

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111218\
 Data File : BF110715.D
 Acq On : 13 Nov 2018 10:49
 Operator : JU/SJ
 Sample : PB114706BS
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB114706BS

Quant Time: Nov 13 11:53:07 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 09 15:13:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	70190	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	300106	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	141813	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	248203	20.00	ng	0.00
76) Chrysene-d12	14.13	240	149970	20.00	ng	-0.01
87) Perylene-d12	15.66	264	126051	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.57	112	262182	60.67	ng	0.00
7) Phenol-d6	6.57	99	335592	60.73	ng	0.00
23) Nitrobenzene-d5	7.51	82	304710	58.47	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	75245	52.66	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	612957	61.73	ng	0.00
79) Terphenyl-d14	13.06	244	441880	55.18	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.84	88	43884	20.382	ng	89
3) Pyridine	3.62	79	101361	21.810	ng	86
4) n-Nitrosodimethylamine	3.57	42	58563	29.368	ng	89
6) Aniline	6.60	93	107747	14.952	ng	# 56
8) 2-Chlorophenol	6.73	128	140245	27.685	ng	98
9) Benzaldehyde	6.50	77	79446	24.039	ng	96
10) Phenol	6.58	94	172053	26.852	ng	# 63
11) bis(2-Chloroethyl)ether	6.67	93	124721	25.973	ng	95
12) 1,3-Dichlorobenzene	6.88	146	146490	26.430	ng	99
13) 1,4-Dichlorobenzene	6.96	146	149037	26.480	ng	98
14) 1,2-Dichlorobenzene	7.11	146	140074	26.753	ng	99
15) Benzyl Alcohol	7.08	79	117367	27.141	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.21	45	204924	27.175	ng	71
17) 2-Methylphenol	7.19	107	110581	27.429	ng	# 80
18) Hexachloroethane	7.45	117	51249	24.664	ng	96
19) n-Nitroso-di-n-propylamine	7.35	70	95238	27.000	ng	93
20) 3+4-Methylphenols	7.35	107	145770	28.166	ng	# 74
22) Acetophenone	7.35	105	194828	27.856	ng	# 93
24) Nitrobenzene	7.53	77	142216	26.637	ng	95
25) Isophorone	7.76	82	258166	30.226	ng	98
26) 2-Nitrophenol	7.85	139	64579	24.245	ng	92
27) 2,4-Dimethylphenol	7.87	122	124629	30.723	ng	99
28) bis(2-Chloroethoxy)methane	7.96	93	161778	27.975	ng	99
29) 2,4-Dichlorophenol	8.08	162	113952	27.301	ng	98
30) 1,2,4-Trichlorobenzene	8.16	180	125647	26.699	ng	93
31) Naphthalene	8.25	128	408468	28.993	ng	99
32) Benzoic acid	7.96	122	21443	7.471	ng	92
33) 4-Chloroaniline	8.30	127	90443	14.173	ng	99
34) Hexachlorobutadiene	8.35	225	69233	25.756	ng	99
35) Caprolactam	8.65	113	33737	24.193	ng	# 83
36) 4-Chloro-3-methylphenol	8.77	107	123539	27.443	ng	96
37) 2-Methylnaphthalene	8.94	142	283938	30.744	ng	98
38) 1-Methylnaphthalene	9.04	142	260190	29.294	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.10	216	119011	26.512	ng	98

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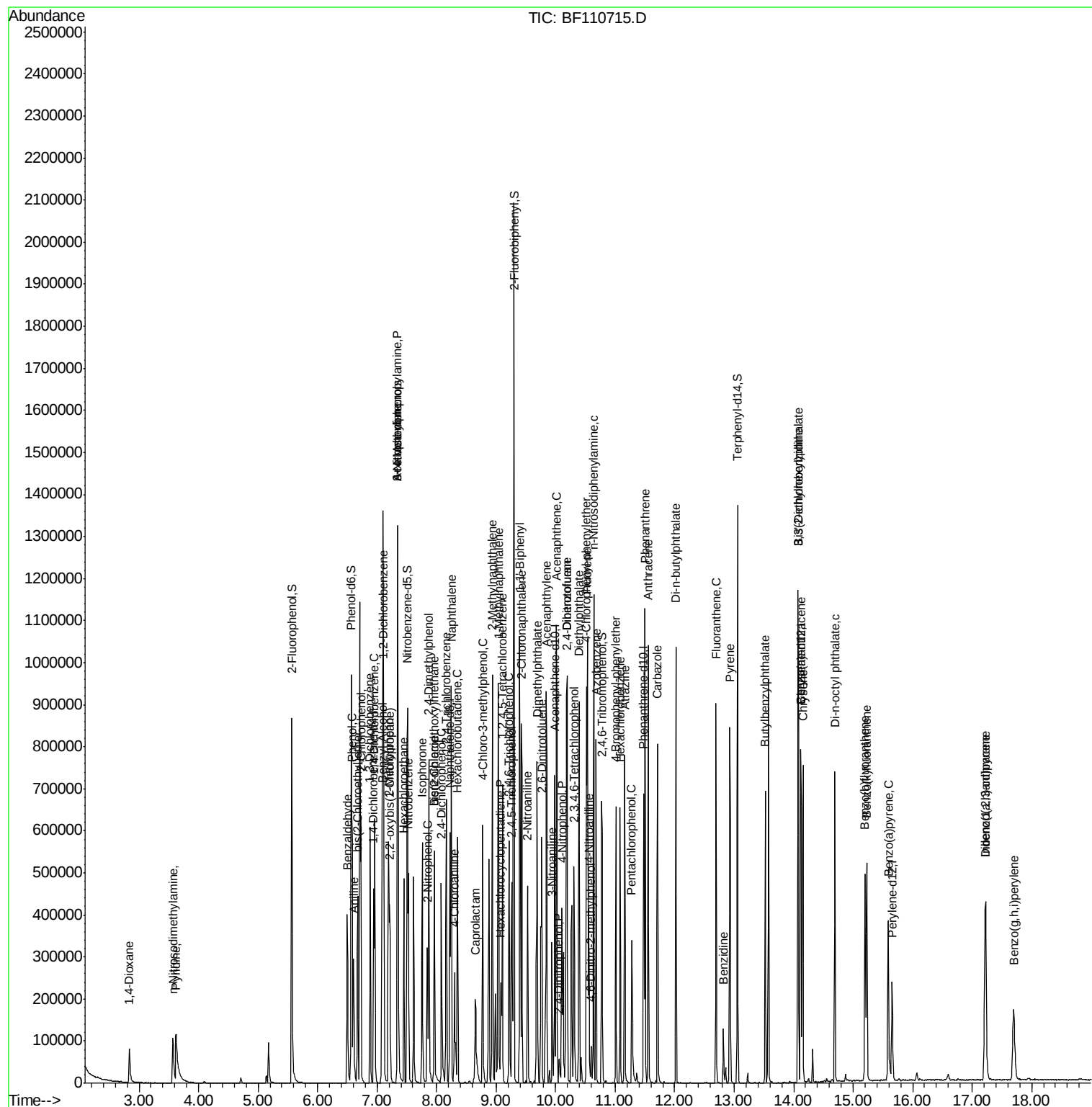
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.08	237	31194	23.751	nq	99
43) 2,4,6-Trichlorophenol	9.22	196	73968	26.222	nq	97
44) 2,4,5-Trichlorophenol	9.26	196	78297	26.021	nq	94
46) 1,1'-Biphenyl	9.40	154	348578	26.349	nq	99
47) 2-Chloronaphthalene	9.43	162	256985	26.964	nq	98
48) 2-Nitroaniline	9.53	65	82117	27.960	nq	96
49) Acenaphthylene	9.85	152	403576	29.403	nq	99
50) Dimethylphthalate	9.69	163	299676	28.320	nq	99
51) 2,6-Dinitrotoluene	9.77	165	62165	26.706	nq	95
52) Acenaphthene	10.02	154	243217	28.039	nq	98
53) 3-Nitroaniline	9.95	138	54566	20.233	nq	86
54) 2,4-Dinitrophenol	10.06	184	10694	15.557	nq	93
55) Dibenzofuran	10.19	168	354051	27.898	nq	97
56) 4-Nitrophenol	10.10	139	79474	44.420	nq	94
57) 2,4-Dinitrotoluene	10.18	165	81636	26.973	nq	91
58) Fluorene	10.53	166	285560	29.295	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.31	232	61073	25.801	nq	# 92
60) Diethylphthalate	10.39	149	297543	28.422	nq	99
61) 4-Chlorophenyl-phenylether	10.52	204	134472	26.643	nq	98
62) 4-Nitroaniline	10.56	138	67156	24.729	nq	94
63) Azobenzene	10.68	77	281285	27.540	nq	98
65) 4,6-Dinitro-2-methylphenol	10.59	198	12027	9.615	nq	89
66) n-Nitrosodiphenylamine	10.64	169	245069	29.293	nq	96
67) 4-Bromophenyl-phenylether	11.02	248	76823	28.006	nq	97
68) Hexachlorobenzene	11.09	284	79806	27.594	nq	94
69) Atrazine	11.16	200	79572	31.107	nq	98
70) Pentachlorophenol	11.29	266	47420	30.728	nq	98
71) Phenanthrene	11.50	178	389397	29.284	nq	99
72) Anthracene	11.56	178	403550	30.085	nq	99
73) Carbazole	11.71	167	333146	25.861	nq	99
74) Di-n-butylphthalate	12.02	149	465033	30.783	nq	99
75) Fluoranthene	12.70	202	346700	26.006	nq	99
77) Benzidine	12.82	184	59932	14.532	nq	97
78) Pyrene	12.93	202	338560	29.319	nq	99
80) Butylbenzylphthalate	13.53	149	161745	32.544	nq	94
81) Benzo(a)anthracene	14.12	228	263556	29.402	nq	99
82) 3,3'-Dichlorobenzidine	14.07	252	68802	22.912	nq	97
83) Chrysene	14.16	228	247994	29.039	nq	98
84) Bis(2-ethylhexyl)phthalate	14.07	149	220584	35.777	nq	97
85) Di-n-octyl phthalate	14.69	149	330236	36.423	nq	99
86) Indeno(1,2,3-cd)pyrene	17.22	276	215555	35.174	nq	97
88) Benzo(b)fluoranthene	15.20	252	229666	30.456	nq	98
89) Benzo(k)fluoranthene	15.23	252	210107	28.198	nq	97
90) Benzo(a)pyrene	15.59	252	207055	30.221	nq	98
91) Dibenzo(a,h)anthracene	17.23	278	181972	31.385	nq	99
92) Benzo(g,h,i)perylene	17.70	276	169010	29.380	nq	96

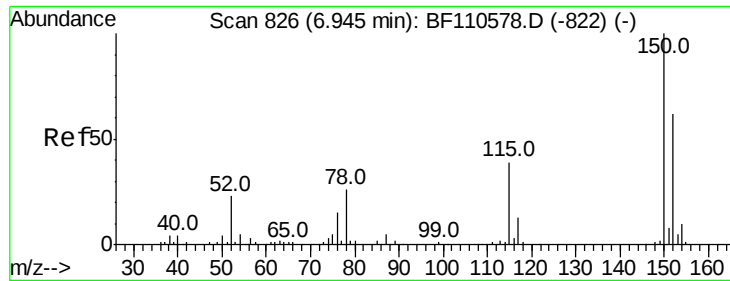
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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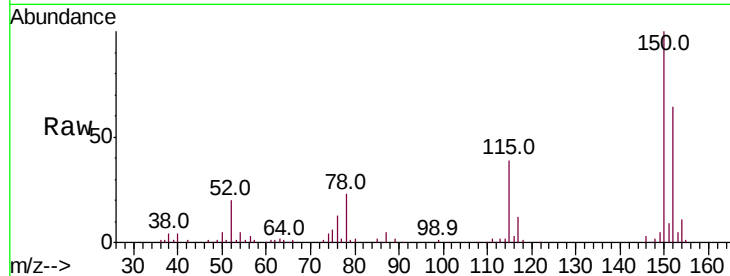


#1

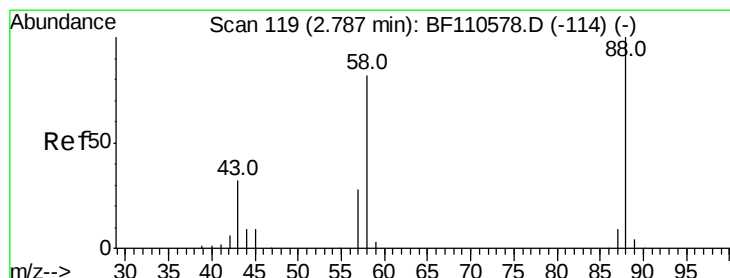
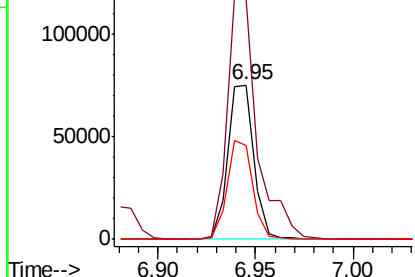
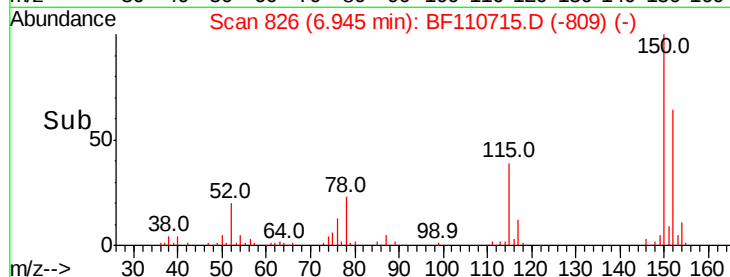
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: BF110715.D
 Acq: 13 Nov 2018 10:49

Instrument :
 BNA_F
 ClientSampleId :
 PB114706BS

Tot Ion:152 Resp: 70190
 Ion Ratio Lower Upper
 152 100
 150 156.2 122.7 184.1
 115 61.1 49.1 73.7



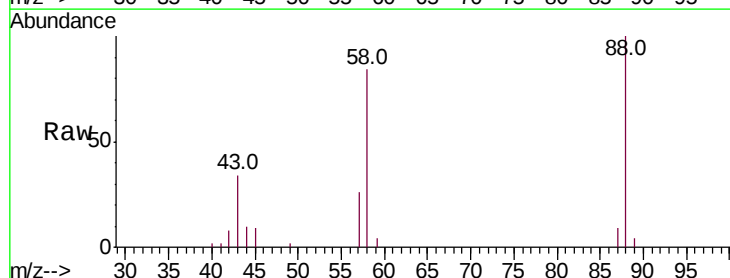
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



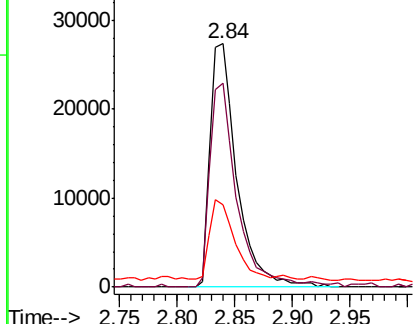
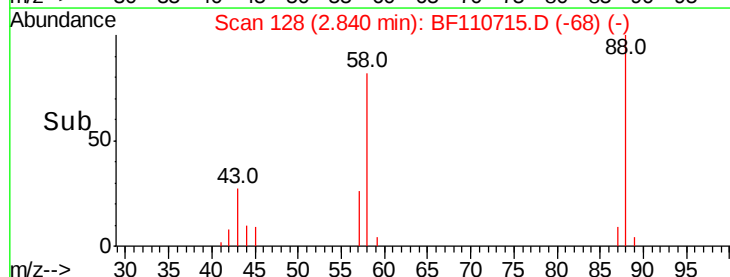
#2

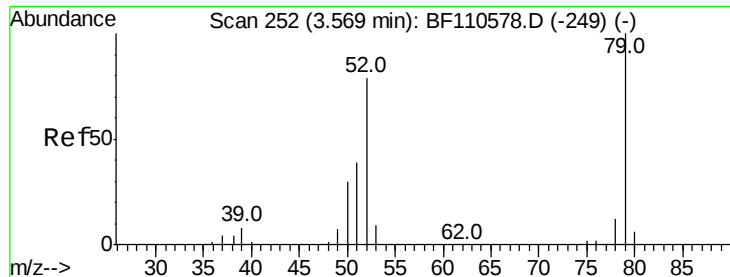
1,4-Dioxane
 Concen: 20.382 ng
 RT: 2.84 min Scan# 128
 Delta R.T. 0.05 min
 Lab File: BF110715.D
 Acq: 13 Nov 2018 10:49

Tgt Ion: 88 Resp: 43884
 Ion Ratio Lower Upper
 88 100
 58 84.1 57.1 85.7
 43 29.6 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: 21.810 ng

RT: 3.62 min Scan# 261

Delta R.T. 0.05 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

Instrument :

BNA_F

ClientSampleId :

PB114706BS

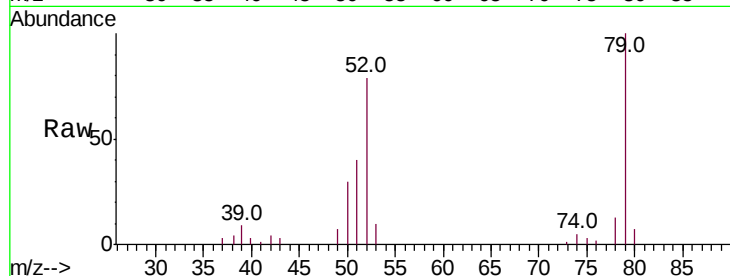
Tot Ion: 79 Resp: 101361

Ion Ratio Lower Upper

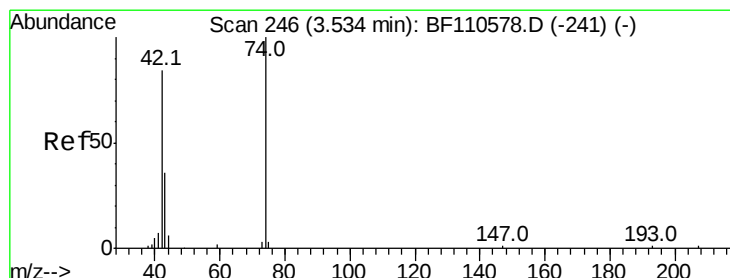
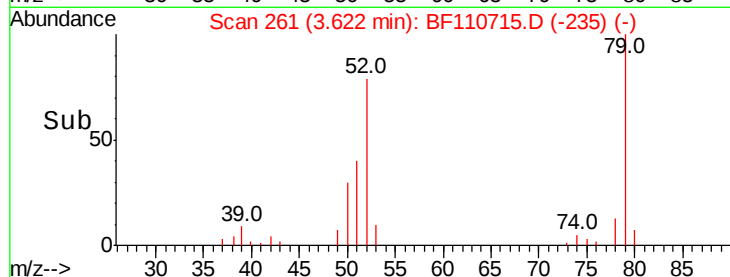
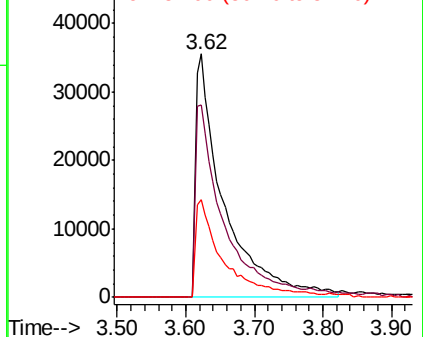
79 100

52 79.2 53.1 79.7

51 40.1 27.4 41.2



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 29.368 ng

RT: 3.57 min Scan# 252

Delta R.T. 0.04 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

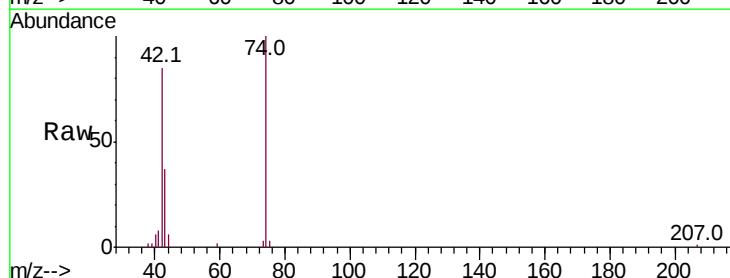
Tgt Ion: 42 Resp: 58563

Ion Ratio Lower Upper

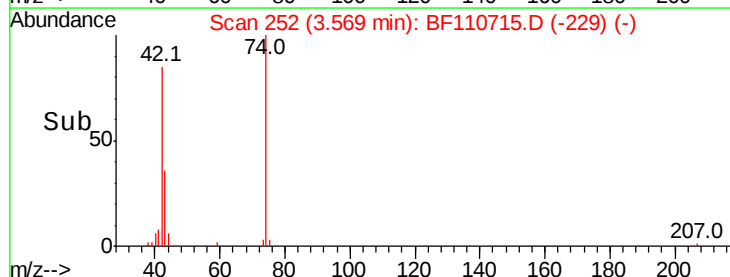
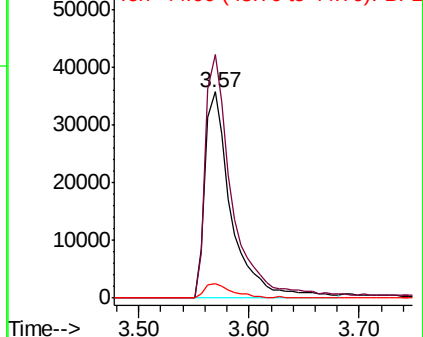
42 100

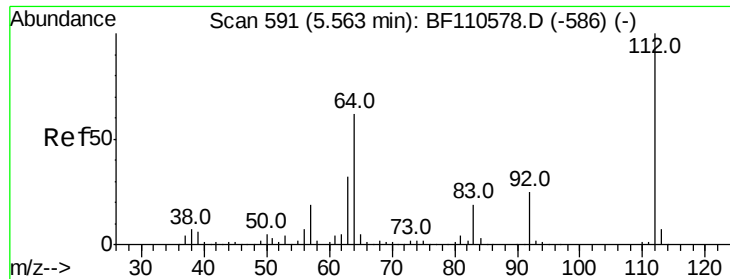
74 118.2 105.5 158.3

44 6.9 4.9 7.3



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 60.673 ng

RT: 5.57 min Scan# 592

Delta R.T. 0.01 min

Lab File: BF110715.D

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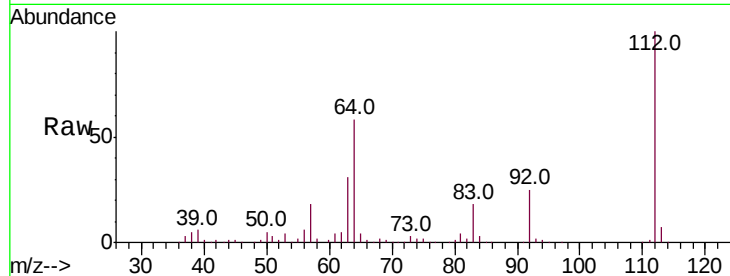
Tot Ion:112 Resp: 262182

Ion Ratio Lower Upper

112 100

64 57.5 44.1 66.1

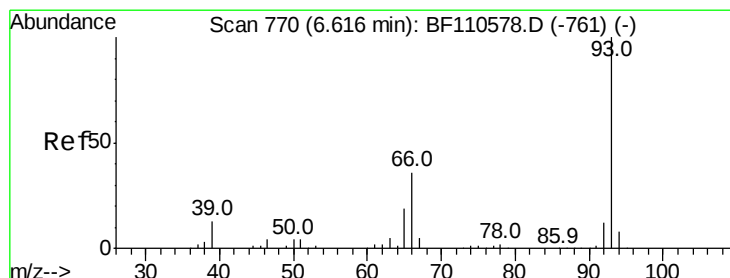
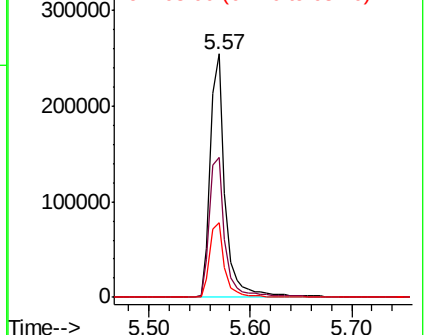
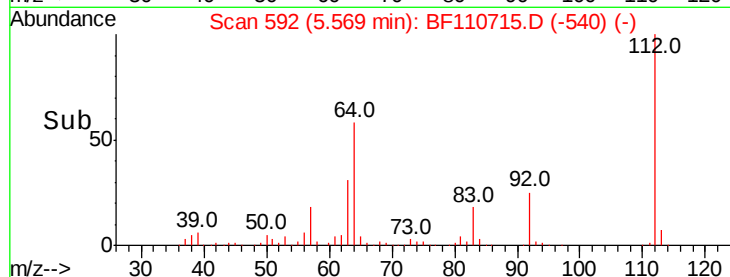
63 30.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 14.952 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

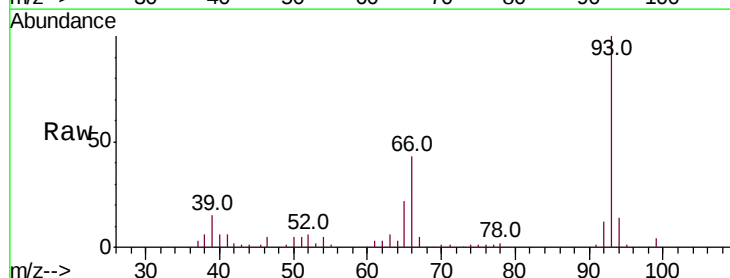
Tgt Ion: 93 Resp: 107747

Ion Ratio Lower Upper

93 100

66 43.0 67.4 101.0#

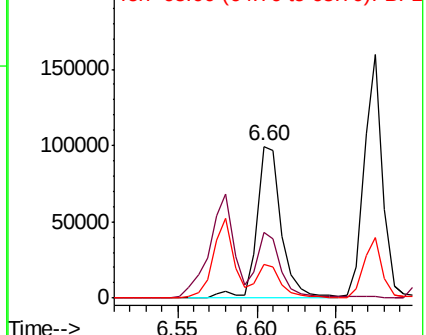
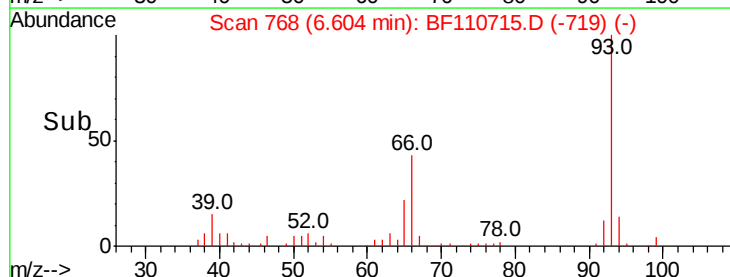
65 22.2 41.0 61.4#

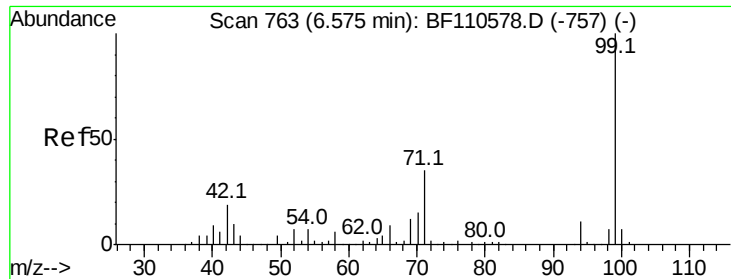


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 60.732 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

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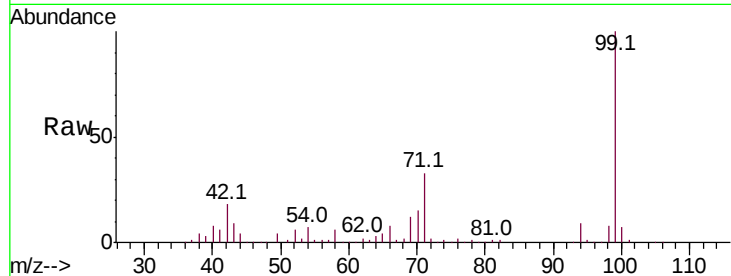
Tot Ion: 99 Resp: 335592

Ion Ratio Lower Upper

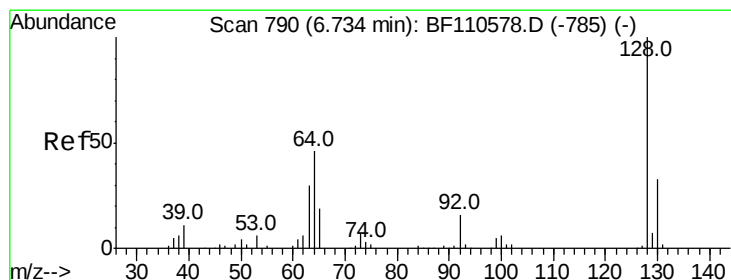
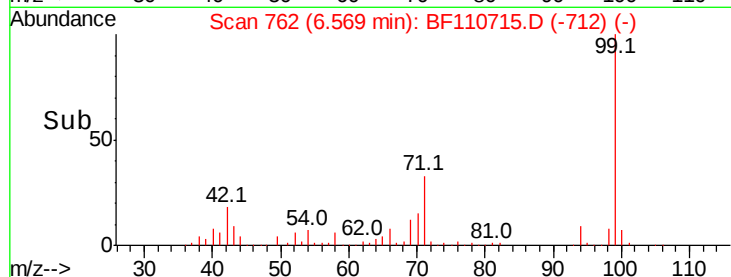
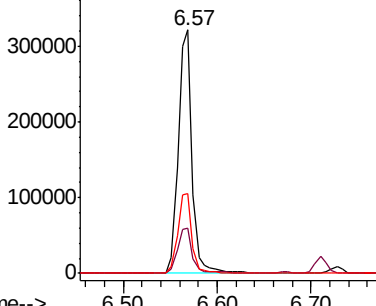
99 100

42 18.3 15.8 23.6

71 32.9 28.0 42.0



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



#8

2-Chlorophenol

Concen: 27.685 ng

RT: 6.73 min Scan# 789

Delta R.T. -0.01 min

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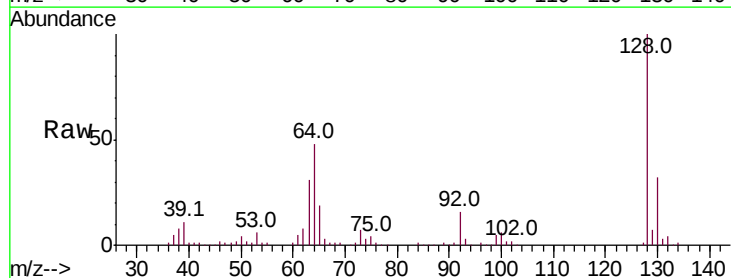
Tgt Ion: 128 Resp: 140245

Ion Ratio Lower Upper

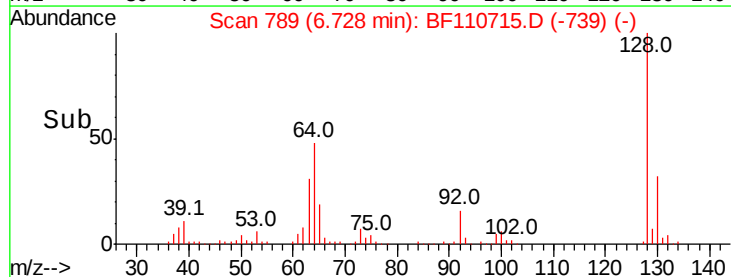
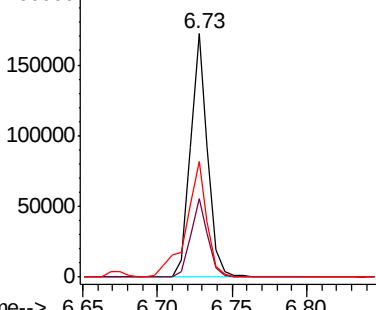
128 100

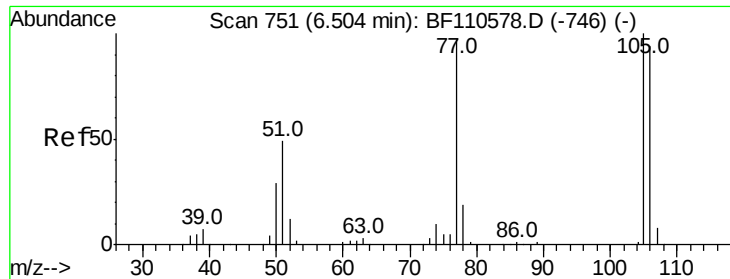
130 32.1 13.1 53.1

64 47.5 26.0 66.0



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





#9

Benzaldehyde

Concen: 24.039 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

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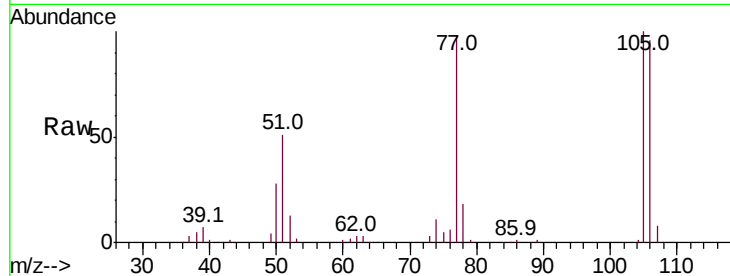
Tot Ion: 77 Resp: 79446

Ion Ratio Lower Upper

77 100

105 102.2 78.6 118.6

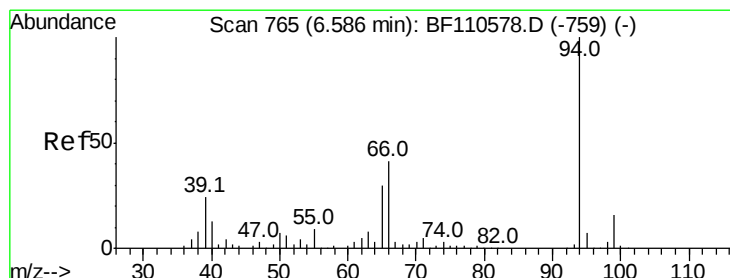
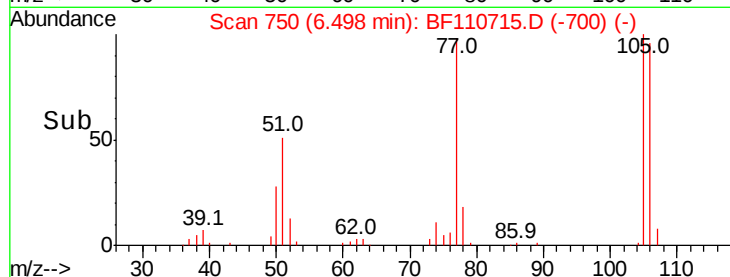
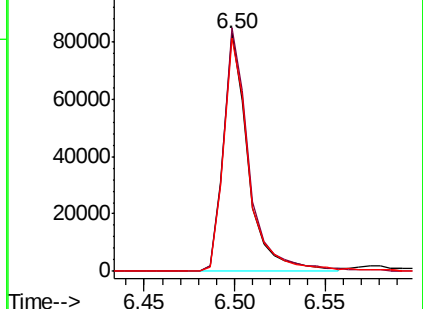
106 98.1 74.8 114.8



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: 26.852 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

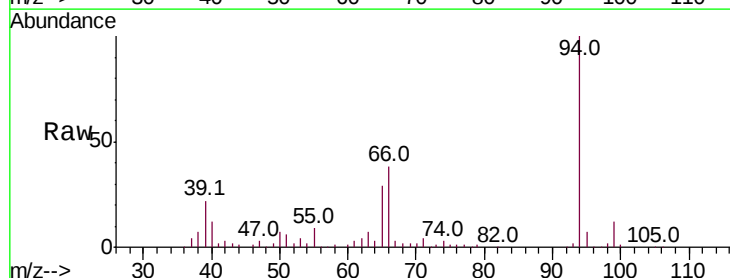
Tgt Ion: 94 Resp: 172053

Ion Ratio Lower Upper

94 100

65 28.8 25.3 65.3

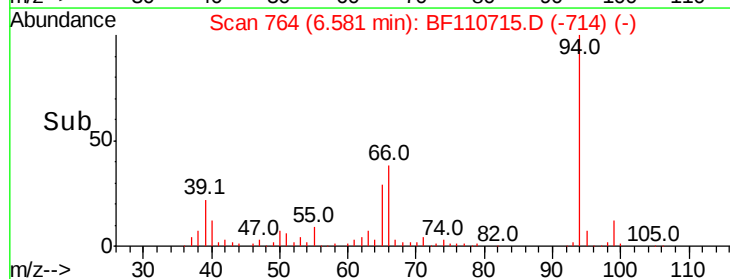
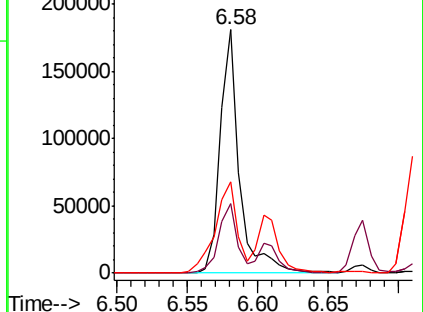
66 37.6 54.5 94.5#

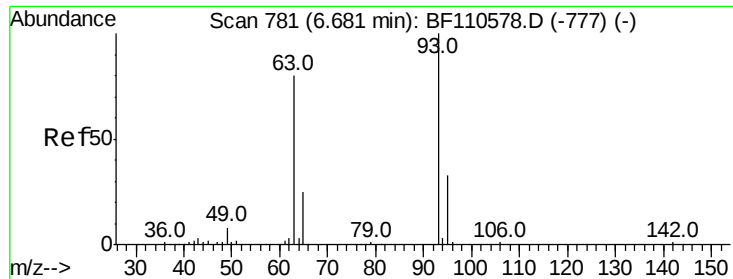


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

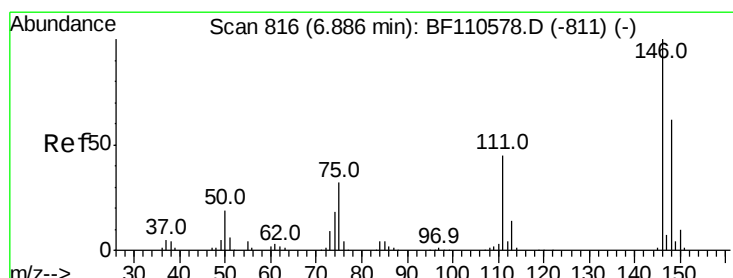
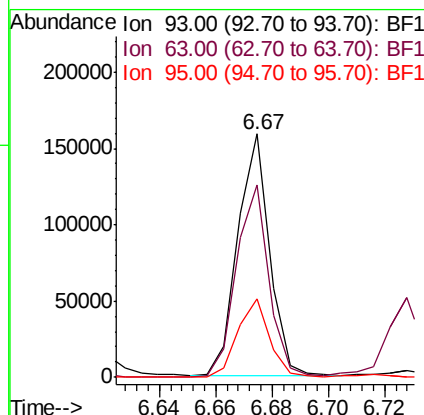
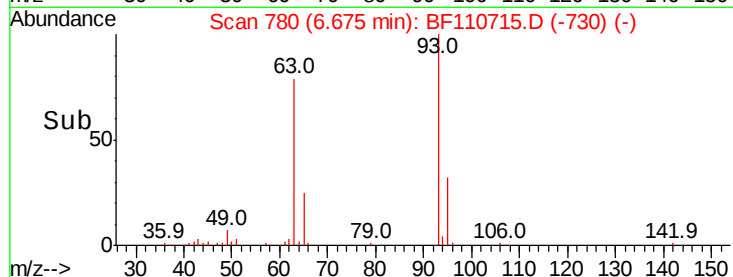
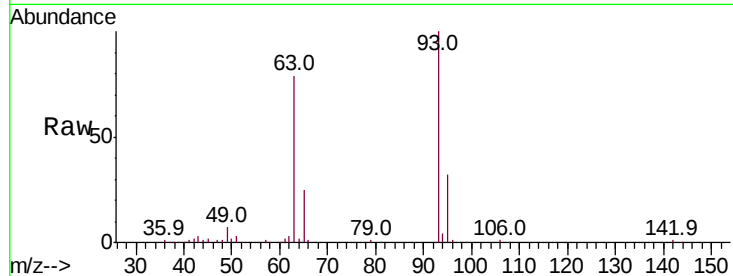




#11
 bis(2-Chloroethyl)ether
 Concen: 25.973 ng
 RT: 6.67 min Scan# 780
 Delta R.T. -0.01 min
 Lab File: BF110715.D
 Acq: 13 Nov 2018 10:49

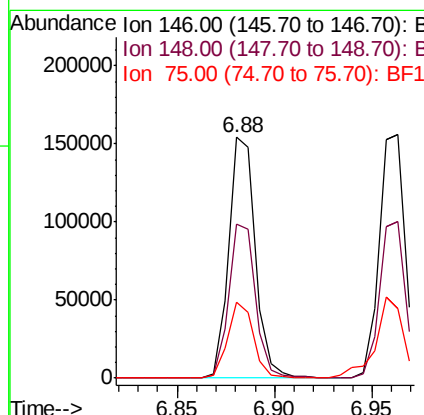
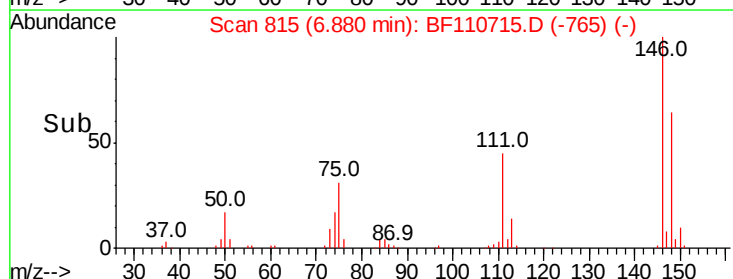
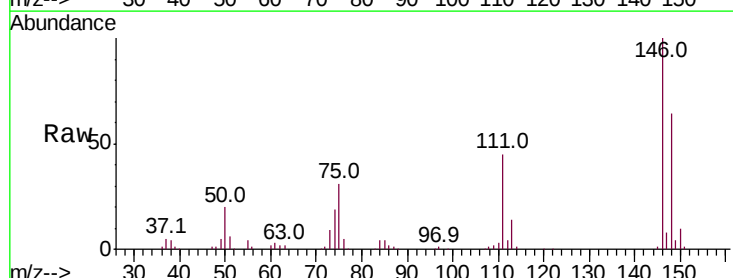
Instrument :
 BNA_F
 ClientSampleId :
 PB114706BS

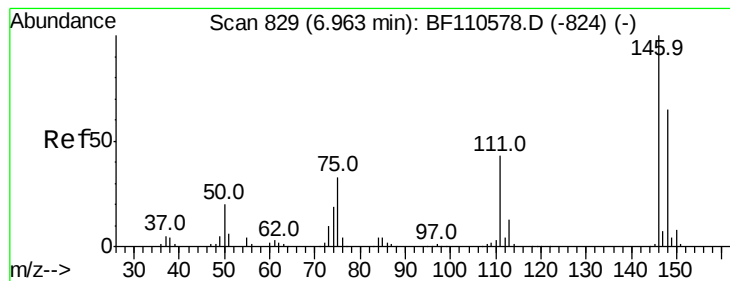
Tot Ion:	93	Resp:	124721
Ion	Ratio	Lower	Upper
93	100		
63	78.9	53.4	93.4
95	32.1	12.1	52.1



#12
 1,3-Dichlorobenzene
 Concen: 26.430 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF110715.D
 Acq: 13 Nov 2018 10:49

Tgt Ion:	146	Resp:	146490
Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.4	75.6
75	31.4	25.8	38.6





#13

1,4-Dichlorobenzene

Concen: 26.480 ng

RT: 6.96 min Scan# 829

Delta R.T. -0.00 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

Instrument :

BNA_F

ClientSampleId :

PB114706BS

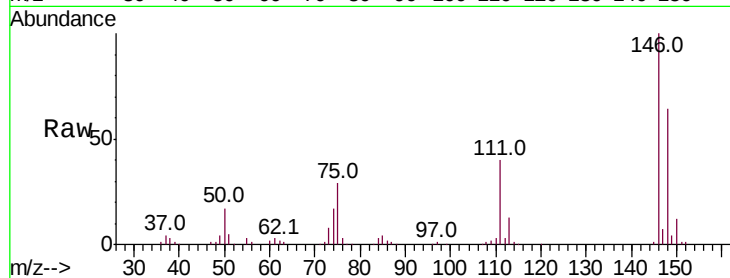
Tot Ion:146 Resp: 149037

Ion Ratio Lower Upper

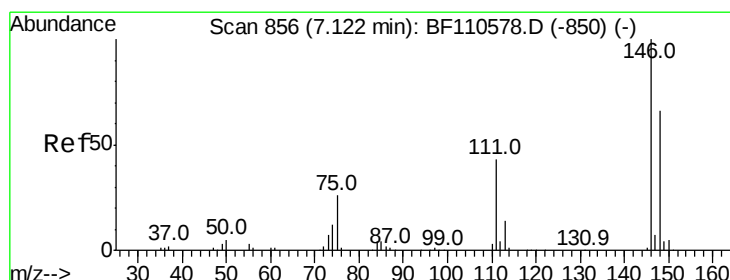
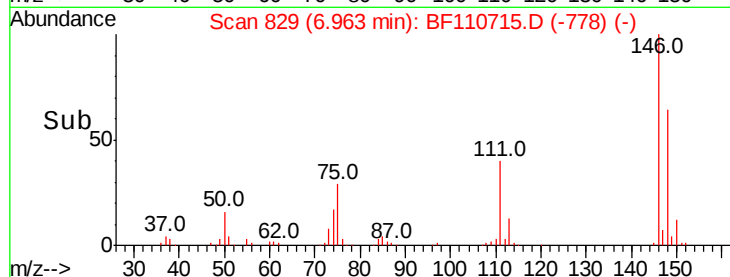
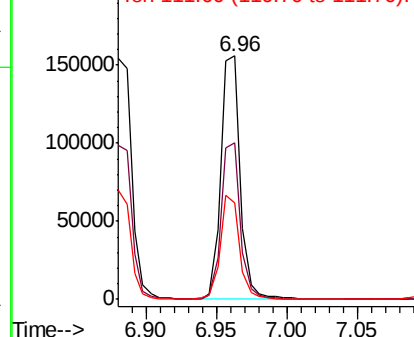
146 100

148 64.4 50.3 75.5

111 39.6 32.7 49.1



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



#14

1,2-Dichlorobenzene

Concen: 26.753 ng

RT: 7.11 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

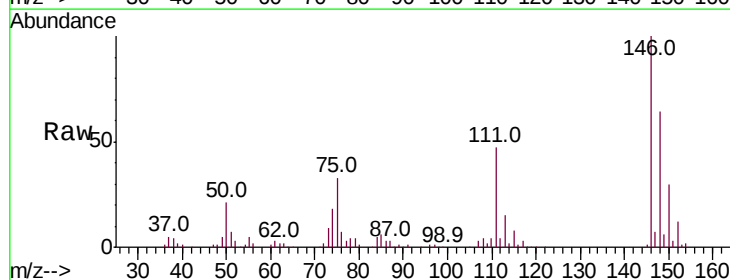
Tgt Ion:146 Resp: 140074

Ion Ratio Lower Upper

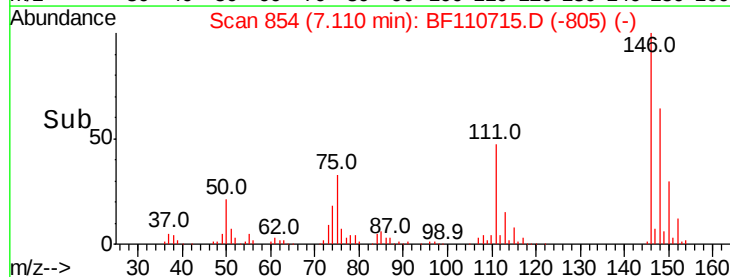
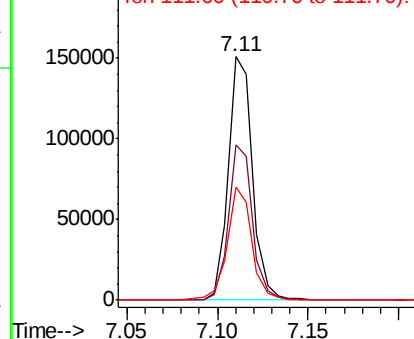
146 100

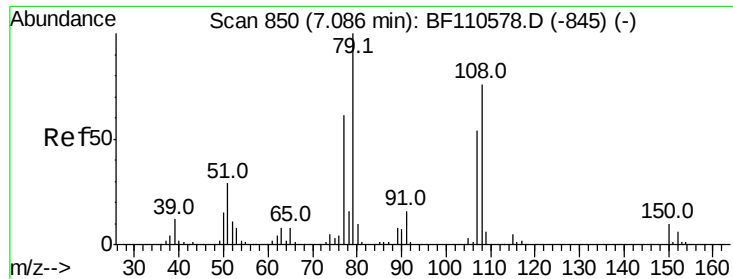
148 63.9 51.1 76.7

111 46.6 35.8 53.6



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





#15

Benzyl Alcohol

Concen: 27.141 ng

RT: 7.08 min Scan# 849

Delta R.T. -0.01 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

Instrument :

BNA_F

ClientSampleId :

PB114706BS

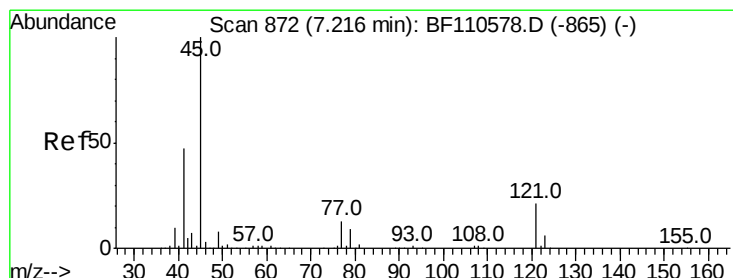
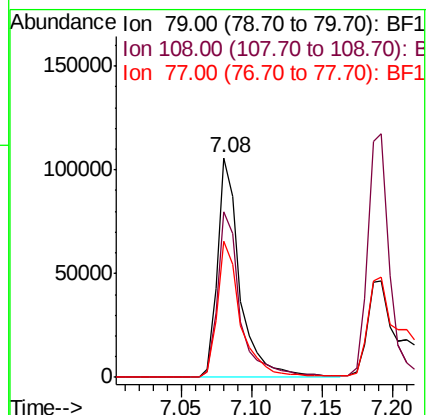
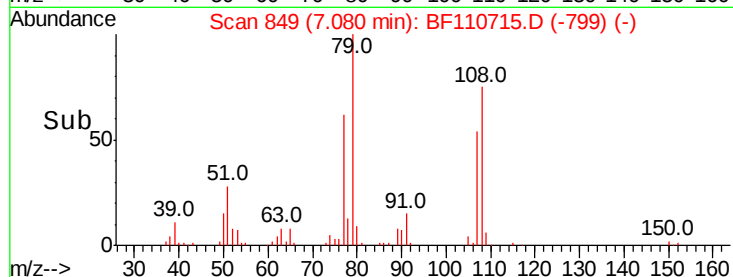
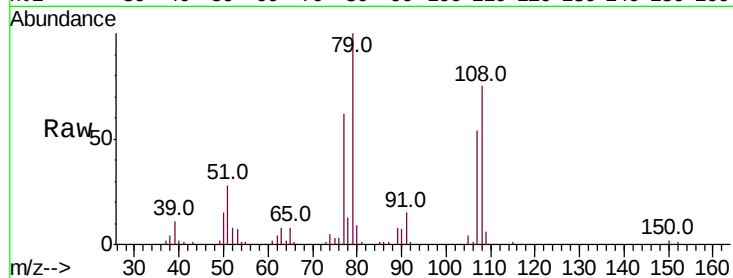
Tot Ion: 79 Resp: 117367

Ion Ratio Lower Upper

79 100

108 75.5 56.3 84.5

77 62.0 52.9 79.3



#16

2,2'-oxybis(1-chloropropane)

Concen: 27.175 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.01 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

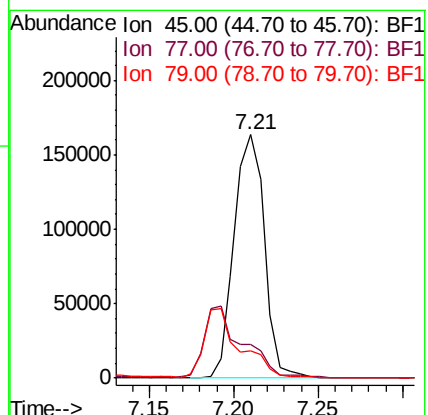
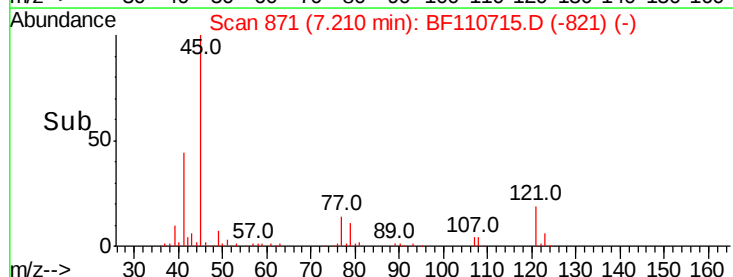
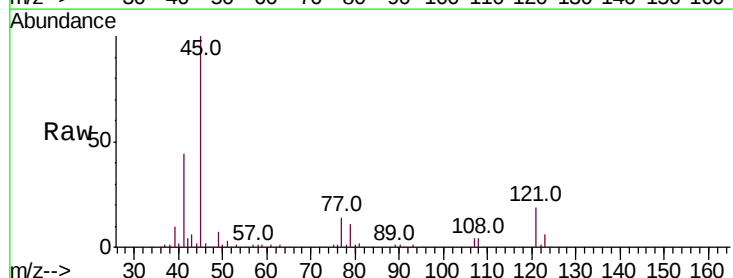
Tgt Ion: 45 Resp: 204924

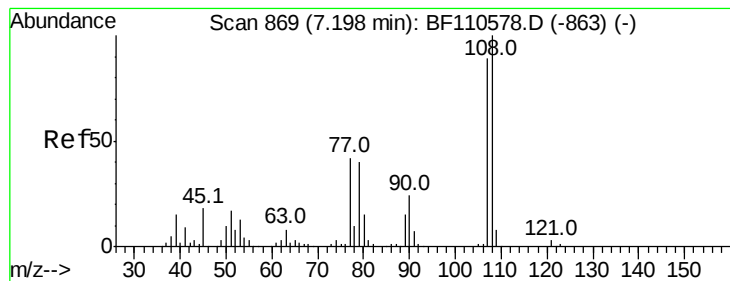
Ion Ratio Lower Upper

45 100

77 14.0 10.0 50.0

79 11.2 6.1 46.1

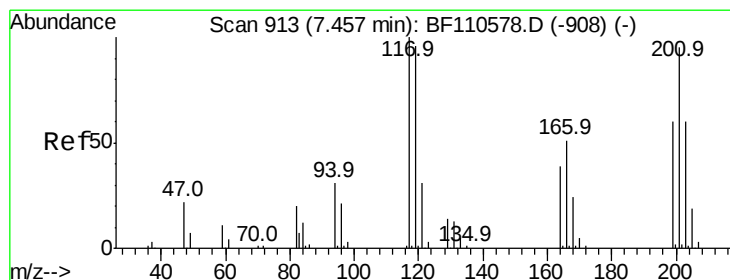
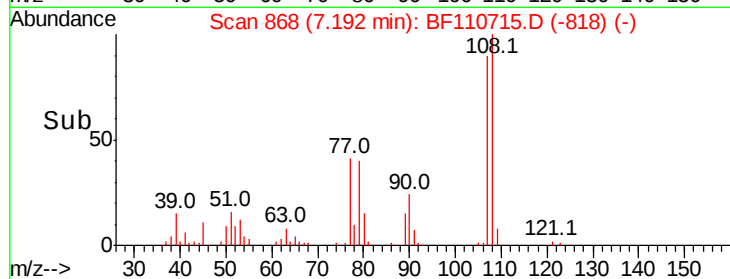
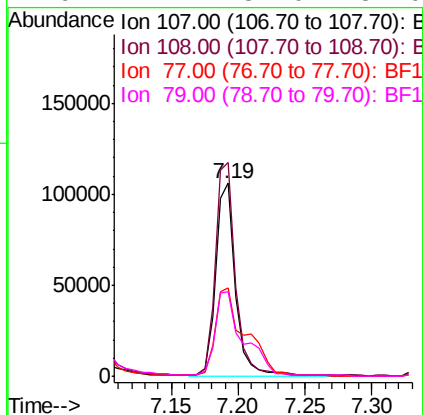
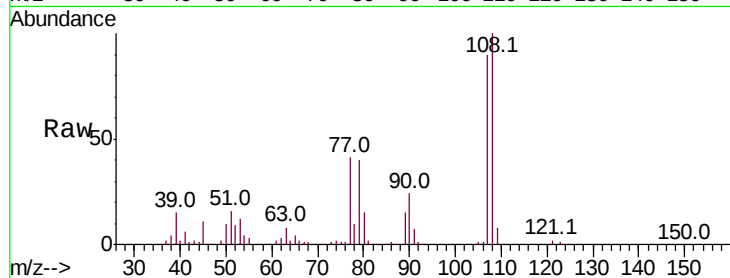




#17
2-Methylphenol
Concen: 27.429 ng
RT: 7.19 min Scan# 868
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

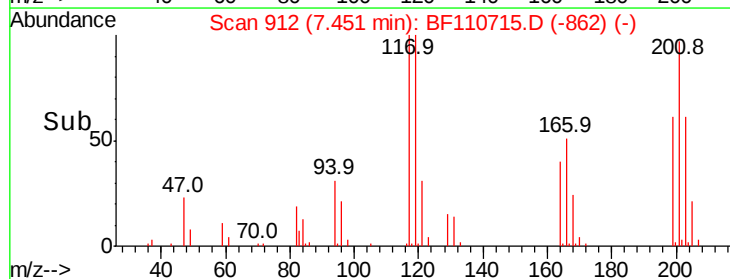
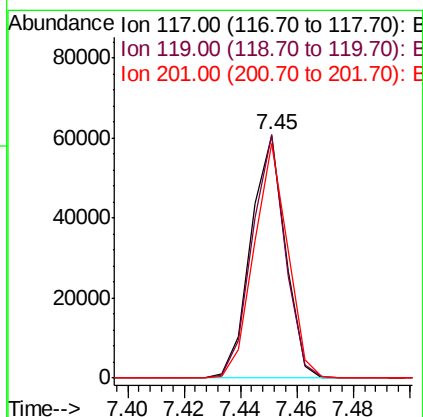
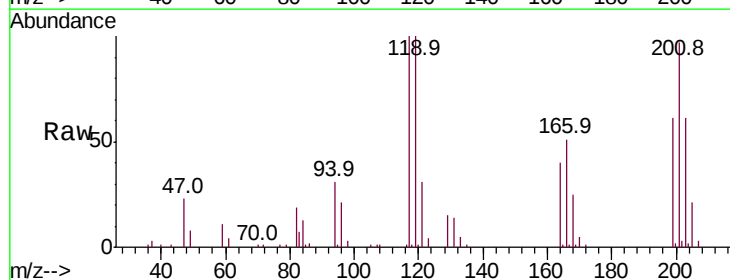
Instrument :
BNA_F
ClientSampleId :
PB114706BS

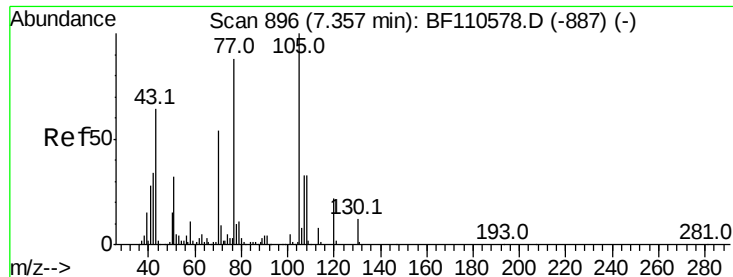
Tot Ion:	107	Resp:	110581
Ion	Ratio	Lower	Upper
107	100		
108	110.6	92.6	138.8
77	45.6	59.4	89.2#
79	44.1	54.0	81.0#



#18
Hexachloroethane
Concen: 24.664 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

Tgt Ion:	117	Resp:	51249
Ion	Ratio	Lower	Upper
117	100		
119	100.4	75.0	112.6
201	97.0	79.2	118.8



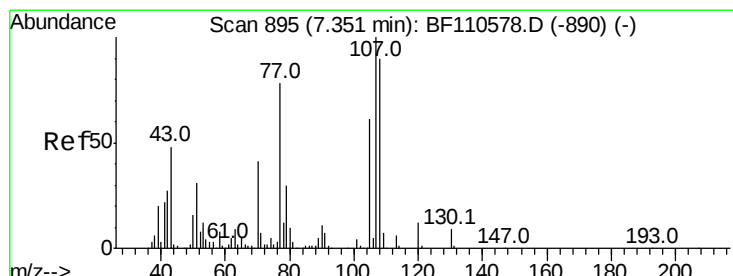
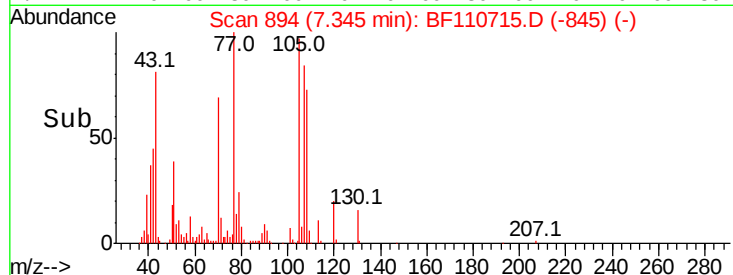
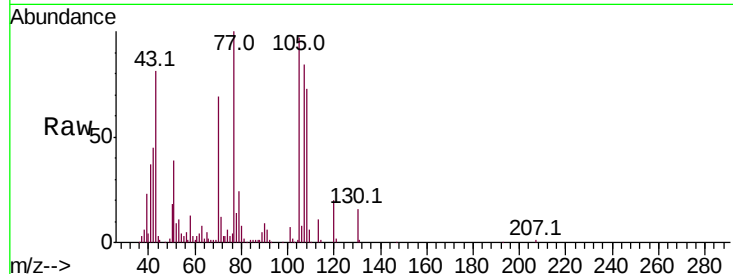
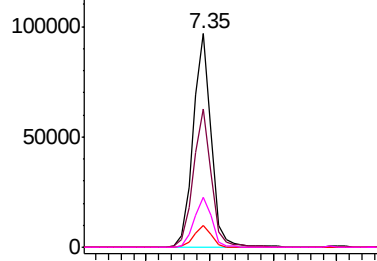


#19
n-Nitroso-di-n-propylamine
Concen: 27.000 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

Instrument :
BNA_F
ClientSampleId :
PB114706BS

Tot Ion:	70	Resp:	95238
Ion	Ratio	Lower	Upper
70	100		
42	65.0	47.4	71.2
101	10.5	7.3	10.9
130	23.3	16.2	24.2

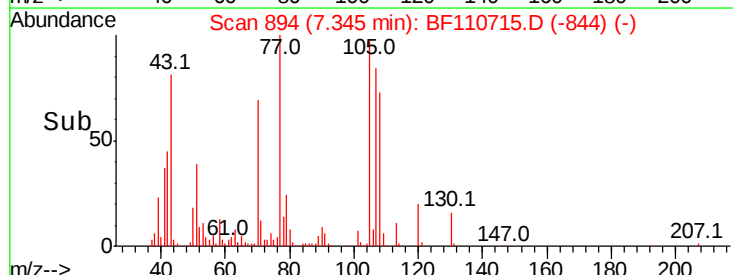
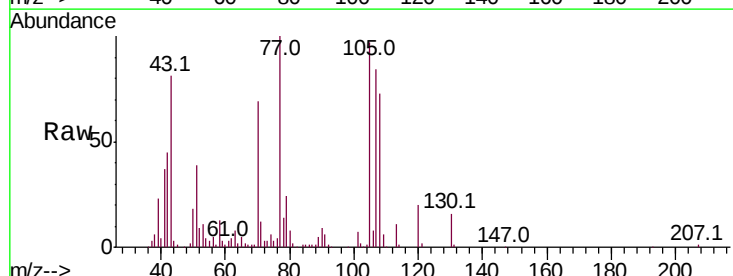
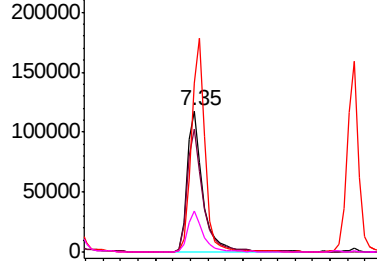
Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

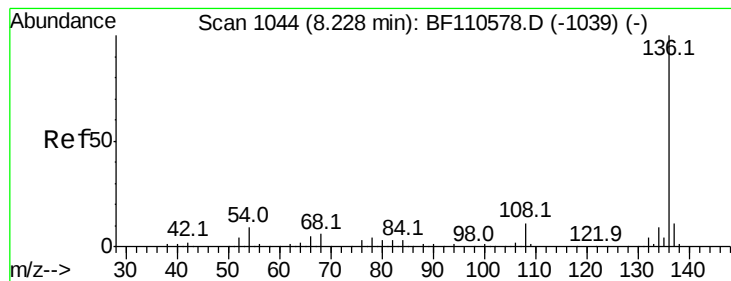


#20
3+4-Methylphenols
Concen: 28.166 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

Tgt Ion:	107	Resp:	145770
Ion	Ratio	Lower	Upper
107	100		
108	87.0	71.4	111.4
77	119.6	47.3	87.3#
79	28.9	10.9	50.9

Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

Instrument :

BNA_F

ClientSampleId :

PB114706BS

Tot Ion:136 Resp: 300106

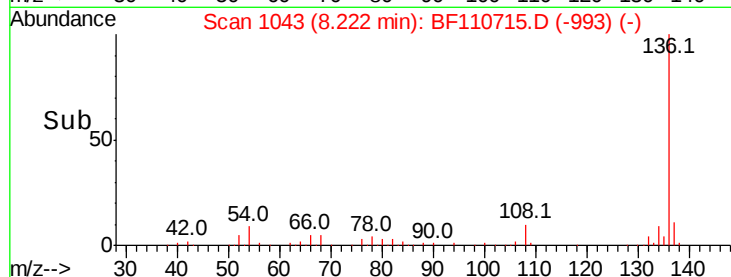
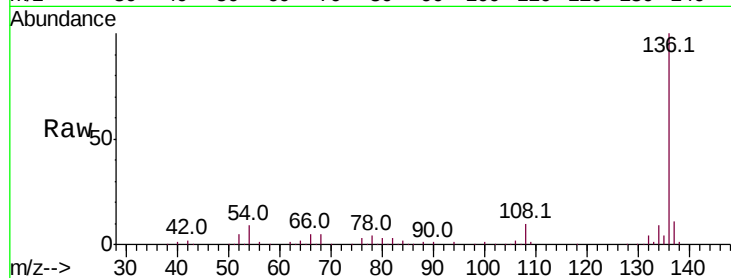
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 8.8 5.4 8.2#

68 5.4 4.2 6.2

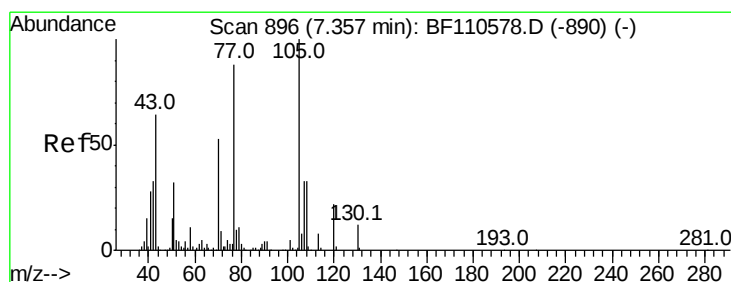
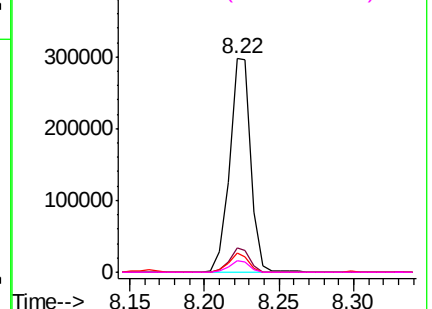


Abundance Ion 136.00 (135.70 to 136.70): E

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: 27.856 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.01 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

Tgt Ion:105 Resp: 194828

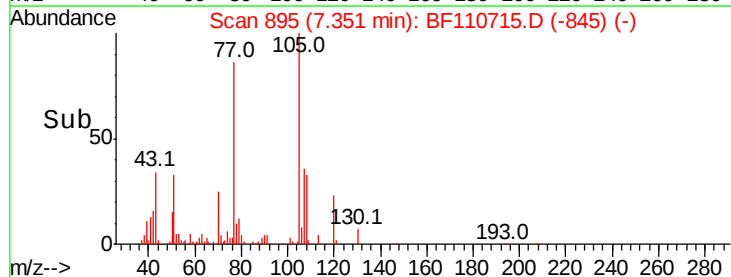
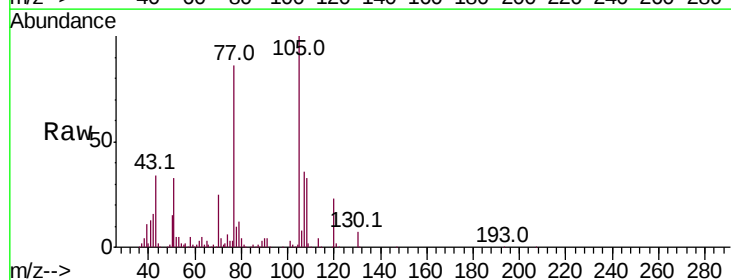
Ion Ratio Lower Upper

105 100

71 4.3 5.2 7.8#

51 32.6 21.8 32.8

120 23.0 17.0 25.4

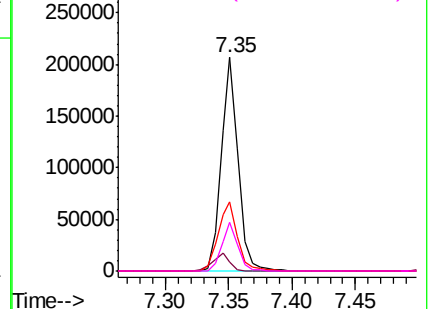


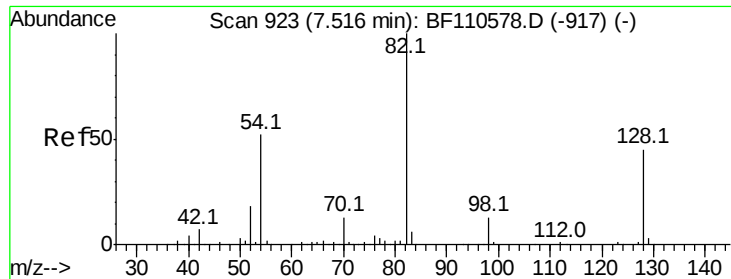
Abundance Ion 105.00 (104.70 to 105.70): E

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

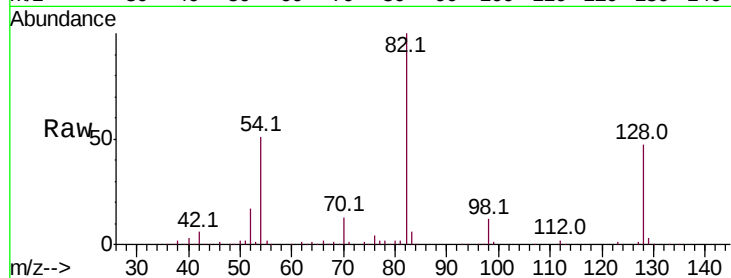




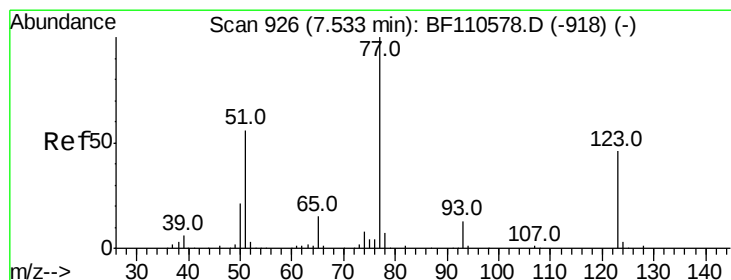
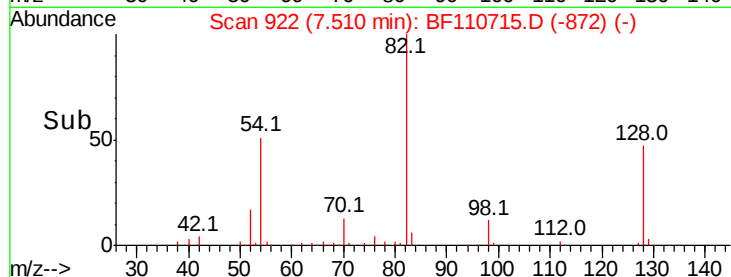
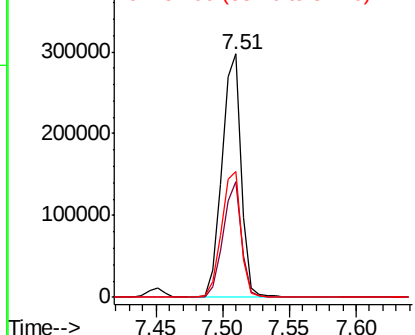
#23
 Nitrobenzene-d5
 Concen: 58.473 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF110715.D
 Acq: 13 Nov 2018 10:49

Instrument :
 BNA_F
 ClientSampleId :
 PB114706BS

Tot Ion	82	Resp	304710
Ion	Ratio	Lower	Upper
82	100		
128	47.2	34.2	51.2
54	51.4	38.6	58.0

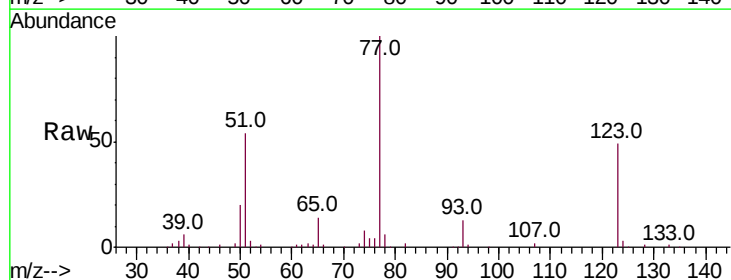


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

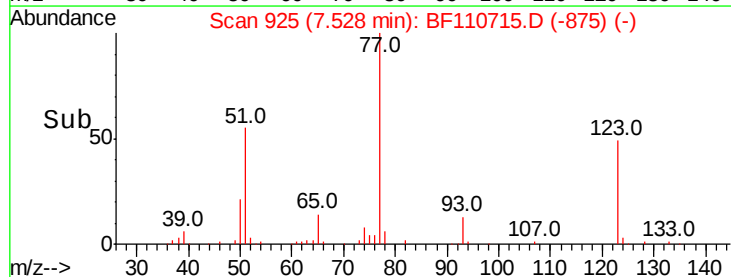
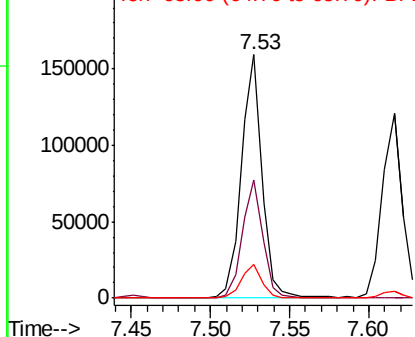


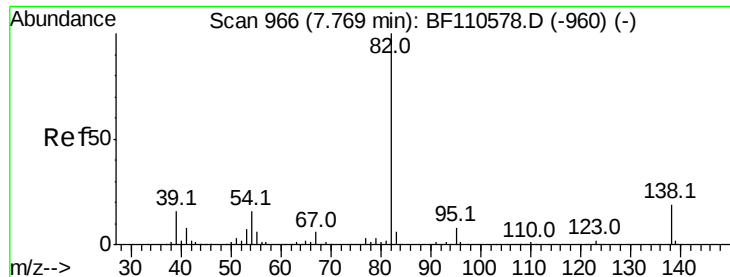
#24
 Nitrobenzene
 Concen: 26.637 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: BF110715.D
 Acq: 13 Nov 2018 10:49

Tgt Ion	77	Resp	142216
Ion	Ratio	Lower	Upper
77	100		
123	48.8	35.7	53.5
65	14.0	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: 30.226 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

Instrument :

BNA_F

ClientSampleId :

PB114706BS

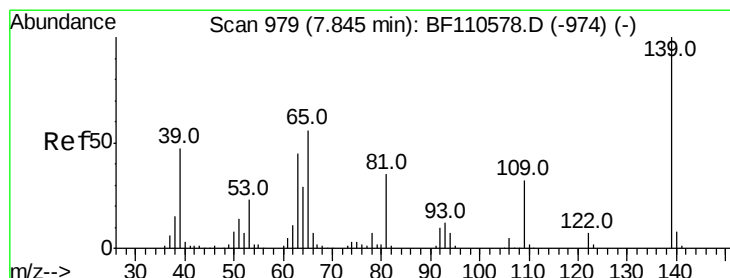
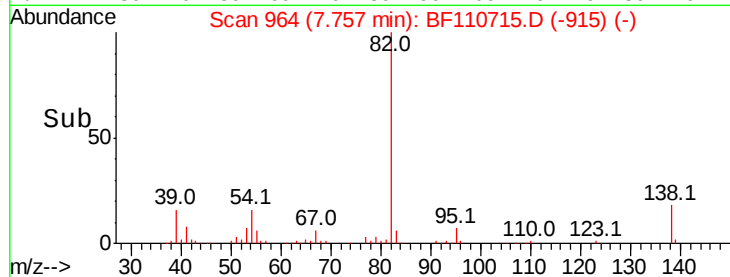
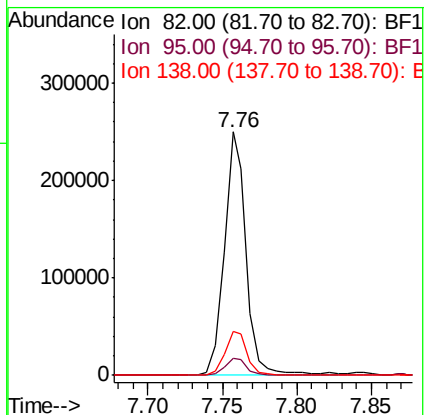
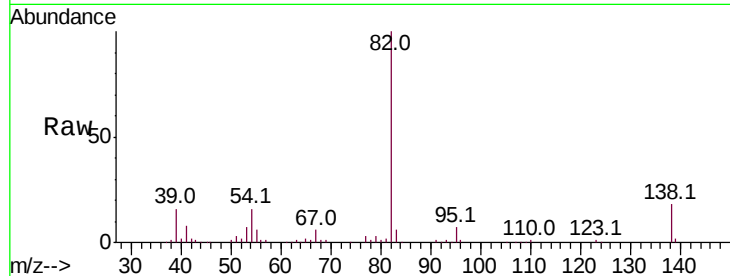
Tot Ion: 82 Resp: 258166

Ion Ratio Lower Upper

82 100

95 7.1 5.7 8.5

138 18.0 13.2 19.8



#26

2-Nitrophenol

Concen: 24.245 ng

RT: 7.85 min Scan# 979

Delta R.T. -0.00 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

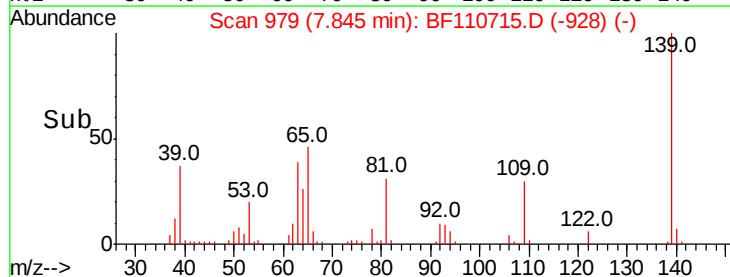
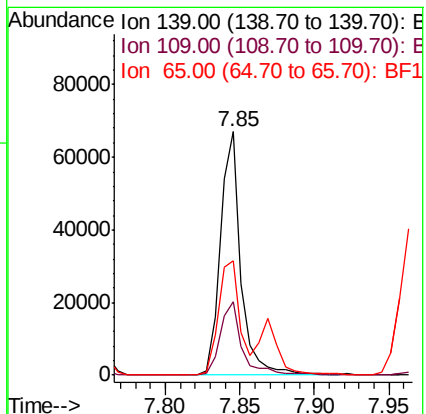
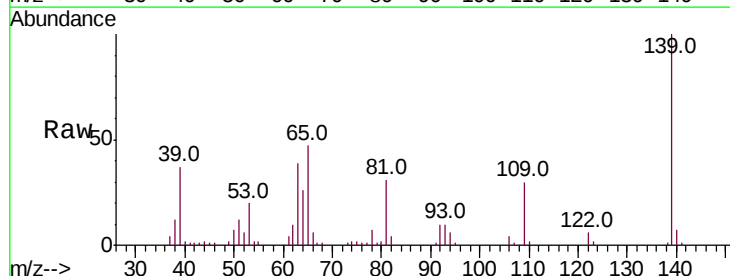
Tgt Ion: 139 Resp: 64579

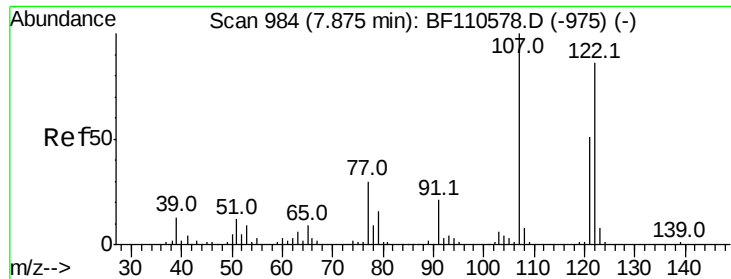
Ion Ratio Lower Upper

139 100

109 30.0 25.0 37.6

65 46.8 44.0 66.0

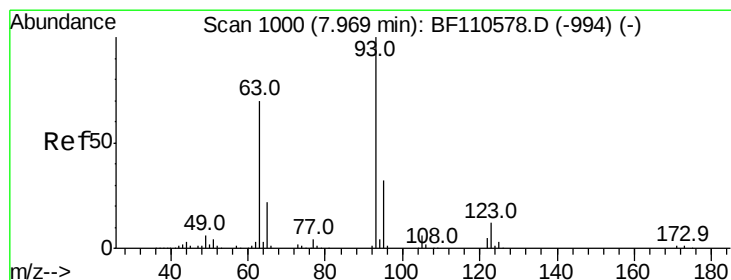
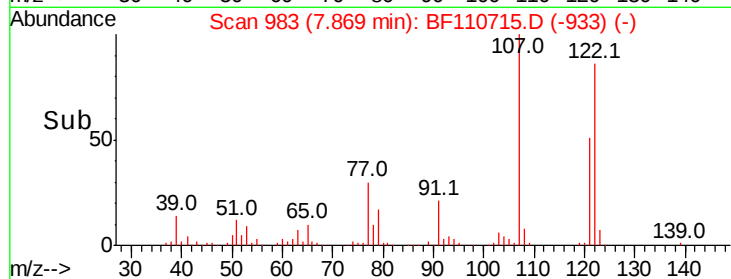
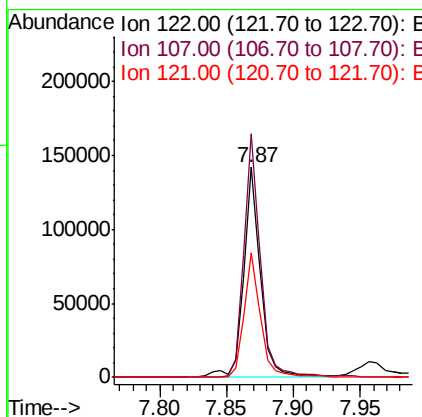
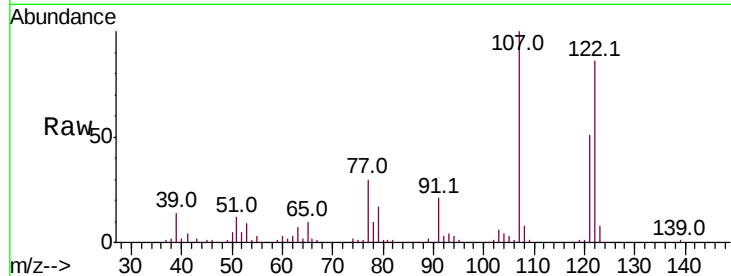




#27
2,4-Dimethylphenol
Concen: 30.723 ng
RT: 7.87 min Scan# 983
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

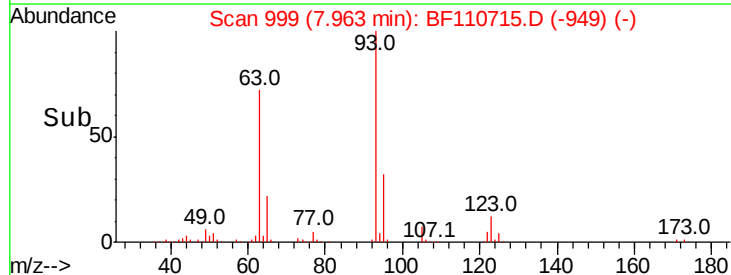
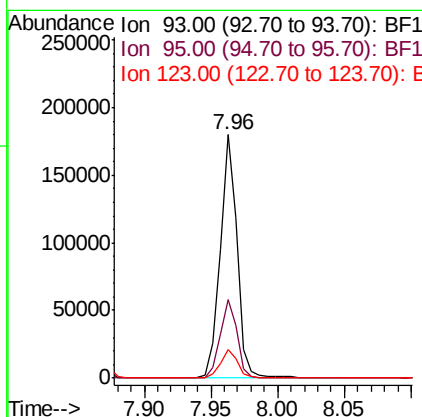
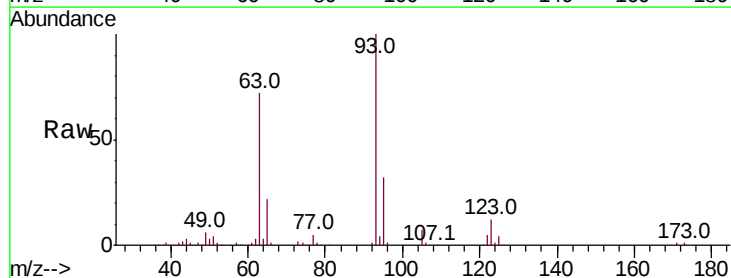
Instrument :
BNA_F
ClientSampleId :
PB114706BS

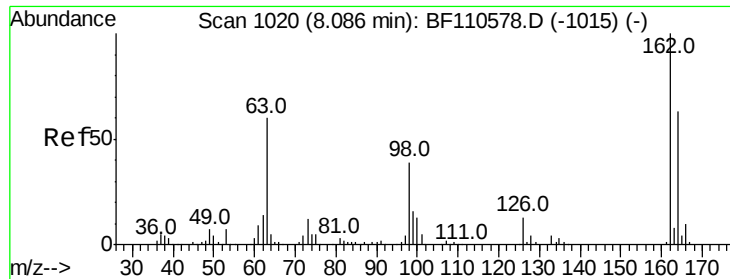
Tot Ion:122 Resp: 124629
Ion Ratio Lower Upper
122 100
107 116.0 92.5 138.7
121 59.2 45.8 68.8



#28
bis(2-Chloroethoxy)methane
Concen: 27.975 ng
RT: 7.96 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

Tgt Ion: 93 Resp: 161778
Ion Ratio Lower Upper
93 100
95 32.5 26.4 39.6
123 11.9 9.0 13.6

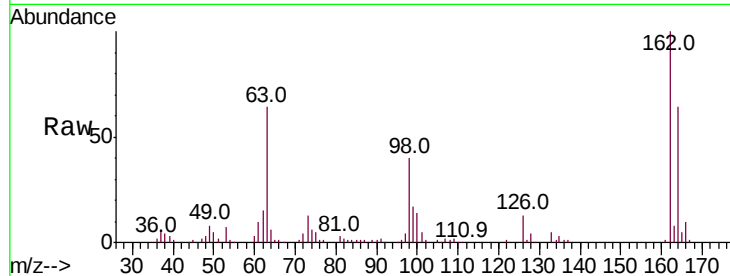




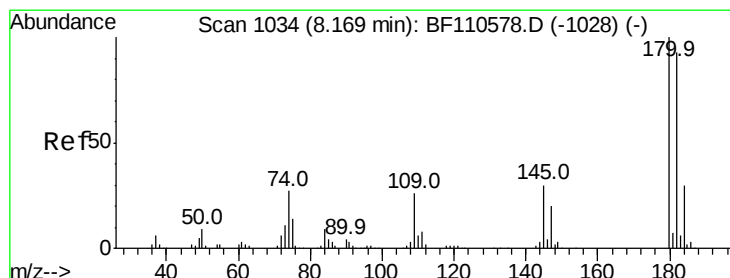
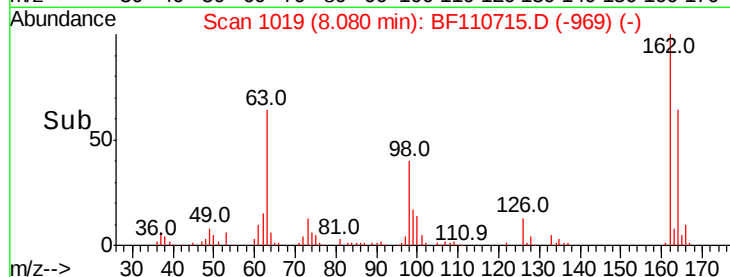
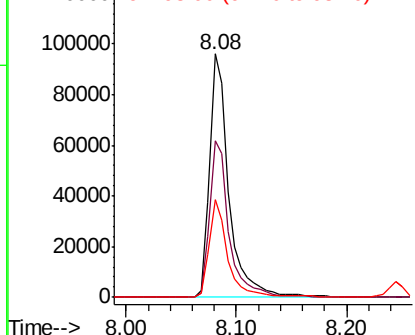
#29
 2,4-Dichlorophenol
 Concen: 27.301 ng
 RT: 8.08 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BF110715.D
 Acq: 13 Nov 2018 10:49

Instrument :
 BNA_F
 ClientSampleId :
 PB114706BS

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.5	44.6	84.6
98	40.0	17.4	57.4

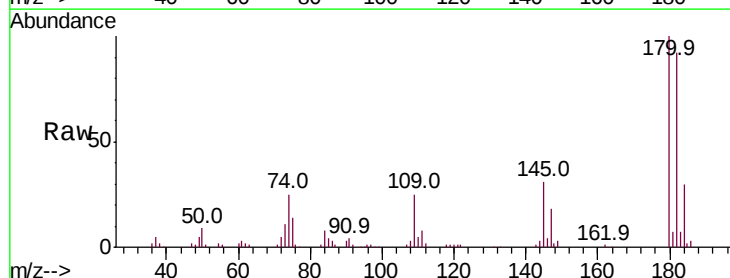


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

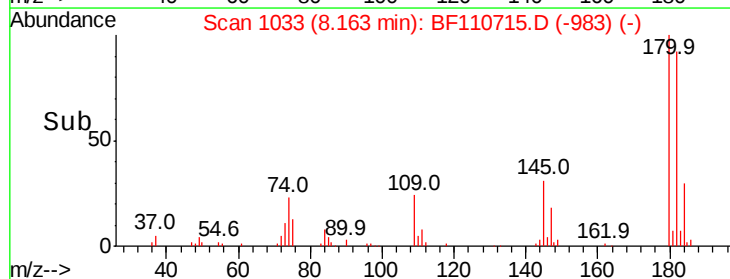
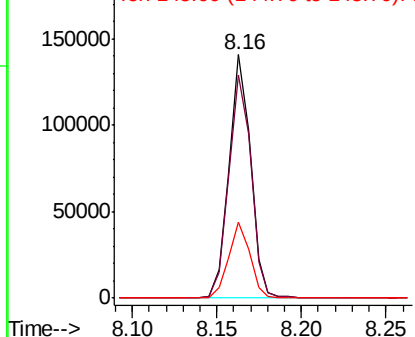


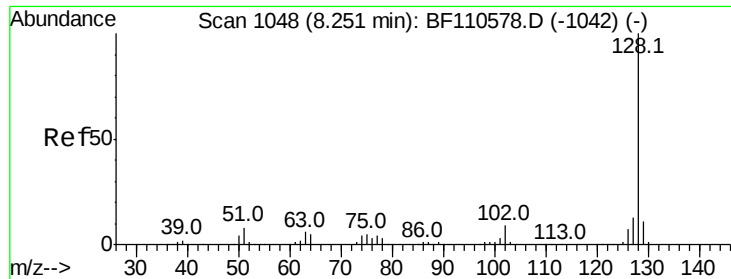
#30
 1,2,4-Trichlorobenzene
 Concen: 26.699 ng
 RT: 8.16 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BF110715.D
 Acq: 13 Nov 2018 10:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.6	80.3	120.5
145	31.0	25.4	38.0



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

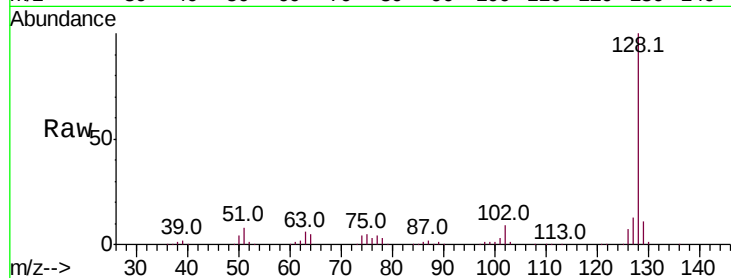




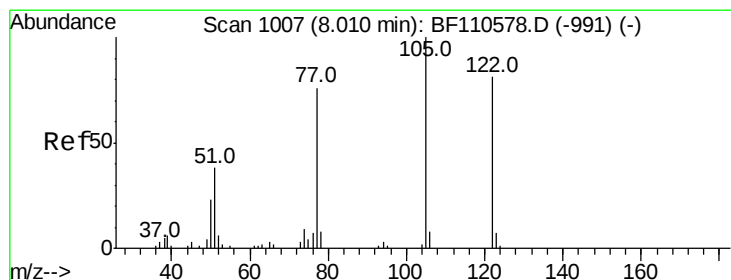
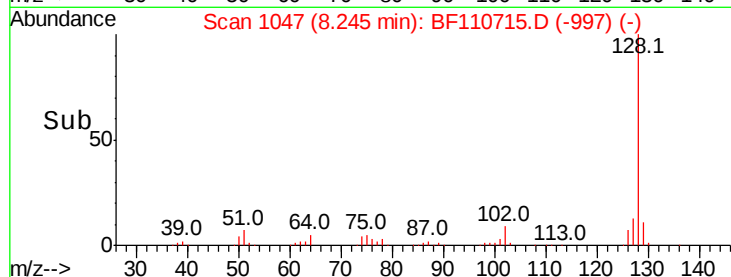
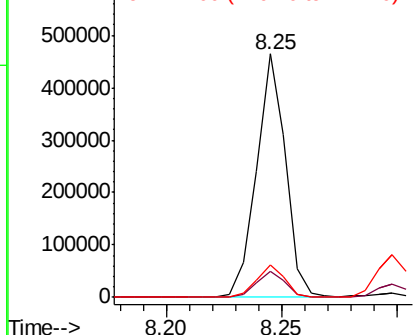
#31
Naphthalene
Concen: 28.993 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

Instrument :
BNA_F
ClientSampleId :
PB114706BS

Tot Ion:128 Resp: 408468
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 13.4 10.8 16.2

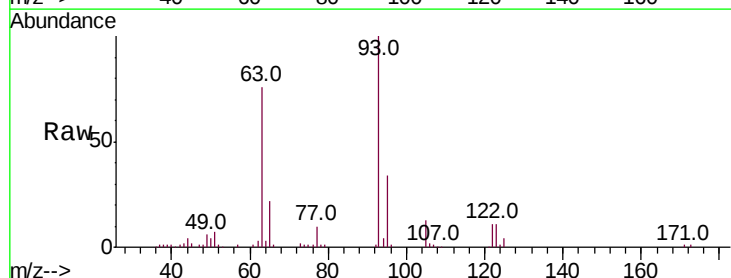


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

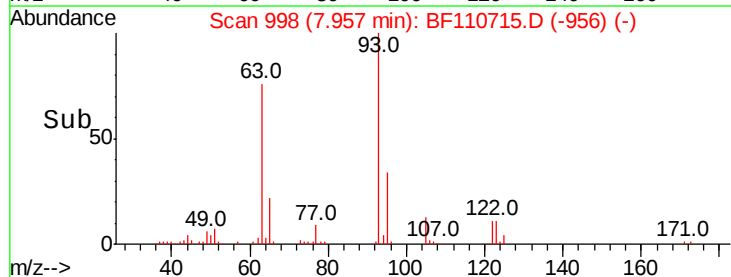
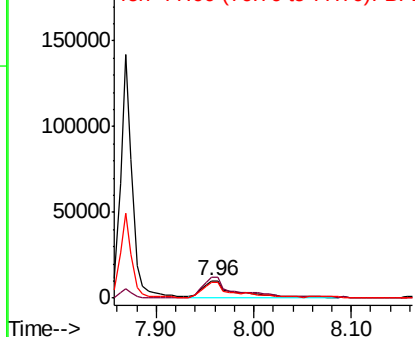


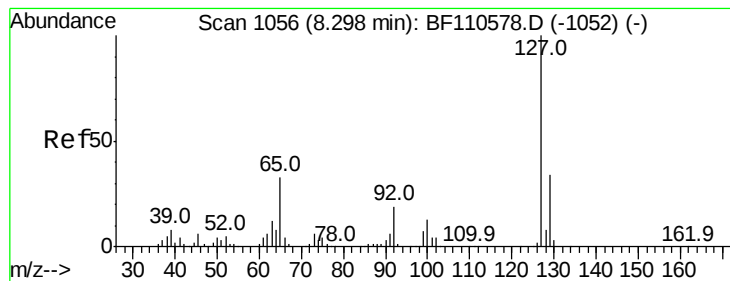
#32
Benzoic acid
Concen: 7.471 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.05 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

Tgt Ion:122 Resp: 21443
Ion Ratio Lower Upper
122 100
105 119.3 109.0 149.0
77 91.3 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: 14.173 ng

RT: 8.30 min Scan# 1056

Delta R.T. -0.00 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

Instrument :

BNA_F

ClientSampleId :

PB114706BS

Tot Ion:127 Resp: 90443

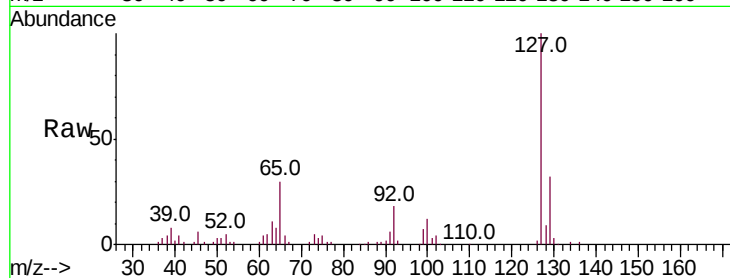
Ion Ratio Lower Upper

127 100

129 32.3 26.0 39.0

65 29.8 25.1 37.7

92 18.4 15.0 22.6

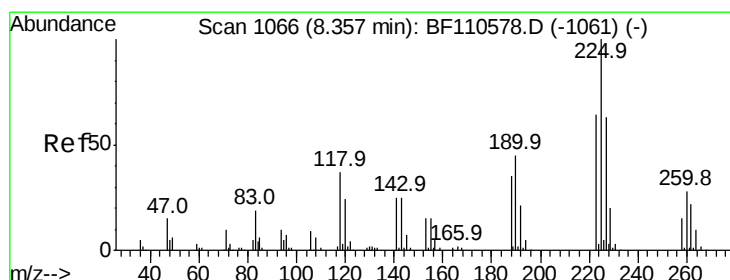
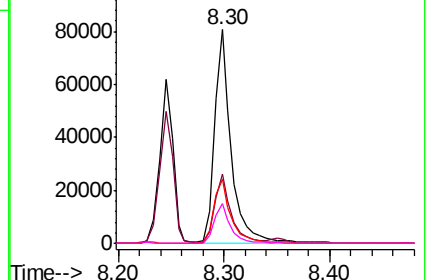
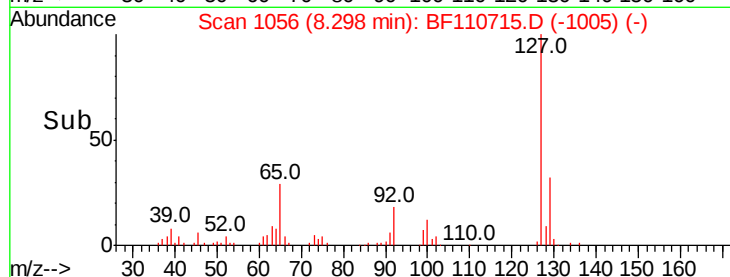


Abundance Ion 127.00 (126.70 to 127.70): E

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: 25.756 ng

RT: 8.35 min Scan# 1065

Delta R.T. -0.01 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

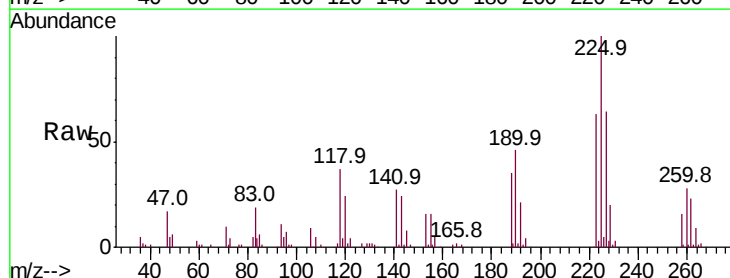
Tgt Ion:225 Resp: 69233

Ion Ratio Lower Upper

225 100

223 62.6 51.4 77.2

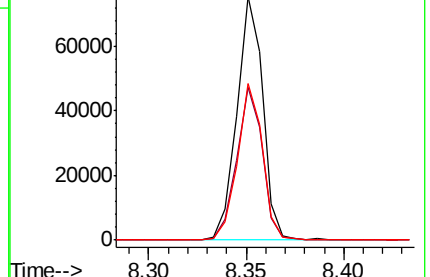
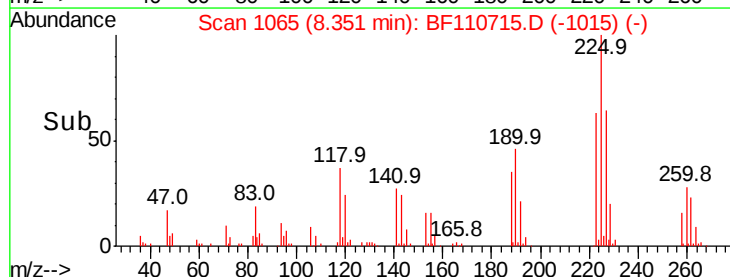
227 64.3 51.0 76.6

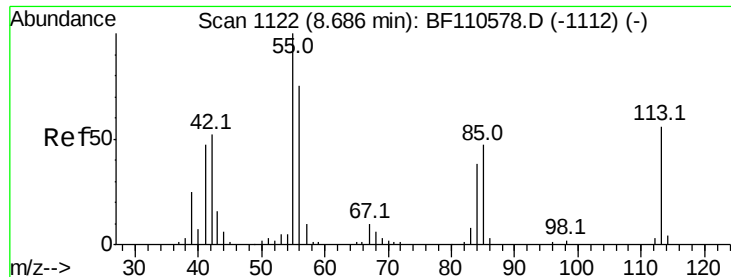


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

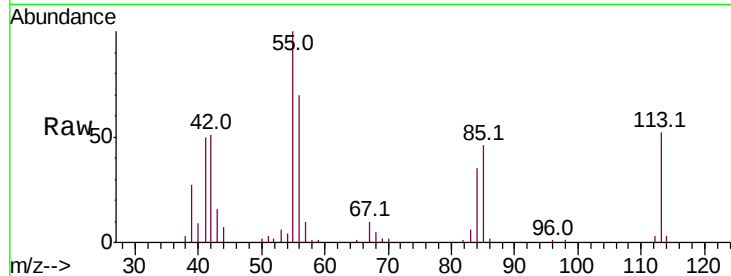




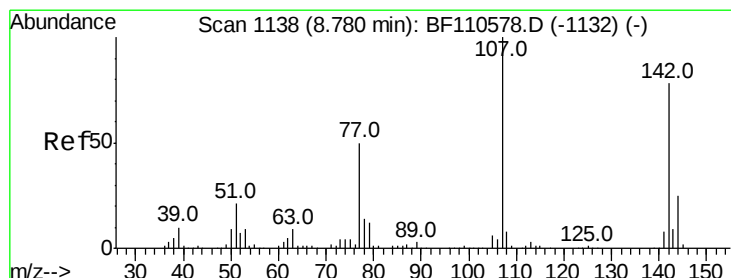
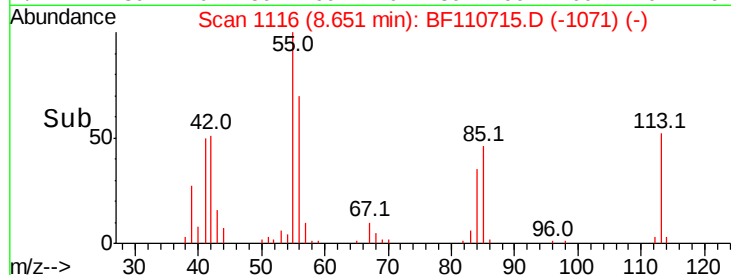
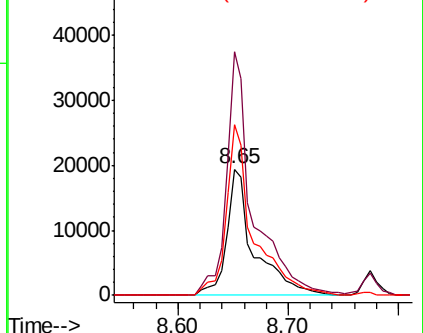
#35
 Caprolactam
 Concen: 24.193 ng
 RT: 8.65 min Scan# 1116
 Delta R.T. -0.04 min
 Lab File: BF110715.D
 Acq: 13 Nov 2018 10:49

Instrument :
 BNA_F
 ClientSampleId :
 PB114706BS

Tot Ion:113 Resp: 33737
 Ion Ratio Lower Upper
 113 100
 55 193.4 142.8 182.8#
 56 135.7 105.0 145.0

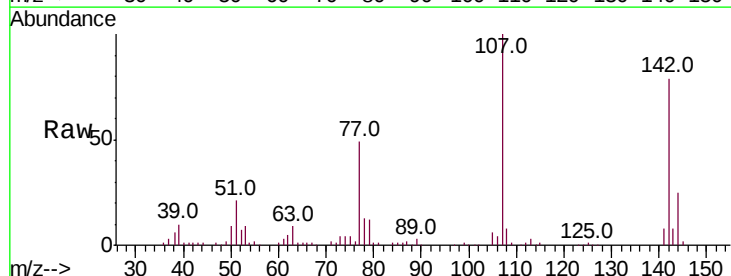


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

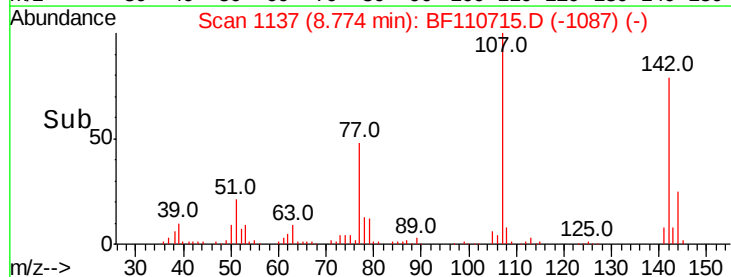
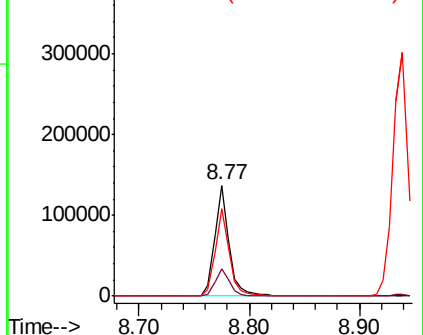


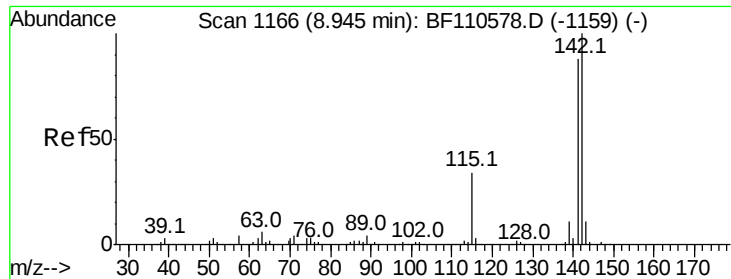
#36
 4-Chloro-3-methylphenol
 Concen: 27.443 ng
 RT: 8.77 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: BF110715.D
 Acq: 13 Nov 2018 10:49

Tgt Ion:107 Resp: 123539
 Ion Ratio Lower Upper
 107 100
 144 24.7 20.0 30.0
 142 79.4 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

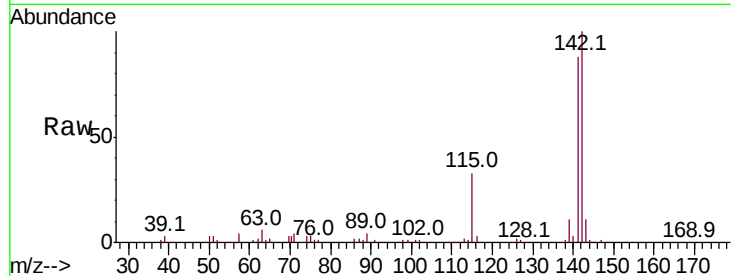




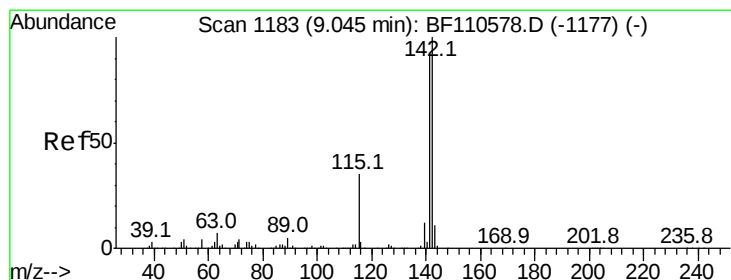
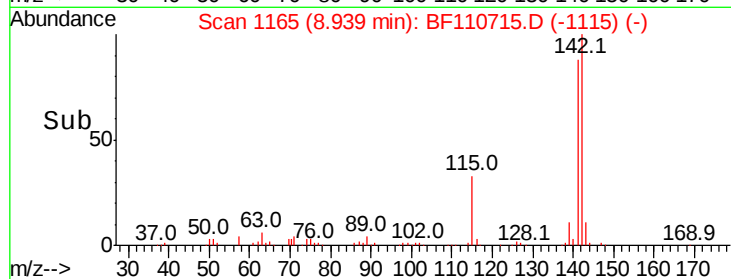
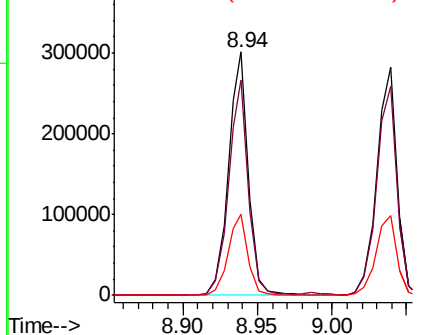
#37
2-Methylnaphthalene
Concen: 30.744 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

Instrument :
BNA_F
ClientSampleId :
PB114706BS

Tot Ion:142 Resp: 283938
Ion Ratio Lower Upper
142 100
141 88.5 71.4 107.2
115 33.4 28.7 43.1

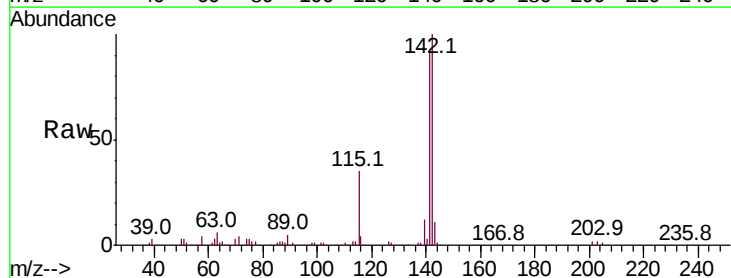


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

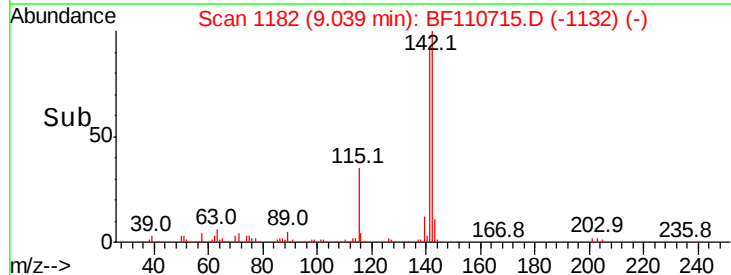
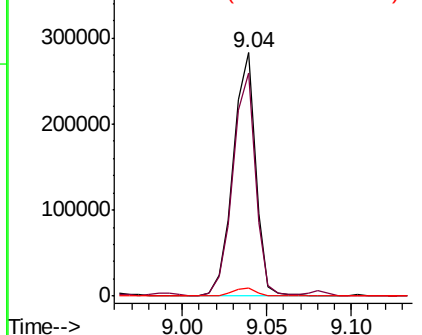


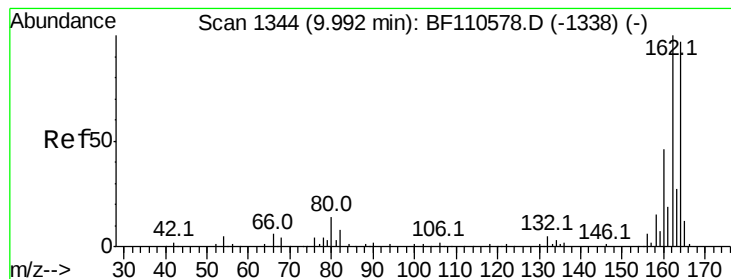
#38
1-Methylnaphthalene
Concen: 29.294 ng
RT: 9.04 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

Tgt Ion:142 Resp: 260190
Ion Ratio Lower Upper
142 100
141 91.7 74.2 111.4
116 3.6 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: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

Instrument :

BNA_F

ClientSampleId :

PB114706BS

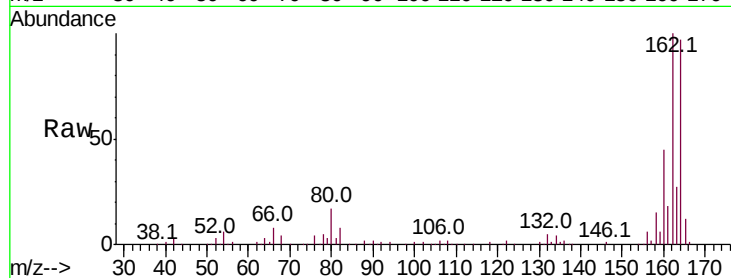
Tot Ion:164 Resp: 141813

Ion Ratio Lower Upper

164 100

162 103.2 83.0 124.6

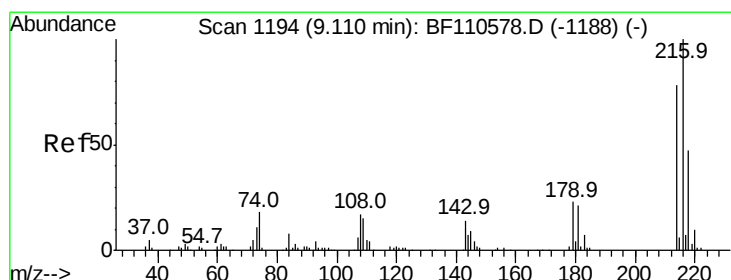
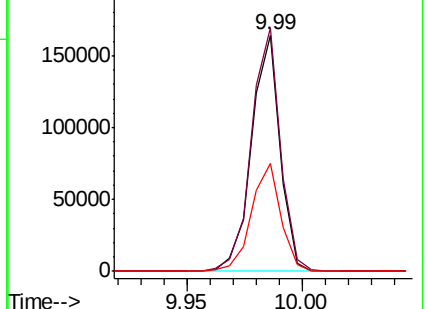
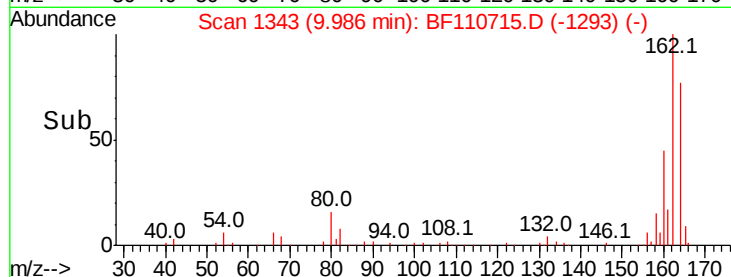
160 46.0 37.0 55.6



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: 26.512 ng

RT: 9.10 min Scan# 1193

Delta R.T. -0.01 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

Tgt Ion:216 Resp: 119011

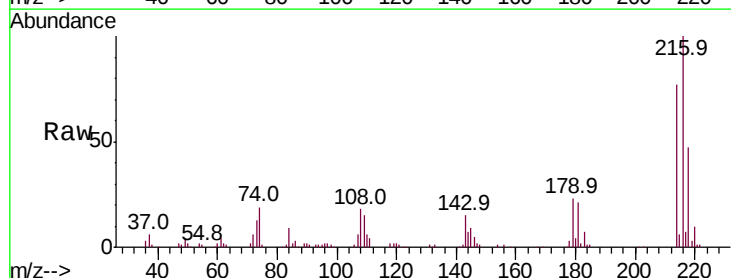
Ion Ratio Lower Upper

216 100

214 78.2 63.8 95.6

179 22.4 16.6 25.0

108 18.6 15.1 22.7

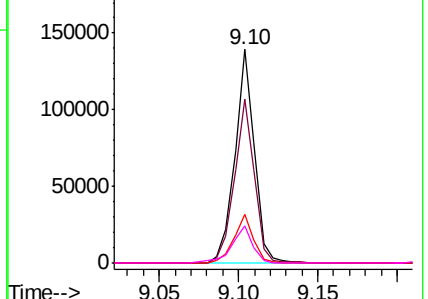
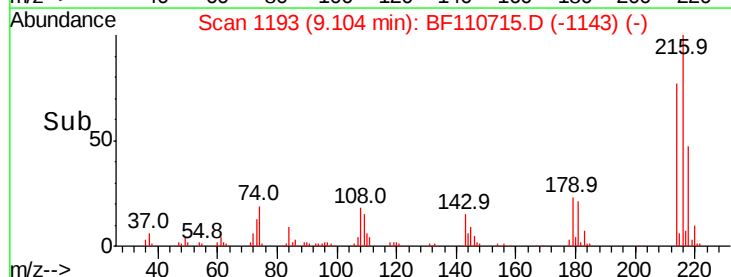


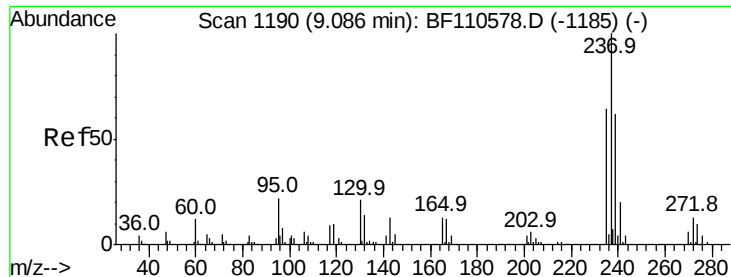
Abundance Ion 216.00 (215.70 to 216.70): E

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: 23.751 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

Instrument :

BNA_F

ClientSampleId :

PB114706BS

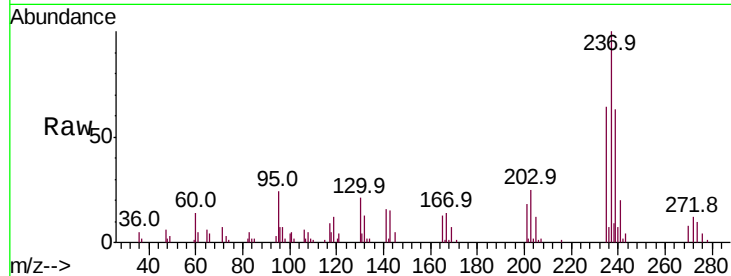
Tot Ion:237 Resp: 31194

Ion Ratio Lower Upper

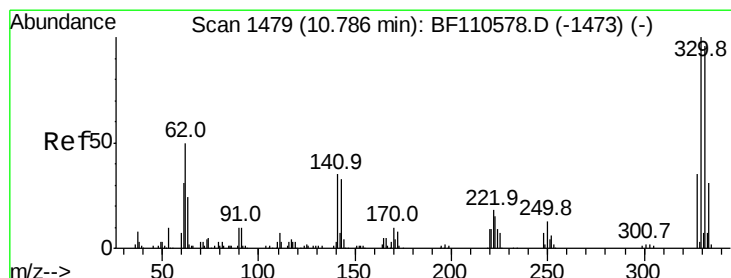
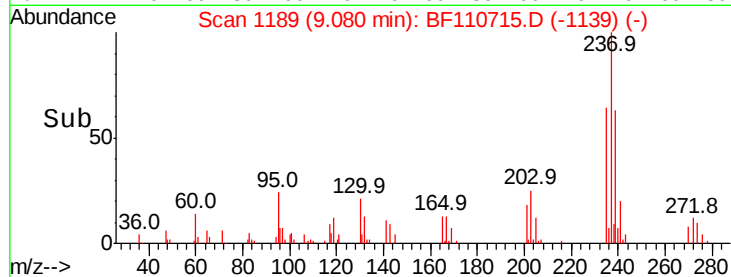
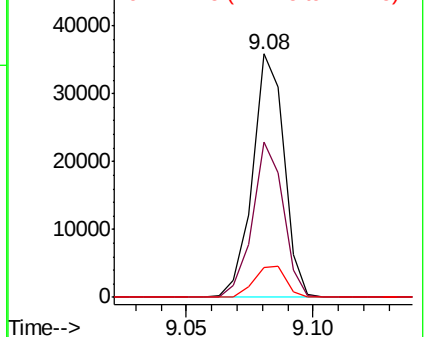
237 100

235 63.9 43.1 83.1

272 12.3 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: 52.658 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

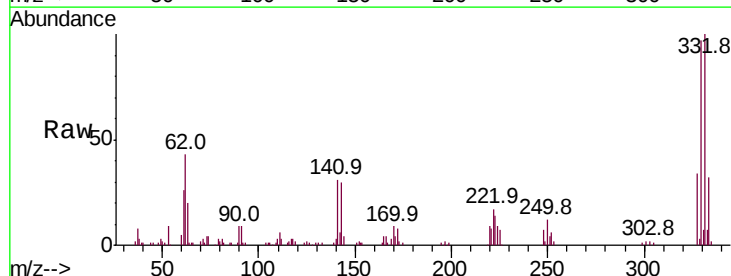
Tgt Ion:330 Resp: 75245

Ion Ratio Lower Upper

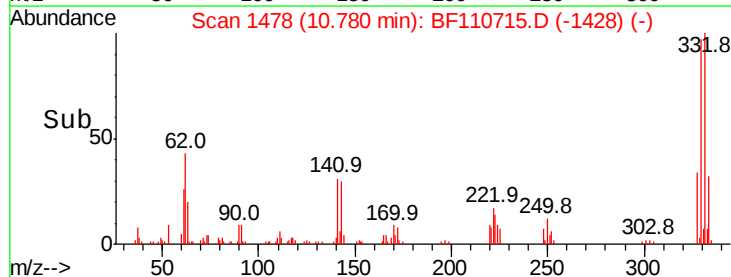
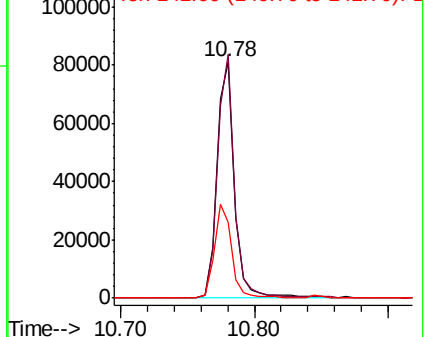
330 100

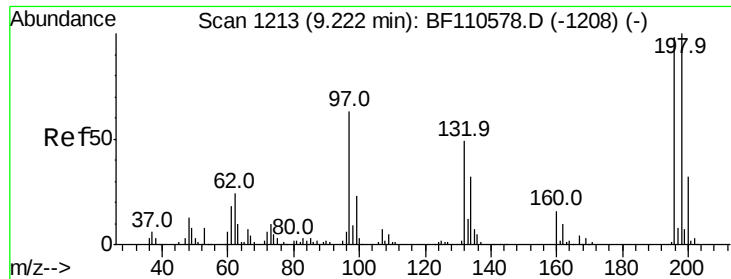
332 99.6 77.1 115.7

141 38.8 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

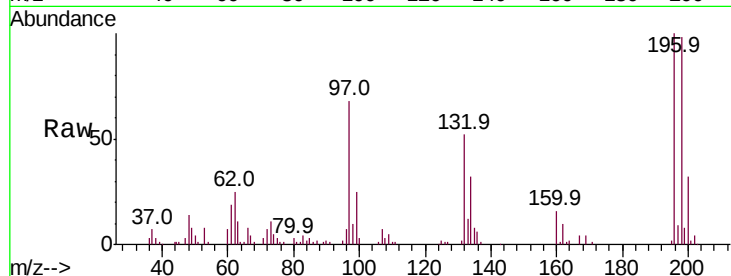




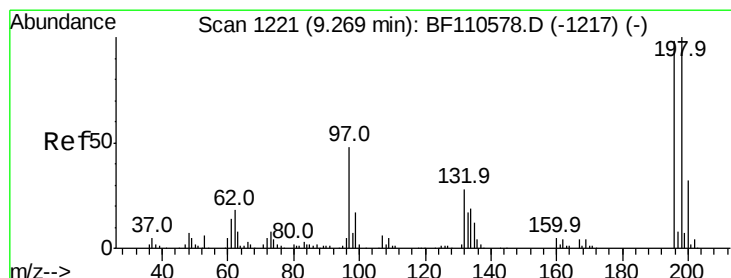
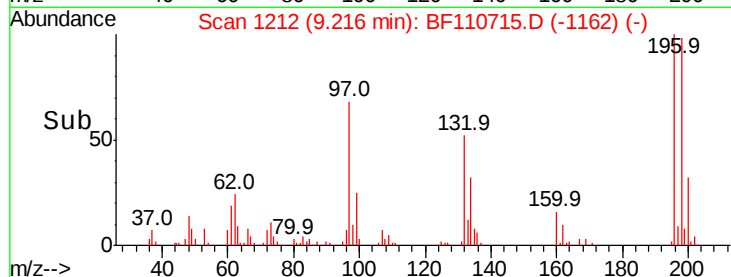
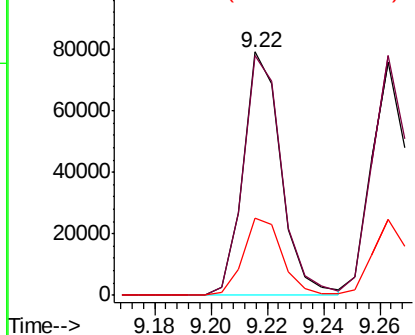
#43
 2,4,6-Trichlorophenol
 Concen: 26.222 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF110715.D
 Acq: 13 Nov 2018 10:49

Instrument :
 BNA_F
 ClientSampleId :
 PB114706BS

Tot Ion:196 Resp: 73968
 Ion Ratio Lower Upper
 196 100
 198 98.3 76.2 114.4
 200 31.8 24.4 36.6



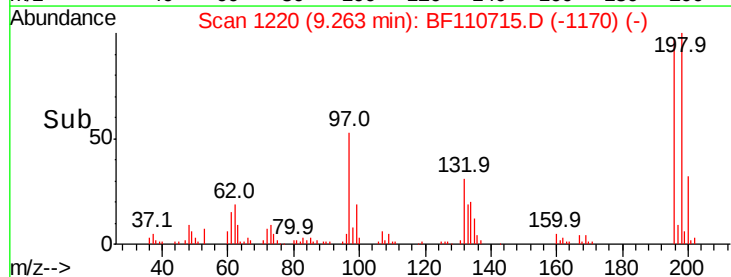
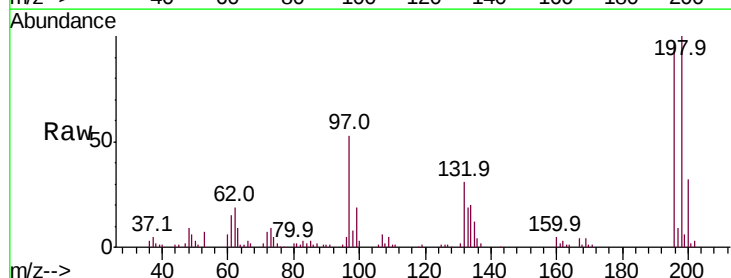
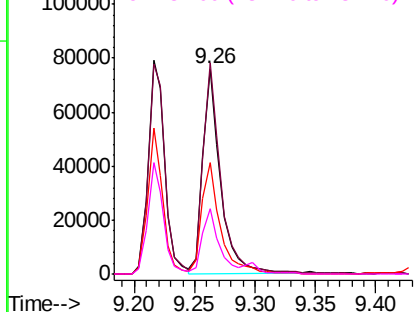
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

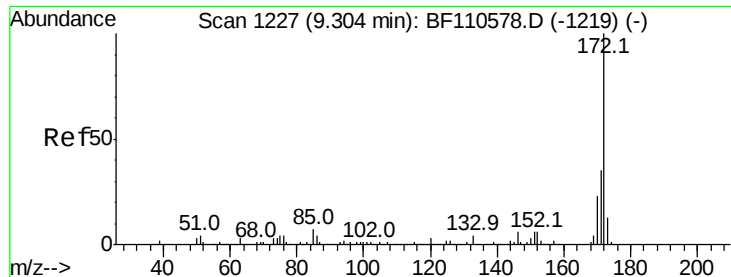


#44
 2,4,5-Trichlorophenol
 Concen: 26.021 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: BF110715.D
 Acq: 13 Nov 2018 10:49

Tgt Ion:196 Resp: 78297
 Ion Ratio Lower Upper
 196 100
 198 102.7 75.8 113.6
 97 54.3 42.4 63.6
 132 31.5 22.8 34.2

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

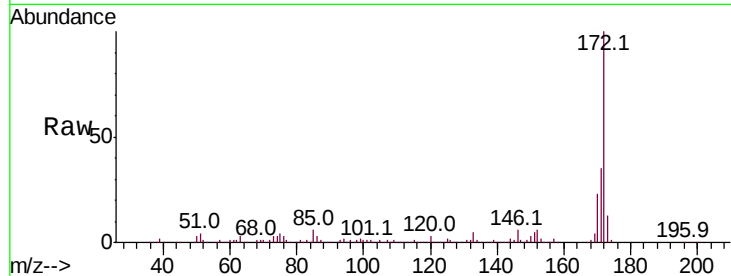




#45
2-Fluorobiphenyl
Concen: 61.730 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

Instrument :
BNA_F
ClientSampleId :
PB114706BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	43.0
170	23.5	19.7	29.5

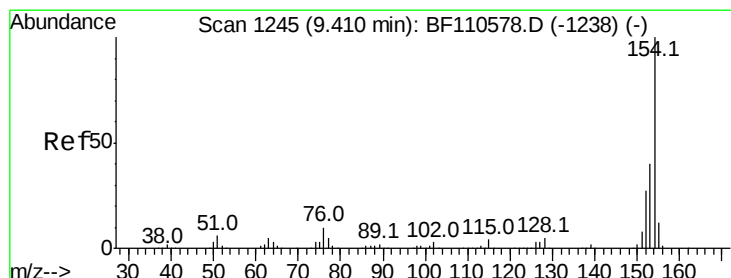
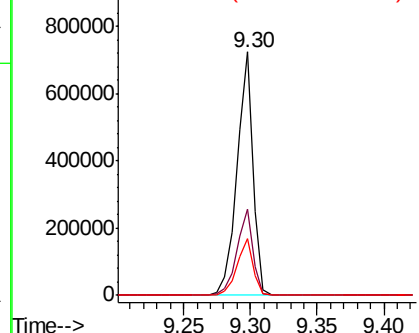
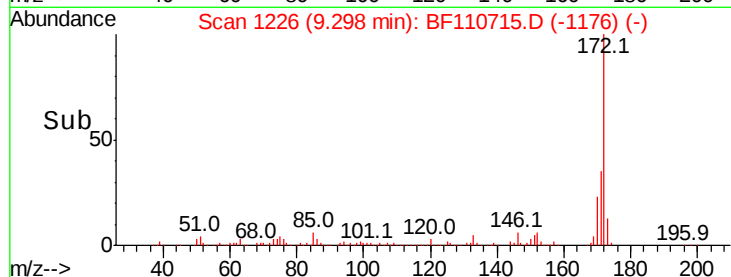


Abundance

Ion 172.00 (171.70 to 172.70): E

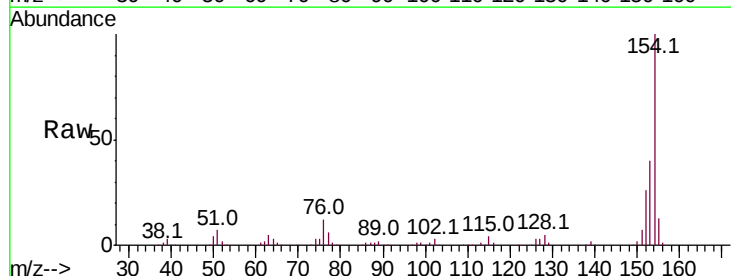
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 26.349 ng
RT: 9.40 min Scan# 1243
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

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

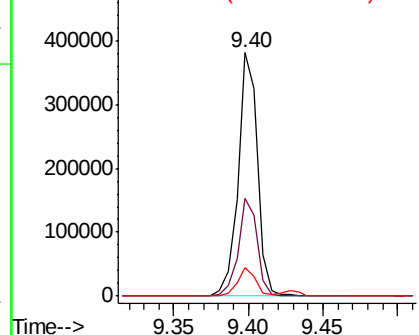
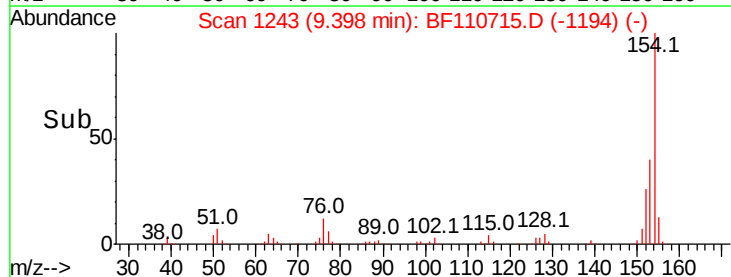


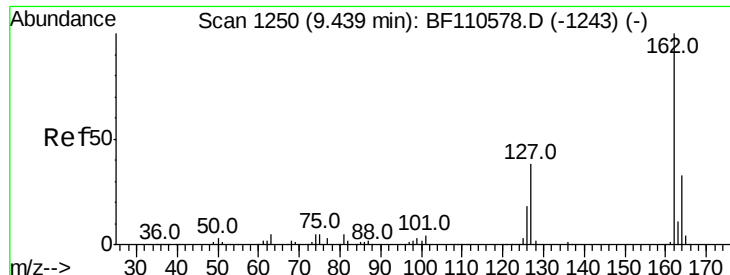
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

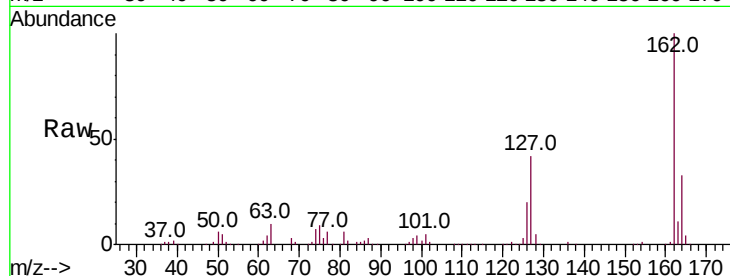




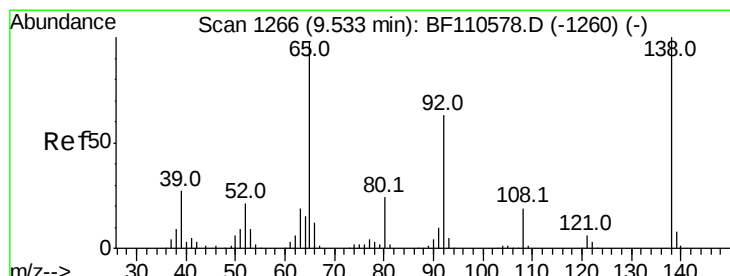
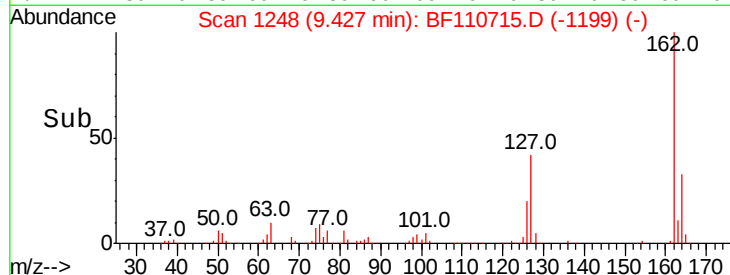
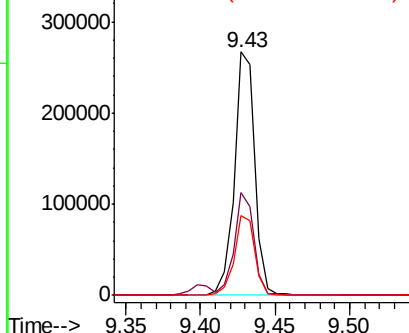
#47
 2-Chloronaphthalene
 Concen: 26.964 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: BF110715.D
 Acq: 13 Nov 2018 10:49

Instrument :
 BNA_F
 ClientSampleId :
 PB114706BS

Tot Ion	Ratio	Lower	Upper
162	100		
127	42.1	32.6	48.8
164	32.9	25.9	38.9

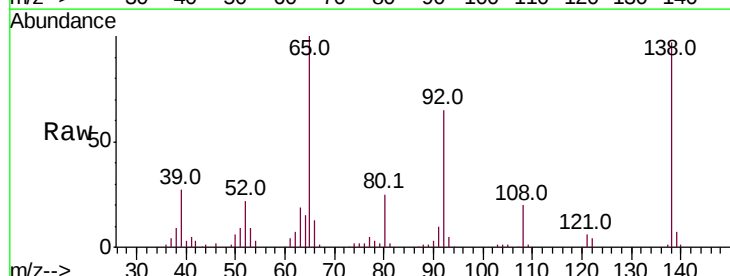


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

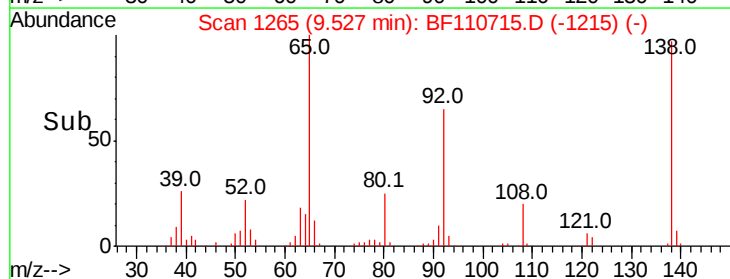
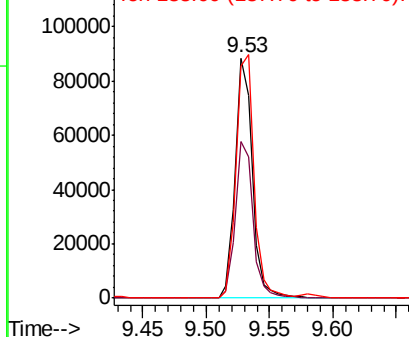


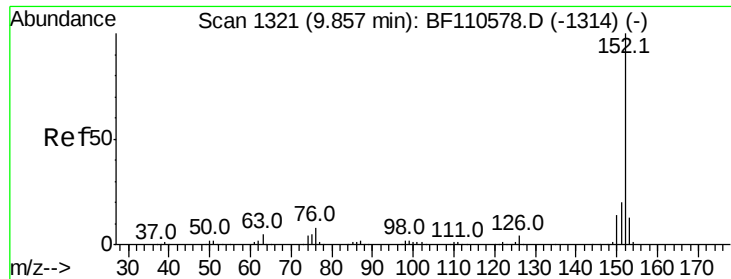
#48
 2-Nitroaniline
 Concen: 27.960 ng
 RT: 9.53 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: BF110715.D
 Acq: 13 Nov 2018 10:49

Tgt Ion	Ratio	Lower	Upper
65	100		
92	65.3	54.6	81.8
138	96.8	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: 29.403 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

Instrument :

BNA_F

ClientSampleId :

PB114706BS

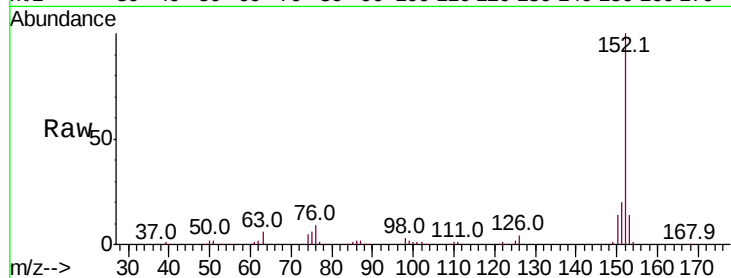
Tot Ion:152 Resp: 403576

Ion Ratio Lower Upper

152 100

151 20.0 15.8 23.8

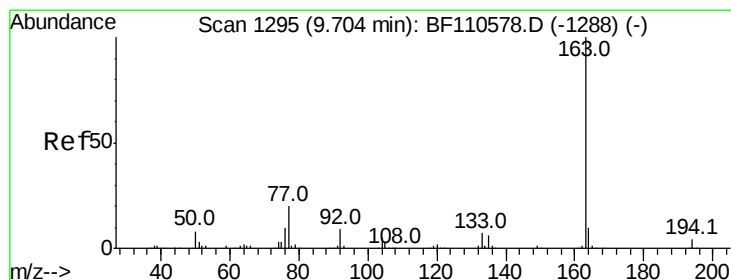
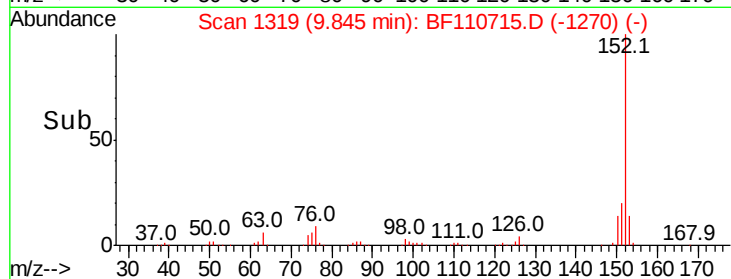
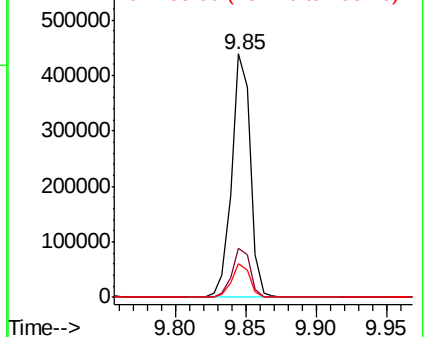
153 13.8 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 28.320 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

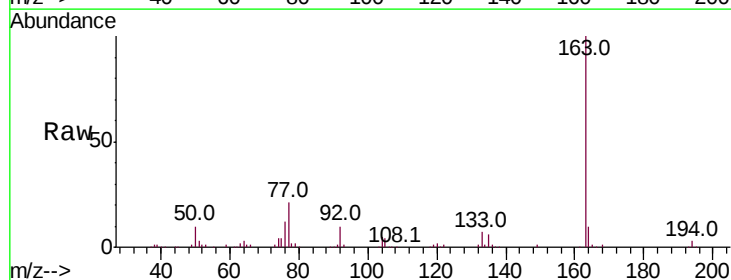
Tgt Ion:163 Resp: 299676

Ion Ratio Lower Upper

163 100

194 3.4 3.2 4.8

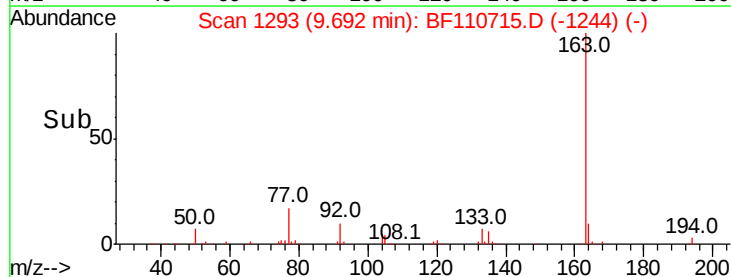
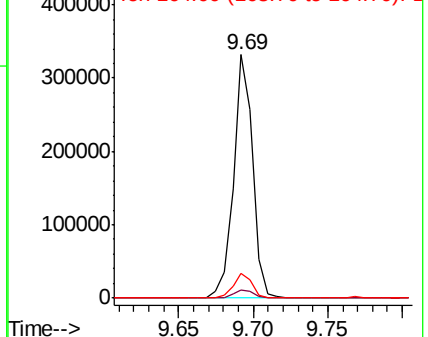
164 10.2 8.1 12.1

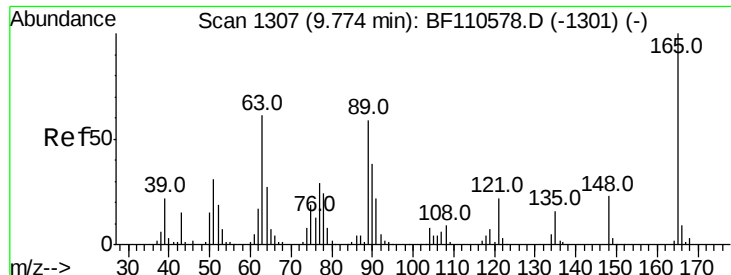


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

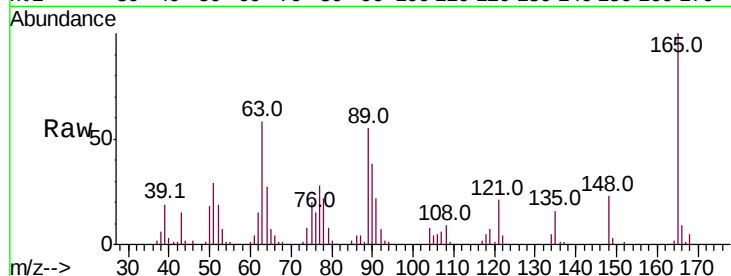




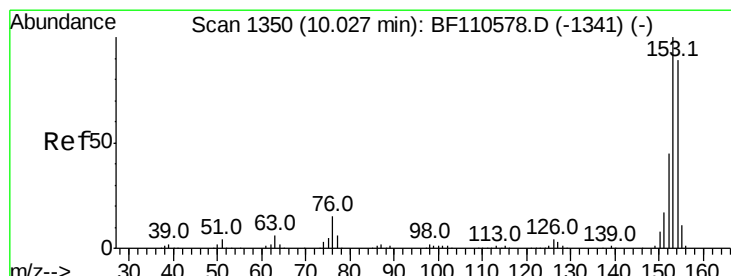
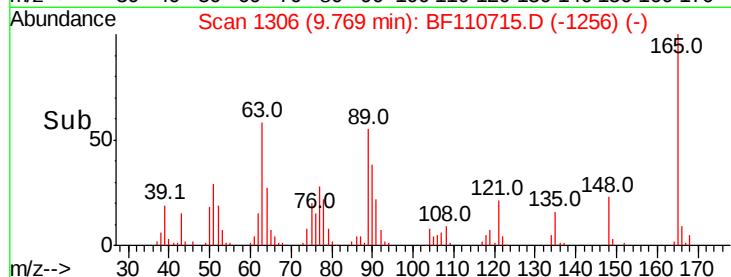
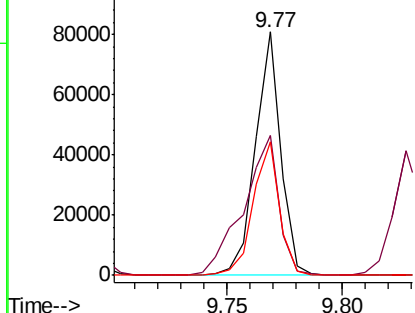
#51
2,6-Dinitrotoluene
Concen: 26.706 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

Instrument :
BNA_F
ClientSampleId :
PB114706BS

Tot Ion	Ratio	Lower	Upper
165	100		
63	57.7	48.9	73.3
89	54.7	46.6	69.8

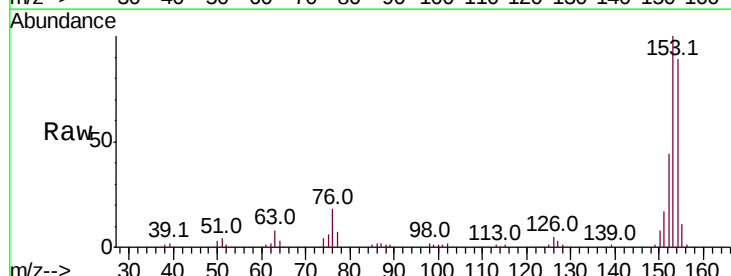


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

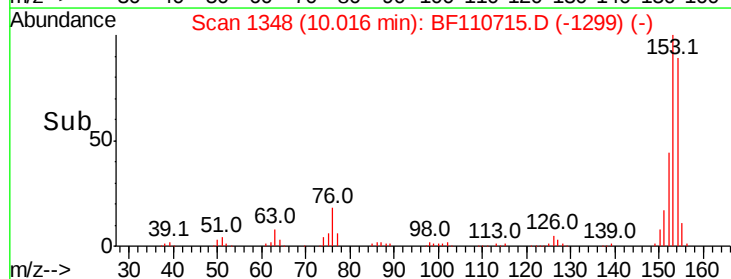
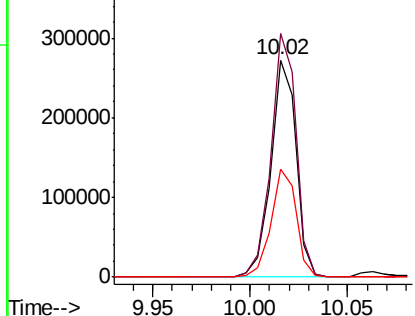


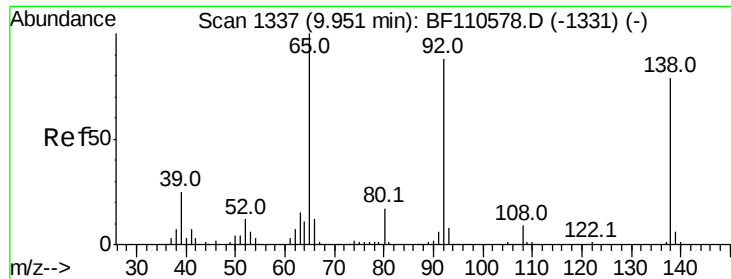
#52
Acenaphthene
Concen: 28.039 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.3	90.1	135.1
152	49.5	43.4	65.2



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

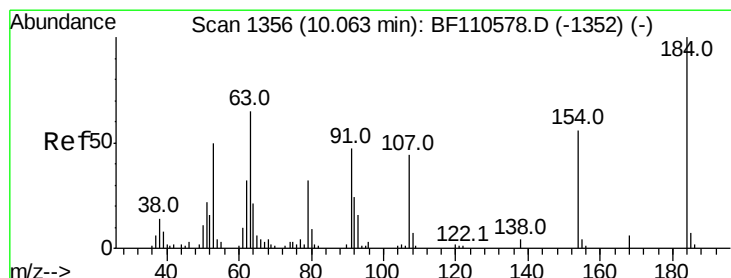
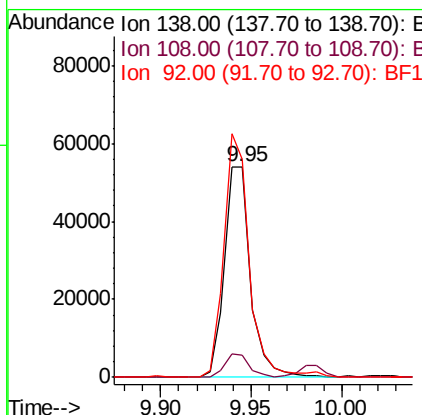
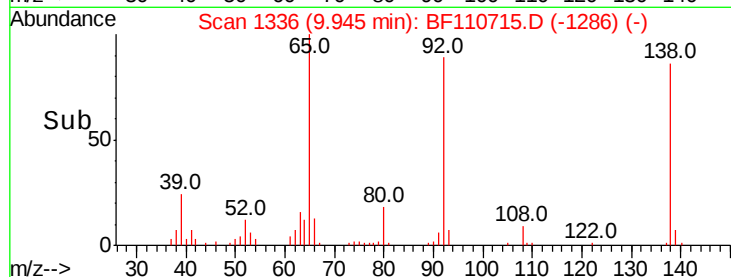
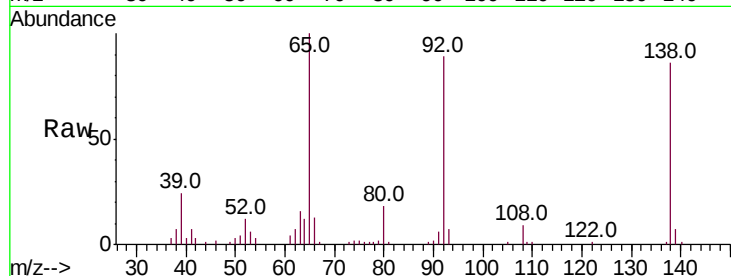




#53
3-Nitroaniline
Concen: 20.233 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

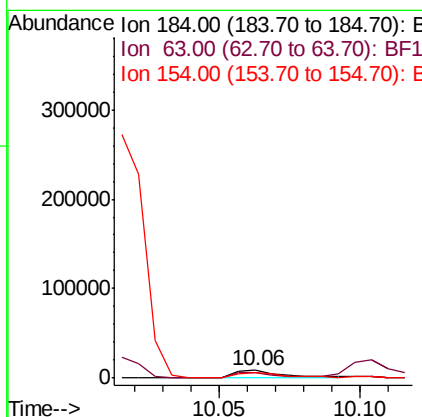
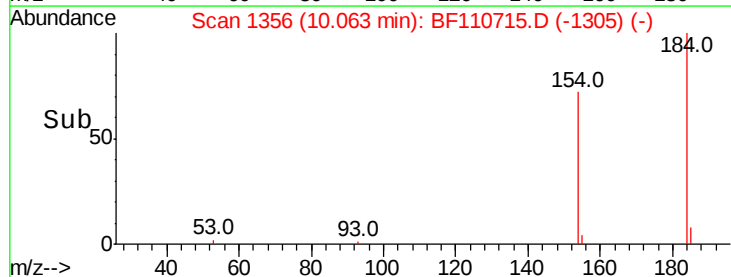
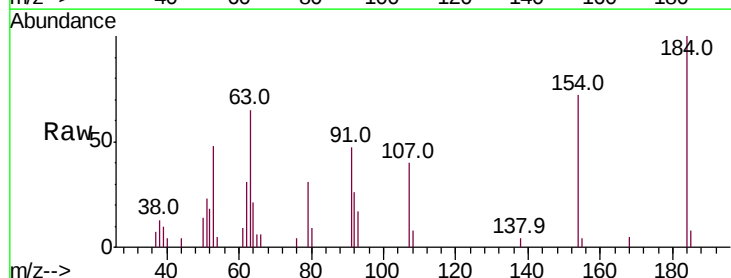
Instrument :
BNA_F
ClientSampleId :
PB114706BS

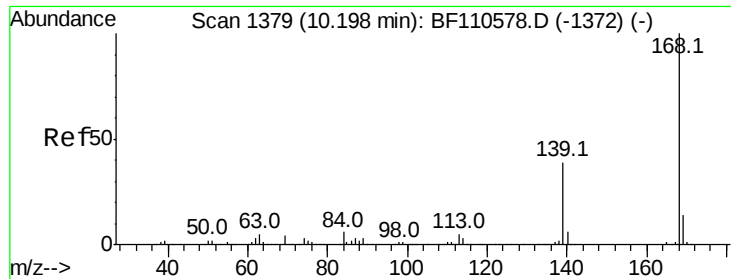
Tot Ion:138 Resp: 54566
Ion Ratio Lower Upper
138 100
108 10.5 8.7 13.1
92 103.6 97.0 145.4



#54
2,4-Dinitrophenol
Concen: 15.557 ng
RT: 10.06 min Scan# 1356
Delta R.T. 0.00 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

Tgt Ion:184 Resp: 10694
Ion Ratio Lower Upper
184 100
63 64.6 55.8 83.6
154 72.1 63.2 94.8

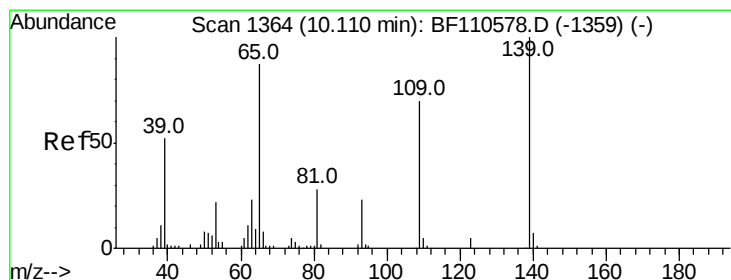
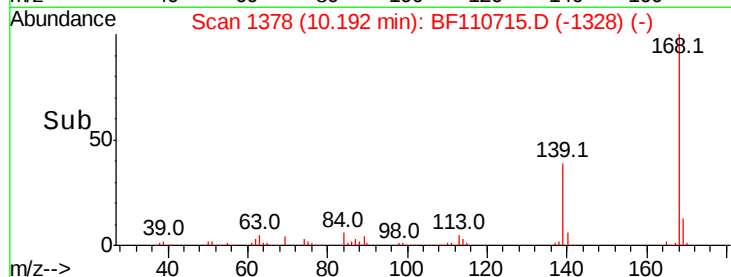
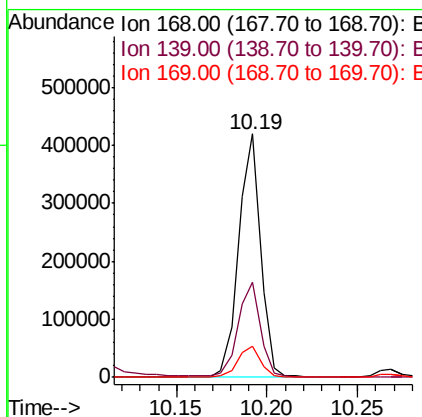
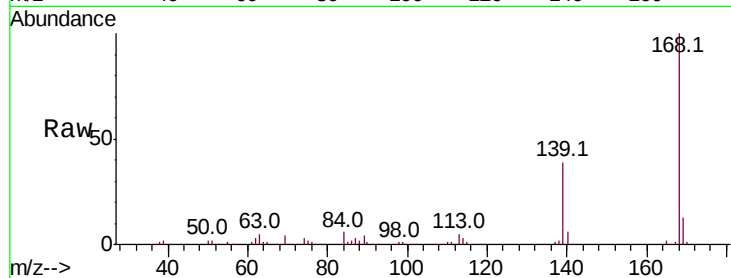




#55
Dibenzenofuran
Concen: 27.898 ng
RT: 10.19 min Scan# 1378
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

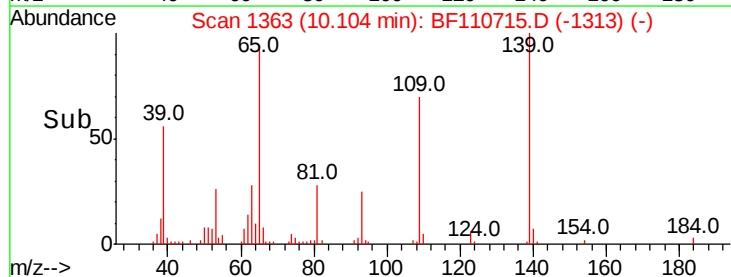
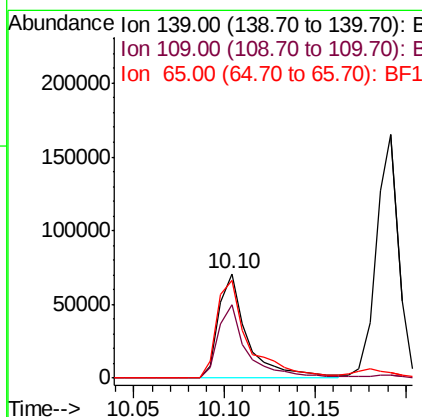
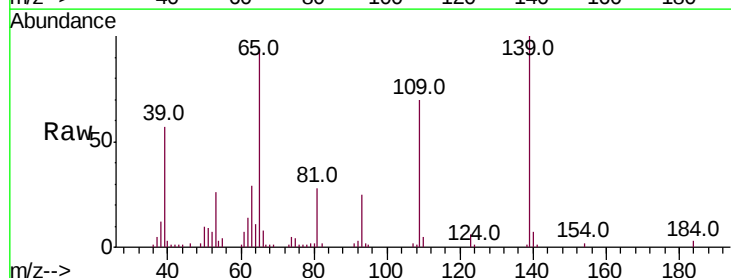
Instrument :
BNA_F
ClientSampleId :
PB114706BS

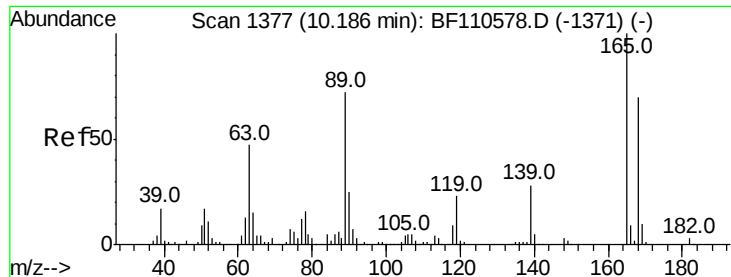
Tot Ion:168 Resp: 354051
Ion Ratio Lower Upper
168 100
139 39.3 33.0 49.6
169 13.0 11.3 16.9



#56
4-Nitrophenol
Concen: 44.420 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

Tgt Ion:139 Resp: 79474
Ion Ratio Lower Upper
139 100
109 69.9 55.8 95.8
65 93.5 77.9 117.9

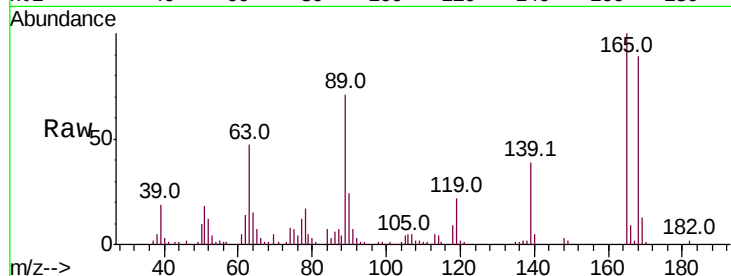




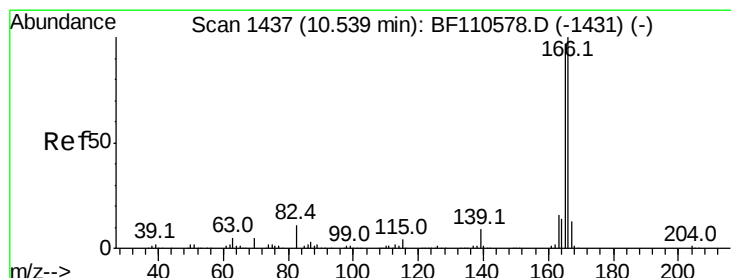
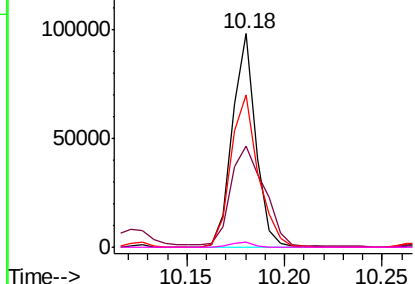
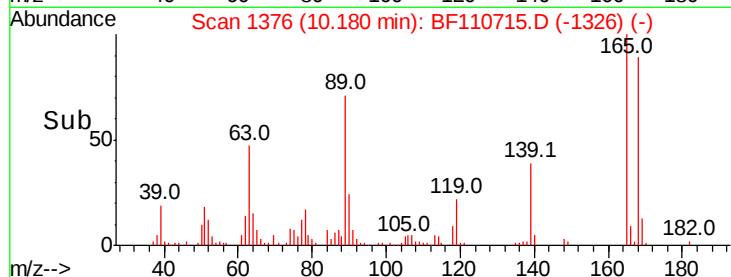
#57
2,4-Dinitrotoluene
Concen: 26.973 ng
RT: 10.18 min Scan# 1376
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

Instrument :
BNA_F
ClientSampleId :
PB114706BS

Tot Ion:165	Resp:	81636
Ion Ratio	Lower	Upper
165	100	
63	47.1	44.8 67.2
89	71.3	62.2 93.4
182	2.4	2.1 3.1

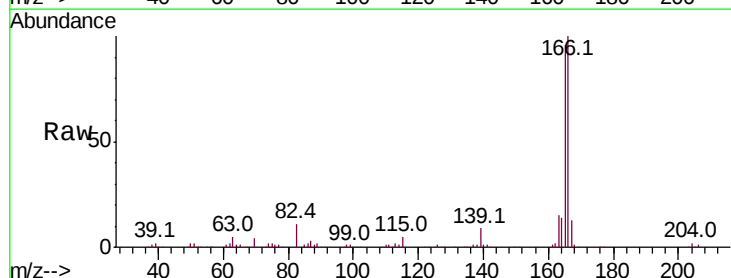


Abundance Ion 165.00 (164.70 to 165.70): E
150000
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

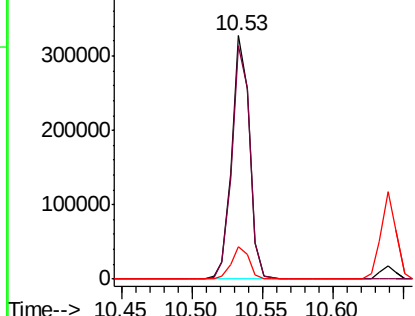
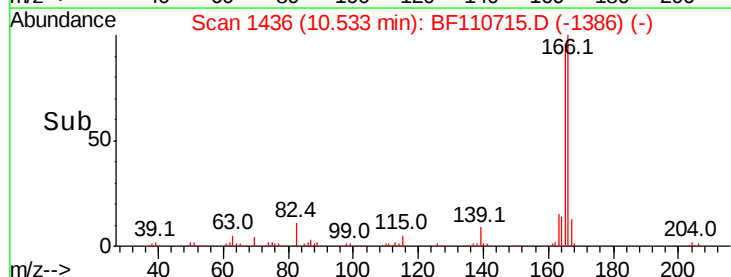


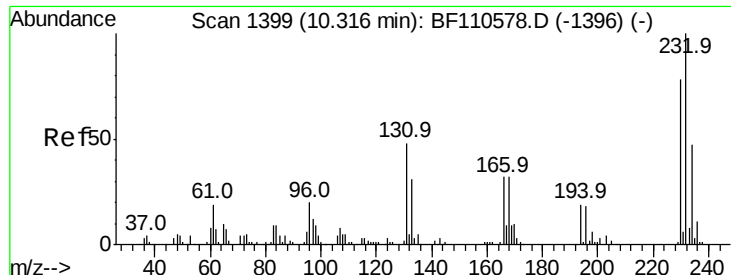
#58
Fluorene
Concen: 29.295 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

Tgt Ion:166	Resp:	285560
Ion Ratio	Lower	Upper
166	100	
165	95.7	78.6 117.8
167	13.1	10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E
400000
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: 25.801 ng

RT: 10.31 min Scan# 1398

Delta R.T. -0.01 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

Instrument :

BNA_F

ClientSampleId :

PB114706BS

Tot Ion:232 Resp: 61073

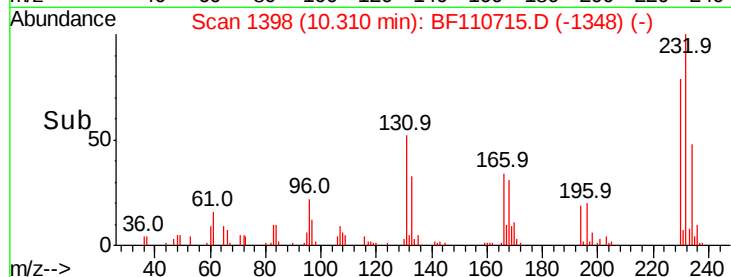
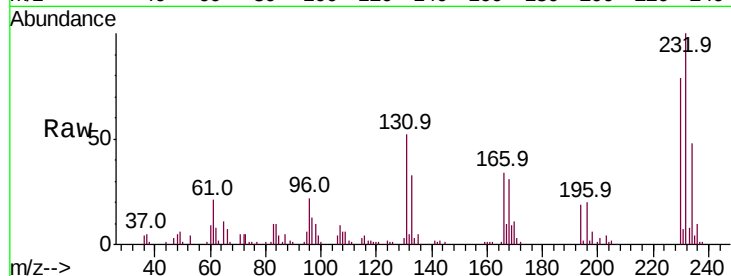
Ion Ratio Lower Upper

232 100

131 50.1 37.0 55.4

130 2.3 1.8 2.6

166 33.6 22.0 33.0#

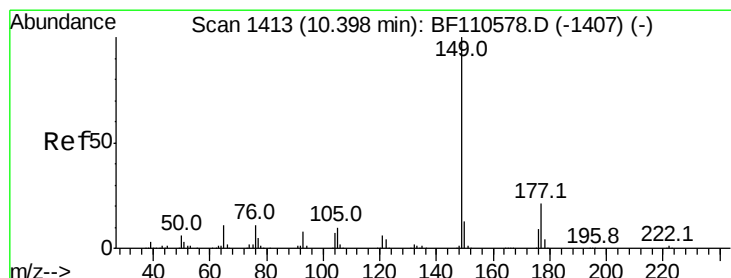
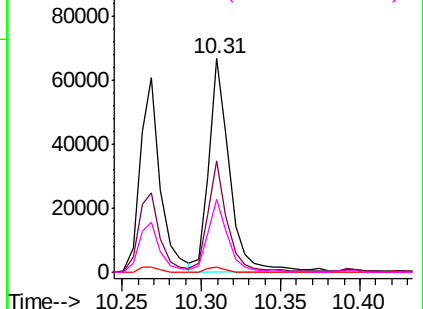


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 28.422 ng

RT: 10.39 min Scan# 1412

Delta R.T. -0.01 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

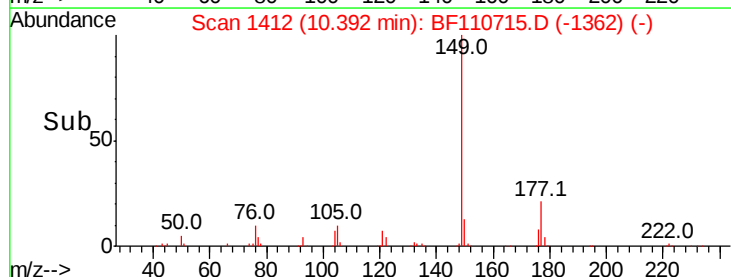
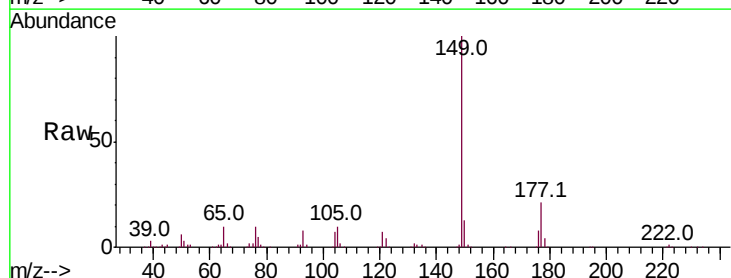
Tgt Ion:149 Resp: 297543

Ion Ratio Lower Upper

149 100

177 21.4 17.4 26.2

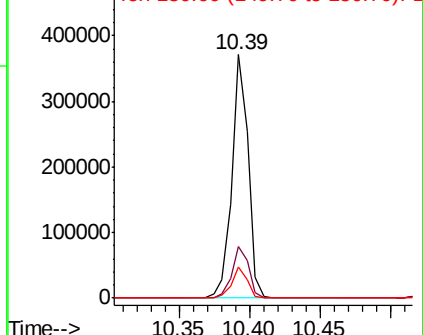
150 12.7 9.8 14.8

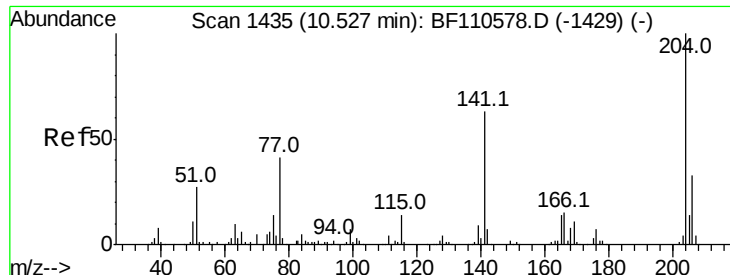


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

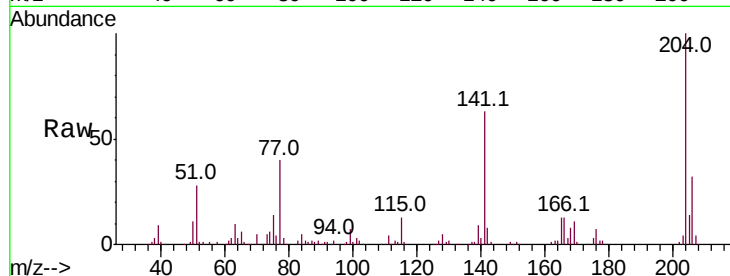




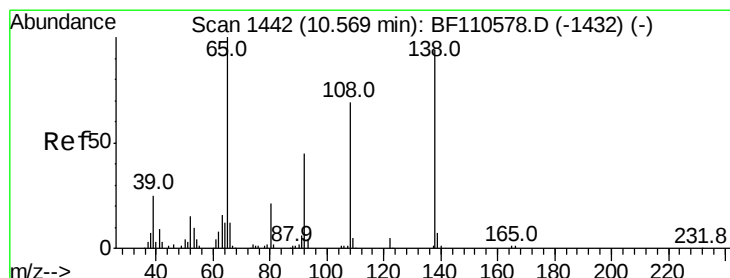
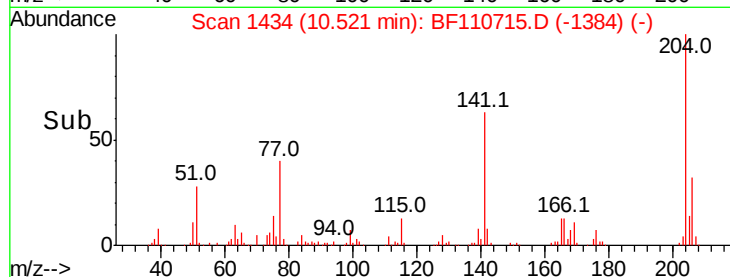
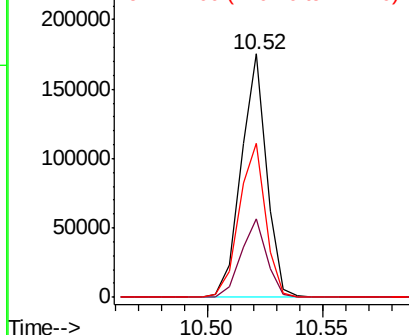
#61
 4-Chlorophenyl-phenylether
 Concen: 26.643 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF110715.D
 Acq: 13 Nov 2018 10:49

Instrument :
 BNA_F
 ClientSampleId :
 PB114706BS

Tot Ion:204 Resp: 134472
 Ion Ratio Lower Upper
 204 100
 206 32.1 26.5 39.7
 141 63.2 51.8 77.8

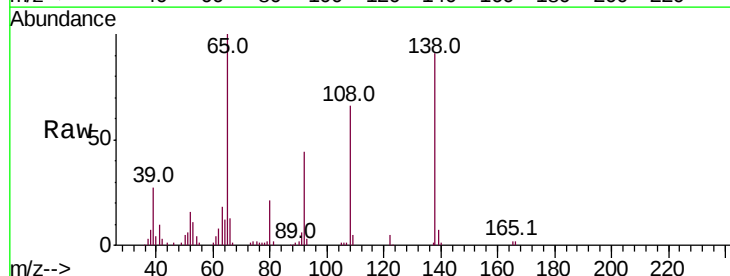


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

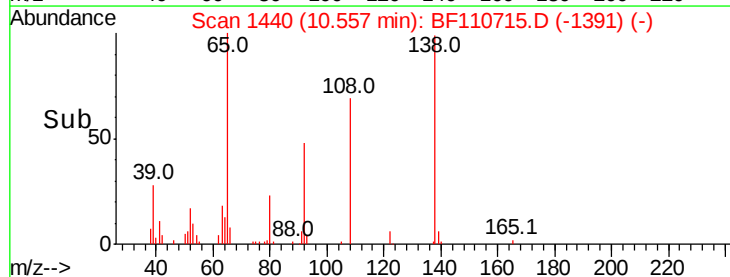
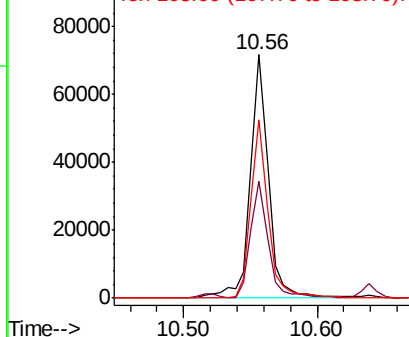


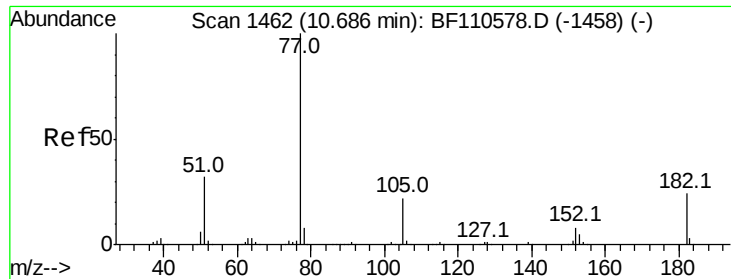
#62
 4-Nitroaniline
 Concen: 24.729 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF110715.D
 Acq: 13 Nov 2018 10:49

Tgt Ion:138 Resp: 67156
 Ion Ratio Lower Upper
 138 100
 92 48.0 31.7 71.7
 108 73.0 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

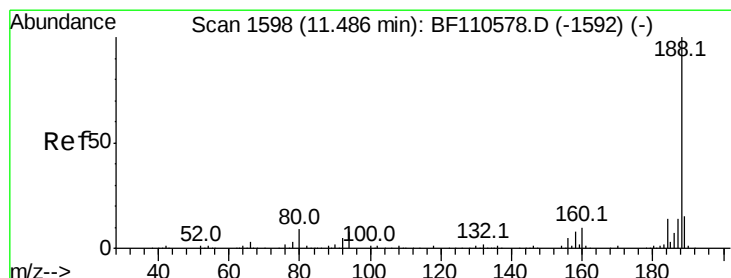
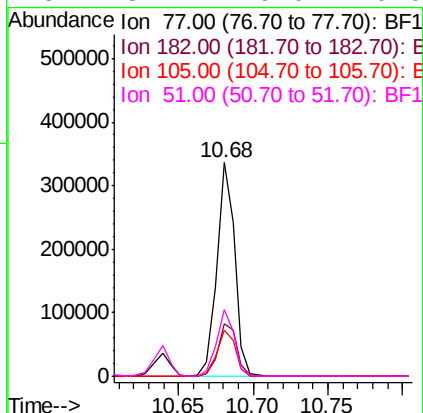
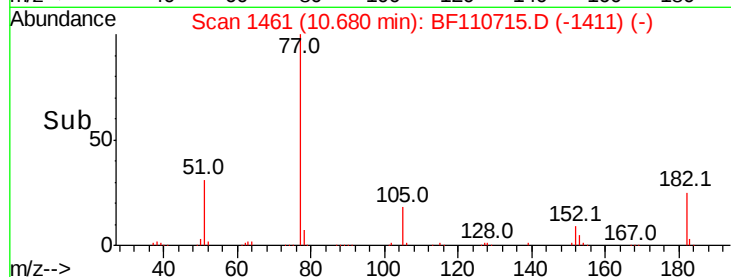
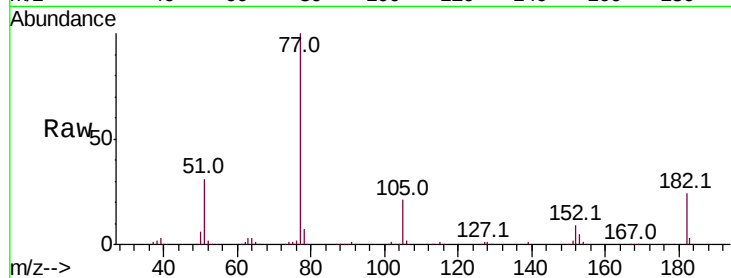




#63
Azobenzene
Concen: 27.540 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

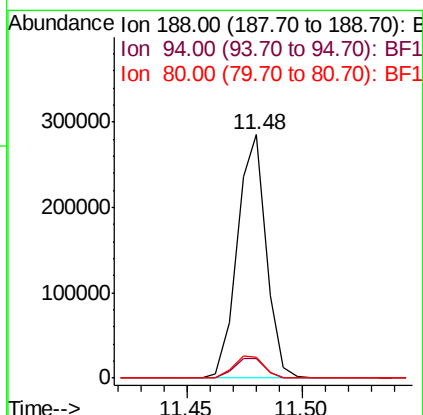
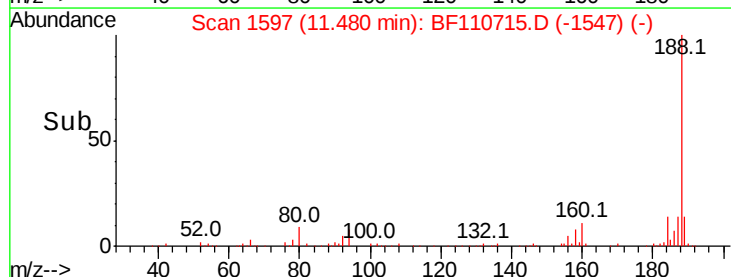
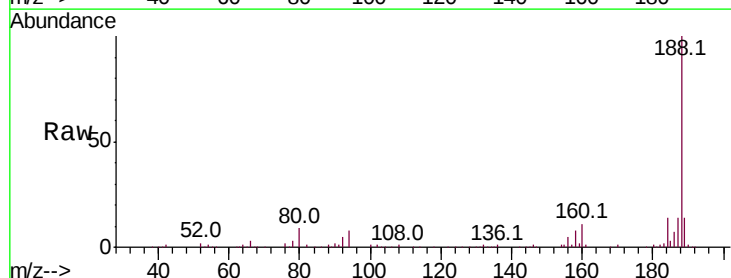
Instrument :
BNA_F
ClientSampleId :
PB114706BS

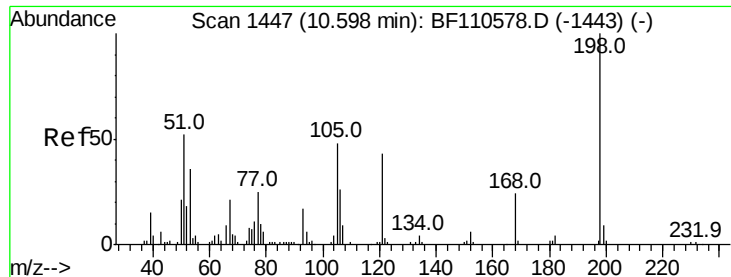
Tot Ion: 77 Resp: 281285
Ion Ratio Lower Upper
77 100
182 24.4 4.3 44.3
105 21.5 1.3 41.3
51 31.4 9.0 49.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

Tgt Ion: 188 Resp: 248203
Ion Ratio Lower Upper
188 100
94 7.9 7.2 10.8
80 8.6 7.9 11.9

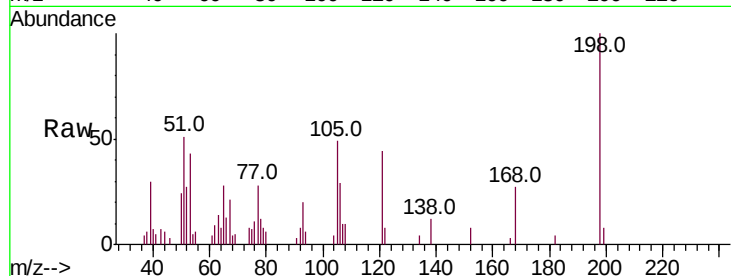




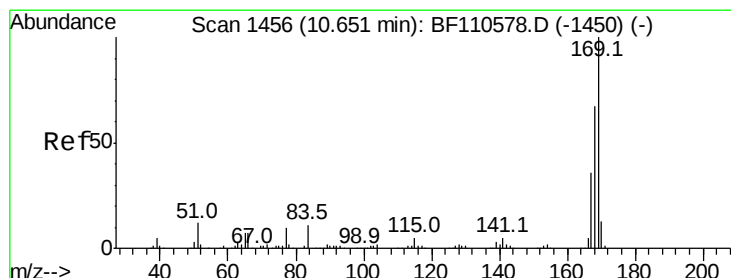
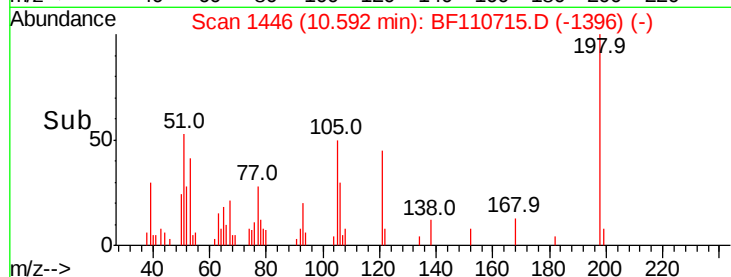
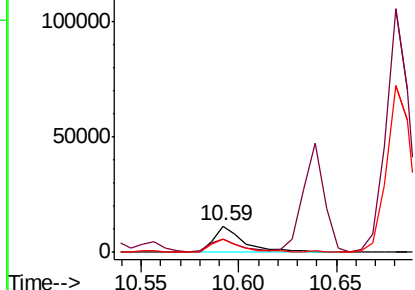
#65
4,6-Dinitro-2-methylphenol
Concen: 9.615 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

Instrument :
BNA_F
ClientSampleId :
PB114706BS

Tot Ion:198 Resp: 12027
Ion Ratio Lower Upper
198 100
51 51.3 22.8 62.8
105 48.7 23.6 63.6

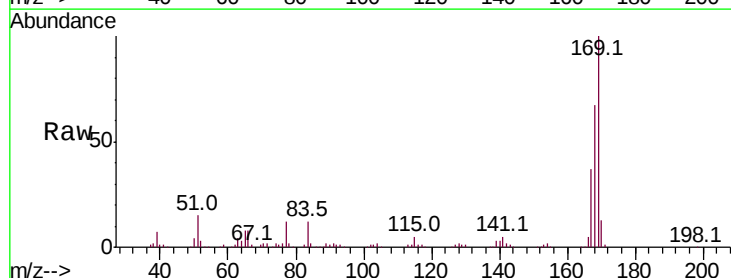


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

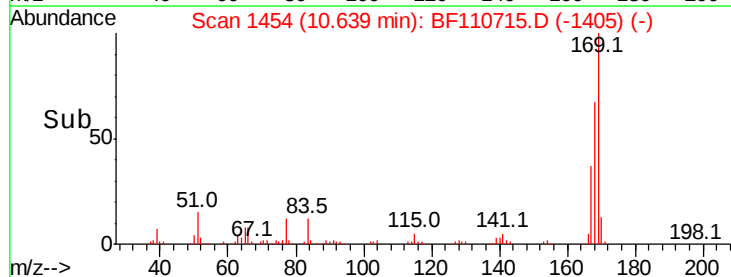
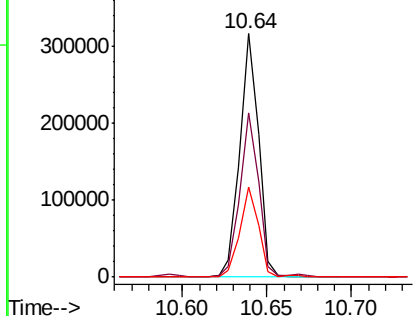


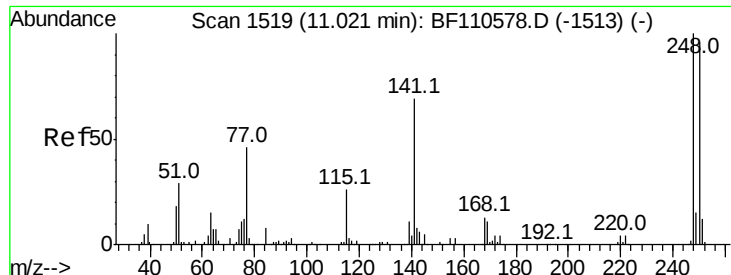
#66
n-Nitrosodiphenylamine
Concen: 29.293 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

Tgt Ion:169 Resp: 245069
Ion Ratio Lower Upper
169 100
168 67.4 51.2 76.8
167 37.2 27.8 41.6



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

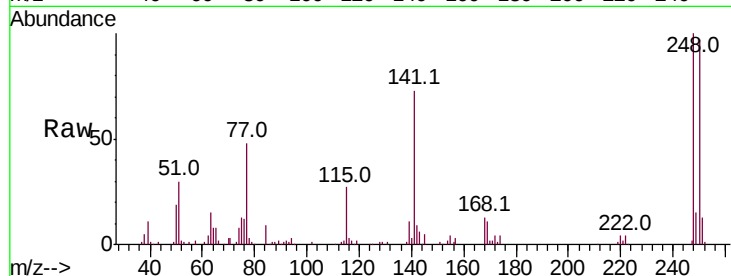




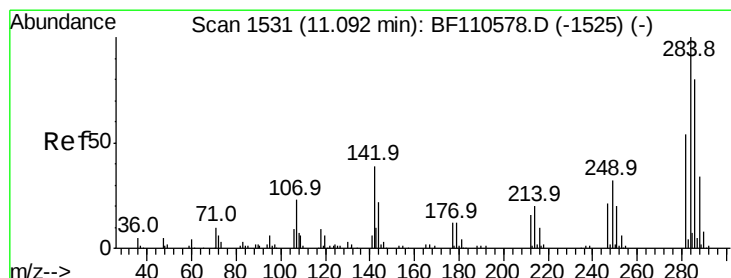
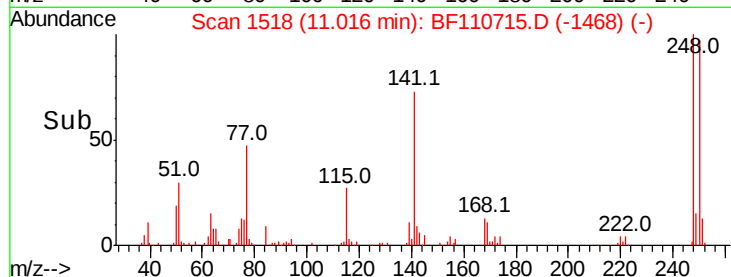
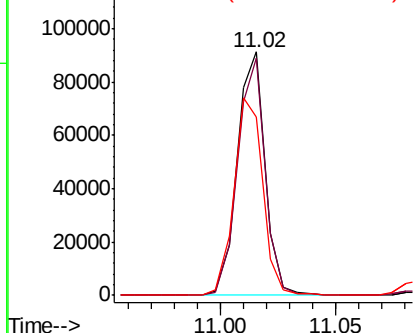
#67
4-Bromophenyl-phenylether
Concen: 28.006 ng
RT: 11.02 min Scan# 1518
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

Instrument :
BNA_F
ClientSampleId :
PB114706BS

Tot Ion:248 Resp: 76823
Ion Ratio Lower Upper
248 100
250 97.2 79.4 119.2
141 73.1 55.9 83.9

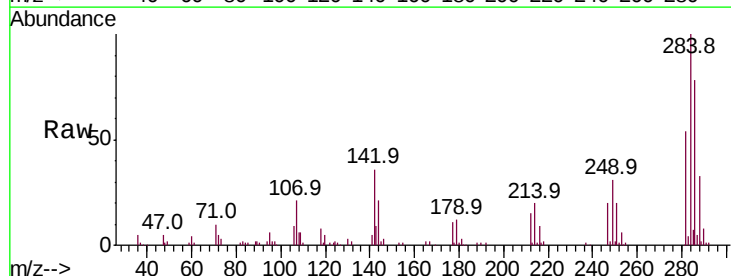


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

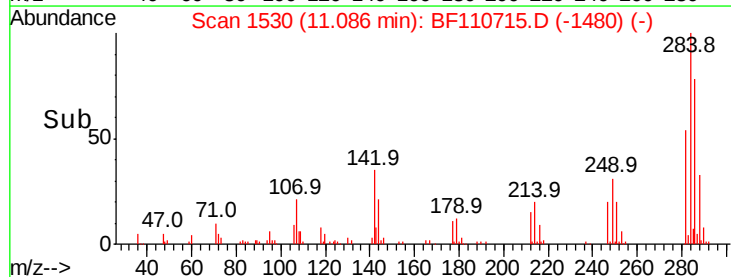
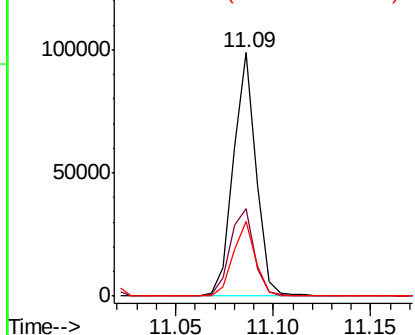


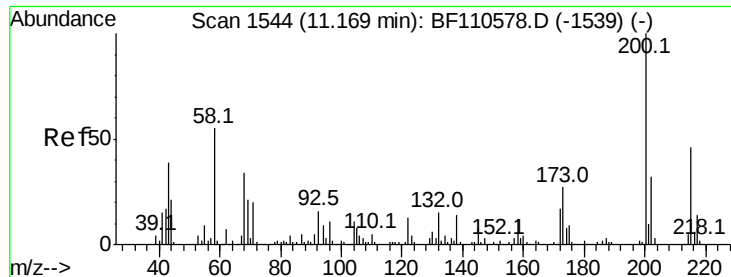
#68
Hexachlorobenzene
Concen: 27.594 ng
RT: 11.09 min Scan# 1530
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

Tgt Ion:284 Resp: 79806
Ion Ratio Lower Upper
284 100
142 35.8 23.9 35.9
249 30.6 24.2 36.2



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

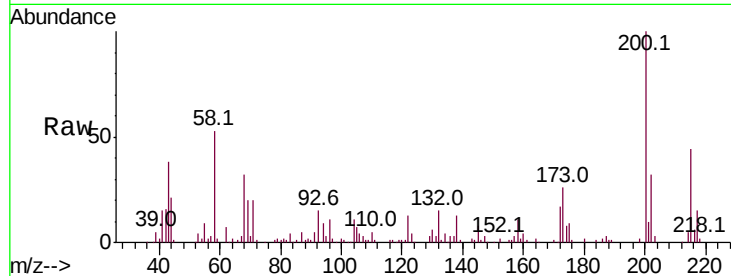




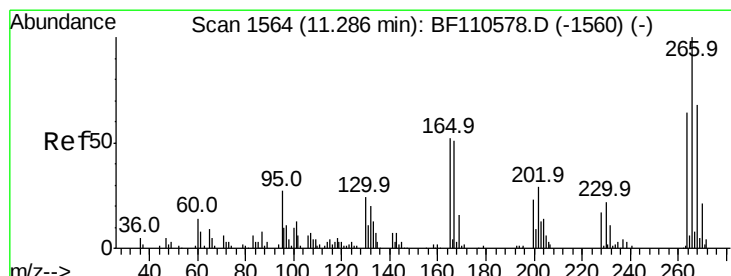
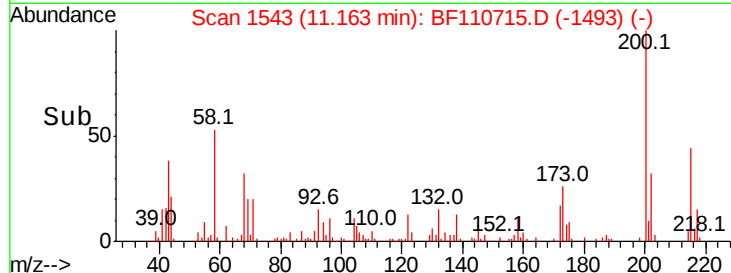
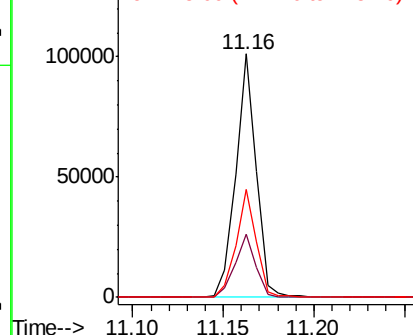
#69
Atrazine
Concen: 31.107 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

Instrument :
BNA_F
ClientSampleId :
PB114706BS

Tot Ion:200 Resp: 79572
Ion Ratio Lower Upper
200 100
173 25.8 6.6 46.6
215 44.5 26.3 66.3

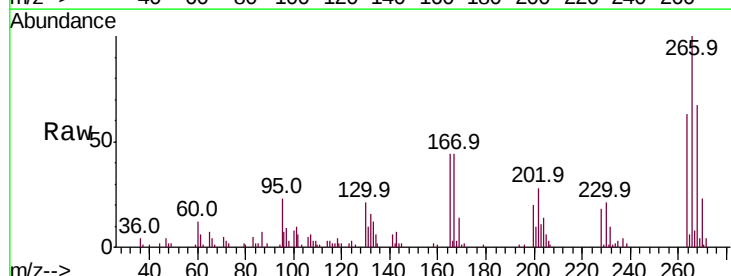


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

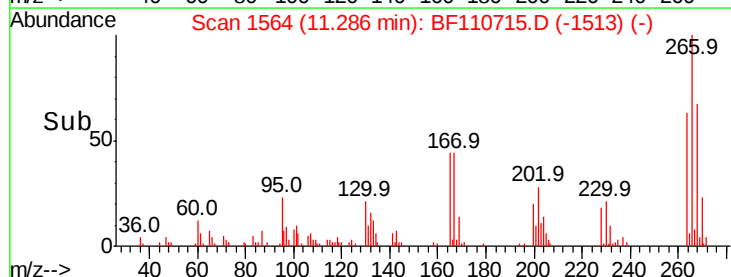
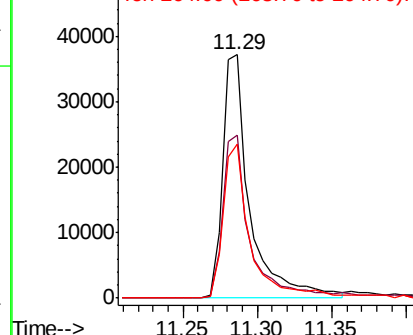


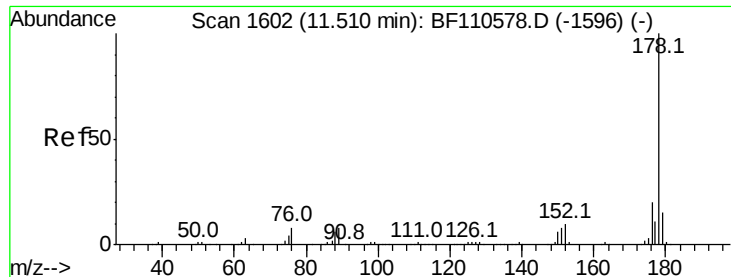
#70
Pentachlorophenol
Concen: 30.728 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

Tgt Ion:266 Resp: 47420
Ion Ratio Lower Upper
266 100
268 66.9 50.6 75.8
264 63.1 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

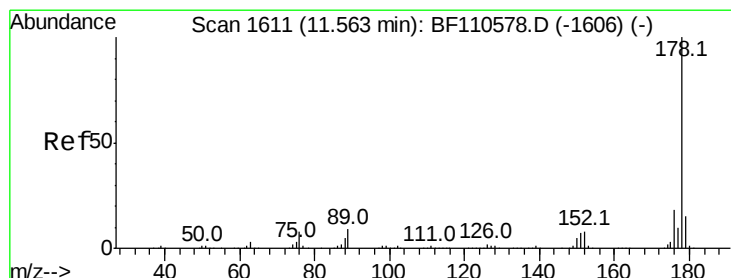
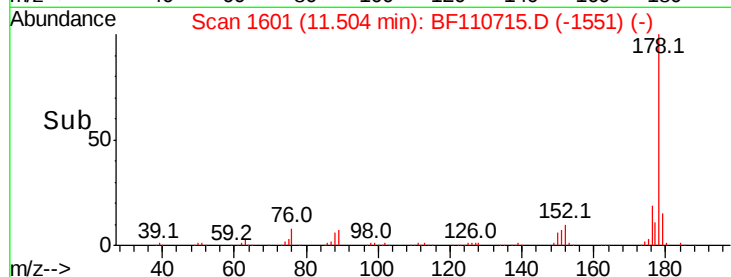
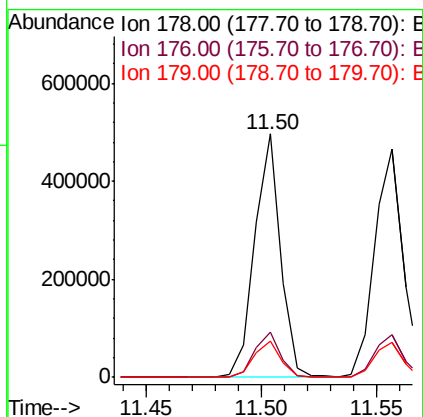
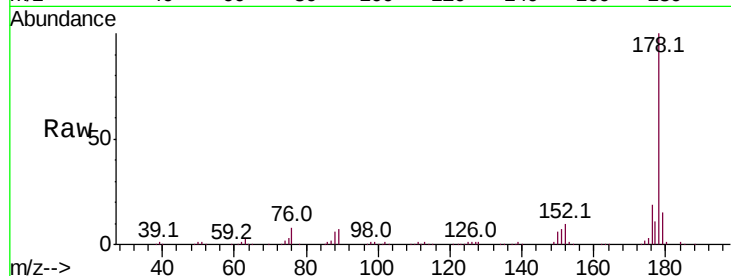




#71
Phenanthrene
Concen: 29.284 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

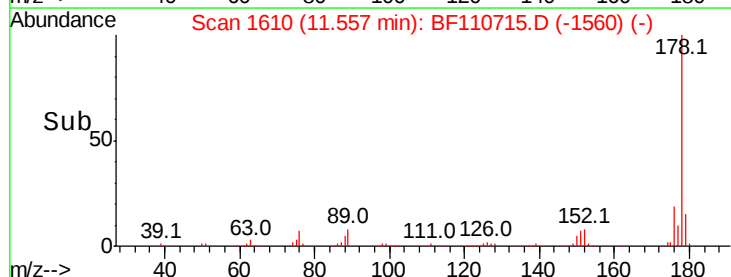
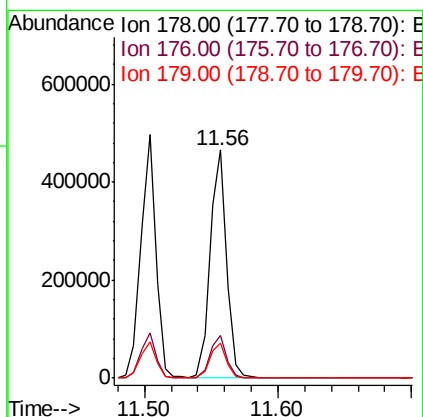
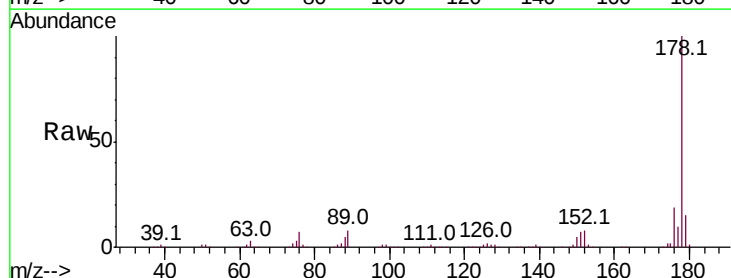
Instrument :
BNA_F
ClientSampleId :
PB114706BS

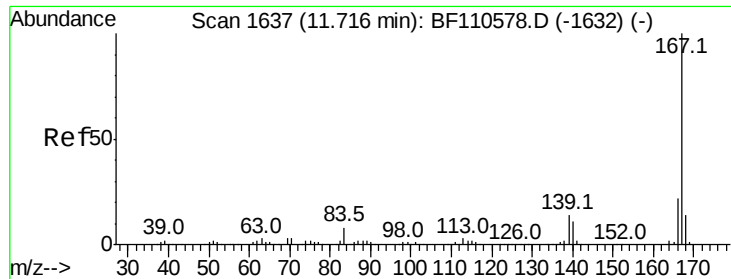
Tot Ion:178 Resp: 389397
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 14.9 12.5 18.7



#72
Anthracene
Concen: 30.085 ng
RT: 11.56 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

Tgt Ion:178 Resp: 403550
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.4 12.6 18.8

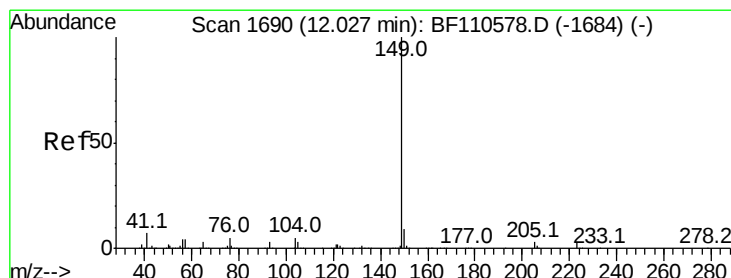
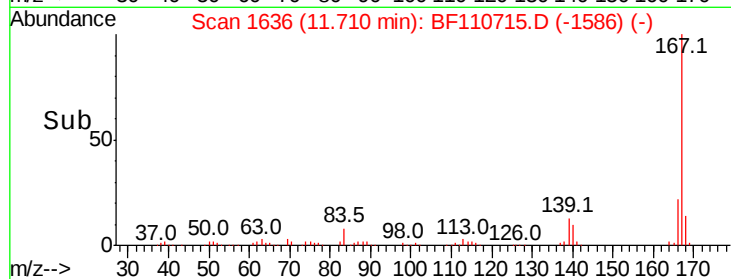
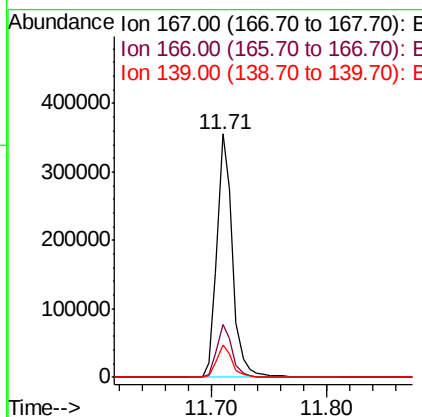
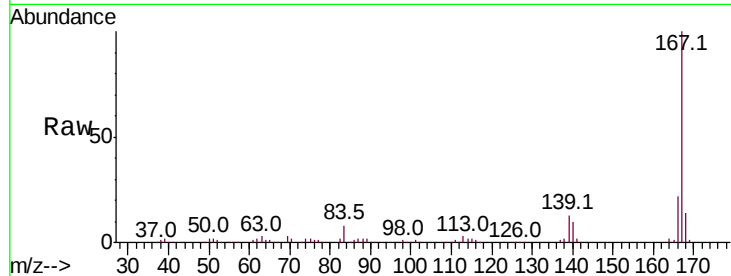




#73
 Carbazole
 Concen: 25.861 ng
 RT: 11.71 min Scan# 1636
 Delta R.T. -0.01 min
 Lab File: BF110715.D
 Acq: 13 Nov 2018 10:49

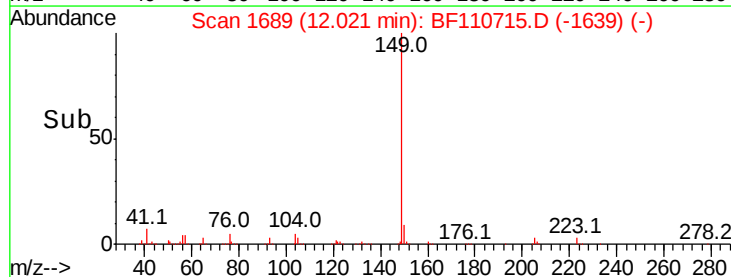
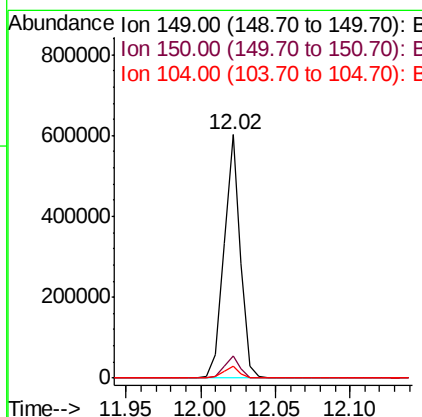
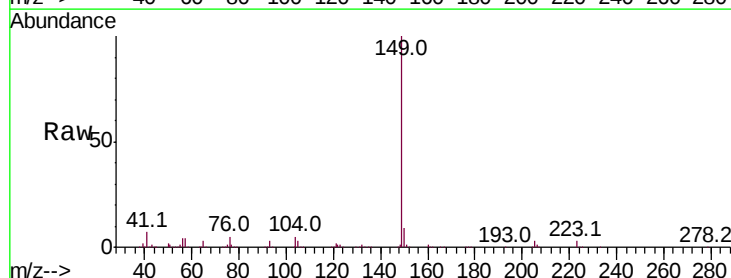
Instrument :
 BNA_F
 ClientSampleId :
 PB114706BS

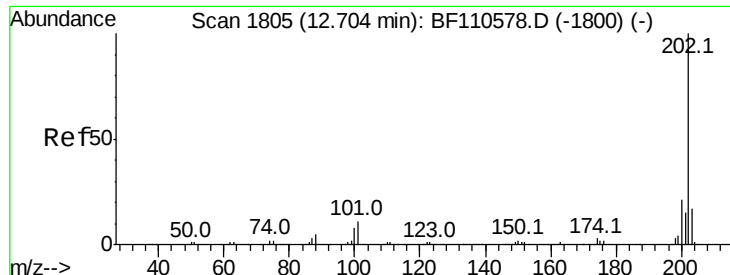
Tot Ion:167 Resp: 333146
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.4 26.0
 139 13.1 10.9 16.3



#74
 Di-n-butylphthalate
 Concen: 30.783 ng
 RT: 12.02 min Scan# 1689
 Delta R.T. -0.01 min
 Lab File: BF110715.D
 Acq: 13 Nov 2018 10:49

Tgt Ion:149 Resp: 465033
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.7 11.5
 104 4.8 4.2 6.4





#75

Fluoranthene

Concen: 26.006 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

Instrument :

BNA_F

ClientSampled :

PB114706BS

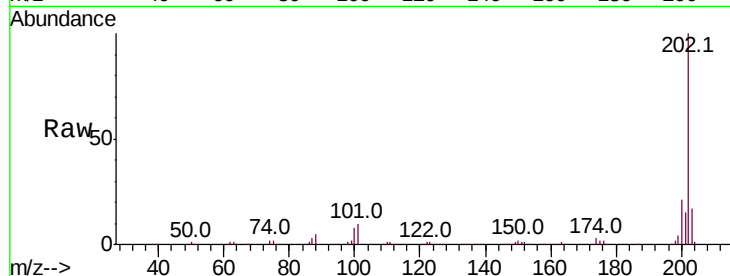
Tot Ion:202 Resp: 346700

Ion Ratio Lower Upper

202 100

101 10.2 0.0 31.4

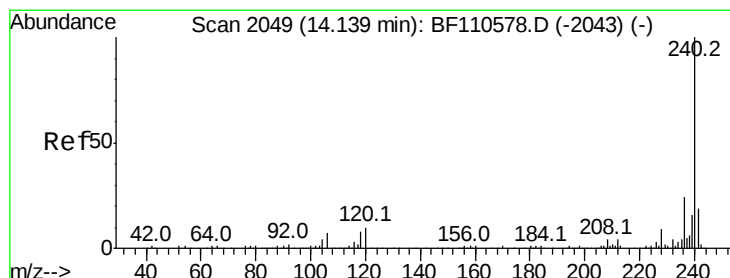
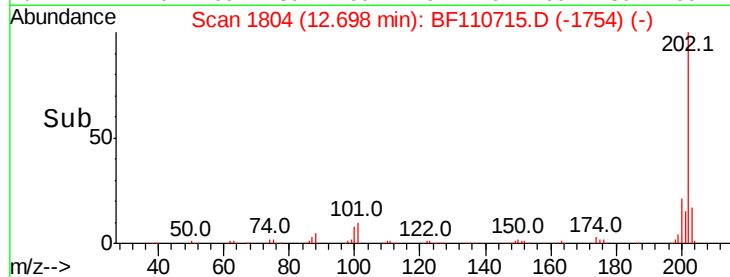
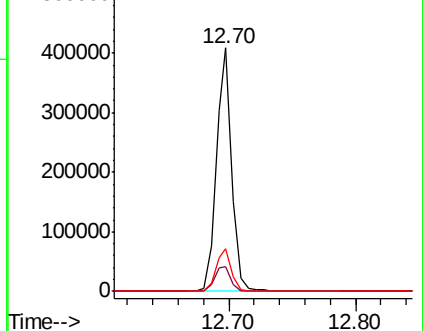
203 17.5 0.0 37.7



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: 14.13 min Scan# 2047

Delta R.T. -0.01 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

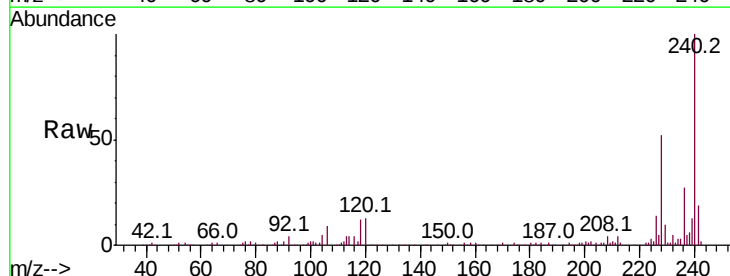
Tgt Ion:240 Resp: 149970

Ion Ratio Lower Upper

240 100

120 13.0 8.3 12.5#

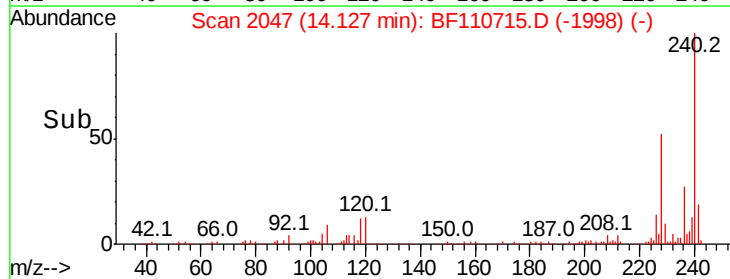
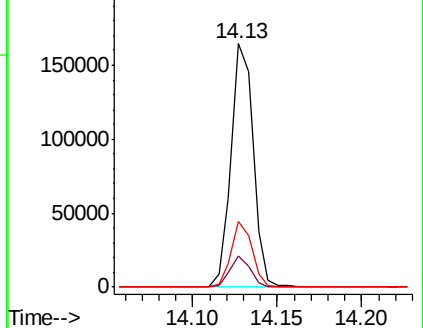
236 26.9 21.2 31.8

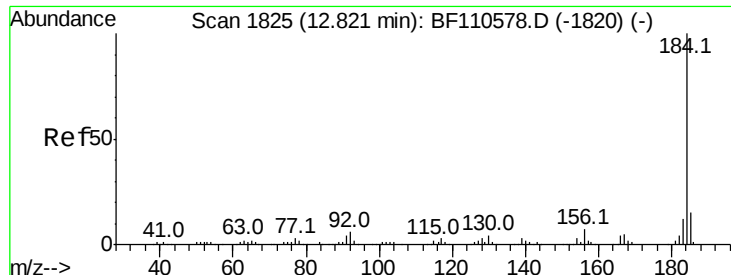


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 14.532 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

Instrument :

BNA_F

ClientSampleId :

PB114706BS

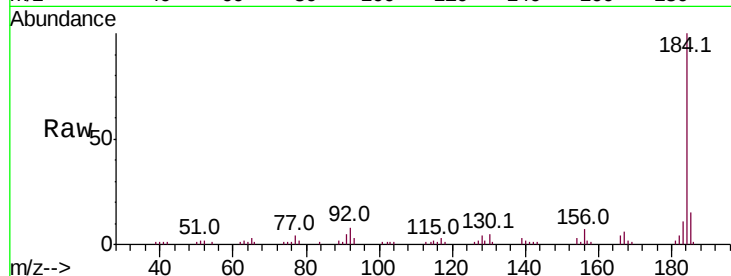
Tot Ion:184 Resp: 59932

Ion Ratio Lower Upper

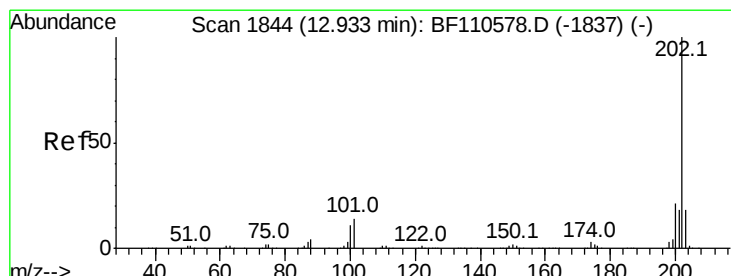
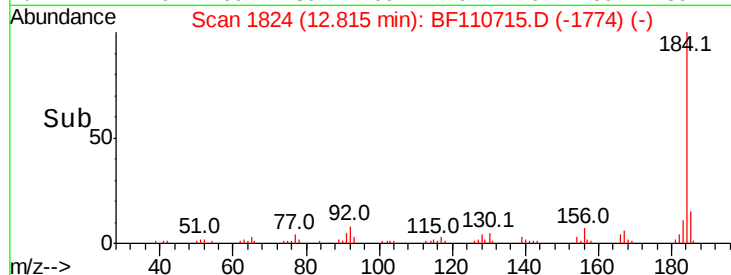
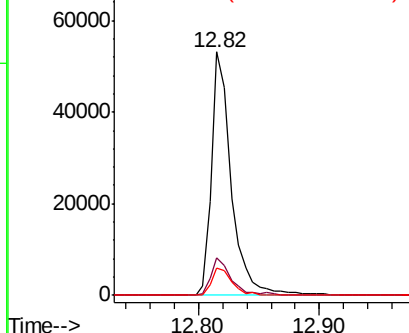
184 100

185 15.2 13.4 20.2

183 11.4 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: 29.319 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

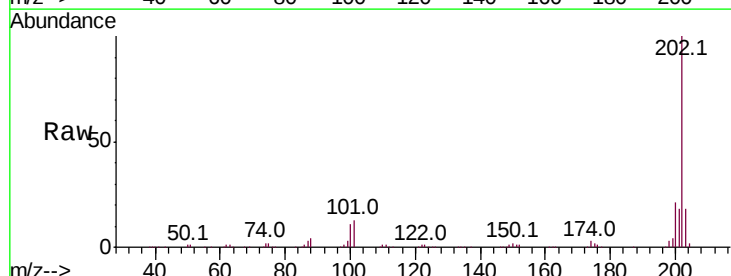
Tgt Ion:202 Resp: 338560

Ion Ratio Lower Upper

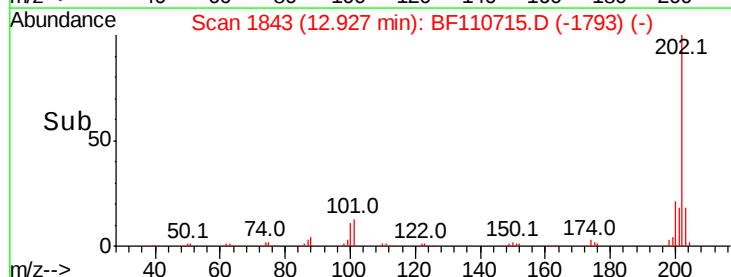
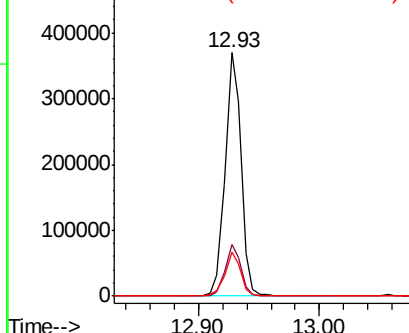
202 100

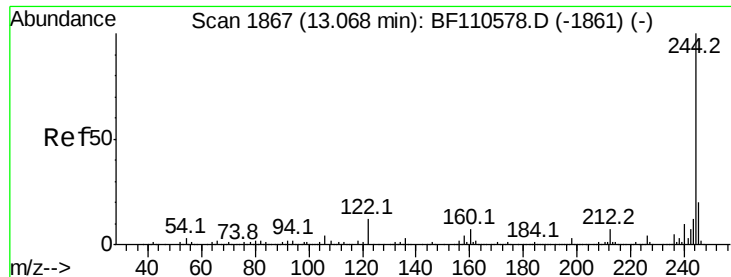
200 21.1 17.8 26.6

203 17.8 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: 55.180 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

Instrument :

BNA_F

ClientSampleId :

PB114706BS

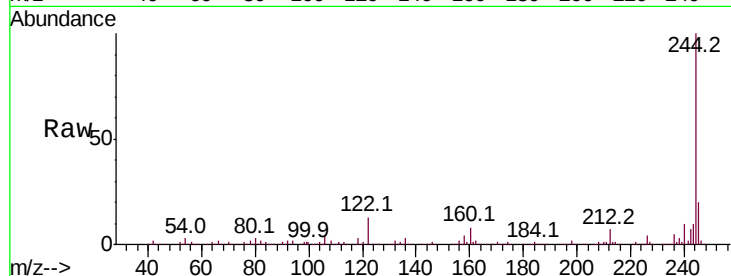
Tot Ion:244 Resp: 441880

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

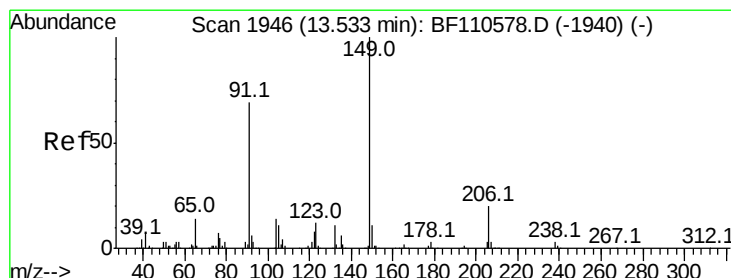
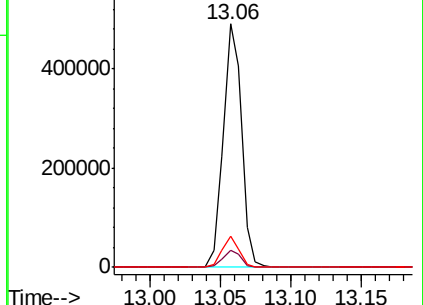
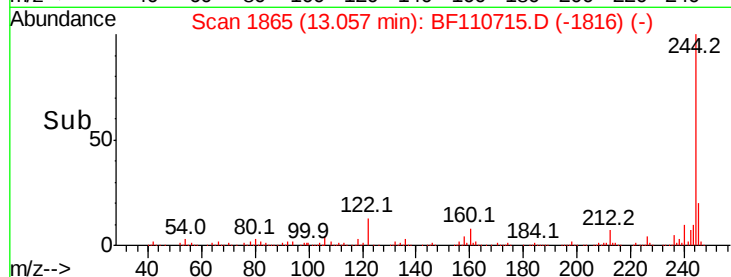
122 12.6 8.7 13.1



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: 32.544 ng

RT: 13.53 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

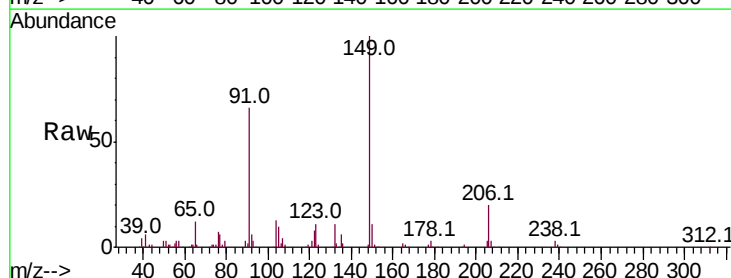
Tgt Ion:149 Resp: 161745

Ion Ratio Lower Upper

149 100

91 65.7 57.2 85.8

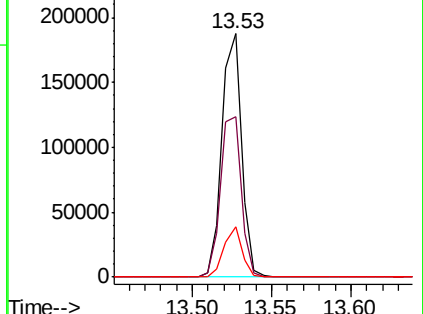
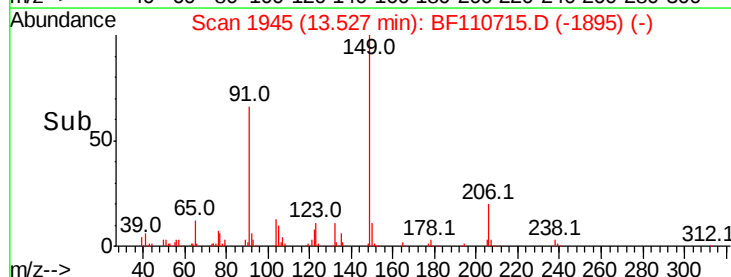
206 20.4 15.7 23.5

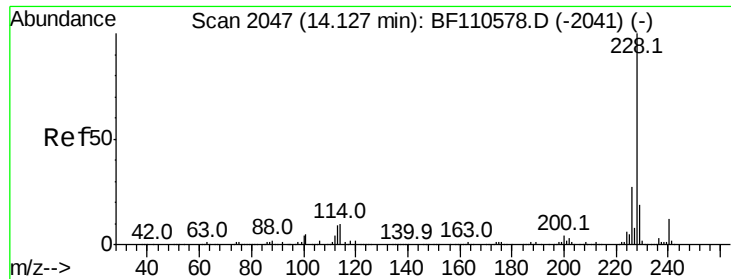


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

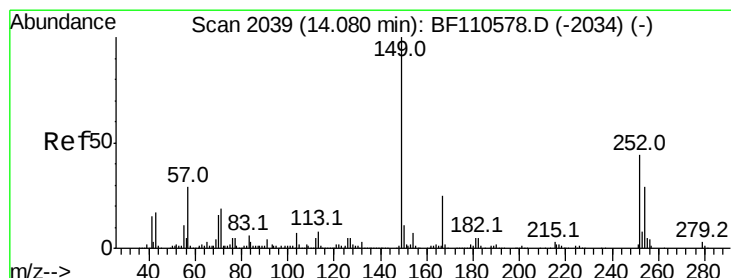
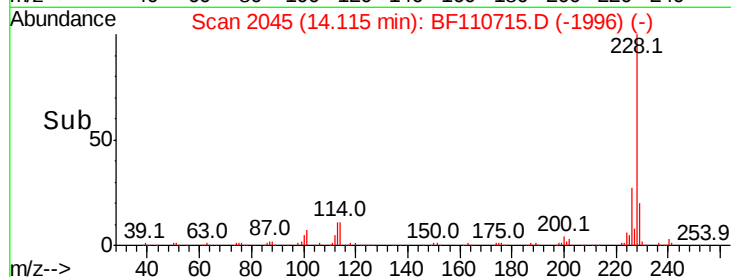
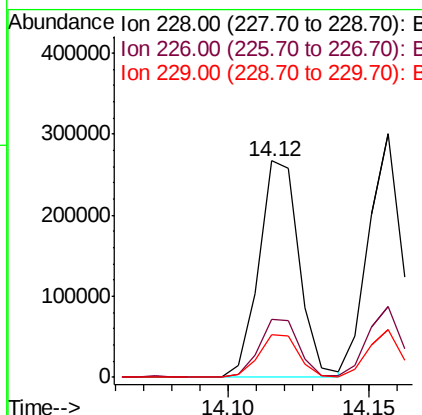
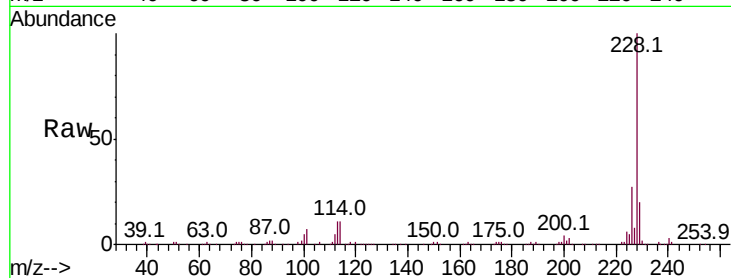




#81
Benzo(a)anthracene
Concen: 29.402 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

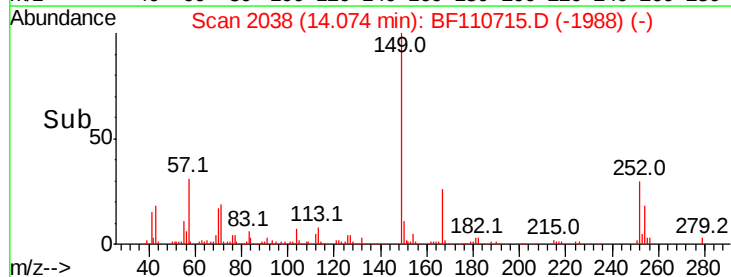
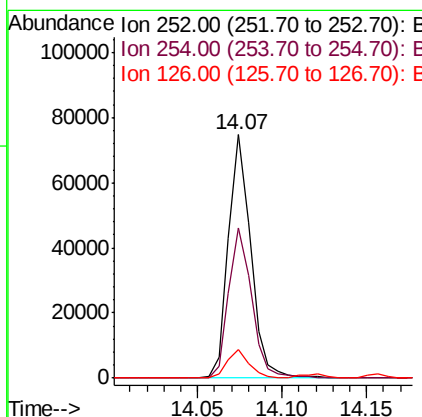
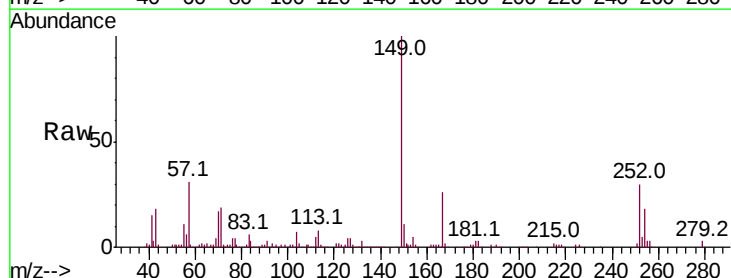
Instrument :
BNA_F
ClientSampleId :
PB114706BS

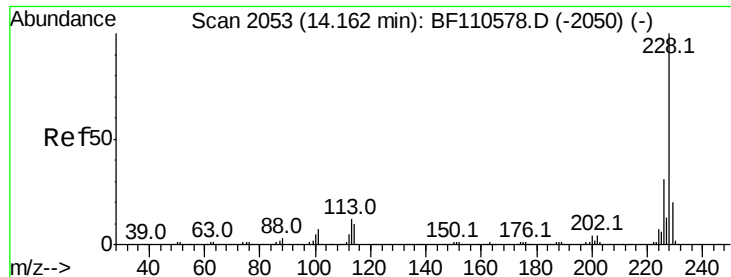
Tot Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.1	33.1
229	19.7	15.6	23.4



#82
3,3'-Dichlorobenzidine
Concen: 22.912 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

Tgt Ion	Ratio	Lower	Upper
252	100		
254	61.6	51.3	76.9
126	11.8	9.4	14.2





#83

Chrysene

Concen: 29.039 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

Instrument :

BNA_F

ClientSampleId :

PB114706BS

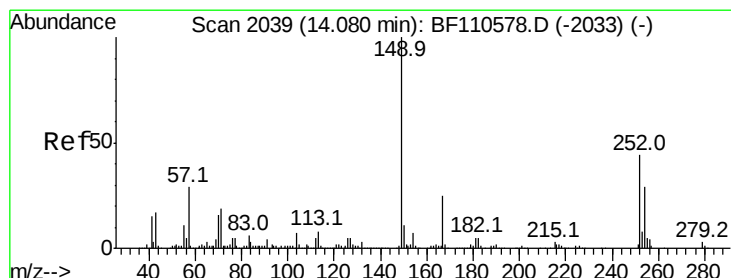
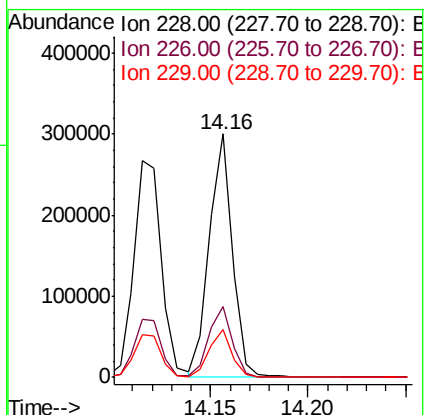
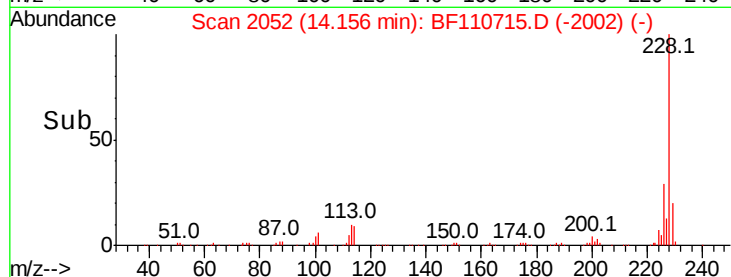
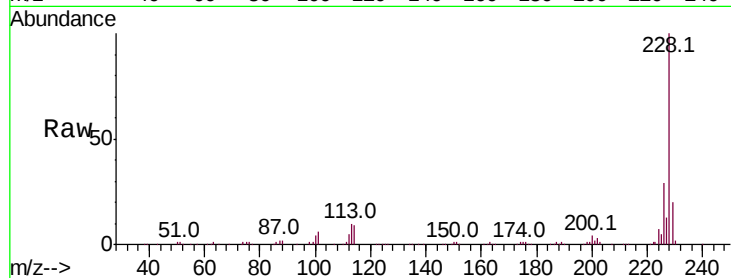
Tot Ion:228 Resp: 247994

Ion Ratio Lower Upper

228 100

226 29.0 24.7 37.1

229 19.7 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 35.777 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

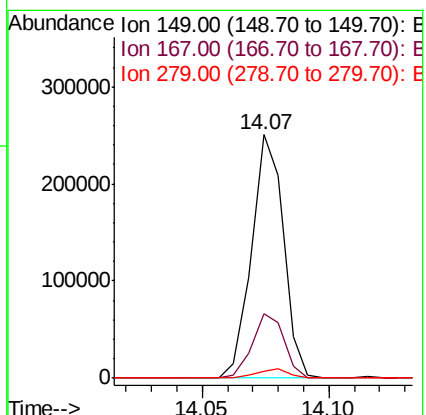
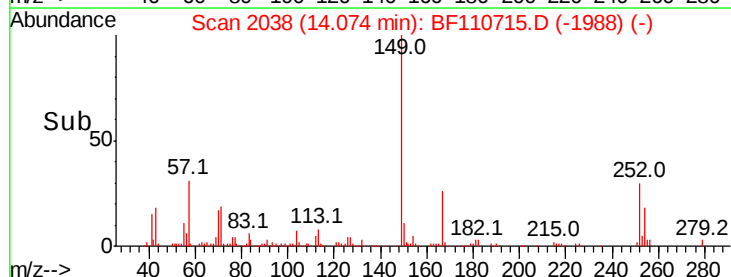
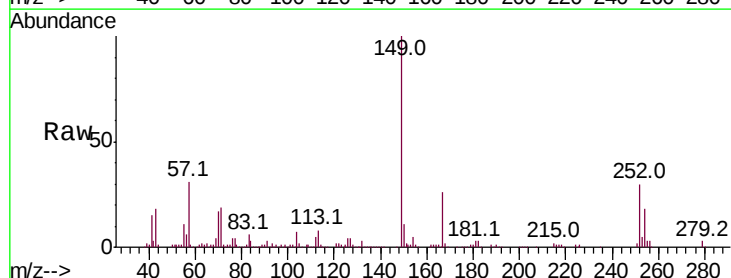
Tgt Ion:149 Resp: 220584

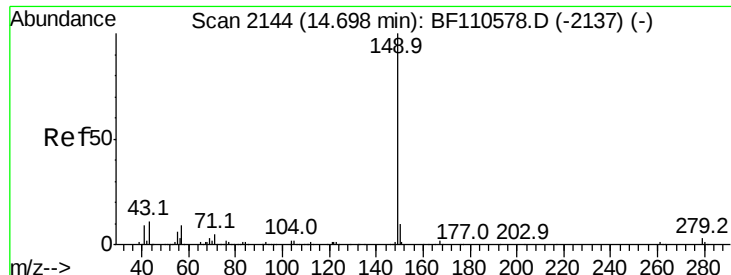
Ion Ratio Lower Upper

149 100

167 26.3 19.8 29.8

279 3.0 2.7 4.1





#85

Di-n-octyl phthalate

Concen: 36.423 ng

RT: 14.69 min Scan# 2143

Delta R.T. -0.01 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

Instrument :

BNA_F

ClientSampleId :

PB114706BS

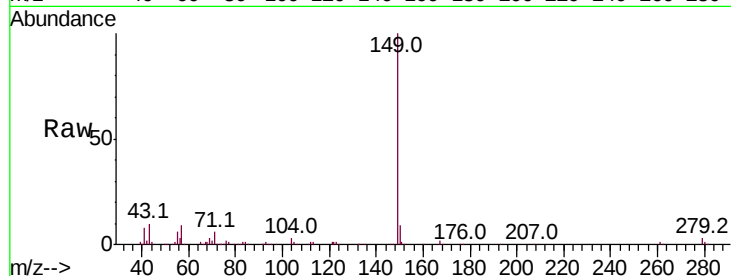
Tot Ion:149 Resp: 330236

Ion Ratio Lower Upper

149 100

167 1.6 1.1 1.7

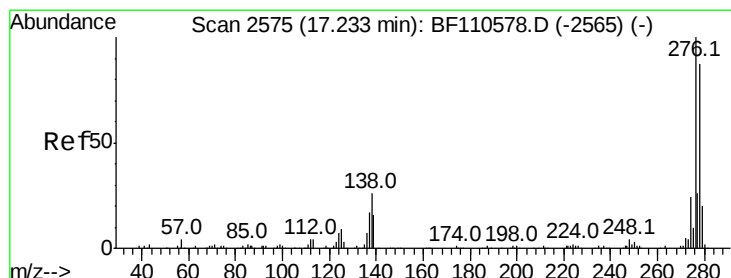
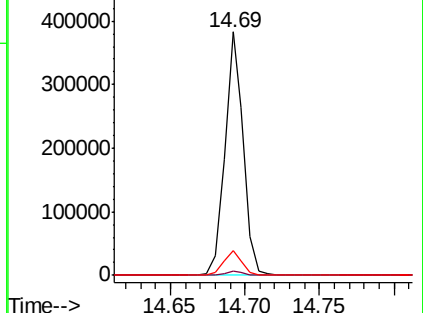
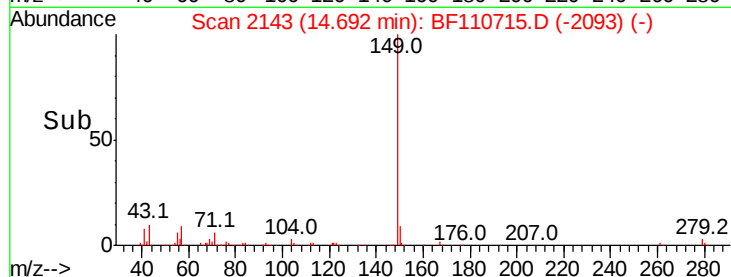
43 10.3 7.8 11.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 35.174 ng

RT: 17.22 min Scan# 2573

Delta R.T. -0.01 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

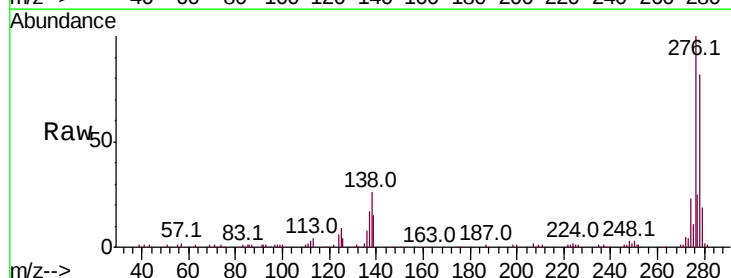
Tgt Ion:276 Resp: 215555

Ion Ratio Lower Upper

276 100

138 26.0 18.5 27.7

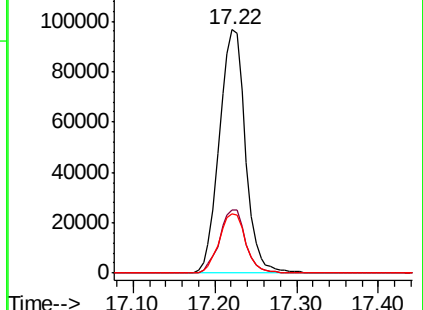
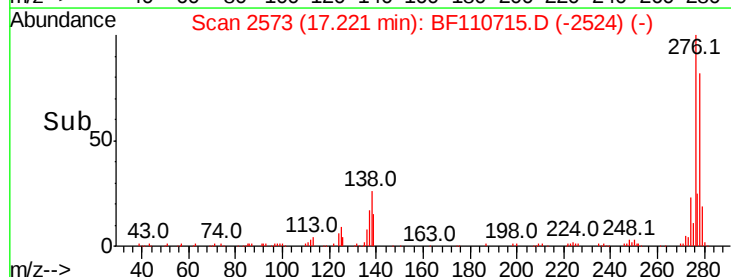
277 24.7 20.0 30.0

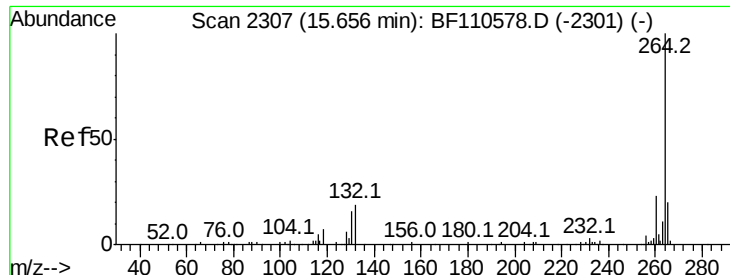


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



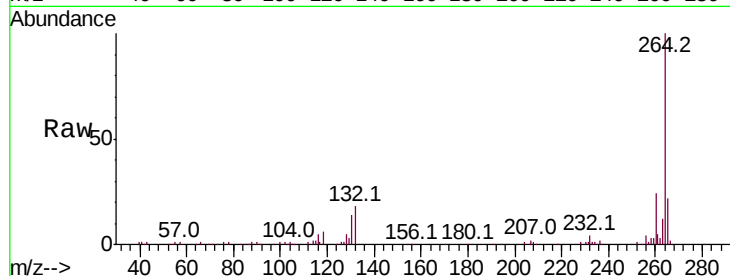


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. -0.00 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

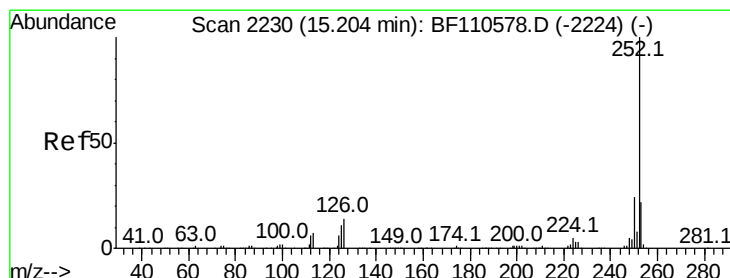
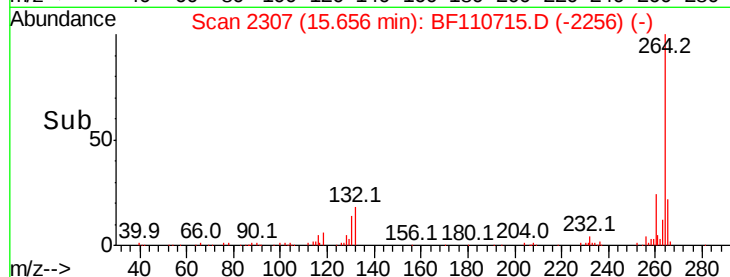
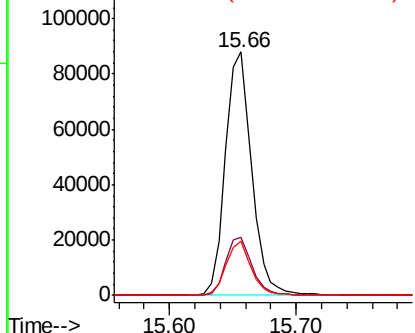
Instrument :
BNA_F
ClientSampleId :
PB114706BS

Tot Ion:264 Resp: 126051

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	22.1	16.7	25.1



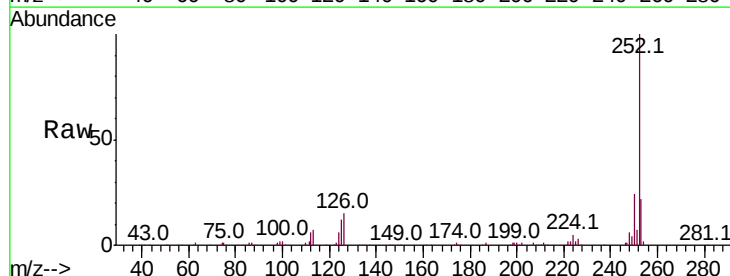
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



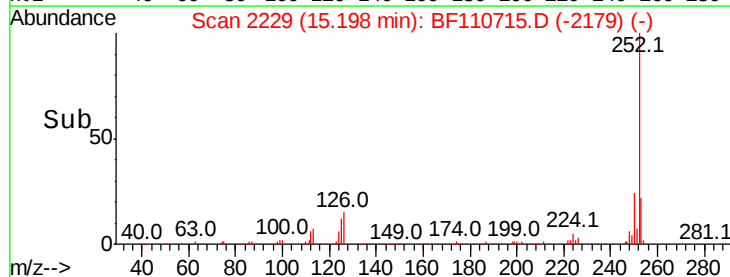
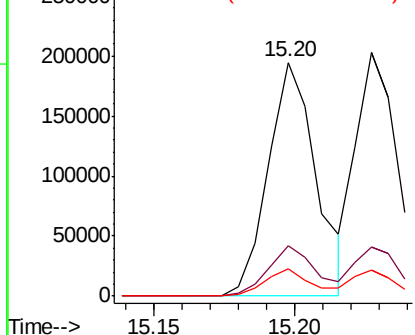
#88
Benzo(b)fluoranthene
Concen: 30.456 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

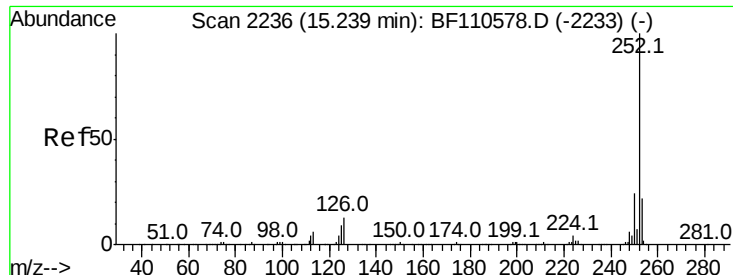
Tgt Ion:252 Resp: 229666

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	11.6	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

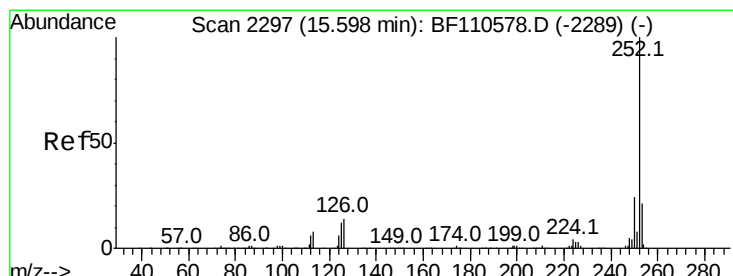
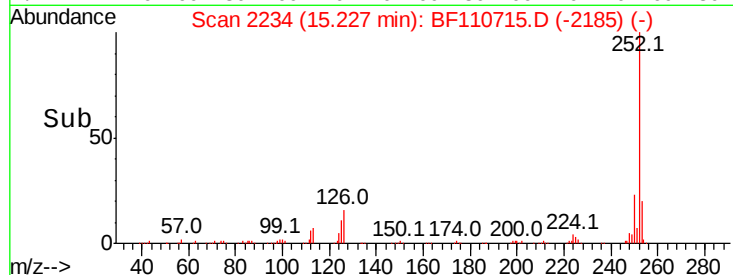
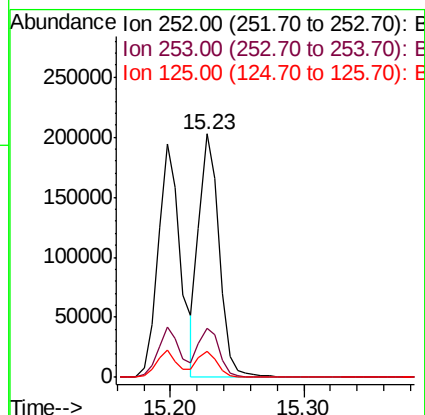
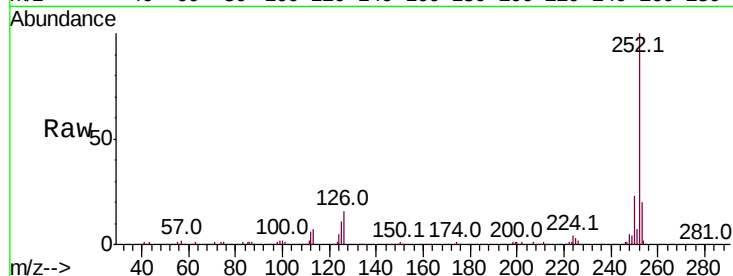




#89
Benzo(k)fluoranthene
Concen: 28.198 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

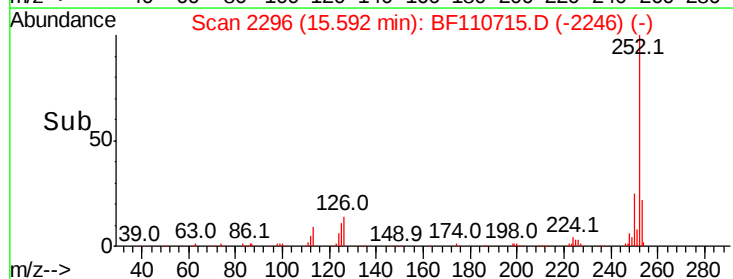
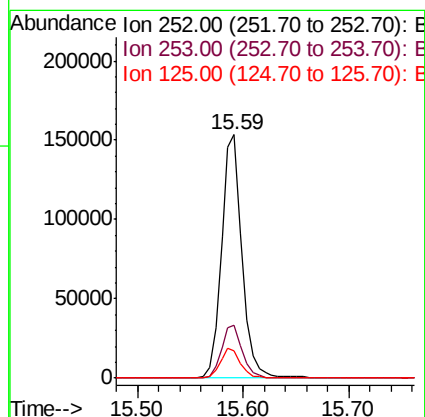
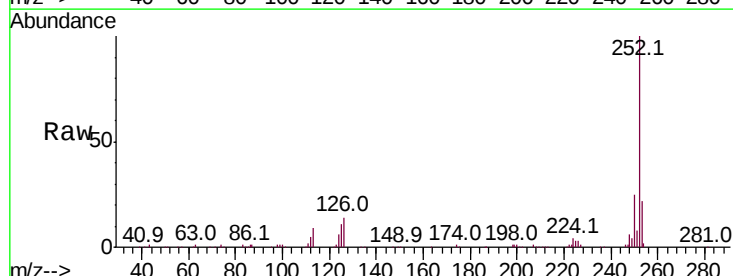
Instrument :
BNA_F
ClientSampleId :
PB114706BS

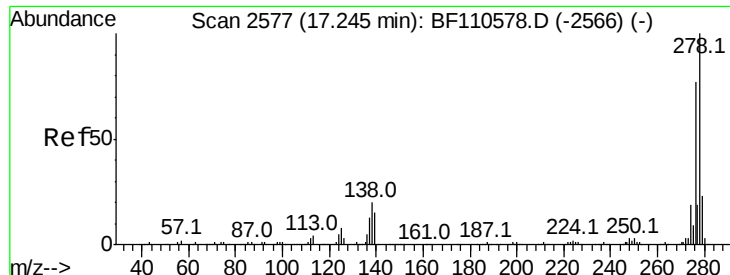
Tot Ion	Ratio	Lower	Upper
252	100		
253	20.3	17.2	25.8
125	10.9	7.4	11.0



#90
Benzo(a)pyrene
Concen: 30.221 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF110715.D
Acq: 13 Nov 2018 10:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.2	27.4
125	11.1	9.0	13.6





#91

Dibenzo(a,h)anthracene

Concen: 31.385 ng

RT: 17.23 min Scan# 2574

Delta R.T. -0.02 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

Instrument :

BNA_F

ClientSampleId :

PB114706BS

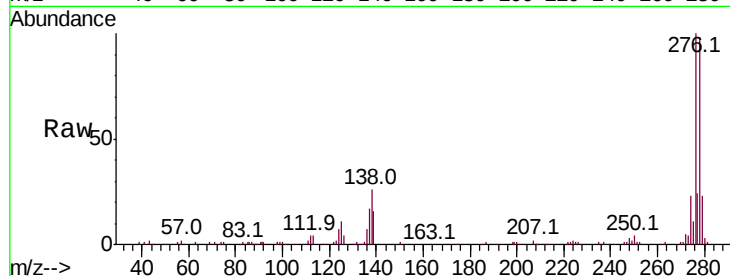
Tot Ion:278 Resp: 181972

Ion Ratio Lower Upper

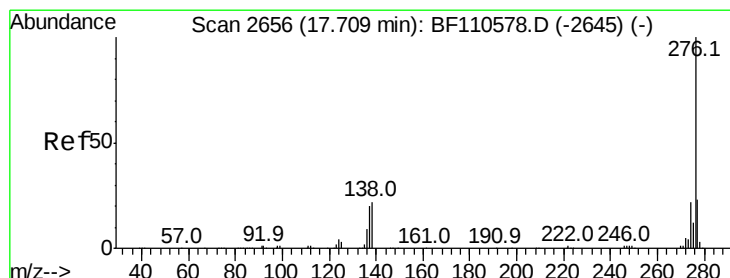
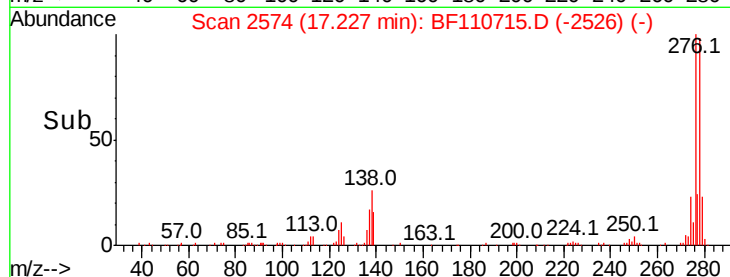
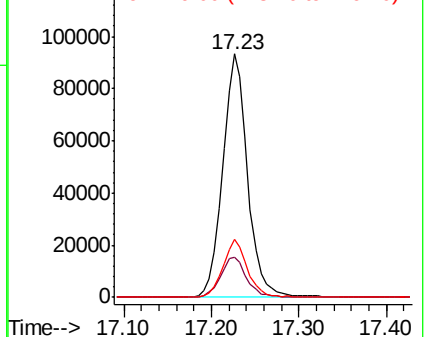
278 100

139 16.6 12.7 19.1

279 23.7 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: 29.380 ng

RT: 17.70 min Scan# 2655

Delta R.T. -0.01 min

Lab File: BF110715.D

Acq: 13 Nov 2018 10:49

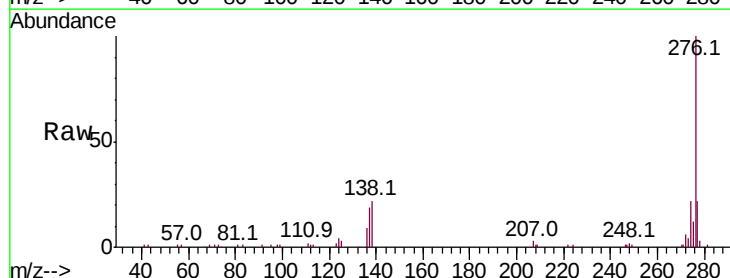
Tgt Ion:276 Resp: 169010

Ion Ratio Lower Upper

276 100

277 22.0 18.8 28.2

138 22.1 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

