

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102218\
 Data File : BF110045.D
 Acq On : 22 Oct 2018 13:22
 Operator : JU/SJ
 Sample : PB114048BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 23 02:07:53 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	241135	20.00	ng	-0.01
21) Naphthalene-d8	8.26	136	1008855	20.00	ng	-0.01
39) Acenaphthene-d10	10.02	164	488745	20.00	ng	-0.01
64) Phenanthrene-d10	11.51	188	913672	20.00	ng	0.00
76) Chrysene-d12	14.16	240	638310	20.00	ng	0.00
87) Perylene-d12	15.67	264	484403	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	1794931	117.99	ng	0.01
7) Phenol-d6	6.60	99	2267494	120.04	ng	0.00
23) Nitrobenzene-d5	7.54	82	1309043	87.41	ng	-0.01
42) 2,4,6-Tribromophenol	10.82	330	552403	130.55	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	2337929	76.33	ng	0.00
79) Terphenyl-d14	13.09	244	1893797	62.30	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.96	88	212895	24.640	ng	90
3) Pyridine	3.70	79	575791	29.892	ng	# 85
4) n-Nitrosodimethylamine	3.67	42	334481	42.567	ng	95
6) Aniline	6.64	93	843603	33.140	ng	# 54
8) 2-Chlorophenol	6.76	128	687796	40.364	ng	98
9) Benzaldehyde	6.52	77	340154	27.710	ng	98
10) Phenol	6.62	94	862999	42.315	ng	# 66
11) bis(2-Chloroethyl)ether	6.71	93	658172	38.597	ng	95
12) 1,3-Dichlorobenzene	6.91	146	722856	38.686	ng	100
13) 1,4-Dichlorobenzene	6.99	146	736272	39.126	ng	96
14) 1,2-Dichlorobenzene	7.15	146	678220	39.139	ng	100
15) Benzyl Alcohol	7.11	79	595980	41.010	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.24	45	1078186	38.522	ng	68
17) 2-Methylphenol	7.22	107	580956	42.280	ng	# 80
18) Hexachloroethane	7.48	117	275091	41.367	ng	94
19) n-Nitroso-di-n-propylamine	7.39	70	472792	38.982	ng	97
20) 3+4-Methylphenols	7.37	107	701637	40.240	ng	96
22) Acetophenone	7.38	105	955803	40.853	ng	96
24) Nitrobenzene	7.56	77	717287	44.089	ng	94
25) Isophorone	7.79	82	1343827	45.667	ng	96
26) 2-Nitrophenol	7.87	139	350549	51.967	ng	96
27) 2,4-Dimethylphenol	7.90	122	653036	46.073	ng	99
28) bis(2-Chloroethoxy)methane	8.00	93	824155	40.809	ng	99
29) 2,4-Dichlorophenol	8.11	162	581710	42.306	ng	99
30) 1,2,4-Trichlorobenzene	8.19	180	628113	40.798	ng	95
31) Naphthalene	8.28	128	1964962	42.474	ng	99
32) Benzoic acid	8.03	122	410169	46.445	ng	90
33) 4-Chloroaniline	8.32	127	540162	25.974	ng	99
34) Hexachlorobutadiene	8.39	225	334921	39.451	ng	100
35) Caprolactam	8.76	113	51862	10.620	ng	90
36) 4-Chloro-3-methylphenol	8.80	107	628103	43.301	ng	96
37) 2-Methylnaphthalene	8.97	142	1364448	45.548	ng	99
38) 1-Methylnaphthalene	9.07	142	1272875	43.850	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.13	216	570256	37.881	ng	98

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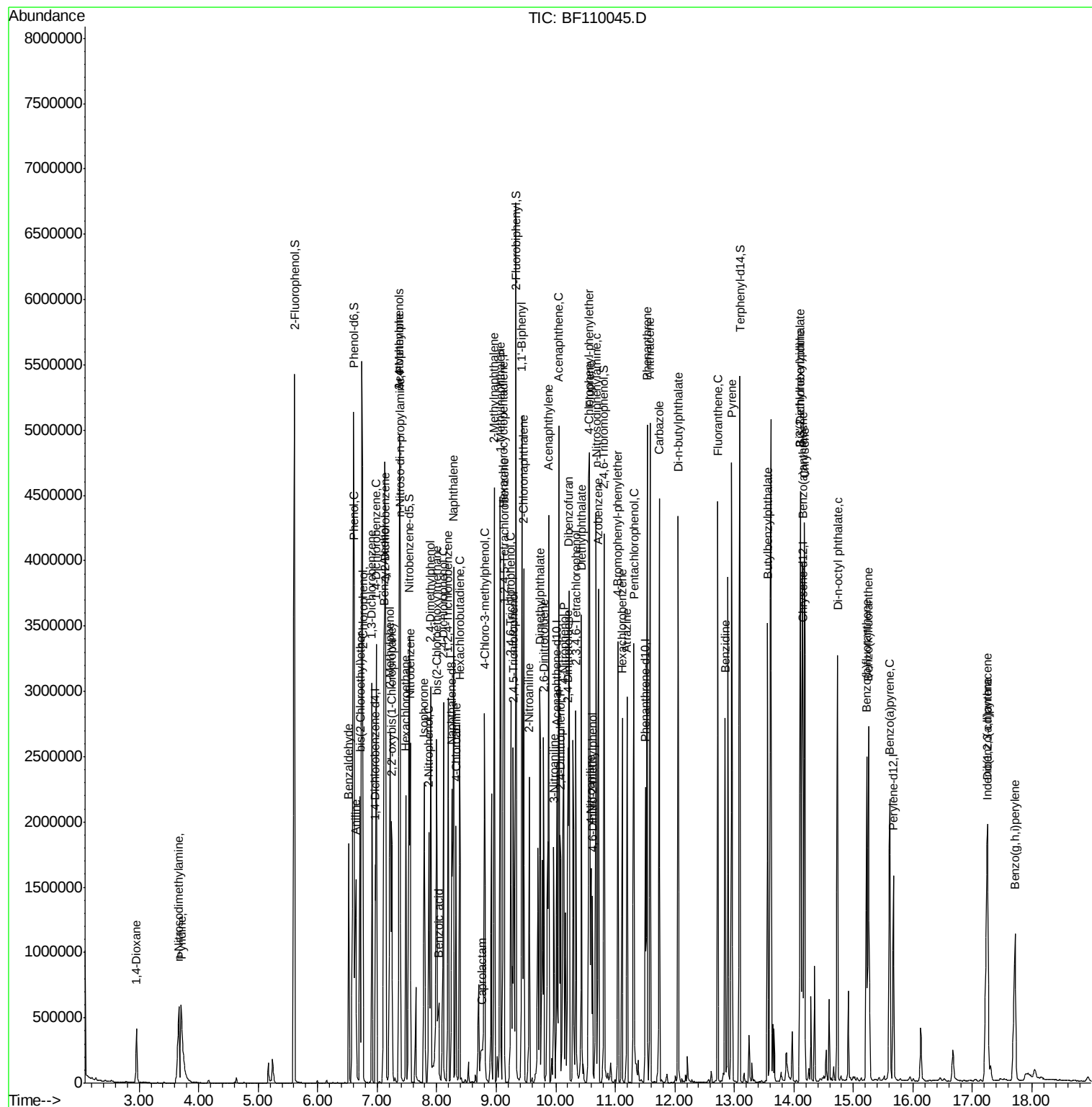
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.12	237	684261	94.175	nq	98
43) 2,4,6-Trichlorophenol	9.25	196	399930	42.487	nq	96
44) 2,4,5-Trichlorophenol	9.29	196	422679	43.265	nq	95
46) 1,1'-Biphenyl	9.43	154	1628254	37.392	nq	97
47) 2-Chloronaphthalene	9.46	162	1251237	39.009	nq	99
48) 2-Nitroaniline	9.56	65	399677	48.555	nq	95
49) Acenaphthylene	9.88	152	1948052	41.807	nq	97
50) Dimethylphthalate	9.73	163	1433806	41.430	nq	99
51) 2,6-Dinitrotoluene	9.80	165	323525	49.219	nq	97
52) Acenaphthene	10.05	154	1207011	40.687	nq	99
53) 3-Nitroaniline	9.97	138	269572	33.714	nq	95
54) 2,4-Dinitrophenol	10.08	184	266437	121.979	nq	84
55) Dibenzofuran	10.23	168	1687605	39.889	nq	98
56) 4-Nitrophenol	10.13	139	577299	94.623	nq	93
57) 2,4-Dinitrotoluene	10.20	165	434745	51.942	nq	92
58) Fluorene	10.57	166	1323245	42.965	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.34	232	354847	45.830	nq	96
60) Diethylphthalate	10.43	149	1378459	40.328	nq	99
61) 4-Chlorophenyl-phenylether	10.56	204	615422	38.361	nq	97
62) 4-Nitroaniline	10.59	138	371106	49.030	nq	94
63) Azobenzene	10.72	77	1379554	38.634	nq	95
65) 4,6-Dinitro-2-methylphenol	10.62	198	170315	50.885	nq	98
66) n-Nitrosodiphenylamine	10.67	169	1189283	39.082	nq	95
67) 4-Bromophenyl-phenylether	11.05	248	378756	38.251	nq	# 89
68) Hexachlorobenzene	11.12	284	404730	38.330	nq	96
69) Atrazine	11.20	200	403662	42.466	nq	98
70) Pentachlorophenol	11.31	266	435671	72.501	nq	96
71) Phenanthrene	11.53	178	1937161	40.954	nq	98
72) Anthracene	11.59	178	1996106	41.975	nq	99
73) Carbazole	11.74	167	1781419	38.116	nq	98
74) Di-n-butylphthalate	12.06	149	2042500	39.159	nq	99
75) Fluoranthene	12.72	202	1984790	42.003	nq	97
77) Benzidine	12.84	184	1113430	45.495	nq	97
78) Pyrene	12.96	202	1981662	42.269	nq	99
80) Butylbenzylphthalate	13.56	149	865143	45.645	nq	94
81) Benzo(a)anthracene	14.14	228	1635678	43.504	nq	99
82) 3,3'-Dichlorobenzidine	14.10	252	360778	27.371	nq	99
83) Chrysene	14.18	228	1490645	41.653	nq	99
84) Bis(2-ethylhexyl)phthalate	14.11	149	1119404	44.884	nq	96
85) Di-n-octyl phthalate	14.73	149	1665178	47.358	nq	98
86) Indeno(1,2,3-cd)pyrene	17.24	276	1252835	43.479	nq	# 95
88) Benzo(b)fluoranthene	15.22	252	1264062	45.263	nq	97
89) Benzo(k)fluoranthene	15.25	252	1227979	44.611	nq	# 96
90) Benzo(a)pyrene	15.61	252	1182618	46.043	nq	97
91) Dibenzo(a,h)anthracene	17.26	278	1032831	45.374	nq	98
92) Benzo(g,h,i)perylene	17.72	276	1052872	45.780	nq	# 95

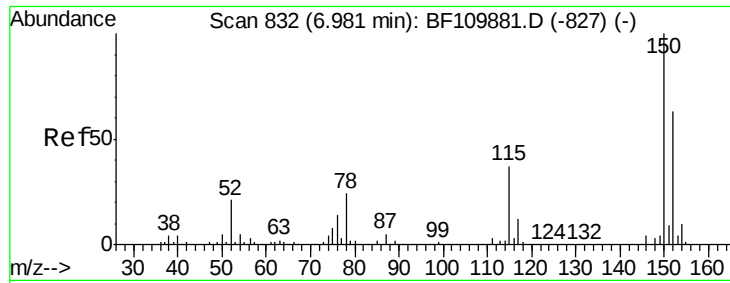
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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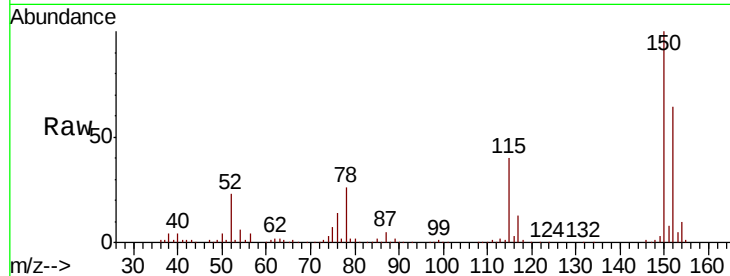


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	122.7	184.1
115	62.7	49.1	73.7

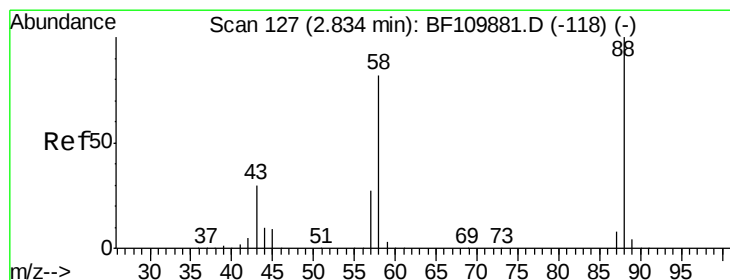
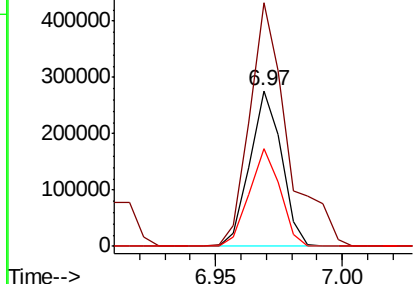
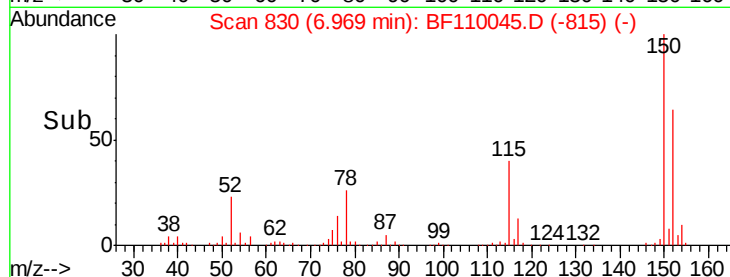


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

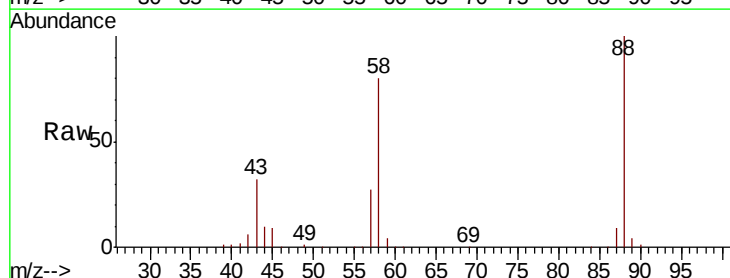
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 24.640 ng
RT: 2.96 min Scan# 148
Delta R.T. 0.11 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
88	100		
58	82.5	57.1	85.7
43	31.0	24.1	36.1

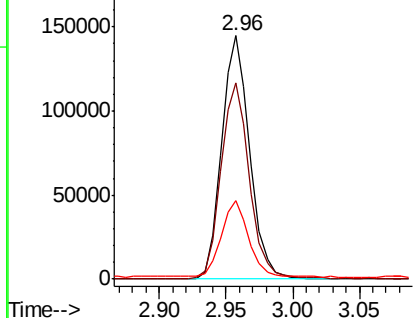
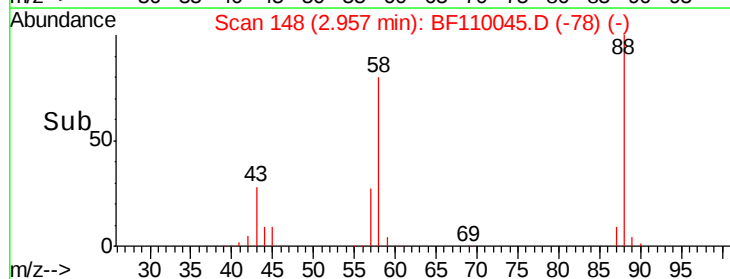


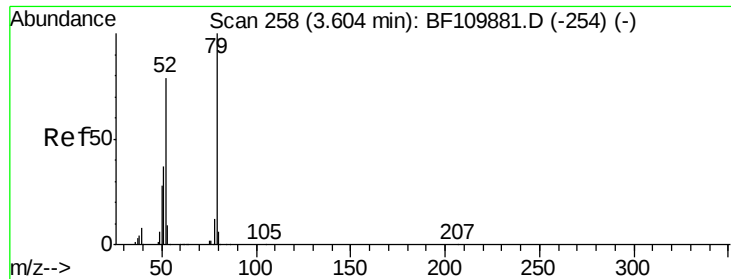
Abundance

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: 29.892 ng

RT: 3.70 min Scan# 275

Delta R.T. 0.09 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

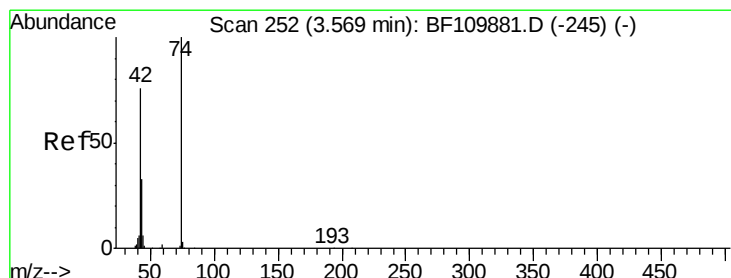
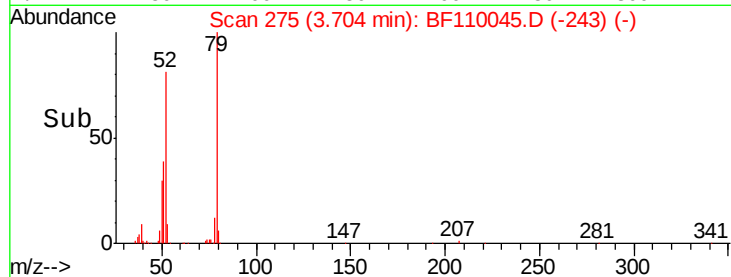
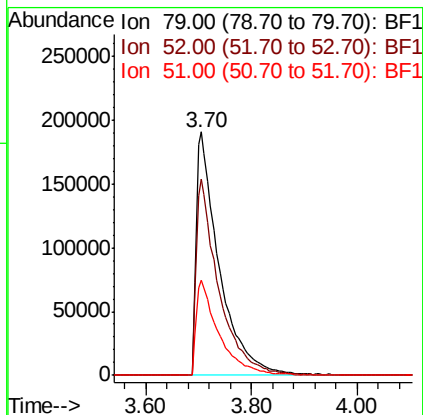
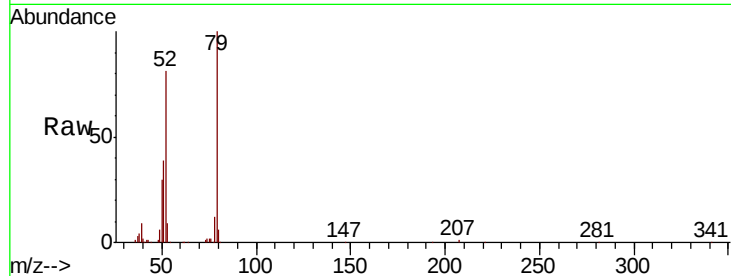
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 79 Resp: 575791

Ion	Ratio	Lower	Upper
79	100		
52	80.6	53.1	79.7#
51	39.2	27.4	41.2



#4

n-Nitrosodimethylamine

Concen: 42.567 ng

RT: 3.67 min Scan# 269

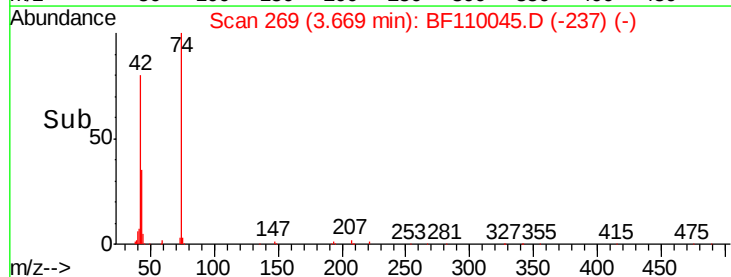
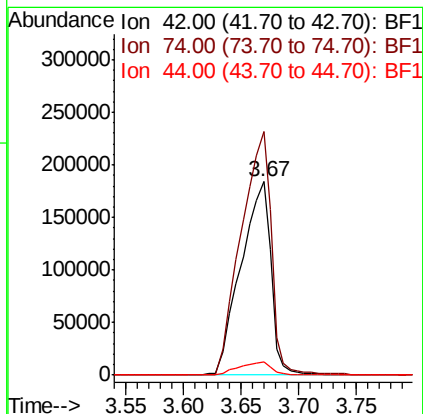
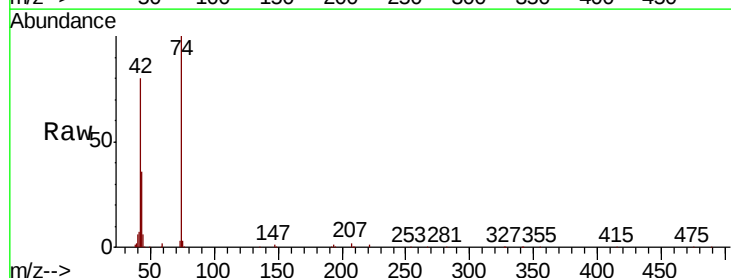
Delta R.T. 0.09 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

Tgt Ion: 42 Resp: 334481

Ion	Ratio	Lower	Upper
42	100		
74	125.7	105.5	158.3
44	7.0	4.9	7.3





#5

2-Fluorophenol

Concen: 117.992 ng

RT: 5.61 min Scan# 599

Delta R.T. 0.01 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

Instrument :

BNA_F

ClientSampled :

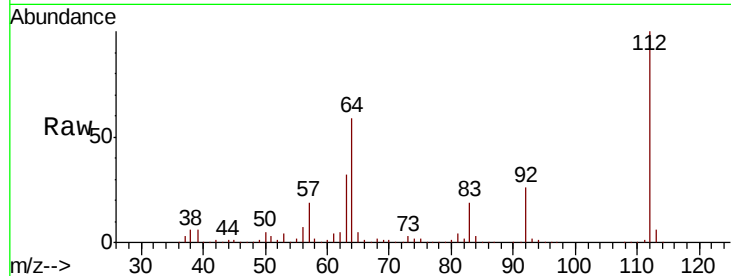
Tot Ion:112 Resp: 1794931

Ion Ratio Lower Upper

112 100

64 59.3 44.1 66.1

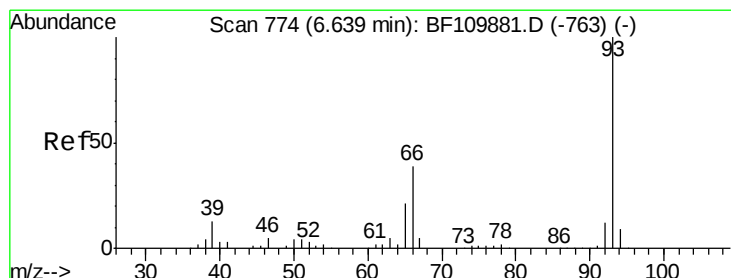
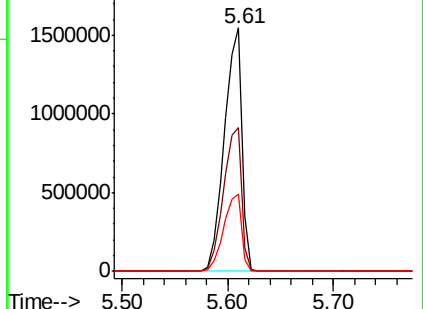
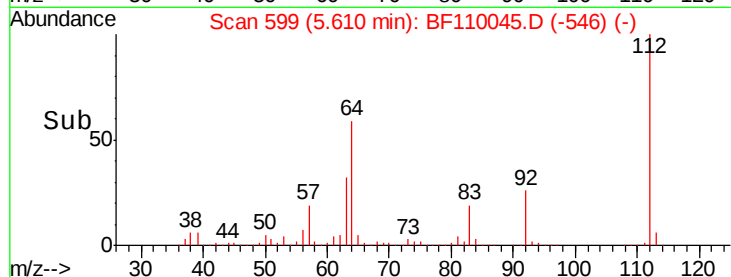
63 31.9 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 33.140 ng

RT: 6.64 min Scan# 774

Delta R.T. -0.01 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

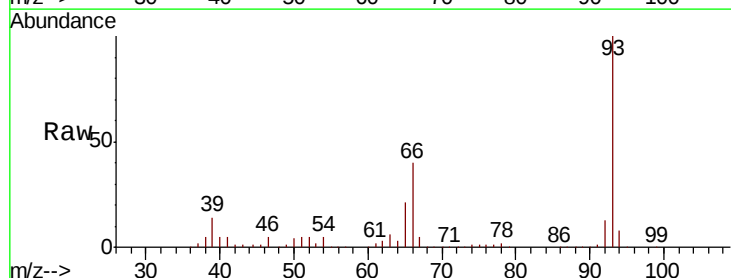
Tgt Ion: 93 Resp: 843603

Ion Ratio Lower Upper

93 100

66 40.5 67.4 101.0#

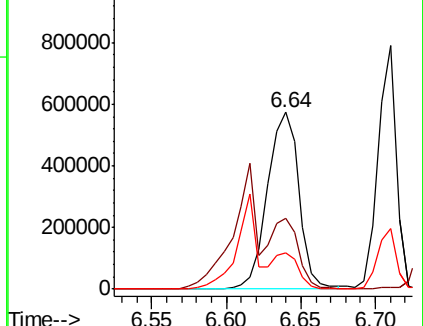
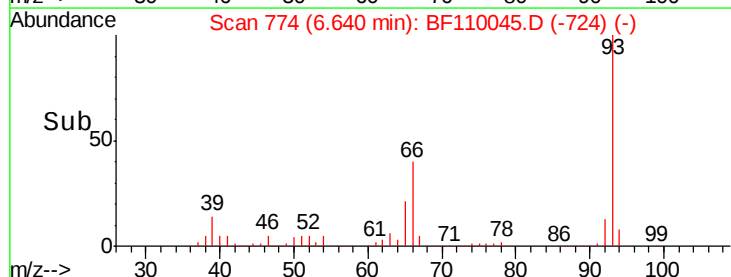
65 20.7 41.0 61.4#

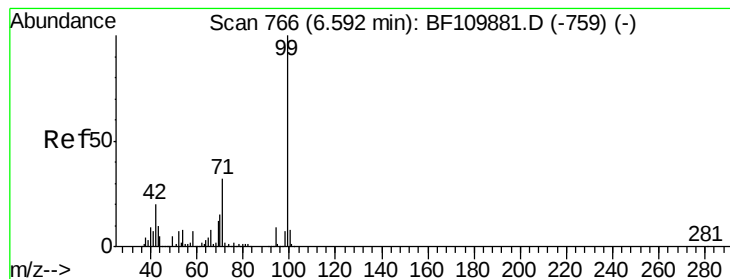


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 120.039 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.00 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

Instrument :

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ClientSampleId :

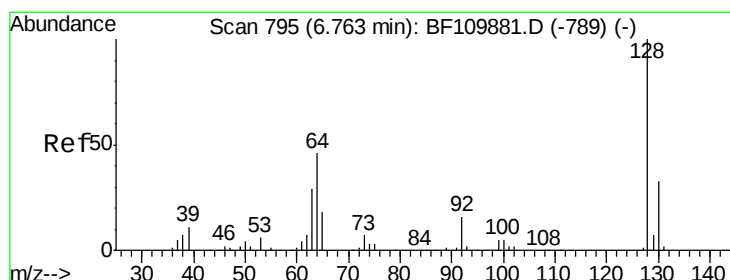
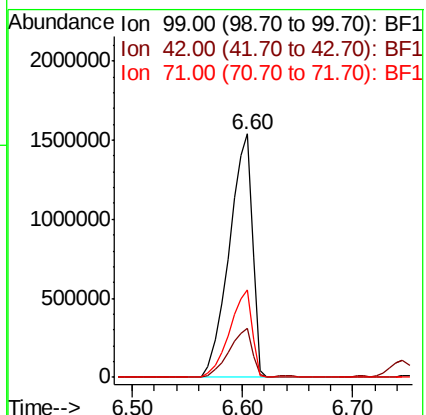
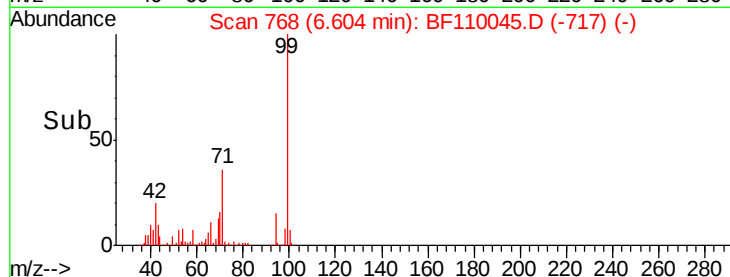
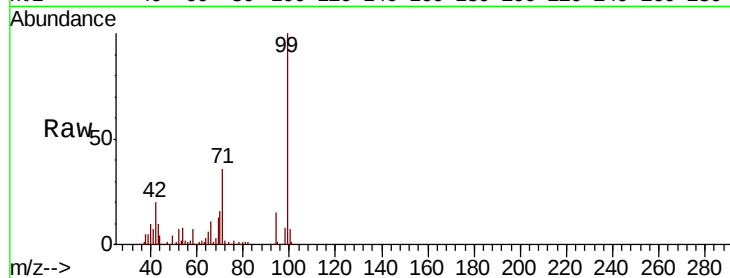
Tot Ion: 99 Resp: 2267494

Ion Ratio Lower Upper

99 100

42 20.0 15.8 23.6

71 35.8 28.0 42.0



#8

2-Chlorophenol

Concen: 40.364 ng

RT: 6.76 min Scan# 795

Delta R.T. -0.01 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

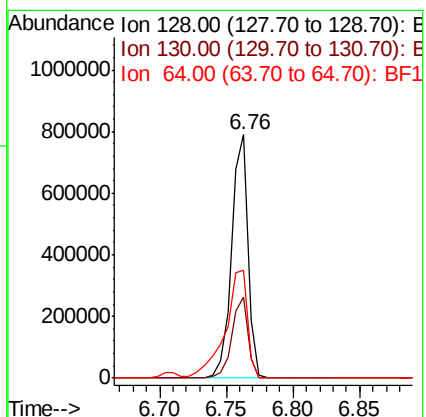
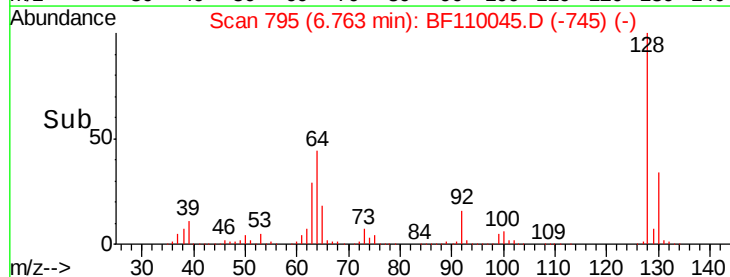
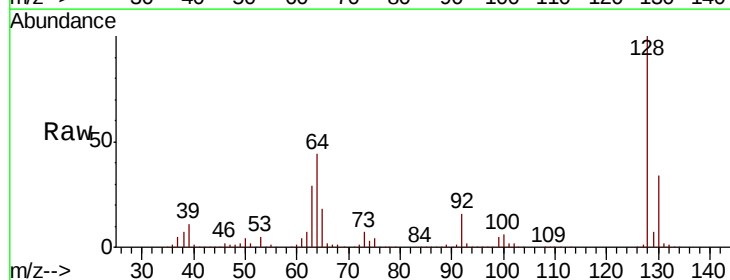
Tgt Ion: 128 Resp: 687796

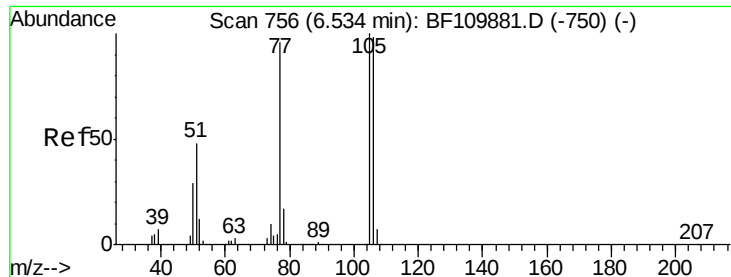
Ion Ratio Lower Upper

128 100

130 33.5 13.1 53.1

64 44.2 26.0 66.0





#9

Benzaldehyde

Concen: 27.710 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

Instrument :

BNA_F

ClientSampled :

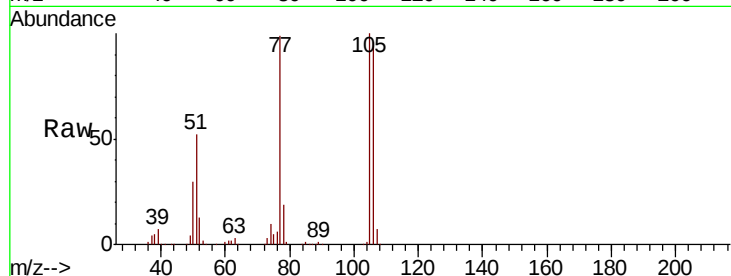
Tot Ion: 77 Resp: 340154

Ion Ratio Lower Upper

77 100

105 100.7 78.6 118.6

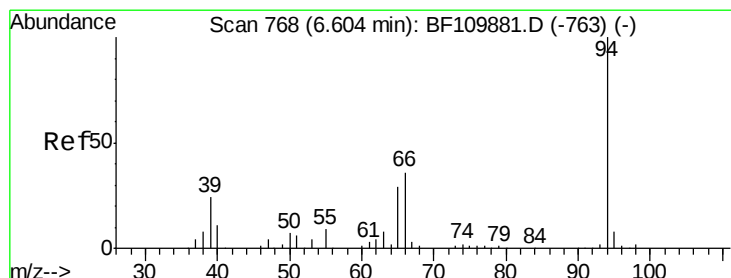
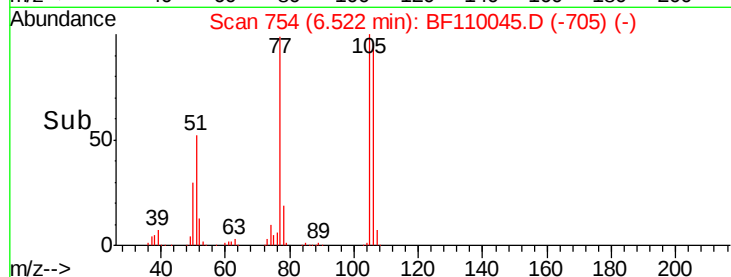
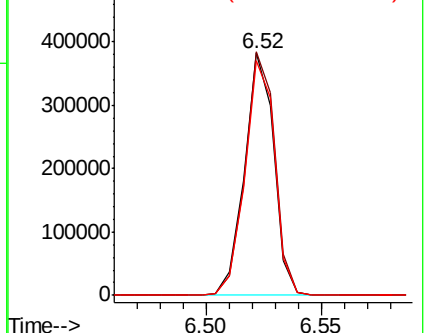
106 97.1 74.8 114.8



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 42.315 ng

RT: 6.62 min Scan# 770

Delta R.T. -0.00 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

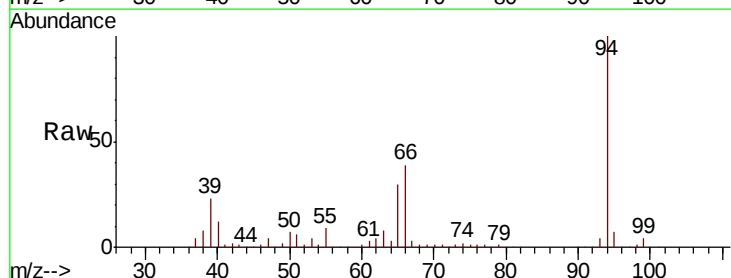
Tgt Ion: 94 Resp: 862999

Ion Ratio Lower Upper

94 100

65 30.1 25.3 65.3

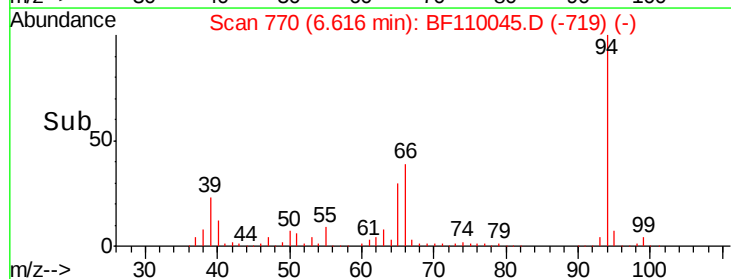
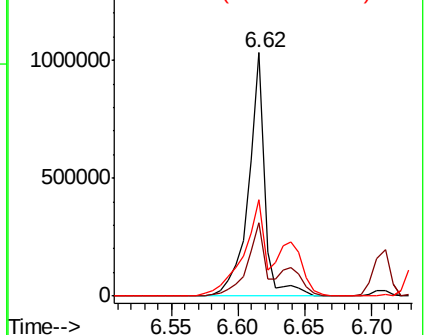
66 39.5 54.5 94.5#

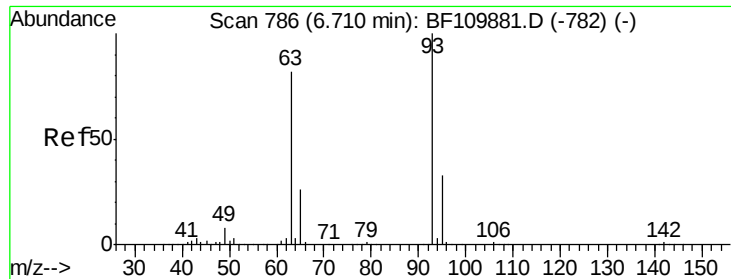


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

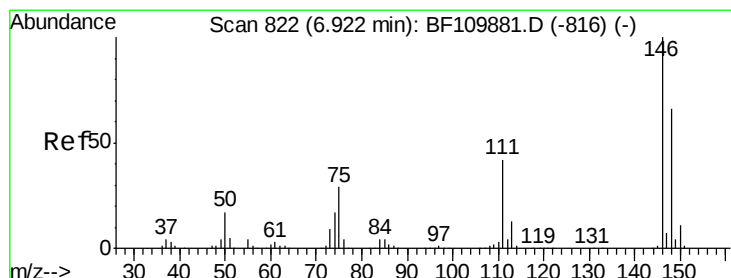
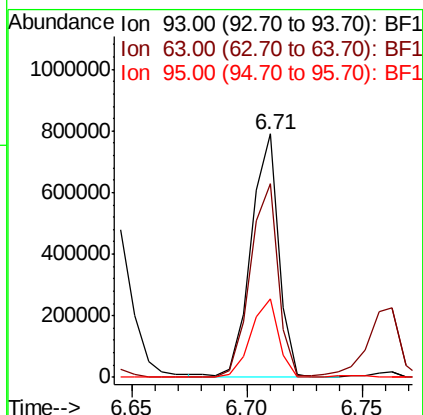
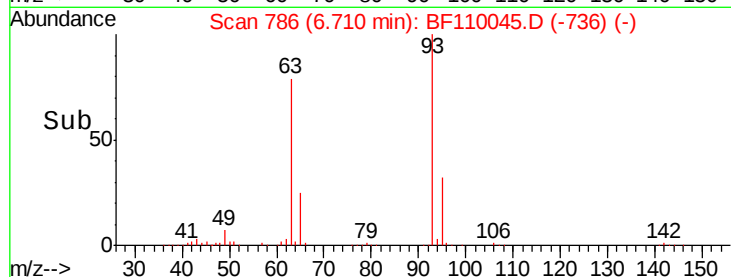
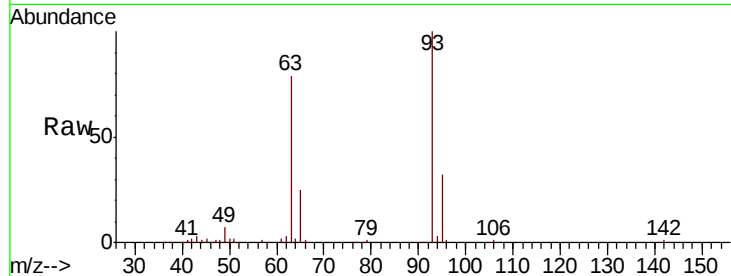




#11
bis(2-Chloroethyl)ether
Concen: 38.597 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

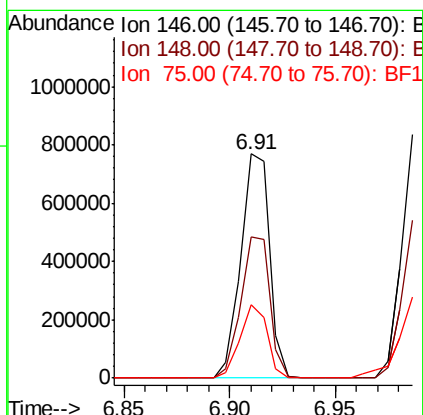
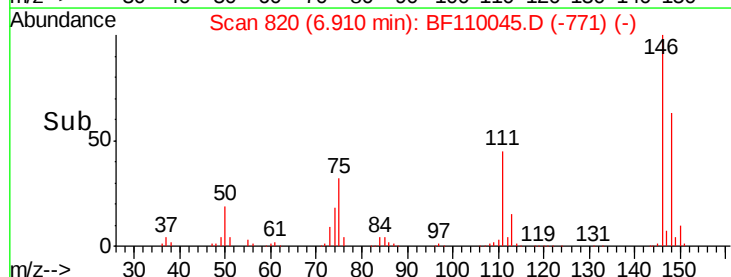
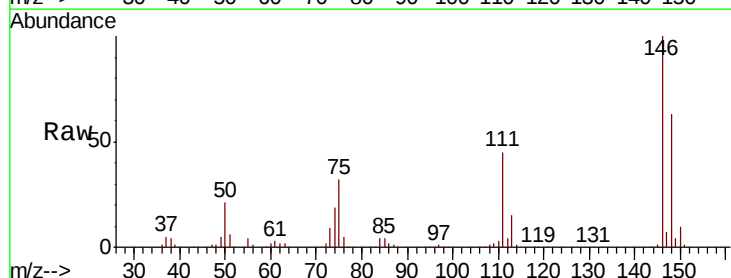
Instrument :
BNA_F
ClientSampleId :

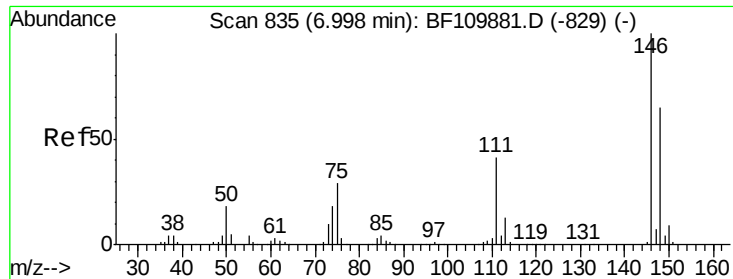
Tot Ion: 93 Resp: 658172
Ion Ratio Lower Upper
93 100
63 79.3 53.4 93.4
95 32.1 12.1 52.1



#12
1,3-Dichlorobenzene
Concen: 38.686 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Tgt Ion: 146 Resp: 722856
Ion Ratio Lower Upper
146 100
148 63.2 50.4 75.6
75 32.5 25.8 38.6

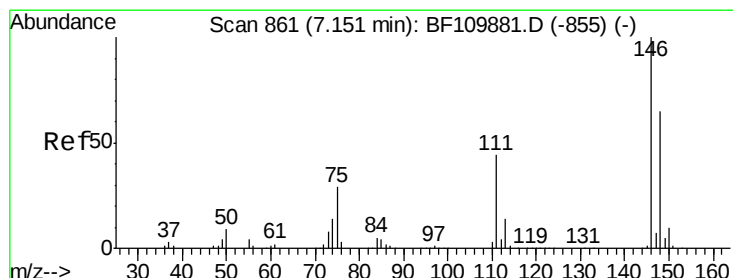
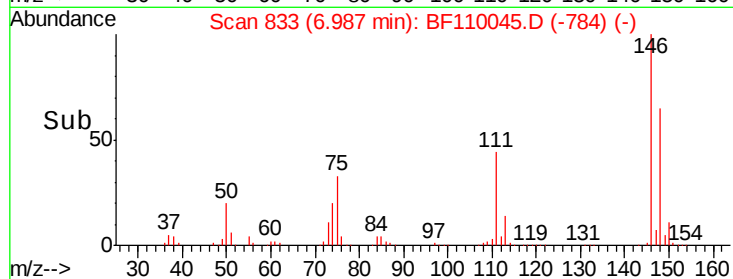
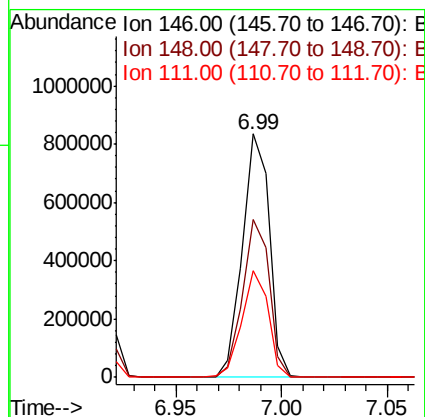
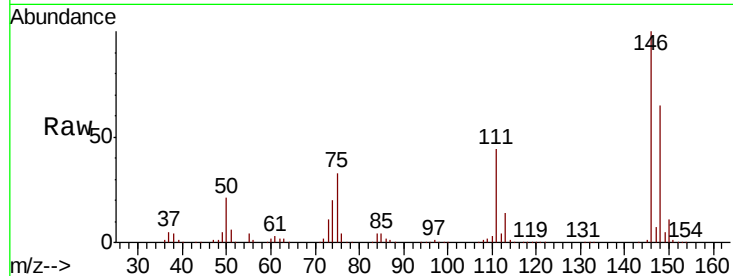




#13
 1,4-Dichlorobenzene
 Concen: 39.126 ng
 RT: 6.99 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: BF110045.D
 Acq: 22 Oct 2018 13:22

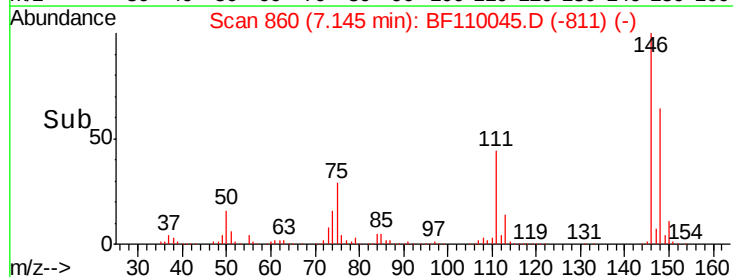
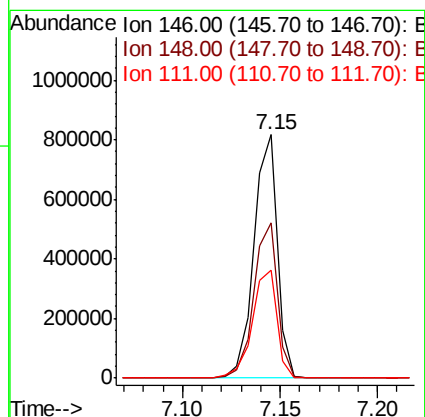
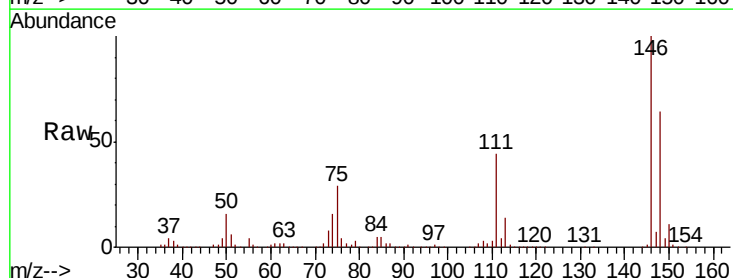
Instrument :
 BNA_F
 ClientSampled :

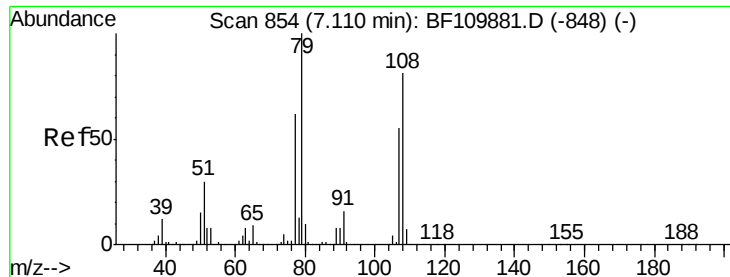
Tot Ion:146 Resp: 736272
 Ion Ratio Lower Upper
 146 100
 148 65.1 50.3 75.5
 111 43.8 32.7 49.1



#14
 1,2-Dichlorobenzene
 Concen: 39.139 ng
 RT: 7.15 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: BF110045.D
 Acq: 22 Oct 2018 13:22

Tgt Ion:146 Resp: 678220
 Ion Ratio Lower Upper
 146 100
 148 64.0 51.1 76.7
 111 44.1 35.8 53.6





#15

Benzyl Alcohol

Concen: 41.010 ng

RT: 7.11 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

Instrument :

BNA_F

ClientSampleId :

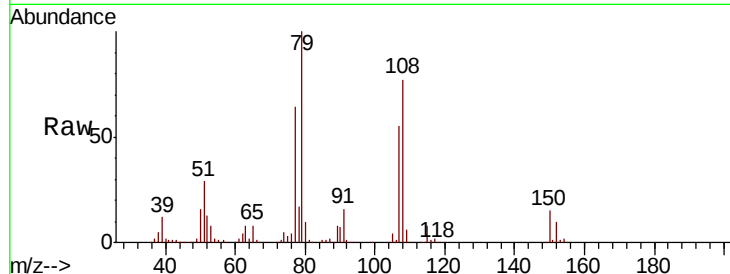
Tot Ion: 79 Resp: 595980

Ion Ratio Lower Upper

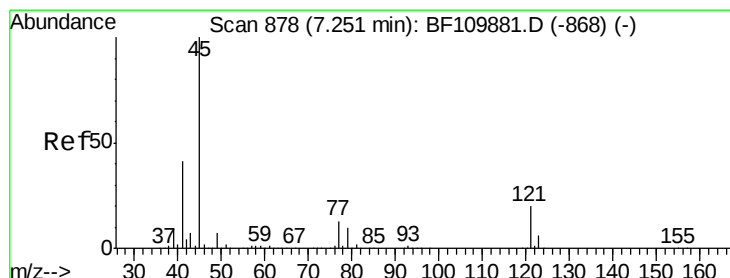
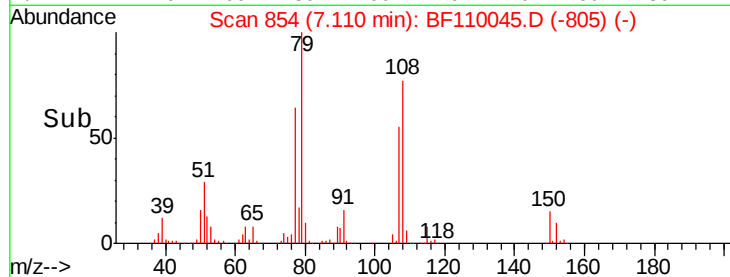
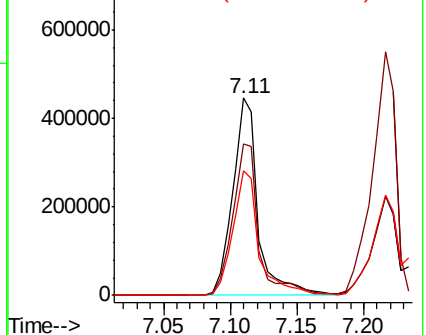
79 100

108 77.1 56.3 84.5

77 63.5 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: 38.522 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.01 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

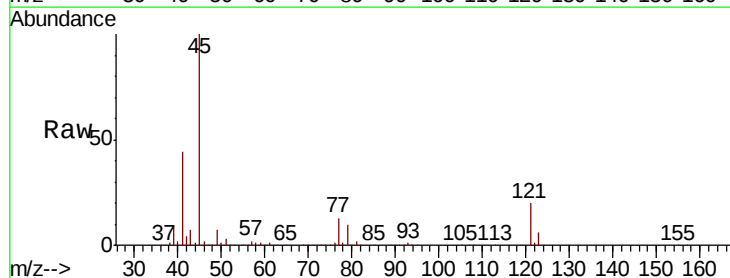
Tgt Ion: 45 Resp: 1078186

Ion Ratio Lower Upper

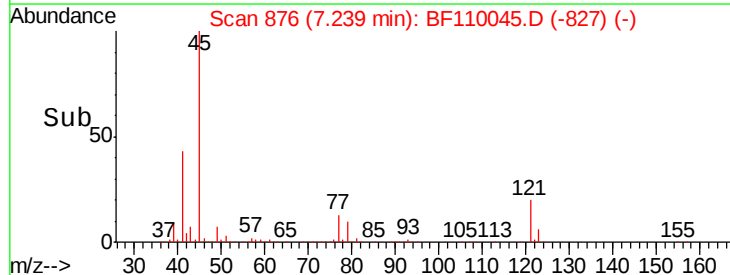
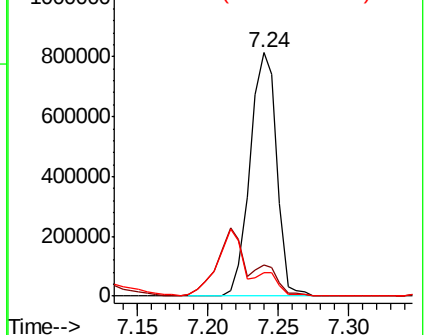
45 100

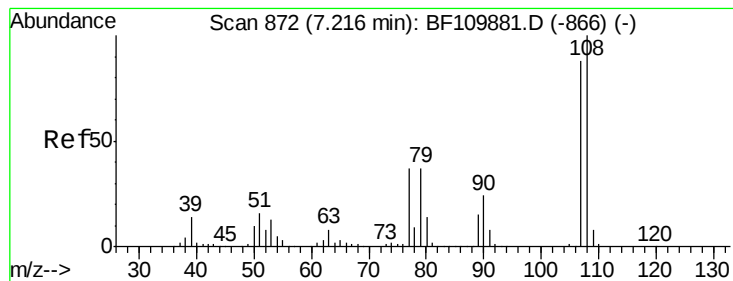
77 13.0 10.0 50.0

79 9.7 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

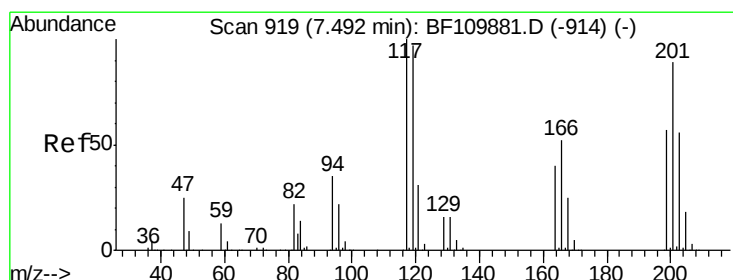
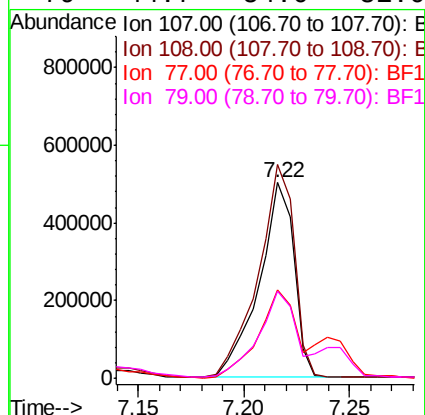
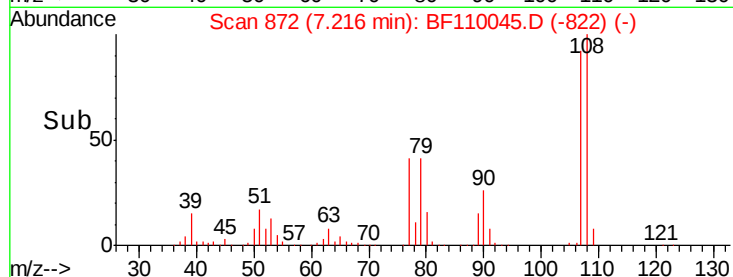
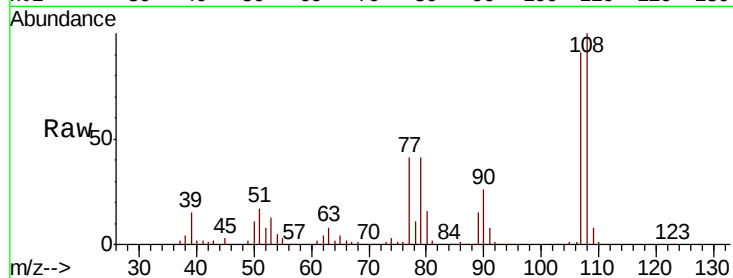




#17
2-Methylphenol
Concen: 42.280 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

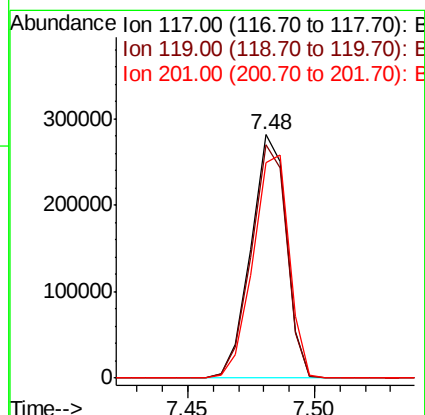
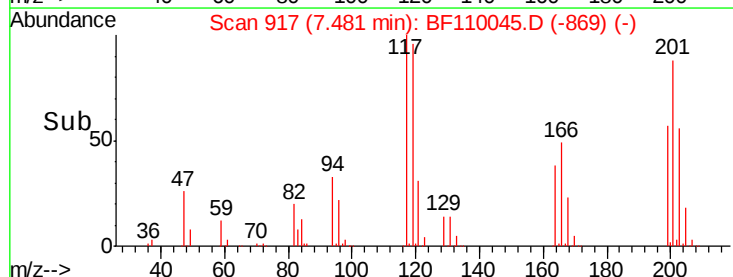
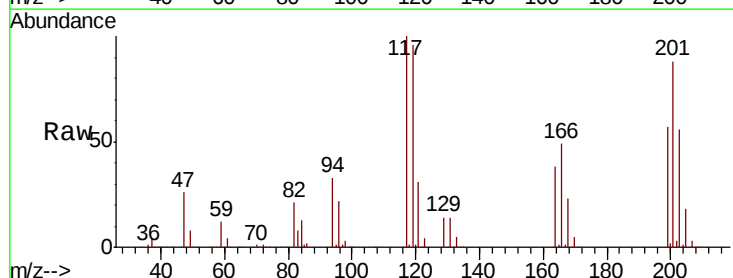
Instrument :
BNA_F
ClientSampleId :

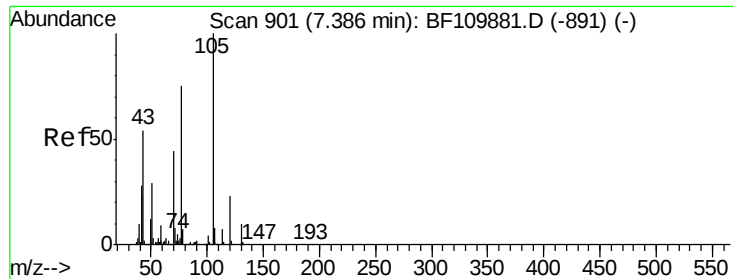
Tot Ion:	107	Resp:	580956
Ion	Ratio	Lower	Upper
107	100		
108	109.3	92.6	138.8
77	45.3	59.4	89.2#
79	44.7	54.0	81.0#



#18
Hexachloroethane
Concen: 41.367 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.02 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Tgt Ion:	117	Resp:	275091
Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.0	112.6
201	88.3	79.2	118.8

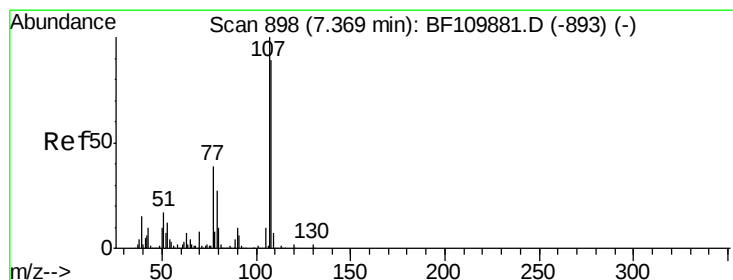
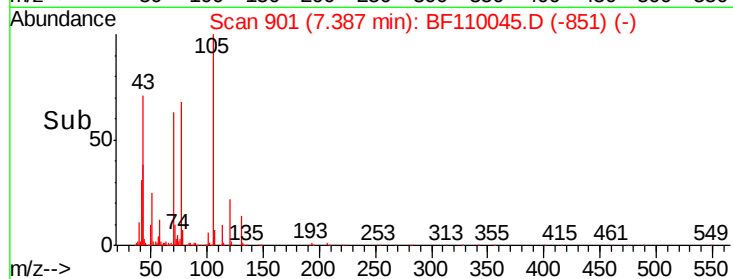
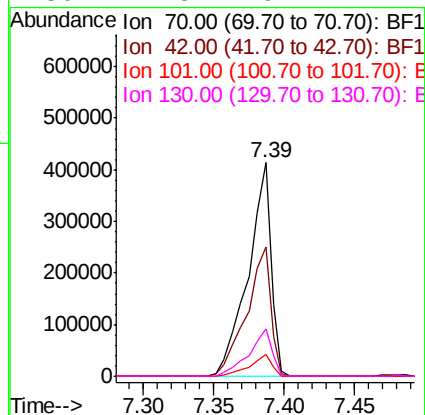
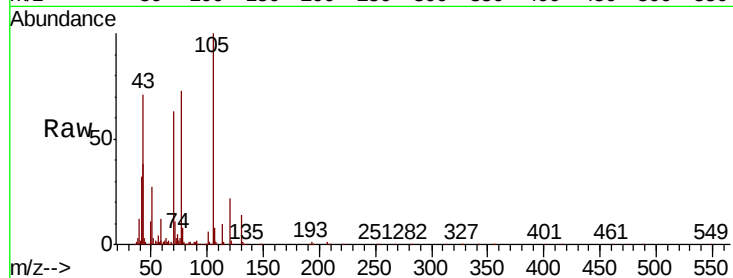




#19
n-Nitroso-di-n-propylamine
Concen: 38.982 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

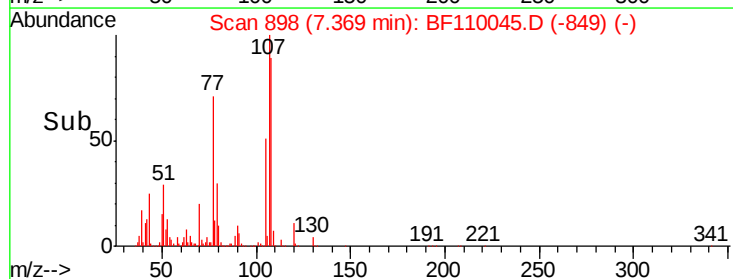
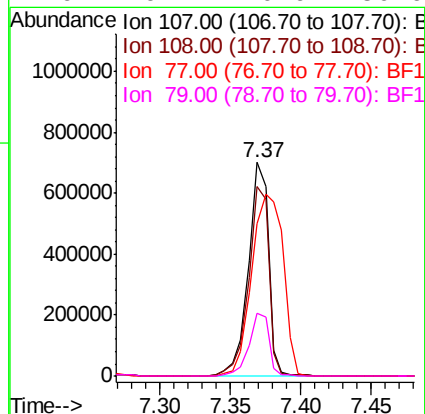
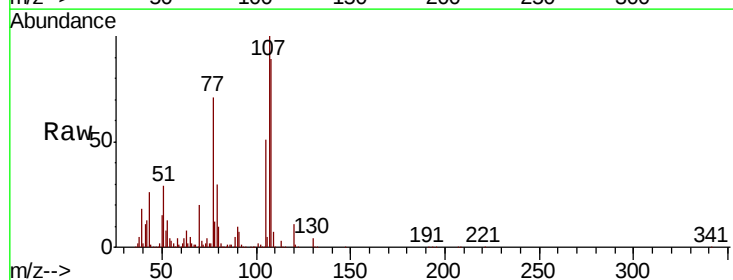
Instrument :
BNA_F
ClientSampleId :

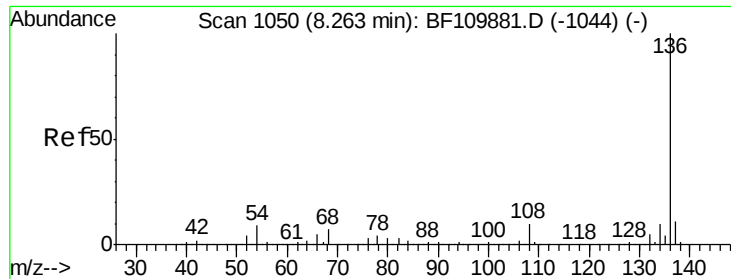
Tot Ion:	70	Resp:	472792
Ion	Ratio	Lower	Upper
70	100		
42	60.8	47.4	71.2
101	10.0	7.3	10.9
130	22.3	16.2	24.2



#20
3+4-Methylphenols
Concen: 40.240 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Tgt Ion:	107	Resp:	701637
Ion	Ratio	Lower	Upper
107	100		
108	88.5	71.4	111.4
77	71.4	47.3	87.3
79	29.7	10.9	50.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. -0.01 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 1008855

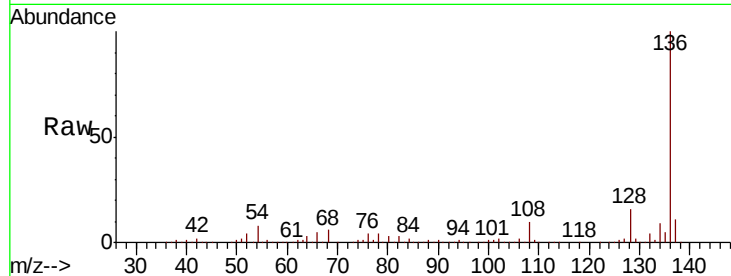
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 8.1 5.4 8.2

68 5.6 4.2 6.2

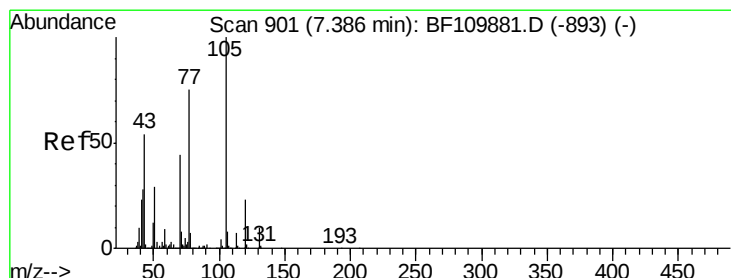
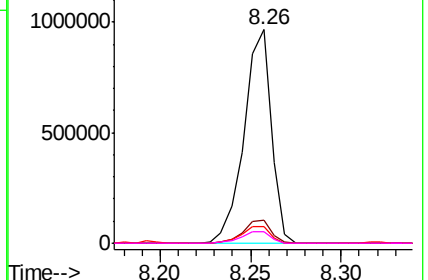
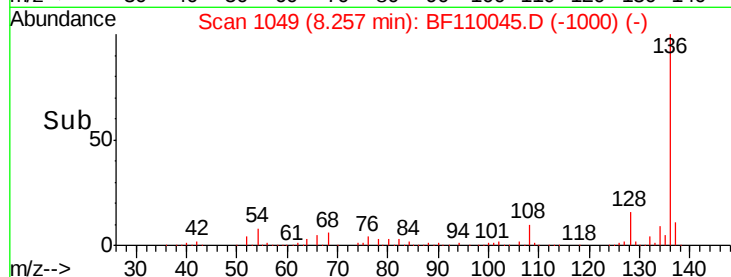


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 40.853 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.01 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

Tgt Ion:105 Resp: 955803

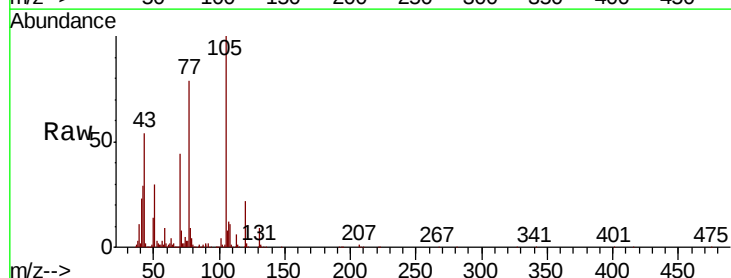
Ion Ratio Lower Upper

105 100

71 7.6 5.2 7.8

51 29.7 21.8 32.8

120 22.5 17.0 25.4

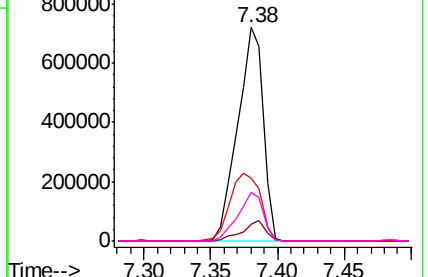
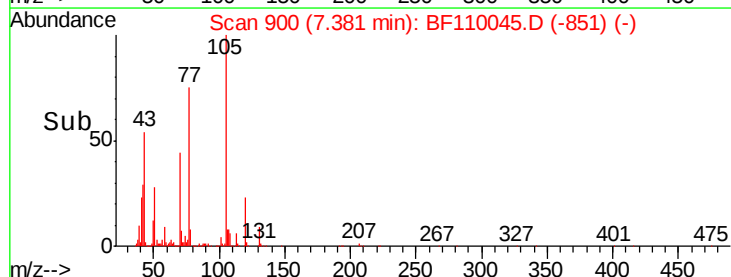


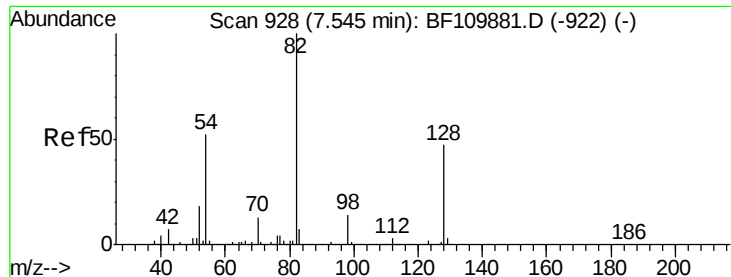
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

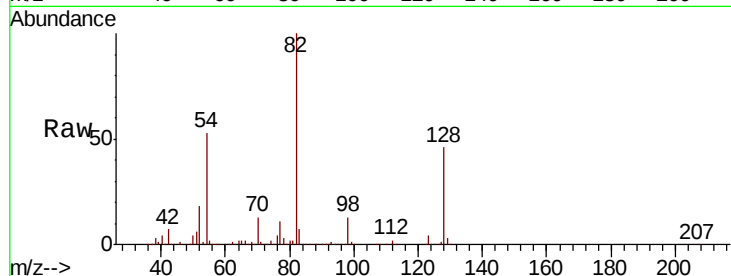




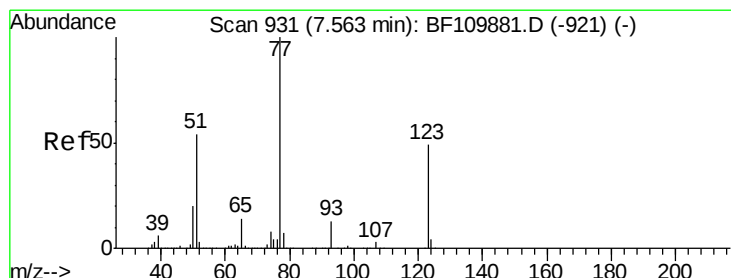
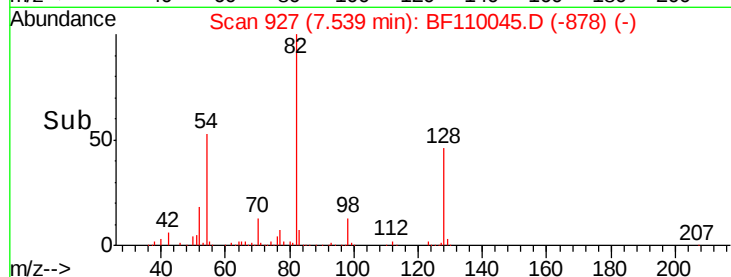
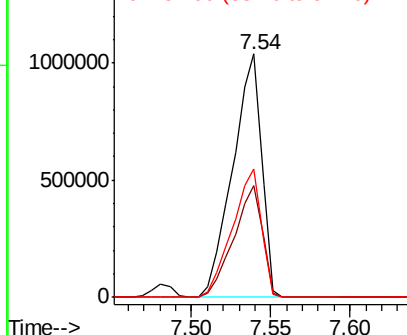
#23
Nitrobenzene-d5
Concen: 87.408 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1309043
Ion Ratio Lower Upper
82 100
128 45.7 34.2 51.2
54 52.6 38.6 58.0

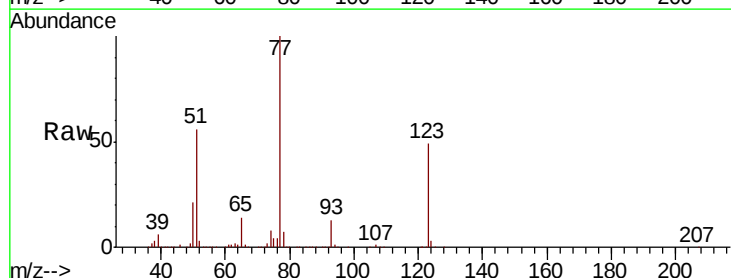


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

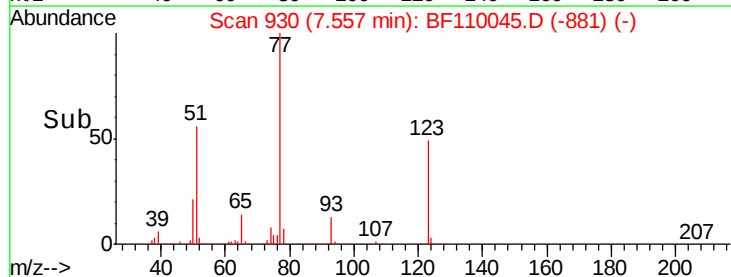
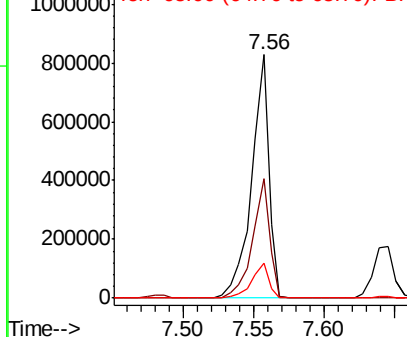


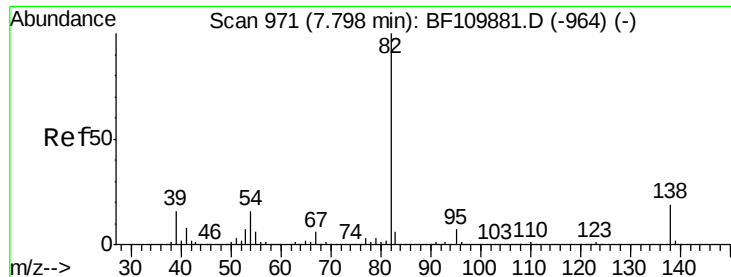
#24
Nitrobenzene
Concen: 44.089 ng
RT: 7.56 min Scan# 930
Delta R.T. -0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Tgt Ion: 77 Resp: 717287
Ion Ratio Lower Upper
77 100
123 48.9 35.7 53.5
65 14.4 10.7 16.1



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

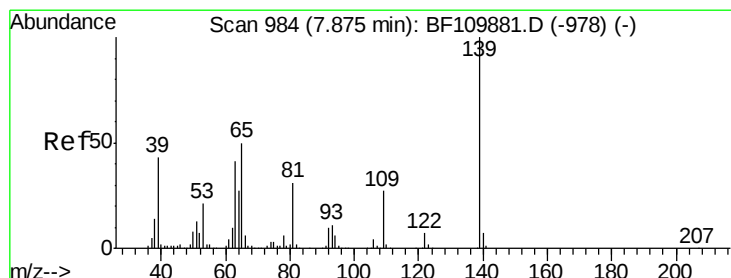
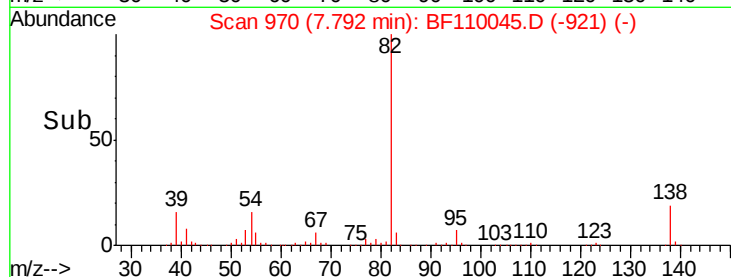
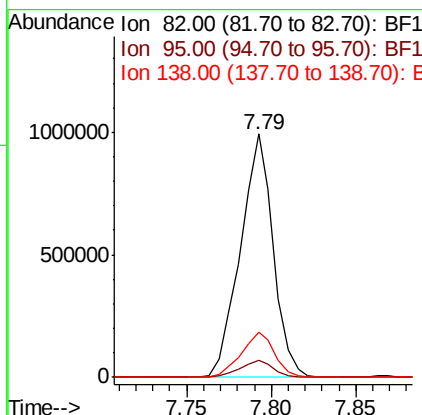
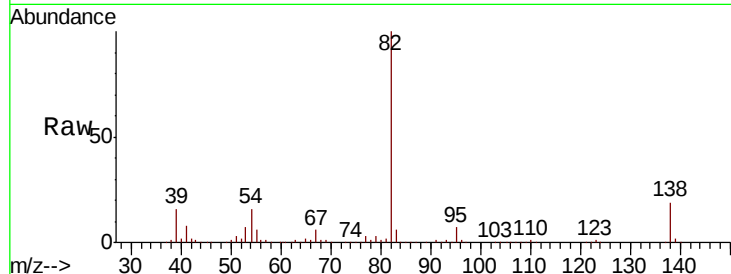




#25
Isophorone
Concen: 45.667 ng
RT: 7.79 min Scan# 970
Delta R.T. -0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

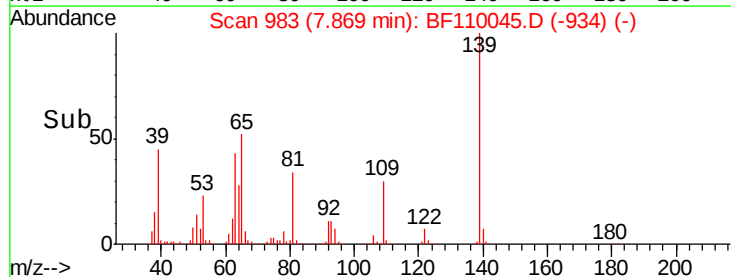
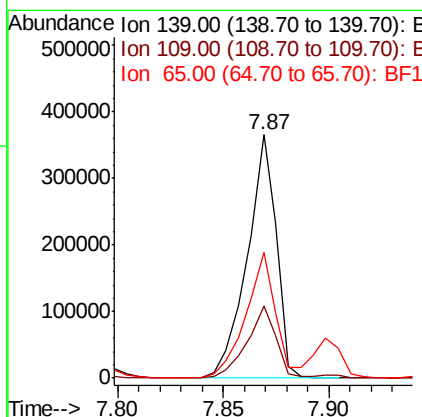
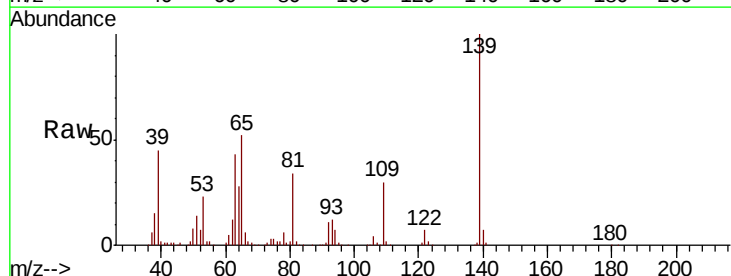
Instrument :
BNA_F
ClientSampleId :

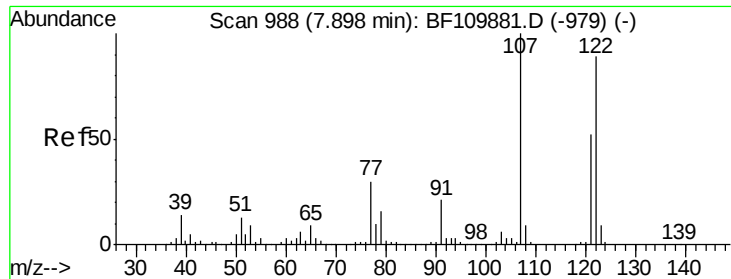
Tot Ion: 82 Resp: 1343827
Ion Ratio Lower Upper
82 100
95 7.1 5.7 8.5
138 18.8 13.2 19.8



#26
2-Nitrophenol
Concen: 51.967 ng
RT: 7.87 min Scan# 983
Delta R.T. -0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Tgt Ion: 139 Resp: 350549
Ion Ratio Lower Upper
139 100
109 29.7 25.0 37.6
65 51.9 44.0 66.0

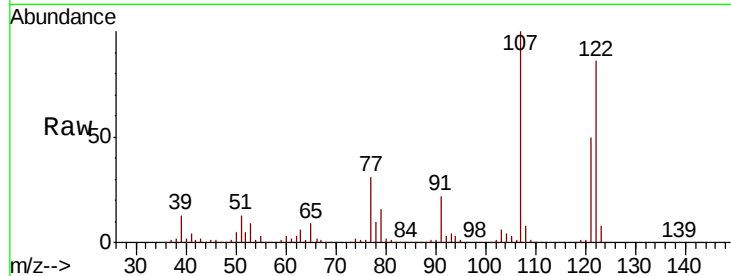




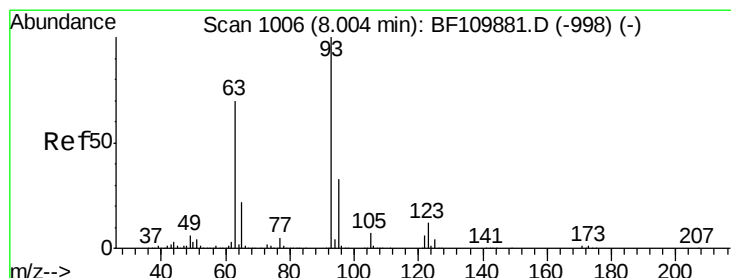
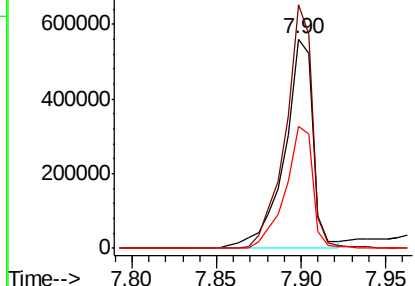
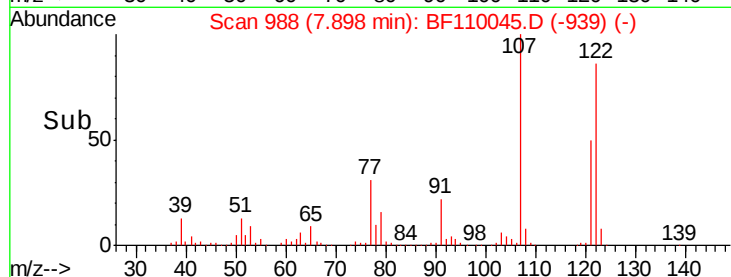
#27
2,4-Dimethylphenol
Concen: 46.073 ng
RT: 7.90 min Scan# 988
Delta R.T. -0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:122 Resp: 653036
Ion Ratio Lower Upper
122 100
107 116.4 92.5 138.7
121 58.6 45.8 68.8

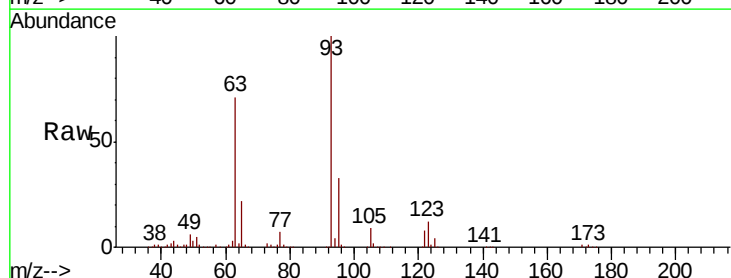


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

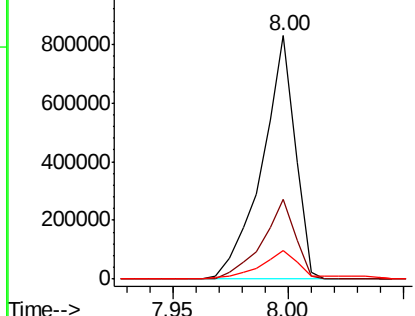
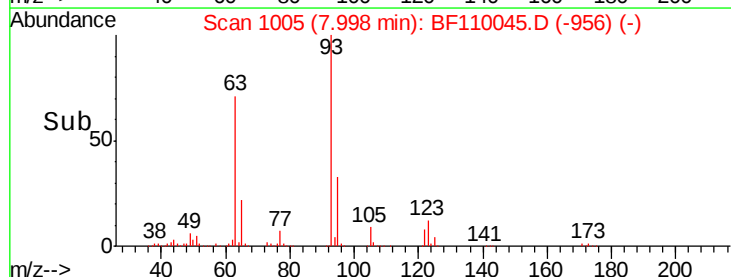


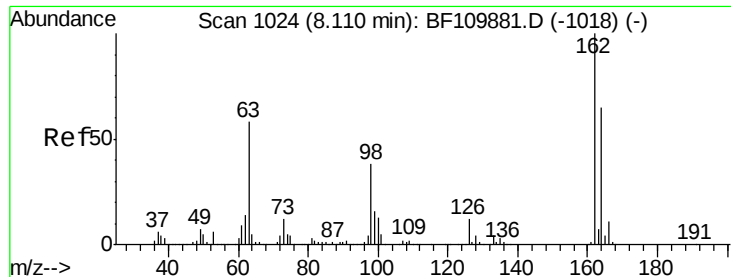
#28
bis(2-Chloroethoxy)methane
Concen: 40.809 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Tgt Ion: 93 Resp: 824155
Ion Ratio Lower Upper
93 100
95 32.8 26.4 39.6
123 12.0 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

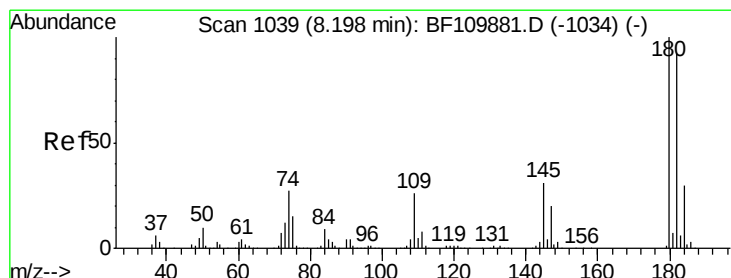
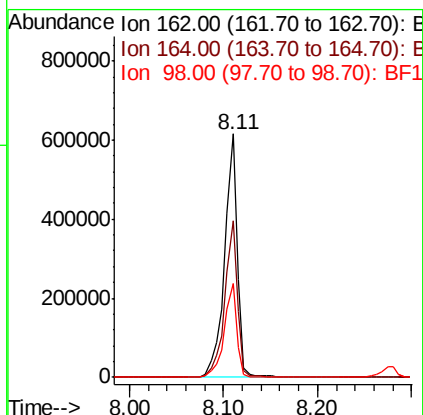
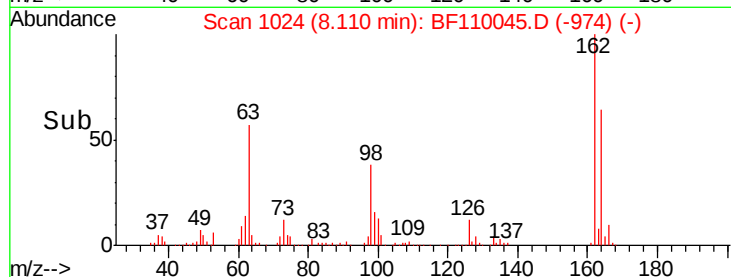
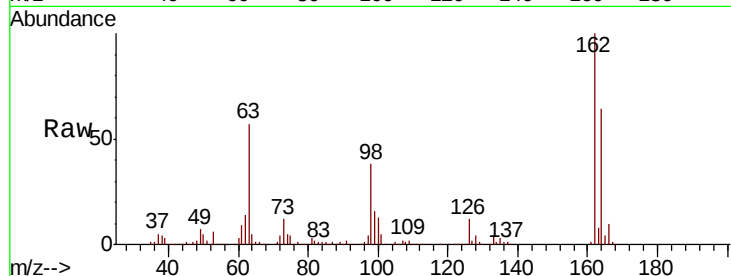




#29
 2,4-Dichlorophenol
 Concen: 42.306 ng
 RT: 8.11 min Scan# 1024
 Delta R.T. -0.01 min
 Lab File: BF110045.D
 Acq: 22 Oct 2018 13:22

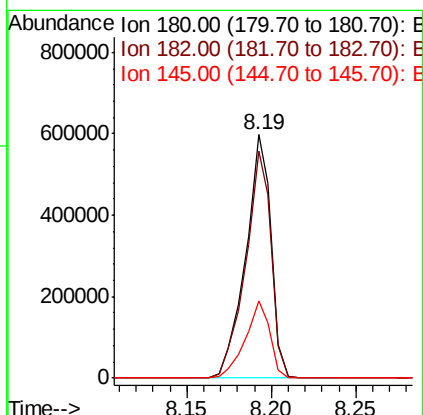
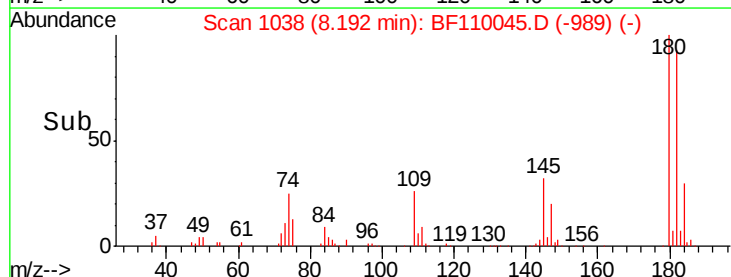
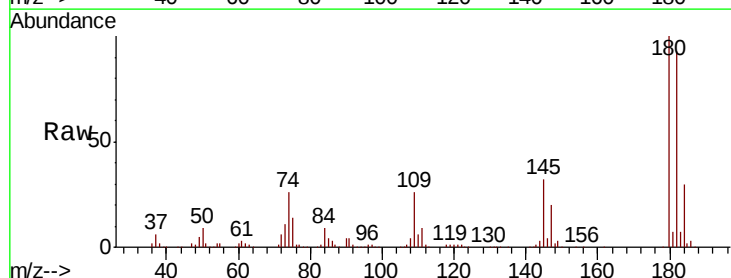
Instrument :
 BNA_F
 ClientSampleId :

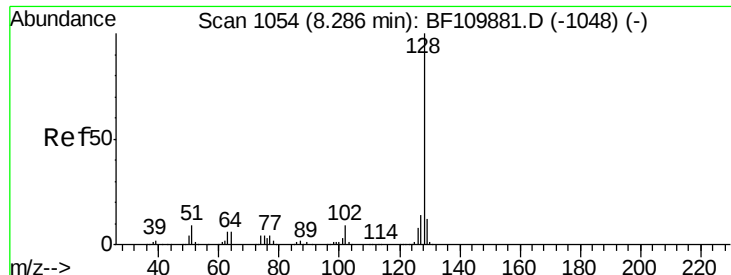
Tot Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.6	84.6
98	38.4	17.4	57.4



#30
 1,2,4-Trichlorobenzene
 Concen: 40.798 ng
 RT: 8.19 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF110045.D
 Acq: 22 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.3	80.3	120.5
145	31.5	25.4	38.0

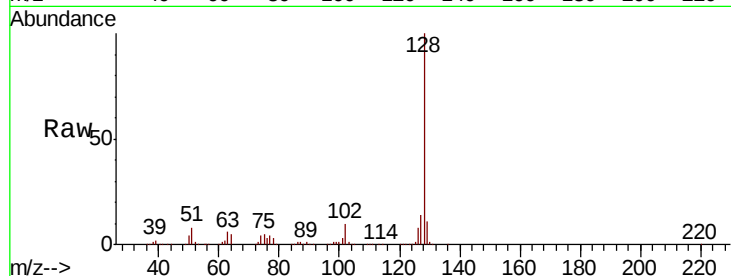




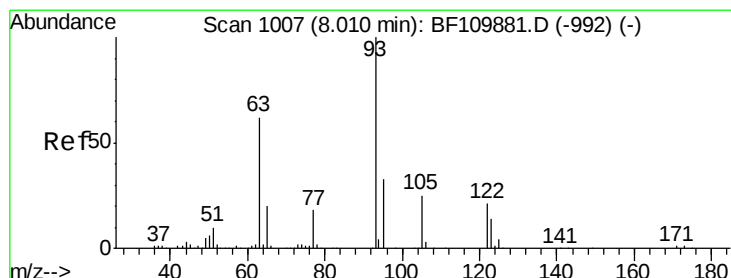
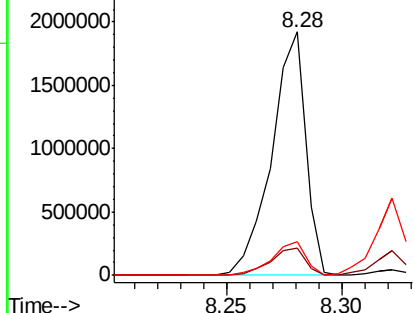
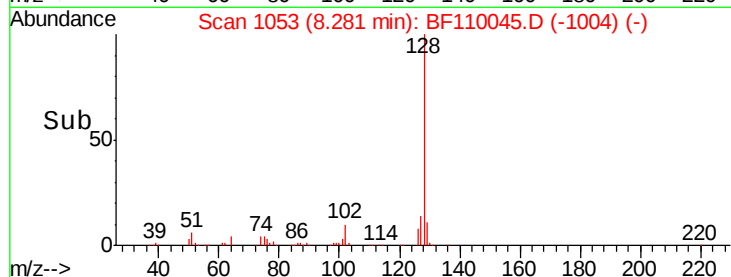
#31
Naphthalene
Concen: 42.474 ng
RT: 8.28 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 1964962
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 13.7 10.8 16.2

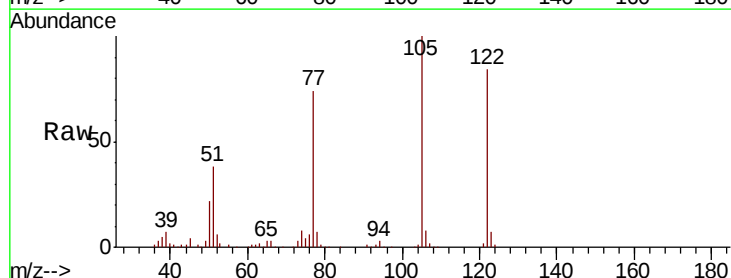


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

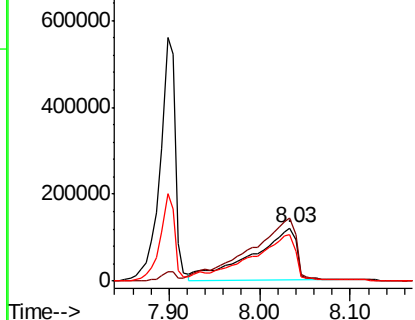
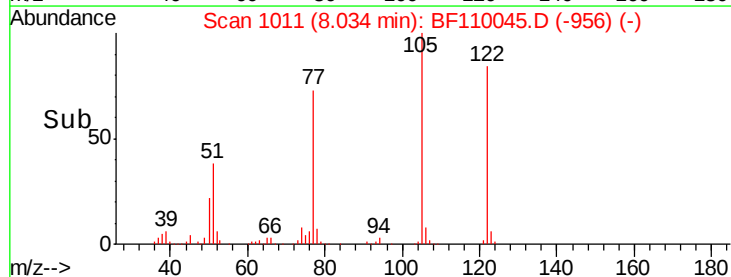


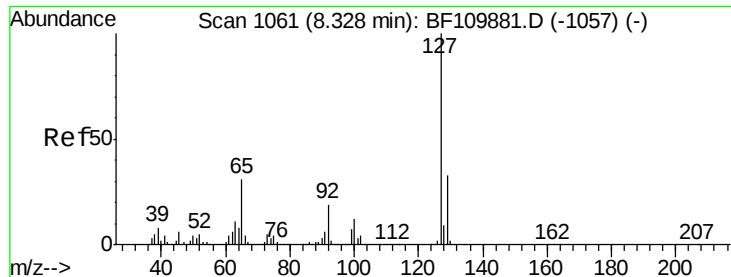
#32
Benzoic acid
Concen: 46.445 ng
RT: 8.03 min Scan# 1011
Delta R.T. 0.02 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Tgt Ion:122 Resp: 410169
Ion Ratio Lower Upper
122 100
105 118.9 109.0 149.0
77 88.4 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

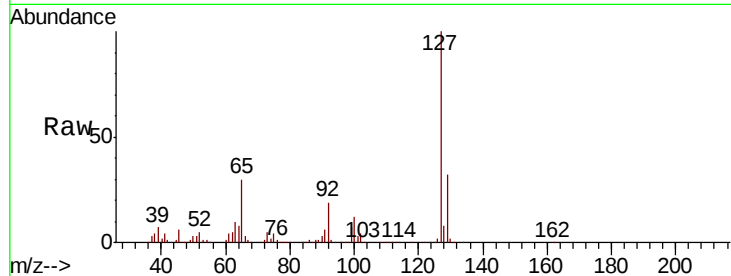




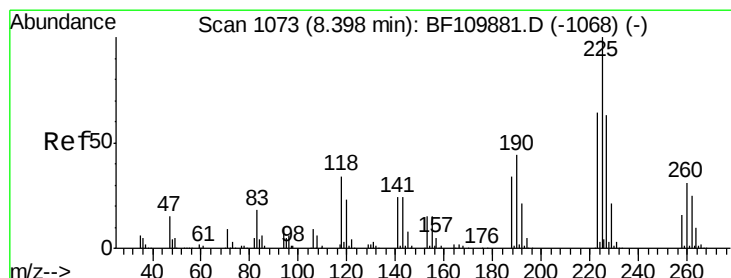
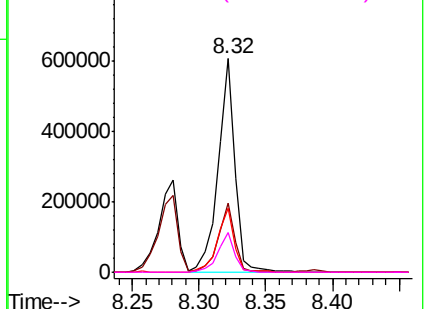
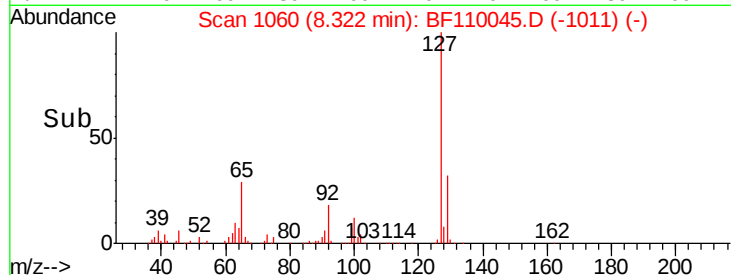
#33
4-Chloroaniline
Concen: 25.974 ng
RT: 8.32 min Scan# 1060
Delta R.T. -0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	127	Resp:	540162
Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.0	39.0
65	29.9	25.1	37.7
92	18.5	15.0	22.6

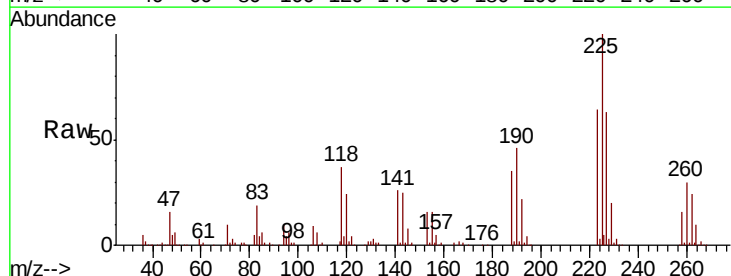


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

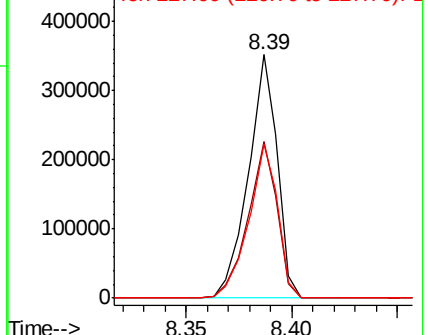
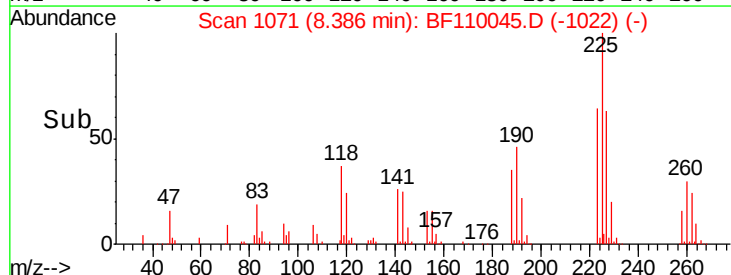


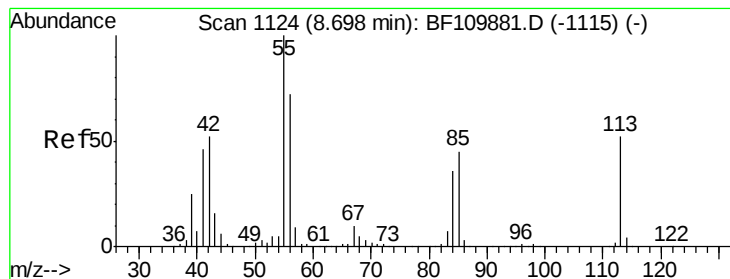
#34
Hexachlorobutadiene
Concen: 39.451 ng
RT: 8.39 min Scan# 1071
Delta R.T. -0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Tgt Ion:	225	Resp:	334921
Ion	Ratio	Lower	Upper
225	100		
223	64.4	51.4	77.2
227	63.2	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: 10.620 ng

RT: 8.76 min Scan# 1135

Delta R.T. 0.05 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

Instrument :

BNA_F

ClientSampleId :

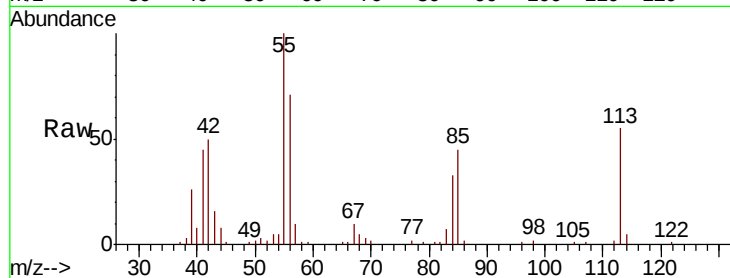
Tot Ion:113 Resp: 51862

Ion Ratio Lower Upper

113 100

55 182.1 142.8 182.8

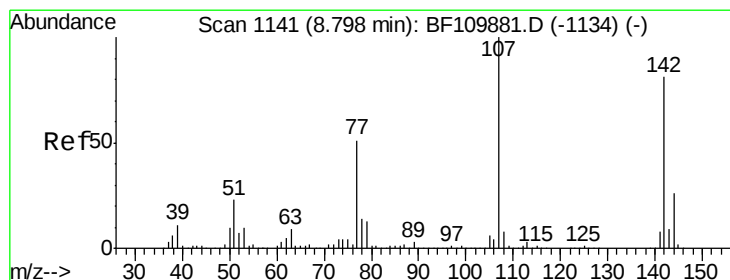
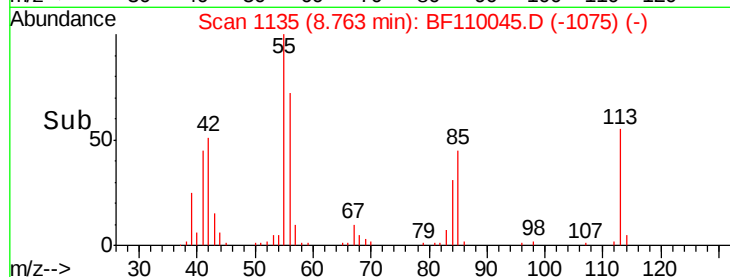
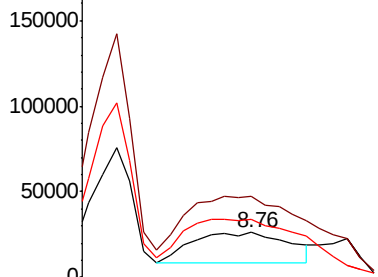
56 130.2 105.0 145.0



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 43.301 ng

RT: 8.80 min Scan# 1142

Delta R.T. -0.00 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

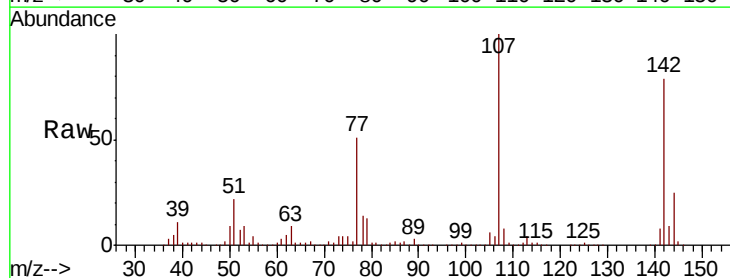
Tgt Ion:107 Resp: 628103

Ion Ratio Lower Upper

107 100

144 25.1 20.0 30.0

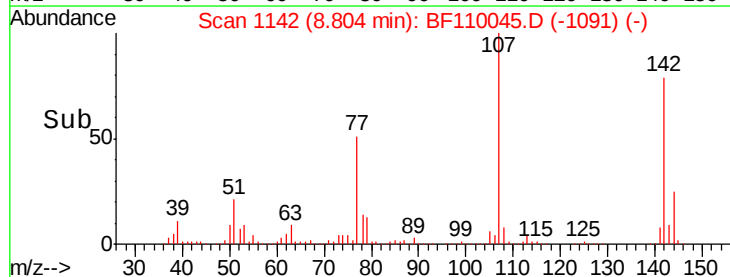
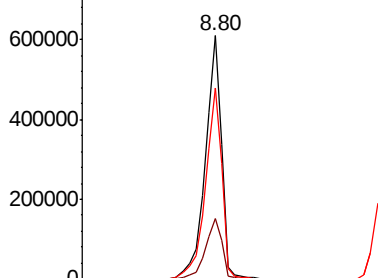
142 78.7 59.7 89.5

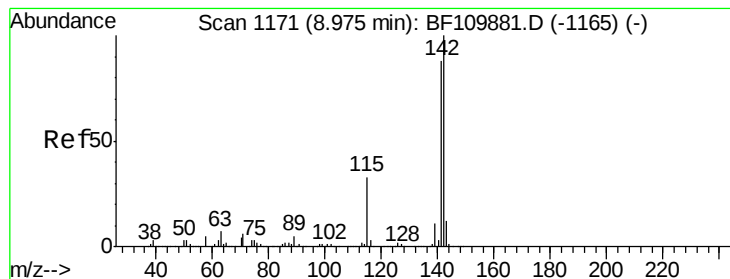


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 45.548 ng

RT: 8.97 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

Instrument :

BNA_F

ClientSampleId :

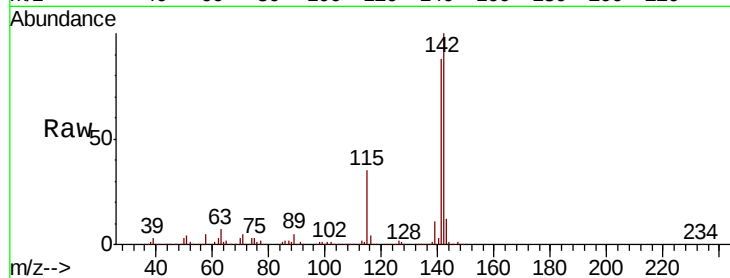
Tot Ion:142 Resp: 1364448

Ion Ratio Lower Upper

142 100

141 88.4 71.4 107.2

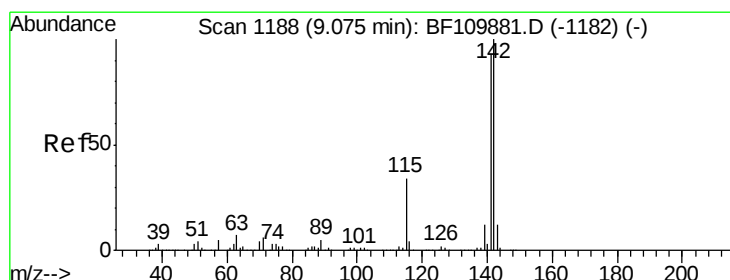
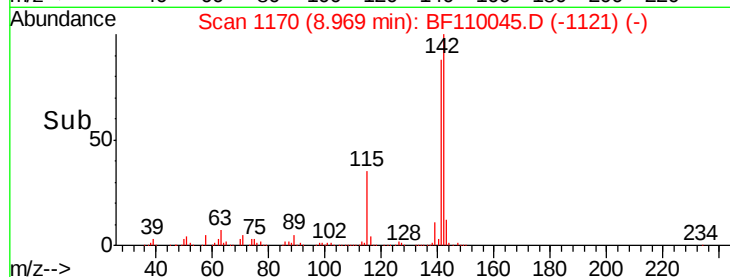
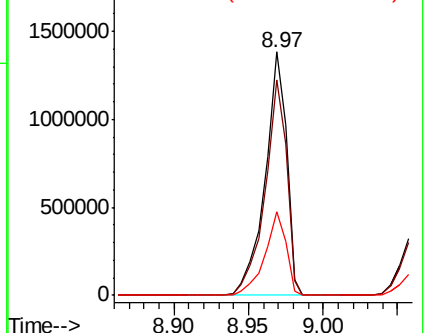
115 34.6 28.7 43.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 43.850 ng

RT: 9.07 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

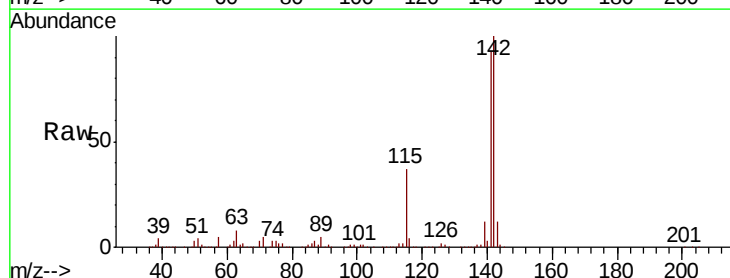
Tgt Ion:142 Resp: 1272875

Ion Ratio Lower Upper

142 100

141 92.7 74.2 111.4

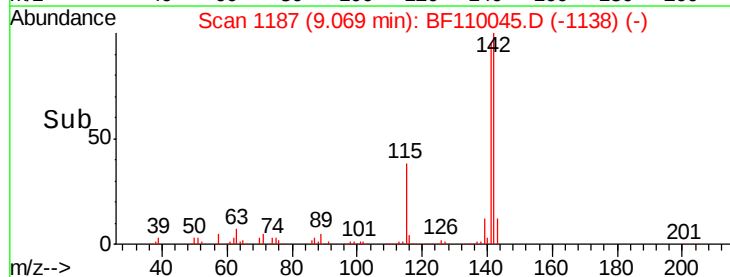
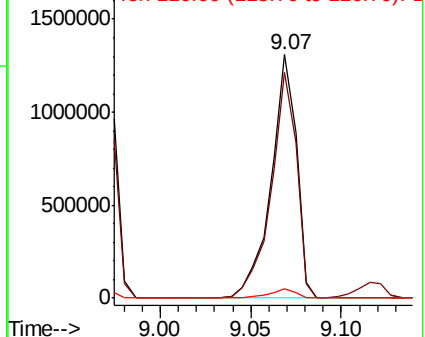
116 3.9 2.6 4.0

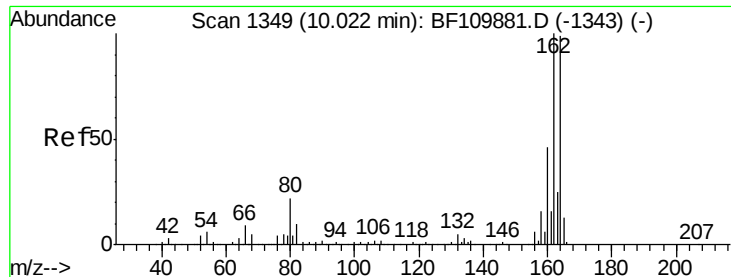


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

Instrument :

BNA_F

ClientSampleId :

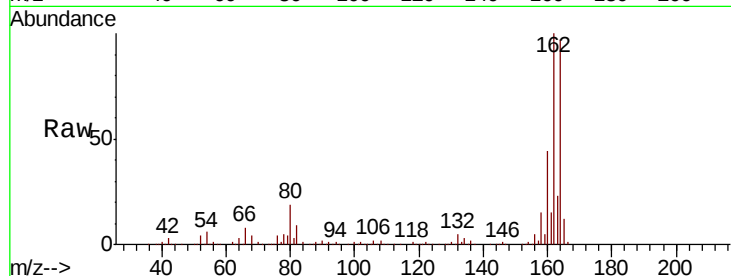
Tot Ion:164 Resp: 488745

Ion Ratio Lower Upper

164 100

162 102.8 83.0 124.6

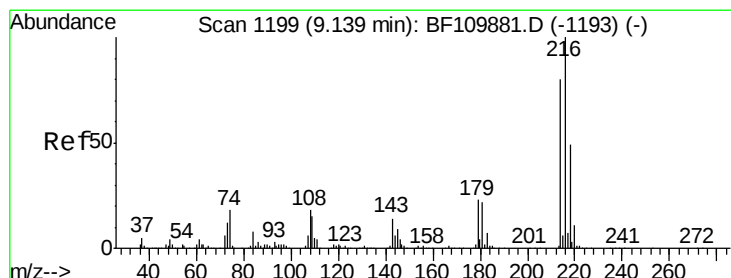
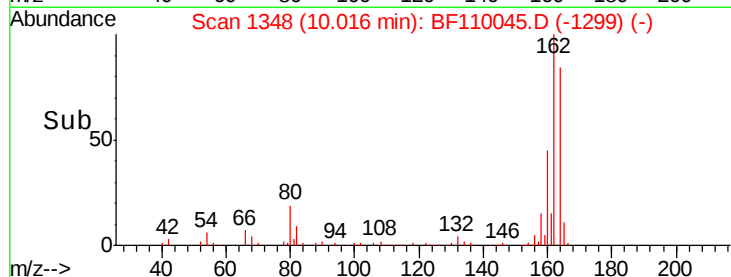
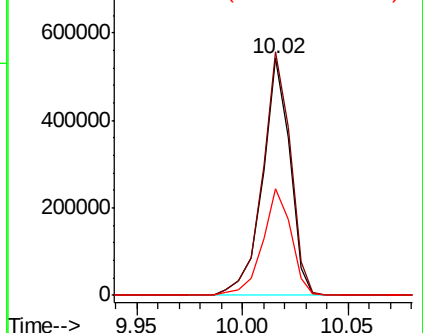
160 45.2 37.0 55.6



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: 37.881 ng

RT: 9.13 min Scan# 1198

Delta R.T. -0.01 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

Tgt Ion:216 Resp: 570256

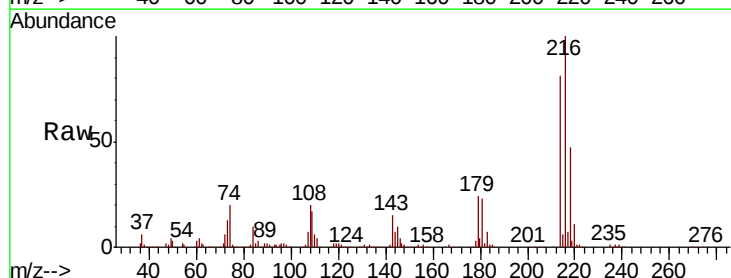
Ion Ratio Lower Upper

216 100

214 79.8 63.8 95.6

179 23.1 16.6 25.0

108 22.4 15.1 22.7

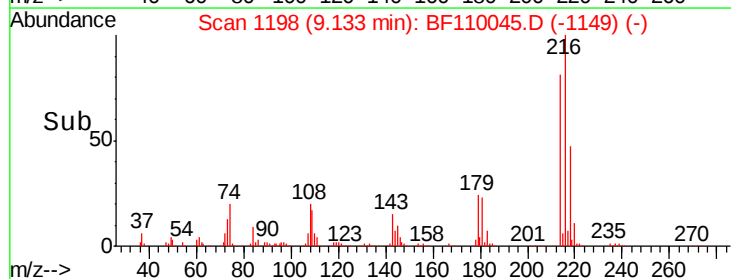
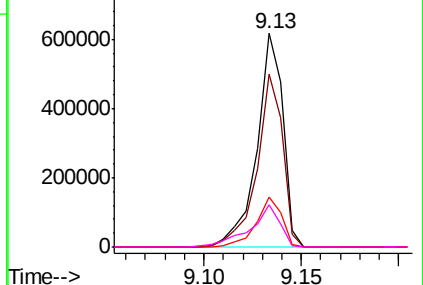


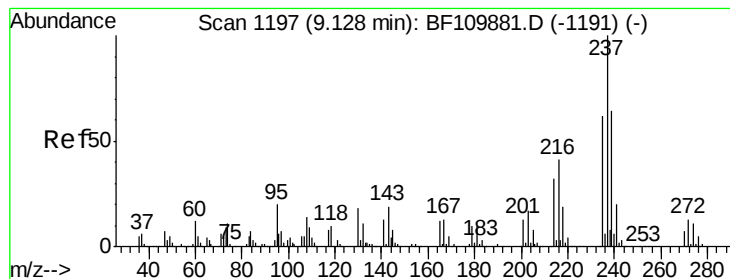
Abundance Ion 216.00 (215.70 to 216.70): E

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: 94.175 ng

RT: 9.12 min Scan# 1196

Delta R.T. -0.01 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

Instrument :

BNA_F

ClientSampleId :

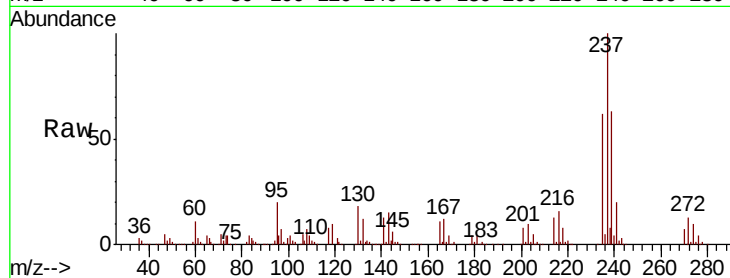
Tot Ion:237 Resp: 684261

Ion Ratio Lower Upper

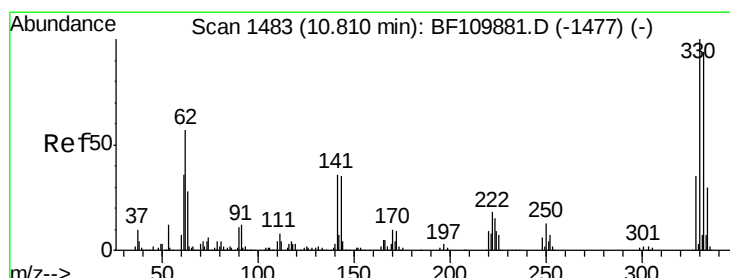
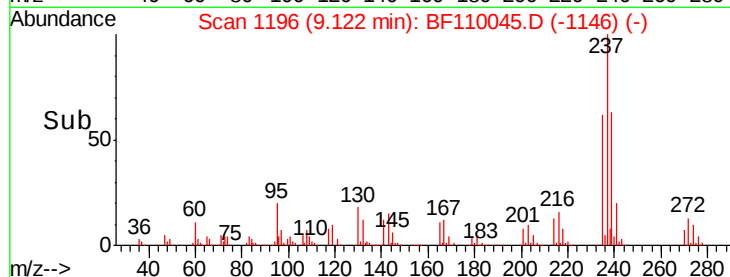
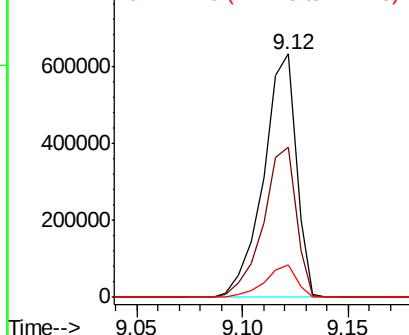
237 100

235 61.9 43.1 83.1

272 13.4 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: 130.548 ng

RT: 10.82 min Scan# 1484

Delta R.T. -0.00 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

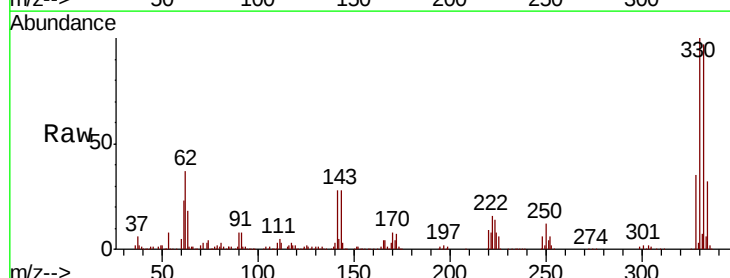
Tgt Ion:330 Resp: 552403

Ion Ratio Lower Upper

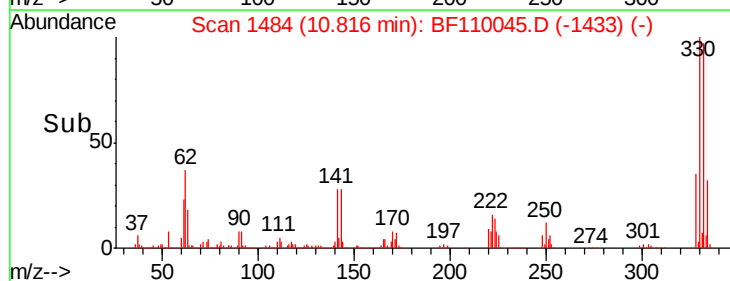
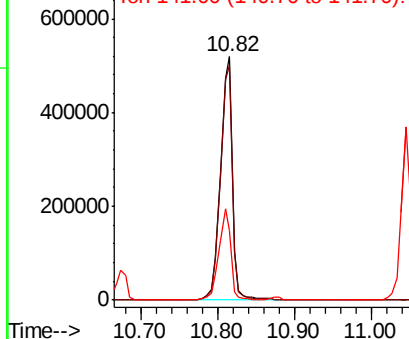
330 100

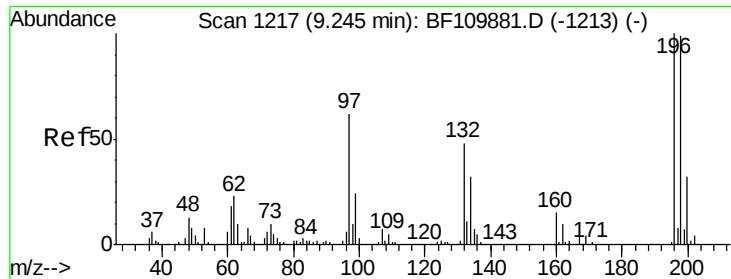
332 97.5 77.1 115.7

141 36.9 27.0 40.4



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

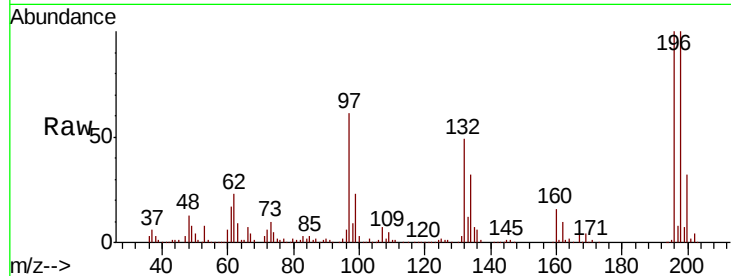




#43
 2,4,6-Trichlorophenol
 Concen: 42.487 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF110045.D
 Acq: 22 Oct 2018 13:22

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	196	Resp	399930
Ion Ratio	Lower	Upper	
196	100		
198	99.7	76.2	114.4
200	31.9	24.4	36.6

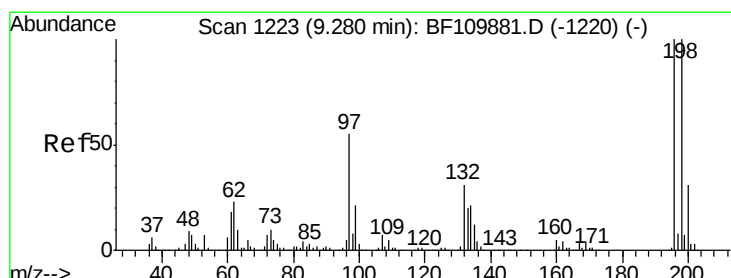
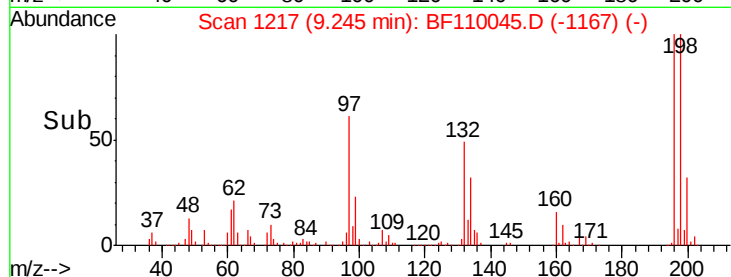
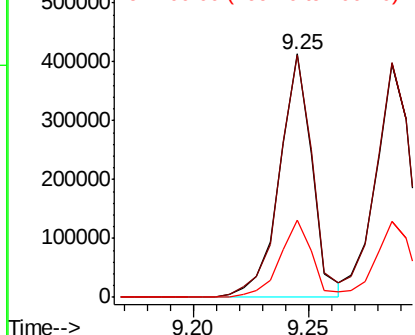


Abundance

Ion 196.00 (195.70 to 196.70): E

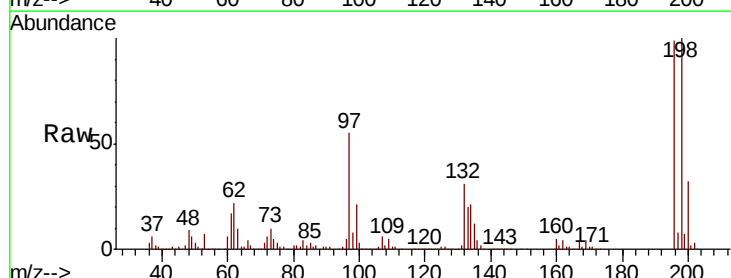
Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 43.265 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: BF110045.D
 Acq: 22 Oct 2018 13:22

Tgt Ion	196	Resp	422679
Ion Ratio	Lower	Upper	
196	100		
198	100.8	75.8	113.6
97	55.1	42.4	63.6
132	30.9	22.8	34.2



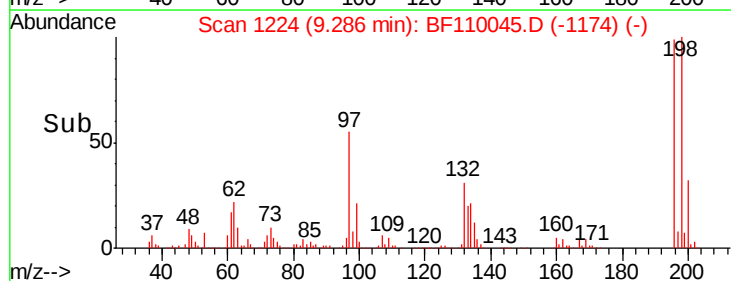
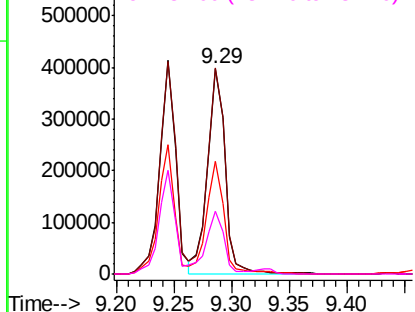
Abundance

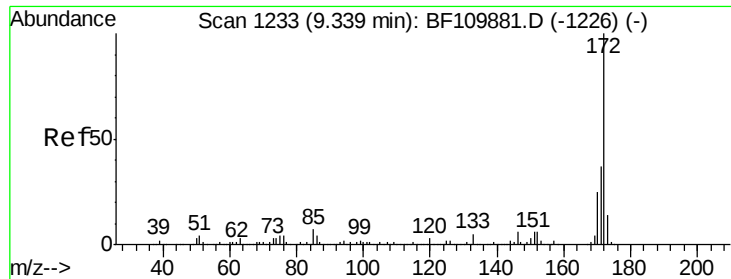
Ion 196.00 (195.70 to 196.70): E

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

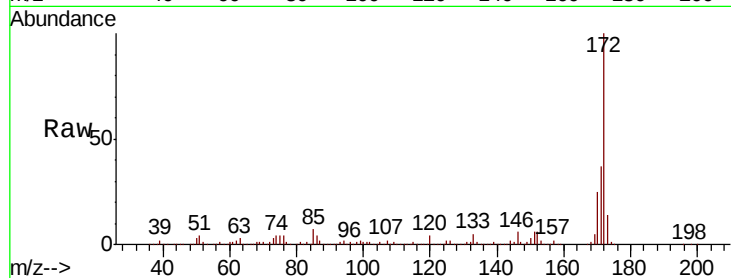




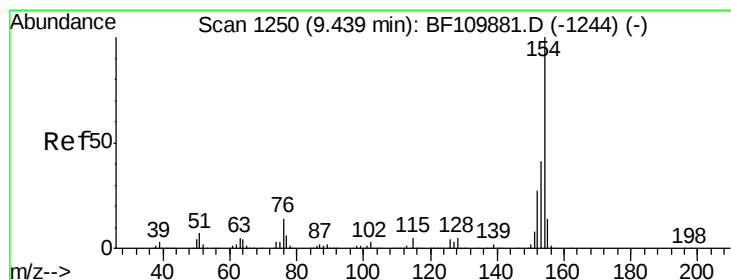
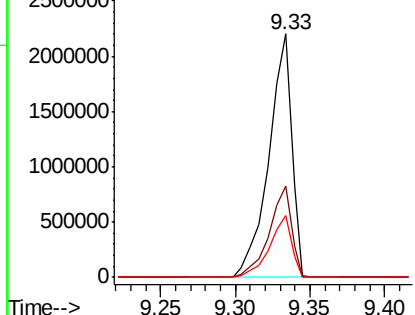
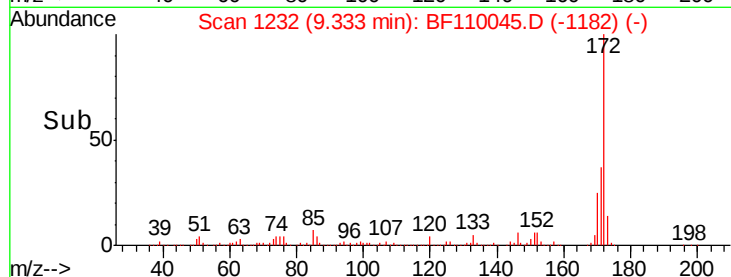
#45
 2-Fluorobiphenyl
 Concen: 76.329 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: BF110045.D
 Acq: 22 Oct 2018 13:22

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 2337929
 Ion Ratio Lower Upper
 172 100
 171 37.3 28.6 43.0
 170 25.3 19.7 29.5

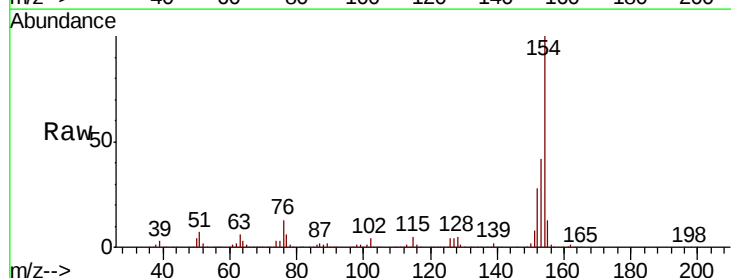


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

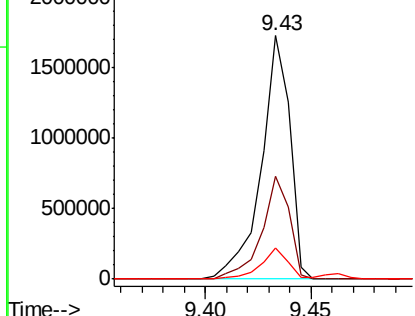
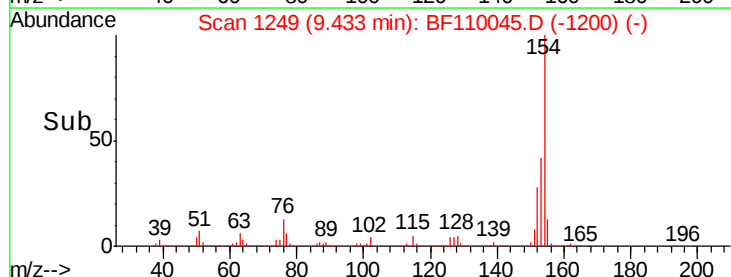


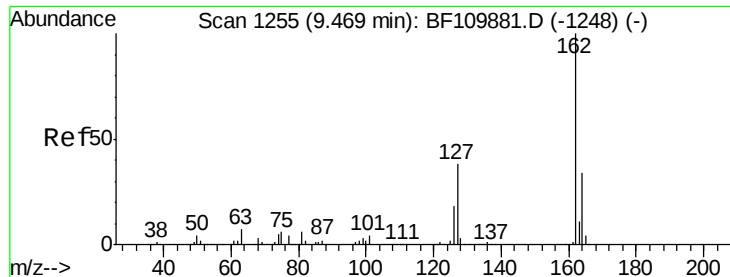
#46
 1,1'-Biphenyl
 Concen: 37.392 ng
 RT: 9.43 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: BF110045.D
 Acq: 22 Oct 2018 13:22

Tgt Ion:154 Resp: 1628254
 Ion Ratio Lower Upper
 154 100
 153 42.3 20.4 60.4
 76 12.8 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

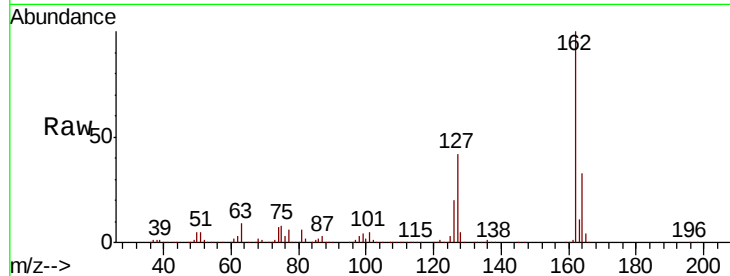




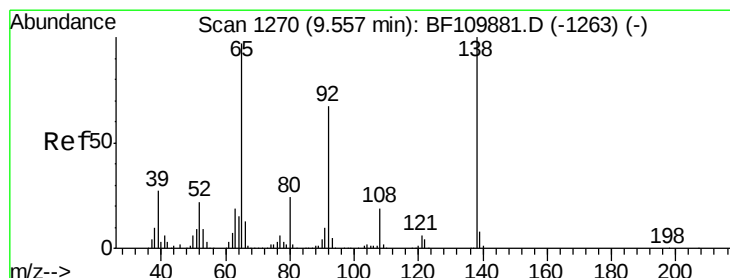
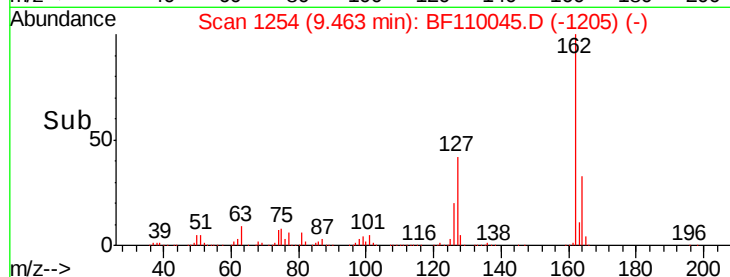
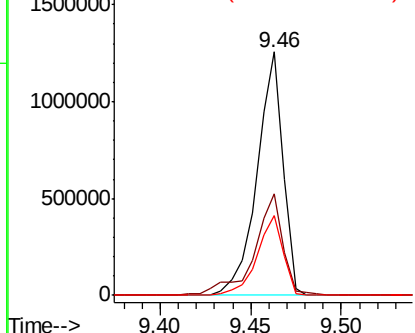
#47
 2-Chloronaphthalene
 Concen: 39.009 ng
 RT: 9.46 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: BF110045.D
 Acq: 22 Oct 2018 13:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:162 Resp: 1251237
 Ion Ratio Lower Upper
 162 100
 127 41.6 32.6 48.8
 164 32.6 25.9 38.9

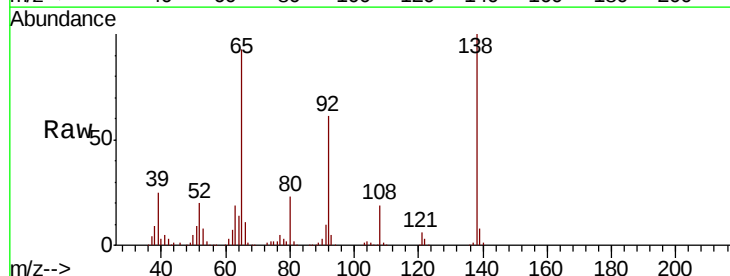


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

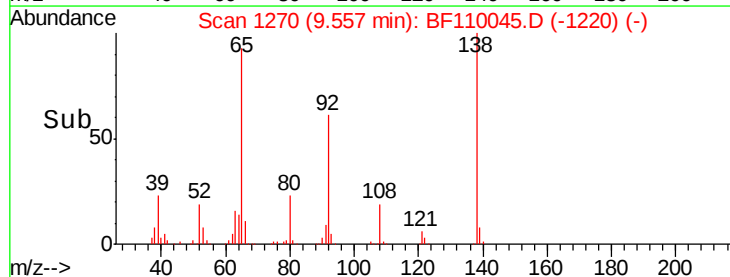
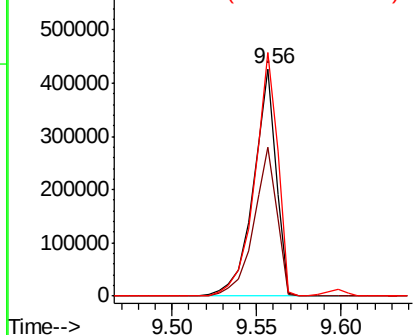


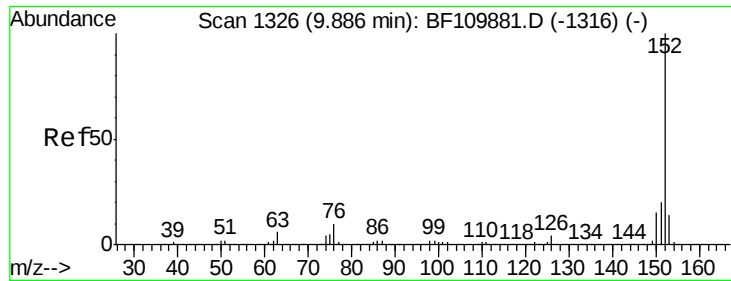
#48
 2-Nitroaniline
 Concen: 48.555 ng
 RT: 9.56 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: BF110045.D
 Acq: 22 Oct 2018 13:22

Tgt Ion: 65 Resp: 399677
 Ion Ratio Lower Upper
 65 100
 92 65.7 54.6 81.8
 138 107.1 80.3 120.5



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





#49

Acenaphthylene

Concen: 41.807 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

Instrument :

BNA_F

ClientSampled :

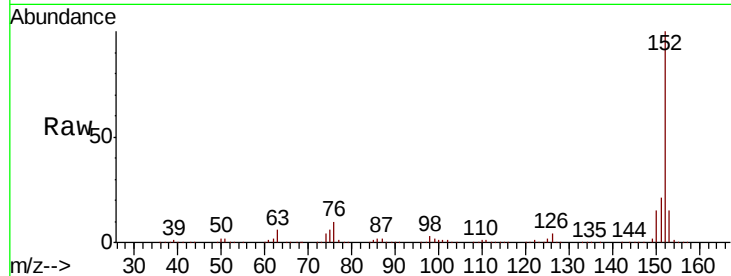
Tot Ion:152 Resp: 1948052

Ion Ratio Lower Upper

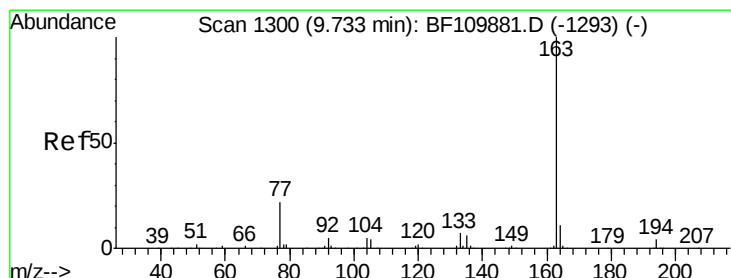
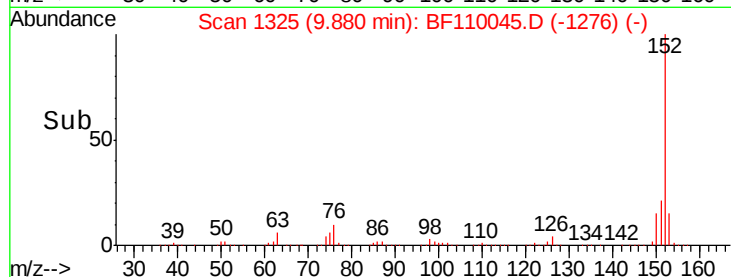
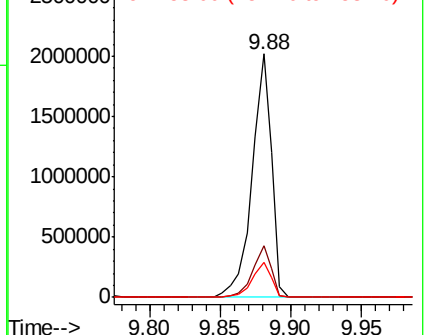
152 100

151 21.0 15.8 23.8

153 14.6 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: 41.430 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

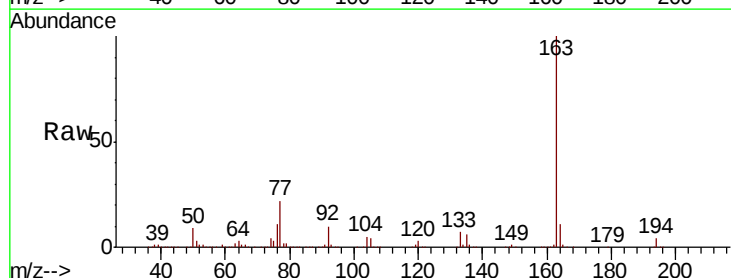
Tgt Ion:163 Resp: 1433806

Ion Ratio Lower Upper

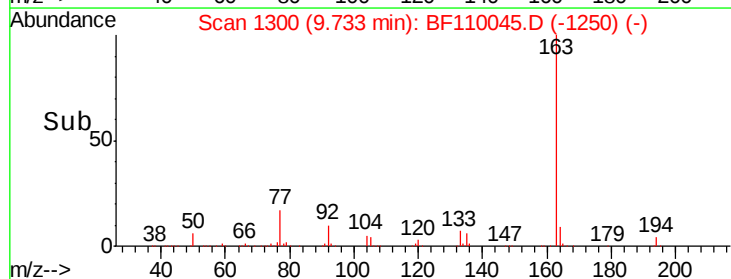
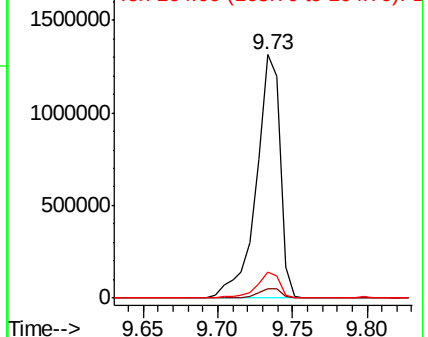
163 100

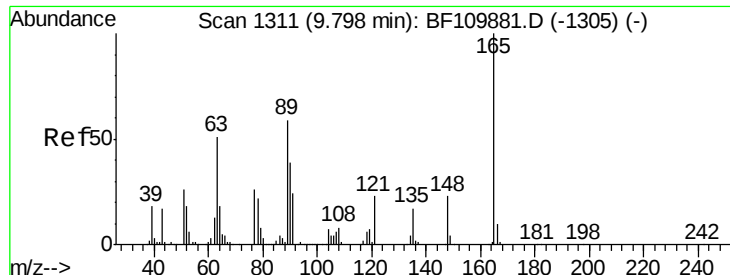
194 3.7 3.2 4.8

164 10.6 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

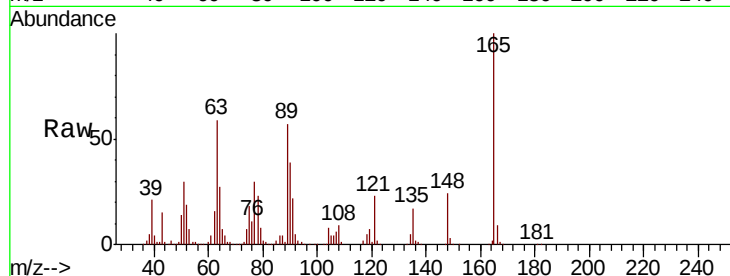




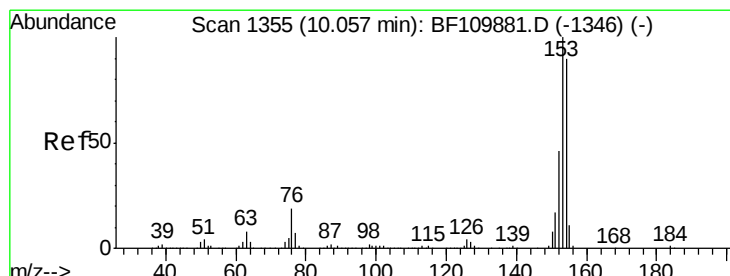
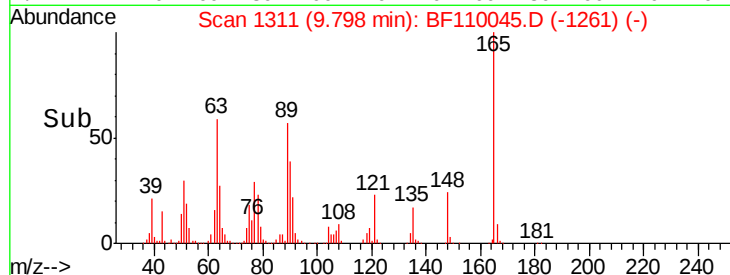
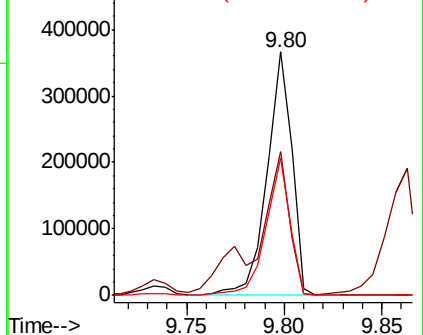
#51
2,6-Dinitrotoluene
Concen: 49.219 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	58.8	48.9	73.3
89	56.5	46.6	69.8

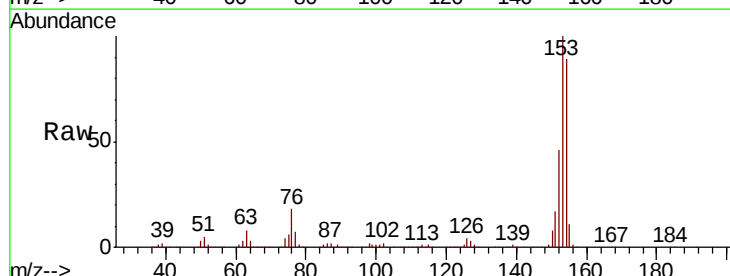


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

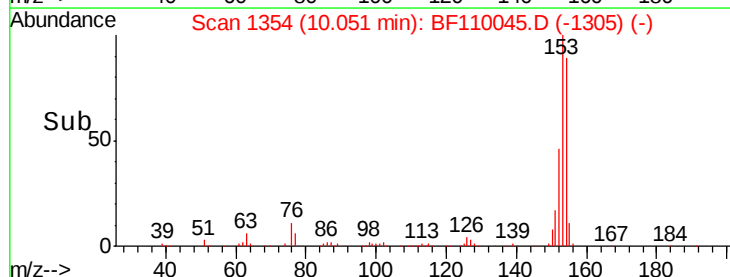
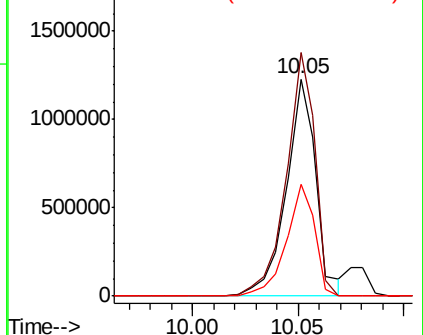


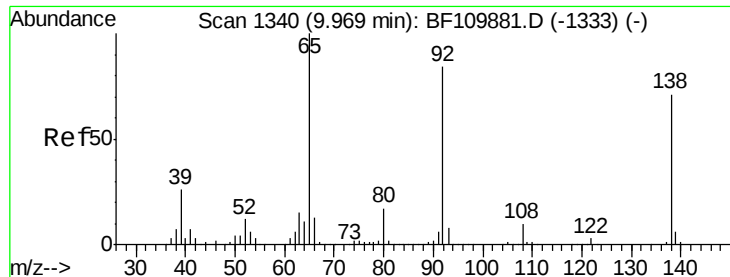
#52
Acenaphthene
Concen: 40.687 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.4	90.1	135.1
152	51.7	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

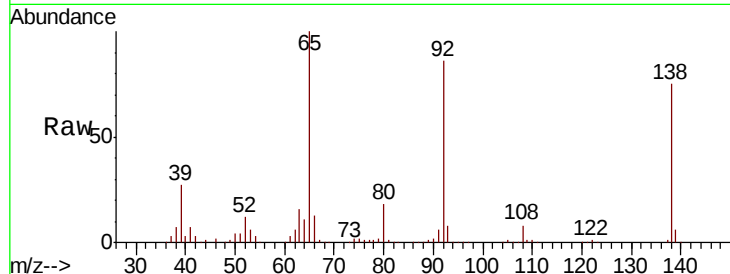




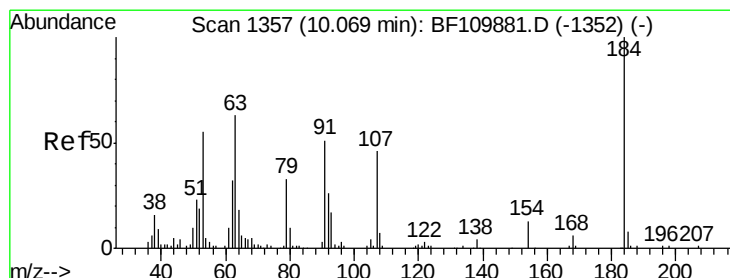
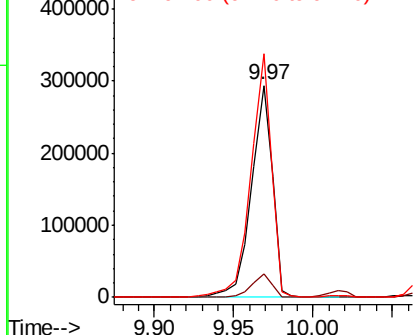
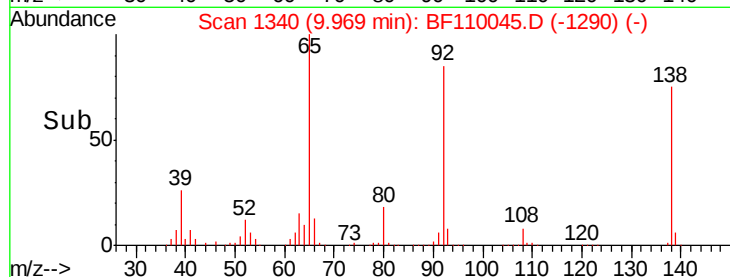
#53
3-Nitroaniline
Concen: 33.714 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:138 Resp: 269572
Ion Ratio Lower Upper
138 100
108 11.2 8.7 13.1
92 115.1 97.0 145.4

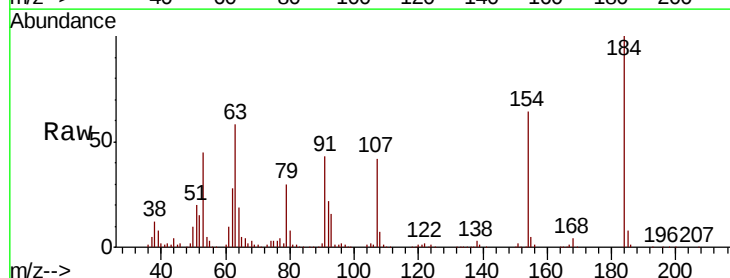


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

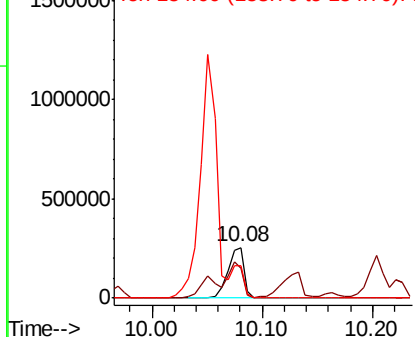
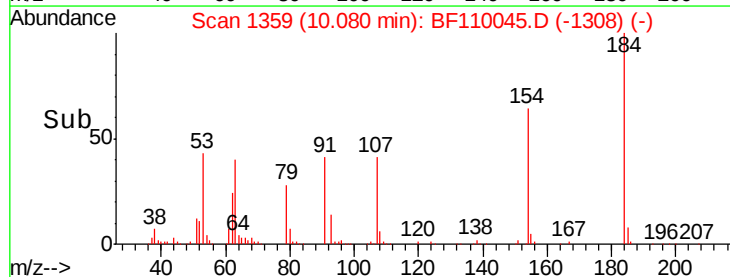


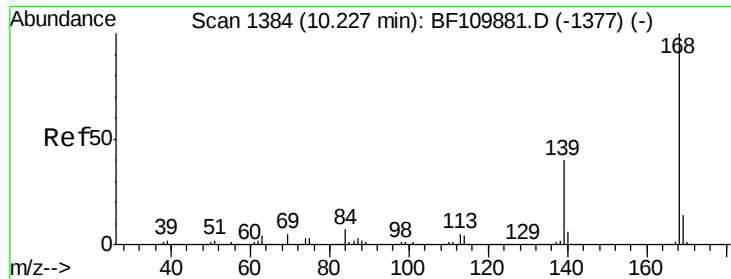
#54
2,4-Dinitrophenol
Concen: 121.979 ng
RT: 10.08 min Scan# 1359
Delta R.T. -0.00 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Tgt Ion:184 Resp: 266437
Ion Ratio Lower Upper
184 100
63 58.0 55.8 83.6
154 63.9 63.2 94.8



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

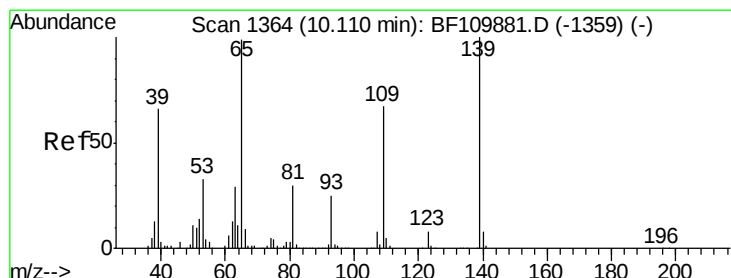
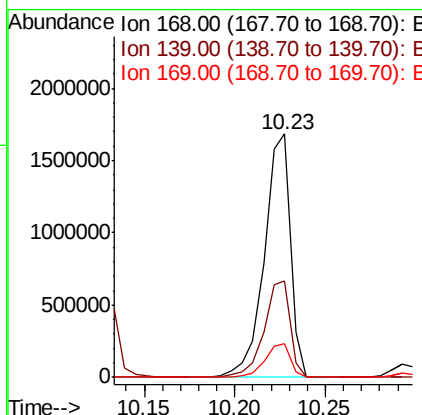
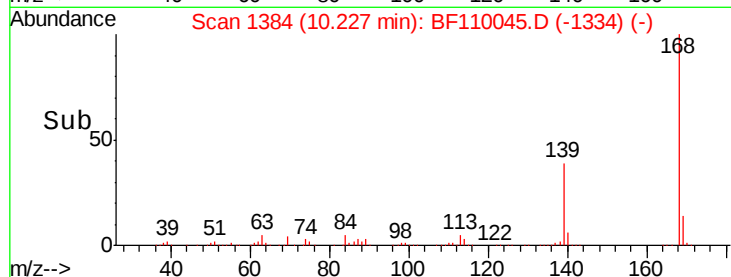
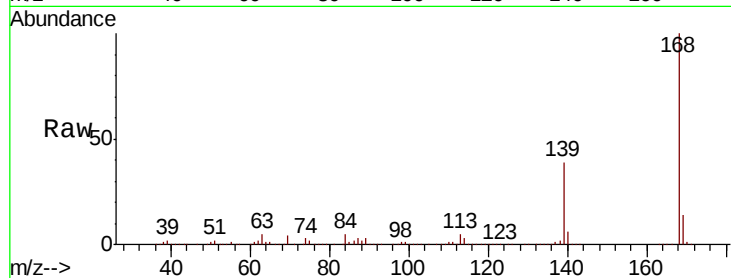




#55
Dibenzenofuran
Concen: 39.889 ng
RT: 10.23 min Scan# 1384
Delta R.T. -0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

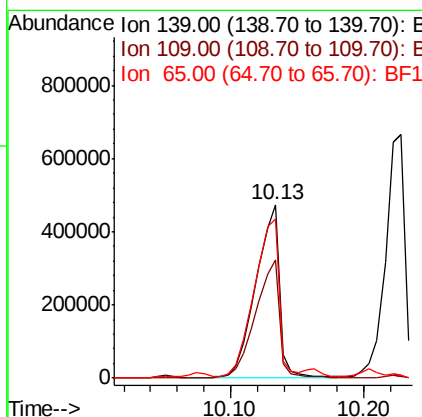
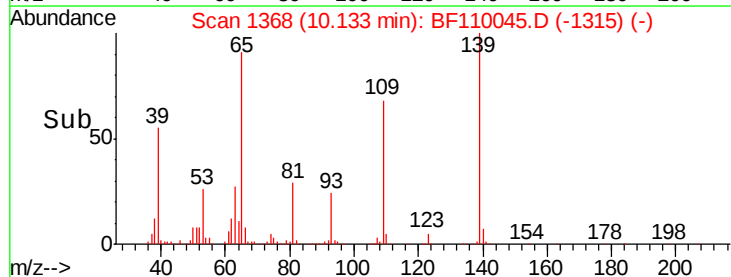
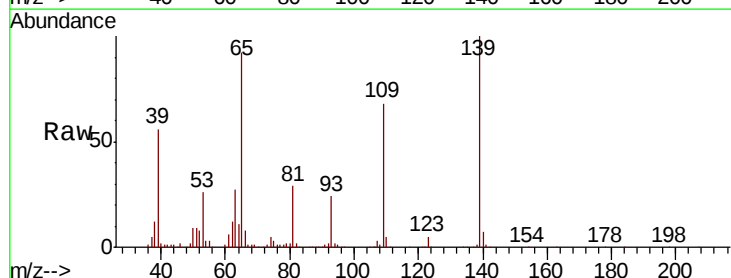
Instrument :
BNA_F
ClientSampled :

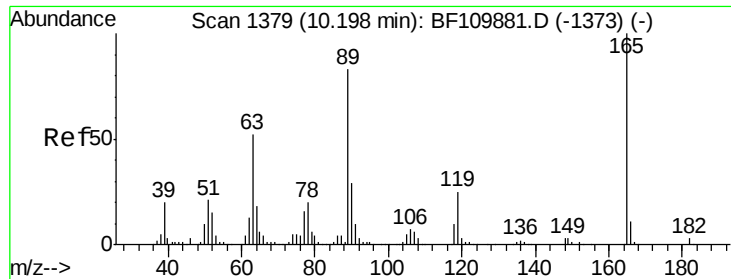
Tot Ion:168 Resp: 1687605
Ion Ratio Lower Upper
168 100
139 39.5 33.0 49.6
169 13.8 11.3 16.9



#56
4-Nitrophenol
Concen: 94.623 ng
RT: 10.13 min Scan# 1368
Delta R.T. 0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Tgt Ion:139 Resp: 577299
Ion Ratio Lower Upper
139 100
109 68.4 55.8 95.8
65 91.5 77.9 117.9

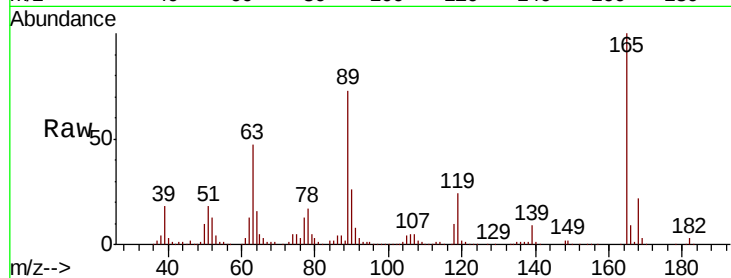




#57
2,4-Dinitrotoluene
Concen: 51.942 ng
RT: 10.20 min Scan# 1380
Delta R.T. -0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	47.5	44.8	67.2
89	72.7	62.2	93.4
182	2.6	2.1	3.1



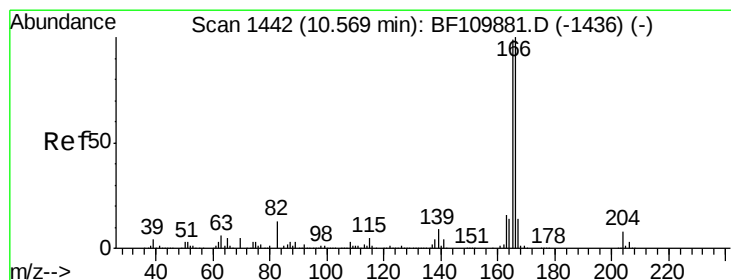
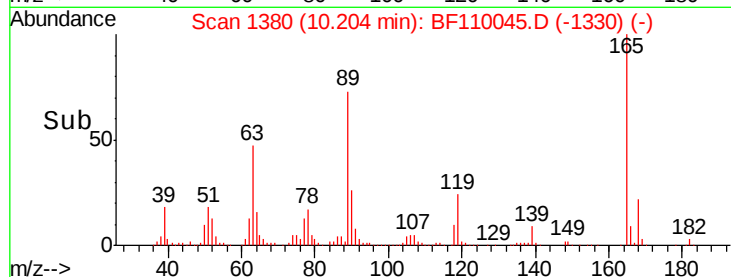
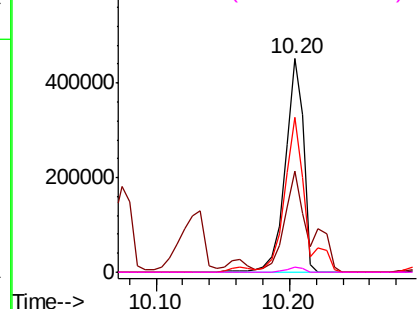
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

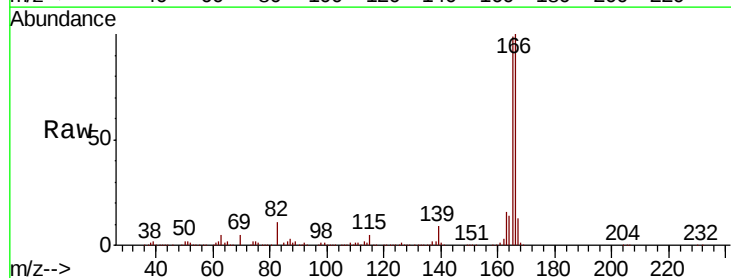
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 42.965 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.6	117.8
167	13.4	10.8	16.2

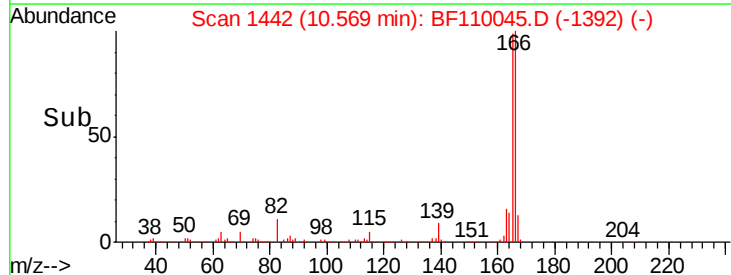
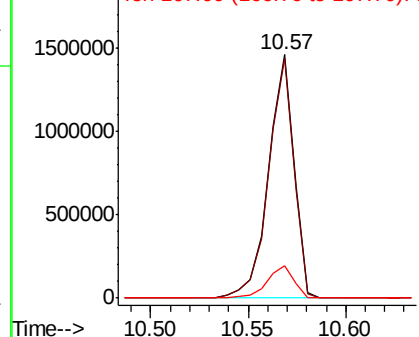


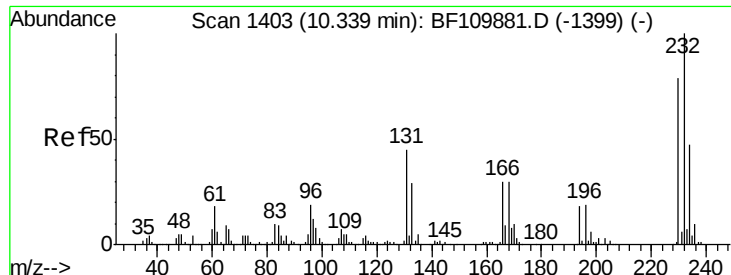
Abundance

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

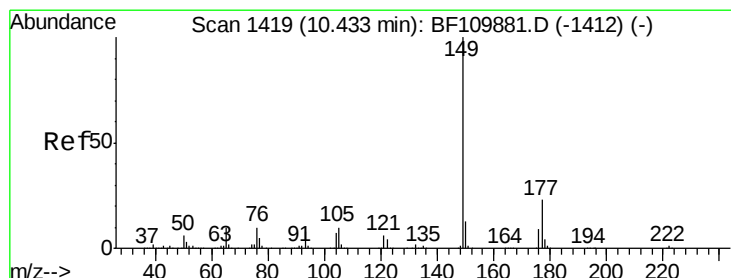
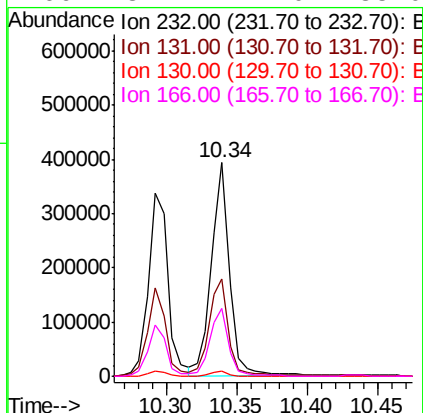
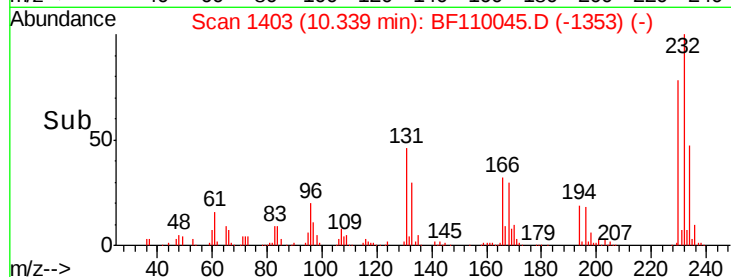
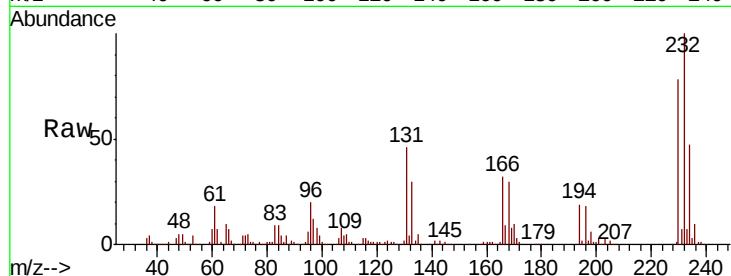




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 45.830 ng
 RT: 10.34 min Scan# 1403
 Delta R.T. -0.01 min
 Lab File: BF110045.D
 Acq: 22 Oct 2018 13:22

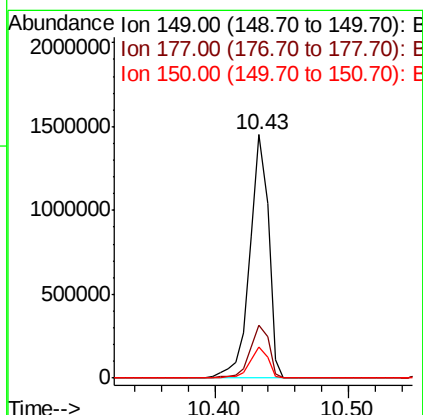
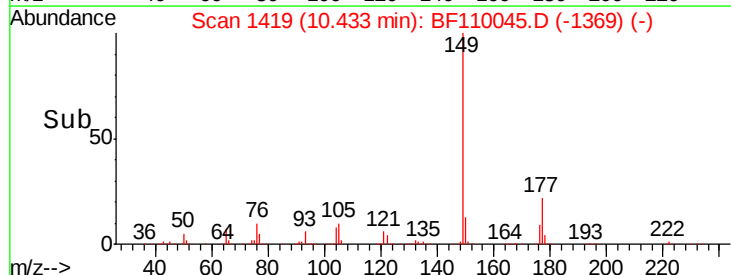
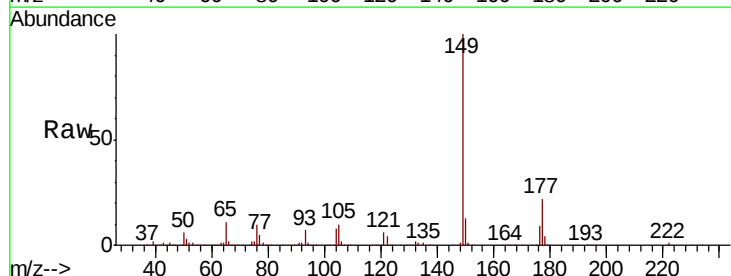
Instrument :
 BNA_F
 ClientSampleId :

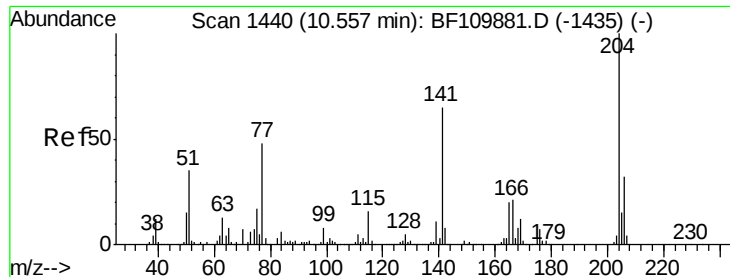
Tot Ion	Ratio	Lower	Upper
232	100		
131	47.3	37.0	55.4
130	2.3	1.8	2.6
166	32.2	22.0	33.0



#60
 Diethylphthalate
 Concen: 40.328 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: BF110045.D
 Acq: 22 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.4	26.2
150	12.7	9.8	14.8

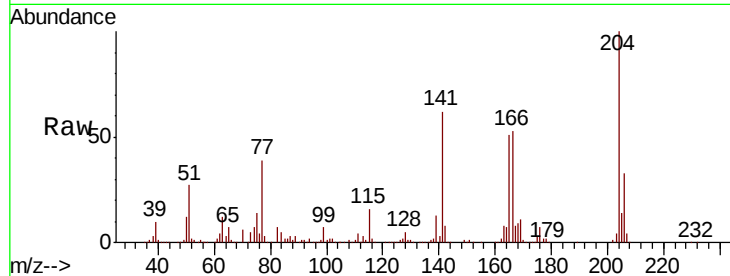




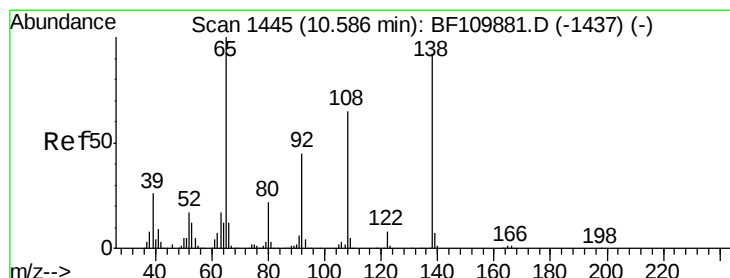
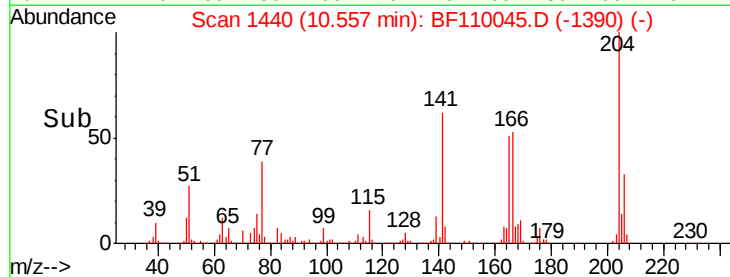
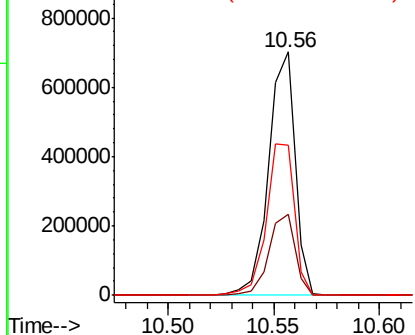
#61
4-Chlorophenyl-phenylether
Concen: 38.361 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:204 Resp: 615422
Ion Ratio Lower Upper
204 100
206 33.3 26.5 39.7
141 61.5 51.8 77.8

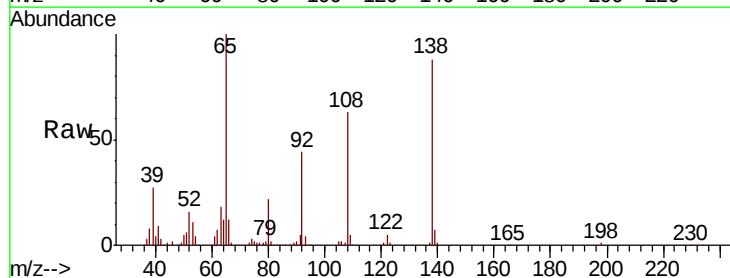


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

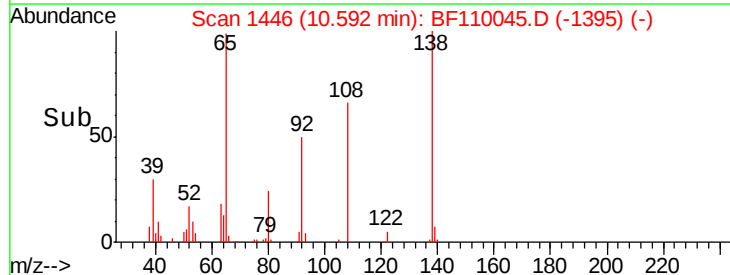
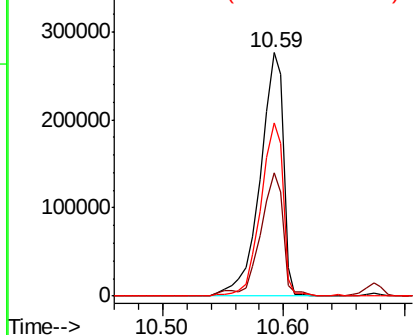


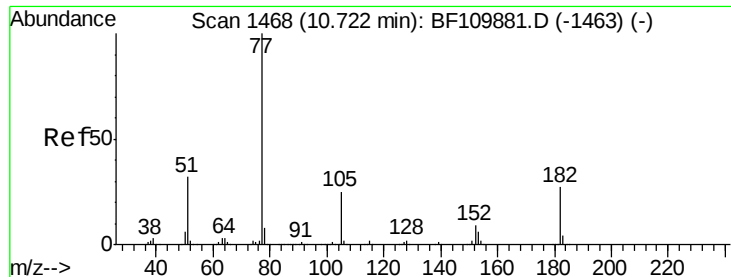
#62
4-Nitroaniline
Concen: 49.030 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Tgt Ion:138 Resp: 371106
Ion Ratio Lower Upper
138 100
92 50.6 31.7 71.7
108 71.3 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: 38.634 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

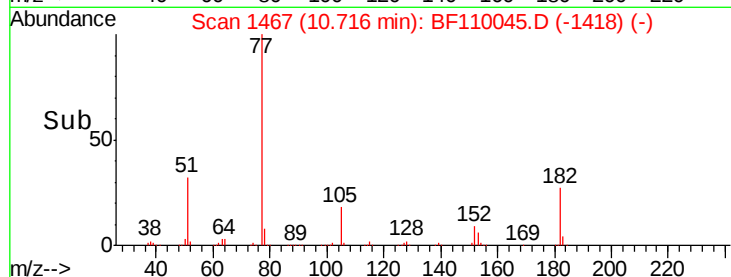
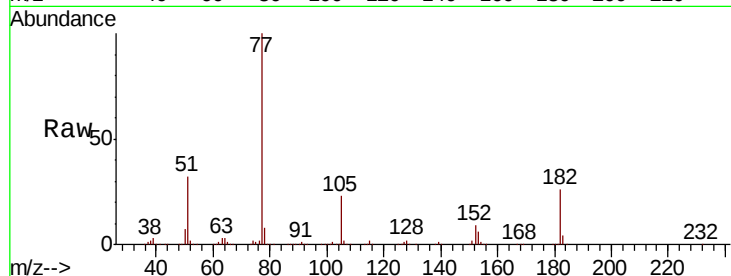
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 1379554

Ion	Ratio	Lower	Upper
77	100		
182	26.1	4.3	44.3
105	23.1	1.3	41.3
51	32.5	9.0	49.0

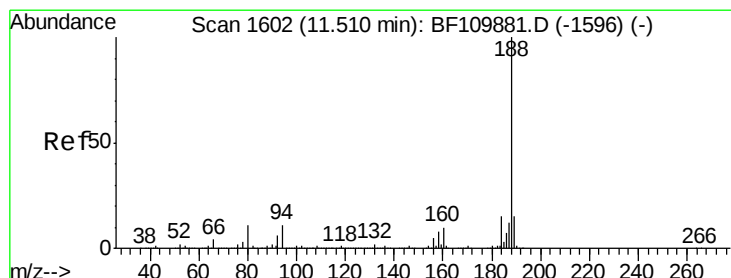


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1602

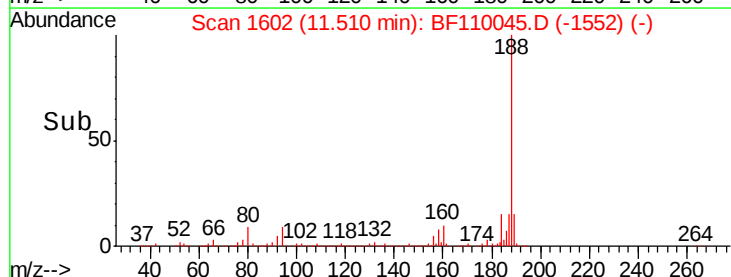
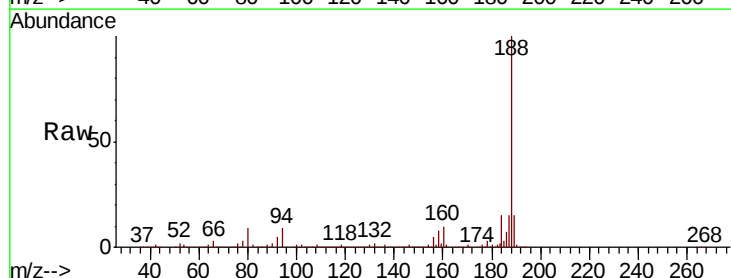
Delta R.T. -0.01 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

Tgt Ion: 188 Resp: 913672

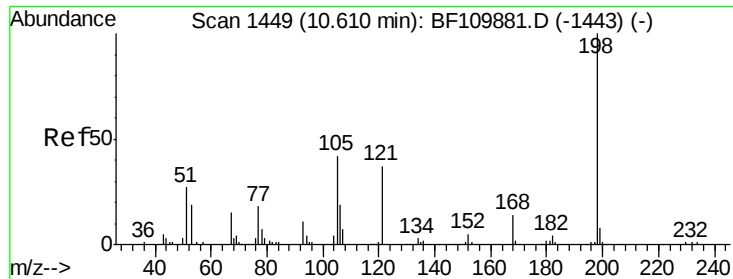
Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.2	10.8
80	9.2	7.9	11.9



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

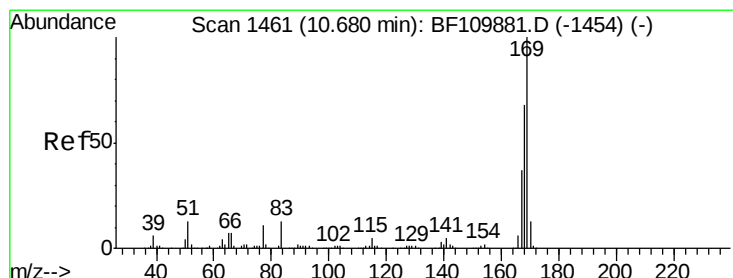
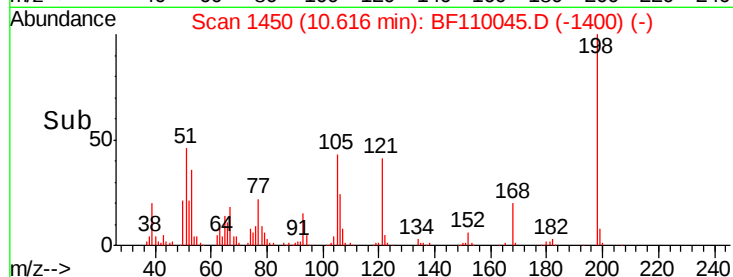
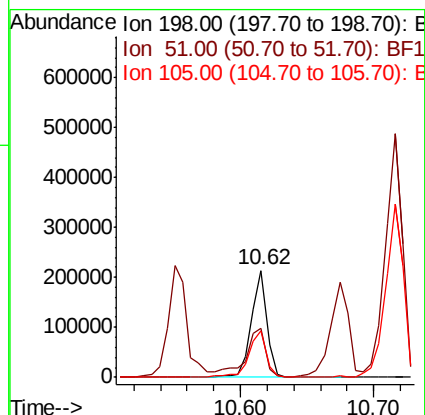
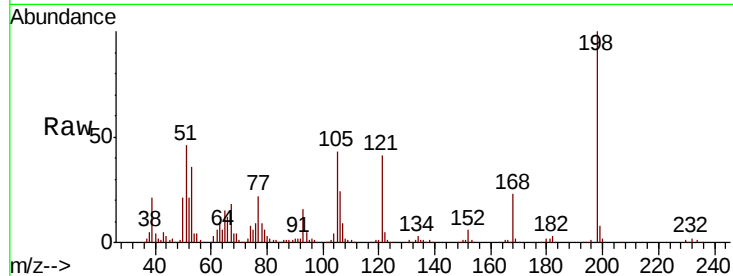
Ion 80.00 (79.70 to 80.70): BF1



#65
4,6-Dinitro-2-methylphenol
Concen: 50.885 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

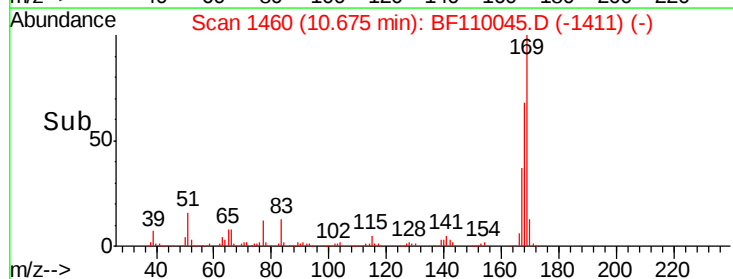
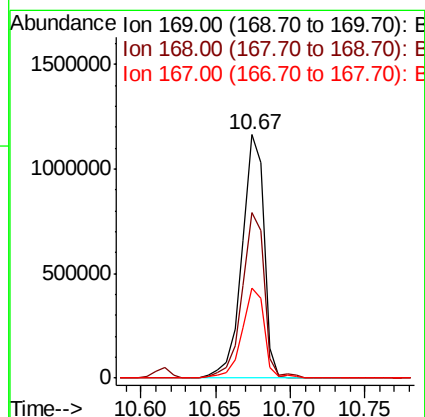
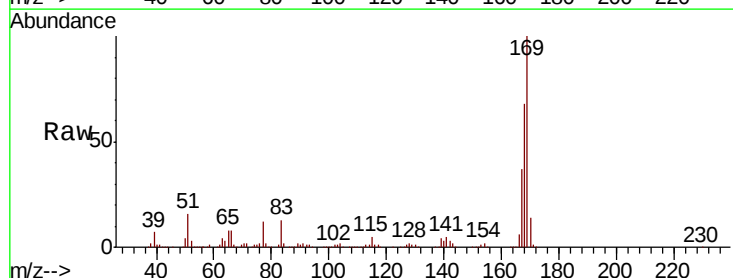
Instrument :
BNA_F
ClientSampled :

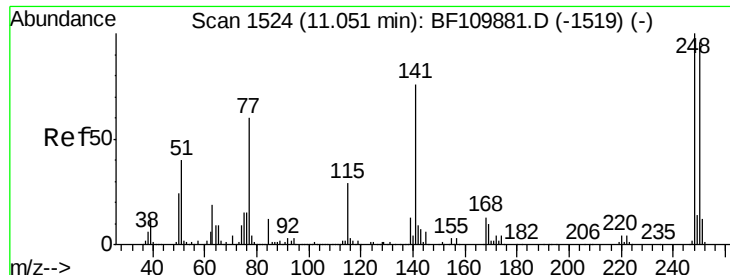
Tot Ion:198 Resp: 170315
Ion Ratio Lower Upper
198 100
51 45.6 22.8 62.8
105 43.3 23.6 63.6



#66
n-Nitrosodiphenylamine
Concen: 39.082 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Tgt Ion:169 Resp: 1189283
Ion Ratio Lower Upper
169 100
168 67.7 51.2 76.8
167 37.1 27.8 41.6

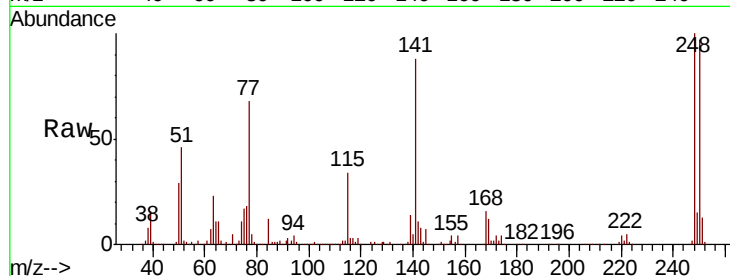




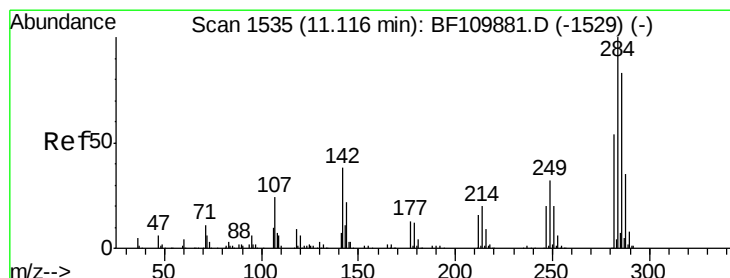
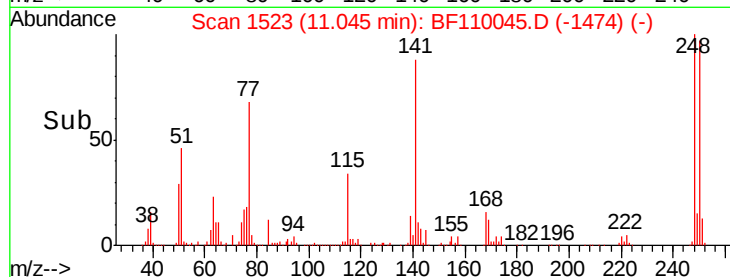
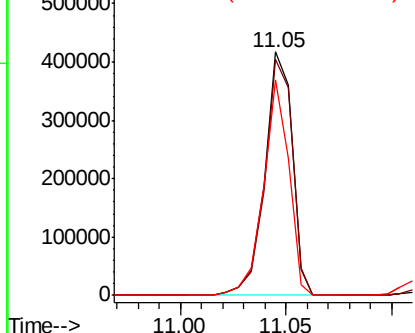
#67
4-Bromophenyl-phenylether
Concen: 38.251 ng
RT: 11.05 min Scan# 1523
Delta R.T. -0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 378756
Ion Ratio Lower Upper
248 100
250 96.9 79.4 119.2
141 88.5 55.9 83.9#

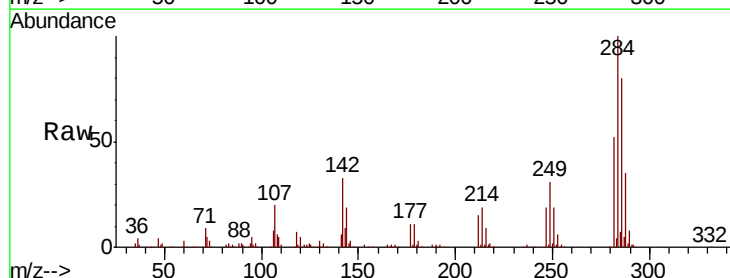


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

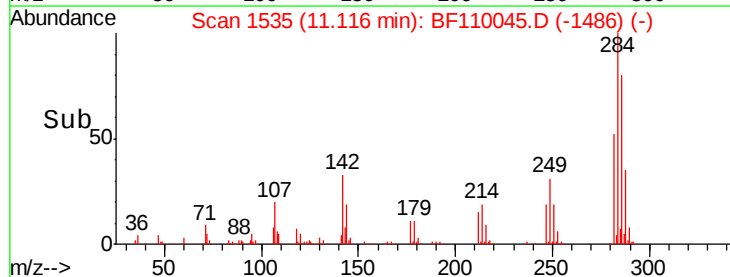
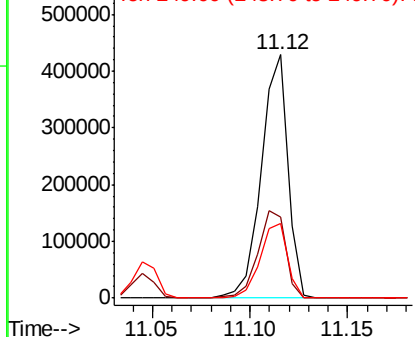


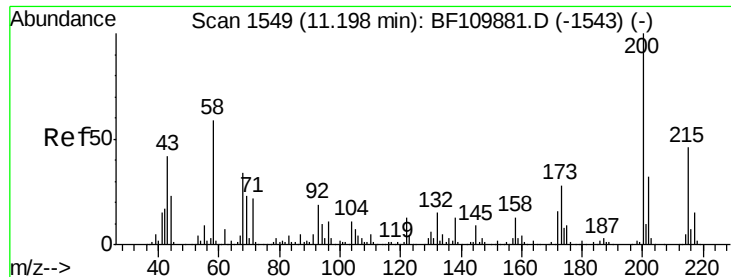
#68
Hexachlorobenzene
Concen: 38.330 ng
RT: 11.12 min Scan# 1535
Delta R.T. -0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Tgt Ion:284 Resp: 404730
Ion Ratio Lower Upper
284 100
142 33.1 23.9 35.9
249 30.9 24.2 36.2



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

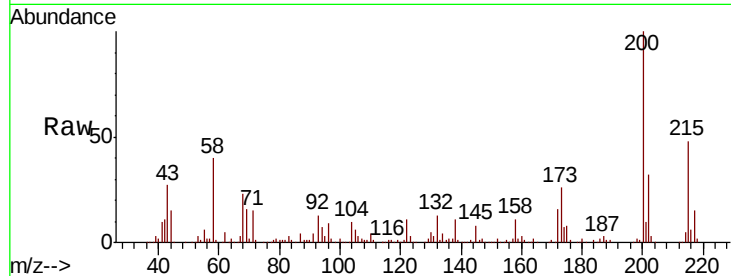




#69
Atrazine
Concen: 42.466 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.00 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
200	100		
173	25.5	6.6	46.6
215	47.7	26.3	66.3

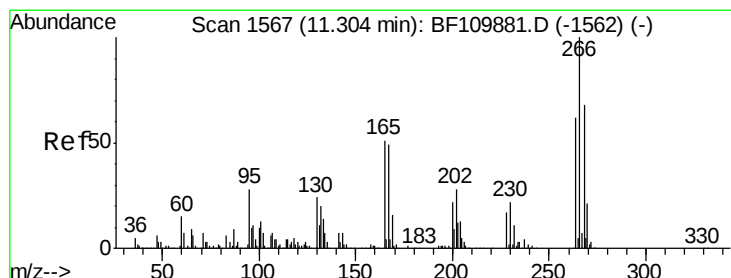
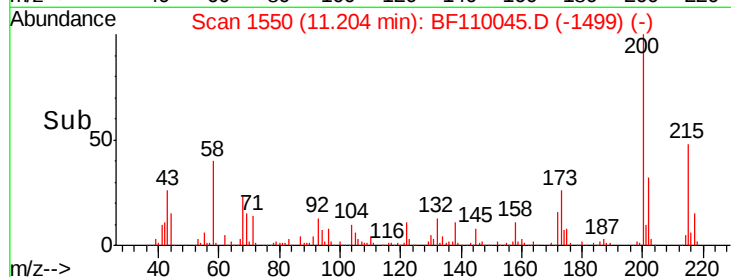
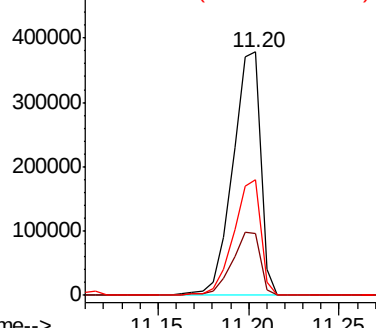


Abundance

Ion 200.00 (199.70 to 200.70): E

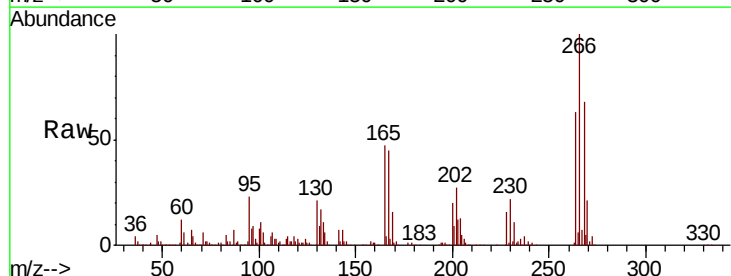
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 72.501 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Tgt Ion	Ratio	Lower	Upper
266	100		
268	68.4	50.6	75.8
264	62.6	50.6	75.8

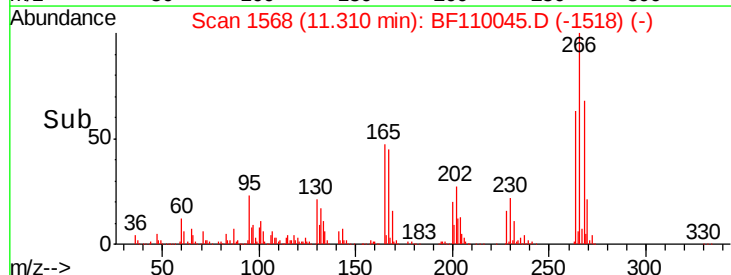
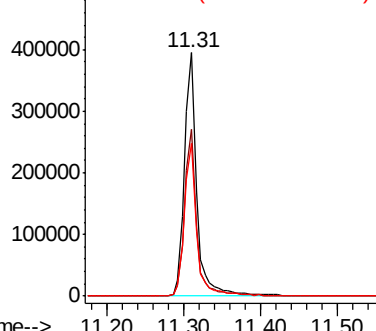


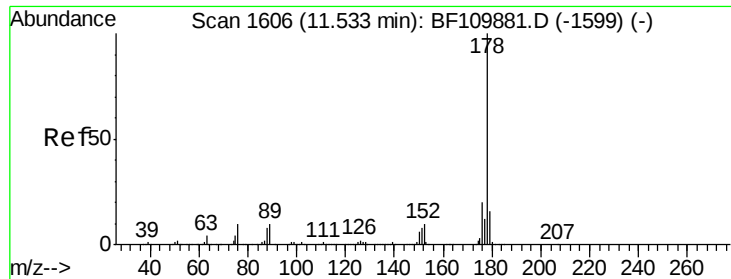
Abundance

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

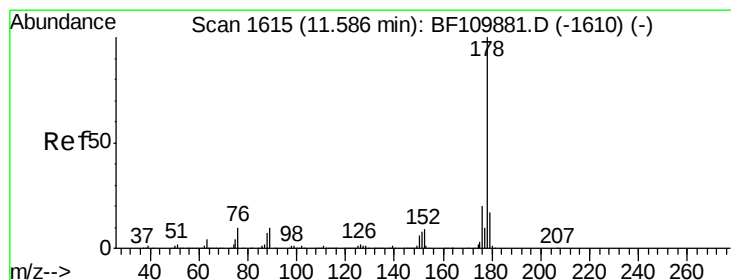
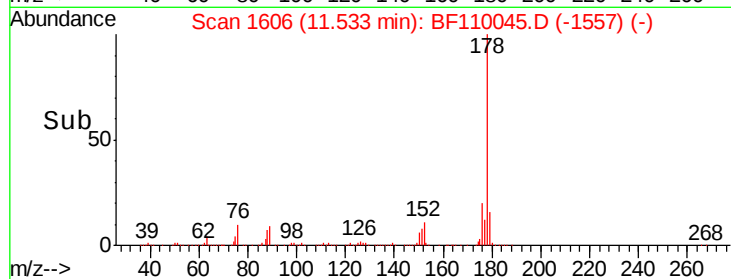
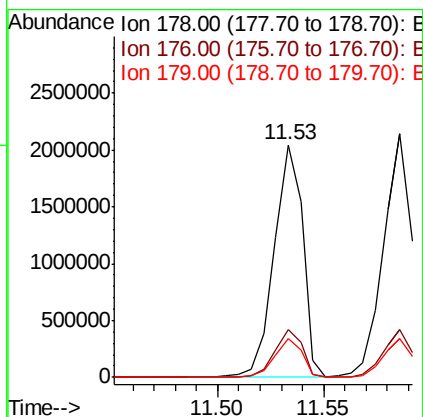
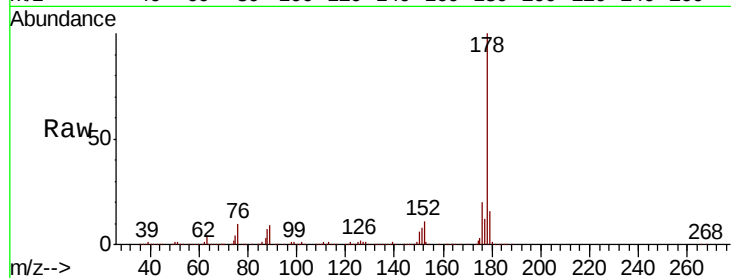




#71
Phenanthrene
Concen: 40.954 ng
RT: 11.53 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

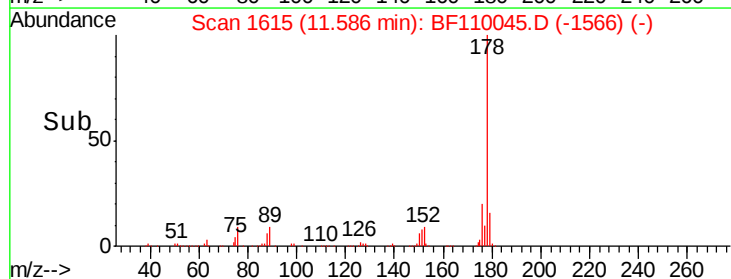
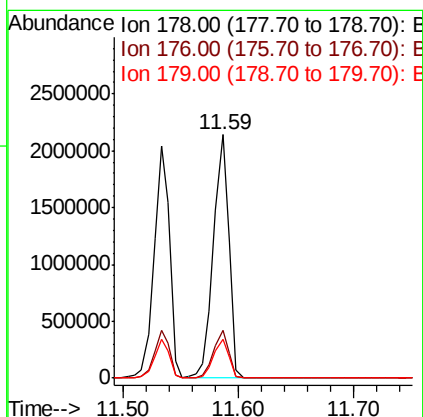
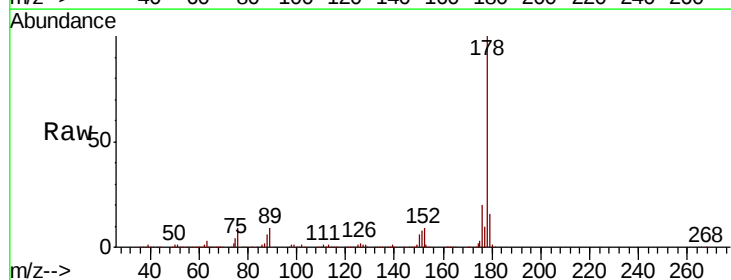
Instrument :
BNA_F
ClientSampled :

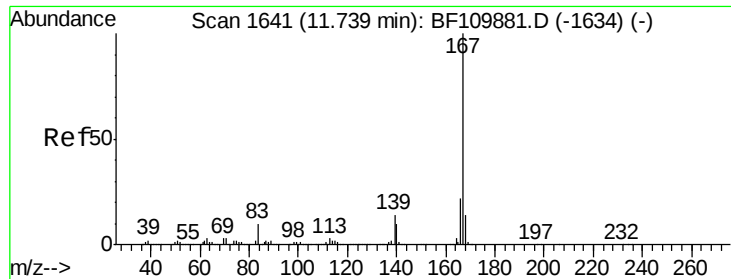
Tot Ion:178 Resp: 1937161
Ion Ratio Lower Upper
178 100
176 20.5 15.5 23.3
179 16.5 12.5 18.7



#72
Anthracene
Concen: 41.975 ng
RT: 11.59 min Scan# 1615
Delta R.T. -0.01 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Tgt Ion:178 Resp: 1996106
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.2
179 16.2 12.6 18.8





#73

Carbazole

Concen: 38.116 ng

RT: 11.74 min Scan# 1641

Delta R.T. -0.01 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

Instrument :

BNA_F

ClientSampleId :

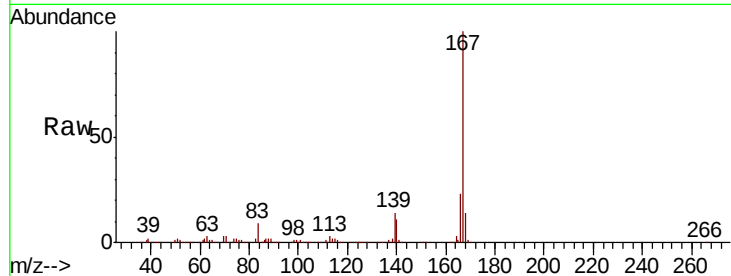
Tot Ion:167 Resp: 1781419

Ion Ratio Lower Upper

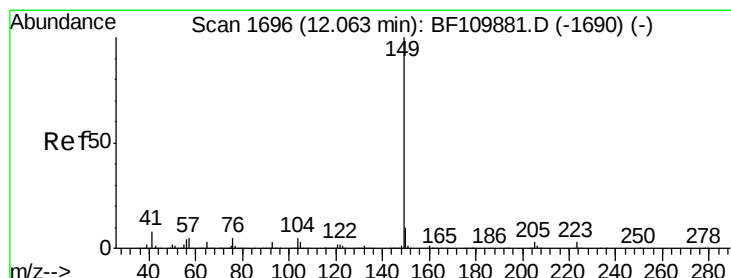
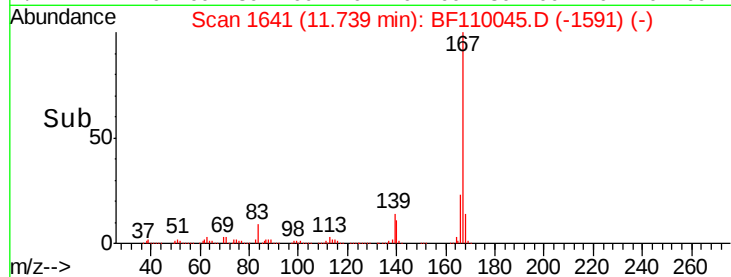
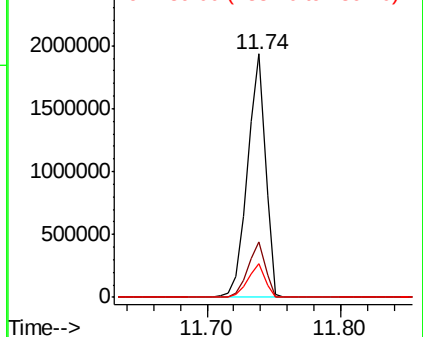
167 100

166 22.9 17.4 26.0

139 14.0 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 39.159 ng

RT: 12.06 min Scan# 1695

Delta R.T. -0.01 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

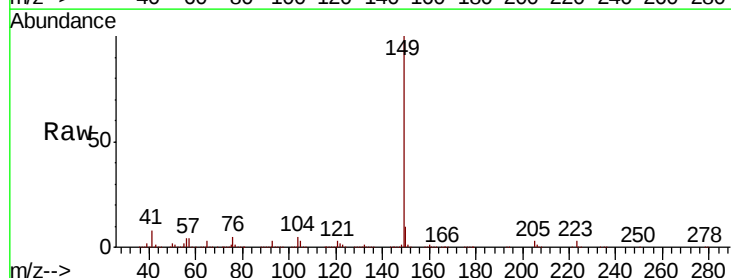
Tgt Ion:149 Resp: 2042500

Ion Ratio Lower Upper

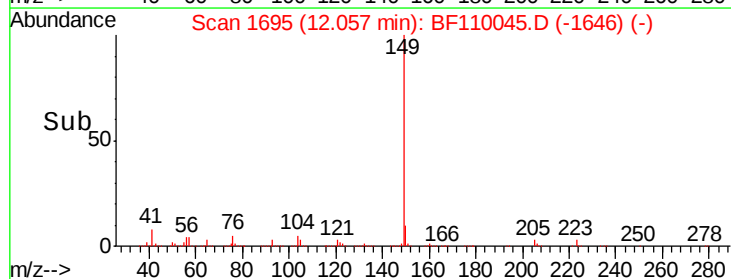
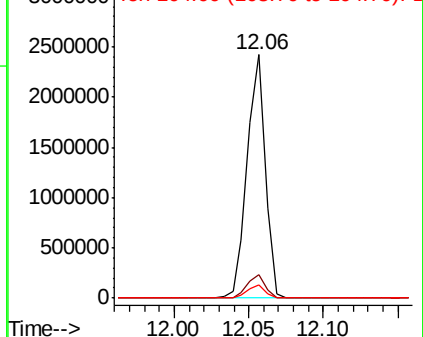
149 100

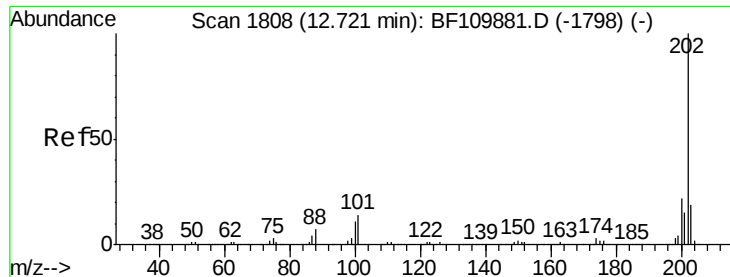
150 9.9 7.7 11.5

104 5.5 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

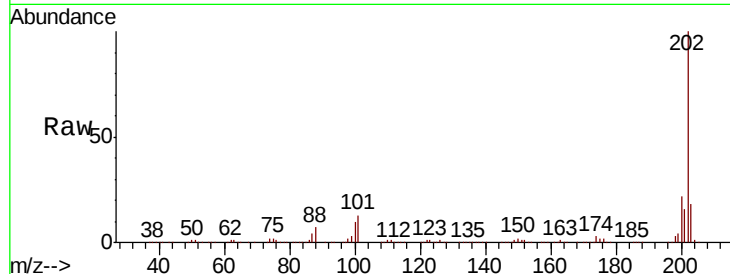




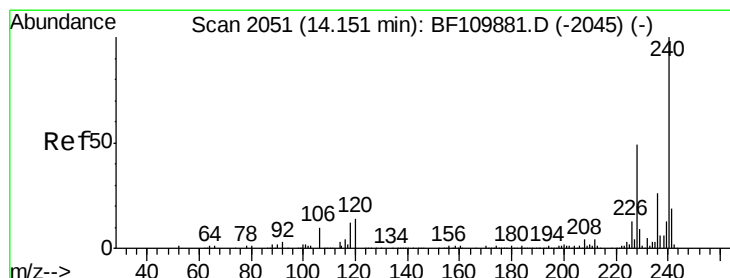
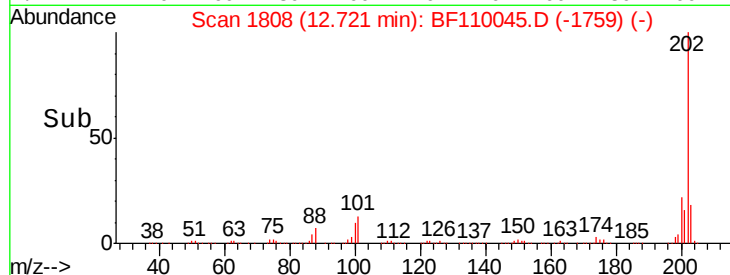
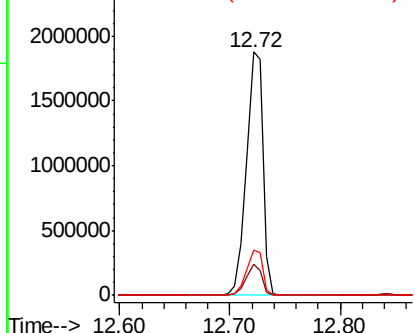
#75
 Fluoranthene
 Concen: 42.003 ng
 RT: 12.72 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: BF110045.D
 Acq: 22 Oct 2018 13:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:202 Resp: 1984790
 Ion Ratio Lower Upper
 202 100
 101 12.8 0.0 31.4
 203 18.5 0.0 37.7

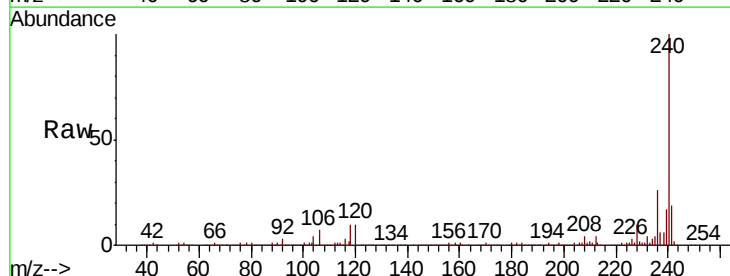


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

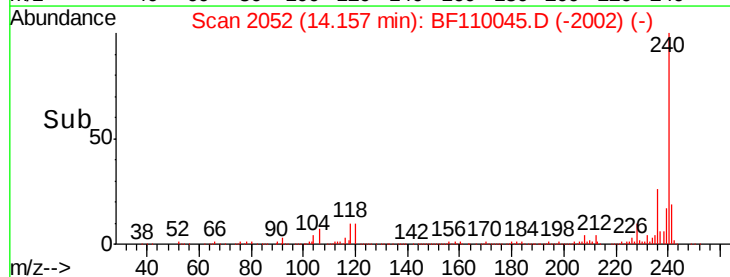
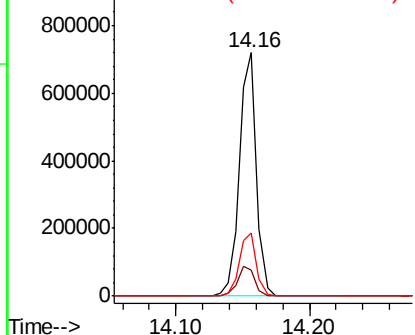


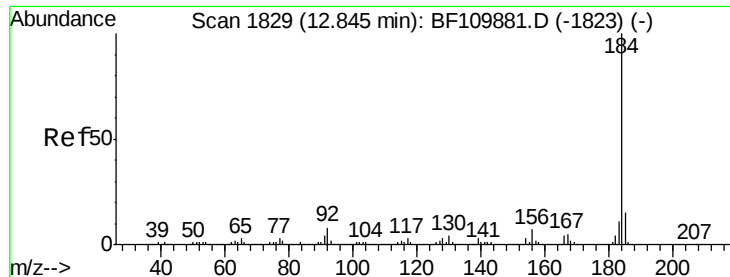
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.16 min Scan# 2052
 Delta R.T. -0.01 min
 Lab File: BF110045.D
 Acq: 22 Oct 2018 13:22

Tgt Ion:240 Resp: 638310
 Ion Ratio Lower Upper
 240 100
 120 10.5 8.3 12.5
 236 25.9 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 45.495 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

Instrument :

BNA_F

ClientSampleId :

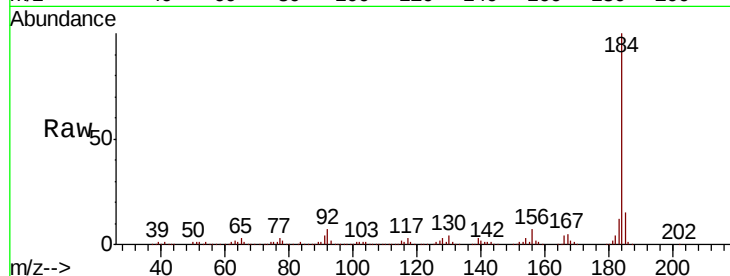
Tot Ion:184 Resp: 1113430

Ion	Ratio	Lower	Upper
184	100		
185	14.9	13.4	20.2
183	12.2	9.4	14.2

184 100

185 14.9 13.4 20.2

183 12.2 9.4 14.2

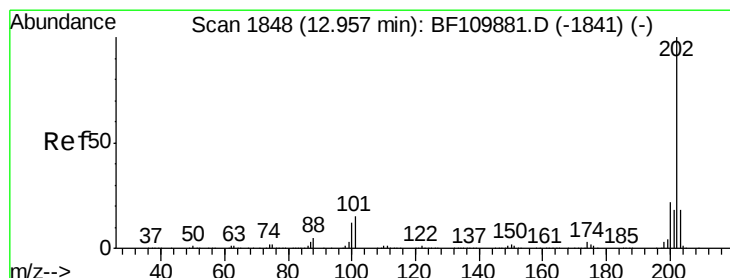
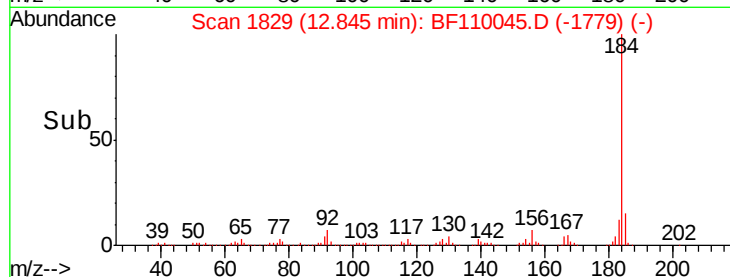
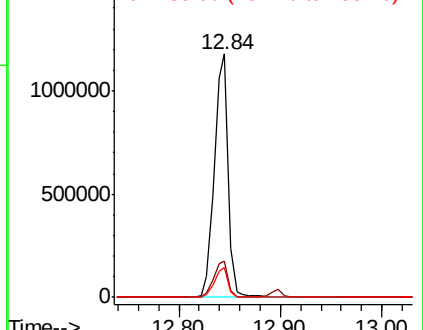


Abundance

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: 42.269 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

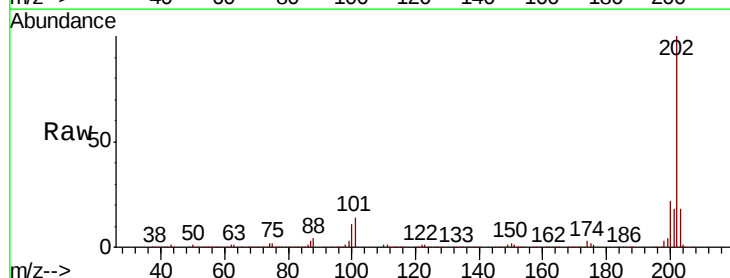
Tgt Ion:202 Resp: 1981662

Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.8	26.6
203	18.5	14.2	21.4

202 100

200 22.4 17.8 26.6

203 18.5 14.2 21.4

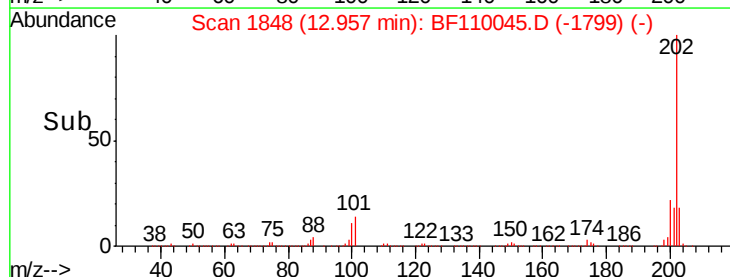
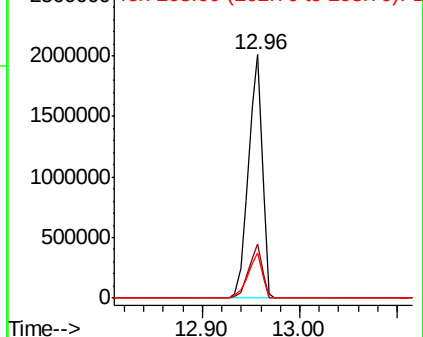


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 62.303 ng

RT: 13.09 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

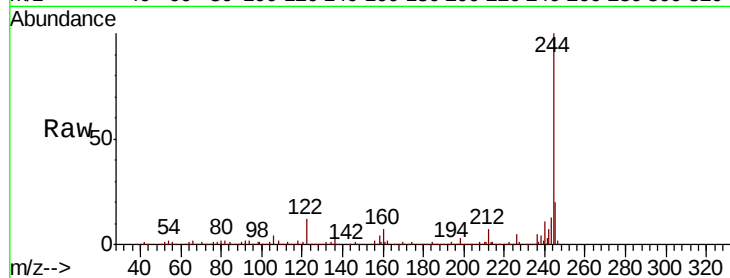
Instrument :

BNA_F

ClientSampled :

Tot Ion:244 Resp: 1893797

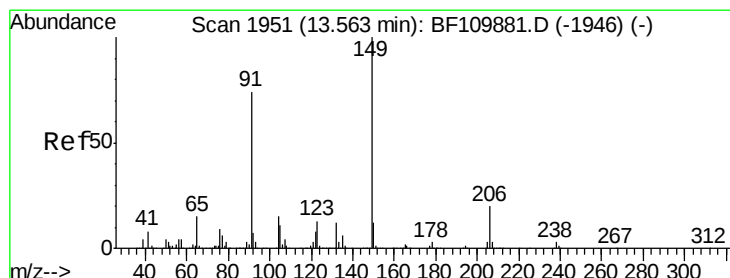
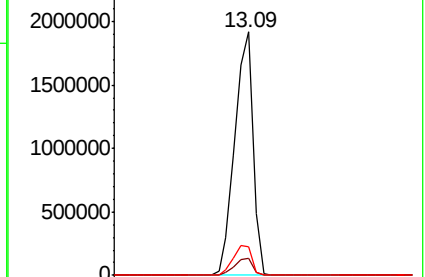
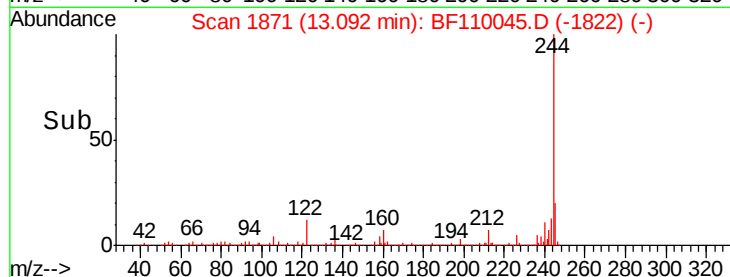
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	11.9	8.7	13.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 45.645 ng

RT: 13.56 min Scan# 1951

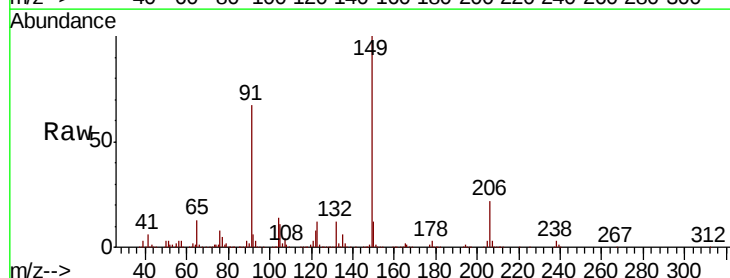
Delta R.T. -0.01 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

Tgt Ion:149 Resp: 865143

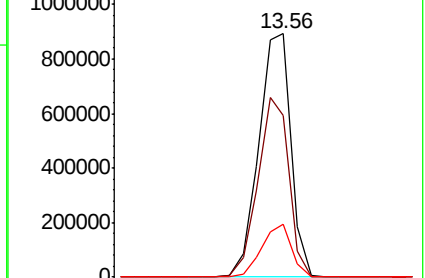
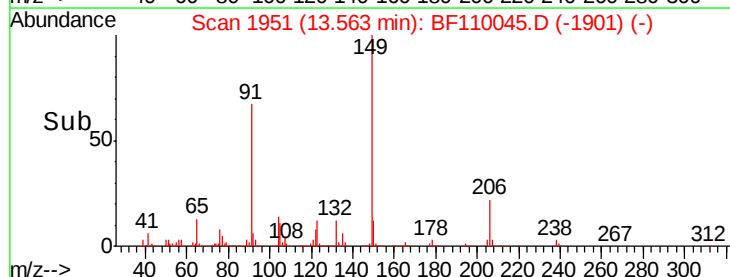
Ion	Ratio	Lower	Upper
149	100		
91	66.6	57.2	85.8
206	21.8	15.7	23.5

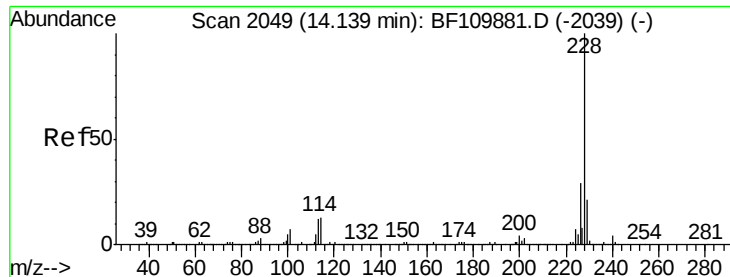


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 43.504 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

Instrument :

BNA_F

ClientSampleId :

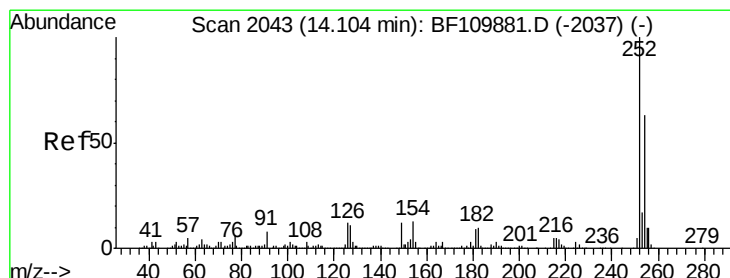
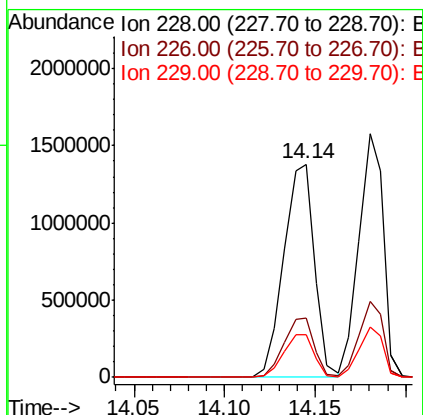
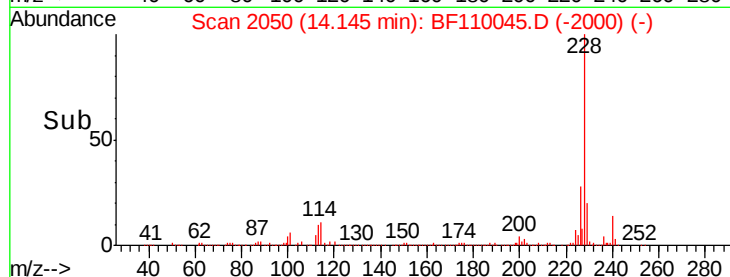
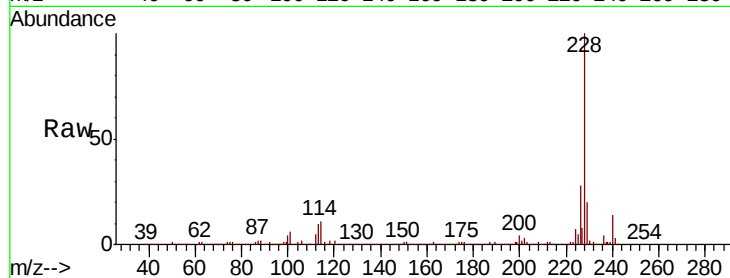
Tot Ion:228 Resp: 1635678

Ion Ratio Lower Upper

228 100

226 27.9 22.1 33.1

229 20.2 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 27.371 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

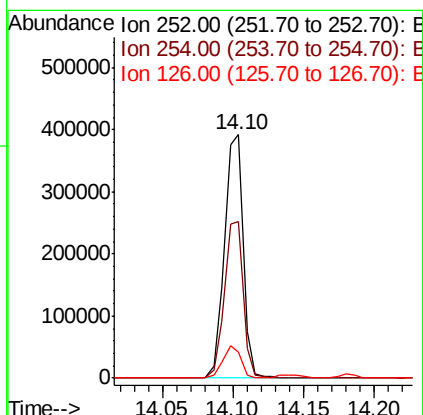
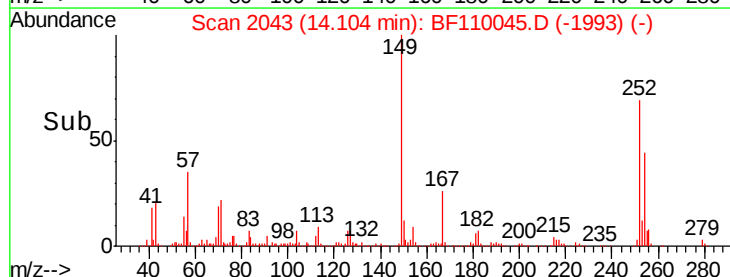
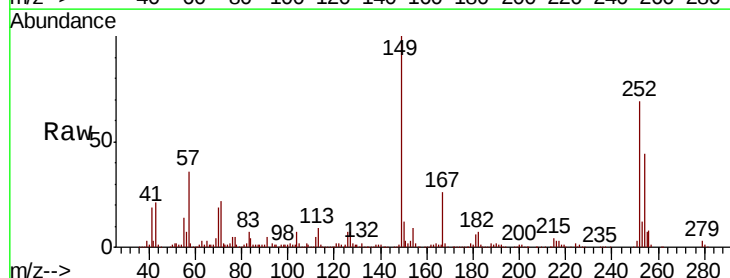
Tgt Ion:252 Resp: 360778

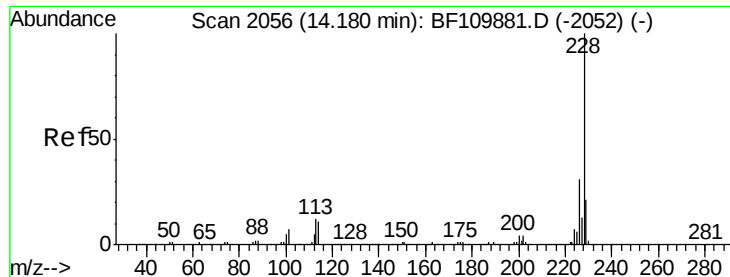
Ion Ratio Lower Upper

252 100

254 64.2 51.3 76.9

126 10.6 9.4 14.2





#83

Chrysene

Concen: 41.653 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

Instrument :

BNA_F

ClientSampleId :

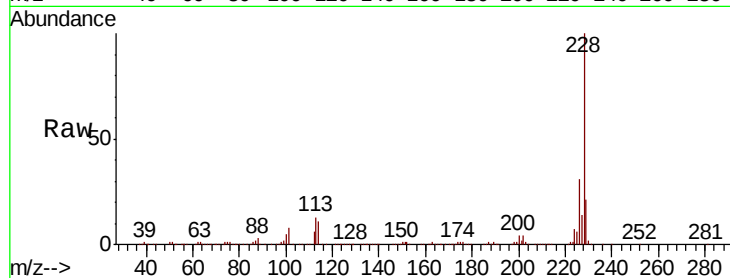
Tot Ion:228 Resp: 1490645

Ion Ratio Lower Upper

228 100

226 31.2 24.7 37.1

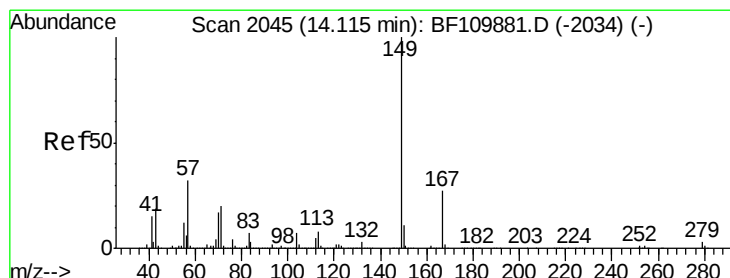
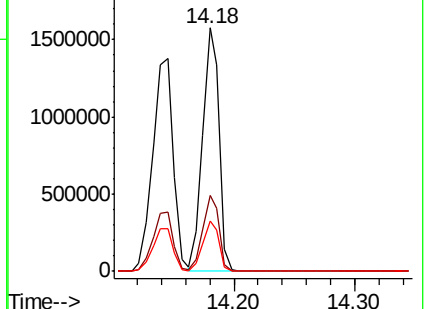
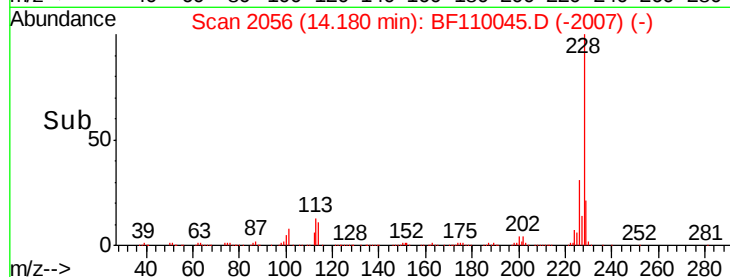
229 20.6 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.884 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.02 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

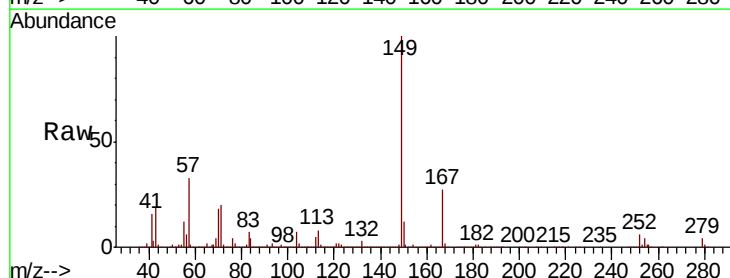
Tgt Ion:149 Resp: 1119404

Ion Ratio Lower Upper

149 100

167 26.8 19.8 29.8

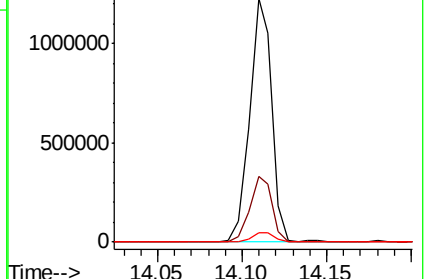
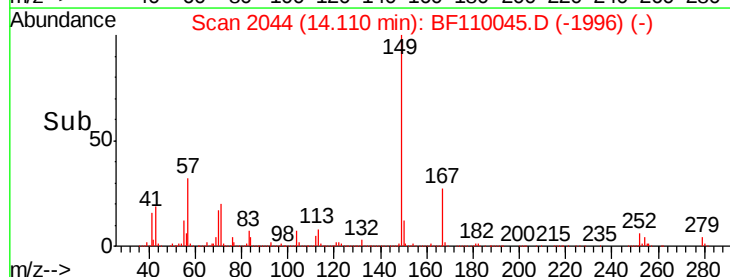
279 3.6 2.7 4.1

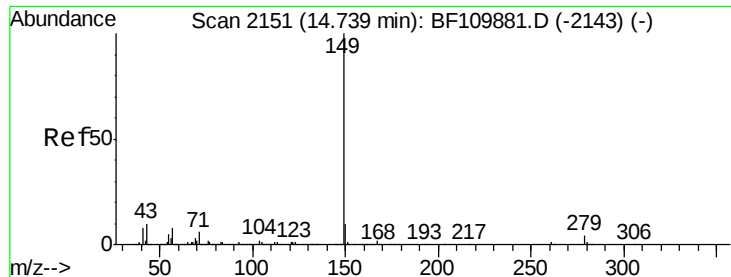


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 47.358 ng

RT: 14.73 min Scan# 2150

Delta R.T. -0.01 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

Instrument :

BNA_F

ClientSampleId :

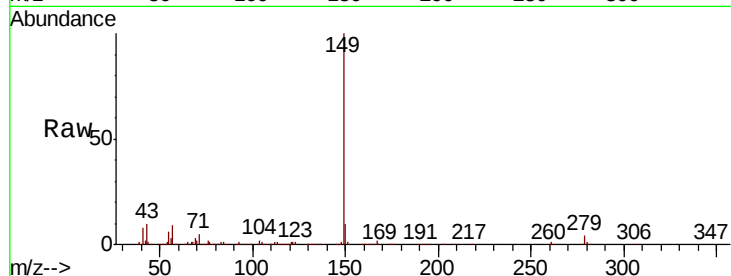
Tot Ion:149 Resp: 1665178

Ion Ratio Lower Upper

149 100

167 1.6 1.1 1.7

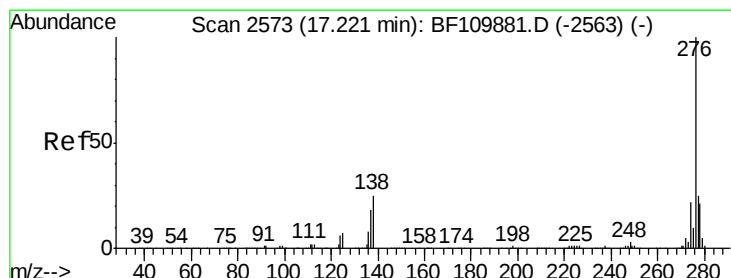
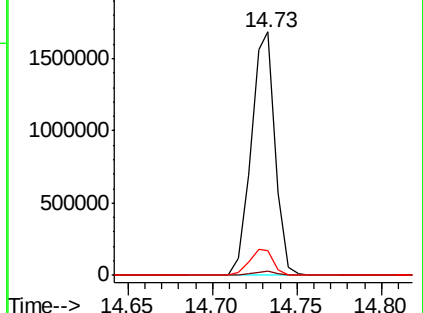
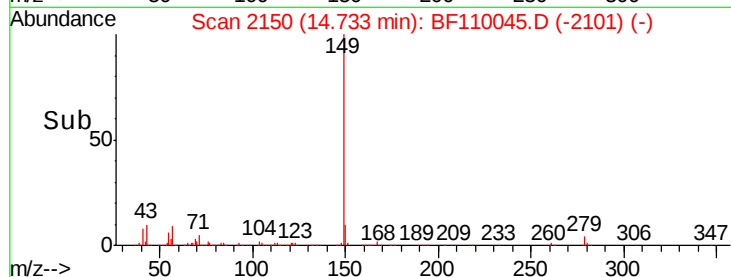
43 10.7 7.8 11.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 43.479 ng

RT: 17.24 min Scan# 2576

Delta R.T. -0.02 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

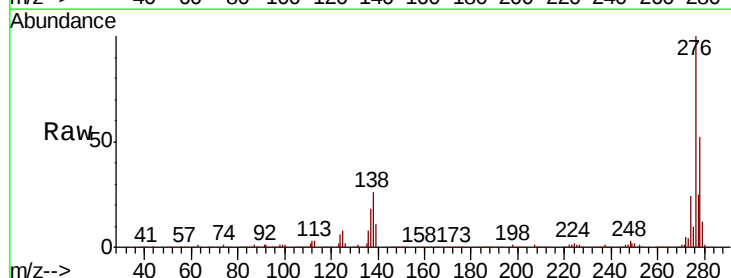
Tgt Ion:276 Resp: 1252835

Ion Ratio Lower Upper

276 100

138 27.9 18.5 27.7#

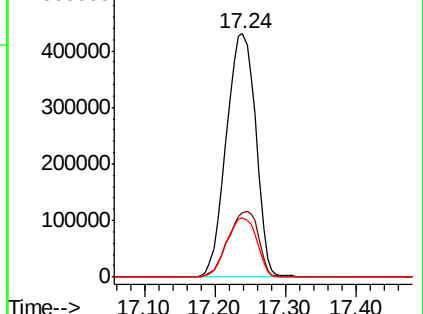
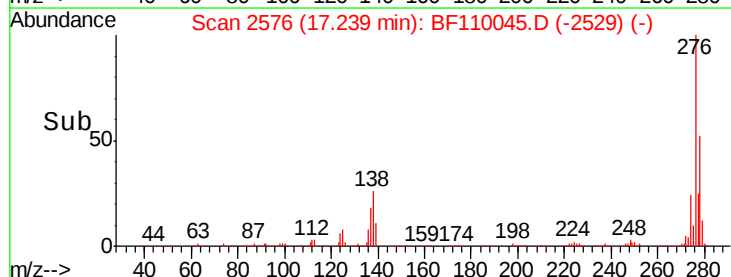
277 24.9 20.0 30.0

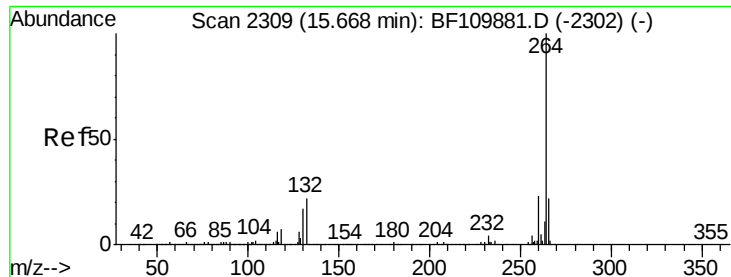


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2310

Delta R.T. -0.02 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

Instrument :

BNA_F

ClientSampleId :

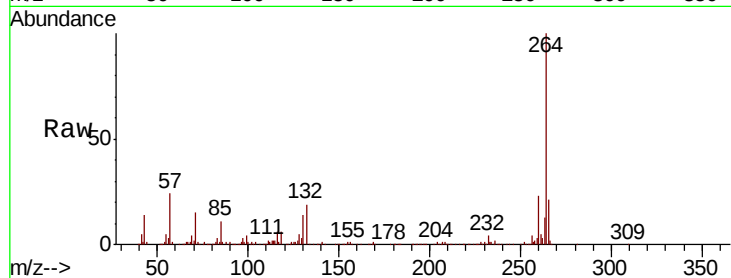
Tot Ion:264 Resp: 484403

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

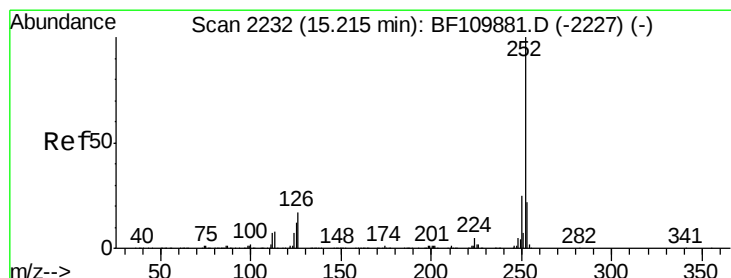
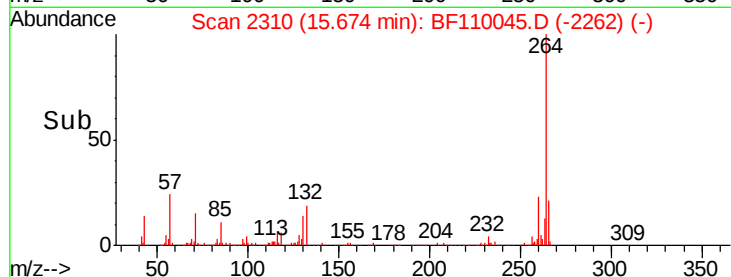
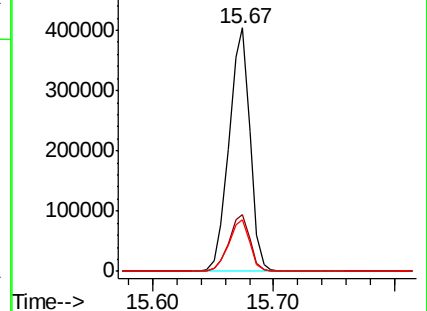
265 21.2 16.7 25.1



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: 45.263 ng

RT: 15.22 min Scan# 2233

Delta R.T. -0.01 min

Lab File: BF110045.D

Acq: 22 Oct 2018 13:22

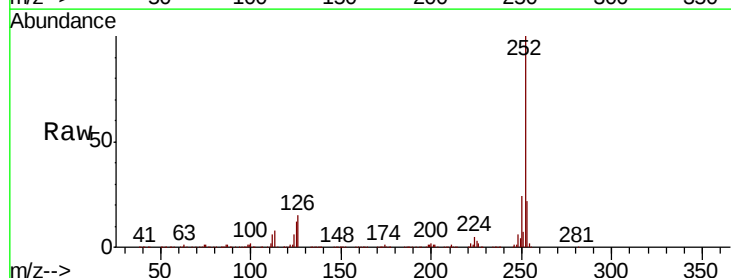
Tgt Ion:252 Resp: 1264062

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

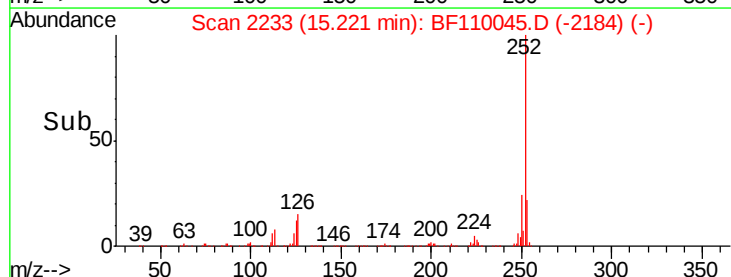
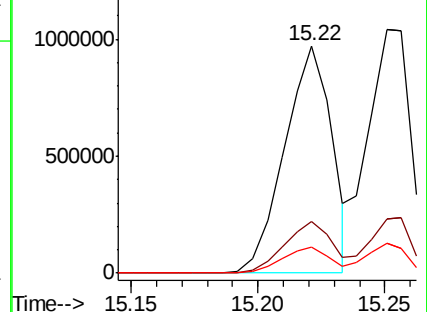
125 11.7 8.2 12.4

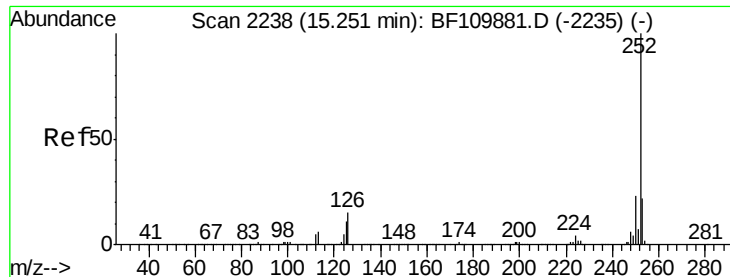


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

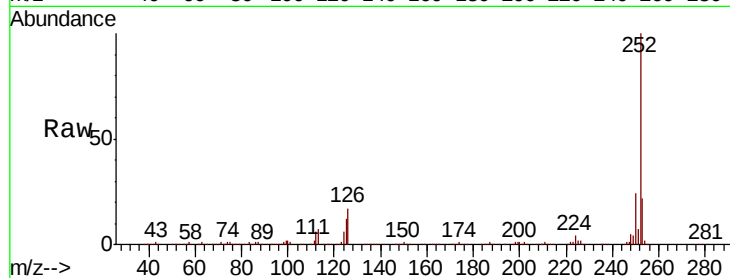




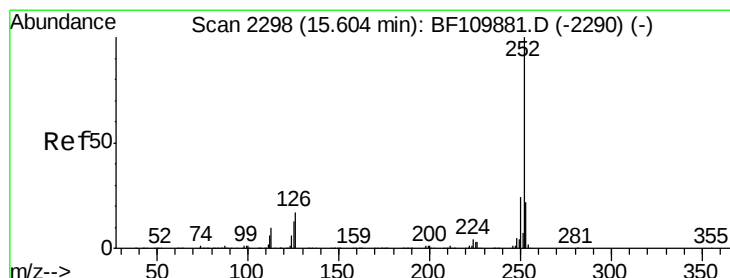
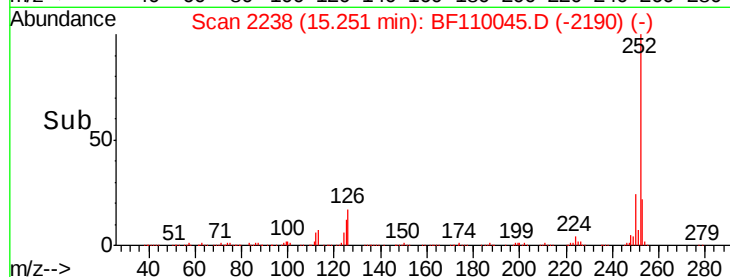
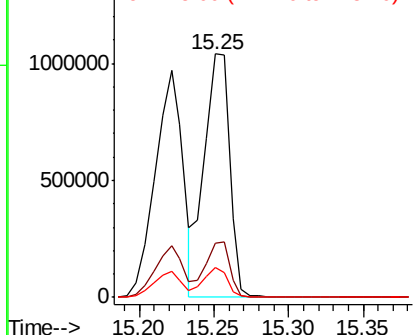
#89
Benzo(k)fluoranthene
Concen: 44.611 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.02 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 1227979
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 12.1 7.4 11.0#

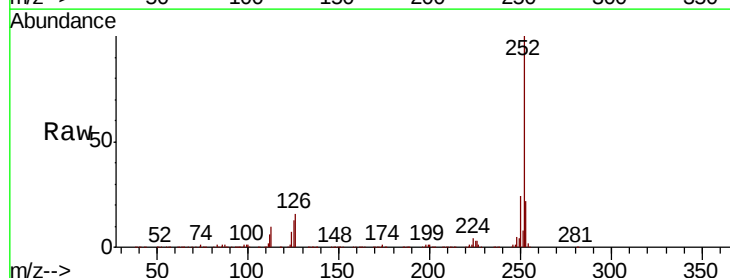


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

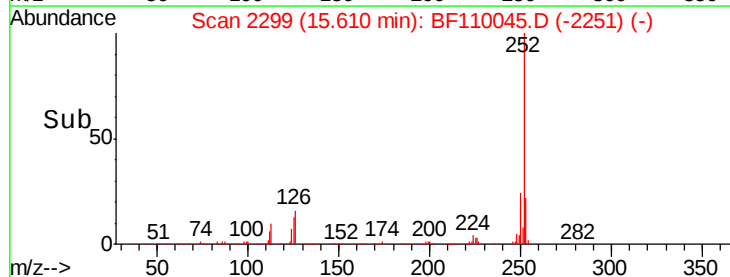
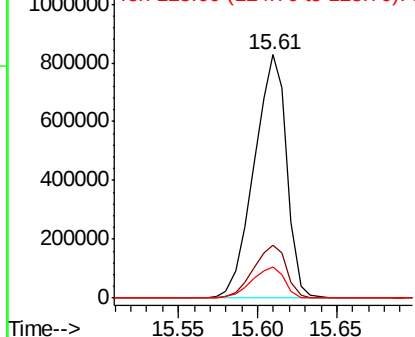


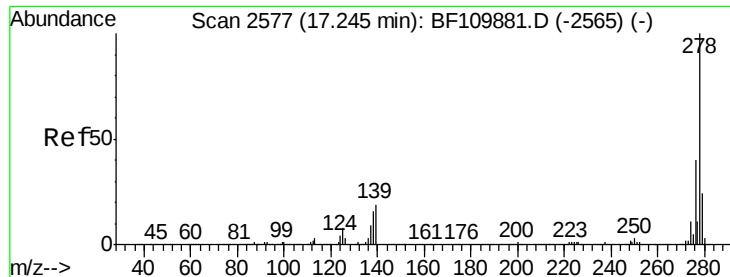
#90
Benzo(a)pyrene
Concen: 46.043 ng
RT: 15.61 min Scan# 2299
Delta R.T. -0.02 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Tgt Ion:252 Resp: 1182618
Ion Ratio Lower Upper
252 100
253 21.9 18.2 27.4
125 12.9 9.0 13.6



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



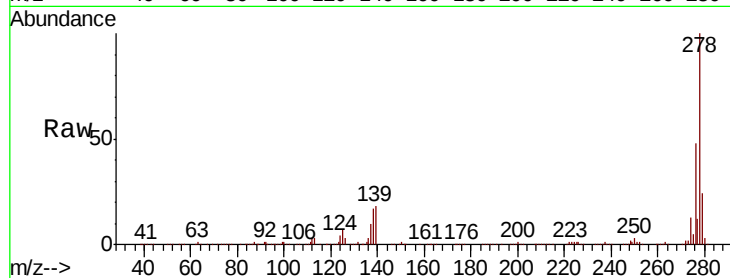


#91
Dibenzo(a,h)anthracene
Concen: 45.374 ng
RT: 17.26 min Scan# 2579
Delta R.T. -0.02 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

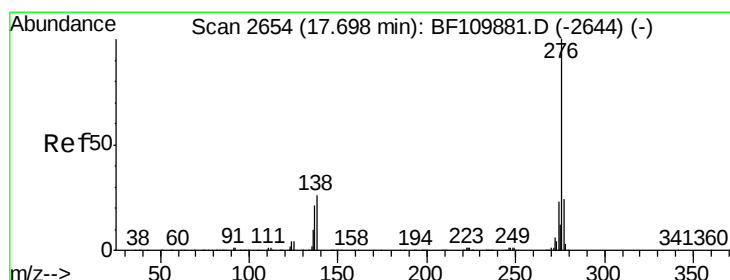
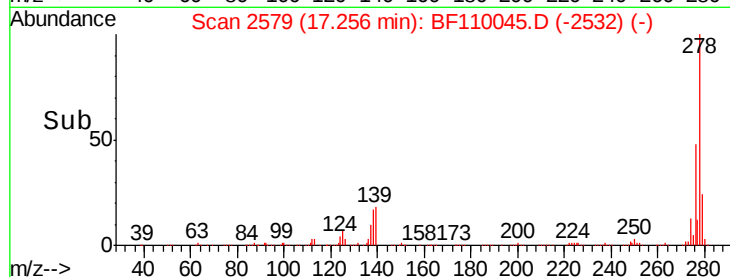
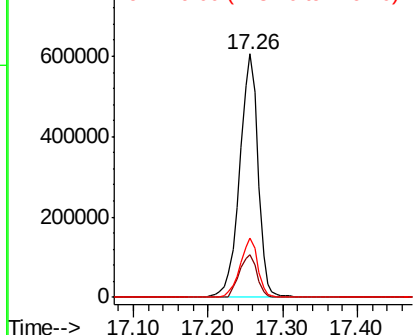
Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 1032831

Ion	Ratio	Lower	Upper
278	100		
139	17.6	12.7	19.1
279	24.3	19.0	28.4



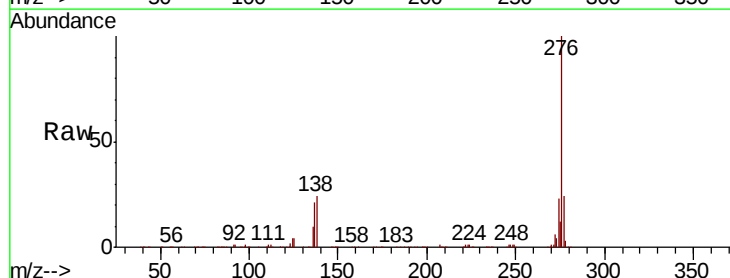
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 45.780 ng
RT: 17.72 min Scan# 2657
Delta R.T. -0.02 min
Lab File: BF110045.D
Acq: 22 Oct 2018 13:22

Tgt Ion:276 Resp: 1052872

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.8	28.2
138	24.1	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

