

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
 Data File : BF108196.D
 Acq On : 16 Aug 2018 15:48
 Operator : JU/SJ
 Sample : J4477-01MSD RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 16 16:44:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	168974	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	655344	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	324156	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	571402	20.00	ng	0.00
75) Chrysene-d12	14.21	240	402743	20.00	ng	0.00
86) Perylene-d12	15.77	264	437454	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	620873	66.52	ng	0.01
7) Phenol-d6	6.63	99	825304	66.54	ng	0.00
23) Nitrobenzene-d5	7.58	82	530602	45.18	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	216902	67.08	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	962618	47.68	ng	0.00
78) Terphenyl-d14	13.14	244	825140	52.09	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.93	88	84634	17.648	ng	88
3) Pyridine	3.71	79	232183	18.794	ng	87
4) n-Nitrosodimethylamine	3.65	42	129151	18.579	ng	82
6) Aniline	6.68	93	286972	17.011	ng	98
8) 2-Chlorophenol	6.80	128	233491	22.212	ng	98
9) Benzaldehyde	6.57	77	139241	14.480	ng	96
10) Phenol	6.64	94	287710	22.426	ng	88
11) bis(2-Chloroethyl)ether	6.74	93	227821	21.966	ng	91
12) 1,3-Dichlorobenzene	6.95	146	264358	21.750	ng	98
13) 1,4-Dichlorobenzene	7.03	146	264951	21.697	ng	99
14) 1,2-Dichlorobenzene	7.18	146	251050	22.102	ng	99
15) Benzyl Alcohol	7.15	79	226385	21.682	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.28	45	446485	20.896	ng	95
17) 2-Methylphenol	7.25	107	193566	21.473	ng	96
18) Hexachloroethane	7.53	117	94850	21.817	ng	90
19) n-Nitroso-di-n-propylamine	7.41	70	179884	21.448	ng	# 89
20) 3+4-Methylphenols	7.41	107	256332	22.190	ng	88
22) Acetophenone	7.42	105	346166	22.590	ng	96
24) Nitrobenzene	7.60	77	261868	22.050	ng	98
25) Isophorone	7.83	82	479570	21.424	ng	99
26) 2-Nitrophenol	7.91	139	115629	25.782	ng	98
27) 2,4-Dimethylphenol	7.94	122	215442	21.685	ng	96
28) bis(2-Chloroethoxy)methane	8.04	93	293337	22.447	ng	99
29) 2,4-Dichlorophenol	8.15	162	207032	22.644	ng	99
30) 1,2,4-Trichlorobenzene	8.24	180	221533	21.977	ng	96
31) Naphthalene	8.32	128	690791	23.178	ng	99
32) Benzoic acid	7.94	122	215442	38.692	ng	# 16
33) 4-Chloroaniline	8.37	127	234421	18.049	ng	99
34) Hexachlorobutadiene	8.43	225	141321	22.146	ng	98
35) Caprolactam	8.71	113	60937	21.268	ng	# 78
36) 4-Chloro-3-methylphenol	8.84	107	213970	21.694	ng	100
37) 2-Methylnaphthalene	9.01	142	474049	22.481	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.18	216	238763	23.985	ng	98
40) Hexachlorocyclopentadiene	9.16	237	175585	27.308	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.28	196	149382	24.183	nq	99
43) 2,4,5-Trichlorophenol	9.32	196	161101	23.691	nq	95
45) 1,1'-Biphenyl	9.47	154	577586	24.167	nq	99
46) 2-Chloronaphthalene	9.50	162	444983	23.557	nq	98
47) 2-Nitroaniline	9.60	65	146578	23.982	nq	87
48) Acenaphthylene	9.92	152	696098	23.310	nq	100
49) Dimethylphthalate	9.77	163	580562	25.711	nq	99
50) 2,6-Dinitrotoluene	9.84	165	113310	23.985	nq	98
51) Acenaphthene	10.09	154	413681	22.617	nq	99
52) 3-Nitroaniline	10.01	138	107856	20.866	nq	93
53) 2,4-Dinitrophenol	10.11	184	11336	12.870	nq #	26
54) Dibenzofuran	10.27	168	621161	23.440	nq	98
55) 4-Nitrophenol	10.16	139	142622	36.438	nq	95
56) 2,4-Dinitrotoluene	10.24	165	144331	23.735	nq #	98
57) Fluorene	10.61	166	486095	23.172	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.38	232	125271	22.041	nq #	85
59) Diethylphthalate	10.47	149	515928	23.596	nq	95
60) 4-Chlorophenyl-phenylether	10.60	204	246511	22.552	nq #	87
61) 4-Nitroaniline	10.62	138	105772	20.698	nq	94
62) Azobenzene	10.76	77	493873	21.871	nq	93
64) 4,6-Dinitro-2-methylphenol	10.65	198	29165	17.436	nq	88
65) n-Nitrosodiphenylamine	10.71	169	436205	25.833	nq	95
66) 4-Bromophenyl-phenylether	11.09	248	154345	24.856	nq	90
67) Hexachlorobenzene	11.16	284	153023	23.421	nq #	90
68) Atrazine	11.24	200	143781	25.387	nq	96
69) Pentachlorophenol	11.35	266	120801	38.629	nq	98
70) Phenanthrene	11.58	178	781766	29.007	nq	99
71) Anthracene	11.63	178	683582	24.747	nq	99
72) Carbazole	11.78	167	533490	21.738	nq	99
73) Di-n-butylphthalate	12.10	149	725425	26.096	nq	99
74) Fluoranthene	12.78	202	718384	24.423	nq	95
76) Benzidine	12.89	184	299317	19.892	nq	98
77) Pyrene	13.01	202	699765	27.444	nq	100
79) Butylbenzylphthalate	13.61	149	239207	23.626	nq #	96
80) Benzo(a)anthracene	14.20	228	589131	25.489	nq	100
81) 3,3'-Dichlorobenzidine	14.16	252	199096	24.036	nq #	97
82) Chrysene	14.24	228	544691	25.705	nq	100
83) Bis(2-ethylhexyl)phthalate	14.17	149	332037	24.217	nq	99
84) Di-n-octyl phthalate	14.79	149	579452	27.711	nq	96
85) Indeno(1,2,3-cd)pyrene	17.39	276	587660	32.007	nq #	91
87) Benzo(b)fluoranthene	15.30	252	627402	24.002	nq #	96
88) Benzo(k)fluoranthene	15.34	252	529096	22.019	nq #	96
89) Benzo(a)pyrene	15.71	252	577867	24.687	nq #	97
90) Dibenzo(a,h)anthracene	17.41	278	474334	24.491	nq #	94
91) Benzo(g,h,i)perylene	17.89	276	457066	23.967	nq #	89

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

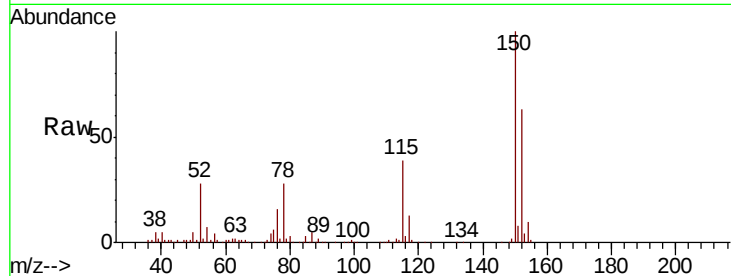


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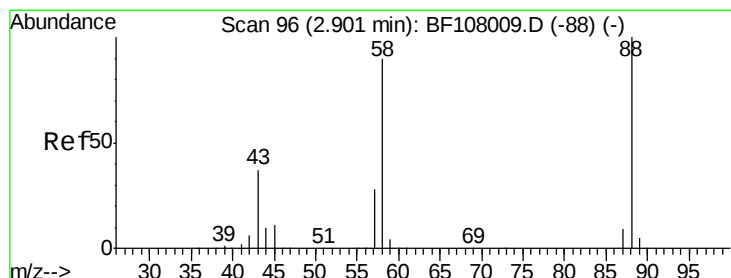
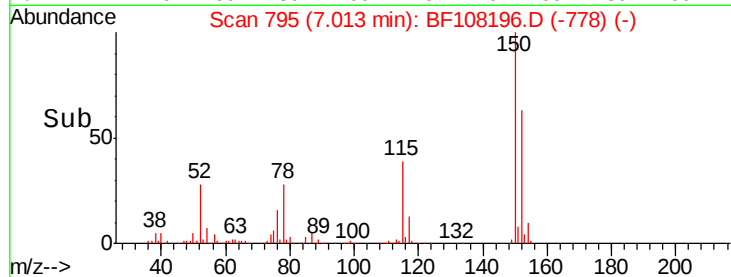
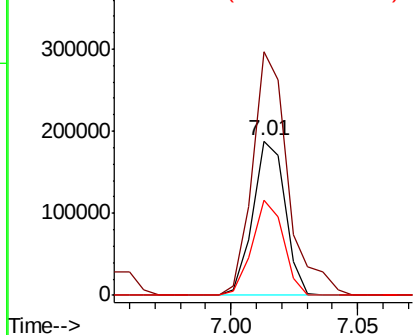
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF108196.D
Acq: 16 Aug 2018 15:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.6	186.8
115	61.8	50.1	75.1



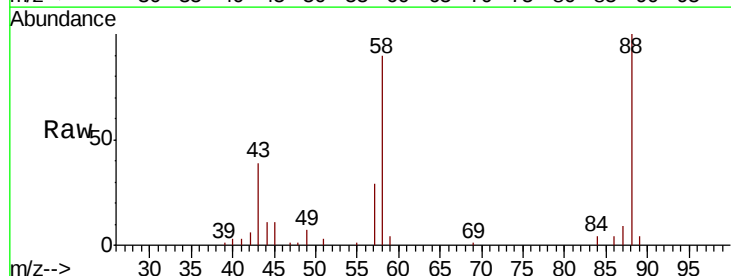
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



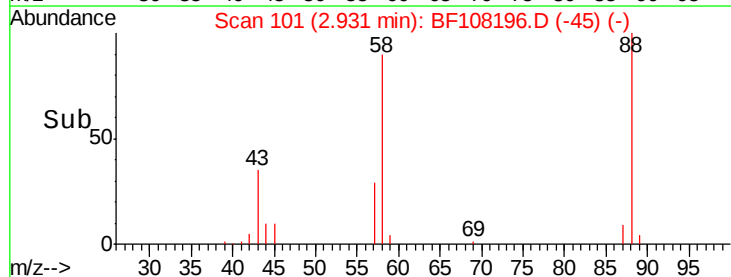
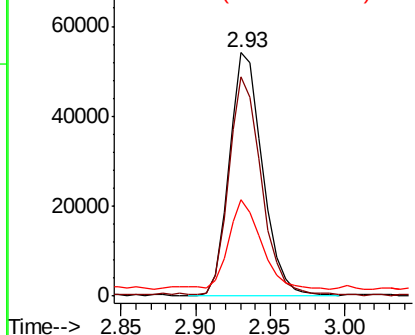
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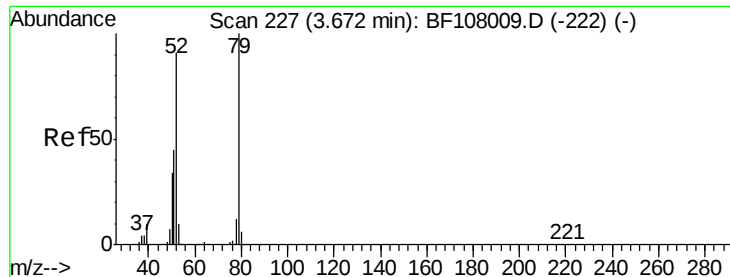
1,4-Dioxane
Concen: 17.648 ng
RT: 2.93 min Scan# 101
Delta R.T. 0.03 min
Lab File: BF108196.D
Acq: 16 Aug 2018 15:48

Tgt Ion	Ratio	Lower	Upper
88	100		
58	89.6	62.6	93.8
43	36.4	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: 18.794 ng

RT: 3.71 min Scan# 233

Delta R.T. 0.04 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

Instrument :

BNA_F

ClientSampleId :

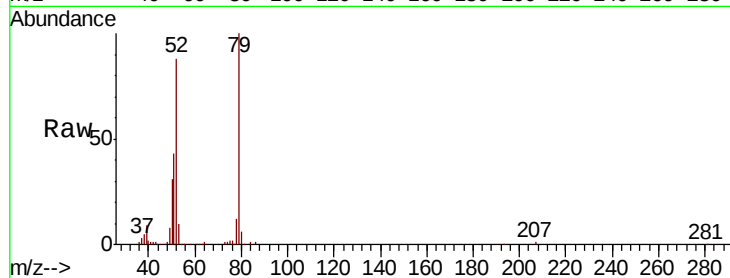
Tot Ion: 79 Resp: 232183

Ion Ratio Lower Upper

79 100

52 87.6 59.8 89.6

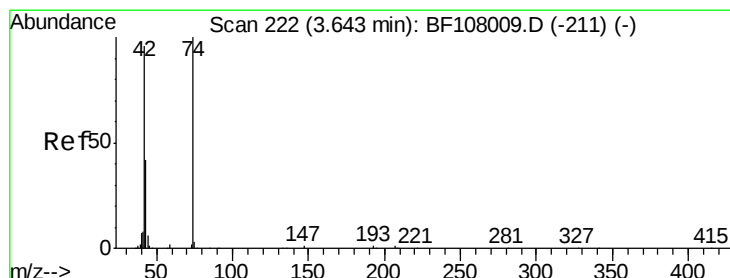
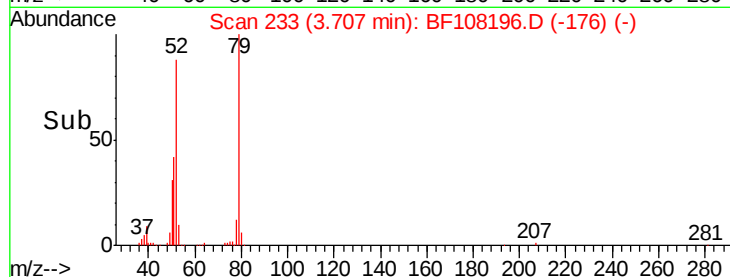
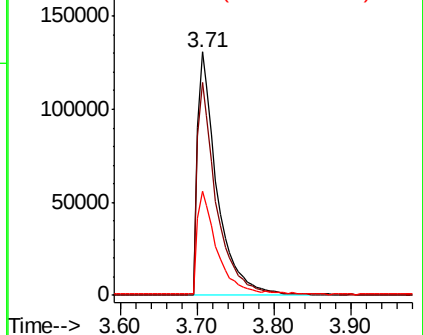
51 42.9 29.8 44.8



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: 18.579 ng

RT: 3.65 min Scan# 224

Delta R.T. 0.01 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

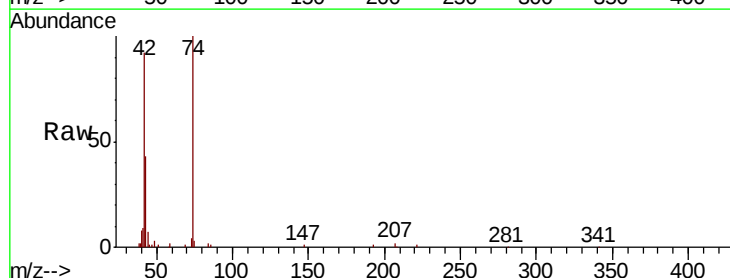
Tgt Ion: 42 Resp: 129151

Ion Ratio Lower Upper

42 100

74 108.7 104.9 157.3

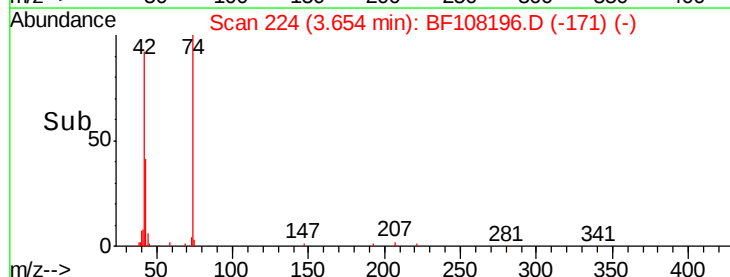
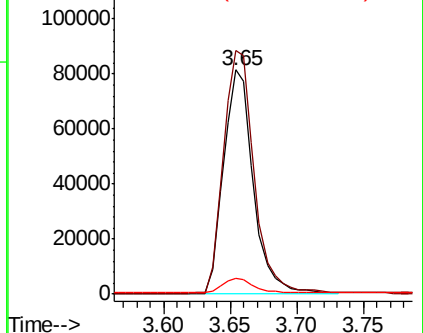
44 7.3 6.9 10.3

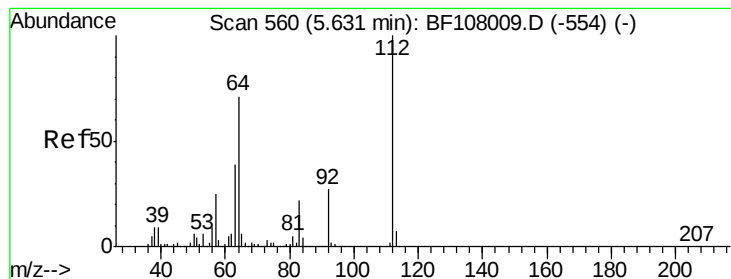


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1

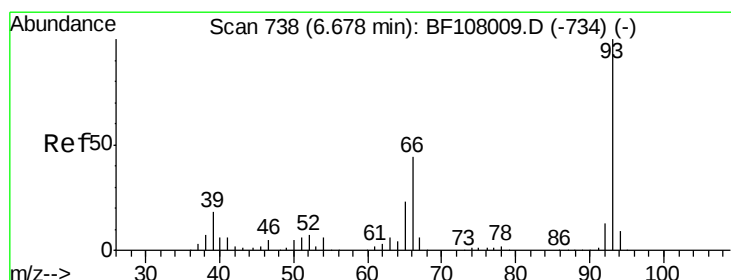
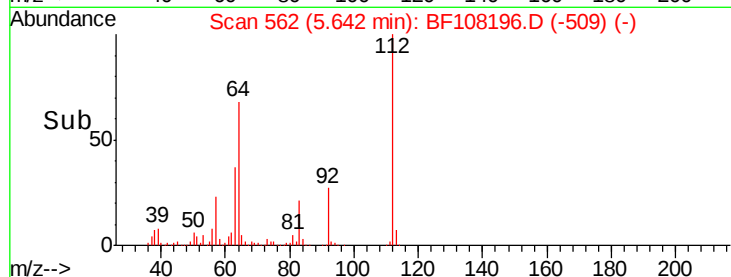
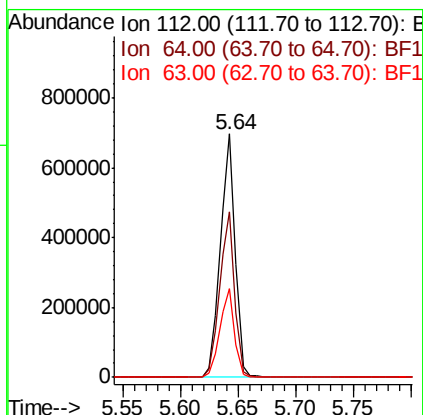
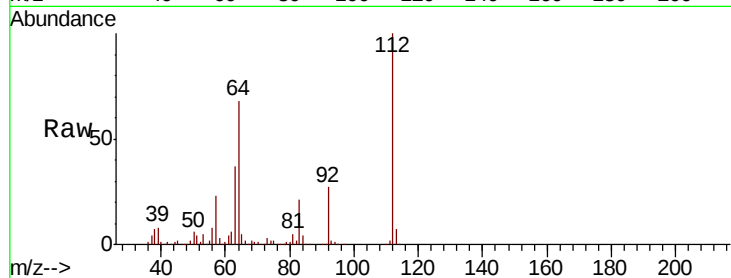




#5
 2-Fluorophenol
 Concen: 66.523 ng
 RT: 5.64 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: BF108196.D
 Acq: 16 Aug 2018 15:48

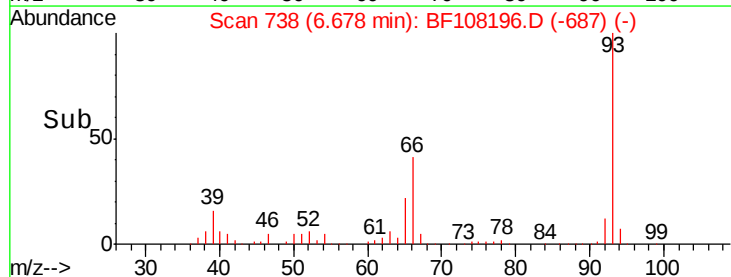
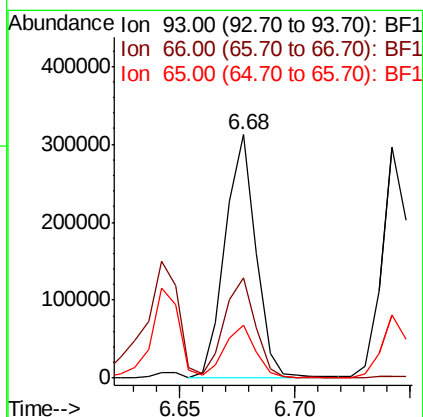
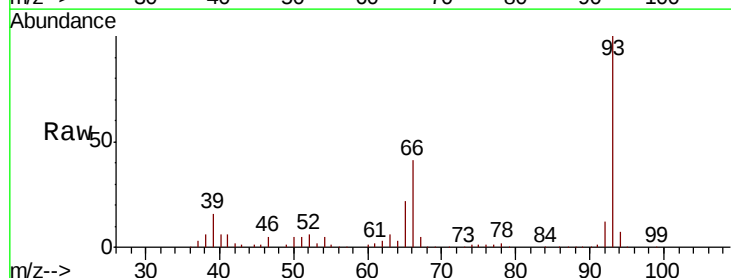
Instrument :
 BNA_F
 ClientSampleId :

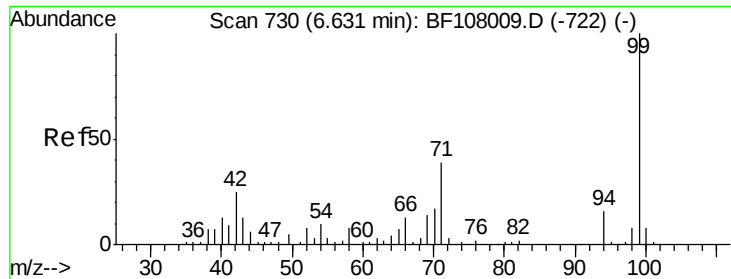
Tot Ion	Ratio	Lower	Upper
112	100		
64	67.9	47.9	71.9
63	36.5	23.7	35.5



#6
 Aniline
 Concen: 17.011 ng
 RT: 6.68 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: BF108196.D
 Acq: 16 Aug 2018 15:48

Tgt Ion	Ratio	Lower	Upper
93	100		
66	41.4	32.2	48.2
65	21.7	16.4	24.6





#7

Phenol-d6

Concen: 66.543 ng

RT: 6.63 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

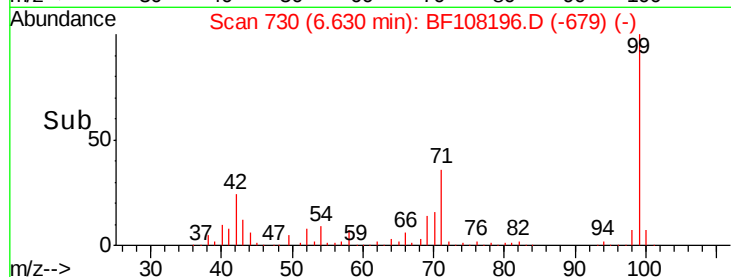
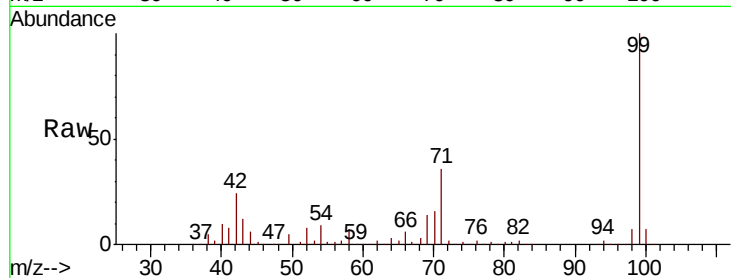
Instrument :

BNA_F

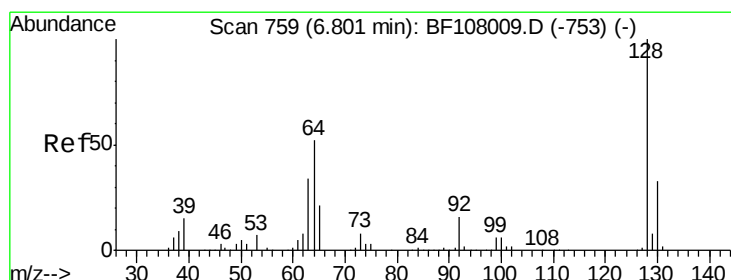
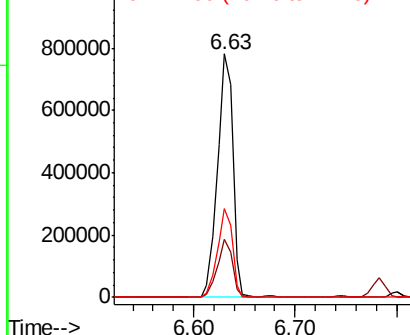
ClientSampled :

Tot Ion: 99 Resp: 825304

Ion	Ratio	Lower	Upper
99	100		
42	23.7	14.5	21.7#
71	36.4	25.4	38.0



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



#8

2-Chlorophenol

Concen: 22.212 ng

RT: 6.80 min Scan# 759

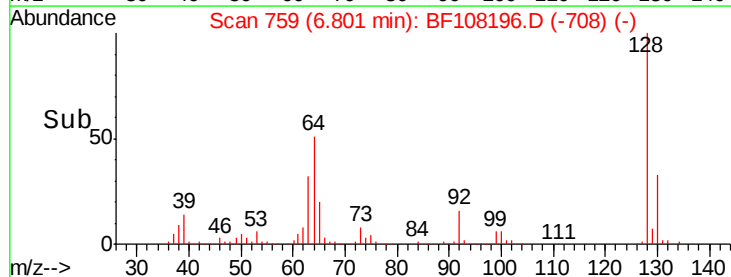
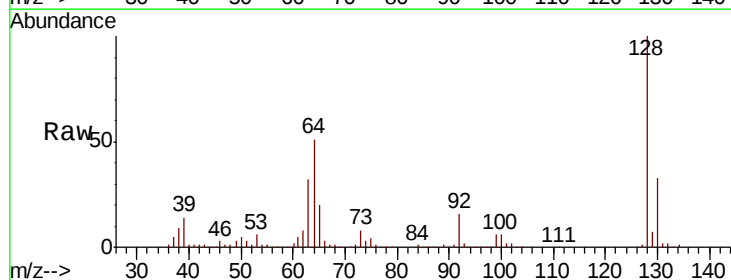
Delta R.T. -0.00 min

Lab File: BF108196.D

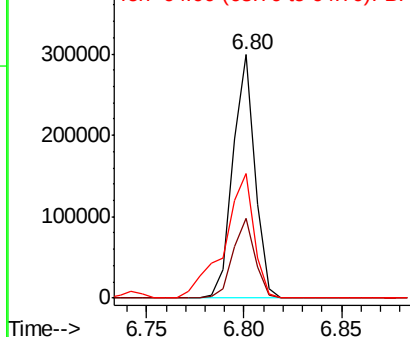
Acq: 16 Aug 2018 15:48

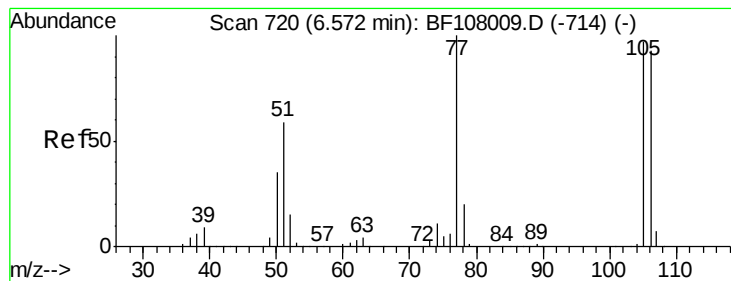
Tgt Ion: 128 Resp: 233491

Ion	Ratio	Lower	Upper
128	100		
130	32.6	13.0	53.0
64	51.0	29.4	69.4



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





#9

Benzaldehyde

Concen: 14.480 ng

RT: 6.57 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

Instrument :

BNA_F

ClientSampleId :

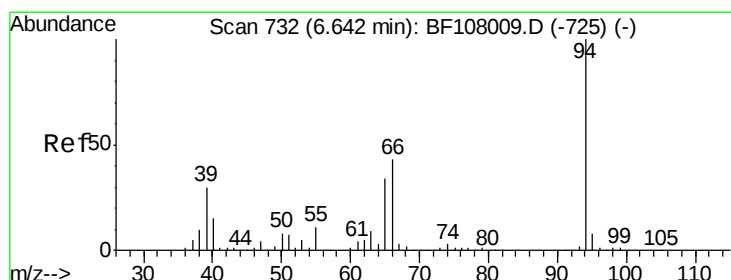
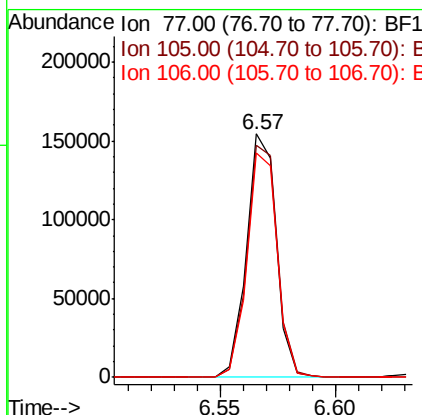
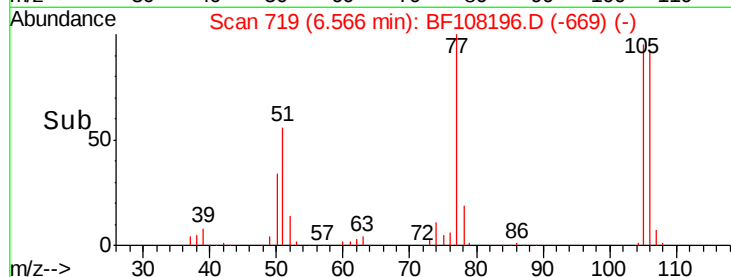
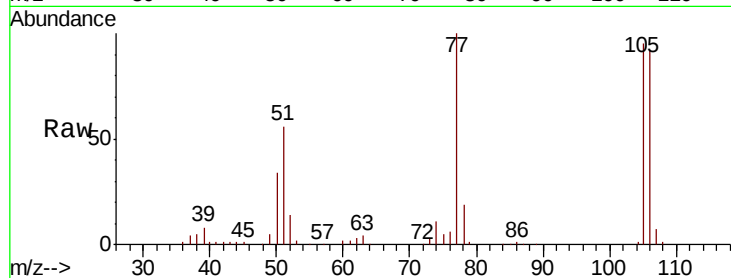
Tot Ion: 77 Resp: 139241

Ion Ratio Lower Upper

77 100

105 95.2 81.1 121.1

106 92.3 74.5 114.5



#10

Phenol

Concen: 22.426 ng

RT: 6.64 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

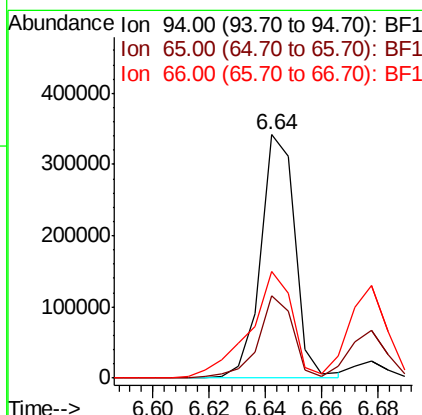
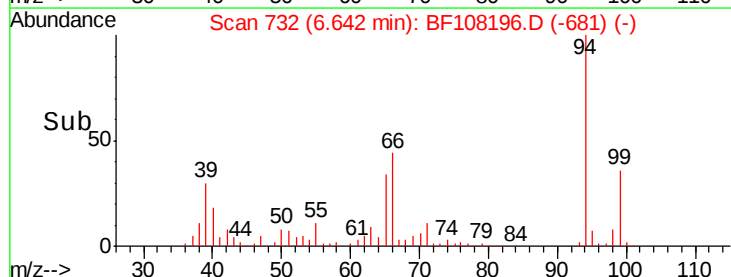
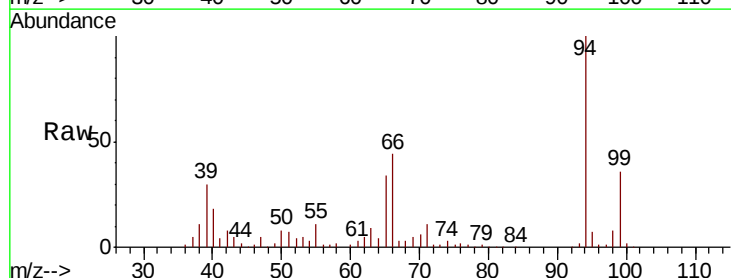
Tgt Ion: 94 Resp: 287710

Ion Ratio Lower Upper

94 100

65 33.8 7.9 47.9

66 43.9 16.2 56.2

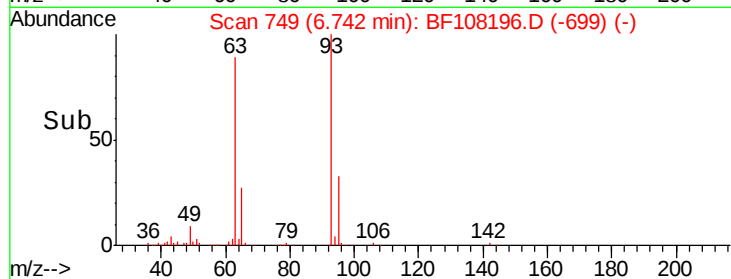
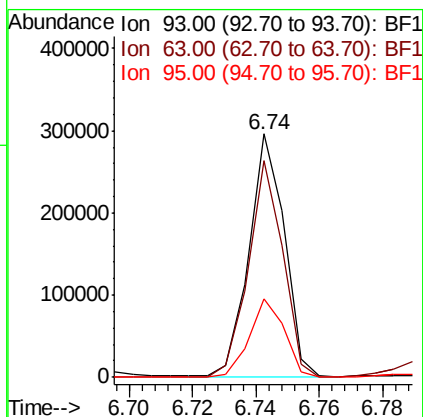
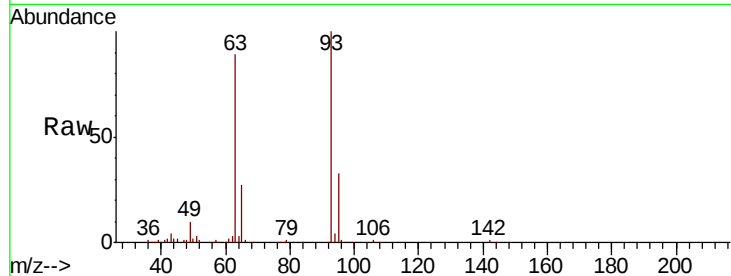




#11
 bis(2-Chloroethyl)ether
 Concen: 21.966 ng
 RT: 6.74 min Scan# 749
 Delta R.T. -0.01 min
 Lab File: BF108196.D
 Acq: 16 Aug 2018 15:48

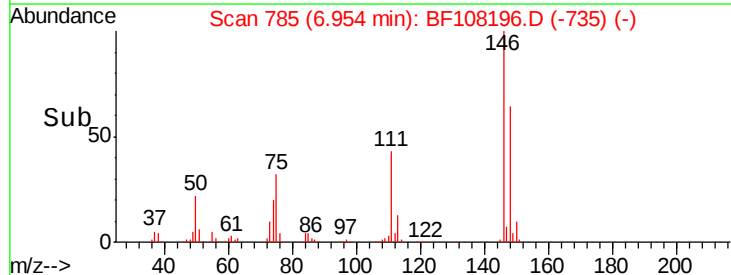
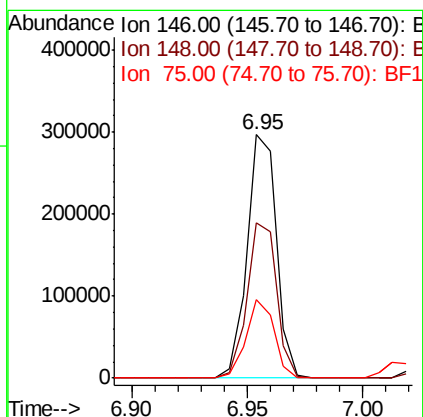
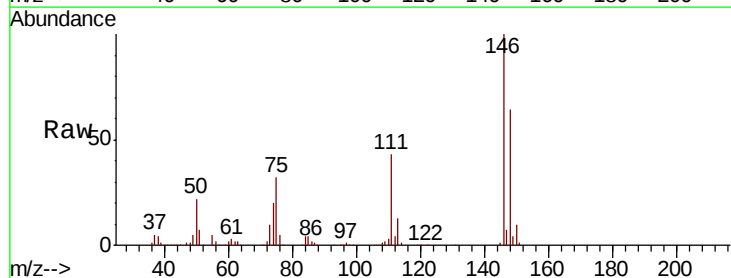
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
93	100		
63	88.8	58.6	98.6
95	32.5	11.8	51.8



#12
 1,3-Dichlorobenzene
 Concen: 21.750 ng
 RT: 6.95 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF108196.D
 Acq: 16 Aug 2018 15:48

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.8	77.8
75	32.0	24.2	36.4





#13

1,4-Dichlorobenzene

Concen: 21.697 ng

RT: 7.03 min Scan# 798

Delta R.T. -0.01 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

Instrument :

BNA_F

ClientSampleId :

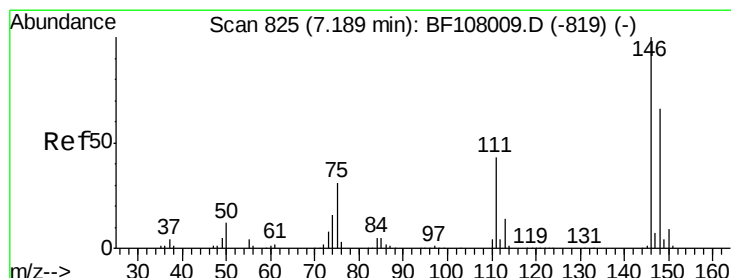
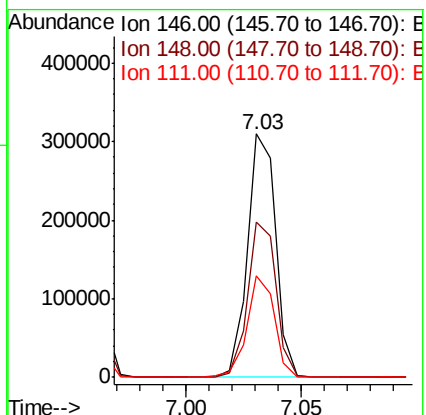
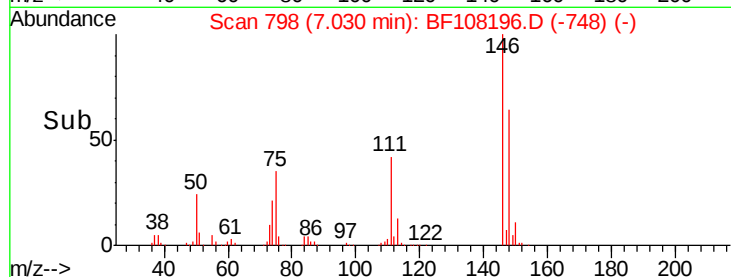
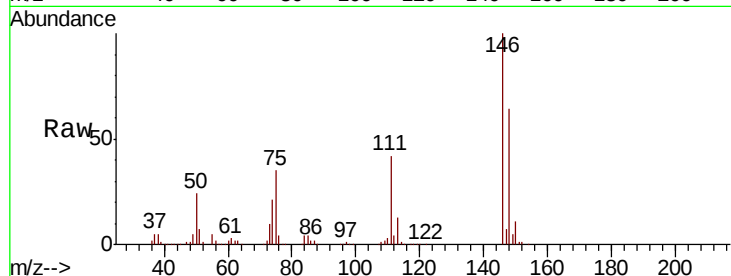
Tot Ion:146 Resp: 264951

Ion Ratio Lower Upper

146 100

148 63.9 50.8 76.2

111 41.9 34.2 51.2



#14

1,2-Dichlorobenzene

Concen: 22.102 ng

RT: 7.18 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

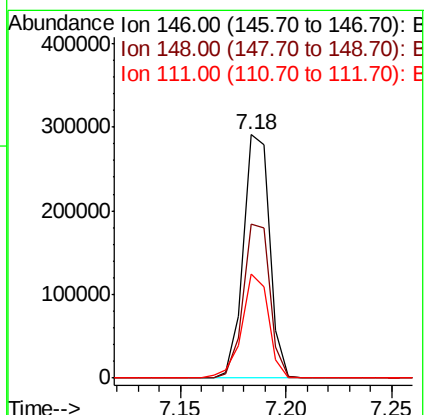
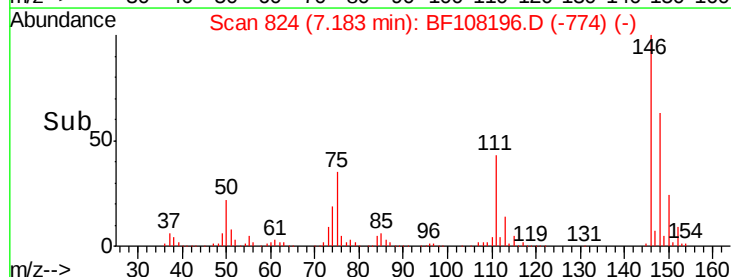
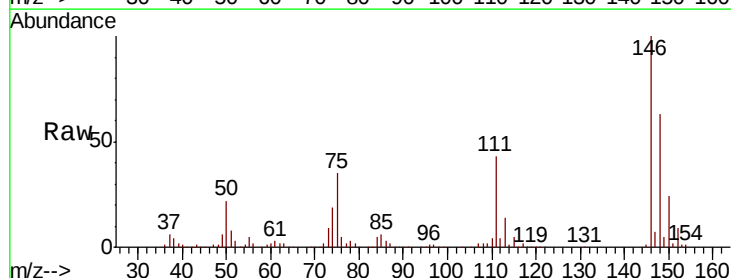
Tgt Ion:146 Resp: 251050

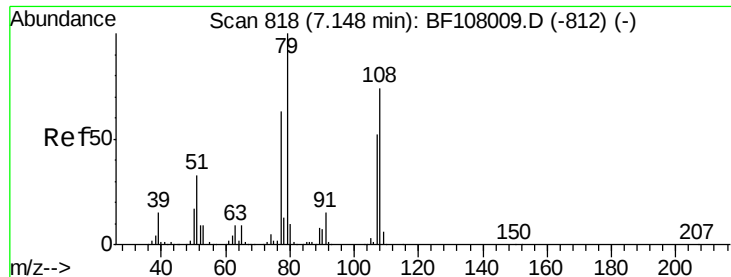
Ion Ratio Lower Upper

146 100

148 63.1 50.6 75.8

111 42.9 36.0 54.0





#15

Benzyl Alcohol

Concen: 21.682 ng

RT: 7.15 min Scan# 818

Delta R.T. -0.00 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

Instrument :

BNA_F

ClientSampleId :

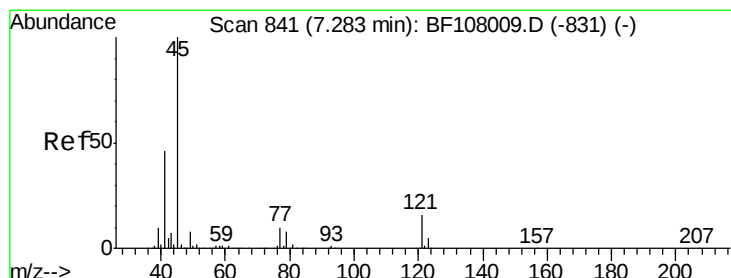
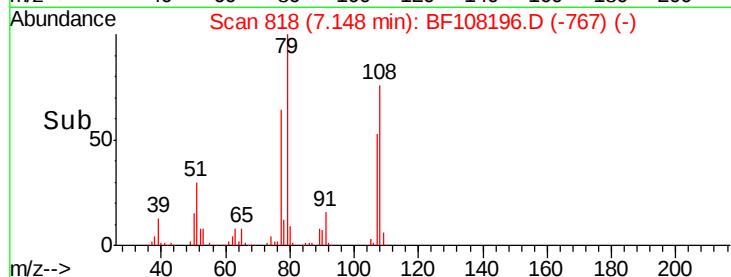
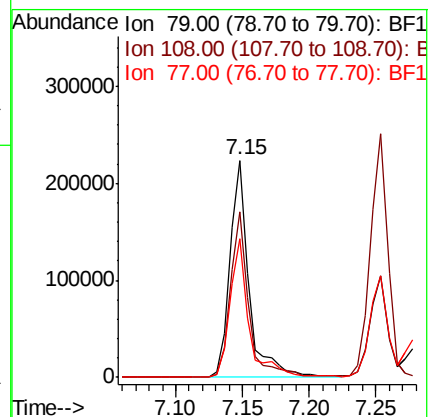
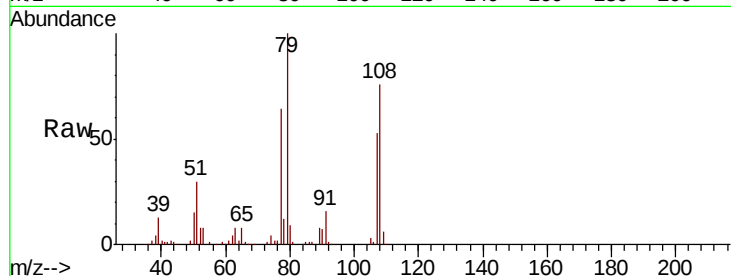
Tot Ion: 79 Resp: 226385

Ion Ratio Lower Upper

79 100

108 76.1 65.1 97.7

77 64.0 50.6 75.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 20.896 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

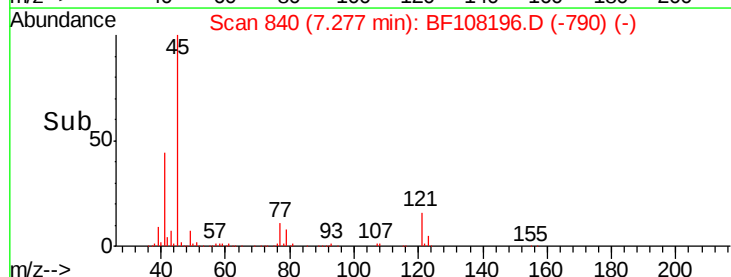
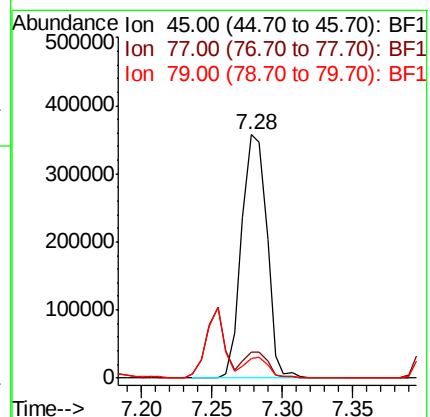
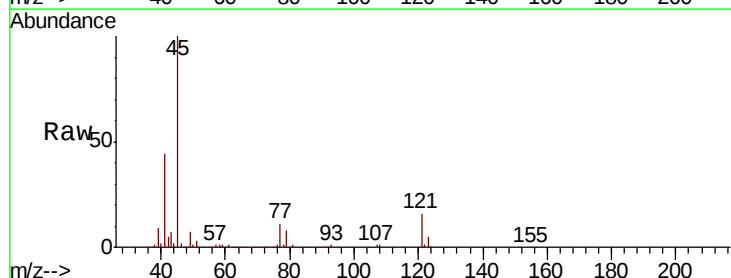
Tgt Ion: 45 Resp: 446485

Ion Ratio Lower Upper

45 100

77 10.8 0.0 32.9

79 8.2 0.0 29.6

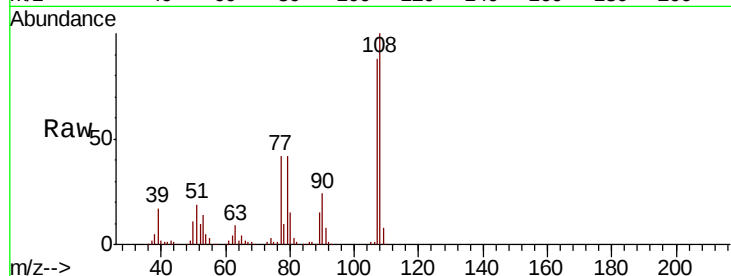




#17
2-Methylphenol
Concen: 21.473 ng
RT: 7.25 min Scan# 836
Delta R.T. 0.01 min
Lab File: BF108196.D
Acq: 16 Aug 2018 15:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	107	Resp:	193566
Ion	Ratio	Lower	Upper
107	100		
108	113.6	91.7	137.5
77	47.2	33.8	50.8
79	47.2	33.8	50.8



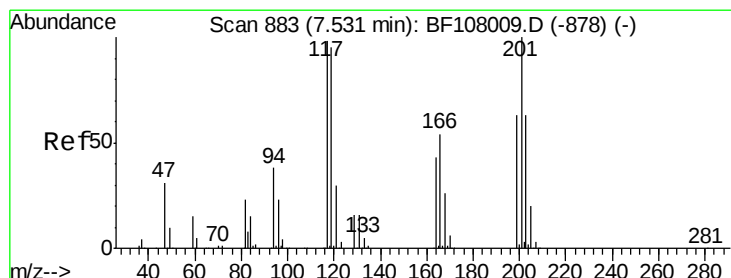
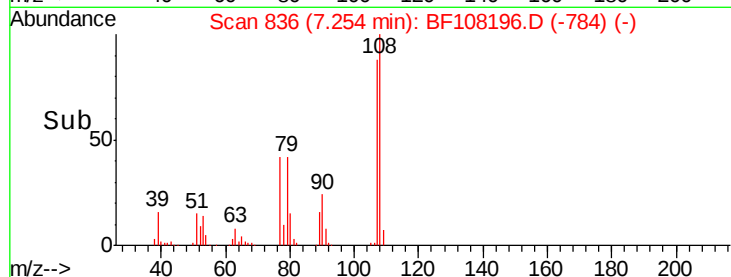
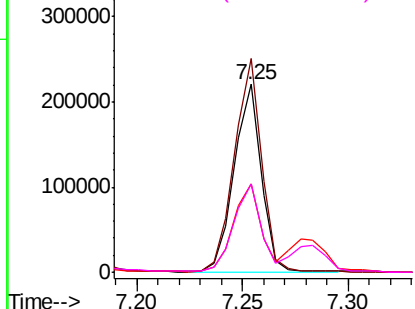
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

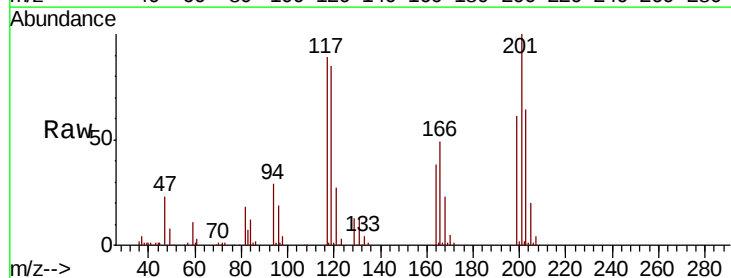
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 21.817 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.00 min
Lab File: BF108196.D
Acq: 16 Aug 2018 15:48

Tgt Ion:	117	Resp:	94850
Ion	Ratio	Lower	Upper
117	100		
119	96.2	75.8	113.8
201	112.6	75.7	113.5

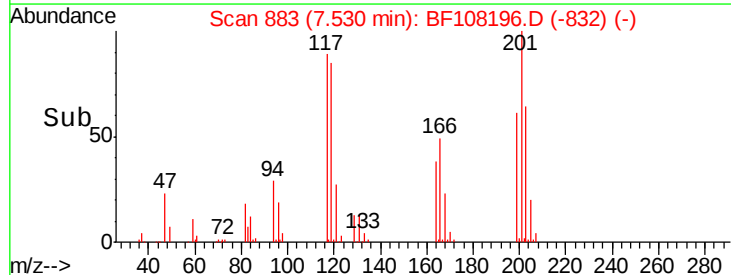
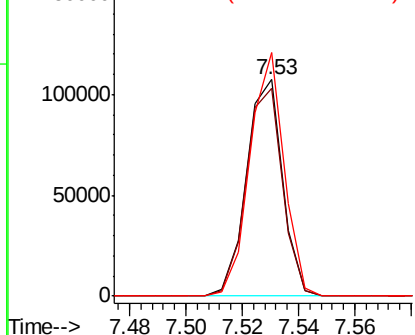


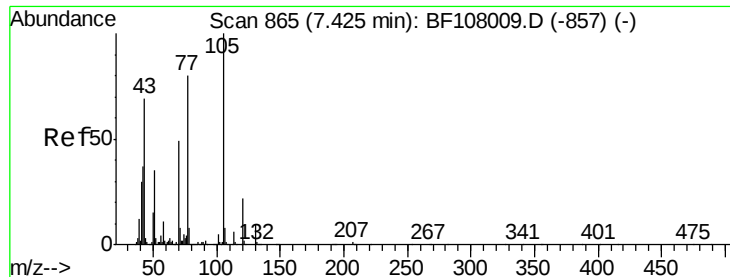
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

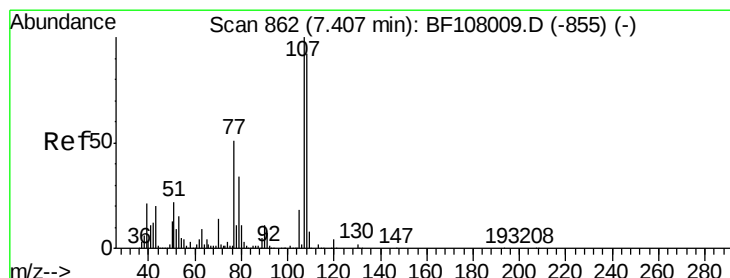
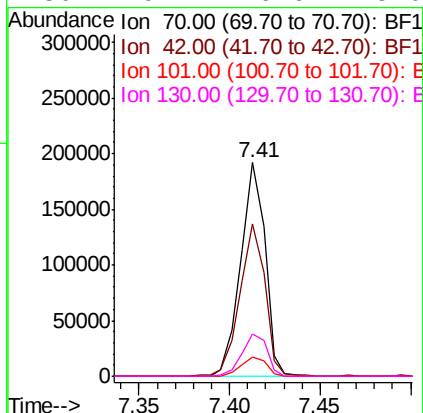
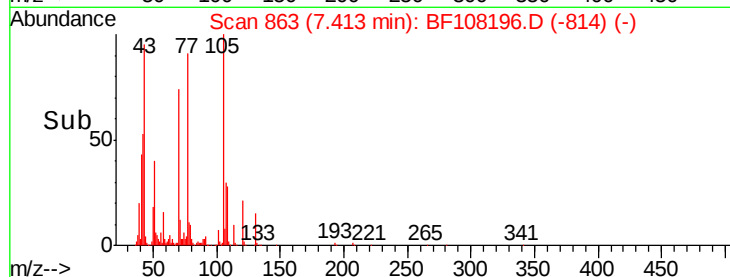
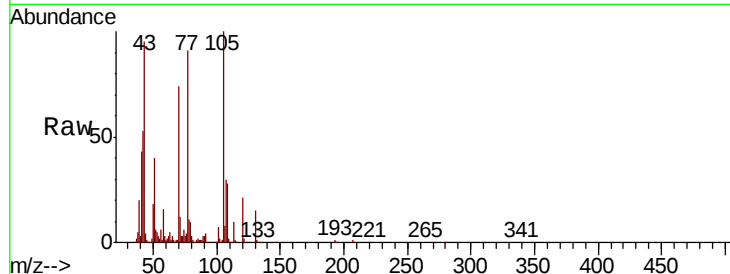




#19
n-Nitroso-di-n-propylamine
Concen: 21.448 ng
RT: 7.41 min Scan# 863
Delta R.T. -0.01 min
Lab File: BF108196.D
Acq: 16 Aug 2018 15:48

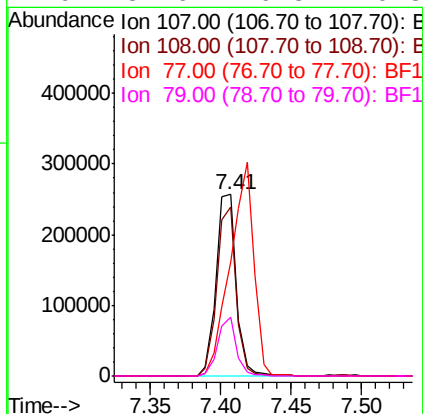
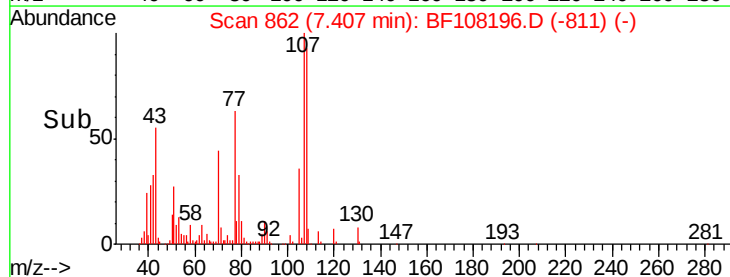
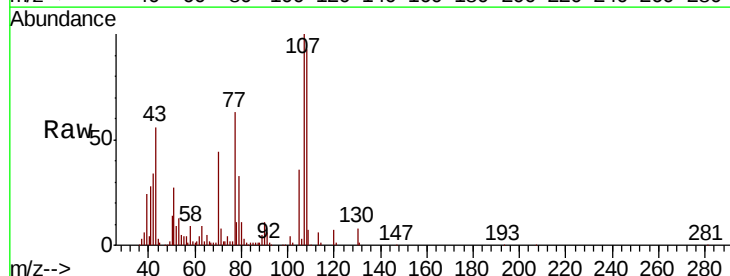
Instrument :
BNA_F
ClientSampled :

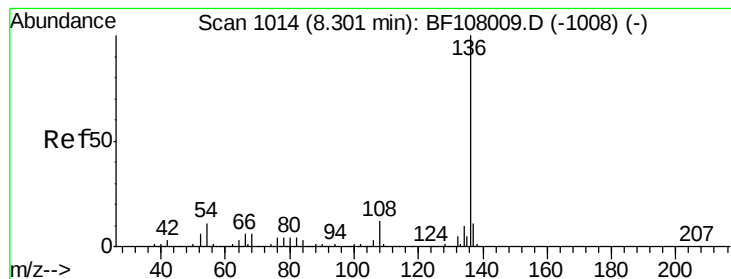
Tot Ion: 70 Resp: 179884
Ion Ratio Lower Upper
70 100
42 71.3 47.5 71.3#
101 9.0 7.4 11.2
130 19.7 16.6 25.0



#20
3+4-Methylphenols
Concen: 22.190 ng
RT: 7.41 min Scan# 862
Delta R.T. -0.00 min
Lab File: BF108196.D
Acq: 16 Aug 2018 15:48

Tgt Ion: 107 Resp: 256332
Ion Ratio Lower Upper
107 100
108 92.9 68.2 108.2
77 63.1 26.7 66.7
79 32.6 6.3 46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. -0.00 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 655344

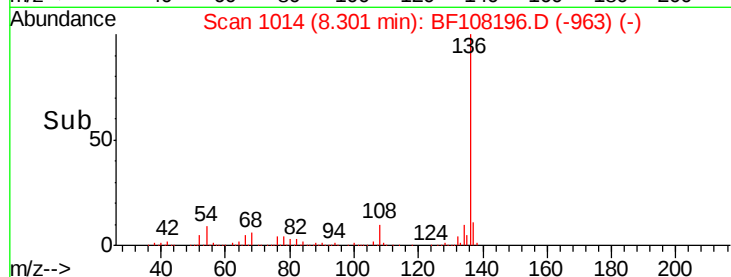
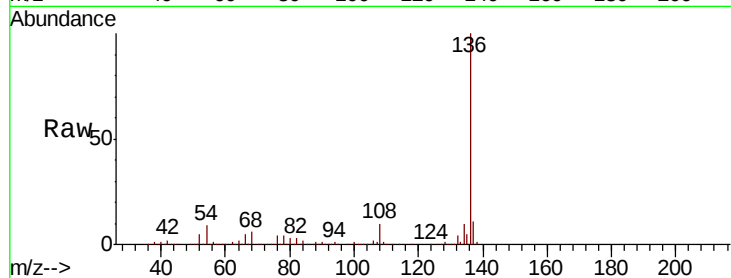
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 9.4 6.6 9.8

68 5.8 5.0 7.4

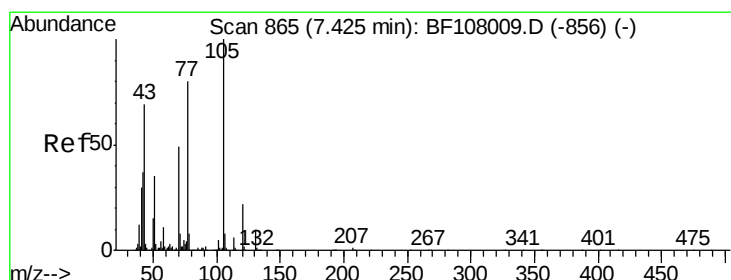
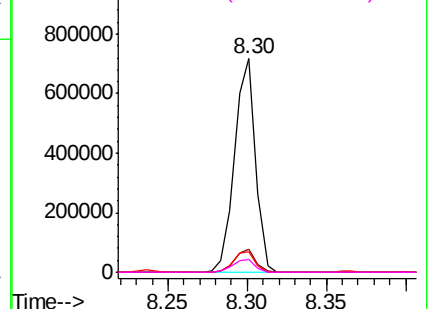


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 22.590 ng

RT: 7.42 min Scan# 864

Delta R.T. -0.01 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

Tgt Ion:105 Resp: 346166

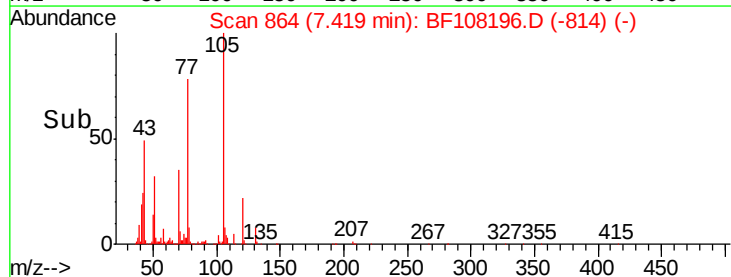
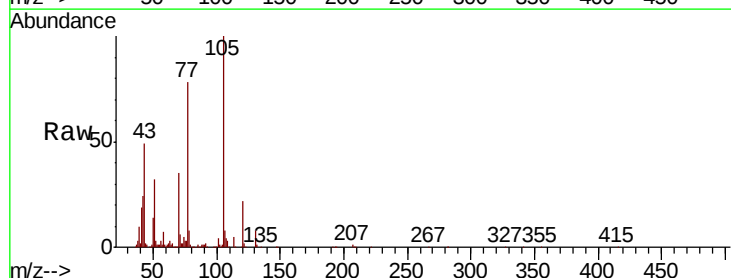
Ion Ratio Lower Upper

105 100

71 5.8 4.4 6.6

51 31.8 22.3 33.5

120 21.6 16.9 25.3

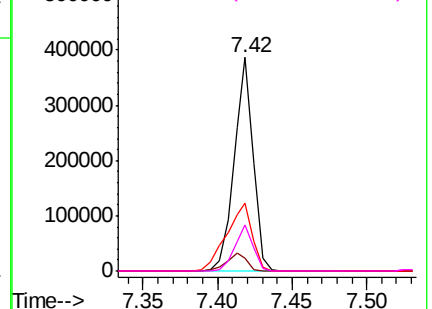


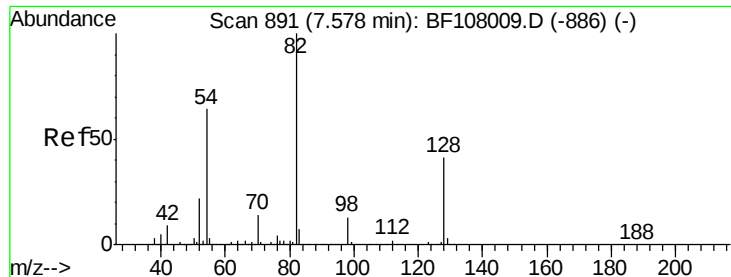
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

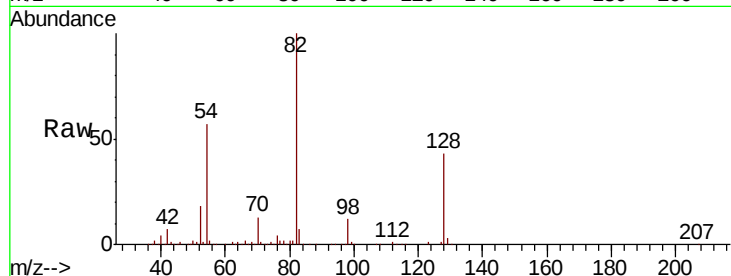




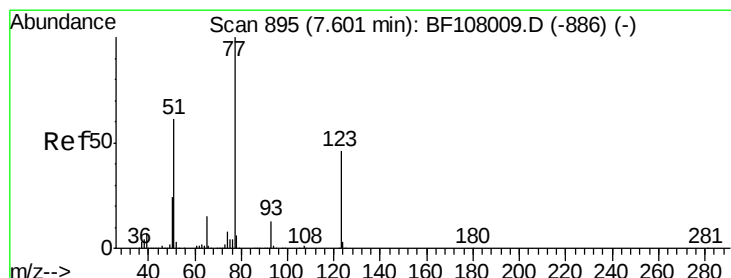
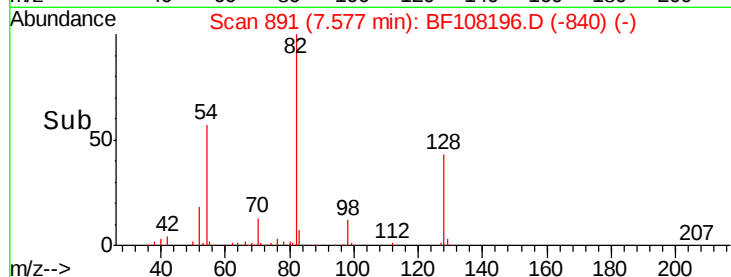
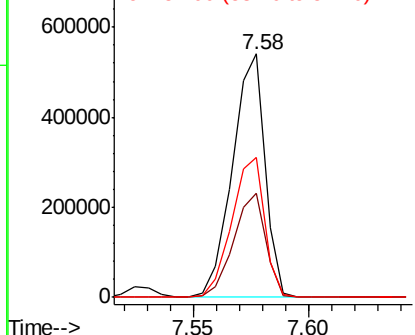
#23
Nitrobenzene-d5
Concen: 45.180 ng
RT: 7.58 min Scan# 891
Delta R.T. -0.00 min
Lab File: BF108196.D
Acq: 16 Aug 2018 15:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.8	36.1	54.1
54	57.4	41.4	62.2

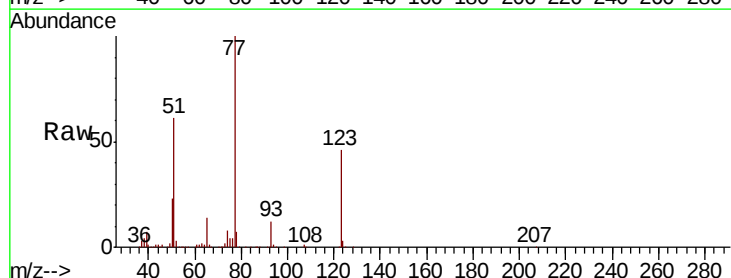


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

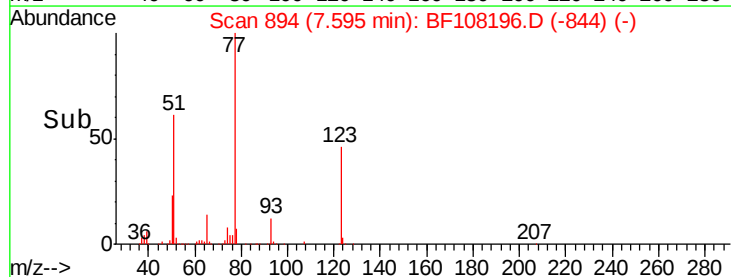
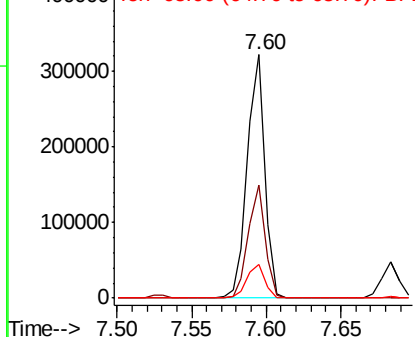


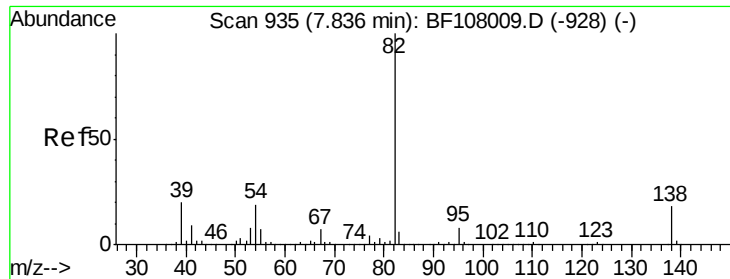
#24
Nitrobenzene
Concen: 22.050 ng
RT: 7.60 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF108196.D
Acq: 16 Aug 2018 15:48

Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.2	37.9	56.9
65	13.9	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: 21.424 ng

RT: 7.83 min Scan# 934

Delta R.T. -0.01 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

Instrument :

BNA_F

ClientSampleId :

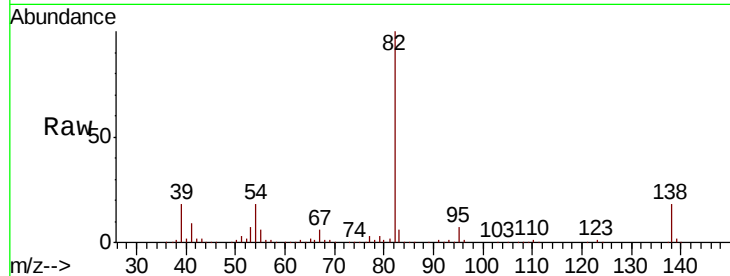
Tot Ion: 82 Resp: 479570

Ion Ratio Lower Upper

82 100

95 7.1 5.2 7.8

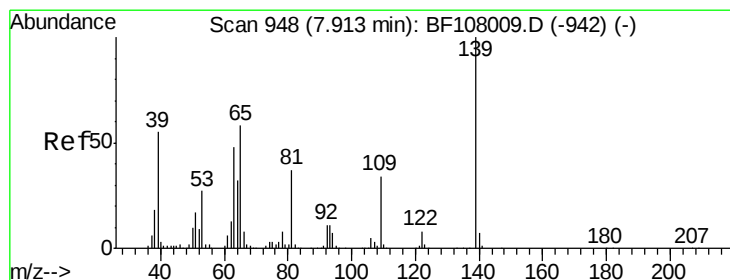
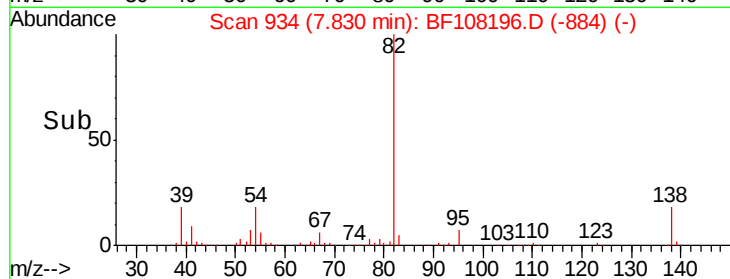
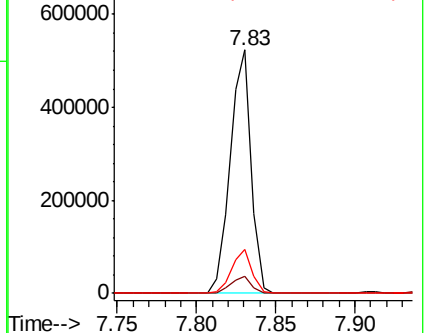
138 18.1 14.9 22.3



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: 25.782 ng

RT: 7.91 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

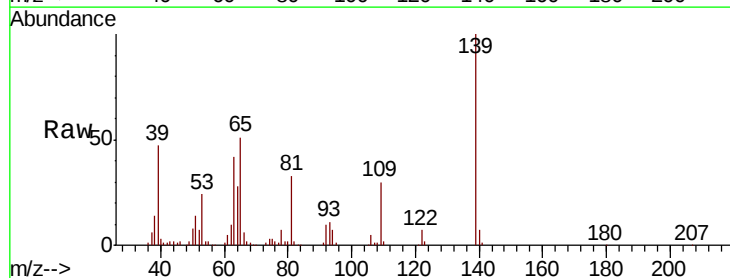
Tgt Ion: 139 Resp: 115629

Ion Ratio Lower Upper

139 100

109 29.8 22.7 34.1

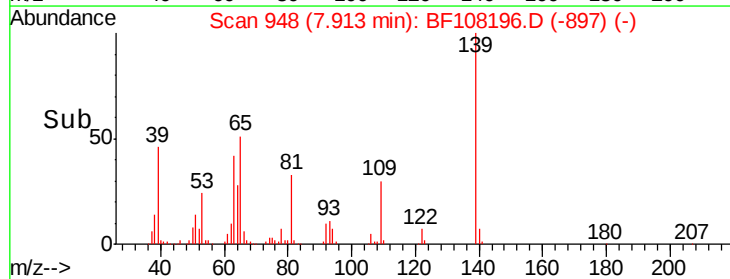
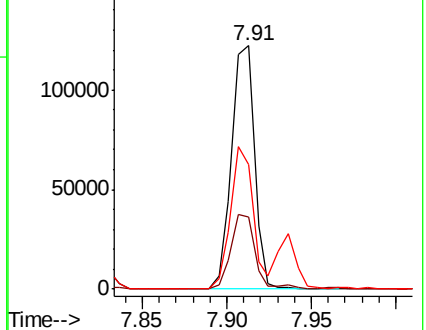
65 51.3 40.5 60.7

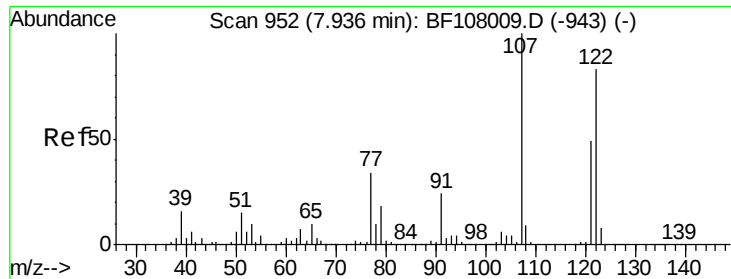


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 21.685 ng

RT: 7.94 min Scan# 952

Delta R.T. -0.00 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

Instrument :

BNA_F

ClientSampleId :

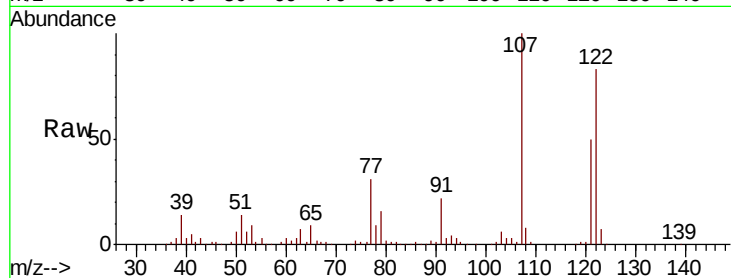
Tot Ion:122 Resp: 215442

Ion Ratio Lower Upper

122 100

107 120.5 91.2 136.8

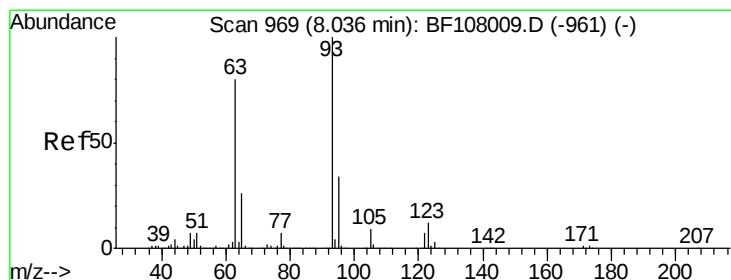
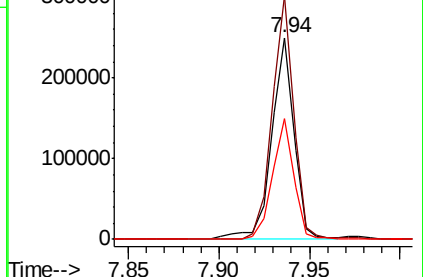
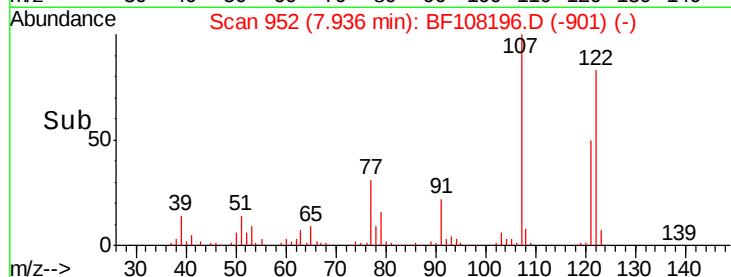
121 59.7 47.2 70.8



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: 22.447 ng

RT: 8.04 min Scan# 969

Delta R.T. -0.00 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

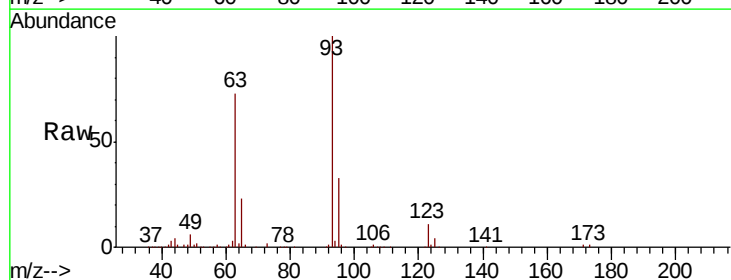
Tgt Ion: 93 Resp: 293337

Ion Ratio Lower Upper

93 100

95 33.1 26.3 39.5

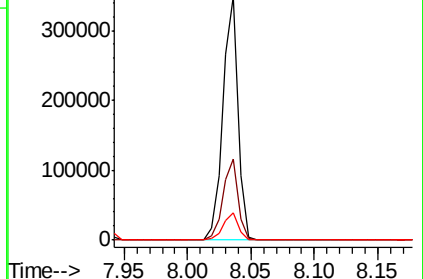
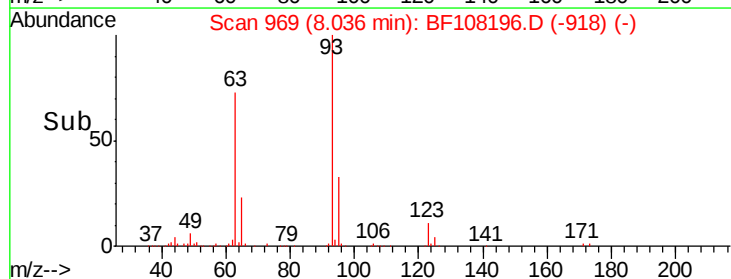
123 11.4 9.8 14.6



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

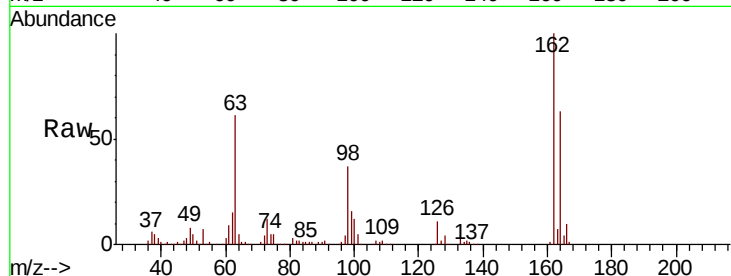




#29
2,4-Dichlorophenol
Concen: 22.644 ng
RT: 8.15 min Scan# 988
Delta R.T. -0.00 min
Lab File: BF108196.D
Acq: 16 Aug 2018 15:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.0	42.7	82.7
98	36.9	18.1	58.1

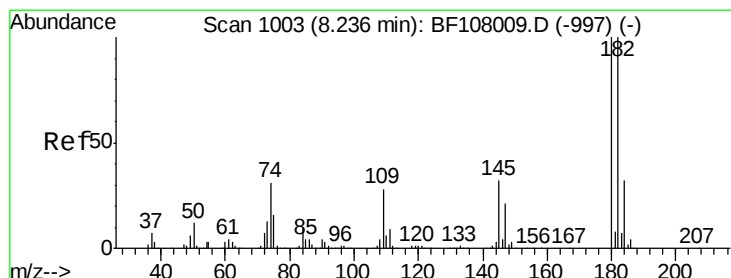
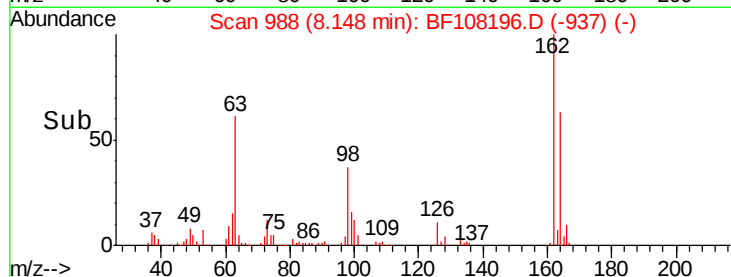
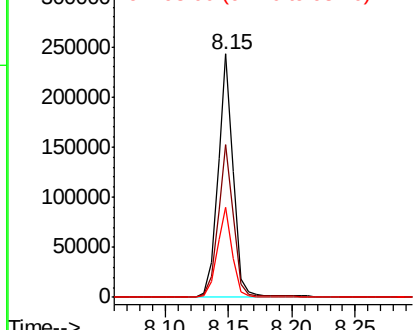


Abundance

Ion 162.00 (161.70 to 162.70): E

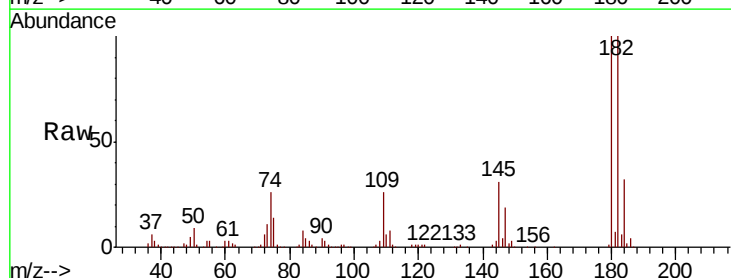
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 21.977 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BF108196.D
Acq: 16 Aug 2018 15:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.7	76.8	115.2
145	31.4	26.5	39.7

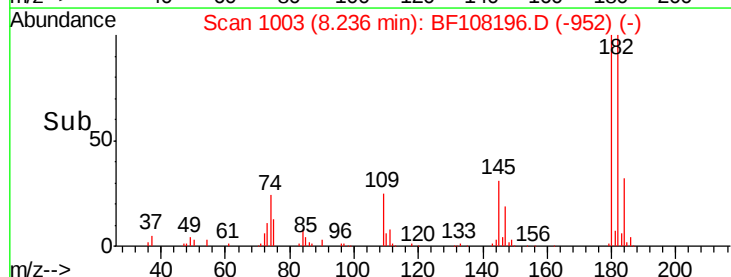
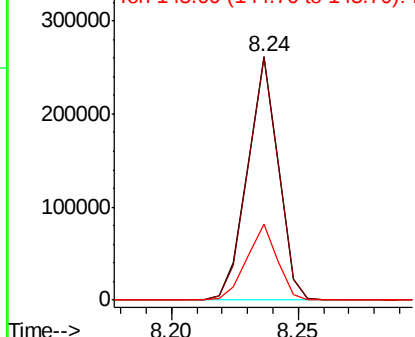


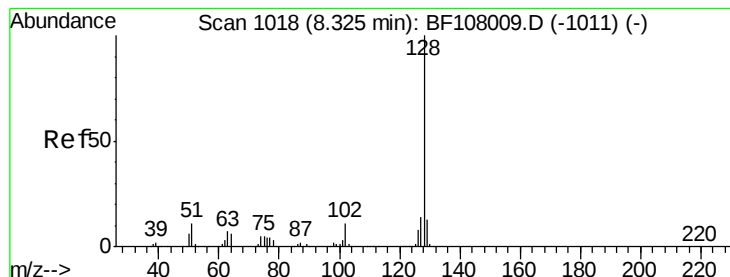
Abundance

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: 23.178 ng

RT: 8.32 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

Instrument :

BNA_F

ClientSampleId :

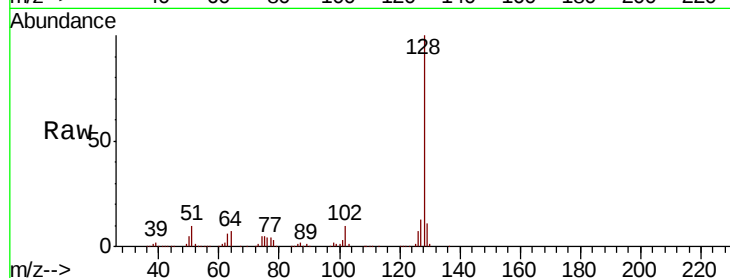
Tot Ion:128 Resp: 690791

Ion Ratio Lower Upper

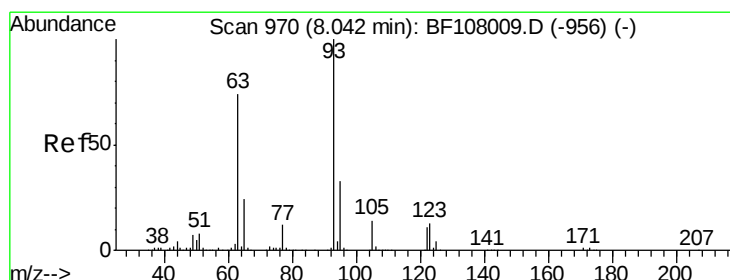
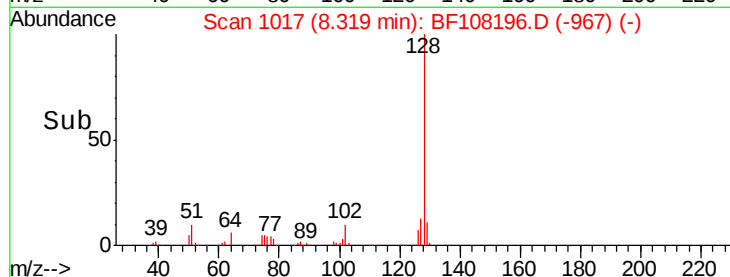
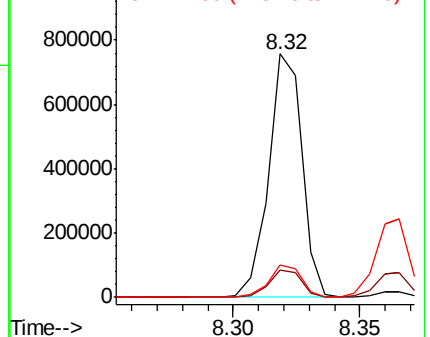
128 100

129 11.3 8.8 13.2

127 13.2 10.9 16.3



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



#32

Benzoic acid

Concen: 38.692 ng

RT: 7.94 min Scan# 952

Delta R.T. -0.11 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

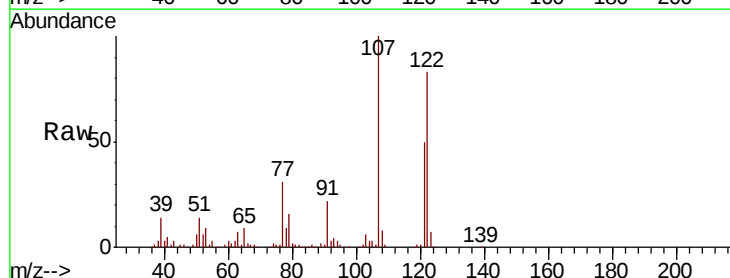
Tgt Ion:122 Resp: 215442

Ion Ratio Lower Upper

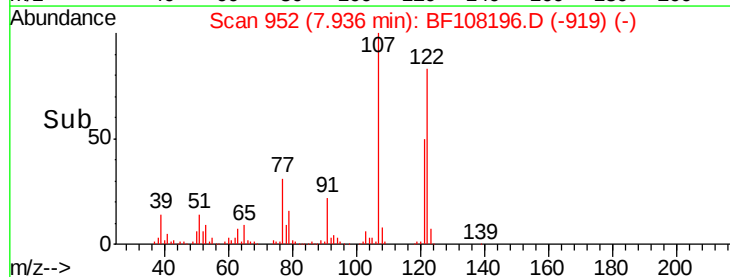
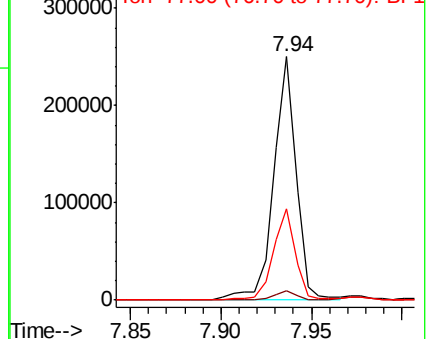
122 100

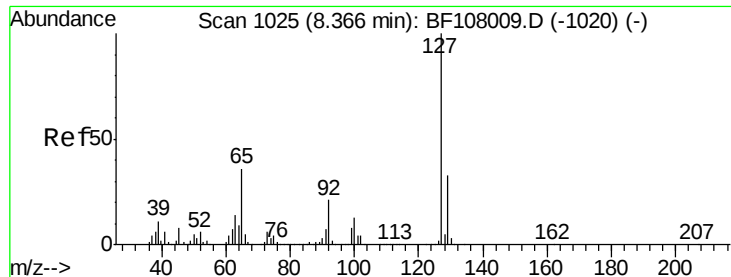
105 3.9 101.1 141.1#

77 37.5 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

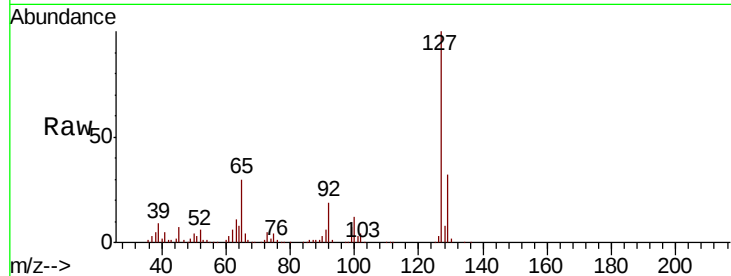




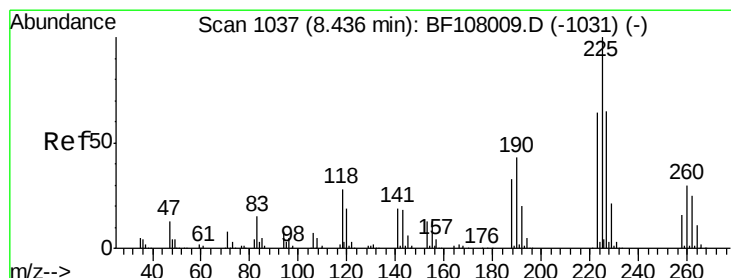
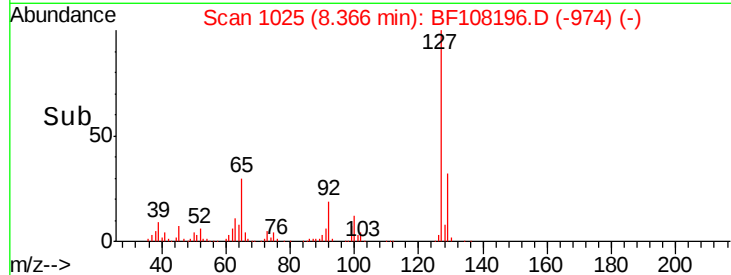
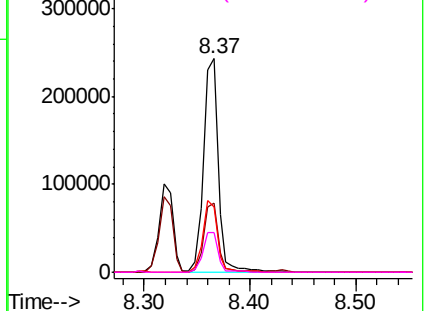
#33
4-Chloroaniline
Concen: 18.049 ng
RT: 8.37 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BF108196.D
Acq: 16 Aug 2018 15:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:127	Resp:	234421
Ion Ratio	Lower	Upper
127	100	
129	32.2	25.9 38.9
65	30.3	25.0 37.4
92	18.6	15.2 22.8

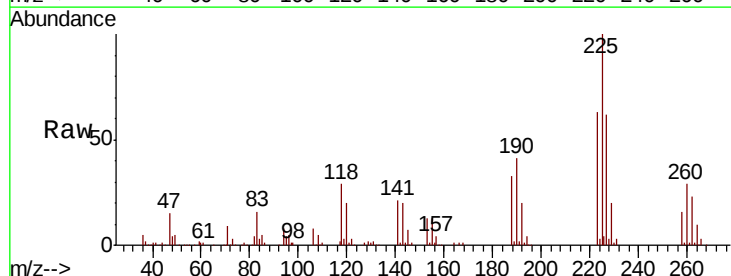


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

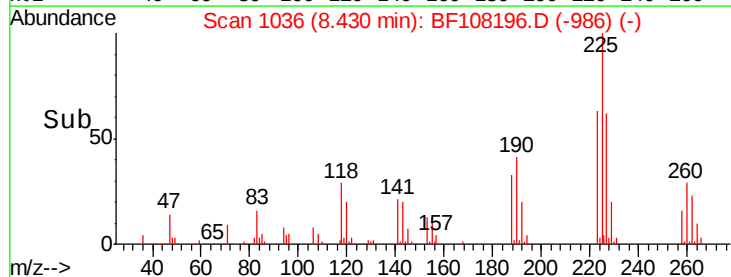
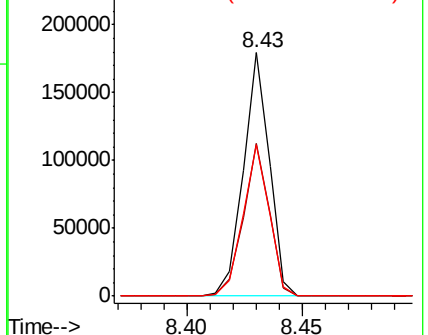


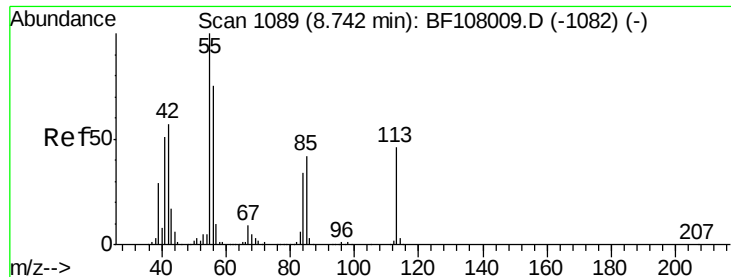
#34
Hexachlorobutadiene
Concen: 22.146 ng
RT: 8.43 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF108196.D
Acq: 16 Aug 2018 15:48

Tgt Ion:225	Resp:	141321
Ion Ratio	Lower	Upper
225	100	
223	62.5	50.6 76.0
227	62.5	51.9 77.9



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





#35

Caprolactam

Concen: 21.268 ng

RT: 8.71 min Scan# 1084

Delta R.T. -0.03 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

Instrument :

BNA_F

ClientSampled :

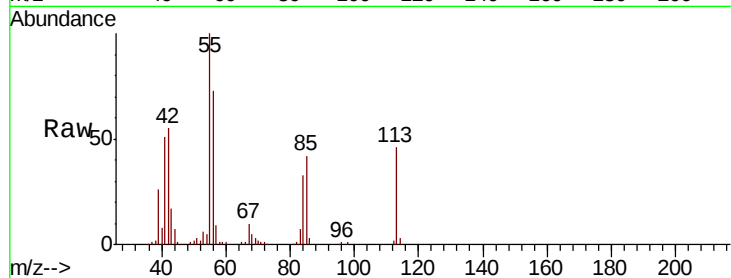
Tot Ion:113 Resp: 60937

Ion Ratio Lower Upper

113 100

55 217.2 163.3 203.3#

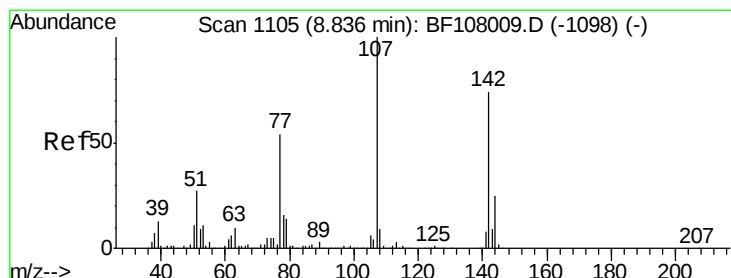
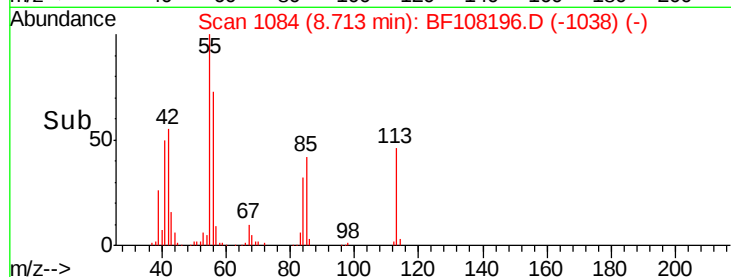
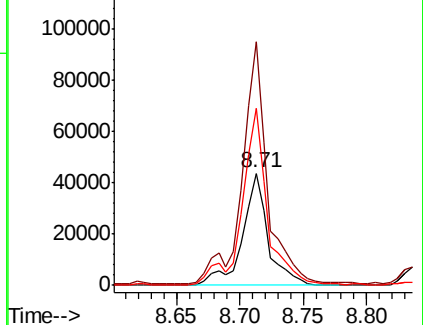
56 158.0 115.7 155.7#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 21.694 ng

RT: 8.84 min Scan# 1105

Delta R.T. -0.00 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

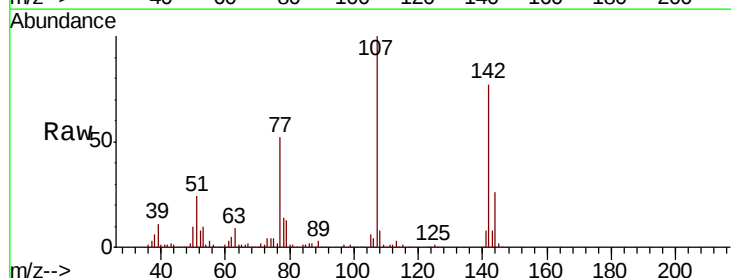
Tgt Ion:107 Resp: 213970

Ion Ratio Lower Upper

107 100

144 25.9 20.5 30.7

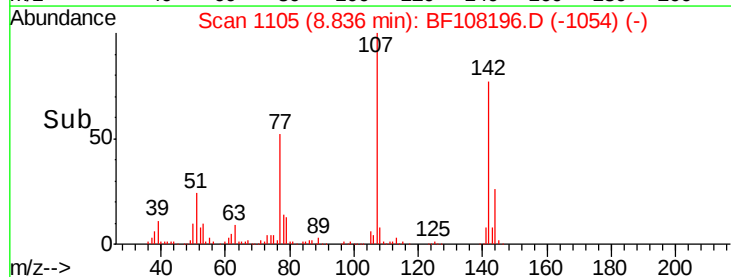
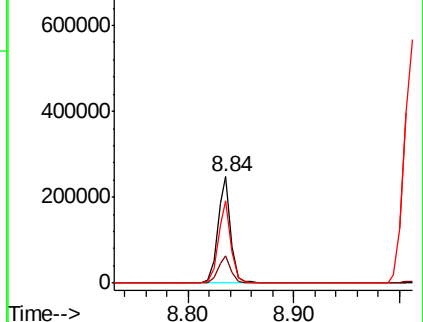
142 77.4 62.0 93.0

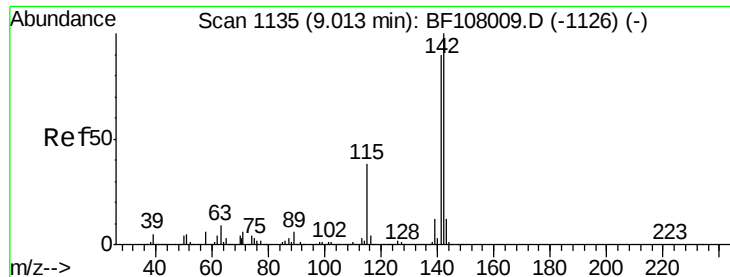


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

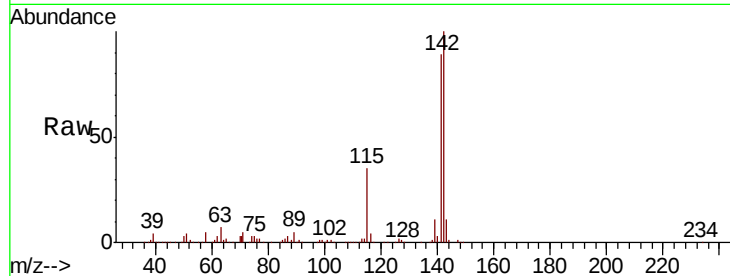




#37
 2-Methylnaphthalene
 Concen: 22.481 ng
 RT: 9.01 min Scan# 1135
 Delta R.T. -0.00 min
 Lab File: BF108196.D
 Acq: 16 Aug 2018 15:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.8	106.2
115	34.6	26.1	39.1

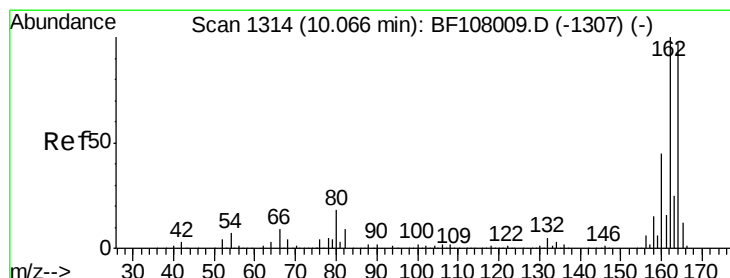
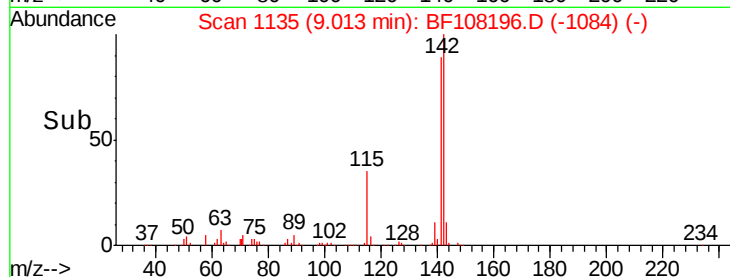
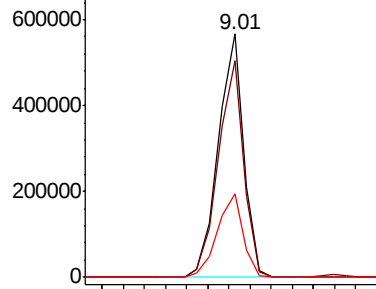


Abundance

Ion 142.00 (141.70 to 142.70): E

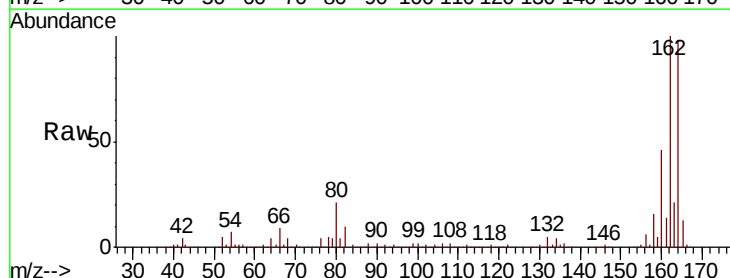
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF108196.D
 Acq: 16 Aug 2018 15:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	86.1	129.1
160	46.9	38.3	57.5

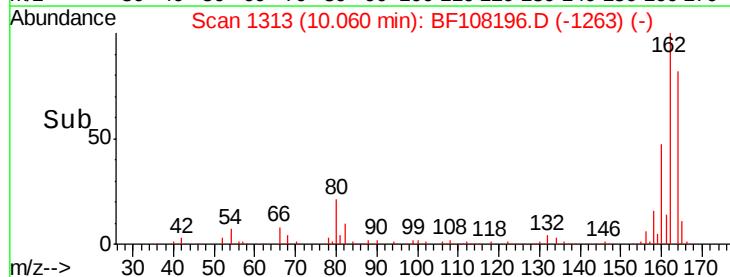
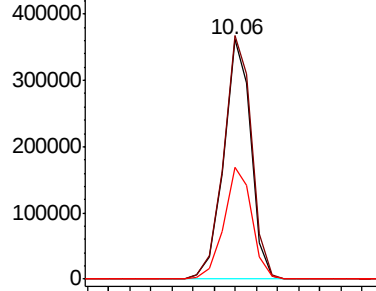


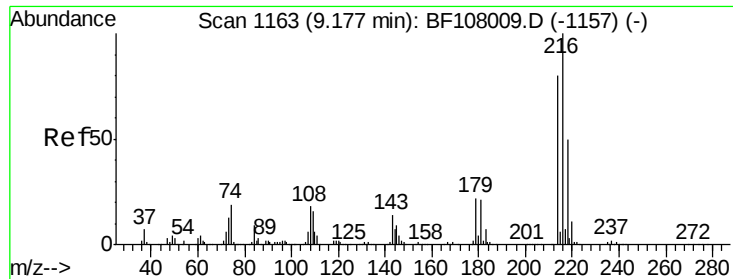
Abundance

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

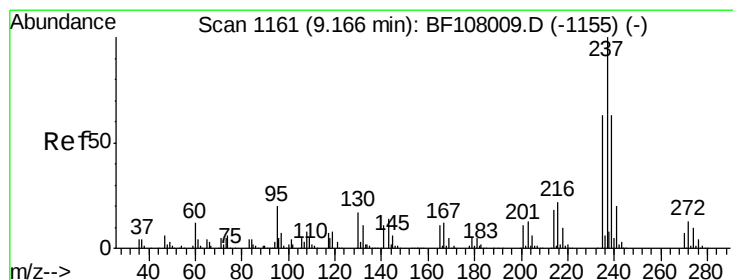
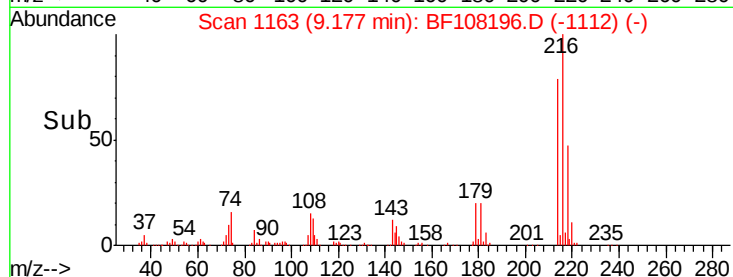
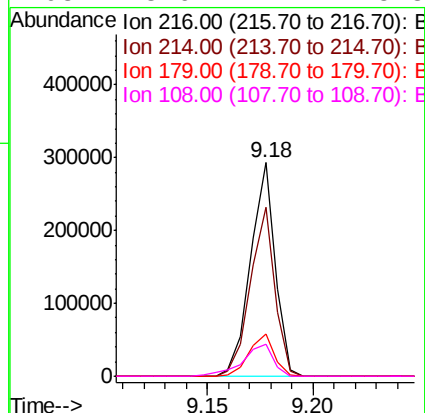
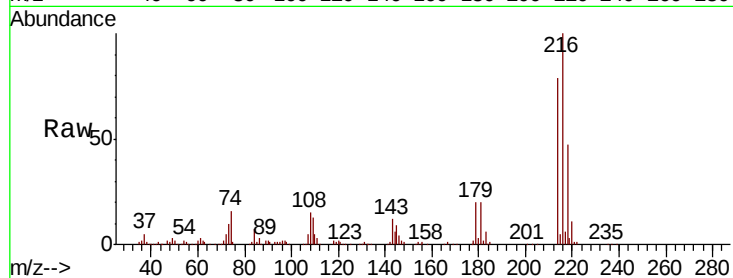




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 23.985 ng
 RT: 9.18 min Scan# 1163
 Delta R.T. -0.00 min
 Lab File: BF108196.D
 Acq: 16 Aug 2018 15:48

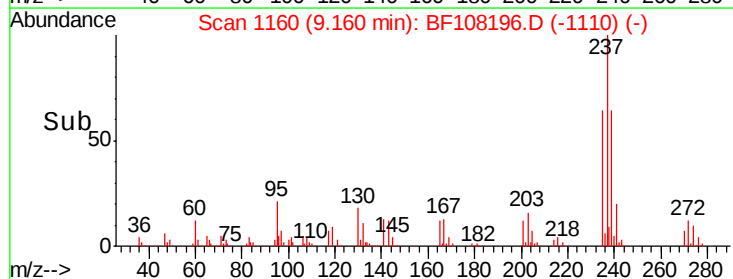
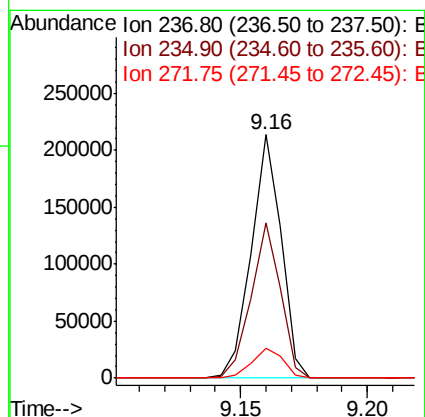
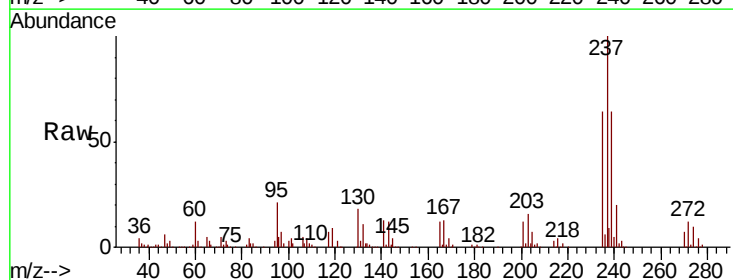
Instrument :
 BNA_F
 ClientSampleId :

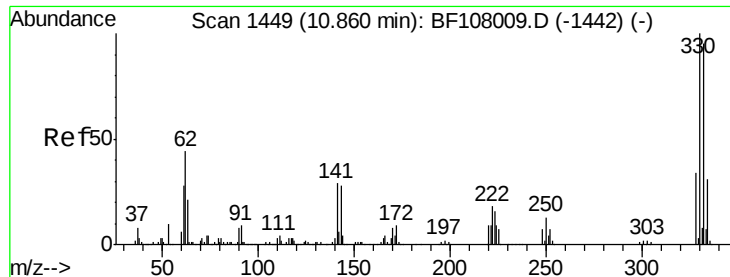
Tot Ion:216	Resp:	238763
Ion Ratio	Lower	Upper
216	100	
214	78.8	63.0 94.4
179	20.2	18.1 27.1
108	18.6	17.2 25.8



#40
 Hexachlorocyclopentadiene
 Concen: 27.308 ng
 RT: 9.16 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: BF108196.D
 Acq: 16 Aug 2018 15:48

Tgt Ion:237	Resp:	175585
Ion Ratio	Lower	Upper
237	100	
235	63.9	44.8 84.8
272	12.2	0.0 33.3

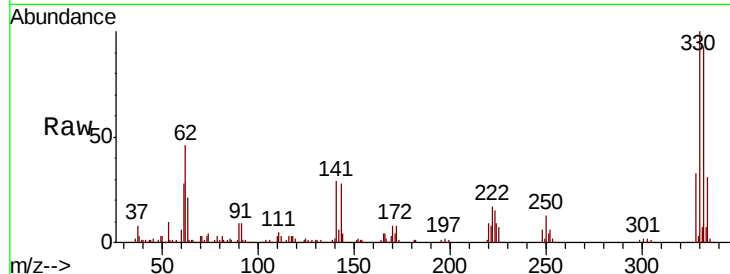




#41
 2,4,6-Tribromophenol
 Concen: 67.082 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108196.D
 Acq: 16 Aug 2018 15:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.1	77.0	115.6
141	32.7	29.9	44.9

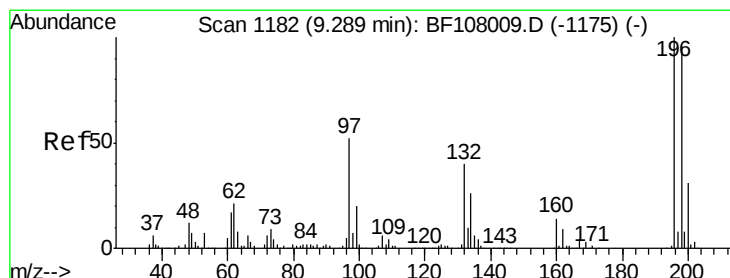
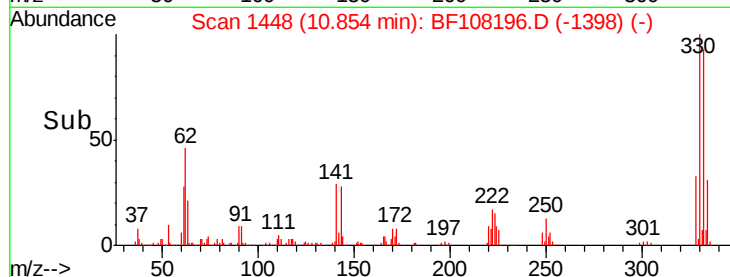
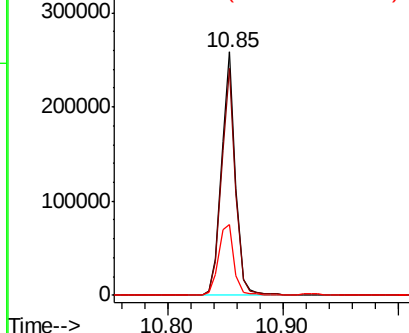


Abundance

Ion 329.80 (329.50 to 330.50): E

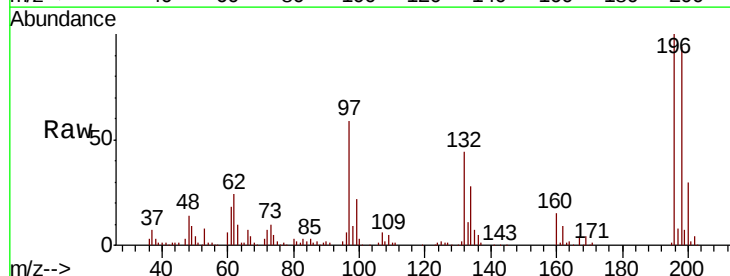
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42
 2,4,6-Trichlorophenol
 Concen: 24.183 ng
 RT: 9.28 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: BF108196.D
 Acq: 16 Aug 2018 15:48

Tgt Ion	Ratio	Lower	Upper
196	100		
198	93.9	75.7	113.5
200	30.4	24.5	36.7

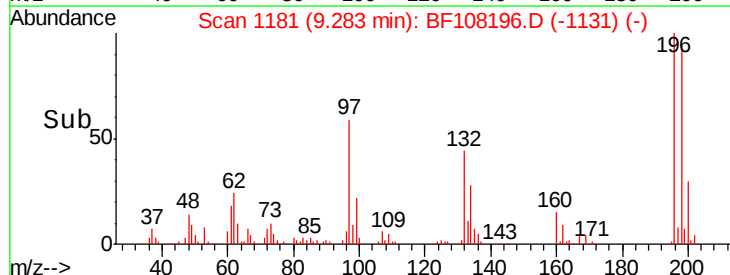
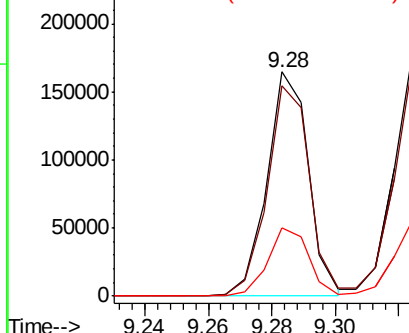


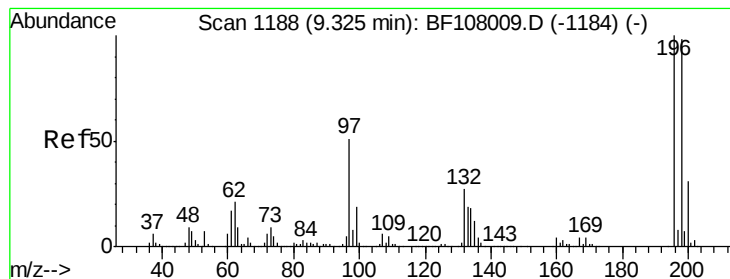
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E





#43

2,4,5-Trichlorophenol

Concen: 23.691 ng

RT: 9.32 min Scan# 1188

Delta R.T. -0.00 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:196 Resp: 161101

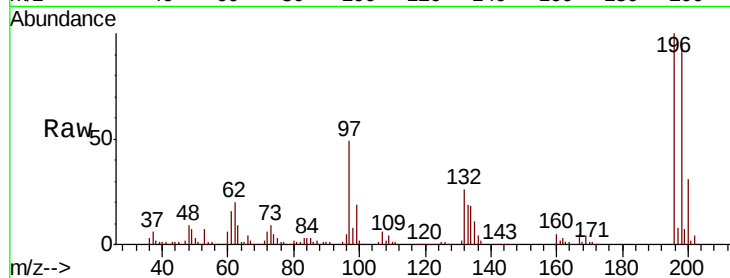
Ion Ratio Lower Upper

196 100

198 96.1 74.6 112.0

97 49.4 42.9 64.3

132 26.3 26.3 39.5

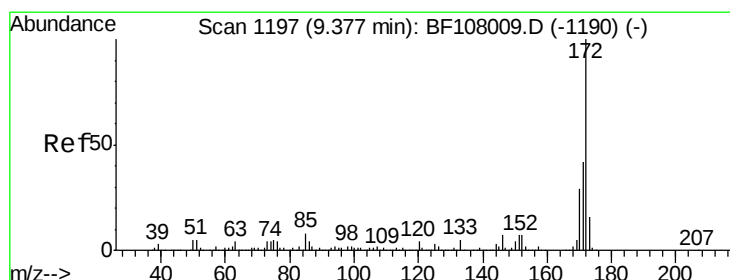
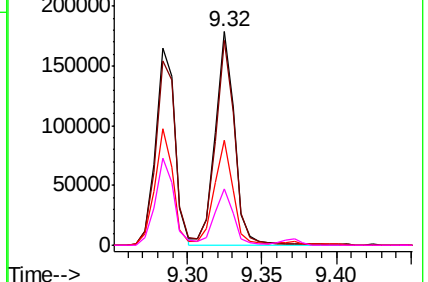
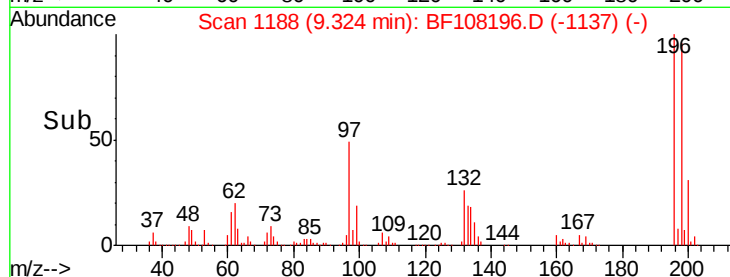


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E



#44

2-Fluorobiphenyl

Concen: 47.676 ng

RT: 9.37 min Scan# 1196

Delta R.T. -0.01 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

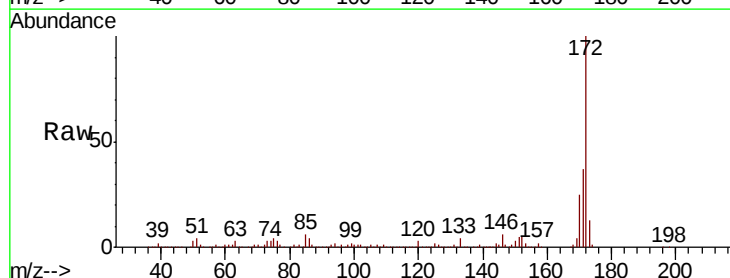
Tgt Ion:172 Resp: 962618

Ion Ratio Lower Upper

172 100

171 36.5 29.7 44.5

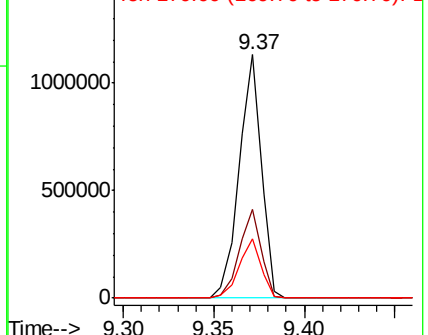
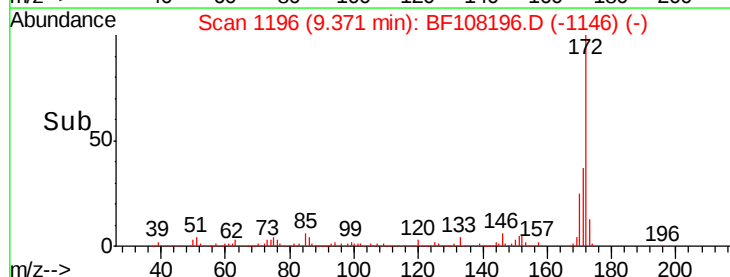
170 24.5 19.6 29.4

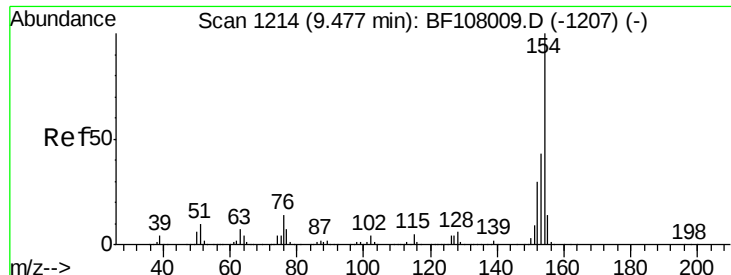


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 24.167 ng

RT: 9.47 min Scan# 1213

Delta R.T. -0.01 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

Instrument :

BNA_F

ClientSampleId :

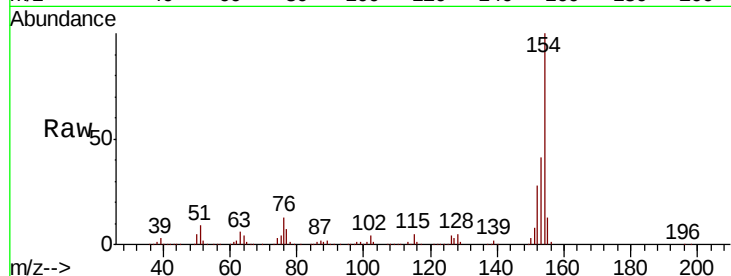
Tot Ion:154 Resp: 577586

Ion Ratio Lower Upper

154 100

153 40.8 21.3 61.3

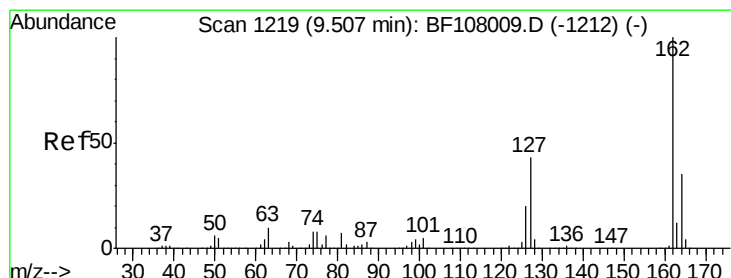
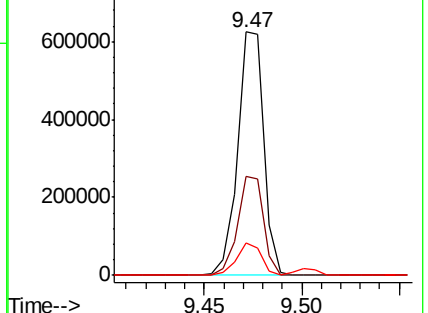
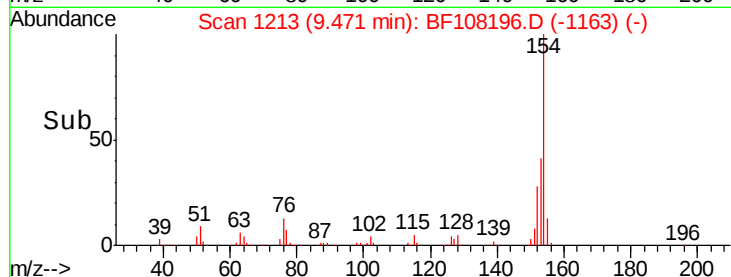
76 13.5 0.0 34.0



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: 23.557 ng

RT: 9.50 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

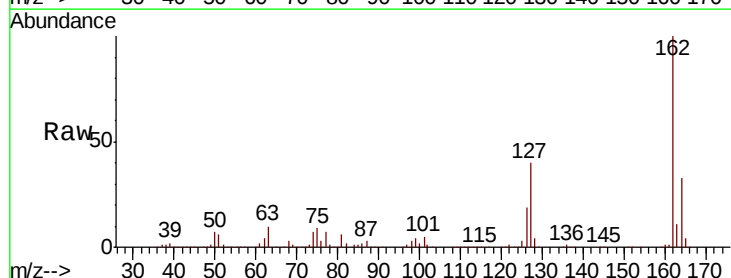
Tgt Ion:162 Resp: 444983

Ion Ratio Lower Upper

162 100

127 40.4 33.9 50.9

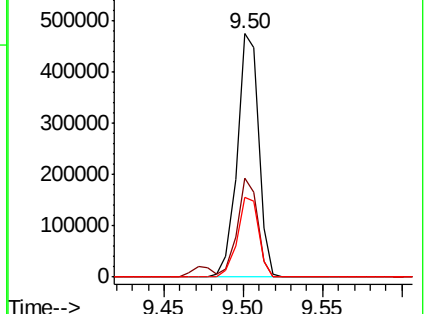
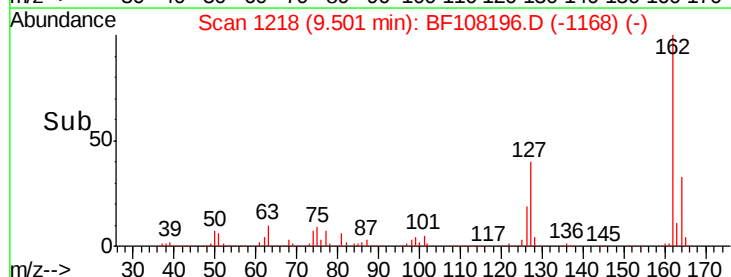
164 32.8 26.5 39.7

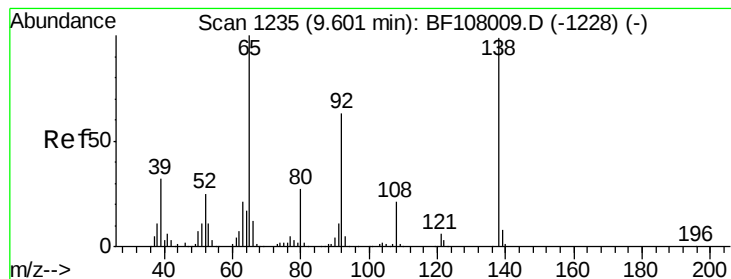


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 23.982 ng

RT: 9.60 min Scan# 1234

Delta R.T. -0.01 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

Instrument :

BNA_F

ClientSampleId :

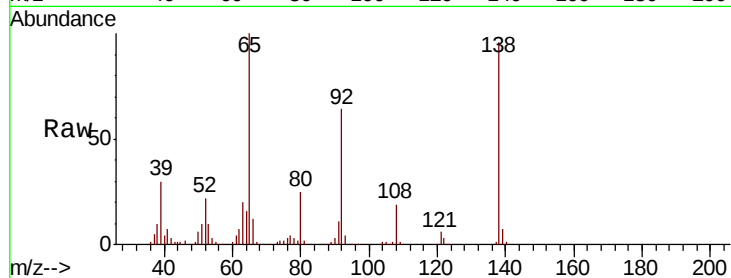
Tot Ion: 65 Resp: 146578

Ion Ratio Lower Upper

65 100

92 64.3 55.8 83.6

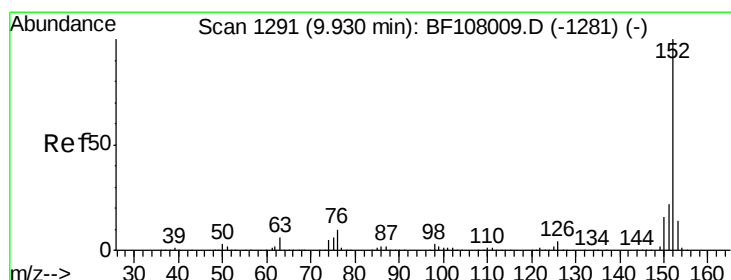
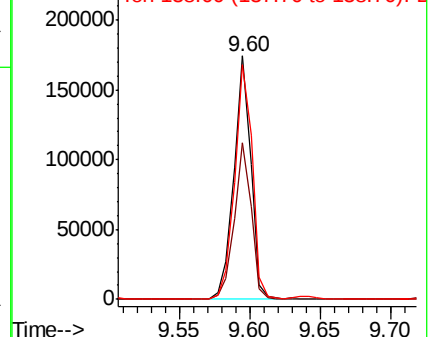
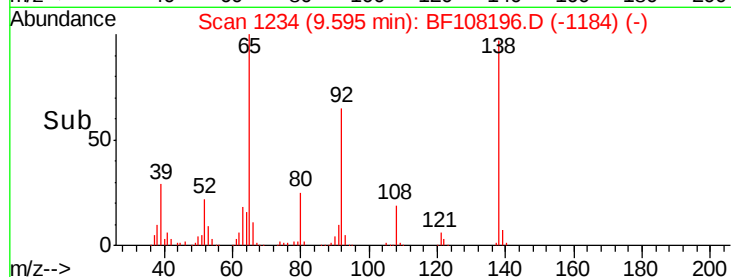
138 96.4 91.2 136.8



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): BF1



#48

Acenaphthylene

Concen: 23.310 ng

RT: 9.92 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

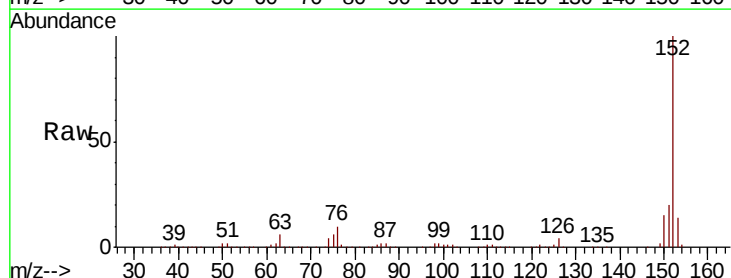
Tgt Ion: 152 Resp: 696098

Ion Ratio Lower Upper

152 100

151 20.4 16.3 24.5

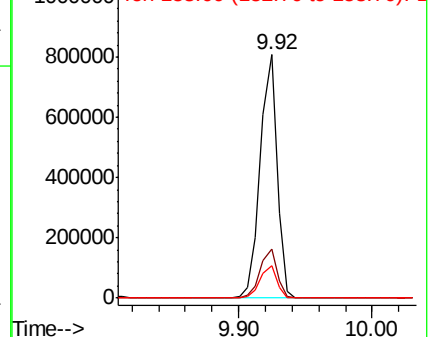
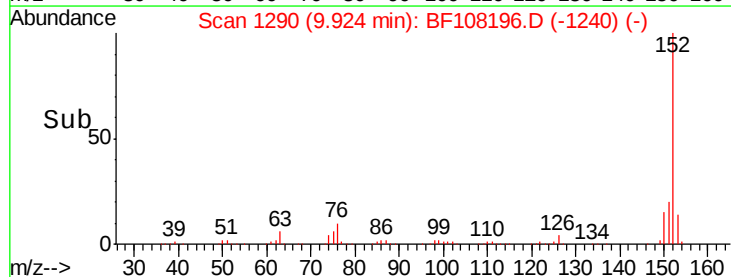
153 13.5 10.7 16.1

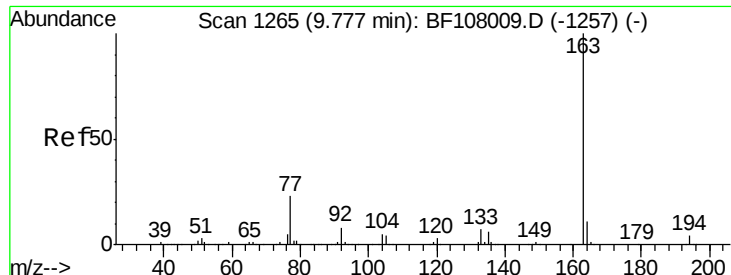


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

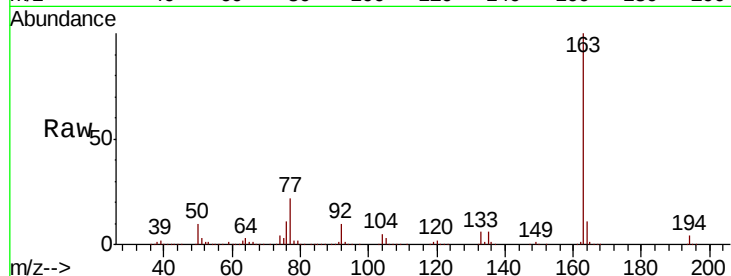




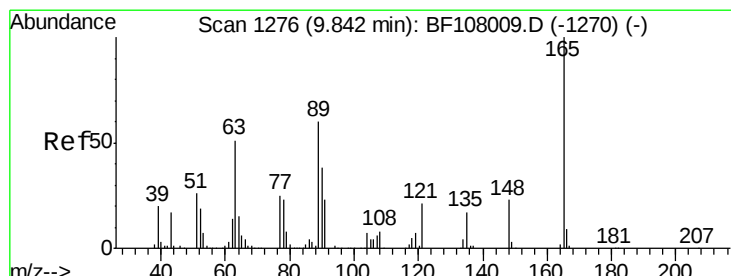
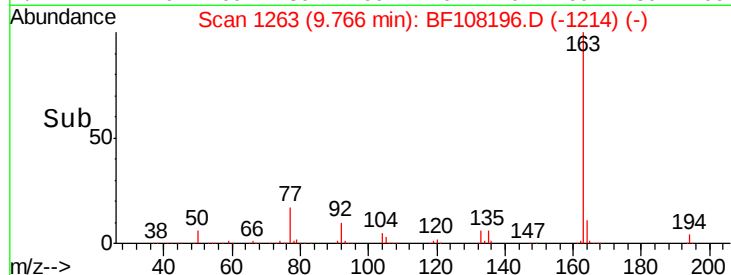
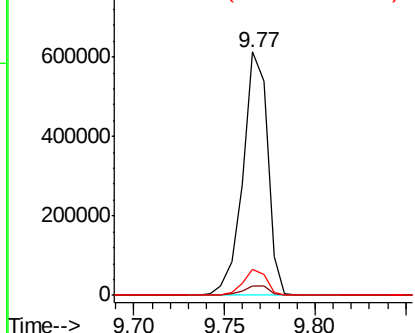
#49
Dimethylphthalate
Concen: 25.711 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108196.D
Acq: 16 Aug 2018 15:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 580562
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.6 8.2 12.2

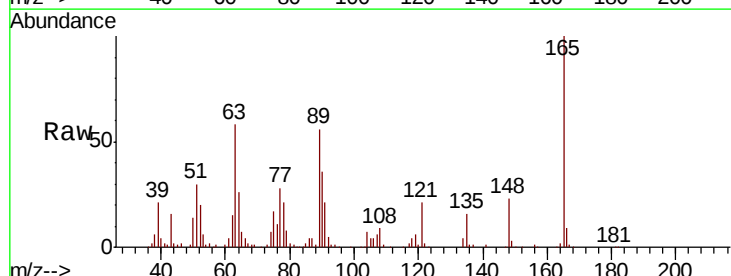


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

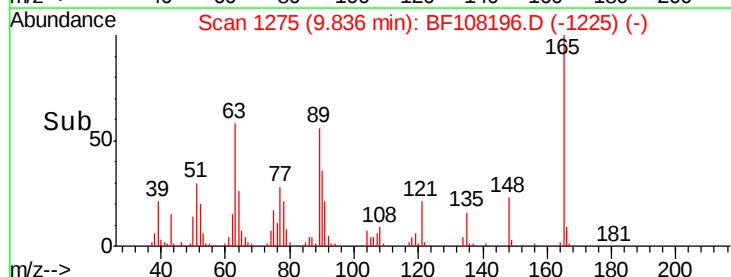
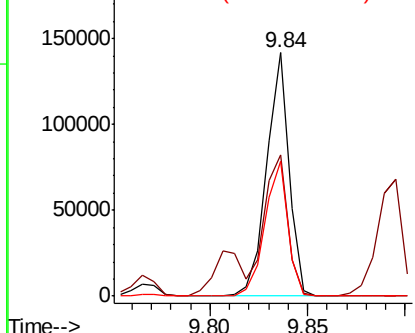


#50
2,6-Dinitrotoluene
Concen: 23.985 ng
RT: 9.84 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BF108196.D
Acq: 16 Aug 2018 15:48

Tgt Ion:165 Resp: 113310
Ion Ratio Lower Upper
165 100
63 57.9 44.7 67.1
89 55.6 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: 22.617 ng

RT: 10.09 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

Instrument :

BNA_F

ClientSampleId :

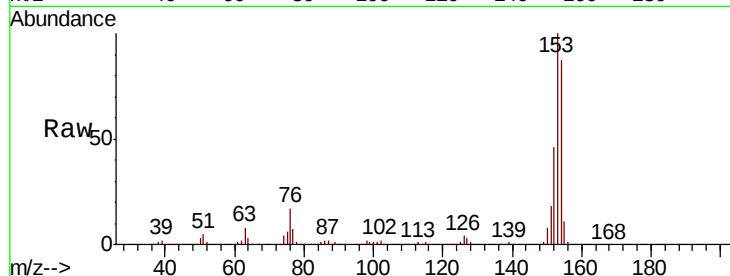
Tot Ion:154 Resp: 413681

Ion Ratio Lower Upper

154 100

153 114.9 91.2 136.8

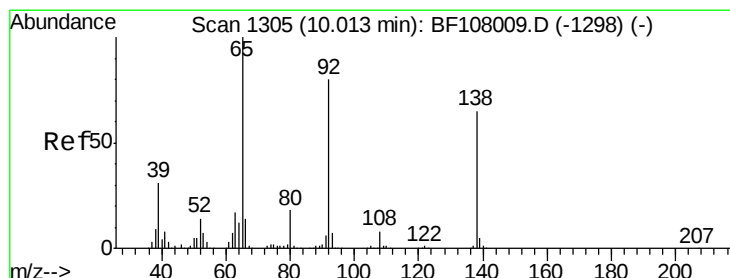
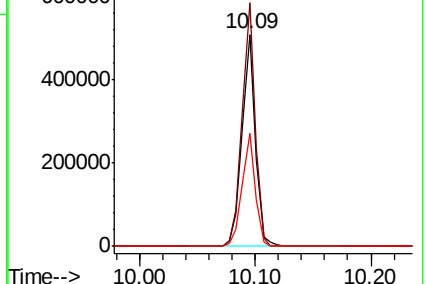
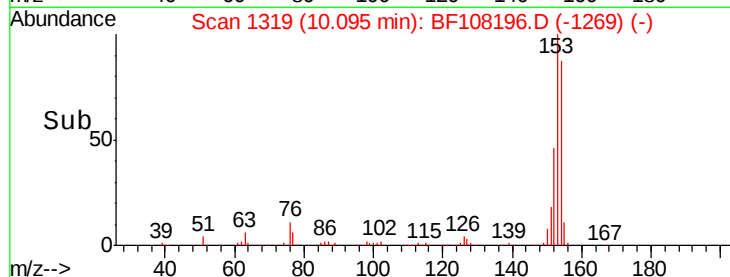
152 53.4 43.8 65.8



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: 20.866 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

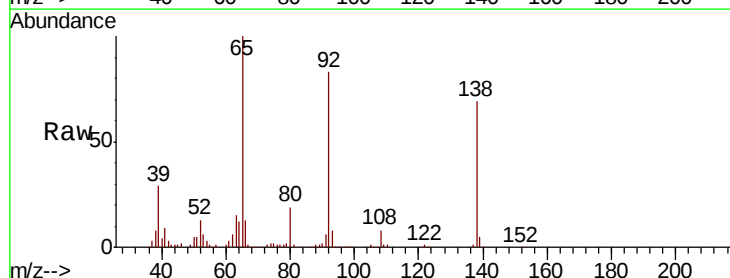
Tgt Ion:138 Resp: 107856

Ion Ratio Lower Upper

138 100

108 11.5 9.4 14.0

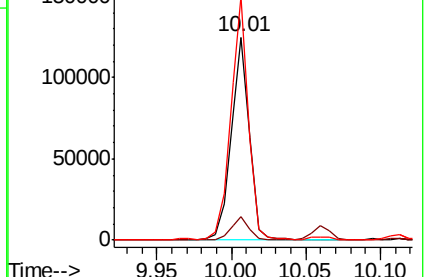
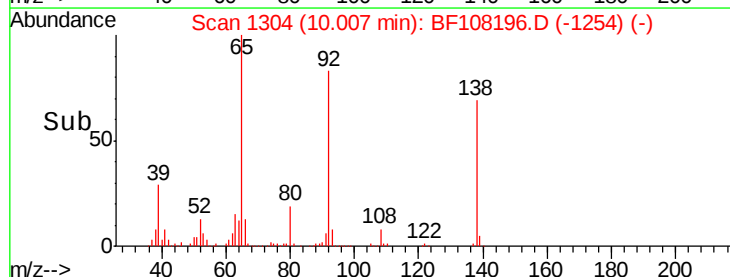
92 120.0 89.4 134.2

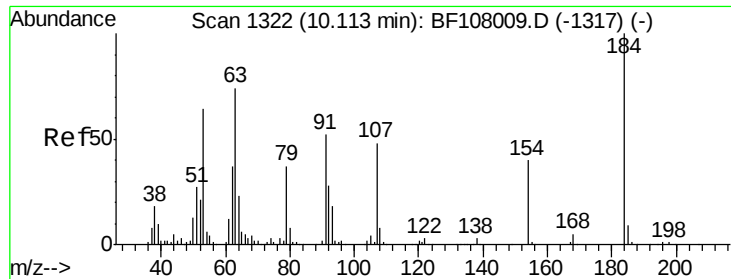


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

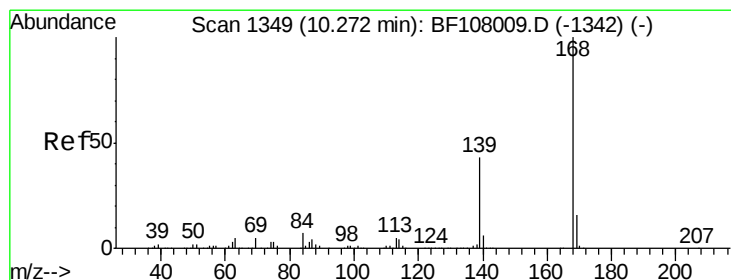
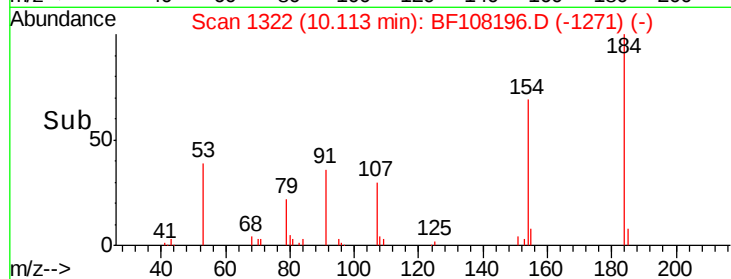
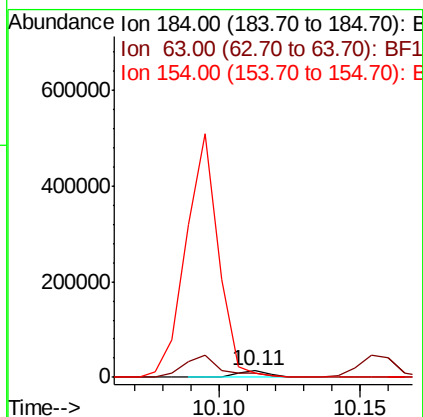
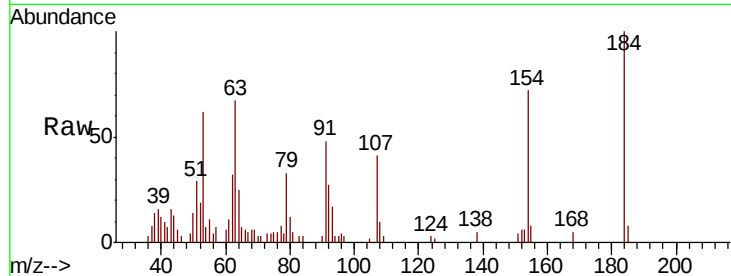




#53
 2,4-Dinitrophenol
 Concen: 12.870 ng
 RT: 10.11 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: BF108196.D
 Acq: 16 Aug 2018 15:48

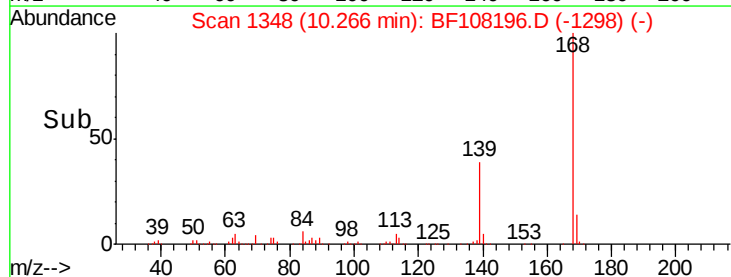
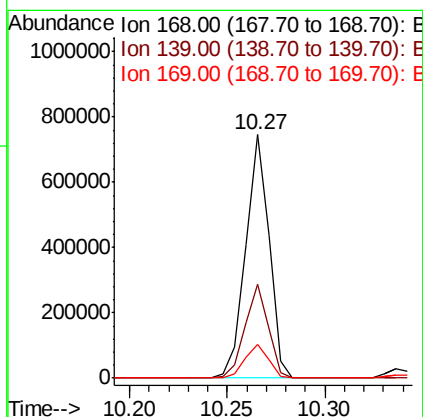
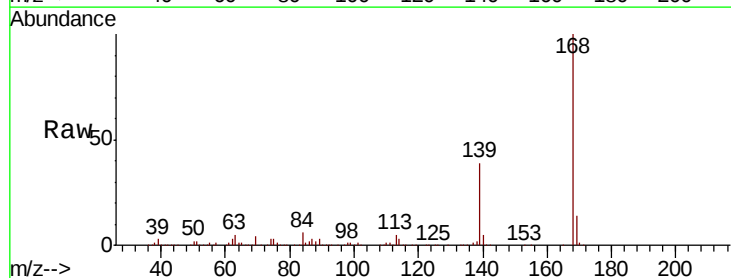
Instrument :
 BNA_F
 ClientSampleId :

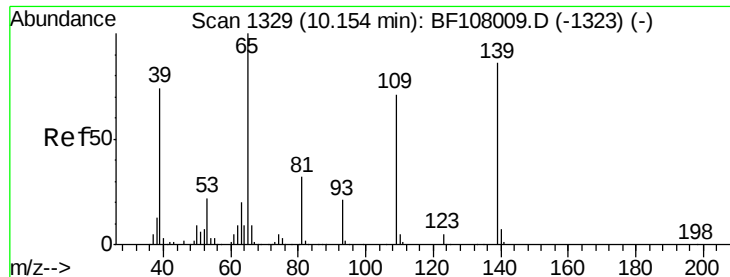
Tot Ion:184 Resp: 11336
 Ion Ratio Lower Upper
 184 100
 63 67.4 54.2 81.2
 154 72.1 184.0 276.0#



#54
 Dibenzofuran
 Concen: 23.440 ng
 RT: 10.27 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: BF108196.D
 Acq: 16 Aug 2018 15:48

Tgt Ion:168 Resp: 621161
 Ion Ratio Lower Upper
 168 100
 139 38.7 30.1 45.1
 169 14.1 10.9 16.3

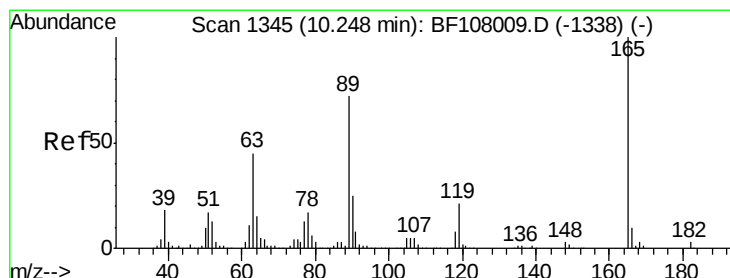
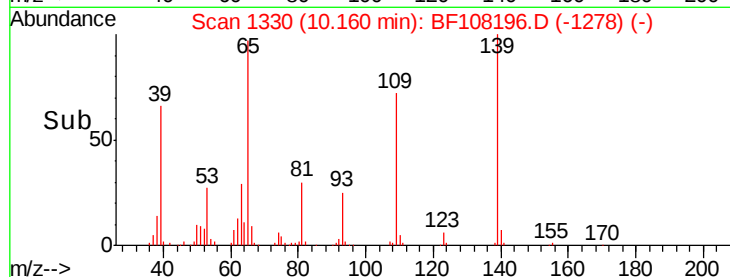
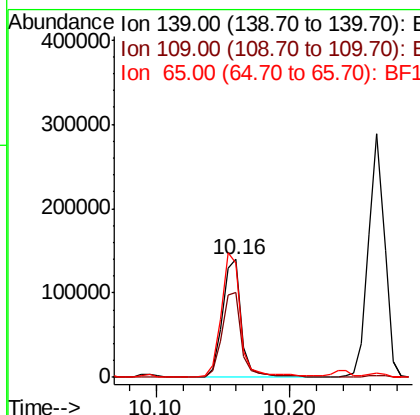
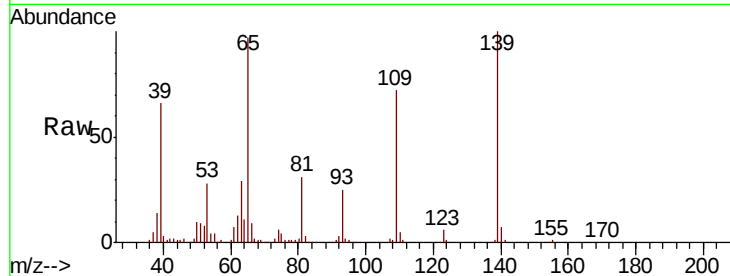




#55
4-Nitrophenol
Concen: 36.438 ng
RT: 10.16 min Scan# 1330
Delta R.T. 0.01 min
Lab File: BF108196.D
Acq: 16 Aug 2018 15:48

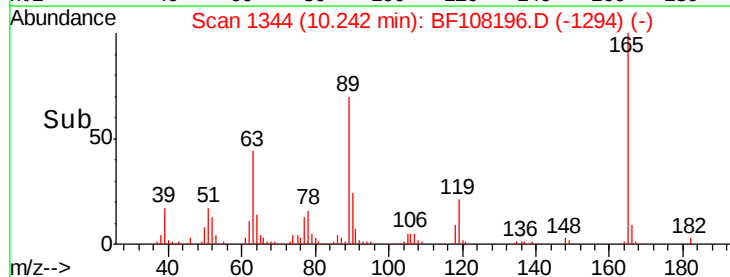
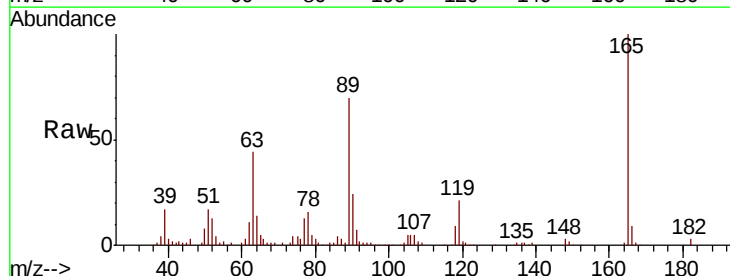
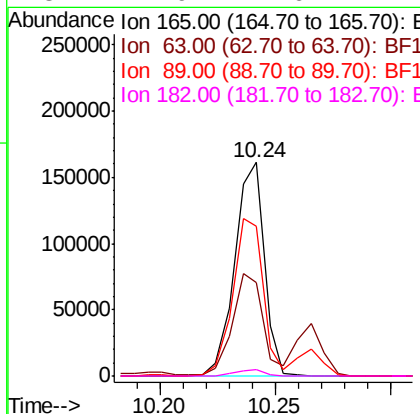
Instrument :
BNA_F
ClientSampleId :

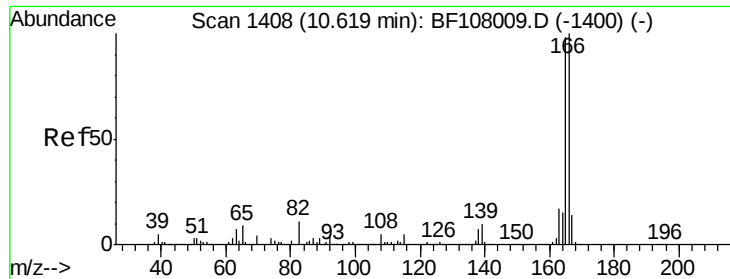
Tot Ion	Ratio	Lower	Upper
139	100		
109	72.2	48.4	88.4
65	96.8	72.6	112.6



#56
2,4-Dinitrotoluene
Concen: 23.735 ng
RT: 10.24 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF108196.D
Acq: 16 Aug 2018 15:48

Tgt Ion	Ratio	Lower	Upper
165	100		
63	43.9	36.4	54.6
89	70.1	57.8	86.6
182	2.9	1.6	2.4

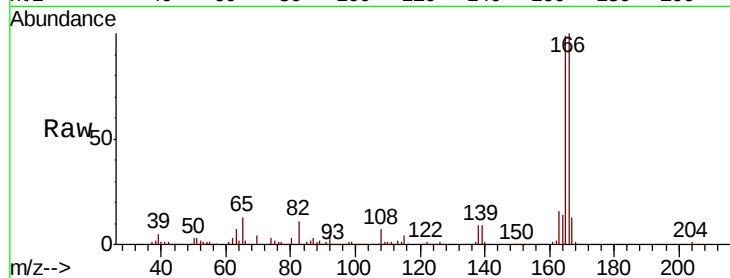




#57
 Fluorene
 Concen: 23.172 ng
 RT: 10.61 min Scan# 1407
 Delta R.T. -0.01 min
 Lab File: BF108196.D
 Acq: 16 Aug 2018 15:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.3	79.8	119.8
167	13.1	10.6	16.0

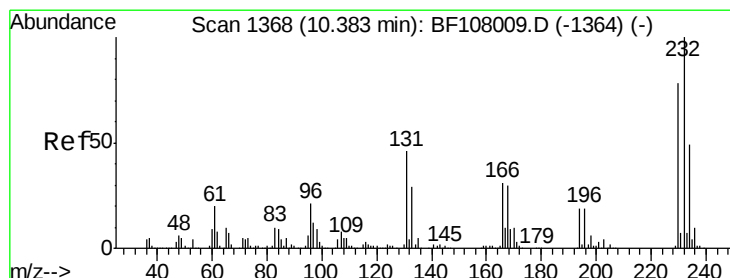
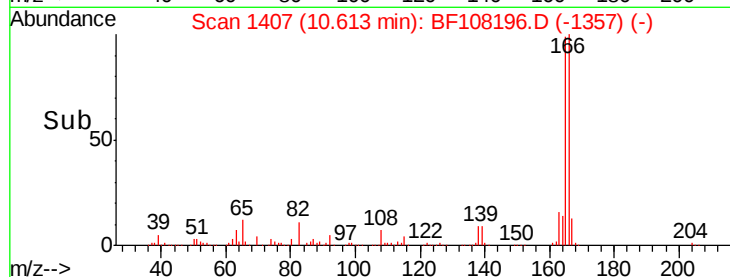
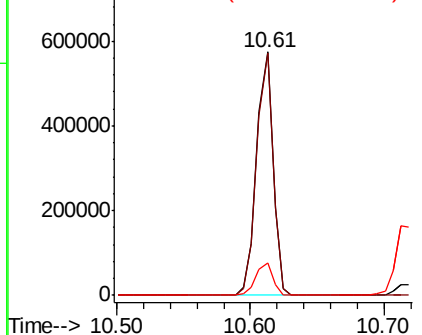


Abundance

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: 22.041 ng
 RT: 10.38 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: BF108196.D
 Acq: 16 Aug 2018 15:48

Tgt Ion	Ratio	Lower	Upper
232	100		
131	41.7	43.8	65.8#
130	2.3	2.1	3.1
166	28.5	27.8	41.6

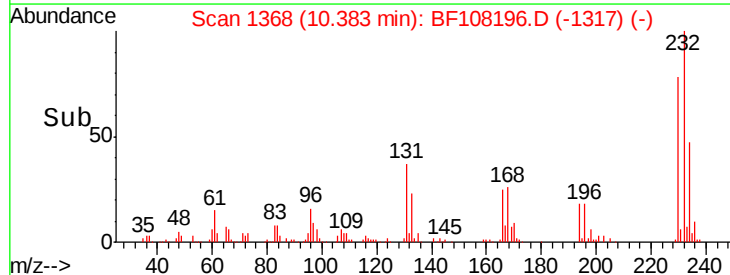
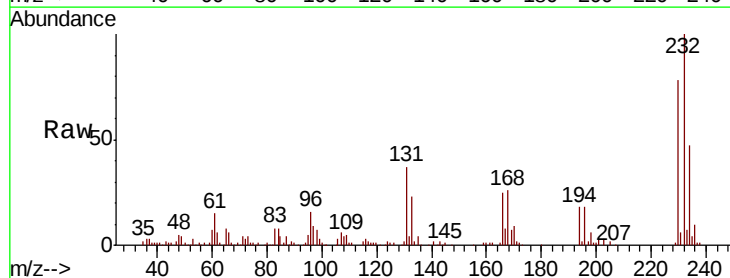
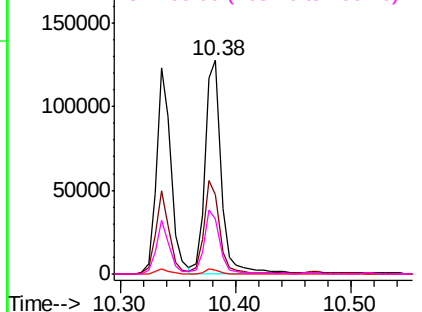
Abundance

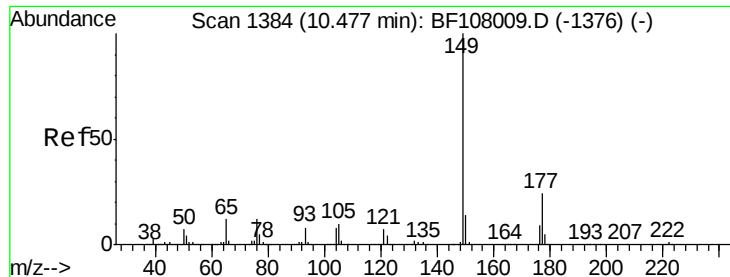
Ion 232.00 (231.70 to 232.70): E

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: 23.596 ng

RT: 10.47 min Scan# 1383

Delta R.T. -0.01 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

Instrument :

BNA_F

ClientSampleId :

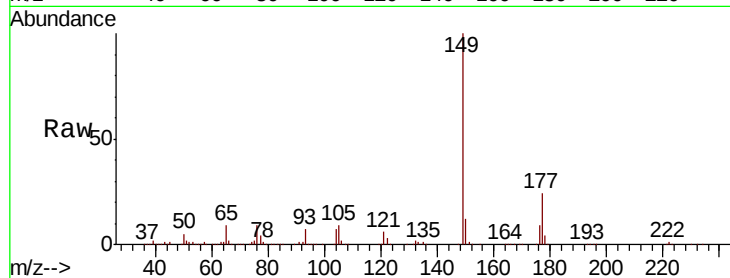
Tot Ion:149 Resp: 515928

Ion Ratio Lower Upper

149 100

177 23.6 16.1 24.1

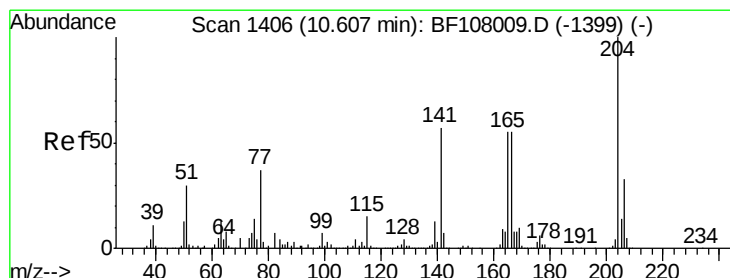
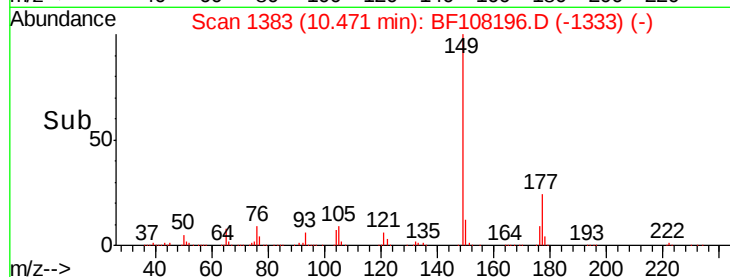
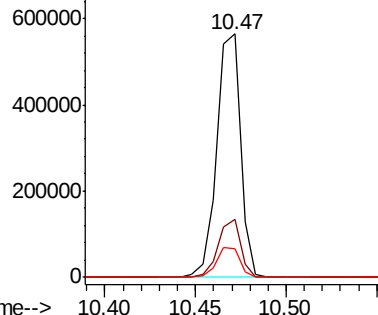
150 11.9 10.1 15.1



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: 22.552 ng

RT: 10.60 min Scan# 1405

Delta R.T. -0.01 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

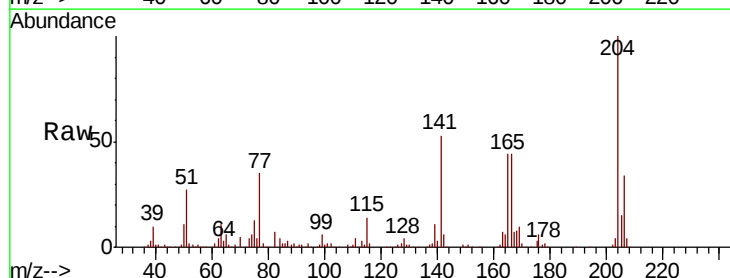
Tgt Ion:204 Resp: 246511

Ion Ratio Lower Upper

204 100

206 33.6 26.5 39.7

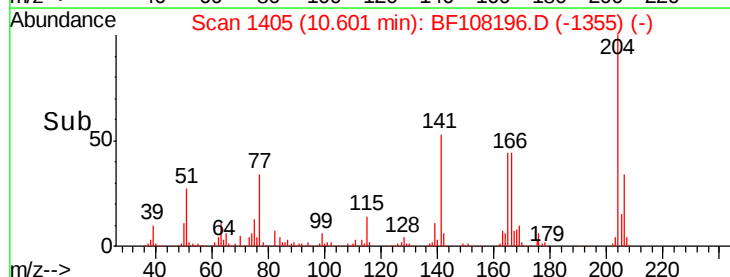
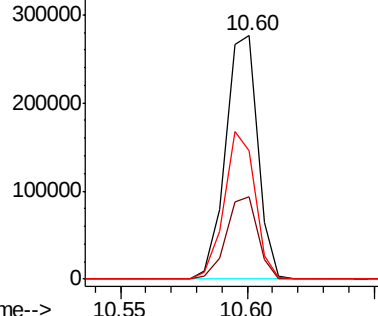
141 52.8 54.6 81.8#

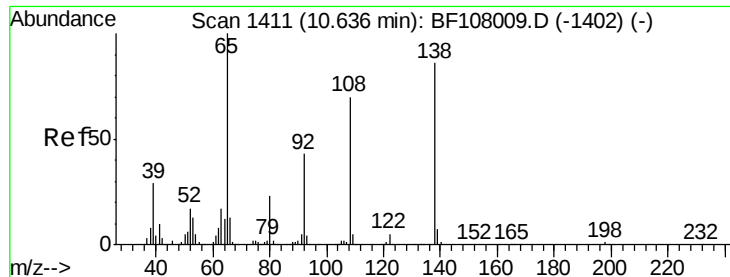


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

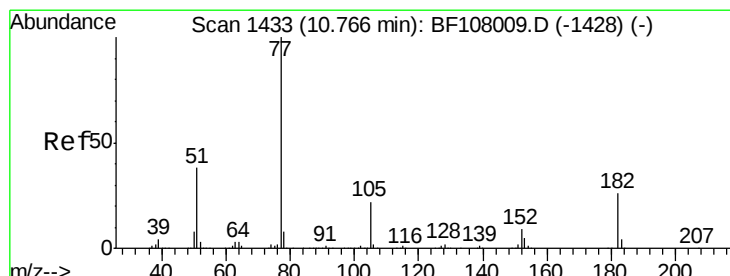
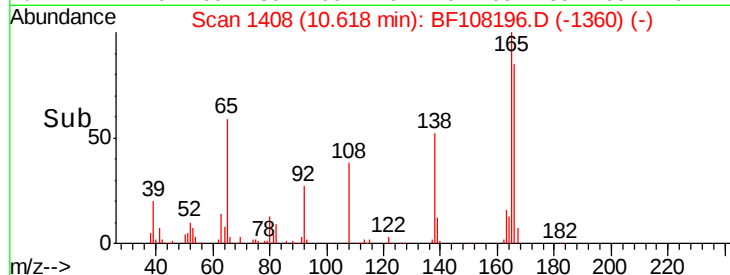
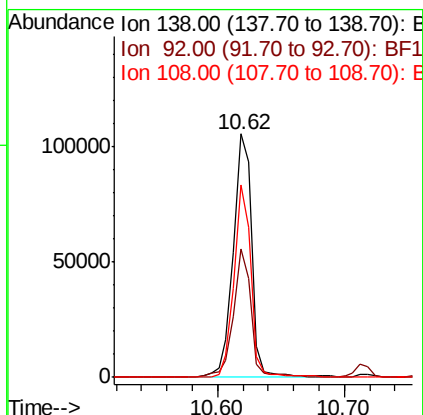
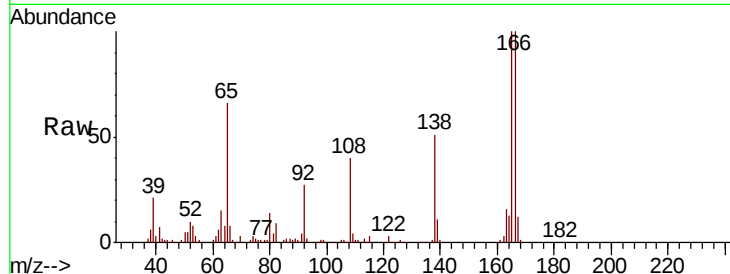




#61
4-Nitroaniline
Concen: 20.698 ng
RT: 10.62 min Scan# 1408
Delta R.T. -0.02 min
Lab File: BF108196.D
Acq: 16 Aug 2018 15:48

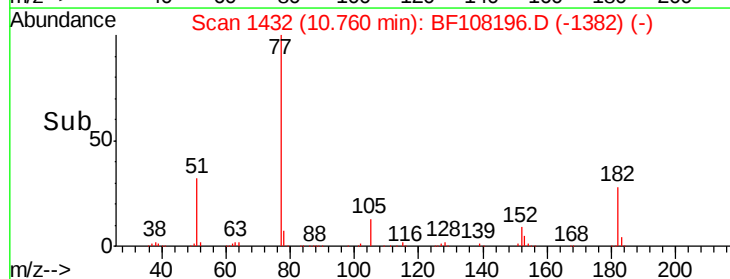
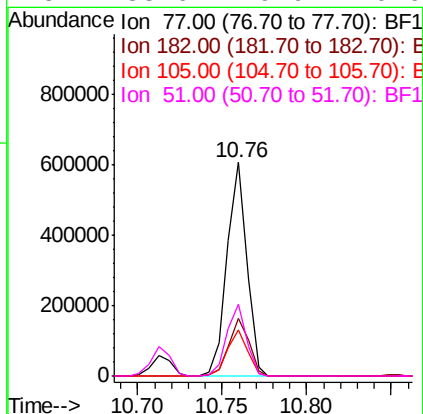
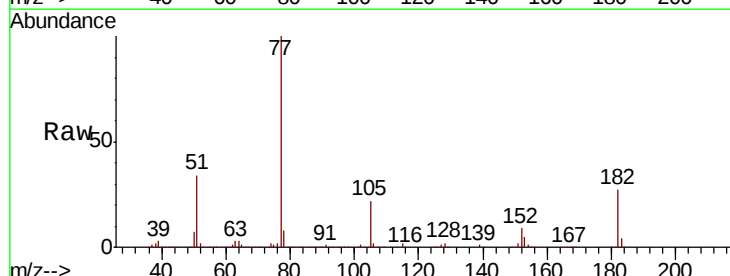
Instrument :
BNA_F
ClientSampled :

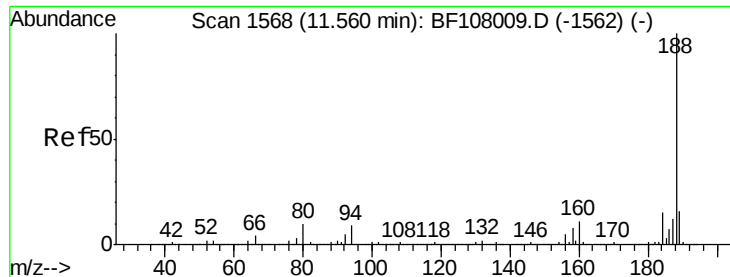
Tot Ion:138 Resp: 105772
Ion Ratio Lower Upper
138 100
92 52.6 30.2 70.2
108 79.0 52.5 92.5



#62
Azobenzene
Concen: 21.871 ng
RT: 10.76 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF108196.D
Acq: 16 Aug 2018 15:48

Tgt Ion: 77 Resp: 493873
Ion Ratio Lower Upper
77 100
182 27.0 1.7 41.7
105 21.5 3.0 43.0
51 33.6 9.9 49.9

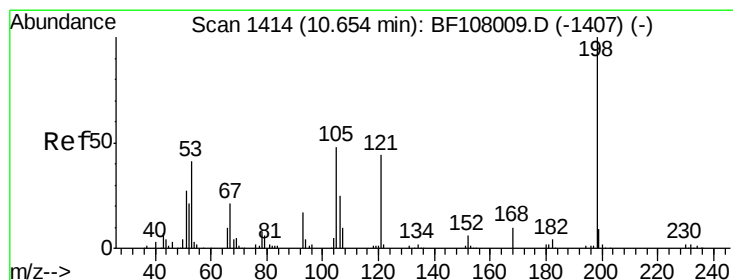
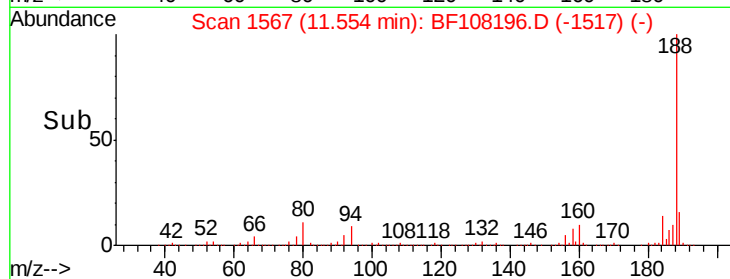
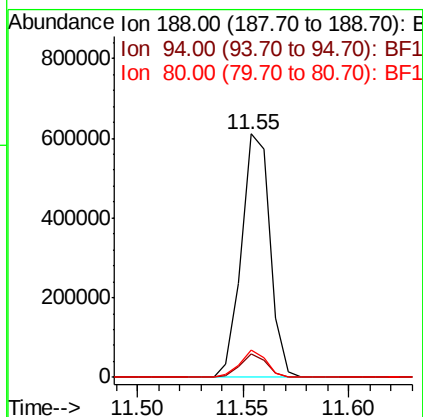
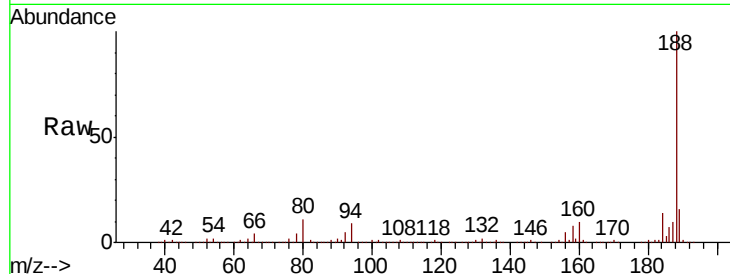




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF108196.D
 Acq: 16 Aug 2018 15:48

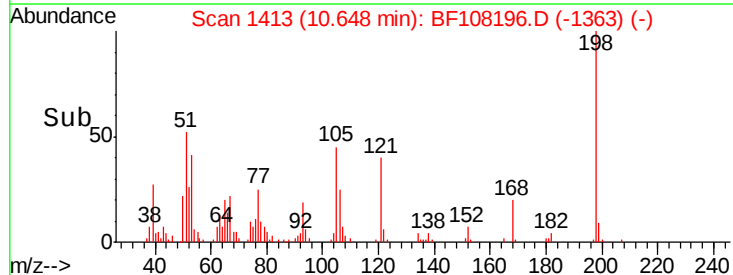
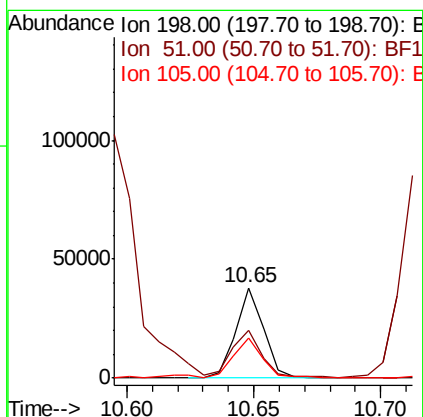
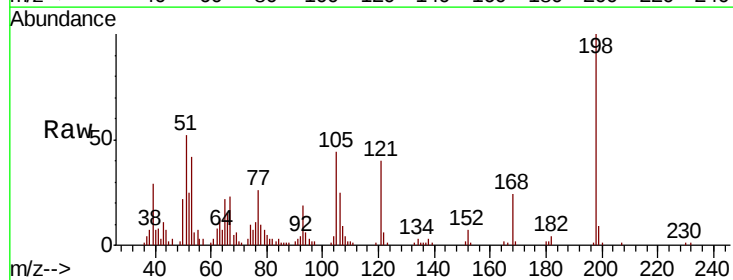
Instrument :
 BNA_F
 ClientSampleId :

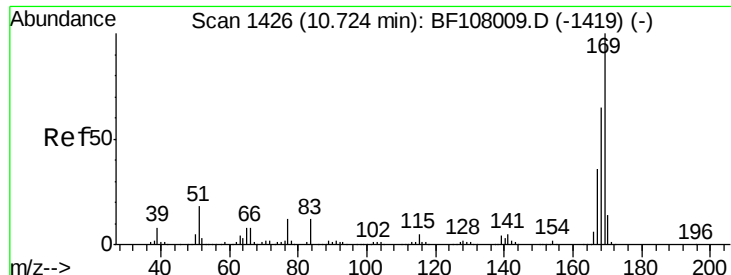
Tot Ion:188 Resp: 571402
 Ion Ratio Lower Upper
 188 100
 94 9.4 8.5 12.7
 80 11.0 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 17.436 ng
 RT: 10.65 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: BF108196.D
 Acq: 16 Aug 2018 15:48

Tgt Ion:198 Resp: 29165
 Ion Ratio Lower Upper
 198 100
 51 52.1 37.7 77.7
 105 44.2 36.3 76.3

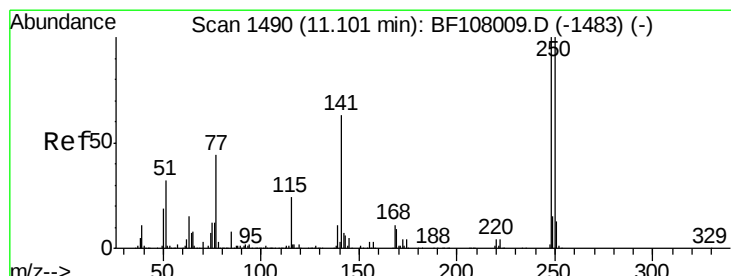
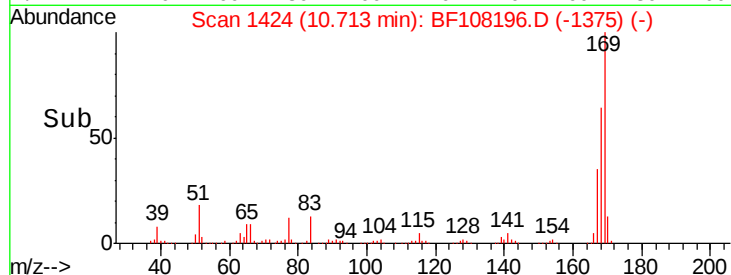
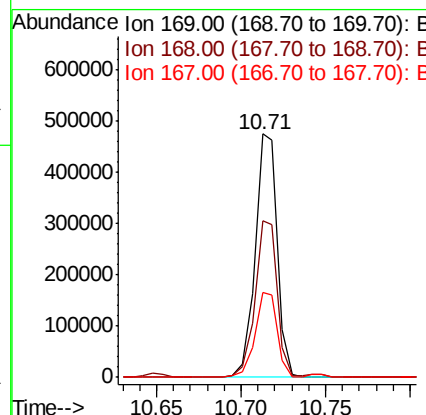
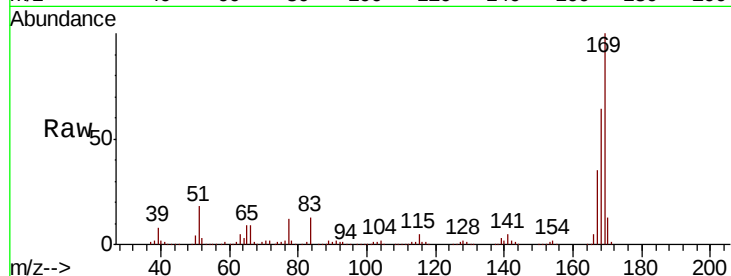




#65
 n-Nitrosodiphenylamine
 Concen: 25.833 ng
 RT: 10.71 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF108196.D
 Acq: 16 Aug 2018 15:48

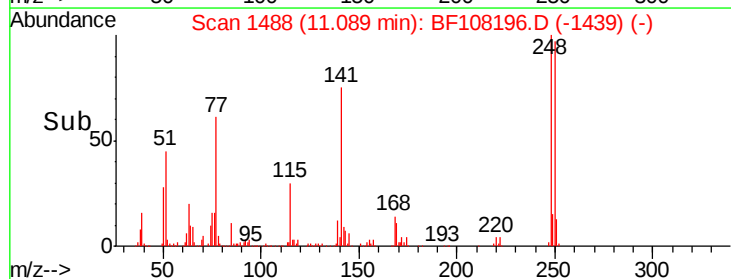
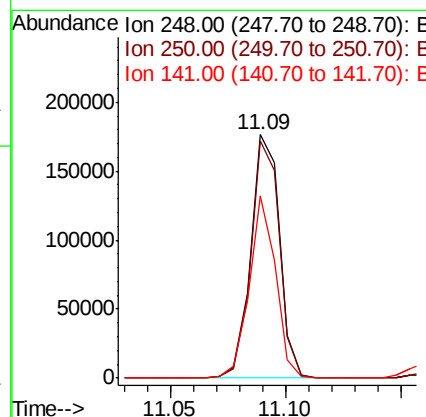
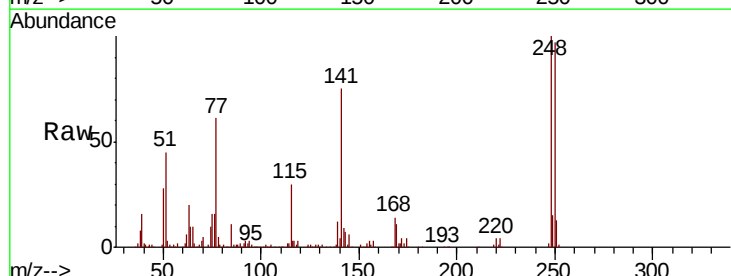
Instrument :
 BNA_F
 ClientSampleId :

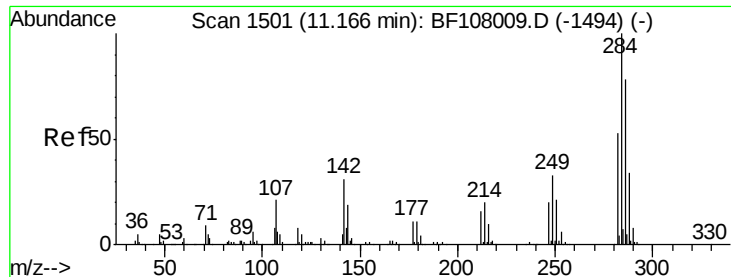
Tot Ion	Ratio	Lower	Upper
169	100		
168	64.1	54.4	81.6
167	34.7	29.8	44.6



#66
 4-Bromophenyl-phenylether
 Concen: 24.856 ng
 RT: 11.09 min Scan# 1488
 Delta R.T. -0.01 min
 Lab File: BF108196.D
 Acq: 16 Aug 2018 15:48

Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.3	76.9	115.3
141	74.9	74.4	111.6

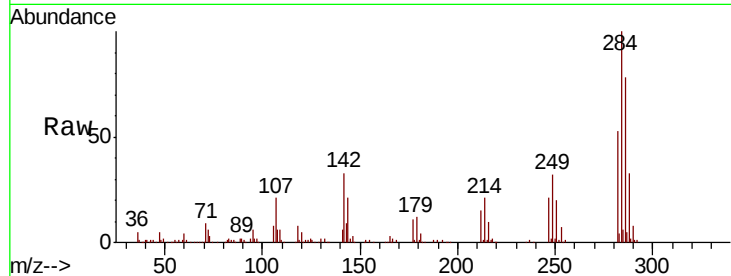




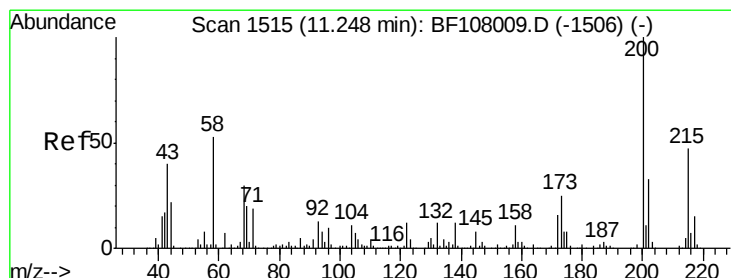
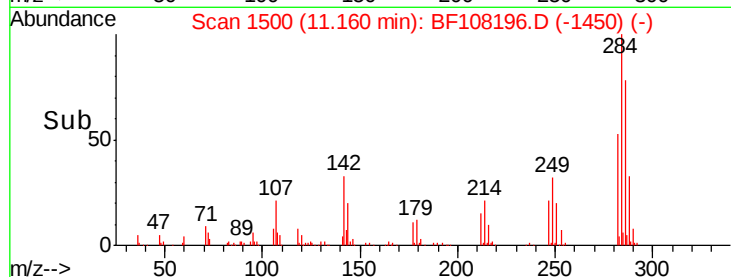
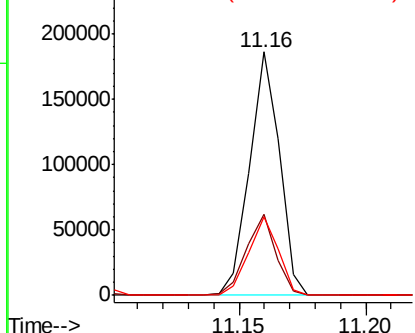
#67
Hexachlorobenzene
Concen: 23.421 ng
RT: 11.16 min Scan# 1500
Delta R.T. -0.01 min
Lab File: BF108196.D
Acq: 16 Aug 2018 15:48

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
284	100		
142	33.2	34.6	52.0#
249	32.4	24.8	37.2

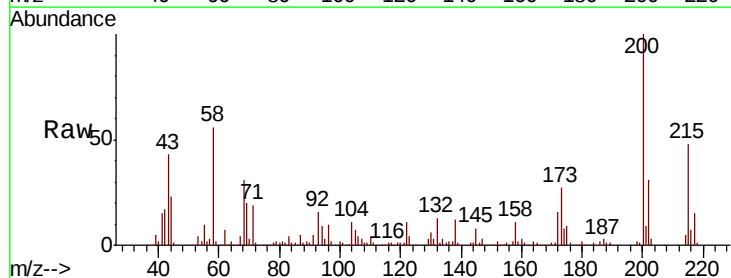


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

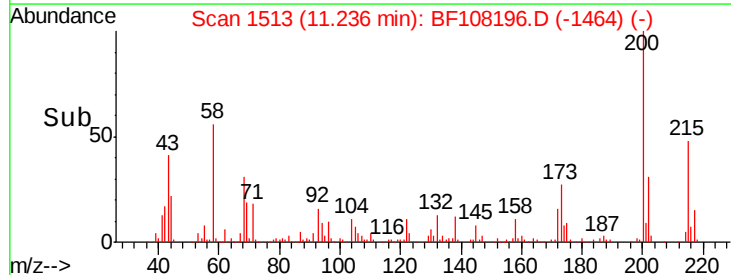
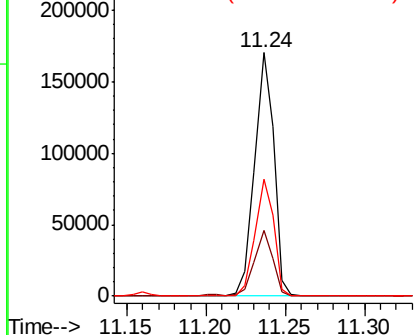


#68
Atrazine
Concen: 25.387 ng
RT: 11.24 min Scan# 1513
Delta R.T. -0.01 min
Lab File: BF108196.D
Acq: 16 Aug 2018 15:48

Tgt Ion	Ratio	Lower	Upper
200	100		
173	27.0	8.6	48.6
215	48.2	25.1	65.1



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

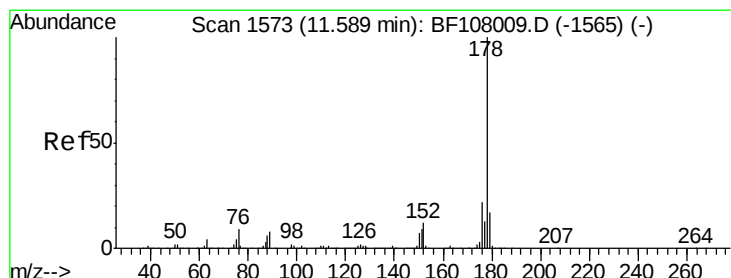
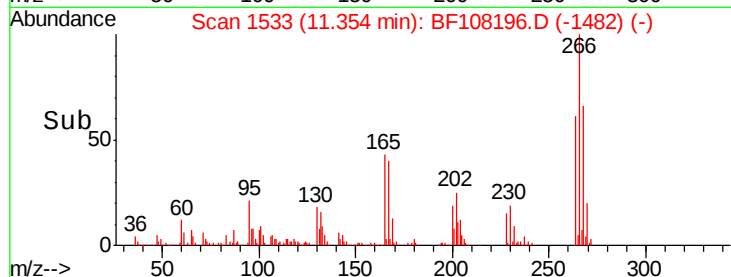
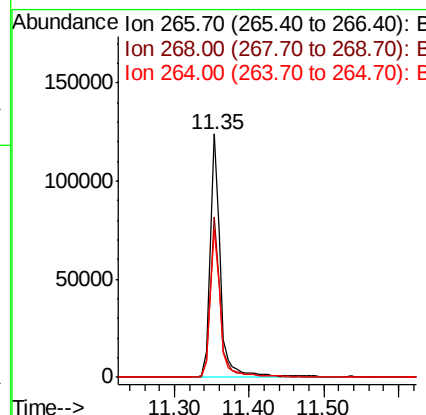
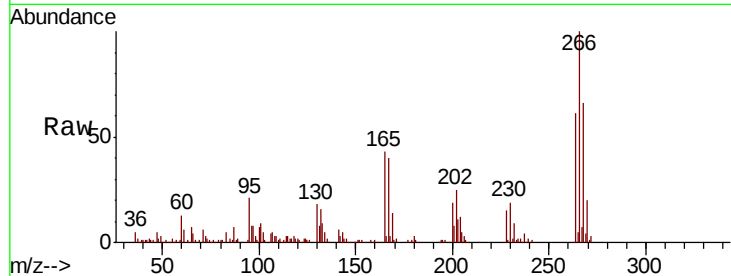




#69
 Pentachlorophenol
 Concen: 38.629 ng
 RT: 11.35 min Scan# 1533
 Delta R.T. -0.00 min
 Lab File: BF108196.D
 Acq: 16 Aug 2018 15:48

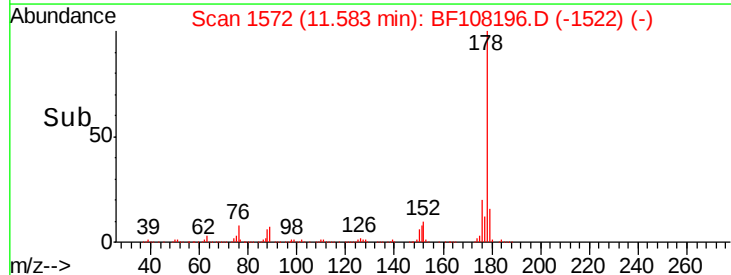
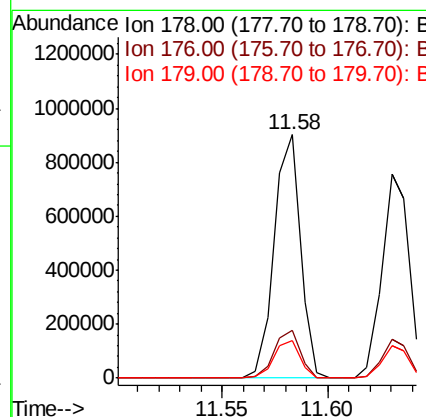
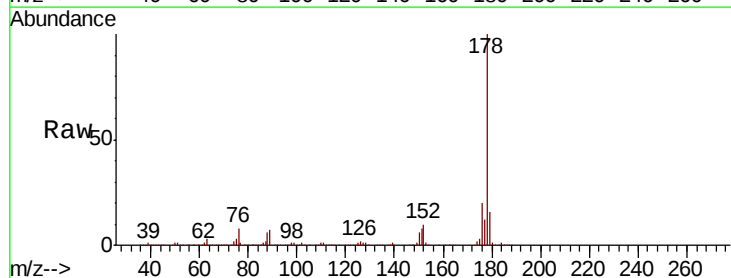
Instrument :
 BNA_F
 ClientSampleId :

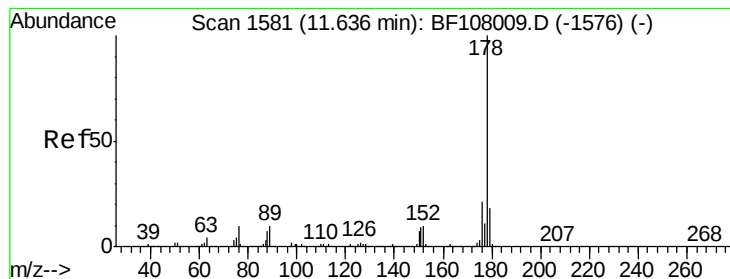
Tot Ion	Ratio	Lower	Upper
266	100		
268	65.8	51.1	76.7
264	60.9	49.5	74.3



#70
 Phenanthrene
 Concen: 29.007 ng
 RT: 11.58 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF108196.D
 Acq: 16 Aug 2018 15:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.6	13.0	19.6





#71

Anthracene

Concen: 24.747 ng

RT: 11.63 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

Instrument :

BNA_F

ClientSampled :

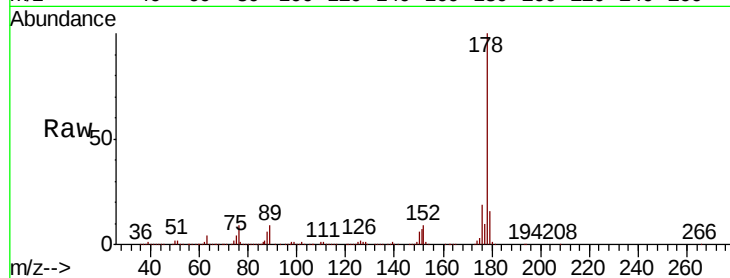
Tot Ion:178 Resp: 683582

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

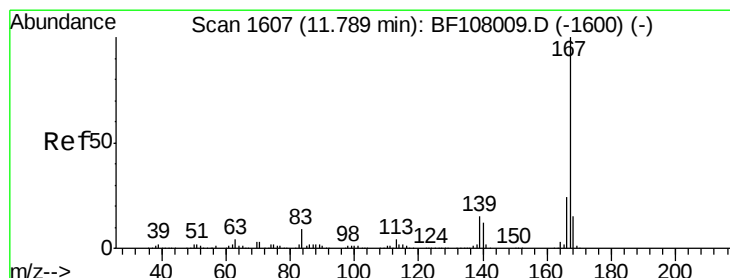
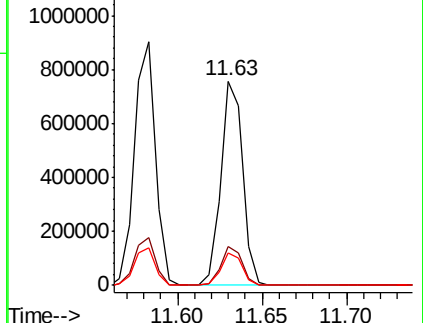
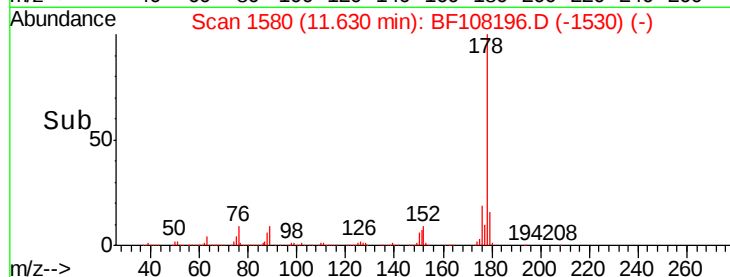
179 15.6 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 21.738 ng

RT: 11.78 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

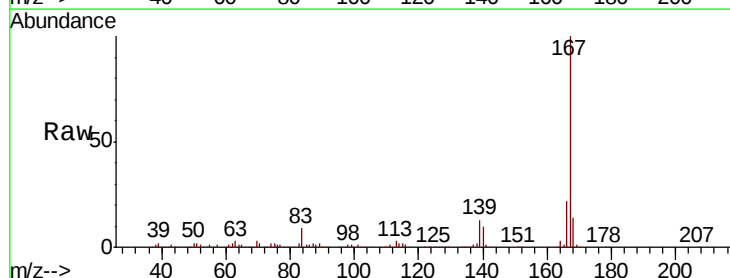
Tgt Ion:167 Resp: 533490

Ion Ratio Lower Upper

167 100

166 22.0 17.6 26.4

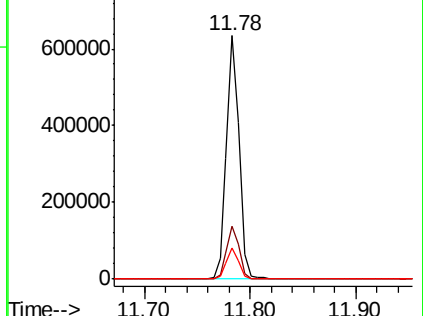
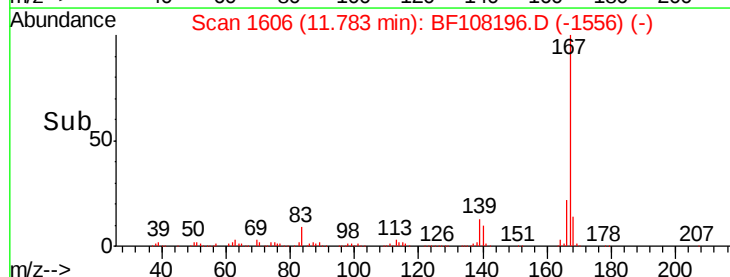
139 13.0 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

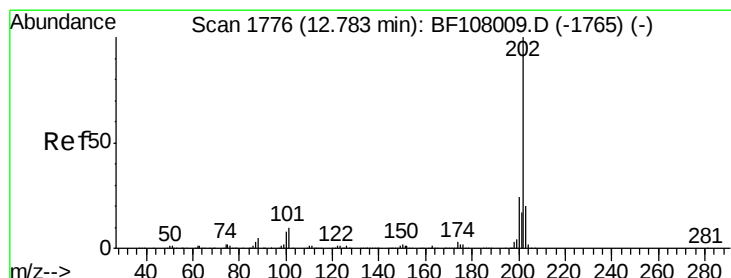
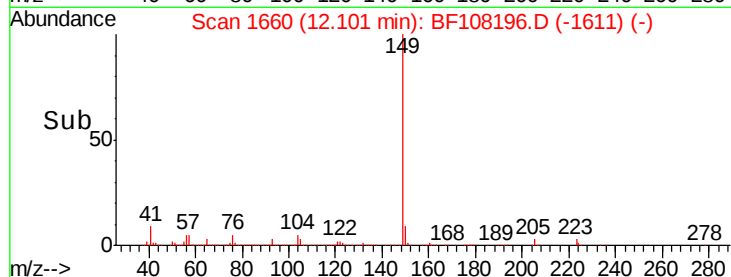
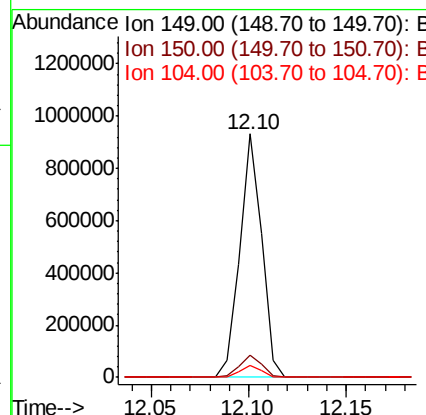
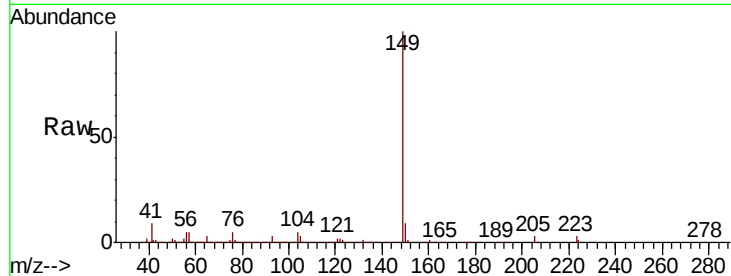




#73
Di-n-butylphthalate
Concen: 26.096 ng
RT: 12.10 min Scan# 1660
Delta R.T. -0.01 min
Lab File: BF108196.D
Acq: 16 Aug 2018 15:48

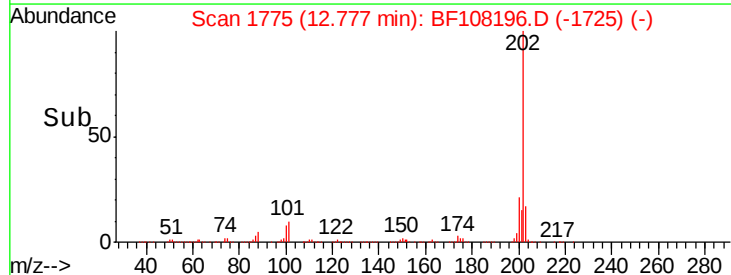
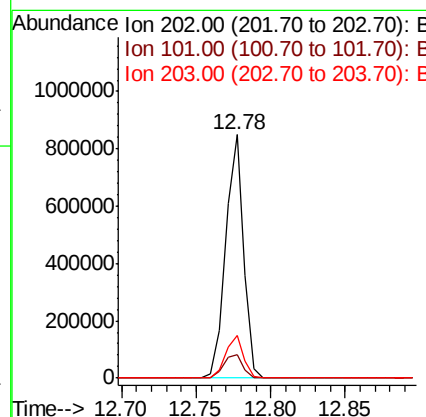
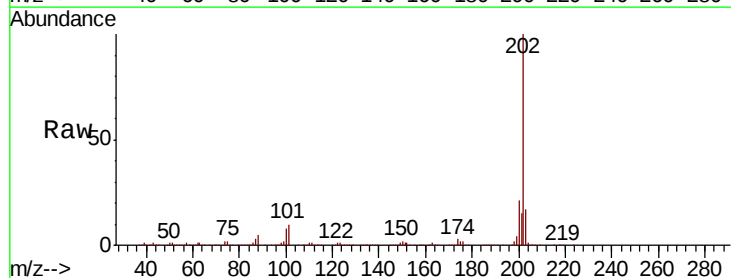
Instrument :
BNA_F
ClientSampleId :

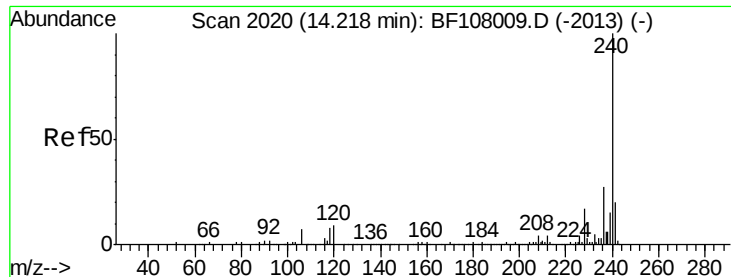
Tot Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.8	11.6
104	5.0	3.8	5.8



#74
Fluoranthene
Concen: 24.423 ng
RT: 12.78 min Scan# 1775
Delta R.T. -0.01 min
Lab File: BF108196.D
Acq: 16 Aug 2018 15:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

Instrument :

BNA_F

ClientSampleId :

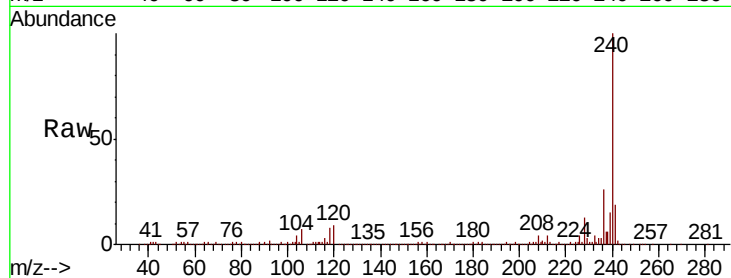
Tot Ion:240 Resp: 402743

Ion Ratio Lower Upper

240 100

120 8.9 9.5 14.3#

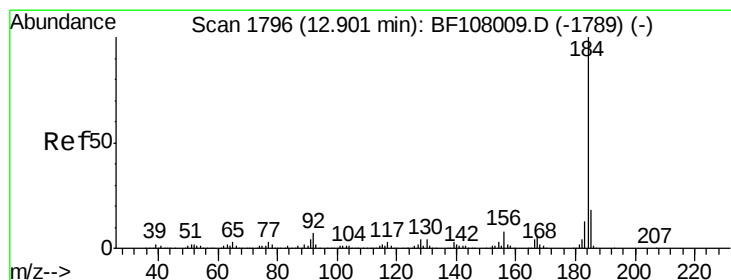
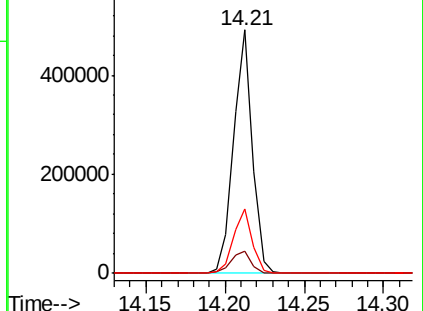
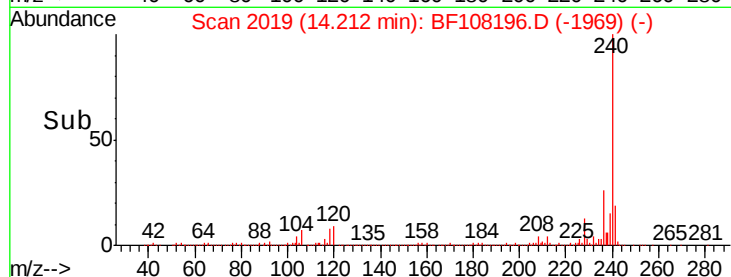
236 26.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 19.892 ng

RT: 12.89 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

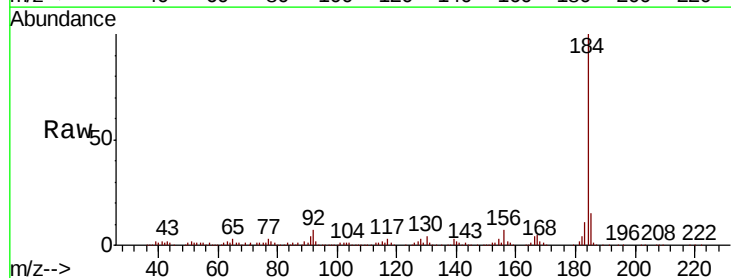
Tgt Ion:184 Resp: 299317

Ion Ratio Lower Upper

184 100

185 14.8 12.6 18.8

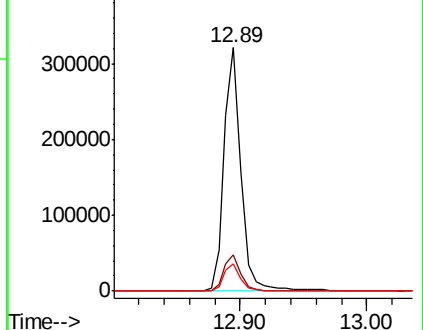
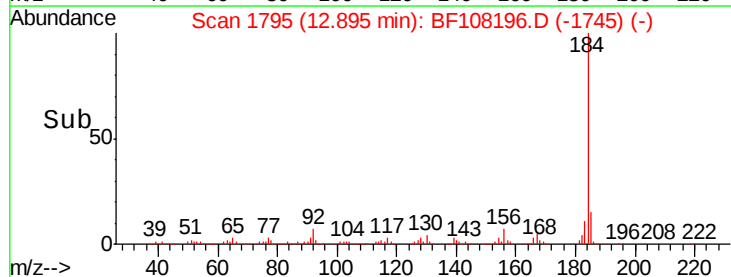
183 11.3 9.3 13.9

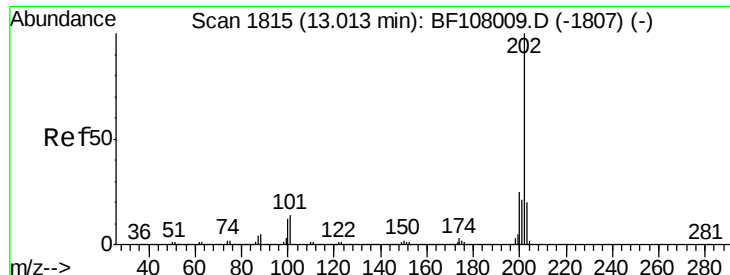


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

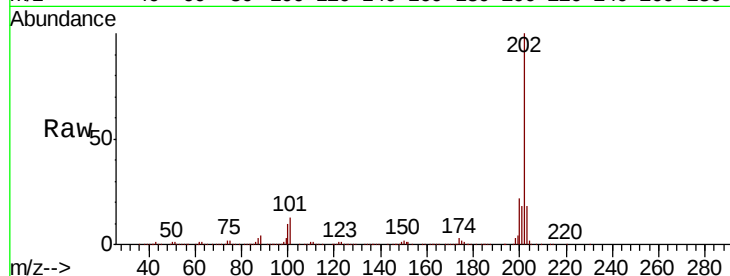




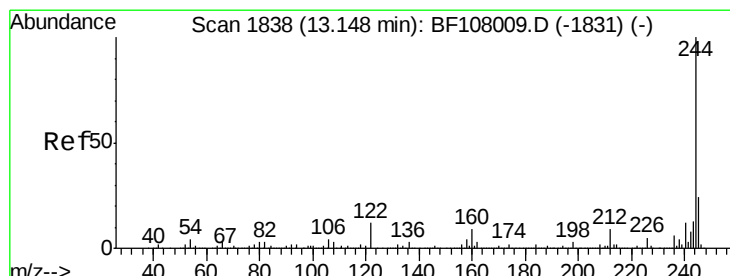
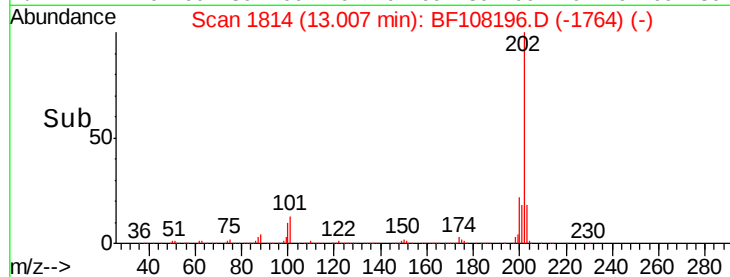
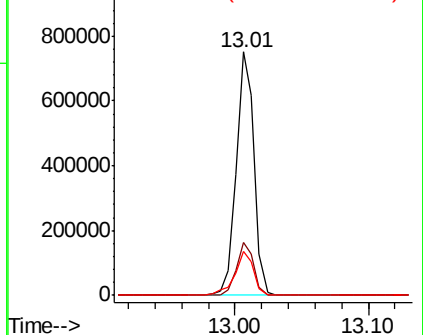
#77
Pvrene
Concen: 27.444 ng
RT: 13.01 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF108196.D
Acq: 16 Aug 2018 15:48

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.9	14.3	21.5

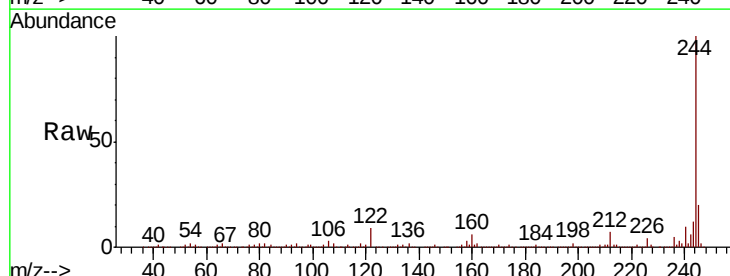


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

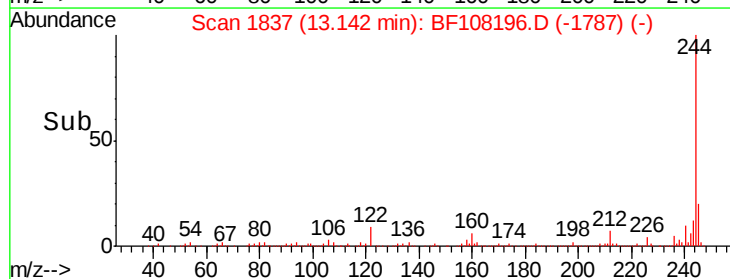
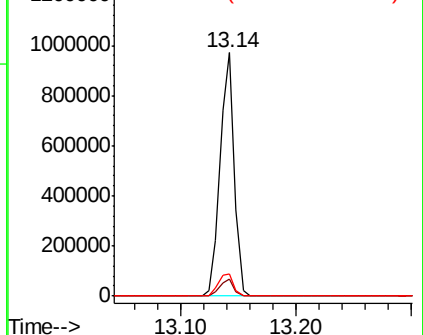


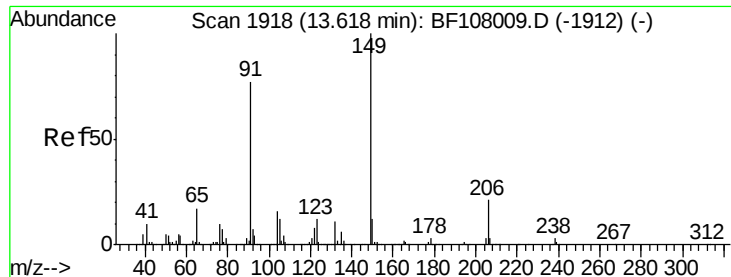
#78
Terphenyl-d14
Concen: 52.092 ng
RT: 13.14 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BF108196.D
Acq: 16 Aug 2018 15:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	8.9	11.0	16.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 23.626 ng

RT: 13.61 min Scan# 1917

Delta R.T. -0.01 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

Instrument :

BNA_F

ClientSampleId :

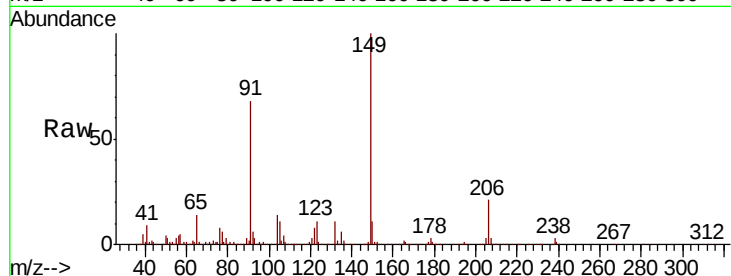
Tot Ion:149 Resp: 239207

Ion Ratio Lower Upper

149 100

91 68.1 56.8 85.2

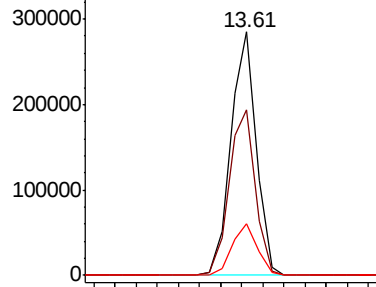
206 21.3 14.1 21.1#



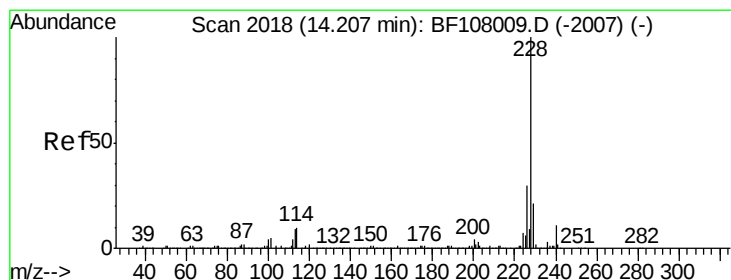
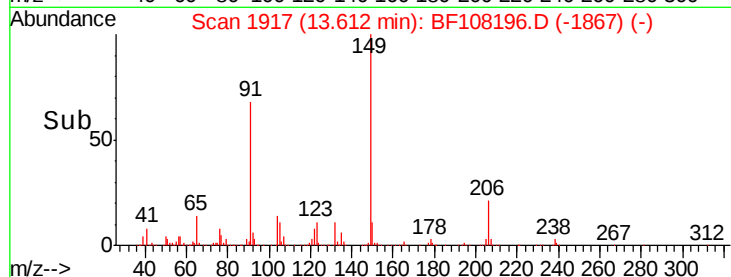
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E



Time-->



#80

Benzo(a)anthracene

Concen: 25.489 ng

RT: 14.20 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

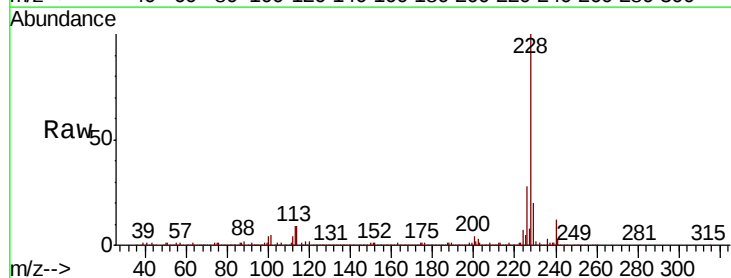
Tgt Ion:228 Resp: 589131

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

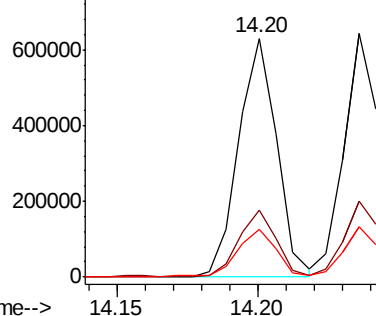
229 20.2 15.8 23.6



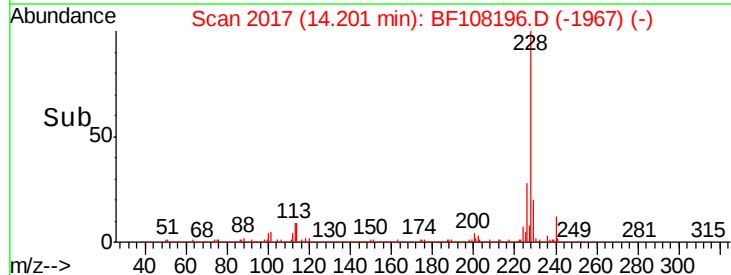
Abundance Ion 228.00 (227.70 to 228.70): E

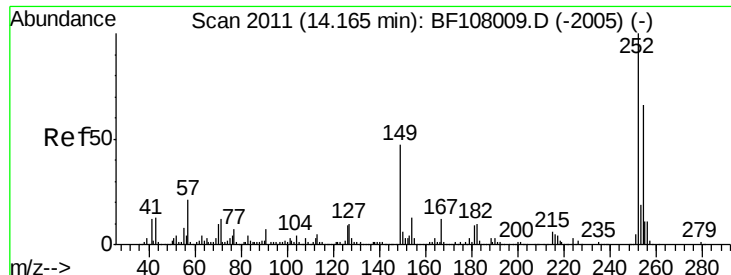
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->

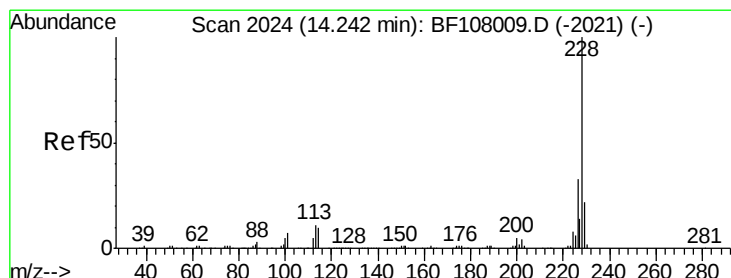
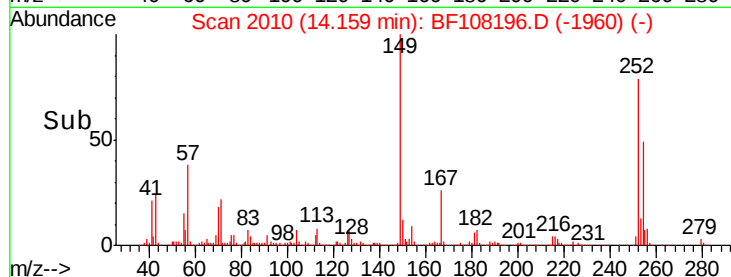
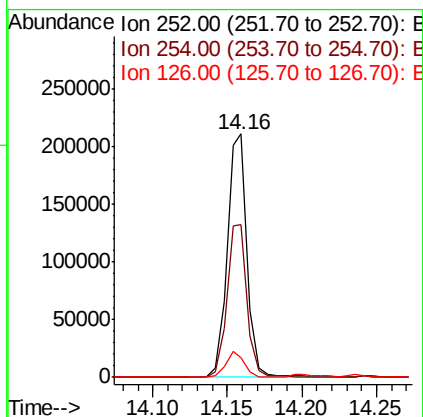
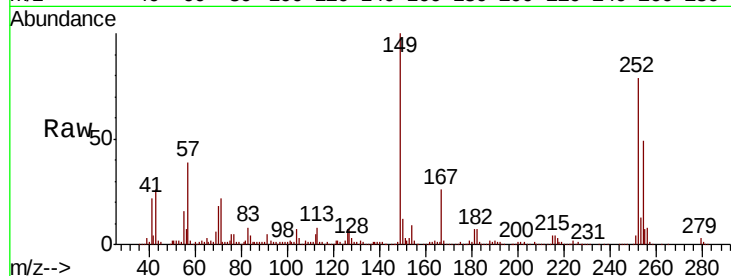




#81
 3,3'-Dichlorobenzidine
 Concen: 24.036 ng
 RT: 14.16 min Scan# 2010
 Delta R.T. -0.01 min
 Lab File: BF108196.D
 Acq: 16 Aug 2018 15:48

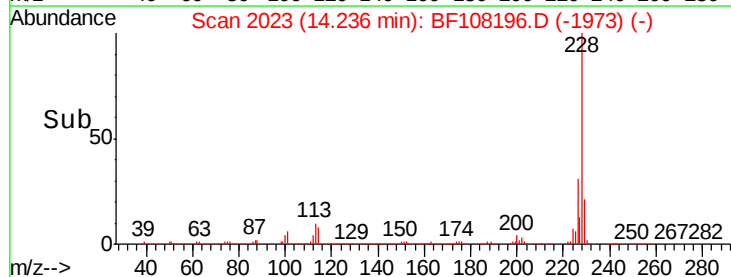
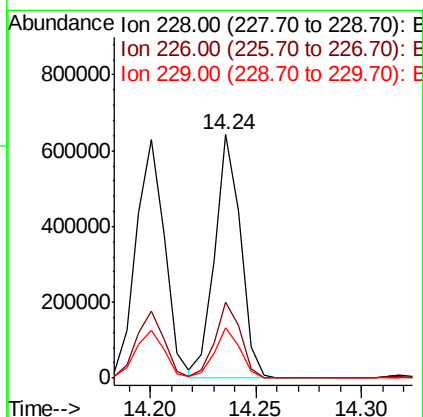
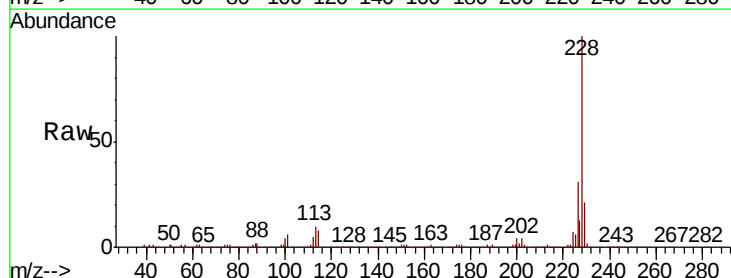
Instrument :
 BNA_F
 ClientSampled :

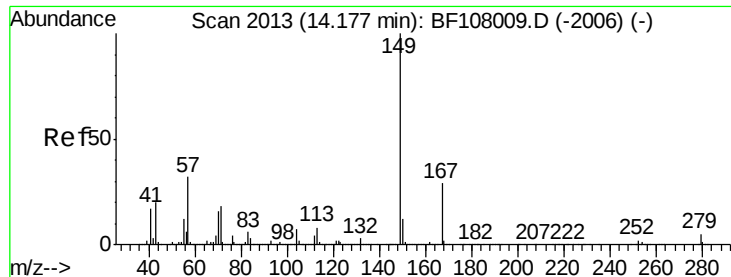
Tot Ion	Ratio	Lower	Upper
252	100		
254	62.5	50.4	75.6
126	8.2	11.3	16.9#



#82
 Chrysene
 Concen: 25.705 ng
 RT: 14.24 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF108196.D
 Acq: 16 Aug 2018 15:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	20.6	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 24.217 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

Instrument :

BNA_F

ClientSampleId :

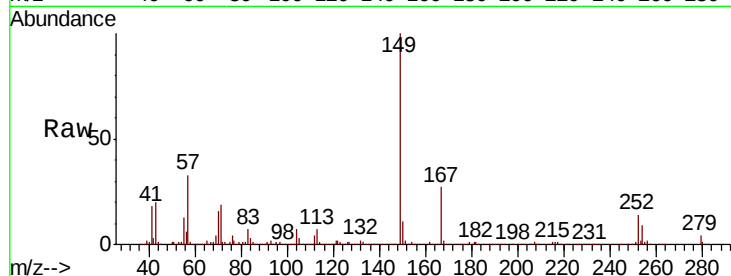
Tot Ion:149 Resp: 332037

Ion Ratio Lower Upper

149 100

167 26.9 21.3 31.9

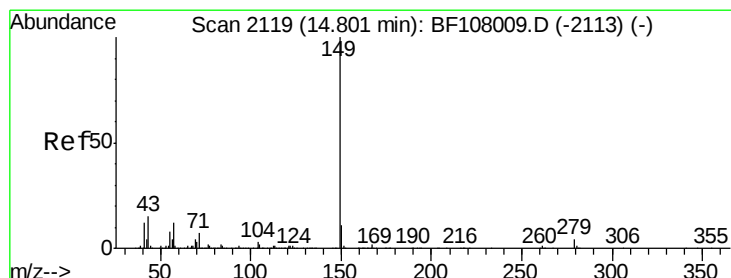
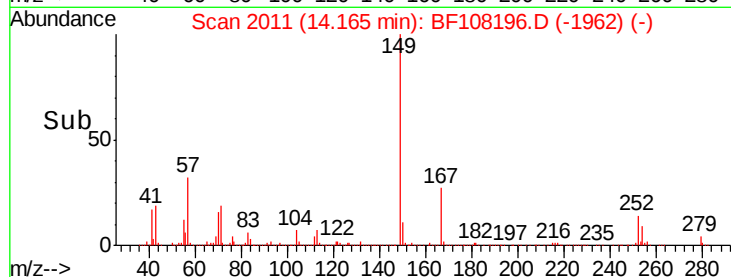
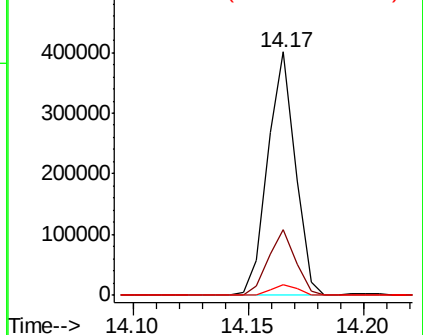
279 4.2 3.0 4.4



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: 27.711 ng

RT: 14.79 min Scan# 2117

Delta R.T. -0.01 min

Lab File: BF108196.D

Acq: 16 Aug 2018 15:48

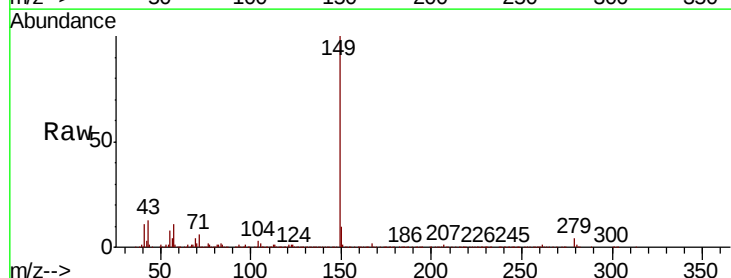
Tgt Ion:149 Resp: 579452

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

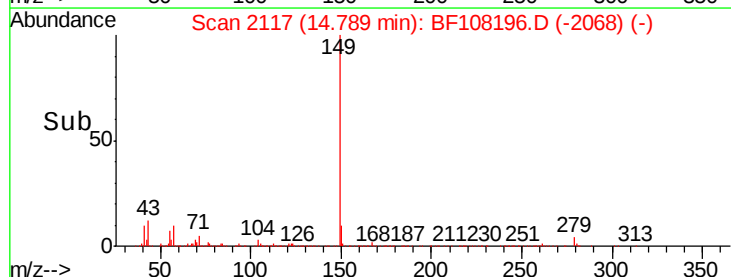
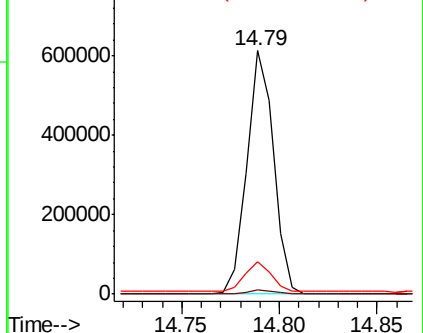
43 12.2 8.4 12.6

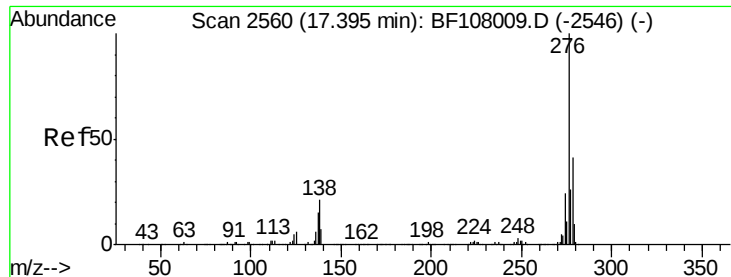


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

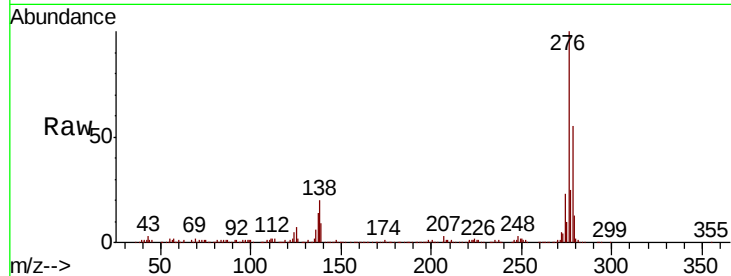




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 32.007 ng
 RT: 17.39 min Scan# 2560
 Delta R.T. -0.00 min
 Lab File: BF108196.D
 Acq: 16 Aug 2018 15:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.4	25.0	37.6#
277	25.5	20.1	30.1

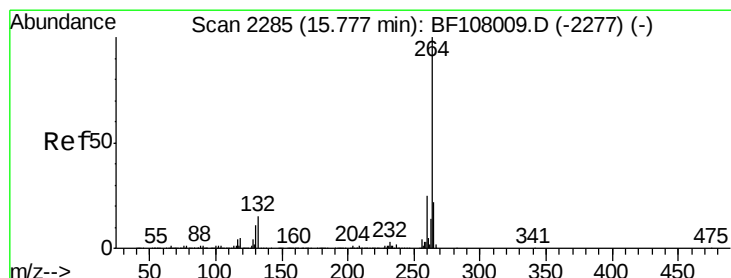
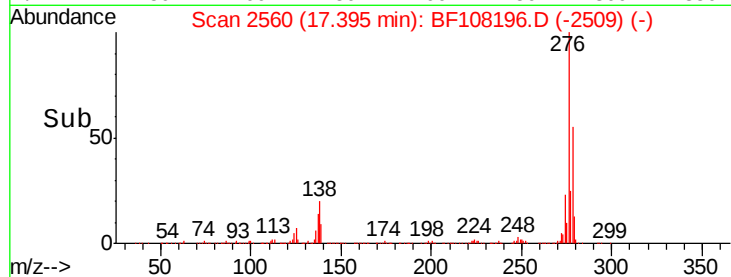
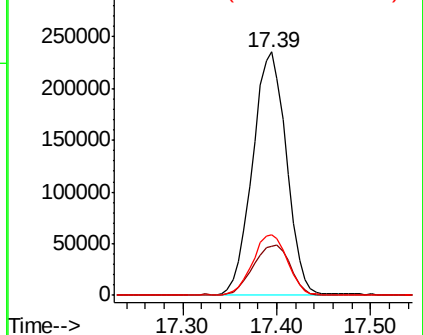


Abundance

Ion 276.00 (275.70 to 276.70): E

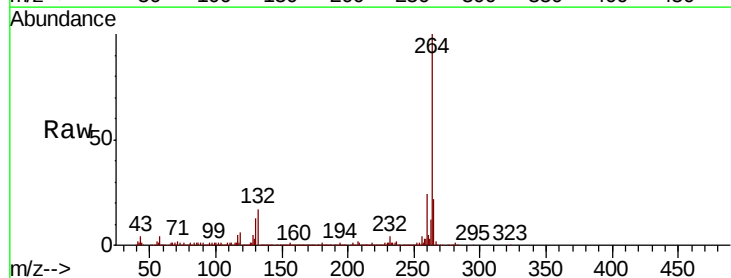
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.77 min Scan# 2284
 Delta R.T. -0.01 min
 Lab File: BF108196.D
 Acq: 16 Aug 2018 15:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.3	17.5	26.3

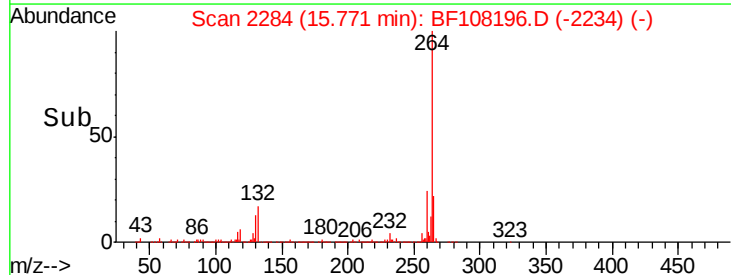
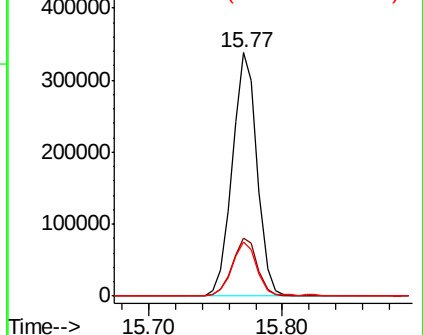


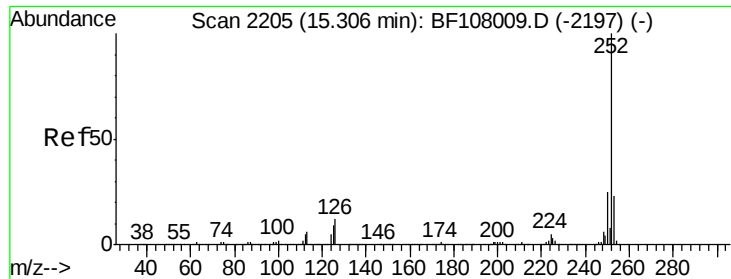
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

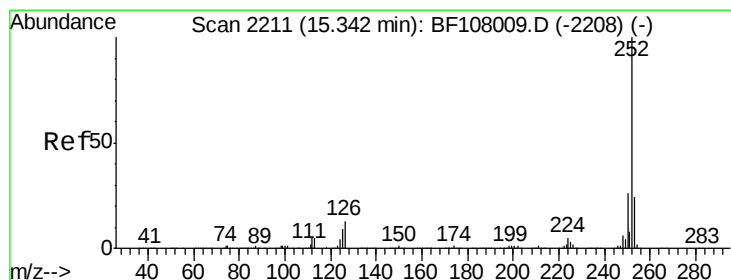
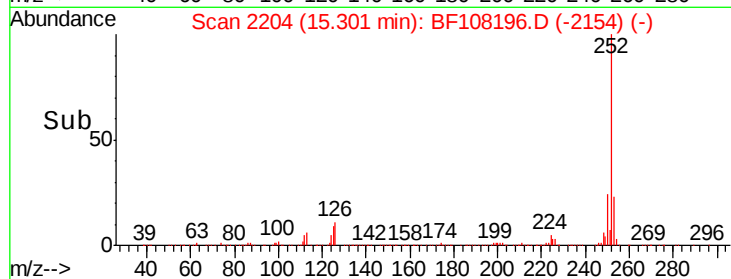
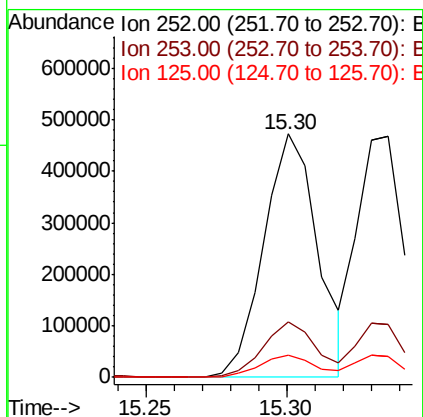
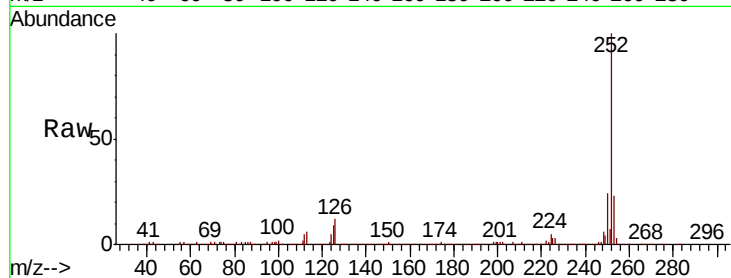




#87
Benzo(b)fluoranthene
Concen: 24.002 ng
RT: 15.30 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF108196.D
Acq: 16 Aug 2018 15:48

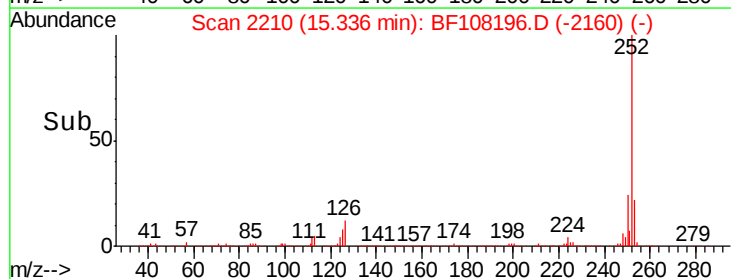
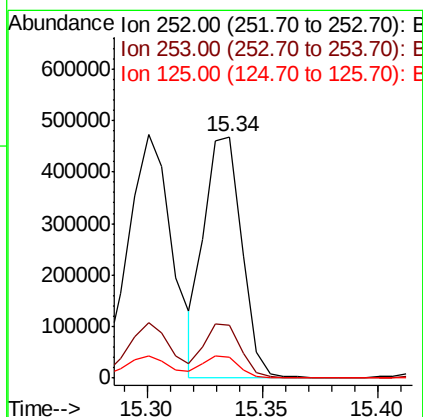
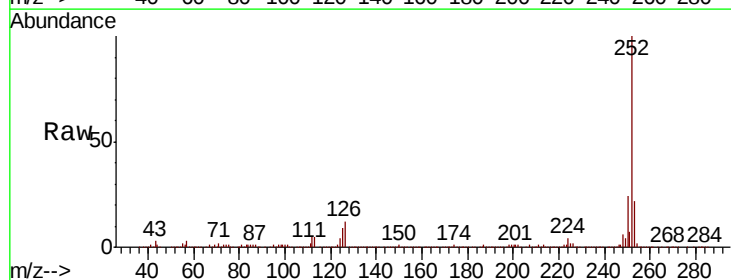
Instrument :
BNA_F
ClientSampleId :

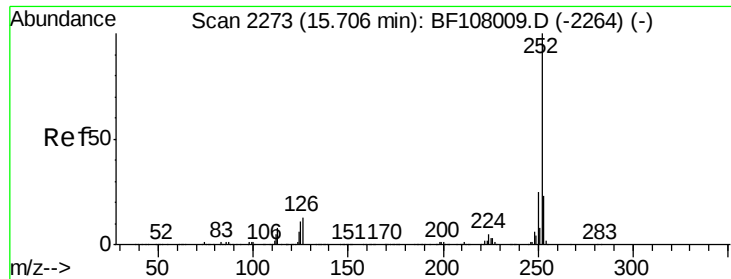
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	9.0	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 22.019 ng
RT: 15.34 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF108196.D
Acq: 16 Aug 2018 15:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	8.6	10.2	15.2#

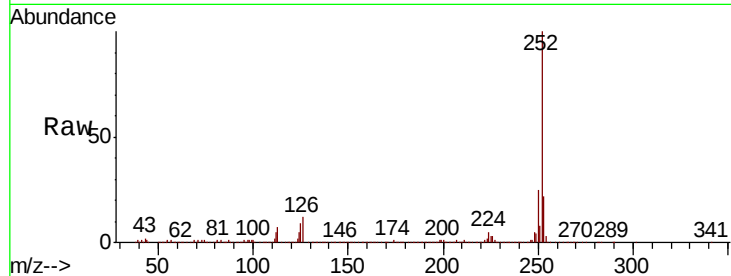




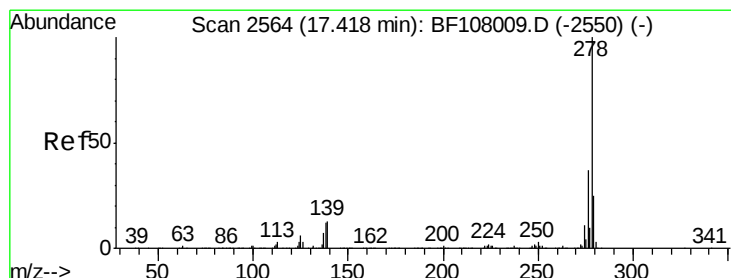
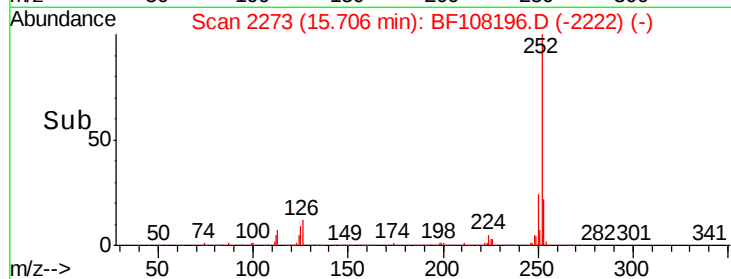
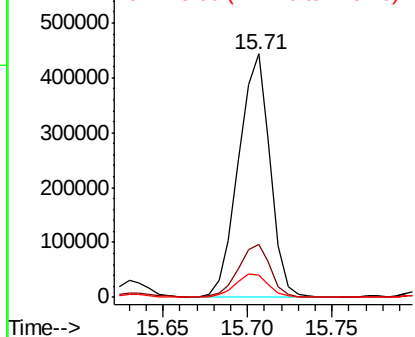
#89
Benzo(a)pyrene
Concen: 24.687 ng
RT: 15.71 min Scan# 2273
Delta R.T. -0.00 min
Lab File: BF108196.D
Acq: 16 Aug 2018 15:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 577867
Ion Ratio Lower Upper
252 100
253 21.7 17.1 25.7
125 9.3 9.8 14.6#

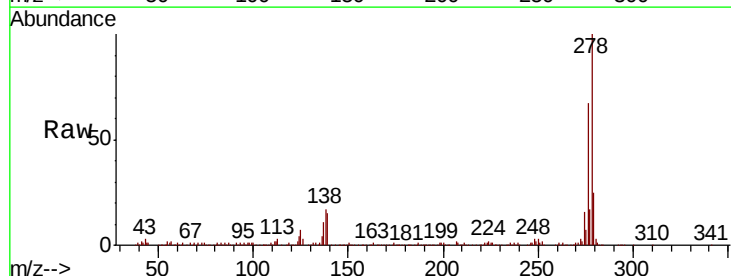


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

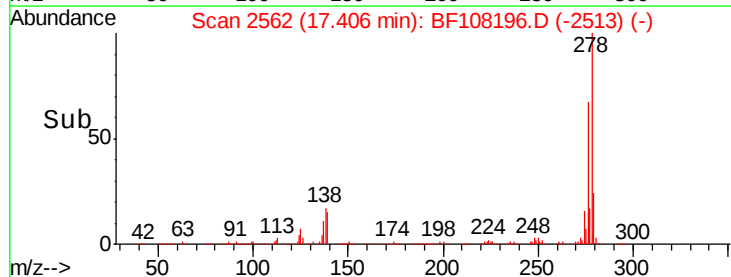
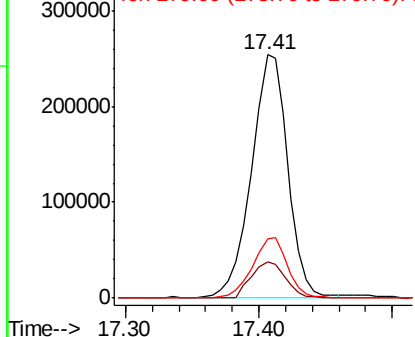


#90
Dibenzo(a,h)anthracene
Concen: 24.491 ng
RT: 17.41 min Scan# 2562
Delta R.T. -0.01 min
Lab File: BF108196.D
Acq: 16 Aug 2018 15:48

Tgt Ion:278 Resp: 474334
Ion Ratio Lower Upper
278 100
139 14.8 15.9 23.9#
279 24.5 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(a,h,i)perylene
 Concen: 23.967 ng
 RT: 17.89 min Scan# 2644
 Delta R.T. -0.01 min
 Lab File: BF108196.D
 Acq: 16 Aug 2018 15:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	18.5	21.8	32.8

