

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
 Data File : BF110119.D
 Acq On : 24 Oct 2018 17:09
 Operator : JU/SJ
 Sample : J5603-20MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT104MSD

Quant Time: Oct 25 02:12:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	131060	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	465221	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	183656	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	312502	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	273630	20.00	ng	-0.01
87) Perylene-d12	15.68	264	210050	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	407091	50.58	ng	-0.01
7) Phenol-d6	6.59	99	307425	29.86	ng	-0.02
23) Nitrobenzene-d5	7.53	82	642888	81.96	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	186776	102.67	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	1045921	89.43	ng	-0.01
79) Terphenyl-d14	13.09	244	945697	71.88	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.84	88	60736	14.404	ng	93
3) Pyridine	3.62	79	143203	15.248	ng	# 83
4) n-Nitrosodimethylamine	3.56	42	74690	18.982	ng	# 93
6) Aniline	6.63	93	342906	25.571	ng	# 53
8) 2-Chlorophenol	6.75	128	321568	34.656	ng	99
9) Benzaldehyde	6.52	77	228753	37.616	ng	96
10) Phenol	6.60	94	146126	13.280	ng	# 61
11) bis(2-Chloroethyl)ether	6.70	93	366194	40.450	ng	93
12) 1,3-Dichlorobenzene	6.91	146	367763	36.016	ng	96
13) 1,4-Dichlorobenzene	6.99	146	376317	36.439	ng	99
14) 1,2-Dichlorobenzene	7.14	146	348693	36.371	ng	99
15) Benzyl Alcohol	7.10	79	202822	25.617	ng	90
16) 2,2'-oxybis(1-Chloropropan	7.24	45	596596	41.217	ng	68
17) 2-Methylphenol	7.21	107	201699	27.276	ng	# 81
18) Hexachloroethane	7.48	117	110714	29.282	ng	96
19) n-Nitroso-di-n-propylamine	7.37	70	258122	39.085	ng	97
20) 3+4-Methylphenols	7.36	107	231079	24.175	ng	95
22) Acetophenone	7.37	105	516861	48.216	ng	98
24) Nitrobenzene	7.55	77	376517	46.496	ng	93
25) Isophorone	7.79	82	680656	50.909	ng	96
26) 2-Nitrophenol	7.86	139	157799	40.950	ng	96
27) 2,4-Dimethylphenol	7.89	122	288551	45.165	ng	98
28) bis(2-Chloroethoxy)methane	7.99	93	441356	48.593	ng	100
29) 2,4-Dichlorophenol	8.10	162	264594	40.993	ng	100
30) 1,2,4-Trichlorobenzene	8.19	180	292105	40.402	ng	97
31) Naphthalene	8.27	128	966707	45.086	ng	100
32) Benzoic acid	7.96	122	35766	7.243	ng	91
33) 4-Chloroaniline	8.32	127	348463	36.111	ng	97
34) Hexachlorobutadiene	8.39	225	154041	38.373	ng	98
35) Caprolactam	8.67	113	11849	5.267	ng	# 87
36) 4-Chloro-3-methylphenol	8.79	107	243200	34.844	ng	97
37) 2-Methylnaphthalene	8.96	142	633425	44.650	ng	98
38) 1-Methylnaphthalene	9.07	142	599310	43.716	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.13	216	269156	47.036	ng	99

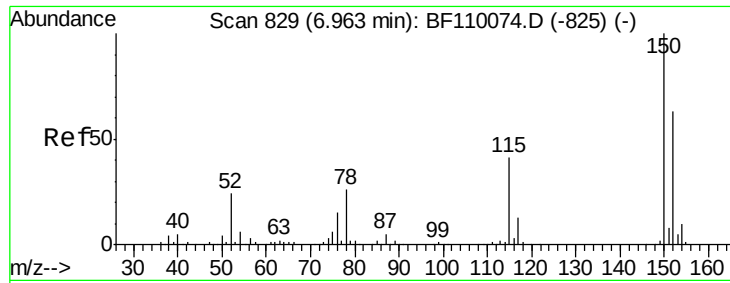
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.11	237	62425	21.334	ng	96
43) 2,4,6-Trichlorophenol	9.24	196	168063	45.535	ng	95
44) 2,4,5-Trichlorophenol	9.27	196	175164	44.898	ng	93
46) 1,1'-Biphenyl	9.43	154	750777	45.206	ng	100
47) 2-Chloronaphthalene	9.46	162	561925	46.126	ng	99
48) 2-Nitroaniline	9.55	65	181024	49.036	ng	96
49) Acenaphthylene	9.87	152	842394	47.875	ng	99
50) Dimethylphthalate	9.72	163	680452	50.192	ng	99
51) 2,6-Dinitrotoluene	9.79	165	126567	43.341	ng	88
52) Acenaphthene	10.05	154	517168	44.429	ng	98
53) 3-Nitroaniline	9.96	138	146461	42.175	ng	91
54) 2,4-Dinitrophenol	10.07	184	15034	17.308	ng	# 83
55) Dibenzofuran	10.22	168	726523	44.579	ng	98
56) 4-Nitrophenol	10.11	139	99800	38.829	ng	96
57) 2,4-Dinitrotoluene	10.20	165	149274	40.244	ng	# 78
58) Fluorene	10.56	166	556849	45.909	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.33	232	139324	43.813	ng	96
60) Diethylphthalate	10.42	149	617915	46.692	ng	100
61) 4-Chlorophenyl-phenylether	10.55	204	269462	42.112	ng	97
62) 4-Nitroaniline	10.57	138	151477	43.856	ng	96
63) Azobenzene	10.71	77	574188	43.711	ng	98
65) 4,6-Dinitro-2-methylphenol	10.60	198	13002	9.107	ng	95
66) n-Nitrosodiphenylamine	10.67	169	492418	48.040	ng	97
67) 4-Bromophenyl-phenylether	11.05	248	158921	46.883	ng	97
68) Hexachlorobenzene	11.11	284	164482	45.733	ng	# 93
69) Atrazine	11.19	200	139698	43.127	ng	100
70) Pentachlorophenol	11.30	266	157401	75.052	ng	96
71) Phenanthrene	11.53	178	793479	48.526	ng	100
72) Anthracene	11.58	178	825352	50.358	ng	99
73) Carbazole	11.73	167	738810	46.167	ng	100
74) Di-n-butylphthalate	12.05	149	899483	49.768	ng	99
75) Fluoranthene	12.72	202	865362	52.146	ng	100
77) Benzdine	12.84	184	430015	Below	Cal	97
78) Pyrene	12.96	202	882987	45.012	ng	99
80) Butylbenzylphthalate	13.56	149	401039	47.100	ng	98
81) Benzo(a)anthracene	14.15	228	798074	49.182	ng	99
82) 3,3'-Dichlorobenzidine	14.10	252	278309	49.254	ng	99
83) Chrysene	14.18	228	728711	47.281	ng	99
84) Bis(2-ethylhexyl)phthalate	14.11	149	565579	49.138	ng	97
85) Di-n-octyl phthalate	14.73	149	989306	55.277	ng	99
86) Indeno(1,2,3-cd)pyrene	17.24	276	552664	43.224	ng	96
88) Benzo(b)fluoranthene	15.23	252	637317	52.542	ng	99
89) Benzo(k)fluoranthene	15.26	252	596669	50.037	ng	98
90) Benzo(a)pyrene	15.62	252	564974	50.619	ng	99
91) Dibenzo(a,h)anthracene	17.26	278	467276	48.520	ng	98
92) Benzo(g,h,i)perylene	17.72	276	446259	47.024	ng	97

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

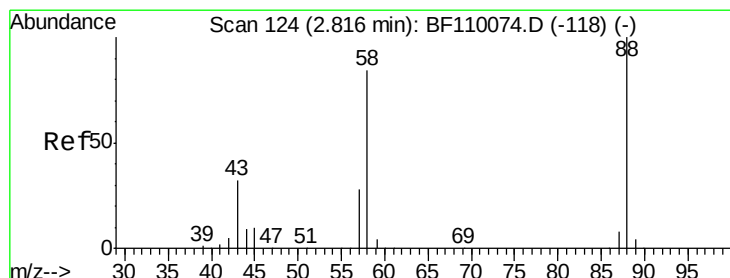
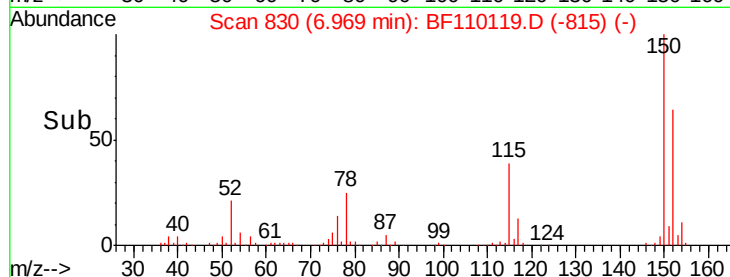
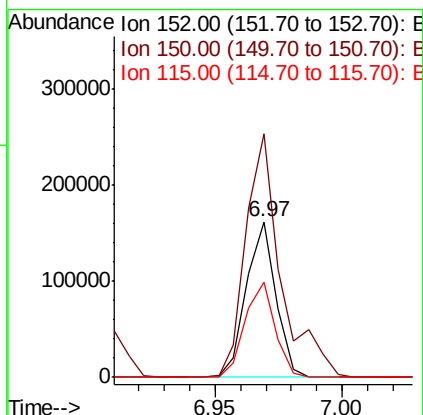
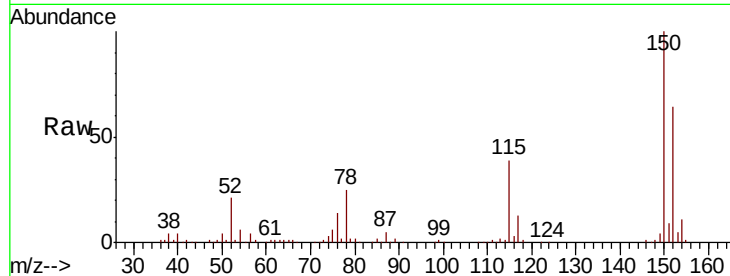


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MSD

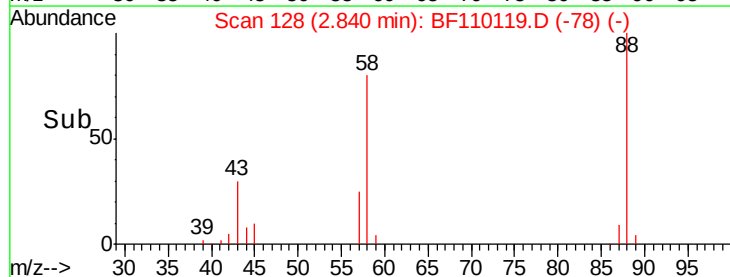
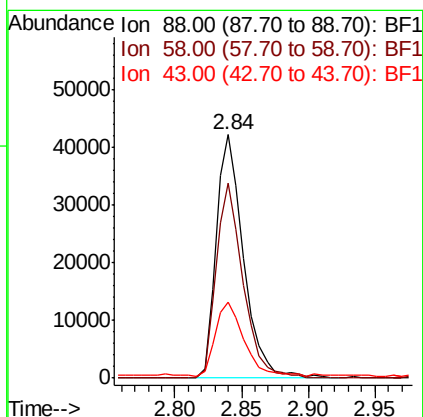
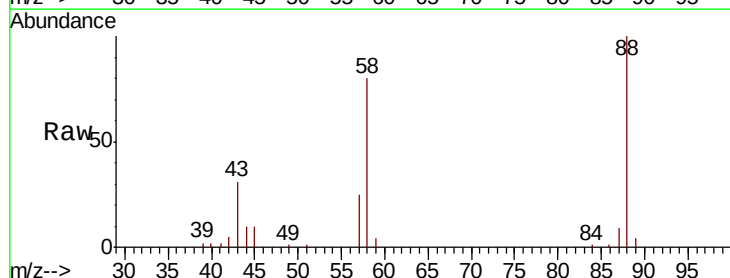
Tot Ion:152 Resp: 131060
Ion Ratio Lower Upper
152 100
150 156.3 122.7 184.1
115 61.2 49.1 73.7

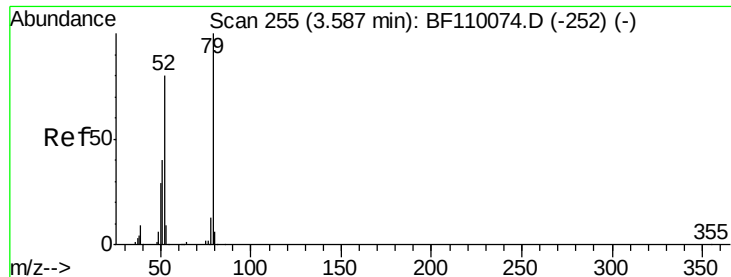


#2

1,4-Dioxane
Concen: 14.404 ng
RT: 2.84 min Scan# 128
Delta R.T. -0.01 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

Tgt Ion: 88 Resp: 60736
Ion Ratio Lower Upper
88 100
58 78.7 57.1 85.7
43 31.1 24.1 36.1





#3

Pvridine

Concen: 15.248 ng

RT: 3.62 min Scan# 261

Delta R.T. 0.01 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

Instrument :

BNA_F

ClientSampleId :

RAV-GT104MSD

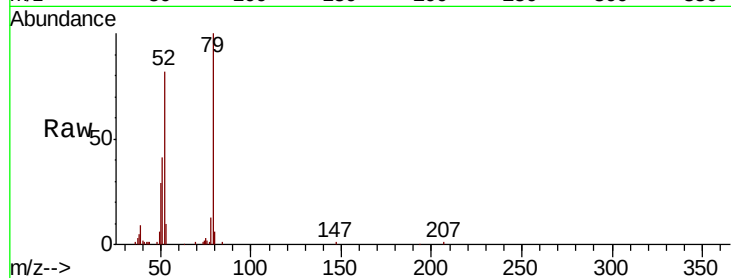
Tot Ion: 79 Resp: 143203

Ion Ratio Lower Upper

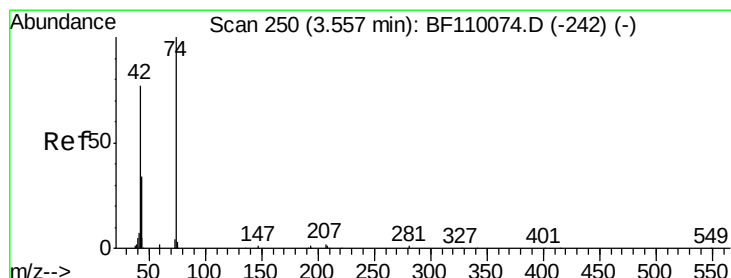
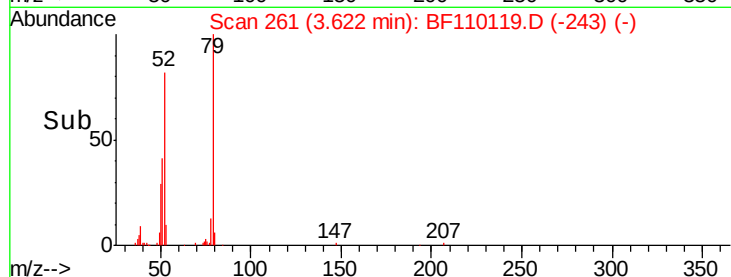
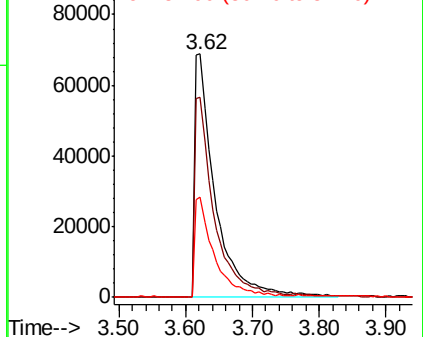
79 100

52 82.1 53.1 79.7#

51 41.0 27.4 41.2



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: 18.982 ng

RT: 3.56 min Scan# 250

Delta R.T. -0.02 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

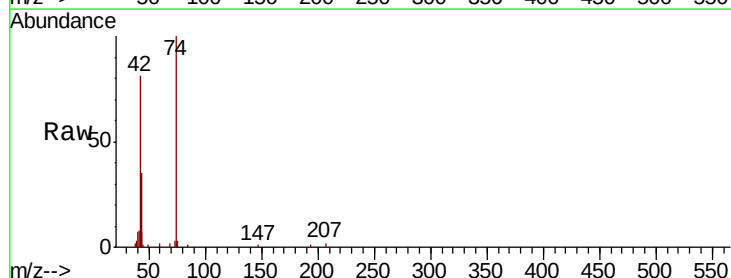
Tgt Ion: 42 Resp: 74690

Ion Ratio Lower Upper

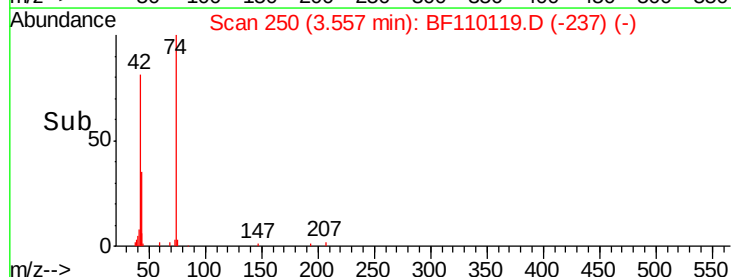
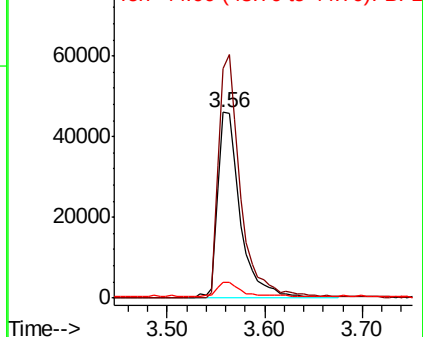
42 100

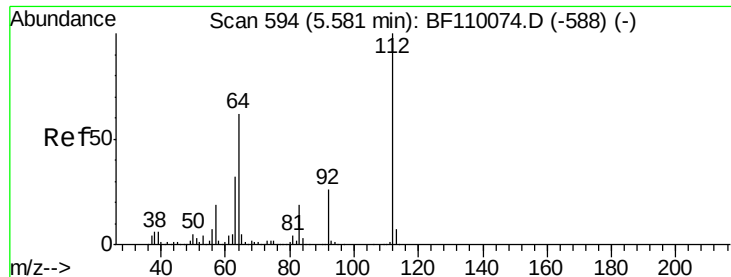
74 123.9 105.5 158.3

44 8.8 4.9 7.3#



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: 50.582 ng

RT: 5.59 min Scan# 595

Delta R.T. -0.01 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

Instrument :

BNA_F

ClientSampleId :

RAV-GT104MSD

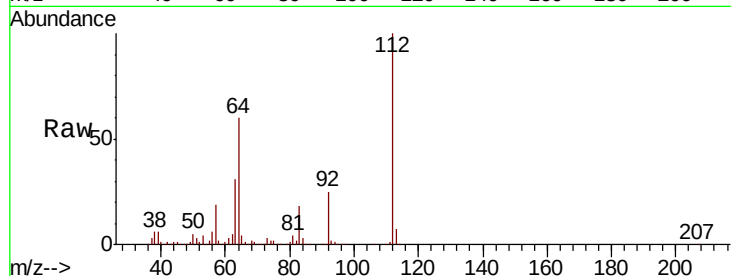
Tot Ion:112 Resp: 407091

Ion Ratio Lower Upper

112 100

64 59.9 44.1 66.1

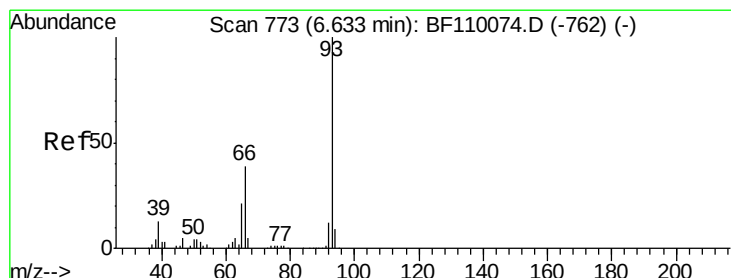
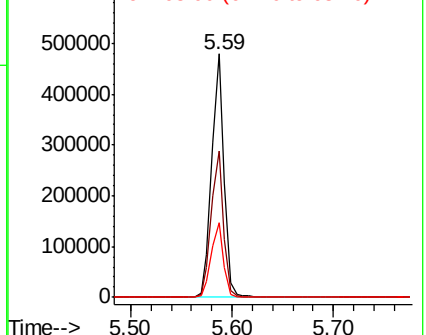
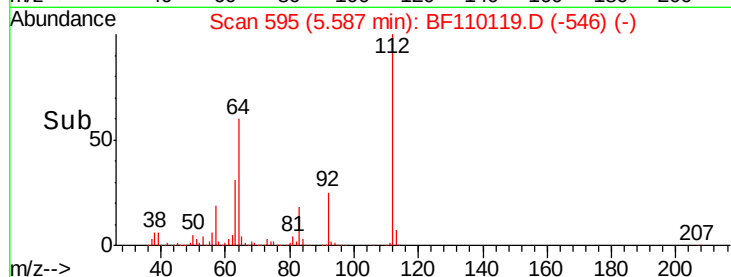
63 30.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 25.571 ng

RT: 6.63 min Scan# 772

Delta R.T. -0.02 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

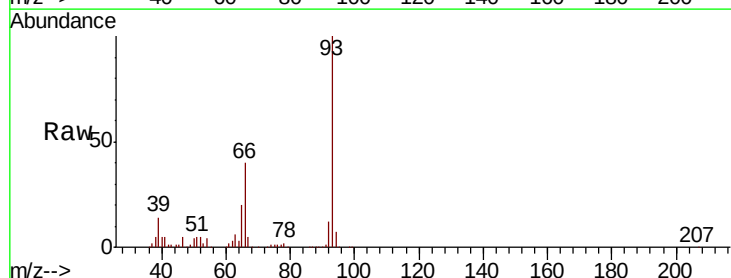
Tgt Ion: 93 Resp: 342906

Ion Ratio Lower Upper

93 100

66 40.3 67.4 101.0#

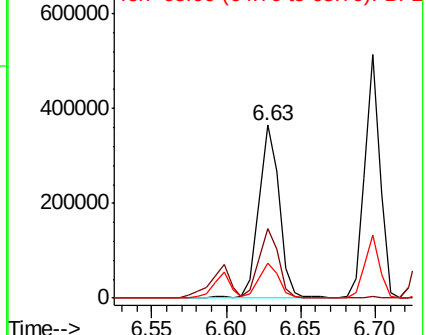
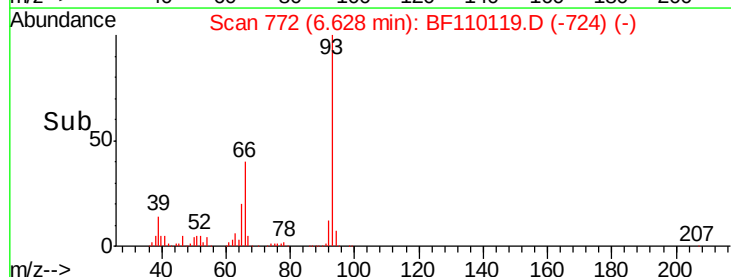
65 20.3 41.0 61.4#

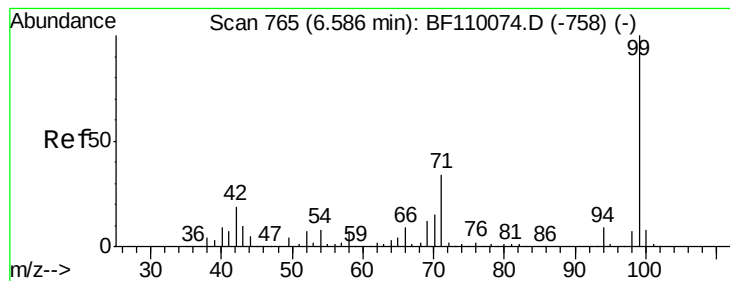


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 29.864 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

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ClientSampleId :

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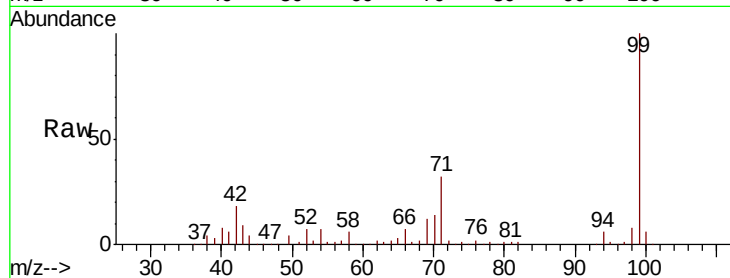
Tot Ion: 99 Resp: 307425

Ion Ratio Lower Upper

99 100

42 17.7 15.8 23.6

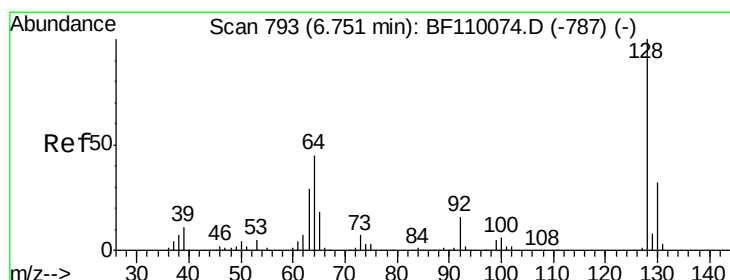
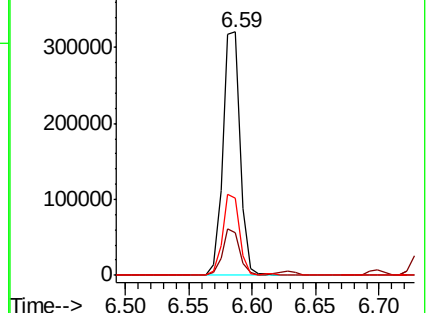
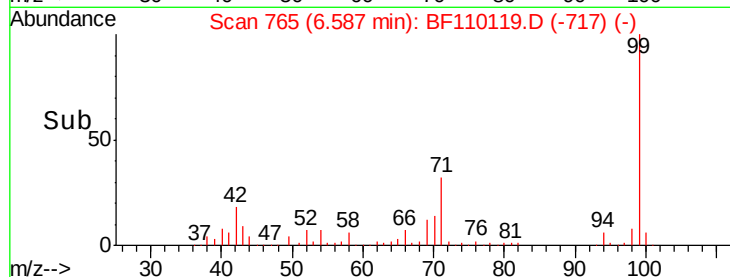
71 31.5 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 34.656 ng

RT: 6.75 min Scan# 793

Delta R.T. -0.02 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

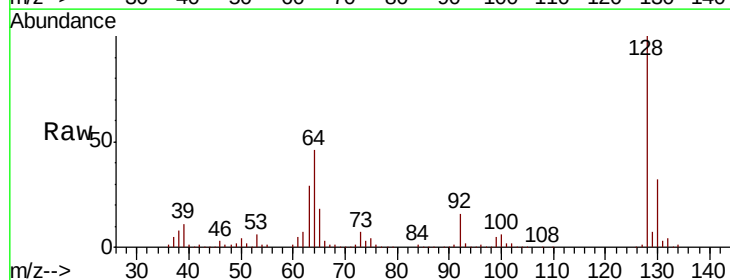
Tgt Ion: 128 Resp: 321568

Ion Ratio Lower Upper

128 100

130 31.9 13.1 53.1

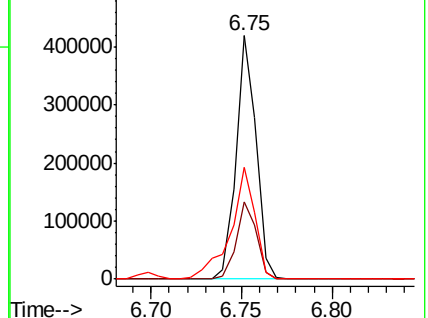
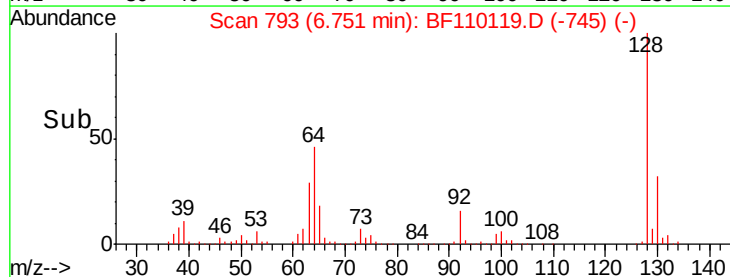
64 46.2 26.0 66.0

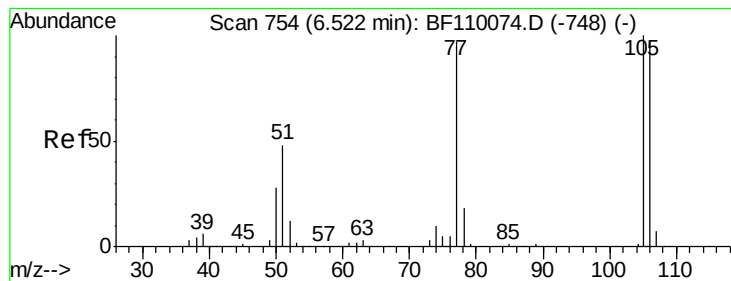


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 37.616 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

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ClientSampleId :

RAV-GT104MSD

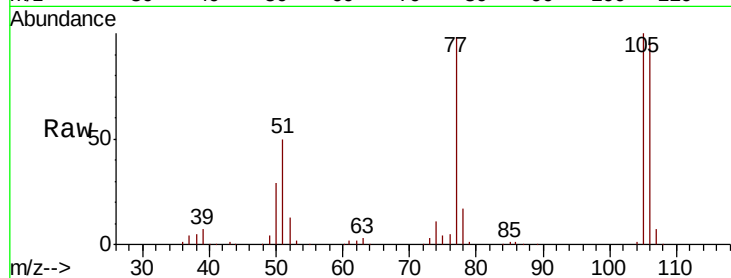
Tot Ion: 77 Resp: 228753

Ion Ratio Lower Upper

77 100

105 102.0 78.6 118.6

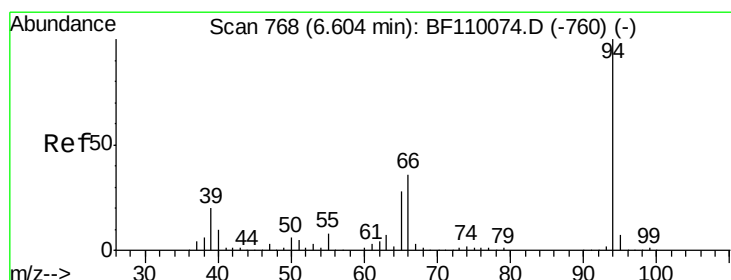
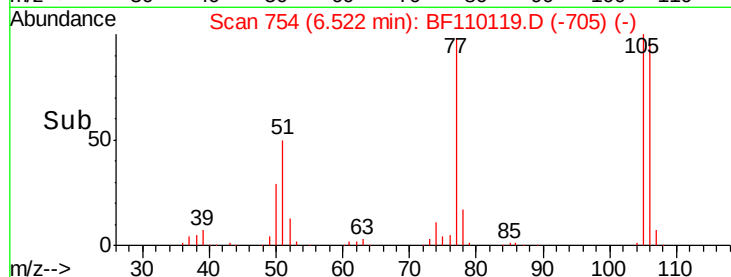
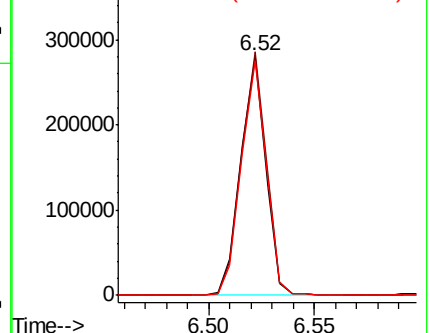
106 98.4 74.8 114.8



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 13.280 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.02 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

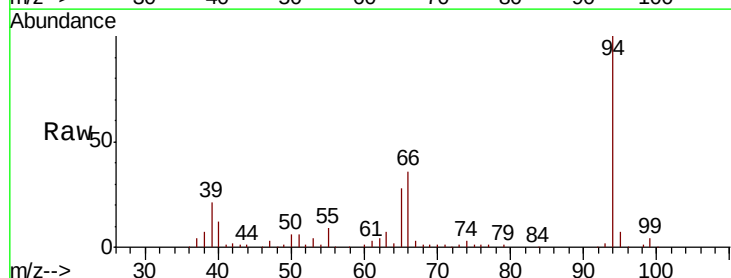
Tgt Ion: 94 Resp: 146126

Ion Ratio Lower Upper

94 100

65 27.7 25.3 65.3

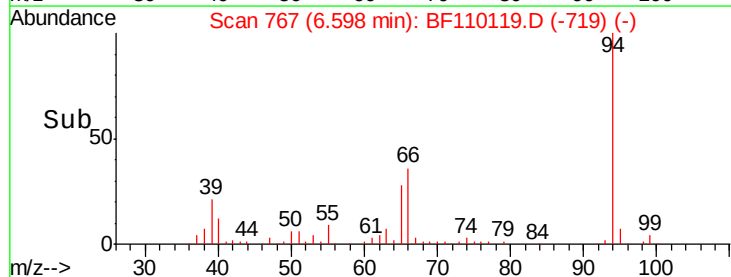
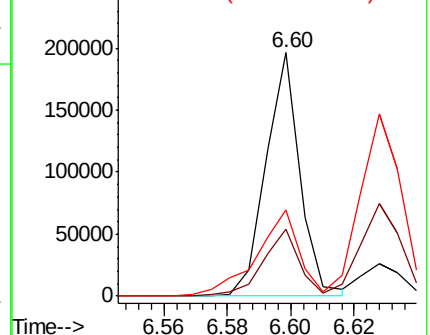
66 35.6 54.5 94.5#

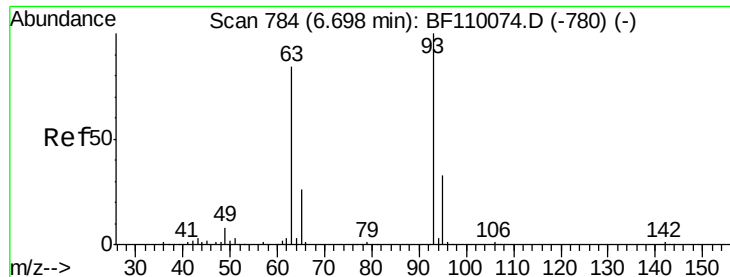


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

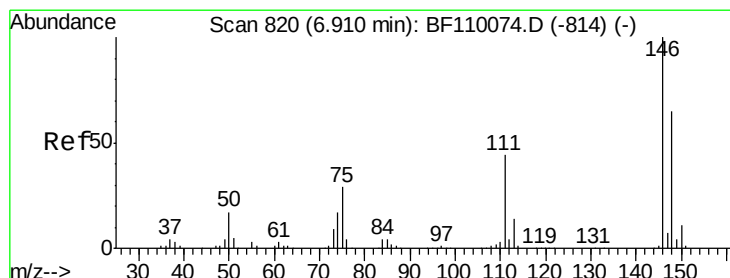
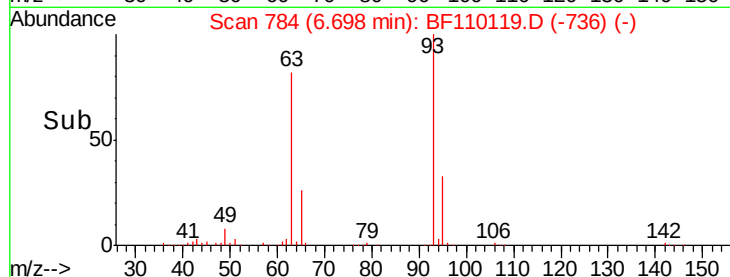
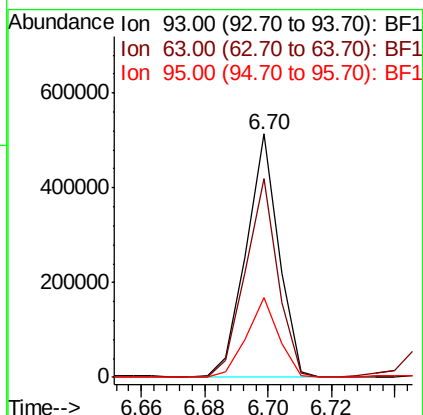
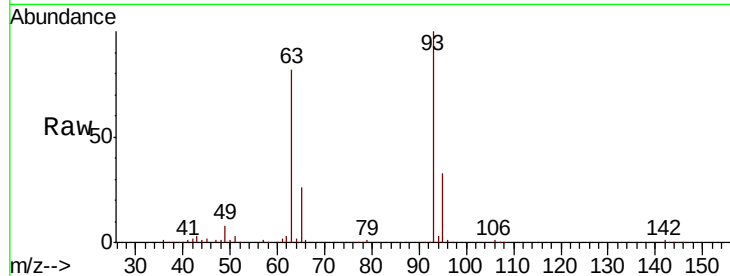




#11
bis(2-Chloroethyl)ether
Concen: 40.450 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.02 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

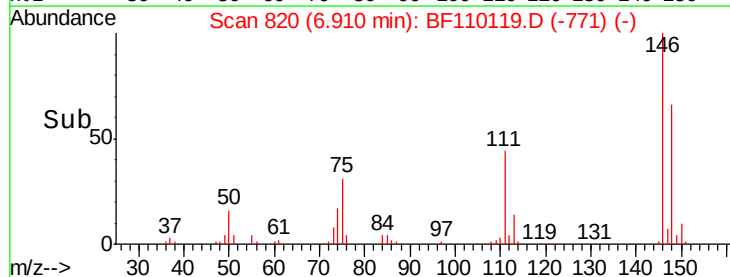
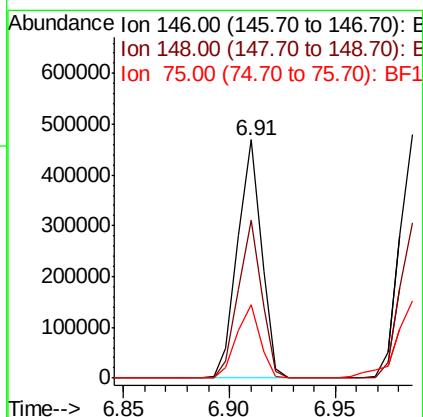
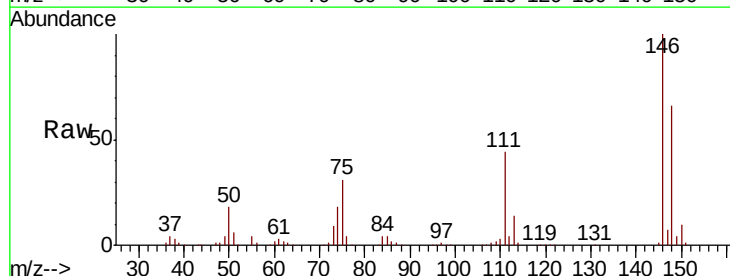
Instrument :
BNA_F
ClientSampleId :
RAV-GT104MSD

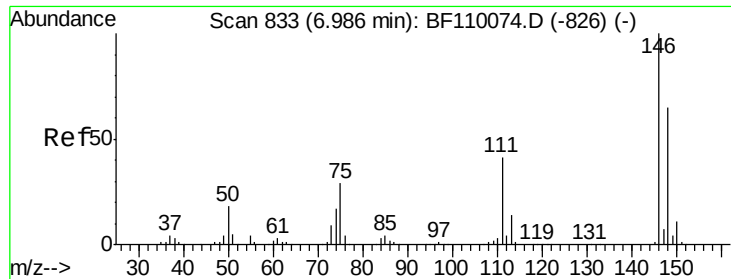
Tot Ion:	93	Resp:	366194
Ion	Ratio	Lower	Upper
93	100		
63	81.6	53.4	93.4
95	32.8	12.1	52.1



#12
1,3-Dichlorobenzene
Concen: 36.016 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

Tgt Ion:	146	Resp:	367763
Ion	Ratio	Lower	Upper
146	100		
148	66.3	50.4	75.6
75	30.9	25.8	38.6

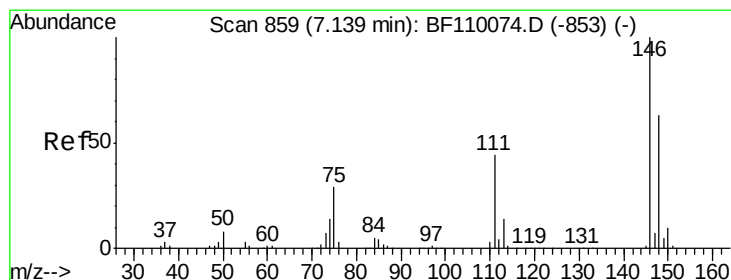
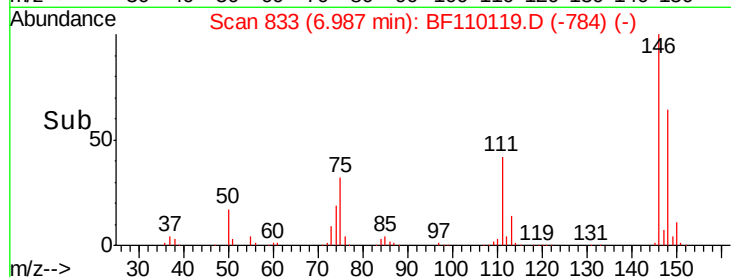
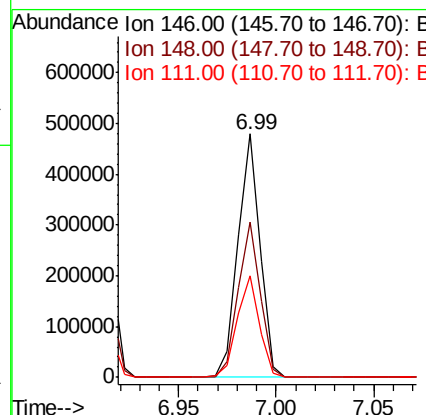
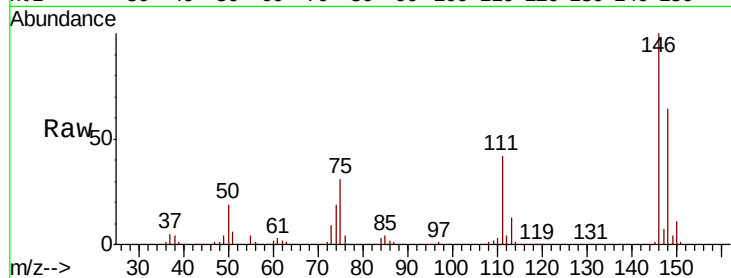




#13
 1,4-Dichlorobenzene
 Concen: 36.439 ng
 RT: 6.99 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: BF110119.D
 Acq: 24 Oct 2018 17:09

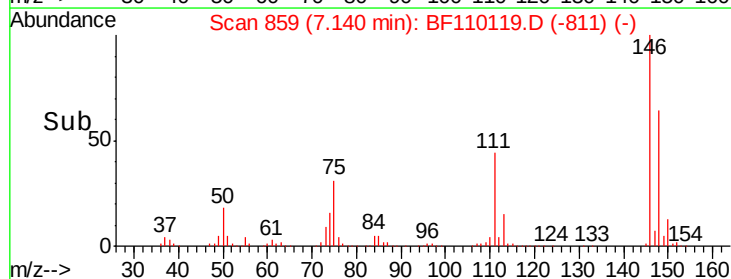
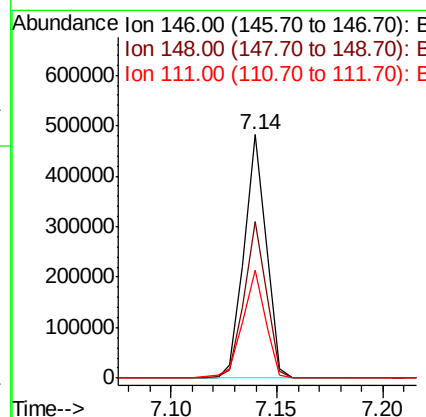
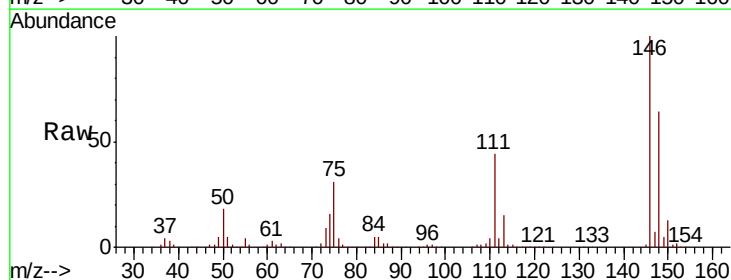
Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT104MSD

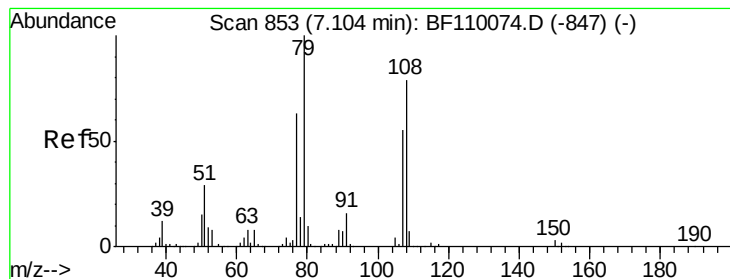
Tot Ion:146 Resp: 376317
 Ion Ratio Lower Upper
 146 100
 148 63.5 50.3 75.5
 111 41.5 32.7 49.1



#14
 1,2-Dichlorobenzene
 Concen: 36.371 ng
 RT: 7.14 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: BF110119.D
 Acq: 24 Oct 2018 17:09

Tgt Ion:146 Resp: 348693
 Ion Ratio Lower Upper
 146 100
 148 64.4 51.1 76.7
 111 44.3 35.8 53.6





#15

Benzyl Alcohol

Concen: 25.617 ng

RT: 7.10 min Scan# 853

Delta R.T. -0.02 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

Instrument :

BNA_F

ClientSampleId :

RAV-GT104MSD

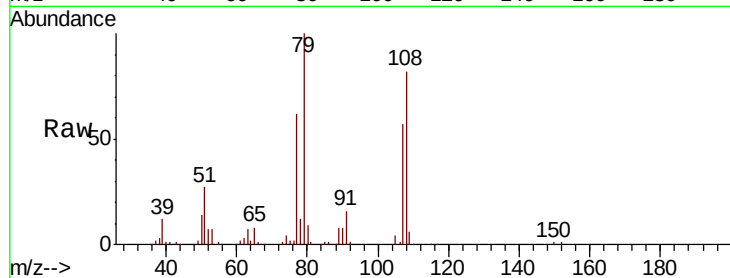
Tot Ion: 79 Resp: 202822

Ion Ratio Lower Upper

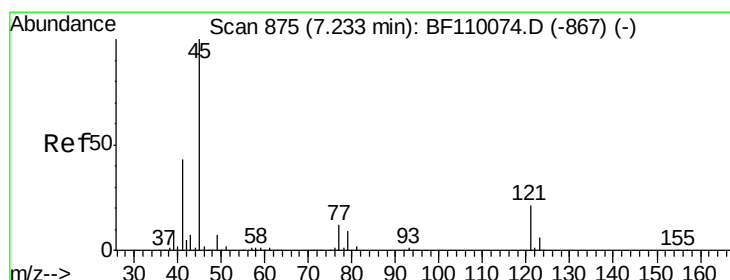
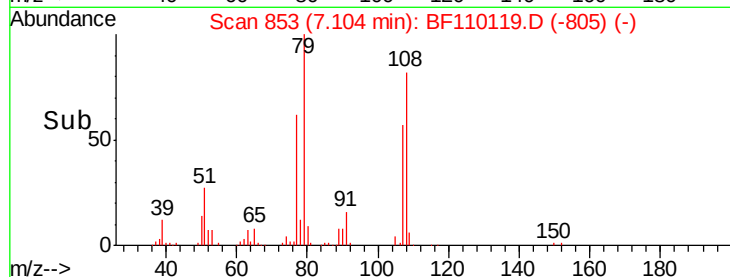
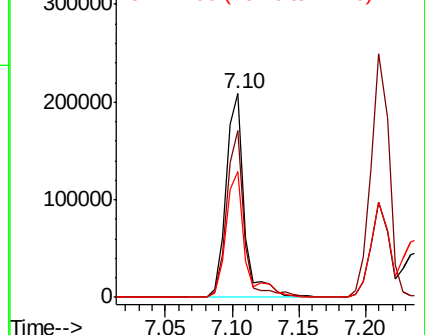
79 100

108 81.7 56.3 84.5

77 61.6 52.9 79.3



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



#16

2,2'-oxybis(1-chloropropane)

Concen: 41.217 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.01 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

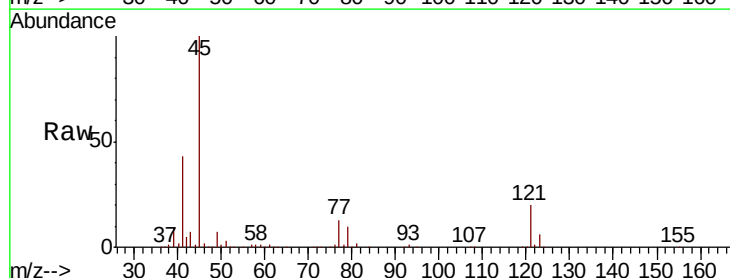
Tgt Ion: 45 Resp: 596596

Ion Ratio Lower Upper

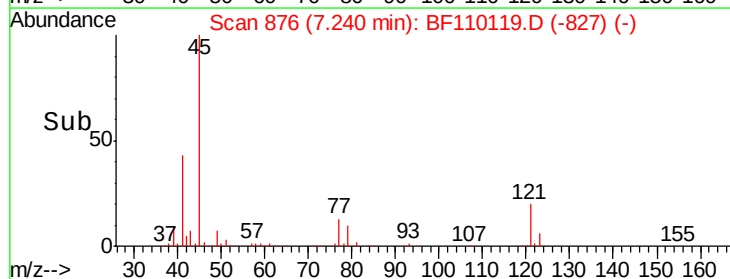
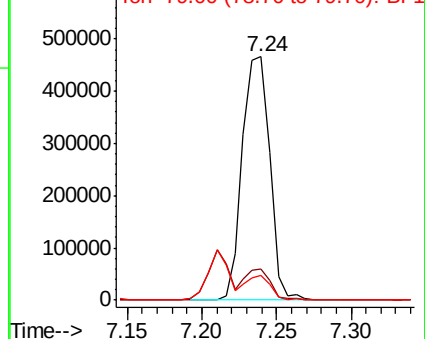
45 100

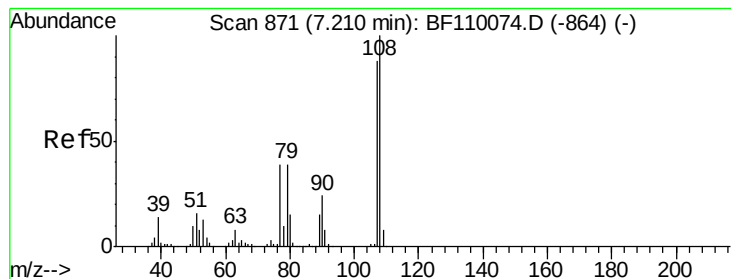
77 12.7 10.0 50.0

79 10.1 6.1 46.1



Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

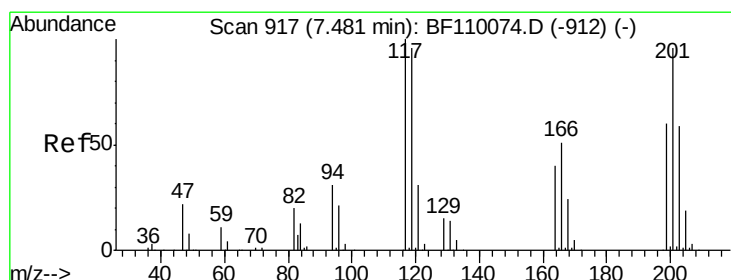
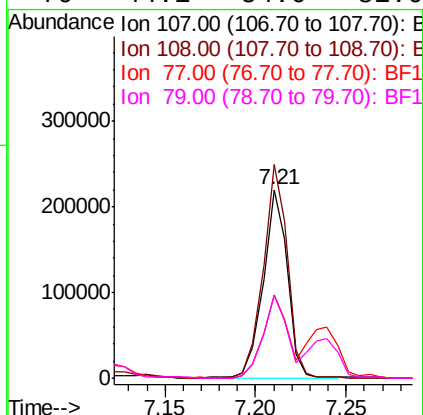
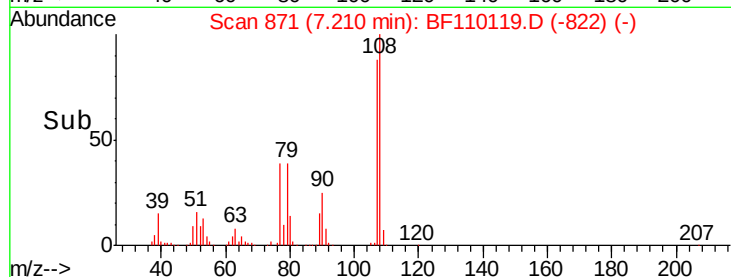
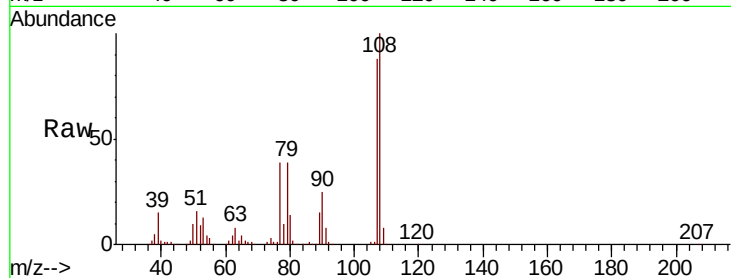




#17
2-Methylphenol
Concen: 27.276 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

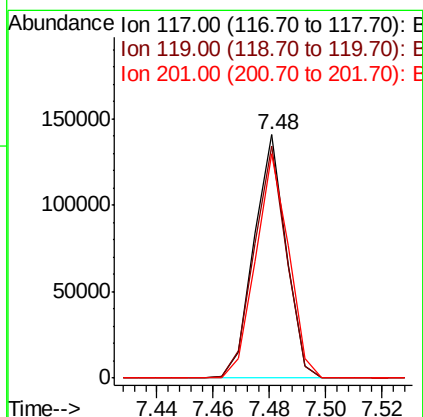
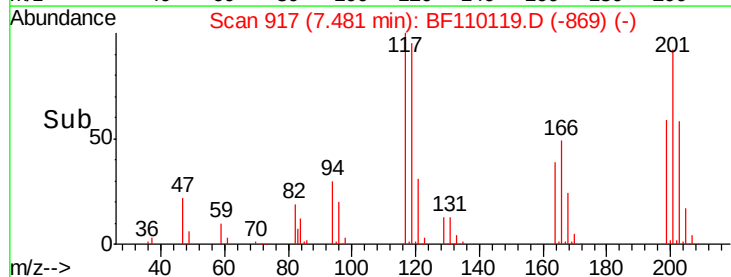
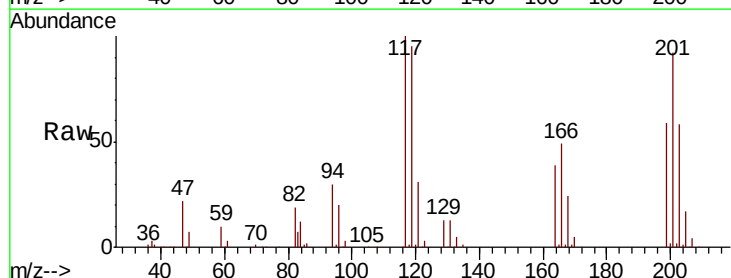
Instrument :
BNA_F
ClientSampleId :
RAV-GT104MSD

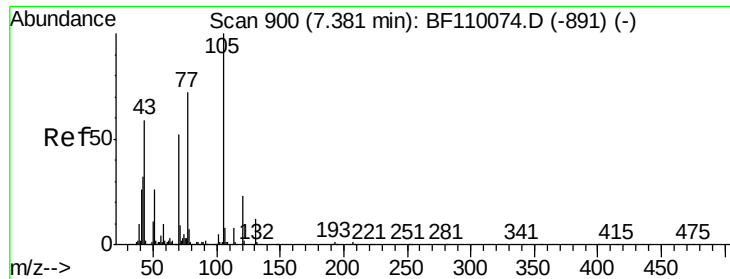
Tot Ion	Ratio	Lower	Upper
107	100		
108	113.4	92.6	138.8
77	44.4	59.4	89.2#
79	44.1	54.0	81.0#



#18
Hexachloroethane
Concen: 29.282 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.02 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.0	112.6
201	92.4	79.2	118.8

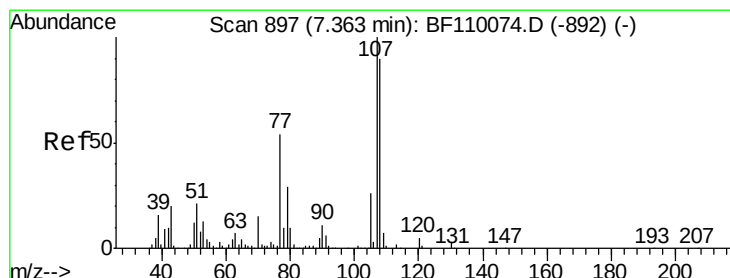
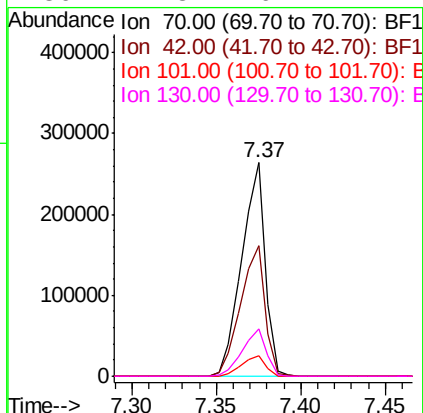
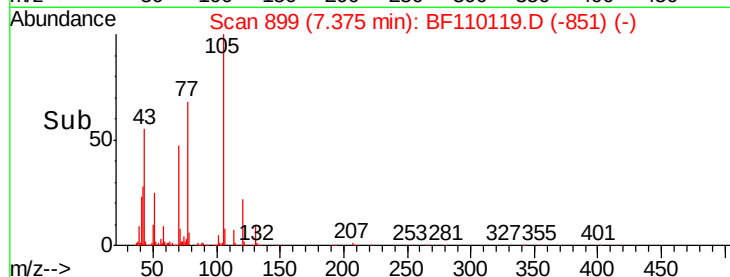
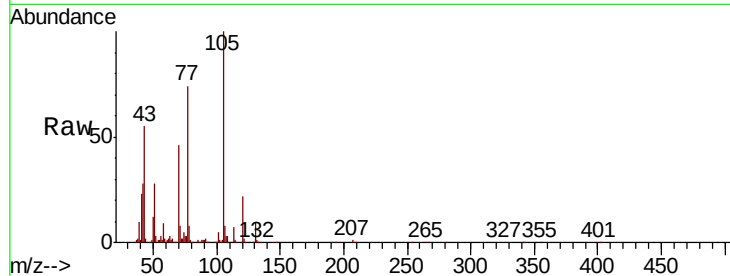




#19
n-Nitroso-di-n-propylamine
Concen: 39.085 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.02 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

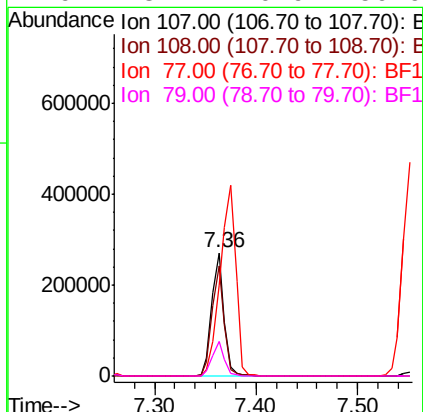
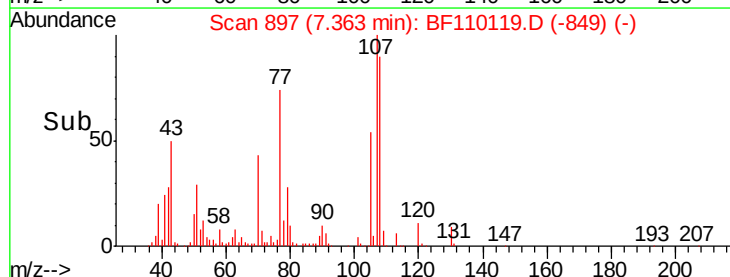
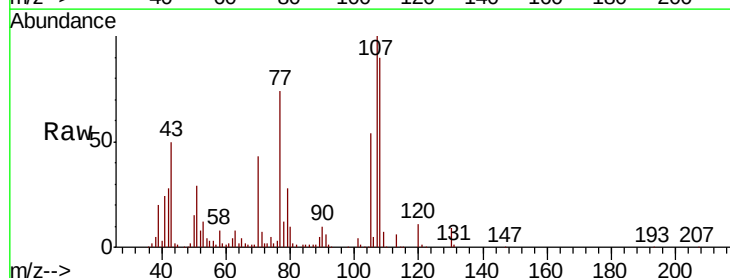
Instrument :
BNA_F
ClientSampleId :
RAV-GT104MSD

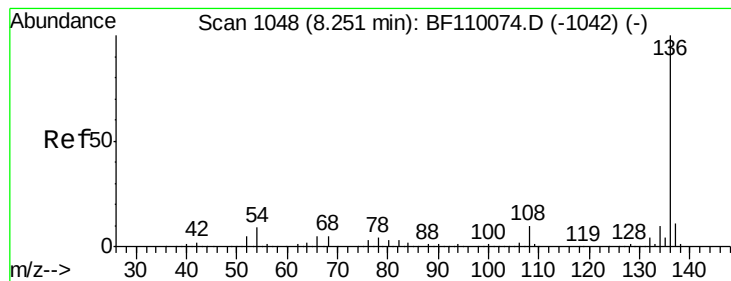
Tot Ion:	70	Resp:	258122
Ion	Ratio	Lower	Upper
70	100		
42	61.2	47.4	71.2
101	9.9	7.3	10.9
130	22.3	16.2	24.2



#20
3+4-Methylphenols
Concen: 24.175 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.02 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

Tgt Ion:	107	Resp:	231079
Ion	Ratio	Lower	Upper
107	100		
108	89.9	71.4	111.4
77	74.1	47.3	87.3
79	28.4	10.9	50.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

Instrument :

BNA_F

ClientSampleId :

RAV-GT104MSD

Tot Ion:136 Resp: 465221

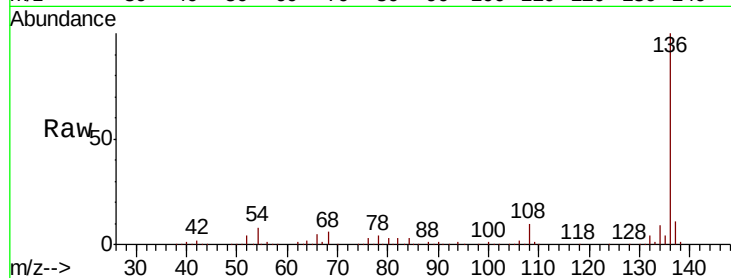
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 8.3 5.4 8.2#

68 5.6 4.2 6.2

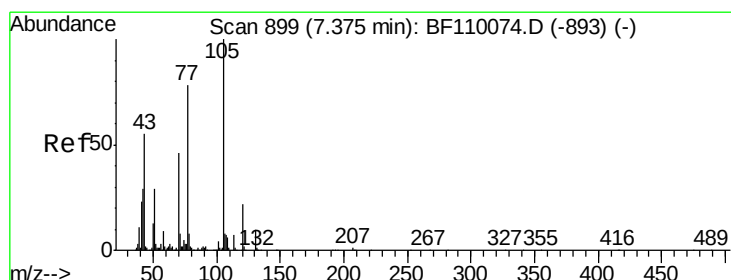
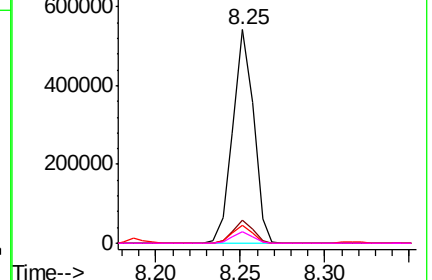
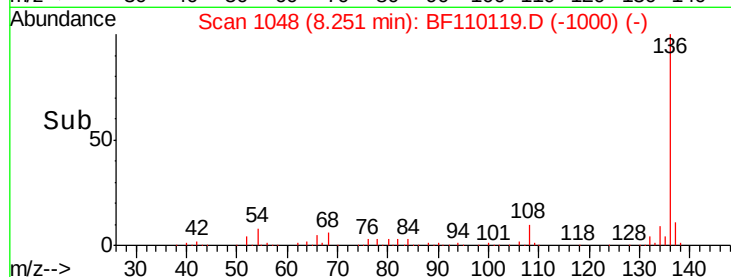


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 48.216 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.02 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

Tgt Ion:105 Resp: 516861

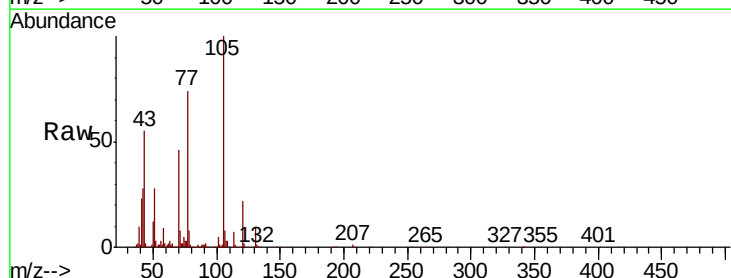
Ion Ratio Lower Upper

105 100

71 7.7 5.2 7.8

51 27.8 21.8 32.8

120 22.1 17.0 25.4

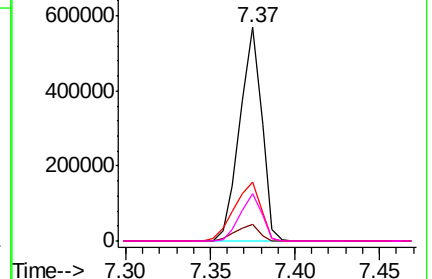
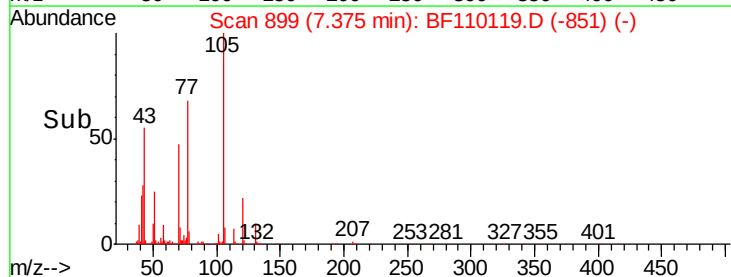


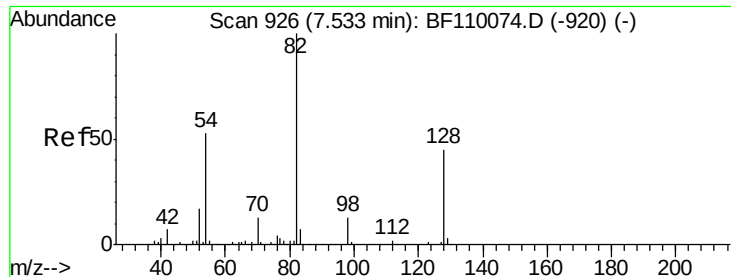
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

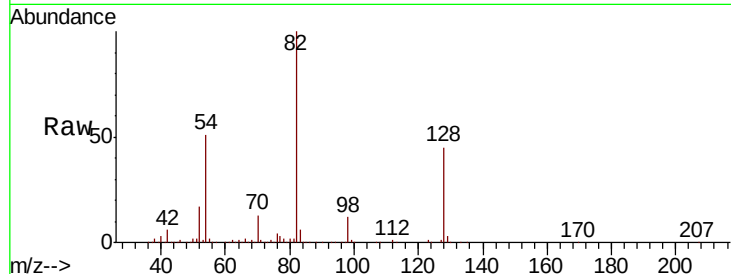




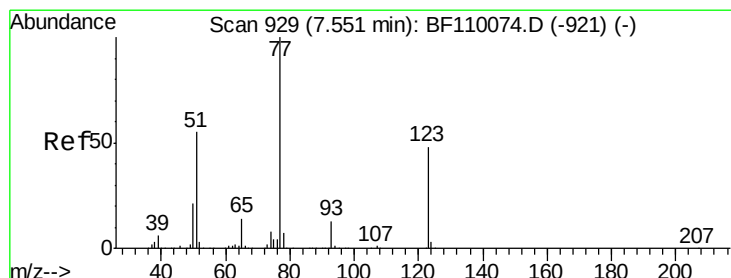
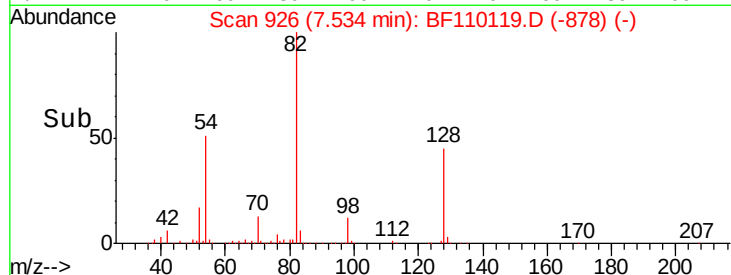
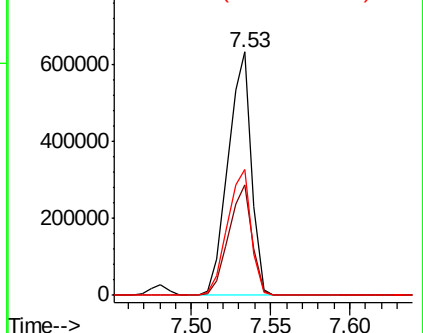
#23
 Nitrobenzene-d5
 Concen: 81.965 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.02 min
 Lab File: BF110119.D
 Acq: 24 Oct 2018 17:09

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT104MSD

Tot Ion	82	Resp	642888
Ion Ratio	Lower	Upper	
82	100		
128	45.5	34.2	51.2
54	51.5	38.6	58.0

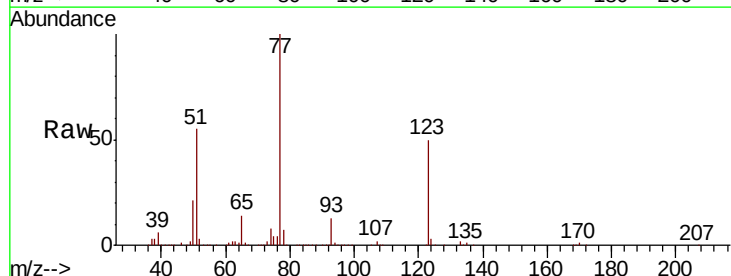


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

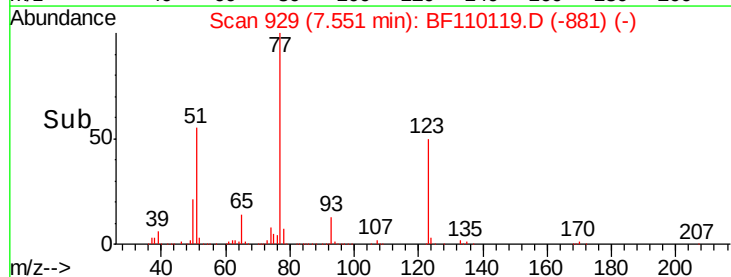
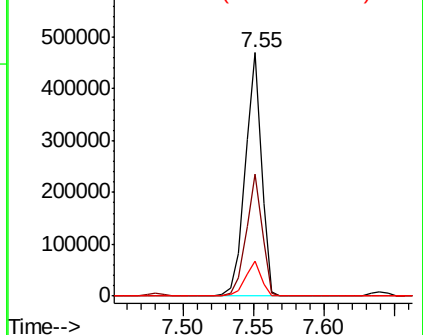


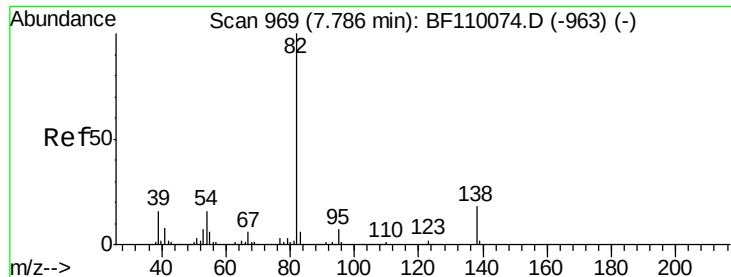
#24
 Nitrobenzene
 Concen: 46.496 ng
 RT: 7.55 min Scan# 929
 Delta R.T. -0.02 min
 Lab File: BF110119.D
 Acq: 24 Oct 2018 17:09

Tgt Ion	77	Resp	376517
Ion Ratio	Lower	Upper	
77	100		
123	50.1	35.7	53.5
65	14.2	10.7	16.1



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

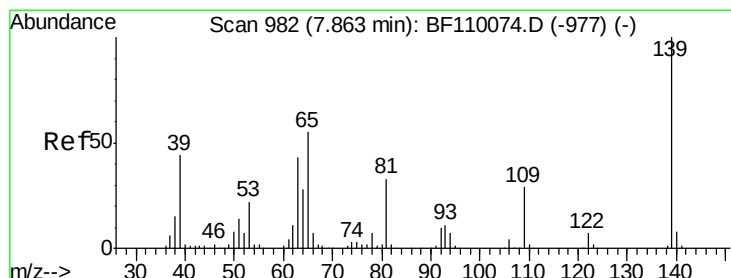
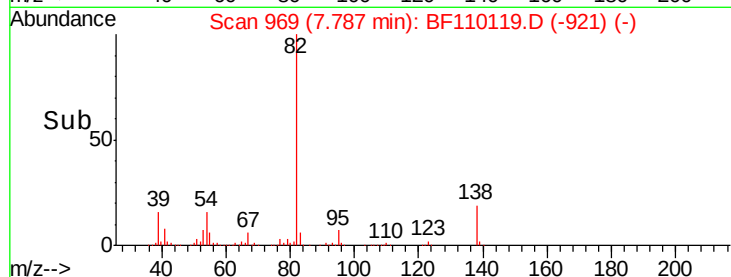
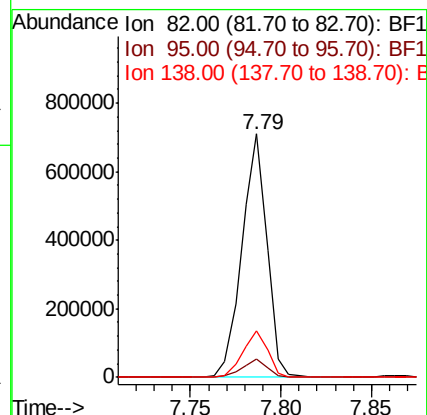
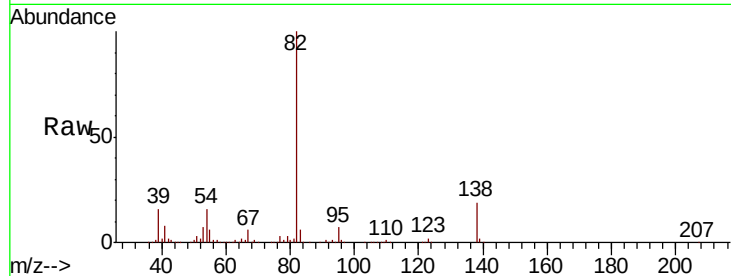




#25
Isophorone
Concen: 50.909 ng
RT: 7.79 min Scan# 969
Delta R.T. -0.02 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

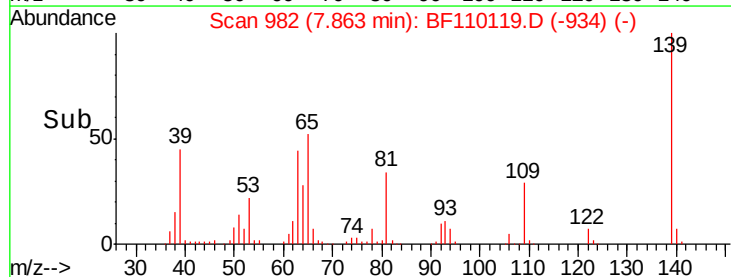
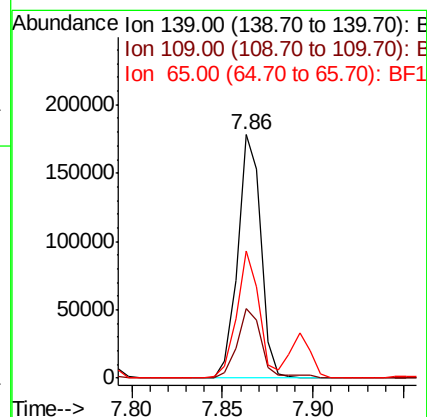
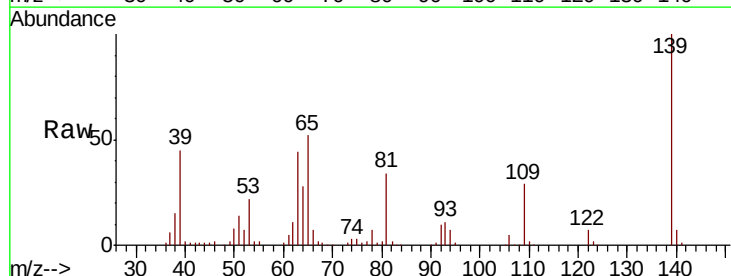
Instrument :
BNA_F
ClientSampleId :
RAV-GT104MSD

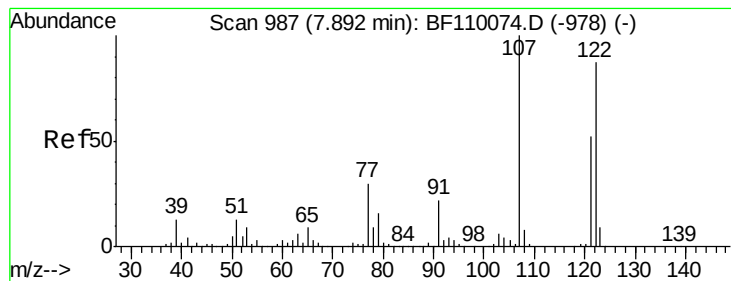
Tot Ion	82	Resp	680656
Ion Ratio	100	Lower	Upper
95	7.3	5.7	8.5
138	19.0	13.2	19.8



#26
2-Nitrophenol
Concen: 40.950 ng
RT: 7.86 min Scan# 982
Delta R.T. -0.02 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

Tgt Ion	139	Resp	157799
Ion Ratio	100	Lower	Upper
109	28.5	25.0	37.6
65	52.4	44.0	66.0





#27

2,4-Dimethylphenol

Concen: 45.165 ng

RT: 7.89 min Scan# 987

Delta R.T. -0.02 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

Instrument :

BNA_F

ClientSampleId :

RAV-GT104MSD

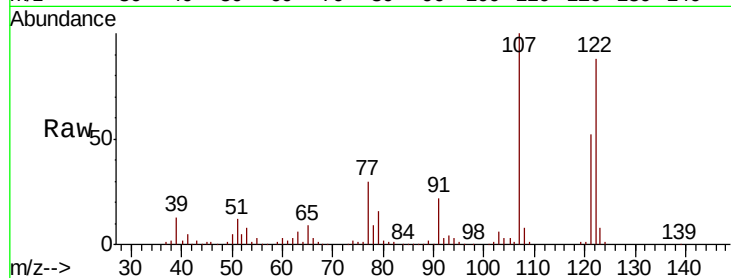
Tot Ion:122 Resp: 288551

Ion Ratio Lower Upper

122 100

107 113.3 92.5 138.7

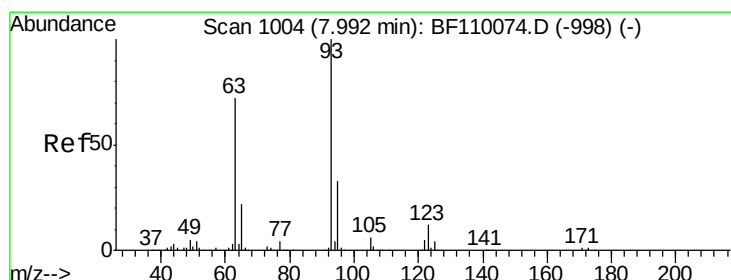
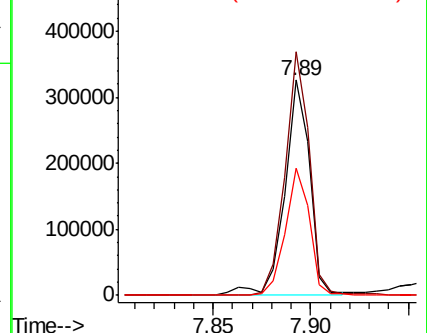
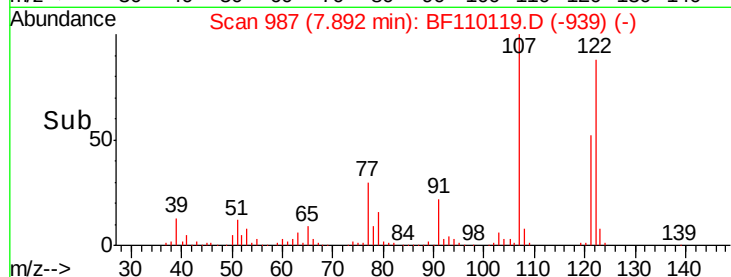
121 59.0 45.8 68.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 48.593 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

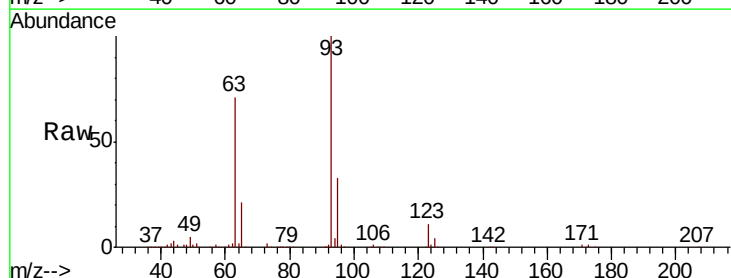
Tgt Ion: 93 Resp: 441356

Ion Ratio Lower Upper

93 100

95 33.0 26.4 39.6

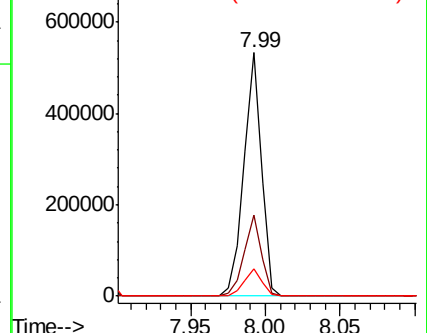
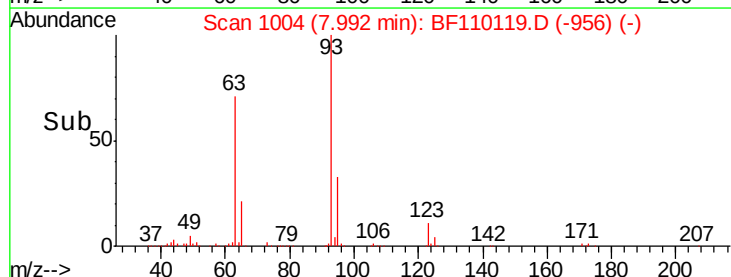
123 11.3 9.0 13.6

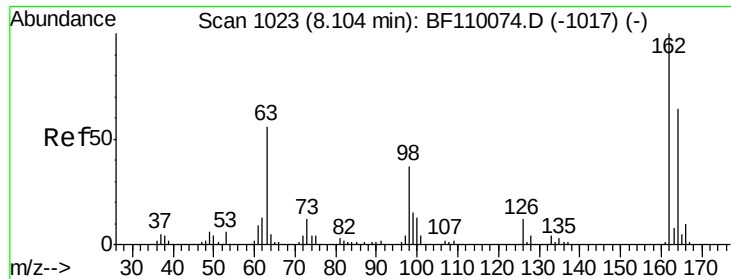


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

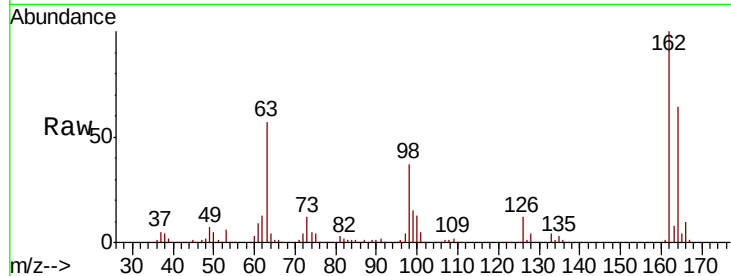




#29
2,4-Dichlorophenol
Concen: 40.993 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.6	84.6
98	37.1	17.4	57.4

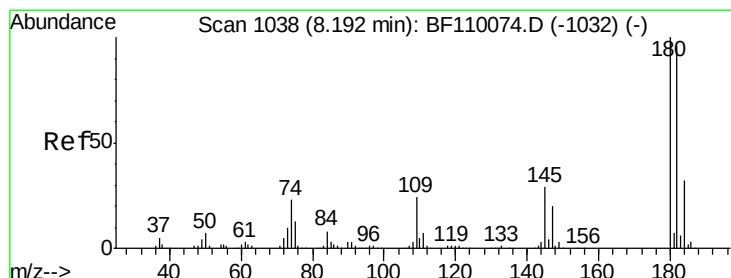
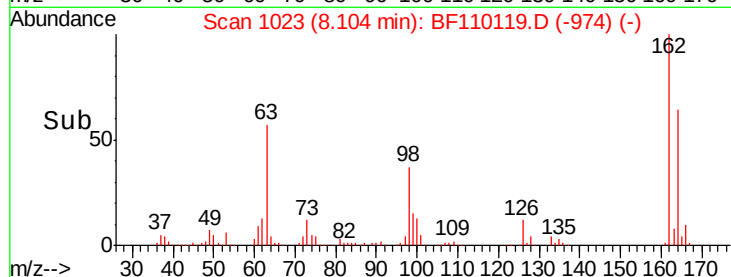
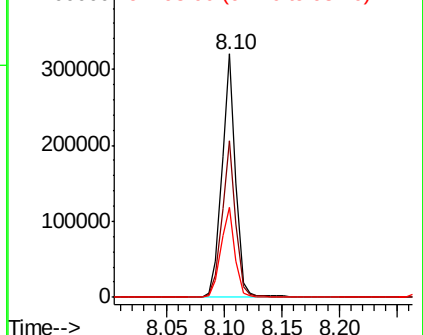


Abundance

Ion 162.00 (161.70 to 162.70): E

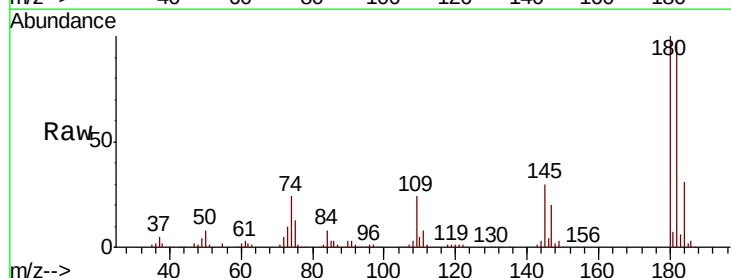
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 40.402 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	80.3	120.5
145	30.0	25.4	38.0

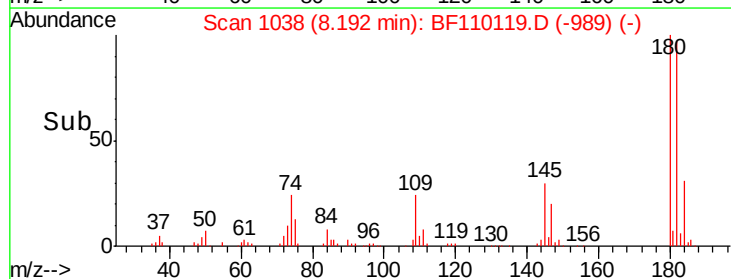
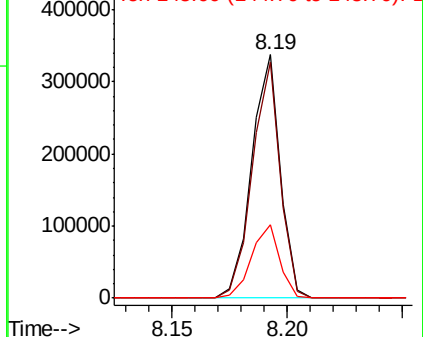


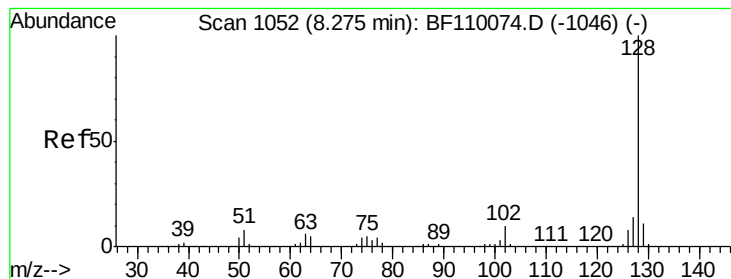
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 45.086 ng

RT: 8.27 min Scan# 1052

Delta R.T. -0.02 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

Instrument :

BNA_F

ClientSampleId :

RAV-GT104MSD

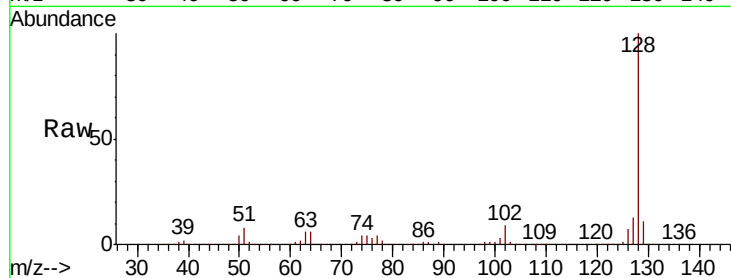
Tot Ion:128 Resp: 966707

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

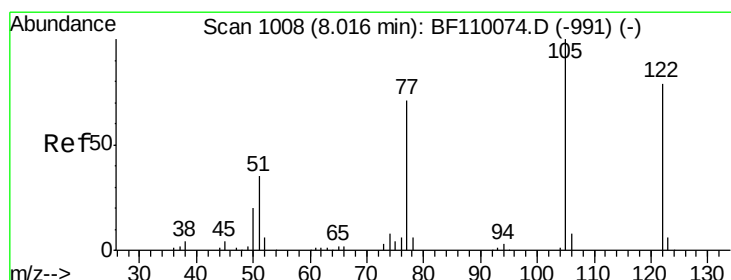
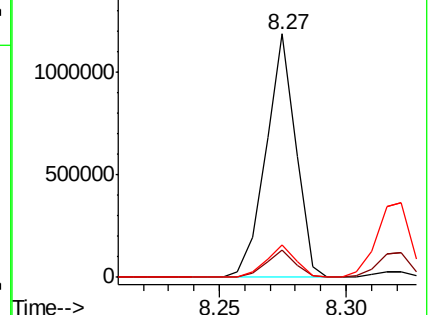
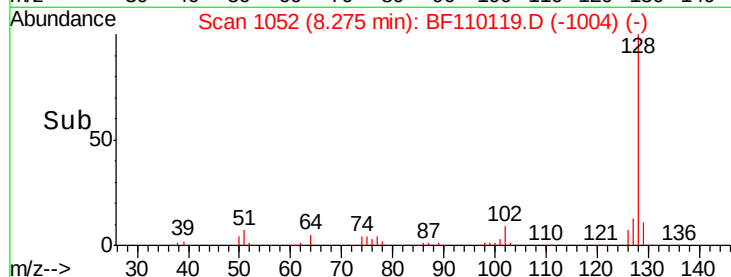
127 13.4 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 7.243 ng

RT: 7.96 min Scan# 999

Delta R.T. -0.05 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

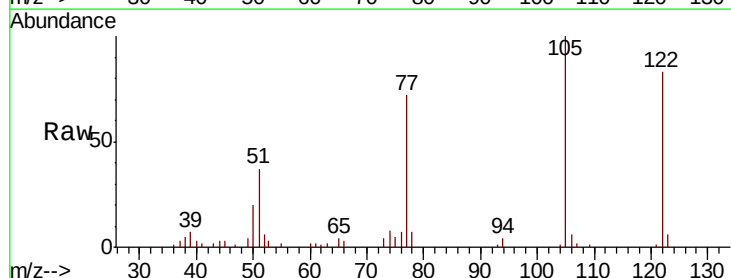
Tgt Ion:122 Resp: 35766

Ion Ratio Lower Upper

122 100

105 121.0 109.0 149.0

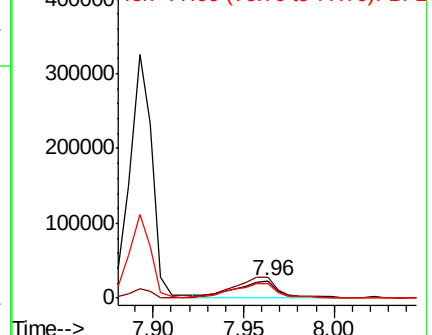
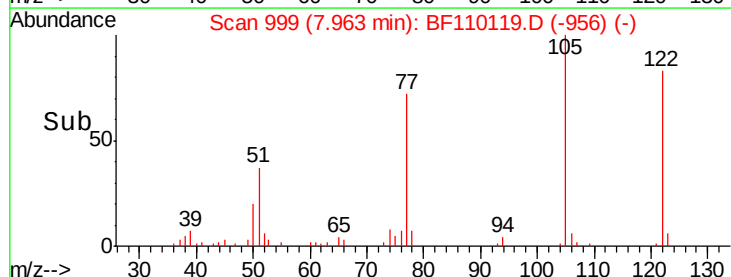
77 87.2 79.0 119.0

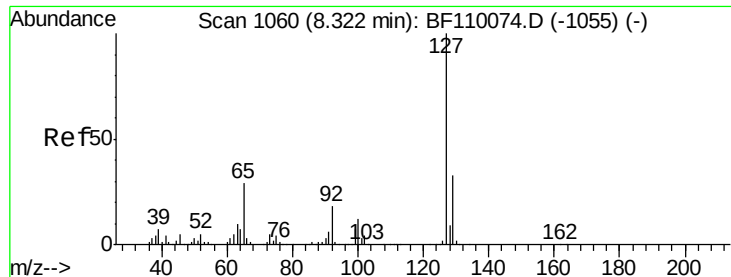


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

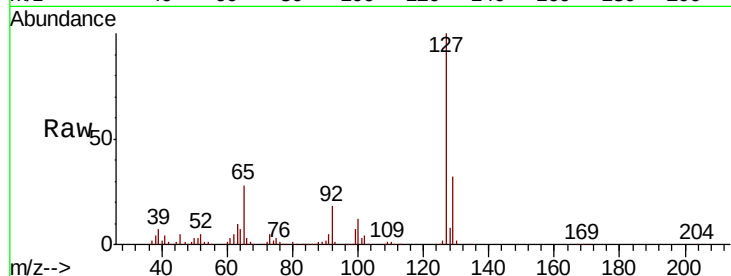




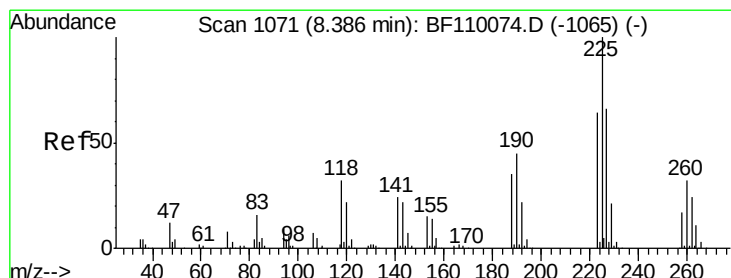
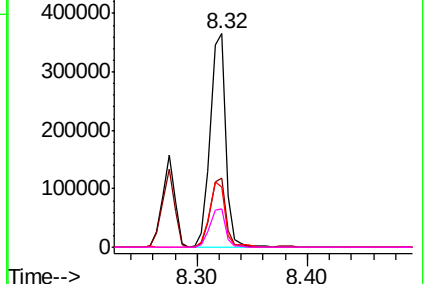
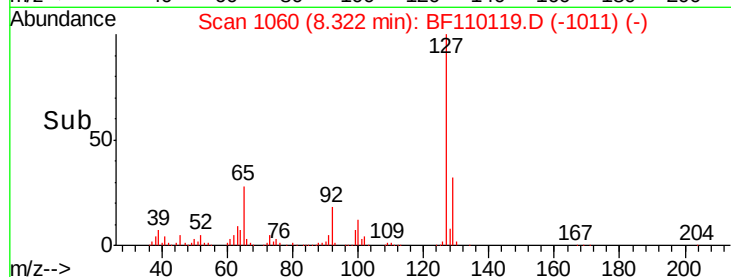
#33
4-Chloroaniline
Concen: 36.111 ng
RT: 8.32 min Scan# 1060
Delta R.T. -0.01 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MSD

Tot Ion:	127	Resp:	348463
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.0	39.0
65	28.0	25.1	37.7
92	17.8	15.0	22.6

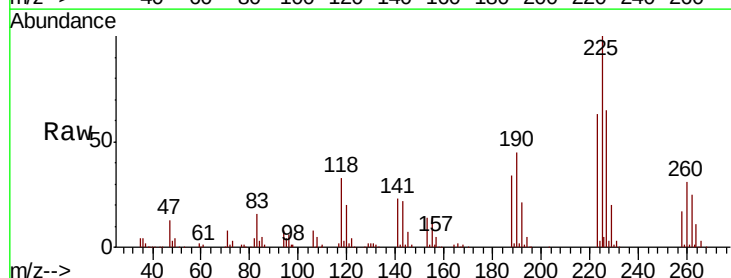


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

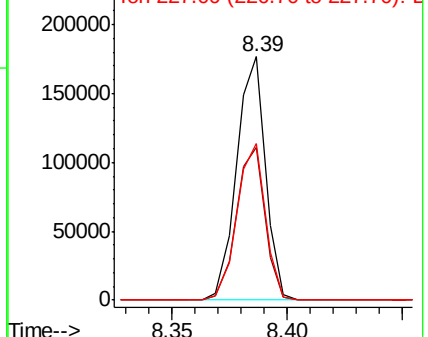
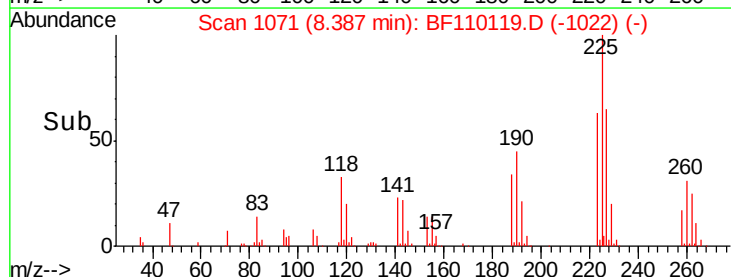


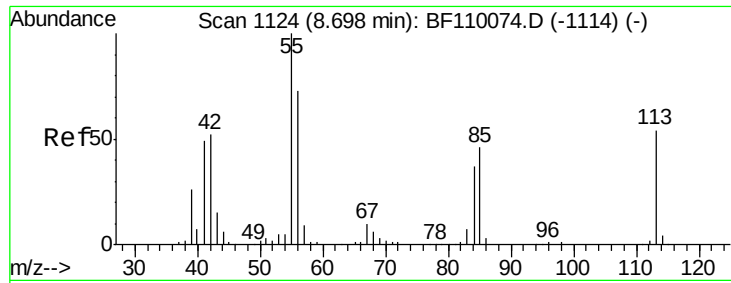
#34
Hexachlorobutadiene
Concen: 38.373 ng
RT: 8.39 min Scan# 1071
Delta R.T. -0.01 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

Tgt Ion:	225	Resp:	154041
Ion	Ratio	Lower	Upper
225	100		
223	62.5	51.4	77.2
227	64.5	51.0	76.6



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

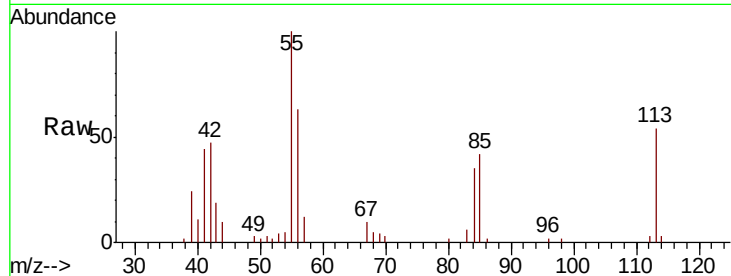




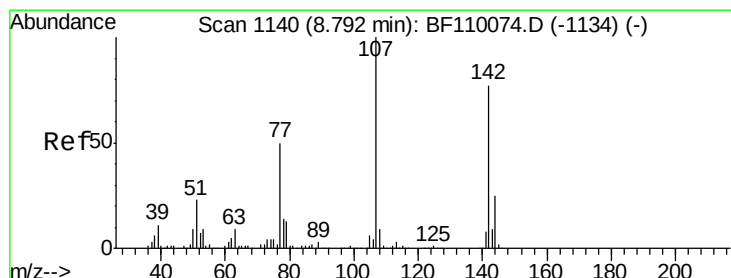
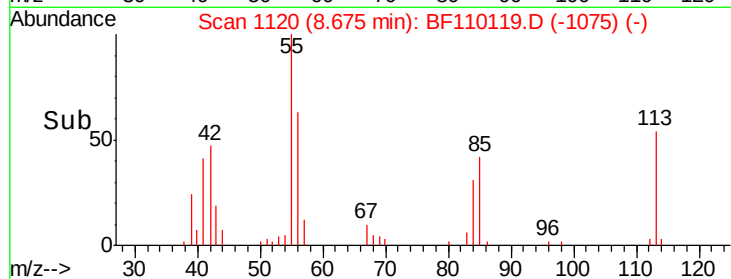
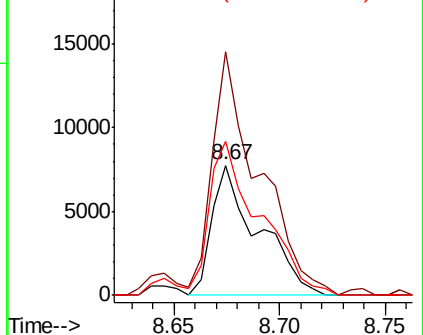
#35
 Caprolactam
 Concen: 5.267 ng
 RT: 8.67 min Scan# 1120
 Delta R.T. -0.04 min
 Lab File: BF110119.D
 Acq: 24 Oct 2018 17:09

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT104MSD

Tot Ion:113 Resp: 11849
 Ion Ratio Lower Upper
 113 100
 55 186.9 142.8 182.8#
 56 118.3 105.0 145.0

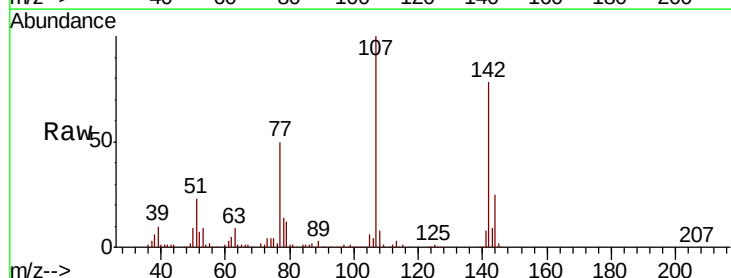


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

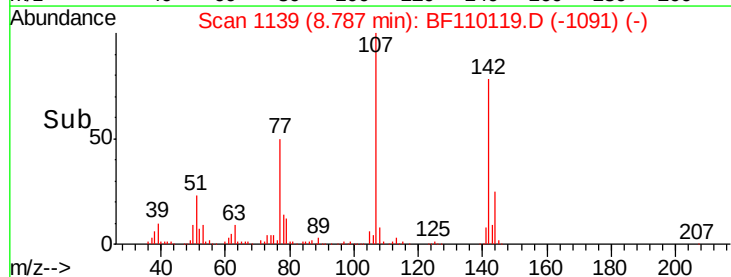
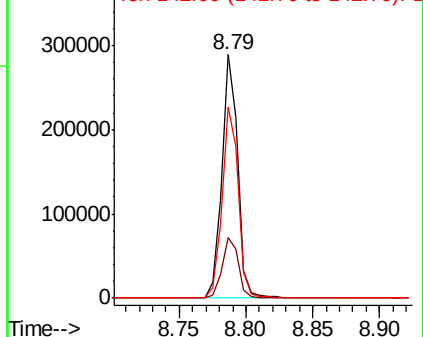


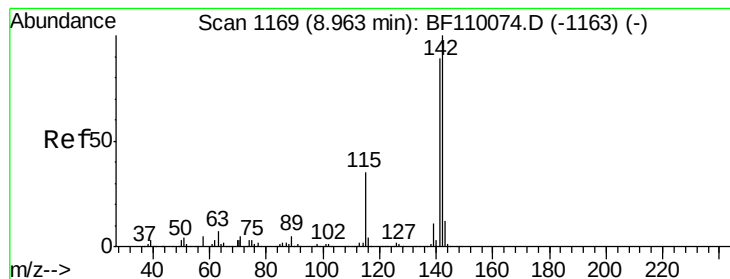
#36
 4-Chloro-3-methylphenol
 Concen: 34.844 ng
 RT: 8.79 min Scan# 1139
 Delta R.T. -0.02 min
 Lab File: BF110119.D
 Acq: 24 Oct 2018 17:09

Tgt Ion:107 Resp: 243200
 Ion Ratio Lower Upper
 107 100
 144 24.9 20.0 30.0
 142 78.3 59.7 89.5



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 44.650 ng

RT: 8.96 min Scan# 1169

Delta R.T. -0.02 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

Instrument :

BNA_F

ClientSampleId :

RAV-GT104MSD

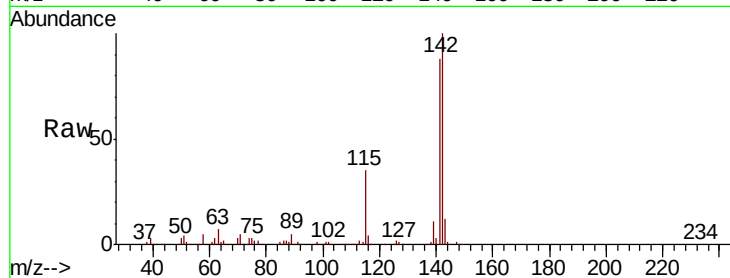
Tot Ion:142 Resp: 633425

Ion Ratio Lower Upper

142 100

141 88.0 71.4 107.2

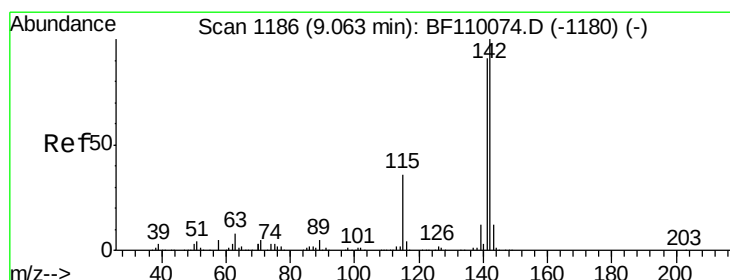
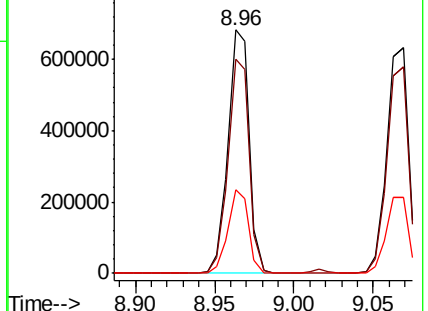
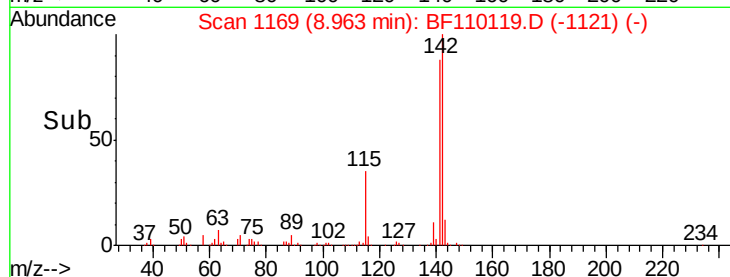
115 34.5 28.7 43.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 43.716 ng

RT: 9.07 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

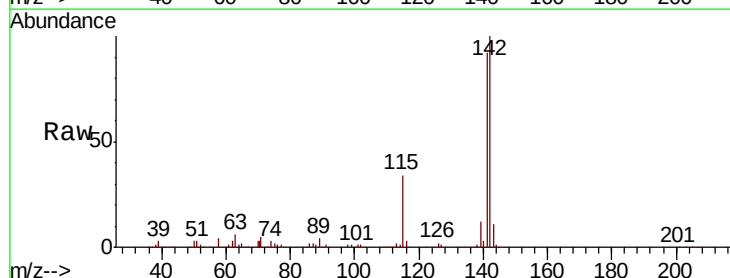
Tgt Ion:142 Resp: 599310

Ion Ratio Lower Upper

142 100

141 91.6 74.2 111.4

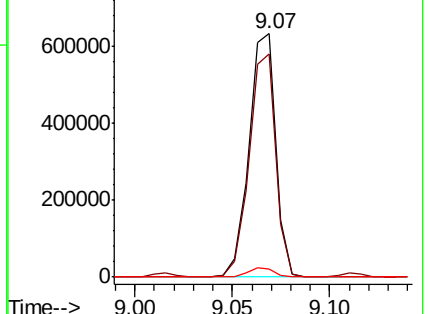
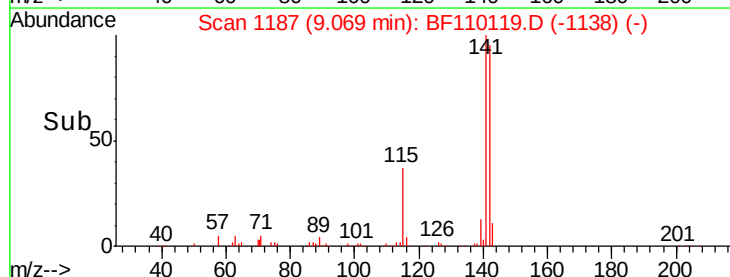
116 3.4 2.6 4.0

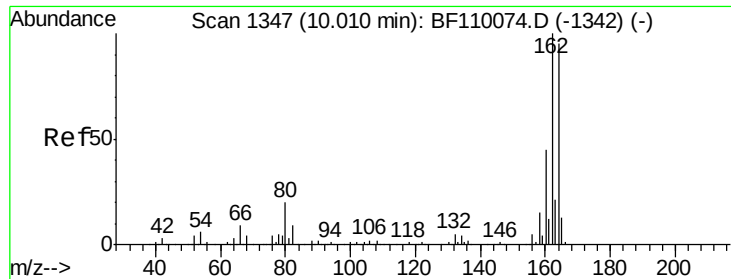


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.02 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

Instrument :

BNA_F

ClientSampleId :

RAV-GT104MSD

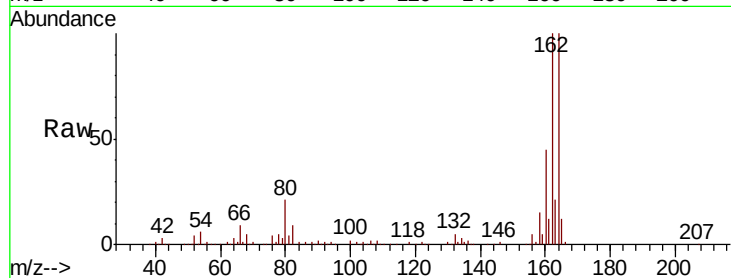
Tot Ion:164 Resp: 183656

Ion Ratio Lower Upper

164 100

162 100.2 83.0 124.6

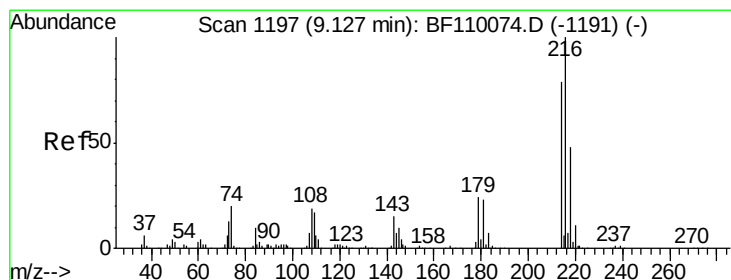
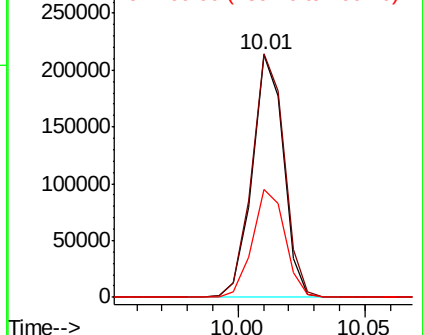
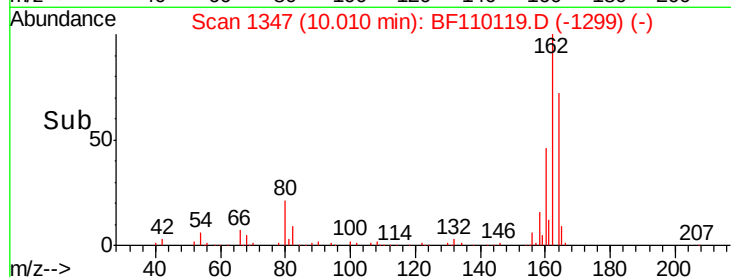
160 44.6 37.0 55.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.036 ng

RT: 9.13 min Scan# 1198

Delta R.T. -0.01 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

Tgt Ion:216 Resp: 269156

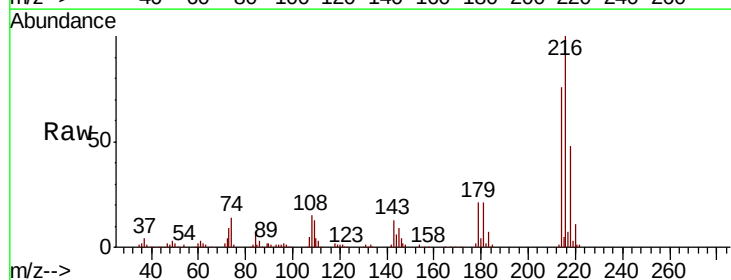
Ion Ratio Lower Upper

216 100

214 78.6 63.8 95.6

179 22.2 16.6 25.0

108 18.5 15.1 22.7

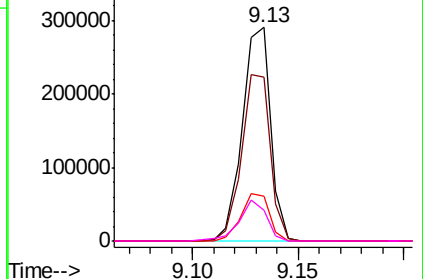
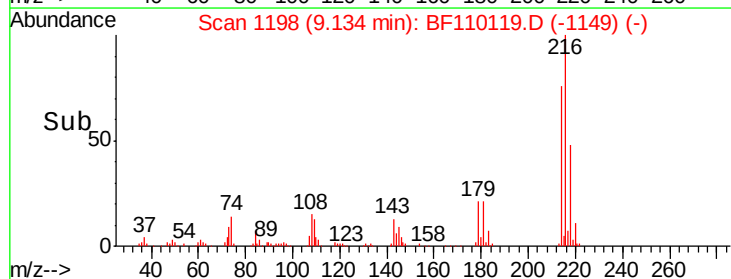


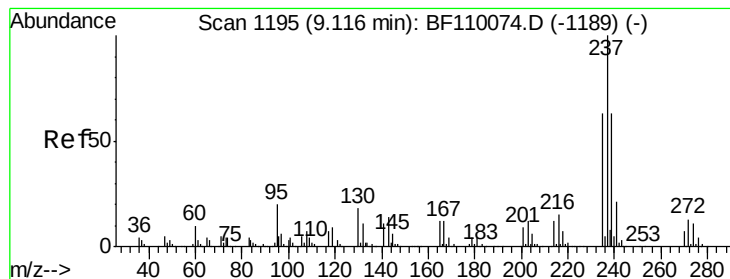
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 21.334 ng

RT: 9.11 min Scan# 1194

Delta R.T. -0.02 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

Instrument :

BNA_F

ClientSampleId :

RAV-GT104MSD

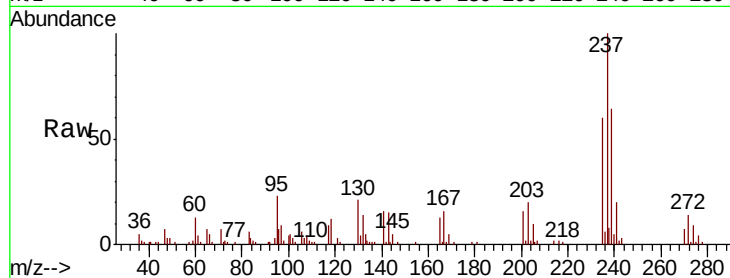
Tot Ion:237 Resp: 62425

Ion Ratio Lower Upper

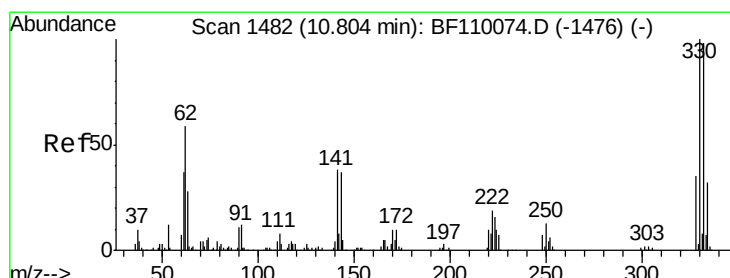
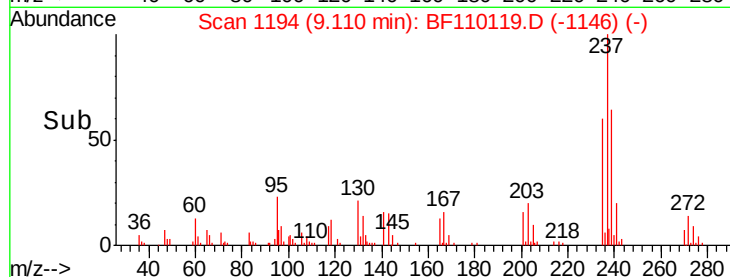
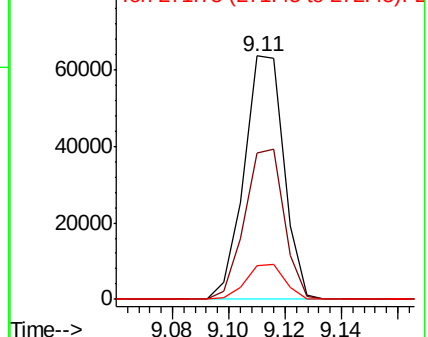
237 100

235 60.1 43.1 83.1

272 13.6 0.0 32.6



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



#42

2,4,6-Tribromophenol

Concen: 102.667 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

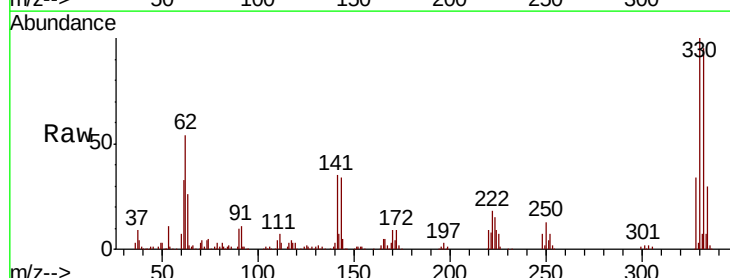
Tgt Ion:330 Resp: 186776

Ion Ratio Lower Upper

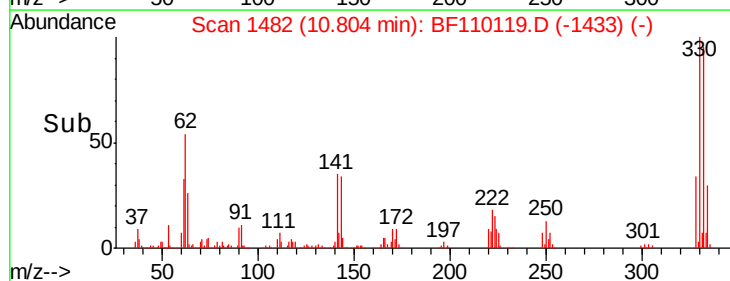
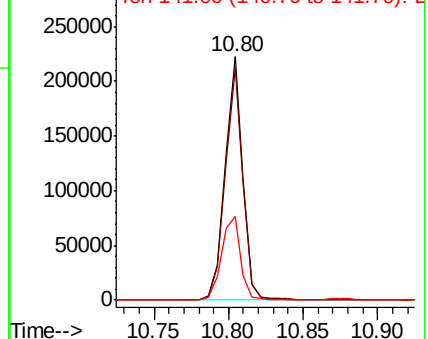
330 100

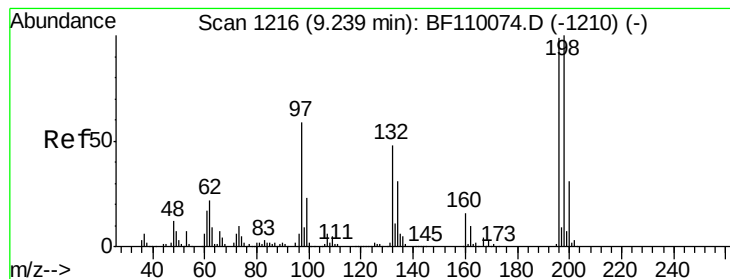
332 95.8 77.1 115.7

141 36.9 27.0 40.4



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





#43

2,4,6-Trichlorophenol

Concen: 45.535 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

Instrument :

BNA_F

ClientSampleId :

RAV-GT104MSD

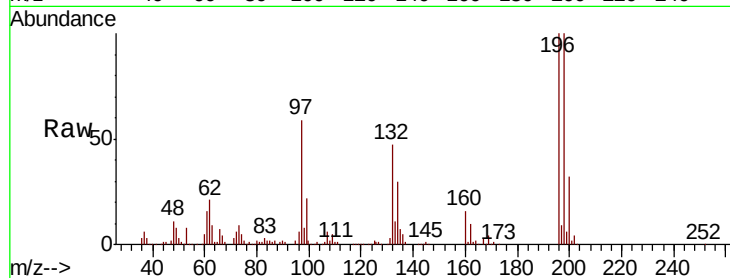
Tot Ion:196 Resp: 168063

Ion Ratio Lower Upper

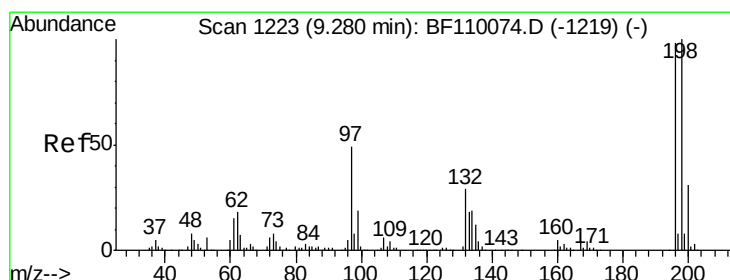
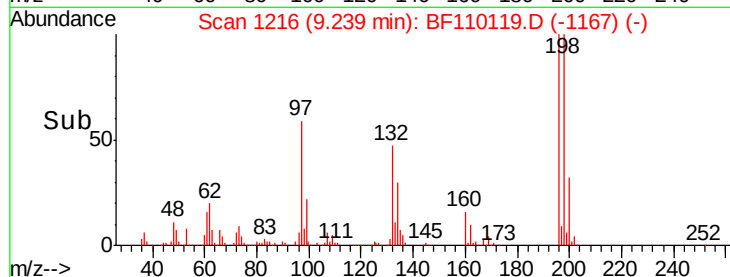
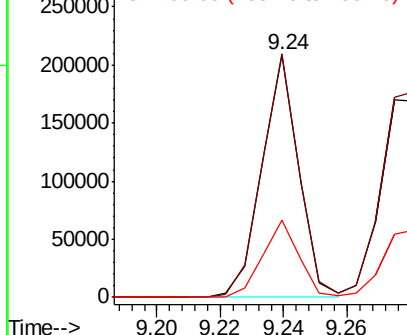
196 100

198 100.3 76.2 114.4

200 32.0 24.4 36.6



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



#44

2,4,5-Trichlorophenol

Concen: 44.898 ng

RT: 9.27 min Scan# 1222

Delta R.T. -0.02 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

Tgt Ion:196 Resp: 175164

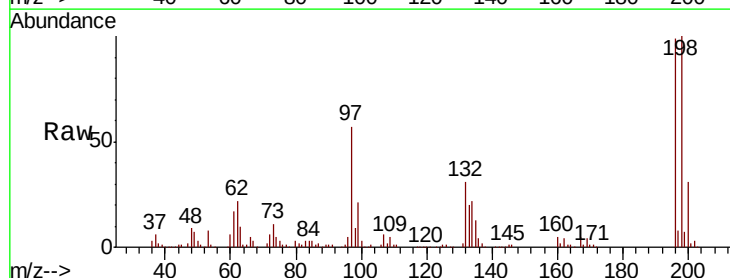
Ion Ratio Lower Upper

196 100

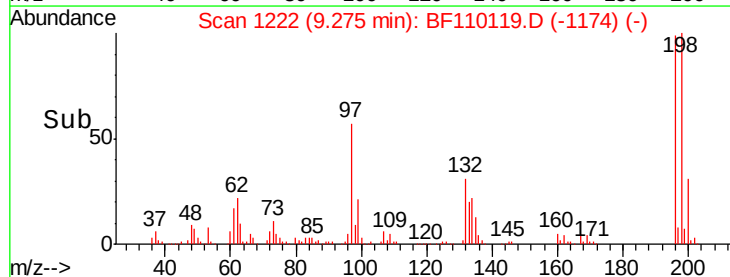
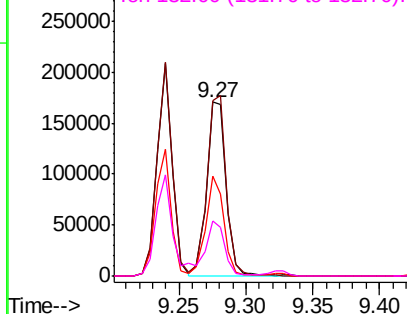
198 101.3 75.8 113.6

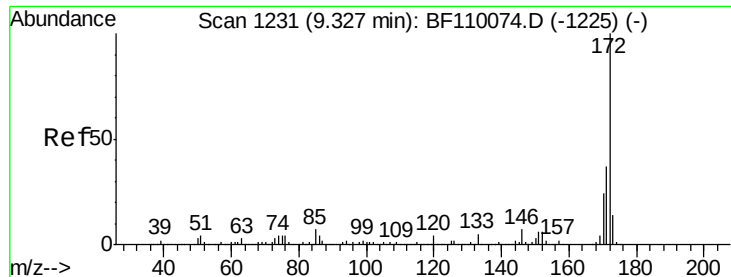
97 57.8 42.4 63.6

132 31.5 22.8 34.2



Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BF1
Ion 132.00 (131.70 to 132.70): E

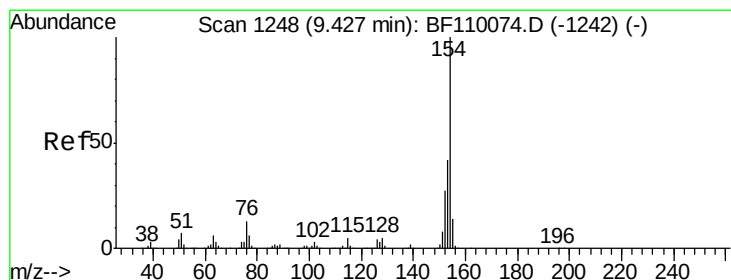
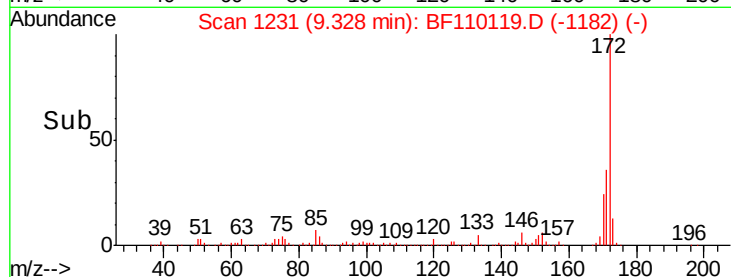
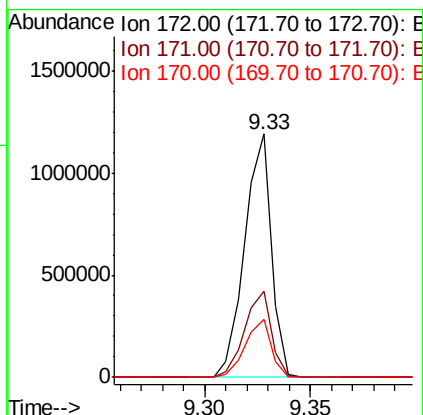
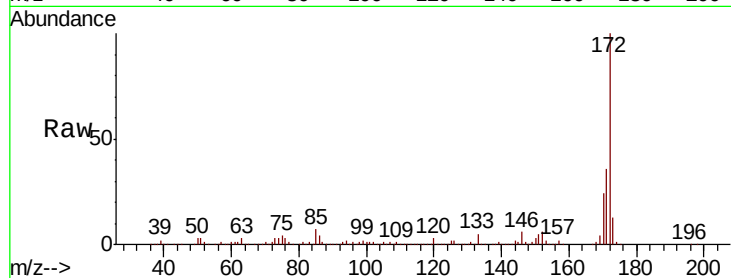




#45
2-Fluorobiphenyl
Concen: 89.426 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

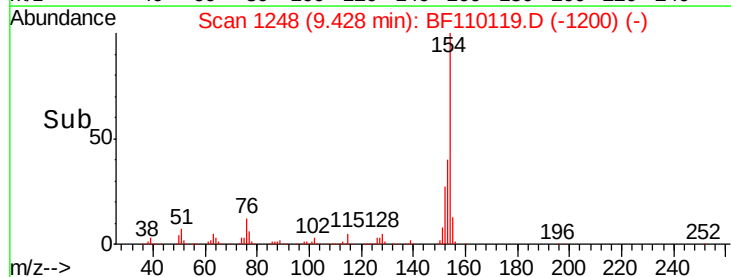
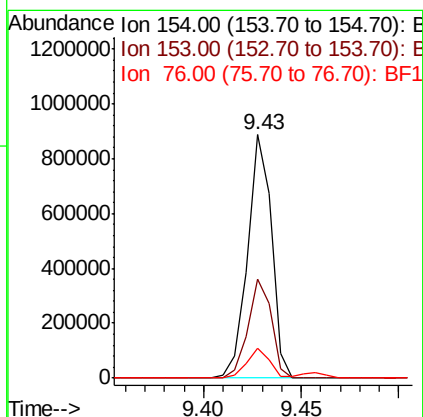
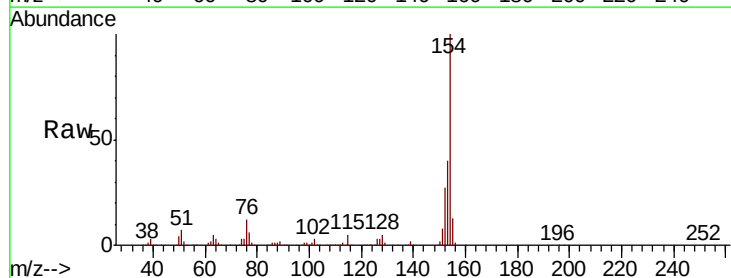
Instrument :
BNA_F
ClientSampleId :
RAV-GT104MSD

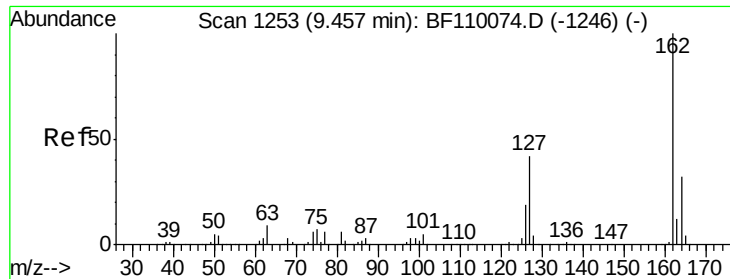
Tot Ion:172 Resp: 1045921
Ion Ratio Lower Upper
172 100
171 35.6 28.6 43.0
170 23.7 19.7 29.5



#46
1,1'-Biphenyl
Concen: 45.206 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

Tgt Ion:154 Resp: 750777
Ion Ratio Lower Upper
154 100
153 40.4 20.4 60.4
76 12.2 0.0 31.9

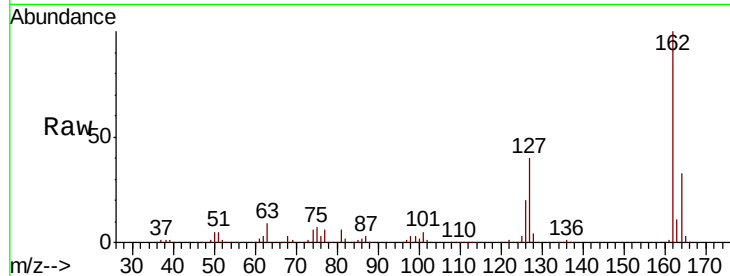




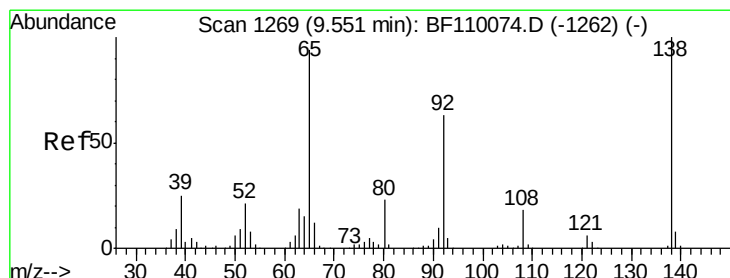
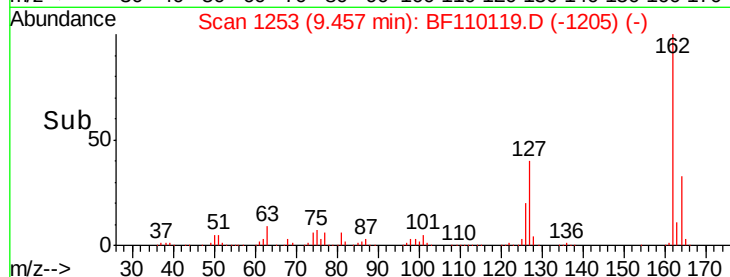
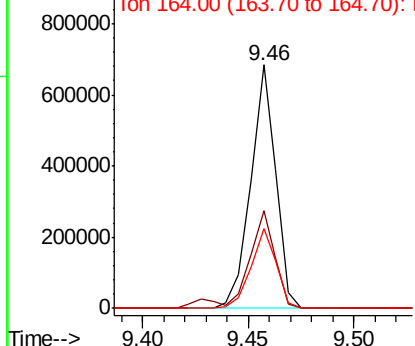
#47
 2-Chloronaphthalene
 Concen: 46.126 ng
 RT: 9.46 min Scan# 1253
 Delta R.T. -0.02 min
 Lab File: BF110119.D
 Acq: 24 Oct 2018 17:09

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT104MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	40.0	32.6	48.8
164	32.7	25.9	38.9

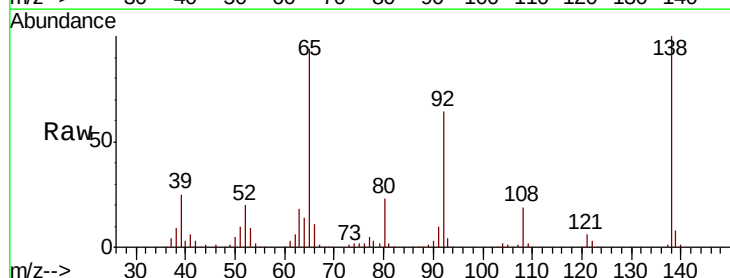


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

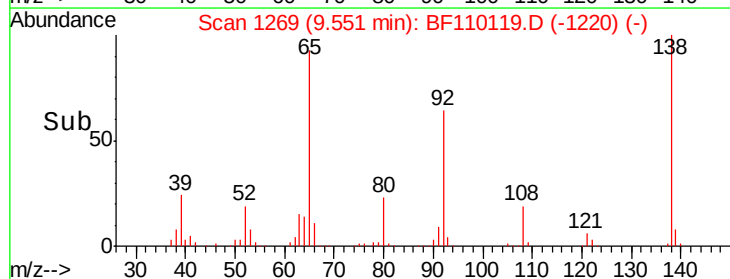
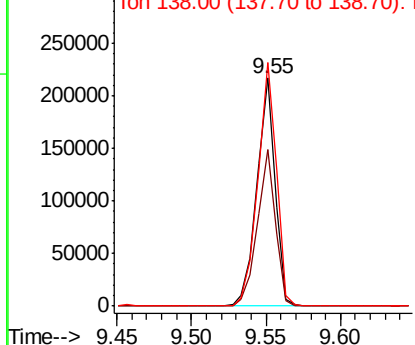


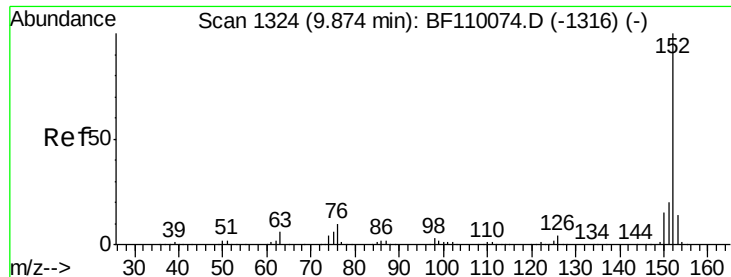
#48
 2-Nitroaniline
 Concen: 49.036 ng
 RT: 9.55 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: BF110119.D
 Acq: 24 Oct 2018 17:09

Tgt Ion	Ratio	Lower	Upper
65	100		
92	68.7	54.6	81.8
138	106.9	80.3	120.5



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





#49

Acenaphthylene

Concen: 47.875 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

Instrument :

BNA_F

ClientSampleId :

RAV-GT104MSD

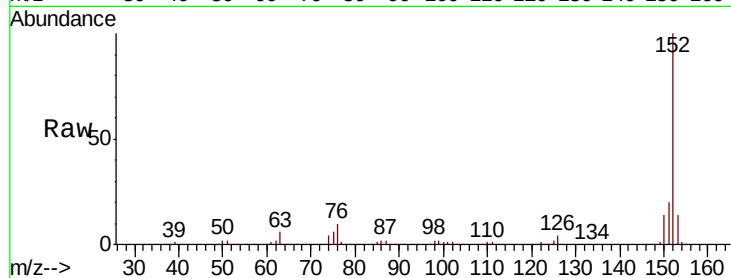
Tot Ion:152 Resp: 842394

Ion Ratio Lower Upper

152 100

151 20.0 15.8 23.8

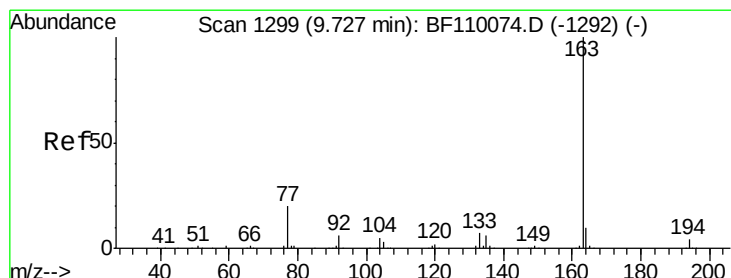
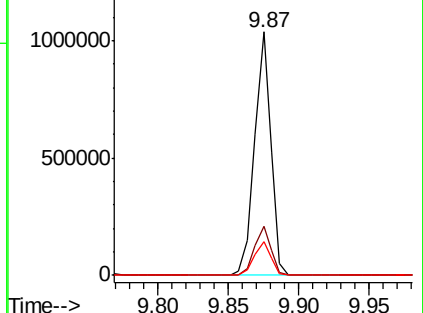
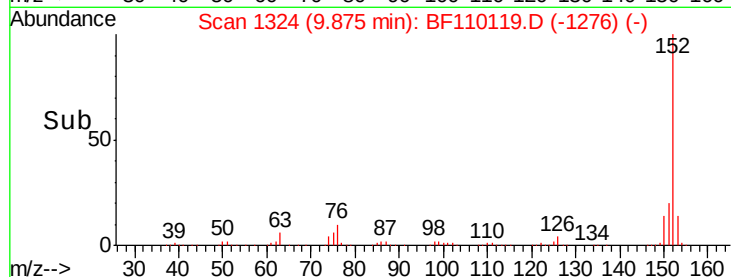
153 13.8 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 50.192 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

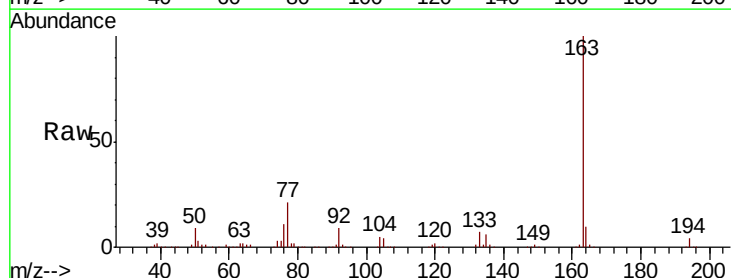
Tgt Ion:163 Resp: 680452

Ion Ratio Lower Upper

163 100

194 3.6 3.2 4.8

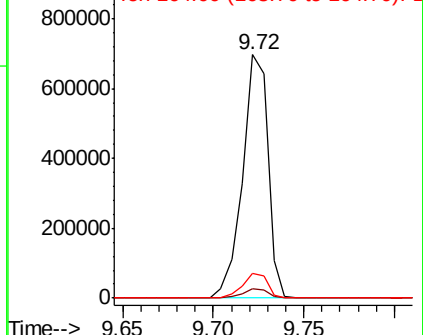
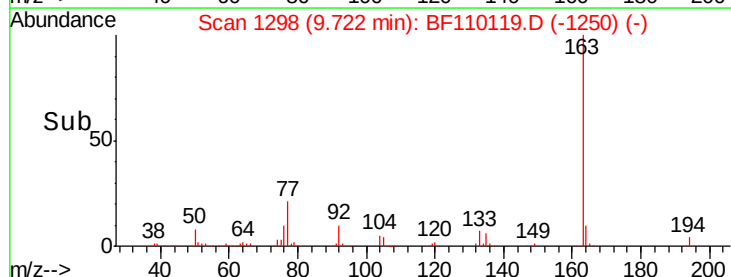
164 10.2 8.1 12.1

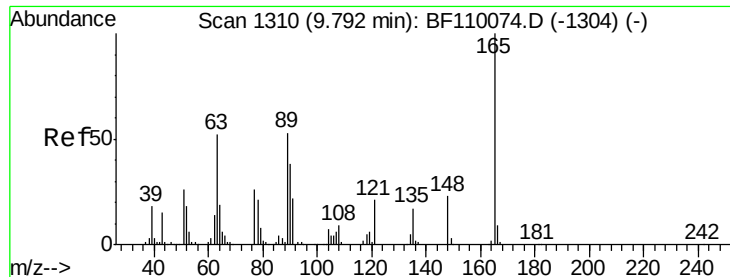


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 43.341 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

Instrument :

BNA_F

ClientSampleId :

RAV-GT104MSD

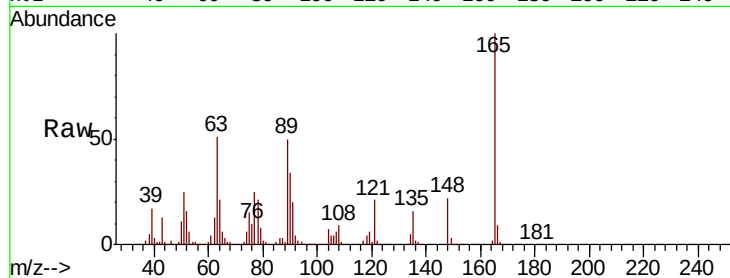
Tot Ion:165 Resp: 126567

Ion Ratio Lower Upper

165 100

63 50.6 48.9 73.3

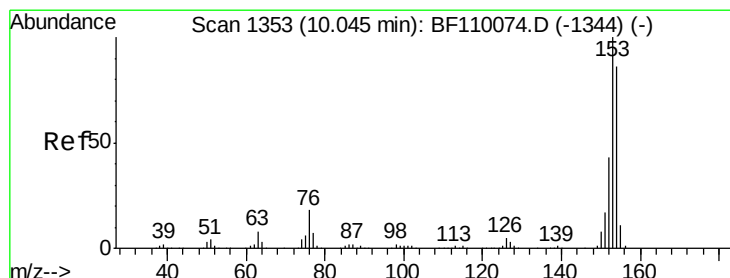
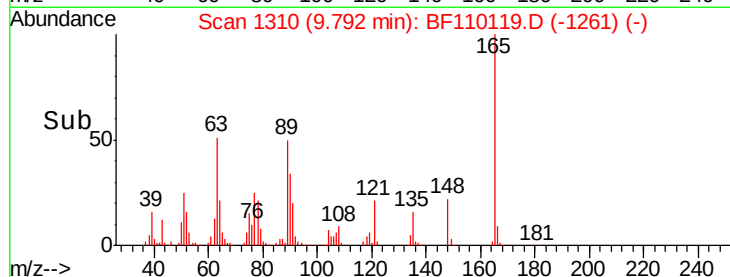
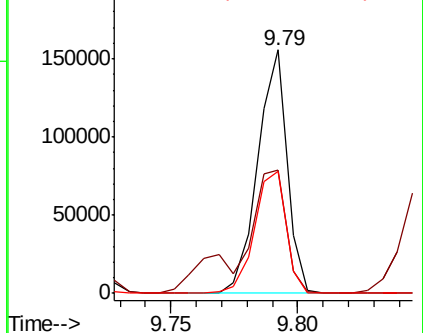
89 50.1 46.6 69.8



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 44.429 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.02 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

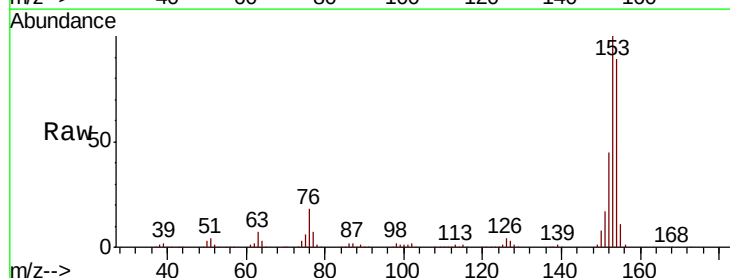
Tgt Ion:154 Resp: 517168

Ion Ratio Lower Upper

154 100

153 112.6 90.1 135.1

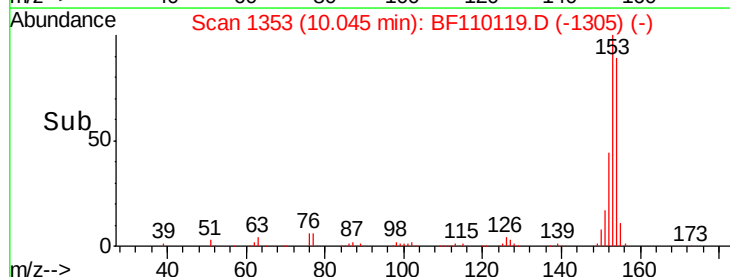
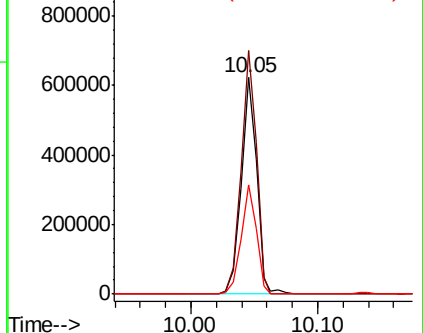
152 50.5 43.4 65.2

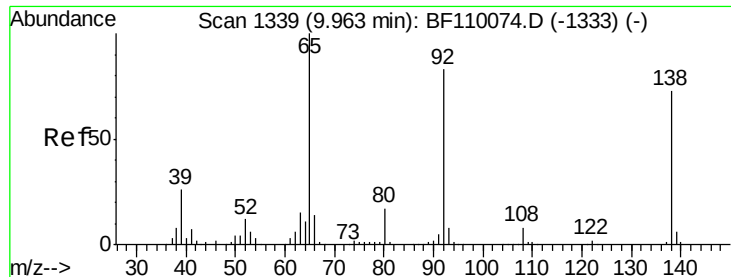


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

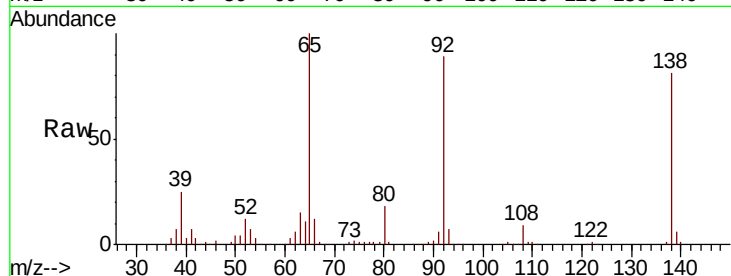




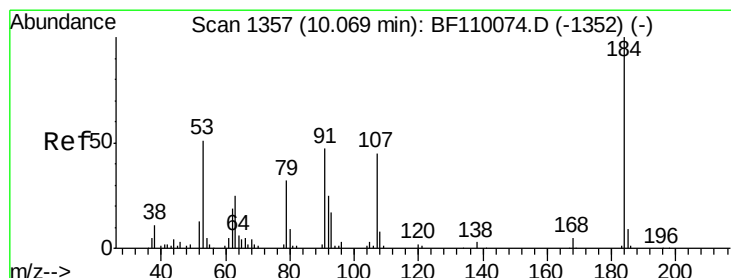
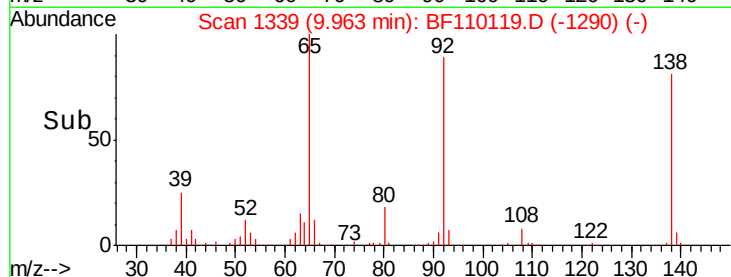
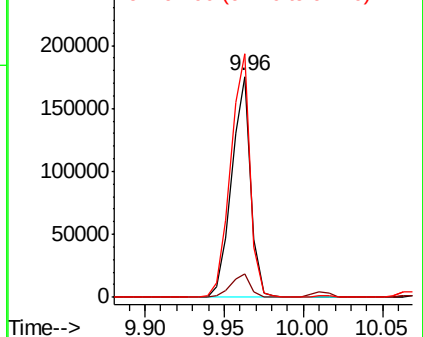
#53
3-Nitroaniline
Concen: 42.175 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MSD

Tot Ion:138 Resp: 146461
Ion Ratio Lower Upper
138 100
108 10.6 8.7 13.1
92 110.3 97.0 145.4

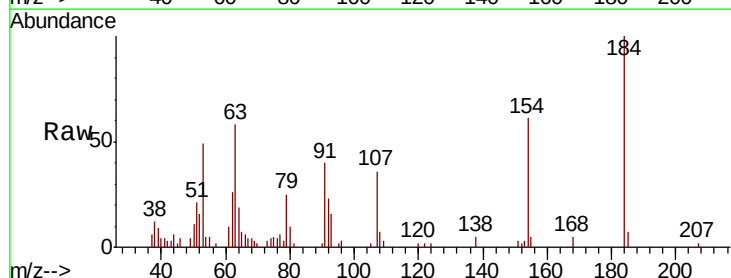


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

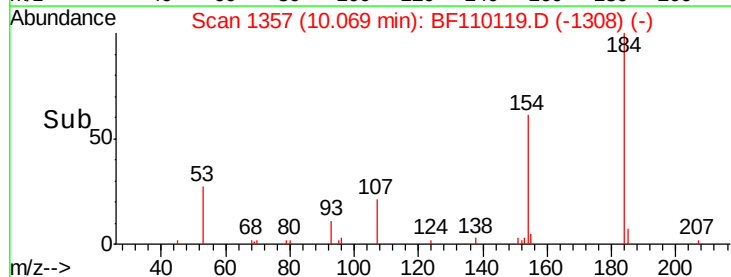
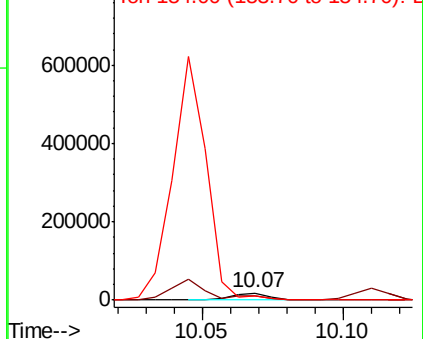


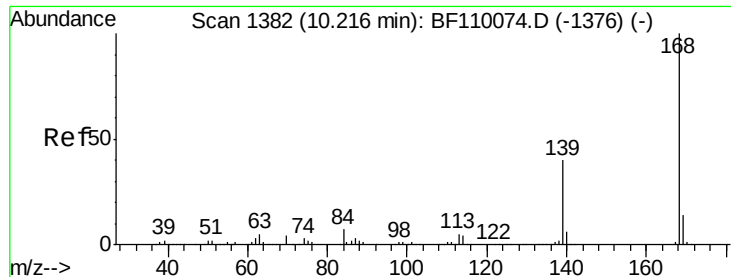
#54
2,4-Dinitrophenol
Concen: 17.308 ng
RT: 10.07 min Scan# 1357
Delta R.T. -0.01 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

Tgt Ion:184 Resp: 15034
Ion Ratio Lower Upper
184 100
63 58.2 55.8 83.6
154 61.1 63.2 94.8#



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

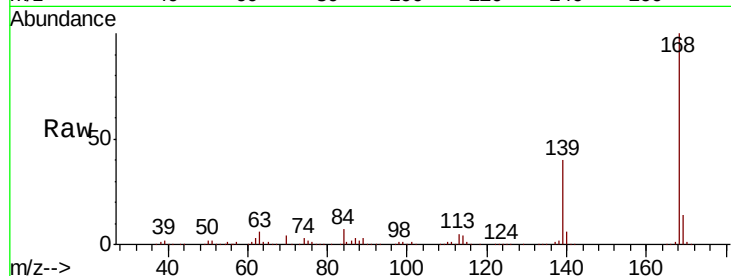




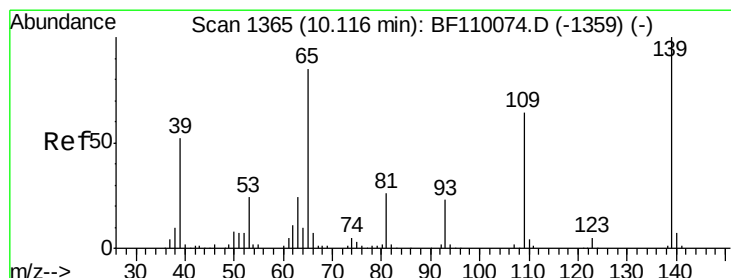
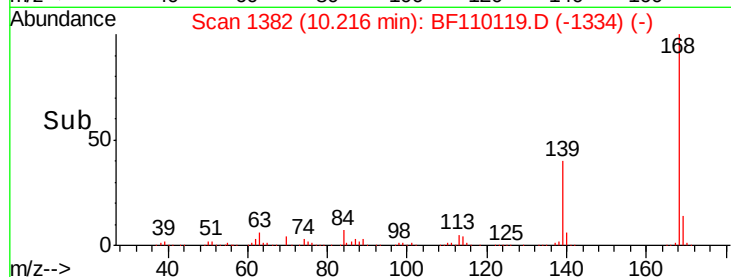
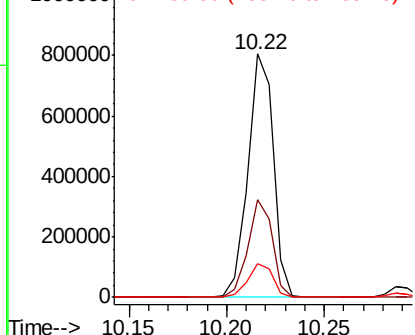
#55
Dibenzenofuran
Concen: 44.579 ng
RT: 10.22 min Scan# 1382
Delta R.T. -0.02 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MSD

Tot Ion:168 Resp: 726523
Ion Ratio Lower Upper
168 100
139 40.0 33.0 49.6
169 13.6 11.3 16.9

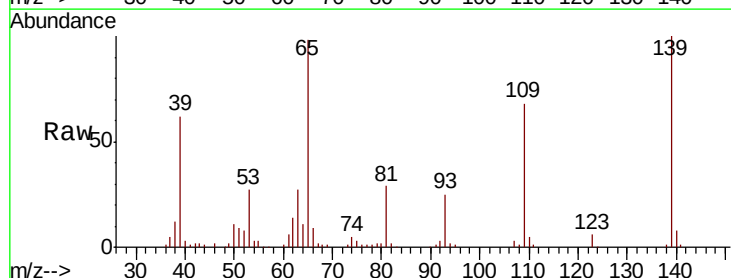


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

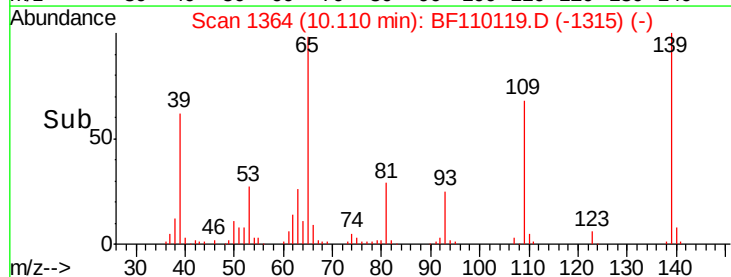
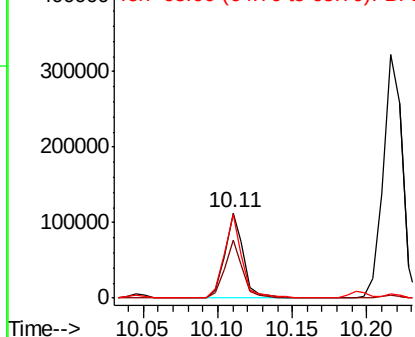


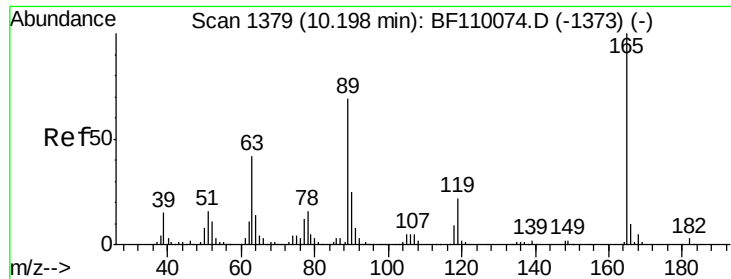
#56
4-Nitrophenol
Concen: 38.829 ng
RT: 10.11 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

Tgt Ion:139 Resp: 99800
Ion Ratio Lower Upper
139 100
109 68.3 55.8 95.8
65 97.7 77.9 117.9



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

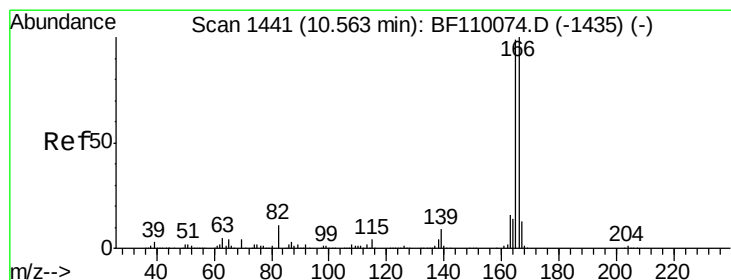
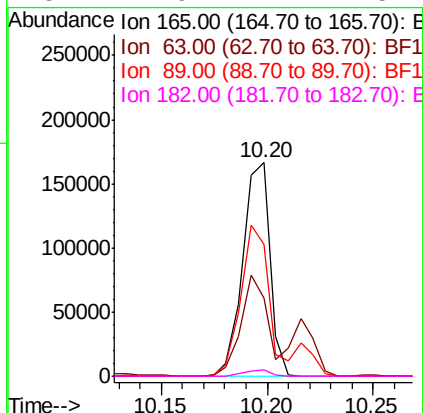
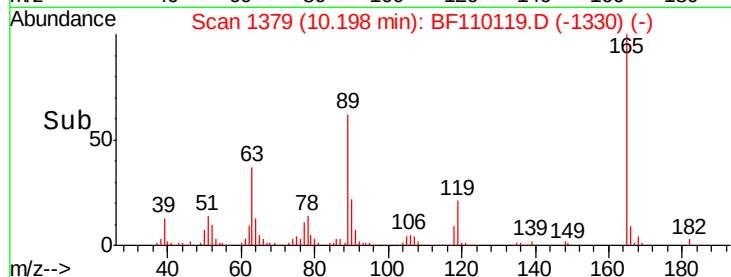
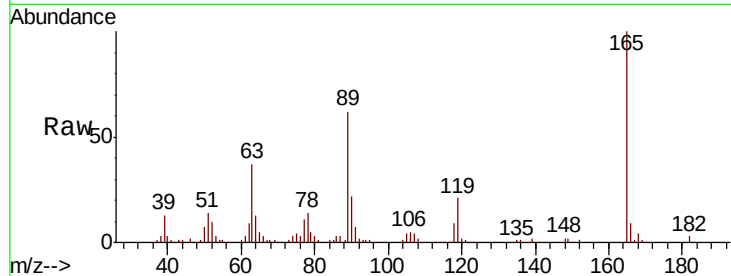




#57
2,4-Dinitrotoluene
Concen: 40.244 ng
RT: 10.20 min Scan# 1379
Delta R.T. -0.01 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

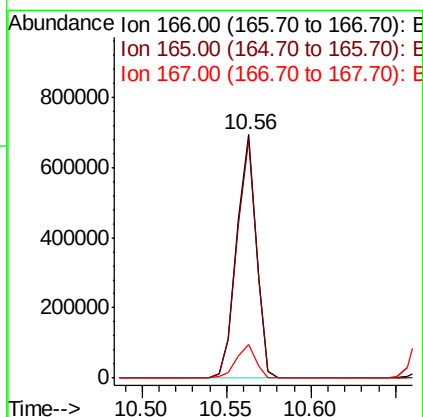
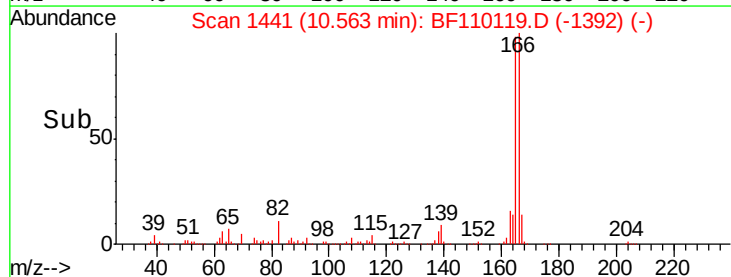
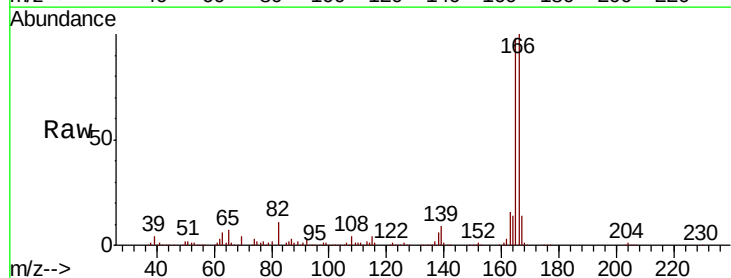
Instrument :
BNA_F
ClientSampleId :
RAV-GT104MSD

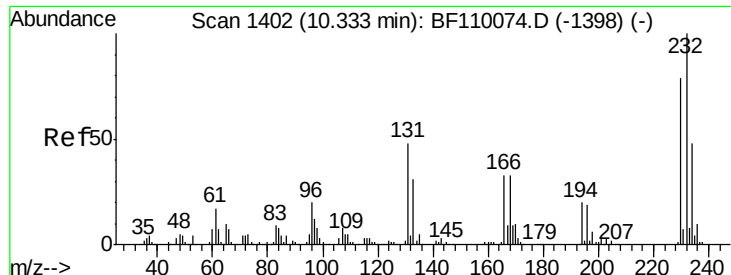
Tot Ion	Ratio	Lower	Upper
165	100		
63	36.6	44.8	67.2#
89	61.7	62.2	93.4#
182	2.9	2.1	3.1



#58
Fluorene
Concen: 45.909 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.6	117.8
167	13.6	10.8	16.2

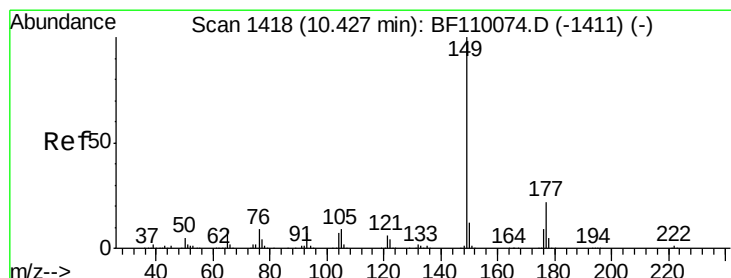
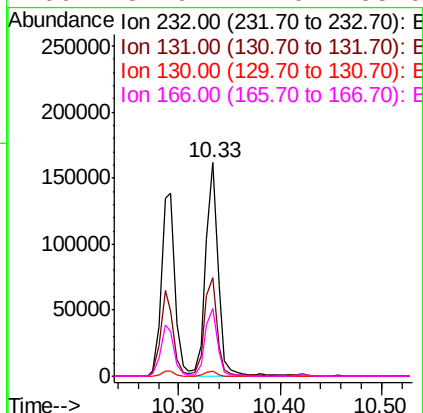
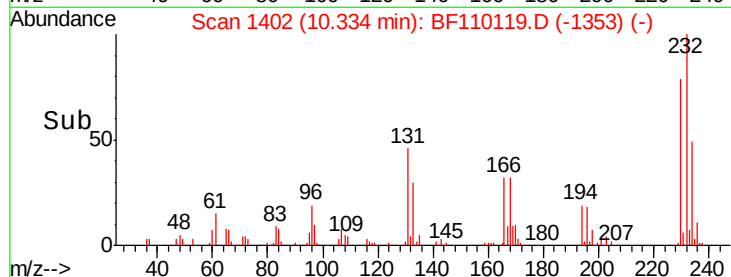
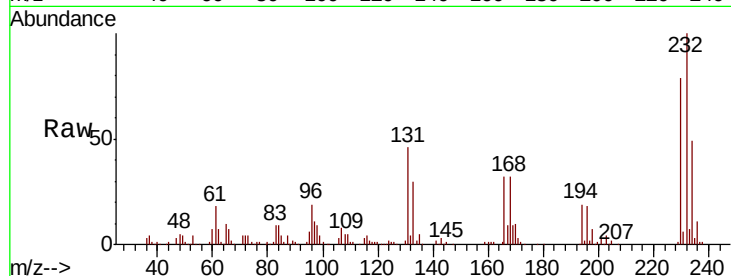




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.813 ng
RT: 10.33 min Scan# 1402
Delta R.T. -0.01 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

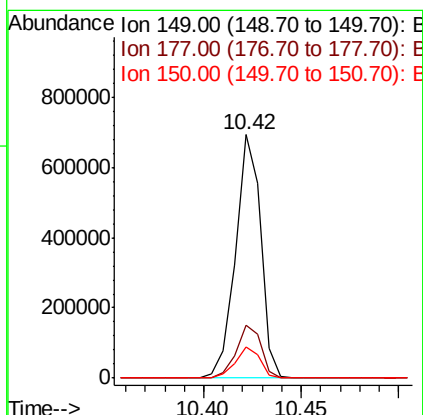
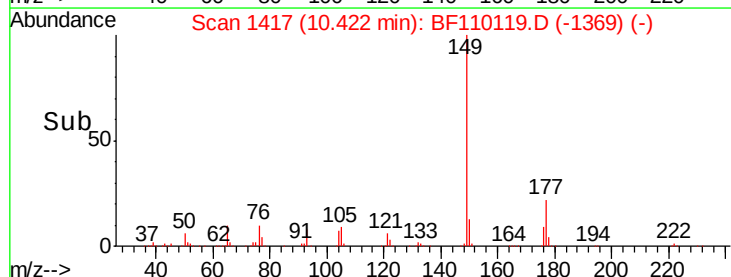
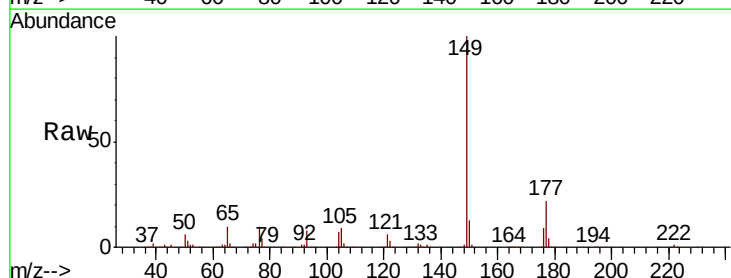
Instrument :
BNA_F
ClientSampleId :
RAV-GT104MSD

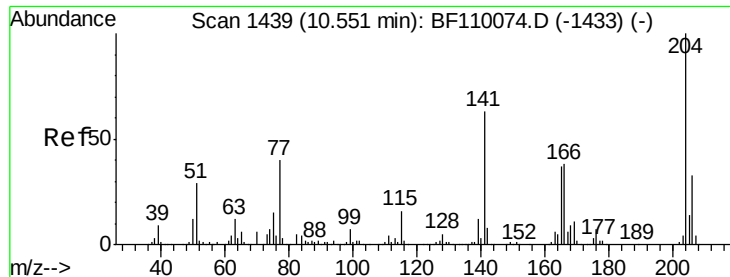
Tot Ion:232 Resp: 139324
Ion Ratio Lower Upper
232 100
131 47.2 37.0 55.4
130 2.3 1.8 2.6
166 31.9 22.0 33.0



#60
Diethylphthalate
Concen: 46.692 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.02 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

Tgt Ion:149 Resp: 617915
Ion Ratio Lower Upper
149 100
177 21.9 17.4 26.2
150 12.6 9.8 14.8

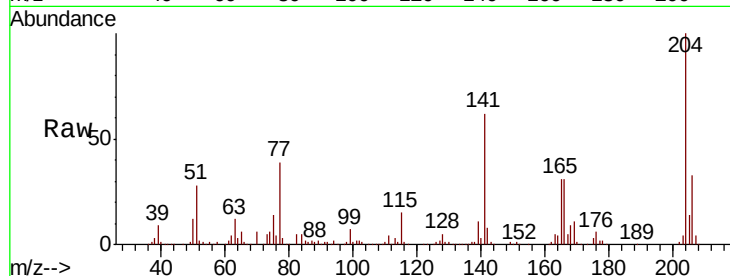




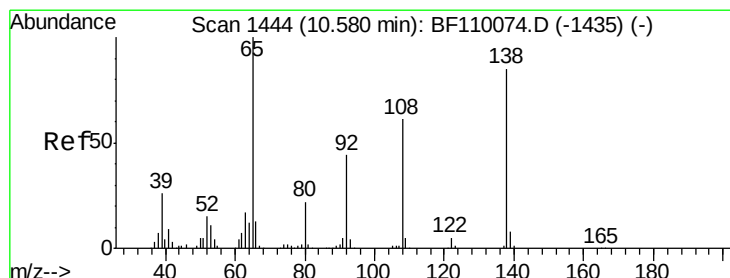
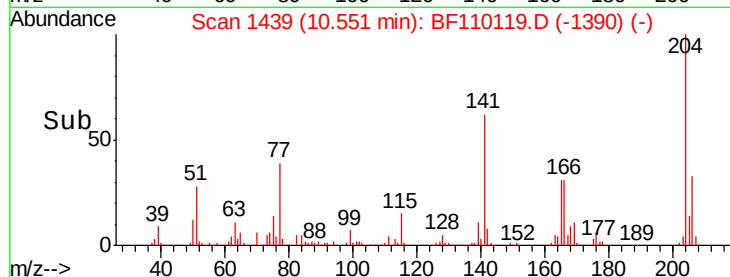
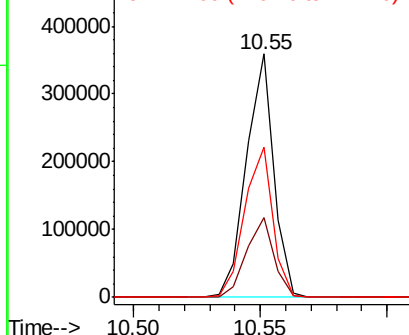
#61
4-Chlorophenyl-phenylether
Concen: 42.112 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MSD

Tot Ion:204 Resp: 269462
Ion Ratio Lower Upper
204 100
206 32.9 26.5 39.7
141 61.9 51.8 77.8

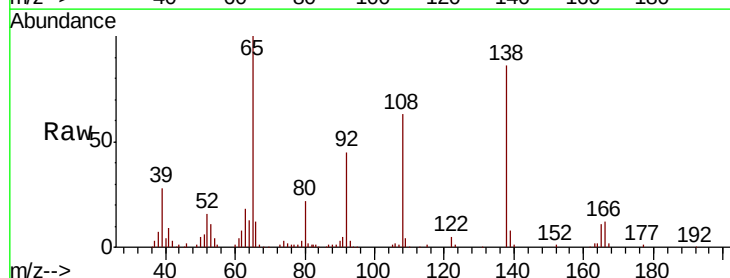


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

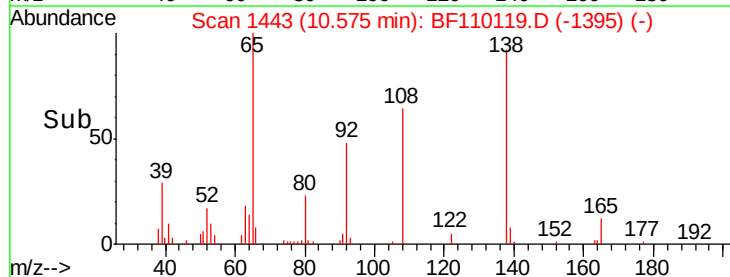
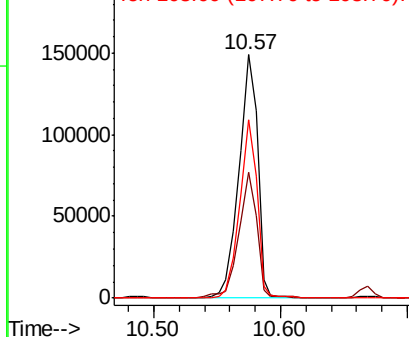


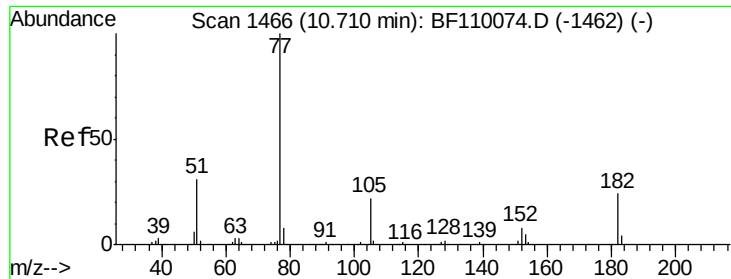
#62
4-Nitroaniline
Concen: 43.856 ng
RT: 10.57 min Scan# 1443
Delta R.T. -0.02 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

Tgt Ion:138 Resp: 151477
Ion Ratio Lower Upper
138 100
92 52.0 31.7 71.7
108 73.2 59.3 99.3



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

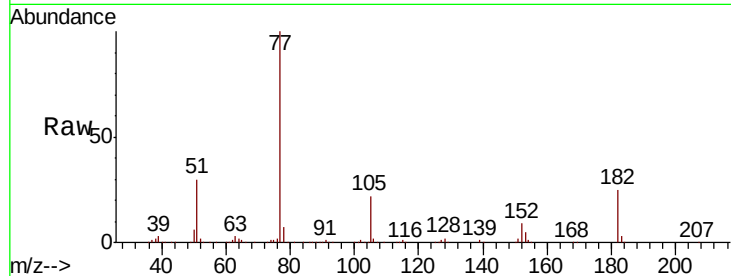




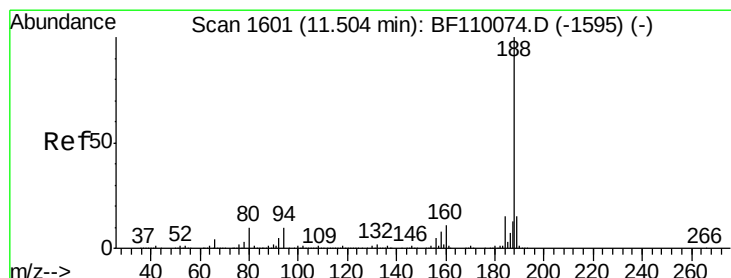
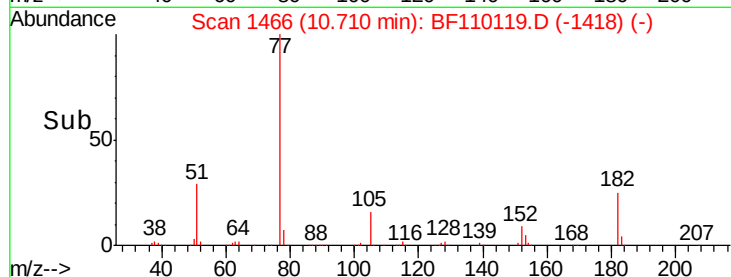
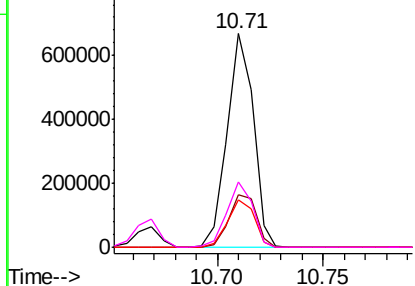
#63
Azobenzene
Concen: 43.711 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.02 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MSD

Tot Ion:	77	Resp:	574188
Ion	Ratio	Lower	Upper
77	100		
182	24.7	4.3	44.3
105	22.2	1.3	41.3
51	30.3	9.0	49.0

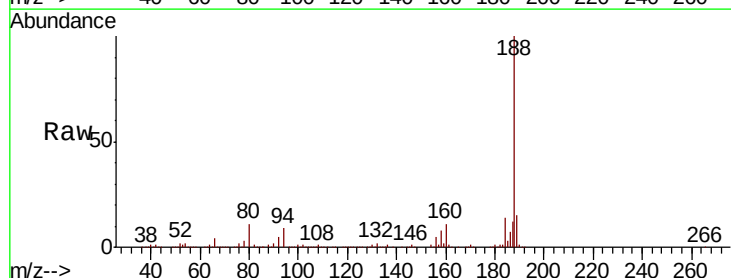


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

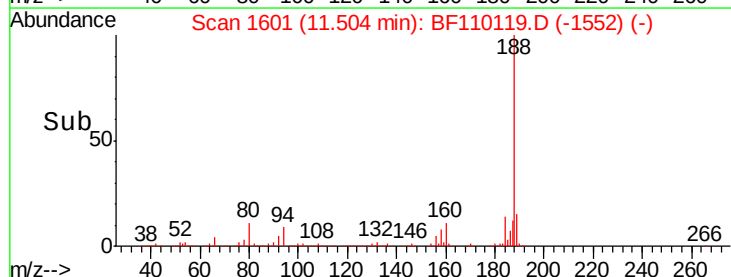
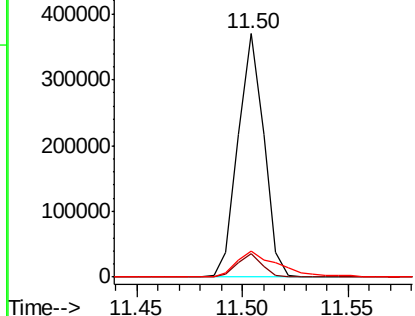


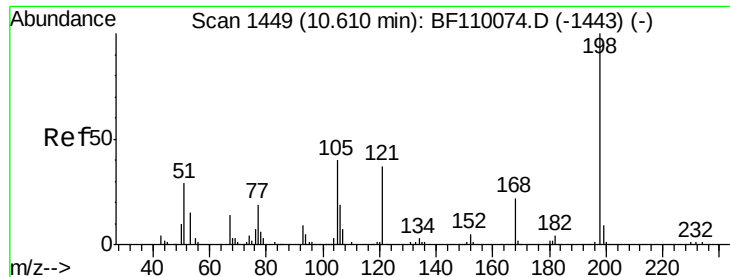
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

Tgt Ion:	188	Resp:	312502
Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.2	10.8
80	10.7	7.9	11.9



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

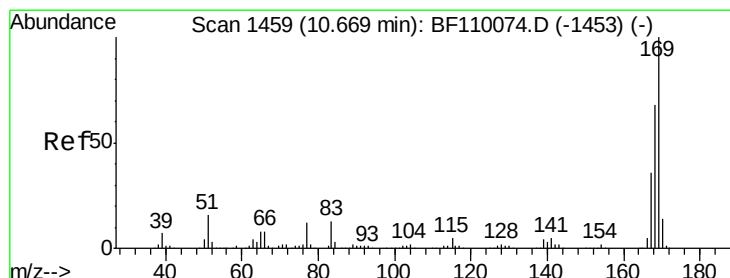
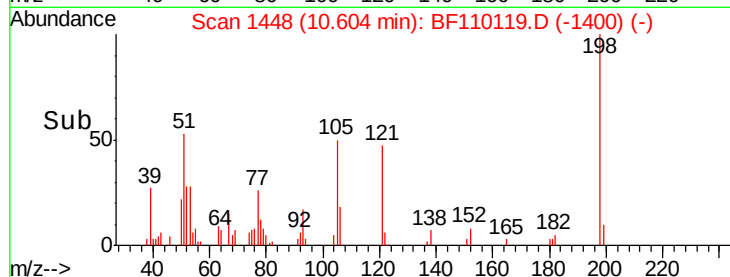
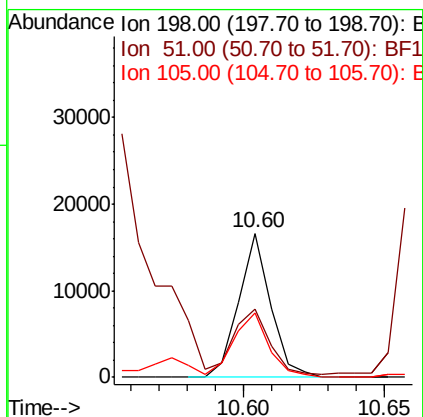
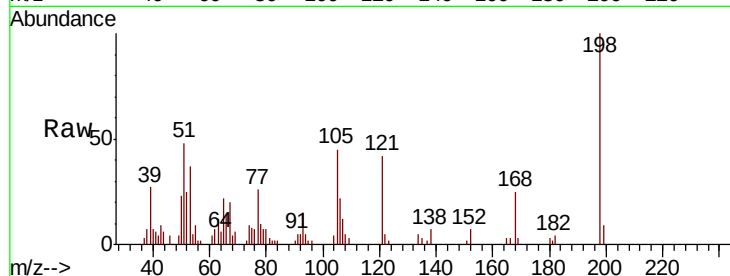




#65
4,6-Dinitro-2-methylphenol
Concen: 9.107 ng
RT: 10.60 min Scan# 1448
Delta R.T. -0.02 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

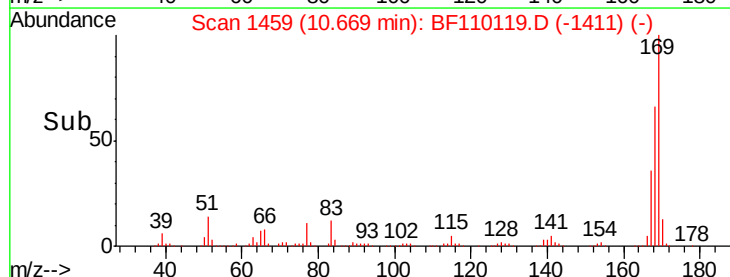
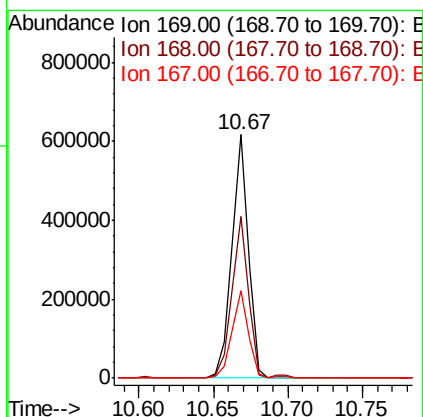
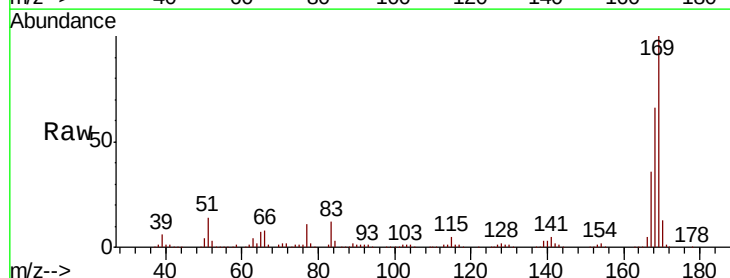
Instrument :
BNA_F
ClientSampleId :
RAV-GT104MSD

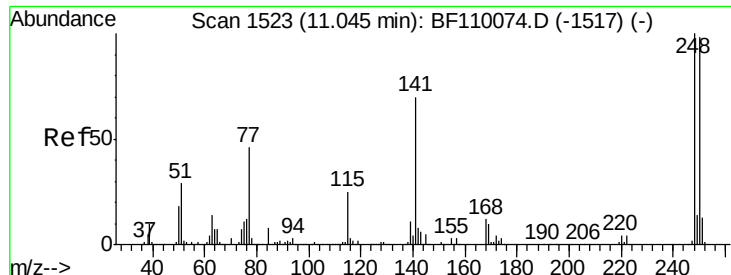
Tot Ion:198 Resp: 13002
Ion Ratio Lower Upper
198 100
51 47.6 22.8 62.8
105 45.1 23.6 63.6



#66
n-Nitrosodiphenylamine
Concen: 48.040 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.02 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

Tgt Ion:169 Resp: 492418
Ion Ratio Lower Upper
169 100
168 66.5 51.2 76.8
167 36.0 27.8 41.6

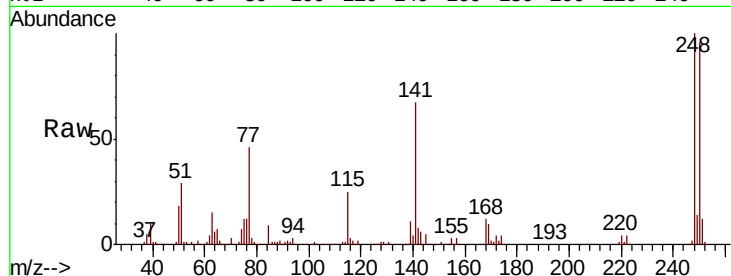




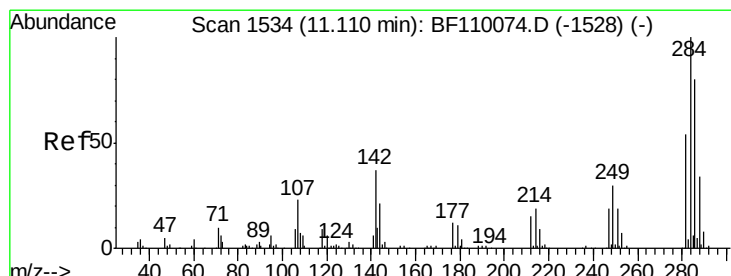
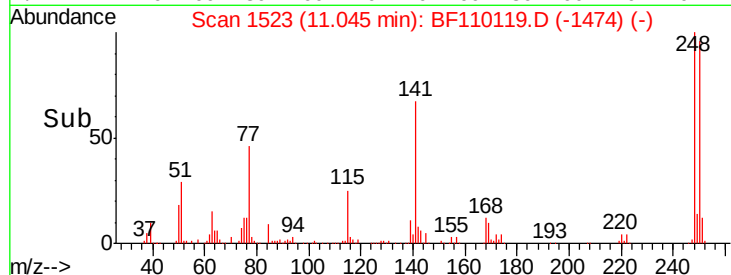
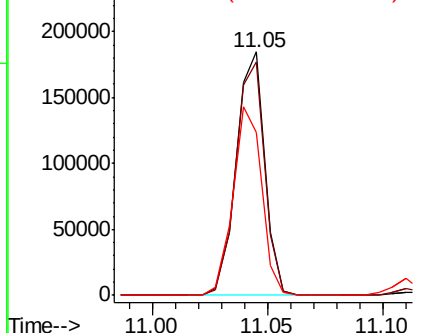
#67
 4-Bromophenyl-phenylether
 Concen: 46.883 ng
 RT: 11.05 min Scan# 1523
 Delta R.T. -0.01 min
 Lab File: BF110119.D
 Acq: 24 Oct 2018 17:09

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT104MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	95.9	79.4	119.2
141	67.1	55.9	83.9

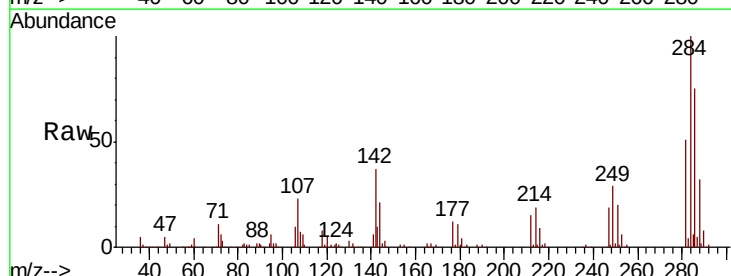


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

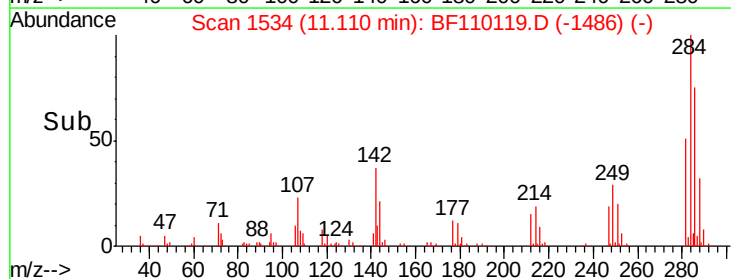
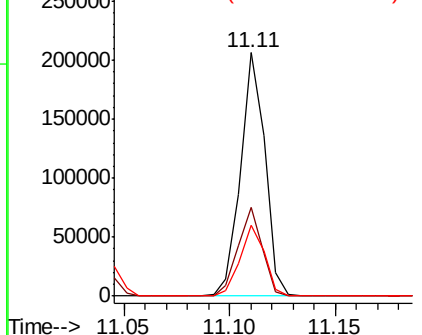


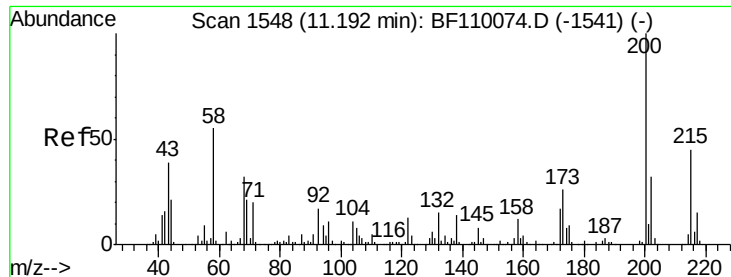
#68
 Hexachlorobenzene
 Concen: 45.733 ng
 RT: 11.11 min Scan# 1534
 Delta R.T. -0.02 min
 Lab File: BF110119.D
 Acq: 24 Oct 2018 17:09

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.6	23.9	35.9#
249	28.9	24.2	36.2



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

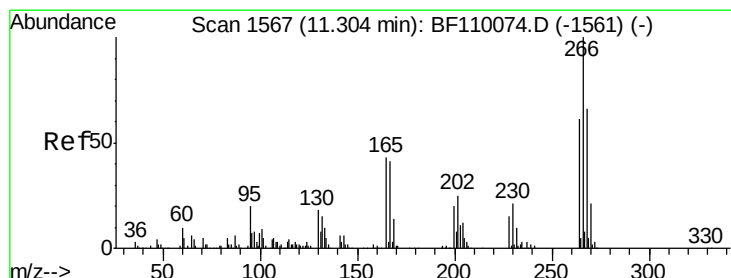
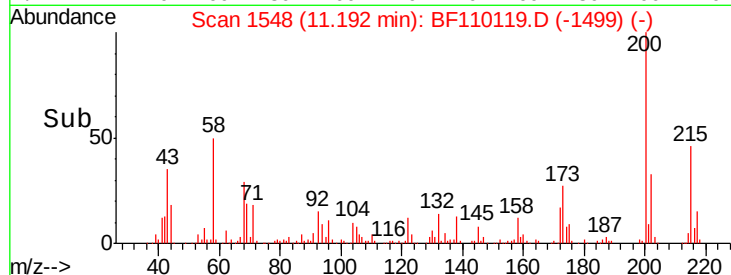
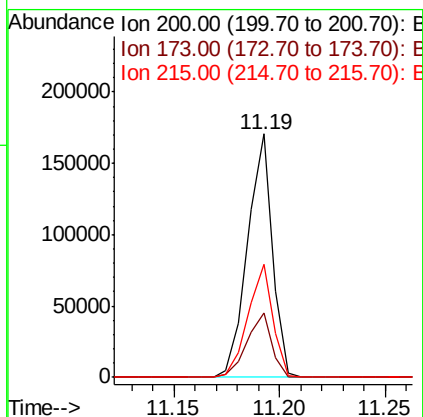
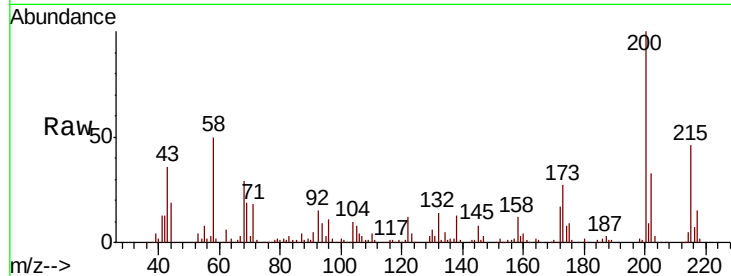




#69
 Atrazine
 Concen: 43.127 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.01 min
 Lab File: BF110119.D
 Acq: 24 Oct 2018 17:09

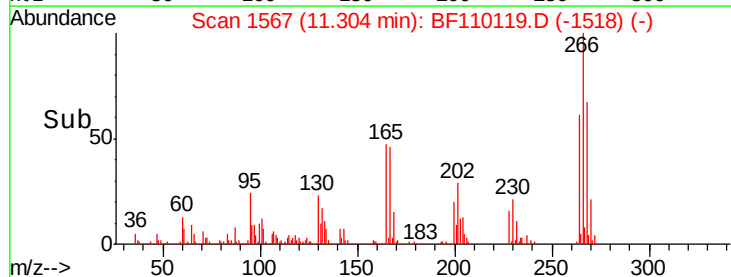
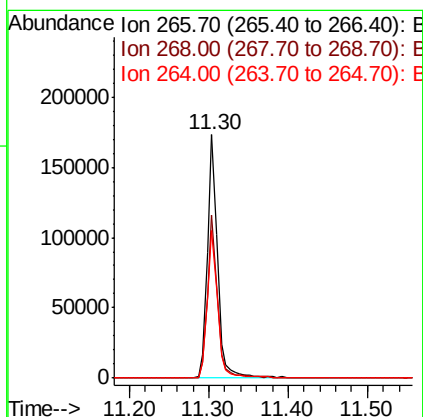
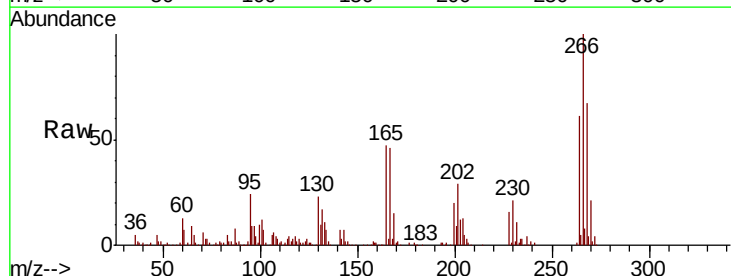
Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT104MSD

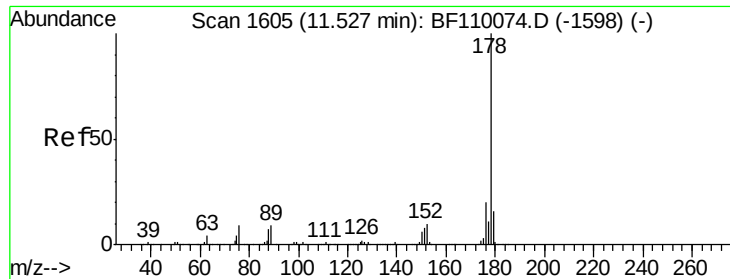
Tot Ion	Ratio	Lower	Upper
200	100		
173	26.6	6.6	46.6
215	46.5	26.3	66.3



#70
 Pentachlorophenol
 Concen: 75.052 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF110119.D
 Acq: 24 Oct 2018 17:09

Tgt Ion	Ratio	Lower	Upper
266	100		
268	66.7	50.6	75.8
264	60.8	50.6	75.8

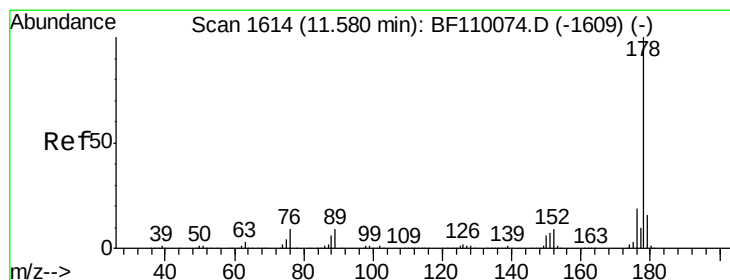
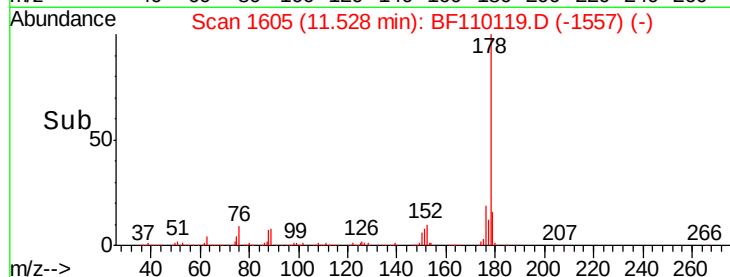
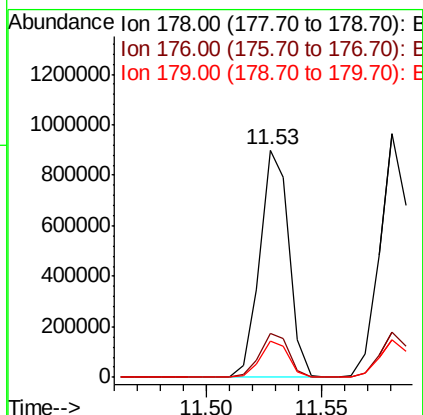
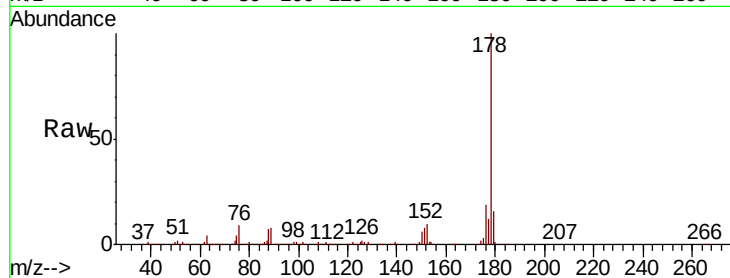




#71
Phenanthrene
Concen: 48.526 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.02 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

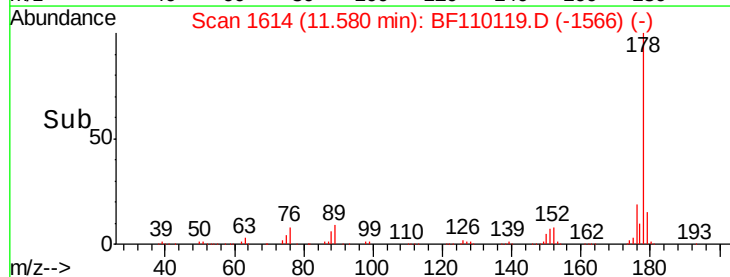
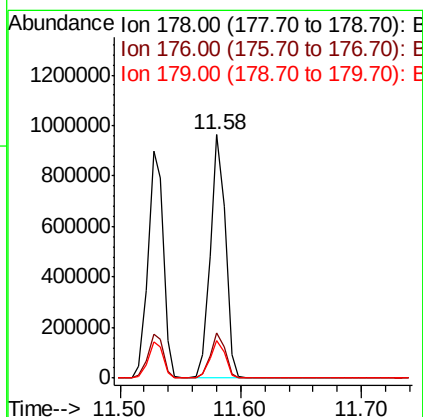
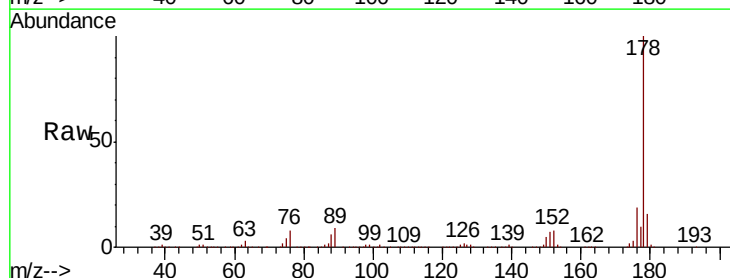
Instrument :
BNA_F
ClientSampleId :
RAV-GT104MSD

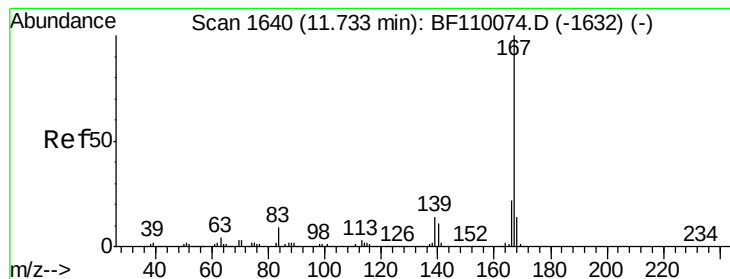
Tot Ion:178 Resp: 793479
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.9 12.5 18.7



#72
Anthracene
Concen: 50.358 ng
RT: 11.58 min Scan# 1614
Delta R.T. -0.02 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

Tgt Ion:178 Resp: 825352
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 15.7 12.6 18.8





#73

Carbazole

Concen: 46.167 ng

RT: 11.73 min Scan# 1640

Delta R.T. -0.01 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

Instrument :

BNA_F

ClientSampleId :

RAV-GT104MSD

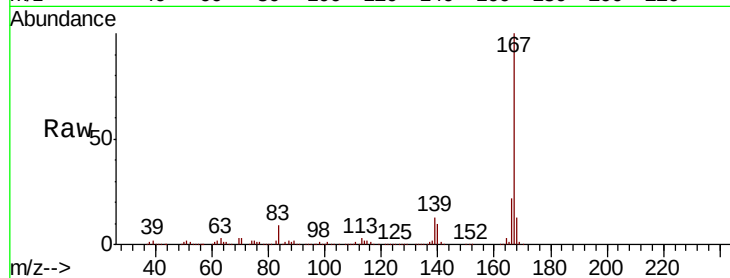
Tot Ion:167 Resp: 738810

Ion Ratio Lower Upper

167 100

166 21.6 17.4 26.0

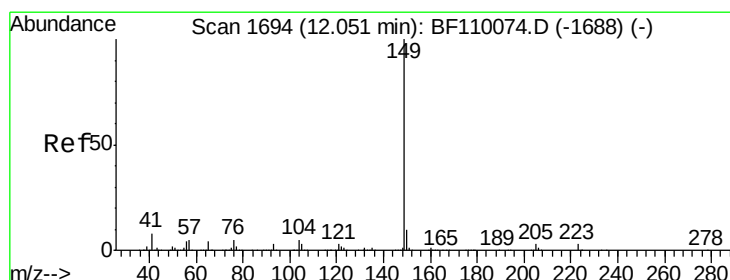
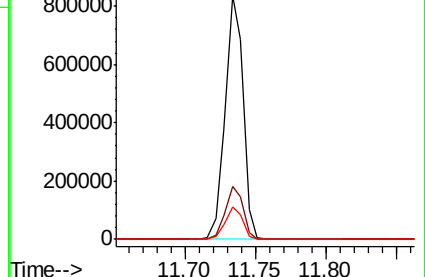
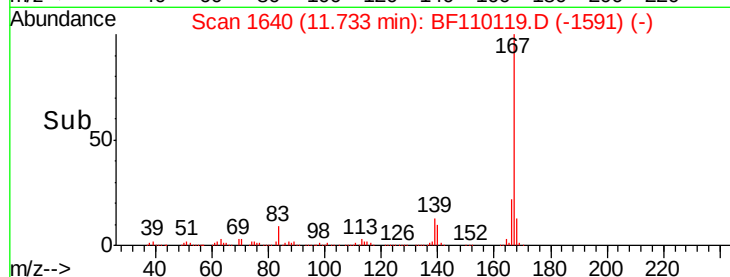
139 13.5 10.9 16.3



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



#74

Di-n-butylphthalate

Concen: 49.768 ng

RT: 12.05 min Scan# 1694

Delta R.T. -0.02 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

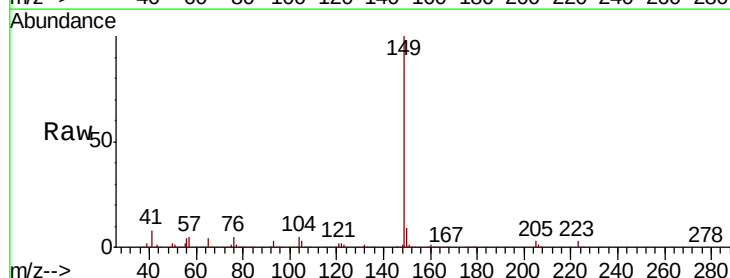
Tgt Ion:149 Resp: 899483

Ion Ratio Lower Upper

149 100

150 9.3 7.7 11.5

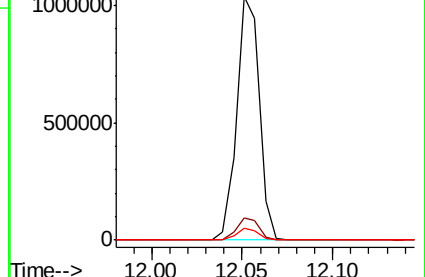
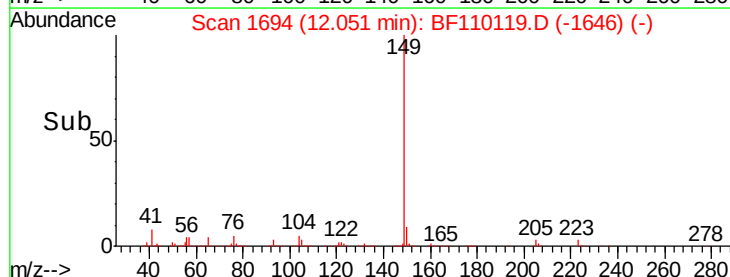
104 5.1 4.2 6.4

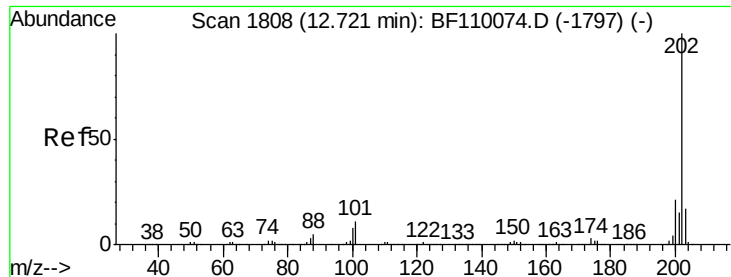


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 52.146 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

Instrument :

BNA_F

ClientSampleId :

RAV-GT104MSD

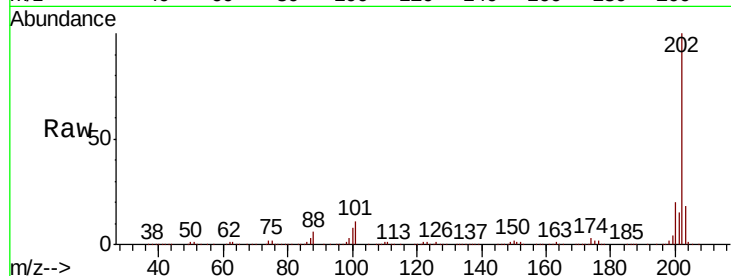
Tot Ion:202 Resp: 865362

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.4

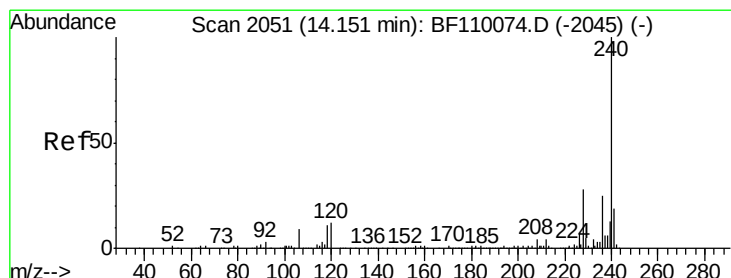
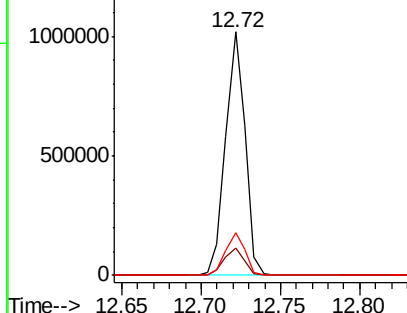
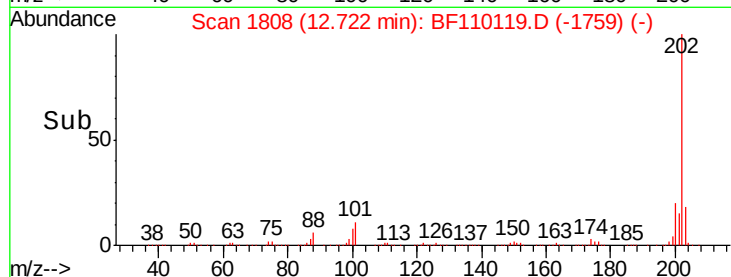
203 17.7 0.0 37.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

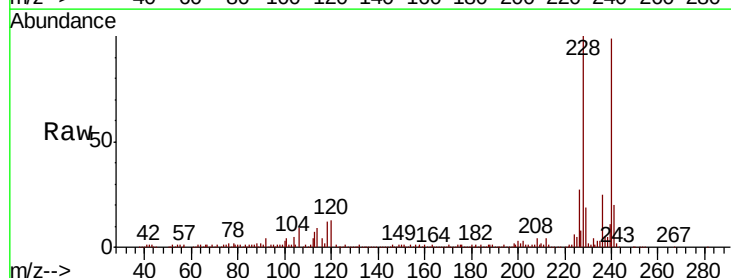
Tgt Ion:240 Resp: 273630

Ion Ratio Lower Upper

240 100

120 13.6 8.3 12.5#

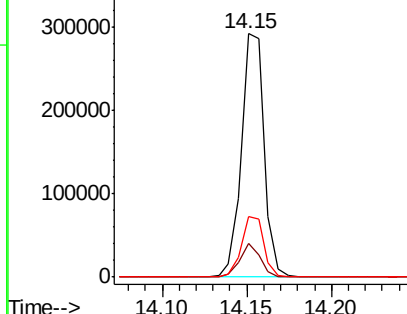
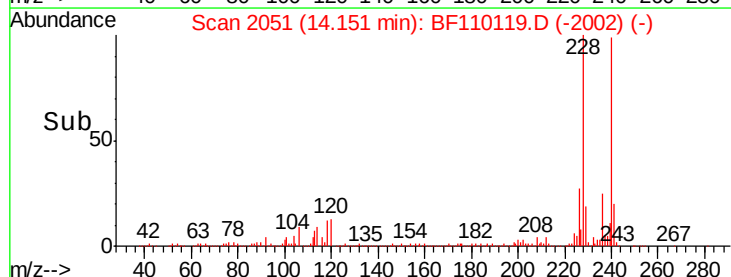
236 25.1 21.2 31.8

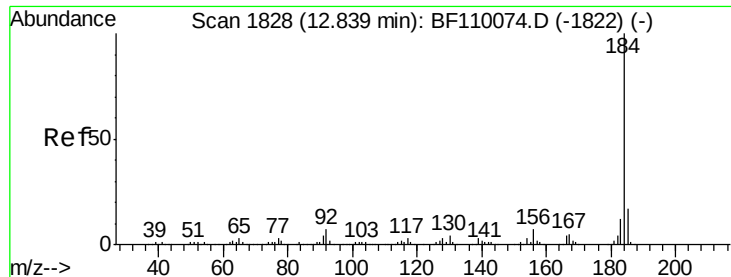


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

Instrument :

BNA_F

ClientSampleId :

RAV-GT104MSD

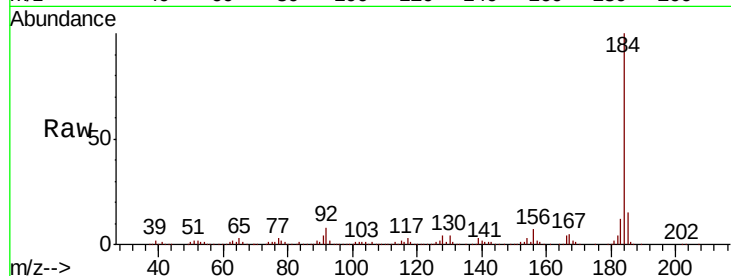
Tot Ion:184 Resp: 430015

Ion	Ratio	Lower	Upper
184	100		
185	14.6	13.4	20.2
183	11.6	9.4	14.2

184 100

185 14.6 13.4 20.2

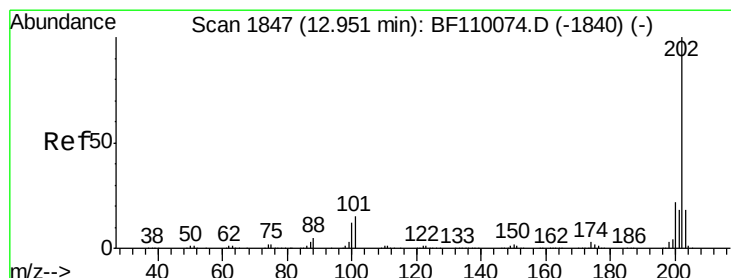
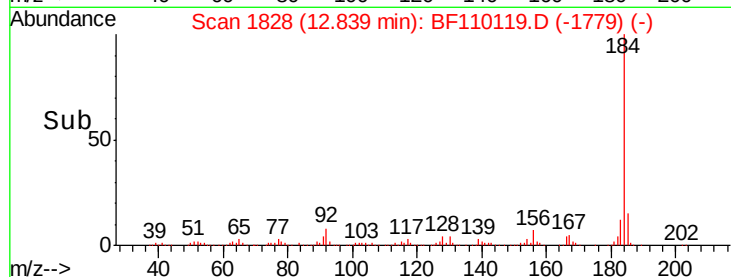
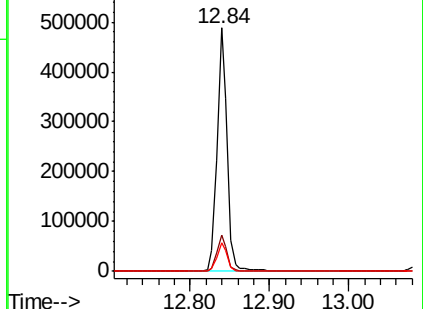
183 11.6 9.4 14.2



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 45.012 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

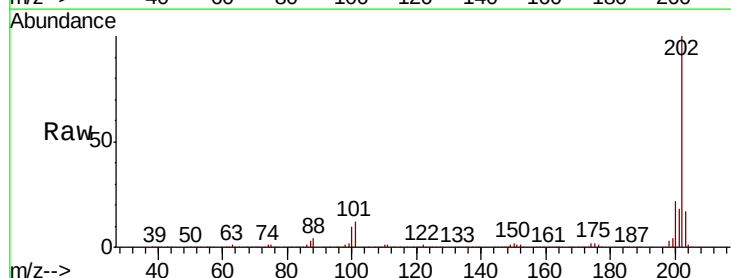
Tgt Ion:202 Resp: 882987

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.8	26.6
203	17.4	14.2	21.4

202 100

200 21.5 17.8 26.6

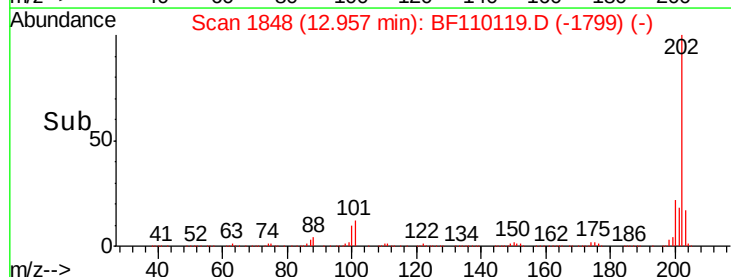
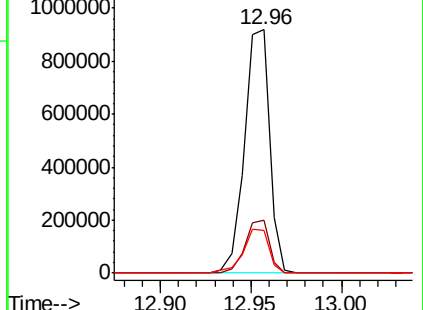
203 17.4 14.2 21.4

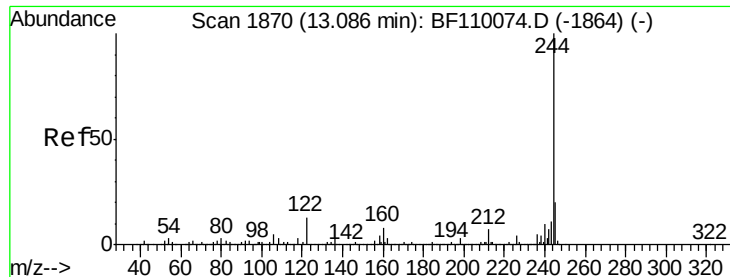


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 71.877 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.02 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

Instrument :

BNA_F

ClientSampleId :

RAV-GT104MSD

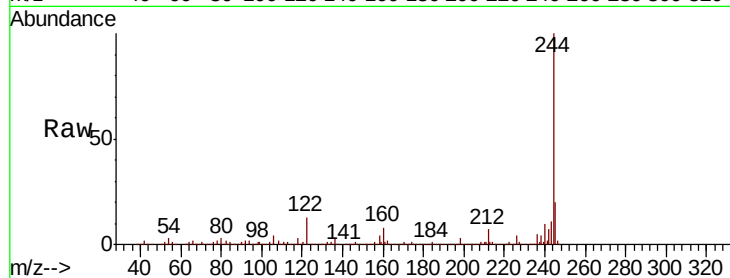
Tot Ion:244 Resp: 945697

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

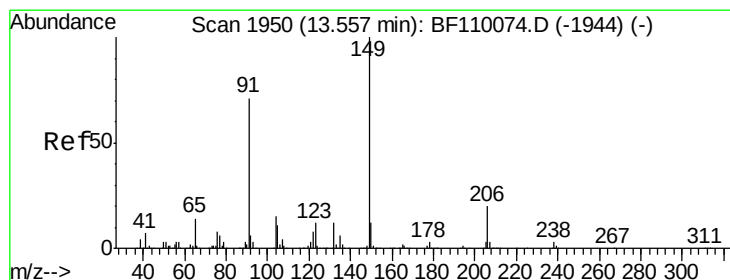
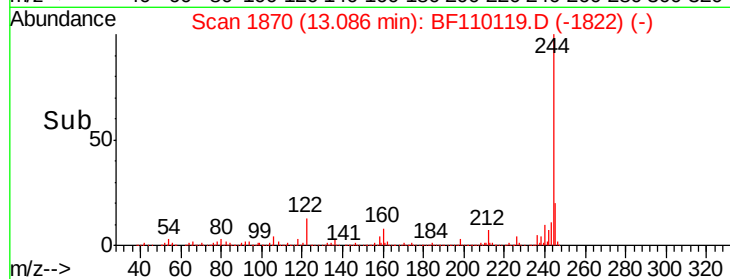
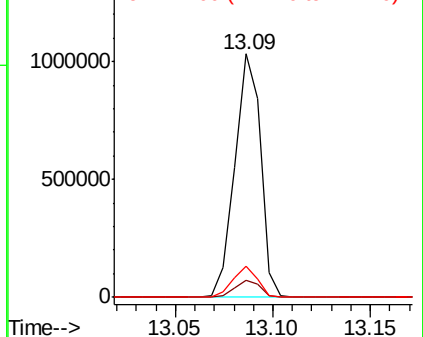
122 13.0 8.7 13.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 47.100 ng

RT: 13.56 min Scan# 1950

Delta R.T. -0.01 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

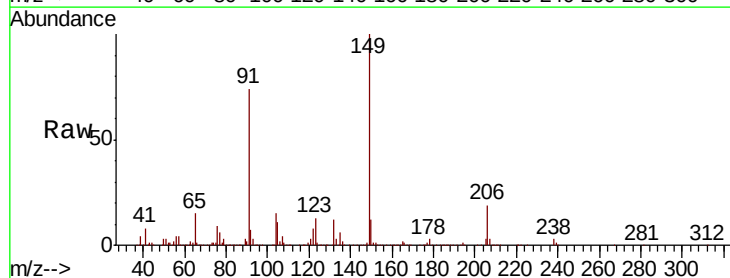
Tgt Ion:149 Resp: 401039

Ion Ratio Lower Upper

149 100

91 73.7 57.2 85.8

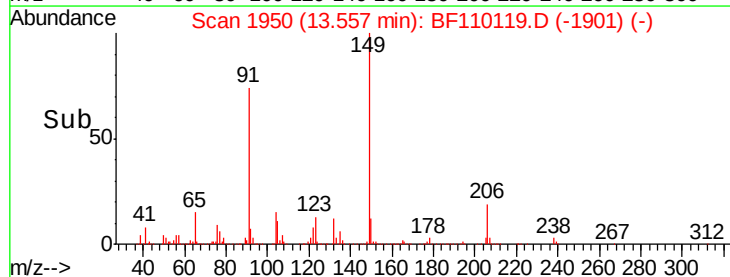
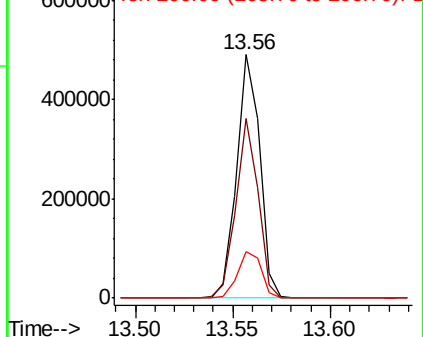
206 19.0 15.7 23.5

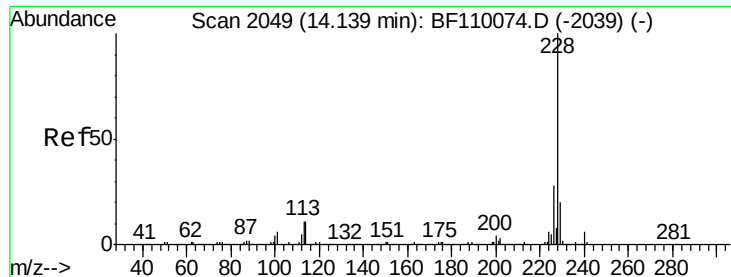


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

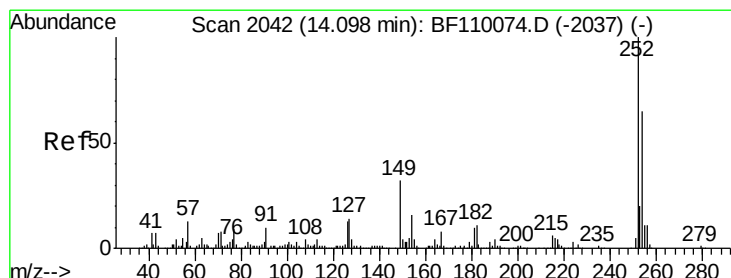
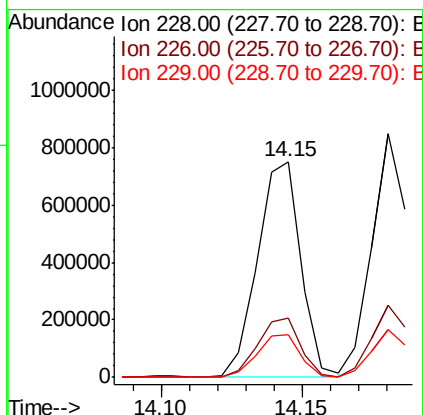
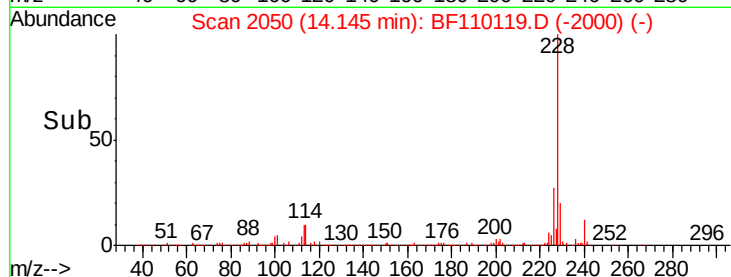
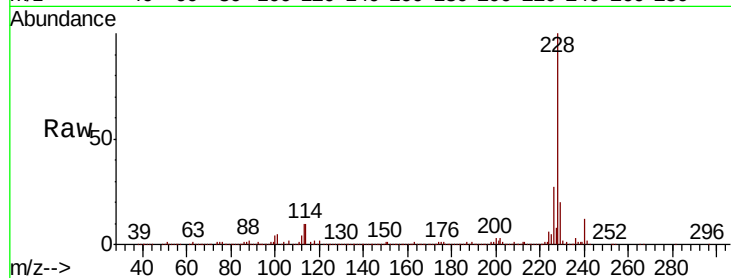




#81
Benzo(a)anthracene
Concen: 49.182 ng
RT: 14.15 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

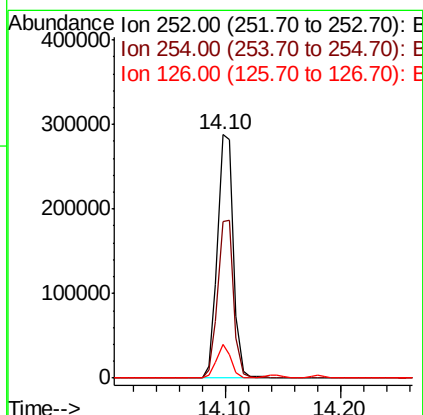
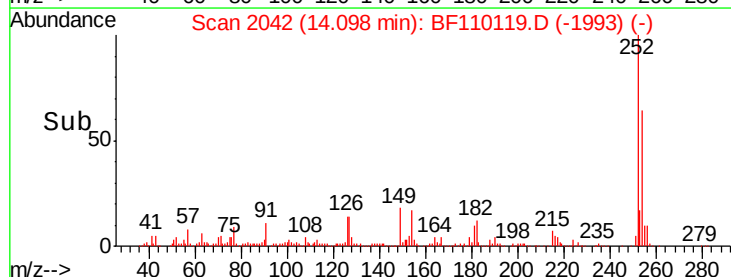
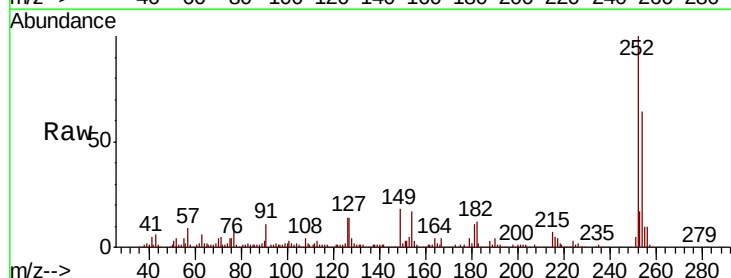
Instrument :
BNA_F
ClientSampleId :
RAV-GT104MSD

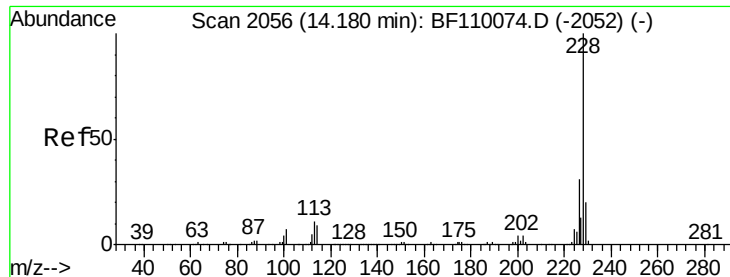
Tot Ion:228 Resp: 798074
Ion Ratio Lower Upper
228 100
226 27.5 22.1 33.1
229 20.0 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 49.254 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.01 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

Tgt Ion:252 Resp: 278309
Ion Ratio Lower Upper
252 100
254 64.1 51.3 76.9
126 13.8 9.4 14.2





#83

Chrysene

Concen: 47.281 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

Instrument :

BNA_F

ClientSampleId :

RAV-GT104MSD

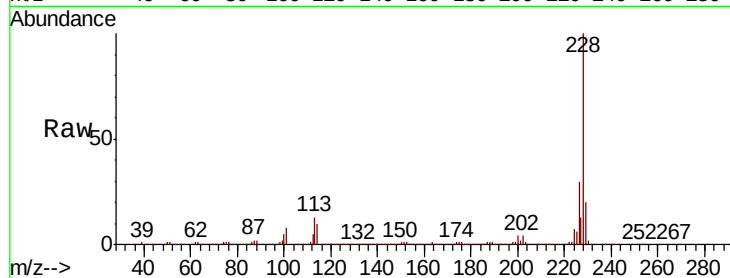
Tot Ion:228 Resp: 728711

Ion Ratio Lower Upper

228 100

226 29.8 24.7 37.1

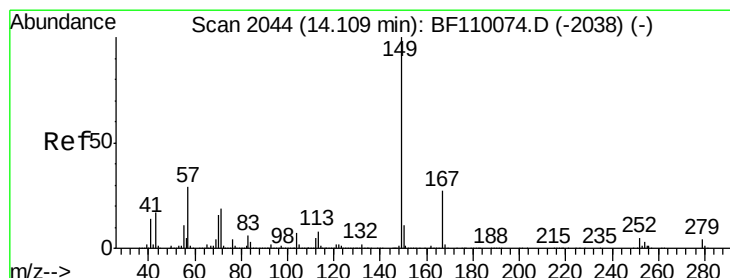
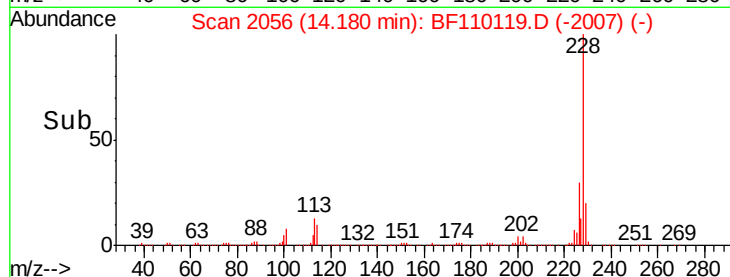
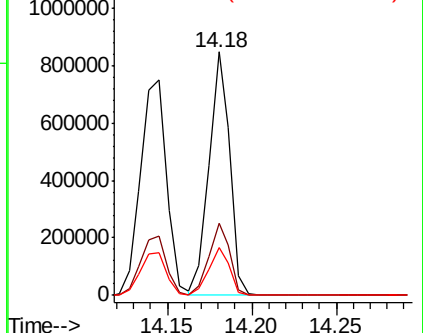
229 19.6 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.138 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.02 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

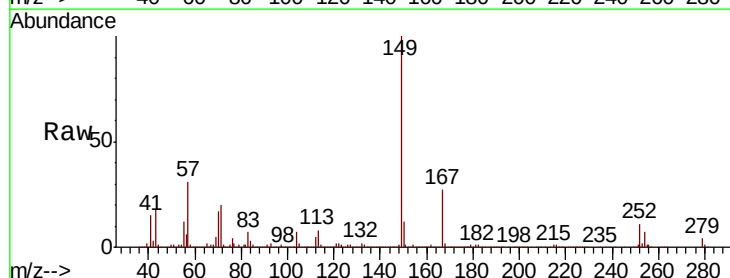
Tgt Ion:149 Resp: 565579

Ion Ratio Lower Upper

149 100

167 26.7 19.8 29.8

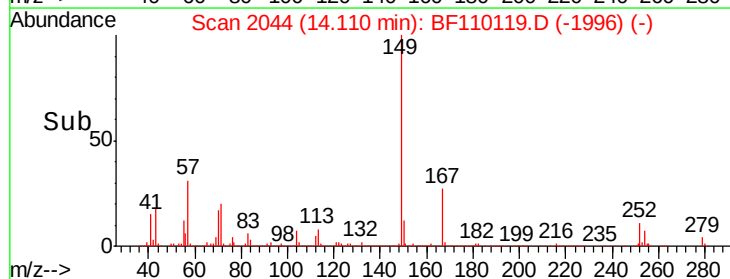
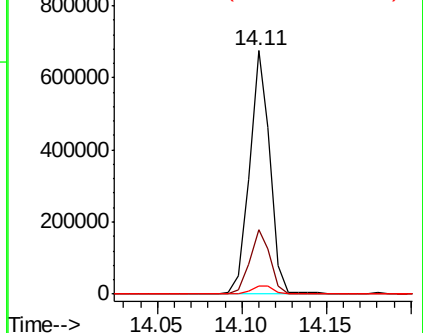
279 3.5 2.7 4.1

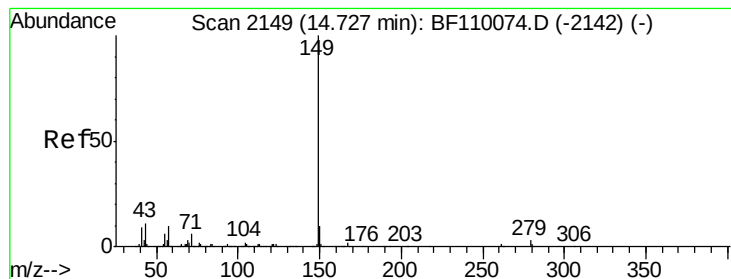


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 55.277 ng

RT: 14.73 min Scan# 2150

Delta R.T. -0.01 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

Instrument :

BNA_F

ClientSampleId :

RAV-GT104MSD

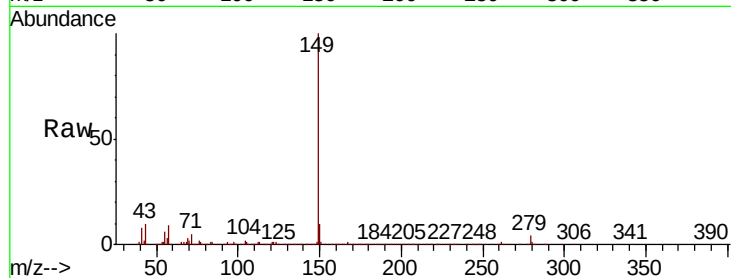
Tot Ion:149 Resp: 989306

Ion Ratio Lower Upper

149 100

167 1.6 1.1 1.7

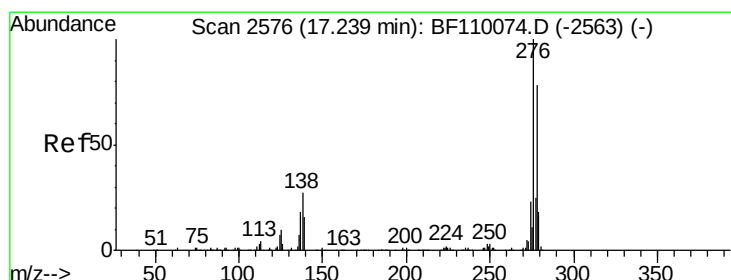
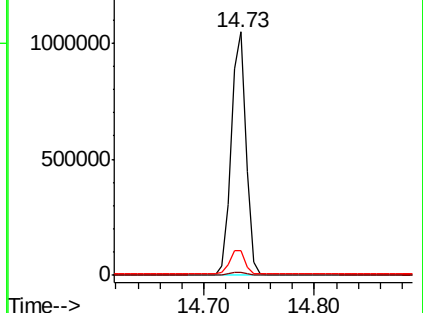
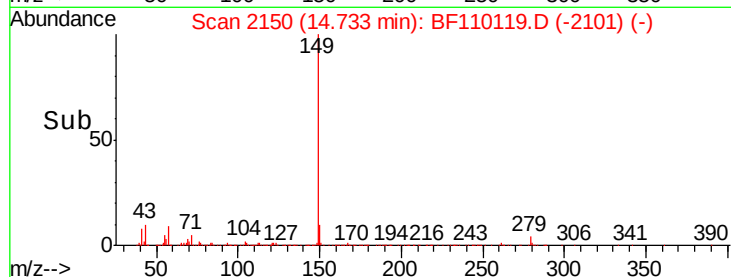
43 10.3 7.8 11.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 43.224 ng

RT: 17.24 min Scan# 2577

Delta R.T. -0.02 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

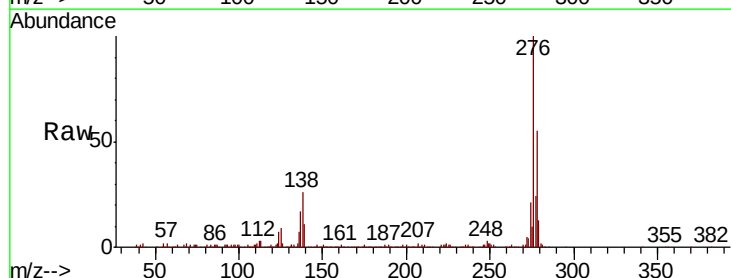
Tgt Ion:276 Resp: 552664

Ion Ratio Lower Upper

276 100

138 27.1 18.5 27.7

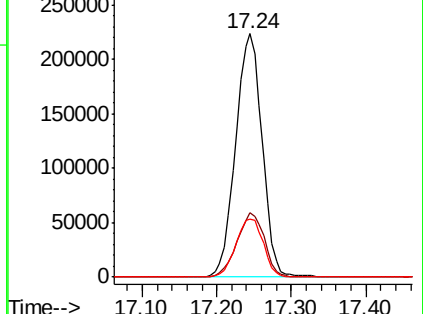
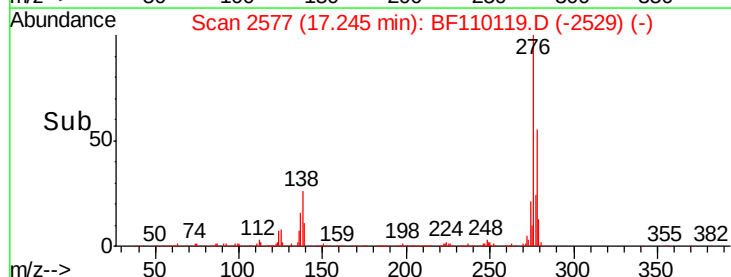
277 24.9 20.0 30.0

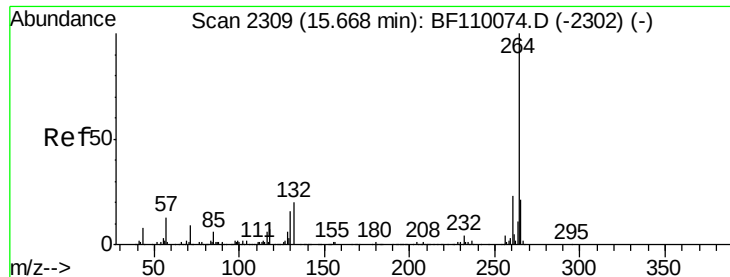


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2311

Delta R.T. -0.01 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

Instrument :

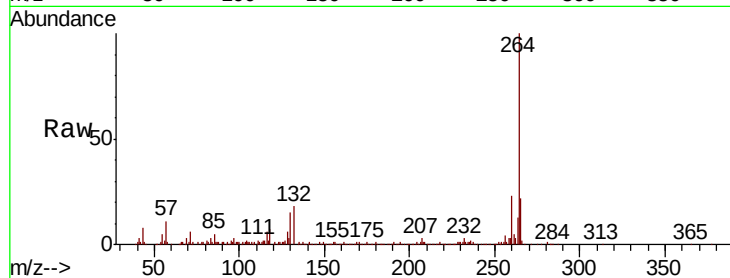
BNA_F

ClientSampleId :

RAV-GT104MSD

Tot Ion:264 Resp: 210050

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	21.5	16.7	25.1

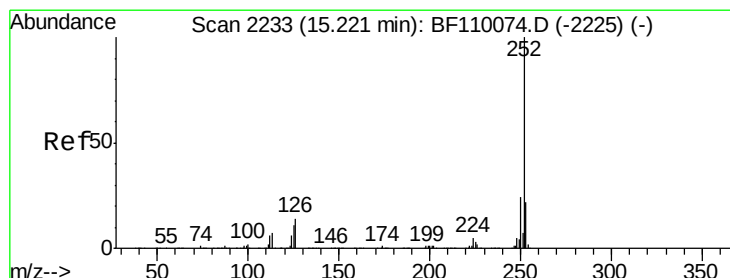
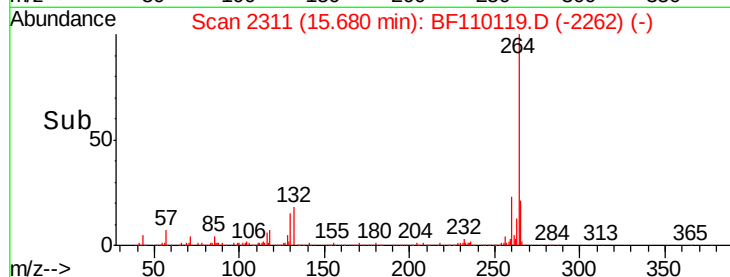
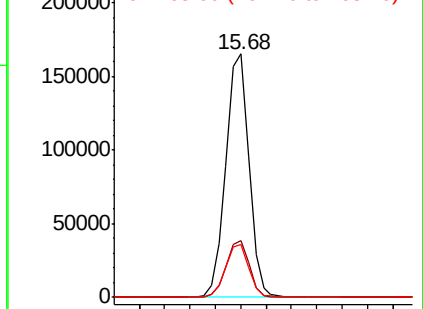


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 52.542 ng

RT: 15.23 min Scan# 2234

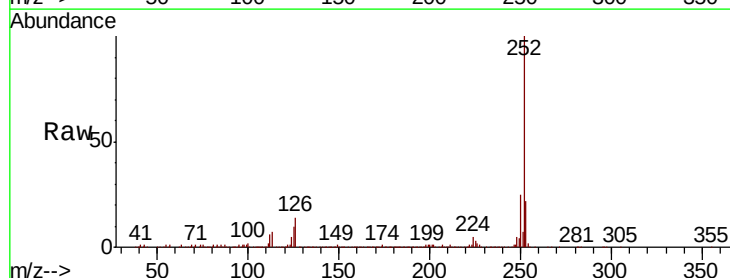
Delta R.T. -0.01 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

Tgt Ion:252 Resp: 637317

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	10.3	8.2	12.4

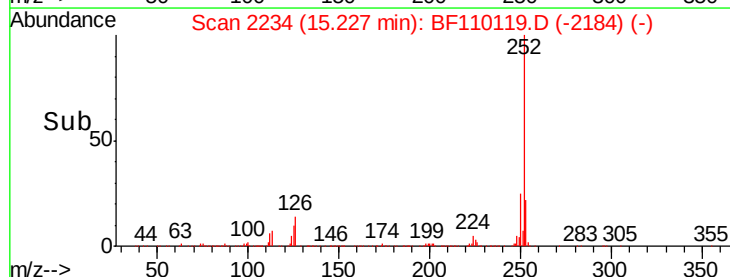
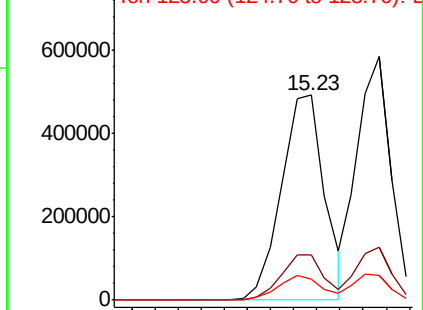


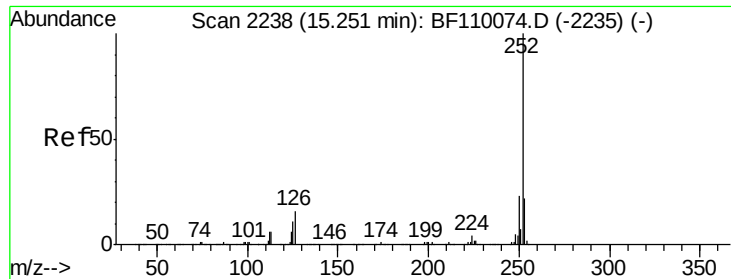
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

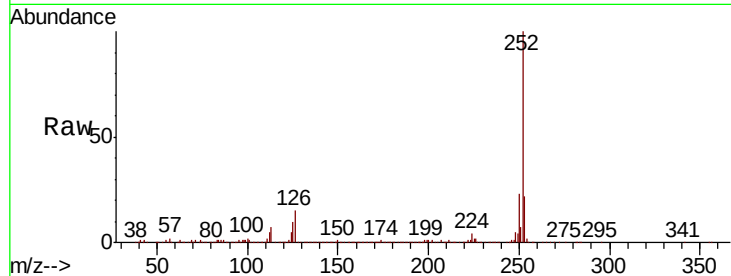




#89
Benzo(k)fluoranthene
Concen: 50.037 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

Instrument :
BNA_F
ClientSampleId :
RAV-GT104MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	10.3	7.4	11.0

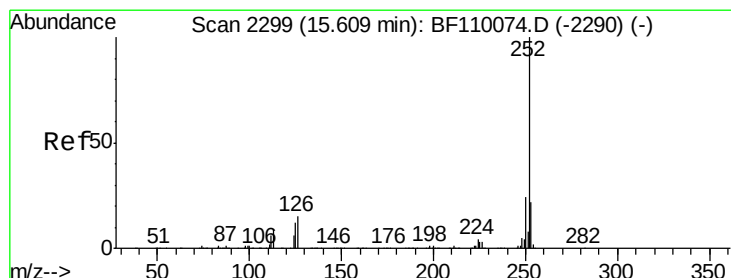
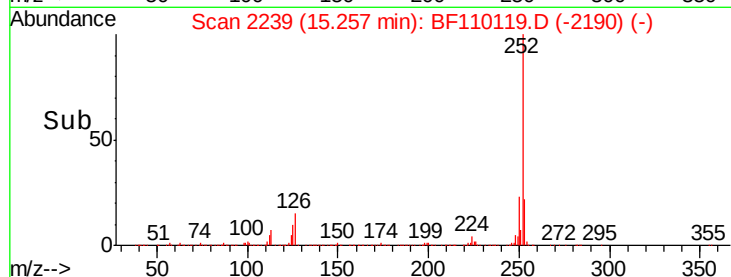
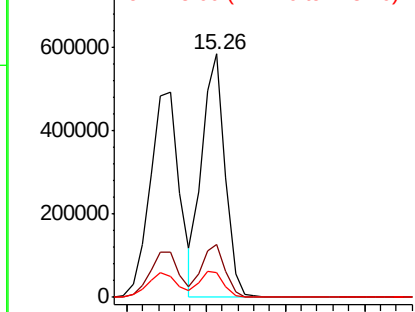


Abundance

Ion 252.00 (251.70 to 252.70): E

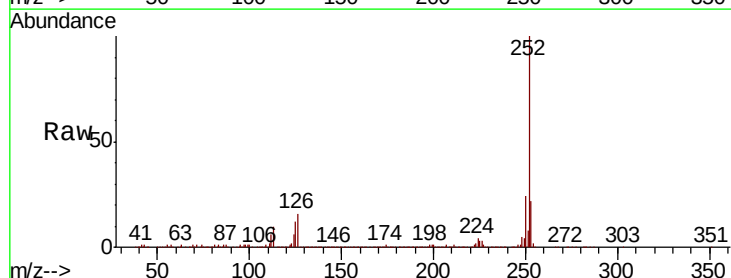
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 50.619 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF110119.D
Acq: 24 Oct 2018 17:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.4
125	12.0	9.0	13.6

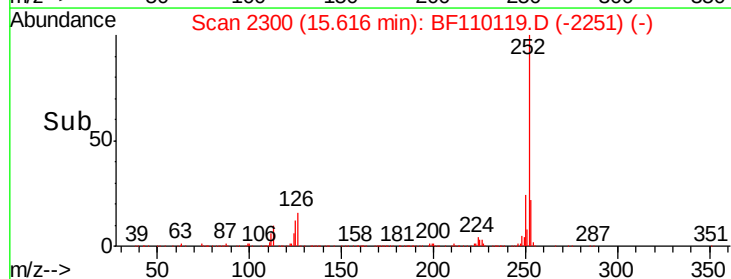
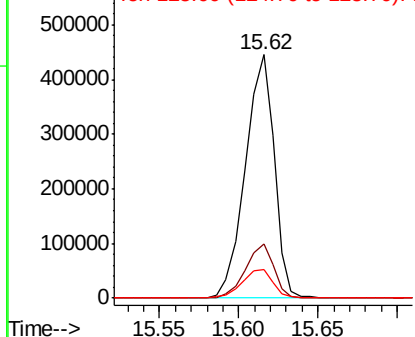


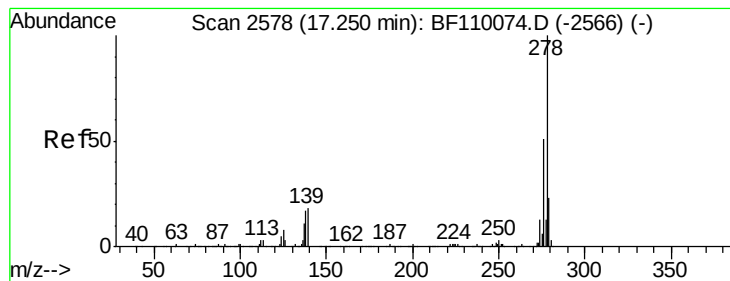
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 48.520 ng

RT: 17.26 min Scan# 2580

Delta R.T. -0.02 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

Instrument :

BNA_F

ClientSampleId :

RAV-GT104MSD

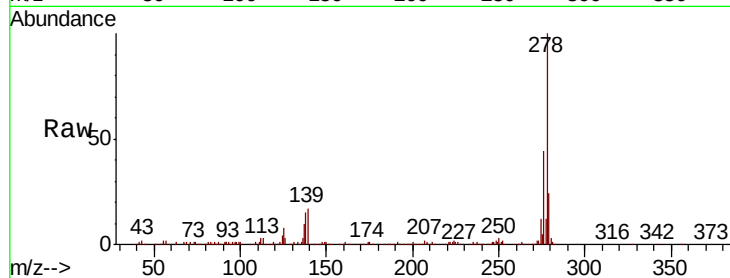
Tot Ion:278 Resp: 467276

Ion Ratio Lower Upper

278 100

139 17.1 12.7 19.1

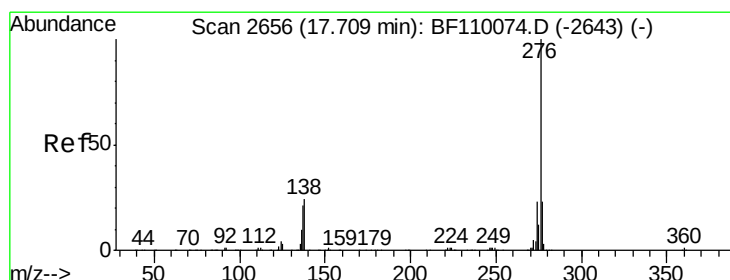
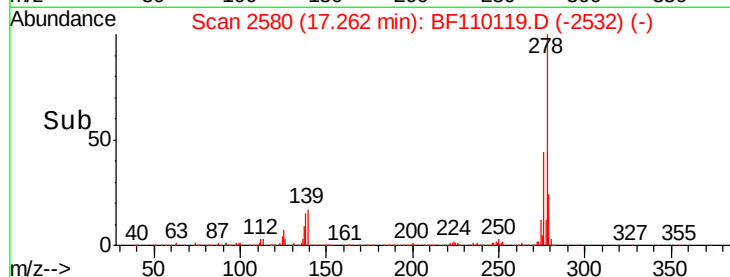
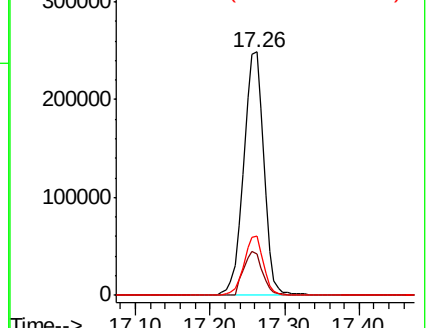
279 24.5 19.0 28.4



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



#92

Benzo(g,h,i)perylene

Concen: 47.024 ng

RT: 17.72 min Scan# 2658

Delta R.T. -0.02 min

Lab File: BF110119.D

Acq: 24 Oct 2018 17:09

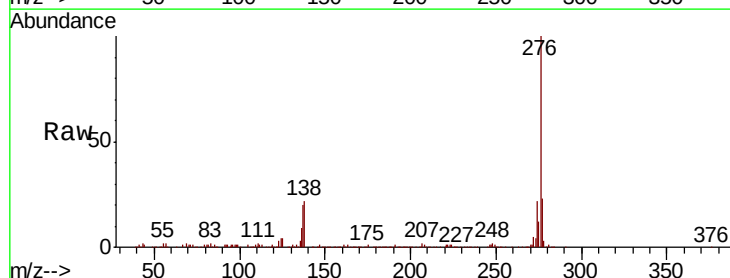
Tgt Ion:276 Resp: 446259

Ion Ratio Lower Upper

276 100

277 23.0 18.8 28.2

138 22.4 16.0 24.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

