

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110618\
 Data File : BF110513.D
 Acq On : 6 Nov 2018 14:18
 Operator : JU/SJ
 Sample : J5827-01MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 06 15:11:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	96017	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	380257	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	169078	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	265776	20.00	ng	0.00
76) Chrysene-d12	14.14	240	171840	20.00	ng	0.00
87) Perylene-d12	15.66	264	140709	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	747188	126.72	ng	0.01
7) Phenol-d6	6.59	99	953659	126.45	ng	0.00
23) Nitrobenzene-d5	7.52	82	593446	92.57	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	190864	113.96	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	993845	92.30	ng	0.00
79) Terphenyl-d14	13.07	244	716161	86.67	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.88	88	80313	25.998	ng	88
3) Pyridine	3.65	79	229440	33.346	ng	# 84
4) n-Nitrosodimethylamine	3.61	42	117137	40.635	ng	94
6) Aniline	6.62	93	290861	29.606	ng	# 55
8) 2-Chlorophenol	6.75	128	259706	38.204	ng	100
9) Benzaldehyde	6.51	77	154221	33.652	ng	98
10) Phenol	6.60	94	379284	47.049	ng	# 64
11) bis(2-Chloroethyl)ether	6.69	93	241218	36.370	ng	94
12) 1,3-Dichlorobenzene	6.90	146	273014	36.495	ng	97
13) 1,4-Dichlorobenzene	6.97	146	274964	36.342	ng	98
14) 1,2-Dichlorobenzene	7.13	146	257750	36.697	ng	98
15) Benzyl Alcohol	7.10	79	223377	38.510	ng	93
16) 2,2'-oxybis(1-Chloropropan	7.22	45	386931	36.488	ng	70
17) 2-Methylphenol	7.20	107	209160	38.607	ng	# 84
18) Hexachloroethane	7.46	117	97511	35.202	ng	95
19) n-Nitroso-di-n-propylamine	7.36	70	180126	37.229	ng	96
20) 3+4-Methylphenols	7.36	107	270349	38.605	ng	# 88
22) Acetophenone	7.36	105	361677	41.278	ng	# 93
24) Nitrobenzene	7.54	77	264907	40.023	ng	97
25) Isophorone	7.77	82	485563	44.432	ng	97
26) 2-Nitrophenol	7.86	139	133279	42.315	ng	92
27) 2,4-Dimethylphenol	7.89	122	232187	44.463	ng	99
28) bis(2-Chloroethoxy)methane	7.98	93	306960	41.347	ng	99
29) 2,4-Dichlorophenol	8.10	162	213853	40.535	ng	98
30) 1,2,4-Trichlorobenzene	8.18	180	229582	38.850	ng	96
31) Naphthalene	8.26	128	737840	42.101	ng	100
32) Benzoic acid	7.89	122	232187	57.528	ng	# 10
33) 4-Chloroaniline	8.31	127	182418	23.127	ng	95
34) Hexachlorobutadiene	8.37	225	126346	38.506	ng	98
35) Caprolactam	8.68	113	38033	20.683	ng	92
36) 4-Chloro-3-methylphenol	8.79	107	227921	39.951	ng	99
37) 2-Methylnaphthalene	8.95	142	499943	43.115	ng	99
38) 1-Methylnaphthalene	9.05	142	465008	41.498	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.12	216	209593	39.785	ng	99

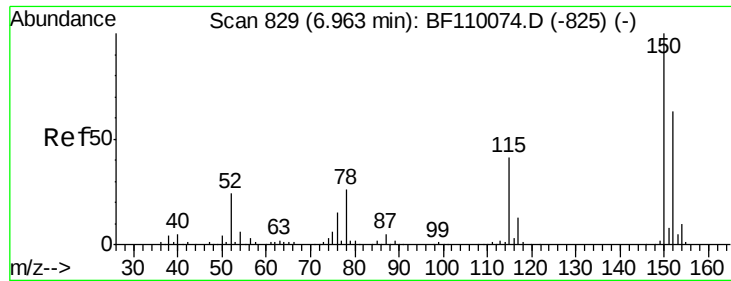
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110618\
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 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.10	237	67847	25.187	nq	97
43) 2,4,6-Trichlorophenol	9.23	196	135220	39.795	nq	95
44) 2,4,5-Trichlorophenol	9.27	196	144575	40.253	nq	93
46) 1,1'-Biphenyl	9.42	154	595558	38.952	nq	99
47) 2-Chloronaphthalene	9.45	162	443542	39.547	nq	99
48) 2-Nitroaniline	9.55	65	138947	40.883	nq	91
49) Acenaphthylene	9.86	152	674056	41.611	nq	99
50) Dimethylphthalate	9.71	163	674744	54.062	nq	99
51) 2,6-Dinitrotoluene	9.79	165	109731	40.816	nq #	82
52) Acenaphthene	10.03	154	400667	37.388	nq	98
53) 3-Nitroaniline	9.96	138	100105	31.312	nq	90
54) 2,4-Dinitrophenol	10.07	184	10611	14.477	nq	94
55) Dibenzofuran	10.20	168	577644	38.499	nq	99
56) 4-Nitrophenol	10.12	139	196293	82.957	nq	97
57) 2,4-Dinitrotoluene	10.19	165	134885	39.500	nq	91
58) Fluorene	10.55	166	452380	40.512	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.32	232	106222	36.284	nq #	92
60) Diethylphthalate	10.41	149	493286	40.488	nq	100
61) 4-Chlorophenyl-phenylether	10.53	204	220203	37.381	nq	99
62) 4-Nitroaniline	10.57	138	106537	33.504	nq	92
63) Azobenzene	10.70	77	456150	37.719	nq	95
65) 4,6-Dinitro-2-methylphenol	10.60	198	19607	16.147	nq	97
66) n-Nitrosodiphenylamine	10.66	169	399037	45.774	nq	97
67) 4-Bromophenyl-phenylether	11.03	248	122448	42.474	nq	97
68) Hexachlorobenzene	11.10	284	123002	40.212	nq	94
69) Atrazine	11.18	200	124210	45.087	nq	99
70) Pentachlorophenol	11.29	266	95018	53.272	nq	94
71) Phenanthrene	11.52	178	603174	43.373	nq	99
72) Anthracene	11.57	178	605339	43.427	nq	99
73) Carbazole	11.72	167	514653	37.814	nq	99
74) Di-n-butylphthalate	12.03	149	689292	44.843	nq	98
75) Fluoranthene	12.71	202	551405	39.069	nq	97
77) Benzidine	12.83	184	318691	Below	Cal	97
78) Pyrene	12.94	202	521603	42.340	nq	99
80) Butylbenzylphthalate	13.53	149	237449	44.407	nq	97
81) Benzo(a)anthracene	14.13	228	434922	42.679	nq	99
82) 3,3'-Dichlorobenzidine	14.09	252	135548	38.199	nq	100
83) Chrysene	14.16	228	411859	42.552	nq	98
84) Bis(2-ethylhexyl)phthalate	14.09	149	313826	43.416	nq	96
85) Di-n-octyl phthalate	14.70	149	519233	46.197	nq	99
86) Indeno(1,2,3-cd)pyrene	17.23	276	315842	39.335	nq	97
88) Benzo(b)fluoranthene	15.21	252	367751	45.259	nq	99
89) Benzo(k)fluoranthene	15.24	252	348520	43.630	nq	99
90) Benzo(a)pyrene	15.60	252	327674	43.826	nq	99
91) Dibenzo(a,h)anthracene	17.24	278	260416	40.366	nq	98
92) Benzo(g,h,i)perylene	17.71	276	249179	39.196	nq	99

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

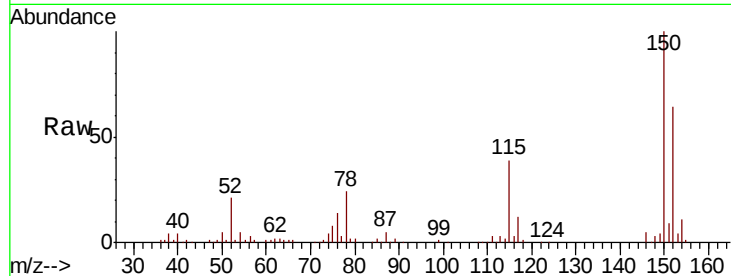


#1

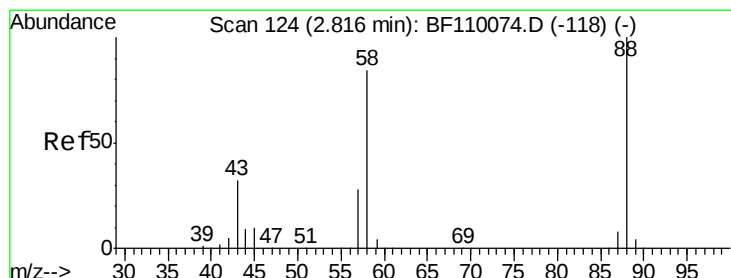
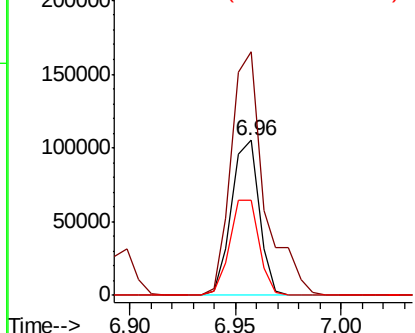
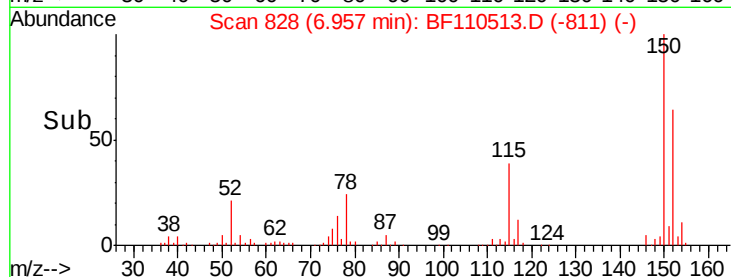
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 96017
Ion Ratio Lower Upper
152 100
150 157.0 122.7 184.1
115 61.7 49.1 73.7



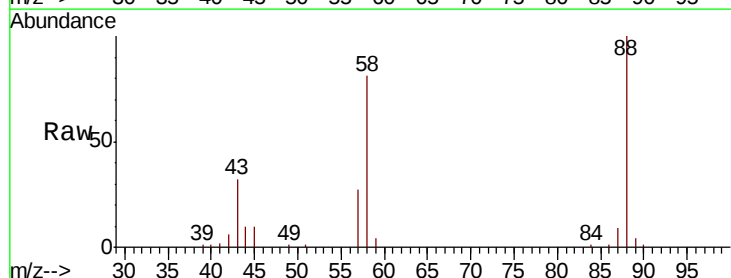
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



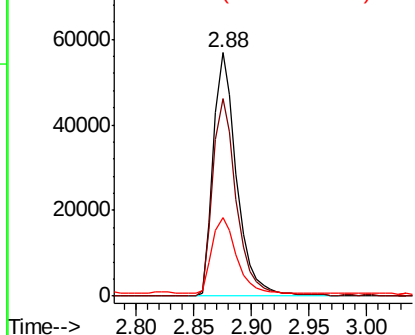
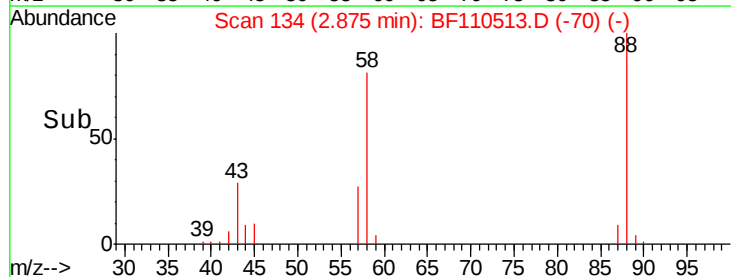
#2

1,4-Dioxane
Concen: 25.998 ng
RT: 2.88 min Scan# 134
Delta R.T. 0.08 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Tgt Ion: 88 Resp: 80313
Ion Ratio Lower Upper
88 100
58 83.1 57.1 85.7
43 33.2 24.1 36.1



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





#3

Pvridine

Concen: 33.346 ng

RT: 3.65 min Scan# 266

Delta R.T. 0.07 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

Instrument :

BNA_F

ClientSampleId :

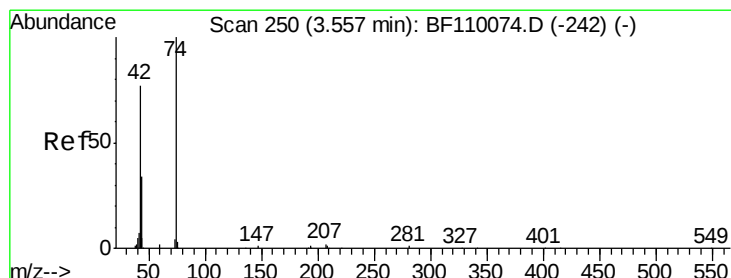
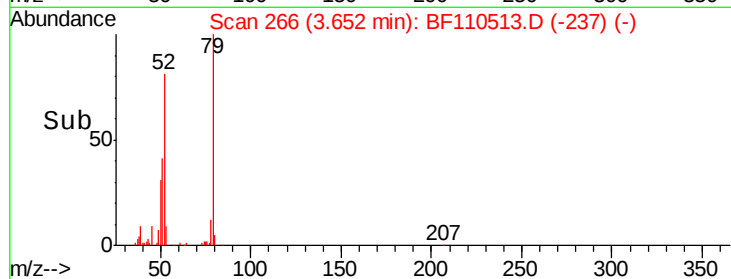
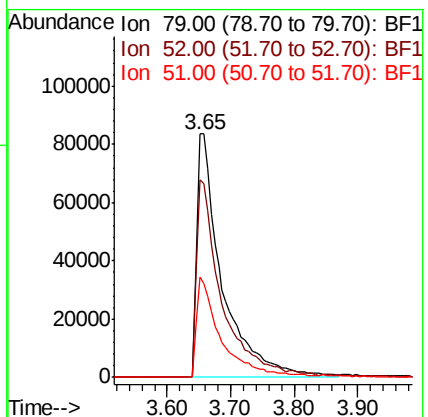
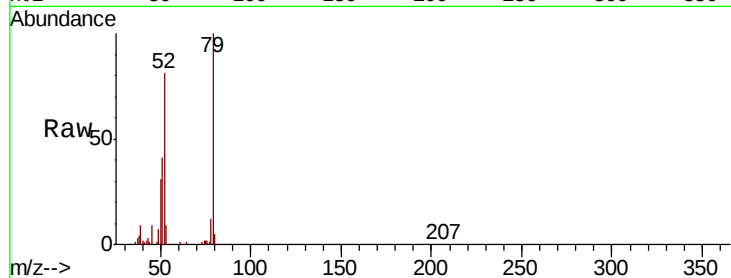
Tot Ion: 79 Resp: 229440

Ion Ratio Lower Upper

79 100

52 81.4 53.1 79.7#

51 40.9 27.4 41.2



#4

n-Nitrosodimethylamine

Concen: 40.635 ng

RT: 3.61 min Scan# 259

Delta R.T. 0.06 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

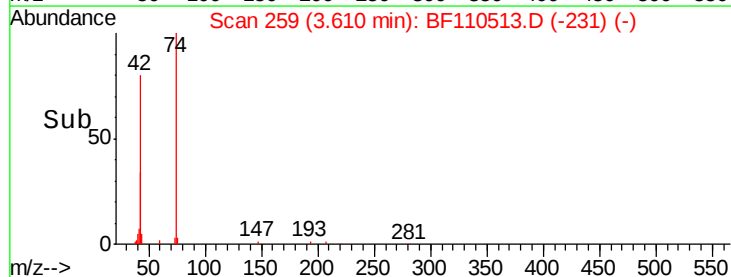
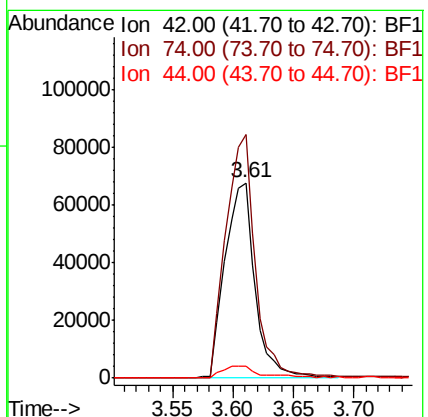
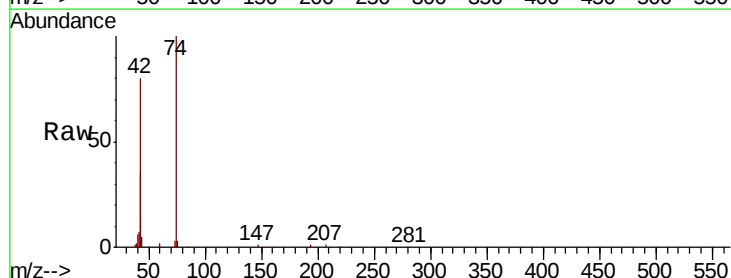
Tgt Ion: 42 Resp: 117137

Ion Ratio Lower Upper

42 100

74 124.8 105.5 158.3

44 6.2 4.9 7.3





#5

2-Fluorophenol

Concen: 126.723 ng

RT: 5.59 min Scan# 595

Delta R.T. 0.01 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

Instrument :

BNA_F

ClientSampled :

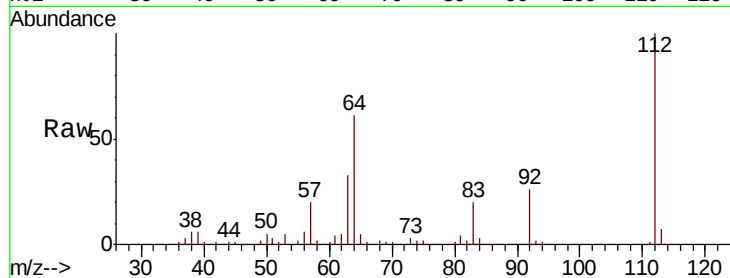
Tot Ion: 112 Resp: 747188

Ion Ratio Lower Upper

112 100

64 61.4 44.1 66.1

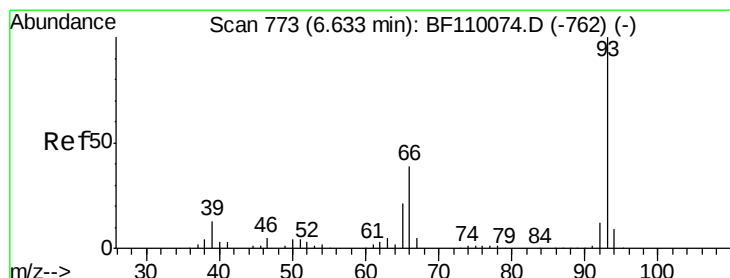
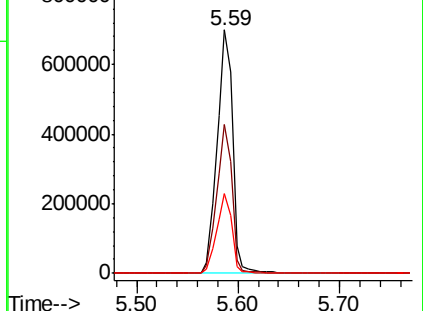
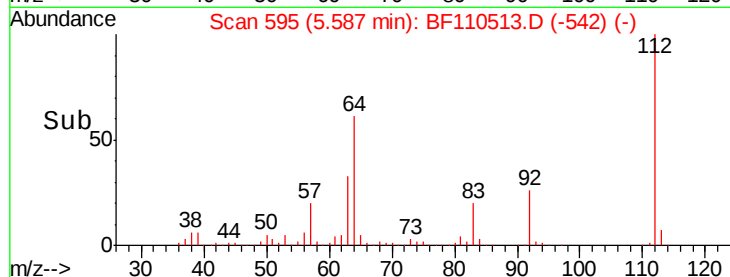
63 32.5 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 29.606 ng

RT: 6.62 min Scan# 771

Delta R.T. 0.00 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

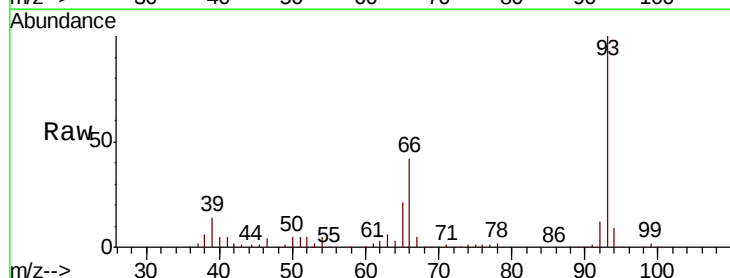
Tgt Ion: 93 Resp: 290861

Ion Ratio Lower Upper

93 100

66 41.7 67.4 101.0#

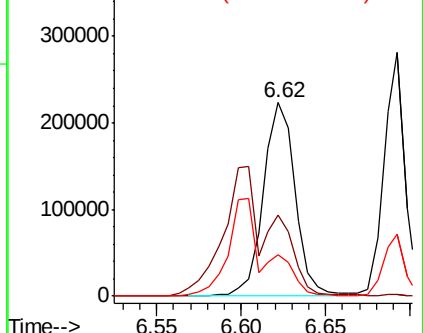
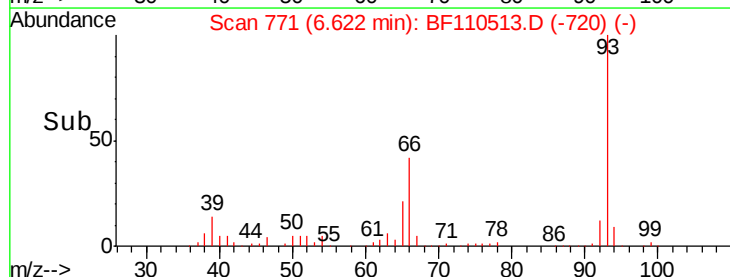
65 21.4 41.0 61.4#

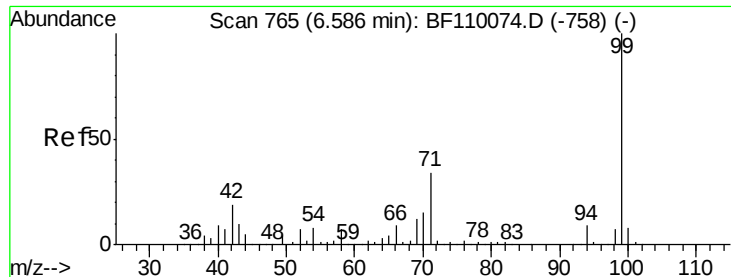


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 126.451 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.01 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

Instrument :

BNA_F

ClientSampleId :

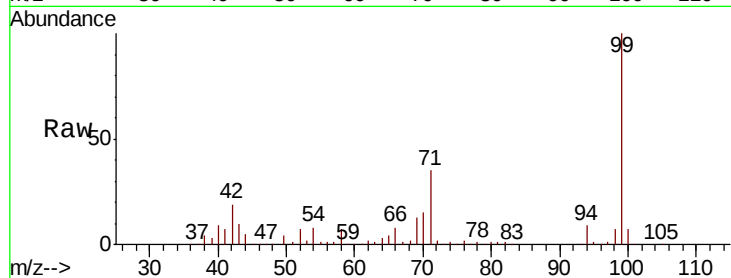
Tot Ion: 99 Resp: 953659

Ion Ratio Lower Upper

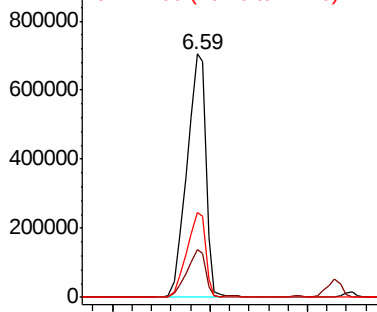
99 100

42 19.4 15.8 23.6

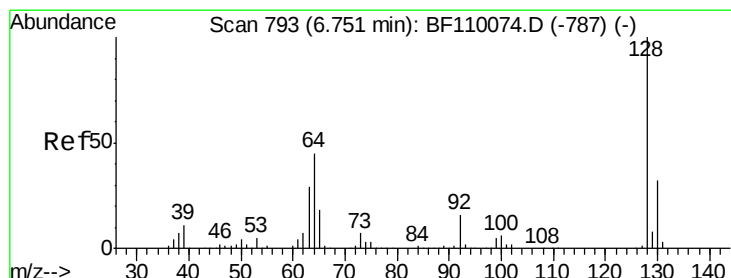
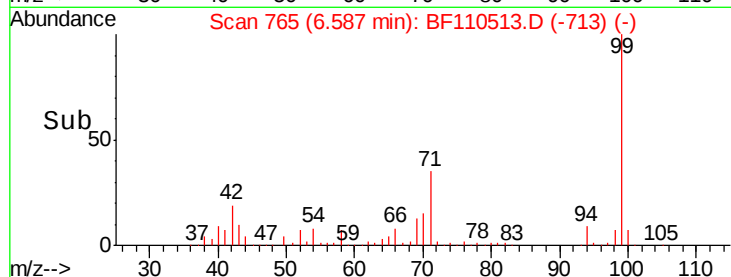
71 34.6 28.0 42.0



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



Time-->



#8

2-Chlorophenol

Concen: 38.204 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.00 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

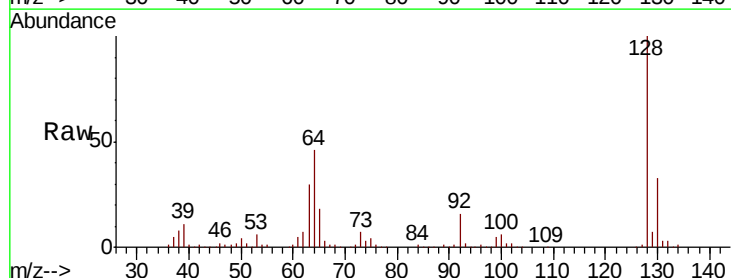
Tgt Ion:128 Resp: 259706

Ion Ratio Lower Upper

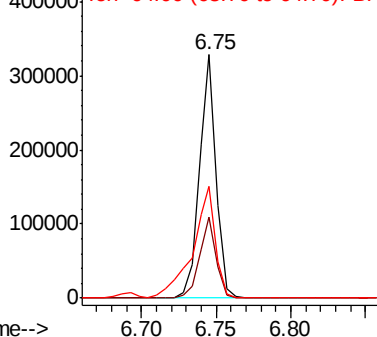
128 100

130 33.2 13.1 53.1

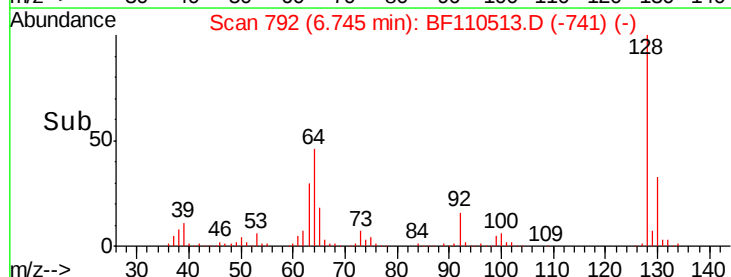
64 45.7 26.0 66.0



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



Time-->

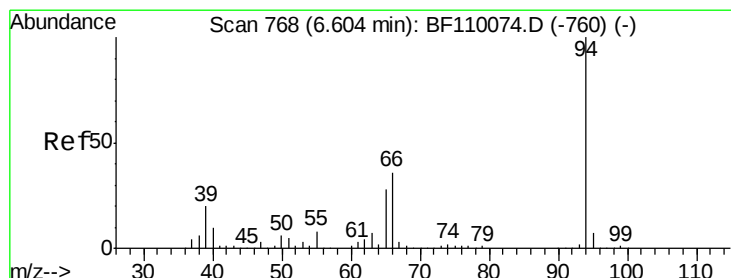
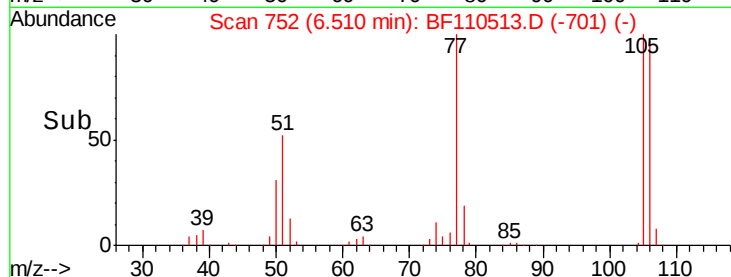
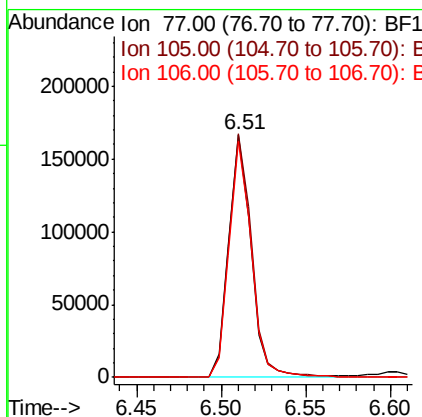
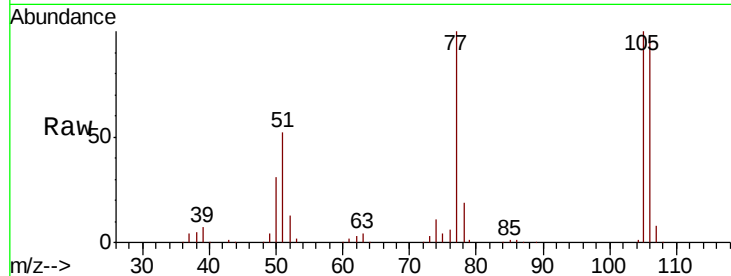




#9
Benzaldehyde
Concen: 33.652 ng
RT: 6.51 min Scan# 752
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

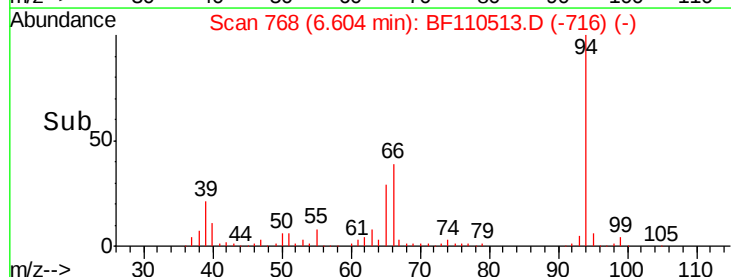
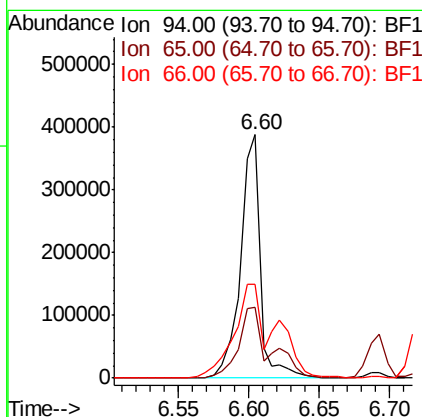
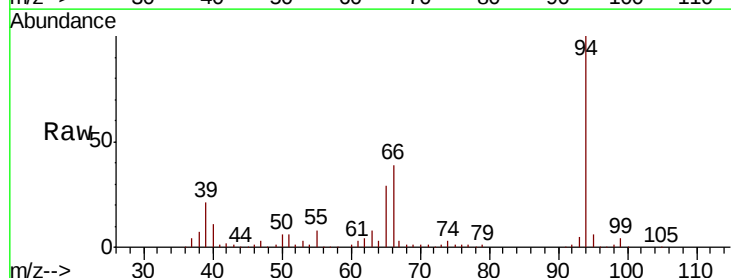
Instrument :
BNA_F
ClientSampleId :

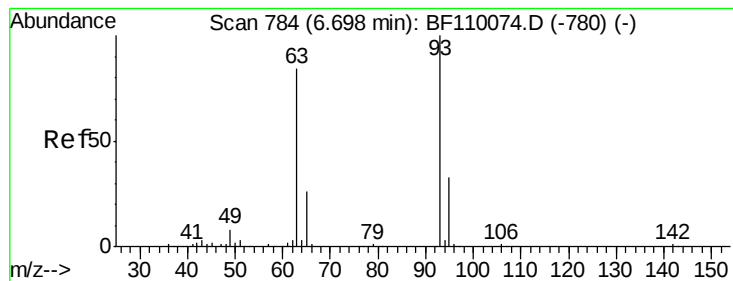
Tot Ion: 77 Resp: 154221
Ion Ratio Lower Upper
77 100
105 100.2 78.6 118.6
106 97.0 74.8 114.8



#10
Phenol
Concen: 47.049 ng
RT: 6.60 min Scan# 768
Delta R.T. 0.01 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Tgt Ion: 94 Resp: 379284
Ion Ratio Lower Upper
94 100
65 29.2 25.3 65.3
66 38.7 54.5 94.5#





#11

bis(2-Chloroethyl)ether

Concen: 36.370 ng

RT: 6.69 min Scan# 783

Delta R.T. 0.00 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

Instrument :

BNA_F

ClientSampleId :

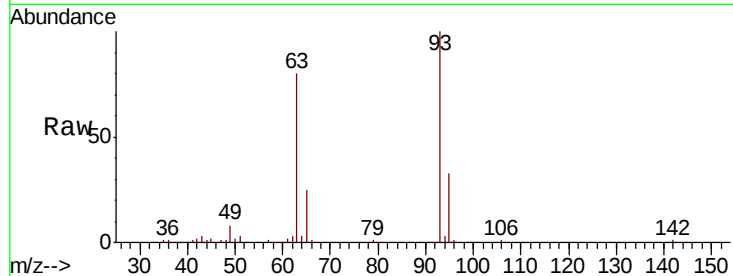
Tot Ion: 93 Resp: 241218

Ion Ratio Lower Upper

93 100

63 80.0 53.4 93.4

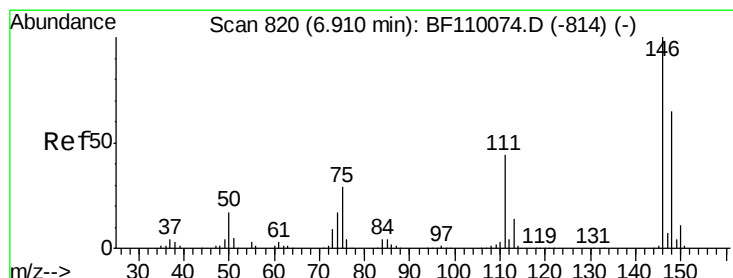
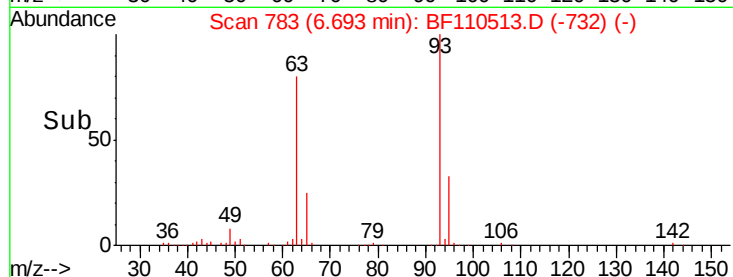
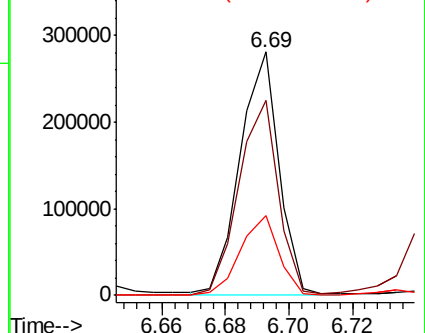
95 32.8 12.1 52.1



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 36.495 ng

RT: 6.90 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

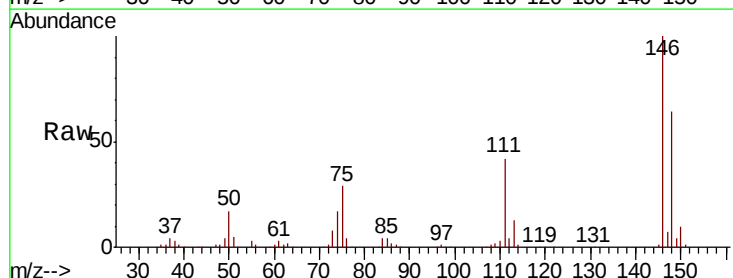
Tgt Ion: 146 Resp: 273014

Ion Ratio Lower Upper

146 100

148 64.3 50.4 75.6

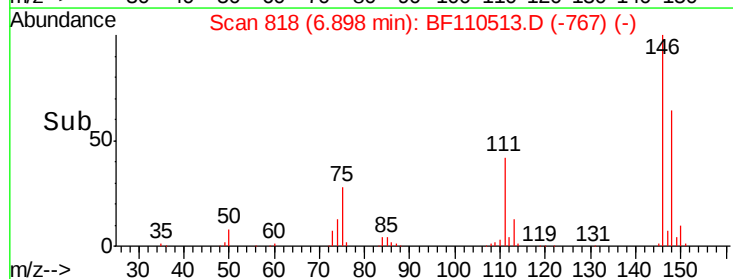
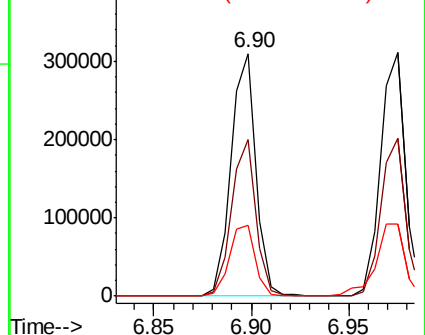
75 29.2 25.8 38.6

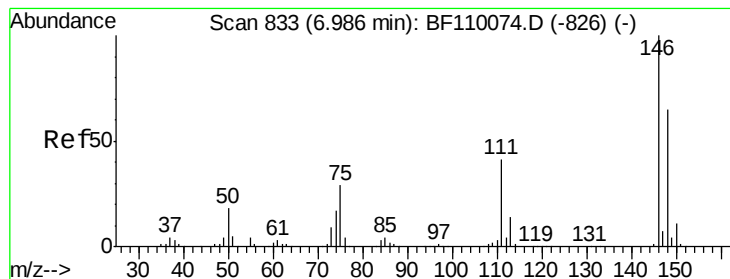


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 36.342 ng

RT: 6.97 min Scan# 831

Delta R.T. 0.00 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

Instrument :

BNA_F

ClientSampled :

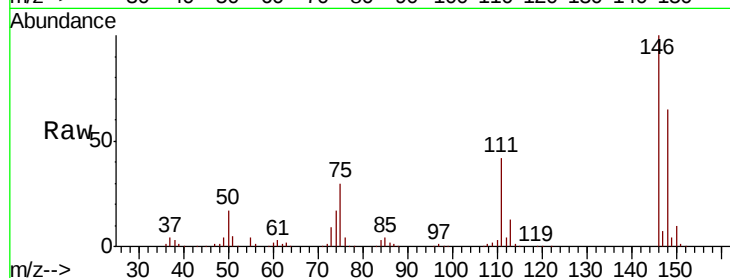
Tot Ion:146 Resp: 274964

Ion Ratio Lower Upper

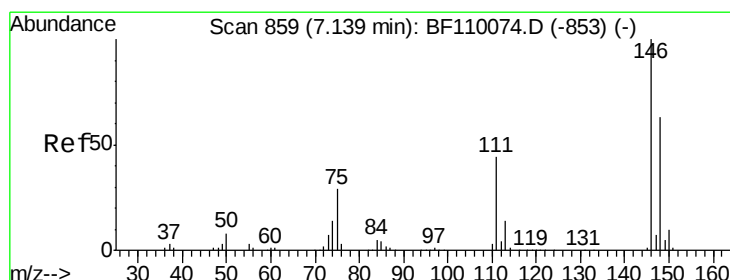
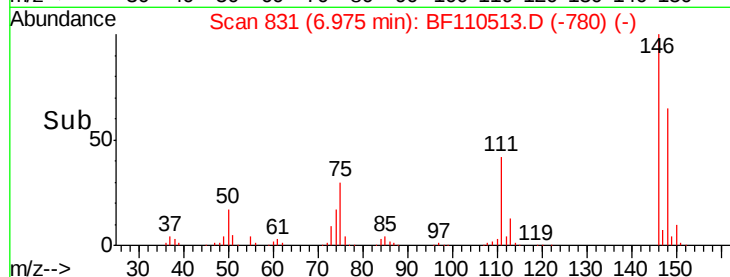
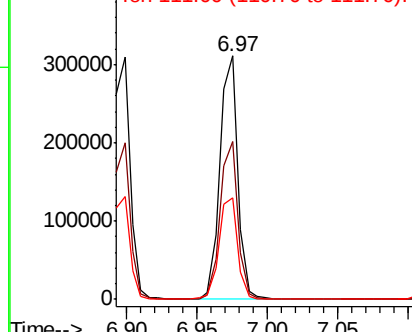
146 100

148 64.9 50.3 75.5

111 41.5 32.7 49.1



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 36.697 ng

RT: 7.13 min Scan# 857

Delta R.T. 0.00 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

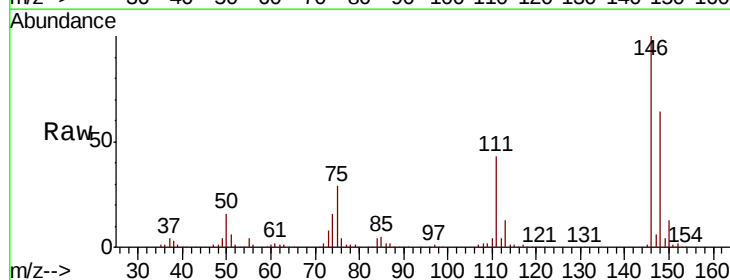
Tgt Ion:146 Resp: 257750

Ion Ratio Lower Upper

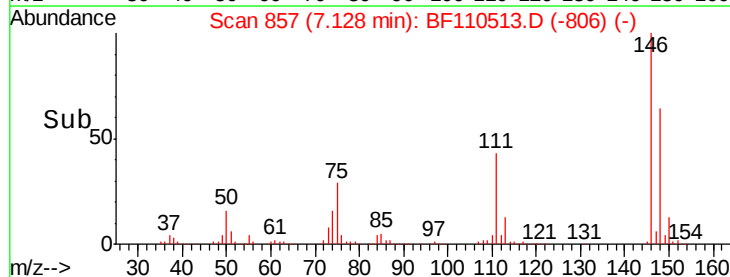
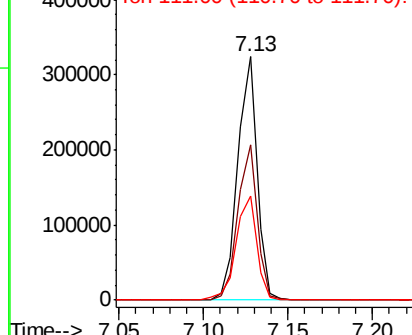
146 100

148 63.7 51.1 76.7

111 42.6 35.8 53.6



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 38.510 ng

RT: 7.10 min Scan# 852

Delta R.T. 0.00 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

Instrument :

BNA_F

ClientSampleId :

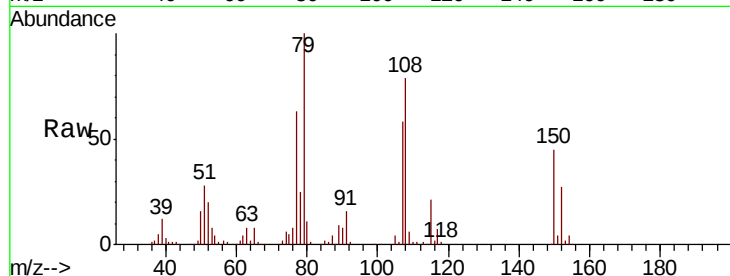
Tot Ion: 79 Resp: 223377

Ion Ratio Lower Upper

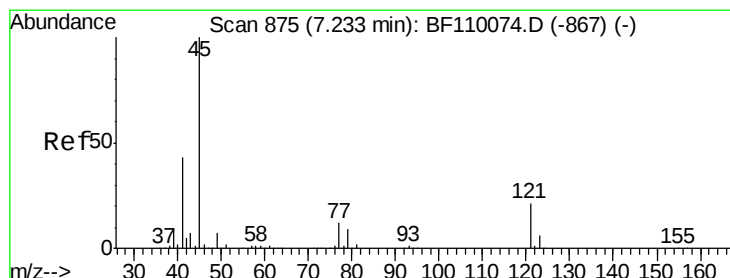
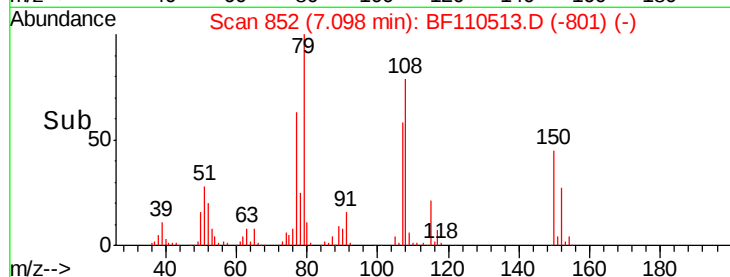
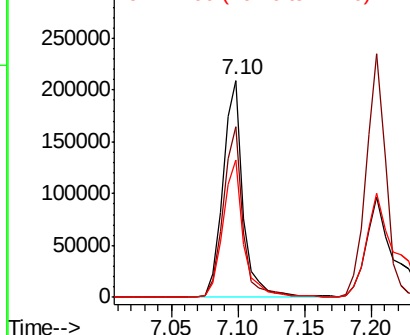
79 100

108 78.6 56.3 84.5

77 63.0 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: 36.488 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

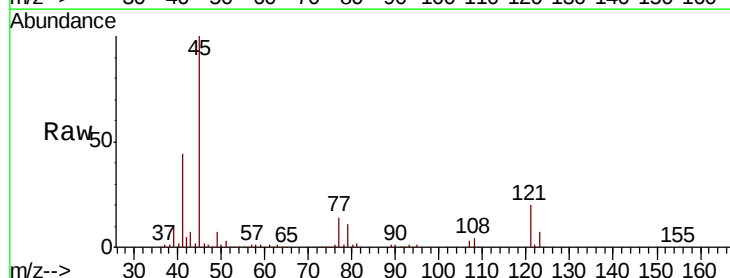
Tgt Ion: 45 Resp: 386931

Ion Ratio Lower Upper

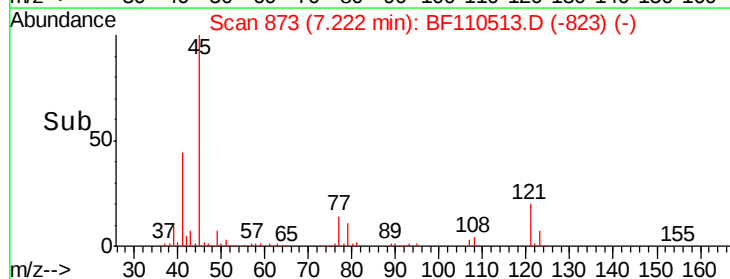
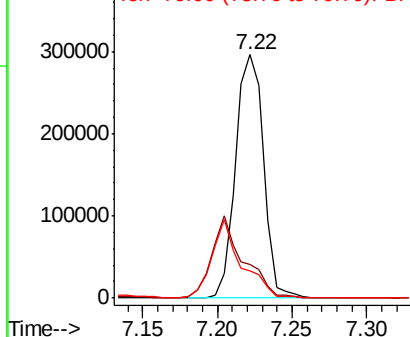
45 100

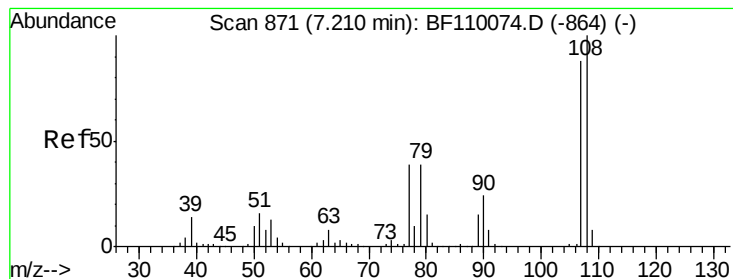
77 13.9 10.0 50.0

79 11.0 6.1 46.1



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





#17

2-Methylphenol

Concen: 38.607 ng

RT: 7.20 min Scan# 870

Delta R.T. 0.00 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 209160

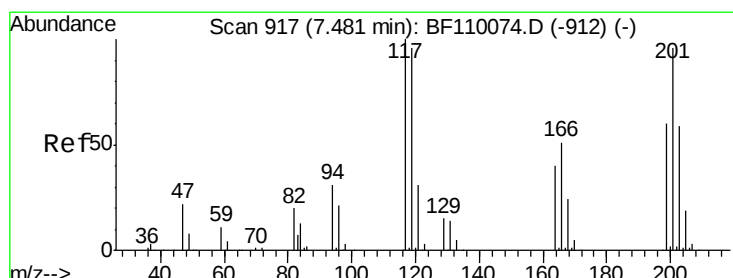
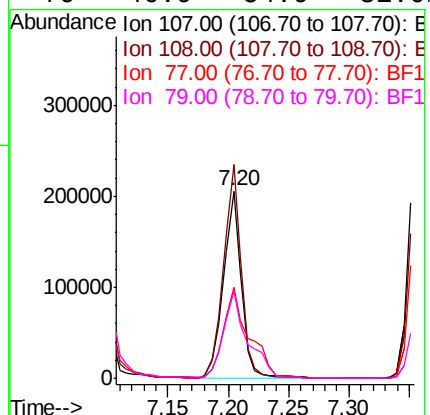
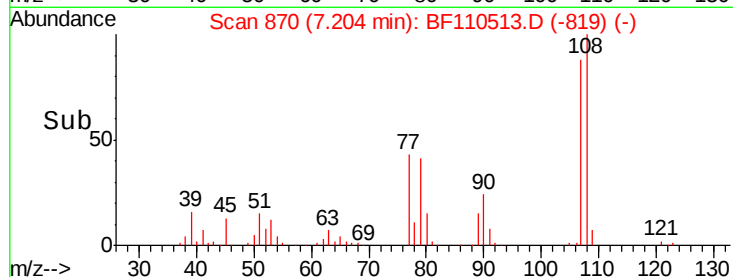
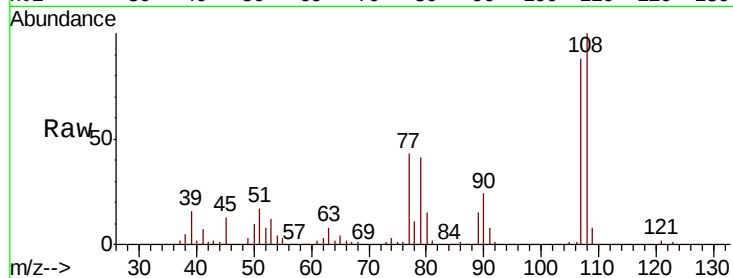
Ion Ratio Lower Upper

107 100

108 114.3 92.6 138.8

77 48.9 59.4 89.2#

79 46.9 54.0 81.0#



#18

Hexachloroethane

Concen: 35.202 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.01 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

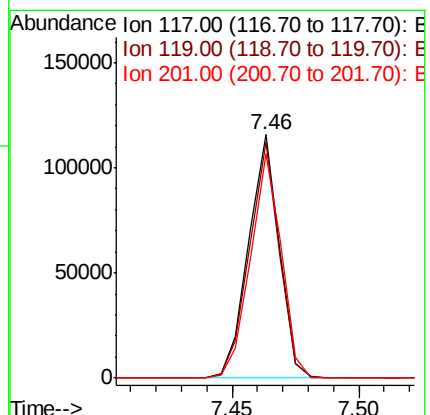
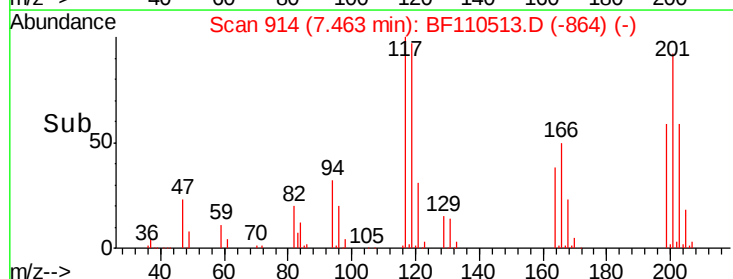
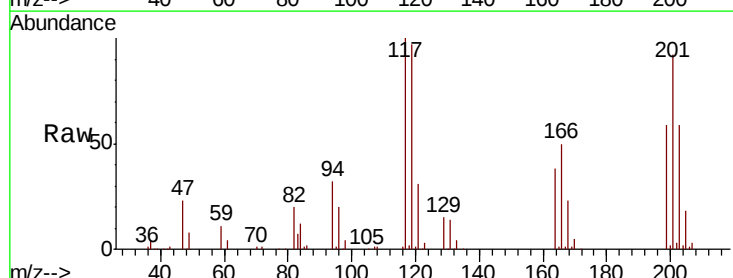
Tgt Ion:117 Resp: 97511

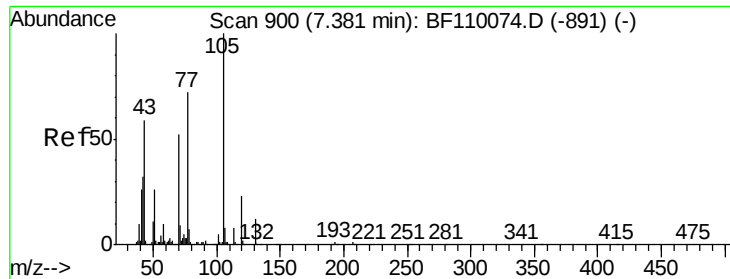
Ion Ratio Lower Upper

117 100

119 97.1 75.0 112.6

201 92.2 79.2 118.8

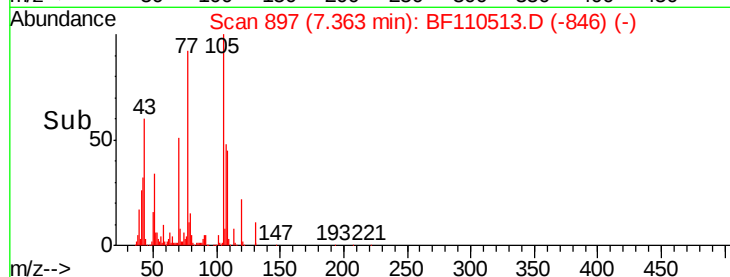
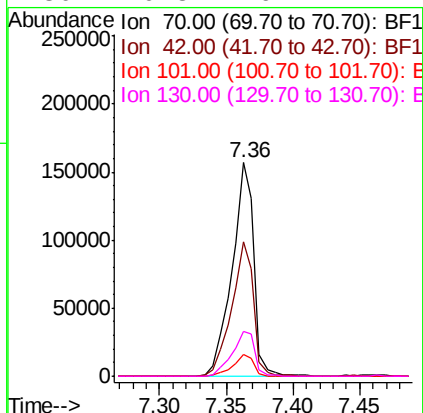
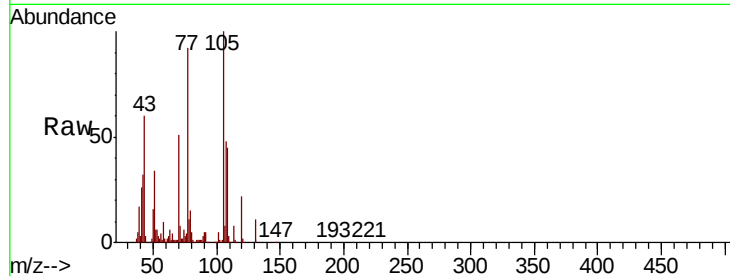




#19
n-Nitroso-di-n-propylamine
Concen: 37.229 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

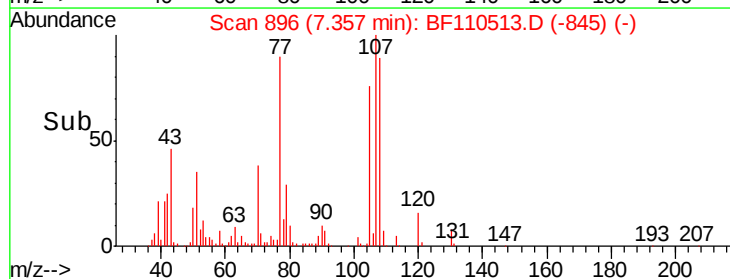
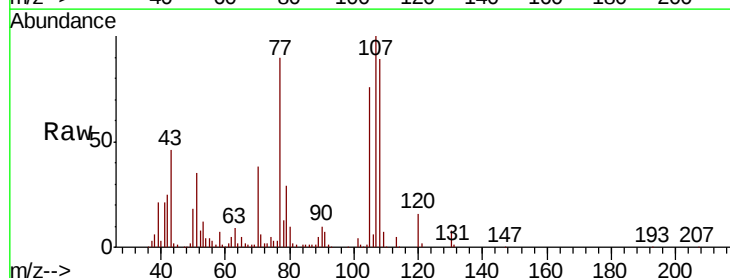
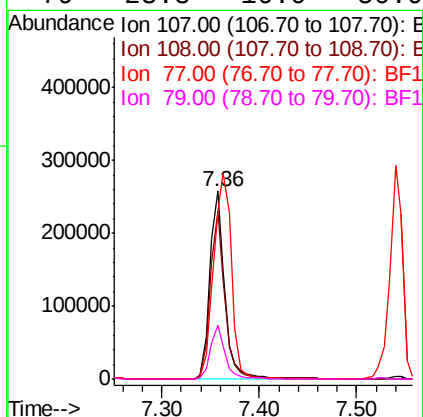
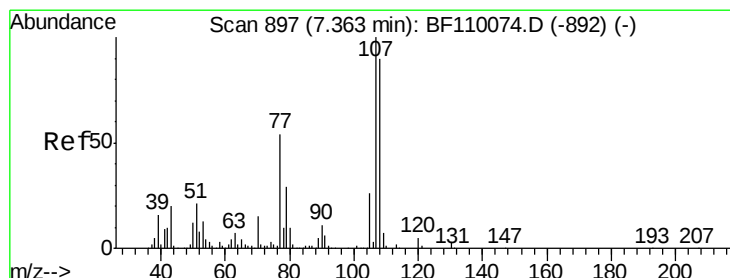
Instrument :
BNA_F
ClientSampled :

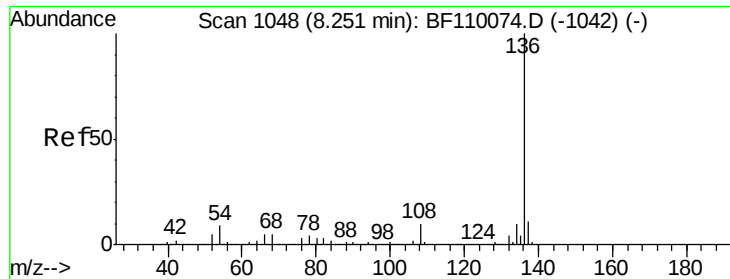
Tot Ion:	70	Resp:	180126
Ion	Ratio	Lower	Upper
70	100		
42	63.2	47.4	71.2
101	9.9	7.3	10.9
130	20.8	16.2	24.2



#20
3+4-Methylphenols
Concen: 38.605 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Tgt Ion:	107	Resp:	270349
Ion	Ratio	Lower	Upper
107	100		
108	89.1	71.4	111.4
77	89.5	47.3	87.3#
79	28.8	10.9	50.9

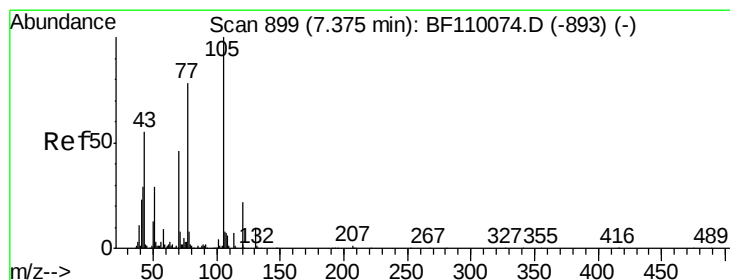
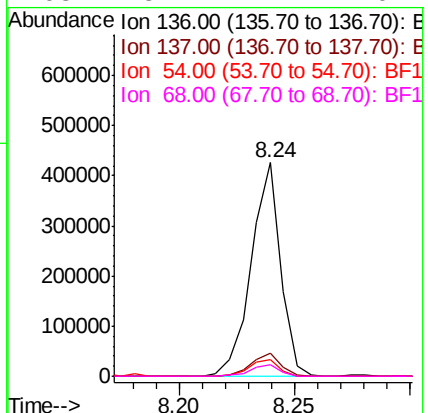
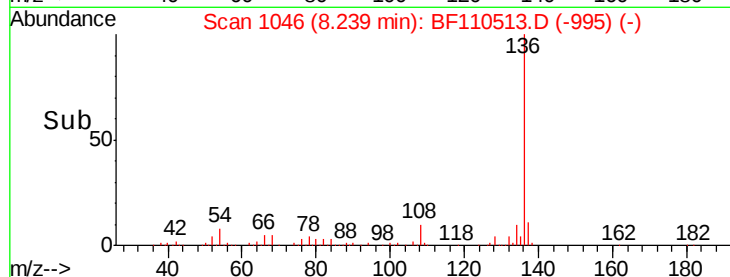
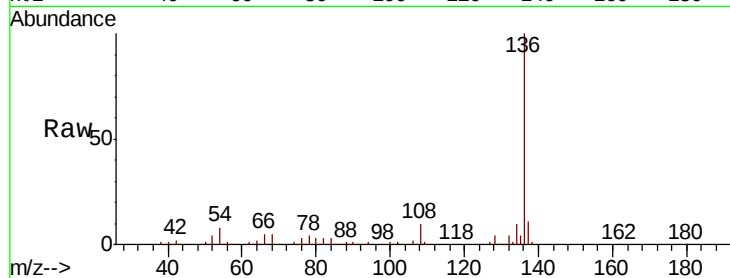




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

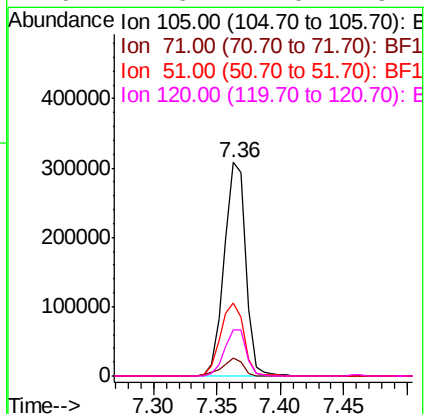
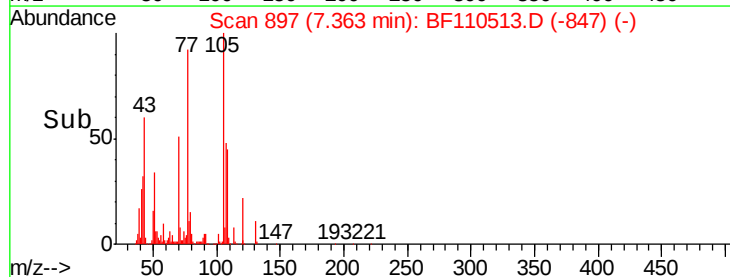
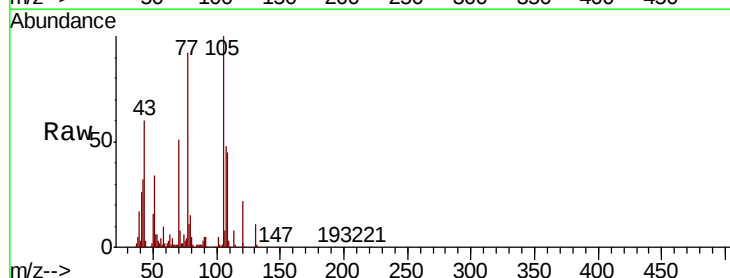
Instrument :
BNA_F
ClientSampleId :

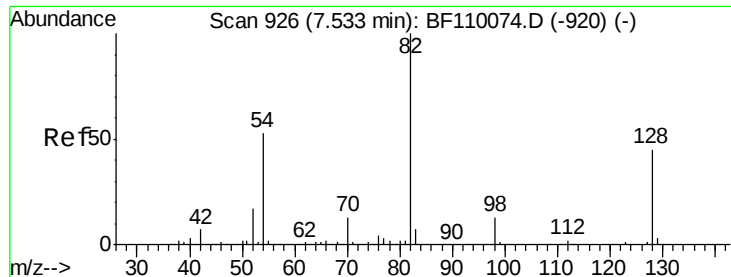
Tot Ion:136	Resp:	380257
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.8 13.2
54	7.6	5.4 8.2
68	5.2	4.2 6.2



#22
Acetophenone
Concen: 41.278 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Tgt Ion:105	Resp:	361677
Ion	Ratio	Lower Upper
105	100	
71	8.3	5.2 7.8#
51	34.1	21.8 32.8#
120	21.6	17.0 25.4

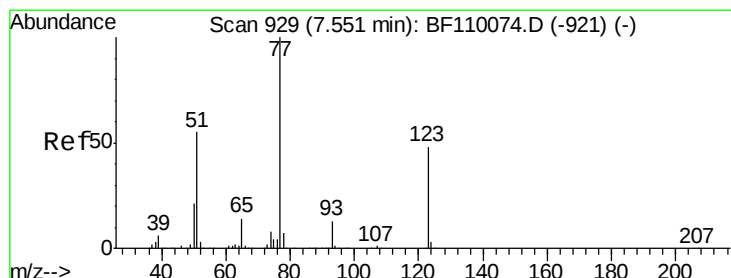
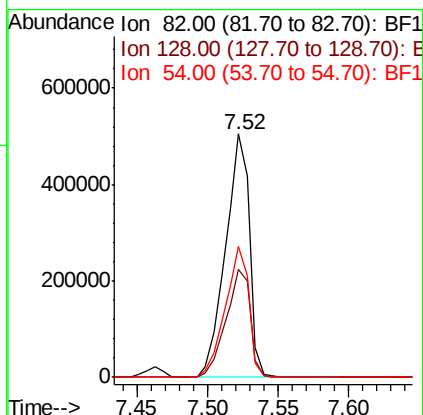
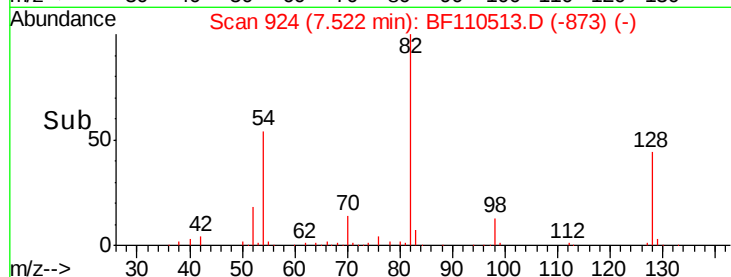
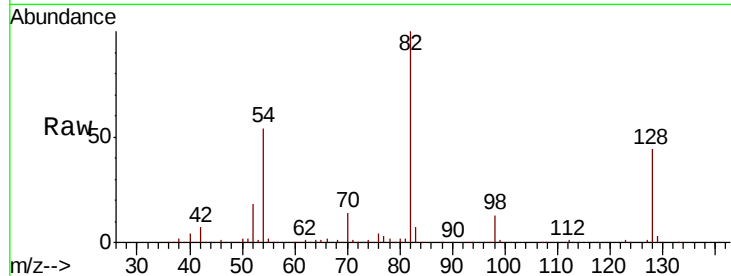




#23
Nitrobenzene-d5
Concen: 92.567 ng
RT: 7.52 min Scan# 924
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

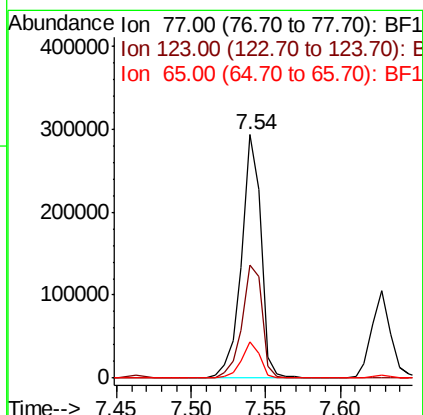
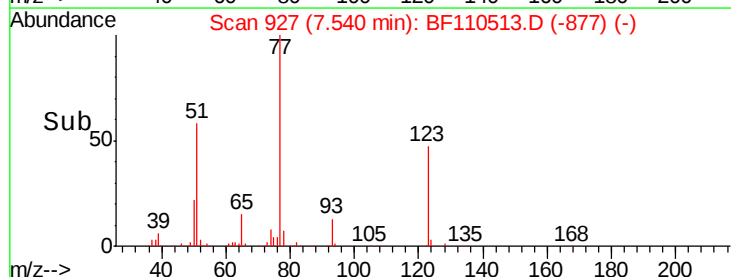
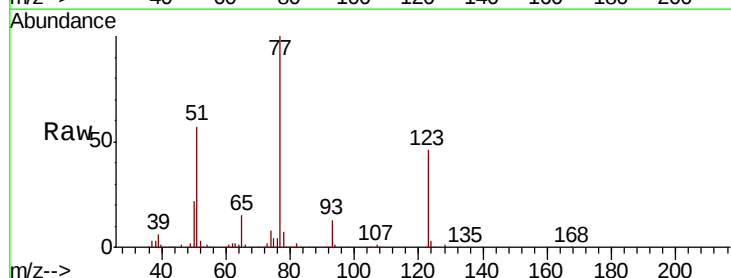
Instrument :
BNA_F
ClientSampled :

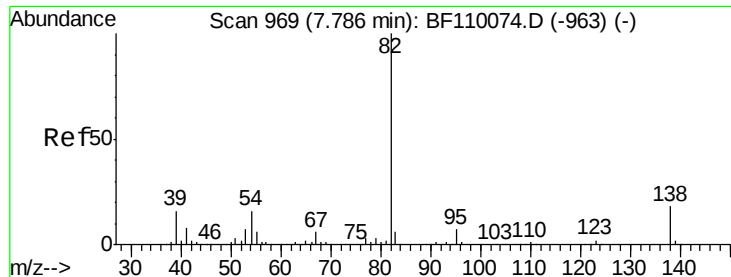
Tot Ion: 82 Resp: 593446
Ion Ratio Lower Upper
82 100
128 44.4 34.2 51.2
54 53.8 38.6 58.0



#24
Nitrobenzene
Concen: 40.023 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.01 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Tgt Ion: 77 Resp: 264907
Ion Ratio Lower Upper
77 100
123 46.3 35.7 53.5
65 14.7 10.7 16.1





#25

Isophorone

Concen: 44.432 ng

RT: 7.77 min Scan# 967

Delta R.T. 0.00 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

Instrument :

BNA_F

ClientSampleId :

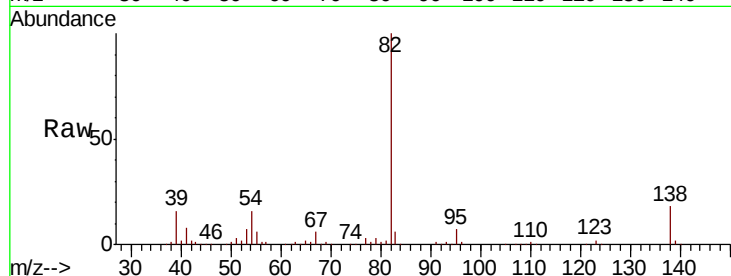
Tot Ion: 82 Resp: 485563

Ion Ratio Lower Upper

82 100

95 7.4 5.7 8.5

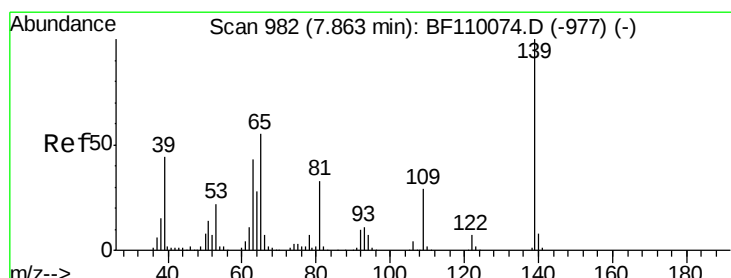
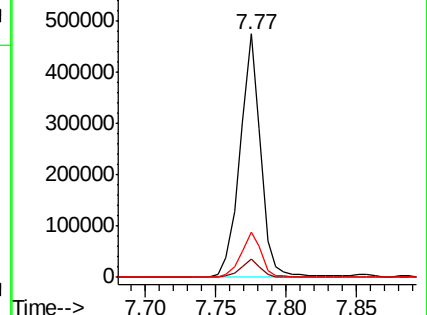
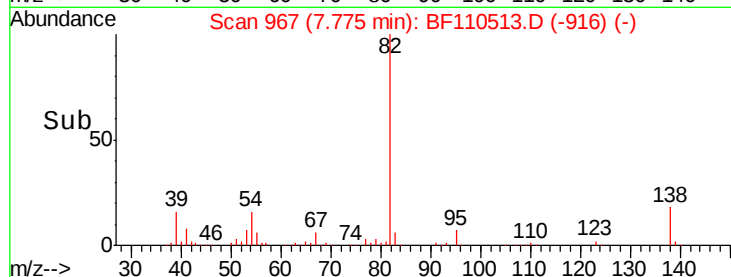
138 18.4 13.2 19.8



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 42.315 ng

RT: 7.86 min Scan# 981

Delta R.T. 0.00 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

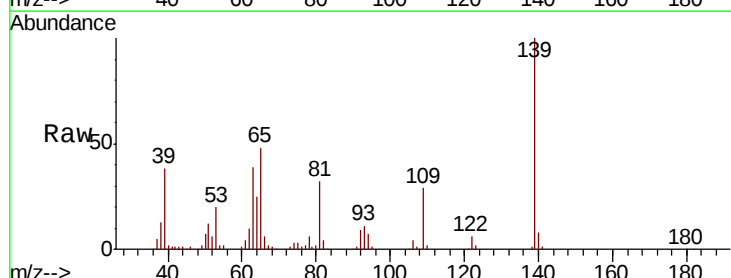
Tgt Ion: 139 Resp: 133279

Ion Ratio Lower Upper

139 100

109 29.2 25.0 37.6

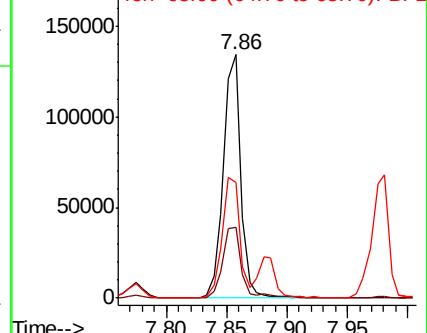
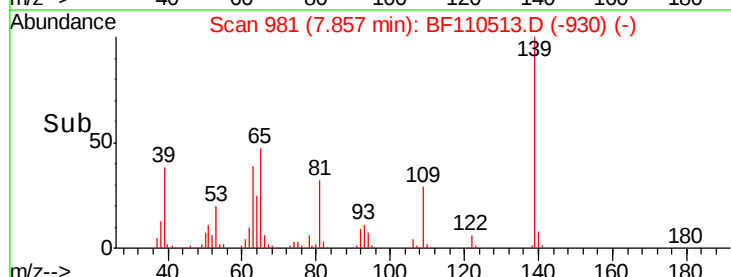
65 47.7 44.0 66.0

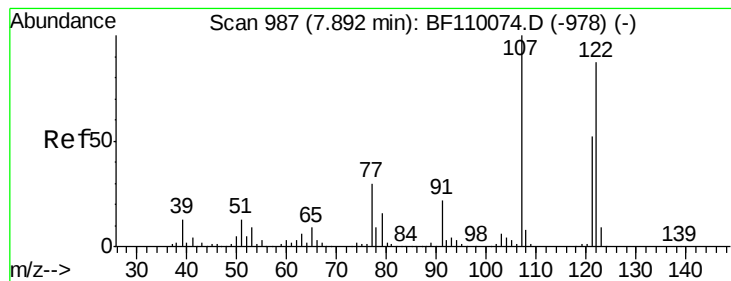


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 44.463 ng

RT: 7.89 min Scan# 986

Delta R.T. 0.00 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

Instrument :

BNA_F

ClientSampleId :

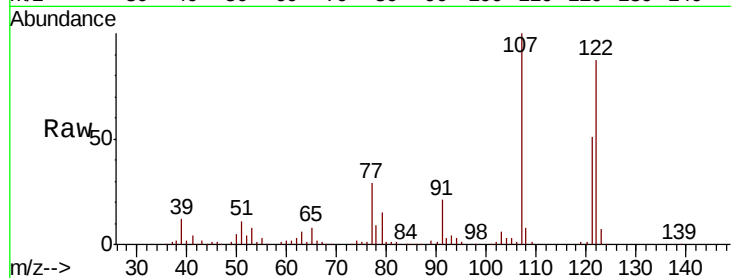
Tot Ion:122 Resp: 232187

Ion Ratio Lower Upper

122 100

107 115.5 92.5 138.7

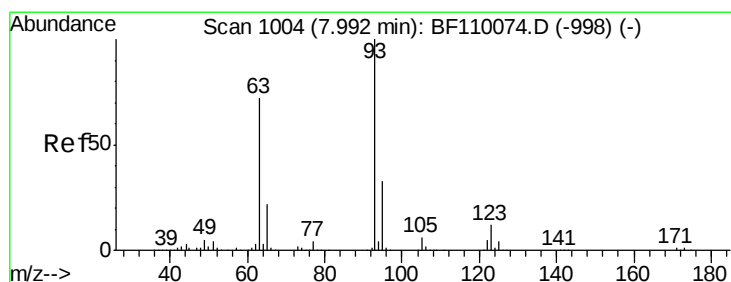
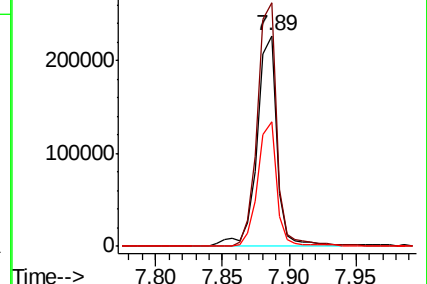
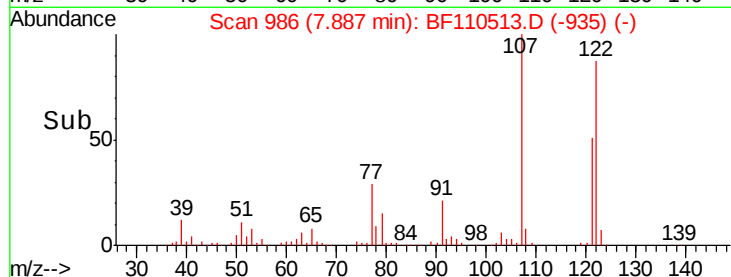
121 59.2 45.8 68.8



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: 41.347 ng

RT: 7.98 min Scan# 1002

Delta R.T. 0.00 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

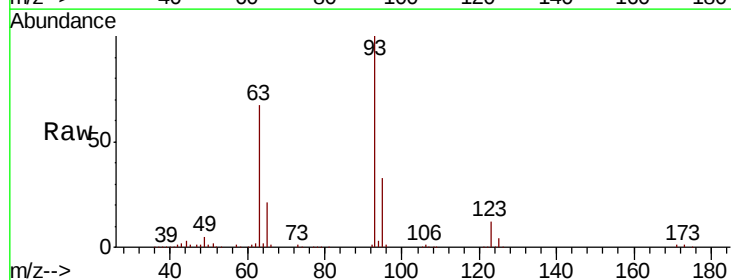
Tgt Ion: 93 Resp: 306960

Ion Ratio Lower Upper

93 100

95 33.2 26.4 39.6

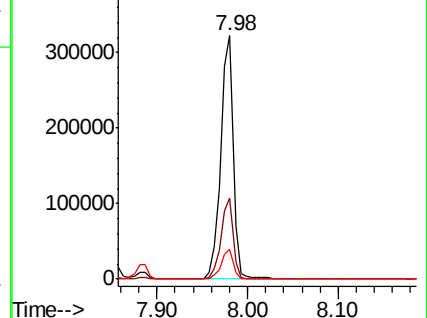
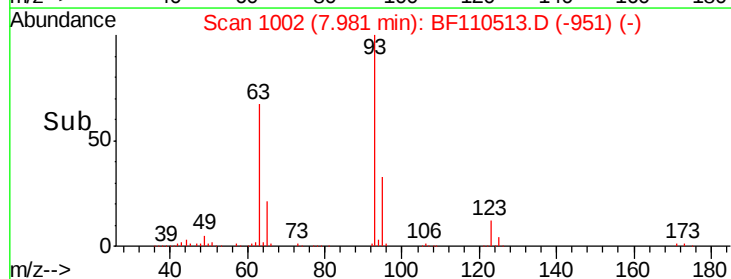
123 12.1 9.0 13.6

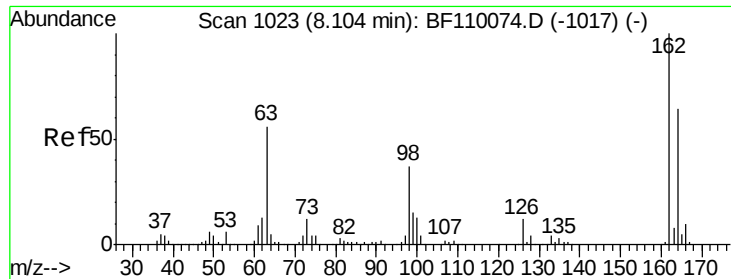


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

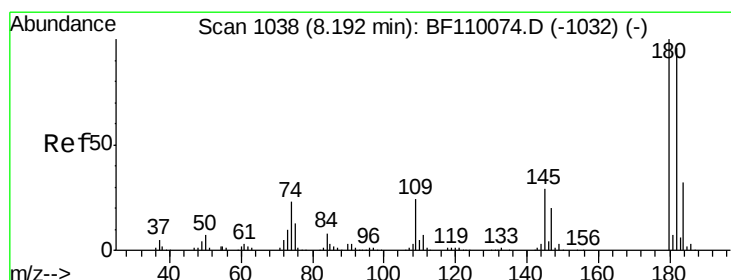
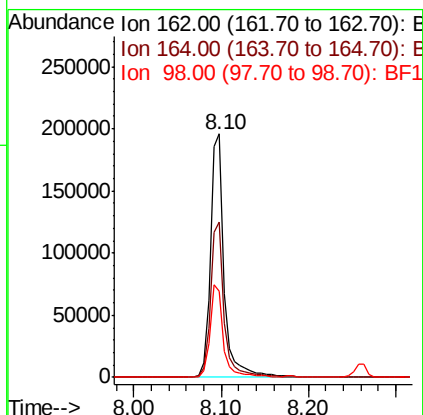
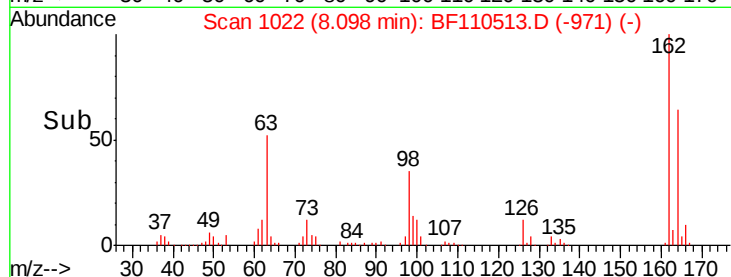
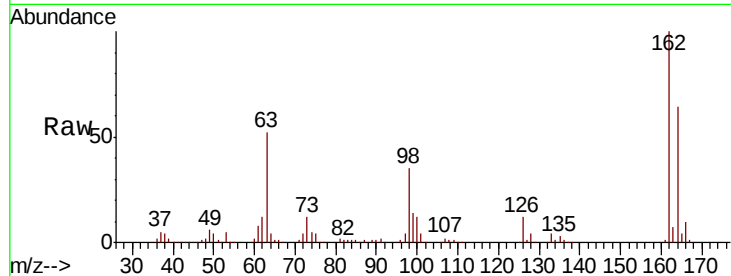




#29
2,4-Dichlorophenol
Concen: 40.535 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

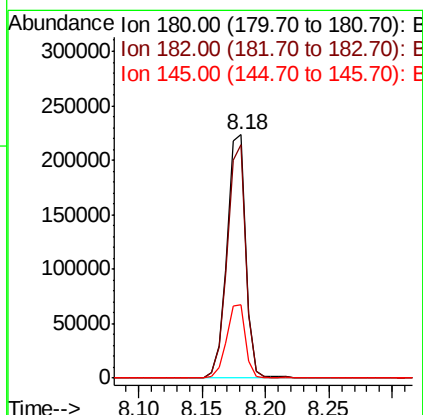
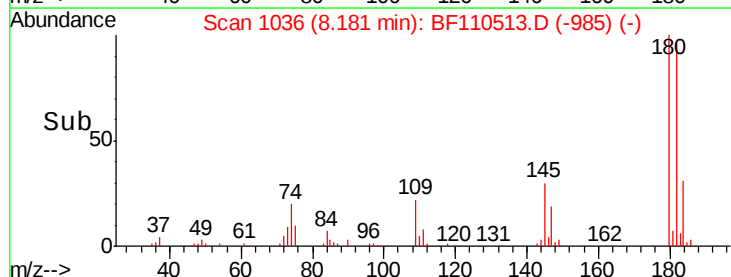
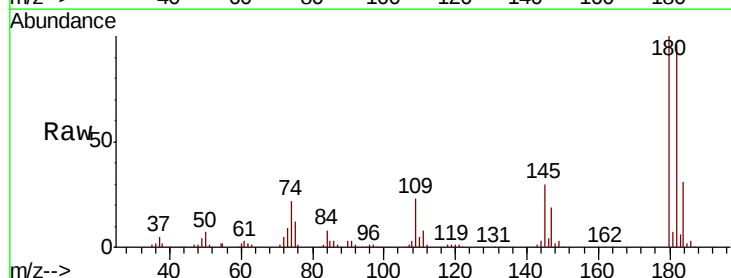
Instrument :
BNA_F
ClientSampled :

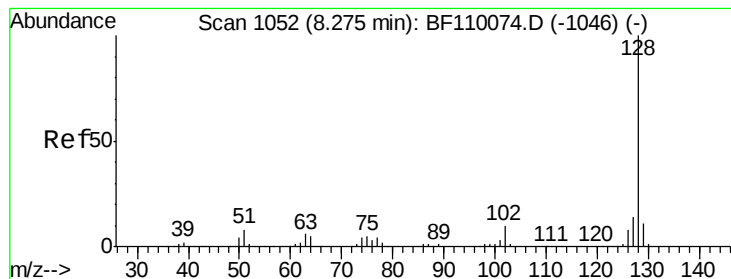
Tot Ion	Ratio	Lower	Upper
162	100		
164	64.0	44.6	84.6
98	35.2	17.4	57.4



#30
1,2,4-Trichlorobenzene
Concen: 38.850 ng
RT: 8.18 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	80.3	120.5
145	30.0	25.4	38.0





#31

Naphthalene

Concen: 42.101 ng

RT: 8.26 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

Instrument :

BNA_F

ClientSampleId :

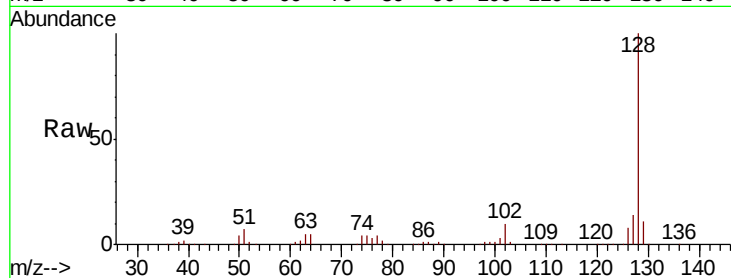
Tot Ion:128 Resp: 737840

Ion Ratio Lower Upper

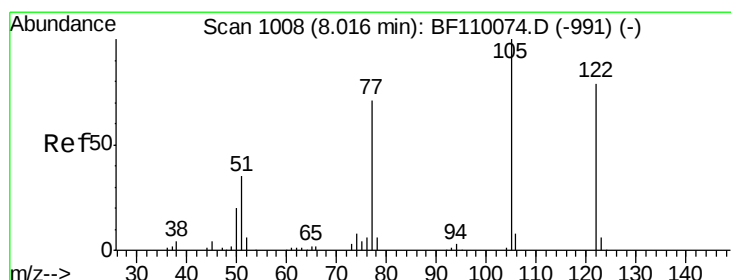
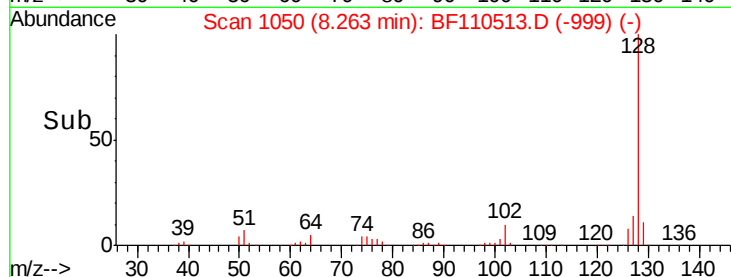
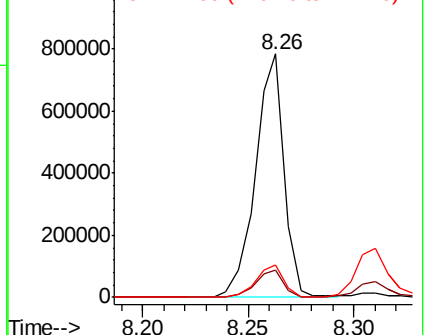
128 100

129 11.0 8.8 13.2

127 13.6 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: 57.528 ng

RT: 7.89 min Scan# 986

Delta R.T. -0.12 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

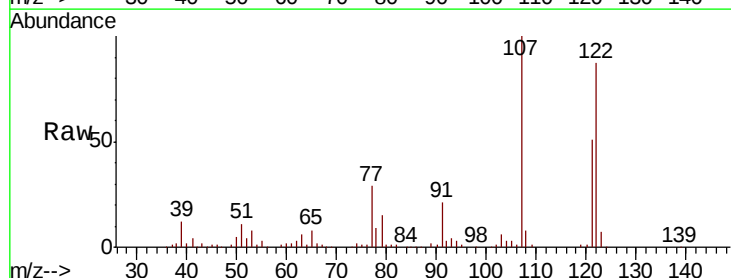
Tgt Ion:122 Resp: 232187

Ion Ratio Lower Upper

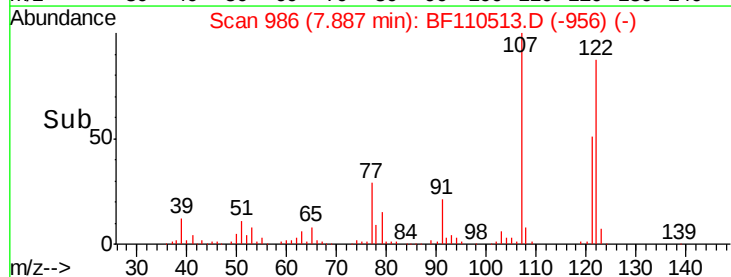
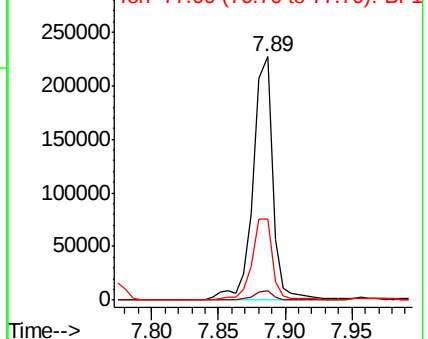
122 100

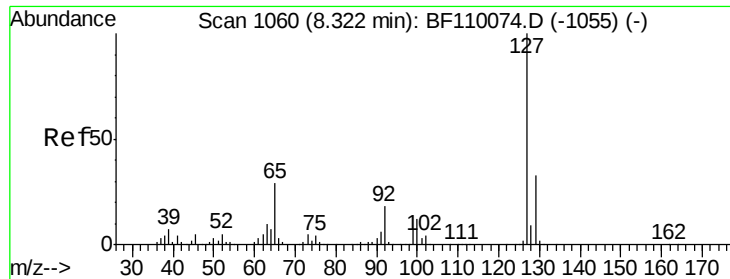
105 3.9 109.0 149.0#

77 33.5 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

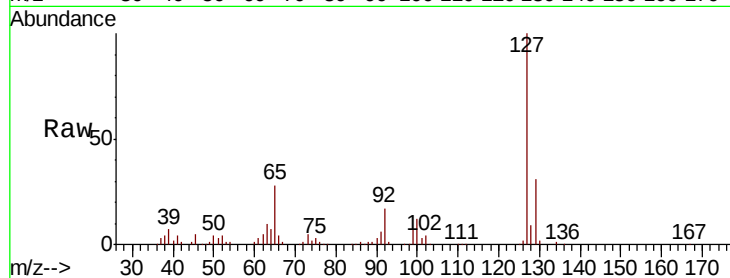




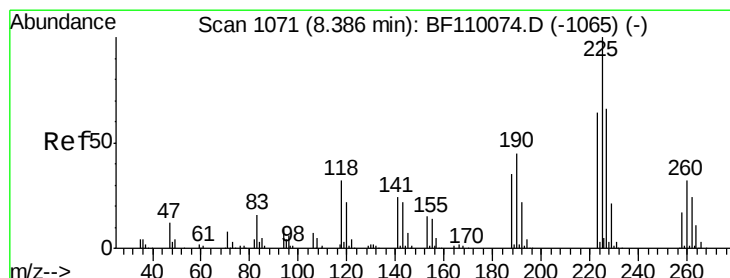
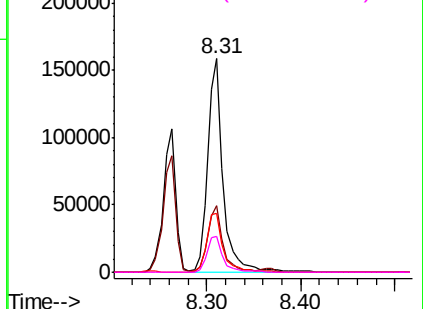
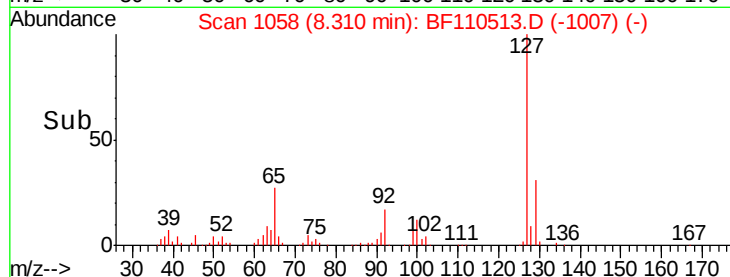
#33
4-Chloroaniline
Concen: 23.127 ng
RT: 8.31 min Scan# 1058
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Instrument :
BNA_F
ClientSampled :

Tot Ion:	127	Resp:	182418
Ion	Ratio	Lower	Upper
127	100		
129	31.4	26.0	39.0
65	27.6	25.1	37.7
92	16.5	15.0	22.6

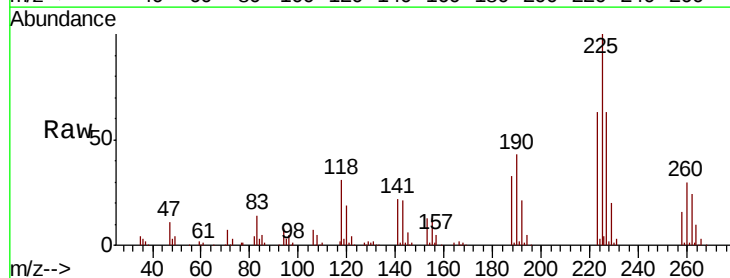


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

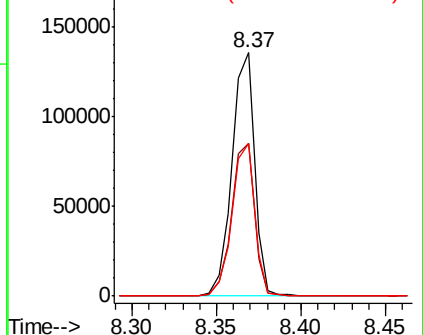
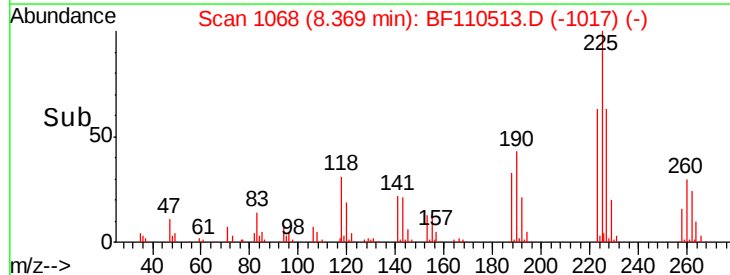


#34
Hexachlorobutadiene
Concen: 38.506 ng
RT: 8.37 min Scan# 1068
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Tgt Ion:	225	Resp:	126346
Ion	Ratio	Lower	Upper
225	100		
223	62.5	51.4	77.2
227	62.6	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

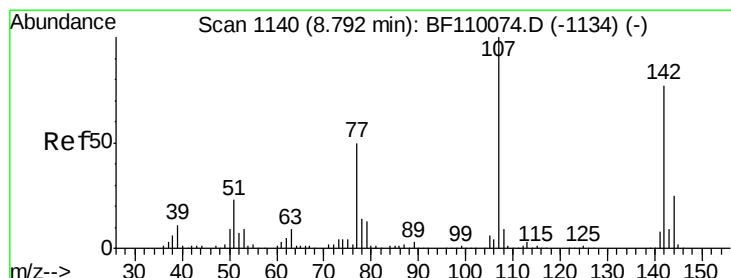
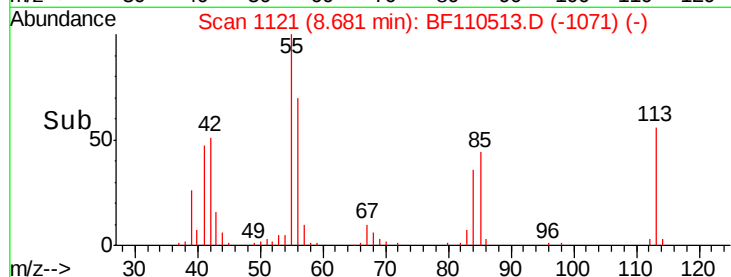
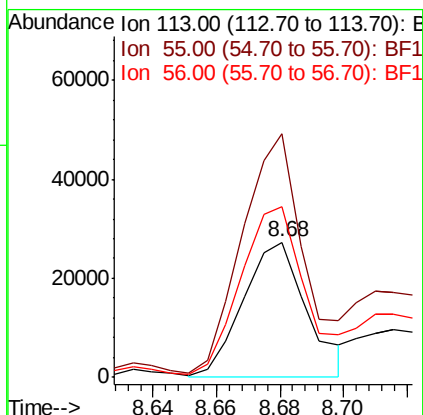
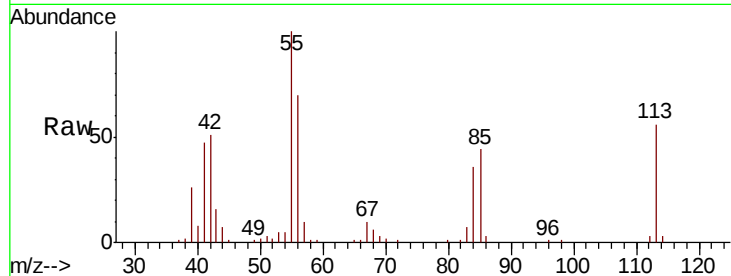




#35
 Caprolactam
 Concen: 20.683 ng
 RT: 8.68 min Scan# 1121
 Delta R.T. -0.01 min
 Lab File: BF110513.D
 Acq: 6 Nov 2018 14:18

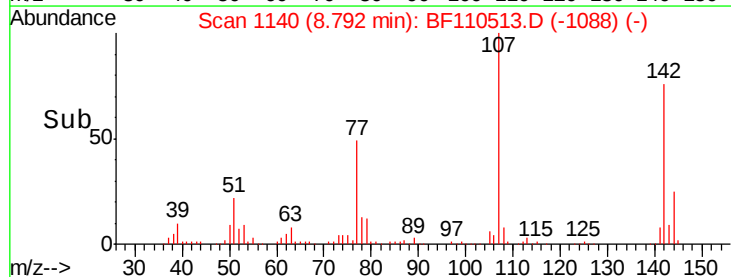
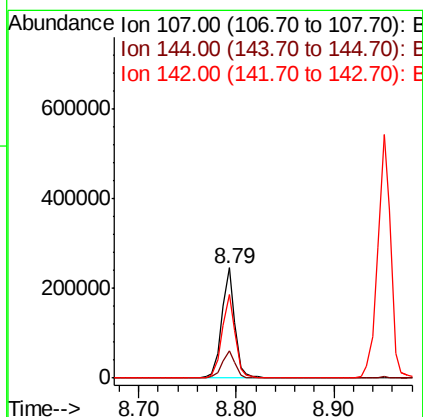
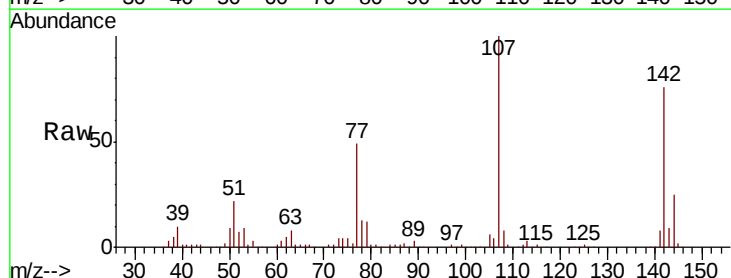
Instrument :
 BNA_F
 ClientSampleId :

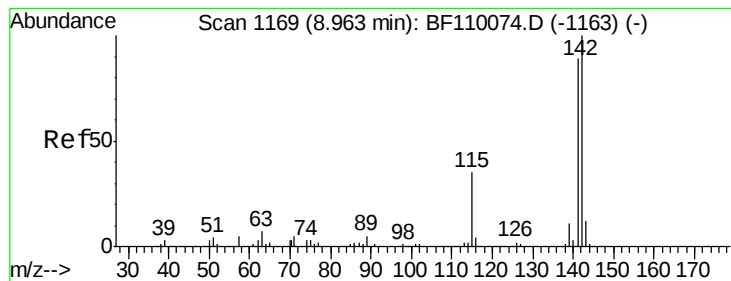
Tot Ion:113 Resp: 38033
 Ion Ratio Lower Upper
 113 100
 55 180.0 142.8 182.8
 56 126.5 105.0 145.0



#36
 4-Chloro-3-methylphenol
 Concen: 39.951 ng
 RT: 8.79 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: BF110513.D
 Acq: 6 Nov 2018 14:18

Tgt Ion:107 Resp: 227921
 Ion Ratio Lower Upper
 107 100
 144 24.8 20.0 30.0
 142 76.0 59.7 89.5

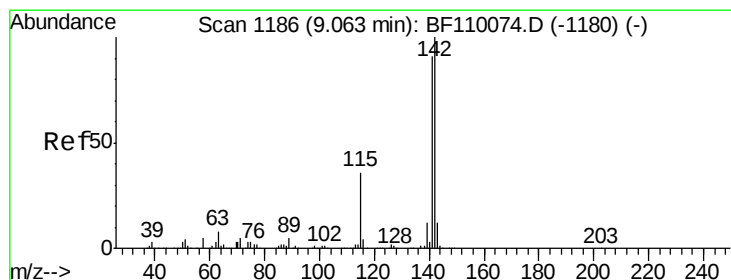
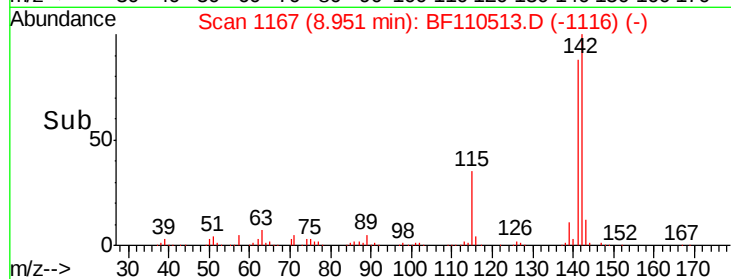
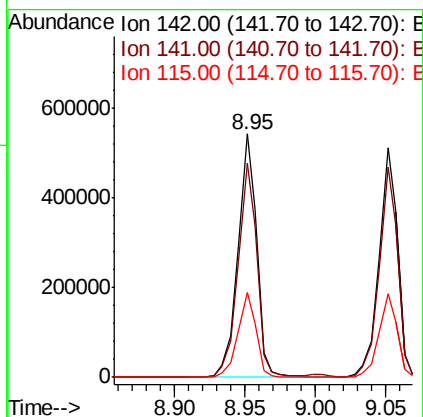
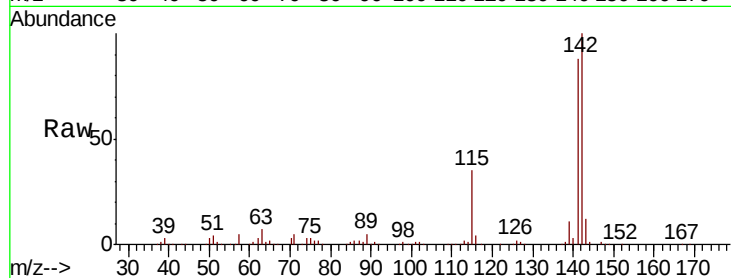




#37
 2-Methylnaphthalene
 Concen: 43.115 ng
 RT: 8.95 min Scan# 1167
 Delta R.T. 0.00 min
 Lab File: BF110513.D
 Acq: 6 Nov 2018 14:18

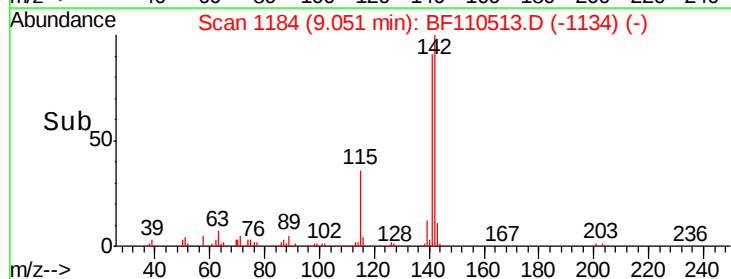
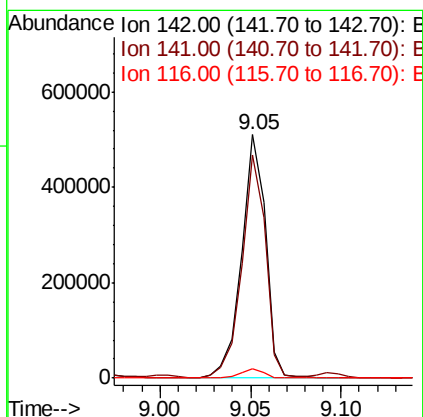
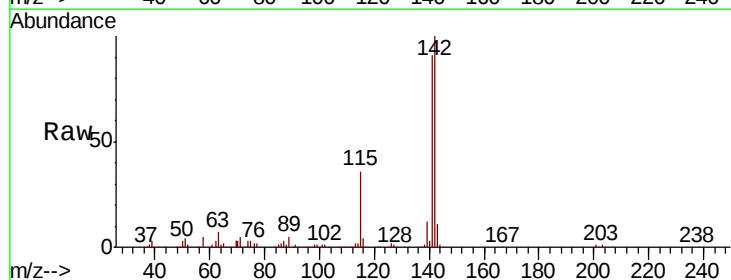
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.4	107.2
115	35.0	28.7	43.1



#38
 1-Methylnaphthalene
 Concen: 41.498 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF110513.D
 Acq: 6 Nov 2018 14:18

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.4	74.2	111.4
116	3.8	2.6	4.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

Instrument :

BNA_F

ClientSampleId :

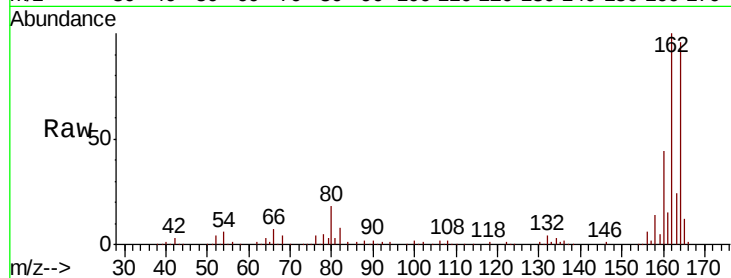
Tot Ion:164 Resp: 169078

Ion Ratio Lower Upper

164 100

162 103.7 83.0 124.6

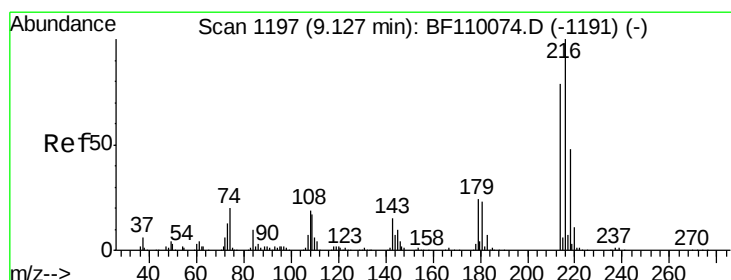
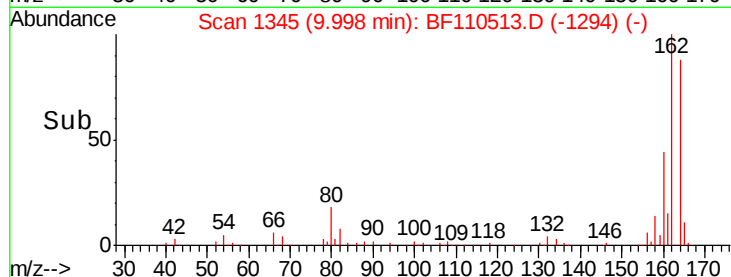
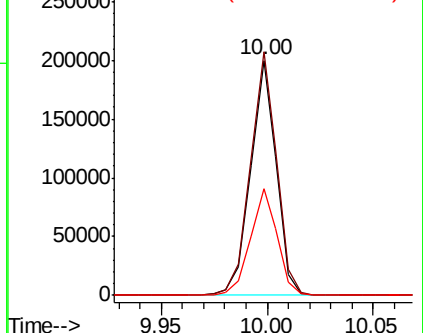
160 45.6 37.0 55.6



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: 39.785 ng

RT: 9.12 min Scan# 1195

Delta R.T. -0.01 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

Tgt Ion:216 Resp: 209593

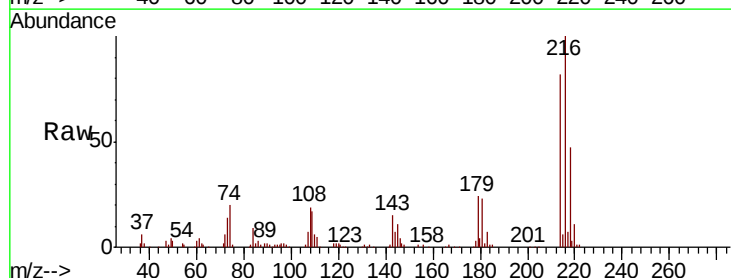
Ion Ratio Lower Upper

216 100

214 80.1 63.8 95.6

179 22.9 16.6 25.0

108 19.0 15.1 22.7

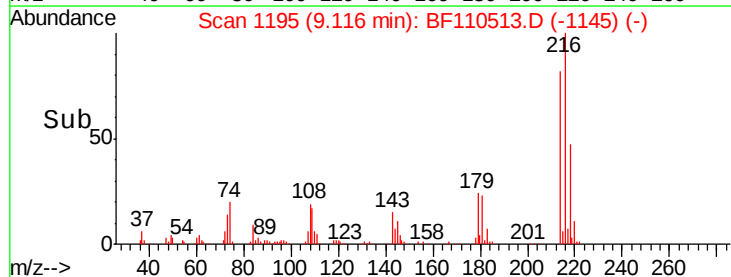
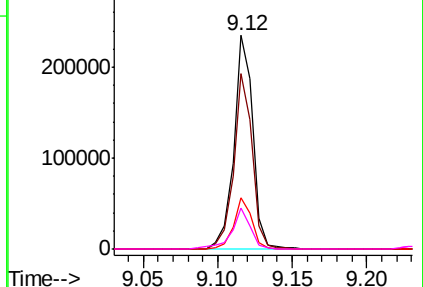


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 25.187 ng

RT: 9.10 min Scan# 1192

Delta R.T. 0.00 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

Instrument :

BNA_F

ClientSampleId :

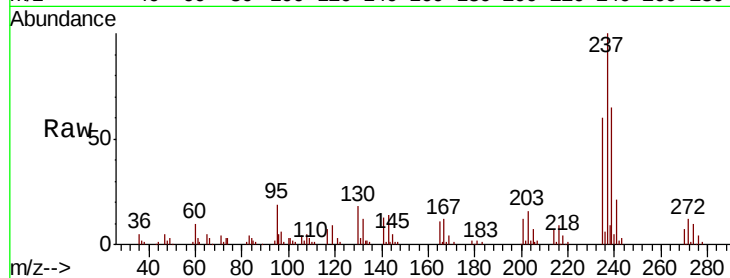
Tot Ion:237 Resp: 67847

Ion Ratio Lower Upper

237 100

235 60.4 43.1 83.1

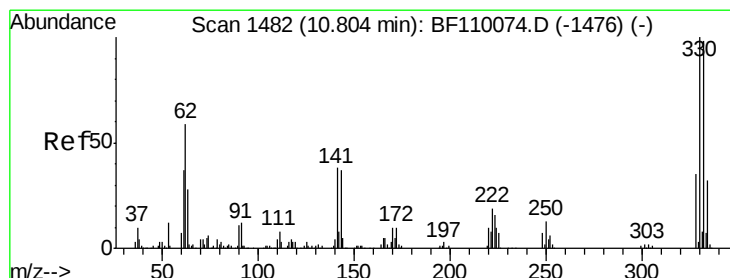
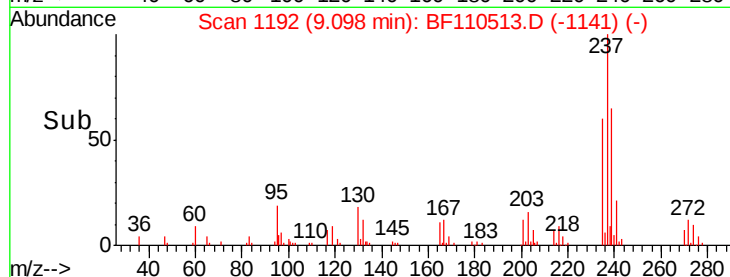
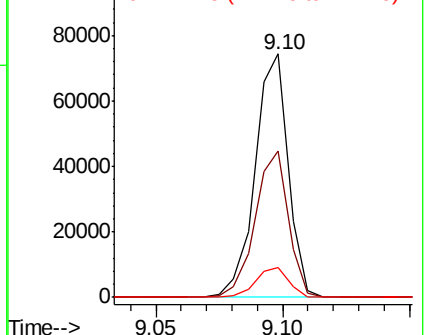
272 12.1 0.0 32.6



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: 113.960 ng

RT: 10.79 min Scan# 1480

Delta R.T. 0.00 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

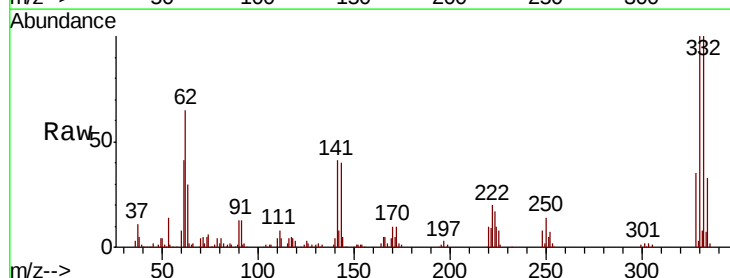
Tgt Ion:330 Resp: 190864

Ion Ratio Lower Upper

330 100

332 97.8 77.1 115.7

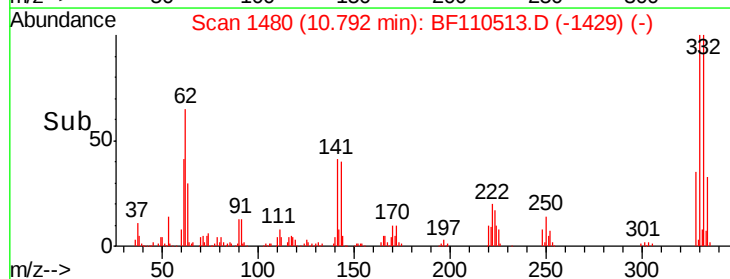
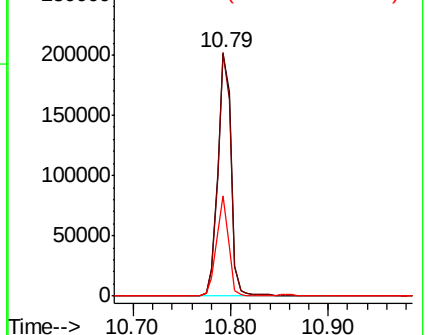
141 37.7 27.0 40.4

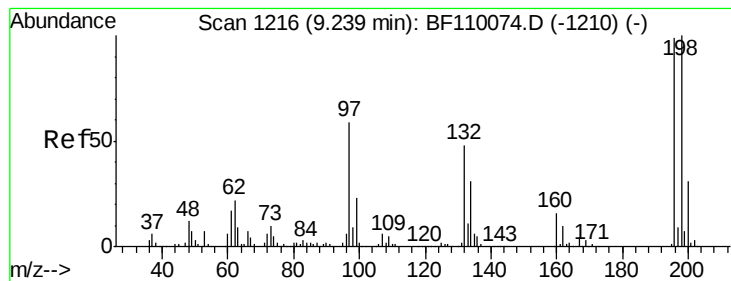


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#43

2,4,6-Trichlorophenol

Concen: 39.795 ng

RT: 9.23 min Scan# 1215

Delta R.T. 0.00 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

Instrument :

BNA_F

ClientSampled :

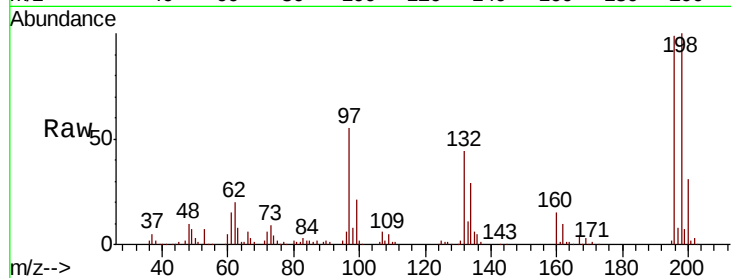
Tot Ion:196 Resp: 135220

Ion Ratio Lower Upper

196 100

198 101.5 76.2 114.4

200 31.8 24.4 36.6

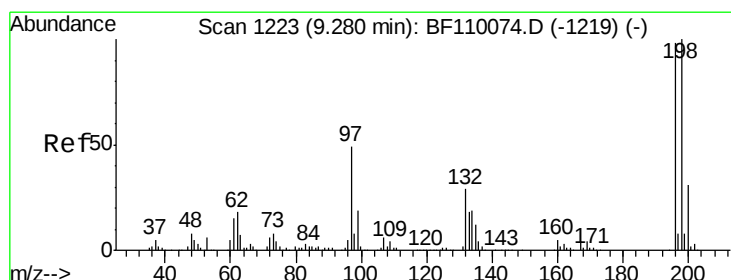
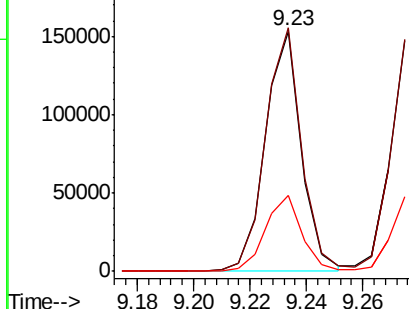
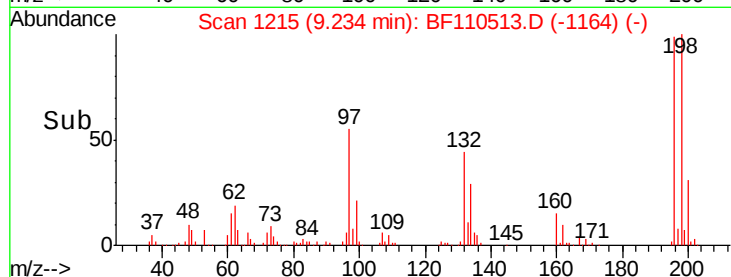


Abundance

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: 40.253 ng

RT: 9.27 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

Tgt Ion:196 Resp: 144575

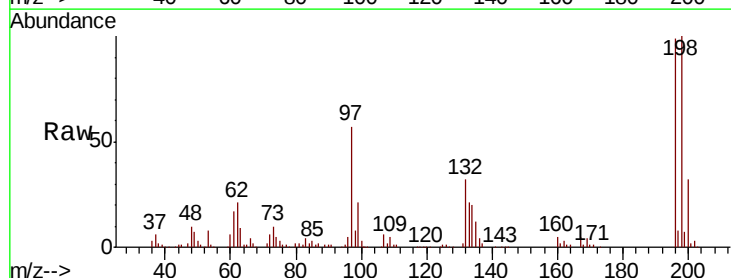
Ion Ratio Lower Upper

196 100

198 101.0 75.8 113.6

97 57.8 42.4 63.6

132 32.6 22.8 34.2



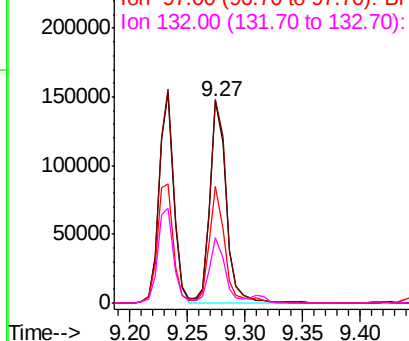
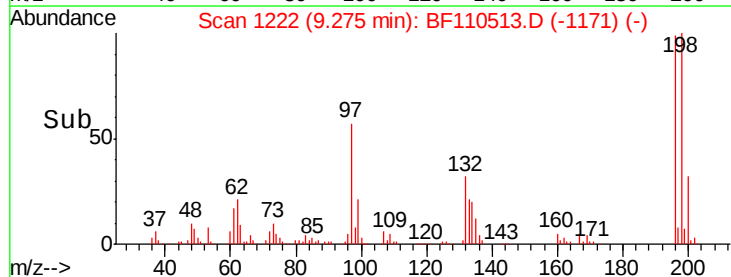
Abundance

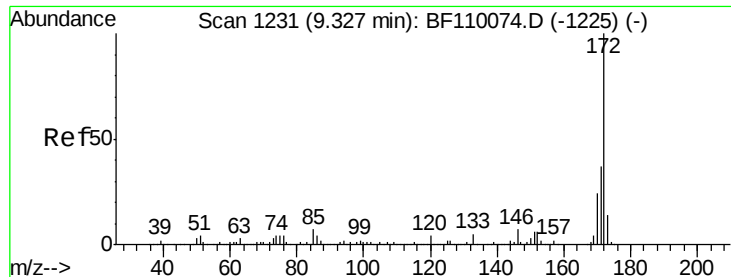
Ion 196.00 (195.70 to 196.70): E

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

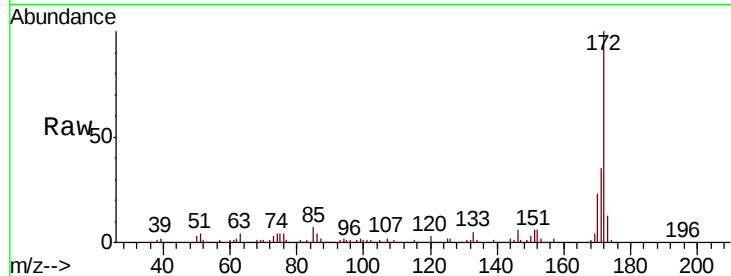




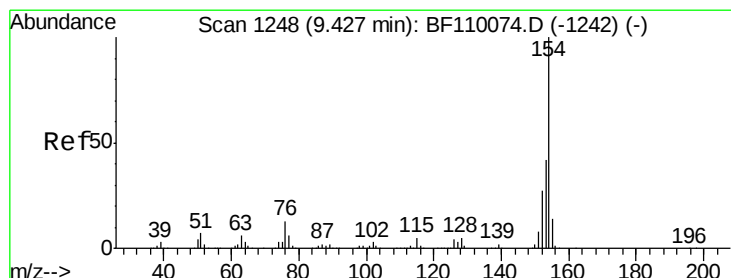
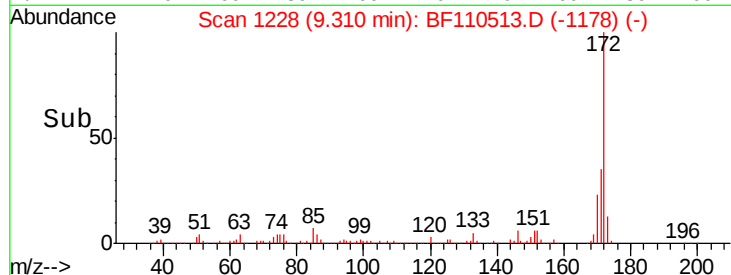
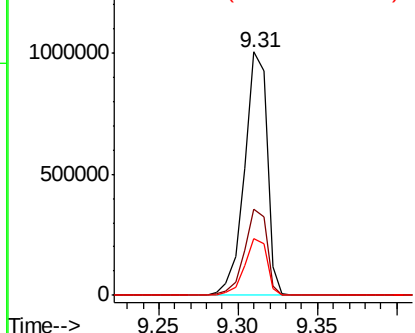
#45
2-Fluorobiphenyl
Concen: 92.300 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	43.0
170	23.4	19.7	29.5

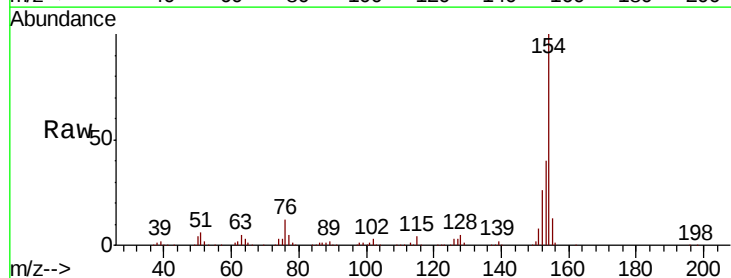


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

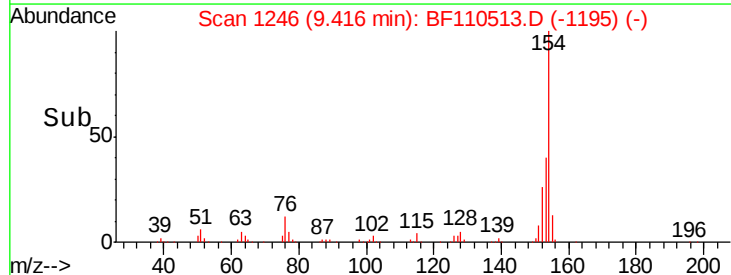
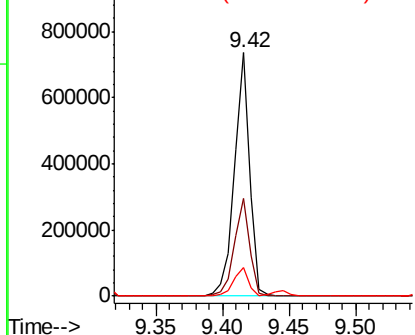


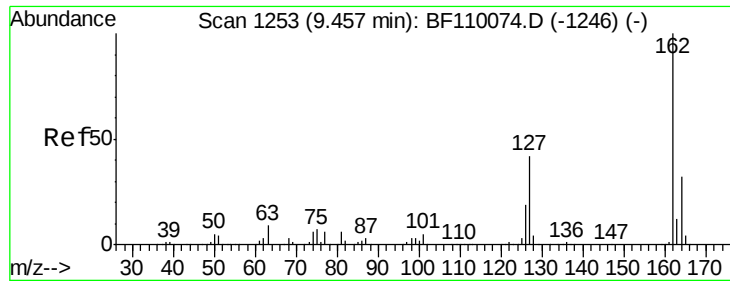
#46
1,1'-Biphenyl
Concen: 38.952 ng
RT: 9.42 min Scan# 1246
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.4	60.4
76	11.6	0.0	31.9



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

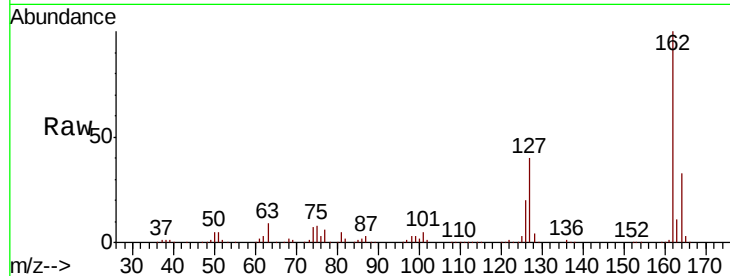




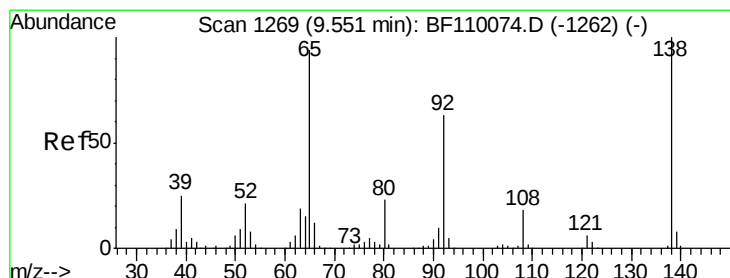
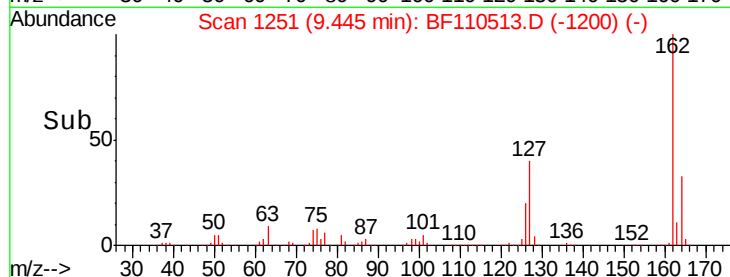
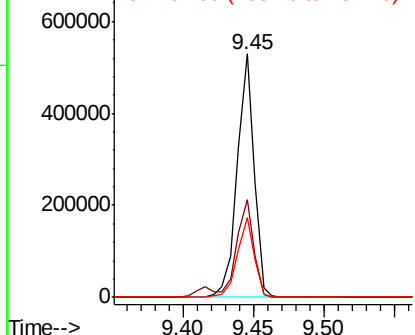
#47
 2-Chloronaphthalene
 Concen: 39.547 ng
 RT: 9.45 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: BF110513.D
 Acq: 6 Nov 2018 14:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:162 Resp: 443542
 Ion Ratio Lower Upper
 162 100
 127 40.2 32.6 48.8
 164 32.6 25.9 38.9

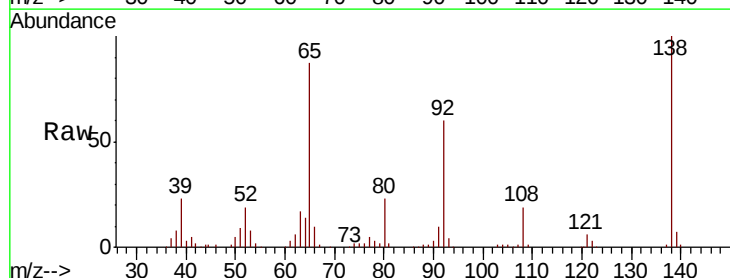


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

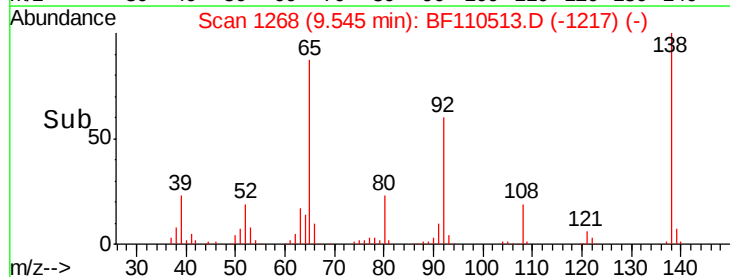
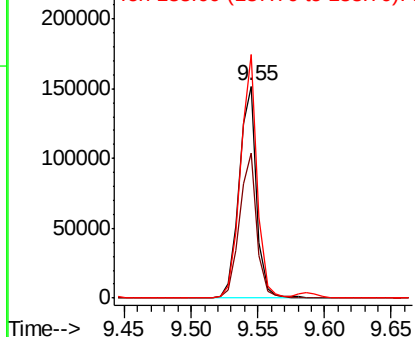


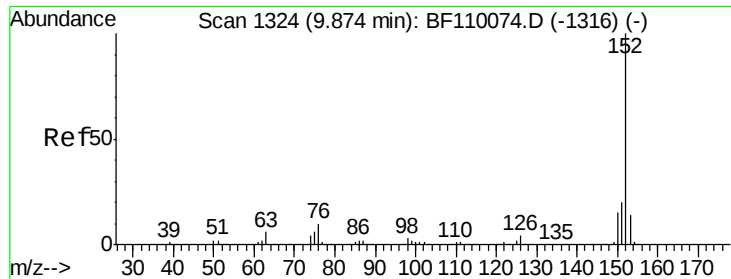
#48
 2-Nitroaniline
 Concen: 40.883 ng
 RT: 9.55 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: BF110513.D
 Acq: 6 Nov 2018 14:18

Tgt Ion: 65 Resp: 138947
 Ion Ratio Lower Upper
 65 100
 92 68.5 54.6 81.8
 138 114.9 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: 41.611 ng

RT: 9.86 min Scan# 1322

Delta R.T. 0.00 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

Instrument :

BNA_F

ClientSampled :

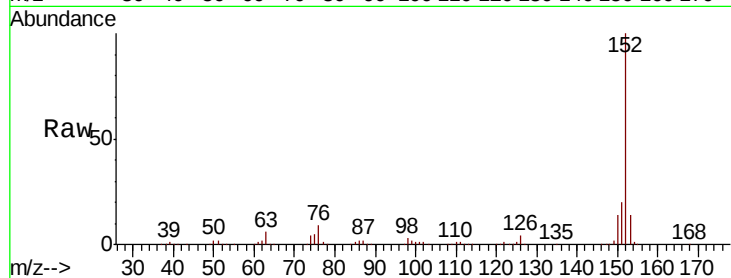
Tot Ion:152 Resp: 674056

Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.8

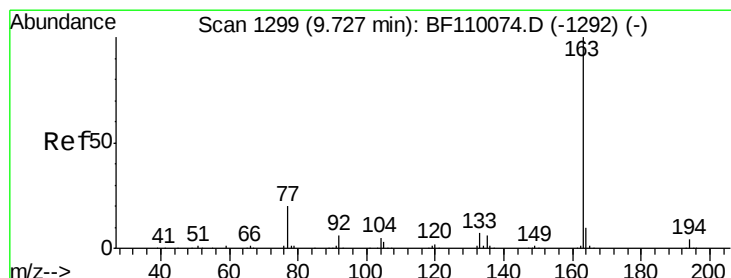
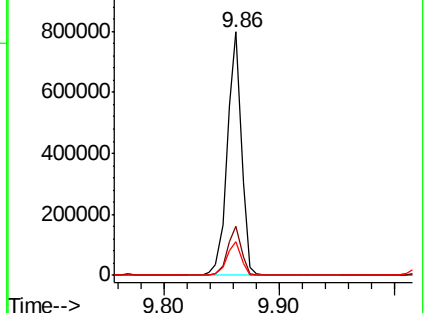
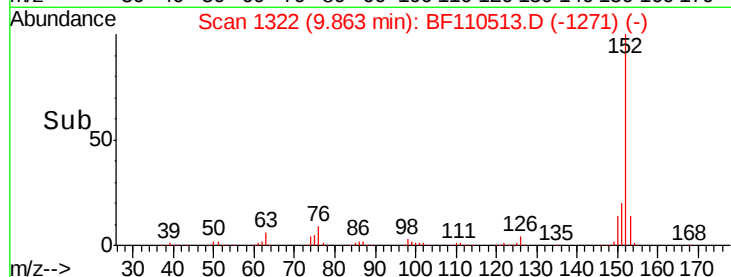
153 13.8 10.4 15.6



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: 54.062 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

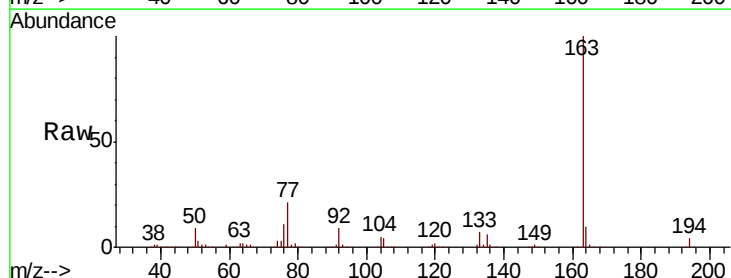
Tgt Ion:163 Resp: 674744

Ion Ratio Lower Upper

163 100

194 3.5 3.2 4.8

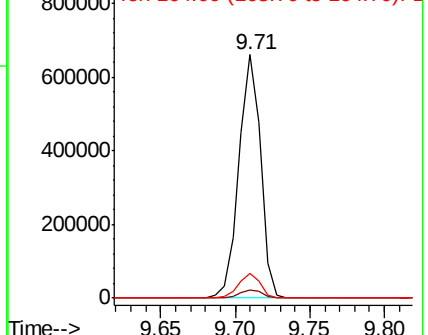
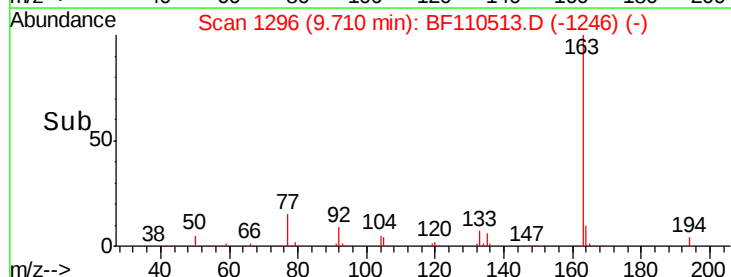
164 10.4 8.1 12.1



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: 40.816 ng

RT: 9.79 min Scan# 1309

Delta R.T. 0.01 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

Instrument :

BNA_F

ClientSampleId :

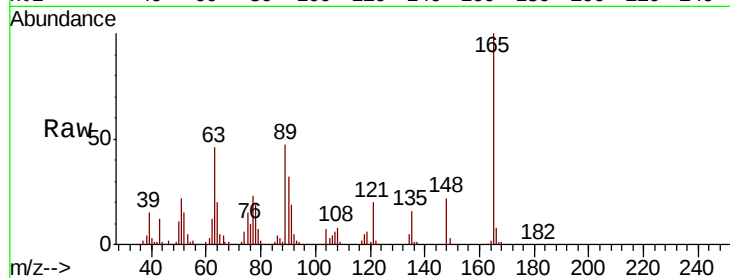
Tot Ion:165 Resp: 109731

Ion Ratio Lower Upper

165 100

63 46.2 48.9 73.3#

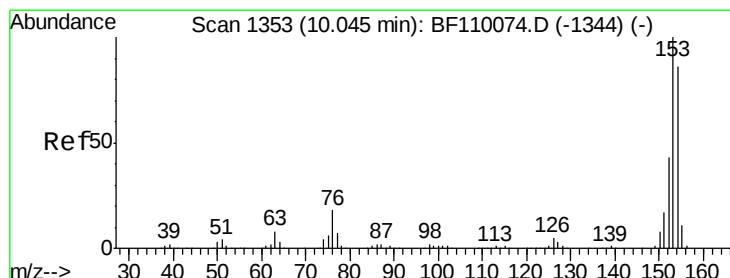
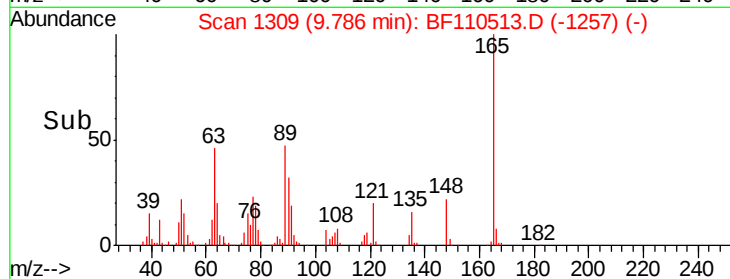
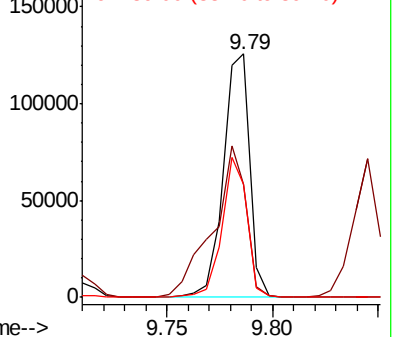
89 46.7 46.6 69.8



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: 37.388 ng

RT: 10.03 min Scan# 1351

Delta R.T. 0.00 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

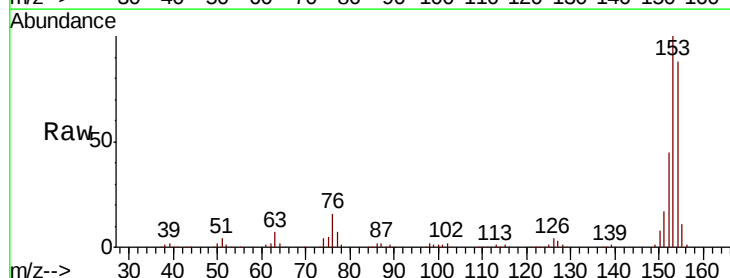
Tgt Ion:154 Resp: 400667

Ion Ratio Lower Upper

154 100

153 113.7 90.1 135.1

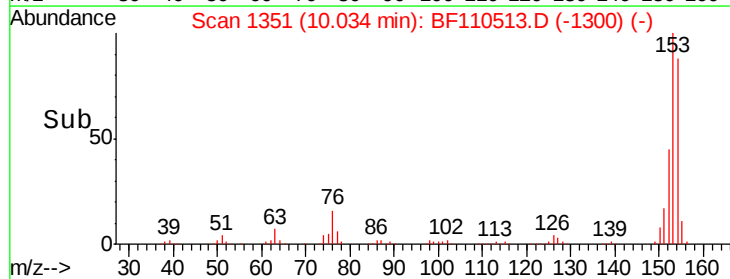
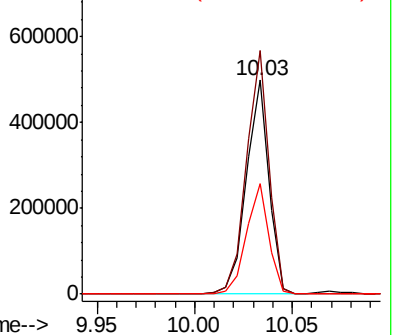
152 51.6 43.4 65.2

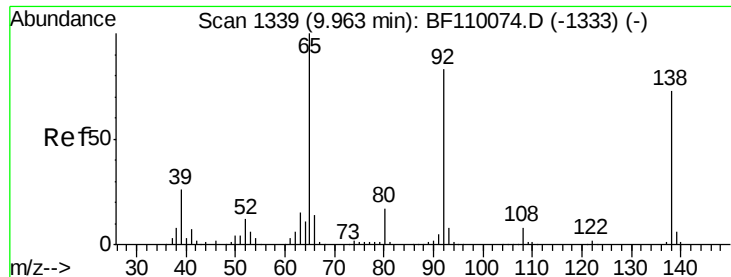


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

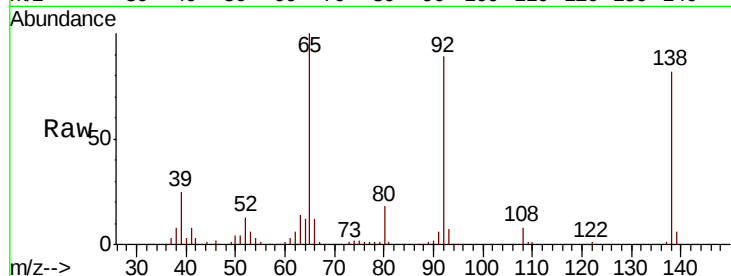




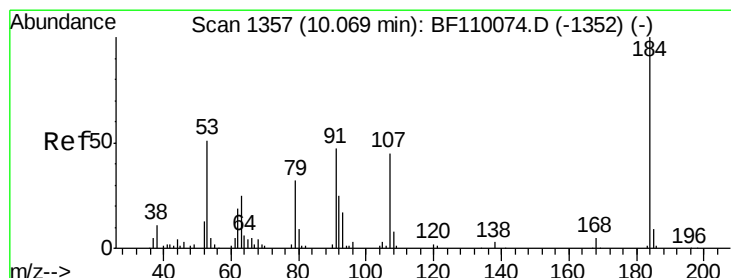
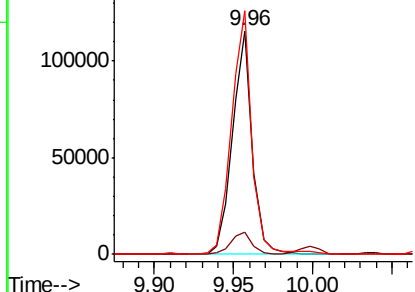
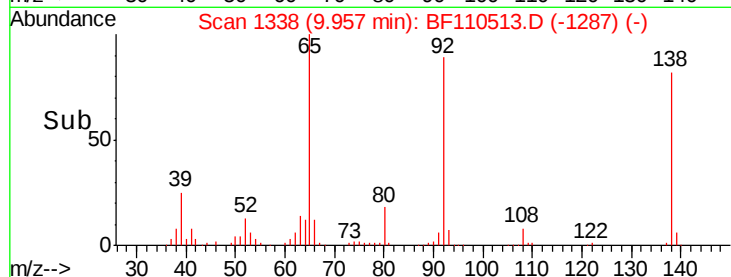
#53
3-Nitroaniline
Concen: 31.312 ng
RT: 9.96 min Scan# 1338
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:138 Resp: 100105
Ion Ratio Lower Upper
138 100
108 10.2 8.7 13.1
92 108.9 97.0 145.4

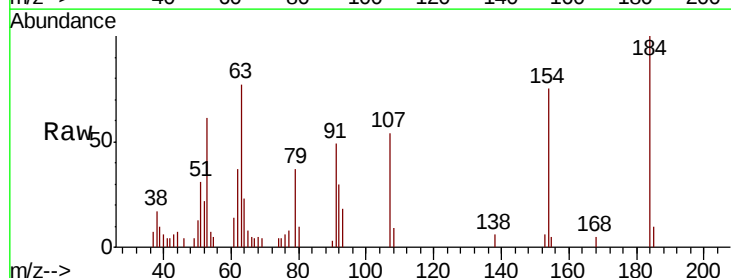


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

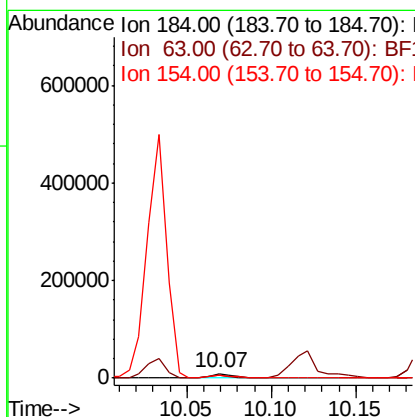
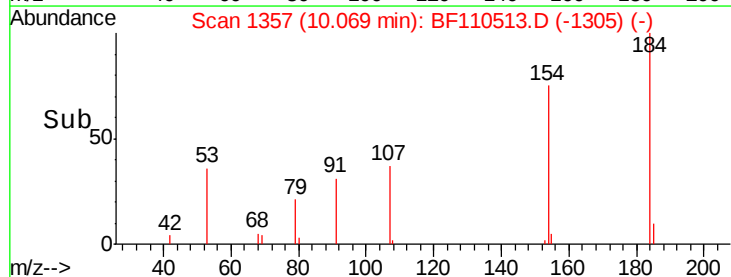


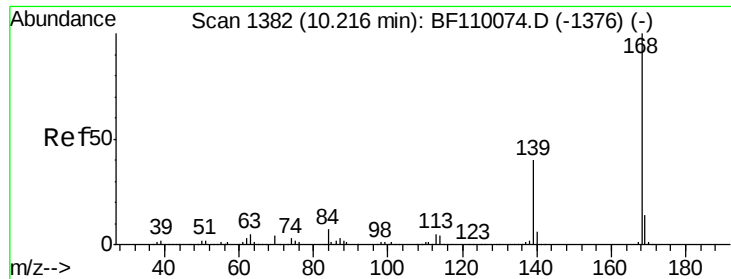
#54
2,4-Dinitrophenol
Concen: 14.477 ng
RT: 10.07 min Scan# 1357
Delta R.T. 0.01 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Tgt Ion:184 Resp: 10611
Ion Ratio Lower Upper
184 100
63 77.0 55.8 83.6
154 75.4 63.2 94.8



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

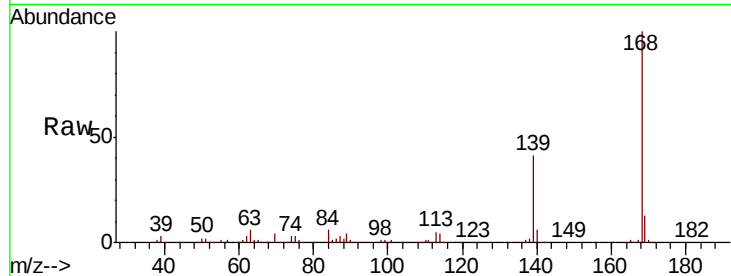




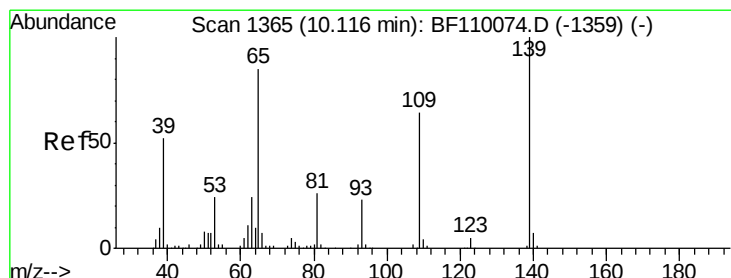
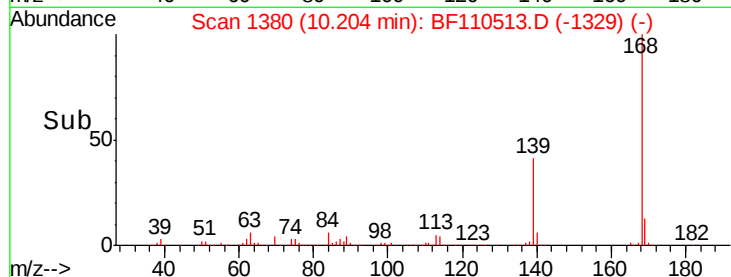
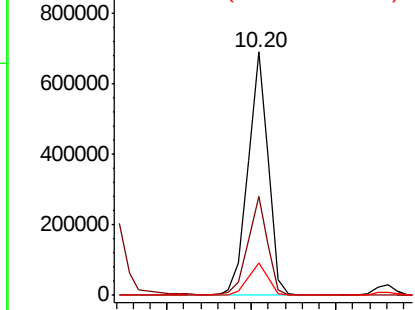
#55
Dibenzofuran
Concen: 38.499 ng
RT: 10.20 min Scan# 1380
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 577644
Ion Ratio Lower Upper
168 100
139 40.8 33.0 49.6
169 13.1 11.3 16.9

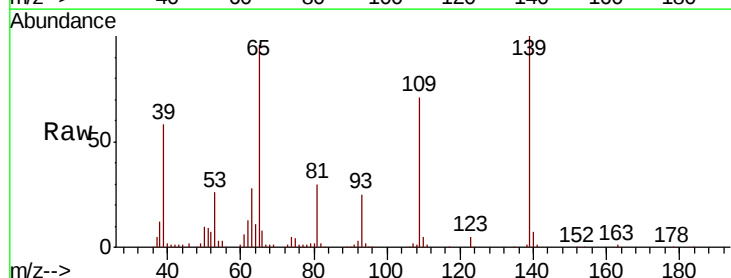


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

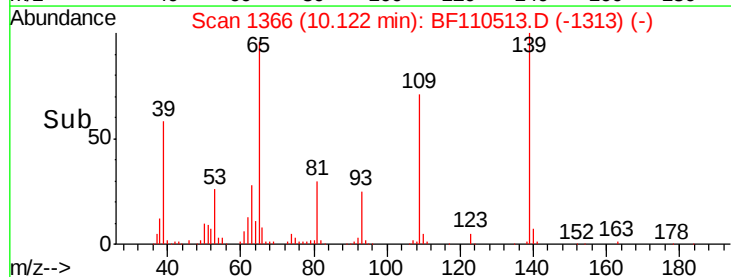
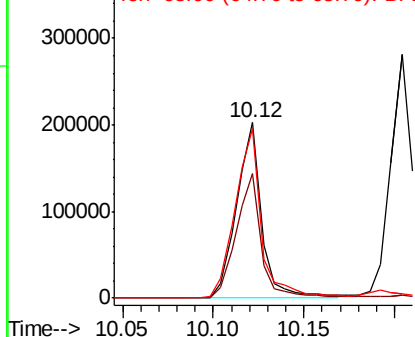


#56
4-Nitrophenol
Concen: 82.957 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.01 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Tgt Ion:139 Resp: 196293
Ion Ratio Lower Upper
139 100
109 70.9 55.8 95.8
65 96.2 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

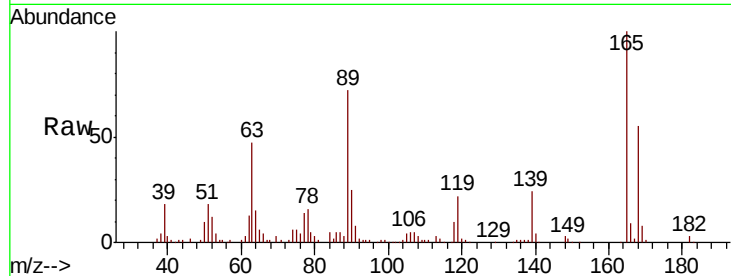




#57
2,4-Dinitrotoluene
Concen: 39.500 ng
RT: 10.19 min Scan# 1378
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	47.2	44.8	67.2
89	72.4	62.2	93.4
182	2.6	2.1	3.1



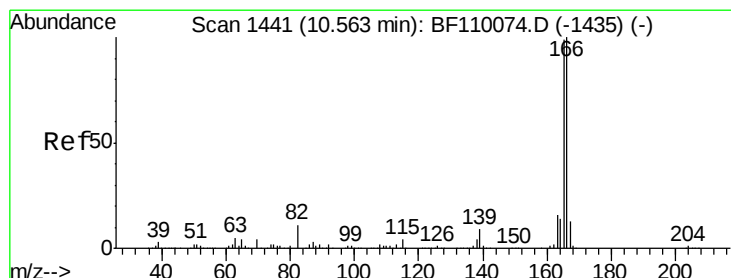
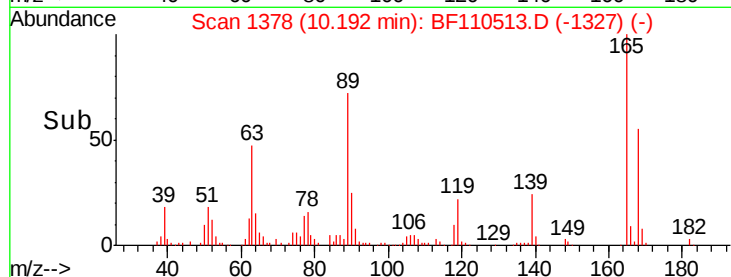
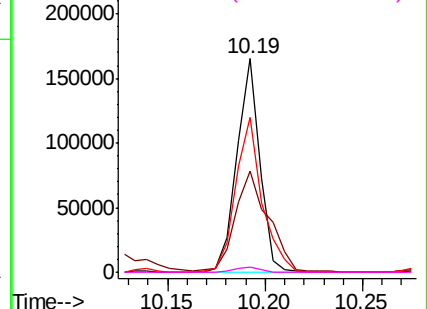
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

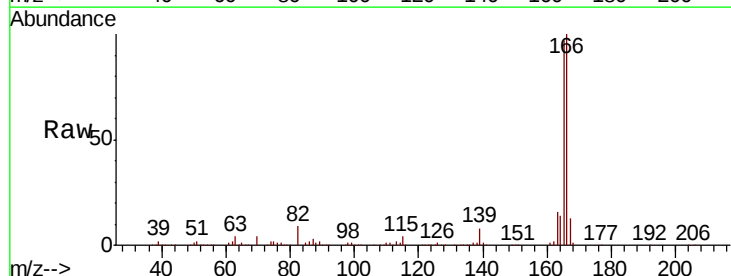
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 40.512 ng
RT: 10.55 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.6	117.8
167	12.8	10.8	16.2

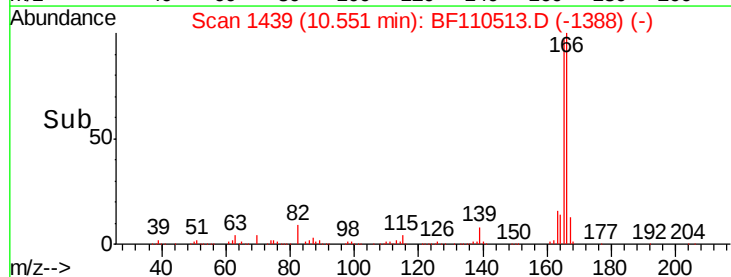
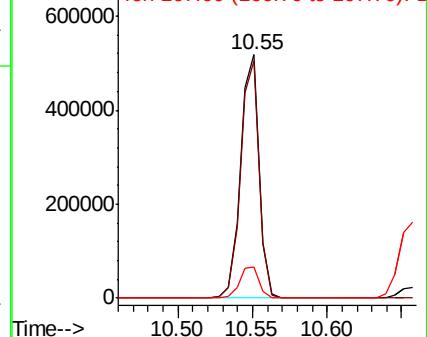


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

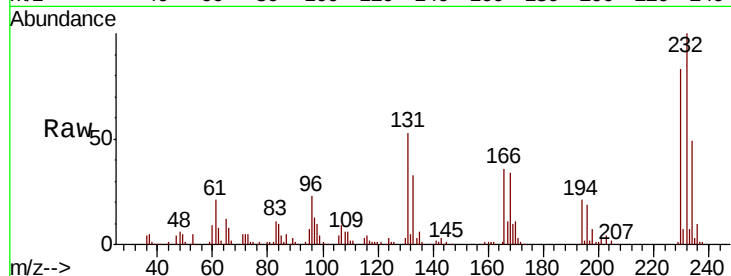




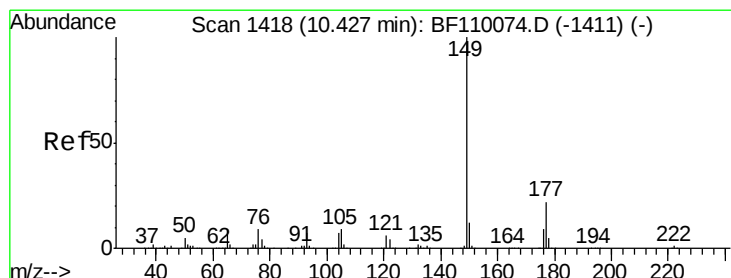
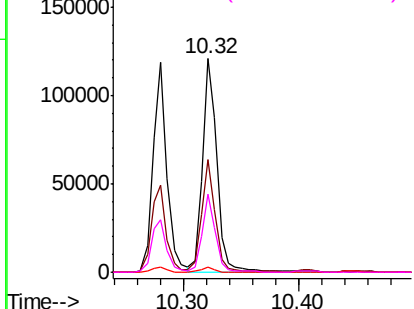
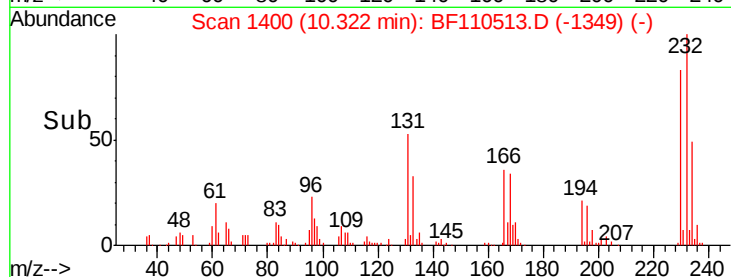
#59
2,3,4,6-Tetrachlorophenol
Concen: 36.284 ng
RT: 10.32 min Scan# 1400
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:232 Resp: 106222
Ion Ratio Lower Upper
232 100
131 50.5 37.0 55.4
130 2.5 1.8 2.6
166 34.0 22.0 33.0#

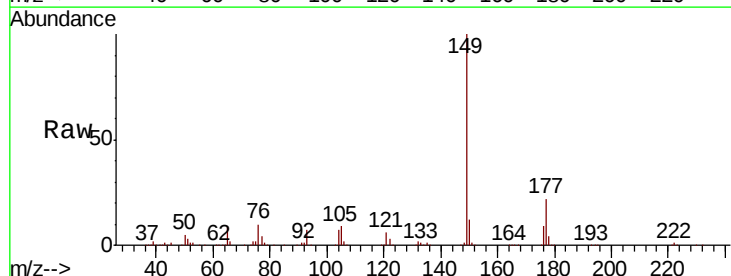


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

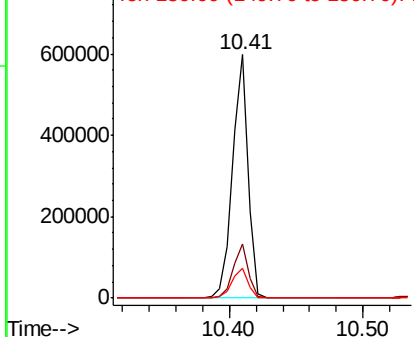
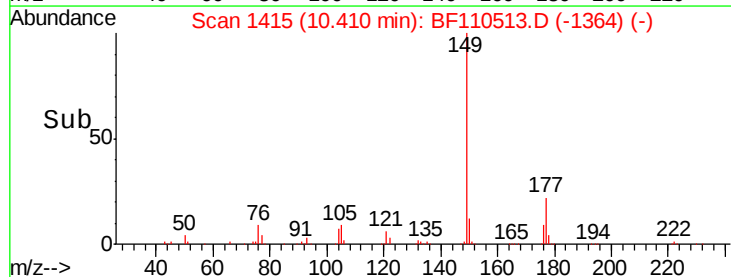


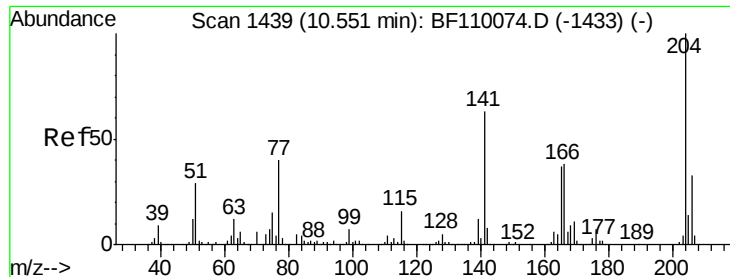
#60
Diethylphthalate
Concen: 40.488 ng
RT: 10.41 min Scan# 1415
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Tgt Ion:149 Resp: 493286
Ion Ratio Lower Upper
149 100
177 22.0 17.4 26.2
150 12.5 9.8 14.8



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

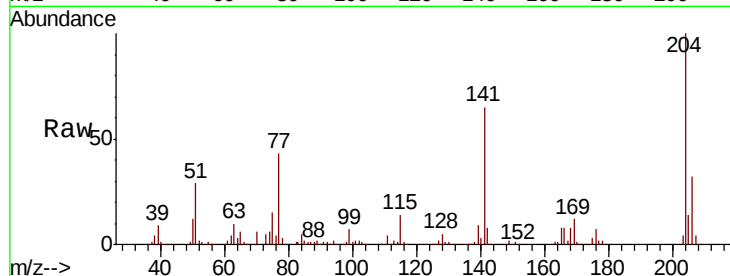




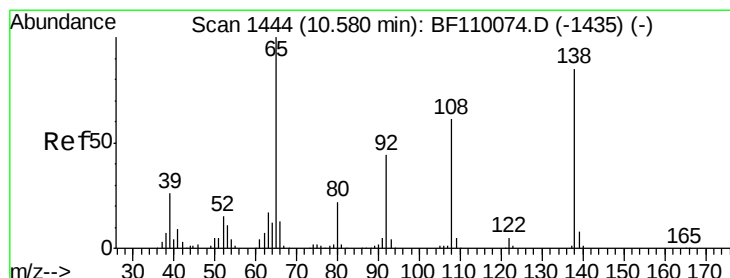
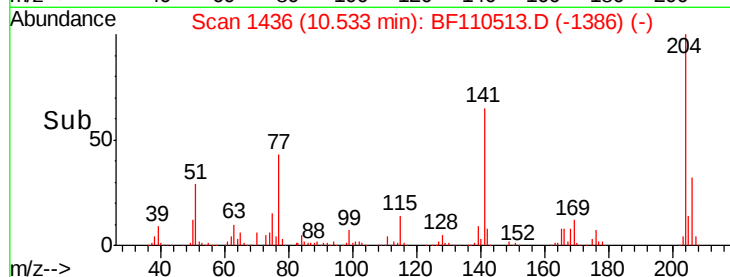
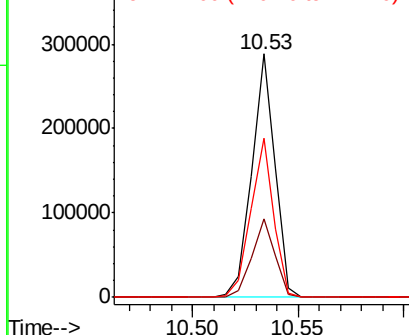
#61
4-Chlorophenyl-phenylether
Concen: 37.381 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:204 Resp: 220203
Ion Ratio Lower Upper
204 100
206 32.0 26.5 39.7
141 65.2 51.8 77.8

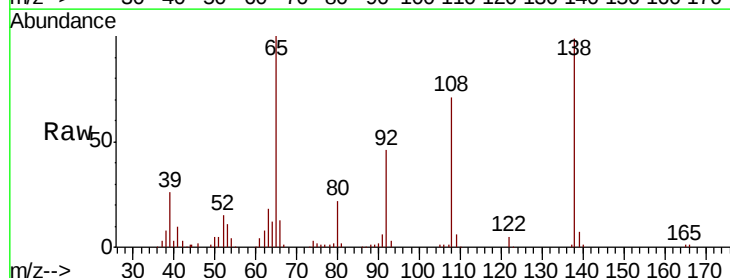


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

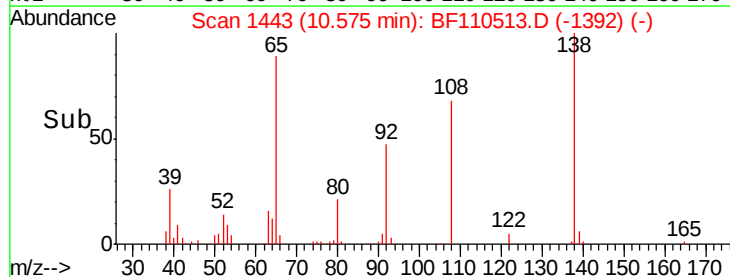
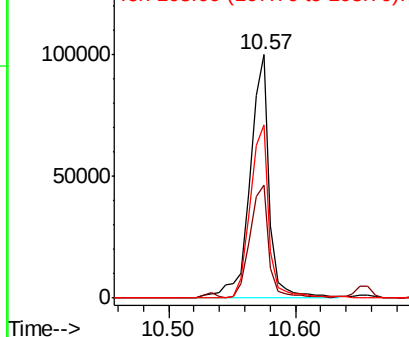


#62
4-Nitroaniline
Concen: 33.504 ng
RT: 10.57 min Scan# 1443
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Tgt Ion:138 Resp: 106537
Ion Ratio Lower Upper
138 100
92 46.5 31.7 71.7
108 71.2 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: 37.719 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.00 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 456150

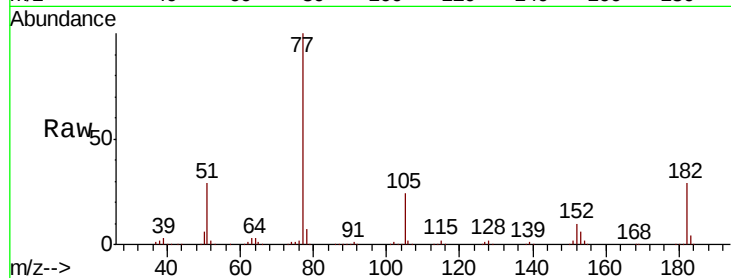
Ion Ratio Lower Upper

77 100

182 29.5 4.3 44.3

105 23.6 1.3 41.3

51 29.4 9.0 49.0

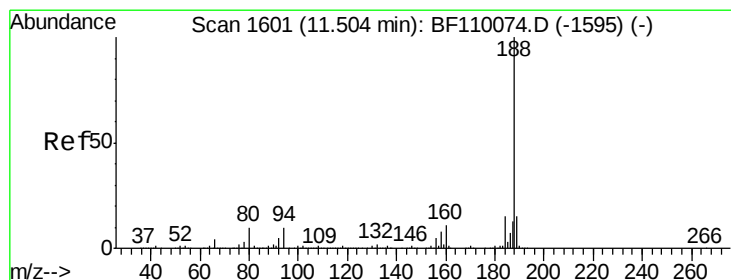
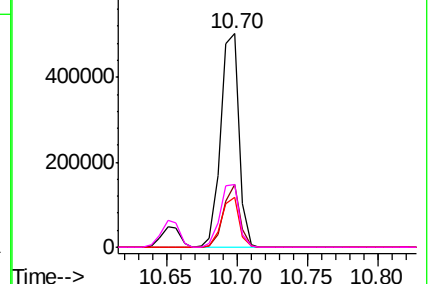
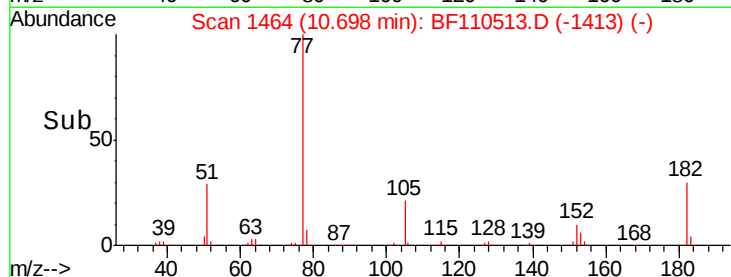


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1599

Delta R.T. 0.00 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

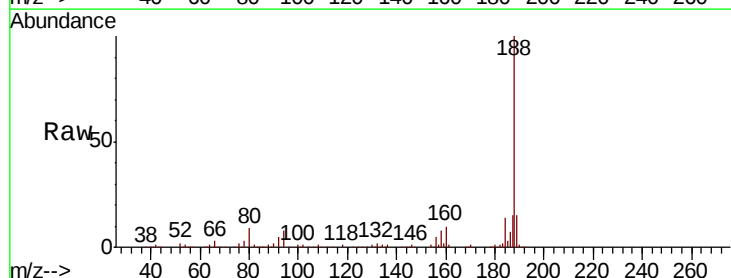
Tgt Ion: 188 Resp: 265776

Ion Ratio Lower Upper

188 100

94 8.4 7.2 10.8

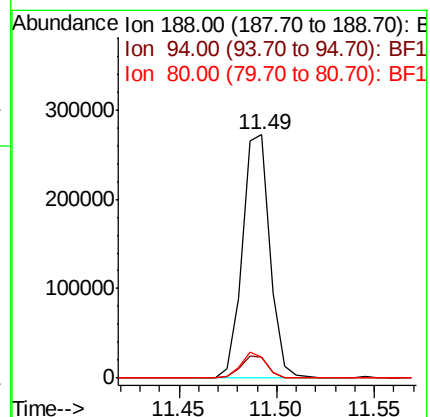
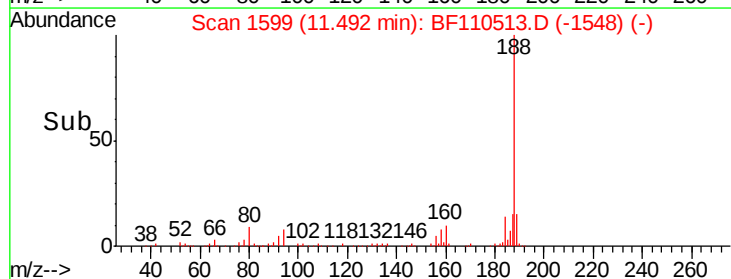
80 8.8 7.9 11.9



Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

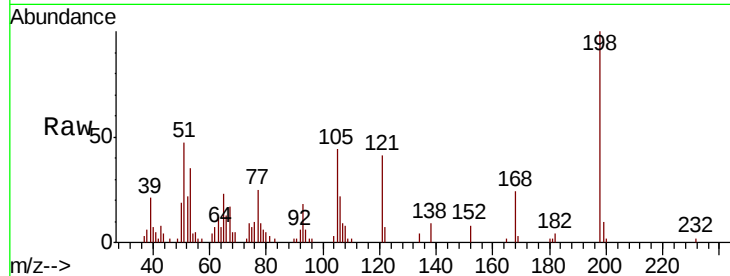




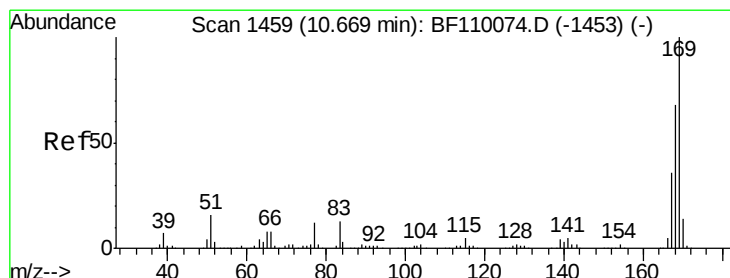
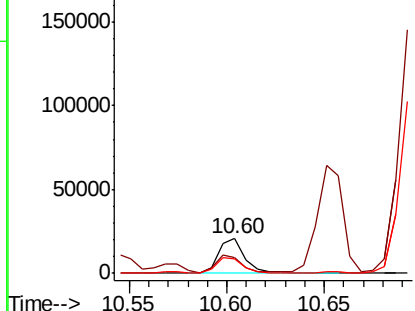
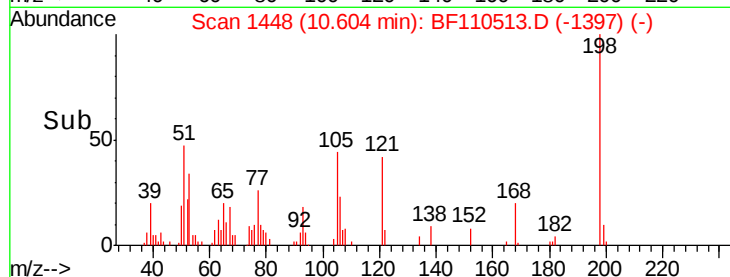
#65
4,6-Dinitro-2-methylphenol
Concen: 16.147 ng
RT: 10.60 min Scan# 1448
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 19607
Ion Ratio Lower Upper
198 100
51 46.5 22.8 62.8
105 43.7 23.6 63.6

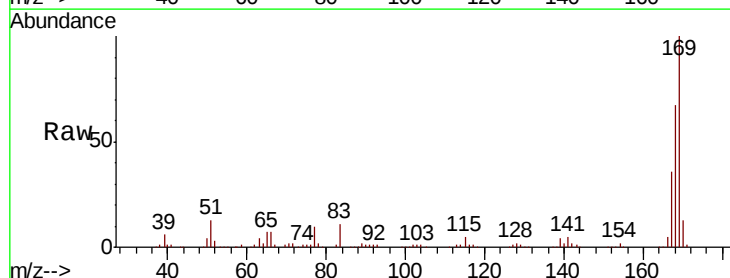


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

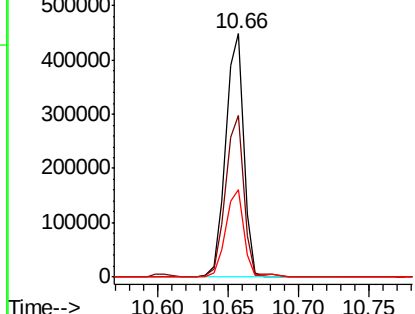
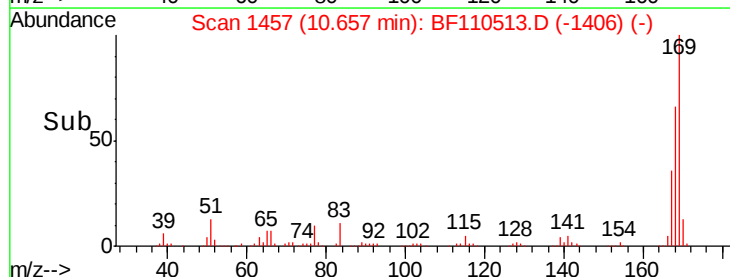


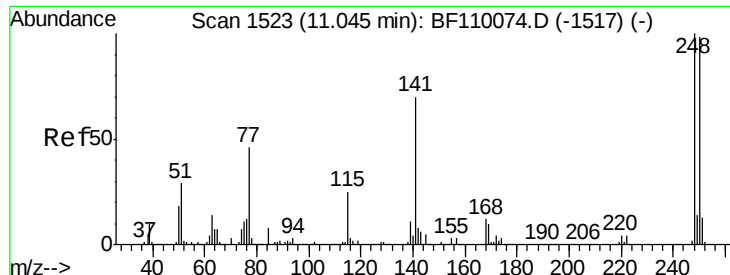
#66
n-Nitrosodiphenylamine
Concen: 45.774 ng
RT: 10.66 min Scan# 1457
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Tgt Ion:169 Resp: 399037
Ion Ratio Lower Upper
169 100
168 66.6 51.2 76.8
167 36.0 27.8 41.6



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

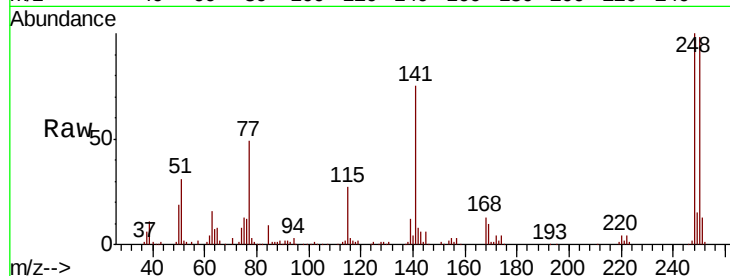




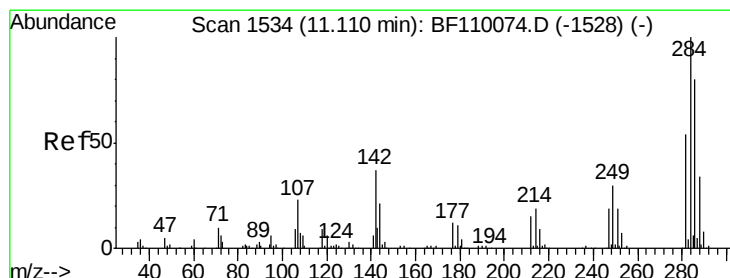
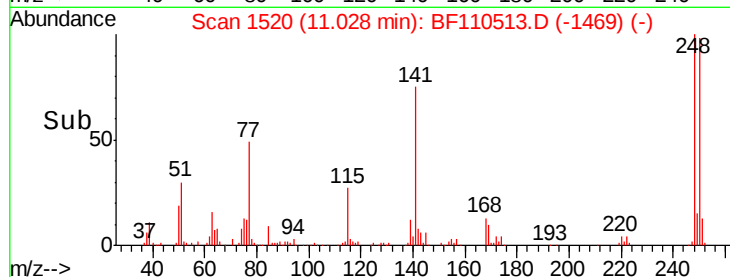
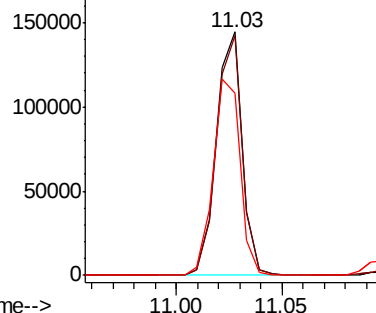
#67
4-Bromophenyl-phenylether
Concen: 42.474 ng
RT: 11.03 min Scan# 1520
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 122448
Ion Ratio Lower Upper
248 100
250 98.2 79.4 119.2
141 75.0 55.9 83.9

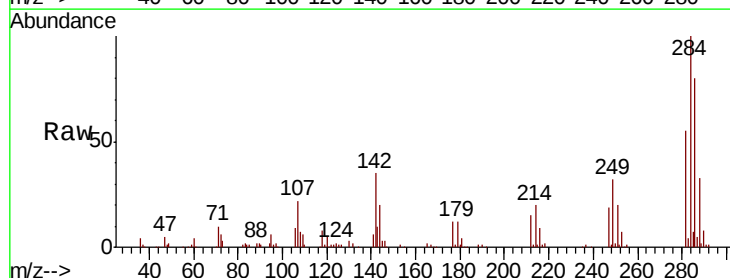


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

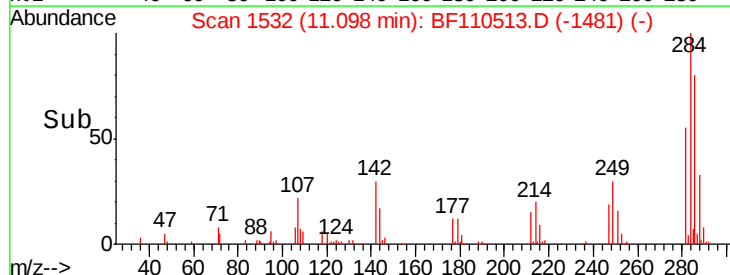
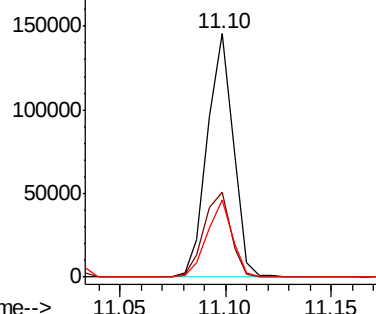


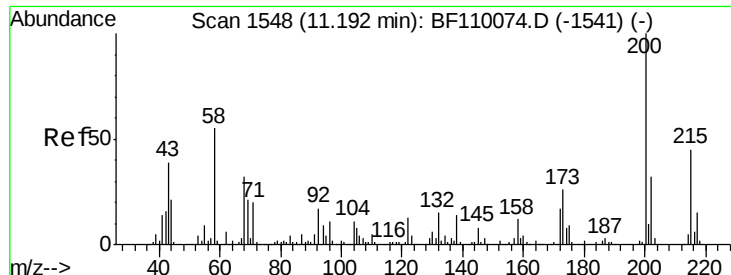
#68
Hexachlorobenzene
Concen: 40.212 ng
RT: 11.10 min Scan# 1532
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Tgt Ion:284 Resp: 123002
Ion Ratio Lower Upper
284 100
142 35.1 23.9 35.9
249 31.6 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

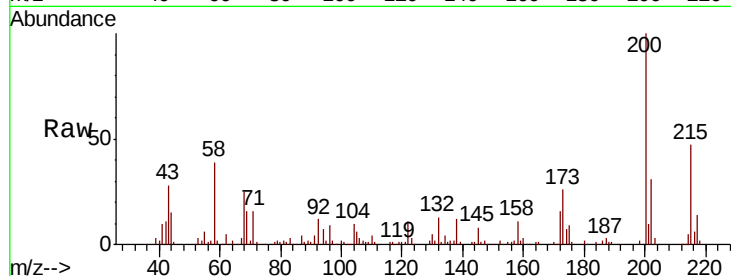




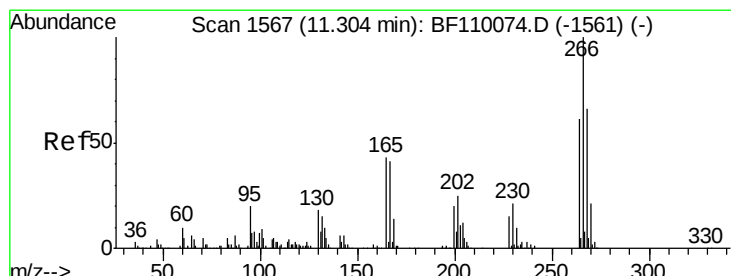
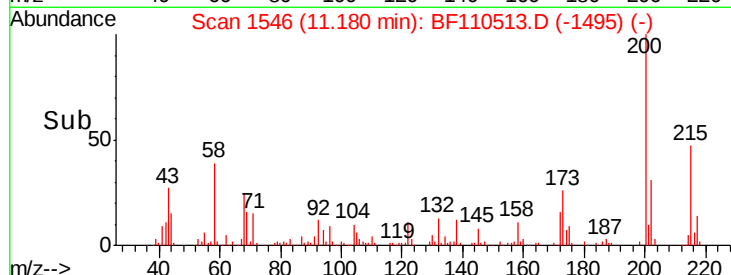
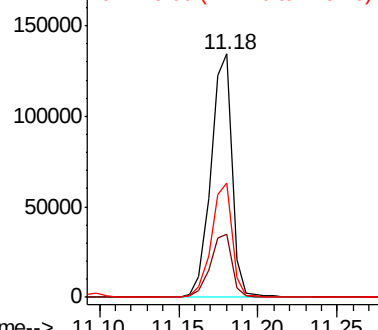
#69
Atrazine
Concen: 45.087 ng
RT: 11.18 min Scan# 1546
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:200 Resp: 124210
Ion Ratio Lower Upper
200 100
173 26.0 6.6 46.6
215 47.2 26.3 66.3

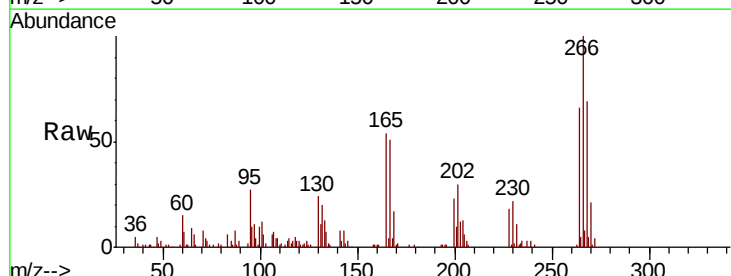


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

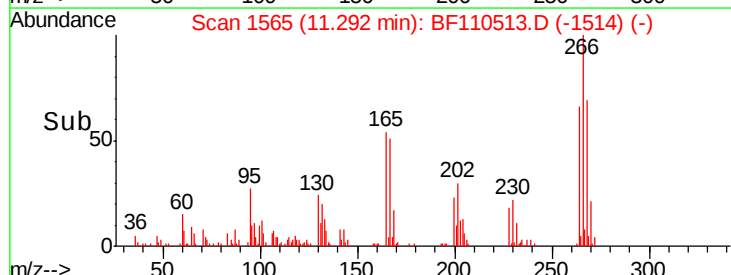
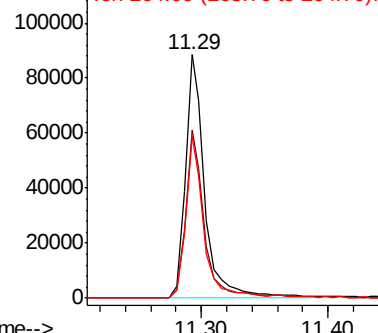


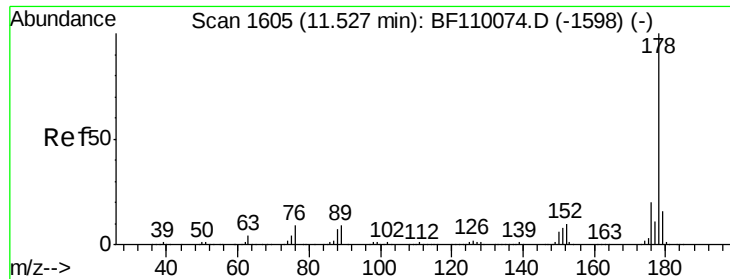
#70
Pentachlorophenol
Concen: 53.272 ng
RT: 11.29 min Scan# 1565
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Tgt Ion:266 Resp: 95018
Ion Ratio Lower Upper
266 100
268 68.9 50.6 75.8
264 66.2 50.6 75.8



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

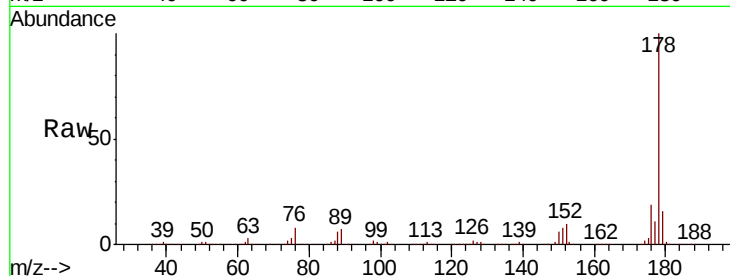




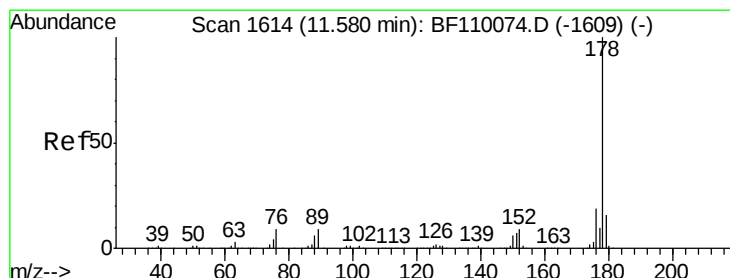
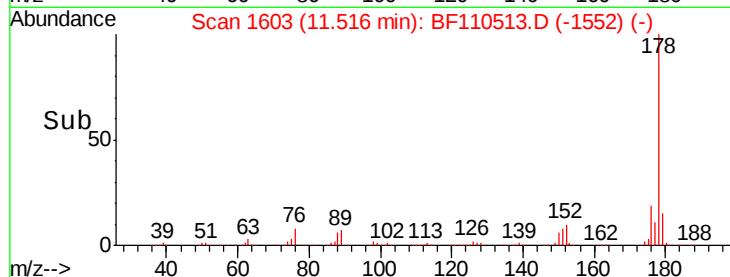
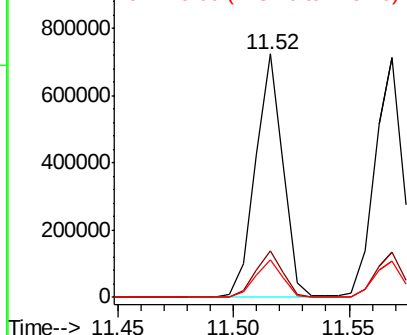
#71
Phenanthrene
Concen: 43.373 ng
RT: 11.52 min Scan# 1603
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 603174
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.7 12.5 18.7

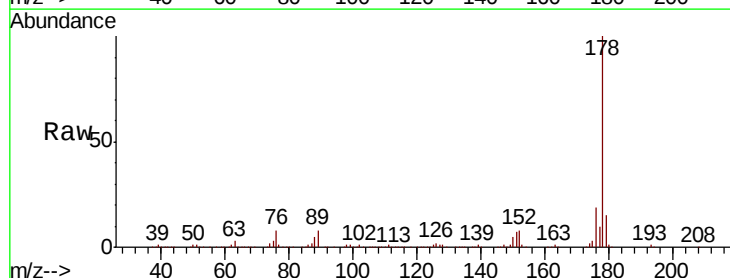


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

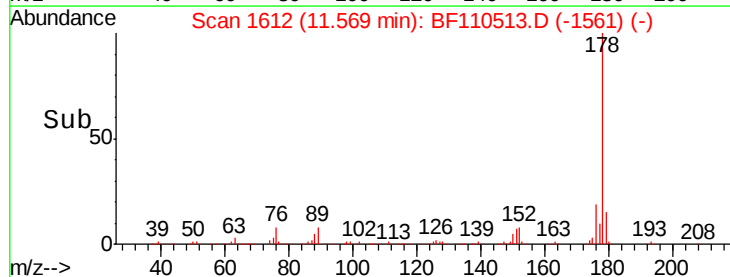
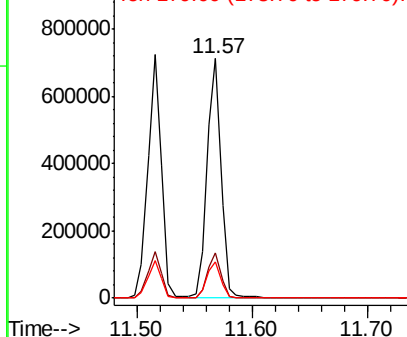


#72
Anthracene
Concen: 43.427 ng
RT: 11.57 min Scan# 1612
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Tgt Ion:178 Resp: 605339
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 15.4 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 37.814 ng

RT: 11.72 min Scan# 1638

Delta R.T. 0.00 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

Instrument :

BNA_F

ClientSampleId :

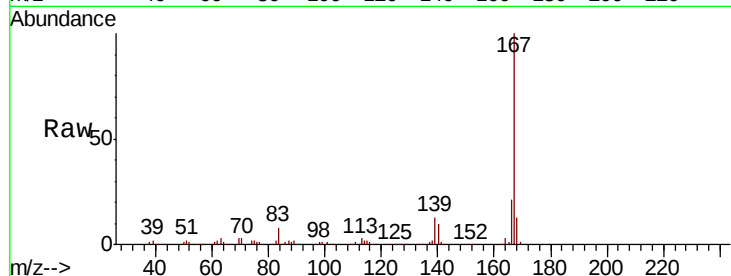
Tot Ion:167 Resp: 514653

Ion Ratio Lower Upper

167 100

166 21.3 17.4 26.0

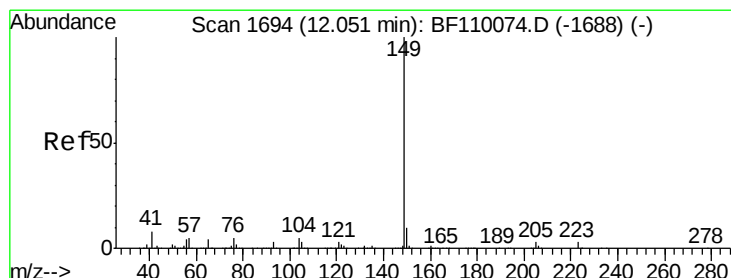
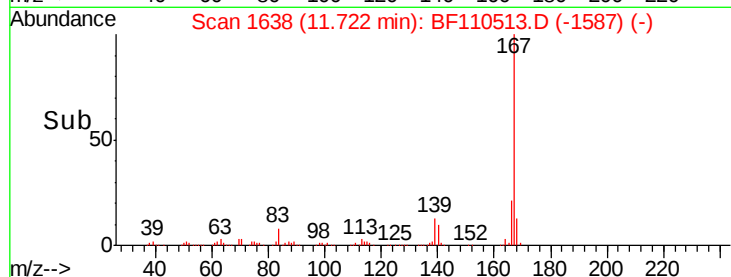
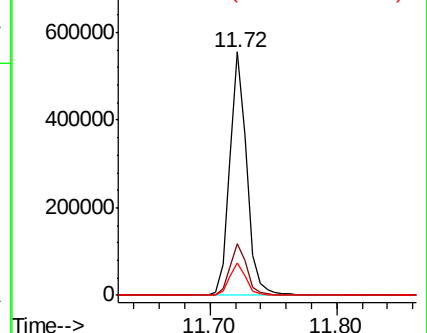
139 13.2 10.9 16.3



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: 44.843 ng

RT: 12.03 min Scan# 1691

Delta R.T. 0.00 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

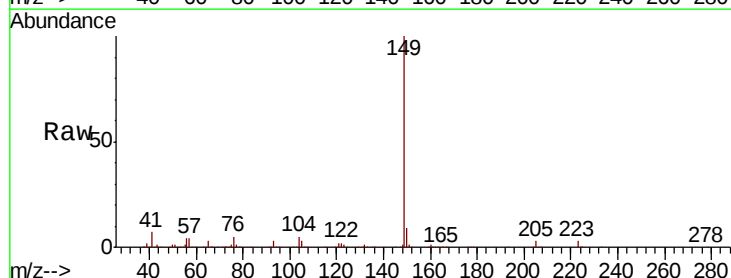
Tgt Ion:149 Resp: 689292

Ion Ratio Lower Upper

149 100

150 8.7 7.7 11.5

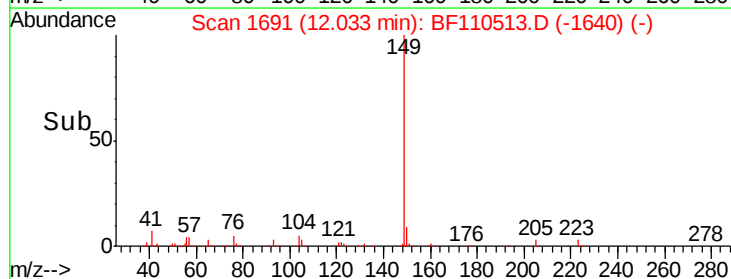
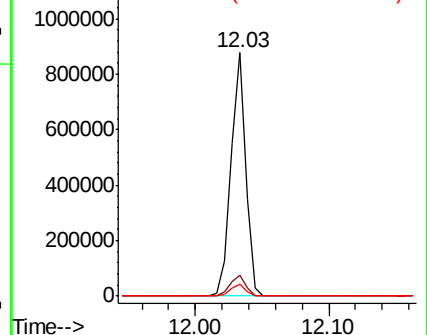
104 5.0 4.2 6.4

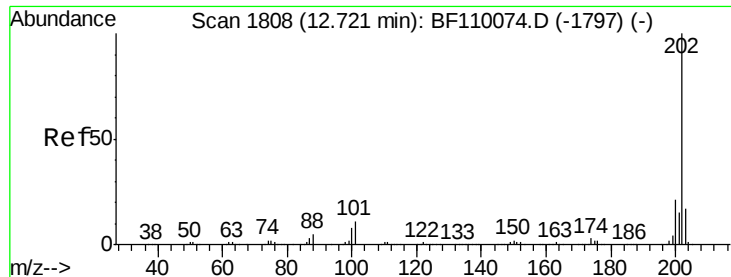


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

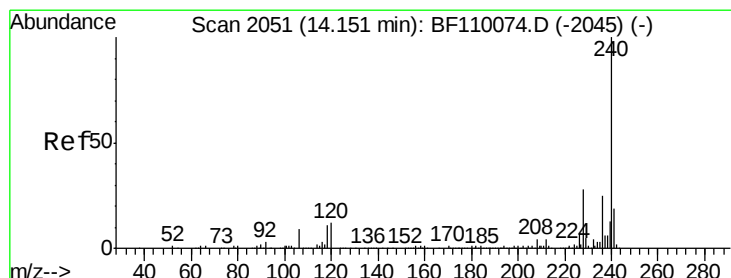
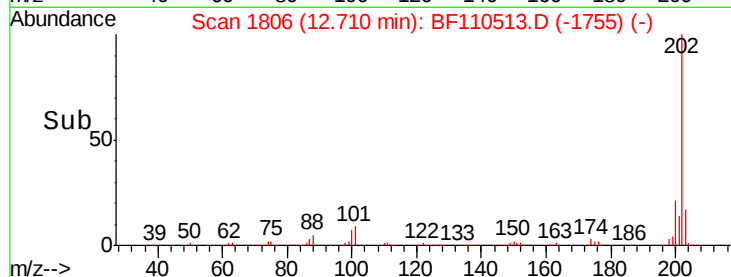
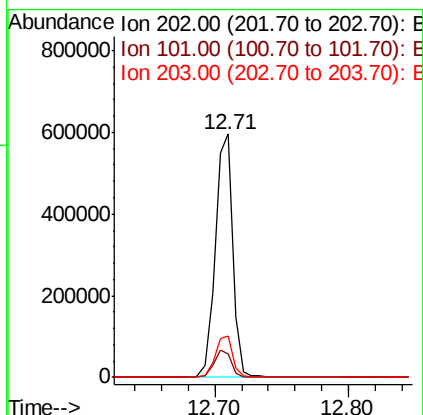
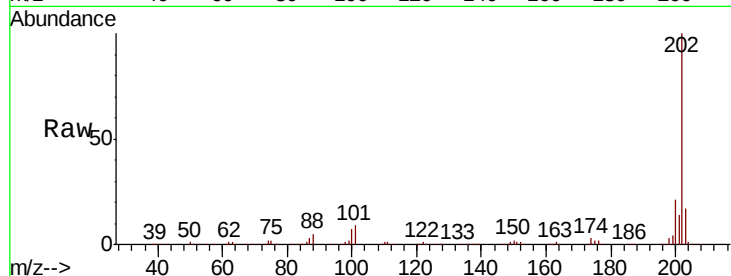




#75
 Fluoranthene
 Concen: 39.069 ng
 RT: 12.71 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: BF110513.D
 Acq: 6 Nov 2018 14:18

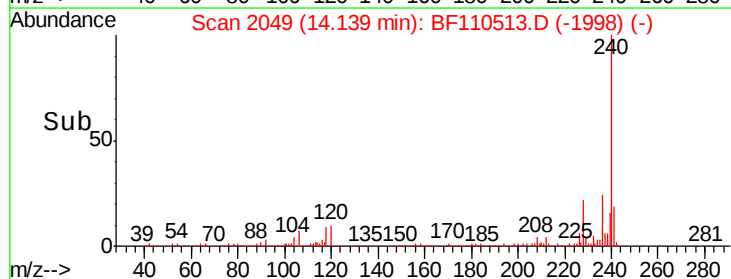
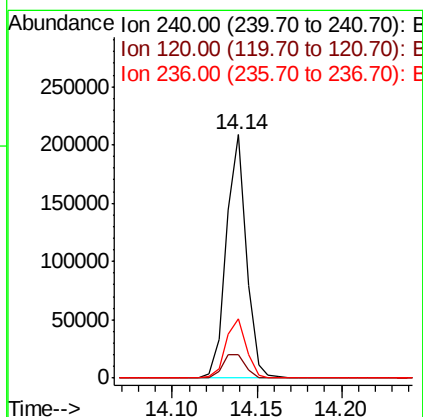
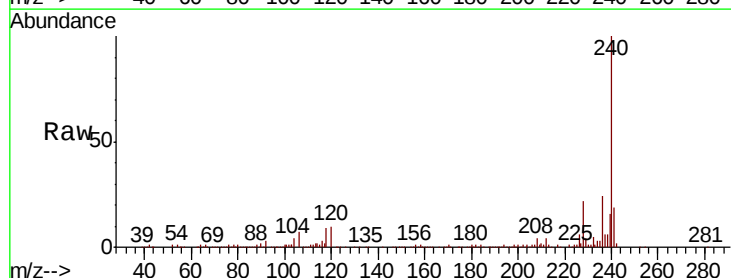
Instrument :
 BNA_F
 ClientSampleId :

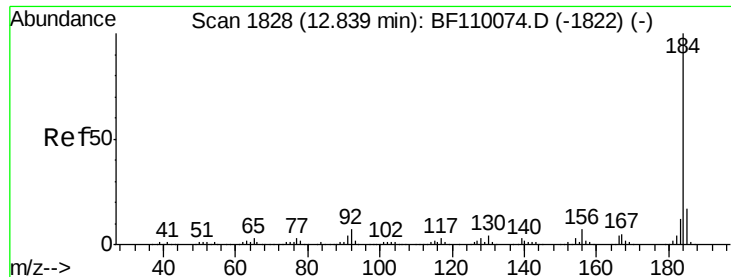
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	31.4
203	17.3	0.0	37.7



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: BF110513.D
 Acq: 6 Nov 2018 14:18

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.3	12.5
236	24.4	21.2	31.8

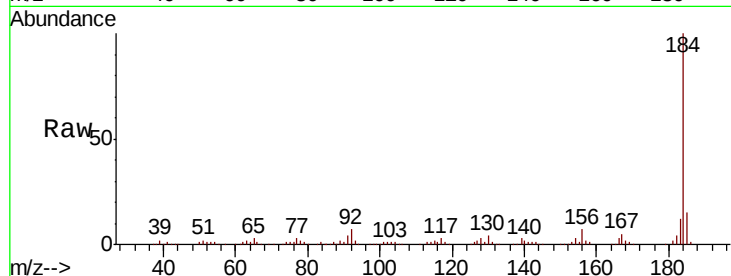




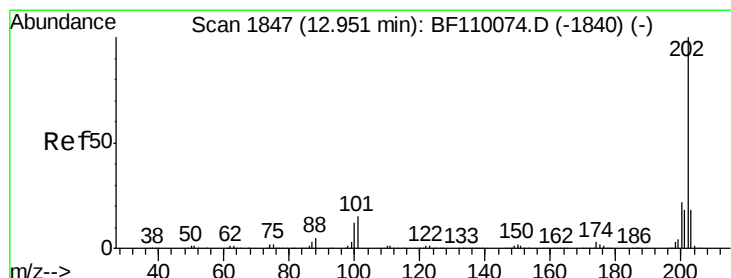
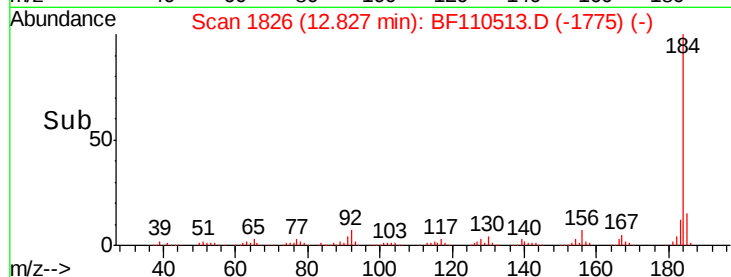
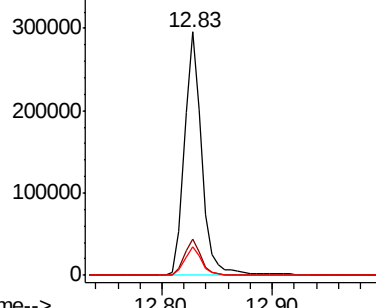
#77
Benzidine
Concen: Below Cal
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:184 Resp: 318691
Ion Ratio Lower Upper
184 100
185 14.8 13.4 20.2
183 11.7 9.4 14.2

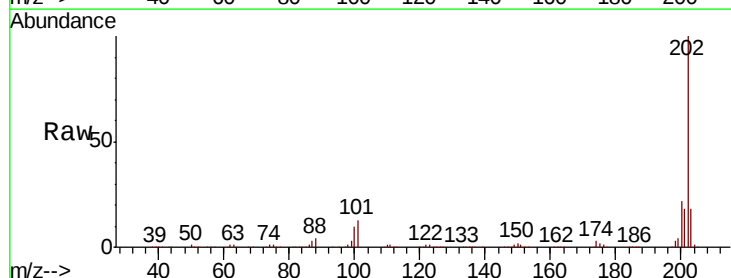


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

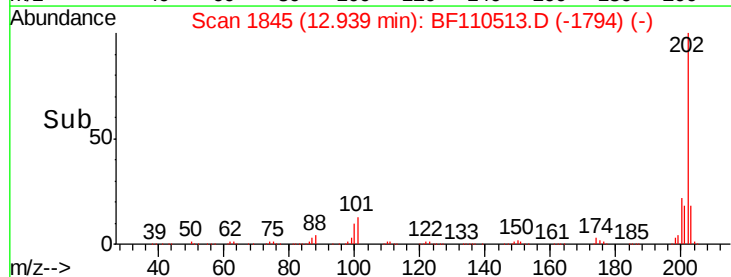
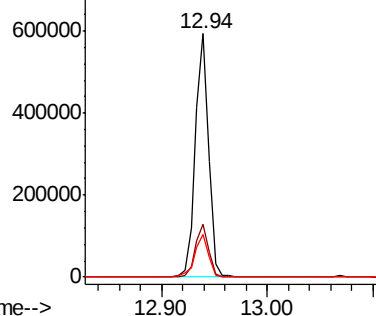


#78
Pyrene
Concen: 42.340 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Tgt Ion:202 Resp: 521603
Ion Ratio Lower Upper
202 100
200 21.6 17.8 26.6
203 17.7 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: 86.674 ng

RT: 13.07 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

Instrument :

BNA_F

ClientSampled :

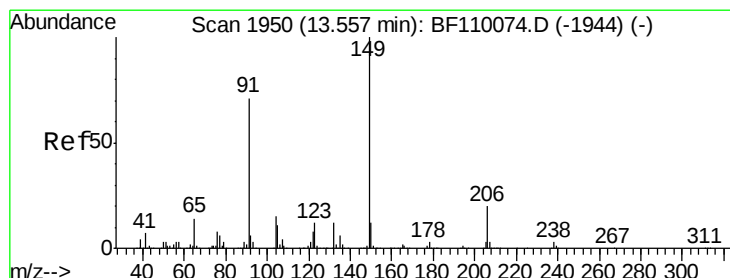
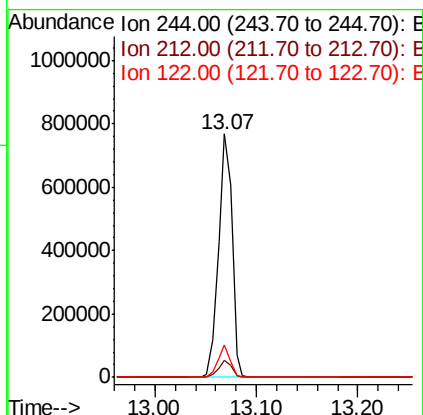
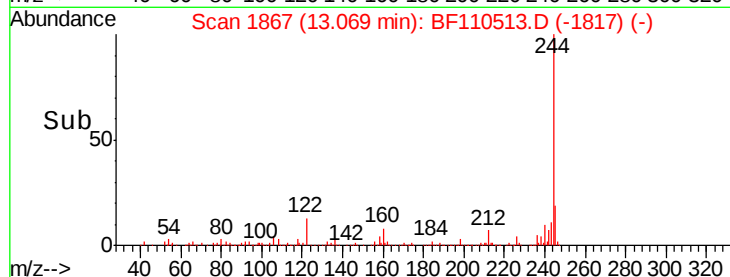
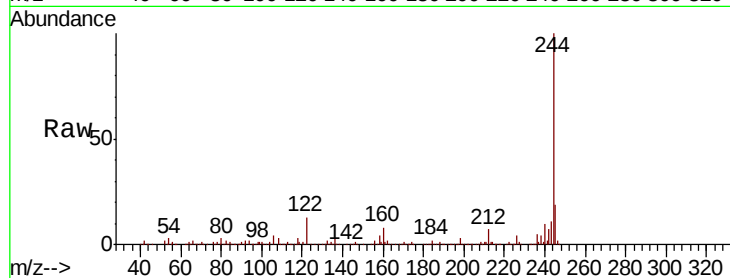
Tot Ion:244 Resp: 716161

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

122 13.1 8.7 13.1



#80

Butylbenzylphthalate

Concen: 44.407 ng

RT: 13.53 min Scan# 1946

Delta R.T. -0.01 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

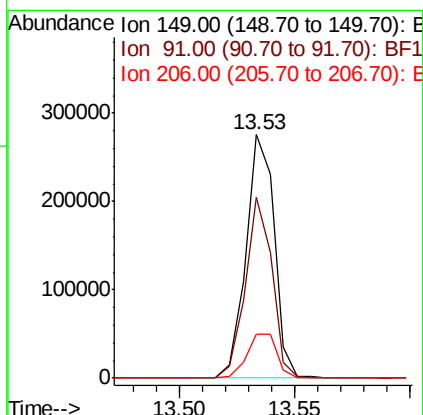
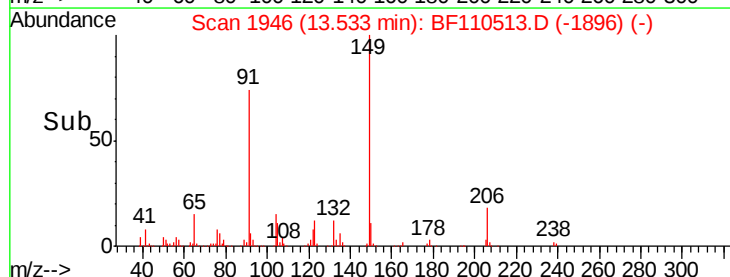
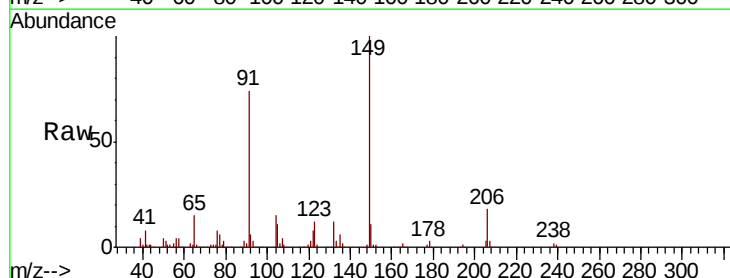
Tgt Ion:149 Resp: 237449

Ion Ratio Lower Upper

149 100

91 74.1 57.2 85.8

206 17.9 15.7 23.5





#81

Benzo(a)anthracene

Concen: 42.679 ng

RT: 14.13 min Scan# 2047

Delta R.T. 0.00 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

Instrument :

BNA_F

ClientSampleId :

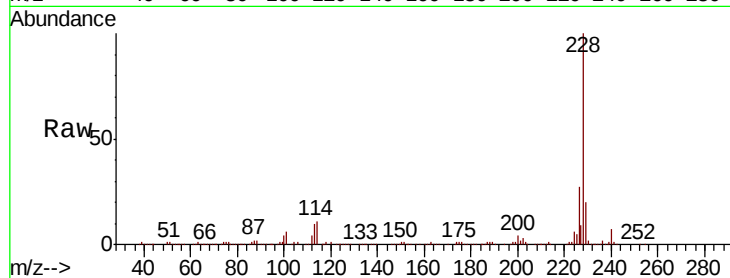
Tot Ion:228 Resp: 434922

Ion Ratio Lower Upper

228 100

226 26.8 22.1 33.1

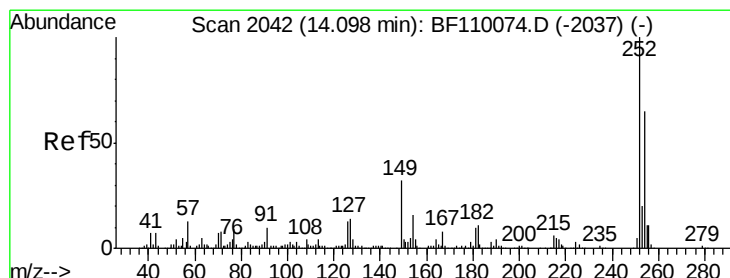
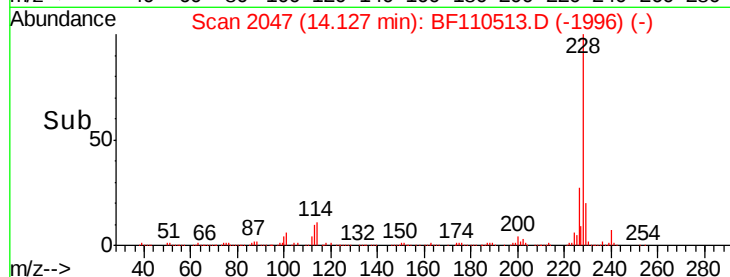
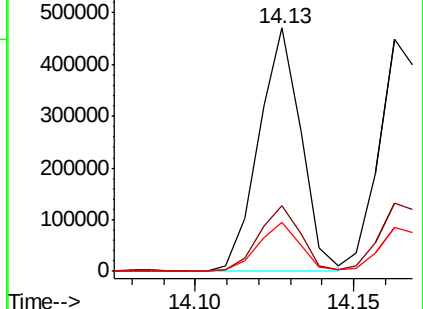
229 20.0 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 38.199 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.00 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

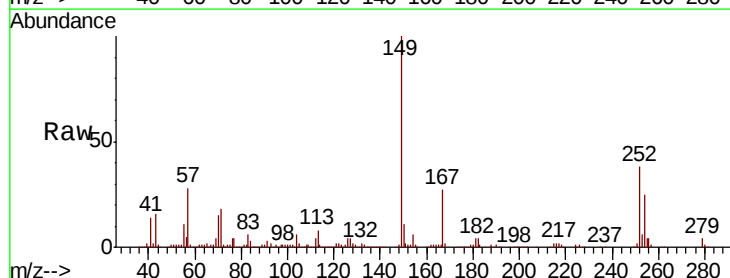
Tgt Ion:252 Resp: 135548

Ion Ratio Lower Upper

252 100

254 64.1 51.3 76.9

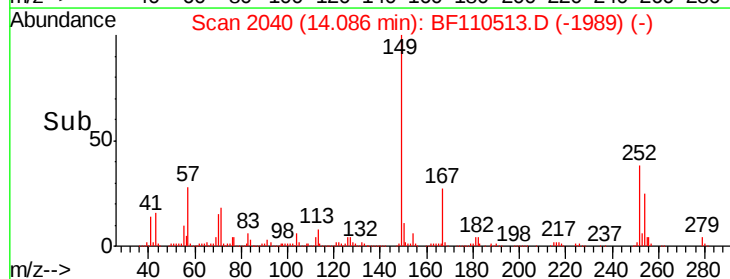
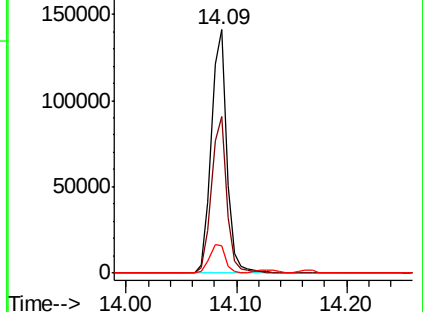
126 11.3 9.4 14.2

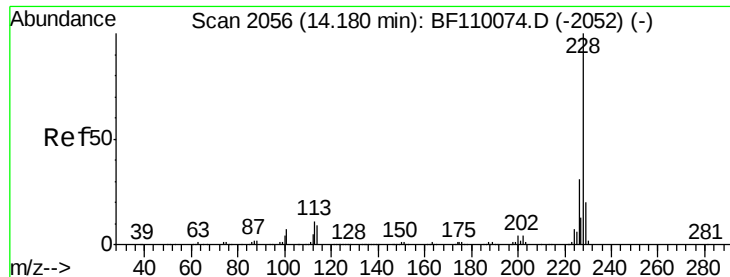


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 42.552 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

Instrument :

BNA_F

ClientSampleId :

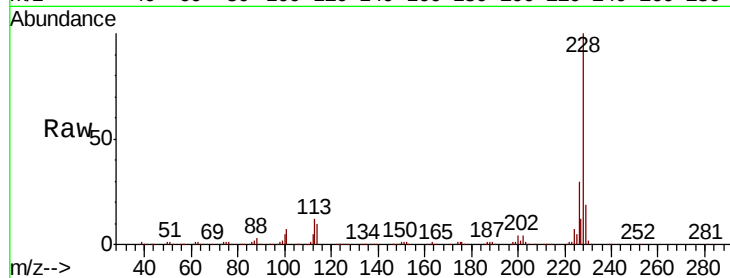
Tot Ion:228 Resp: 411859

Ion Ratio Lower Upper

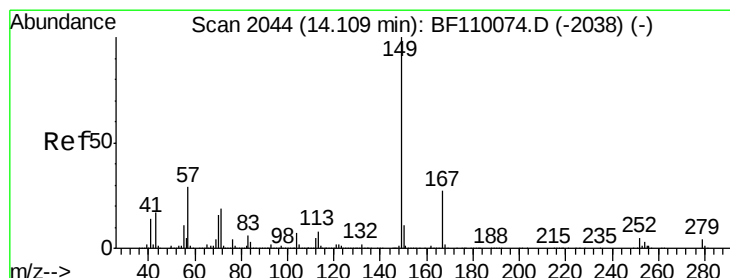
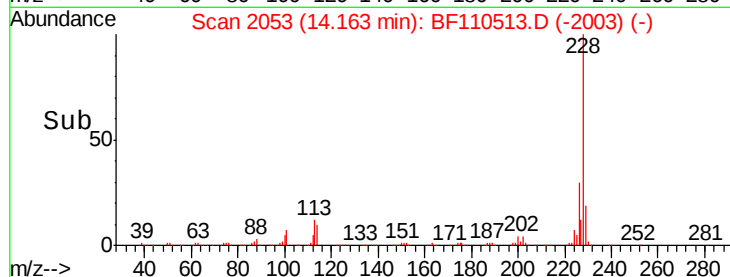
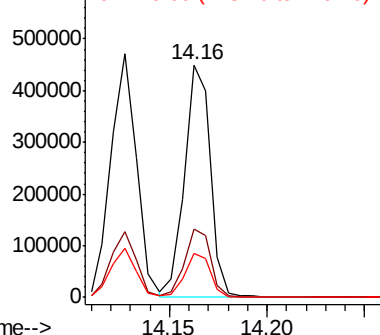
228 100

226 29.6 24.7 37.1

229 18.9 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: 43.416 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.00 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

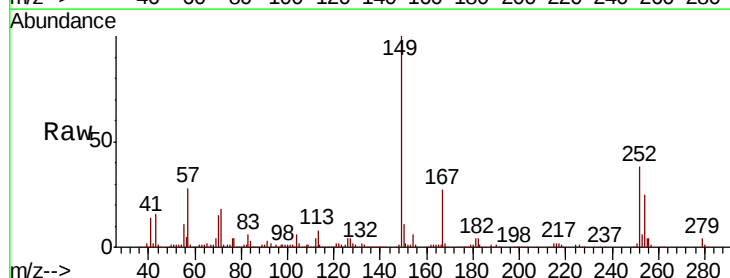
Tgt Ion:149 Resp: 313826

Ion Ratio Lower Upper

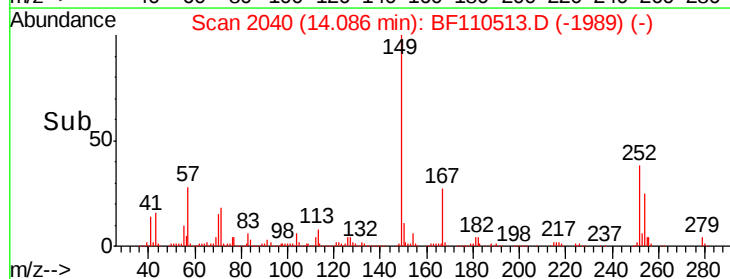
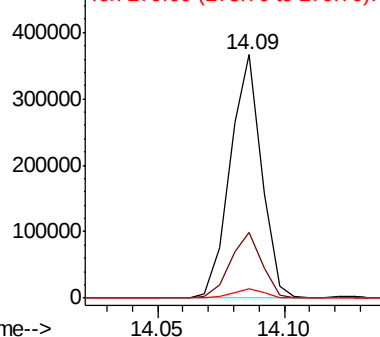
149 100

167 27.0 19.8 29.8

279 3.6 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

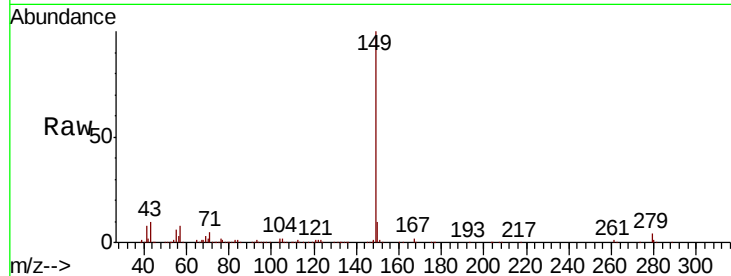




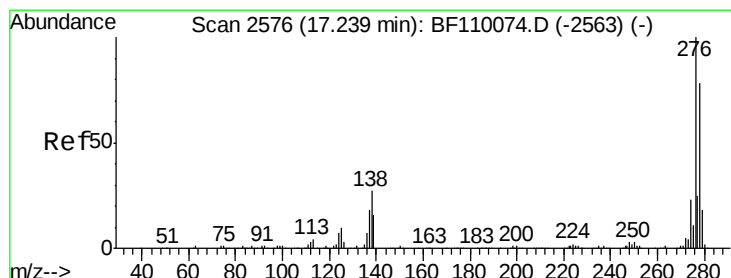
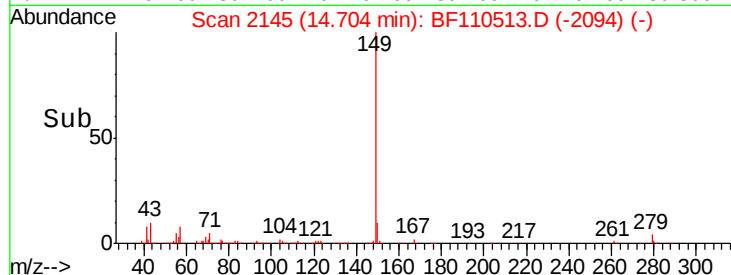
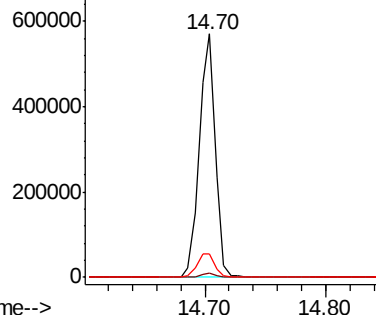
#85
Di-n-octyl phthalate
Concen: 46.197 ng
RT: 14.70 min Scan# 2145
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 519233
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 10.3 7.8 11.8

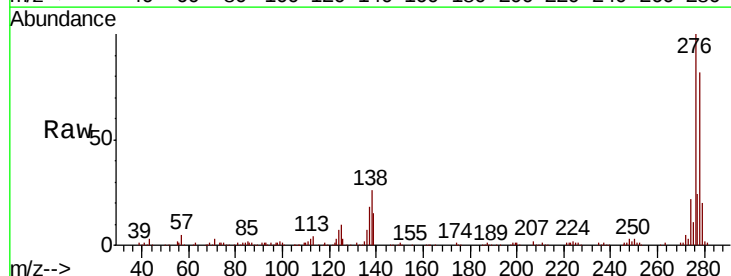


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

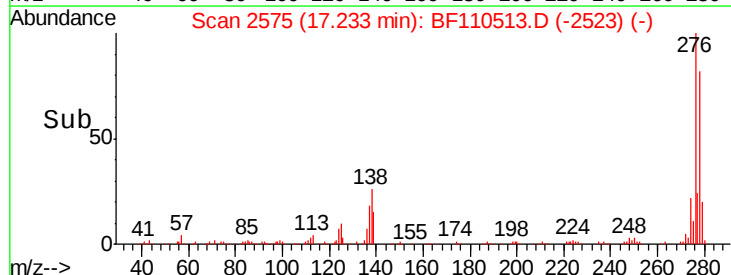
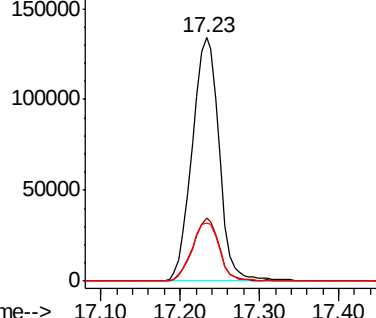


#86
Indeno(1,2,3-cd)pyrene
Concen: 39.335 ng
RT: 17.23 min Scan# 2575
Delta R.T. 0.01 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Tgt Ion:276 Resp: 315842
Ion Ratio Lower Upper
276 100
138 25.4 18.5 27.7
277 24.5 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: 15.66 min Scan# 2308

Delta R.T. 0.01 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

Instrument :

BNA_F

ClientSampleId :

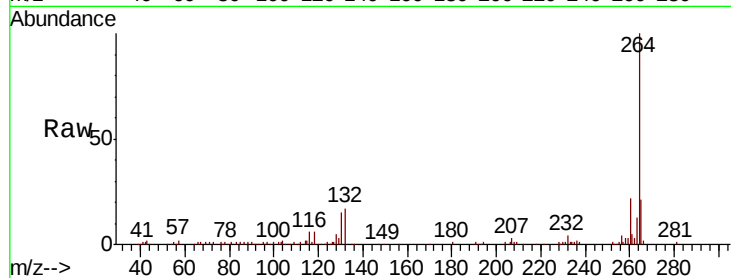
Tot Ion:264 Resp: 140709

Ion Ratio Lower Upper

264 100

260 22.2 18.7 28.1

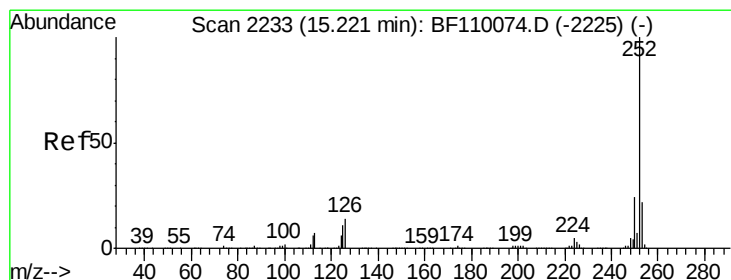
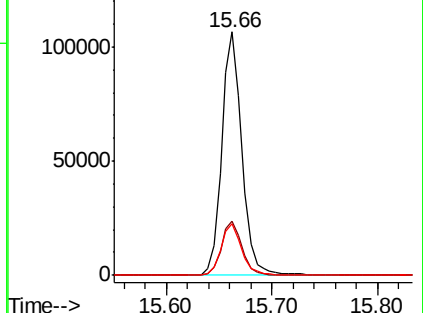
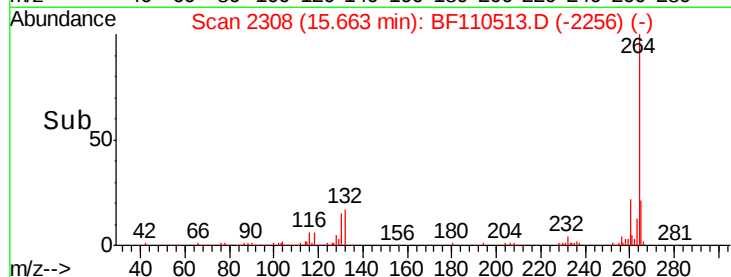
265 21.4 16.7 25.1



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: 45.259 ng

RT: 15.21 min Scan# 2231

Delta R.T. 0.01 min

Lab File: BF110513.D

Acq: 6 Nov 2018 14:18

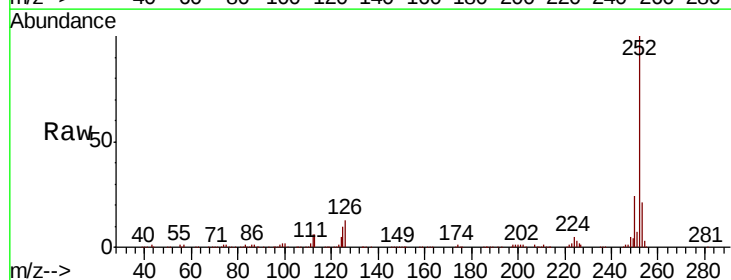
Tgt Ion:252 Resp: 367751

Ion Ratio Lower Upper

252 100

253 21.0 17.2 25.8

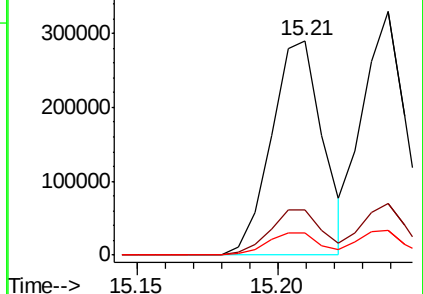
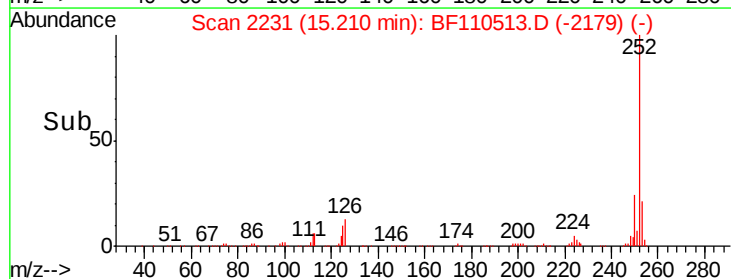
125 10.4 8.2 12.4

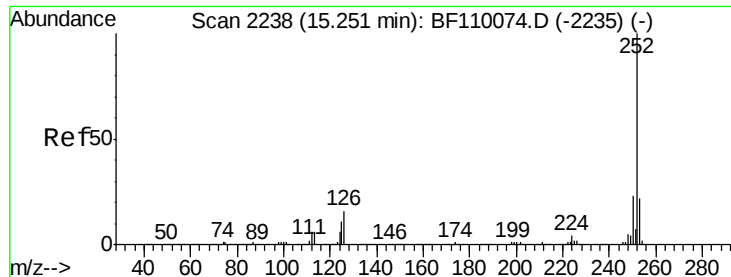


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

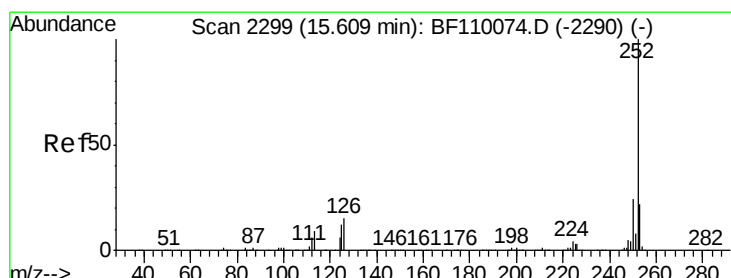
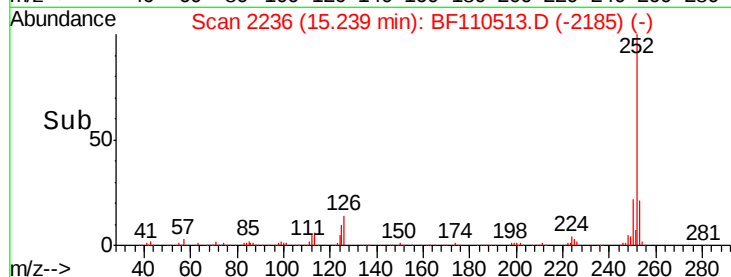
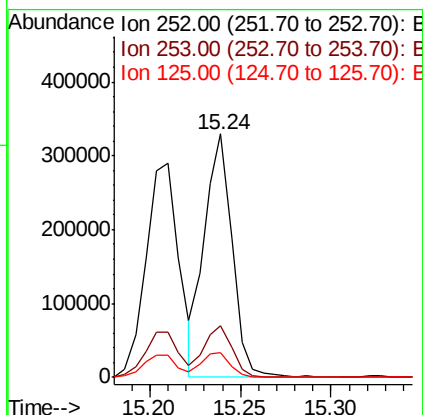
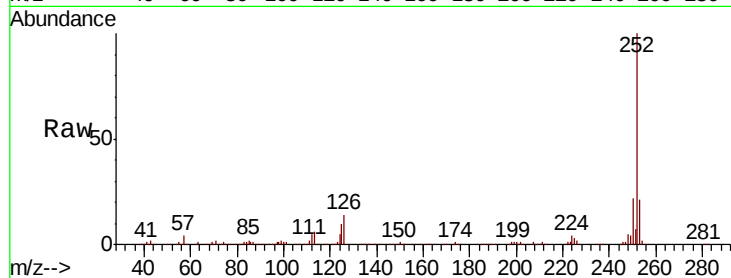




#89
Benzo(k)fluoranthene
Concen: 43.630 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

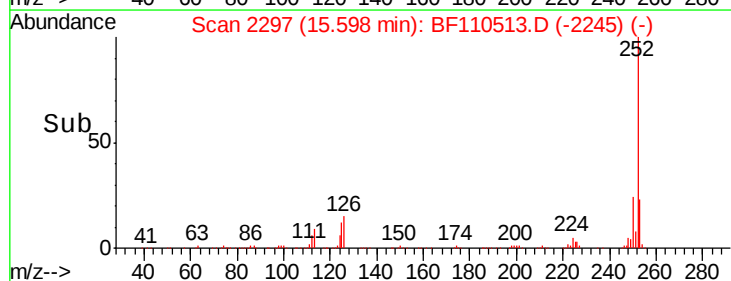
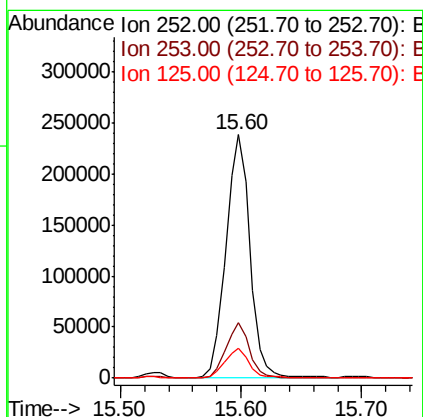
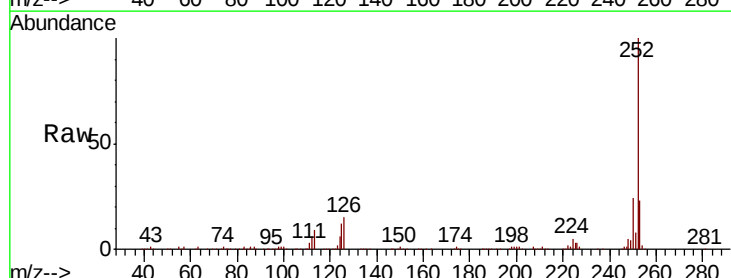
Instrument :
BNA_F
ClientSampleId :

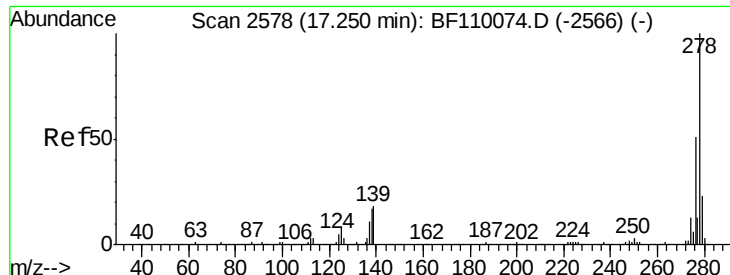
Tot Ion:252 Resp: 348520
Ion Ratio Lower Upper
252 100
253 21.1 17.2 25.8
125 9.9 7.4 11.0



#90
Benzo(a)pyrene
Concen: 43.826 ng
RT: 15.60 min Scan# 2297
Delta R.T. 0.01 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Tgt Ion:252 Resp: 327674
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.4
125 12.1 9.0 13.6



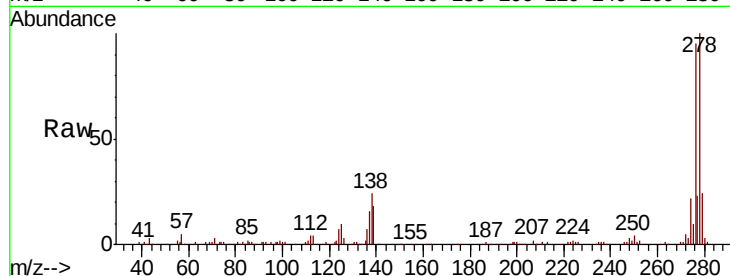


#91
Dibenzo(a,h)anthracene
Concen: 40.366 ng
RT: 17.24 min Scan# 2576
Delta R.T. 0.00 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

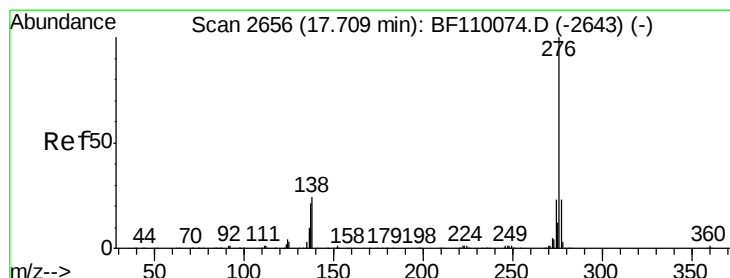
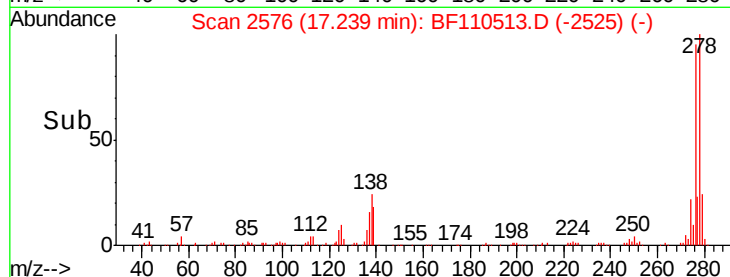
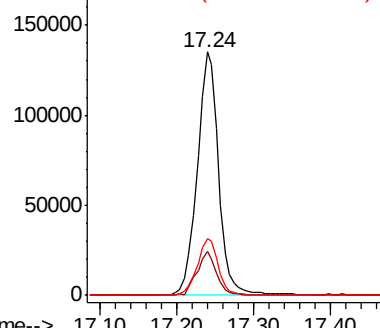
Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 260416

Ion	Ratio	Lower	Upper
278	100		
139	17.9	12.7	19.1
279	23.5	19.0	28.4



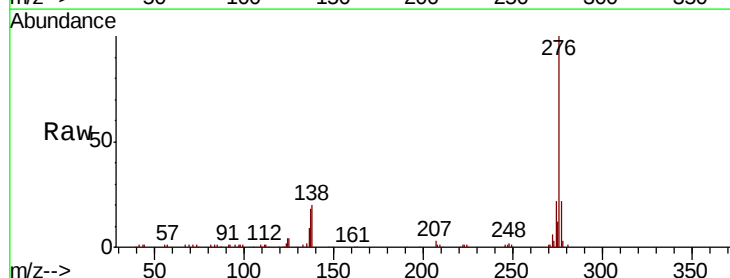
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 39.196 ng
RT: 17.71 min Scan# 2656
Delta R.T. 0.01 min
Lab File: BF110513.D
Acq: 6 Nov 2018 14:18

Tgt Ion:276 Resp: 249179

Ion	Ratio	Lower	Upper
276	100		
277	22.4	18.8	28.2
138	20.1	16.0	24.0



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

