

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
 Data File : BF106683.D
 Acq On : 22 Jun 2018 1:22
 Operator : JU/SJ
 Sample : J3523-02MS 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AREA1(S)MS

Quant Time: Jun 22 03:25:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 19 14:32:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	58945	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	217854	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	101460	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	201628	20.00	ng	0.00
75) Chrysene-d12	14.15	240	166970	20.00	ng	0.00
86) Perylene-d12	15.68	264	124382	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	88469	25.41	ng	0.00
7) Phenol-d6	6.60	99	111696	25.69	ng	0.00
23) Nitrobenzene-d5	7.52	82	64755	16.52	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	21143	17.98	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	124291	7.24	ng	-0.01
78) Terphenyl-d14	13.08	244	151484	21.98	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.80	88	12048	6.732	ng	99
3) Pyridine	3.60	79	32847	6.768	ng	92
4) n-Nitrosodimethylamine	3.54	42	13236	6.421	ng	82
6) Aniline	6.62	93	27963	4.742	ng	# 86
8) 2-Chlorophenol	6.75	128	29693	7.777	ng	98
9) Benzaldehyde	6.51	77	17993	4.889	ng	95
10) Phenol	6.61	94	43843	8.837	ng	96
11) bis(2-Chloroethyl)ether	6.69	93	31916	7.793	ng	97
12) 1,3-Dichlorobenzene	6.90	146	35998	8.050	ng	97
13) 1,4-Dichlorobenzene	6.98	146	36263	8.021	ng	99
14) 1,2-Dichlorobenzene	7.13	146	34760	8.389	ng	97
15) Benzyl Alcohol	7.10	79	26864	7.696	ng	91
16) 2,2'-oxybis(1-Chloropropan	7.23	45	47018	8.750	ng	91
17) 2-Methylphenol	7.22	107	25234	7.723	ng	# 94
18) Hexachloroethane	7.47	117	6678	4.200	ng	# 87
19) n-Nitroso-di-n-propylamine	7.36	70	21835	7.620	ng	95
20) 3+4-Methylphenols	7.37	107	32491	6.915	ng	86
22) Acetophenone	7.37	105	45066	9.246	ng	# 95
24) Nitrobenzene	7.54	77	31890	7.968	ng	99
25) Isophorone	7.78	82	56925	8.241	ng	100
26) 2-Nitrophenol	7.86	139	7511	3.975	ng	97
27) 2,4-Dimethylphenol	7.90	122	25668	8.790	ng	99
28) bis(2-Chloroethoxy)methane	7.98	93	36050	7.773	ng	99
29) 2,4-Dichlorophenol	8.11	162	23464	7.675	ng	95
30) 1,2,4-Trichlorobenzene	8.18	180	28296	8.401	ng	97
31) Naphthalene	8.27	128	91562	8.990	ng	99
32) Benzoic acid	7.90	122	25668	16.372	ng	# 14
33) 4-Chloroaniline	8.31	127	23075	5.399	ng	98
34) Hexachlorobutadiene	8.37	225	18883	8.604	ng	98
35) Caprolactam	8.65	113	6426	6.448	ng	97
36) 4-Chloro-3-methylphenol	8.80	107	23616	7.339	ng	95
37) 2-Methylnaphthalene	8.96	142	62702	9.288	ng	95
39) 1,2,4,5-Tetrachlorobenzene	9.12	216	29547	8.647	ng	# 95
42) 2,4,6-Trichlorophenol	9.24	196	8695	3.828	ng	93

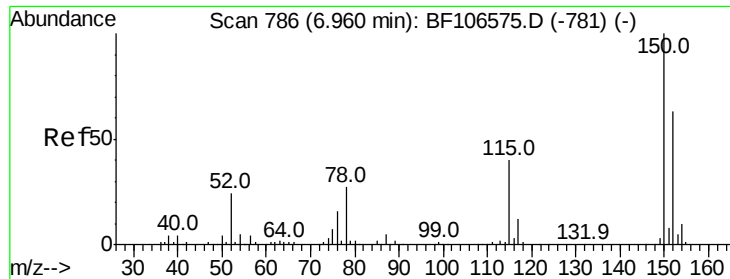
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.29	196	13856	5.846	ng	# 90
45) 1,1'-Biphenyl	9.42	154	70377	8.704	ng	97
46) 2-Chloronaphthalene	9.45	162	49871	7.836	ng	94
47) 2-Nitroaniline	9.54	65	16358	7.643	ng	87
48) Acenaphthylene	9.87	152	79399	7.901	ng	98
49) Dimethylphthalate	9.71	163	79111	10.396	ng	98
50) 2,6-Dinitrotoluene	9.78	165	8826	5.477	ng	92
51) Acenaphthene	10.04	154	51727	8.175	ng	97
52) 3-Nitroaniline	9.95	138	13716	7.397	ng	98
54) Dibenzofuran	10.21	168	77042	8.892	ng	94
55) 4-Nitrophenol	10.15	139	1168	0.902	ng	# 77
56) 2,4-Dinitrotoluene	10.19	165	10309	4.901	ng	# 86
57) Fluorene	10.55	166	62678	9.116	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.33	232	3161	1.678	ng	# 63
59) Diethylphthalate	10.41	149	54833	7.466	ng	94
60) 4-Chlorophenyl-phenylether	10.54	204	28491	7.920	ng	# 83
61) 4-Nitroaniline	10.57	138	15186	8.252	ng	98
62) Azobenzene	10.70	77	50363	6.963	ng	93
65) n-Nitrosodiphenylamine	10.66	169	49094	7.239	ng	99
66) 4-Bromophenyl-phenylether	11.03	248	18526	7.699	ng	# 81
67) Hexachlorobenzene	11.10	284	19009	7.548	ng	# 84
68) Atrazine	11.18	200	17217	7.986	ng	91
69) Pentachlorophenol	11.30	266	655	0.521	ng	96
70) Phenanthrene	11.52	178	139469	14.341	ng	98
71) Anthracene	11.57	178	100252	10.100	ng	98
72) Carbazole	11.73	167	80836	8.698	ng	97
73) Di-n-butylphthalate	12.04	149	86209	7.874	ng	99
74) Fluoranthene	12.71	202	166051	15.492	ng	96
76) Benzidine	12.83	184	21331	4.486	ng	97
77) Pyrene	12.95	202	161187	14.639	ng	99
79) Butylbenzylphthalate	13.55	149	36746	8.117	ng	# 98
80) Benzo(a)anthracene	14.14	228	103993	10.219	ng	99
81) 3,3'-Dichlorobenzidine	14.09	252	23674	6.619	ng	# 95
82) Chrysene	14.17	228	96846	10.344	ng	98
83) Bis(2-ethylhexyl)phthalate	14.10	149	58664	10.136	ng	# 97
84) Di-n-octyl phthalate	14.73	149	74883	7.938	ng	# 94
85) Indeno(1,2,3-cd)pyrene	17.26	276	63750	8.024	ng	# 91
87) Benzo(b)fluoranthene	15.22	252	79606	10.303	ng	94
88) Benzo(k)fluoranthene	15.25	252	62021	8.429	ng	97
89) Benzo(a)pyrene	15.62	252	69131	10.065	ng	97
90) Dibenzo(a,h)anthracene	17.27	278	46348	7.962	ng	94
91) Benzo(g,h,i)perylene	17.74	276	54223	9.530	ng	# 91

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.96 min Scan# 786

Delta R.T. 0.00 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA_F

ClientSampleId :

AREA1(S)MS

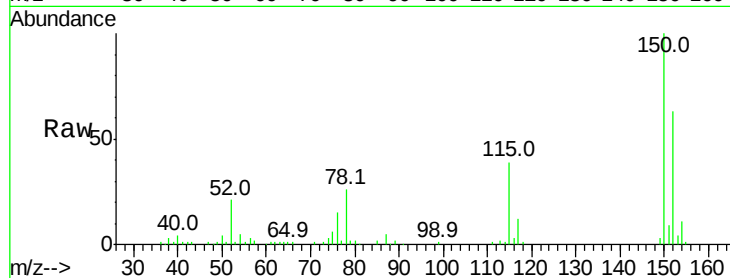
Tot Ion:152 Resp: 58945

Ion Ratio Lower Upper

152 100

150 158.4 124.6 186.8

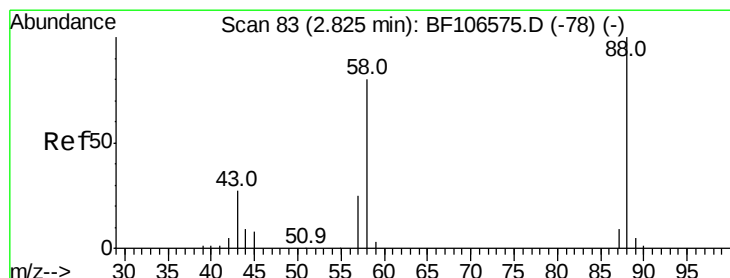
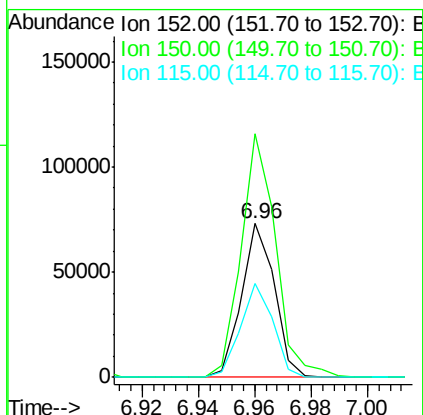
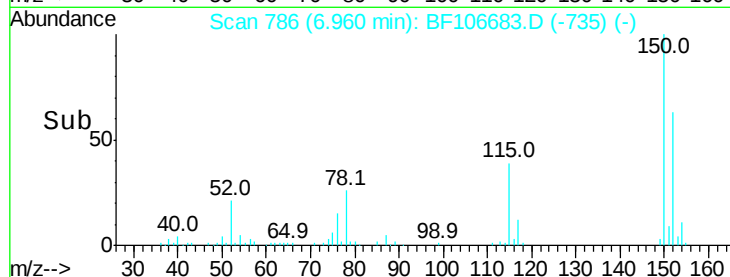
115 61.4 50.1 75.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 6.732 ng

RT: 2.80 min Scan# 79

Delta R.T. -0.02 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

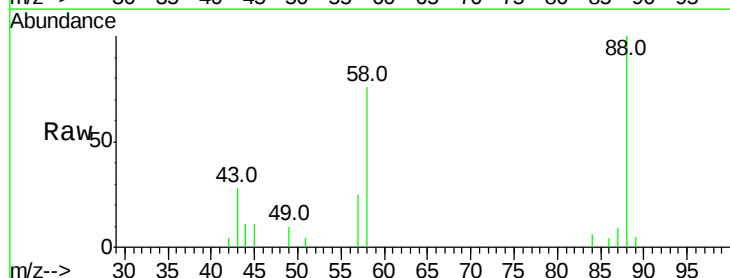
Tgt Ion: 88 Resp: 12048

Ion Ratio Lower Upper

88 100

58 78.5 62.6 93.8

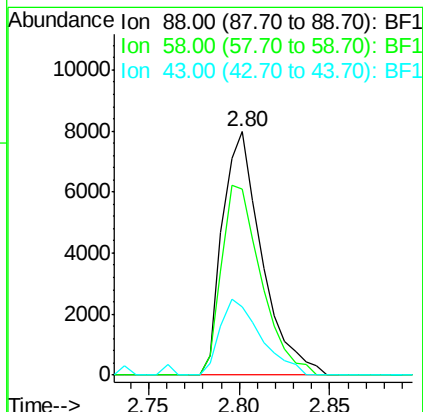
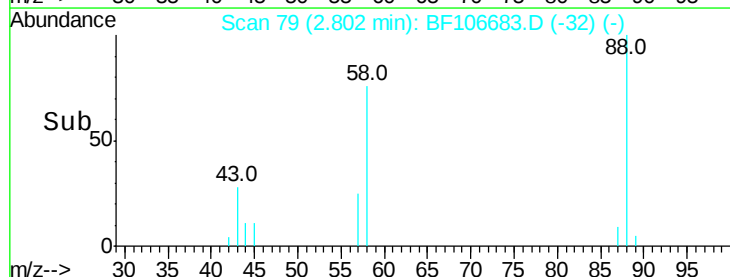
43 32.5 24.6 37.0



Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1

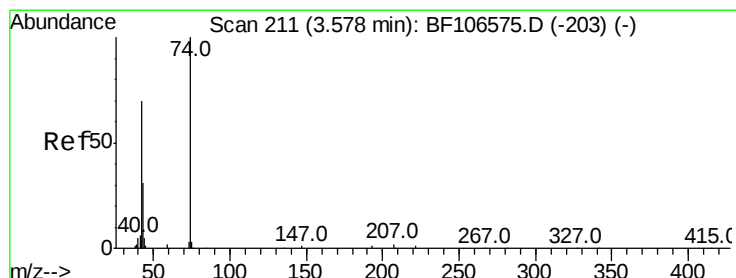
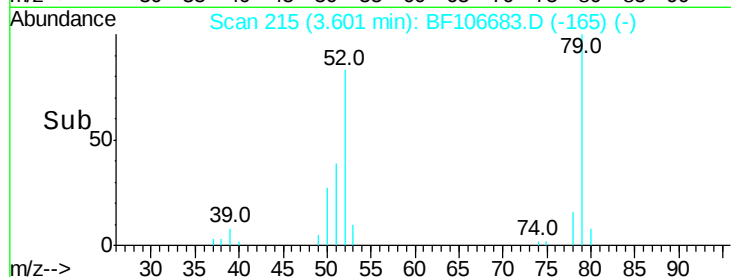
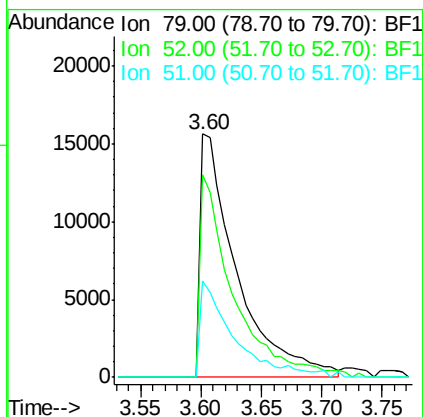
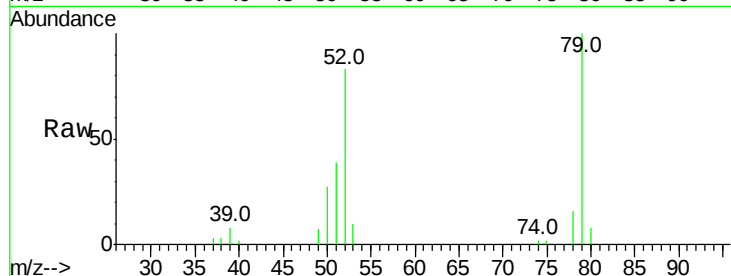




#3
 Pvridine
 Concen: 6.768 ng
 RT: 3.60 min Scan# 215
 Delta R.T. -0.01 min
 Lab File: BF106683.D
 Acq: 22 Jun 2018 1:22

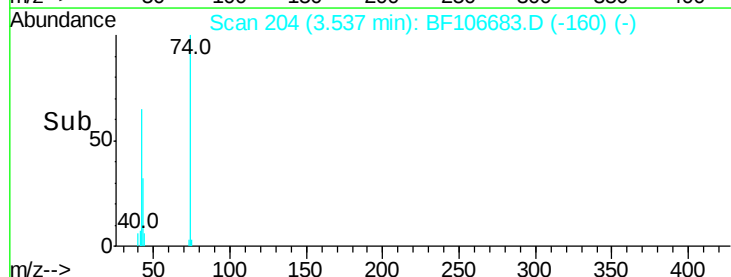
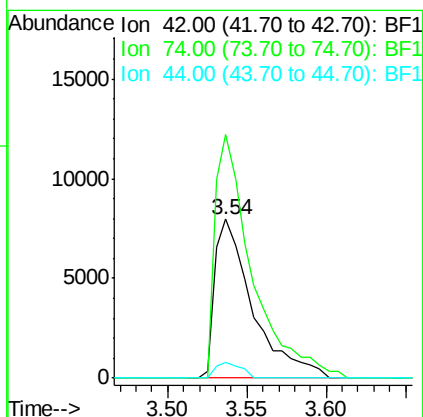
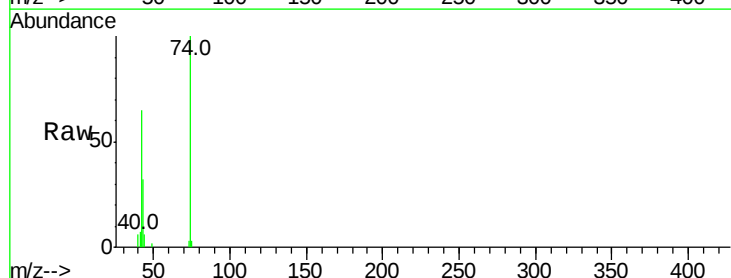
Instrument :
 BNA_F
 ClientSampleId :
 AREA1(S)MS

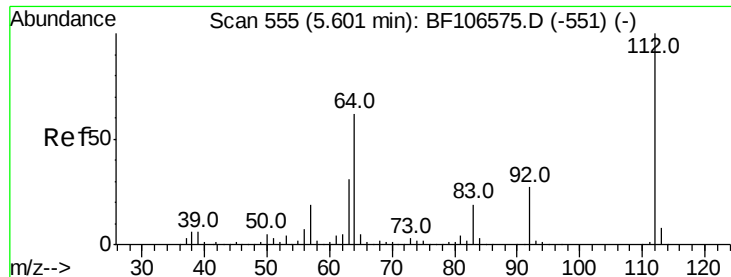
Tot Ion: 79 Resp: 32847
 Ion Ratio Lower Upper
 79 100
 52 83.2 59.8 89.6
 51 39.3 29.8 44.8



#4
 n-Nitrosodimethylamine
 Concen: 6.421 ng
 RT: 3.54 min Scan# 204
 Delta R.T. -0.04 min
 Lab File: BF106683.D
 Acq: 22 Jun 2018 1:22

Tgt Ion: 42 Resp: 13236
 Ion Ratio Lower Upper
 42 100
 74 153.6 104.9 157.3
 44 9.6 6.9 10.3





#5

2-Fluorophenol

Concen: 25.415 ng

RT: 5.60 min Scan# 555

Delta R.T. 0.00 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA_F

ClientSampleId :

AREA1(S)MS

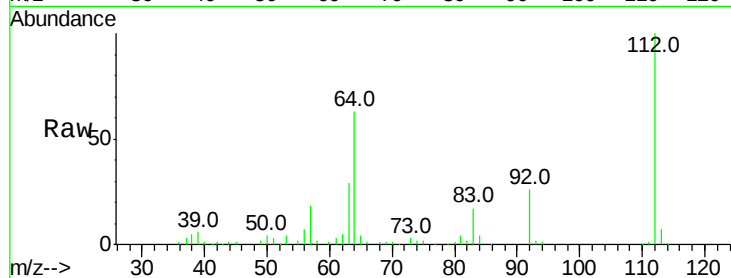
Tot Ion:112 Resp: 88469

Ion Ratio Lower Upper

112 100

64 62.8 47.9 71.9

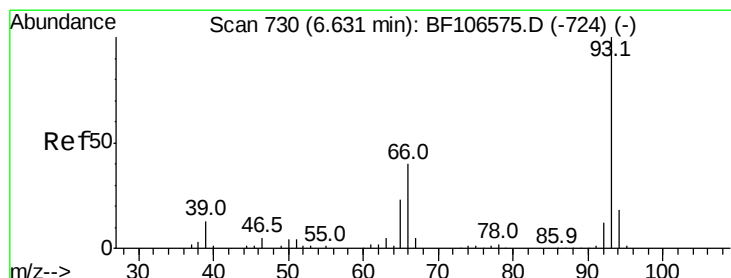
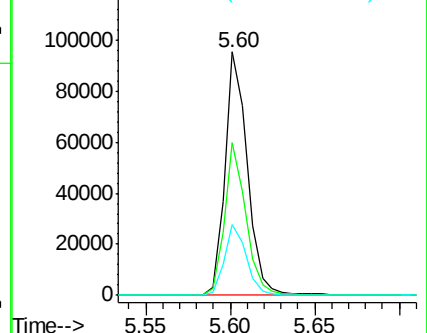
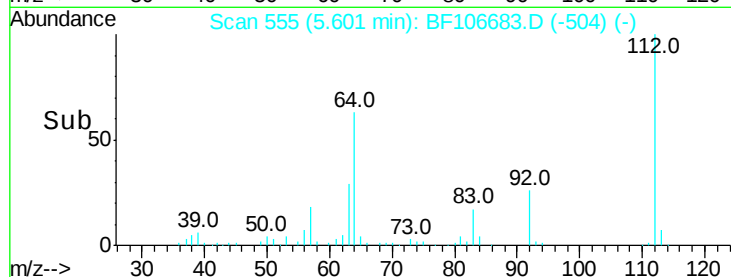
63 29.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 4.742 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

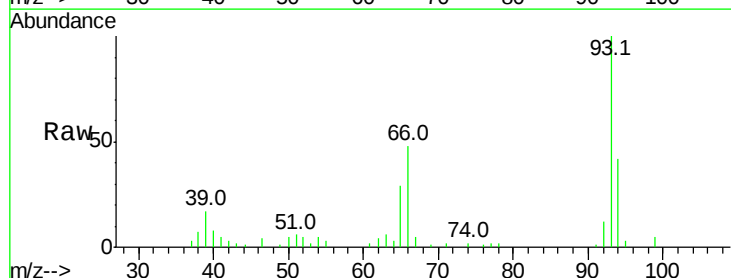
Tgt Ion: 93 Resp: 27963

Ion Ratio Lower Upper

93 100

66 47.8 32.2 48.2

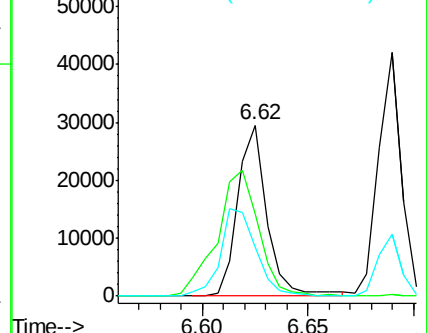
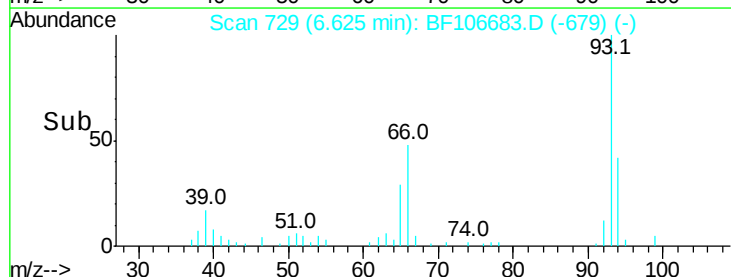
65 28.9 16.4 24.6#



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: 25.694 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA_F

ClientSampleId :

AREA1(S)MS

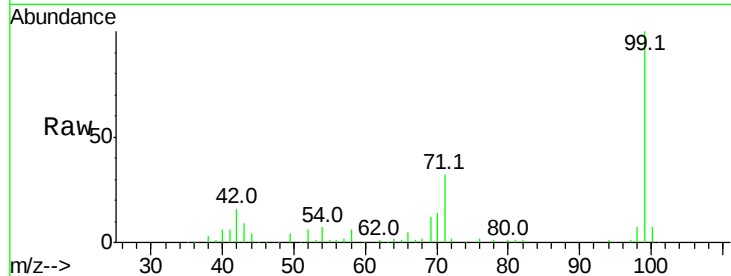
Tot Ion: 99 Resp: 111696

Ion Ratio Lower Upper

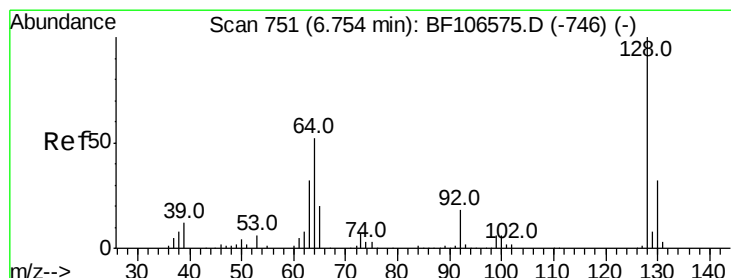
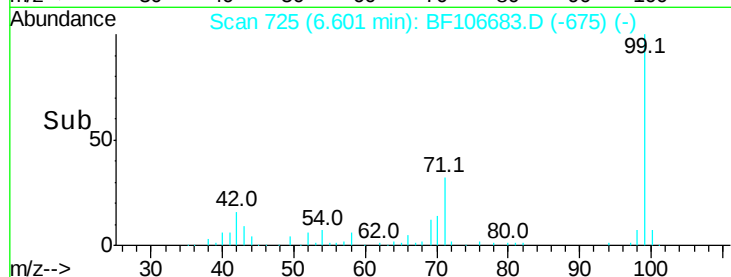
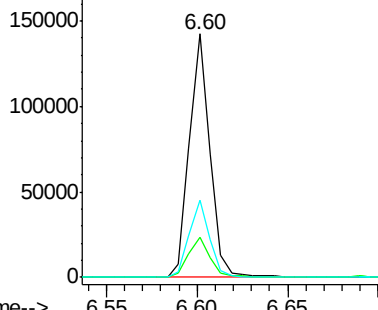
99 100

42 16.2 14.5 21.7

71 32.0 25.4 38.0



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



#8

2-Chlorophenol

Concen: 7.777 ng

RT: 6.75 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

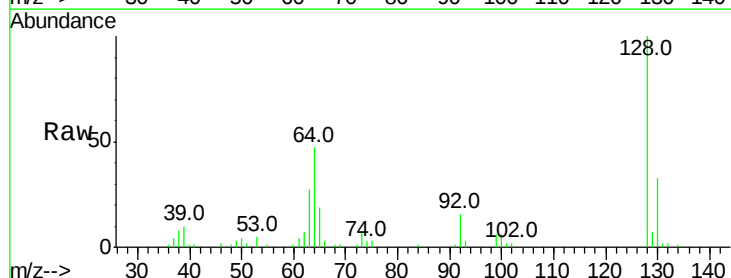
Tgt Ion: 128 Resp: 29693

Ion Ratio Lower Upper

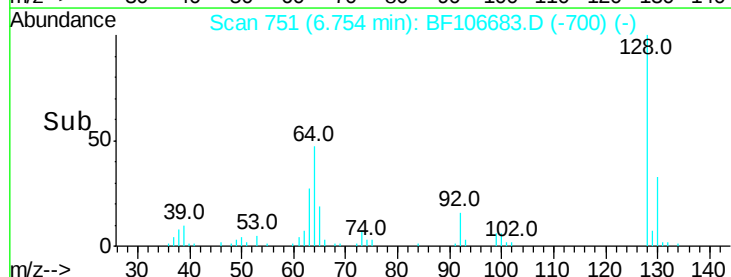
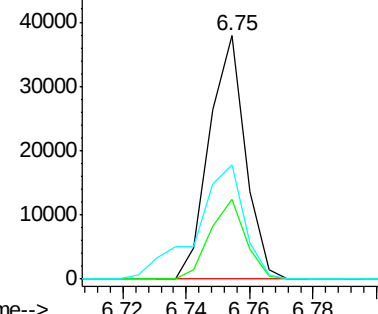
128 100

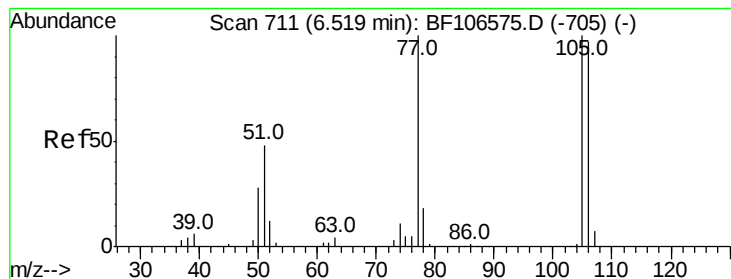
130 32.7 13.0 53.0

64 47.2 29.4 69.4



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





#9

Benzaldehyde

Concen: 4.889 ng

RT: 6.51 min Scan# 710

Delta R.T. -0.00 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

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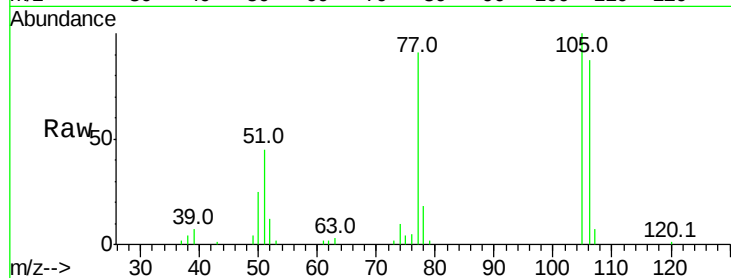
Tot Ion: 77 Resp: 17993

Ion Ratio Lower Upper

77 100

105 109.4 81.1 121.1

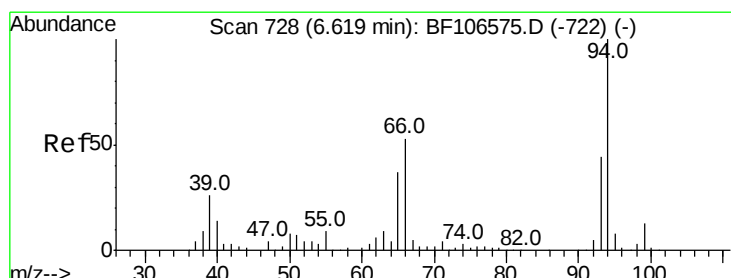
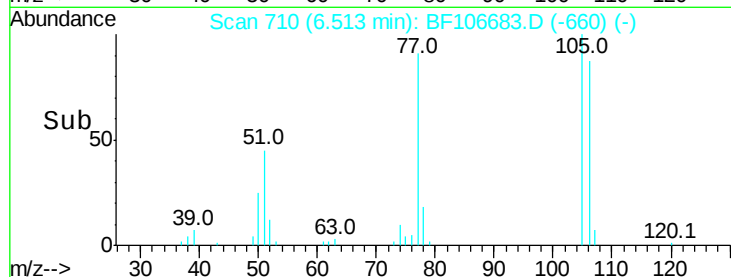
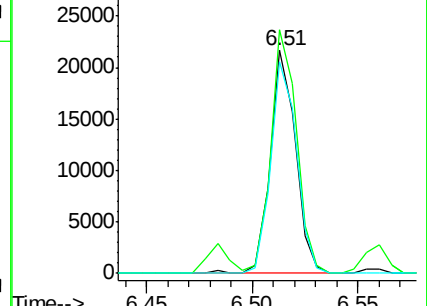
106 95.0 74.5 114.5



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: 8.837 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

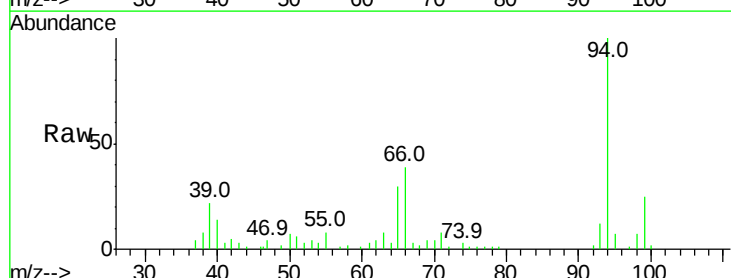
Tgt Ion: 94 Resp: 43843

Ion Ratio Lower Upper

94 100

65 29.7 7.9 47.9

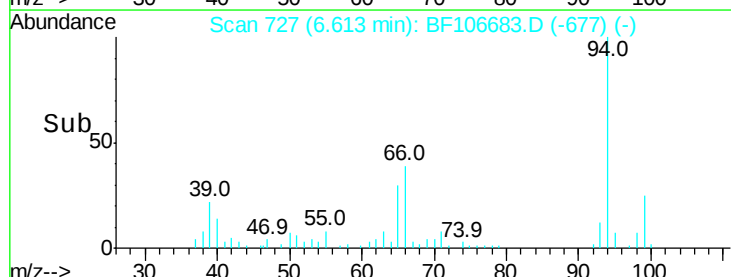
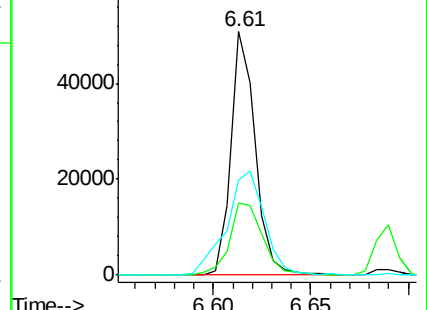
66 39.0 16.2 56.2

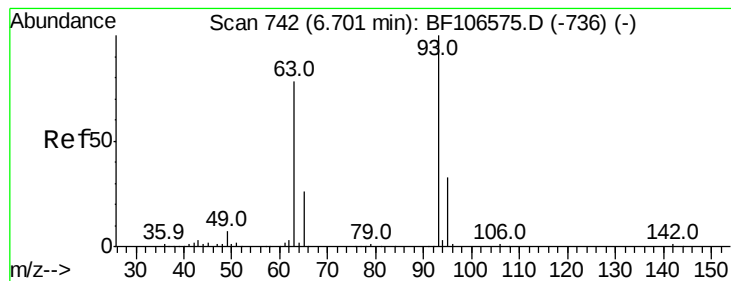


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

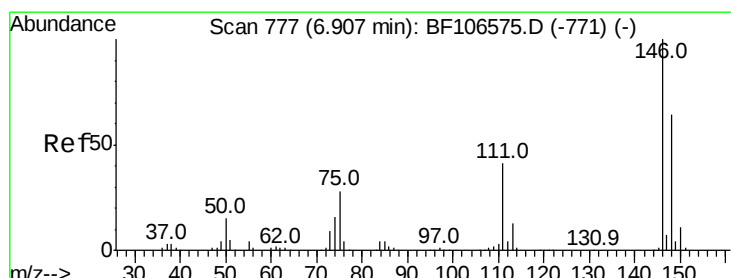
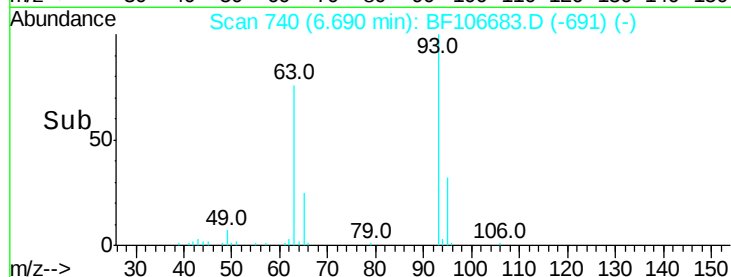
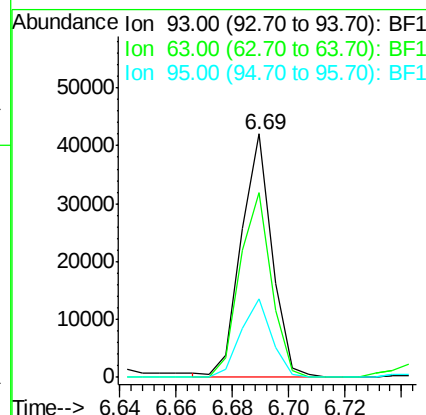
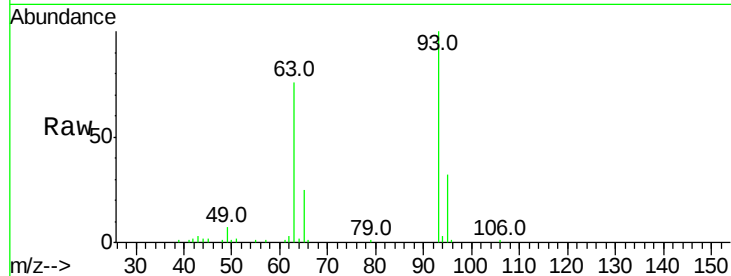




#11
bis(2-Chloroethyl)ether
Concen: 7.793 ng
RT: 6.69 min Scan# 740
Delta R.T. -0.01 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

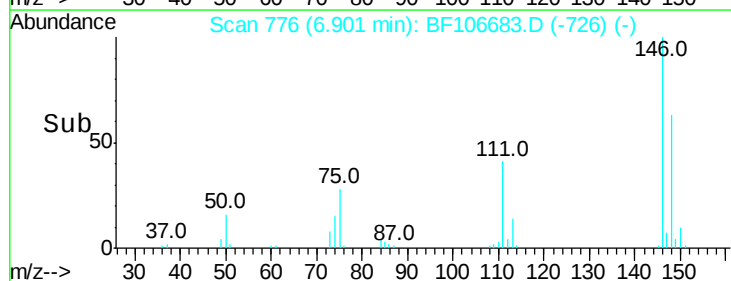
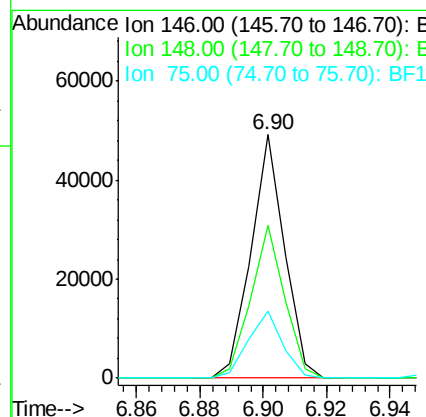
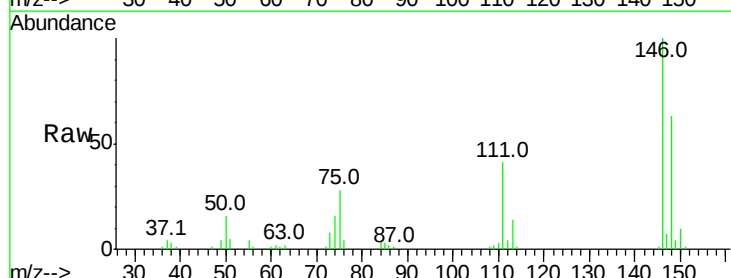
Instrument :
BNA_F
ClientSampleId :
AREA1(S)MS

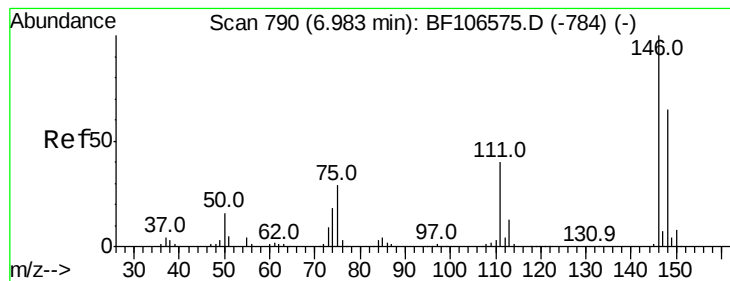
Tot Ion: 93 Resp: 31916
Ion Ratio Lower Upper
93 100
63 75.7 58.6 98.6
95 32.1 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 8.050 ng
RT: 6.90 min Scan# 776
Delta R.T. -0.01 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

Tgt Ion: 146 Resp: 35998
Ion Ratio Lower Upper
146 100
148 62.7 51.8 77.8
75 27.7 24.2 36.4





#13

1,4-Dichlorobenzene

Concen: 8.021 ng

RT: 6.98 min Scan# 789

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA_F

ClientSampleId :

AREA1(S)MS

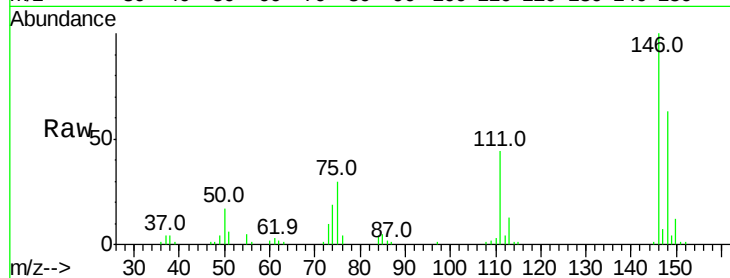
Tot Ion:146 Resp: 36263

Ion Ratio Lower Upper

146 100

148 63.2 50.8 76.2

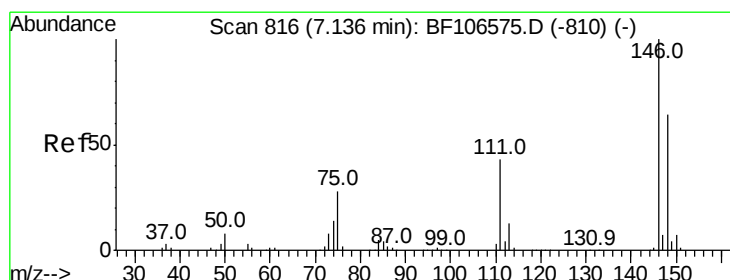
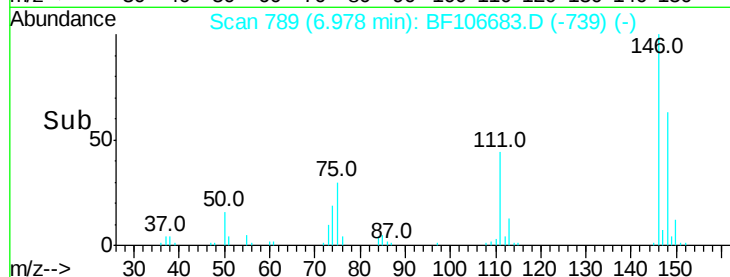
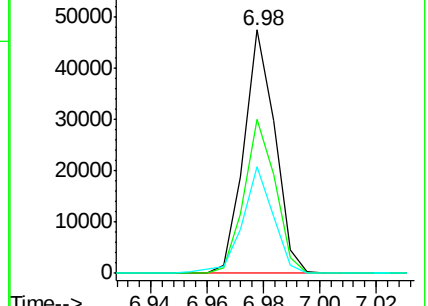
111 43.6 34.2 51.2



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: 8.389 ng

RT: 7.13 min Scan# 815

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

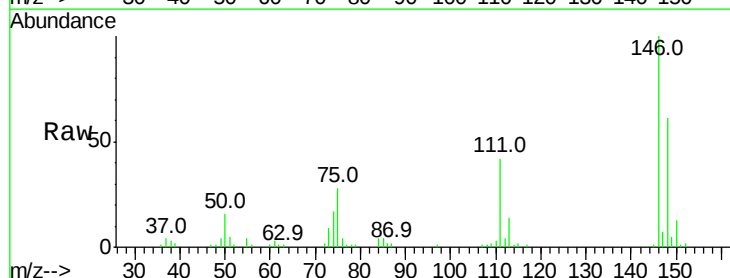
Tgt Ion:146 Resp: 34760

Ion Ratio Lower Upper

146 100

148 61.4 50.6 75.8

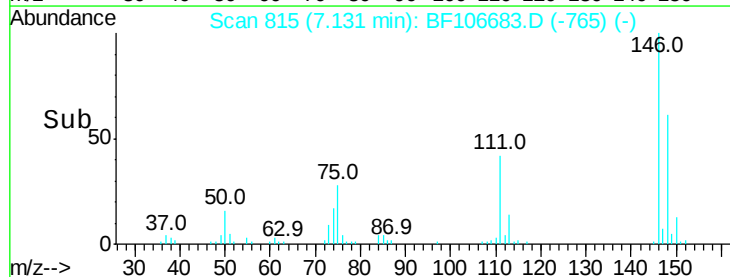
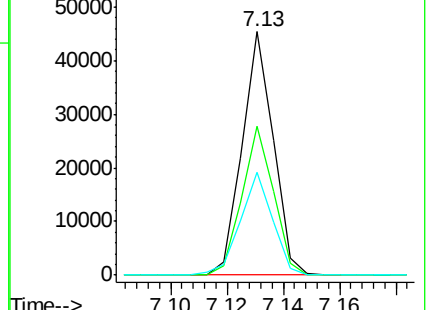
111 42.5 36.0 54.0



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

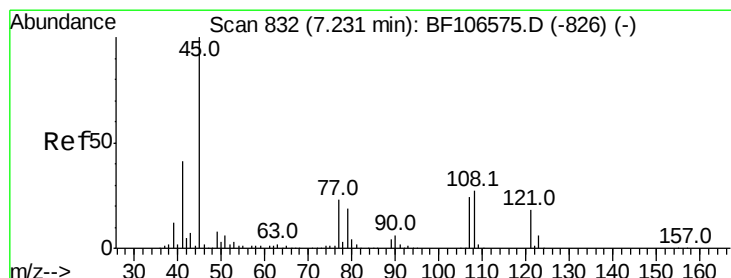
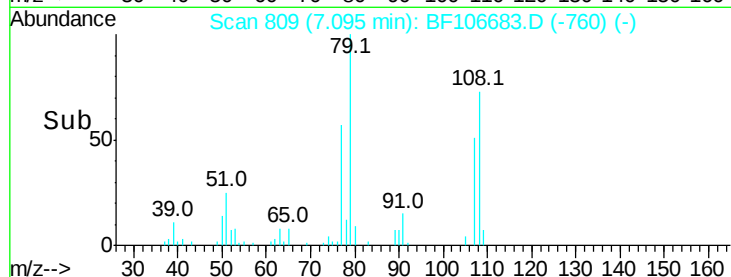
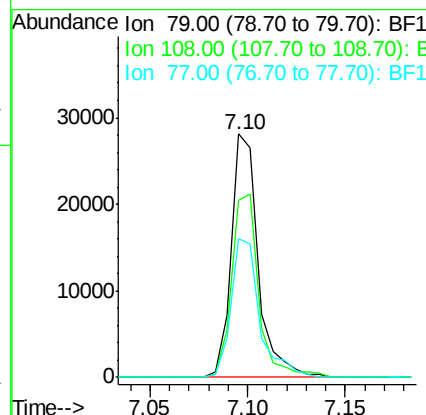
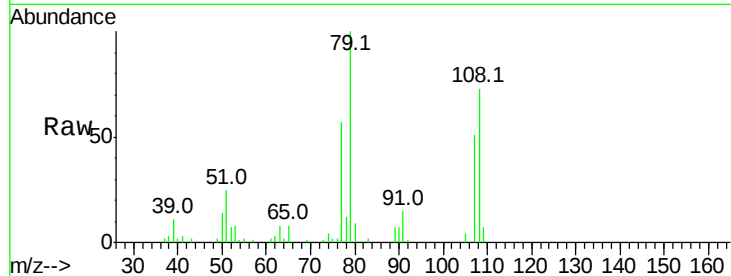




#15
Benzyl Alcohol
Concen: 7.696 ng
RT: 7.10 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

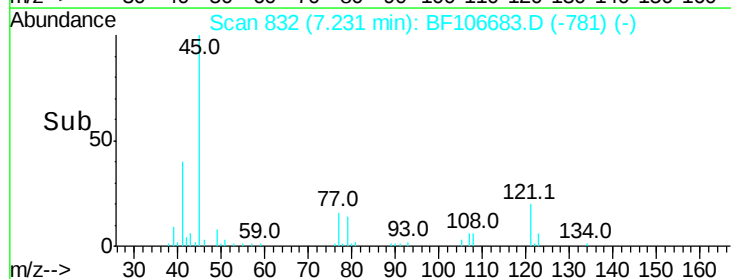
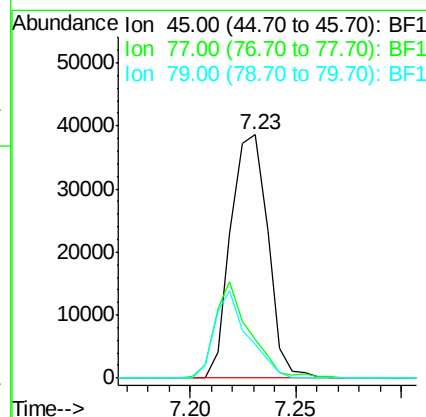
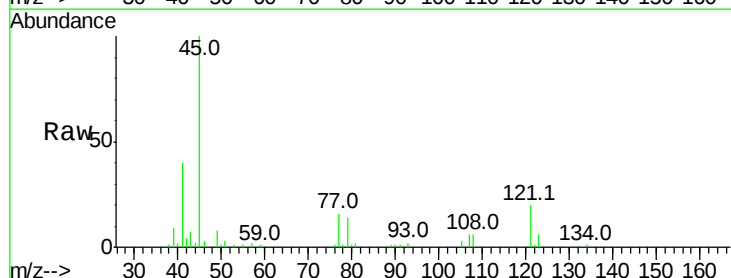
Instrument :
BNA_F
ClientSampleId :
AREA1(S)MS

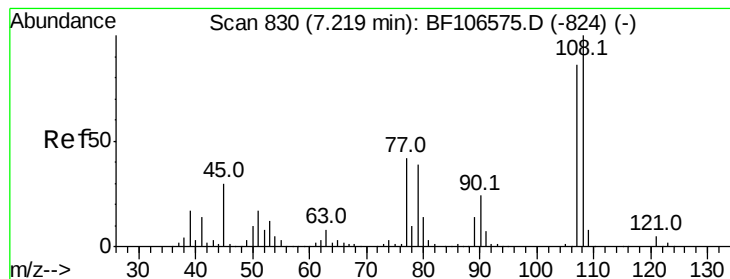
Tot Ion: 79 Resp: 26864
Ion Ratio Lower Upper
79 100
108 72.6 65.1 97.7
77 57.0 50.6 75.8



#16
2,2'-oxybis(1-chloropropane)
Concen: 8.750 ng
RT: 7.23 min Scan# 832
Delta R.T. 0.00 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

Tgt Ion: 45 Resp: 47018
Ion Ratio Lower Upper
45 100
77 16.0 0.0 32.9
79 13.9 0.0 29.6





#17

2-Methylphenol

Concen: 7.723 ng

RT: 7.22 min Scan# 830

Delta R.T. 0.00 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA_F

ClientSampleId :

AREA1(S)MS

Tot Ion:107 Resp: 25234

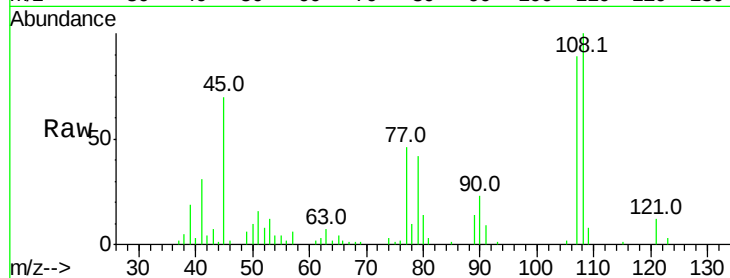
Ion Ratio Lower Upper

107 100

108 112.5 91.7 137.5

77 52.1 33.8 50.8#

79 47.3 33.8 50.8

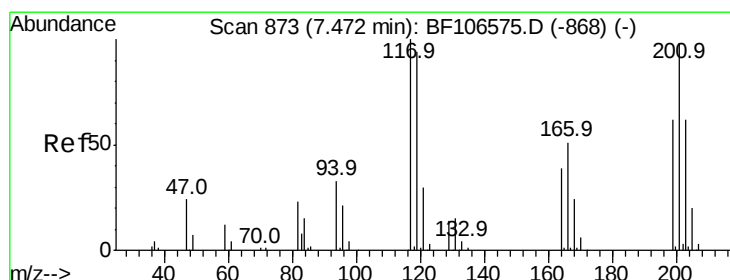
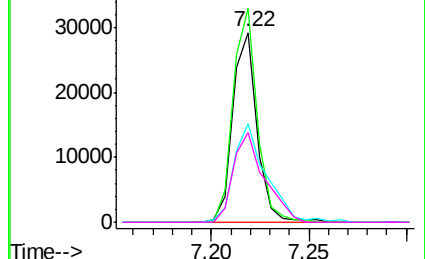
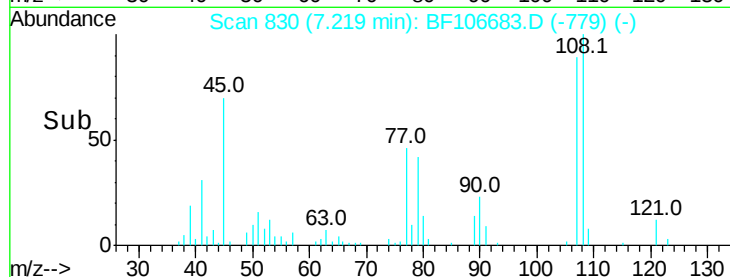


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 4.200 ng

RT: 7.47 min Scan# 873

Delta R.T. 0.00 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

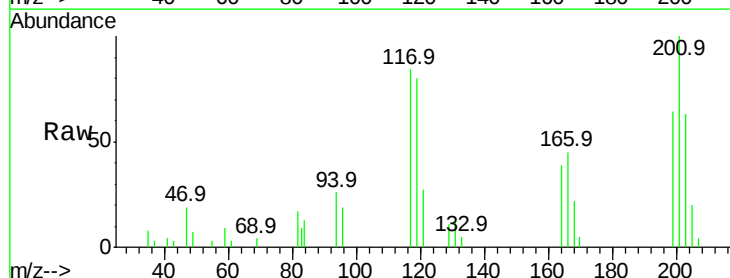
Tgt Ion:117 Resp: 6678

Ion Ratio Lower Upper

117 100

119 94.6 75.8 113.8

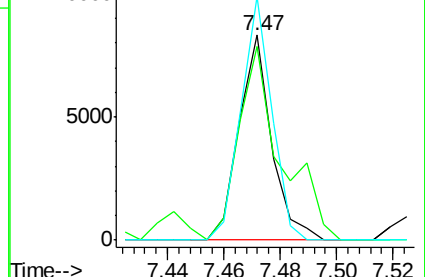
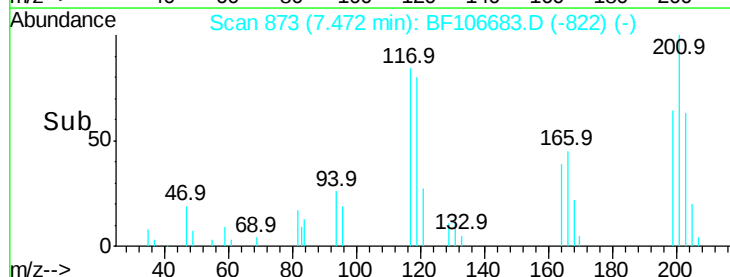
201 118.8 75.7 113.5#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

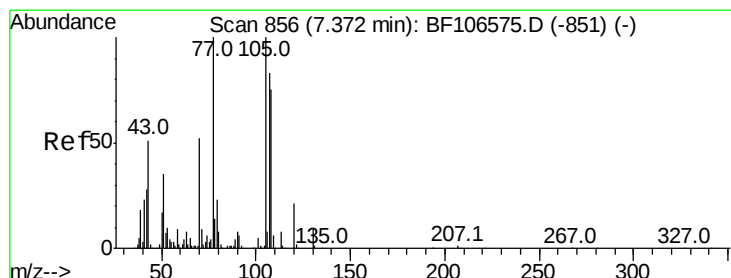
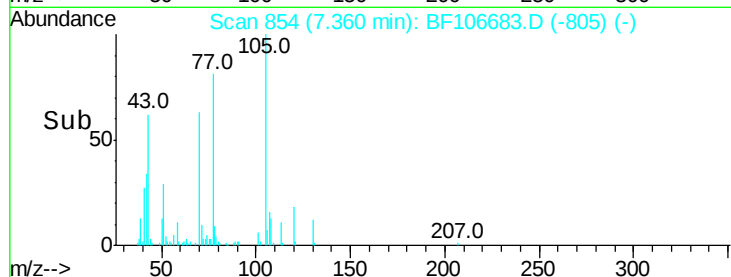
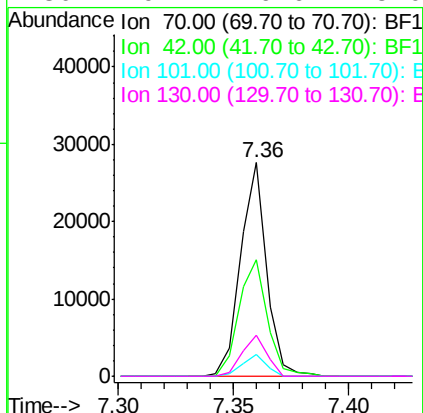
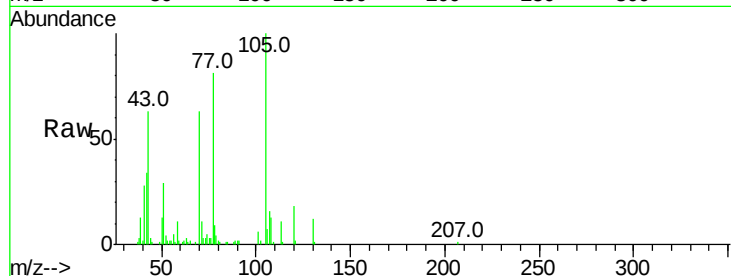




#19
n-Nitroso-di-n-propylamine
Concen: 7.620 ng
RT: 7.36 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

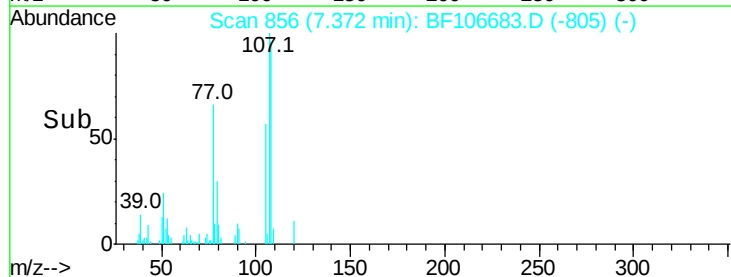
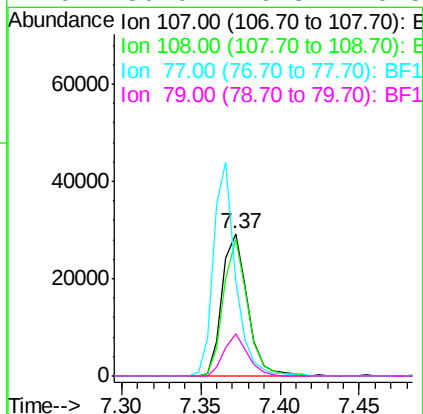
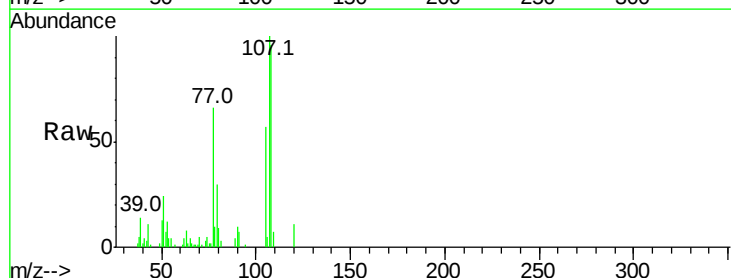
Instrument :
BNA_F
ClientSampleId :
AREA1(S)MS

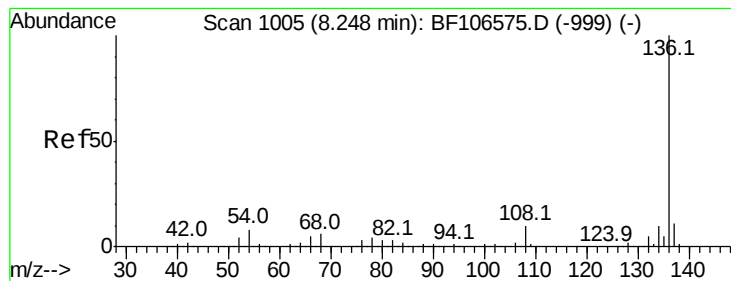
Tot Ion:	70	Resp:	21835
Ion	Ratio	Lower	Upper
70	100		
42	54.3	47.5	71.3
101	10.0	7.4	11.2
130	19.2	16.6	25.0



#20
3+4-Methylphenols
Concen: 6.915 ng
RT: 7.37 min Scan# 856
Delta R.T. 0.00 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

Tgt Ion:	107	Resp:	32491
Ion	Ratio	Lower	Upper
107	100		
108	96.3	68.2	108.2
77	66.1	26.7	66.7
79	30.0	6.3	46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA_F

ClientSampleId :

AREA1(S)MS

Tot Ion:136 Resp: 217854

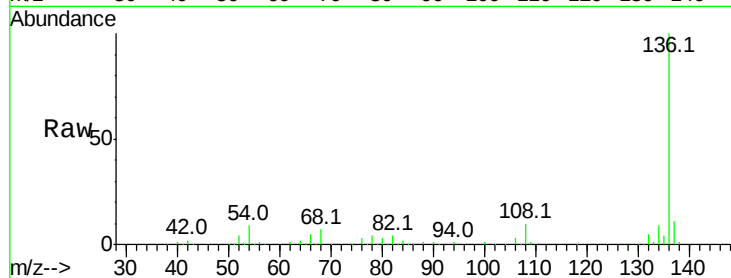
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.6 6.6 9.8

68 6.7 5.0 7.4

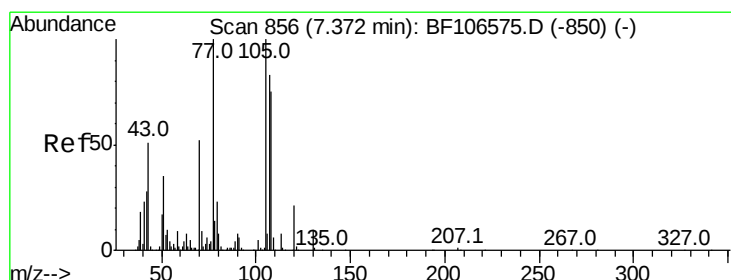
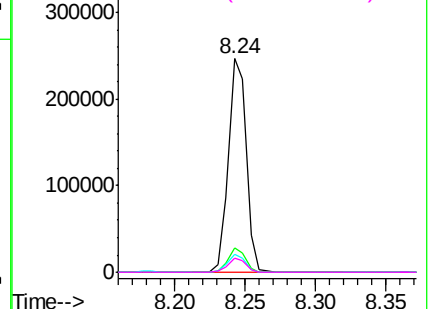
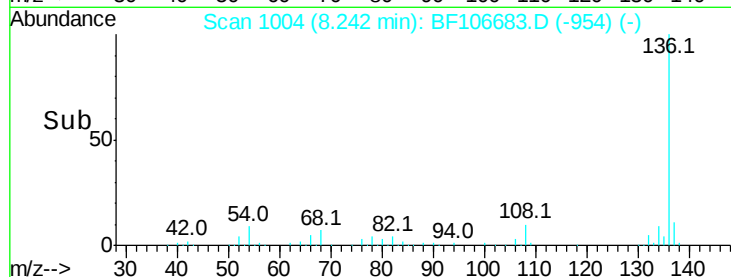


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 9.246 ng

RT: 7.37 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Tgt Ion:105 Resp: 45066

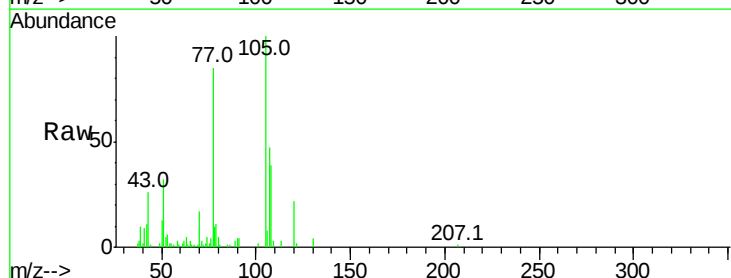
Ion Ratio Lower Upper

105 100

71 2.8 4.4 6.6#

51 31.7 22.3 33.5

120 21.6 16.9 25.3

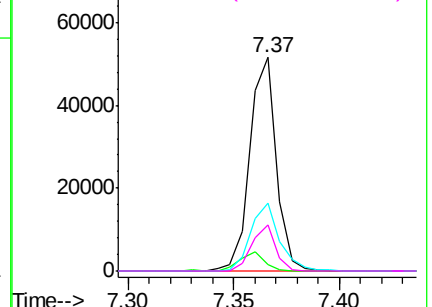
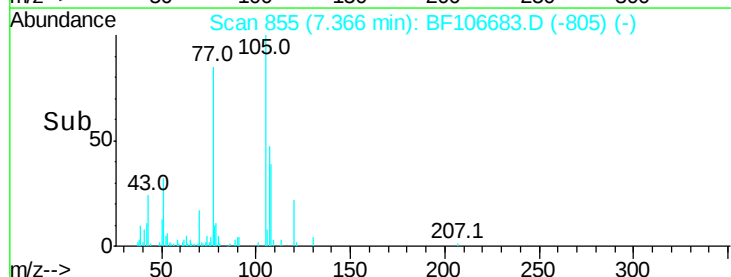


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

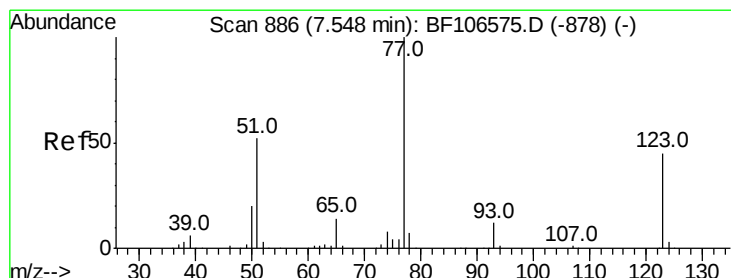
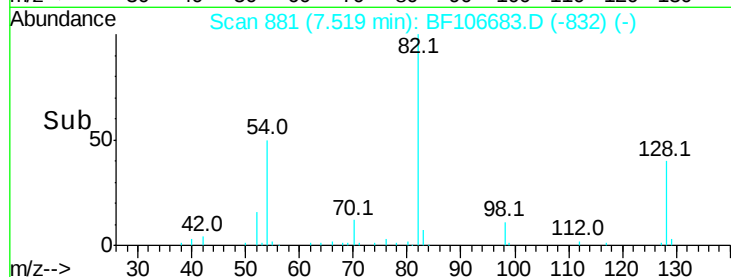
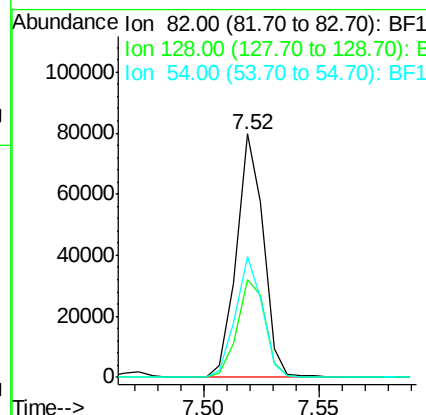
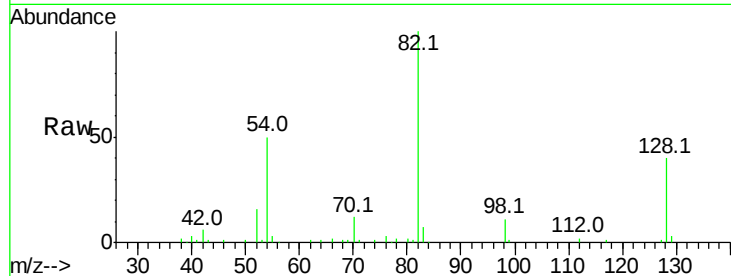




#23
Nitrobenzene-d5
Concen: 16.519 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

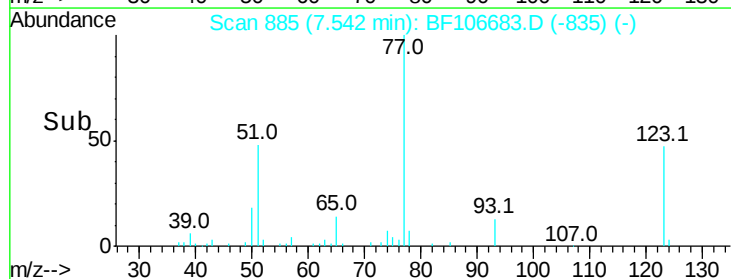
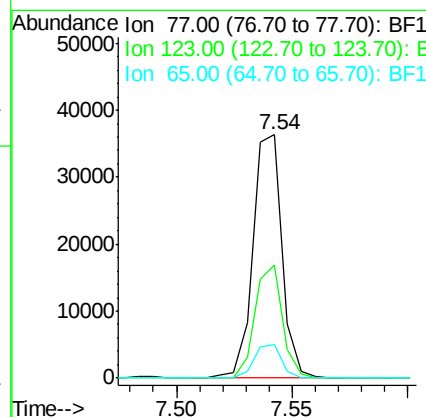
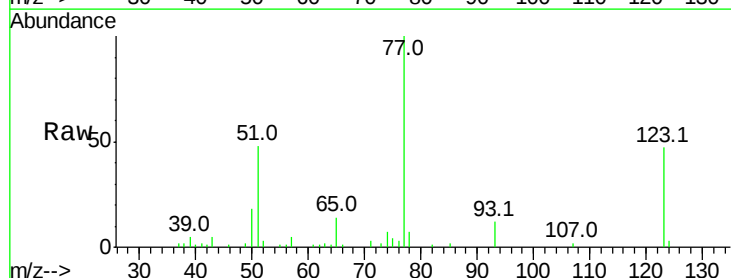
Instrument :
BNA_F
ClientSampleId :
AREA1(S)MS

Tot Ion	82	Resp	64755
Ion Ratio	Lower	Upper	
82	100		
128	40.1	36.1	54.1
54	49.5	41.4	62.2



#24
Nitrobenzene
Concen: 7.968 ng
RT: 7.54 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

Tgt Ion	77	Resp	31890
Ion Ratio	Lower	Upper	
77	100		
123	46.6	37.9	56.9
65	14.1	11.0	16.4





#25

Isophorone

Concen: 8.241 ng

RT: 7.78 min Scan# 925

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA_F

ClientSampleId :

AREA1(S)MS

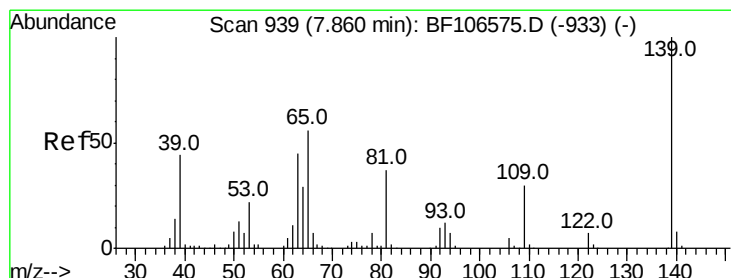
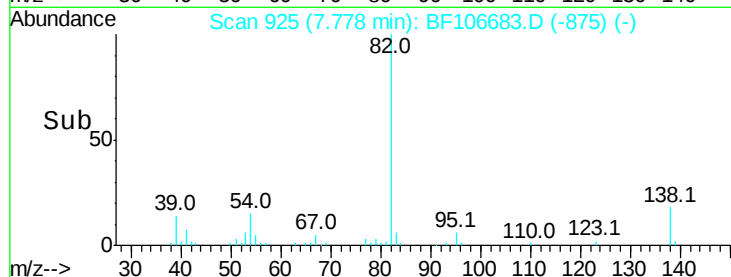
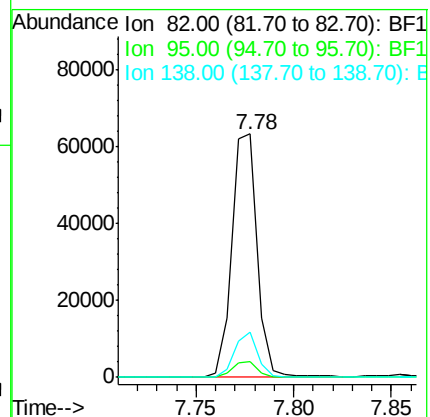
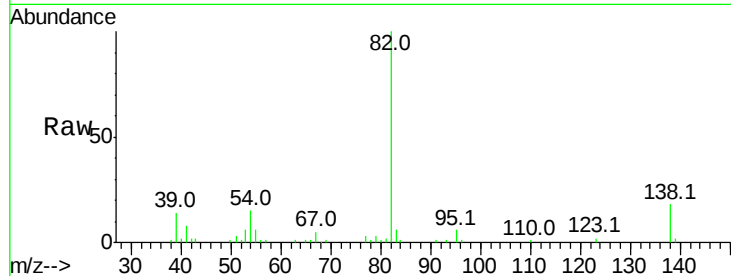
Tot Ion: 82 Resp: 56925

Ion Ratio Lower Upper

82 100

95 6.3 5.2 7.8

138 18.4 14.9 22.3



#26

2-Nitrophenol

Concen: 3.975 ng

RT: 7.86 min Scan# 939

Delta R.T. 0.00 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

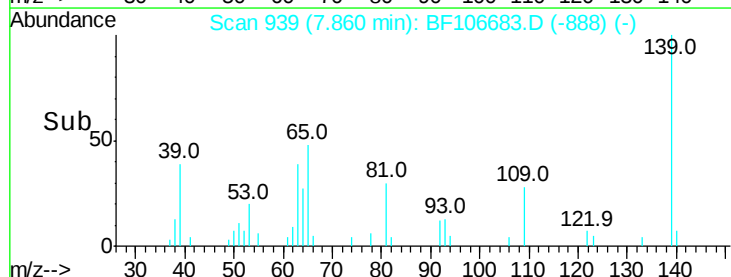
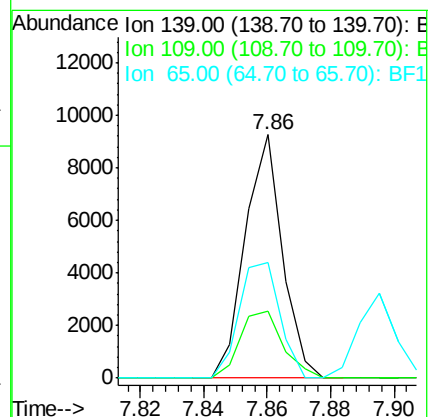
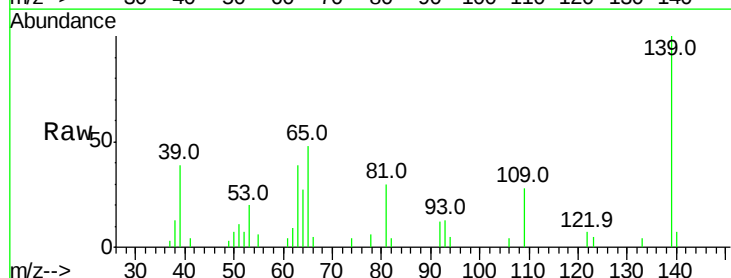
Tgt Ion:139 Resp: 7511

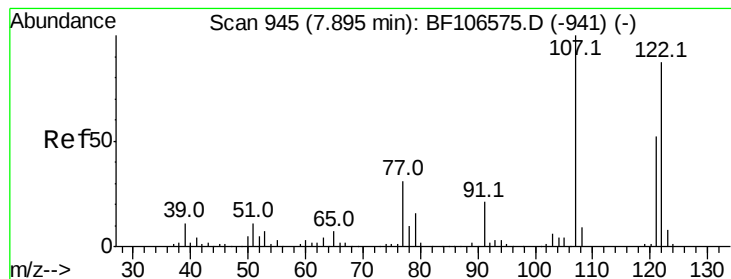
Ion Ratio Lower Upper

139 100

109 27.6 22.7 34.1

65 47.6 40.5 60.7





#27

2,4-Dimethylphenol

Concen: 8.790 ng

RT: 7.90 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA_F

ClientSampleId :

AREA1(S)MS

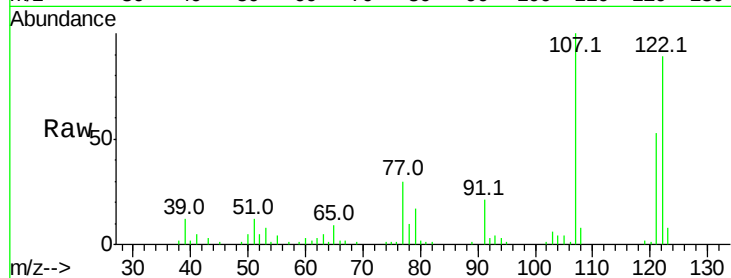
Tot Ion:122 Resp: 25668

Ion Ratio Lower Upper

122 100

107 112.9 91.2 136.8

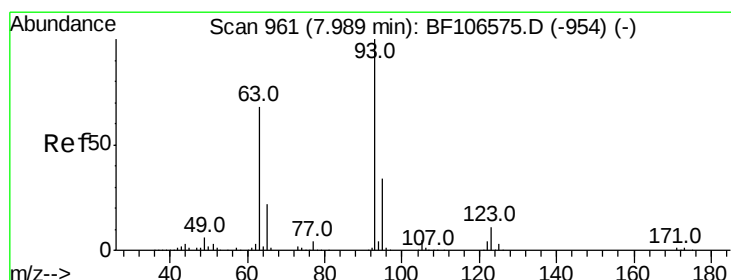
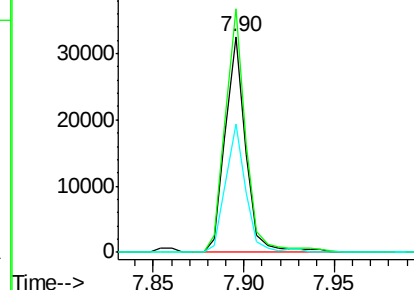
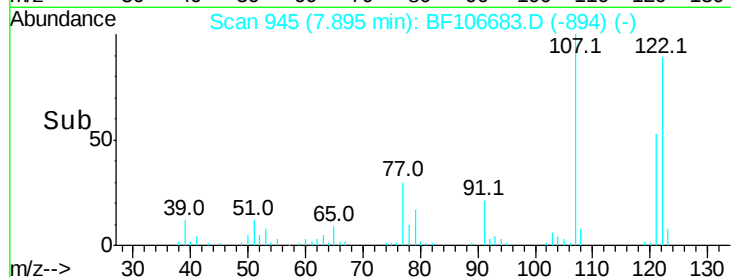
121 59.4 47.2 70.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 7.773 ng

RT: 7.98 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

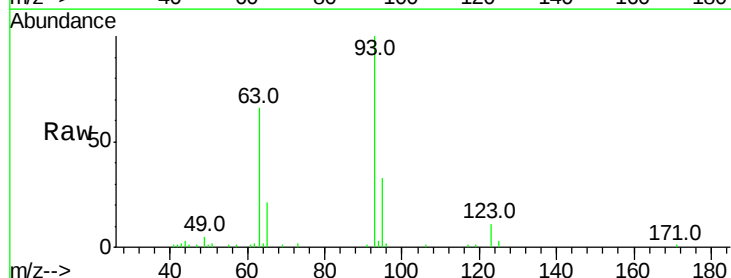
Tgt Ion: 93 Resp: 36050

Ion Ratio Lower Upper

93 100

95 33.1 26.3 39.5

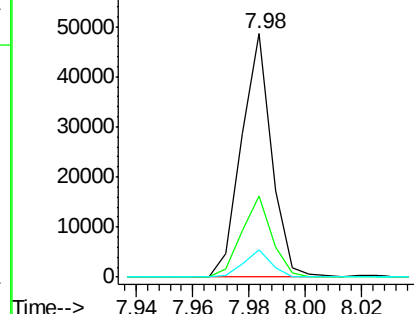
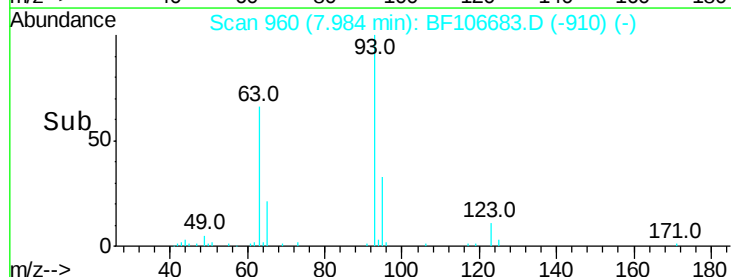
123 11.1 9.8 14.6

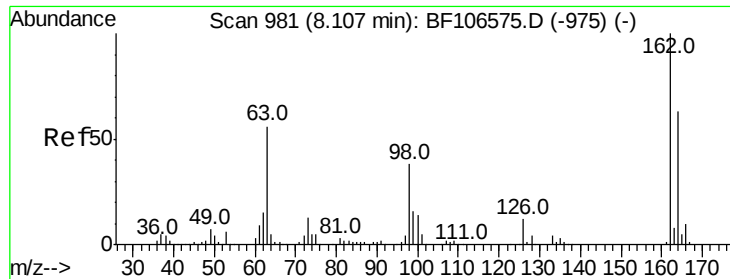


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

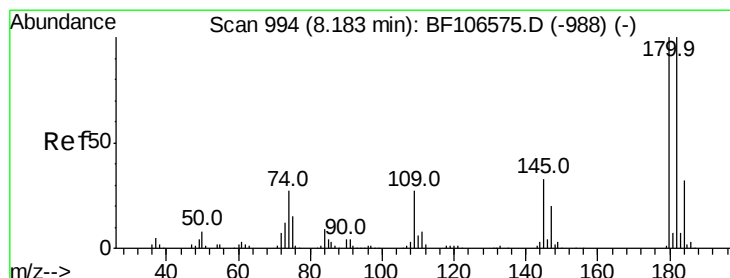
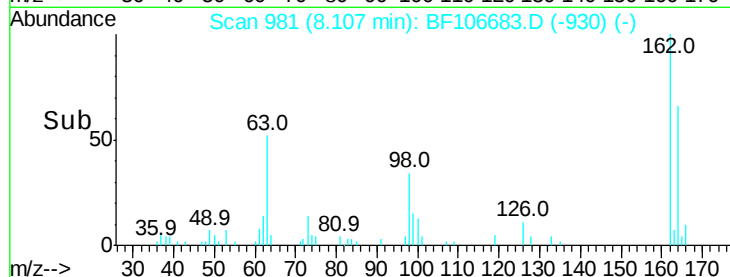
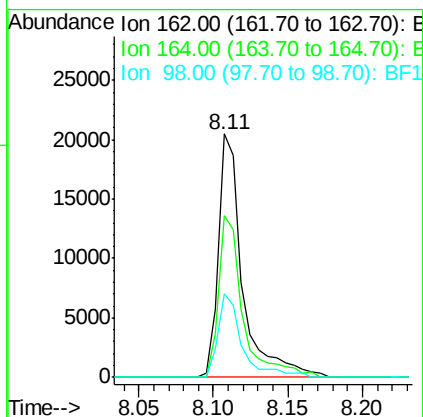
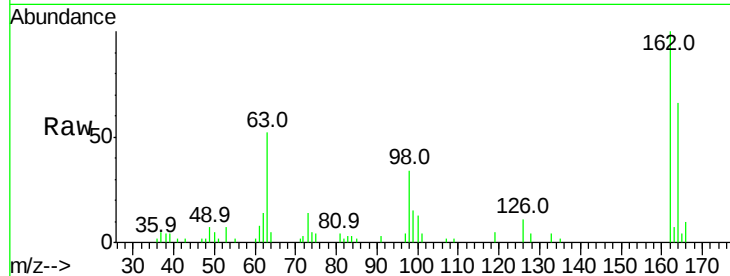




#29
 2,4-Dichlorophenol
 Concen: 7.675 ng
 RT: 8.11 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: BF106683.D
 Acq: 22 Jun 2018 1:22

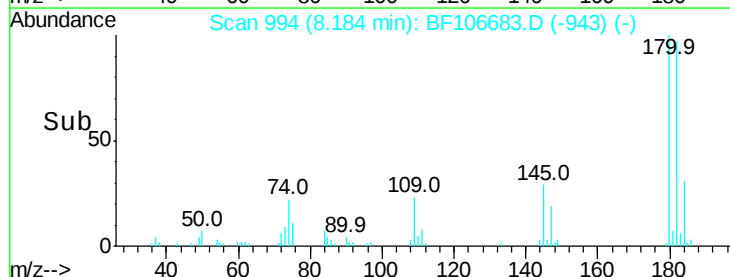
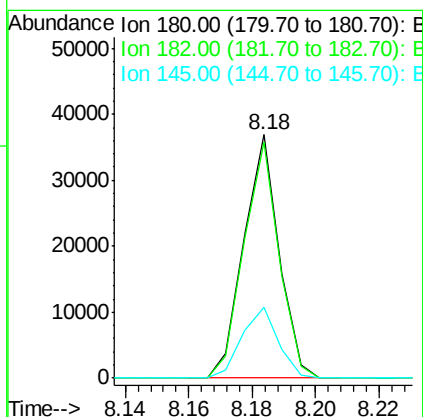
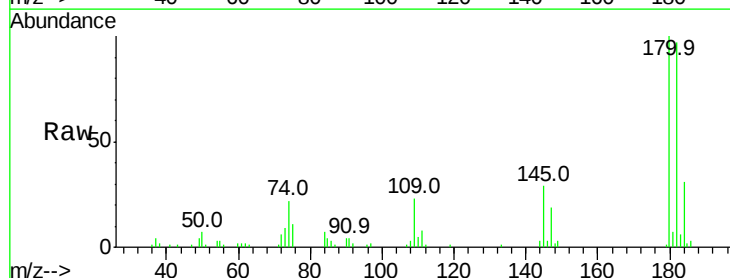
Instrument :
 BNA_F
 ClientSampleId :
 AREA1(S)MS

Tot Ion	Ratio	Lower	Upper
162	100		
164	66.2	42.7	82.7
98	34.1	18.1	58.1



#30
 1,2,4-Trichlorobenzene
 Concen: 8.401 ng
 RT: 8.18 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: BF106683.D
 Acq: 22 Jun 2018 1:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.8	115.2
145	29.1	26.5	39.7





#31

Naphthalene

Concen: 8.990 ng

RT: 8.27 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA_F

ClientSampleId :

AREA1(S)MS

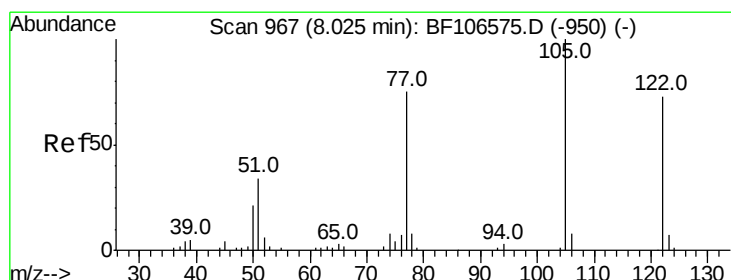
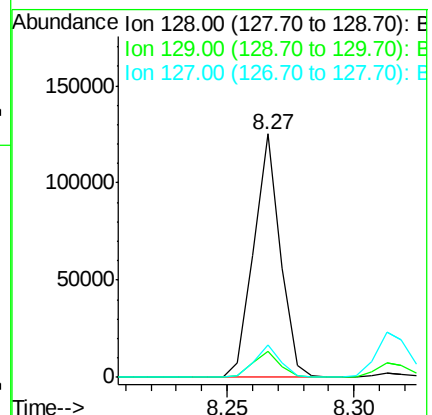
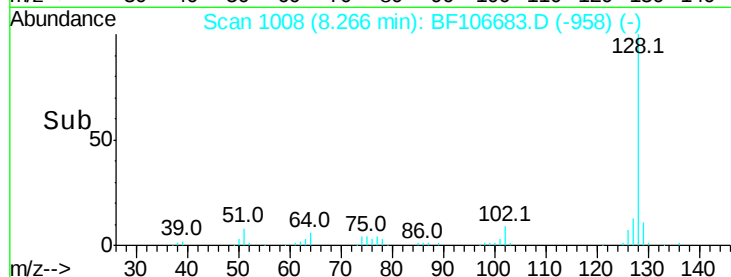
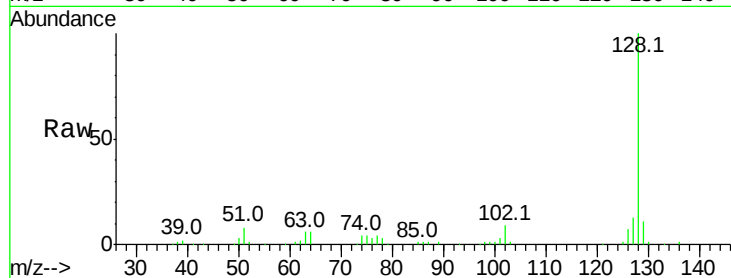
Tot Ion:128 Resp: 91562

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

127 13.1 10.9 16.3



#32

Benzoic acid

Concen: 16.372 ng

RT: 7.90 min Scan# 945

Delta R.T. -0.13 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

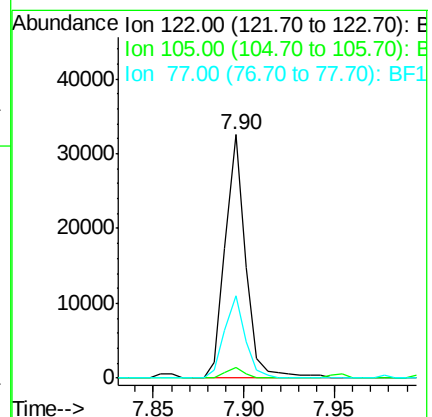
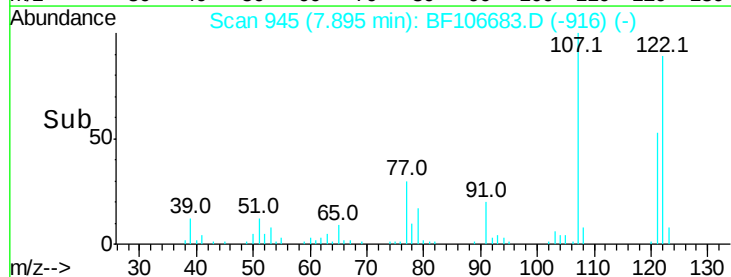
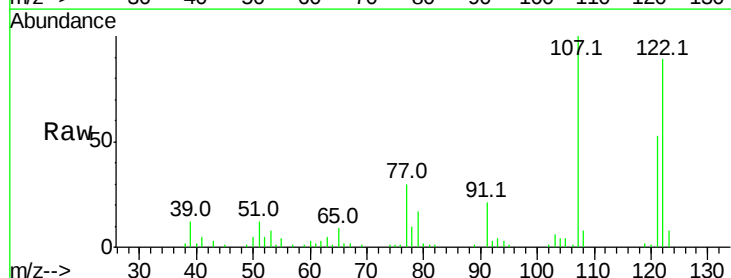
Tgt Ion:122 Resp: 25668

Ion Ratio Lower Upper

122 100

105 4.3 101.1 141.1#

77 33.7 70.7 110.7#

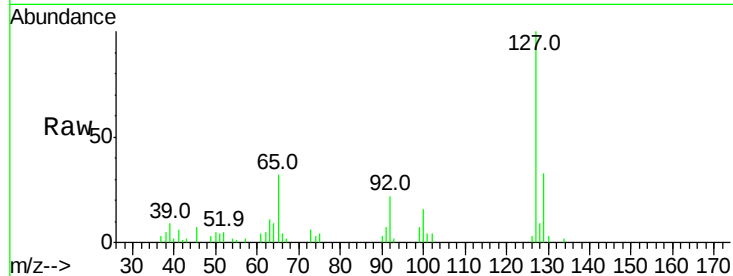




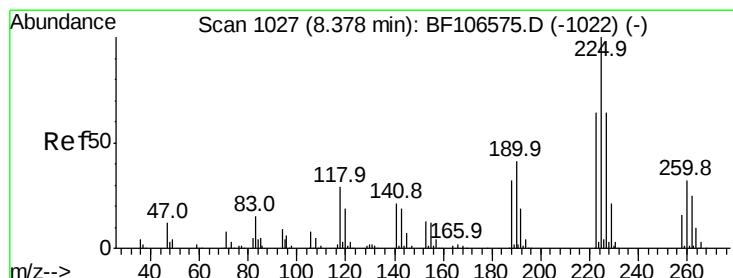
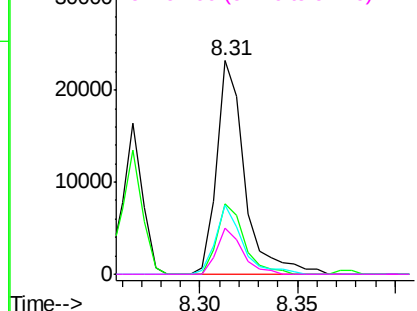
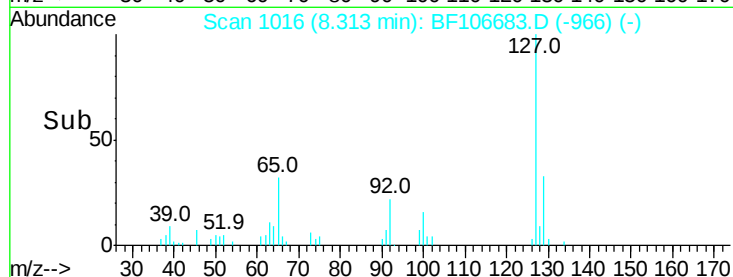
#33
4-Chloroaniline
Concen: 5.399 ng
RT: 8.31 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

Instrument :
BNA_F
ClientSampleId :
AREA1(S)MS

Tot Ion:	127	Resp:	23075
Ion	Ratio	Lower	Upper
127	100		
129	33.0	25.9	38.9
65	32.3	25.0	37.4
92	21.5	15.2	22.8

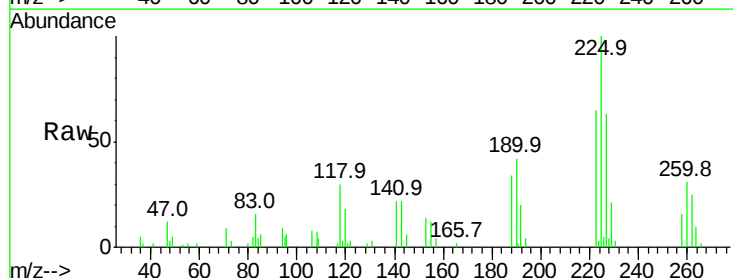


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

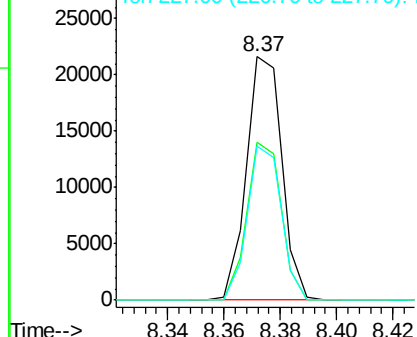
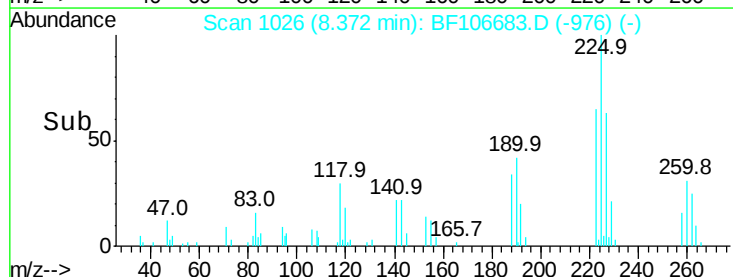


#34
Hexachlorobutadiene
Concen: 8.604 ng
RT: 8.37 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

Tgt Ion:	225	Resp:	18883
Ion	Ratio	Lower	Upper
225	100		
223	64.8	50.6	76.0
227	63.0	51.9	77.9



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

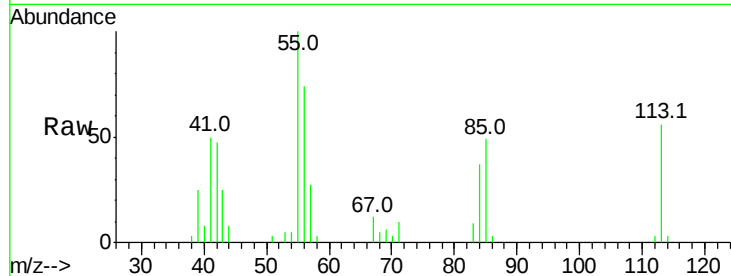




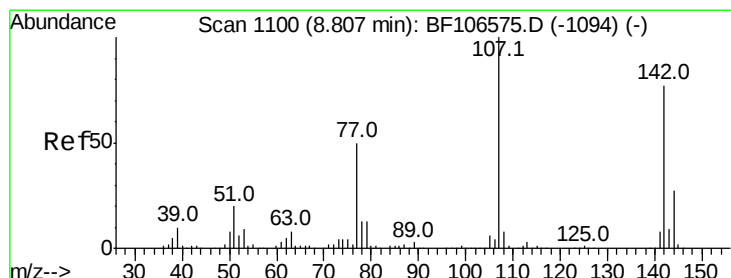
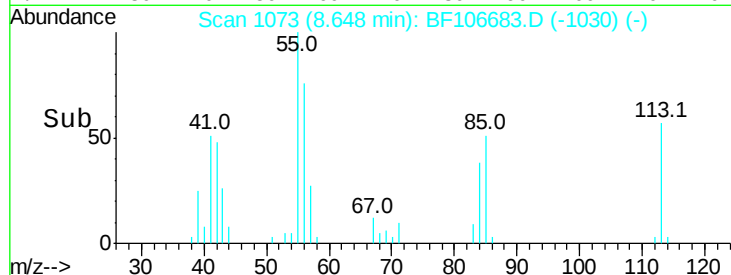
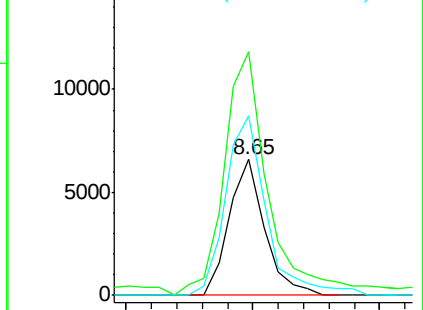
#35
Caprolactam
Concen: 6.448 ng
RT: 8.65 min Scan# 1073
Delta R.T. -0.05 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

Instrument :
BNA_F
ClientSampleId :
AREA1(S)MS

Tot Ion:113 Resp: 6426
Ion Ratio Lower Upper
113 100
55 179.6 163.3 203.3
56 132.3 115.7 155.7

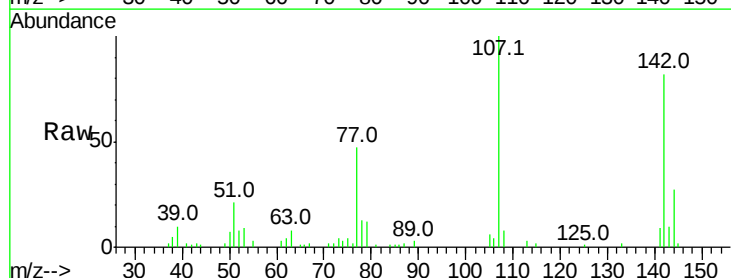


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

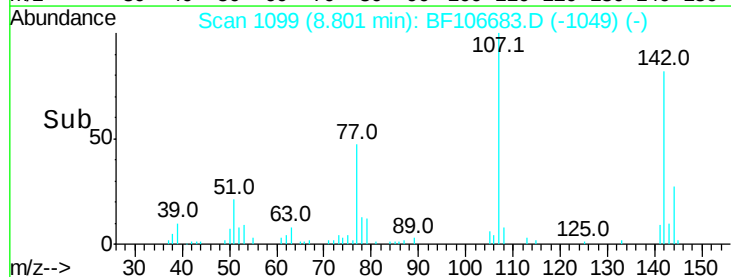
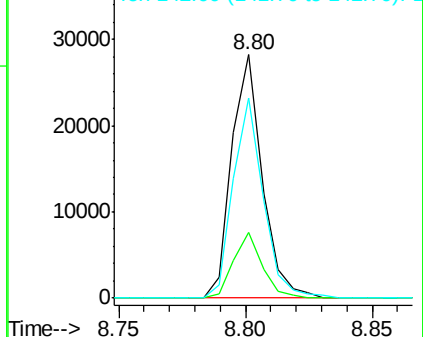


#36
4-Chloro-3-methylphenol
Concen: 7.339 ng
RT: 8.80 min Scan# 1099
Delta R.T. -0.01 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

Tgt Ion:107 Resp: 23616
Ion Ratio Lower Upper
107 100
144 26.9 20.5 30.7
142 82.1 62.0 93.0



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

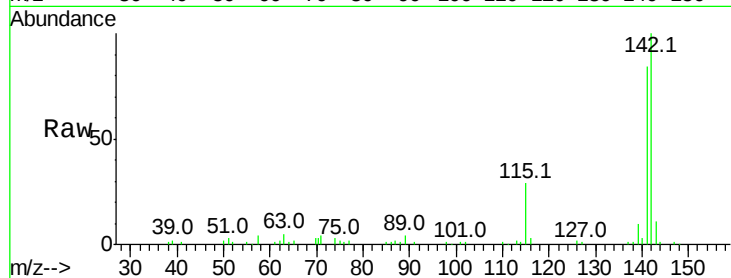




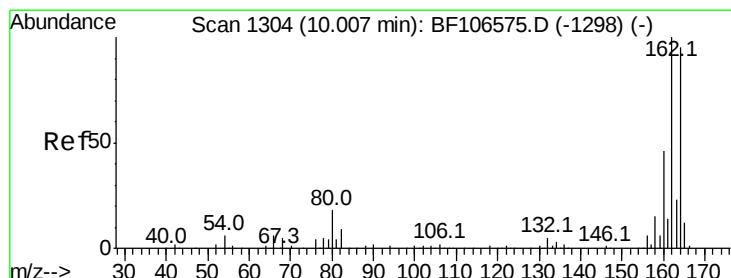
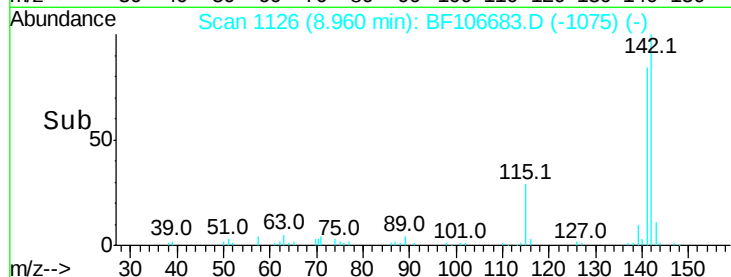
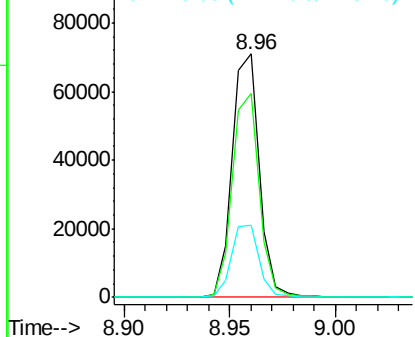
#37
2-Methylnaphthalene
Concen: 9.288 ng
RT: 8.96 min Scan# 1126
Delta R.T. 0.00 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

Instrument :
BNA_F
ClientSampleId :
AREA1(S)MS

Tot Ion:142 Resp: 62702
Ion Ratio Lower Upper
142 100
141 84.0 70.8 106.2
115 29.4 26.1 39.1

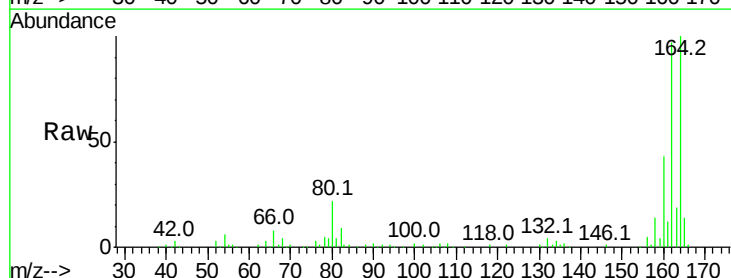


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

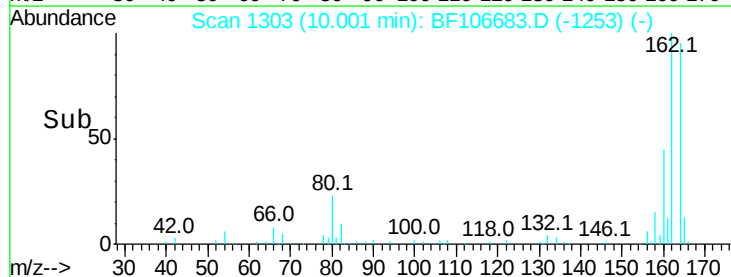
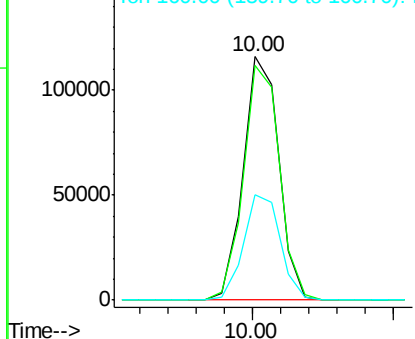


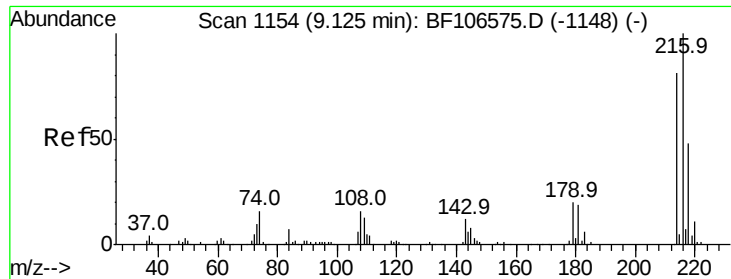
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

Tgt Ion:164 Resp: 101460
Ion Ratio Lower Upper
164 100
162 96.6 86.1 129.1
160 43.2 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

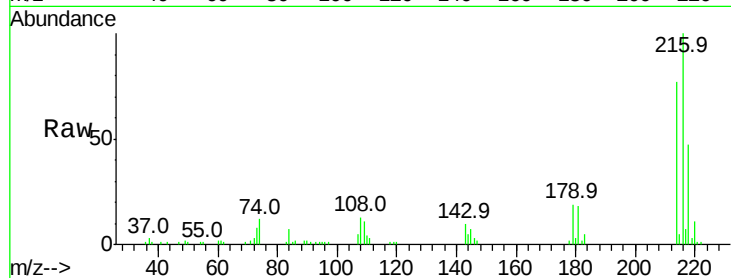




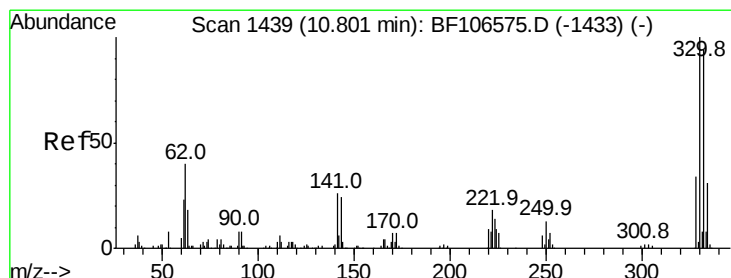
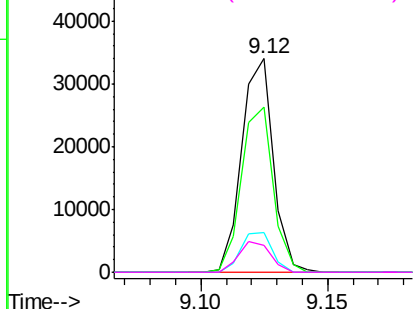
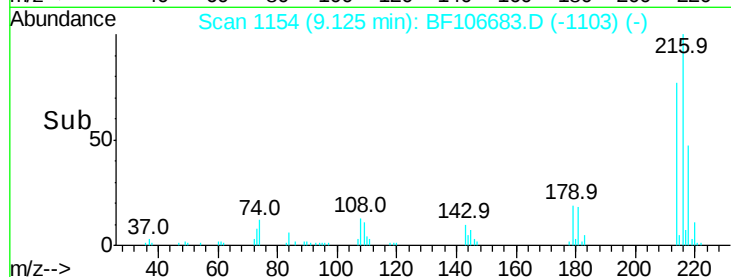
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 8.647 ng
 RT: 9.12 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BF106683.D
 Acq: 22 Jun 2018 1:22

Instrument :
 BNA_F
 ClientSampleId :
 AREA1(S)MS

Tot Ion:216 Resp: 29547
 Ion Ratio Lower Upper
 216 100
 214 77.3 63.0 94.4
 179 18.7 18.1 27.1
 108 14.4 17.2 25.8#

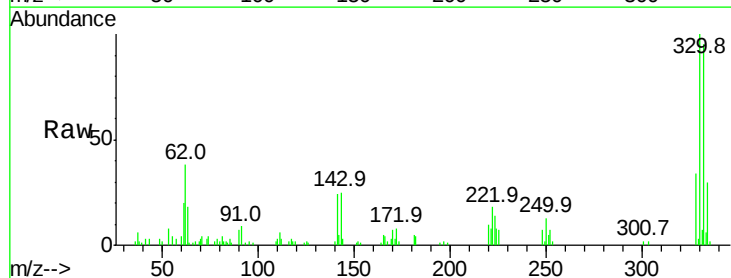


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

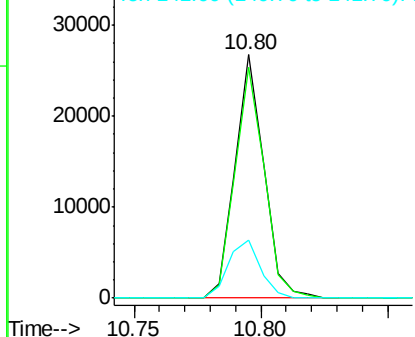
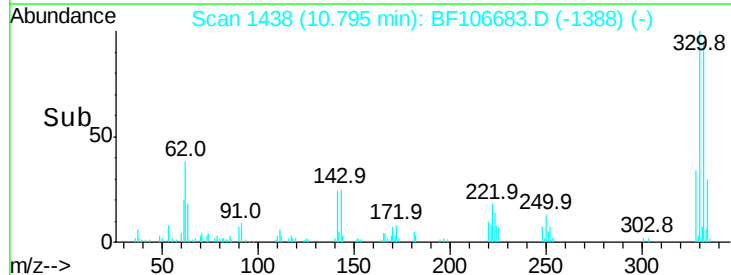


#41
 2,4,6-Tribromophenol
 Concen: 17.980 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106683.D
 Acq: 22 Jun 2018 1:22

Tgt Ion:330 Resp: 21143
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 26.6 29.9 44.9#



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

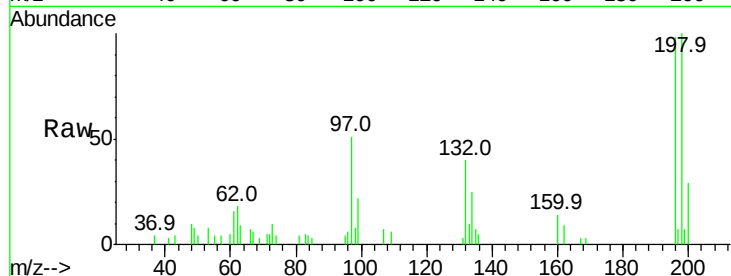




#42
 2,4,6-Trichlorophenol
 Concen: 3.828 ng
 RT: 9.24 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: BF106683.D
 Acq: 22 Jun 2018 1:22

Instrument :
 BNA_F
 ClientSampleId :
 AREA1(S)MS

Tot Ion	196	Resp	8695
Ion Ratio	Lower	Upper	
196	100		
198	102.5	75.7	113.5
200	29.4	24.5	36.7

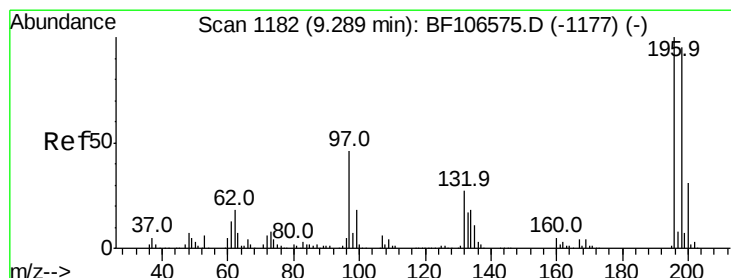
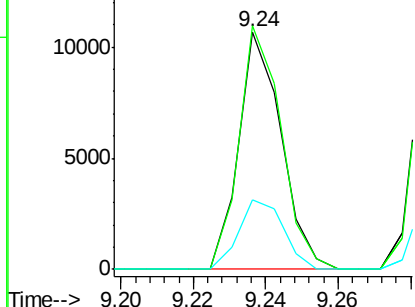
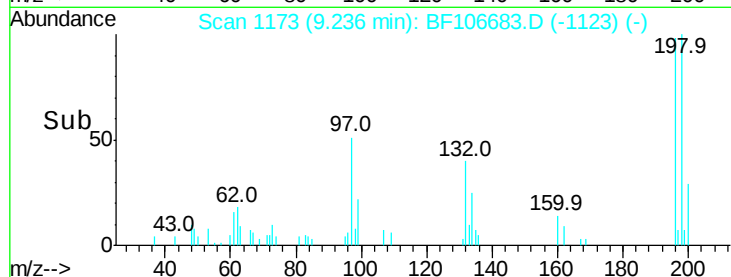


Abundance

Ion 196.00 (195.70 to 196.70): E

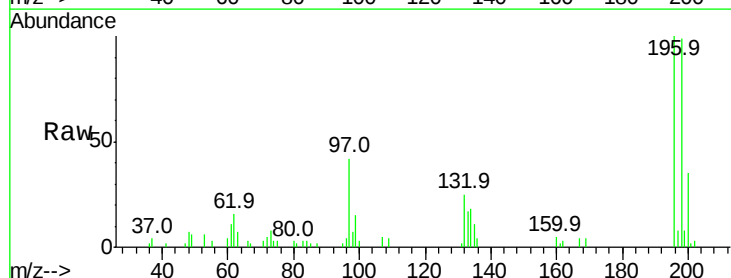
Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#43
 2,4,5-Trichlorophenol
 Concen: 5.846 ng
 RT: 9.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: BF106683.D
 Acq: 22 Jun 2018 1:22

Tgt Ion	196	Resp	13856
Ion Ratio	Lower	Upper	
196	100		
198	98.7	74.6	112.0
97	41.8	42.9	64.3#
132	24.9	26.3	39.5#



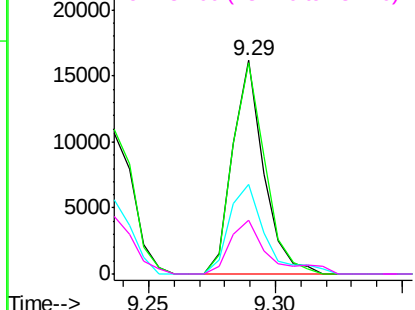
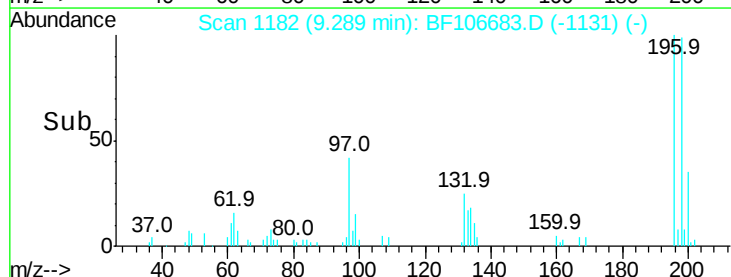
Abundance

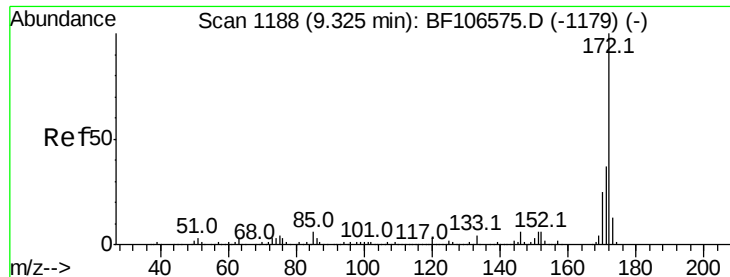
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E





#44

2-Fluorobiphenyl

Concen: 7.240 ng

RT: 9.31 min Scan# 1186

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA_F

ClientSampleId :

AREA1(S)MS

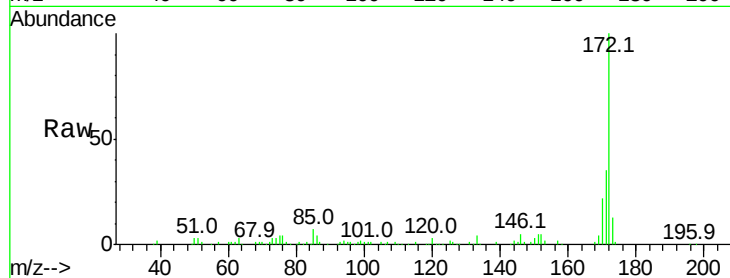
Tot Ion:172 Resp: 124291

Ion Ratio Lower Upper

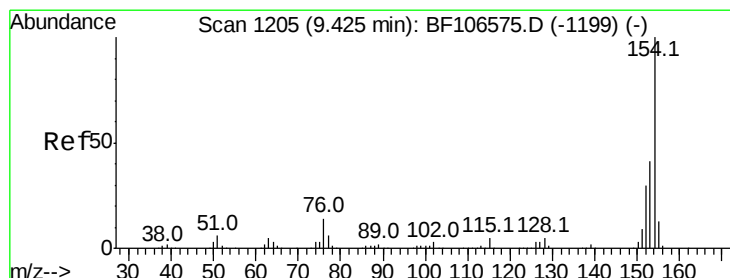
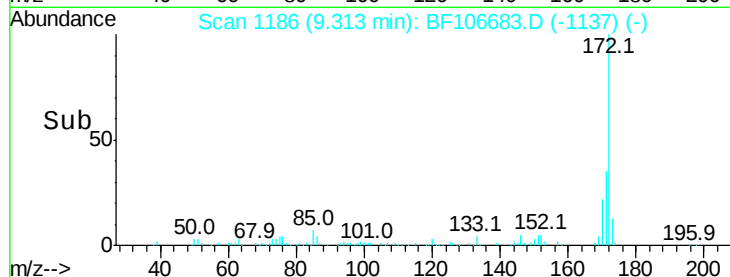
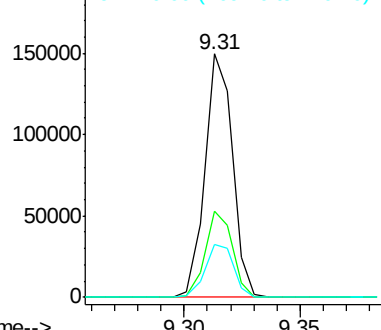
172 100

171 35.5 29.7 44.5

170 21.9 19.6 29.4



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



#45

1,1'-Biphenyl

Concen: 8.704 ng

RT: 9.42 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

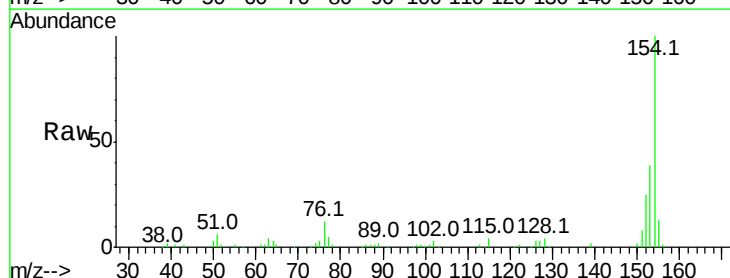
Tgt Ion:154 Resp: 70377

Ion Ratio Lower Upper

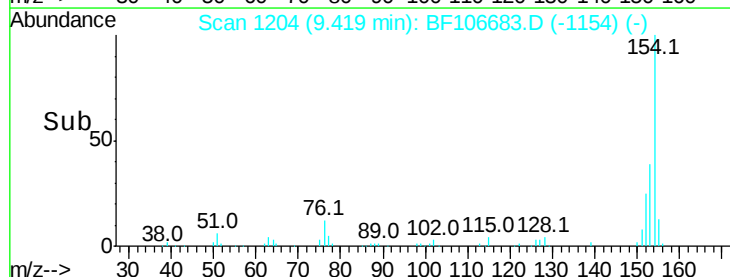
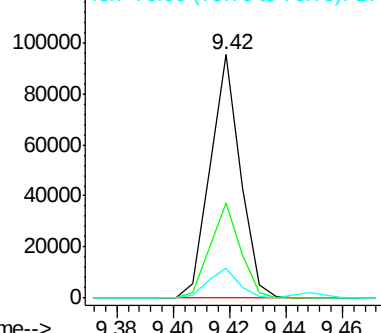
154 100

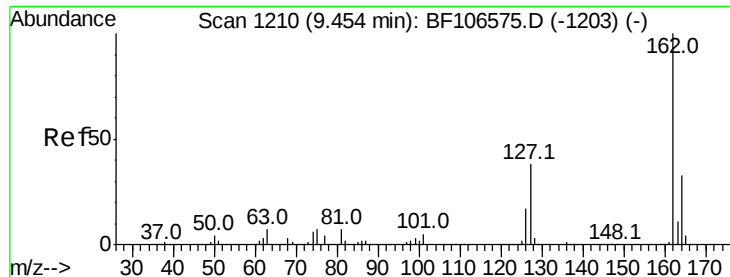
153 39.2 21.3 61.3

76 12.5 0.0 34.0



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

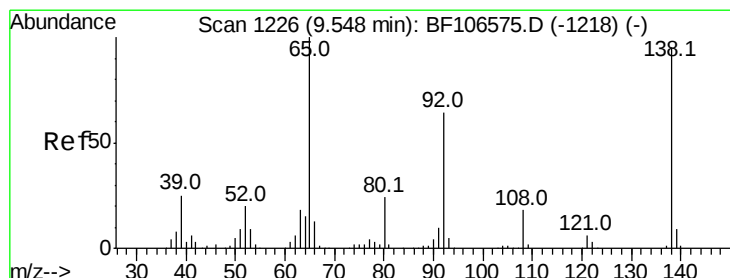
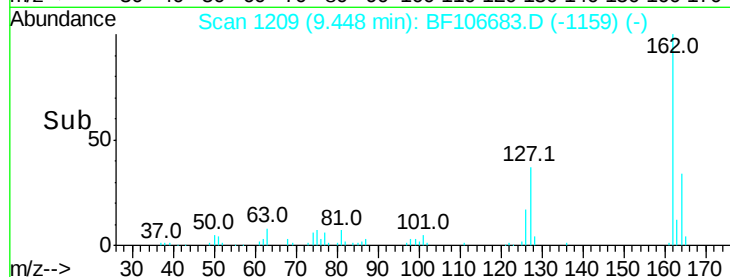
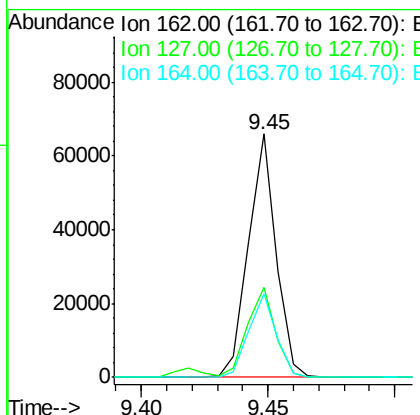
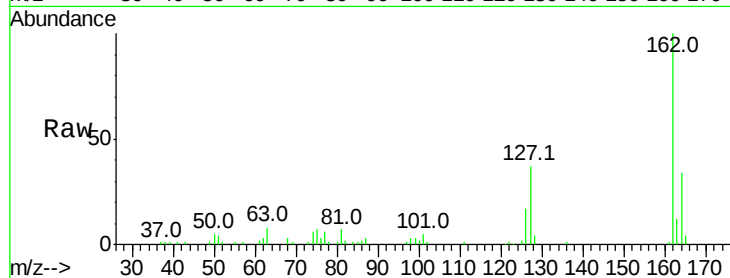




#46
 2-Chloronaphthalene
 Concen: 7.836 ng
 RT: 9.45 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF106683.D
 Acq: 22 Jun 2018 1:22

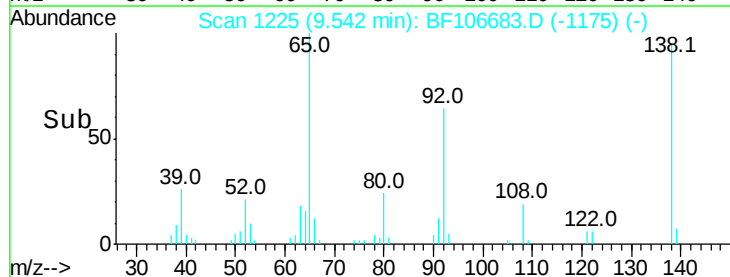
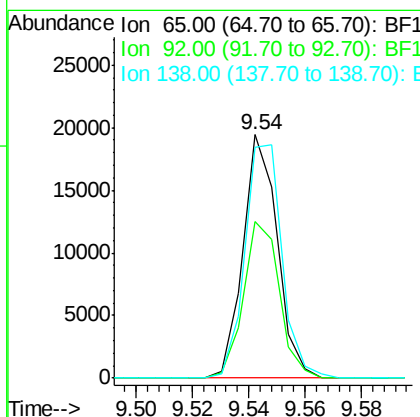
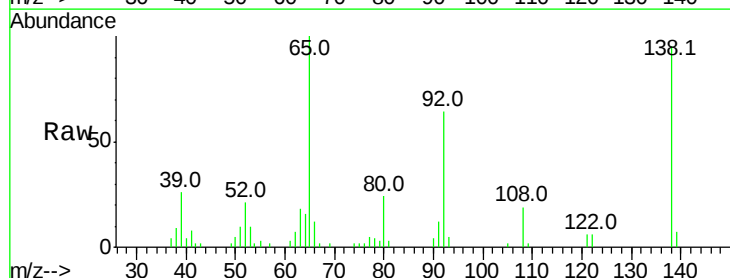
Instrument :
 BNA_F
 ClientSampleId :
 AREA1(S)MS

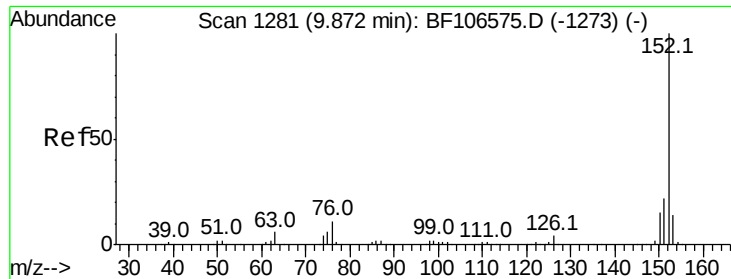
Tot Ion:162 Resp: 49871
 Ion Ratio Lower Upper
 162 100
 127 37.0 33.9 50.9
 164 34.2 26.5 39.7



#47
 2-Nitroaniline
 Concen: 7.643 ng
 RT: 9.54 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: BF106683.D
 Acq: 22 Jun 2018 1:22

Tgt Ion: 65 Resp: 16358
 Ion Ratio Lower Upper
 65 100
 92 64.2 55.8 83.6
 138 95.0 91.2 136.8





#48

Acenaphthylene

Concen: 7.901 ng

RT: 9.87 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA_F

ClientSampleId :

AREA1(S)MS

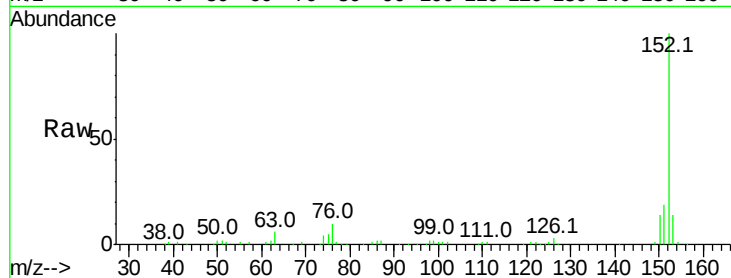
Tot Ion:152 Resp: 79399

Ion Ratio Lower Upper

152 100

151 19.3 16.3 24.5

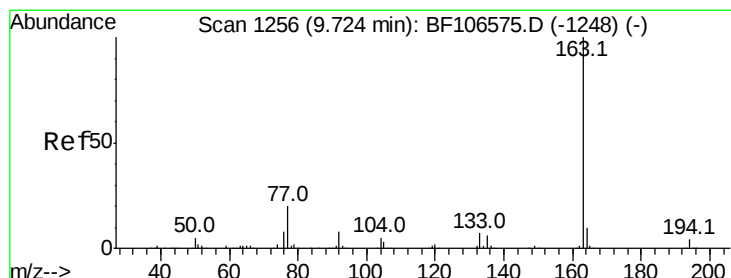
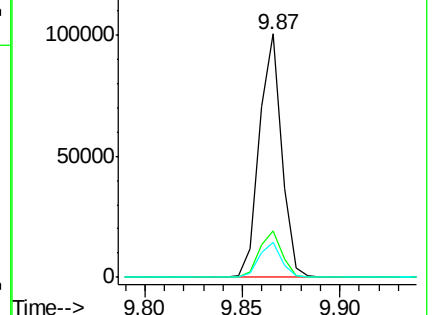
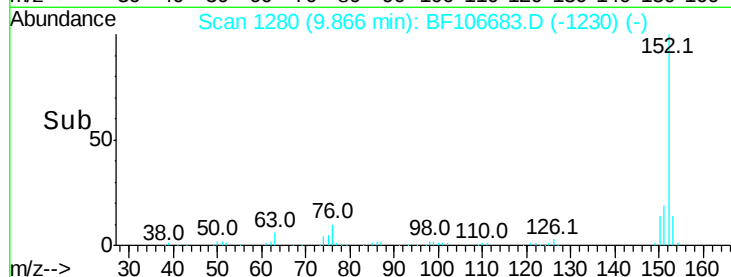
153 14.1 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 10.396 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

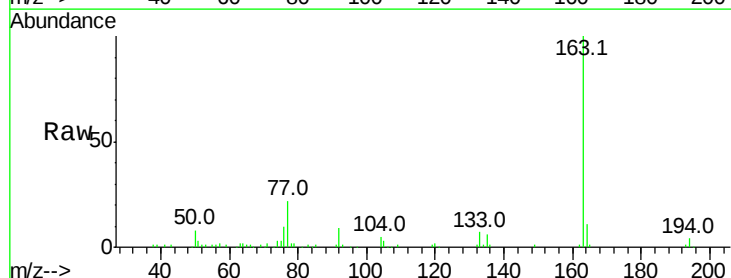
Tgt Ion:163 Resp: 79111

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

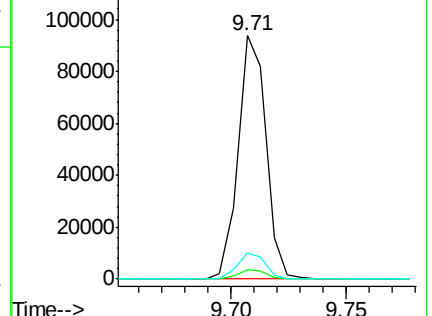
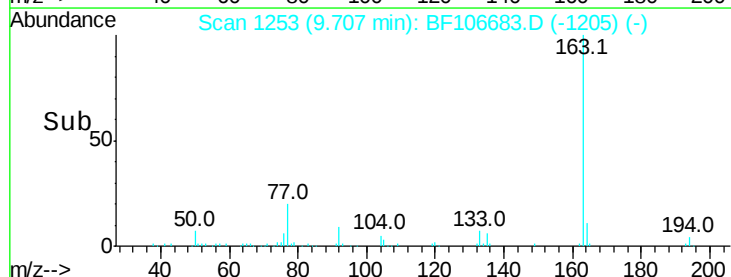
164 10.9 8.2 12.2

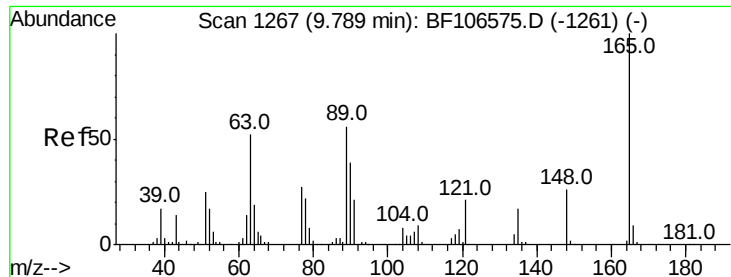


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

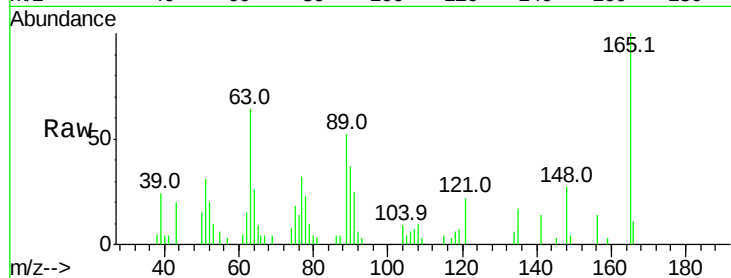




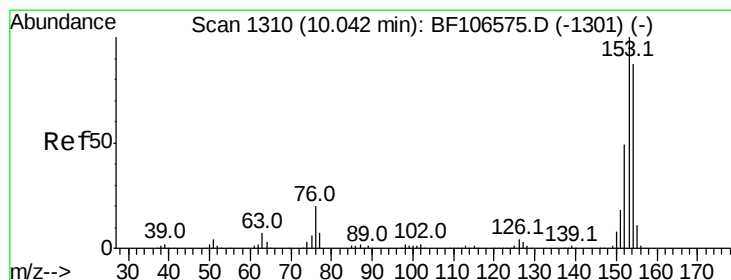
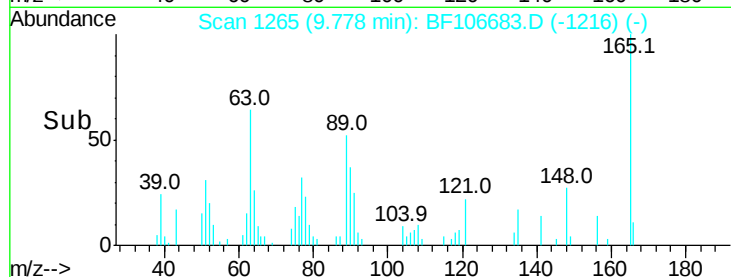
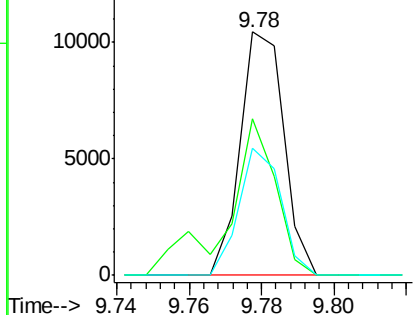
#50
2,6-Dinitrotoluene
Concen: 5.477 ng
RT: 9.78 min Scan# 1265
Delta R.T. -0.01 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

Instrument :
BNA_F
ClientSampleId :
AREA1(S)MS

Tot Ion:165 Resp: 8826
Ion Ratio Lower Upper
165 100
63 64.3 44.7 67.1
89 52.1 44.0 66.0

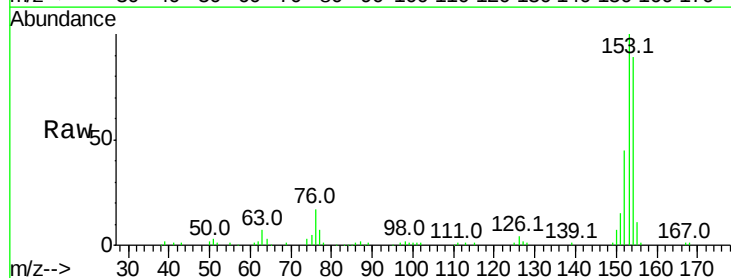


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

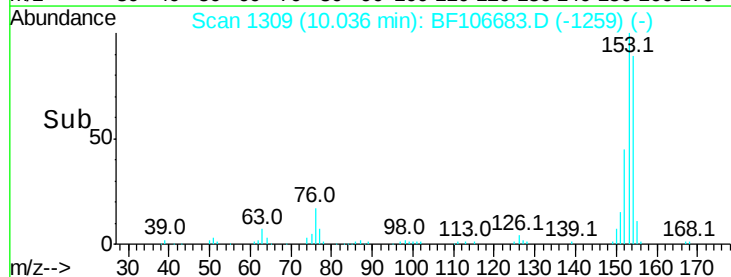
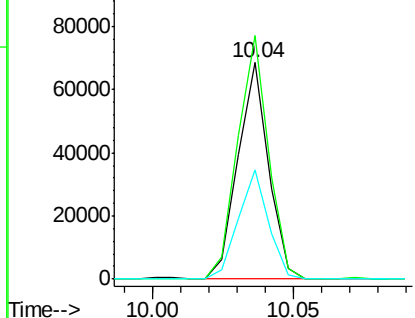


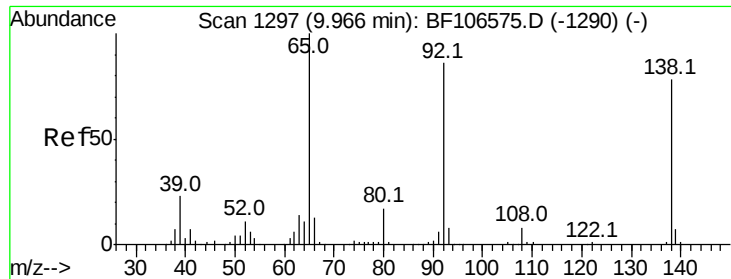
#51
Acenaphthene
Concen: 8.175 ng
RT: 10.04 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

Tgt Ion:154 Resp: 51727
Ion Ratio Lower Upper
154 100
153 112.6 91.2 136.8
152 50.3 43.8 65.8



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

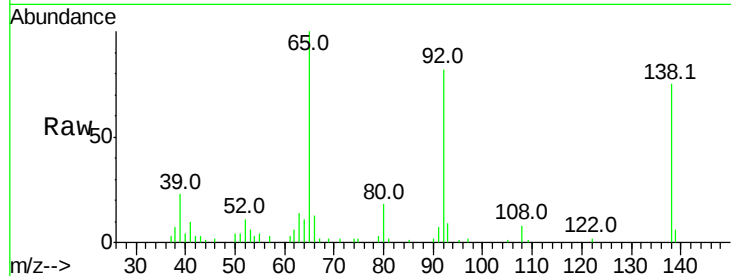




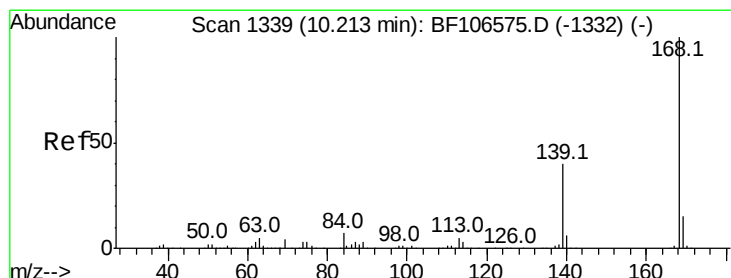
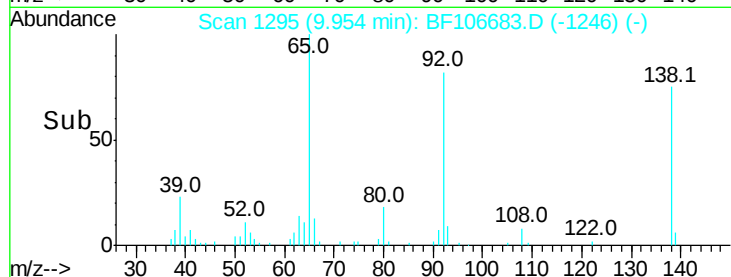
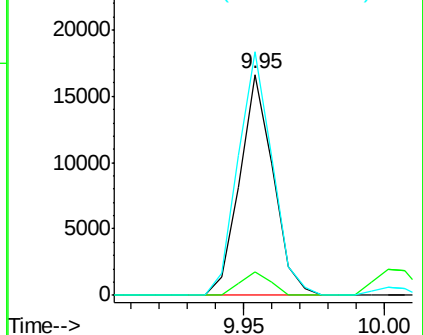
#52
3-Nitroaniline
Concen: 7.397 ng
RT: 9.95 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

Instrument :
BNA_F
ClientSampleId :
AREA1(S)MS

Tot Ion:138 Resp: 13716
Ion Ratio Lower Upper
138 100
108 10.6 9.4 14.0
92 110.1 89.4 134.2

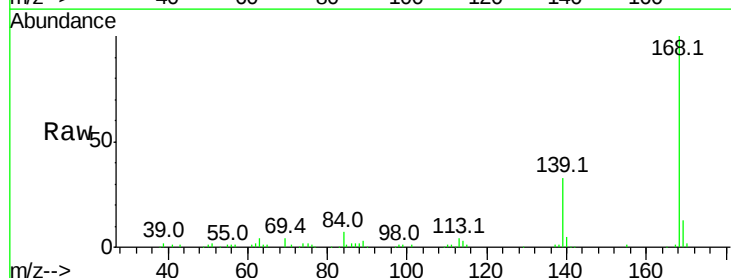


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

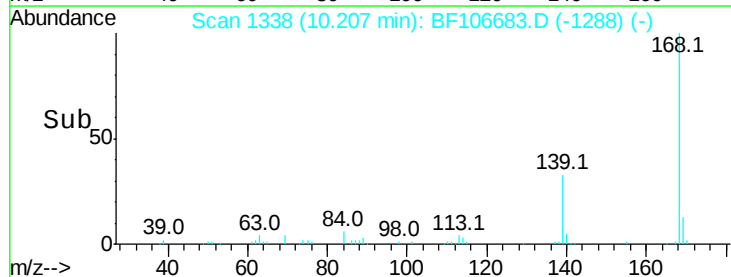
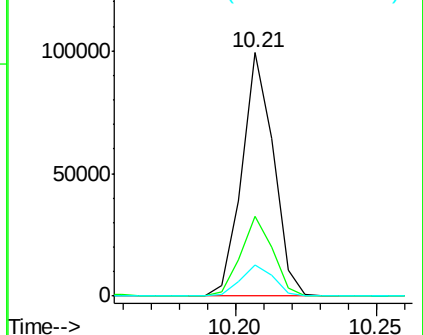


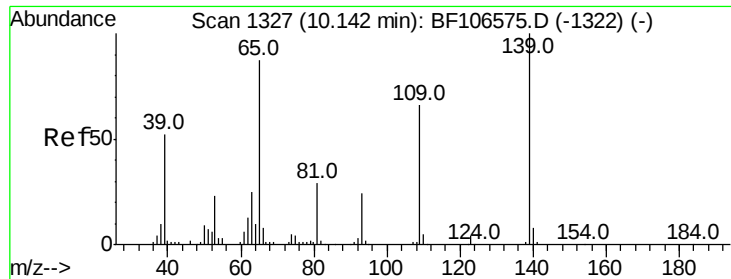
#54
Dibenzofuran
Concen: 8.892 ng
RT: 10.21 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

Tgt Ion:168 Resp: 77042
Ion Ratio Lower Upper
168 100
139 32.8 30.1 45.1
169 12.9 10.9 16.3



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

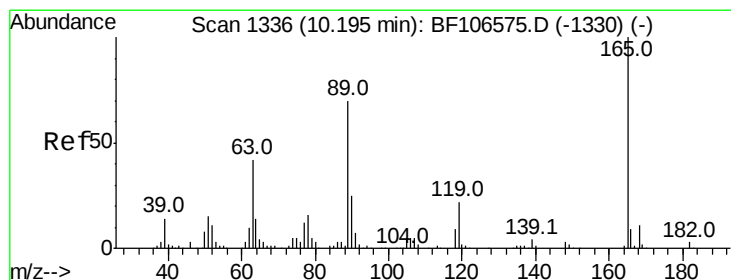
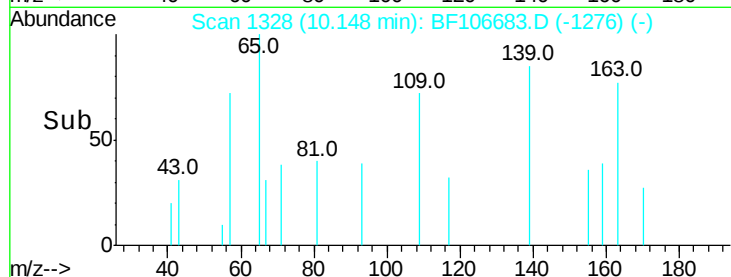
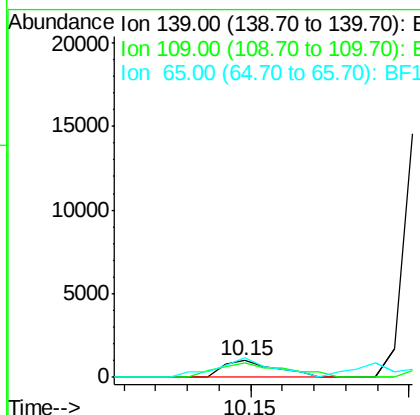
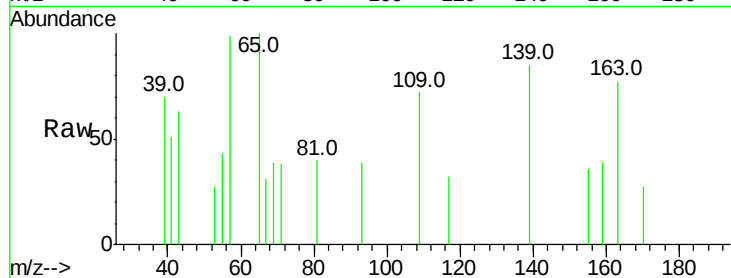




#55
4-Nitrophenol
Concen: 0.902 ng
RT: 10.15 min Scan# 1328
Delta R.T. 0.01 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

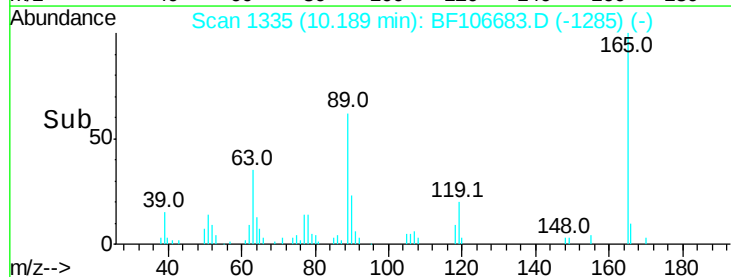
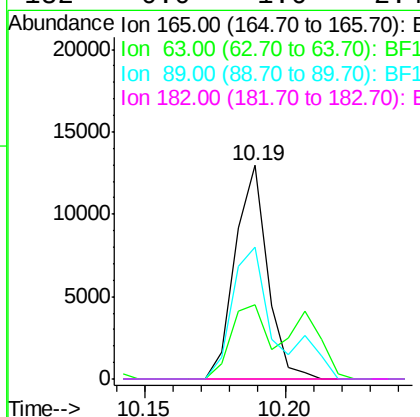
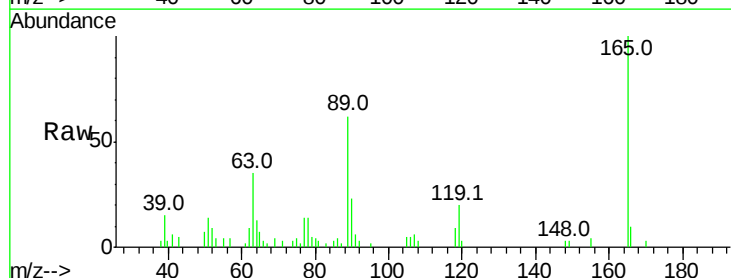
Instrument :
BNA_F
ClientSampleId :
AREA1(S)MS

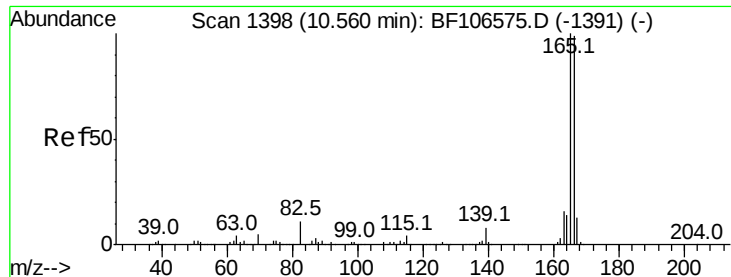
Tot Ion:139 Resp: 1168
Ion Ratio Lower Upper
139 100
109 84.6 48.4 88.4
65 117.5 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 4.901 ng
RT: 10.19 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

Tgt Ion:165 Resp: 10309
Ion Ratio Lower Upper
165 100
63 34.8 36.4 54.6#
89 61.9 57.8 86.6
182 0.0 1.6 2.4#

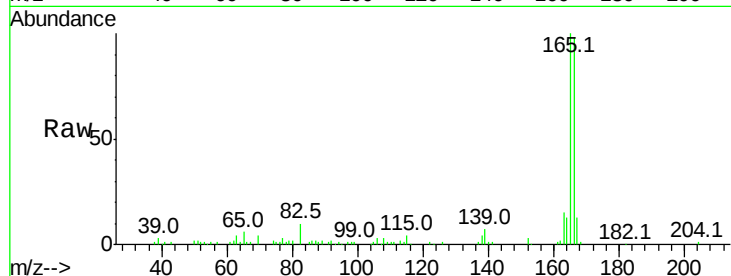




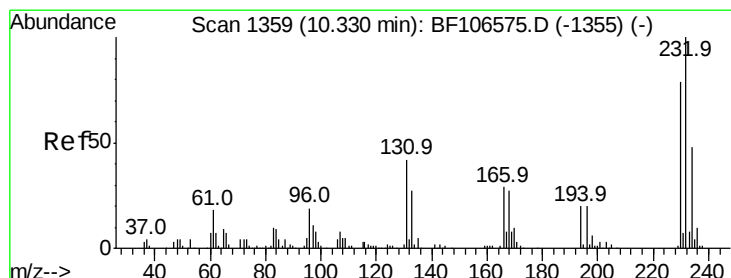
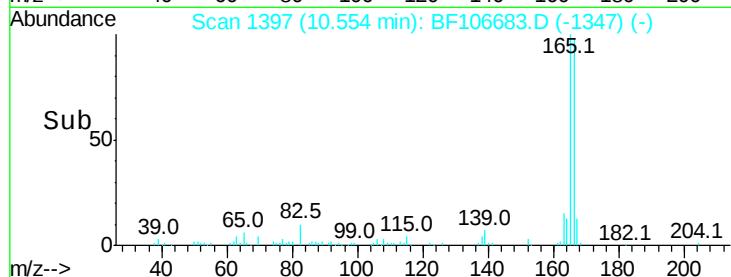
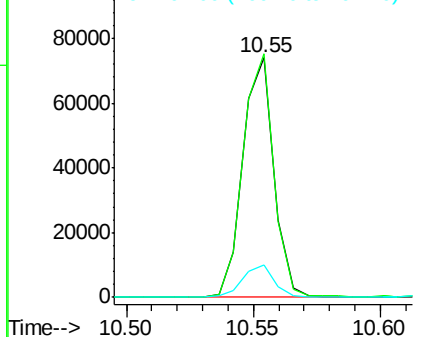
#57
 Fluorene
 Concen: 9.116 ng
 RT: 10.55 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BF106683.D
 Acq: 22 Jun 2018 1:22

Instrument :
 BNA_F
 ClientSampleId :
 AREA1(S)MS

Tot Ion:166 Resp: 62678
 Ion Ratio Lower Upper
 166 100
 165 101.7 79.8 119.8
 167 13.6 10.6 16.0

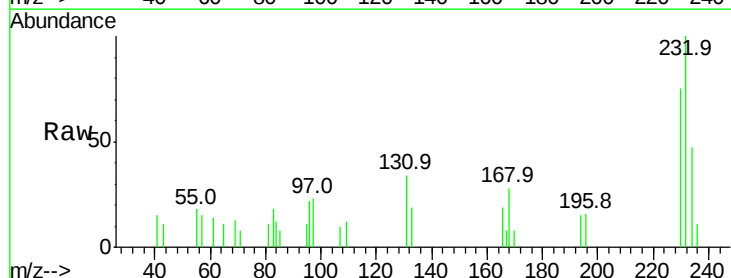


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

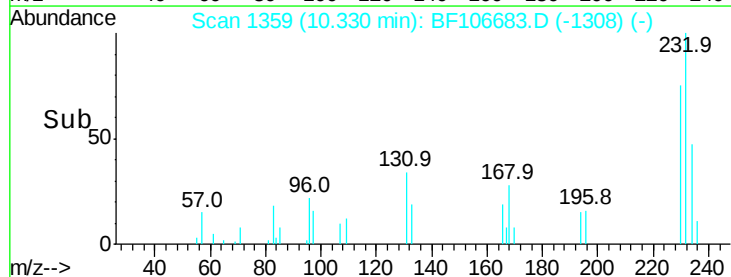
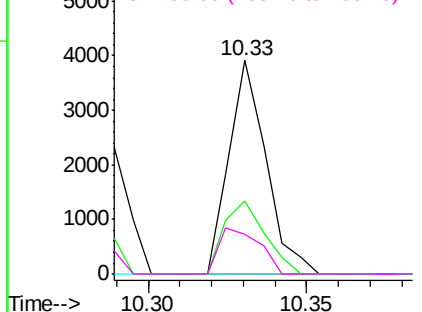


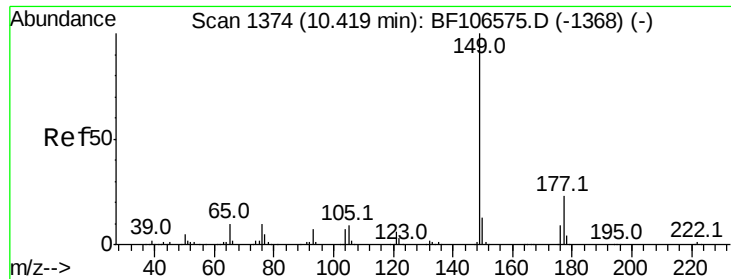
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 1.678 ng
 RT: 10.33 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: BF106683.D
 Acq: 22 Jun 2018 1:22

Tgt Ion:232 Resp: 3161
 Ion Ratio Lower Upper
 232 100
 131 37.8 43.8 65.8#
 130 0.0 2.1 3.1#
 166 0.0 27.8 41.6#



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

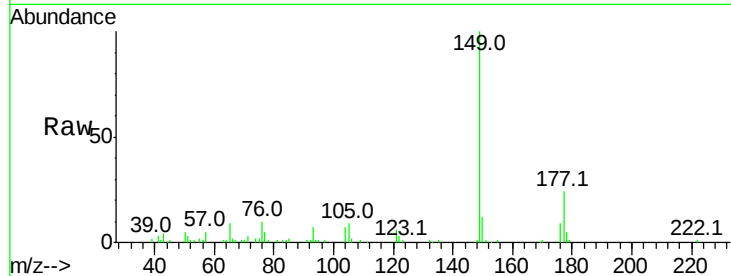




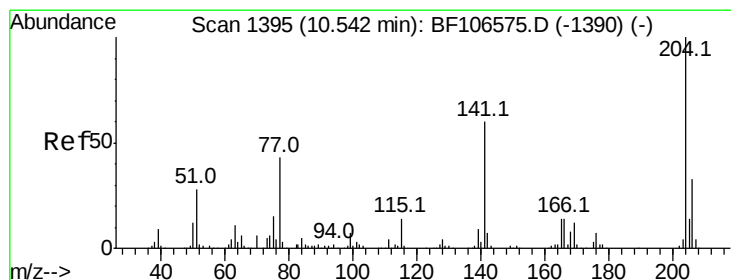
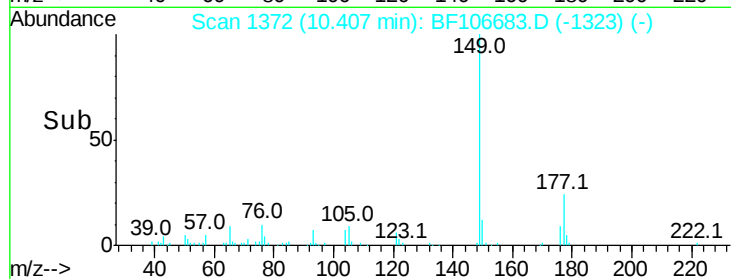
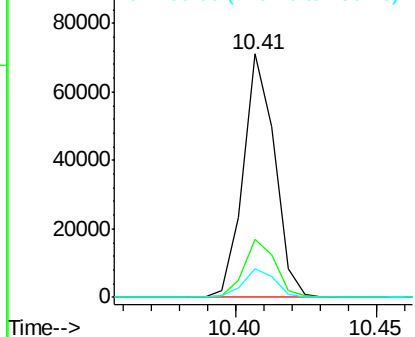
#59
Diethylphthalate
Concen: 7.466 ng
RT: 10.41 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

Instrument :
BNA_F
ClientSampleId :
AREA1(S)MS

Tot Ion:149 Resp: 54833
Ion Ratio Lower Upper
149 100
177 23.6 16.1 24.1
150 11.8 10.1 15.1

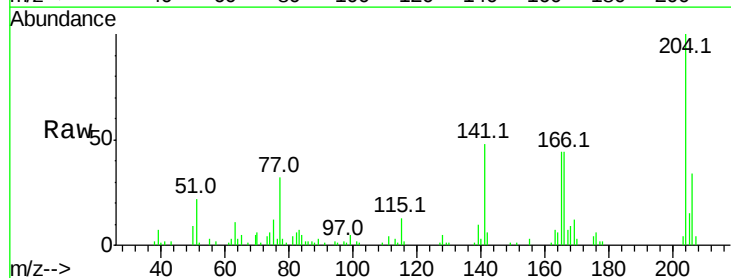


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

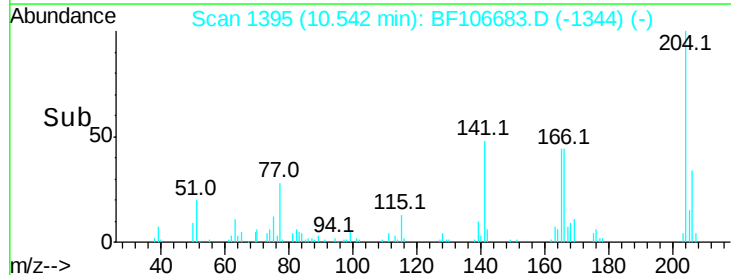
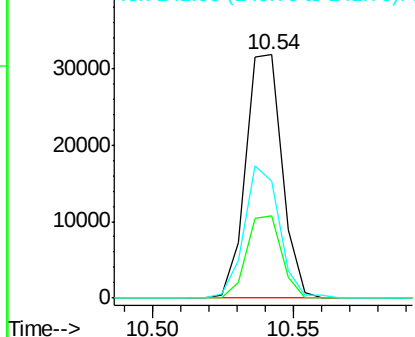


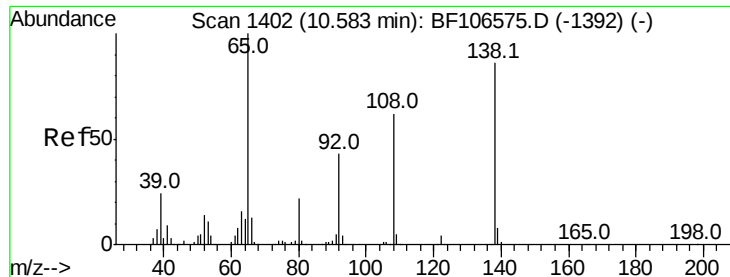
#60
4-Chlorophenyl-phenylether
Concen: 7.920 ng
RT: 10.54 min Scan# 1395
Delta R.T. 0.00 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

Tgt Ion:204 Resp: 28491
Ion Ratio Lower Upper
204 100
206 34.0 26.5 39.7
141 48.2 54.6 81.8#



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

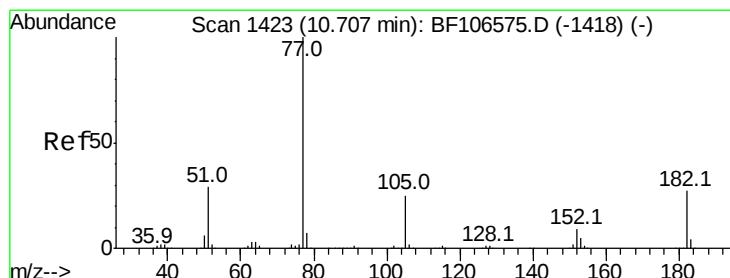
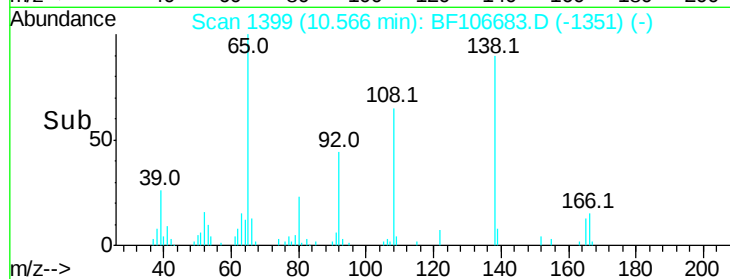
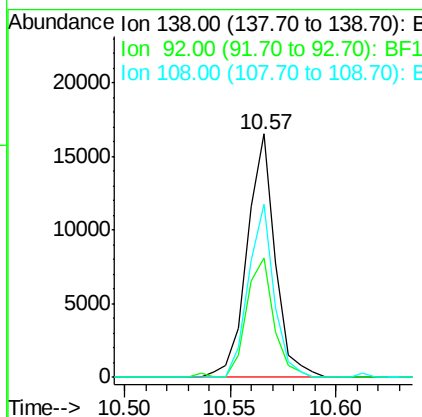
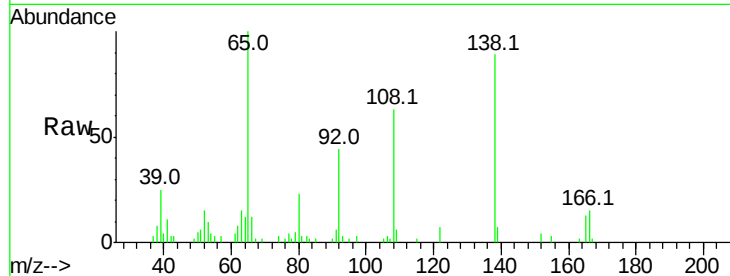




#61
 4-Nitroaniline
 Concen: 8.252 ng
 RT: 10.57 min Scan# 1399
 Delta R.T. -0.02 min
 Lab File: BF106683.D
 Acq: 22 Jun 2018 1:22

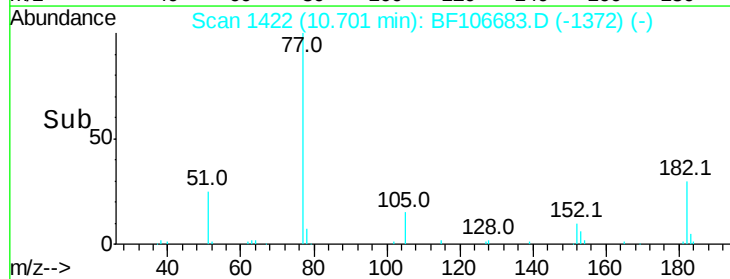
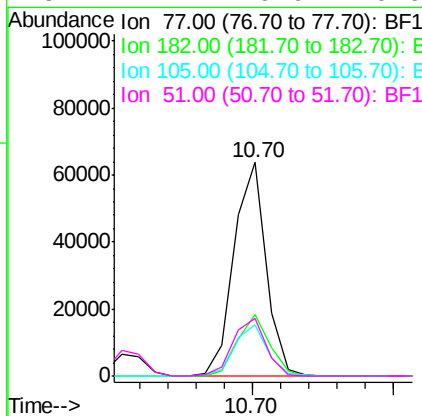
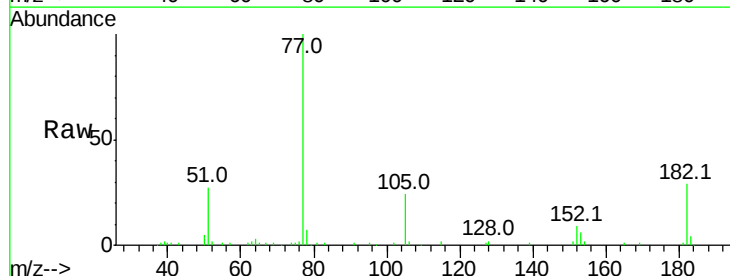
Instrument :
 BNA_F
 ClientSampleId :
 AREA1(S)MS

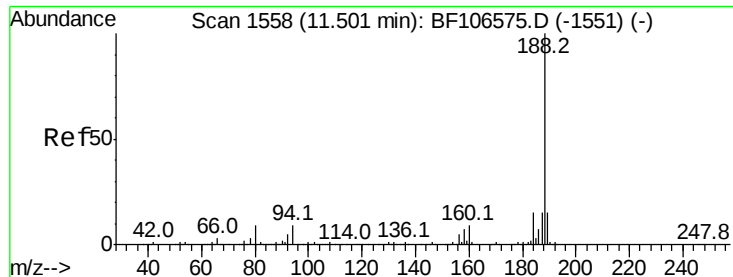
Tot Ion:	138	Resp:	15186
Ion	Ratio	Lower	Upper
138	100		
92	49.0	30.2	70.2
108	71.4	52.5	92.5



#62
 Azobenzene
 Concen: 6.963 ng
 RT: 10.70 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: BF106683.D
 Acq: 22 Jun 2018 1:22

Tgt Ion:	77	Resp:	50363
Ion	Ratio	Lower	Upper
77	100		
182	28.7	1.7	41.7
105	23.9	3.0	43.0
51	27.2	9.9	49.9





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA_F

ClientSampleId :

AREA1(S)MS

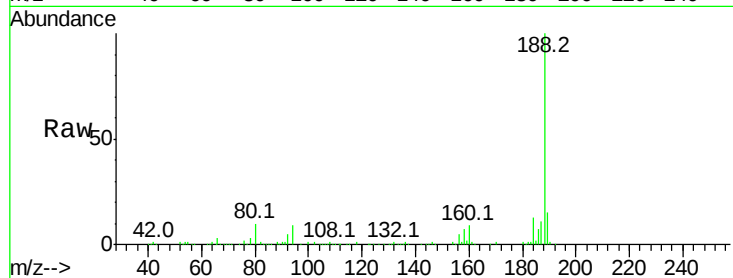
Tot Ion:188 Resp: 201628

Ion Ratio Lower Upper

188 100

94 9.1 8.5 12.7

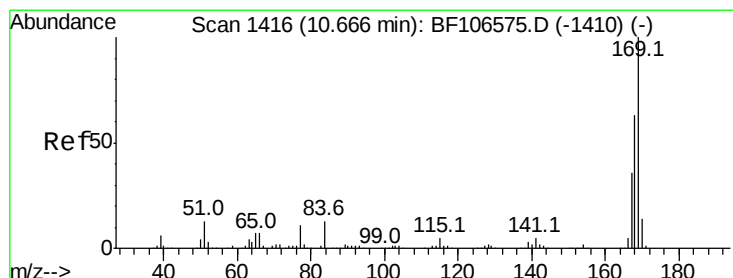
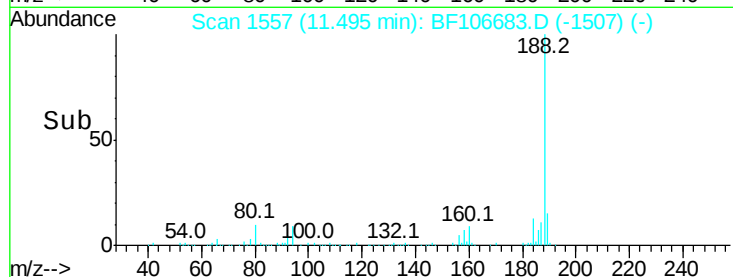
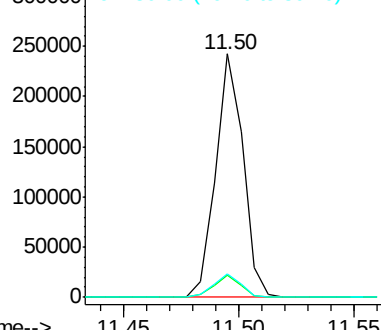
80 9.8 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

n-Nitrosodiphenylamine

Concen: 7.239 ng

RT: 10.66 min Scan# 1415

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

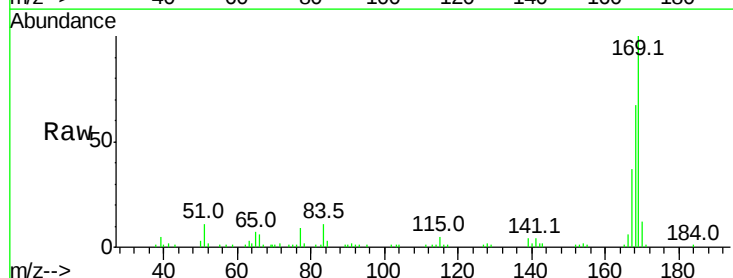
Tgt Ion:169 Resp: 49094

Ion Ratio Lower Upper

169 100

168 67.0 54.4 81.6

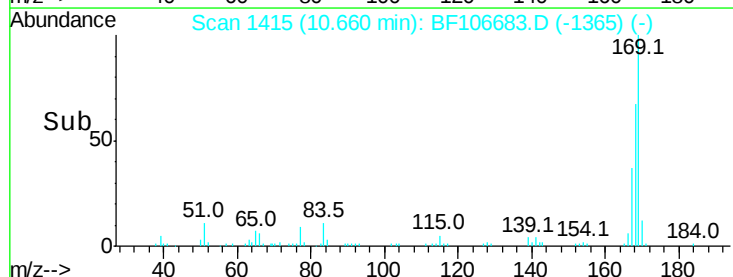
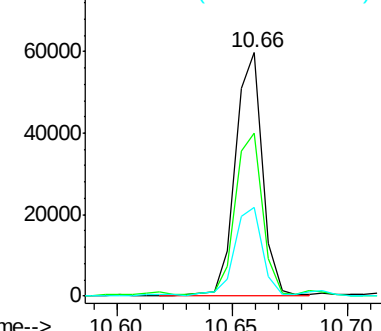
167 36.7 29.8 44.6

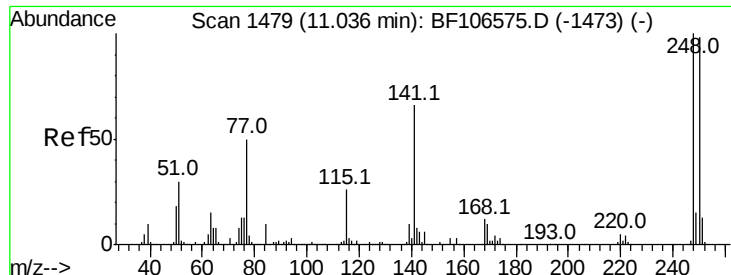


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

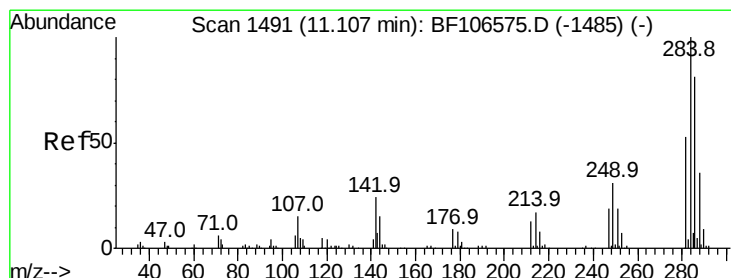
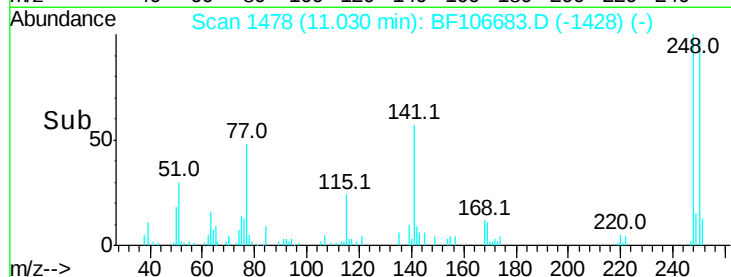
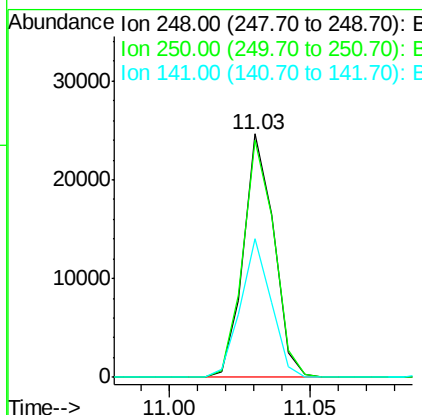
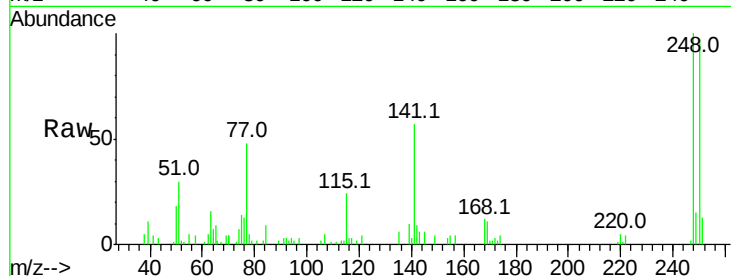




#66
 4-Bromophenyl-phenylether
 Concen: 7.699 ng
 RT: 11.03 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: BF106683.D
 Acq: 22 Jun 2018 1:22

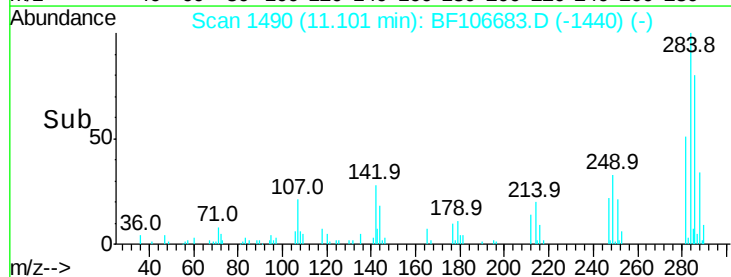
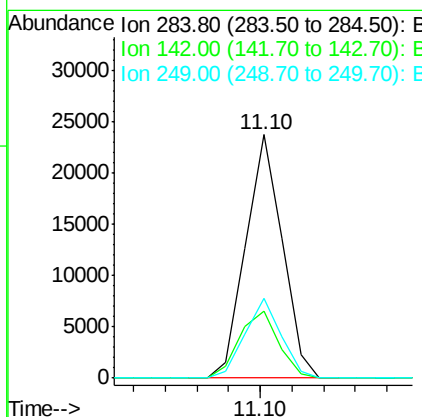
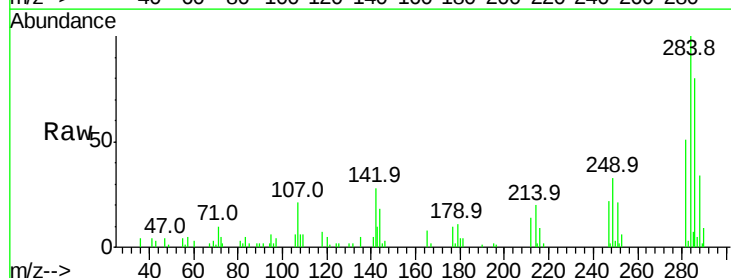
Instrument :
 BNA_F
 ClientSampleId :
 AREA1(S)MS

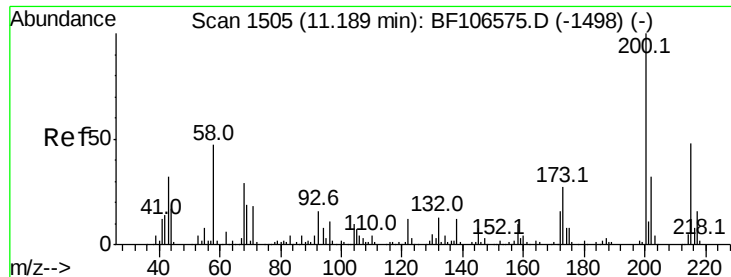
Tot Ion:248 Resp: 18526
 Ion Ratio Lower Upper
 248 100
 250 97.3 76.9 115.3
 141 57.2 74.4 111.6#



#67
 Hexachlorobenzene
 Concen: 7.548 ng
 RT: 11.10 min Scan# 1490
 Delta R.T. -0.01 min
 Lab File: BF106683.D
 Acq: 22 Jun 2018 1:22

Tgt Ion:284 Resp: 19009
 Ion Ratio Lower Upper
 284 100
 142 27.6 34.6 52.0#
 249 32.7 24.8 37.2

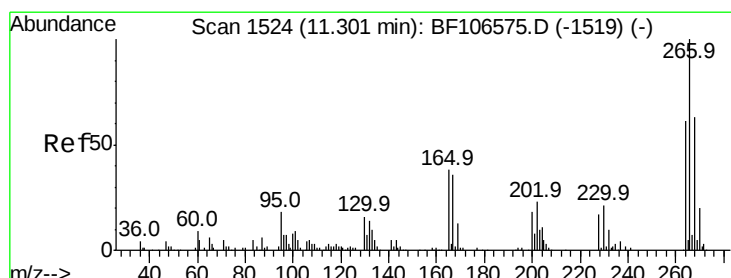
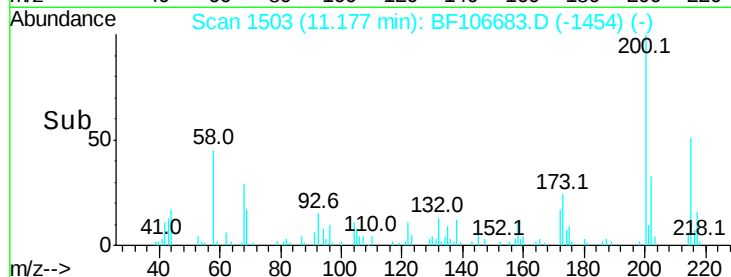
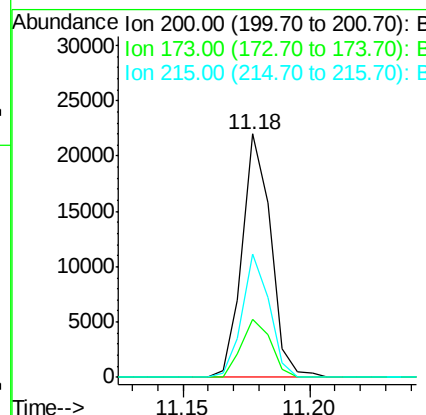
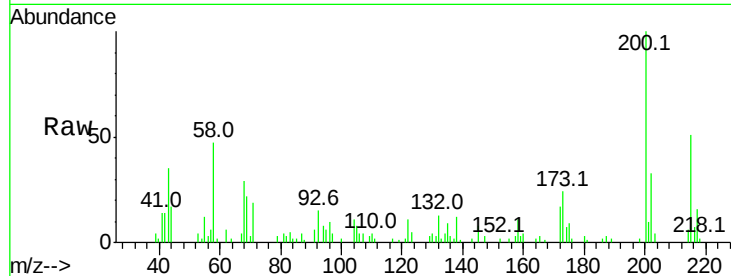




#68
Atrazine
Concen: 7.986 ng
RT: 11.18 min Scan# 1503
Delta R.T. -0.01 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

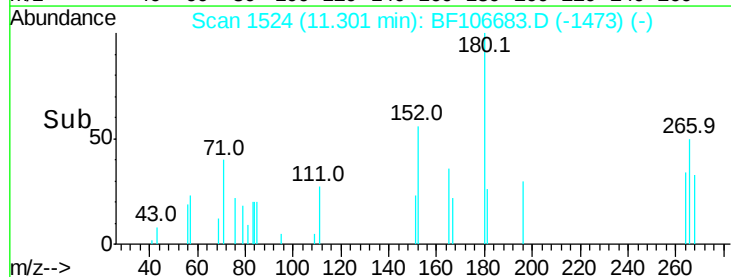
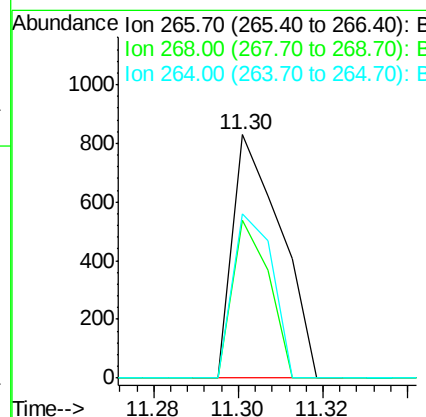
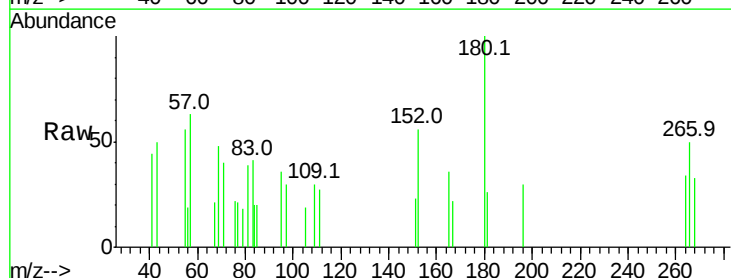
Instrument :
BNA_F
ClientSampleId :
AREA1(S)MS

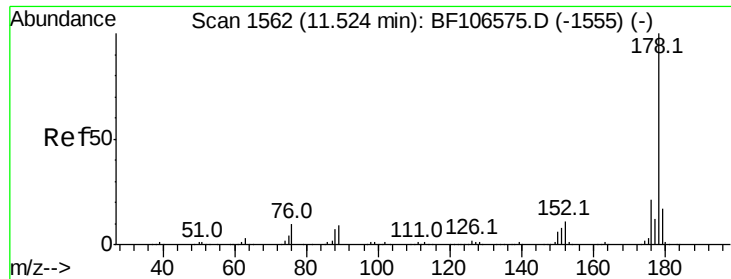
Tot Ion:200 Resp: 17217
Ion Ratio Lower Upper
200 100
173 24.0 8.6 48.6
215 50.7 25.1 65.1



#69
Pentachlorophenol
Concen: 0.521 ng
RT: 11.30 min Scan# 1524
Delta R.T. 0.00 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

Tgt Ion:266 Resp: 655
Ion Ratio Lower Upper
266 100
268 64.6 51.1 76.7
264 67.3 49.5 74.3

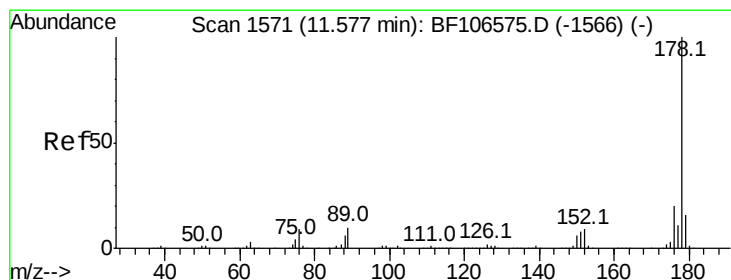
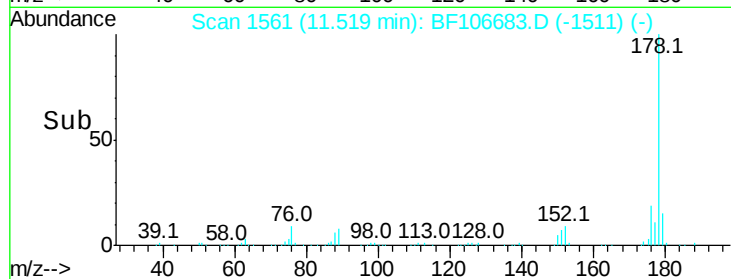
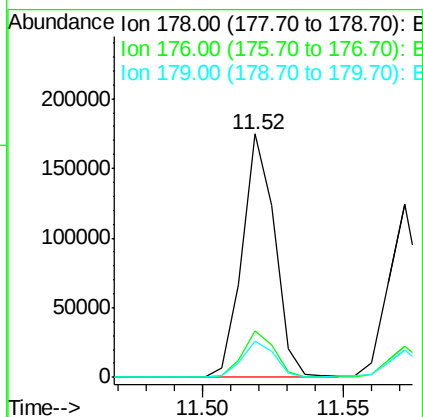
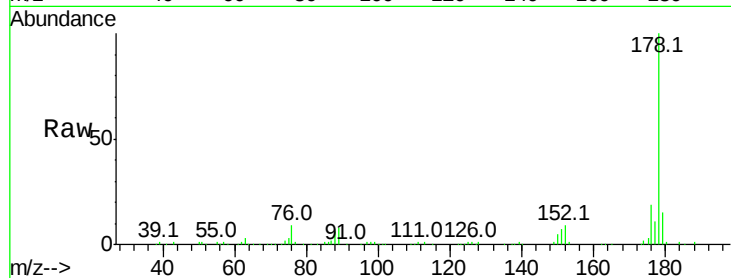




#70
Phenanthrene
Concen: 14.341 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

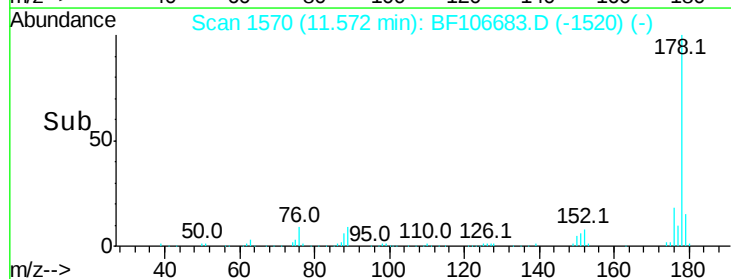
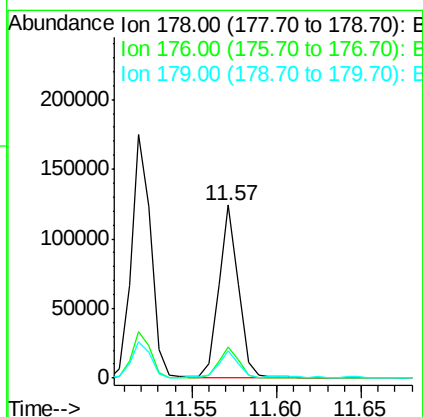
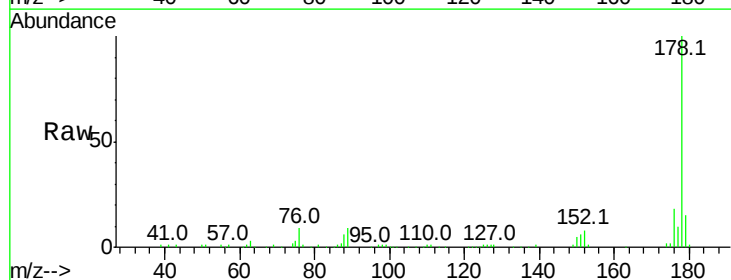
Instrument :
BNA_F
ClientSampleId :
AREA1(S)MS

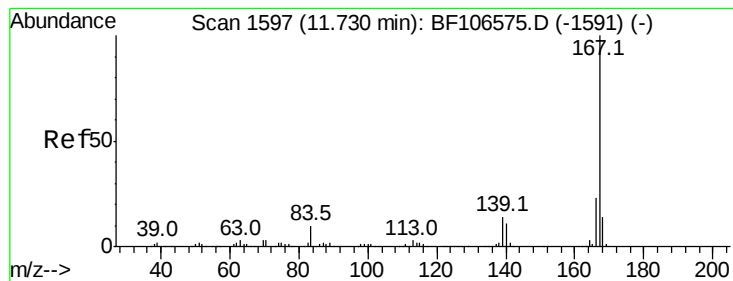
Tot Ion:178 Resp: 139469
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 15.0 13.0 19.6



#71
Anthracene
Concen: 10.100 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

Tgt Ion:178 Resp: 100252
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 15.5 12.6 19.0





#72

Carbazole

Concen: 8.698 ng

RT: 11.73 min Scan# 1597

Delta R.T. 0.00 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA_F

ClientSampleId :

AREA1(S)MS

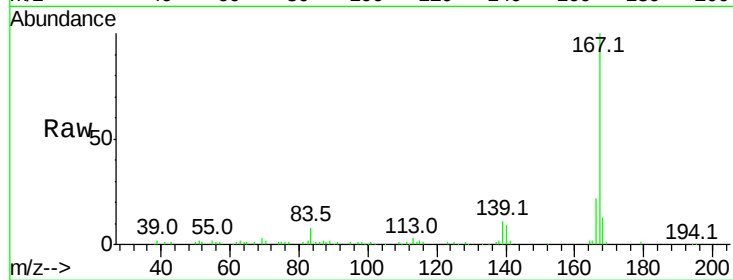
Tot Ion:167 Resp: 80836

Ion Ratio Lower Upper

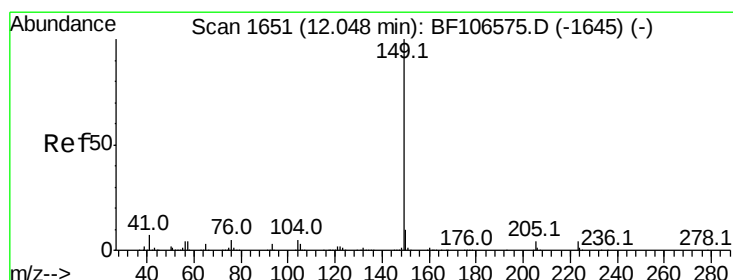
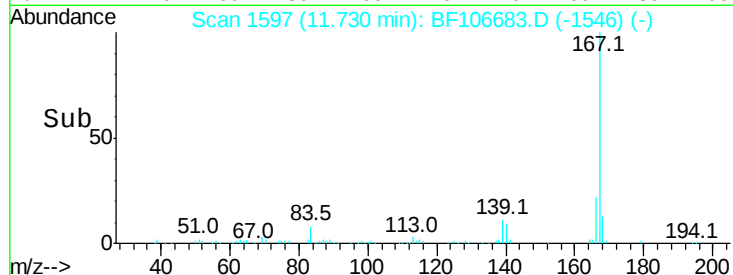
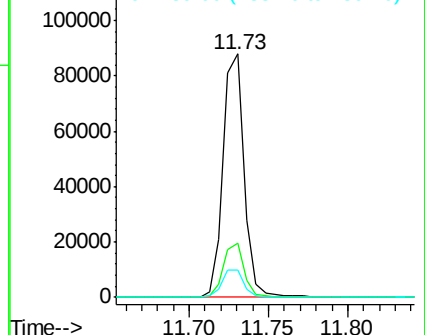
167 100

166 22.0 17.6 26.4

139 11.0 10.9 16.3



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



#73

Di-n-butylphthalate

Concen: 7.874 ng

RT: 12.04 min Scan# 1650

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

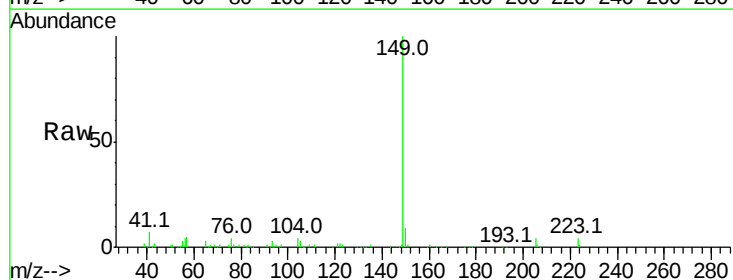
Tgt Ion:149 Resp: 86209

Ion Ratio Lower Upper

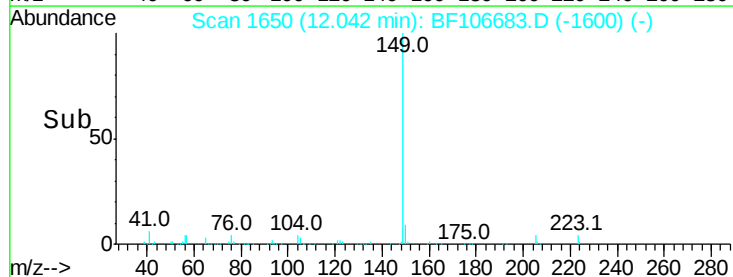
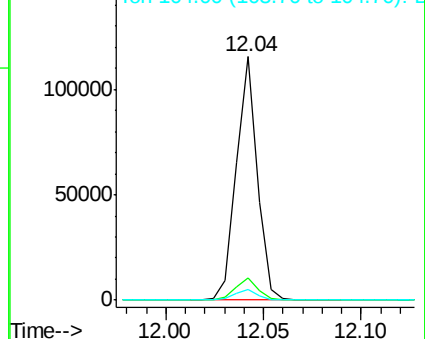
149 100

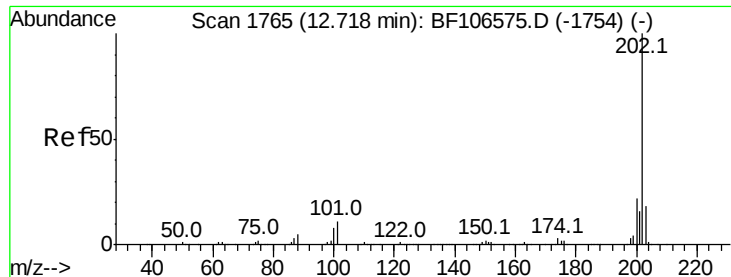
150 9.2 7.8 11.6

104 4.4 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 15.492 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA_F

ClientSampleId :

AREA1(S)MS

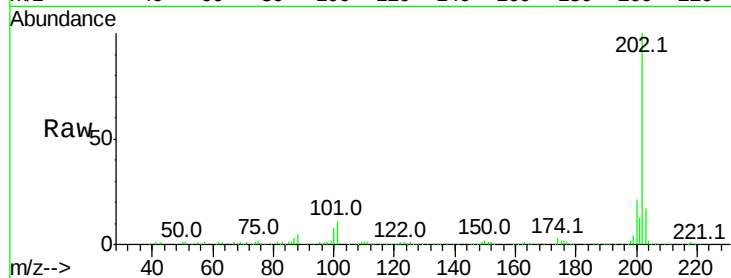
Tot Ion:202 Resp: 166051

Ion Ratio Lower Upper

202 100

101 11.2 0.0 34.1

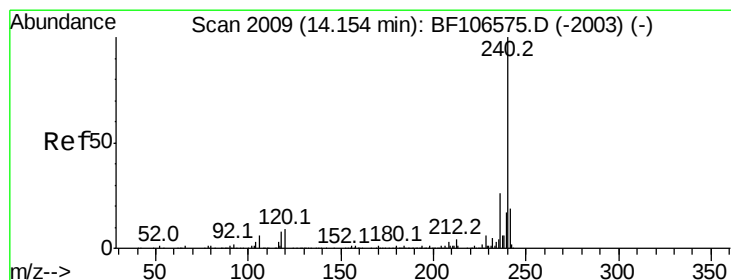
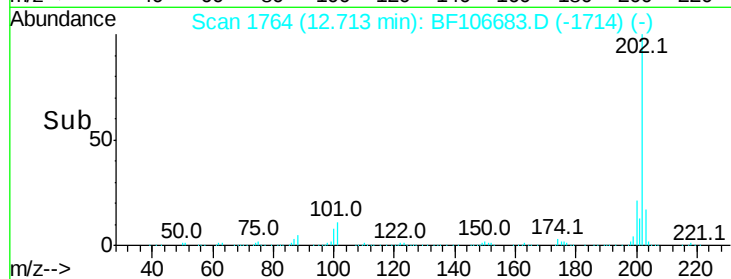
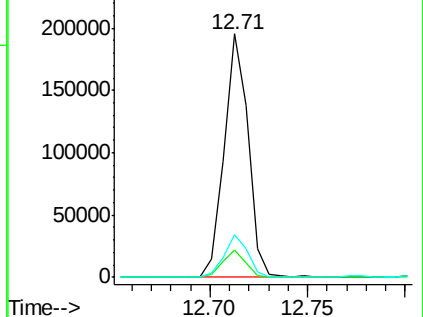
203 17.4 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

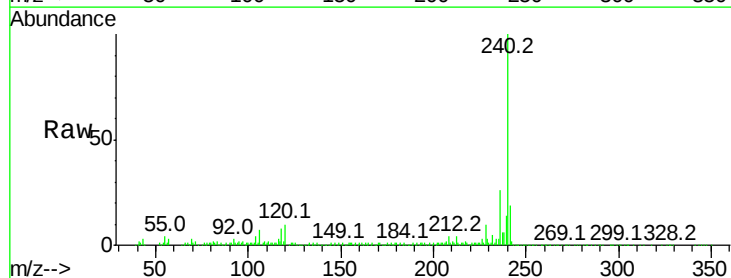
Tgt Ion:240 Resp: 166970

Ion Ratio Lower Upper

240 100

120 9.9 9.5 14.3

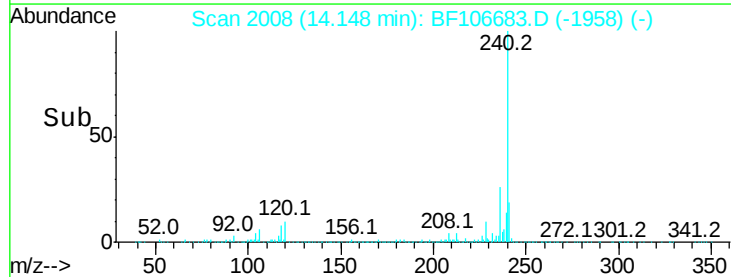
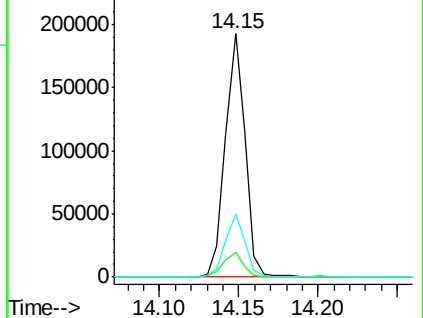
236 25.7 20.7 31.1

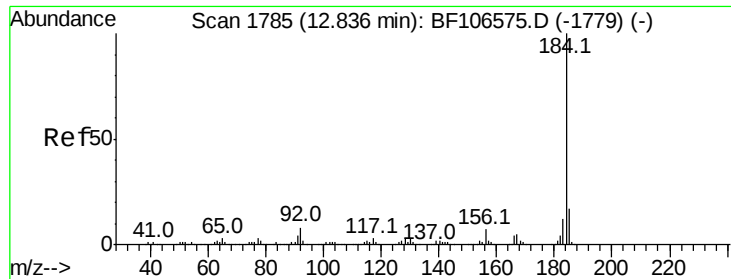


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

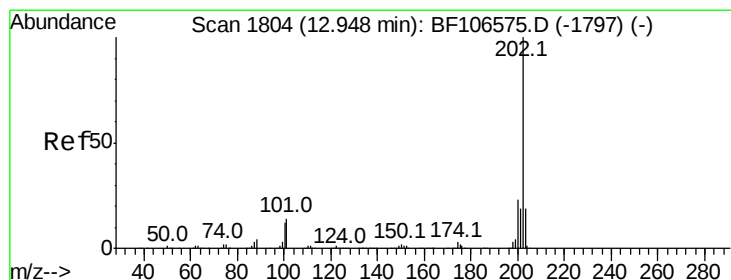
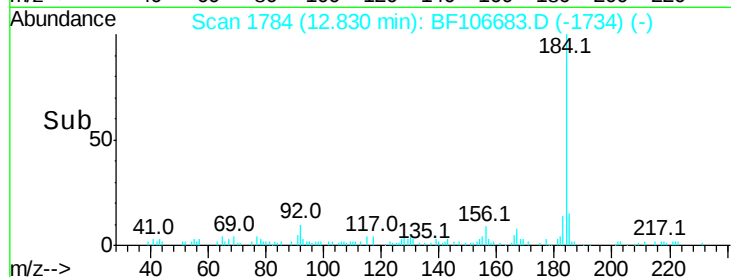
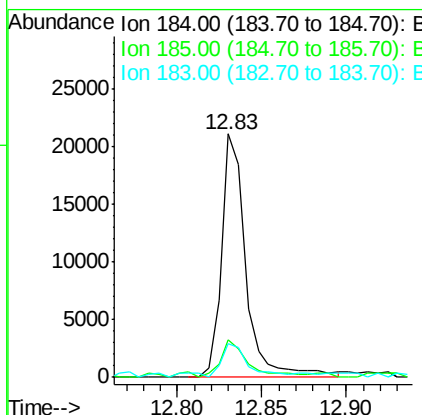
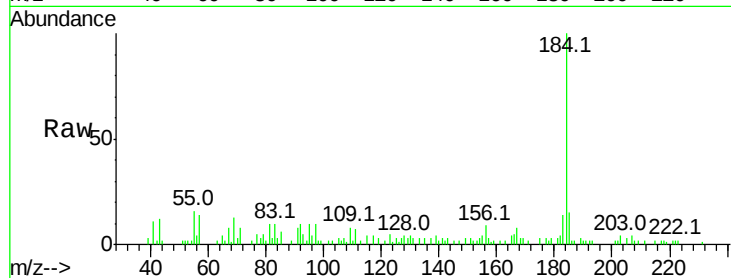




#76
Benzidine
Concen: 4.486 ng
RT: 12.83 min Scan# 1784
Delta R.T. -0.01 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

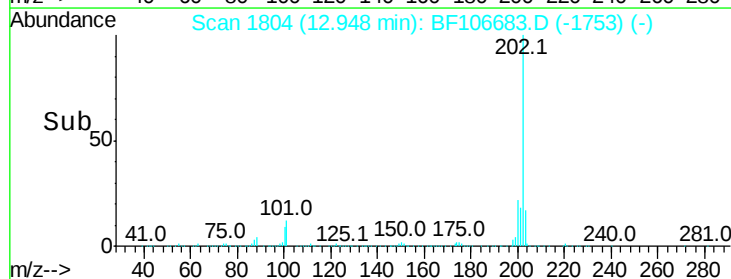
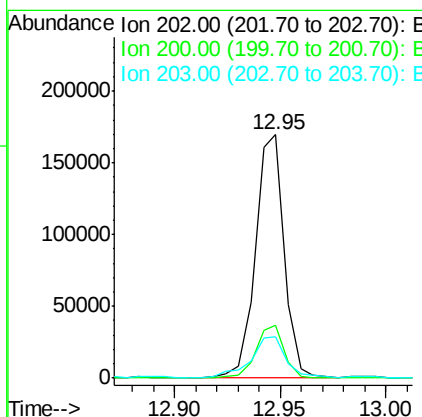
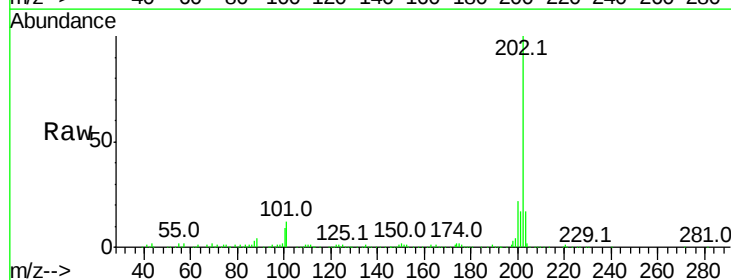
Instrument :
BNA_F
ClientSampleId :
AREA1(S)MS

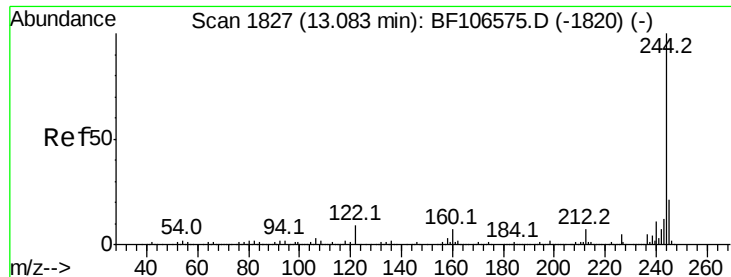
Tot Ion:184 Resp: 21331
Ion Ratio Lower Upper
184 100
185 15.5 12.6 18.8
183 13.8 9.3 13.9



#77
Pyrene
Concen: 14.639 ng
RT: 12.95 min Scan# 1804
Delta R.T. 0.00 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

Tgt Ion:202 Resp: 161187
Ion Ratio Lower Upper
202 100
200 21.5 17.4 26.2
203 17.1 14.3 21.5

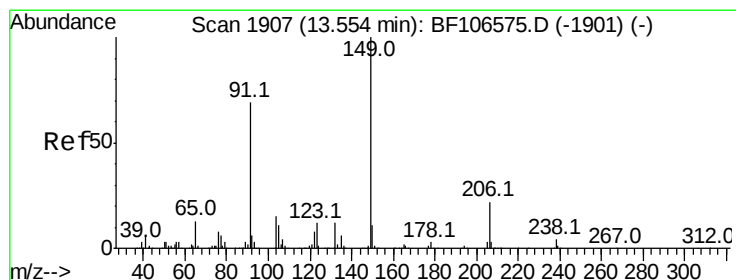
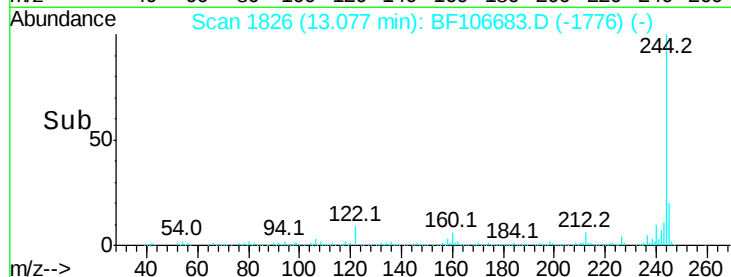
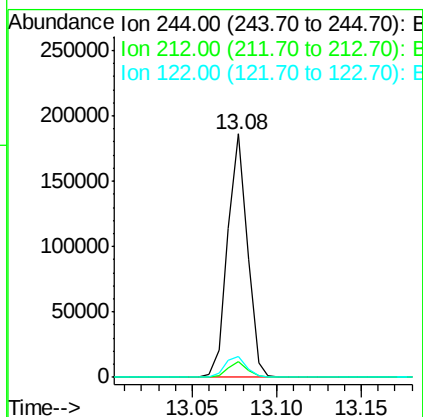
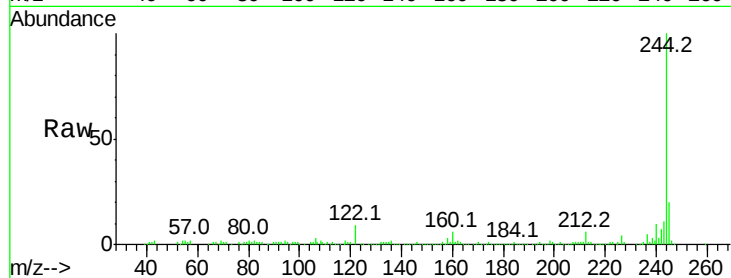




#78
 Terphenyl-d14
 Concen: 21.976 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF106683.D
 Acq: 22 Jun 2018 1:22

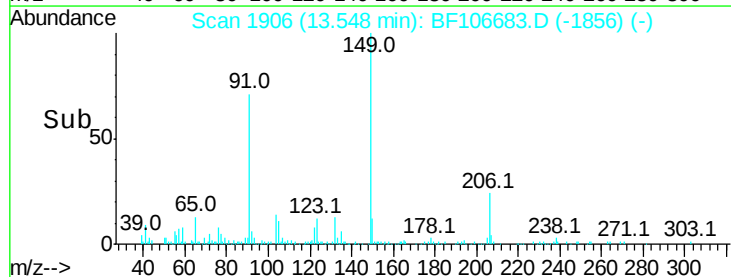
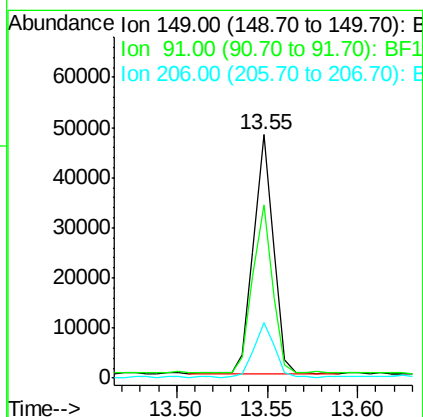
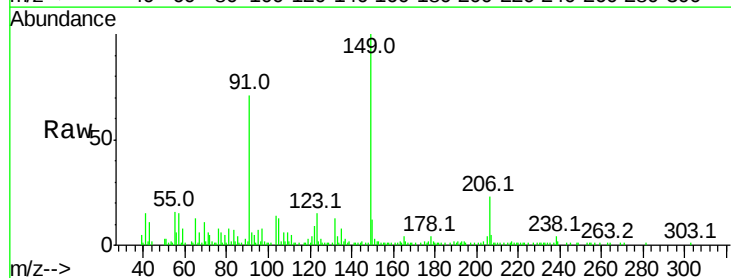
Instrument :
 BNA_F
 ClientSampleId :
 AREA1(S)MS

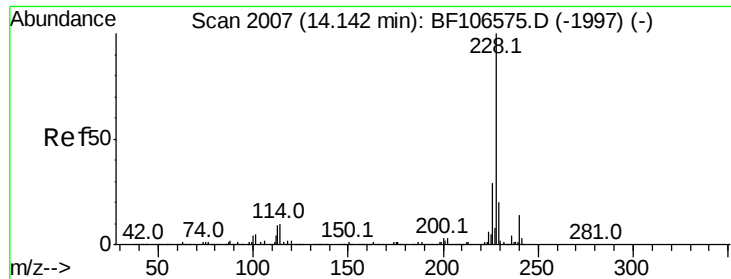
Tot Ion:244 Resp: 151484
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 8.8 11.0 16.4#



#79
 Butylbenzylphthalate
 Concen: 8.117 ng
 RT: 13.55 min Scan# 1906
 Delta R.T. -0.01 min
 Lab File: BF106683.D
 Acq: 22 Jun 2018 1:22

Tgt Ion:149 Resp: 36746
 Ion Ratio Lower Upper
 149 100
 91 71.0 56.8 85.2
 206 23.0 14.1 21.1#

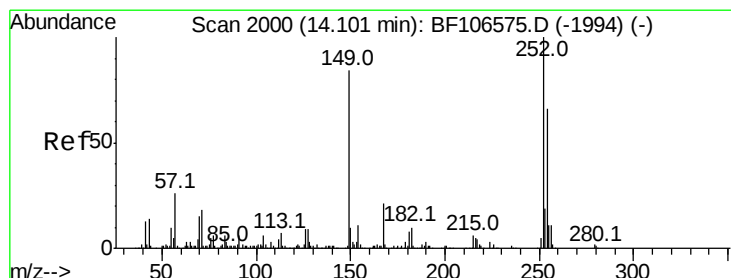
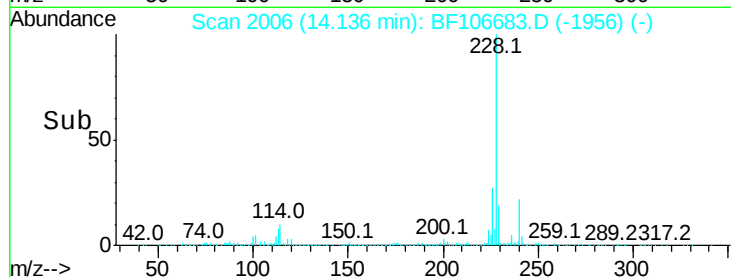
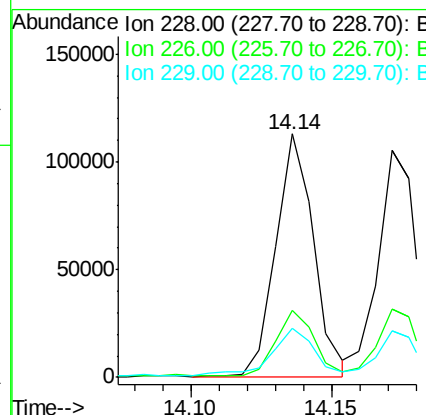
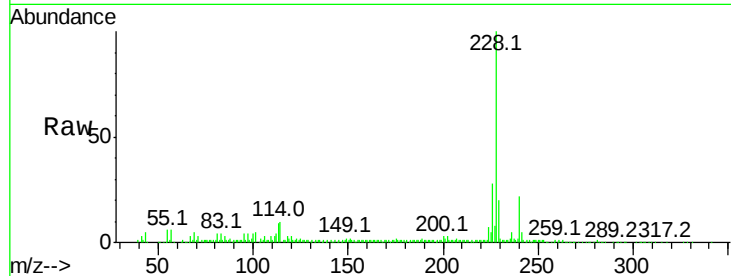




#80
Benzo(a)anthracene
Concen: 10.219 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

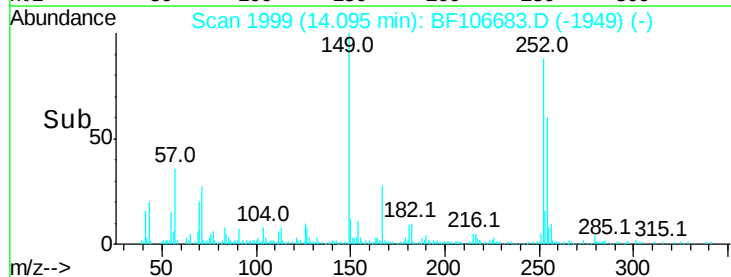
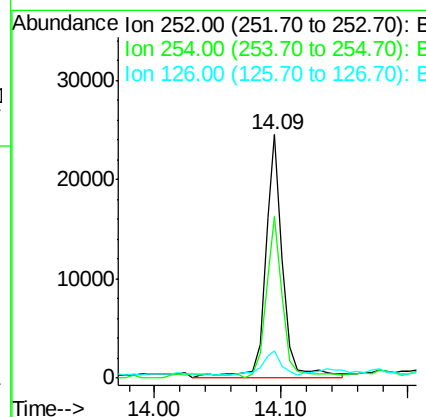
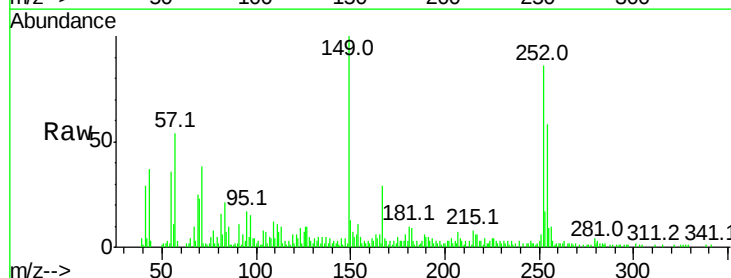
Instrument :
BNA_F
ClientSampleId :
AREA1(S)MS

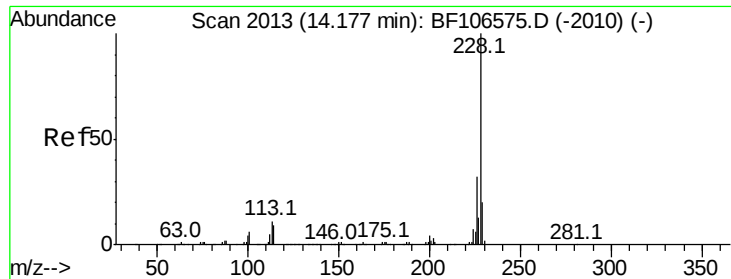
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	20.1	15.8	23.6



#81
3,3'-Dichlorobenzidine
Concen: 6.619 ng
RT: 14.09 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

Tgt Ion	Ratio	Lower	Upper
252	100		
254	66.6	50.4	75.6
126	11.0	11.3	16.9





#82

Chrysene

Concen: 10.344 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA_F

ClientSampleId :

AREA1(S)MS

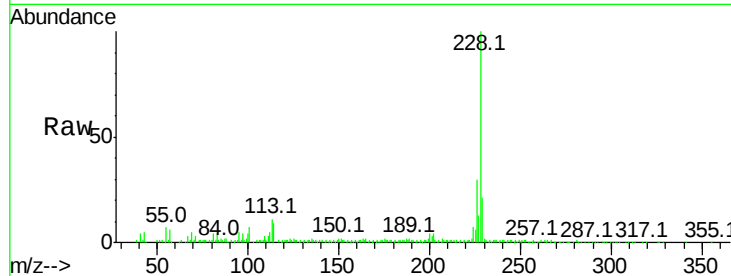
Tot Ion:228 Resp: 96846

Ion Ratio Lower Upper

228 100

226 30.0 25.0 37.6

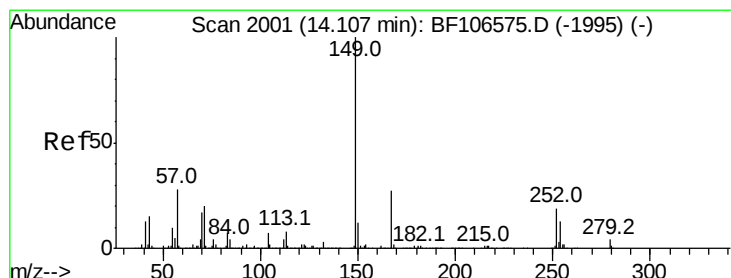
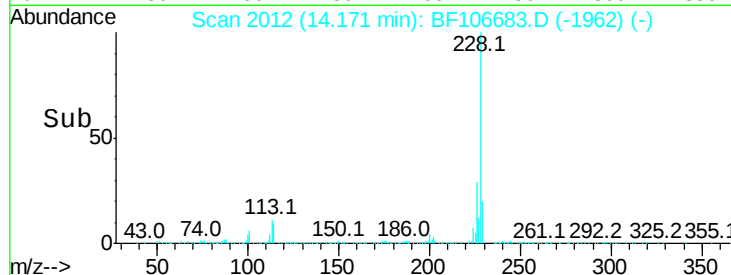
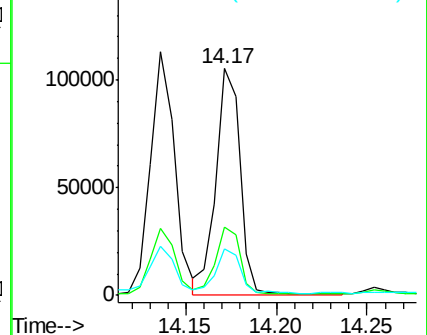
229 20.6 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 10.136 ng

RT: 14.10 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

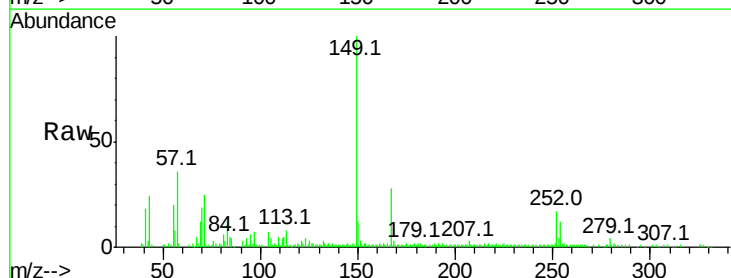
Tgt Ion:149 Resp: 58664

Ion Ratio Lower Upper

149 100

167 28.4 21.3 31.9

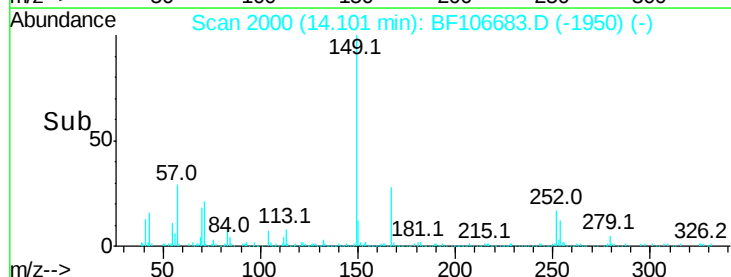
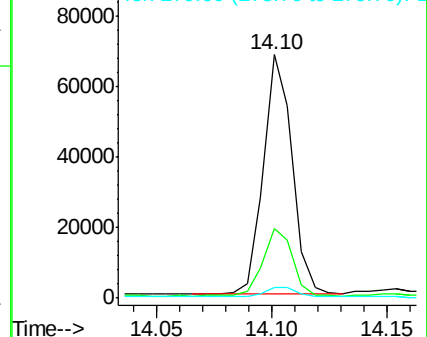
279 4.5 3.0 4.4#

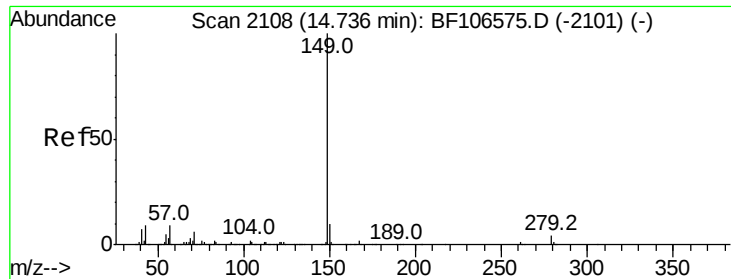


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 7.938 ng

RT: 14.73 min Scan# 2107

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA_F

ClientSampleId :

AREA1(S)MS

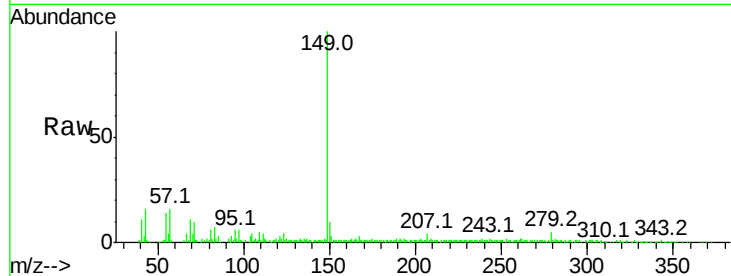
Tot Ion:149 Resp: 74883

Ion Ratio Lower Upper

149 100

167 2.5 1.2 1.8#

43 7.9 8.4 12.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

120000

100000

80000

60000

40000

20000

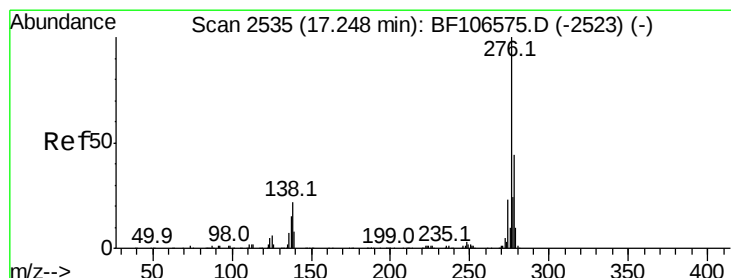
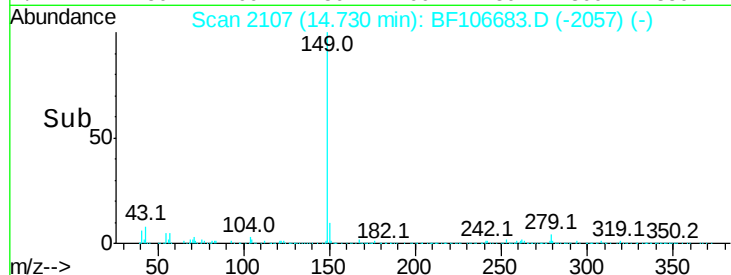
0

14.73

14.75

14.80

Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 8.024 ng

RT: 17.26 min Scan# 2537

Delta R.T. 0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

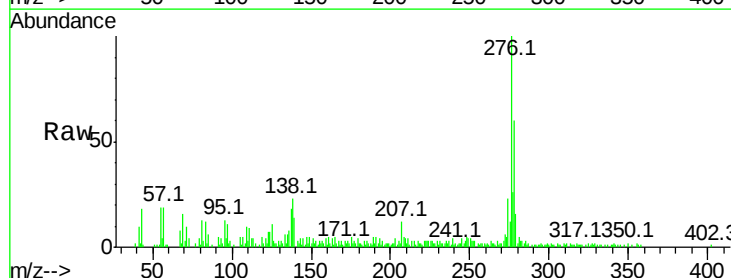
Tgt Ion:276 Resp: 63750

Ion Ratio Lower Upper

276 100

138 22.7 25.0 37.6#

277 25.3 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

40000

30000

20000

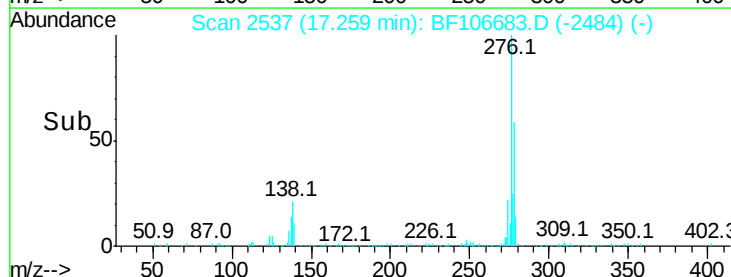
10000

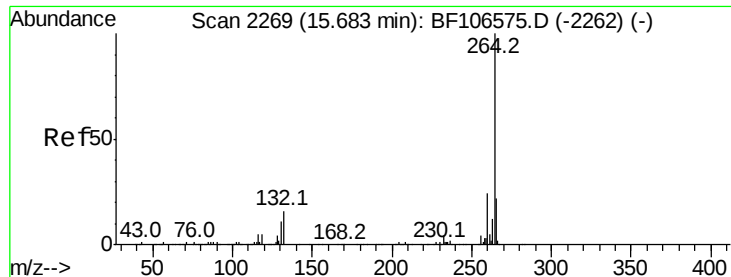
0

17.26

17.30

Time-->



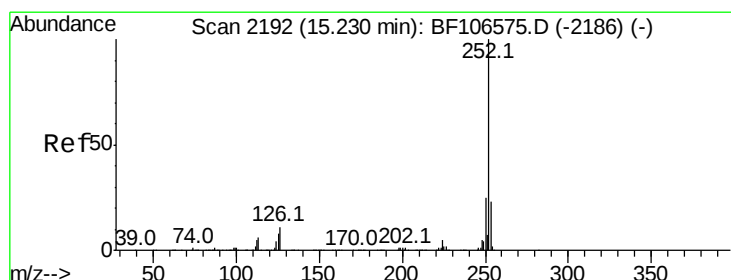
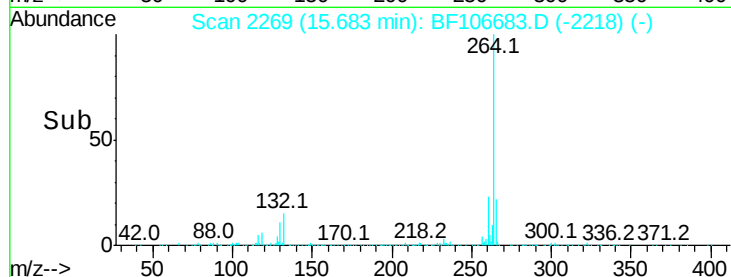
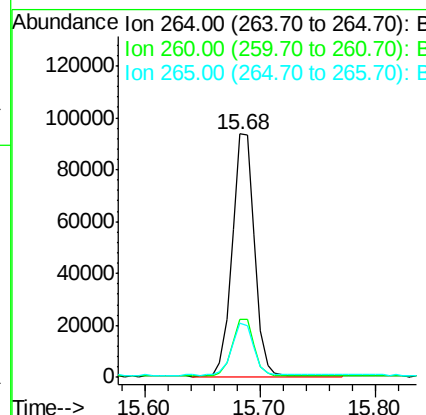
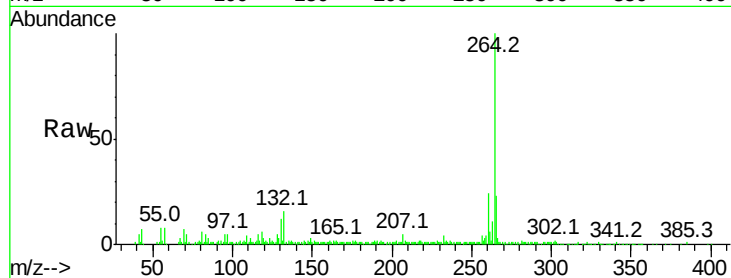


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

Instrument :
BNA_F
ClientSampleId :
AREA1(S)MS

Tot Ion:264 Resp: 124382

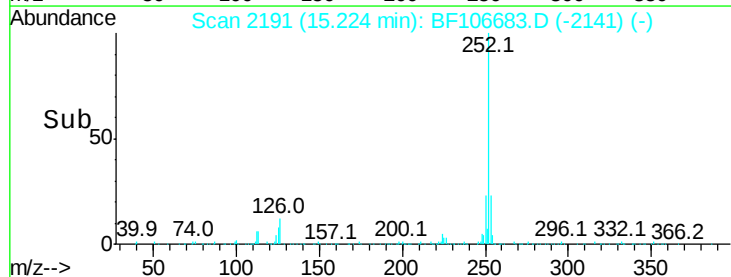
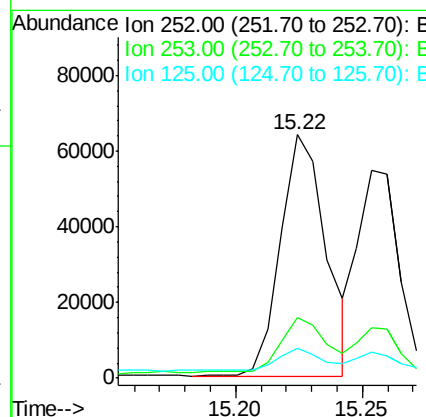
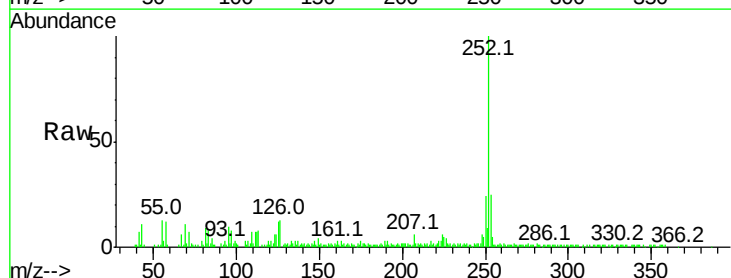
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.5	17.5	26.3

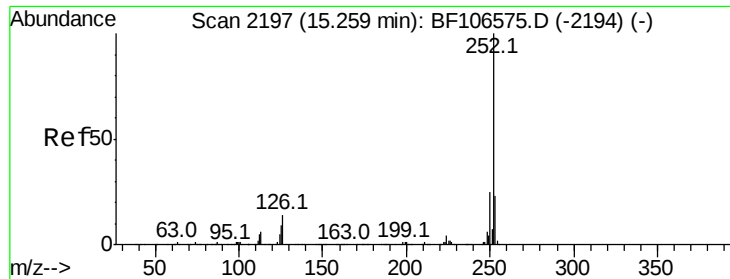


#87
Benzo(b)fluoranthene
Concen: 10.303 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF106683.D
Acq: 22 Jun 2018 1:22

Tgt Ion:252 Resp: 79606

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.0	25.6
125	12.4	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 8.429 ng

RT: 15.25 min Scan# 2196

Delta R.T. -0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA_F

ClientSampleId :

AREA1(S)MS

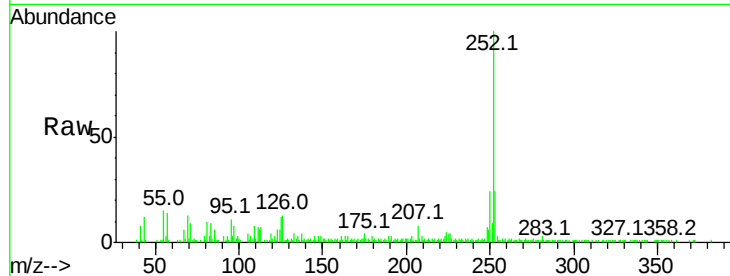
Tot Ion:252 Resp: 62021

Ion Ratio Lower Upper

252 100

253 24.4 17.9 26.9

125 12.4 10.2 15.2

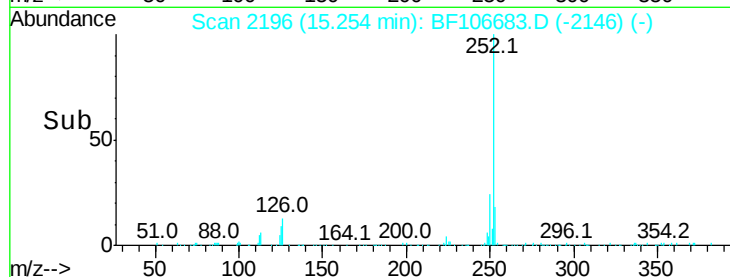


Abundance Ion 252.00 (251.70 to 252.70): E

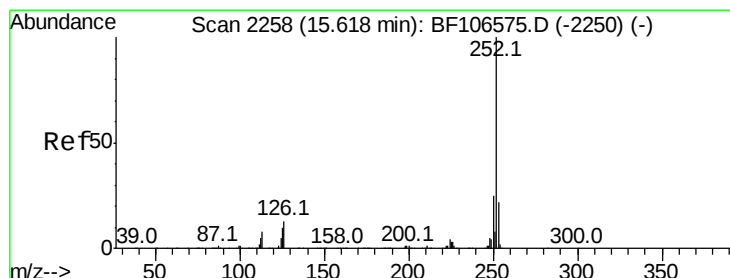
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



Time-->



#89

Benzo(a)pyrene

Concen: 10.065 ng

RT: 15.62 min Scan# 2258

Delta R.T. 0.00 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

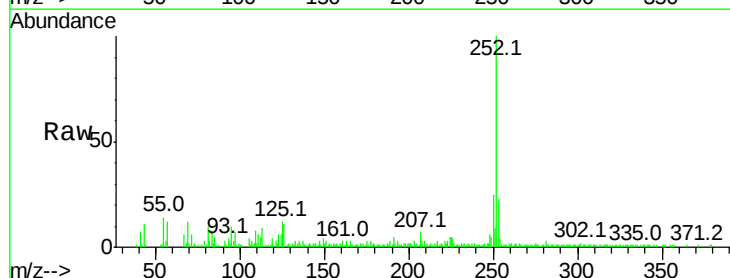
Tgt Ion:252 Resp: 69131

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

125 11.5 9.8 14.6

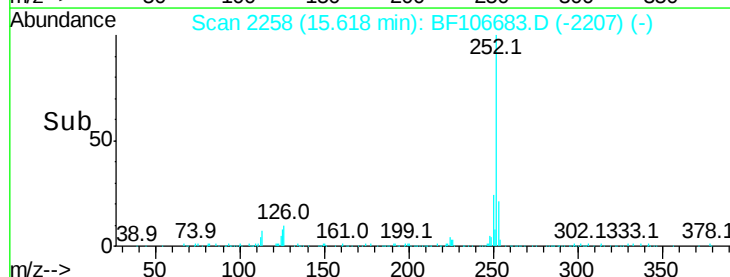


Abundance Ion 252.00 (251.70 to 252.70): E

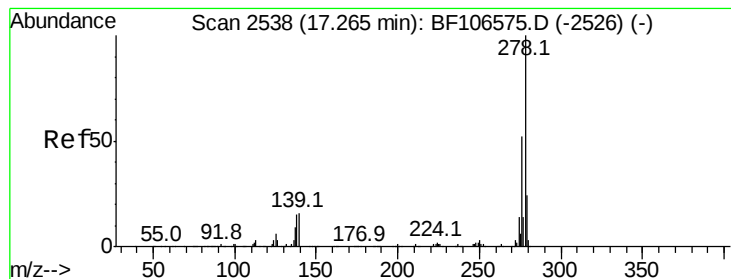
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



Time-->



#90

Dibenzo(a,h)anthracene

Concen: 7.962 ng

RT: 17.27 min Scan# 2539

Delta R.T. 0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

Instrument :

BNA_F

ClientSampleId :

AREA1(S)MS

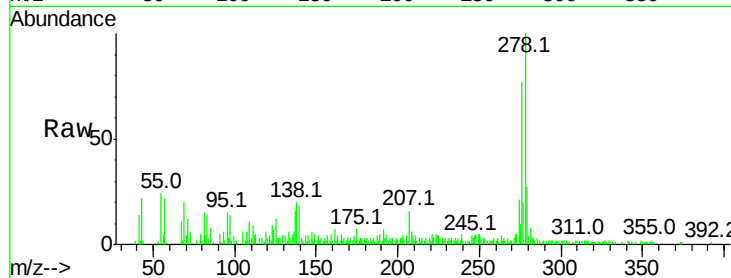
Tot Ion:278 Resp: 46348

Ion Ratio Lower Upper

278 100

139 17.7 15.9 23.9

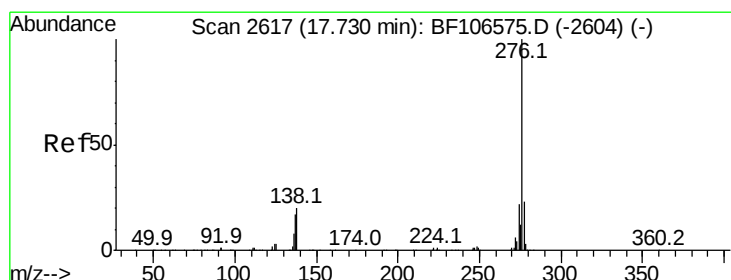
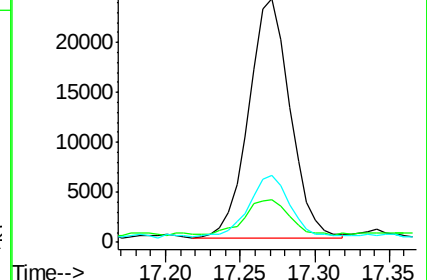
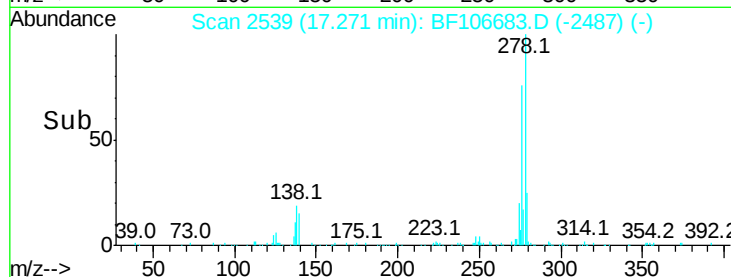
279 27.3 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 9.530 ng

RT: 17.74 min Scan# 2618

Delta R.T. 0.01 min

Lab File: BF106683.D

Acq: 22 Jun 2018 1:22

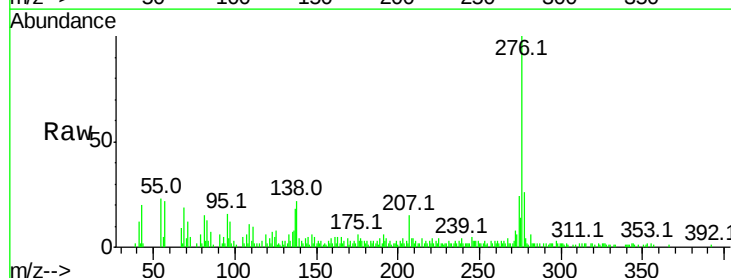
Tgt Ion:276 Resp: 54223

Ion Ratio Lower Upper

276 100

277 26.0 17.9 26.9

138 21.6 21.8 32.8#



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

