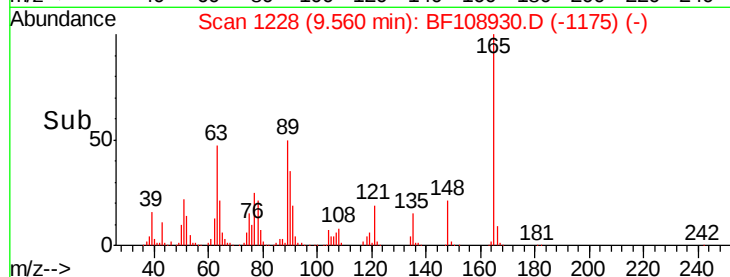
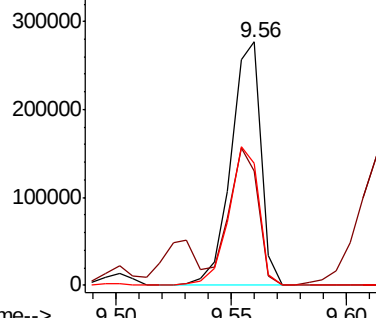


Abundance

Ion 165.00 (164.70 to 165.70): E

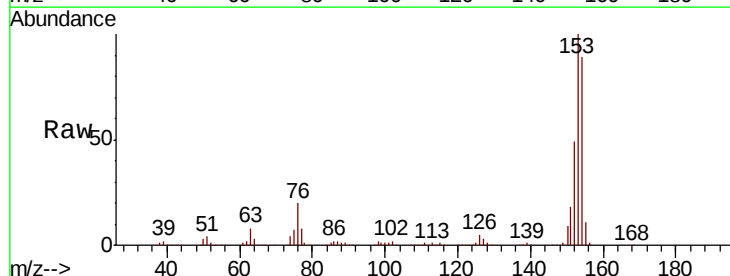
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#51
 Acenaphthene
 Concen: 48.657 ng
 RT: 9.81 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: BF108930.D
 Acq: 11 Sep 2018 12:56

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.6	91.2	136.8
152	55.3	43.8	65.8

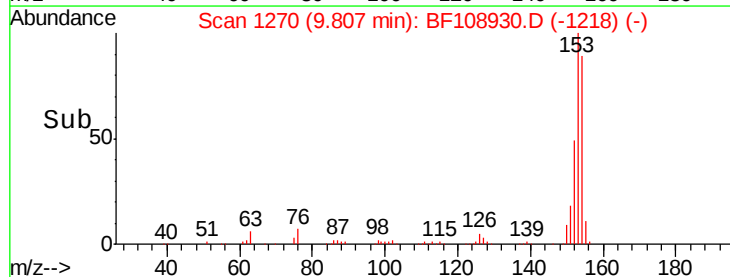
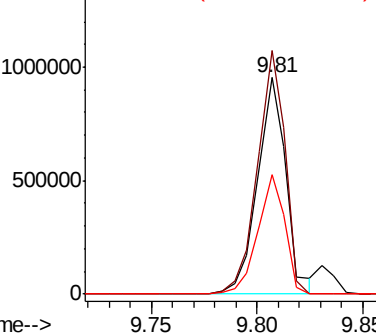


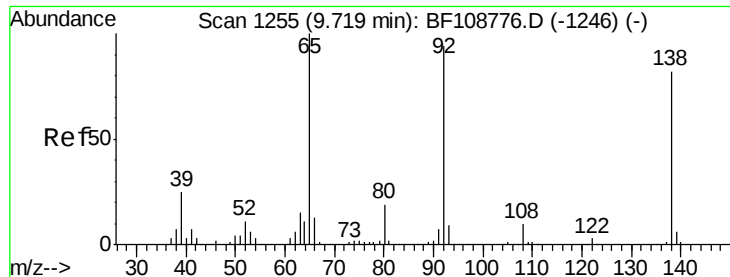
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#52

3-Nitroaniline

Concen: 44.702 ng

RT: 9.72 min Scan# 1256

Delta R.T. 0.01 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

Instrument :

BNA_F

ClientSampleId :

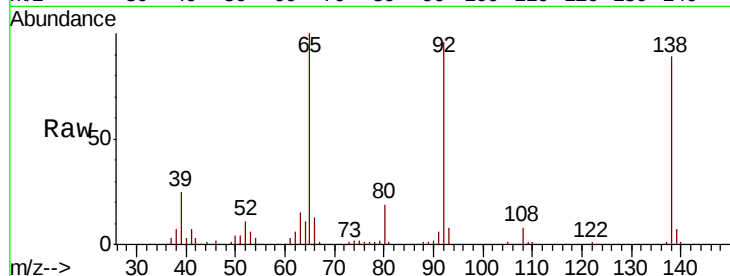
Tot Ion:138 Resp: 227931

Ion Ratio Lower Upper

138 100

108 9.5 9.4 14.0

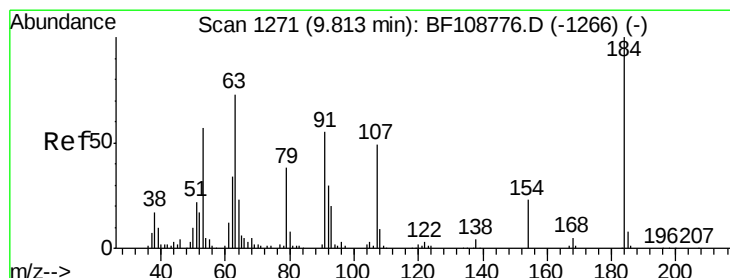
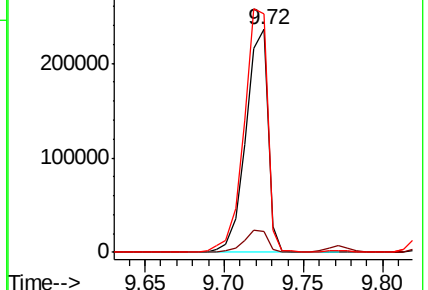
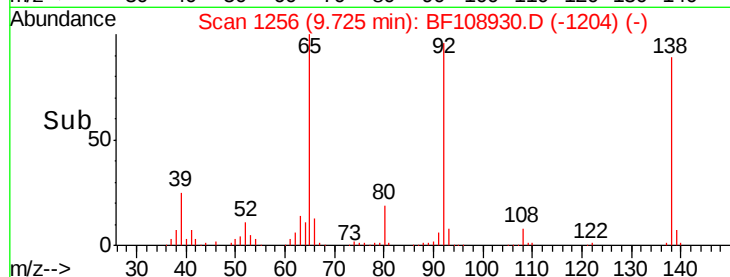
92 107.3 89.4 134.2



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#53

2,4-Dinitrophenol

Concen: 114.495 ng

RT: 9.83 min Scan# 1274

Delta R.T. 0.02 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

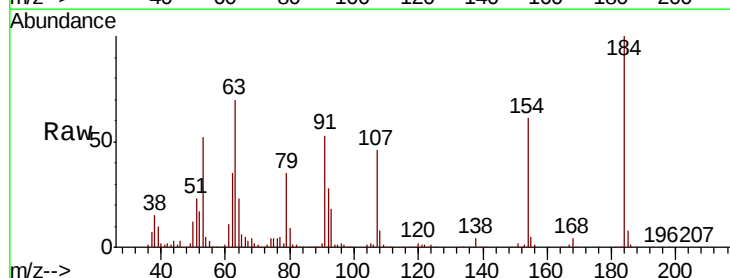
Tgt Ion:184 Resp: 187296

Ion Ratio Lower Upper

184 100

63 70.0 54.2 81.2

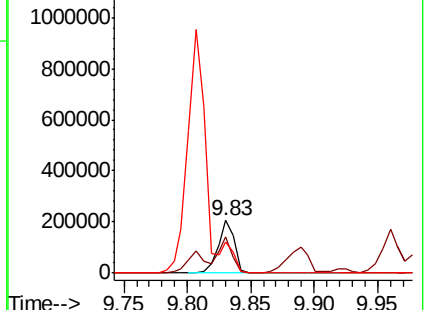
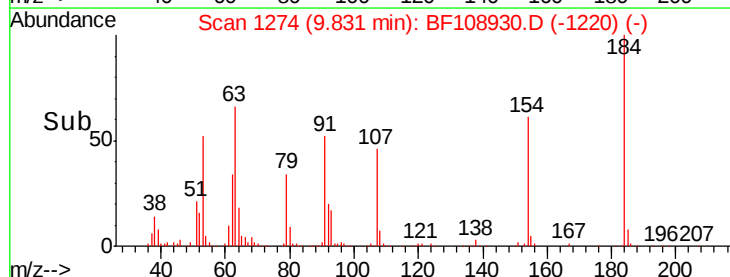
154 60.6 184.0 276.0#

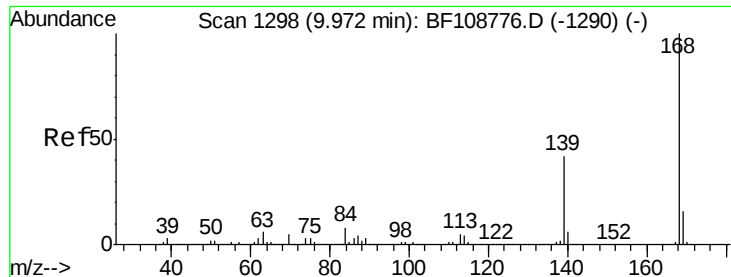


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

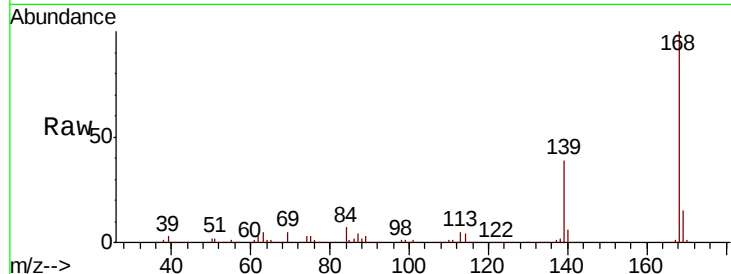




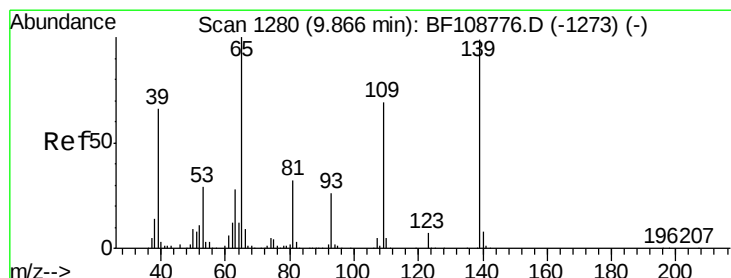
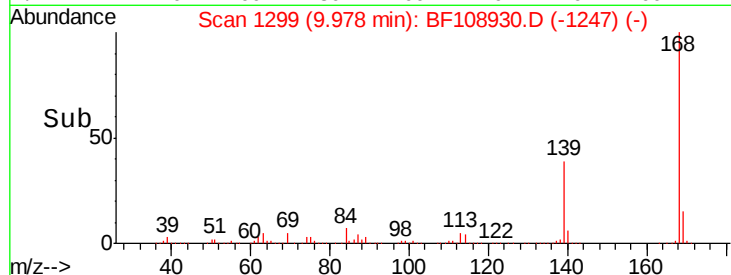
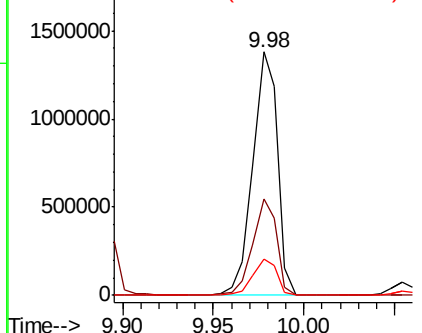
#54
Dibenzenofuran
Concen: 48.581 ng
RT: 9.98 min Scan# 1299
Delta R.T. 0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 1307125
Ion Ratio Lower Upper
168 100
139 39.4 30.1 45.1
169 15.0 10.9 16.3

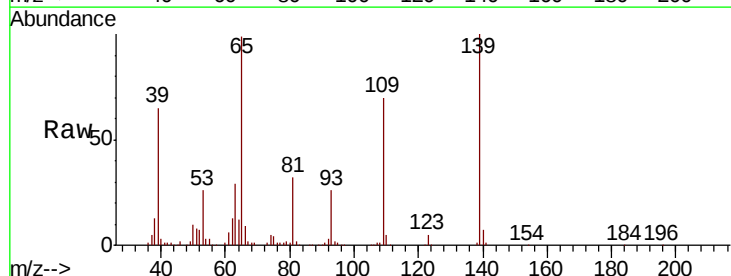


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

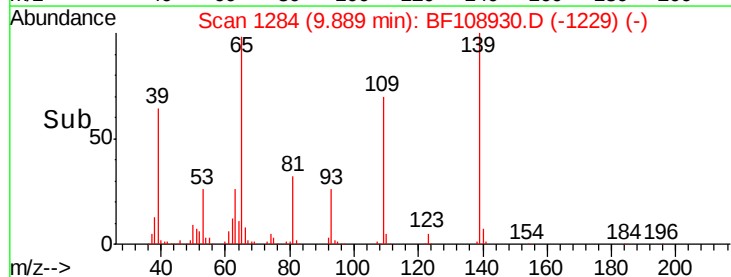
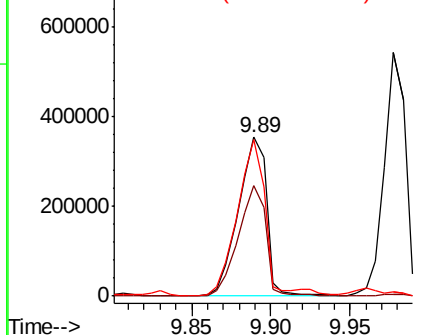


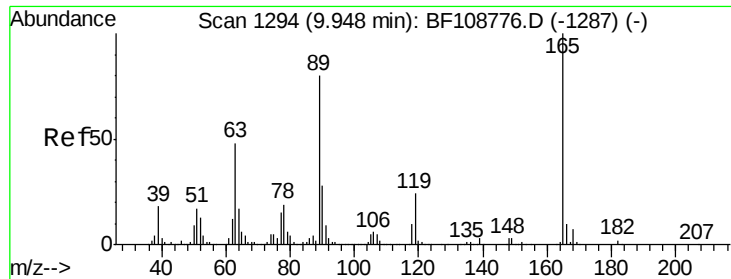
#55
4-Nitrophenol
Concen: 115.275 ng
RT: 9.89 min Scan# 1284
Delta R.T. 0.02 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Tgt Ion:139 Resp: 439412
Ion Ratio Lower Upper
139 100
109 69.6 48.4 88.4
65 98.5 72.6 112.6



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

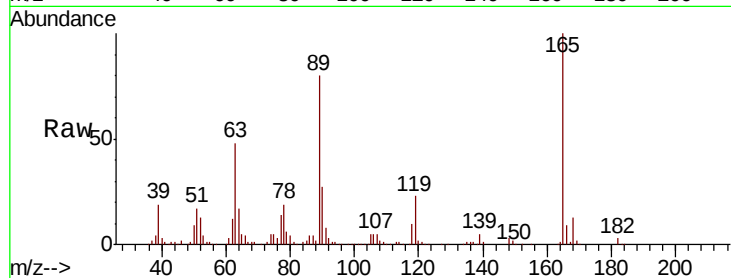




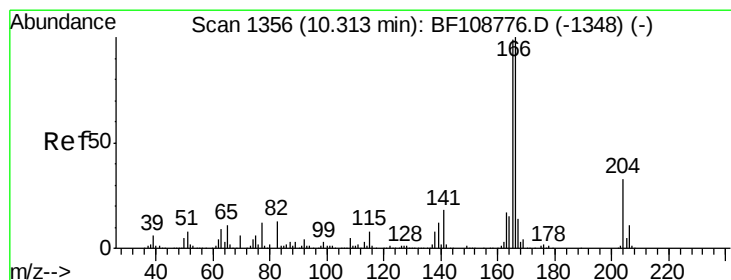
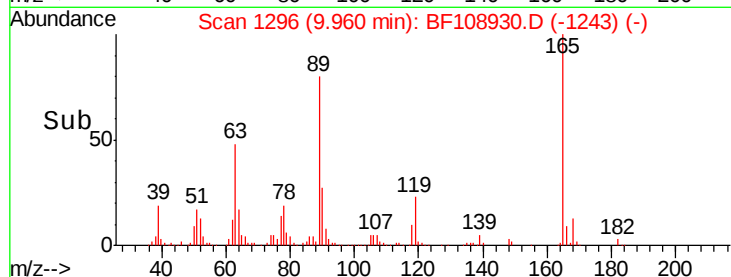
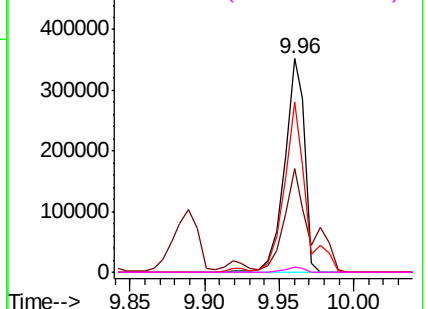
#56
2,4-Dinitrotoluene
Concen: 60.846 ng
RT: 9.96 min Scan# 1296
Delta R.T. 0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 333306
Ion Ratio Lower Upper
165 100
63 48.4 36.4 54.6
89 79.9 57.8 86.6
182 2.6 1.6 2.4#

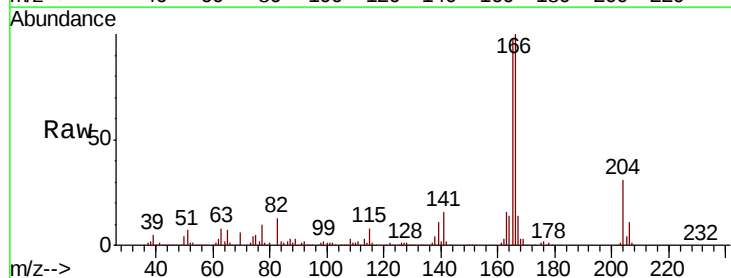


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

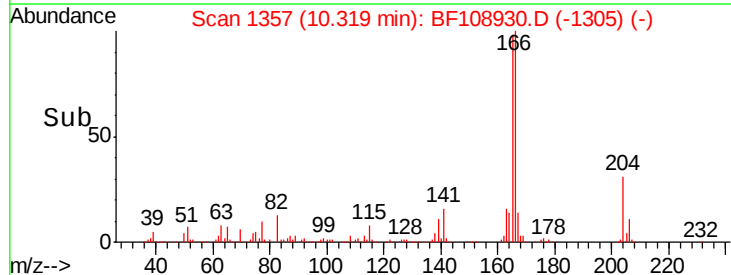
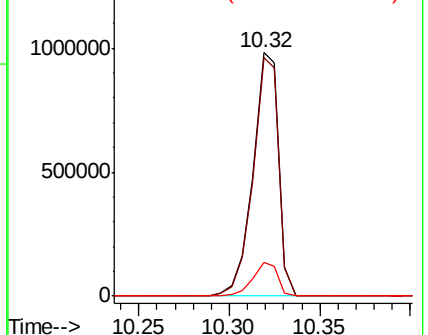


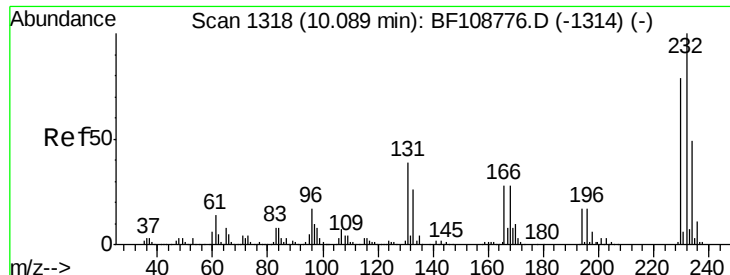
#57
Fluorene
Concen: 55.794 ng
RT: 10.32 min Scan# 1357
Delta R.T. 0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Tgt Ion:166 Resp: 963368
Ion Ratio Lower Upper
166 100
165 98.2 79.8 119.8
167 13.8 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

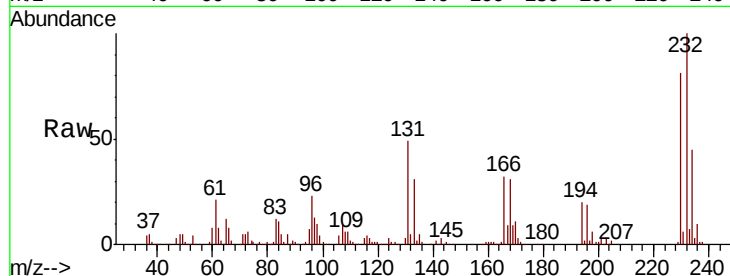




#58
2,3,4,6-Tetrachlorophenol
Concen: 54.374 ng
RT: 10.10 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
232	100		
131	44.7	43.8	65.8
130	2.2	2.1	3.1
166	29.2	27.8	41.6



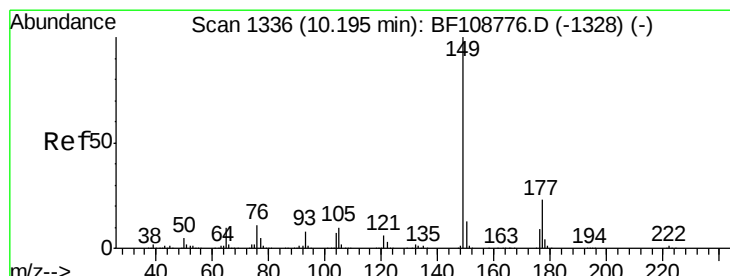
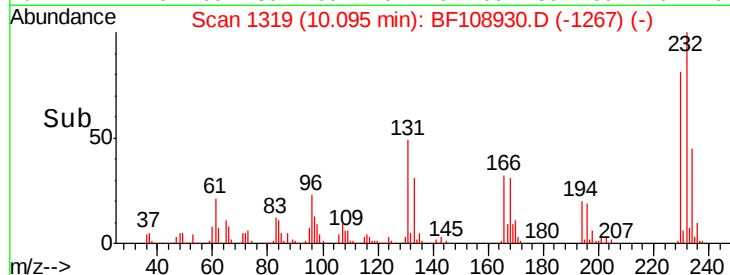
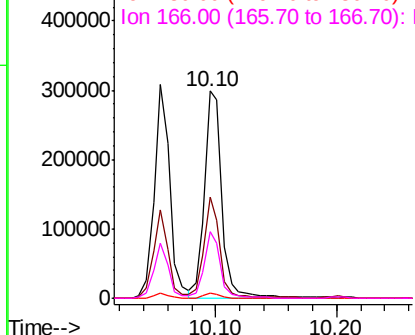
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

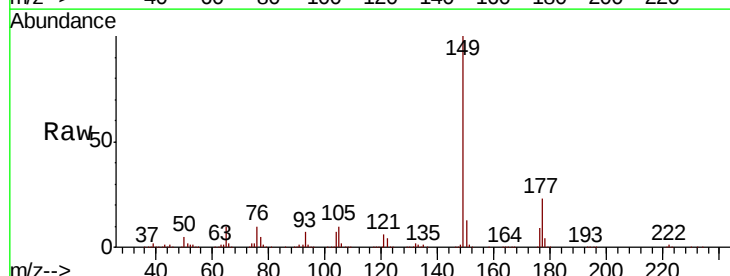
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#59
Diethylphthalate
Concen: 47.269 ng
RT: 10.20 min Scan# 1337
Delta R.T. 0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.7	16.1	24.1
150	12.9	10.1	15.1

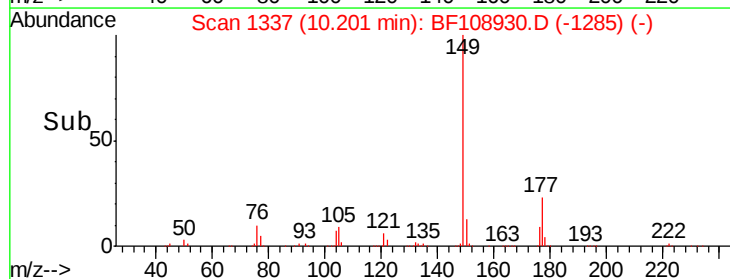
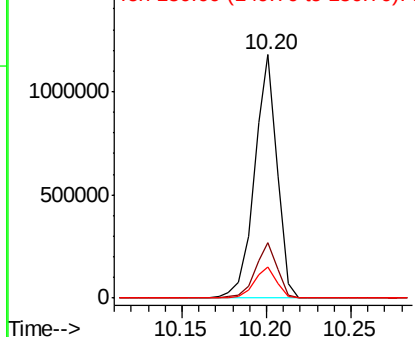


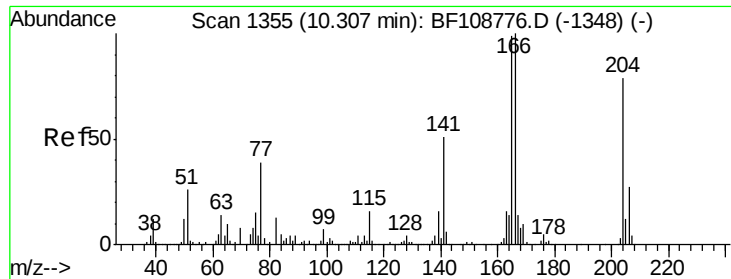
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

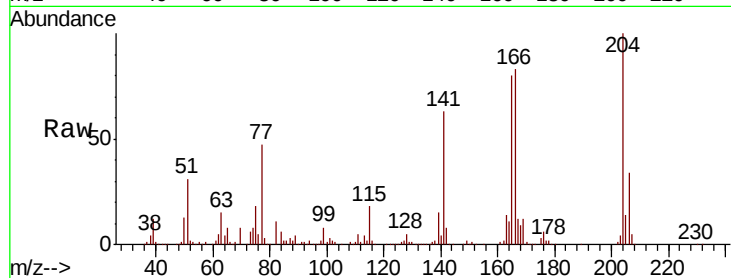




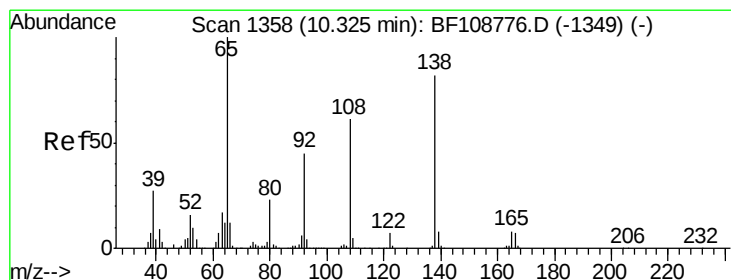
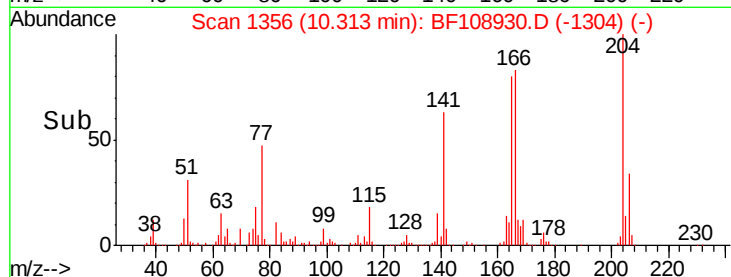
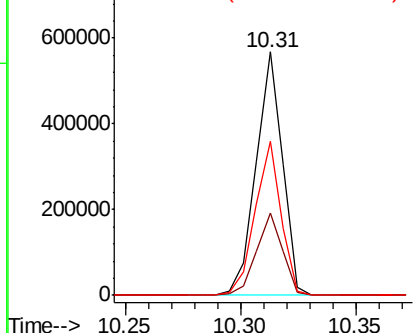
#60
4-Chlorophenyl-phenylether
Concen: 49.580 ng
RT: 10.31 min Scan# 1356
Delta R.T. 0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:204 Resp: 457204
Ion Ratio Lower Upper
204 100
206 33.7 26.5 39.7
141 63.2 54.6 81.8

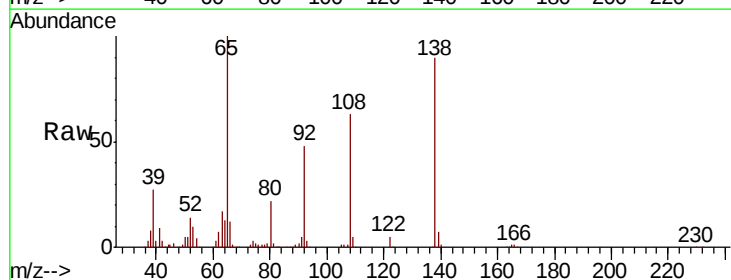


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

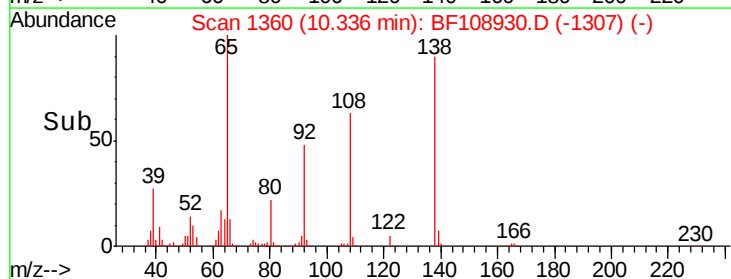
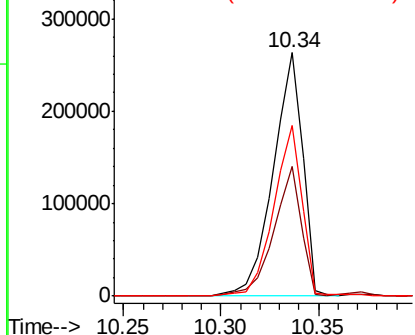


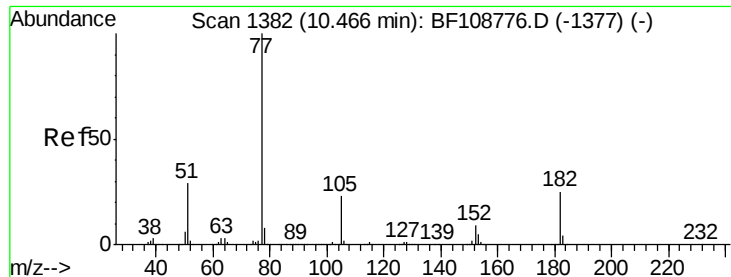
#61
4-Nitroaniline
Concen: 59.828 ng
RT: 10.34 min Scan# 1360
Delta R.T. 0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Tgt Ion:138 Resp: 276354
Ion Ratio Lower Upper
138 100
92 53.2 30.2 70.2
108 70.2 52.5 92.5



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





#62

Azobenzene

Concen: 48.204 ng

RT: 10.47 min Scan# 1383

Delta R.T. 0.01 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 1154268

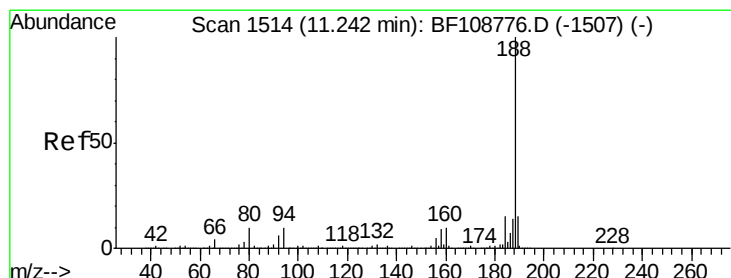
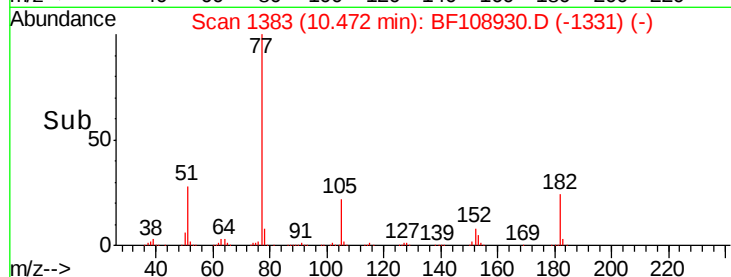
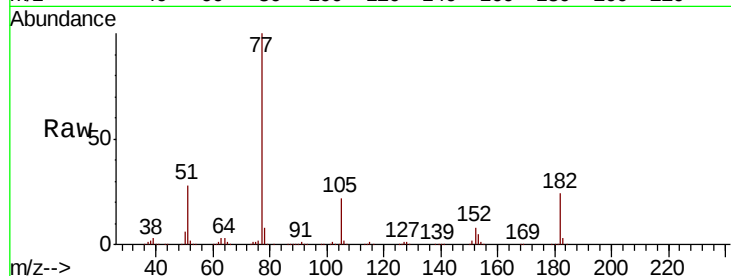
Ion	Ratio	Lower	Upper
77	100		
182	23.5	1.7	41.7
105	22.0	3.0	43.0
51	28.0	9.9	49.9

Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1515

Delta R.T. 0.01 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

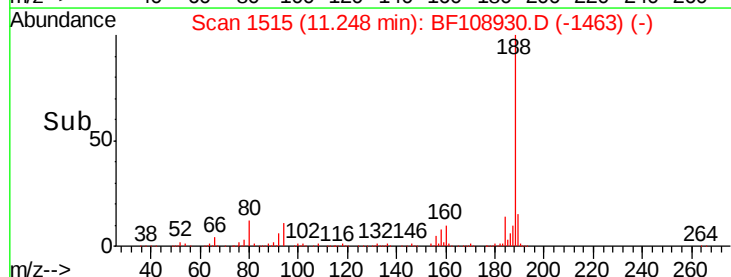
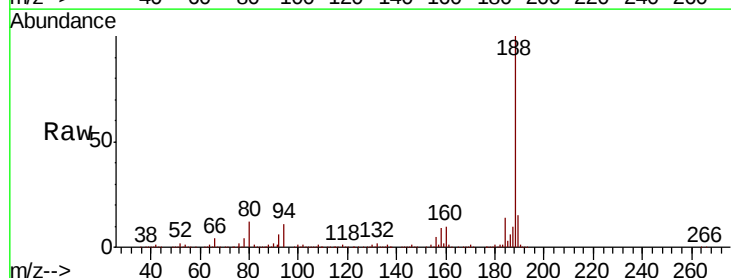
Tgt Ion: 188 Resp: 623288

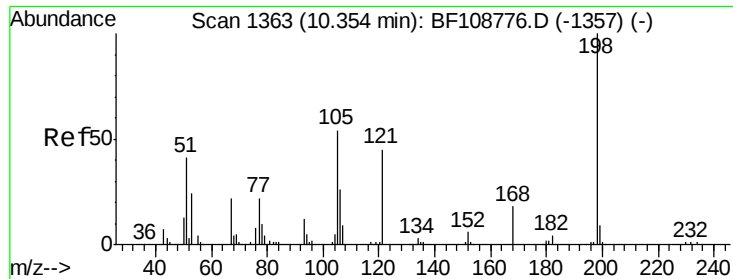
Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.5	12.7
80	11.6	9.2	13.8

Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 52.508 ng

RT: 10.37 min Scan# 1366

Delta R.T. 0.02 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

Instrument :

BNA_F

ClientSampleId :

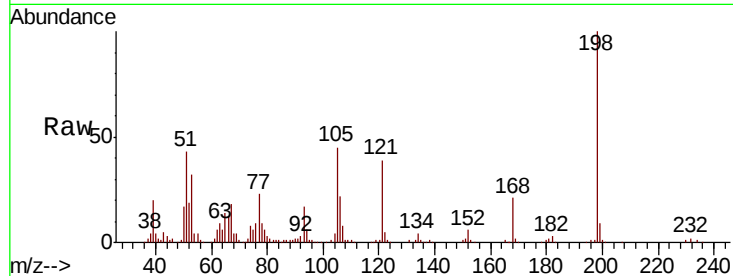
Tot Ion:198 Resp: 130548

Ion Ratio Lower Upper

198 100

51 42.5 37.7 77.7

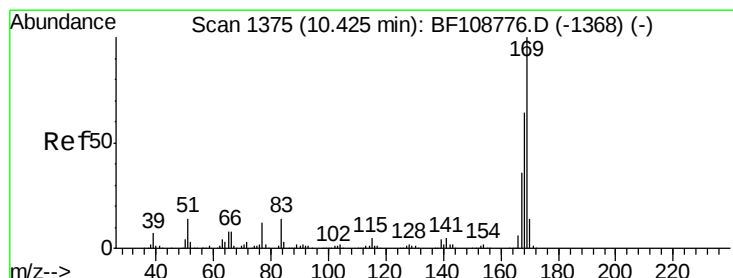
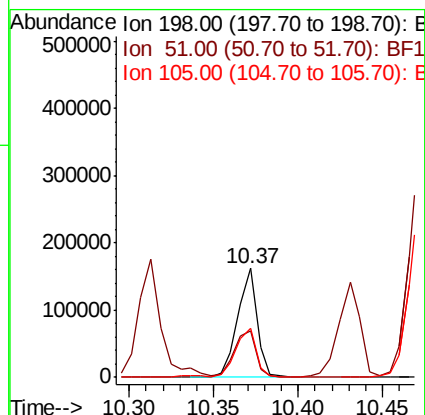
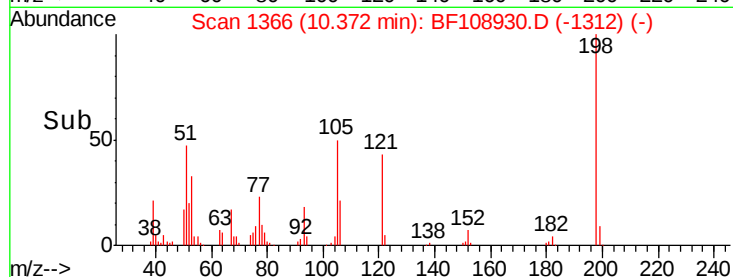
105 45.0 36.3 76.3



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 46.295 ng

RT: 10.43 min Scan# 1376

Delta R.T. 0.01 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

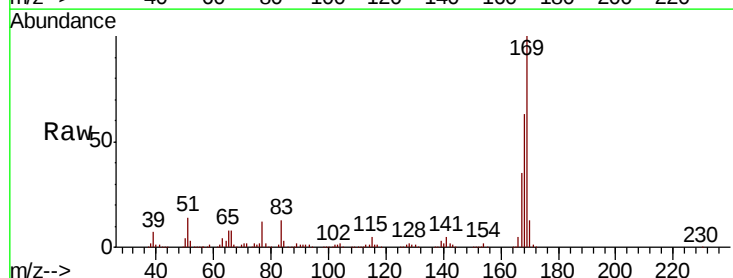
Tgt Ion:169 Resp: 959382

Ion Ratio Lower Upper

169 100

168 63.4 54.4 81.6

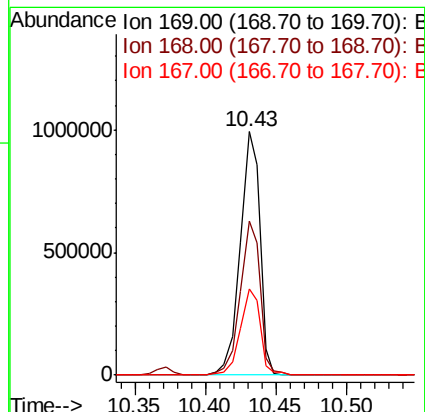
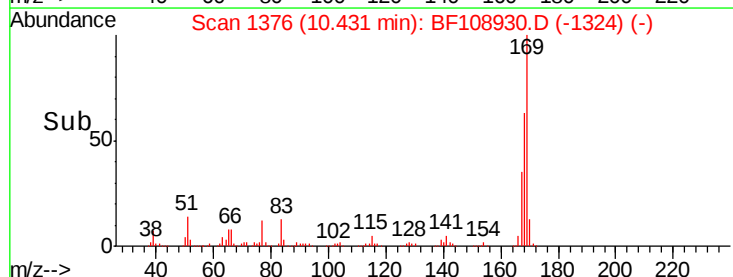
167 35.2 29.8 44.6

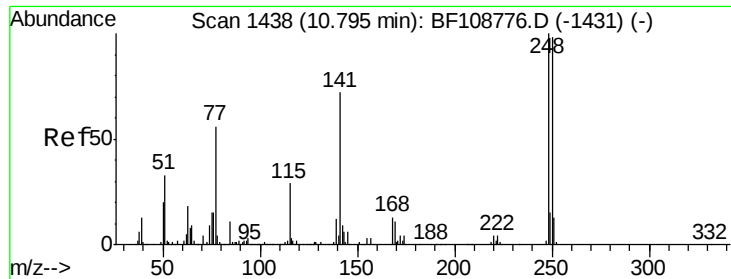


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

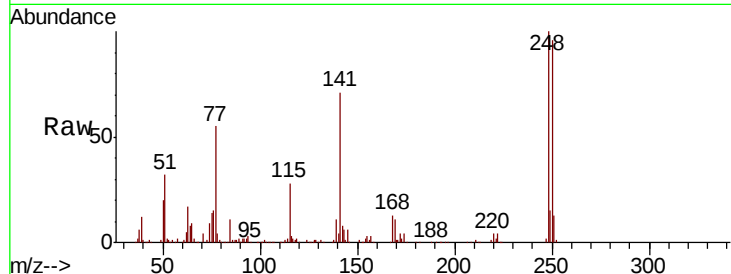




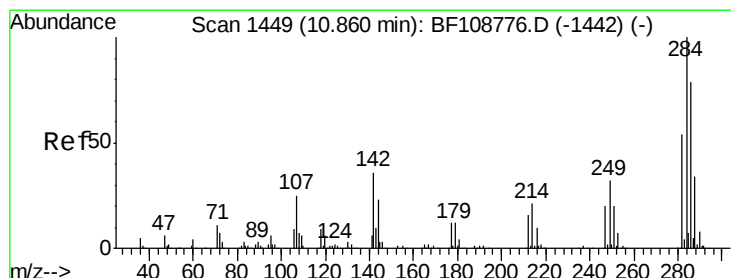
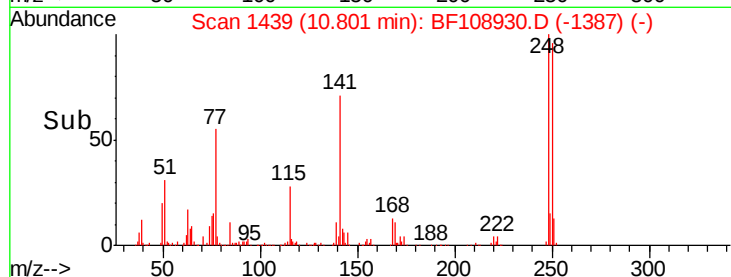
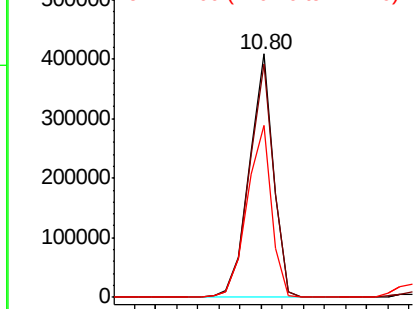
#66
4-Bromophenyl-phenylether
Concen: 46.017 ng
RT: 10.80 min Scan# 1439
Delta R.T. 0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	95.9	76.9	115.3
141	70.7	74.4	111.6#

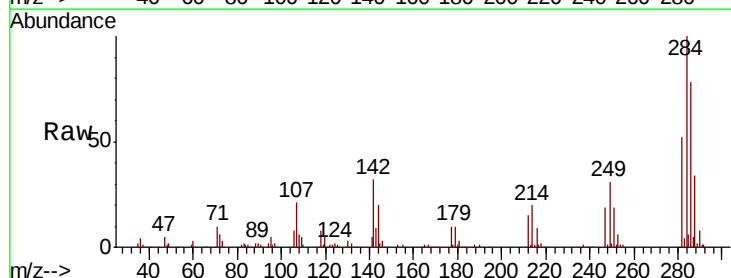


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

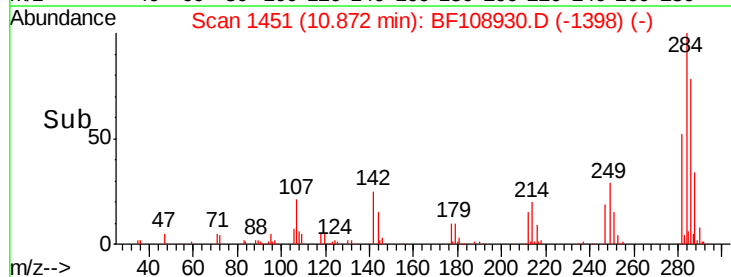
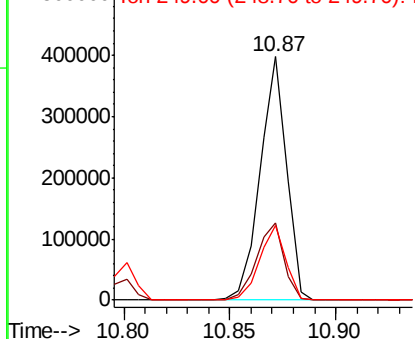


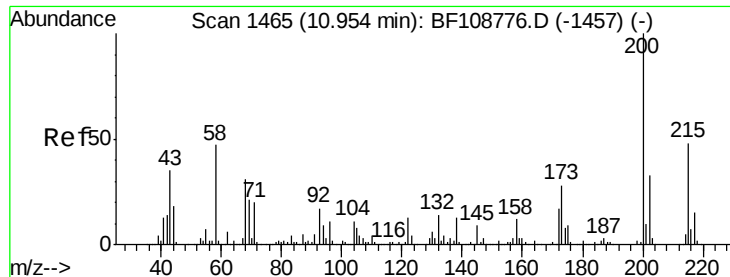
#67
Hexachlorobenzene
Concen: 45.963 ng
RT: 10.87 min Scan# 1451
Delta R.T. 0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Tgt Ion	Ratio	Lower	Upper
284	100		
142	31.9	34.6	52.0#
249	30.7	24.8	37.2



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

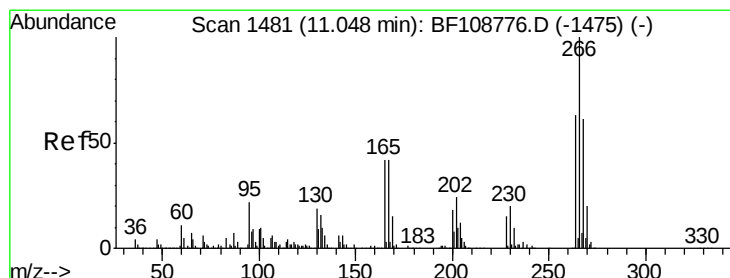
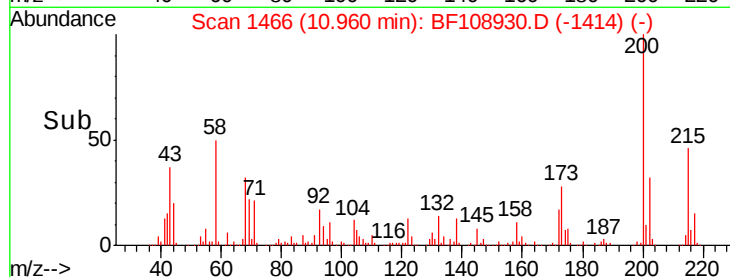
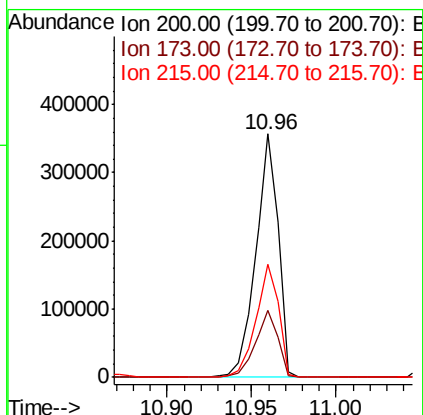
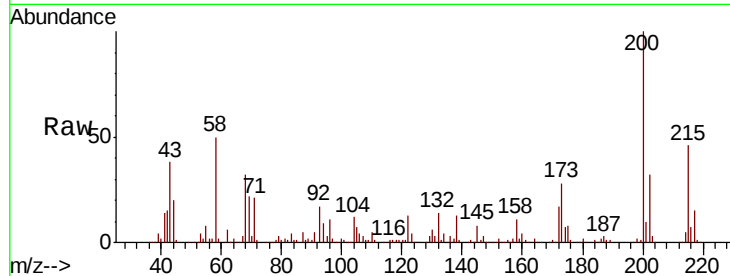




#68
Atrazine
Concen: 49.780 ng
RT: 10.96 min Scan# 1466
Delta R.T. 0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

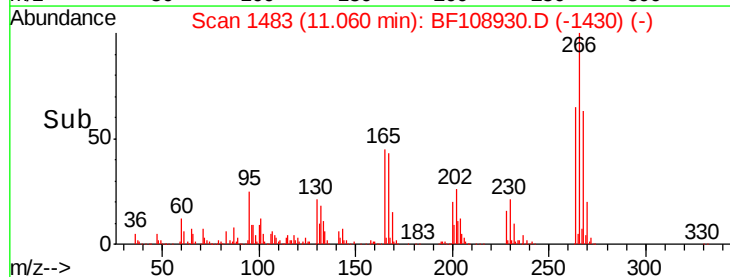
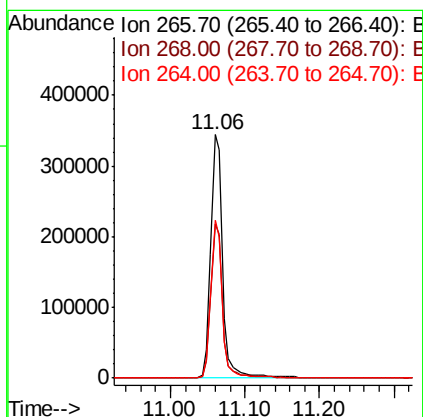
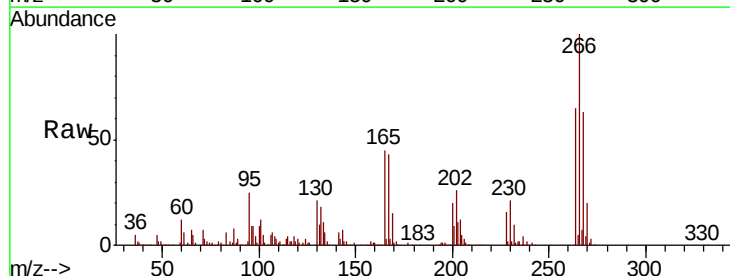
Instrument :
BNA_F
ClientSampleId :

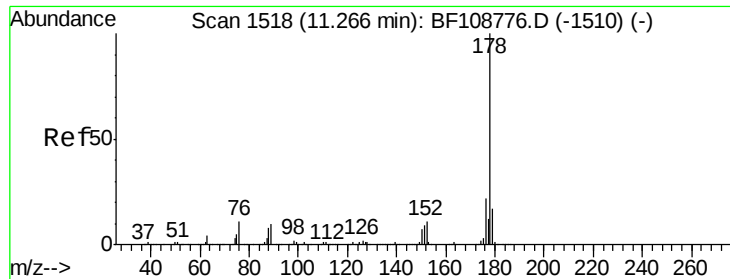
Tot Ion	Ratio	Lower	Upper
200	100		
173	27.6	8.6	48.6
215	46.4	25.1	65.1



#69
Pentachlorophenol
Concen: 83.031 ng
RT: 11.06 min Scan# 1483
Delta R.T. 0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.5	51.1	76.7
264	64.6	49.5	74.3

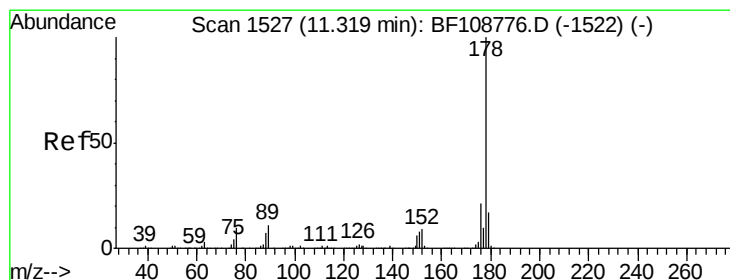
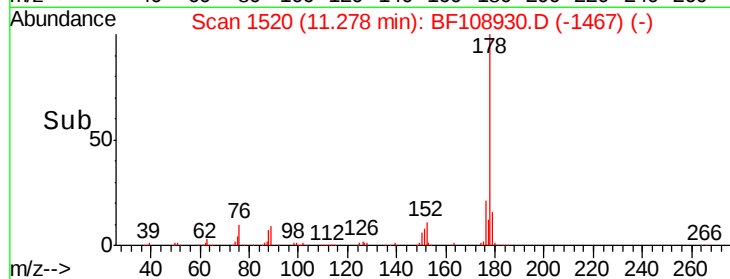
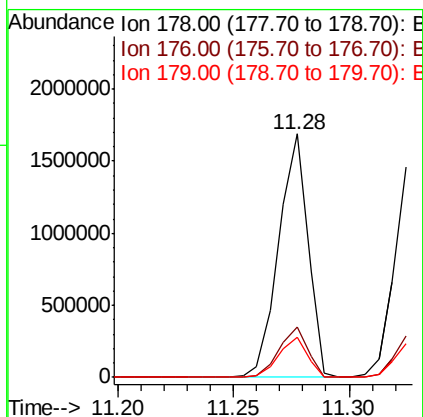
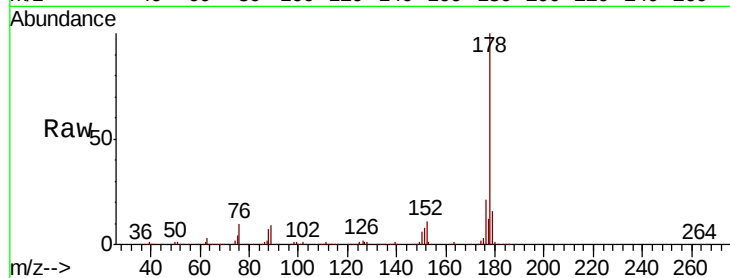




#70
Phenanthrene
Concen: 49.974 ng
RT: 11.28 min Scan# 1520
Delta R.T. 0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

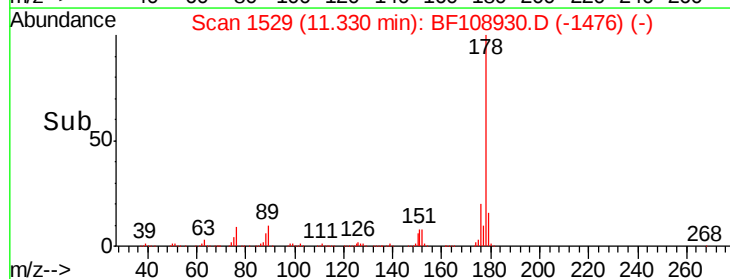
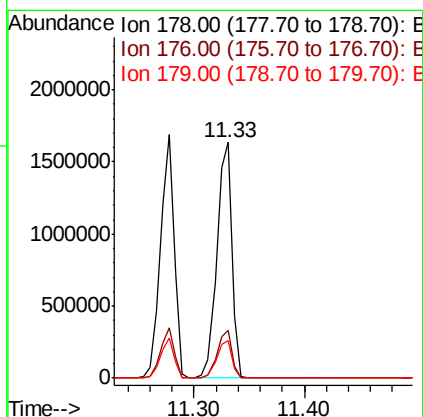
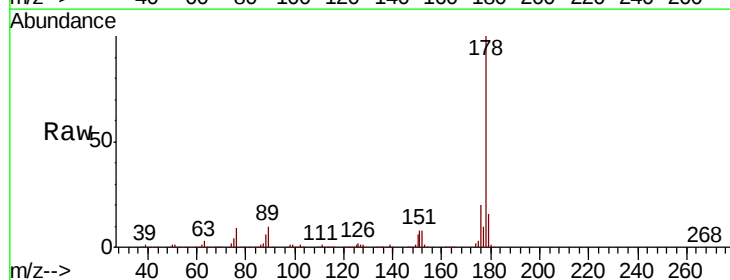
Instrument :
BNA_F
ClientSampleId :

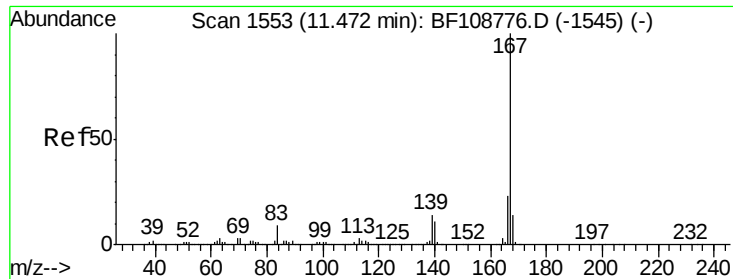
Tot Ion:178 Resp: 1487462
Ion Ratio Lower Upper
178 100
176 20.7 15.8 23.8
179 16.3 13.0 19.6



#71
Anthracene
Concen: 53.940 ng
RT: 11.33 min Scan# 1529
Delta R.T. 0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Tgt Ion:178 Resp: 1537185
Ion Ratio Lower Upper
178 100
176 20.1 15.4 23.2
179 16.0 12.6 19.0





#72

Carbazole

Concen: 46.745 ng

RT: 11.48 min Scan# 1554

Delta R.T. 0.01 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

Instrument :

BNA_F

ClientSampleId :

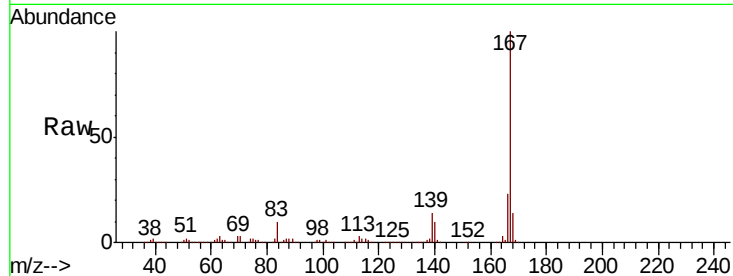
Tot Ion:167 Resp: 1402930

Ion Ratio Lower Upper

167 100

166 22.6 17.6 26.4

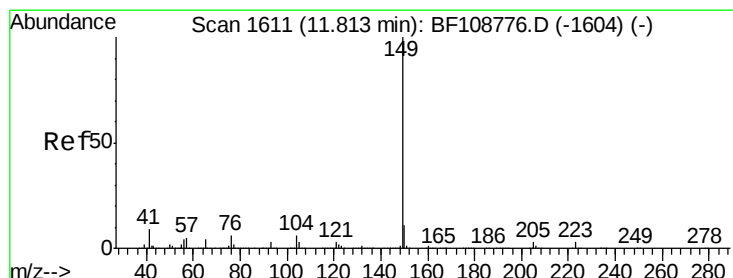
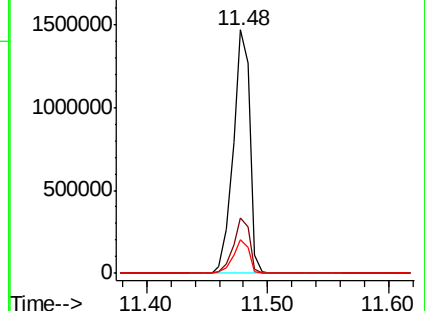
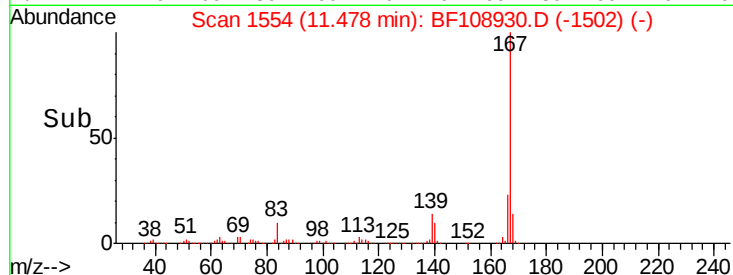
139 13.9 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 50.928 ng

RT: 11.82 min Scan# 1612

Delta R.T. 0.01 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

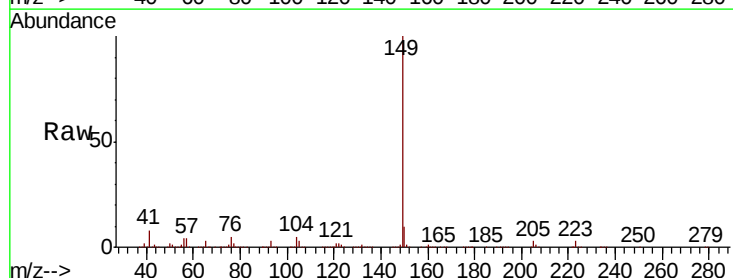
Tgt Ion:149 Resp: 1697350

Ion Ratio Lower Upper

149 100

150 9.9 7.8 11.6

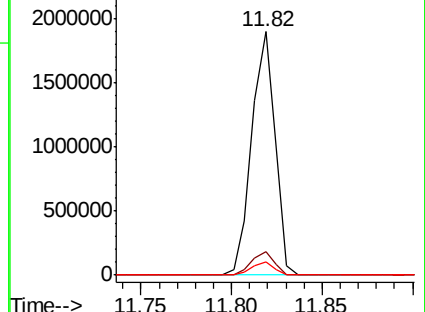
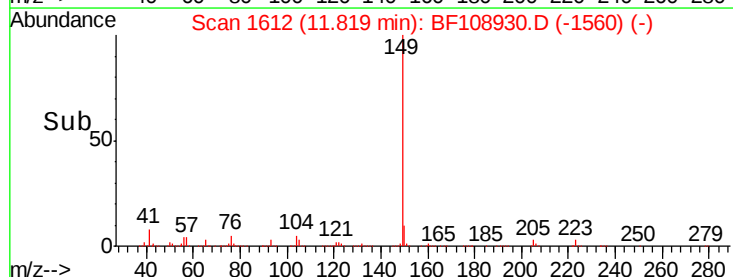
104 5.3 3.8 5.8

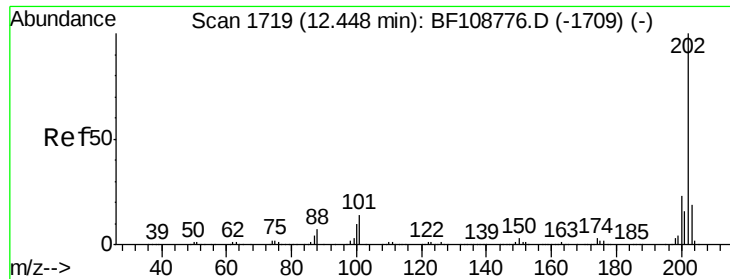


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

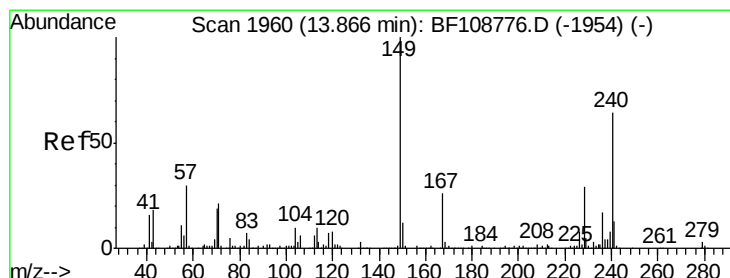
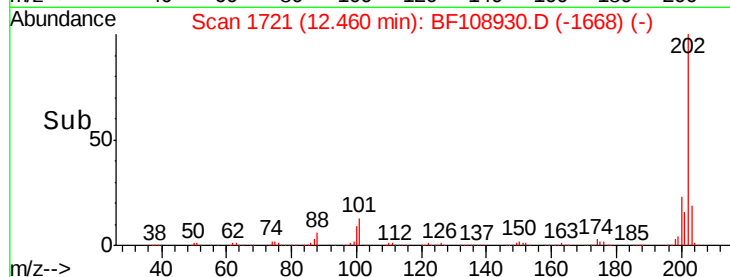
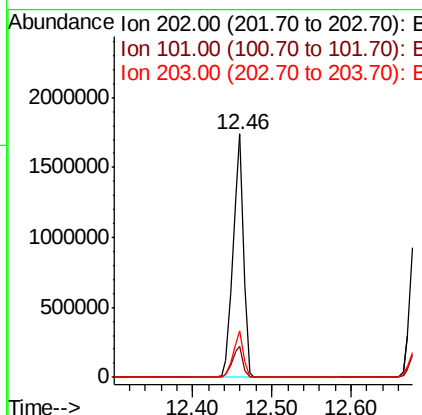
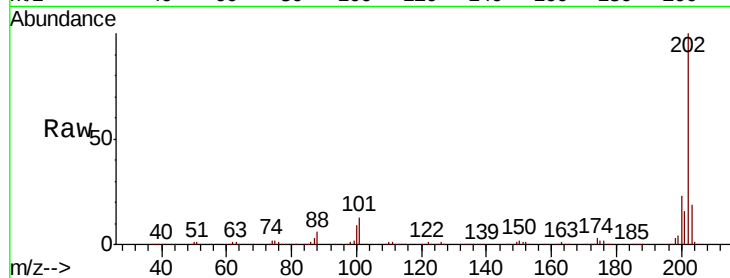




#74
 Fluoranthene
 Concen: 53.429 ng
 RT: 12.46 min Scan# 1721
 Delta R.T. 0.01 min
 Lab File: BF108930.D
 Acq: 11 Sep 2018 12:56

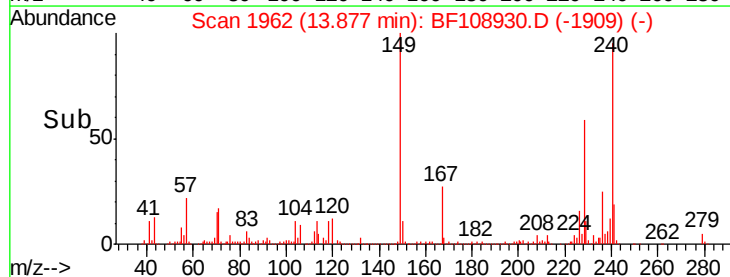
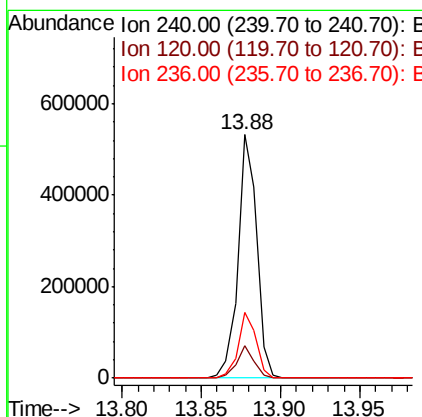
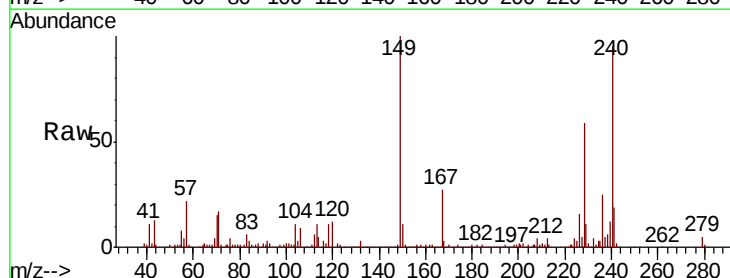
Instrument :
 BNA_F
 ClientSampled :

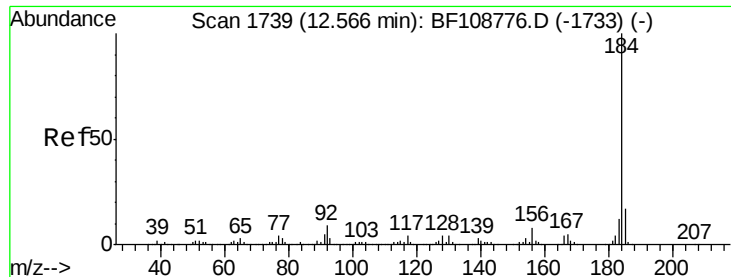
Tot Ion:202 Resp: 1574547
 Ion Ratio Lower Upper
 202 100
 101 12.5 0.0 34.1
 203 19.0 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.88 min Scan# 1962
 Delta R.T. 0.01 min
 Lab File: BF108930.D
 Acq: 11 Sep 2018 12:56

Tgt Ion:240 Resp: 436263
 Ion Ratio Lower Upper
 240 100
 120 13.1 9.5 14.3
 236 26.8 20.7 31.1





#76

Benzidine

Concen: 45.007 ng

RT: 12.58 min Scan# 1741

Delta R.T. 0.01 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

Instrument :

BNA_F

ClientSampleId :

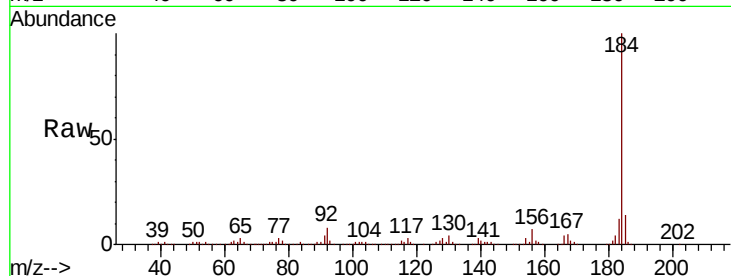
Tot Ion:184 Resp: 930609

Ion Ratio Lower Upper

184 100

185 14.4 12.6 18.8

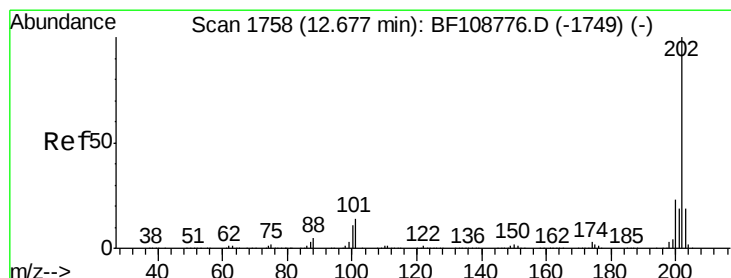
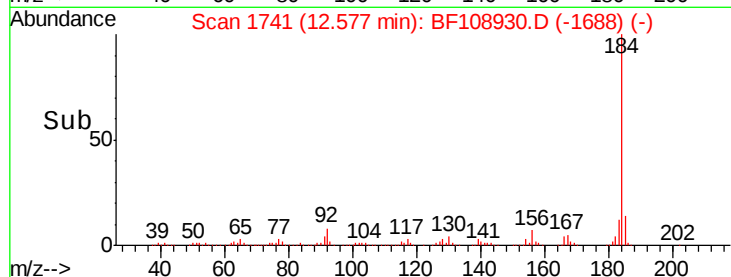
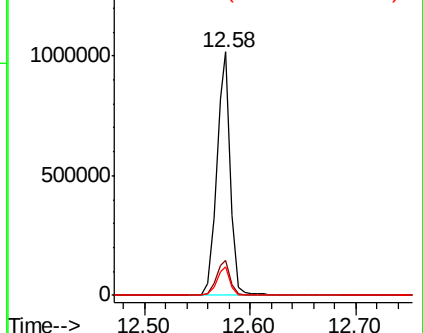
183 11.8 9.3 13.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 47.988 ng

RT: 12.68 min Scan# 1759

Delta R.T. 0.01 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

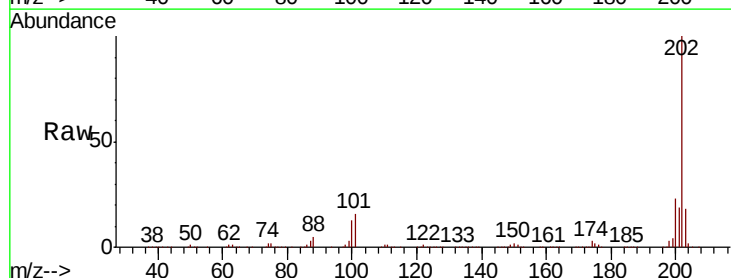
Tgt Ion:202 Resp: 1610956

Ion Ratio Lower Upper

202 100

200 22.6 17.4 26.2

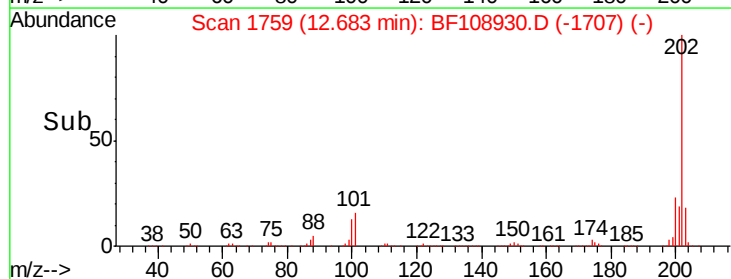
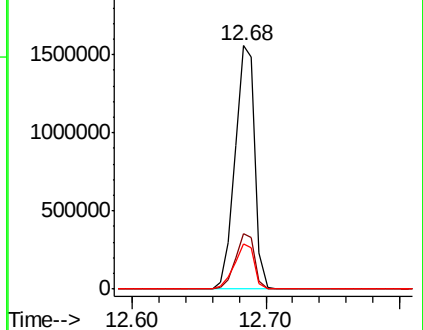
203 18.3 14.3 21.5

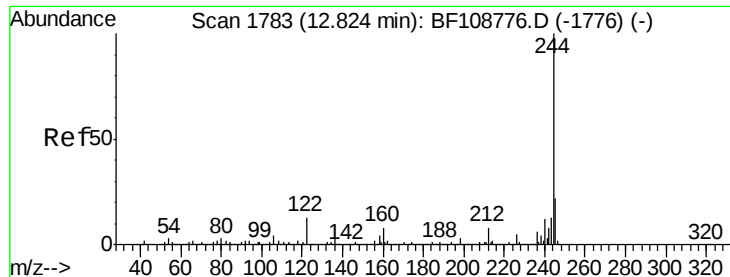


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

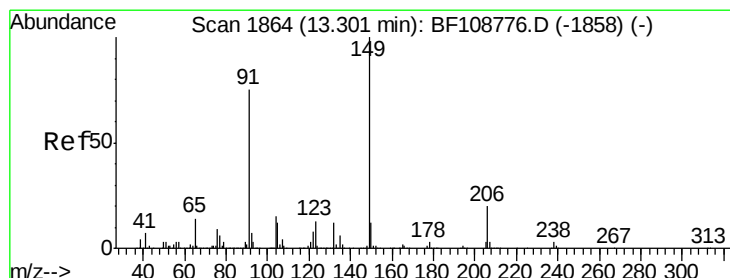
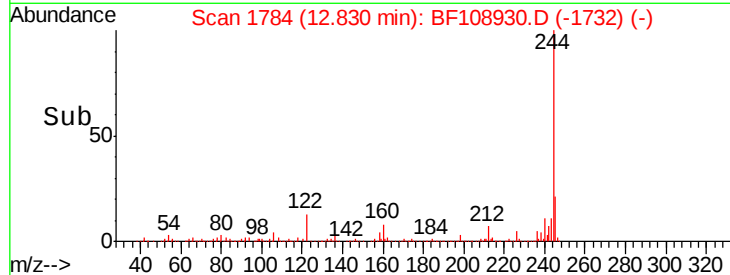
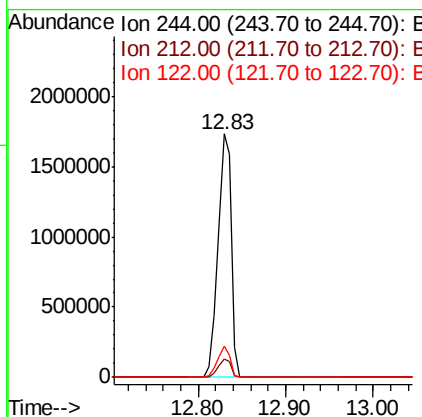
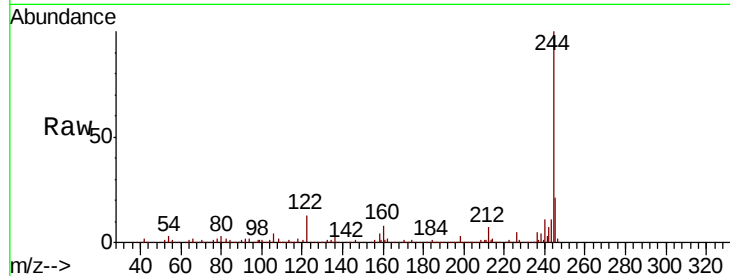




#78
 Terphenyl-d14
 Concen: 97.816 ng
 RT: 12.83 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: BF108930.D
 Acq: 11 Sep 2018 12:56

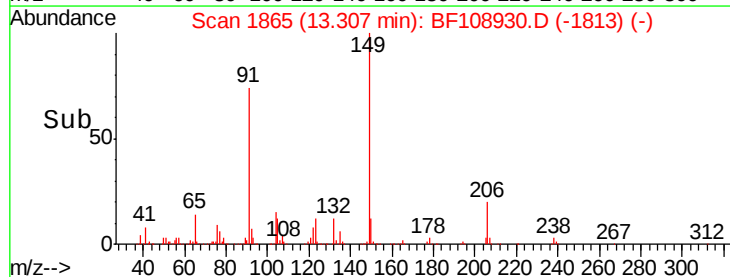
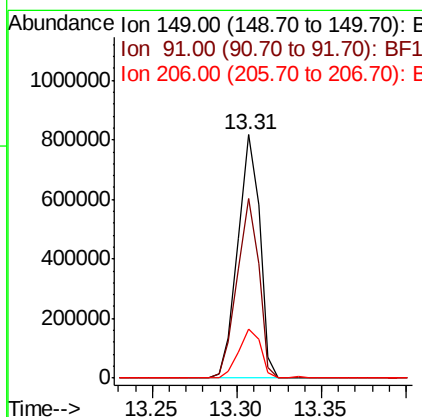
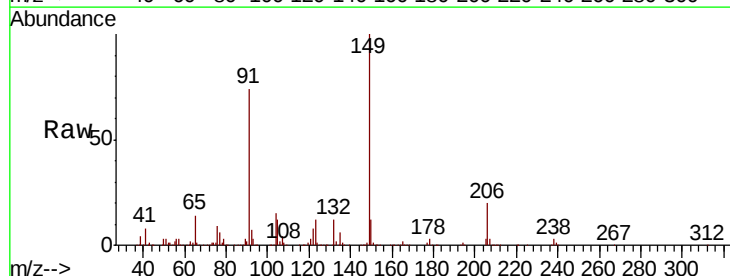
Instrument :
 BNA_F
 ClientSampleId :

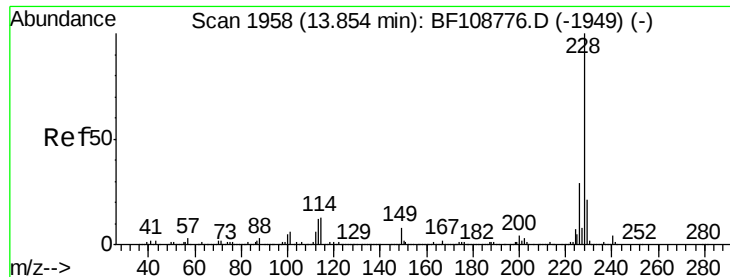
Tot Ion:244 Resp: 1829979
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.4 8.0
 122 12.8 11.0 16.4



#79
 Butylbenzylphthalate
 Concen: 48.888 ng
 RT: 13.31 min Scan# 1865
 Delta R.T. 0.01 min
 Lab File: BF108930.D
 Acq: 11 Sep 2018 12:56

Tgt Ion:149 Resp: 739058
 Ion Ratio Lower Upper
 149 100
 91 73.7 56.8 85.2
 206 19.9 14.1 21.1





#80

Benzo(a)anthracene

Concen: 45.959 ng

RT: 13.87 min Scan# 1960

Delta R.T. 0.01 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

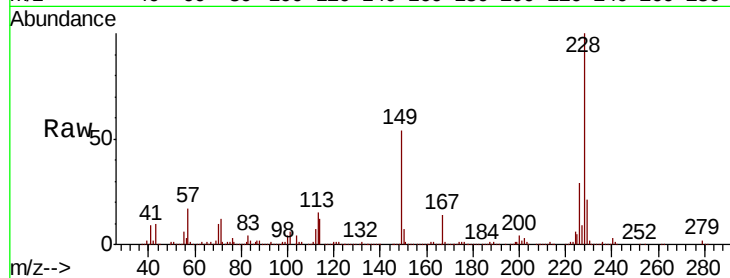
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 1285149

Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	20.8	15.8	23.6

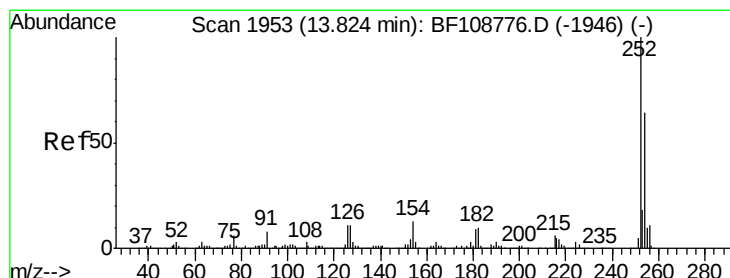
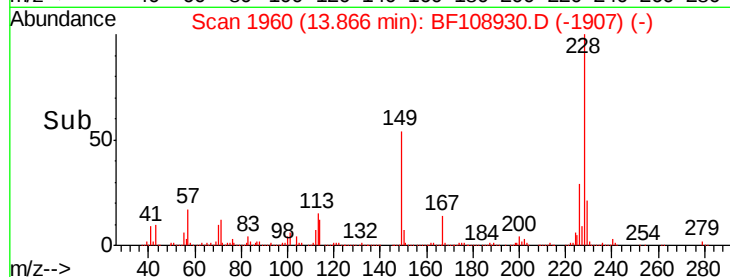
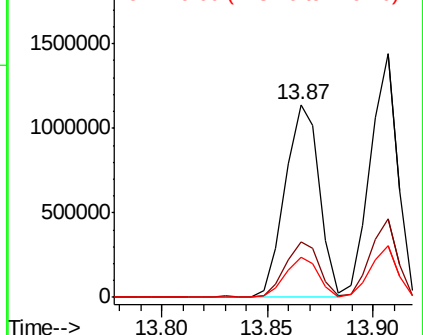


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 34.969 ng

RT: 13.83 min Scan# 1954

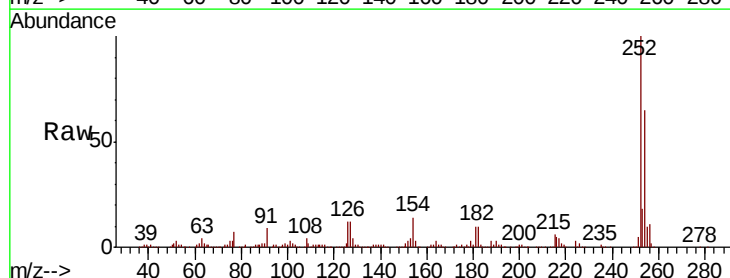
Delta R.T. 0.01 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

Tgt Ion:252 Resp: 380975

Ion	Ratio	Lower	Upper
252	100		
254	65.3	50.4	75.6
126	11.9	11.3	16.9

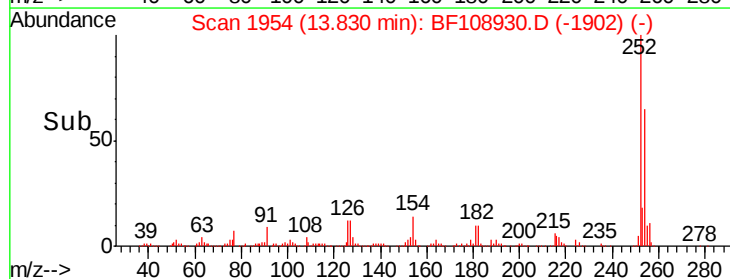
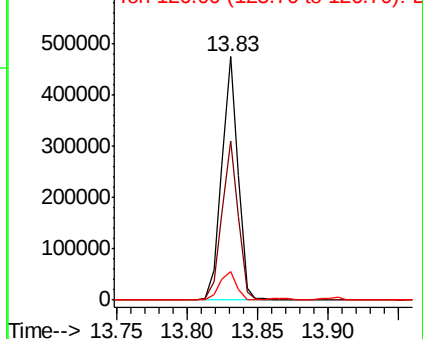


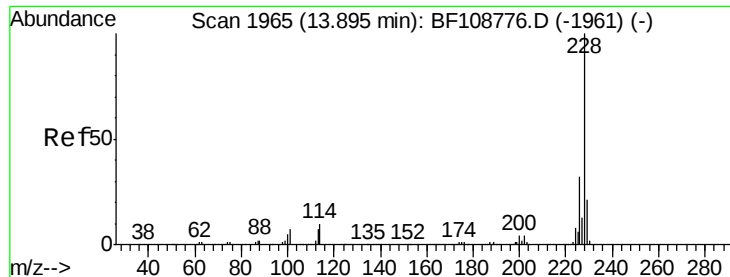
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 47.929 ng

RT: 13.91 min Scan# 1967

Delta R.T. 0.01 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

Instrument :

BNA_F

ClientSampleId :

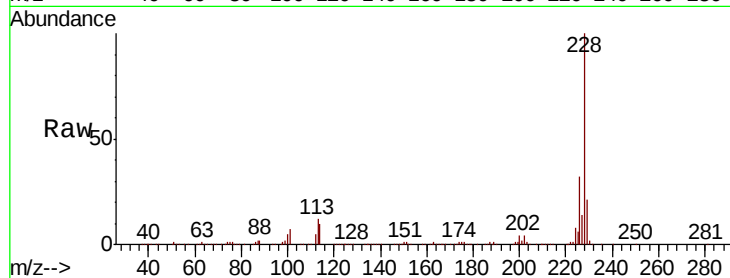
Tot Ion:228 Resp: 1297450

Ion Ratio Lower Upper

228 100

226 32.1 25.0 37.6

229 21.1 16.2 24.4

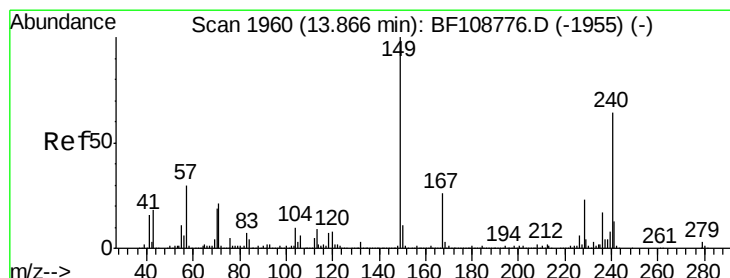
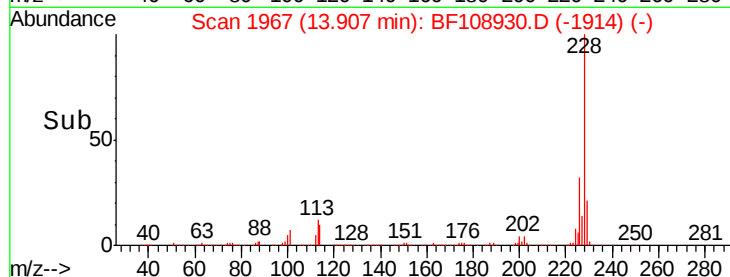
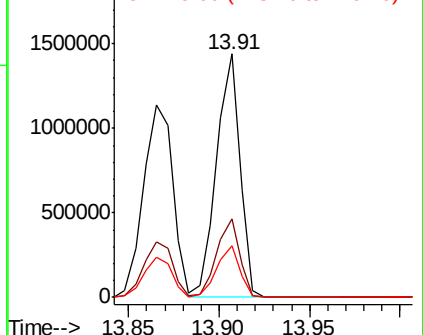


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 44.564 ng

RT: 13.87 min Scan# 1961

Delta R.T. 0.01 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

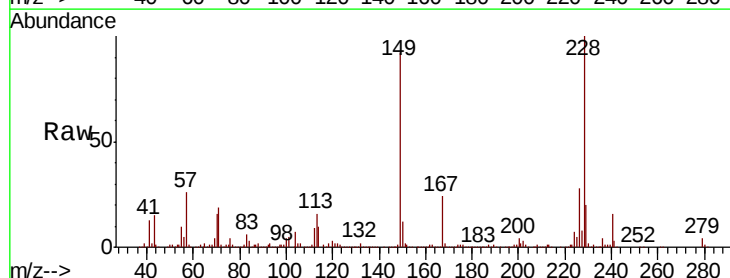
Tgt Ion:149 Resp: 846634

Ion Ratio Lower Upper

149 100

167 26.7 21.3 31.9

279 4.0 3.0 4.4

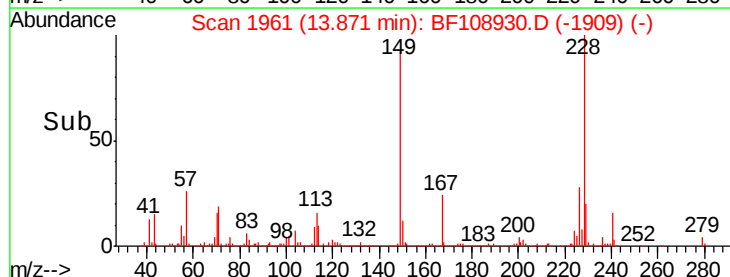
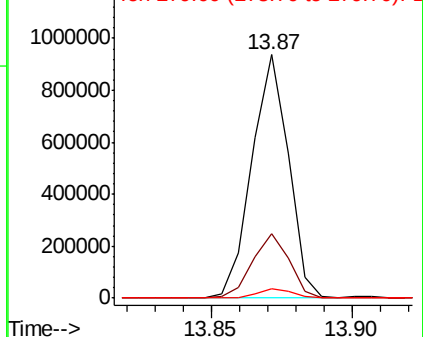


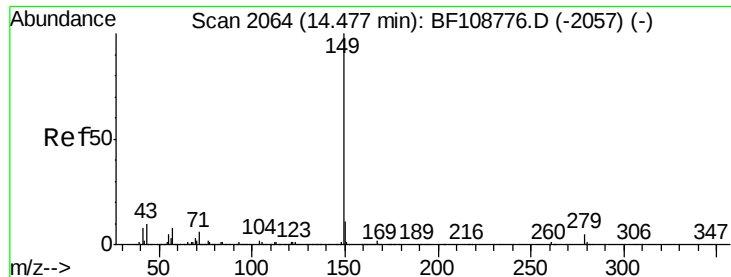
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 48.277 ng

RT: 14.48 min Scan# 2064

Delta R.T. 0.00 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

Instrument :

BNA_F

ClientSampleId :

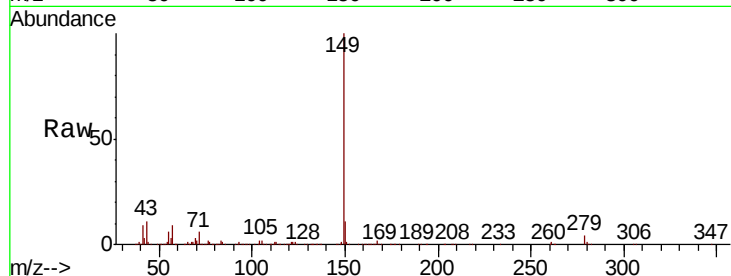
Tot Ion:149 Resp: 1529082

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

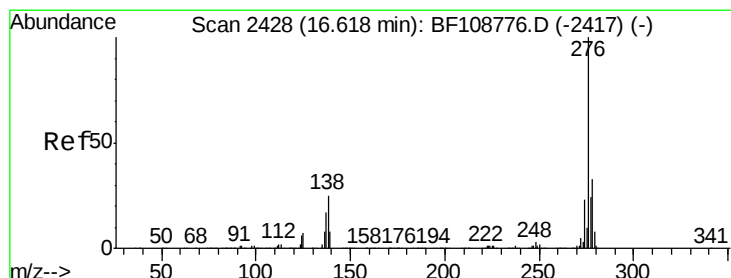
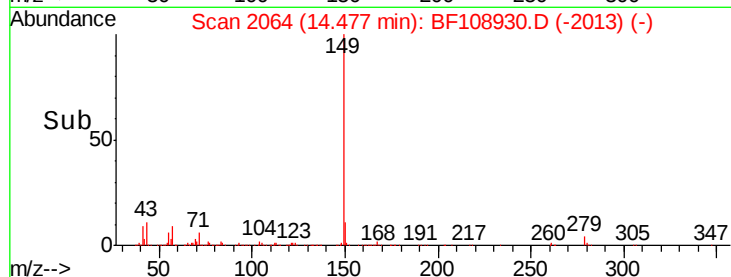
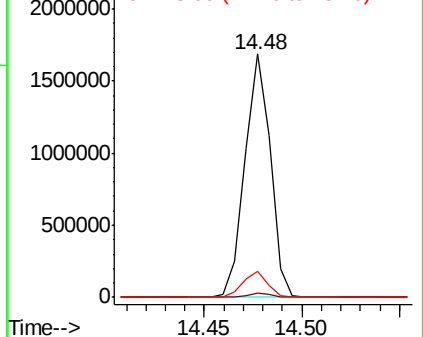
43 10.2 8.4 12.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#85

Indeno(1,2,3-cd)pyrene

Concen: 42.550 ng

RT: 16.65 min Scan# 2434

Delta R.T. 0.04 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

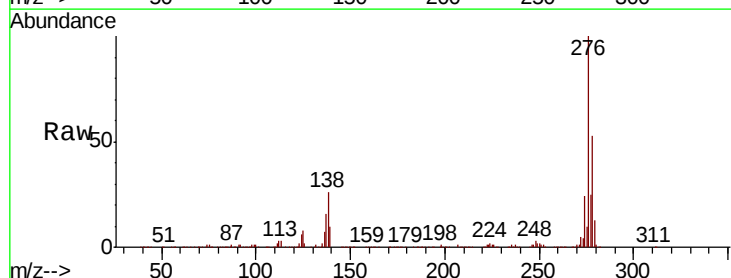
Tgt Ion:276 Resp: 1019360

Ion Ratio Lower Upper

276 100

138 26.4 25.0 37.6

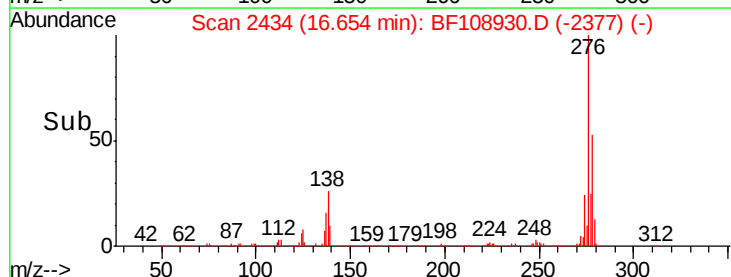
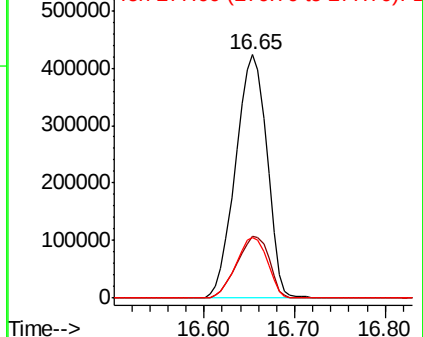
277 25.3 20.1 30.1

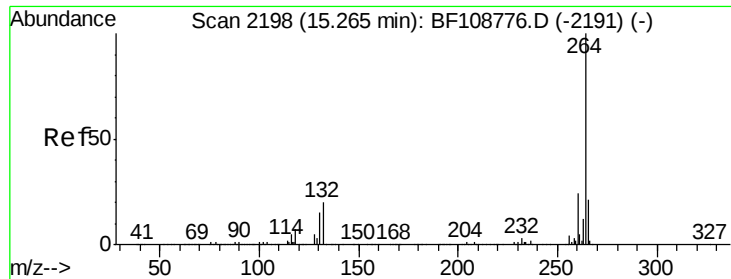


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



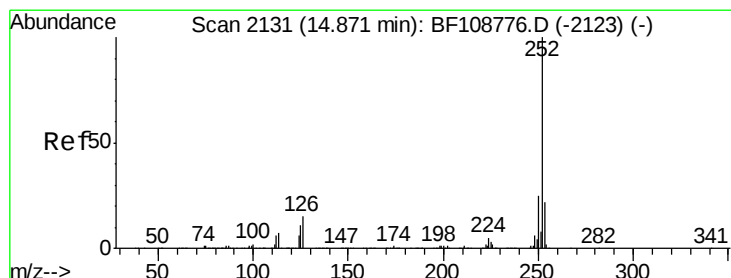
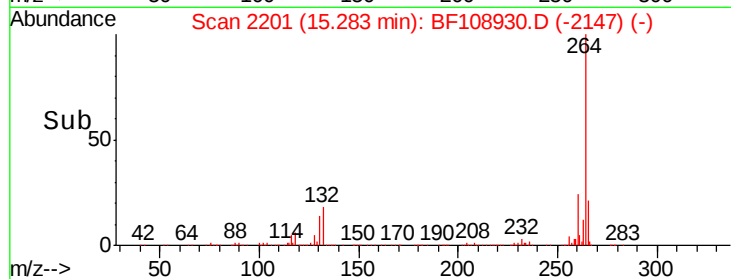
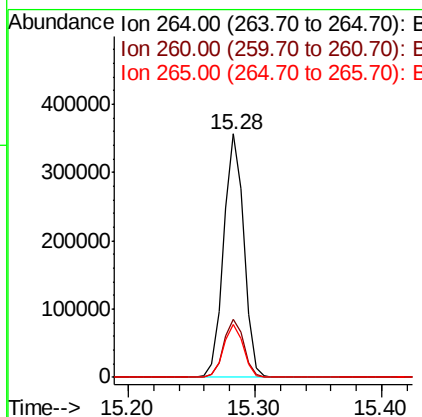
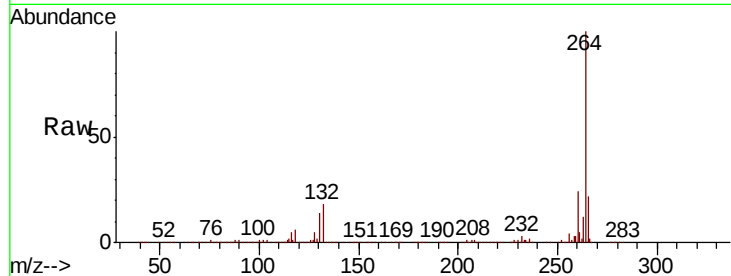


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2201
Delta R.T. 0.02 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 393001

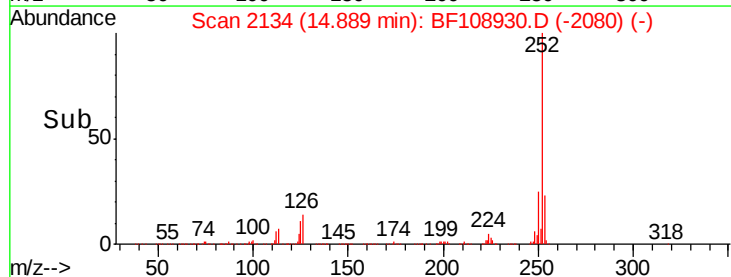
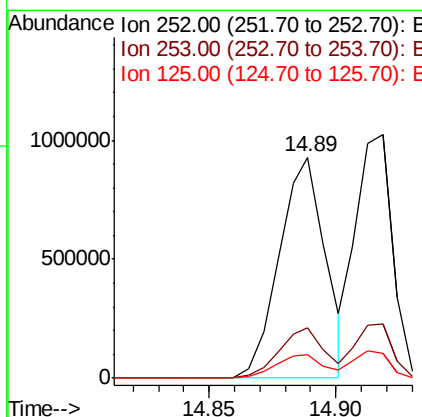
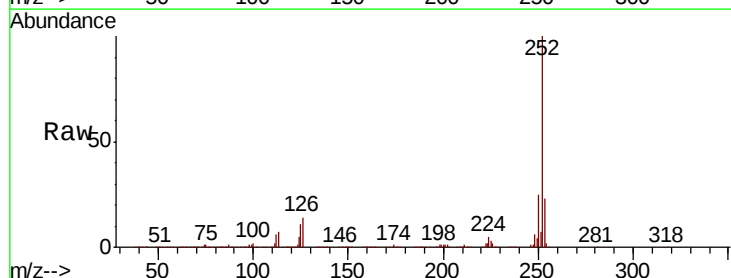
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.6	17.5	26.3

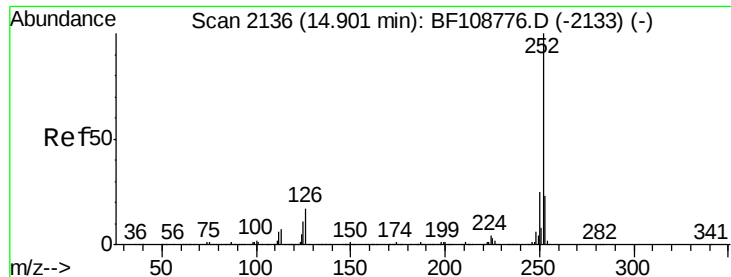


#87
Benzo(b)fluoranthene
Concen: 55.006 ng
RT: 14.89 min Scan# 2134
Delta R.T. 0.02 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Tgt Ion:252 Resp: 1175454

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	10.9	9.0	13.6

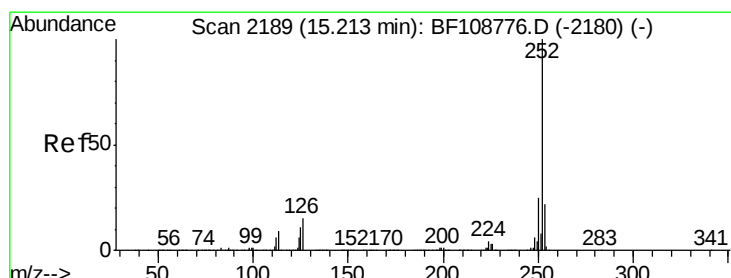
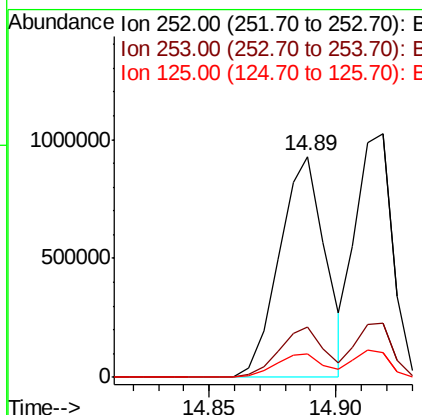
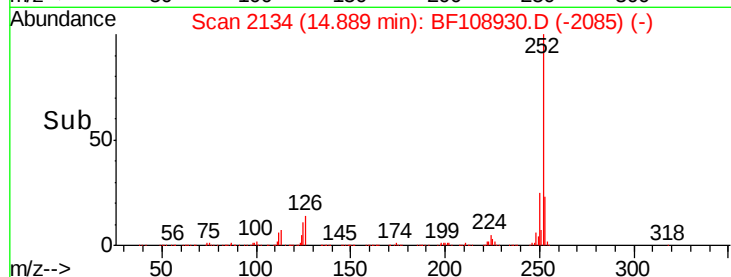
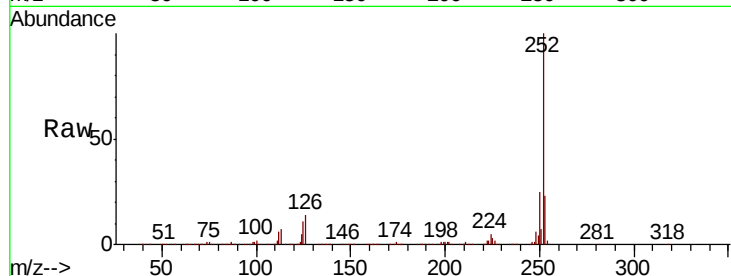




#88
Benzo(k)fluoranthene
Concen: 59.730 ng
RT: 14.89 min Scan# 2134
Delta R.T. -0.01 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

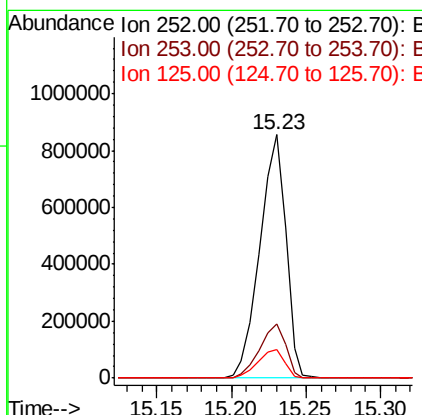
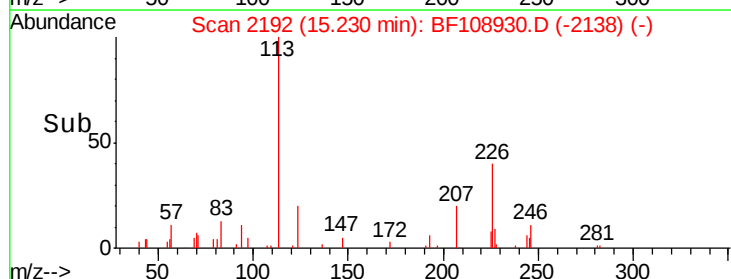
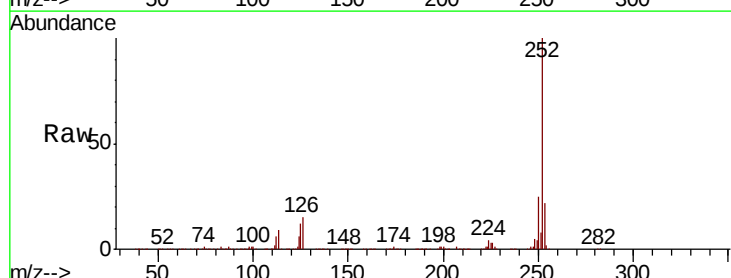
Instrument :
BNA_F
ClientSampleId :

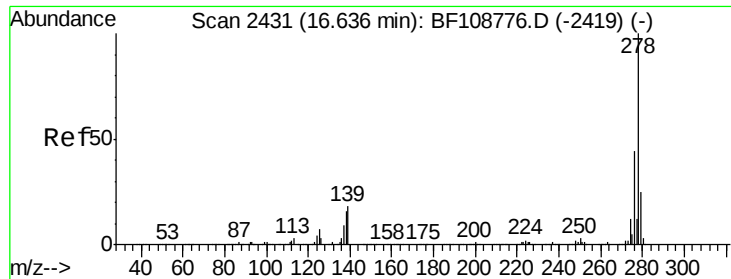
Tot Ion:252 Resp: 1175454
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 10.9 10.2 15.2



#89
Benzo(a)pyrene
Concen: 53.376 ng
RT: 15.23 min Scan# 2192
Delta R.T. 0.02 min
Lab File: BF108930.D
Acq: 11 Sep 2018 12:56

Tgt Ion:252 Resp: 1029203
Ion Ratio Lower Upper
252 100
253 22.1 17.1 25.7
125 11.8 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 49.364 ng

RT: 16.67 min Scan# 2437

Delta R.T. 0.04 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

Instrument :

BNA_F

ClientSampleId :

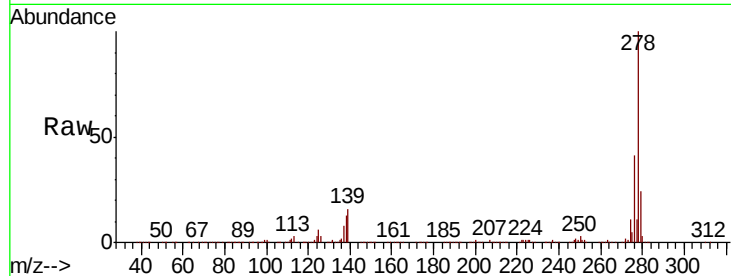
Tot Ion:278 Resp: 838722

Ion Ratio Lower Upper

278 100

139 15.7 15.9 23.9#

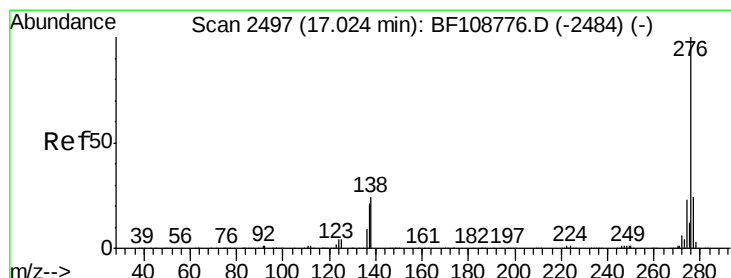
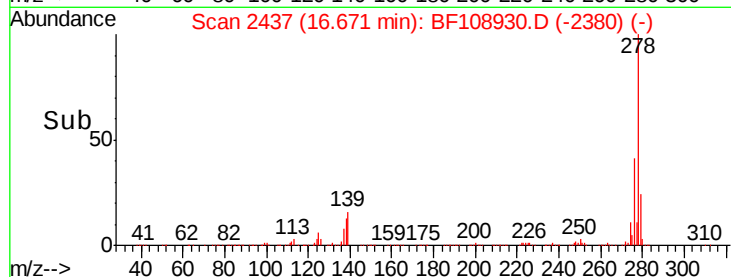
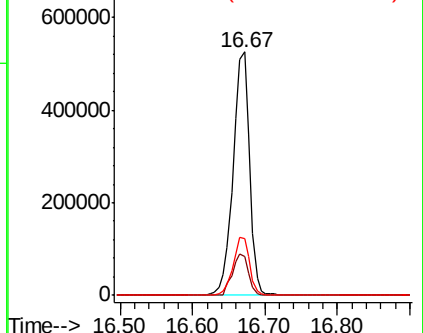
279 23.5 19.0 28.4



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



#91

Benzo(g,h,i)perylene

Concen: 51.738 ng

RT: 17.07 min Scan# 2504

Delta R.T. 0.04 min

Lab File: BF108930.D

Acq: 11 Sep 2018 12:56

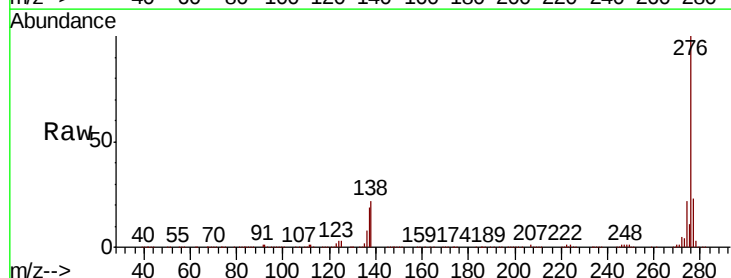
Tgt Ion:276 Resp: 880153

Ion Ratio Lower Upper

276 100

277 22.8 17.9 26.9

138 22.0 21.8 32.8



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

