

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
 Data File : BF107719.D
 Acq On : 27 Jul 2018 00:04
 Operator : JU/SJ
 Sample : J4120-01MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-4MSD

Quant Time: Jul 27 01:16:28 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	192701	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	767267	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	348418	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	604743	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	386552	20.00	ng	-0.02
86) Perylene-d12	15.68	264	450096	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	1441875	120.30	ng	0.00
7) Phenol-d6	6.61	99	1685121	117.09	ng	0.00
23) Nitrobenzene-d5	7.53	82	1131489	99.52	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	530923	134.00	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	2098479	112.56	ng	-0.02
78) Terphenyl-d14	13.08	244	1500951	99.41	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.88	88	167650	30.053	ng	# 85
3) Pyridine	3.66	79	401456	26.453	ng	# 85
4) n-Nitrosodimethylamine	3.63	42	181551	28.364	ng	98
6) Aniline	6.64	93	460166	24.792	ng	# 76
8) 2-Chlorophenol	6.75	128	539478	42.013	ng	94
9) Benzaldehyde	6.52	77	339216	38.717	ng	96
10) Phenol	6.62	94	625882	36.980	ng	89
11) bis(2-Chloroethyl)ether	6.70	93	435291	31.021	ng	94
12) 1,3-Dichlorobenzene	6.90	146	571224	39.236	ng	97
13) 1,4-Dichlorobenzene	6.98	146	631258	42.305	ng	99
14) 1,2-Dichlorobenzene	7.13	146	540869	40.391	ng	99
15) Benzyl Alcohol	7.11	79	407129	41.509	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.23	45	850324	35.920	ng	72
17) 2-Methylphenol	7.22	107	439228	40.245	ng	# 88
18) Hexachloroethane	7.47	117	211136	40.342	ng	96
19) n-Nitroso-di-n-propylamine	7.37	70	363839	39.135	ng	97
20) 3+4-Methylphenols	7.37	107	516728	39.873	ng	# 64
22) Acetophenone	7.38	105	783125	43.460	ng	# 91
24) Nitrobenzene	7.55	77	545875	41.920	ng	99
25) Isophorone	7.78	82	1064220	43.841	ng	98
26) 2-Nitrophenol	7.87	139	304020	55.287	ng	98
27) 2,4-Dimethylphenol	7.90	122	490362	47.110	ng	98
28) bis(2-Chloroethoxy)methane	7.99	93	661976	40.806	ng	100
29) 2,4-Dichlorophenol	8.11	162	474894	44.637	ng	97
30) 1,2,4-Trichlorobenzene	8.18	180	498992	41.759	ng	98
31) Naphthalene	8.27	128	1599645	47.411	ng	99
32) Benzoic acid	8.02	122	143902	24.444	ng	96
33) 4-Chloroaniline	8.32	127	201526	13.666	ng	97
34) Hexachlorobutadiene	8.37	225	285582	40.221	ng	99
35) Caprolactam	8.70	113	134242	38.793	ng	# 73
36) 4-Chloro-3-methylphenol	8.81	107	512241	43.344	ng	99
37) 2-Methylnaphthalene	8.96	142	1081401	46.252	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.12	216	514059	44.235	ng	98
40) Hexachlorocyclopentadiene	9.10	237	277568	46.985	ng	99

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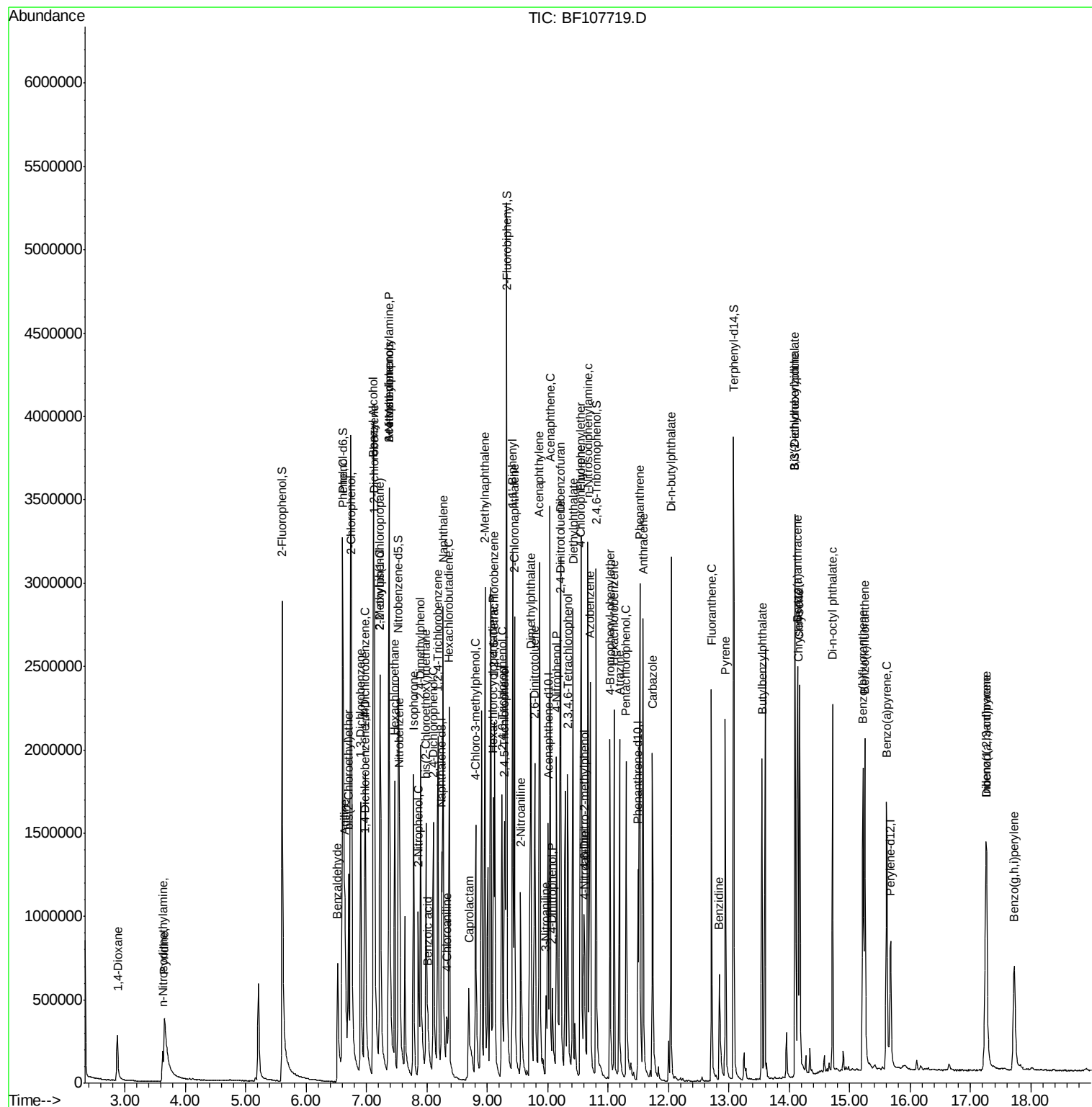
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.24	196	327106	43.975	ng	98
43) 2,4,5-Trichlorophenol	9.28	196	356339	45.835	ng	97
45) 1,1'-Biphenyl	9.42	154	1354135	44.615	ng	98
46) 2-Chloronaphthalene	9.45	162	986040	42.503	ng	99
47) 2-Nitroaniline	9.55	65	324854	48.031	ng	90
48) Acenaphthylene	9.87	152	1582299	45.403	ng	98
49) Dimethylphthalate	9.72	163	1245584	47.435	ng	99
50) 2,6-Dinitrotoluene	9.79	165	248754	47.714	ng	# 91
51) Acenaphthene	10.04	154	881984	40.392	ng	99
52) 3-Nitroaniline	9.97	138	138368	21.816	ng	92
53) 2,4-Dinitrophenol	10.08	184	134295	62.019	ng	# 29
54) Dibenzofuran	10.21	168	1354554	42.137	ng	98
55) 4-Nitrophenol	10.14	139	267683	56.370	ng	91
56) 2,4-Dinitrotoluene	10.20	165	304323	48.358	ng	93
57) Fluorene	10.55	166	1068862	46.606	ng	95
58) 2,3,4,6-Tetrachlorophenol	10.33	232	306252	47.333	ng	# 84
59) Diethylphthalate	10.42	149	1168610	42.612	ng	97
60) 4-Chlorophenyl-phenylether	10.54	204	536842	41.406	ng	94
61) 4-Nitroaniline	10.60	138	185352	34.783	ng	96
62) Azobenzene	10.71	77	1040599	40.465	ng	92
64) 4,6-Dinitro-2-methylphenol	10.61	198	111826	40.057	ng	92
65) n-Nitrosodiphenylamine	10.67	169	950039	46.256	ng	99
66) 4-Bromophenyl-phenylether	11.04	248	322017	45.234	ng	# 86
67) Hexachlorobenzene	11.10	284	332923	42.503	ng	# 88
68) Atrazine	11.19	200	277406	44.237	ng	96
69) Pentachlorophenol	11.30	266	292725	59.831	ng	99
70) Phenanthrene	11.52	178	1297143	44.017	ng	99
71) Anthracene	11.58	178	1408137	47.458	ng	100
72) Carbazole	11.74	167	1183184	38.347	ng	99
73) Di-n-butylphthalate	12.04	149	1585401	52.461	ng	100
74) Fluoranthene	12.71	202	1161020	36.715	ng	97
76) Benzidine	12.84	184	446629	40.121	ng	96
77) Pyrene	12.94	202	1120470	42.377	ng	98
79) Butylbenzylphthalate	13.55	149	495475	43.574	ng	# 90
80) Benzo(a)anthracene	14.14	228	971709	42.896	ng	100
81) 3,3'-Dichlorobenzidine	14.10	252	306843	46.011	ng	# 97
82) Chrysene	14.17	228	1026920	47.193	ng	99
83) Bis(2-ethylhexyl)phthalate	14.09	149	649861	40.504	ng	99
84) Di-n-octyl phthalate	14.72	149	1171766	46.986	ng	98
85) Indeno(1,2,3-cd)pyrene	17.26	276	912962	49.503	ng	# 93
87) Benzo(b)fluoranthene	15.22	252	1038586	42.162	ng	97
88) Benzo(k)fluoranthene	15.25	252	1047555	43.406	ng	# 97
89) Benzo(a)pyrene	15.61	252	1033992	45.888	ng	97
90) Dibenzo(a,h)anthracene	17.27	278	780437	40.068	ng	95
91) Benzo(g,h,i)perylene	17.73	276	690177	35.923	ng	# 91

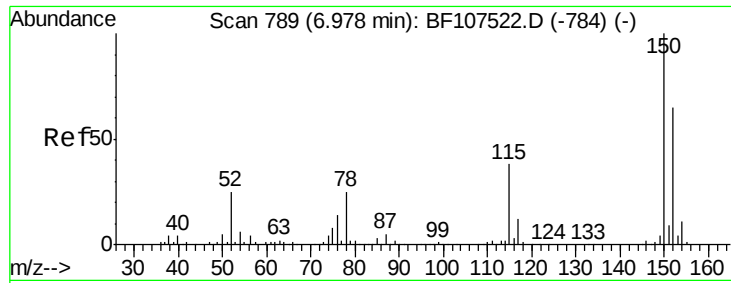
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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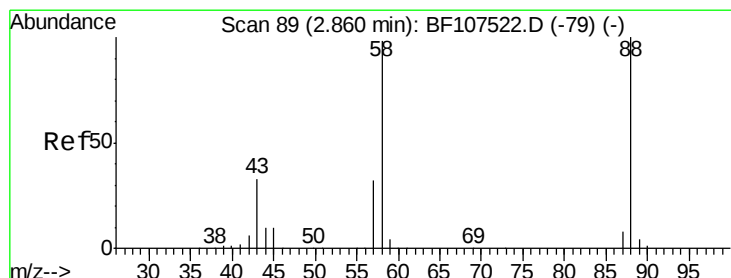
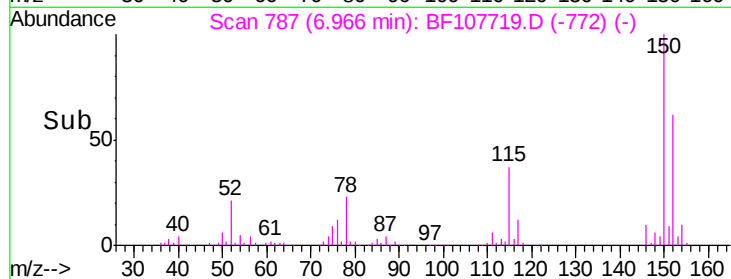
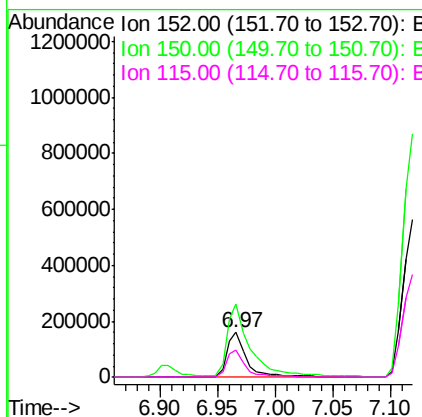
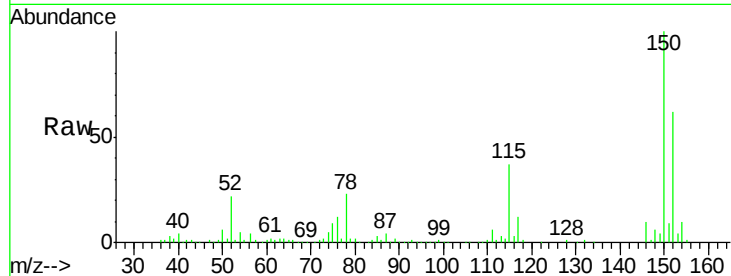




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 787
 Delta R.T. -0.01 min
 Lab File: BF107719.D
 Acq: 27 Jul 2018 00:04

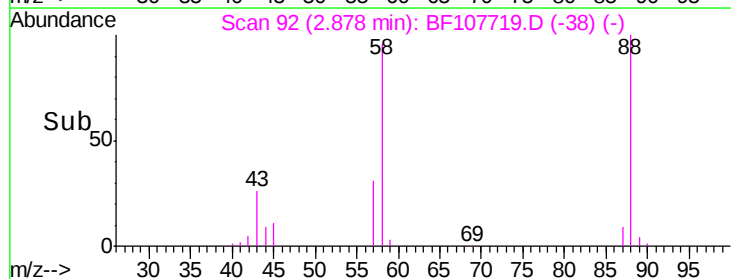
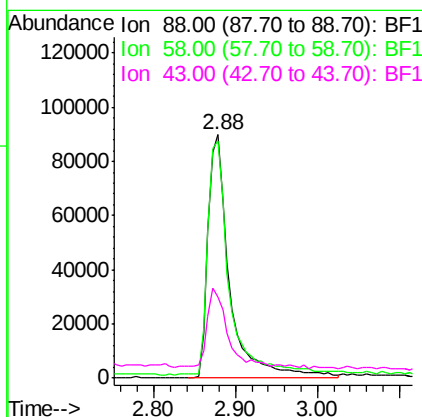
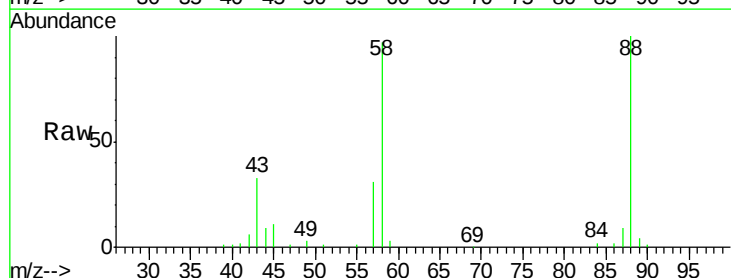
Instrument :
 BNA_F
 ClientSampleId :
 SP-4MSD

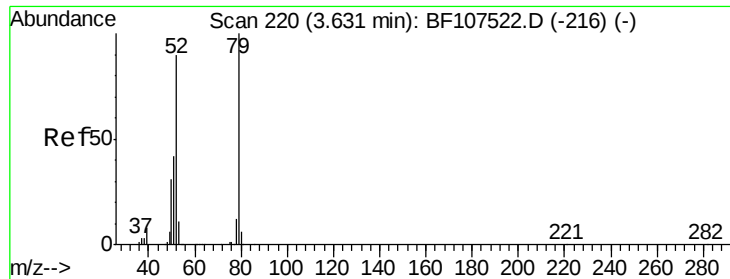
Tgt Ion:152 Resp: 192701
 Ion Ratio Lower Upper
 152 100
 150 162.0 124.6 186.8
 115 60.4 50.1 75.1



#2
 1,4-Dioxane
 Concen: 30.053 ng
 RT: 2.88 min Scan# 92
 Delta R.T. 0.02 min
 Lab File: BF107719.D
 Acq: 27 Jul 2018 00:04

Tgt Ion: 88 Resp: 167650
 Ion Ratio Lower Upper
 88 100
 58 95.4 62.6 93.8#
 43 28.6 24.6 37.0





#3

Pyridine

Concen: 26.453 ng

RT: 3.66 min Scan# 225

Delta R.T. 0.03 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

Instrument :

BNA_F

ClientSampleId :

SP-4MSD

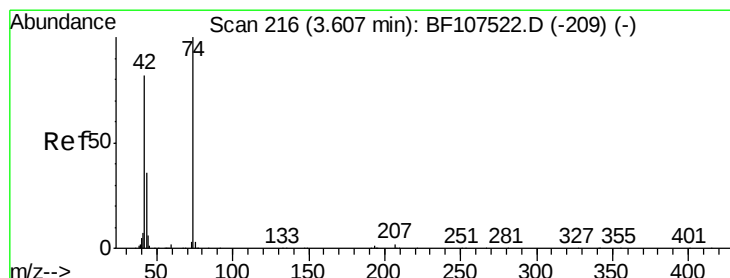
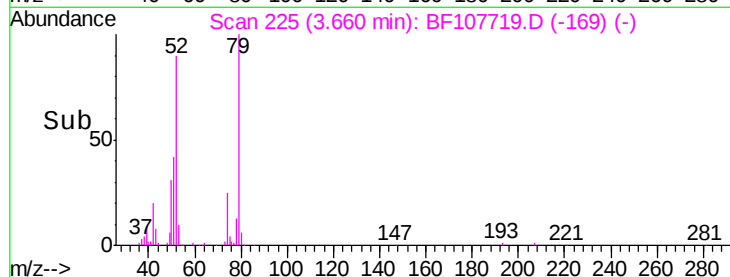
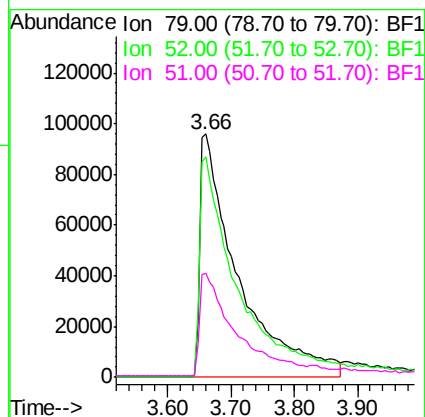
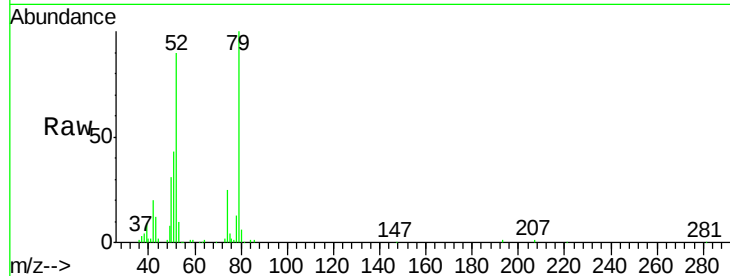
Tgt Ion: 79 Resp: 401456

Ion Ratio Lower Upper

79 100

52 90.3 59.8 89.6#

51 43.0 29.8 44.8



#4

n-Nitrosodimethylamine

Concen: 28.364 ng

RT: 3.63 min Scan# 219

Delta R.T. 0.02 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

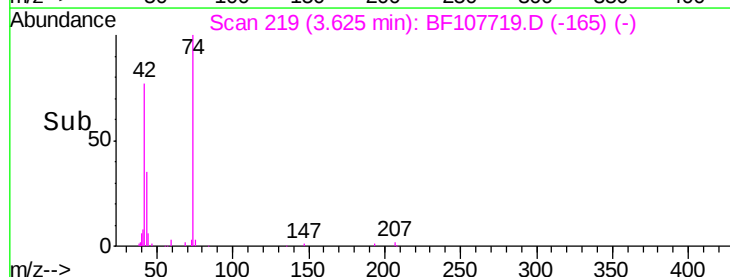
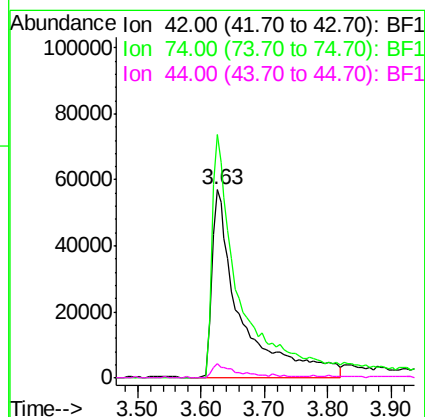
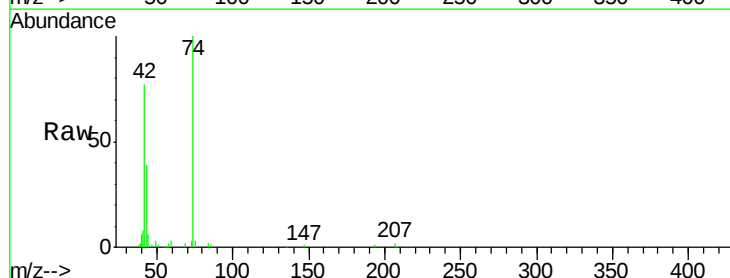
Tgt Ion: 42 Resp: 181551

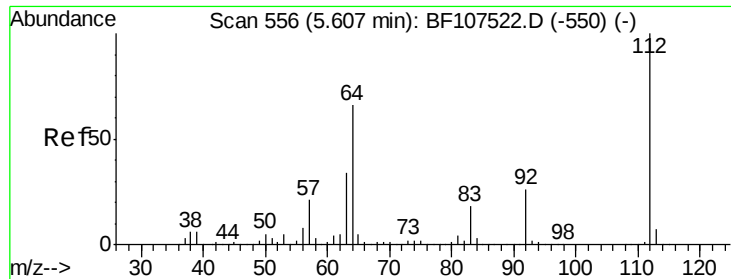
Ion Ratio Lower Upper

42 100

74 129.2 104.9 157.3

44 7.6 6.9 10.3





#5

2-Fluorophenol

Concen: 120.303 ng

RT: 5.61 min Scan# 556

Delta R.T. 0.00 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

Instrument :

BNA_F

ClientSampleId :

SP-4MSD

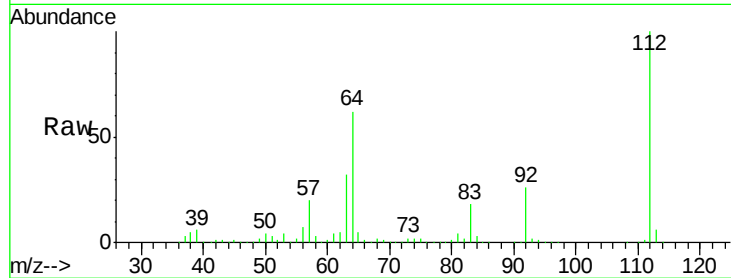
Tgt Ion:112 Resp: 1441875

Ion Ratio Lower Upper

112 100

64 62.0 47.9 71.9

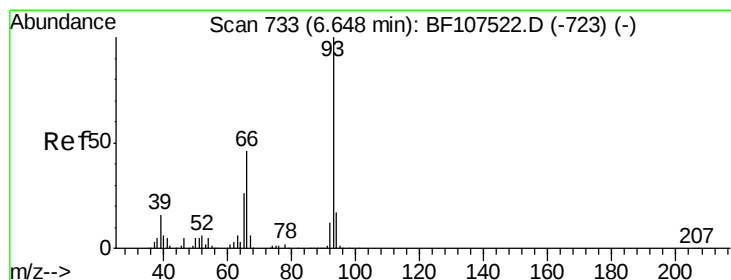
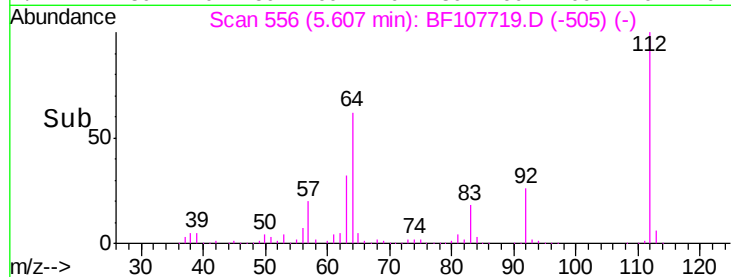
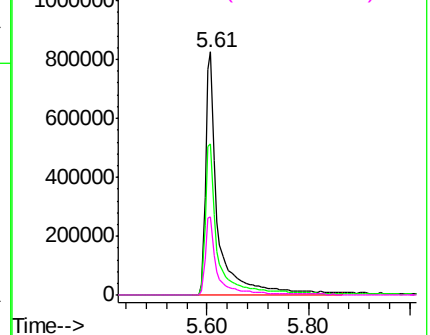
63 32.0 23.7 35.5



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: 24.792 ng

RT: 6.64 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

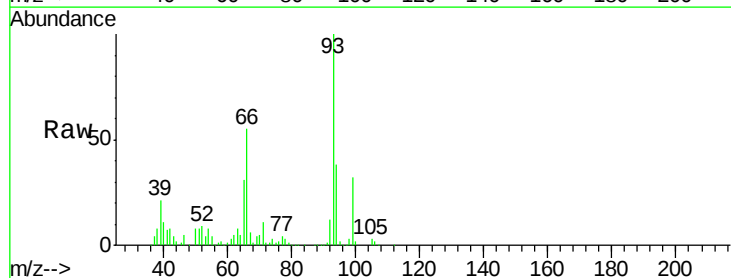
Tgt Ion: 93 Resp: 460166

Ion Ratio Lower Upper

93 100

66 55.0 32.2 48.2#

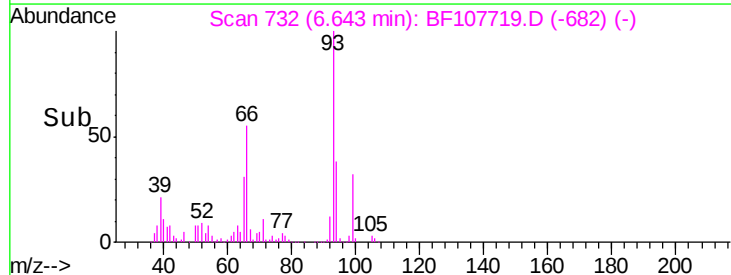
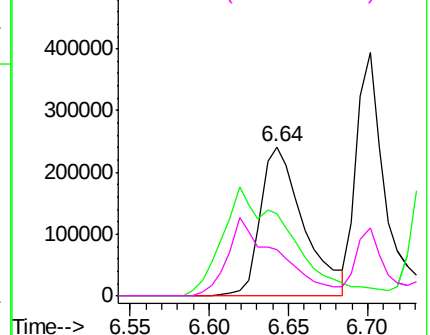
65 31.5 16.4 24.6#

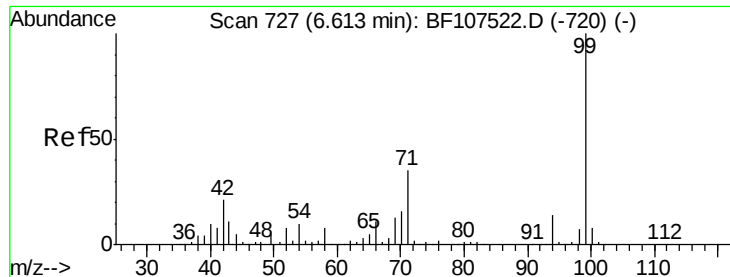


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 117.094 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF107719.D

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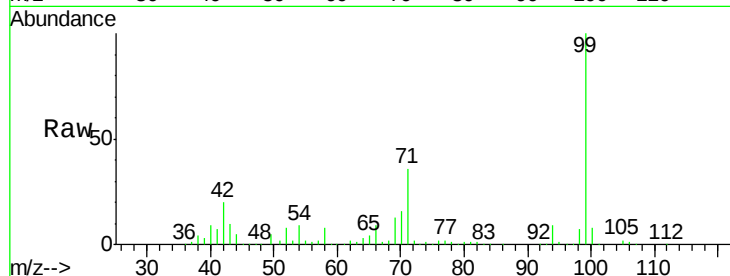
Tgt Ion: 99 Resp: 1685121

Ion Ratio Lower Upper

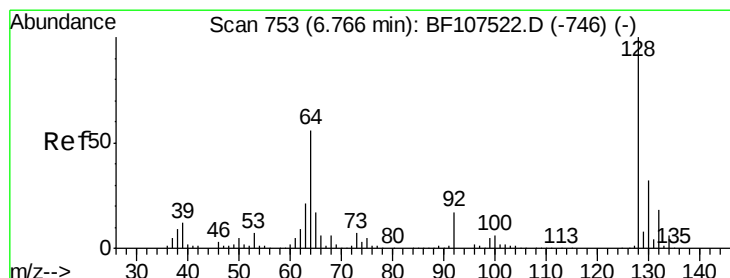
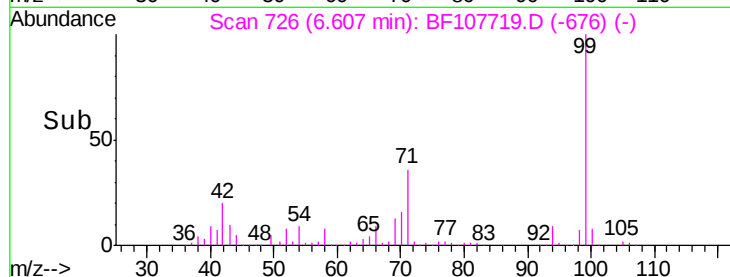
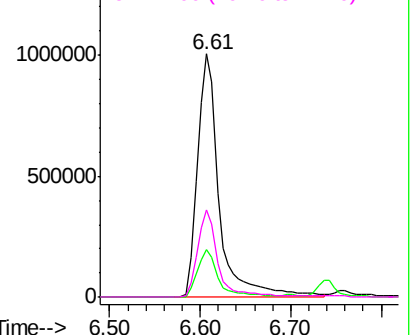
99 100

42 19.7 14.5 21.7

71 36.1 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: 42.013 ng

RT: 6.75 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

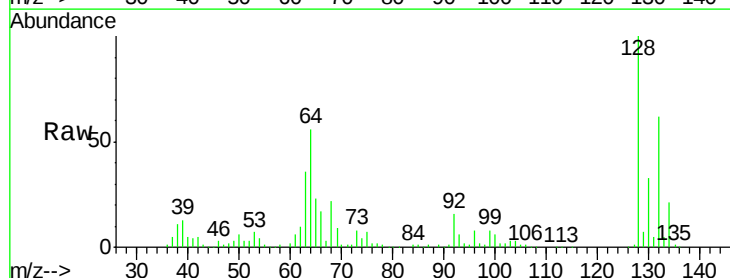
Tgt Ion: 128 Resp: 539478

Ion Ratio Lower Upper

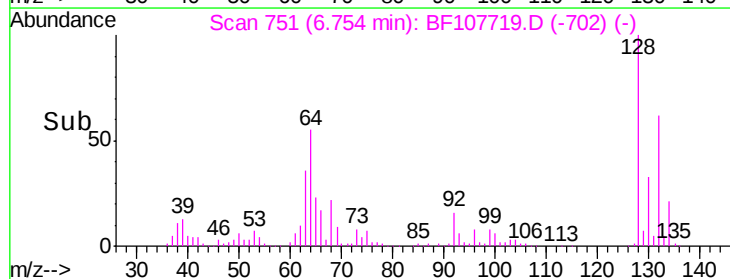
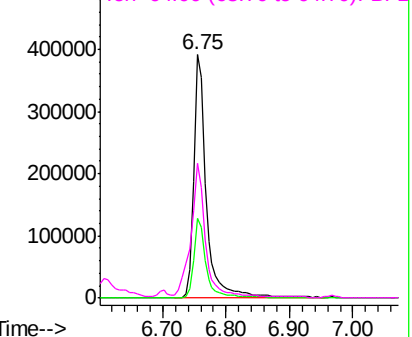
128 100

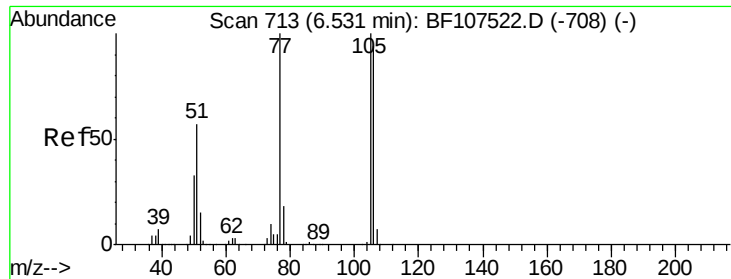
130 32.8 13.0 53.0

64 55.5 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: 38.717 ng

RT: 6.52 min Scan# 711

Delta R.T. -0.01 min

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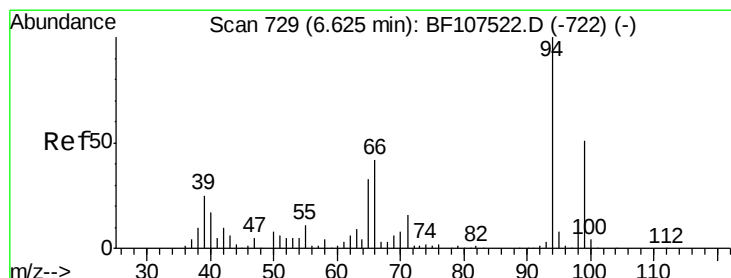
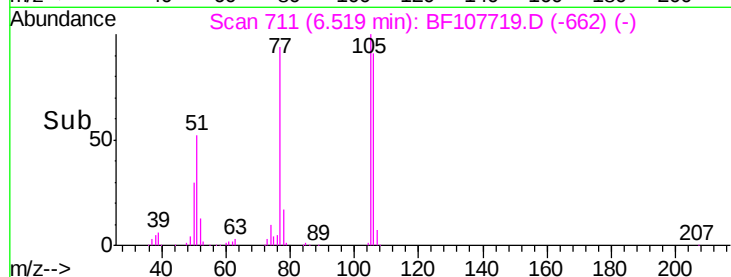
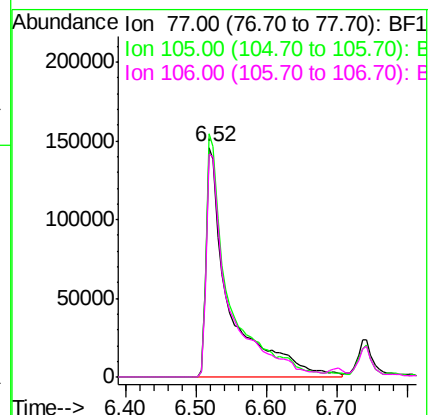
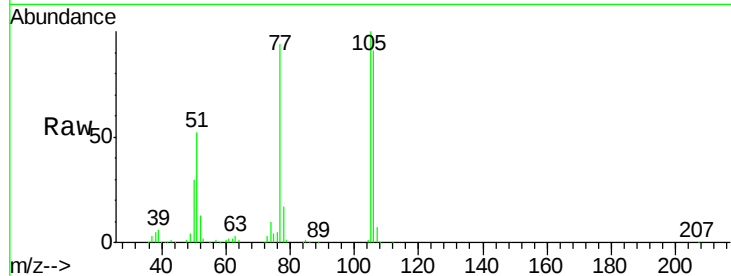
Tgt Ion: 77 Resp: 339216

Ion Ratio Lower Upper

77 100

105 106.0 81.1 121.1

106 96.9 74.5 114.5



#10

Phenol

Concen: 36.980 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

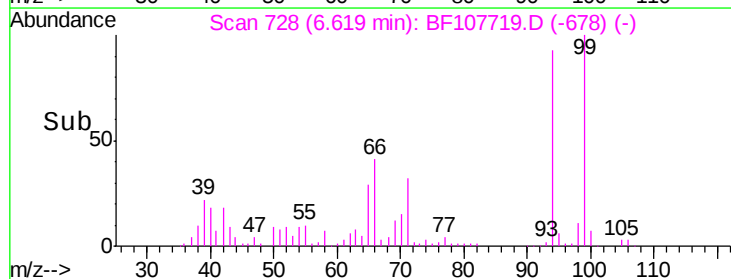
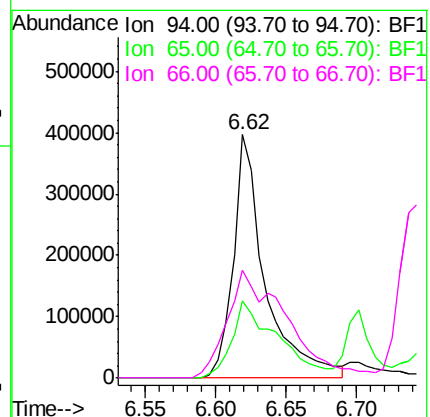
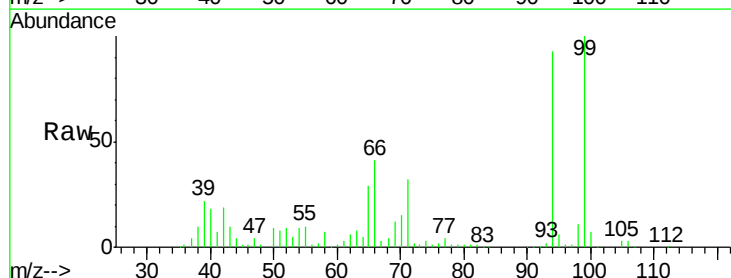
Tgt Ion: 94 Resp: 625882

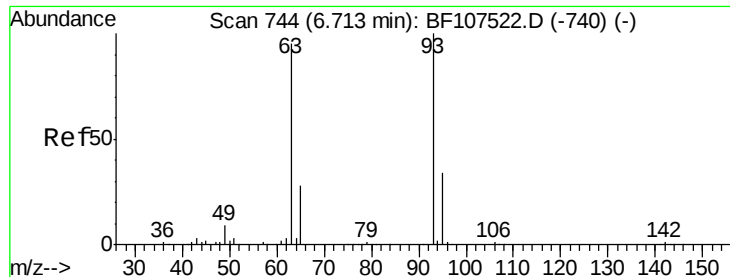
Ion Ratio Lower Upper

94 100

65 31.8 7.9 47.9

66 44.3 16.2 56.2

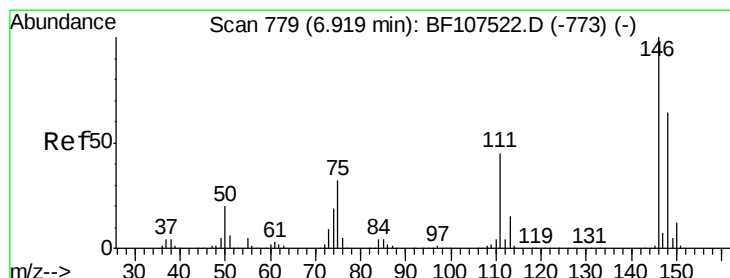
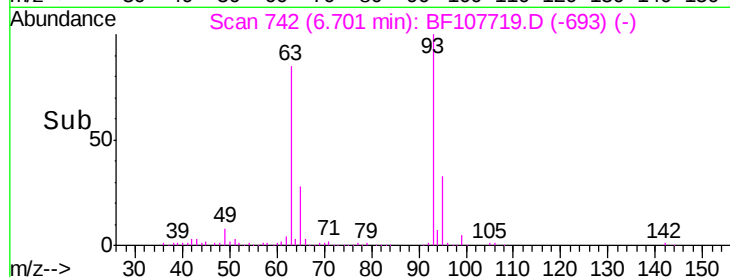
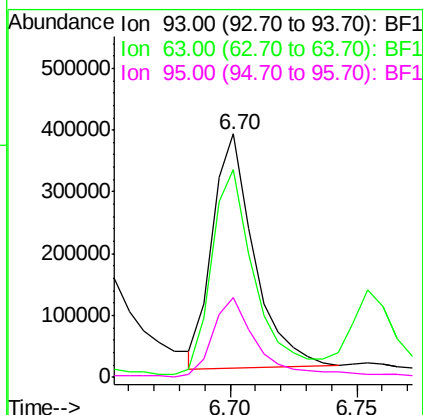
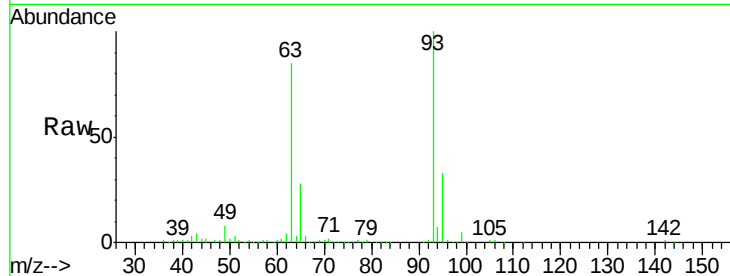




#11
bis(2-Chloroethyl)ether
Concen: 31.021 ng
RT: 6.70 min Scan# 742
Delta R.T. -0.01 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

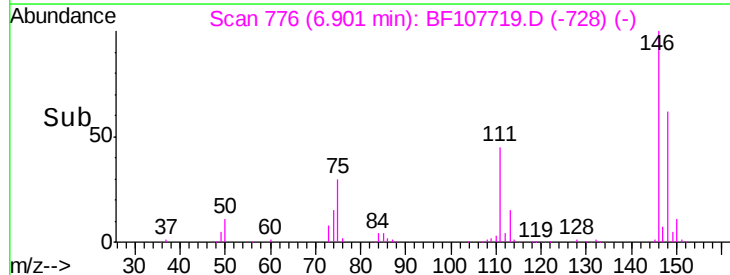
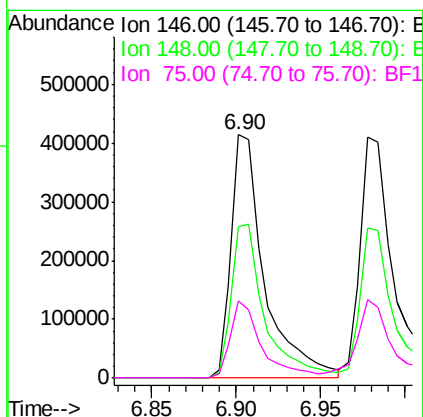
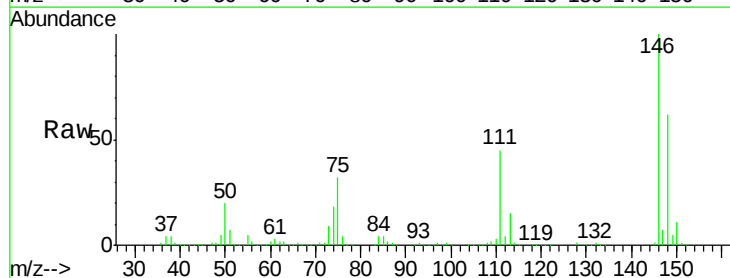
Instrument :
BNA_F
ClientSampleId :
SP-4MSD

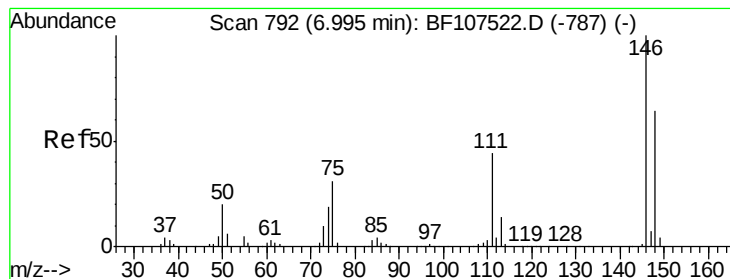
Tgt Ion:	93	Resp:	435291
Ion	Ratio	Lower	Upper
93	100		
63	85.5	58.6	98.6
95	32.8	11.8	51.8



#12
1,3-Dichlorobenzene
Concen: 39.236 ng
RT: 6.90 min Scan# 776
Delta R.T. -0.02 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

Tgt Ion:	146	Resp:	571224
Ion	Ratio	Lower	Upper
146	100		
148	62.0	51.8	77.8
75	31.6	24.2	36.4





#13

1,4-Dichlorobenzene

Concen: 42.305 ng

RT: 6.98 min Scan# 789

Delta R.T. -0.02 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

Instrument :

BNA_F

ClientSampled :

SP-4MSD

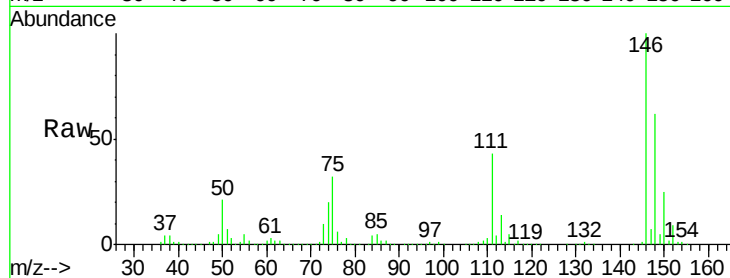
Tgt Ion:146 Resp: 631258

Ion Ratio Lower Upper

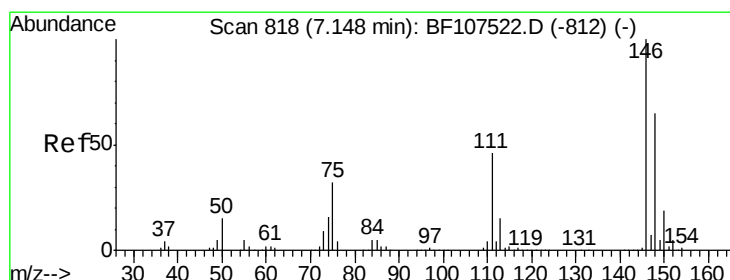
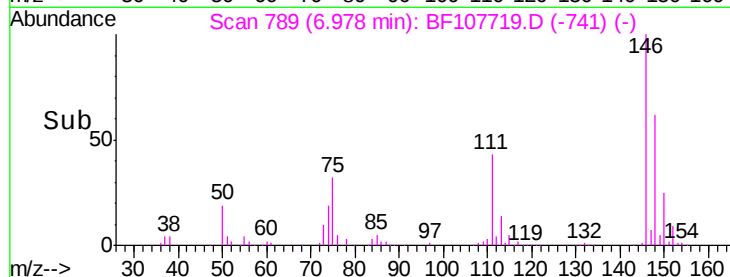
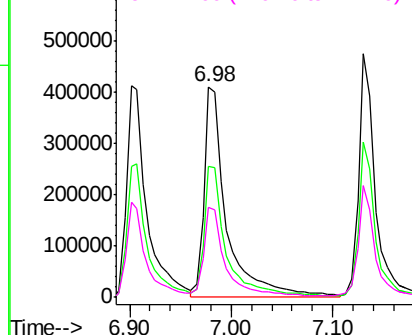
146 100

148 62.1 50.8 76.2

111 43.1 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: 40.391 ng

RT: 7.13 min Scan# 815

Delta R.T. -0.02 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

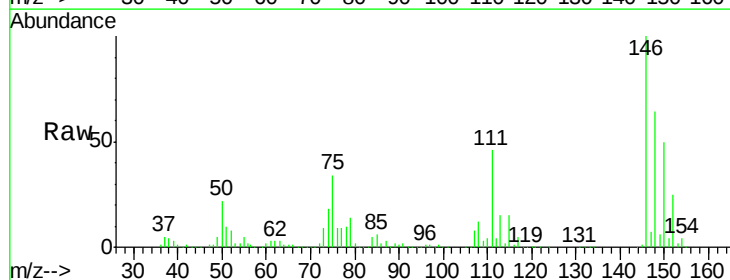
Tgt Ion:146 Resp: 540869

Ion Ratio Lower Upper

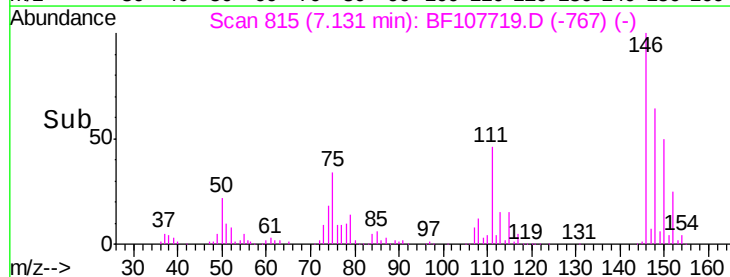
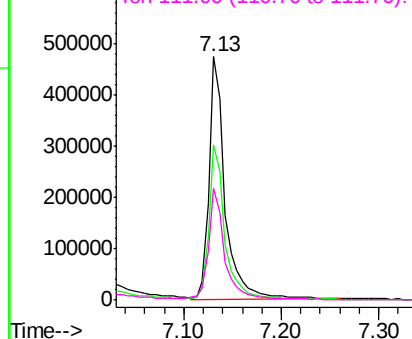
146 100

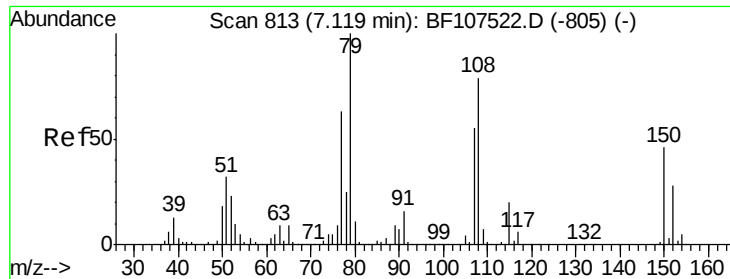
148 64.0 50.6 75.8

111 46.0 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

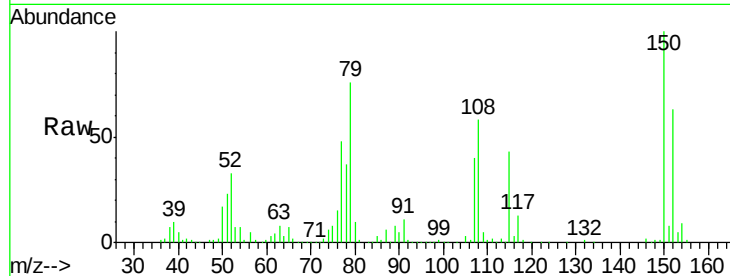




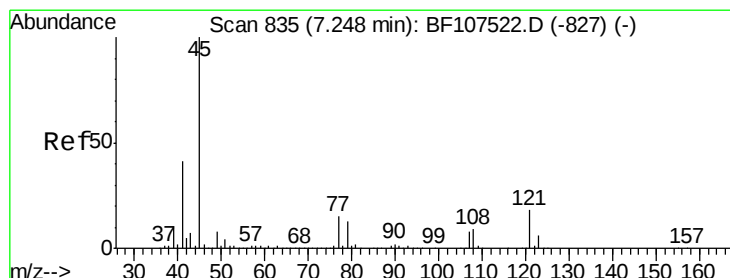
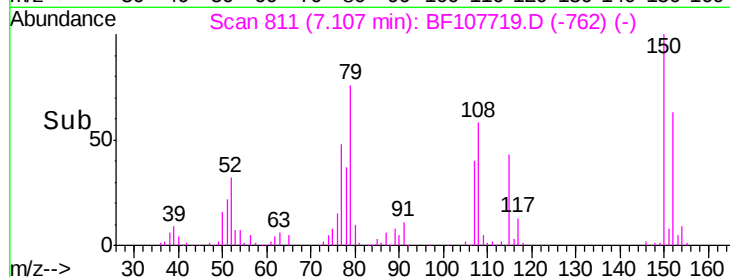
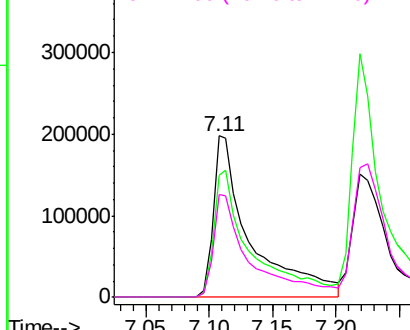
#15
Benzyl Alcohol
Concen: 41.509 ng
RT: 7.11 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

Instrument :
BNA_F
ClientSampleId :
SP-4MSD

Tgt Ion: 79 Resp: 407129
Ion Ratio Lower Upper
79 100
108 75.8 65.1 97.7
77 63.8 50.6 75.8

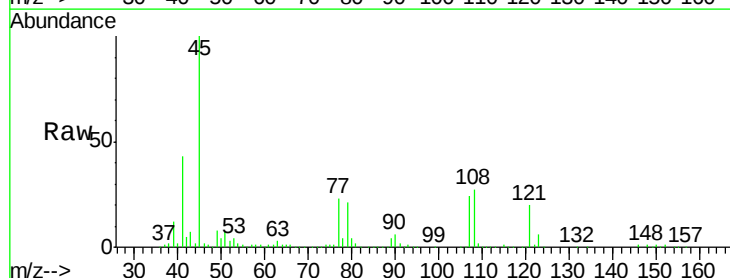


Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

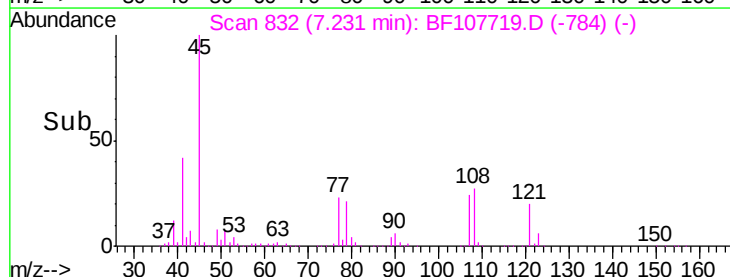
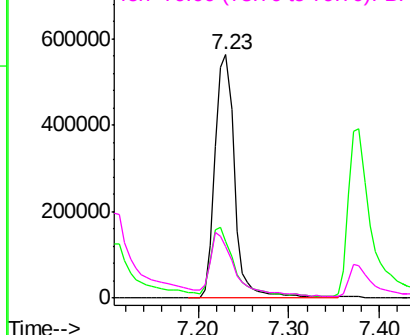


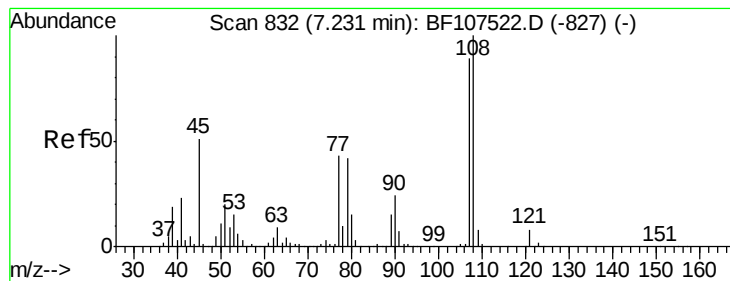
#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.920 ng
RT: 7.23 min Scan# 832
Delta R.T. -0.02 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

Tgt Ion: 45 Resp: 850324
Ion Ratio Lower Upper
45 100
77 23.4 0.0 32.9
79 21.0 0.0 29.6



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

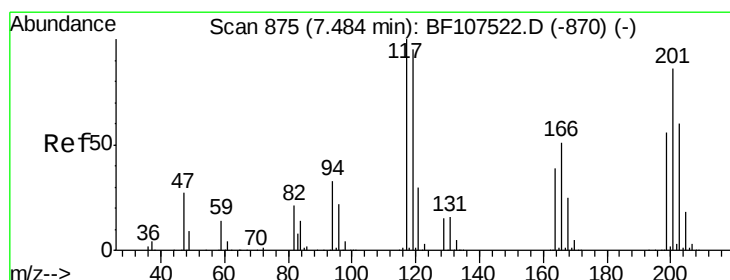
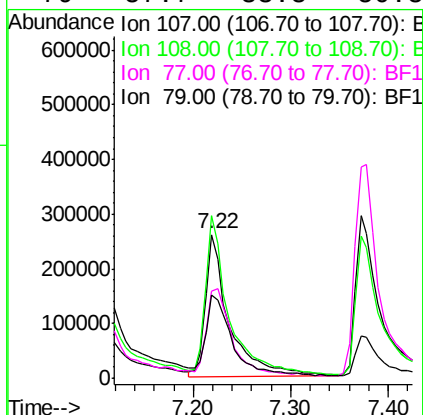
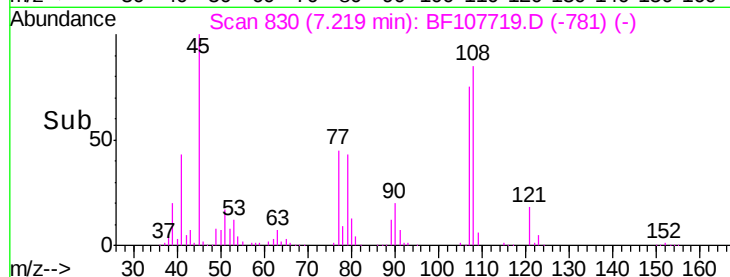
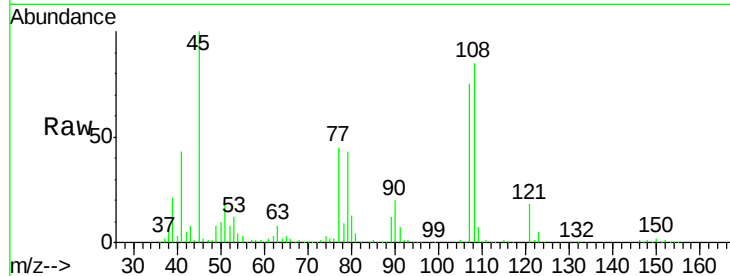




#17
2-Methylphenol
Concen: 40.245 ng
RT: 7.22 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

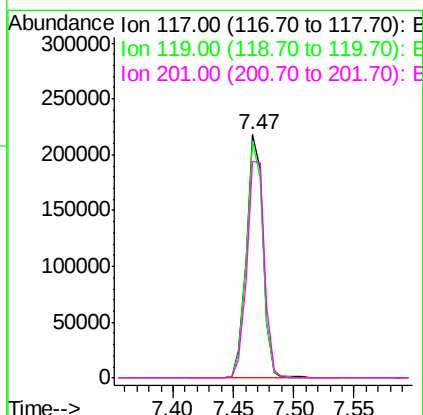
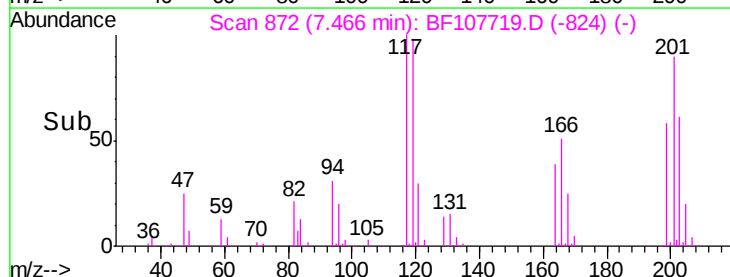
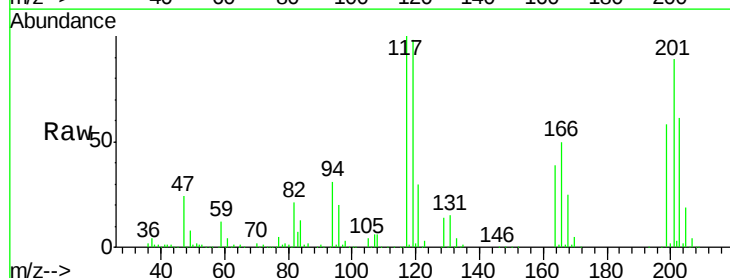
Instrument :
BNA_F
ClientSampleId :
SP-4MSD

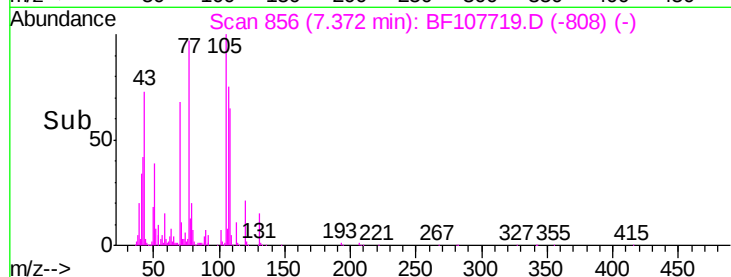
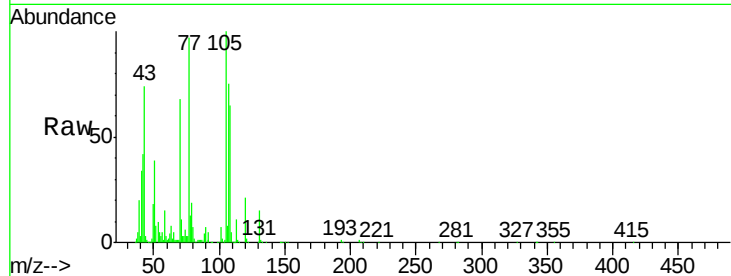
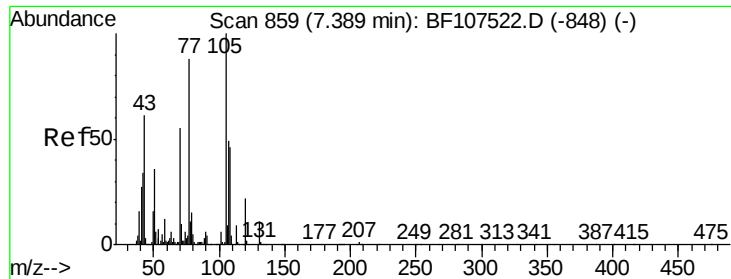
Tgt Ion:107 Resp: 439228
Ion Ratio Lower Upper
107 100
108 113.5 91.7 137.5
77 60.6 33.8 50.8#
79 57.7 33.8 50.8#



#18
Hexachloroethane
Concen: 40.342 ng
RT: 7.47 min Scan# 872
Delta R.T. -0.02 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

Tgt Ion:117 Resp: 211136
Ion Ratio Lower Upper
117 100
119 97.5 75.8 113.8
201 88.9 75.7 113.5

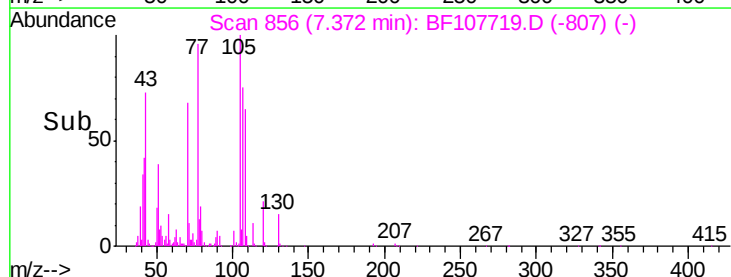
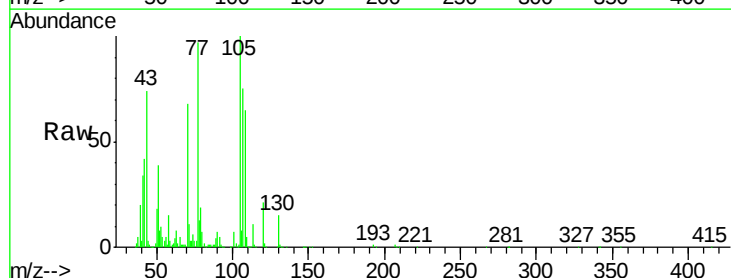
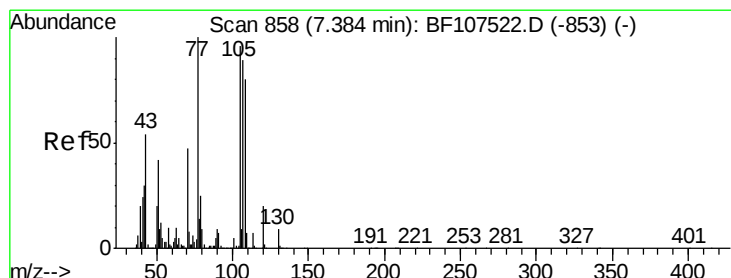
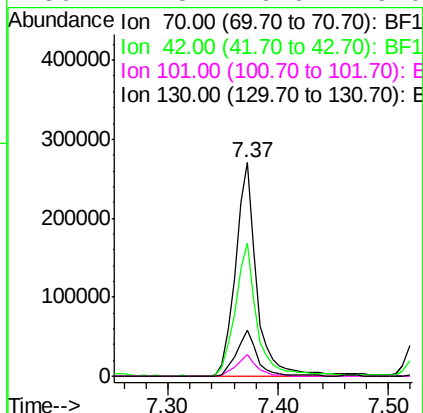




#19
n-Nitroso-di-n-propylamine
Concen: 39.135 ng
RT: 7.37 min Scan# 856
Delta R.T. -0.02 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

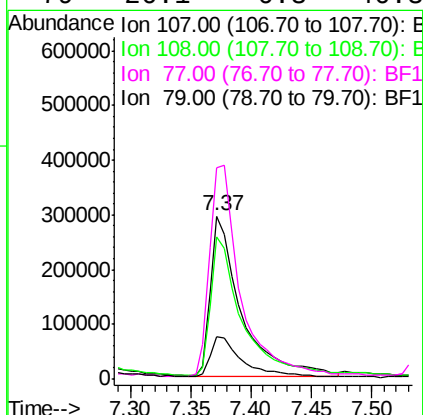
Instrument :
BNA_F
ClientSampleId :
SP-4MSD

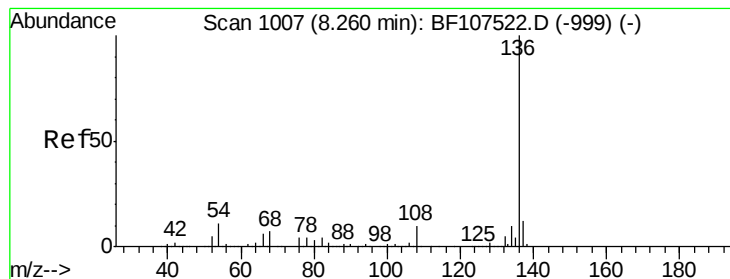
Tgt Ion:	70	Resp:	363839
Ion	Ratio	Lower	Upper
70	100		
42	62.1	47.5	71.3
101	10.2	7.4	11.2
130	21.8	16.6	25.0



#20
3+4-Methylphenols
Concen: 39.873 ng
RT: 7.37 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

Tgt Ion:	107	Resp:	516728
Ion	Ratio	Lower	Upper
107	100		
108	87.4	68.2	108.2
77	129.4	26.7	66.7#
79	26.1	6.3	46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

Instrument :

BNA_F

ClientSampleId :

SP-4MSD

Tgt Ion:136 Resp: 767267

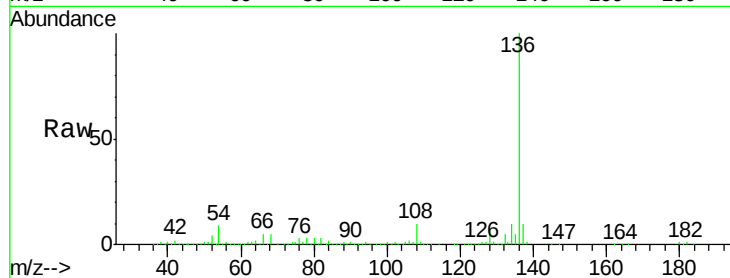
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 9.0 6.6 9.8

68 5.0 5.0 7.4

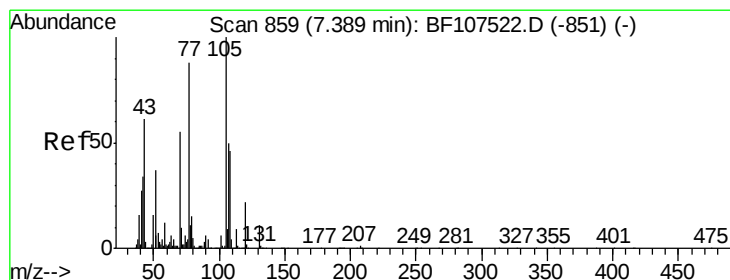
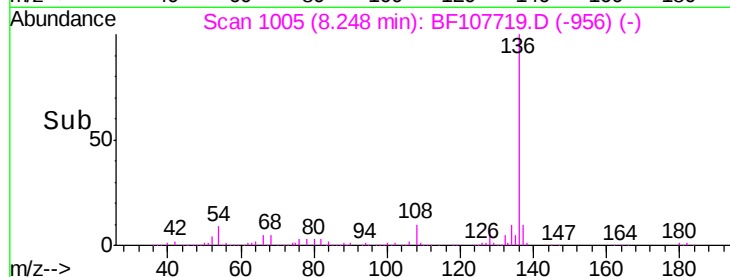
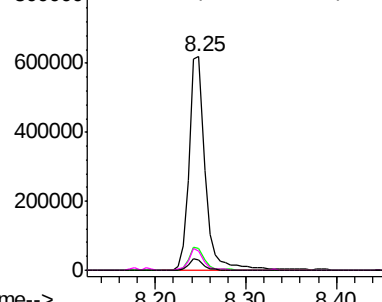


Abundance Ion 136.00 (135.70 to 136.70): E

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: 43.460 ng

RT: 7.38 min Scan# 857

Delta R.T. -0.01 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

Tgt Ion:105 Resp: 783125

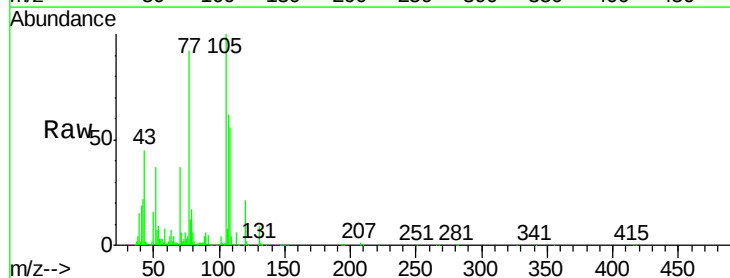
Ion Ratio Lower Upper

105 100

71 6.1 4.4 6.6

51 36.9 22.3 33.5#

120 21.0 16.9 25.3

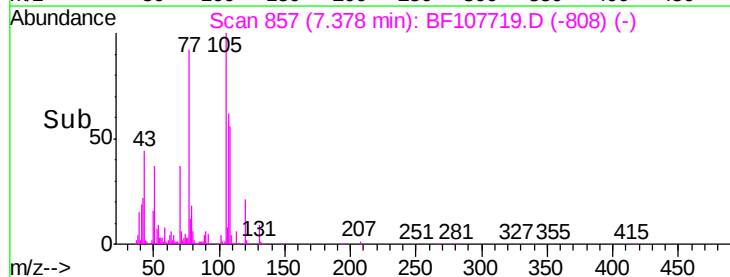
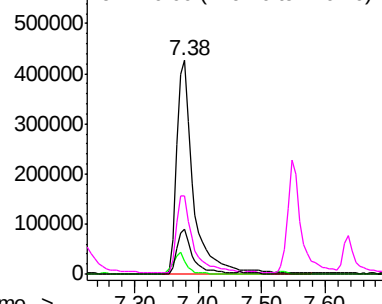


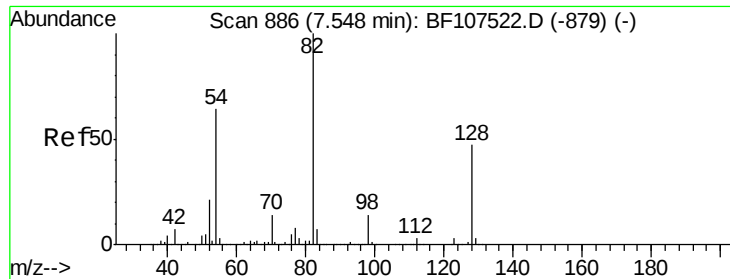
Abundance Ion 105.00 (104.70 to 105.70): E

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

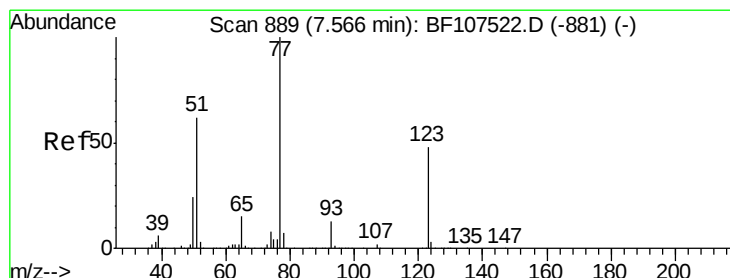
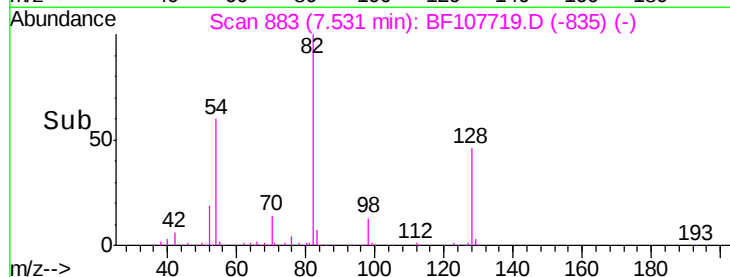
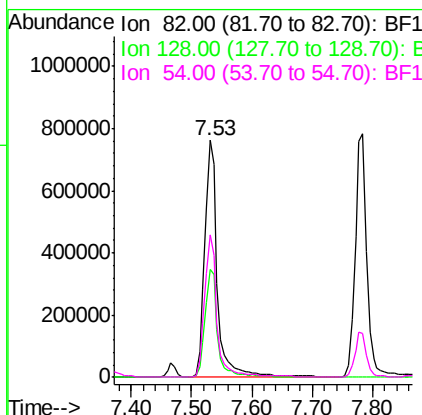
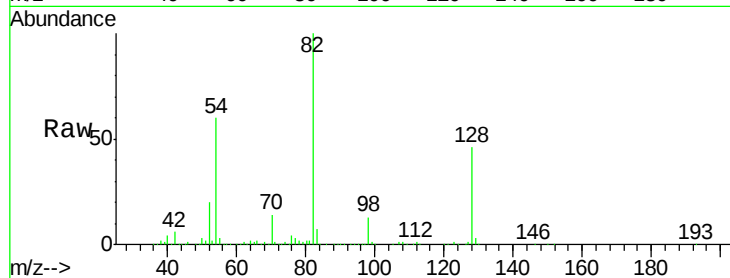




#23
 Nitrobenzene-d5
 Concen: 99.524 ng
 RT: 7.53 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: BF107719.D
 Acq: 27 Jul 2018 00:04

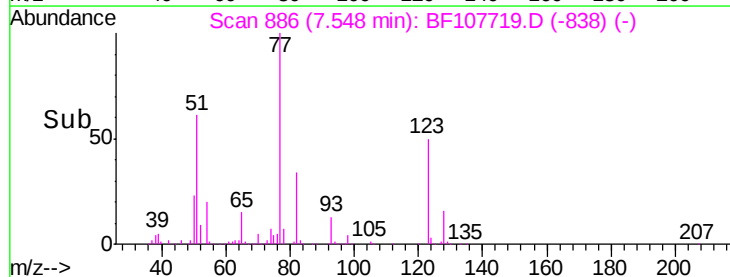
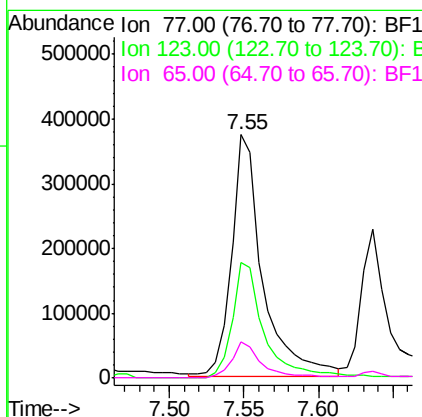
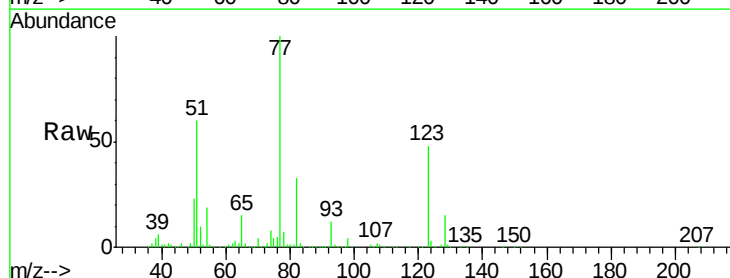
Instrument :
 BNA_F
 ClientSampleId :
 SP-4MSD

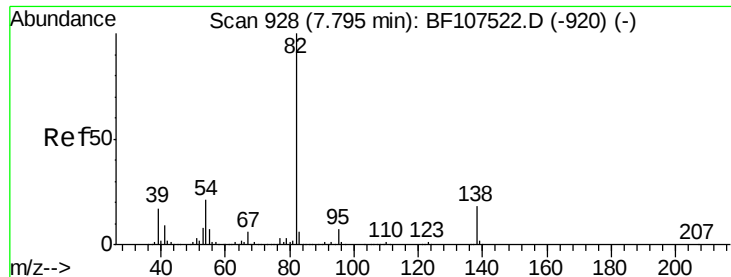
Tgt Ion: 82 Resp: 1131489
 Ion Ratio Lower Upper
 82 100
 128 45.5 36.1 54.1
 54 60.3 41.4 62.2



#24
 Nitrobenzene
 Concen: 41.920 ng
 RT: 7.55 min Scan# 886
 Delta R.T. -0.02 min
 Lab File: BF107719.D
 Acq: 27 Jul 2018 00:04

Tgt Ion: 77 Resp: 545875
 Ion Ratio Lower Upper
 77 100
 123 47.7 37.9 56.9
 65 14.9 11.0 16.4





#25

Isophorone

Concen: 43.841 ng

RT: 7.78 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

Instrument :

BNA_F

ClientSampleId :

SP-4MSD

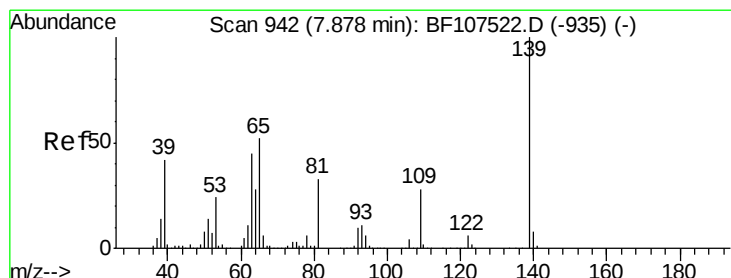
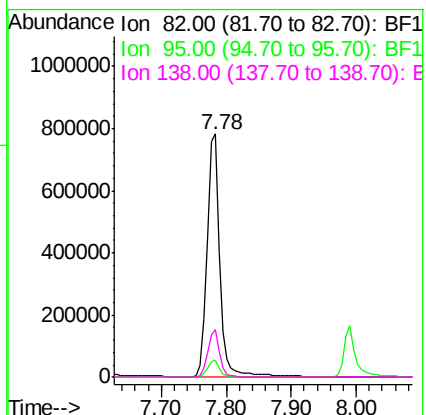
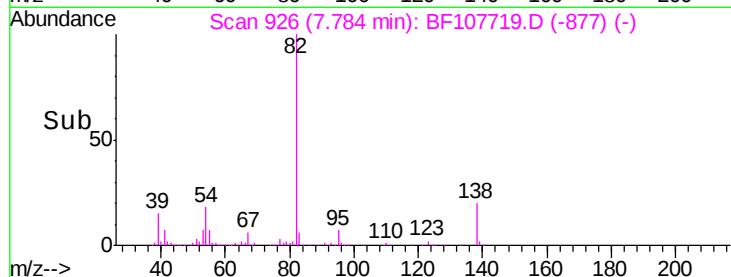
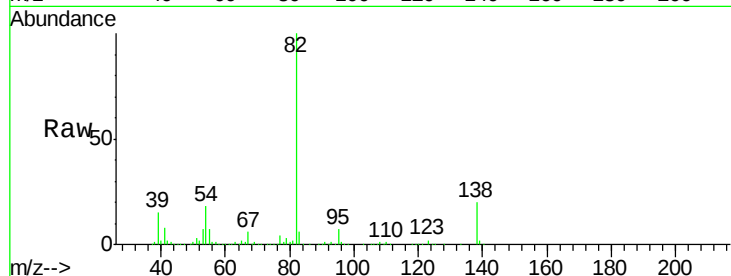
Tgt Ion: 82 Resp: 1064220

Ion Ratio Lower Upper

82 100

95 7.1 5.2 7.8

138 19.5 14.9 22.3



#26

2-Nitrophenol

Concen: 55.287 ng

RT: 7.87 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

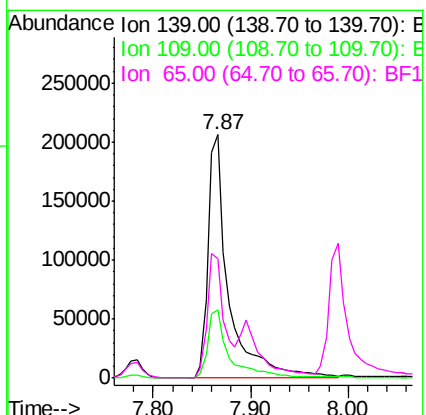
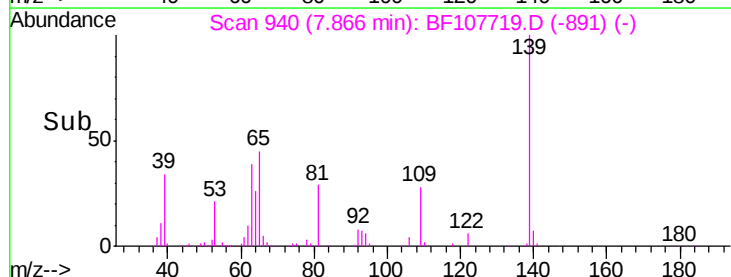
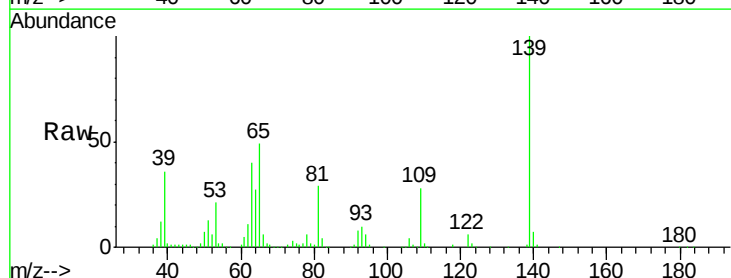
Tgt Ion: 139 Resp: 304020

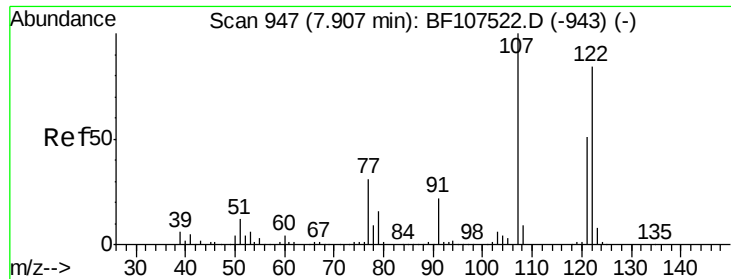
Ion Ratio Lower Upper

139 100

109 27.8 22.7 34.1

65 49.0 40.5 60.7

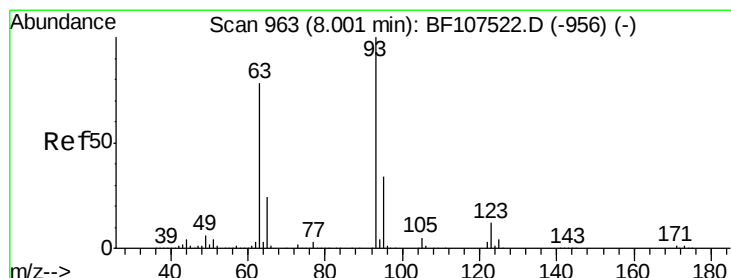
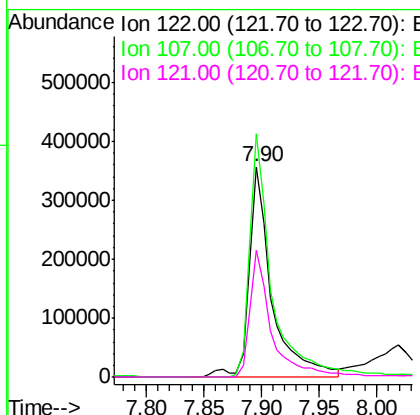
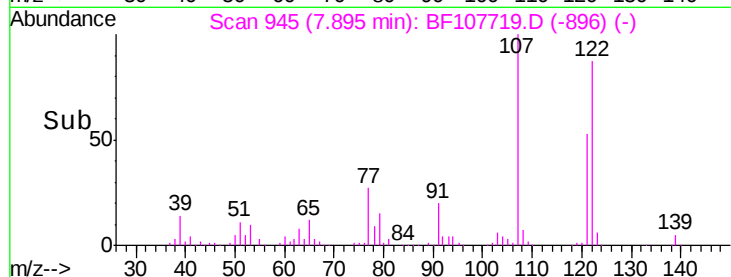
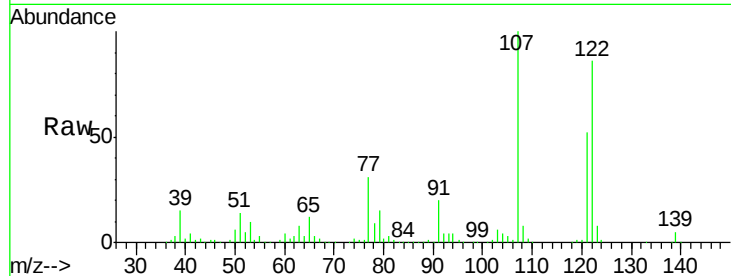




#27
 2,4-Dimethylphenol
 Concen: 47.110 ng
 RT: 7.90 min Scan# 945
 Delta R.T. -0.01 min
 Lab File: BF107719.D
 Acq: 27 Jul 2018 00:04

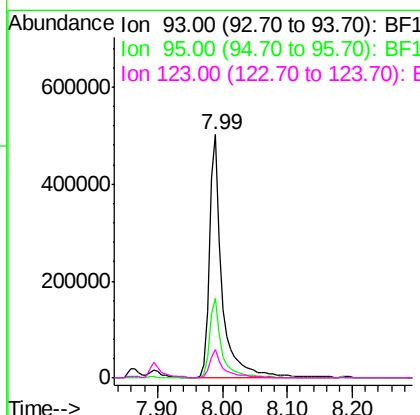
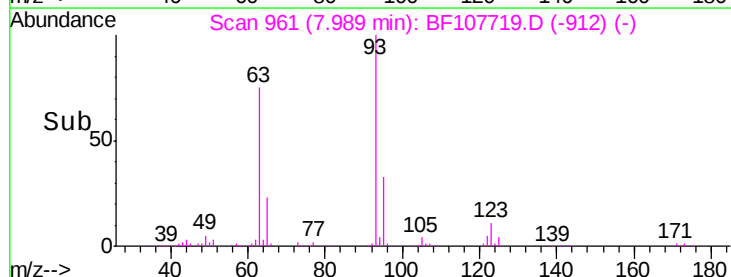
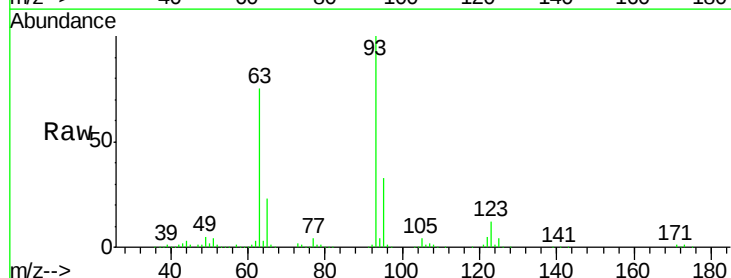
Instrument :
 BNA_F
 ClientSampleId :
 SP-4MSD

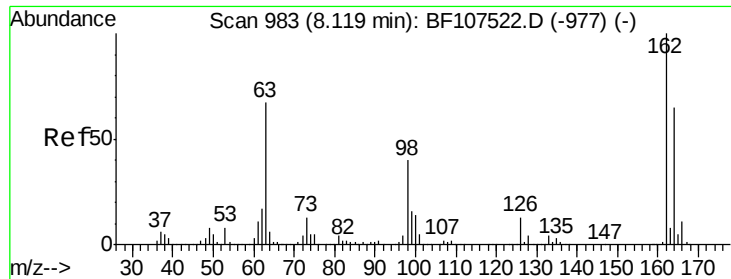
Tgt Ion:122 Resp: 490362
 Ion Ratio Lower Upper
 122 100
 107 115.7 91.2 136.8
 121 60.6 47.2 70.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 40.806 ng
 RT: 7.99 min Scan# 961
 Delta R.T. -0.01 min
 Lab File: BF107719.D
 Acq: 27 Jul 2018 00:04

Tgt Ion: 93 Resp: 661976
 Ion Ratio Lower Upper
 93 100
 95 33.0 26.3 39.5
 123 11.8 9.8 14.6

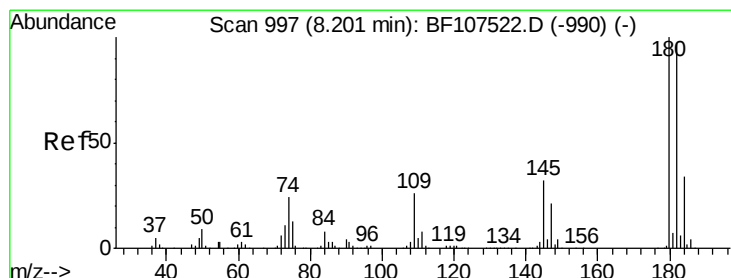
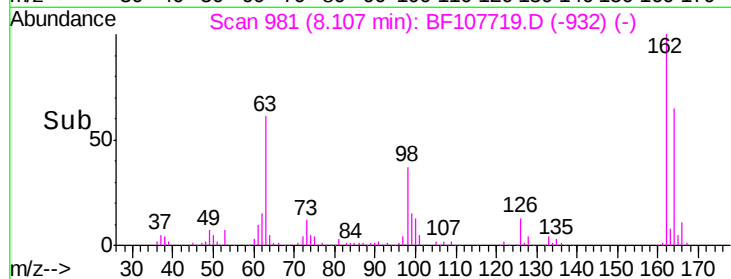
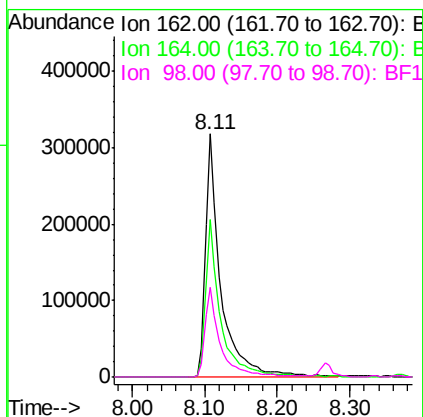
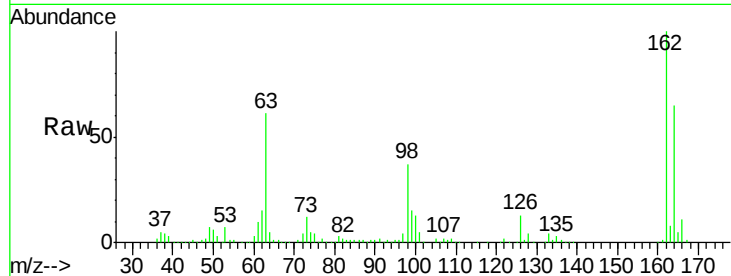




#29
2,4-Dichlorophenol
Concen: 44.637 ng
RT: 8.11 min Scan# 981
Delta R.T. -0.01 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

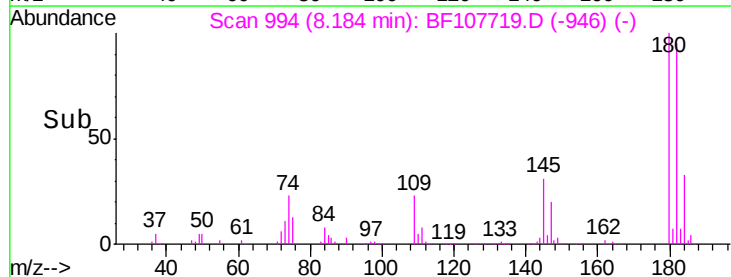
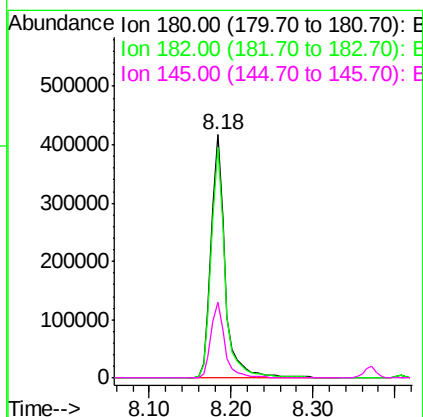
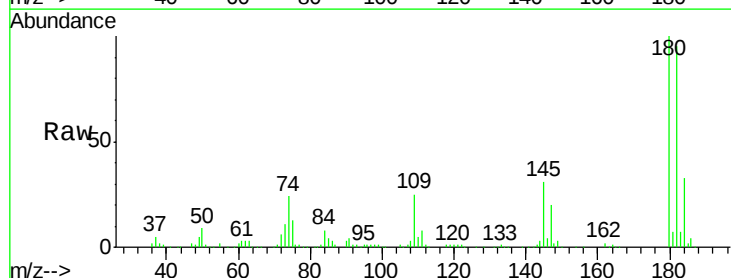
Instrument :
BNA_F
ClientSampleId :
SP-4MSD

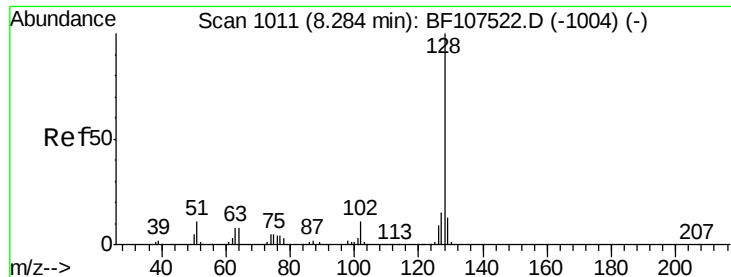
Tgt Ion:162 Resp: 474894
Ion Ratio Lower Upper
162 100
164 65.1 42.7 82.7
98 37.1 18.1 58.1



#30
1,2,4-Trichlorobenzene
Concen: 41.759 ng
RT: 8.18 min Scan# 994
Delta R.T. -0.02 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

Tgt Ion:180 Resp: 498992
Ion Ratio Lower Upper
180 100
182 94.7 76.8 115.2
145 31.2 26.5 39.7





#31

Naphthalene

Concen: 47.411 ng

RT: 8.27 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

Instrument :

BNA_F

ClientSampleId :

SP-4MSD

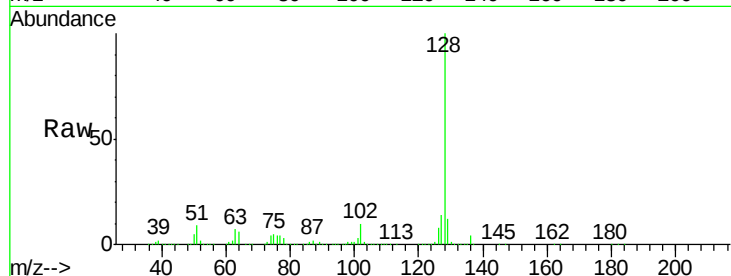
Tgt Ion:128 Resp: 1599645

Ion Ratio Lower Upper

128 100

129 11.5 8.8 13.2

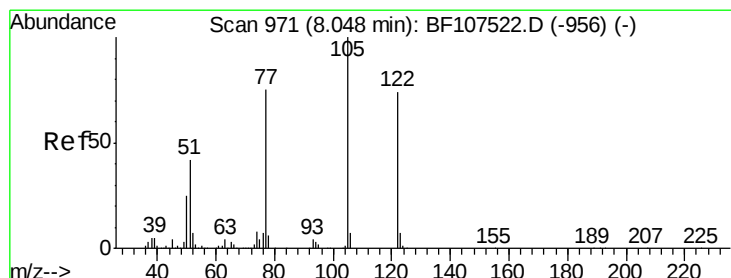
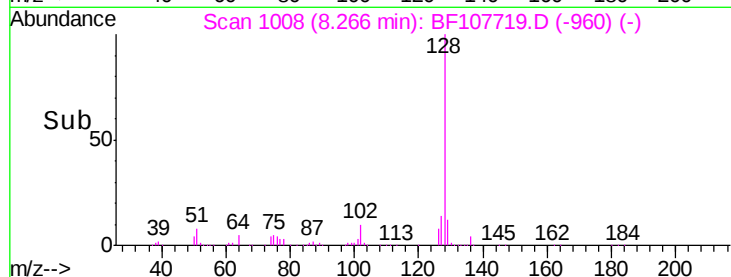
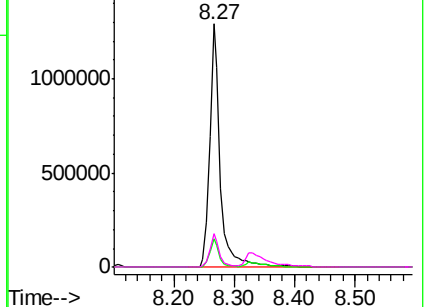
127 13.7 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 24.444 ng

RT: 8.02 min Scan# 966

Delta R.T. -0.03 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

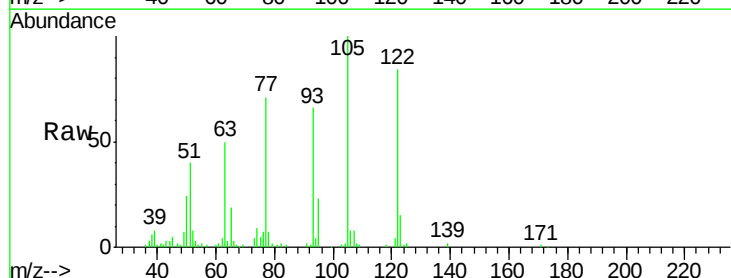
Tgt Ion:122 Resp: 143902

Ion Ratio Lower Upper

122 100

105 118.4 101.1 141.1

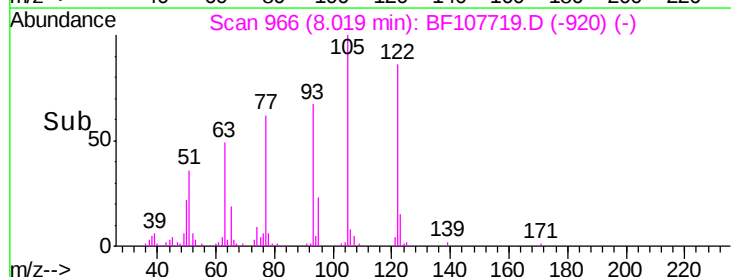
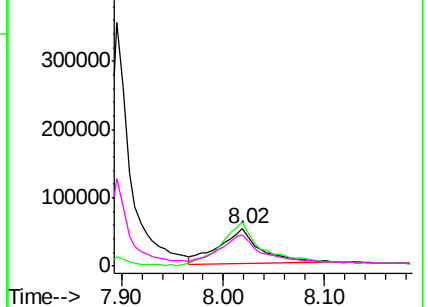
77 84.3 70.7 110.7

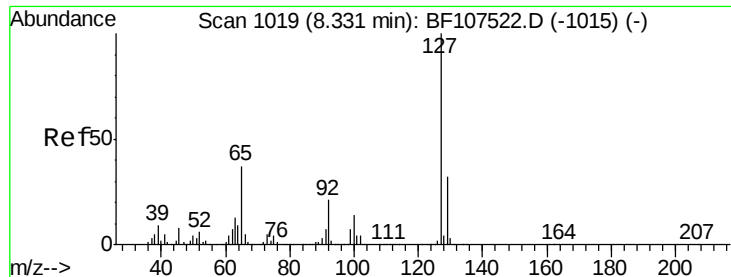


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

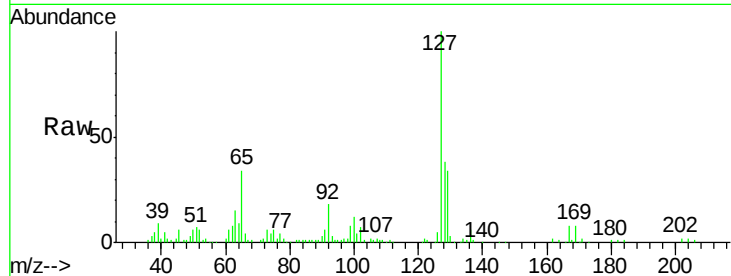




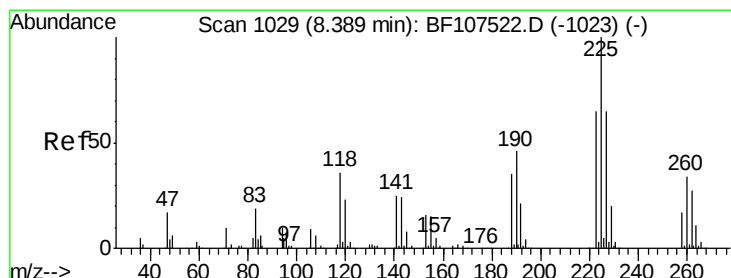
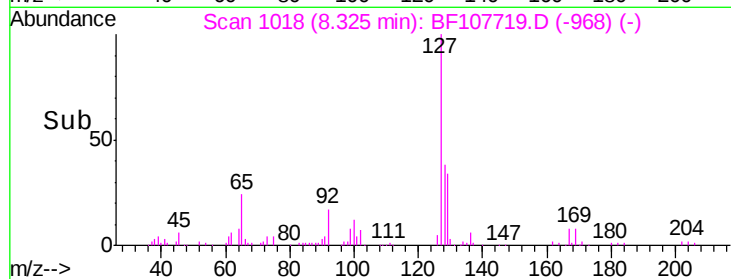
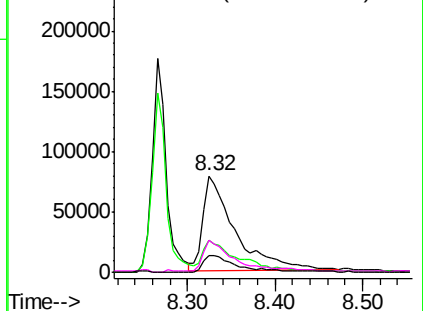
#33
4-Chloroaniline
Concen: 13.666 ng
RT: 8.32 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

Instrument :
BNA_F
ClientSampleId :
SP-4MSD

Tgt Ion:	127	Resp:	201526
Ion	Ratio	Lower	Upper
127	100		
129	33.5	25.9	38.9
65	33.7	25.0	37.4
92	17.6	15.2	22.8

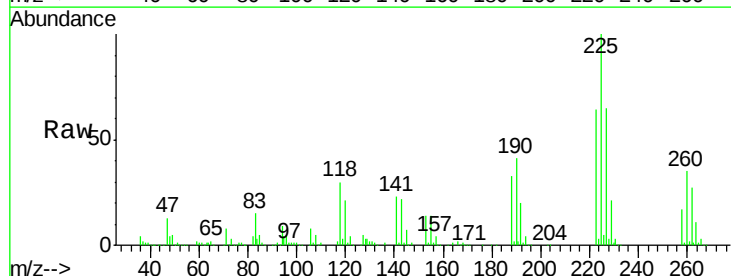


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

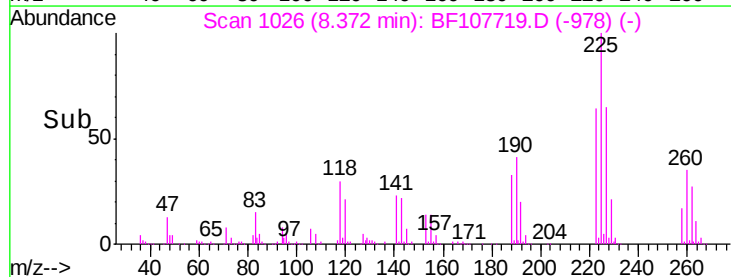
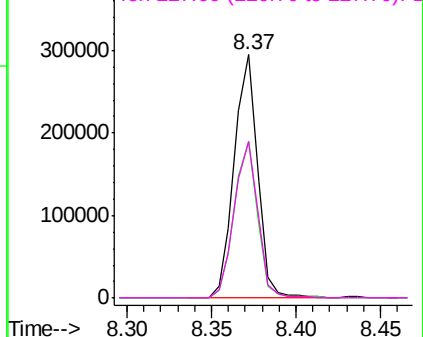


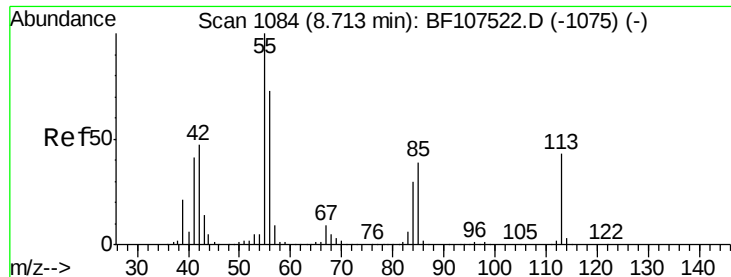
#34
Hexachlorobutadiene
Concen: 40.221 ng
RT: 8.37 min Scan# 1026
Delta R.T. -0.02 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

Tgt Ion:	225	Resp:	285582
Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.6	76.0
227	64.6	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

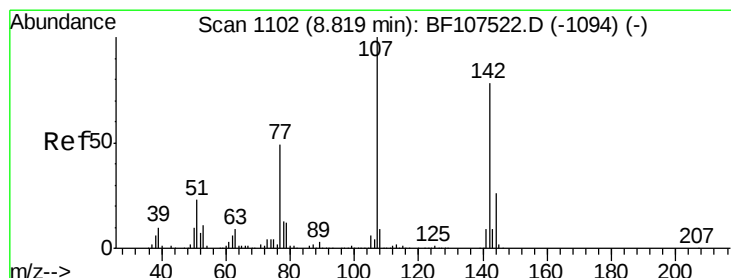
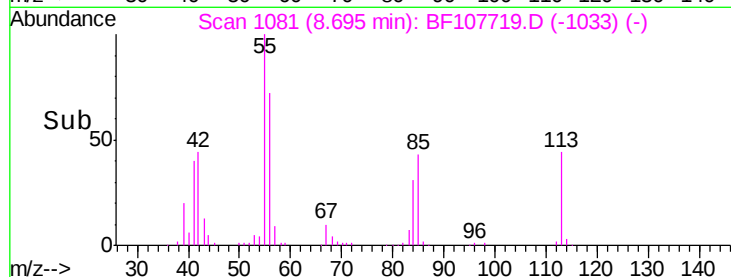
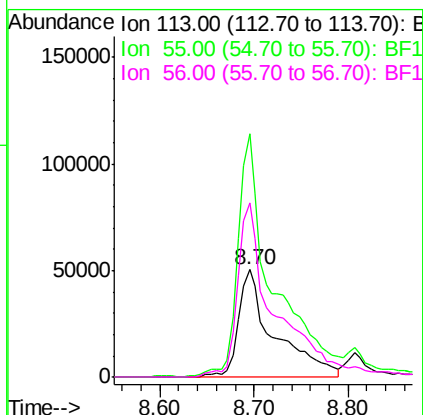
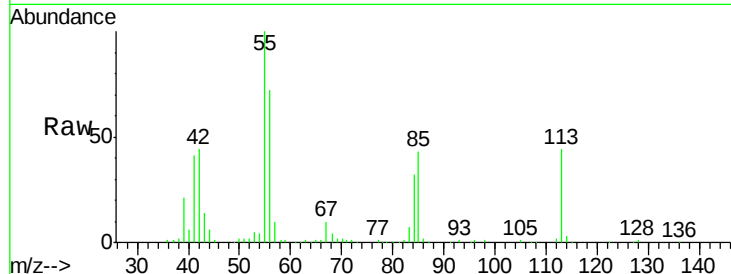




#35
 Caprolactam
 Concen: 38.793 ng
 RT: 8.70 min Scan# 1081
 Delta R.T. -0.02 min
 Lab File: BF107719.D
 Acq: 27 Jul 2018 00:04

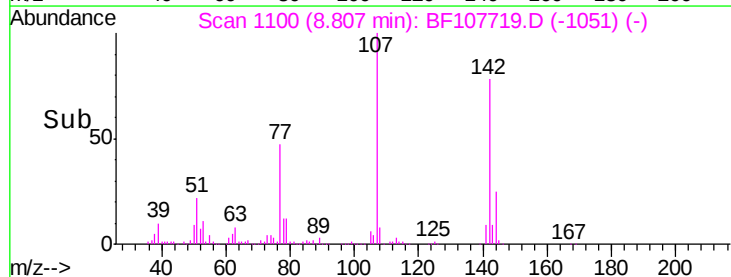
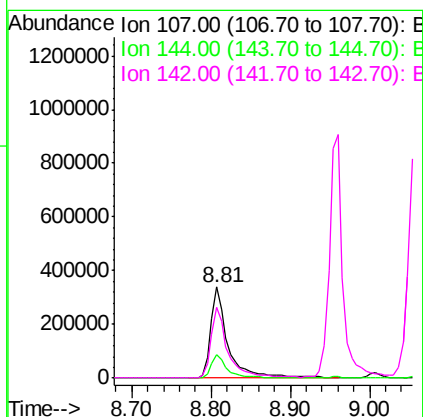
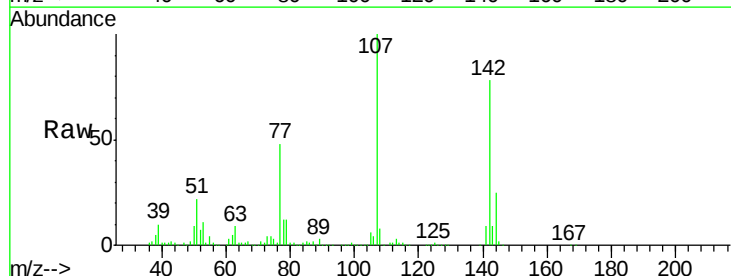
Instrument :
 BNA_F
 ClientSampleId :
 SP-4MSD

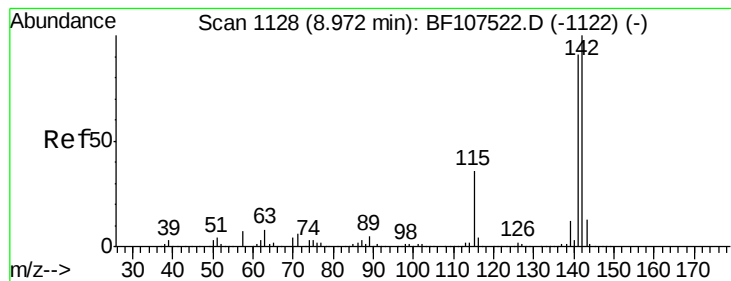
Tgt Ion:113 Resp: 134242
 Ion Ratio Lower Upper
 113 100
 55 226.1 163.3 203.3#
 56 162.6 115.7 155.7#



#36
 4-Chloro-3-methylphenol
 Concen: 43.344 ng
 RT: 8.81 min Scan# 1100
 Delta R.T. -0.01 min
 Lab File: BF107719.D
 Acq: 27 Jul 2018 00:04

Tgt Ion:107 Resp: 512241
 Ion Ratio Lower Upper
 107 100
 144 25.4 20.5 30.7
 142 78.3 62.0 93.0

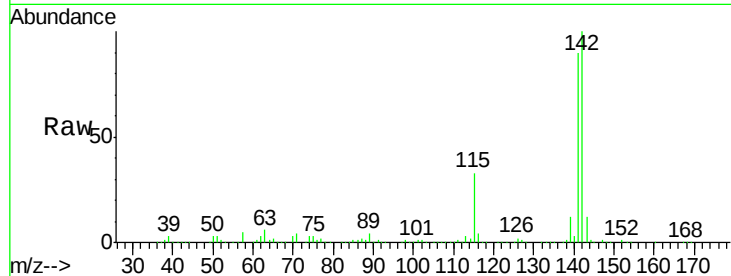




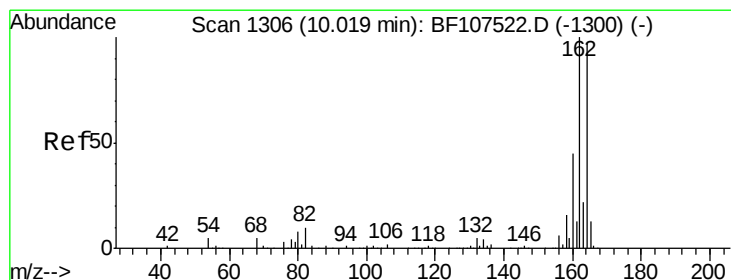
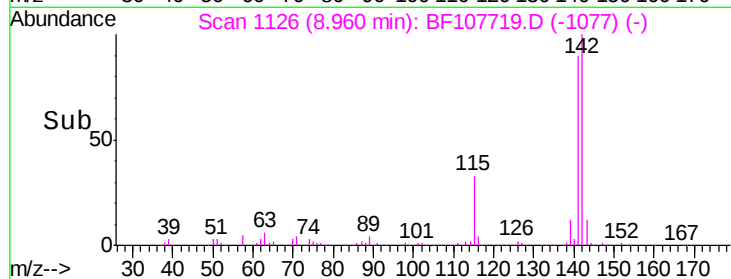
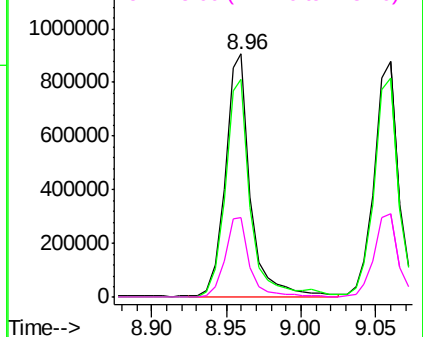
#37
2-Methylnaphthalene
Concen: 46.252 ng
RT: 8.96 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

Instrument :
BNA_F
ClientSampleId :
SP-4MSD

Tgt Ion:142 Resp: 1081401
Ion Ratio Lower Upper
142 100
141 89.7 70.8 106.2
115 33.0 26.1 39.1

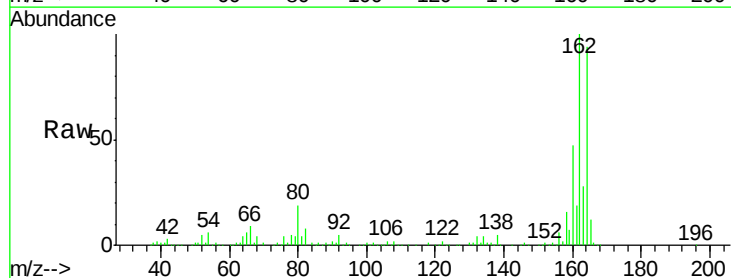


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

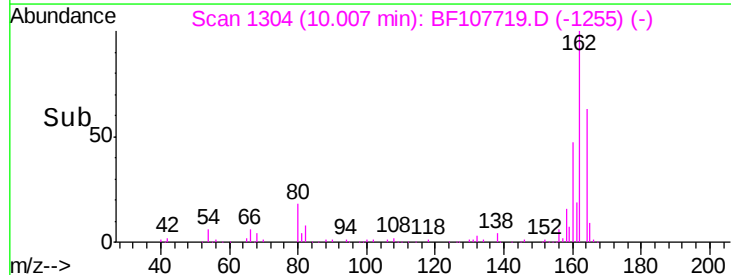
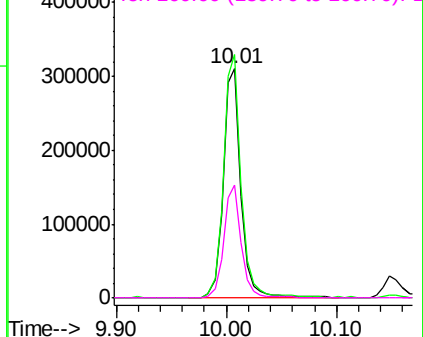


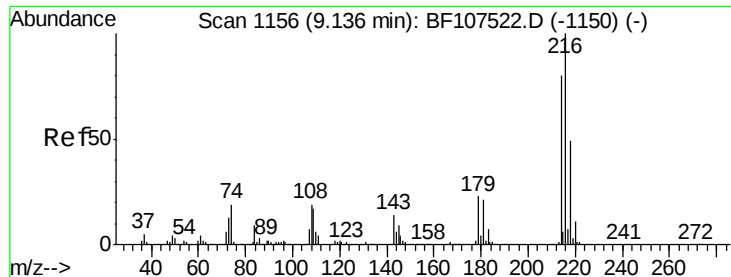
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

Tgt Ion:164 Resp: 348418
Ion Ratio Lower Upper
164 100
162 106.2 86.1 129.1
160 49.5 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

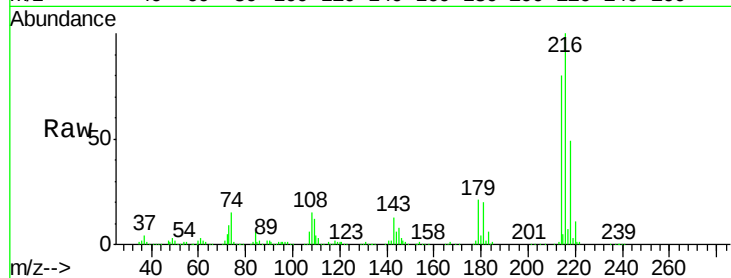




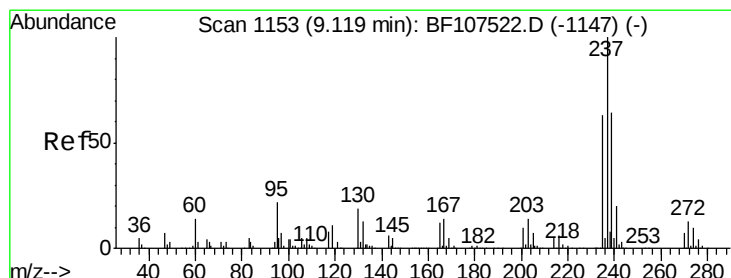
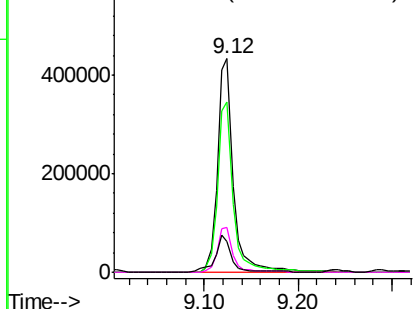
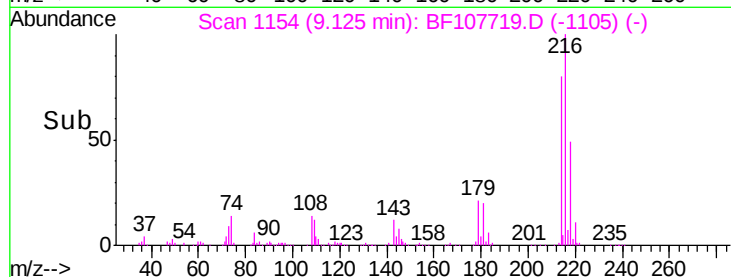
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 44.235 ng
 RT: 9.12 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: BF107719.D
 Acq: 27 Jul 2018 00:04

Instrument :
 BNA_F
 ClientSampleId :
 SP-4MSD

Tgt Ion:	216	Resp:	514059
Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.0	94.4
179	21.0	18.1	27.1
108	17.7	17.2	25.8

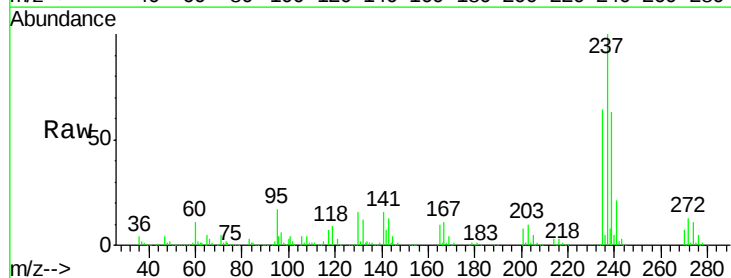


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

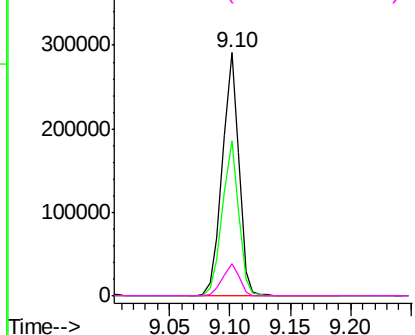
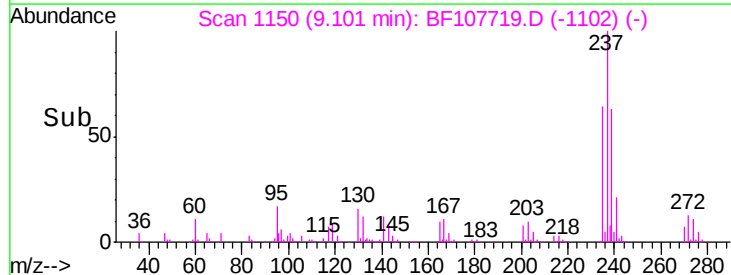


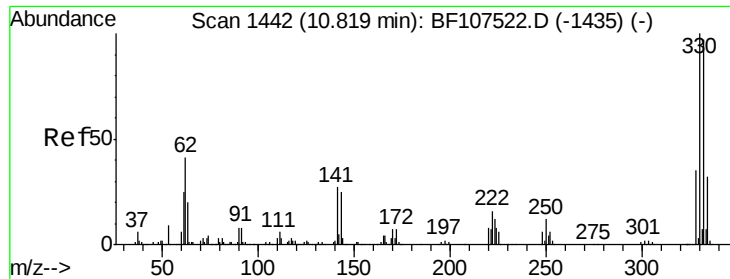
#40
 Hexachlorocyclopentadiene
 Concen: 46.985 ng
 RT: 9.10 min Scan# 1150
 Delta R.T. -0.02 min
 Lab File: BF107719.D
 Acq: 27 Jul 2018 00:04

Tgt Ion:	237	Resp:	277568
Ion	Ratio	Lower	Upper
237	100		
235	63.8	44.8	84.8
272	13.1	0.0	33.3



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

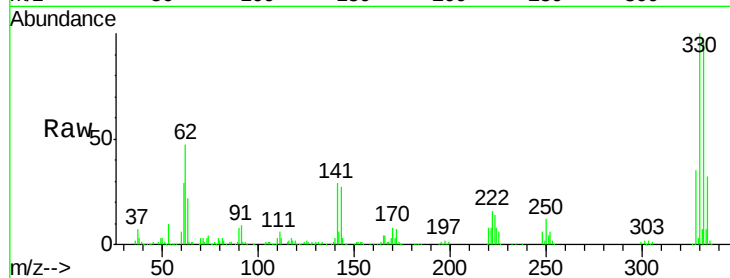




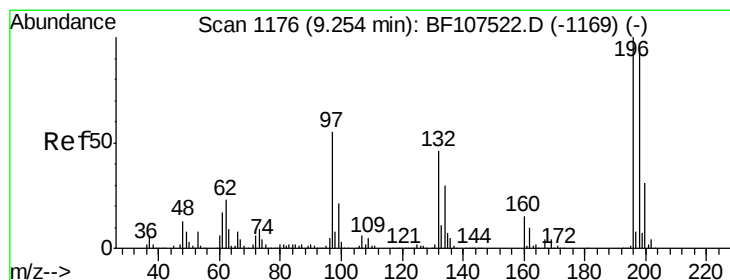
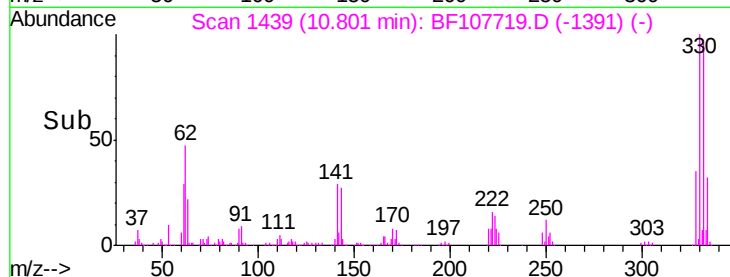
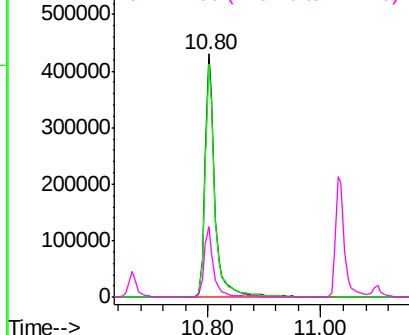
#41
 2,4,6-Tribromophenol
 Concen: 134.002 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107719.D
 Acq: 27 Jul 2018 00:04

Instrument :
 BNA_F
 ClientSampled :
 SP-4MSD

Tgt Ion:330 Resp: 530923
 Ion Ratio Lower Upper
 330 100
 332 94.4 77.0 115.6
 141 27.2 29.9 44.9#

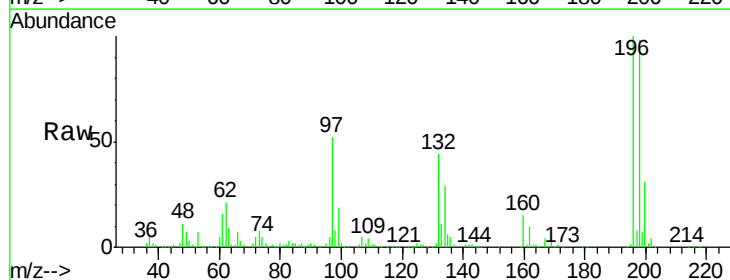


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

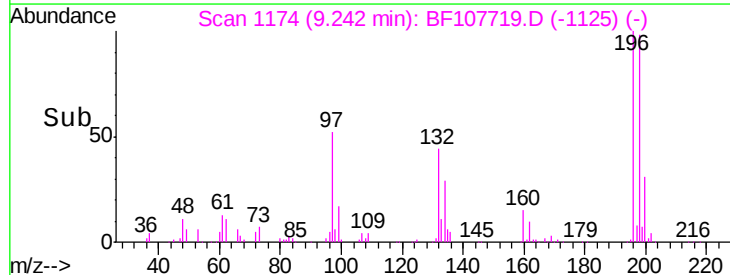
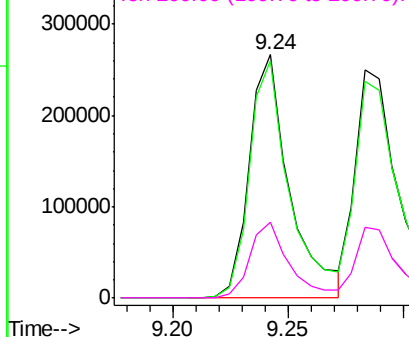


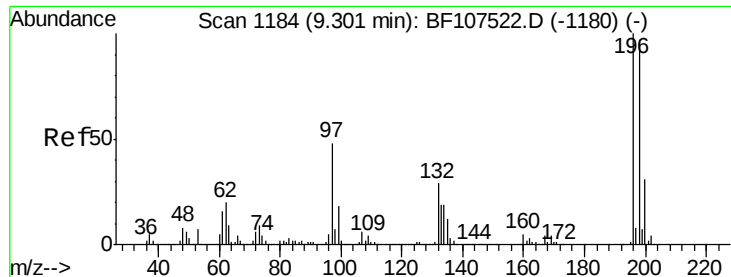
#42
 2,4,6-Trichlorophenol
 Concen: 43.975 ng
 RT: 9.24 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: BF107719.D
 Acq: 27 Jul 2018 00:04

Tgt Ion:196 Resp: 327106
 Ion Ratio Lower Upper
 196 100
 198 97.5 75.7 113.5
 200 31.0 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

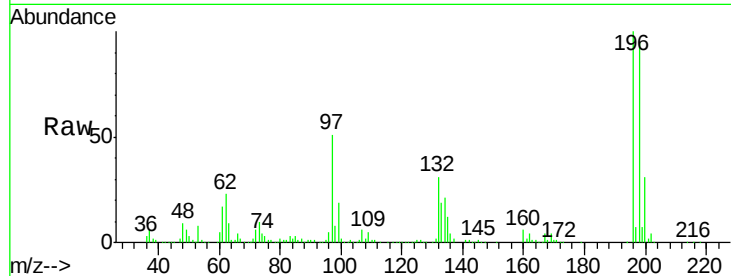




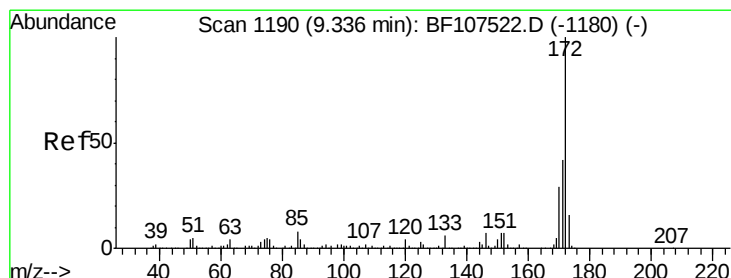
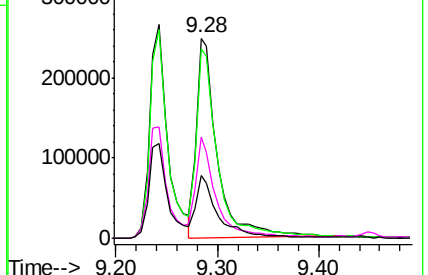
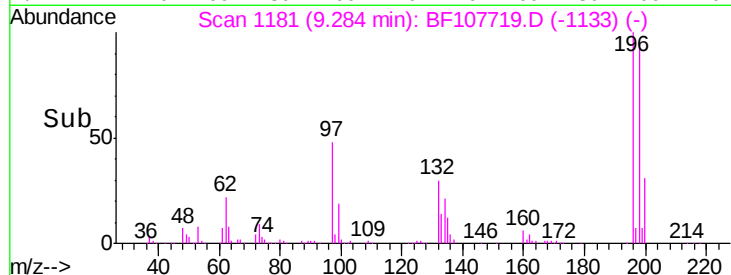
#43
 2,4,5-Trichlorophenol
 Concen: 45.835 ng
 RT: 9.28 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BF107719.D
 Acq: 27 Jul 2018 00:04

Instrument :
 BNA_F
 ClientSampleId :
 SP-4MSD

Tgt Ion:196 Resp: 356339
 Ion Ratio Lower Upper
 196 100
 198 94.8 74.6 112.0
 97 50.7 42.9 64.3
 132 31.2 26.3 39.5

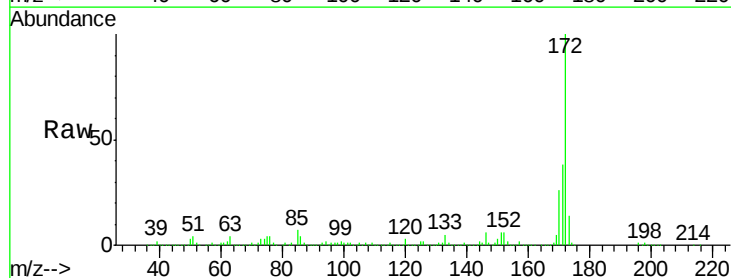


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

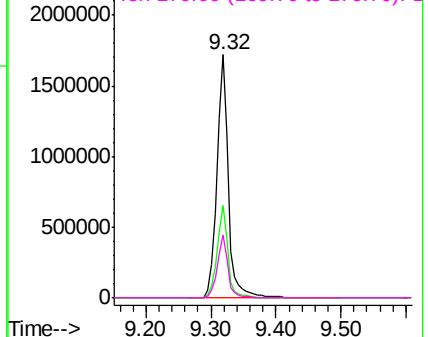
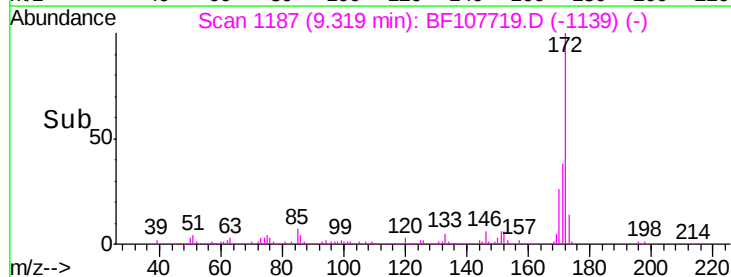


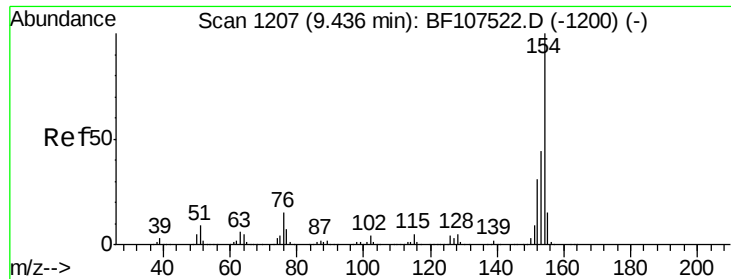
#44
 2-Fluorobiphenyl
 Concen: 112.559 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.02 min
 Lab File: BF107719.D
 Acq: 27 Jul 2018 00:04

Tgt Ion:172 Resp: 2098479
 Ion Ratio Lower Upper
 172 100
 171 38.3 29.7 44.5
 170 25.8 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

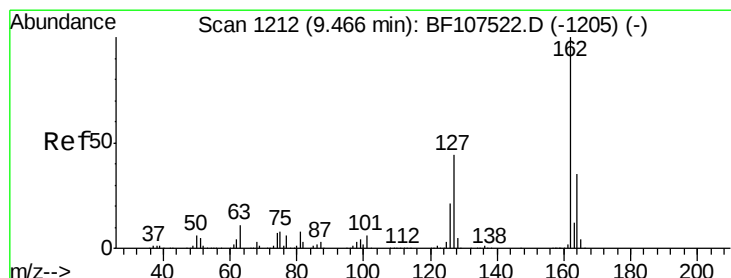
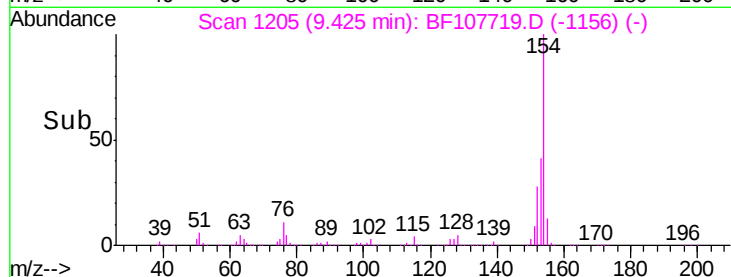
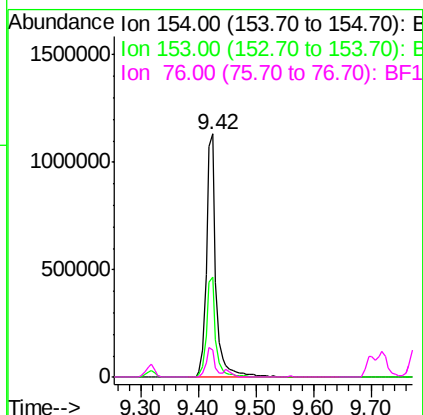
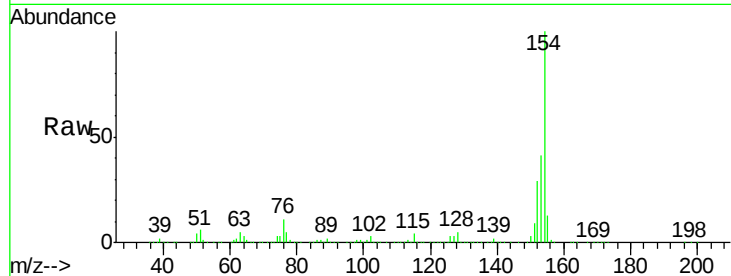




#45
 1,1'-Biphenyl
 Concen: 44.615 ng
 RT: 9.42 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF107719.D
 Acq: 27 Jul 2018 00:04

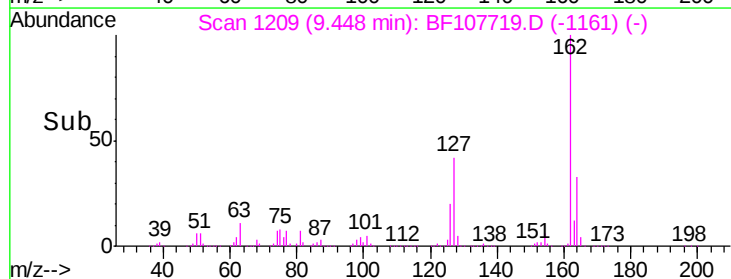
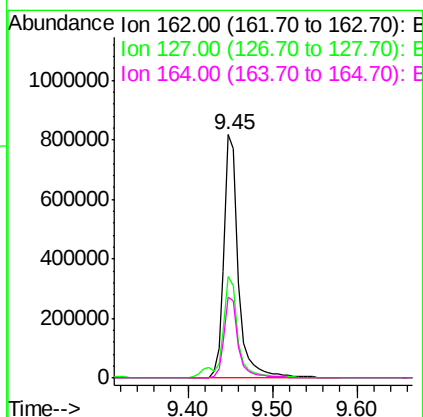
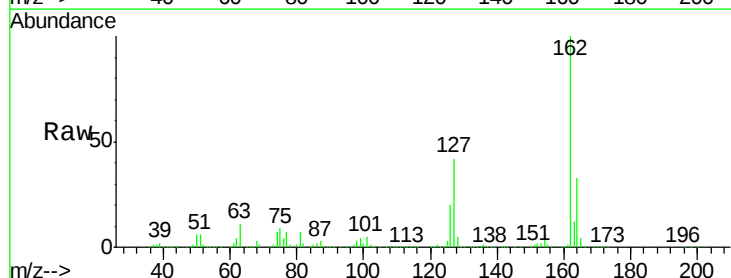
Instrument :
 BNA_F
 ClientSampleId :
 SP-4MSD

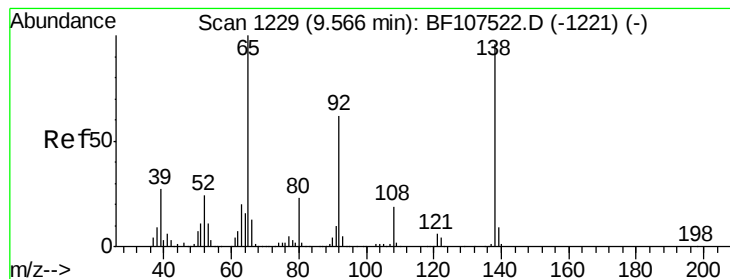
Tgt Ion:154 Resp: 1354135
 Ion Ratio Lower Upper
 154 100
 153 41.2 21.3 61.3
 76 11.2 0.0 34.0



#46
 2-Chloronaphthalene
 Concen: 42.503 ng
 RT: 9.45 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: BF107719.D
 Acq: 27 Jul 2018 00:04

Tgt Ion:162 Resp: 986040
 Ion Ratio Lower Upper
 162 100
 127 41.8 33.9 50.9
 164 33.1 26.5 39.7





#47

2-Nitroaniline

Concen: 48.031 ng

RT: 9.55 min Scan# 1227

Delta R.T. -0.01 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

Instrument :

BNA_F

ClientSampleId :

SP-4MSD

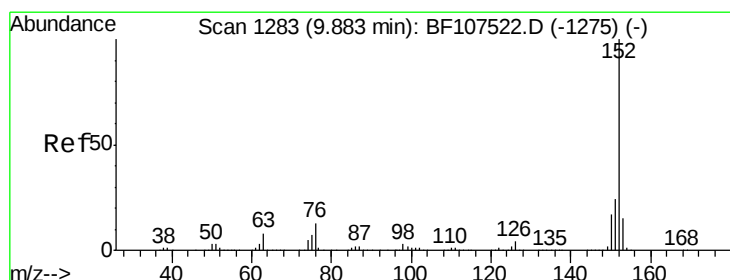
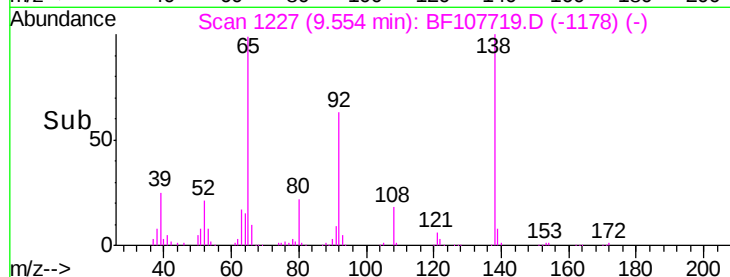
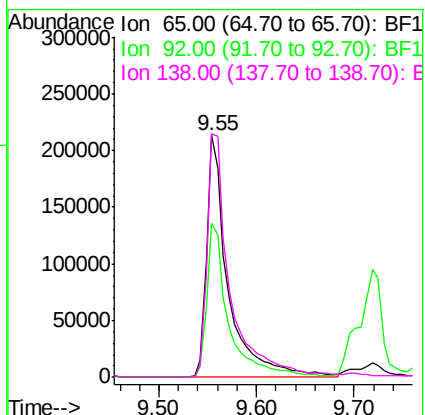
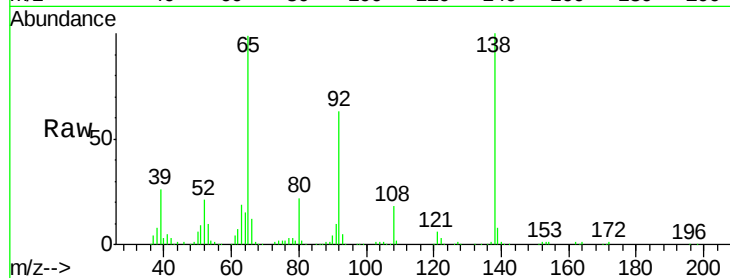
Tgt Ion: 65 Resp: 324854

Ion Ratio Lower Upper

65 100

92 63.9 55.8 83.6

138 100.7 91.2 136.8



#48

Acenaphthylene

Concen: 45.403 ng

RT: 9.87 min Scan# 1280

Delta R.T. -0.02 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

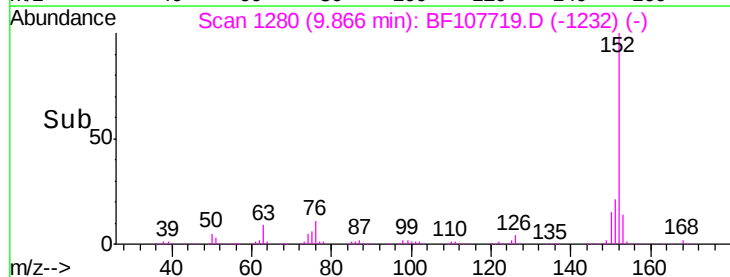
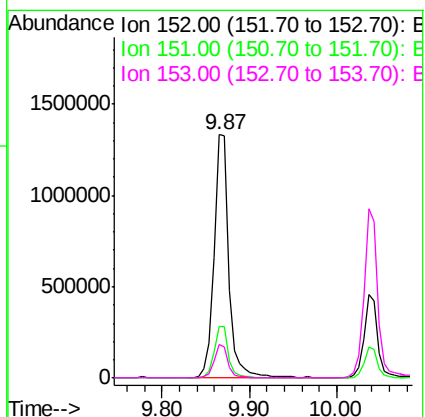
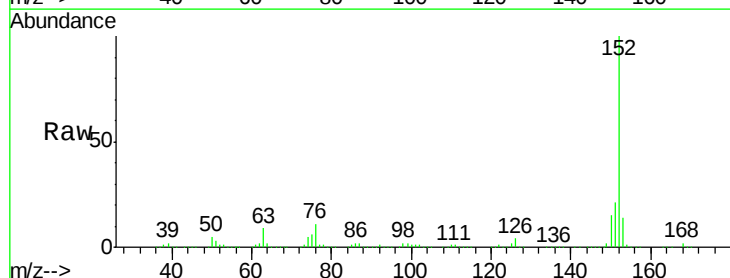
Tgt Ion: 152 Resp: 1582299

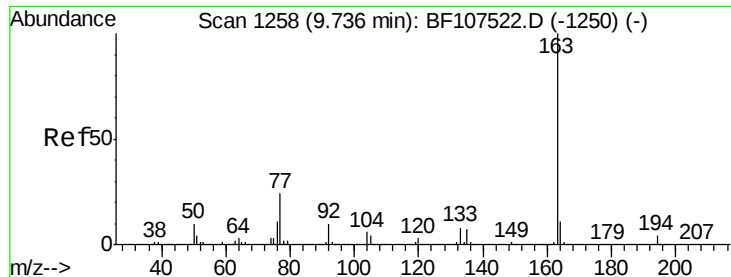
Ion Ratio Lower Upper

152 100

151 21.2 16.3 24.5

153 14.1 10.7 16.1

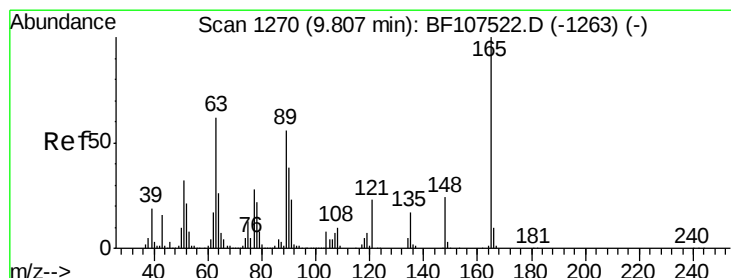
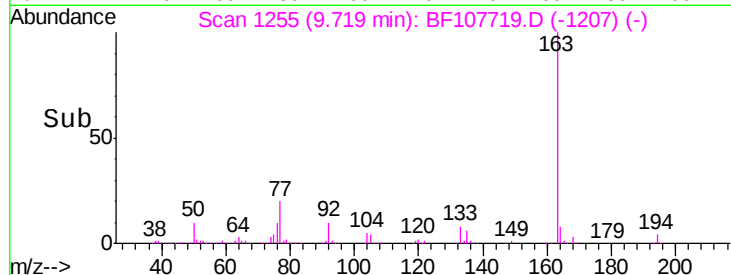
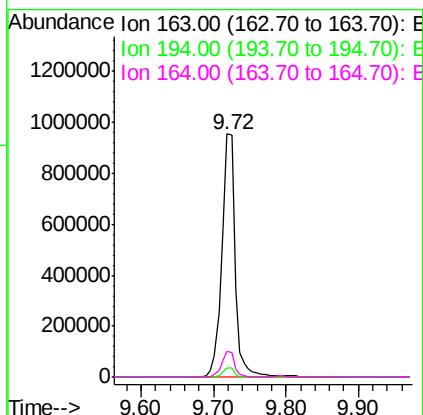
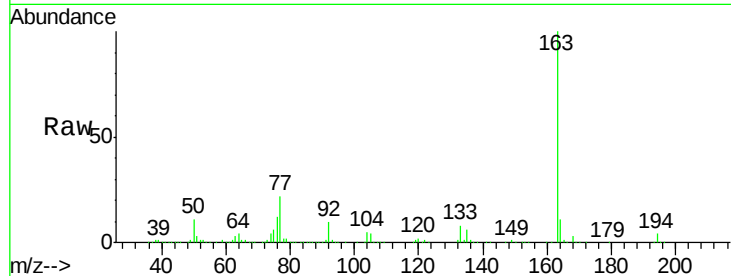




#49
Dimethylphthalate
Concen: 47.435 ng
RT: 9.72 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

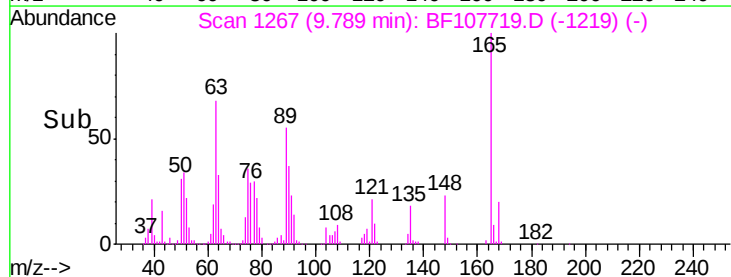
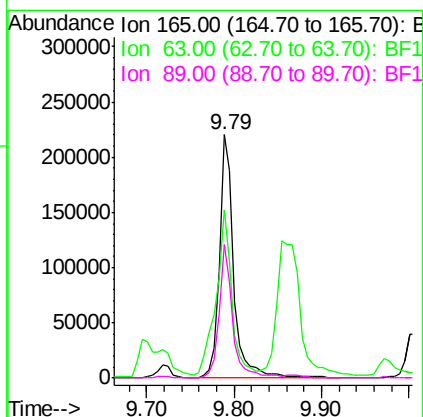
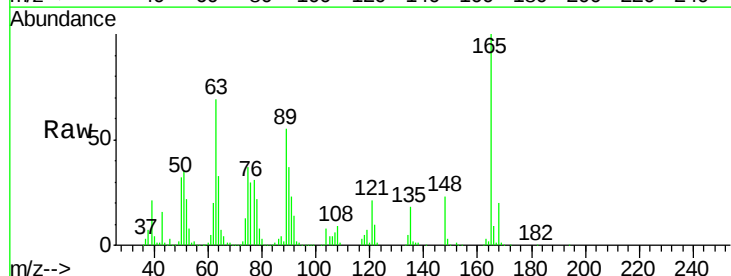
Instrument :
BNA_F
ClientSampleId :
SP-4MSD

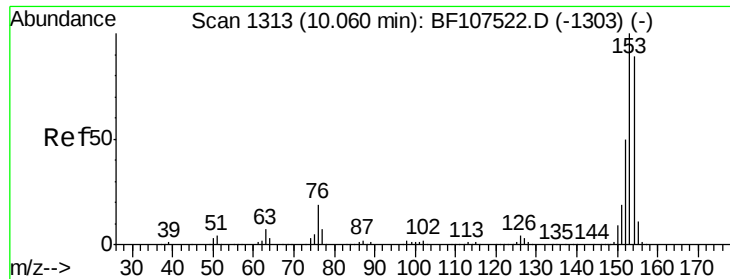
Tgt Ion:163 Resp: 1245584
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.8 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 47.714 ng
RT: 9.79 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

Tgt Ion:165 Resp: 248754
Ion Ratio Lower Upper
165 100
63 69.3 44.7 67.1#
89 55.0 44.0 66.0

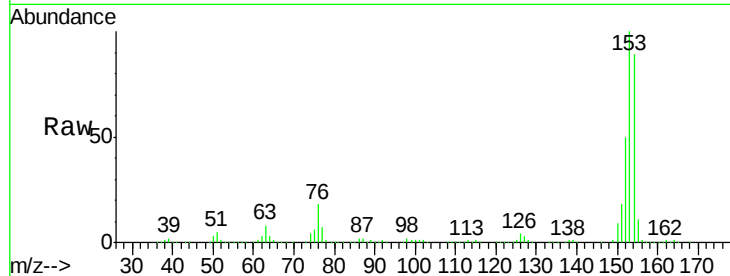




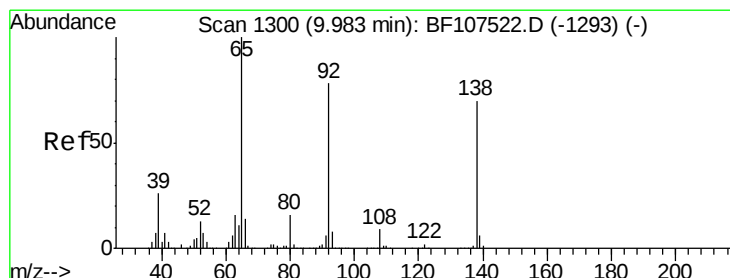
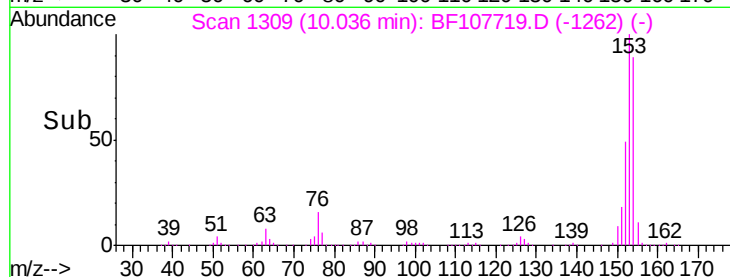
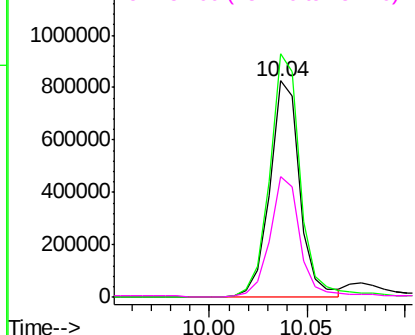
#51
Acenaphthene
Concen: 40.392 ng
RT: 10.04 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

Instrument :
BNA_F
ClientSampleId :
SP-4MSD

Tgt Ion:154 Resp: 881984
Ion Ratio Lower Upper
154 100
153 112.6 91.2 136.8
152 55.8 43.8 65.8

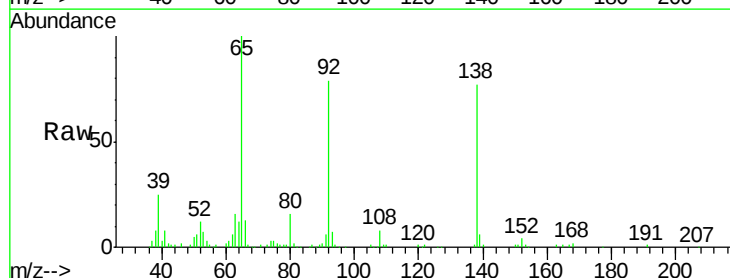


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

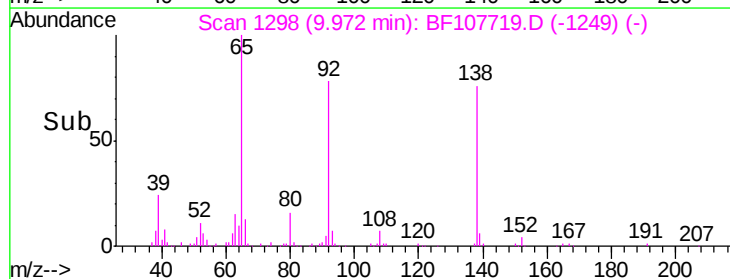
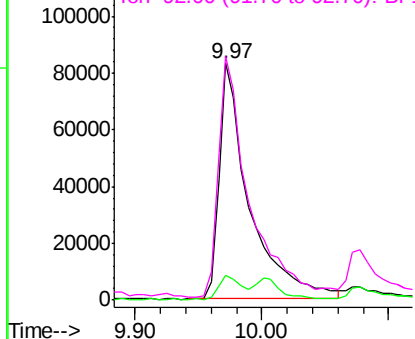


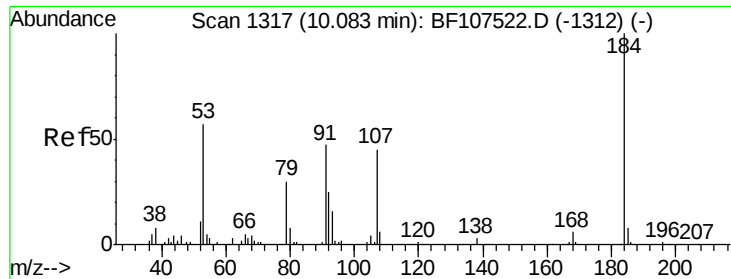
#52
3-Nitroaniline
Concen: 21.816 ng
RT: 9.97 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

Tgt Ion:138 Resp: 138368
Ion Ratio Lower Upper
138 100
108 10.3 9.4 14.0
92 102.7 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

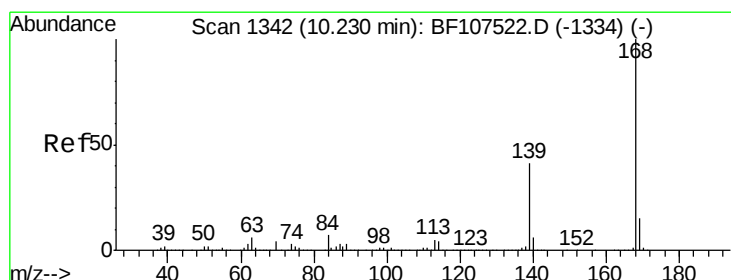
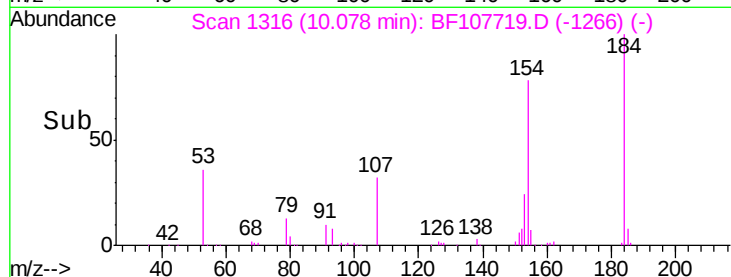
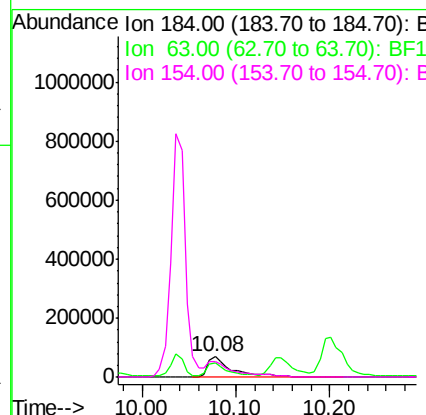
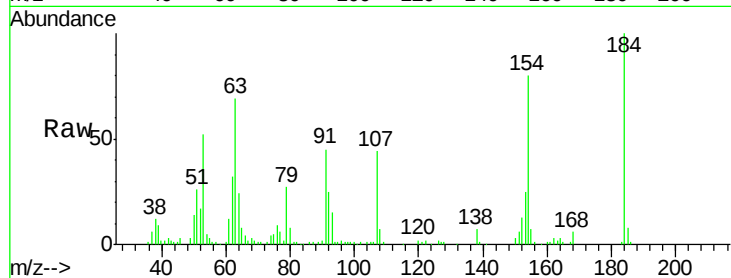




#53
2,4-Dinitrophenol
Concen: 62.019 ng
RT: 10.08 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

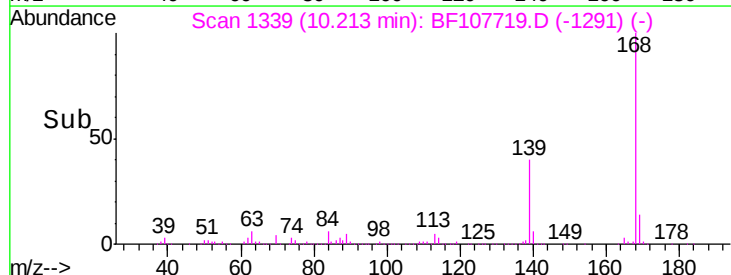
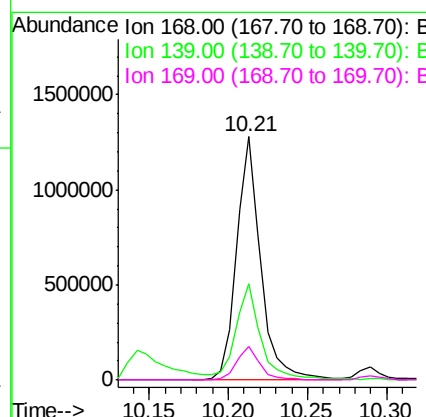
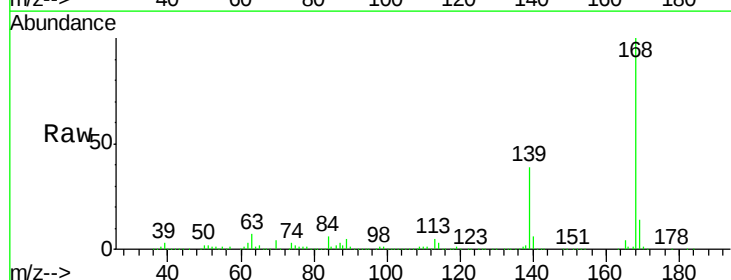
Instrument :
BNA_F
ClientSampleId :
SP-4MSD

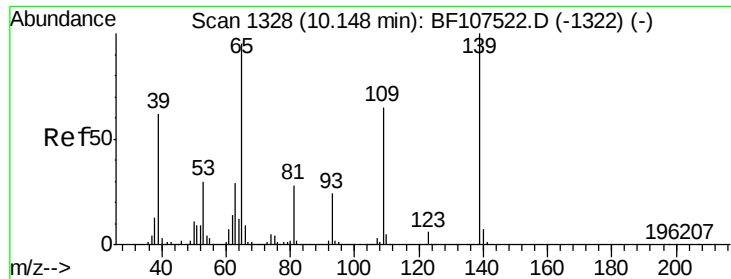
Tgt Ion:184 Resp: 134295
Ion Ratio Lower Upper
184 100
63 68.7 54.2 81.2
154 79.7 184.0 276.0#



#54
Dibenzofuran
Concen: 42.137 ng
RT: 10.21 min Scan# 1339
Delta R.T. -0.02 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

Tgt Ion:168 Resp: 1354554
Ion Ratio Lower Upper
168 100
139 39.4 30.1 45.1
169 13.8 10.9 16.3

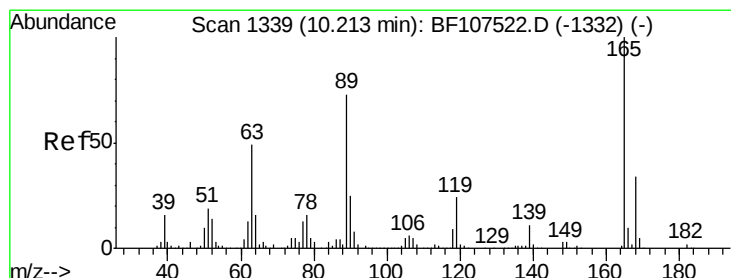
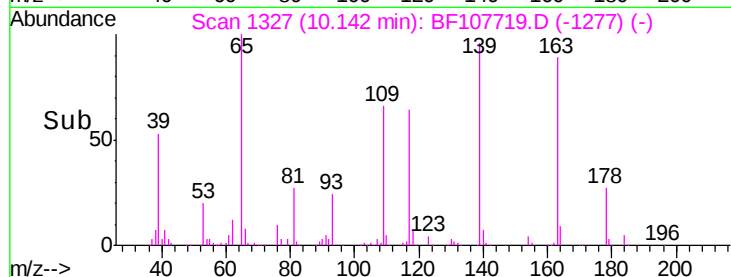
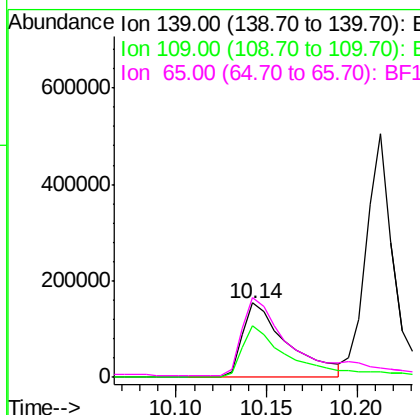
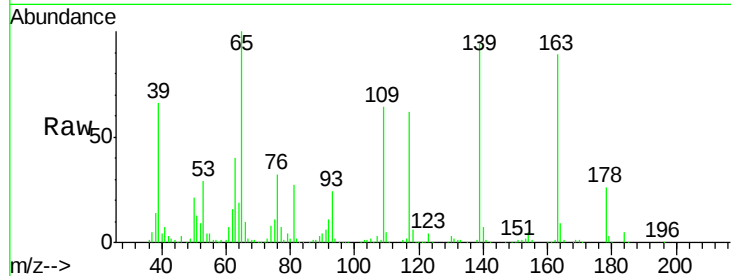




#55
4-Nitrophenol
Concen: 56.370 ng
RT: 10.14 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

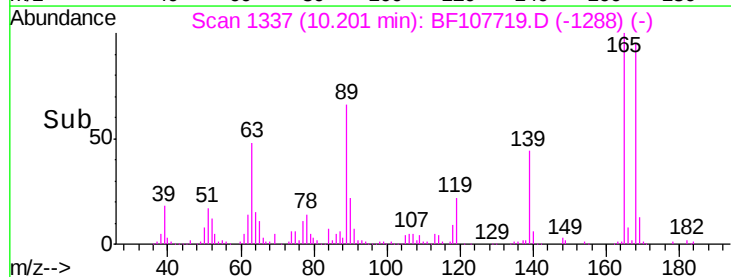
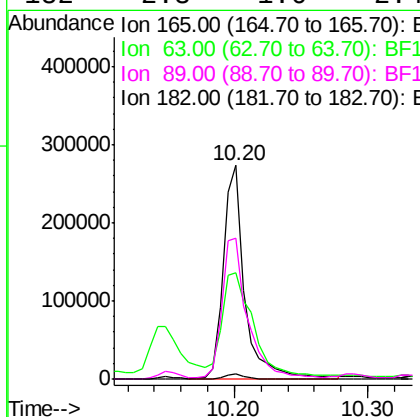
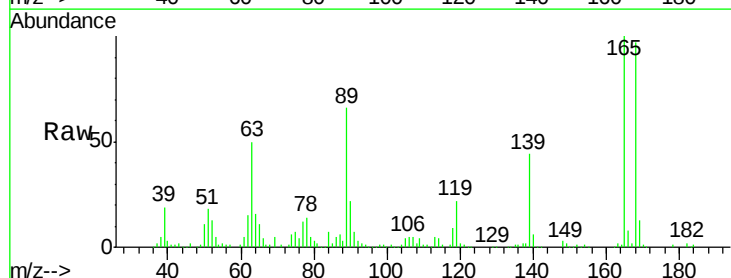
Instrument :
BNA_F
ClientSampleId :
SP-4MSD

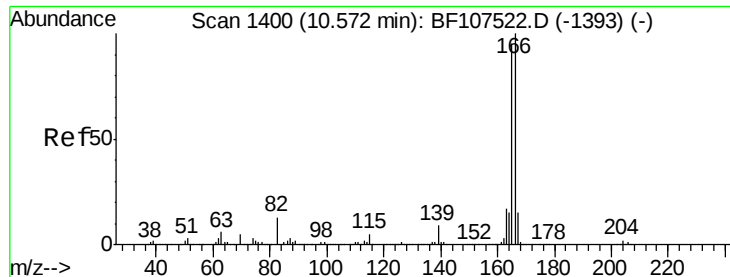
Tgt Ion:139 Resp: 267683
Ion Ratio Lower Upper
139 100
109 68.6 48.4 88.4
65 106.8 72.6 112.6



#56
2,4-Dinitrotoluene
Concen: 48.358 ng
RT: 10.20 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

Tgt Ion:165 Resp: 304323
Ion Ratio Lower Upper
165 100
63 49.9 36.4 54.6
89 66.0 57.8 86.6
182 2.3 1.6 2.4





#57

Fluorene

Concen: 46.606 ng

RT: 10.55 min Scan# 1397

Delta R.T. -0.02 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

Instrument :

BNA_F

ClientSampleId :

SP-4MSD

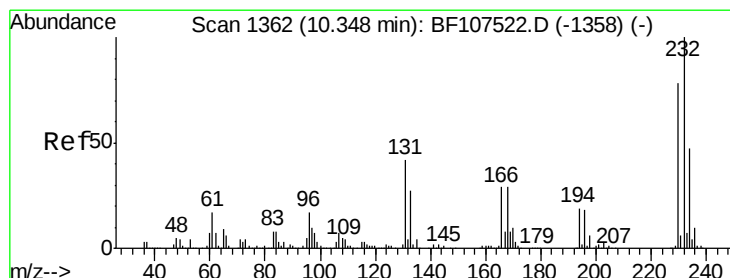
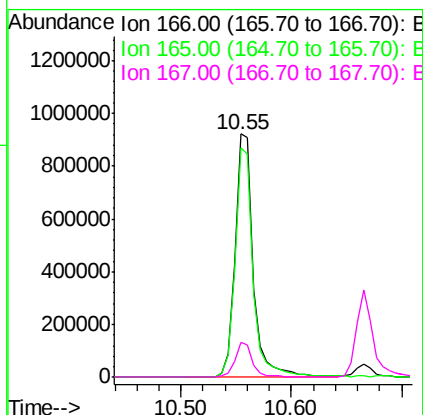
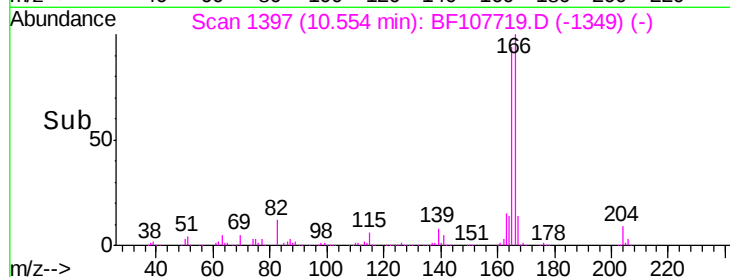
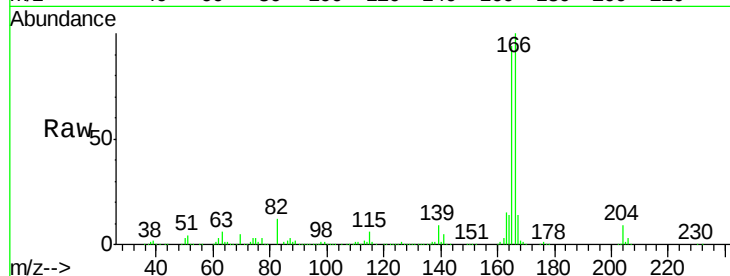
Tgt Ion:166 Resp: 1068862

Ion Ratio Lower Upper

166 100

165 94.4 79.8 119.8

167 14.2 10.6 16.0



#58

2,3,4,6-Tetrachlorophenol

Concen: 47.333 ng

RT: 10.33 min Scan# 1359

Delta R.T. -0.02 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

Tgt Ion:232 Resp: 306252

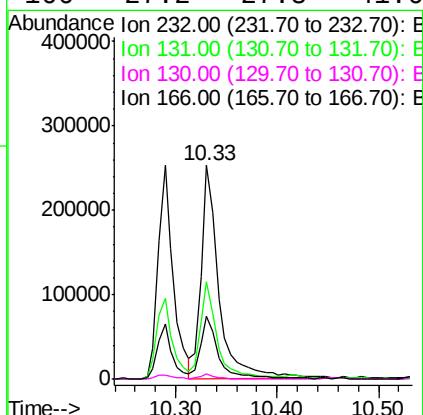
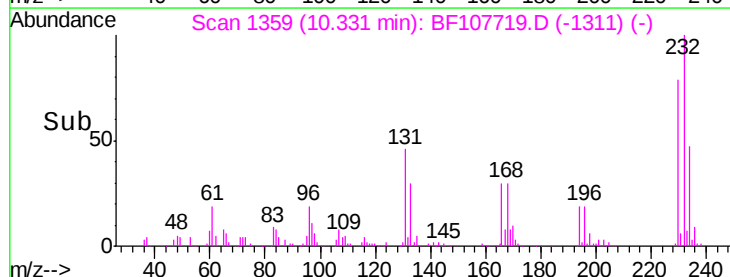
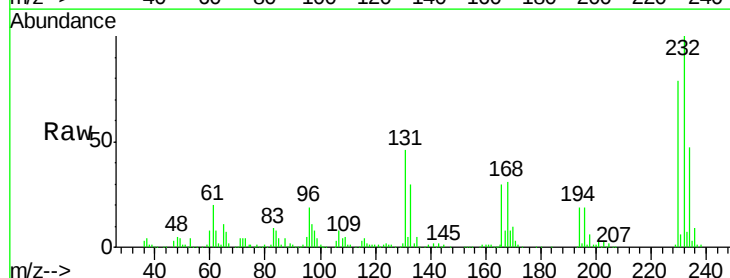
Ion Ratio Lower Upper

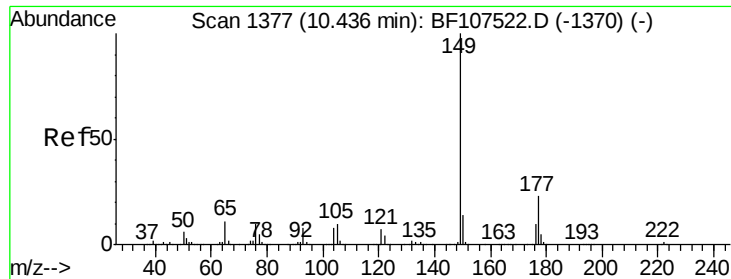
232 100

131 40.8 43.8 65.8#

130 2.1 2.1 3.1

166 27.2 27.8 41.6#

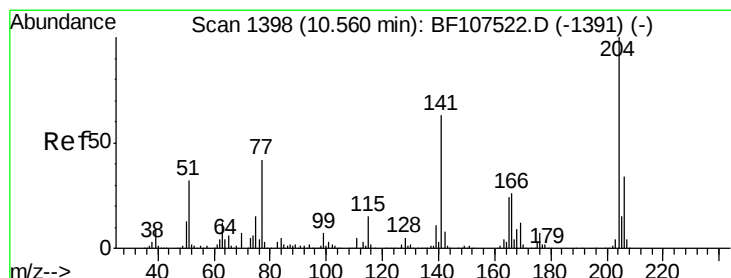
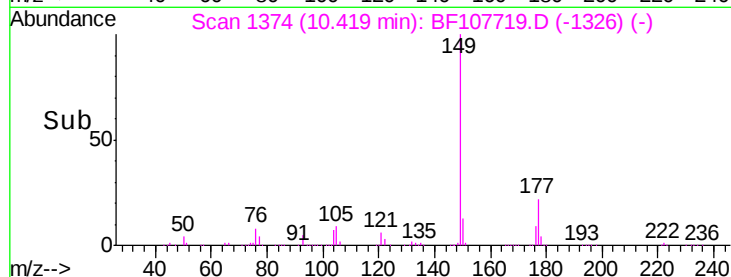
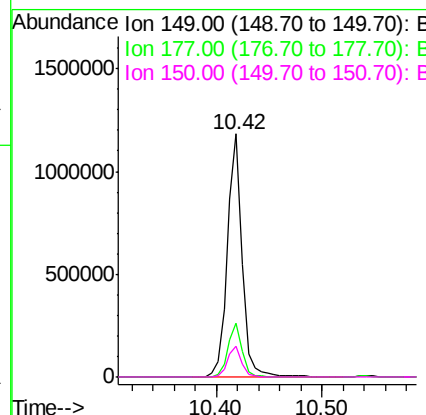
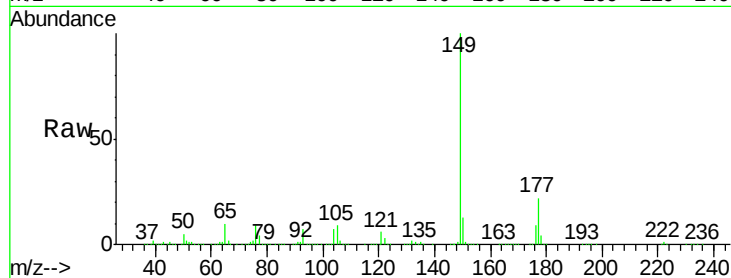




#59
Diethylphthalate
Concen: 42.612 ng
RT: 10.42 min Scan# 1374
Delta R.T. -0.02 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

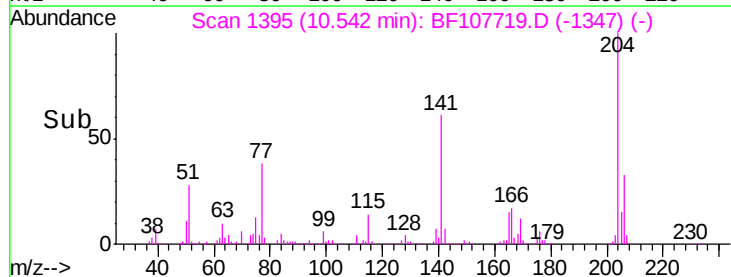
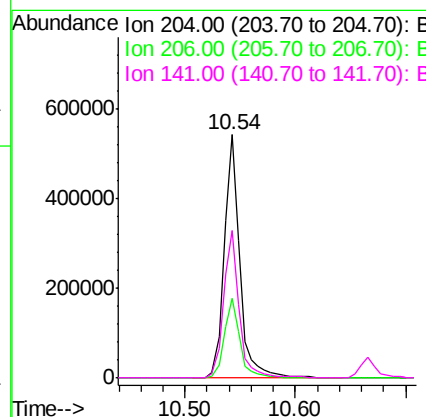
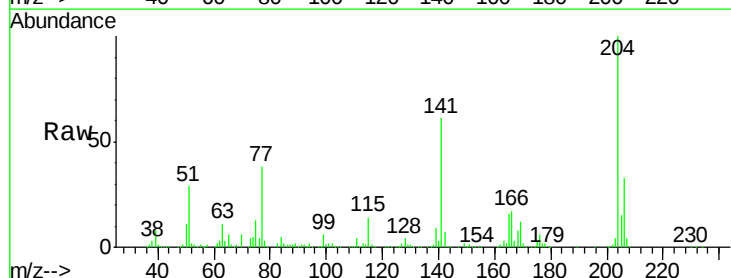
Instrument :
BNA_F
ClientSampleId :
SP-4MSD

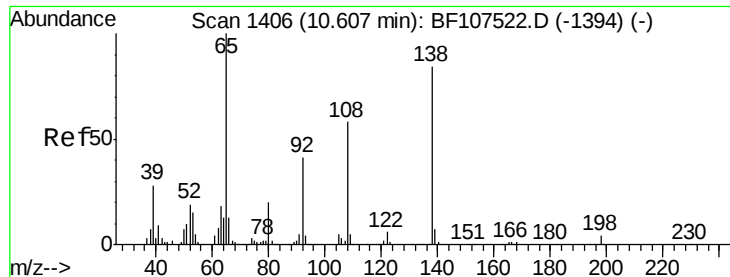
Tgt Ion:149 Resp: 1168610
Ion Ratio Lower Upper
149 100
177 22.2 16.1 24.1
150 12.8 10.1 15.1



#60
4-Chlorophenyl-phenylether
Concen: 41.406 ng
RT: 10.54 min Scan# 1395
Delta R.T. -0.02 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

Tgt Ion:204 Resp: 536842
Ion Ratio Lower Upper
204 100
206 32.6 26.5 39.7
141 60.8 54.6 81.8

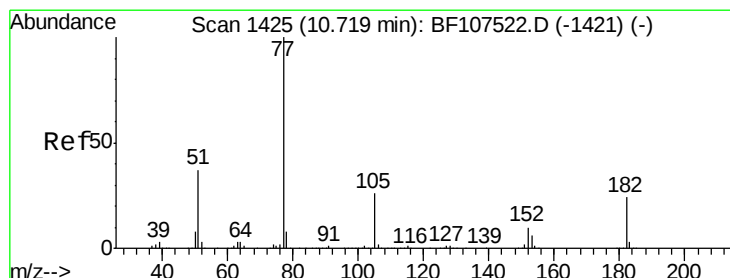
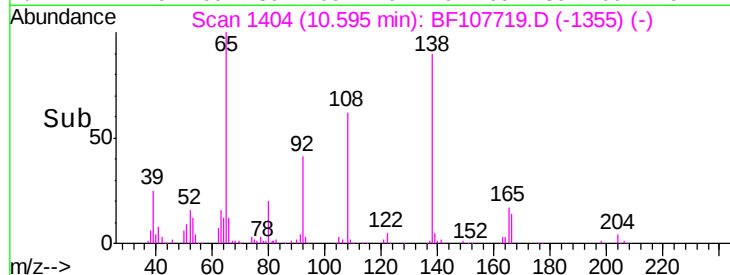
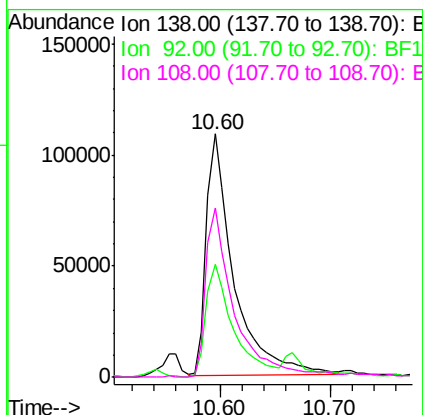
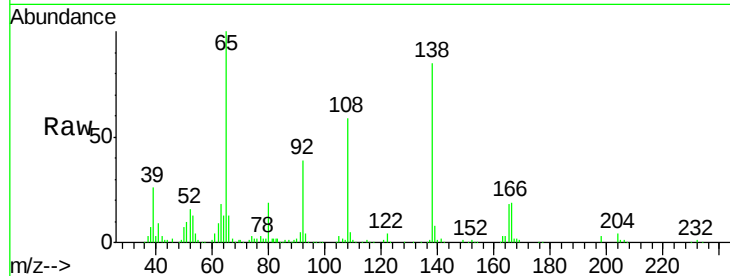




#61
4-Nitroaniline
Concen: 34.783 ng
RT: 10.60 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

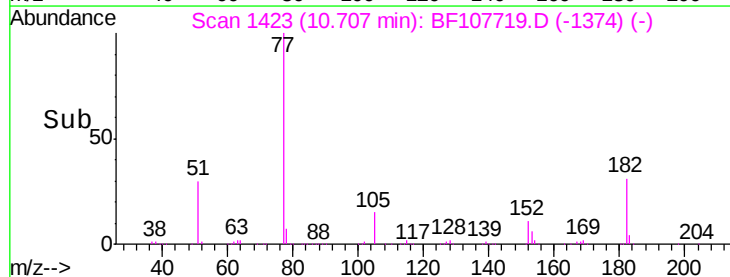
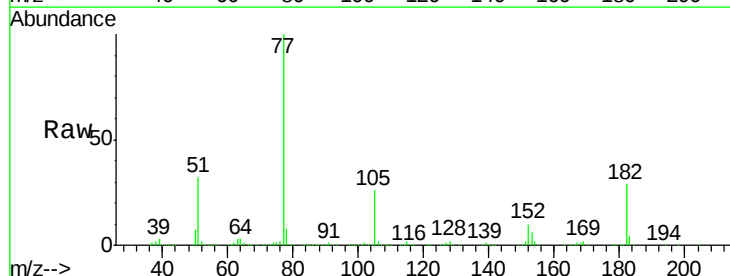
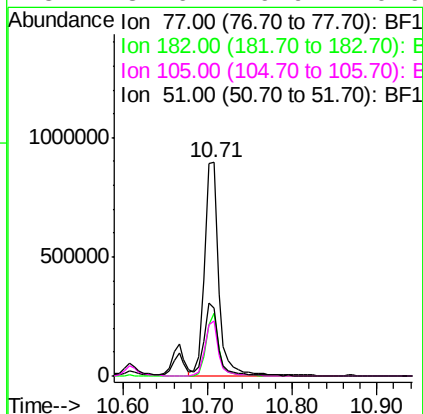
Instrument :
BNA_F
ClientSampleId :
SP-4MSD

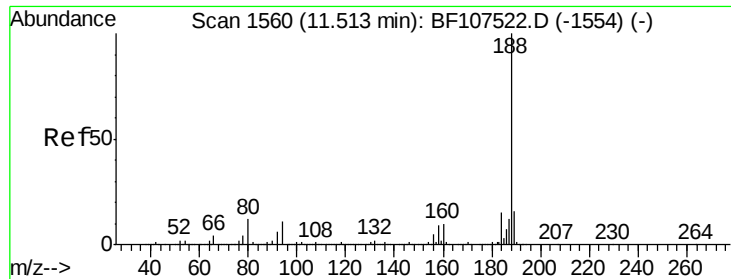
Tgt Ion: 138 Resp: 185352
Ion Ratio Lower Upper
138 100
92 46.3 30.2 70.2
108 69.7 52.5 92.5



#62
Azobenzene
Concen: 40.465 ng
RT: 10.71 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

Tgt Ion: 77 Resp: 1040599
Ion Ratio Lower Upper
77 100
182 29.5 1.7 41.7
105 25.9 3.0 43.0
51 31.6 9.9 49.9

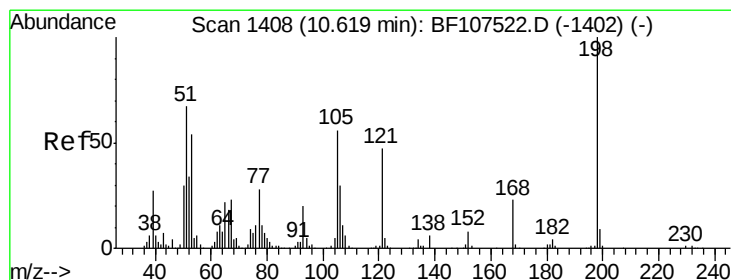
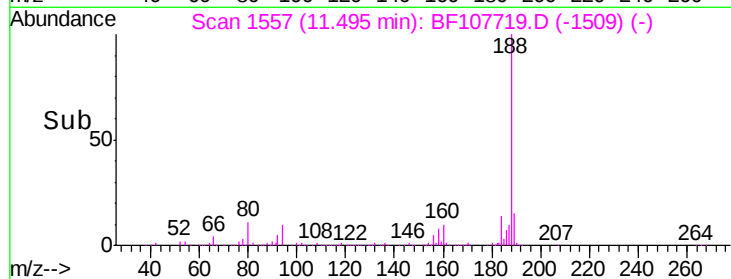
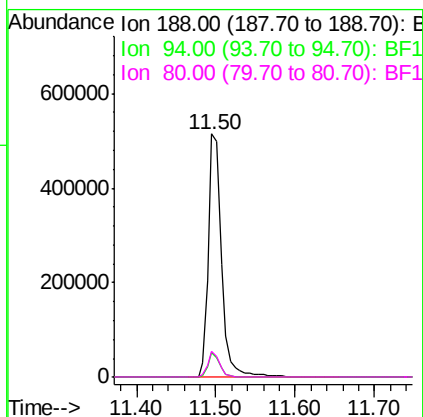
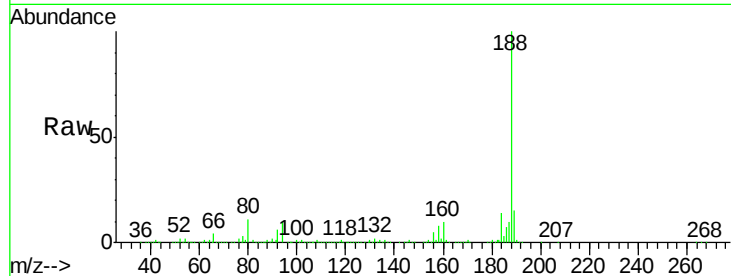




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.02 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

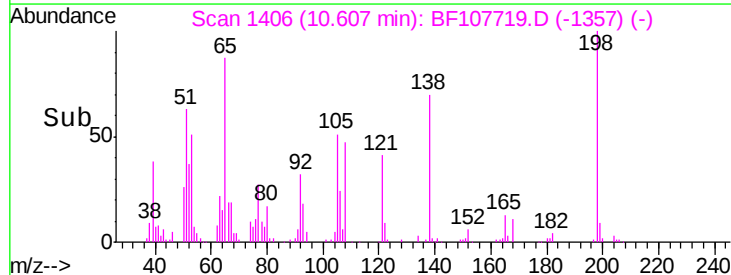
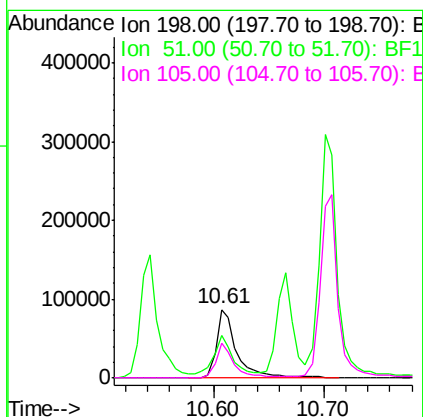
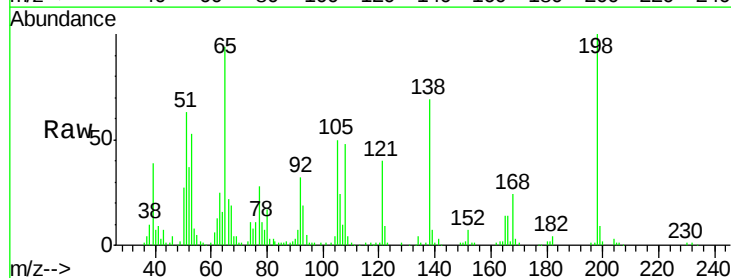
Instrument :
BNA_F
ClientSampleId :
SP-4MSD

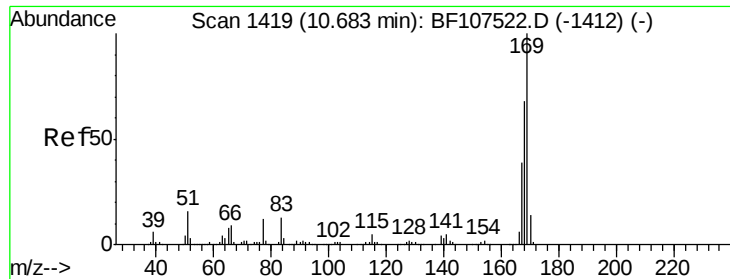
Tgt Ion:188 Resp: 604743
Ion Ratio Lower Upper
188 100
94 10.0 8.5 12.7
80 10.6 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 40.057 ng
RT: 10.61 min Scan# 1406
Delta R.T. -0.01 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

Tgt Ion:198 Resp: 111826
Ion Ratio Lower Upper
198 100
51 62.6 37.7 77.7
105 49.9 36.3 76.3

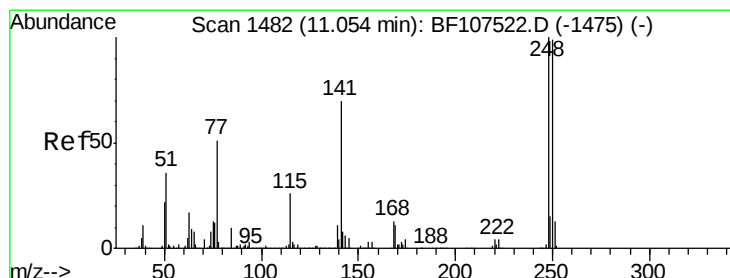
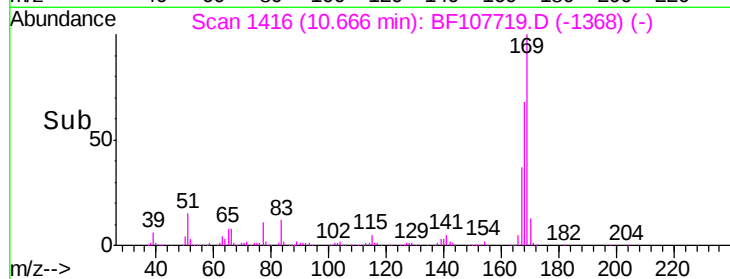
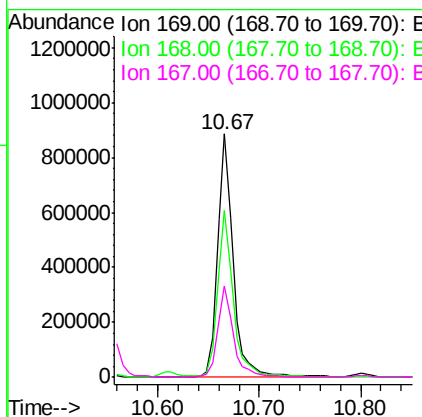
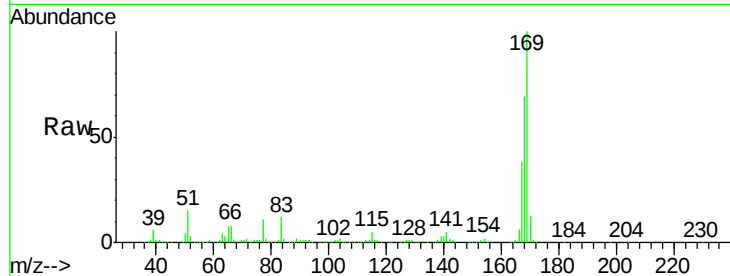




#65
 n-Nitrosodiphenylamine
 Concen: 46.256 ng
 RT: 10.67 min Scan# 1416
 Delta R.T. -0.02 min
 Lab File: BF107719.D
 Acq: 27 Jul 2018 00:04

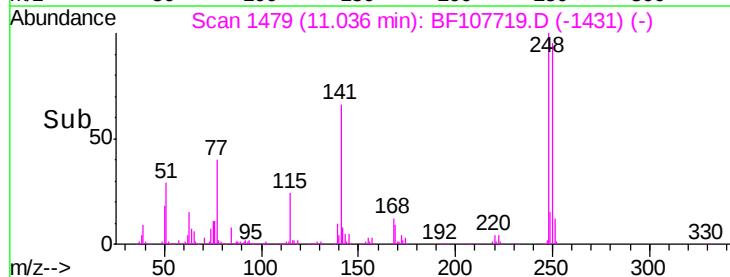
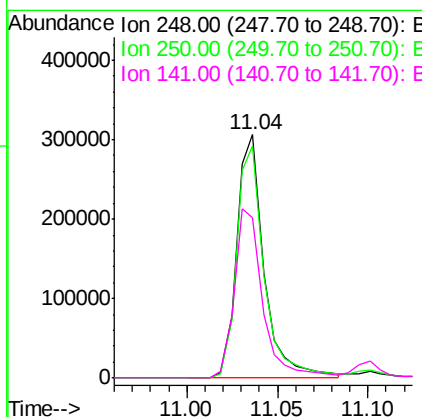
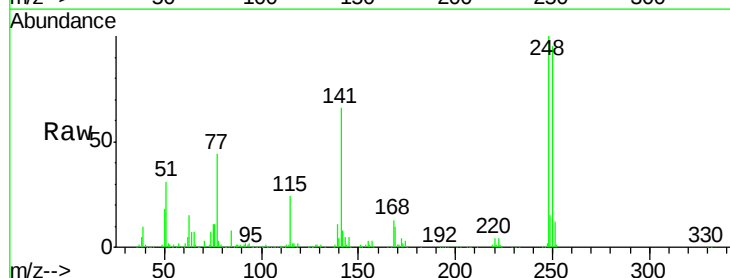
Instrument :
 BNA_F
 ClientSampleId :
 SP-4MSD

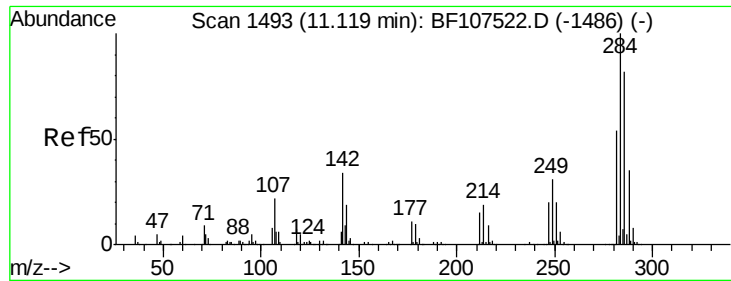
Tgt Ion:169 Resp: 950039
 Ion Ratio Lower Upper
 169 100
 168 68.6 54.4 81.6
 167 37.5 29.8 44.6



#66
 4-Bromophenyl-phenylether
 Concen: 45.234 ng
 RT: 11.04 min Scan# 1479
 Delta R.T. -0.02 min
 Lab File: BF107719.D
 Acq: 27 Jul 2018 00:04

Tgt Ion:248 Resp: 322017
 Ion Ratio Lower Upper
 248 100
 250 95.2 76.9 115.3
 141 66.1 74.4 111.6#

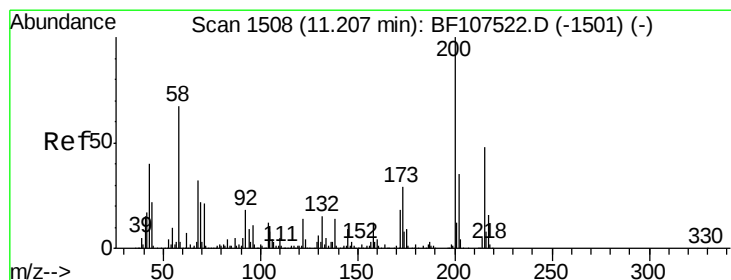
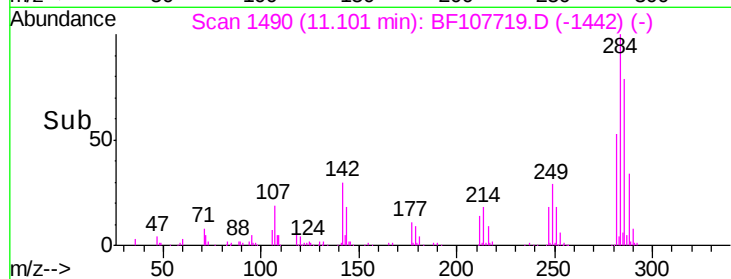
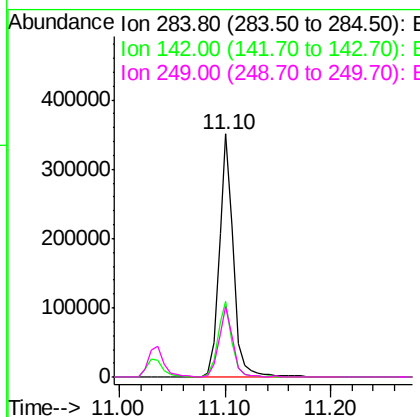
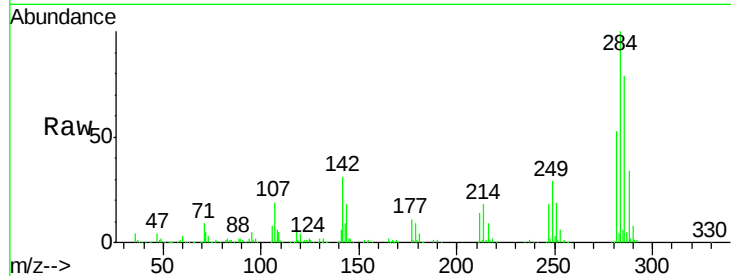




#67
Hexachlorobenzene
Concen: 42.503 ng
RT: 11.10 min Scan# 1490
Delta R.T. -0.02 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

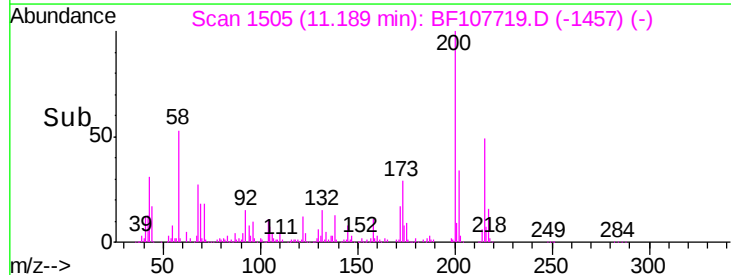
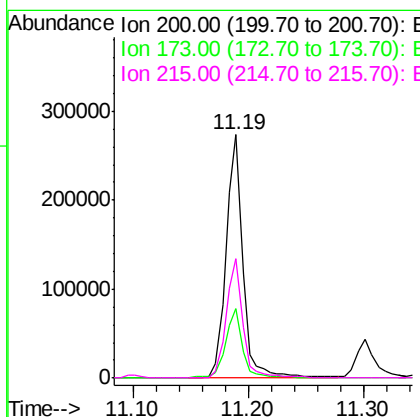
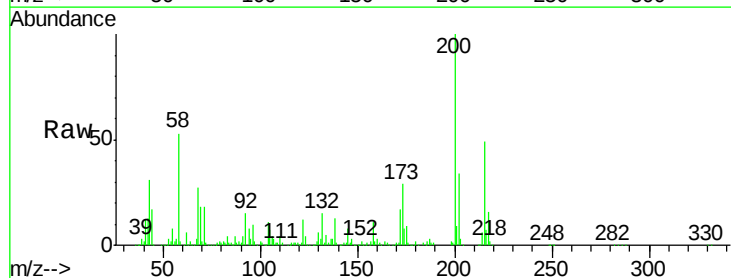
Instrument :
BNA_F
ClientSampleId :
SP-4MSD

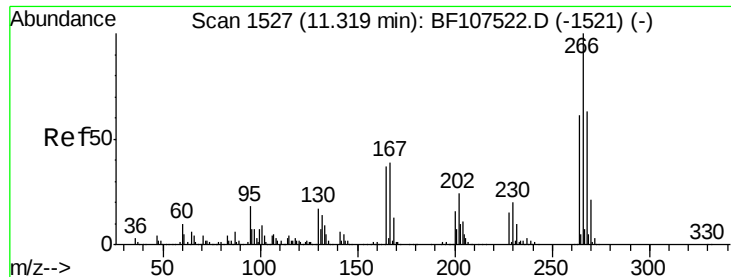
Tgt Ion:284 Resp: 332923
Ion Ratio Lower Upper
284 100
142 31.1 34.6 52.0#
249 29.3 24.8 37.2



#68
Atrazine
Concen: 44.237 ng
RT: 11.19 min Scan# 1505
Delta R.T. -0.02 min
Lab File: BF107719.D
Acq: 27 Jul 2018 00:04

Tgt Ion:200 Resp: 277406
Ion Ratio Lower Upper
200 100
173 28.7 8.6 48.6
215 49.3 25.1 65.1

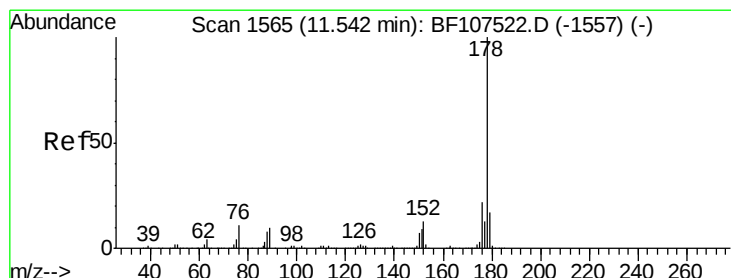
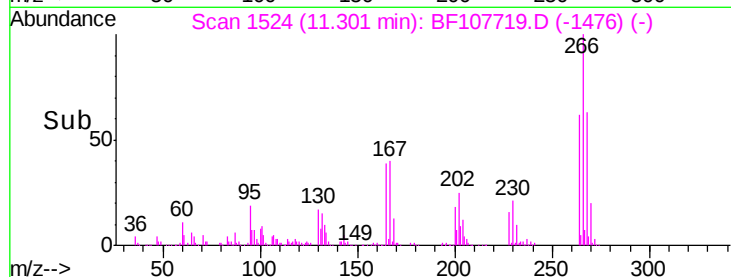
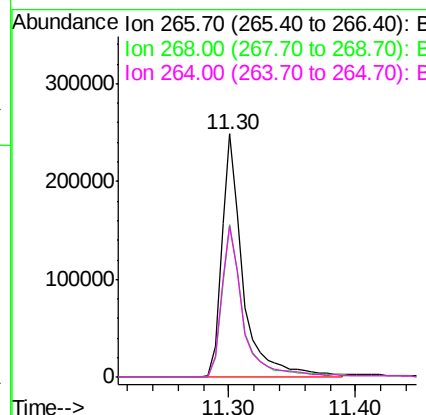
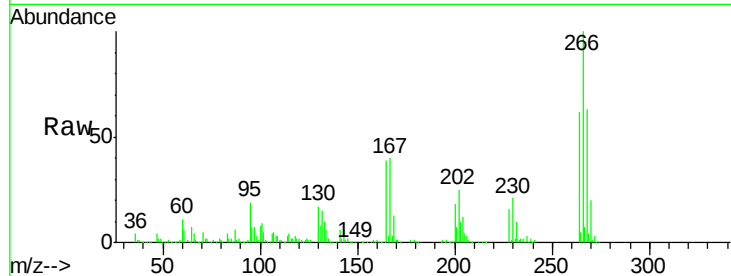




#69
 Pentachlorophenol
 Concen: 59.831 ng
 RT: 11.30 min Scan# 1524
 Delta R.T. -0.02 min
 Lab File: BF107719.D
 Acq: 27 Jul 2018 00:04

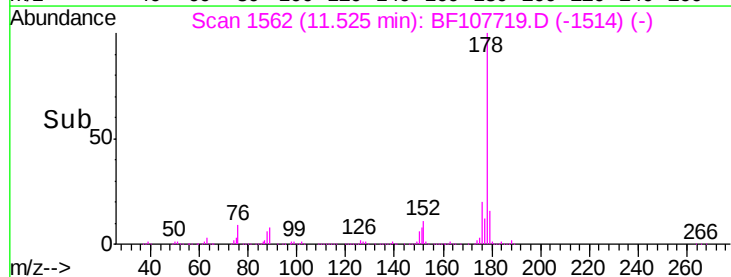
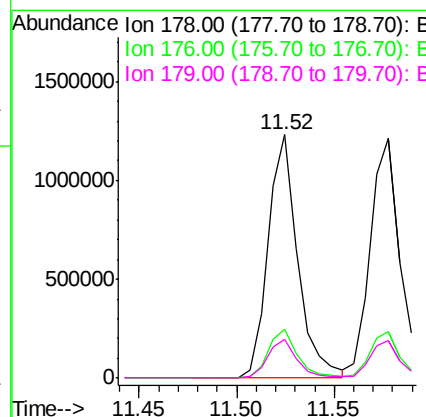
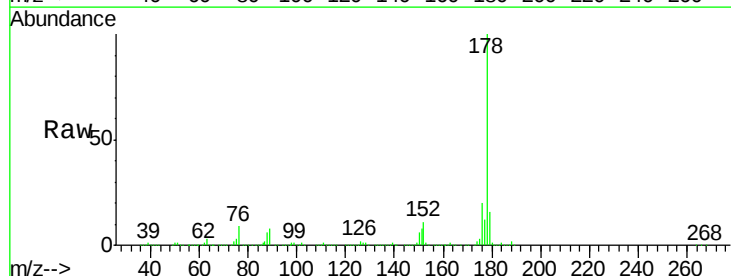
Instrument :
 BNA_F
 ClientSampleId :
 SP-4MSD

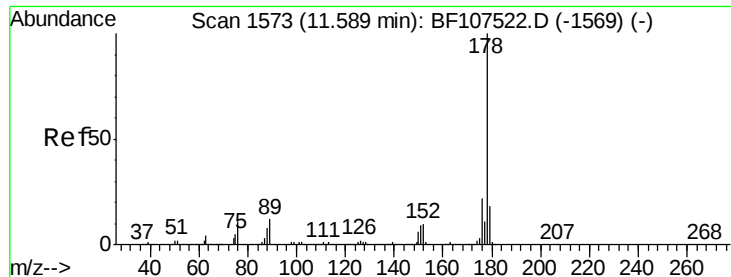
Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.7	51.1	76.7
264	62.2	49.5	74.3



#70
 Phenanthrene
 Concen: 44.017 ng
 RT: 11.52 min Scan# 1562
 Delta R.T. -0.02 min
 Lab File: BF107719.D
 Acq: 27 Jul 2018 00:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.8
179	16.2	13.0	19.6

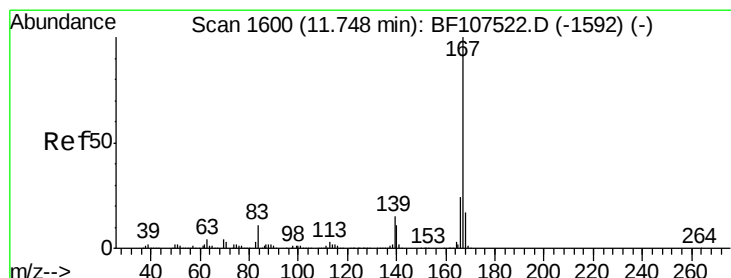
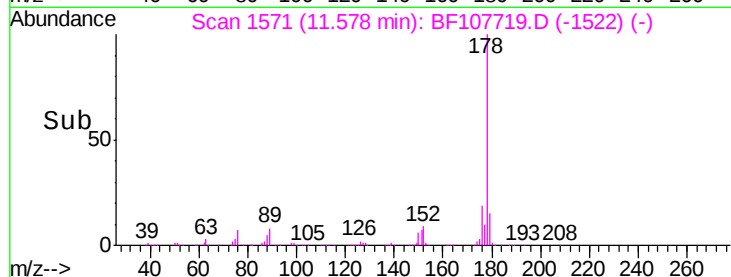
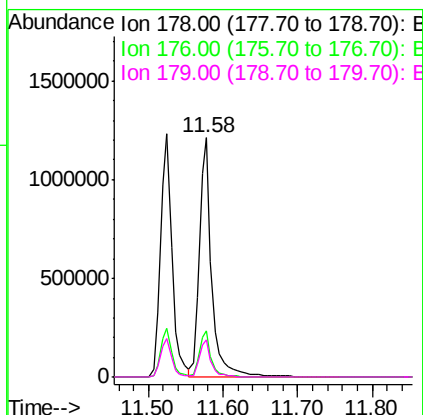
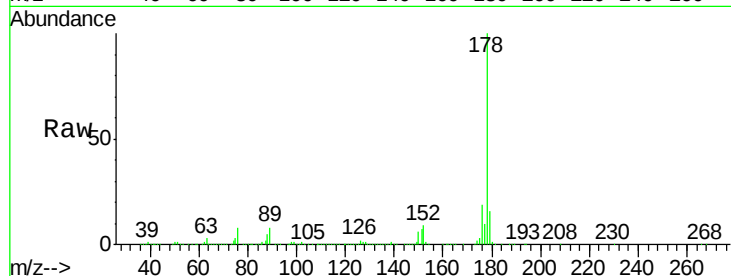




#71
 Anthracene
 Concen: 47.458 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF107719.D
 Acq: 27 Jul 2018 00:04

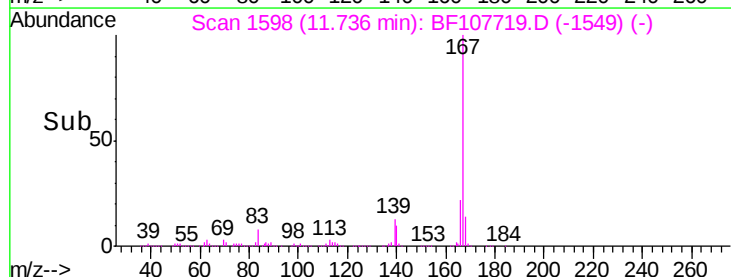
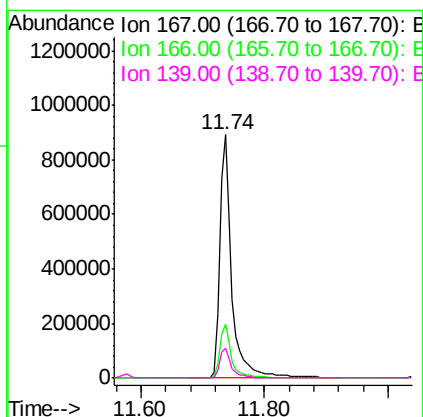
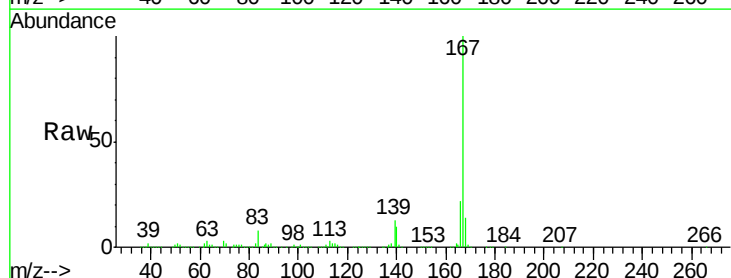
Instrument :
 BNA_F
 ClientSampleId :
 SP-4MSD

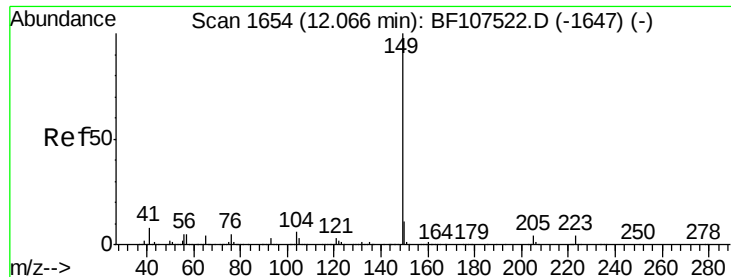
Tgt Ion:178 Resp: 1408137
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.2
 179 15.6 12.6 19.0



#72
 Carbazole
 Concen: 38.347 ng
 RT: 11.74 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF107719.D
 Acq: 27 Jul 2018 00:04

Tgt Ion:167 Resp: 1183184
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.6 26.4
 139 12.5 10.9 16.3





#73

Di-n-butylphthalate

Concen: 52.461 ng

RT: 12.04 min Scan# 1650

Delta R.T. -0.02 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

Instrument :

BNA_F

ClientSampleId :

SP-4MSD

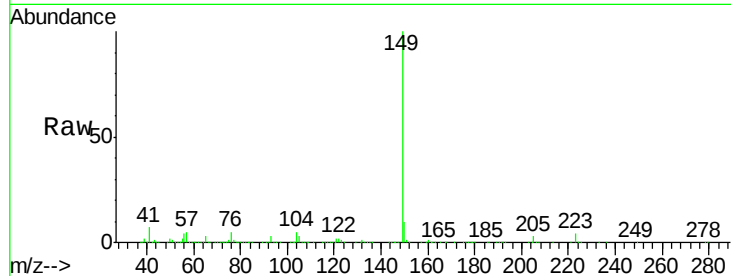
Tgt Ion:149 Resp: 1585401

Ion Ratio Lower Upper

149 100

150 9.8 7.8 11.6

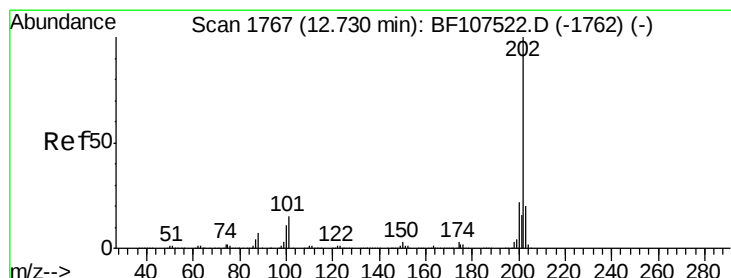
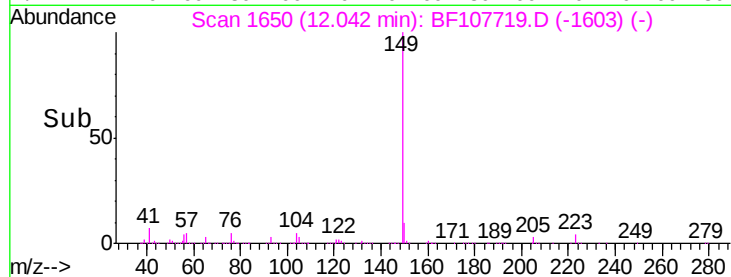
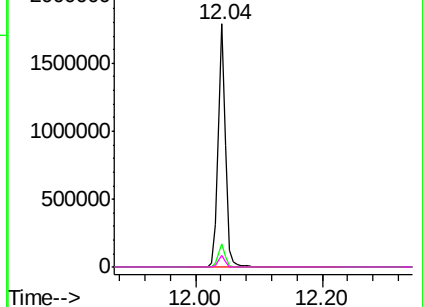
104 4.7 3.8 5.8



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: 36.715 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.02 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

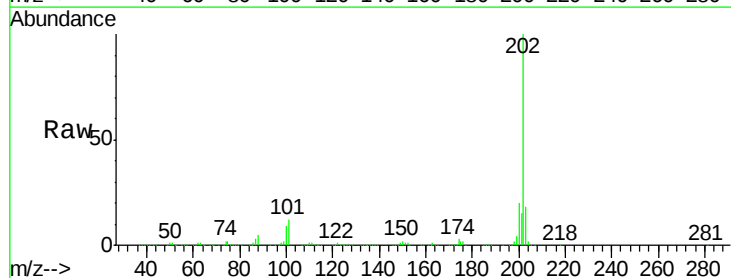
Tgt Ion:202 Resp: 1161020

Ion Ratio Lower Upper

202 100

101 11.8 0.0 34.1

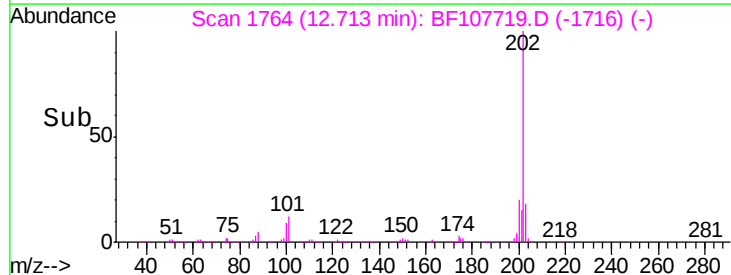
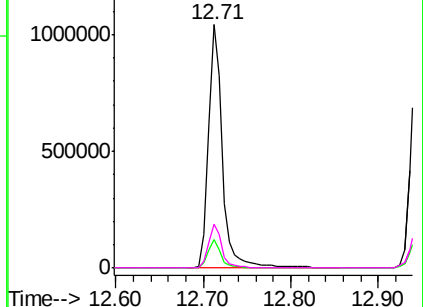
203 18.3 0.0 38.1

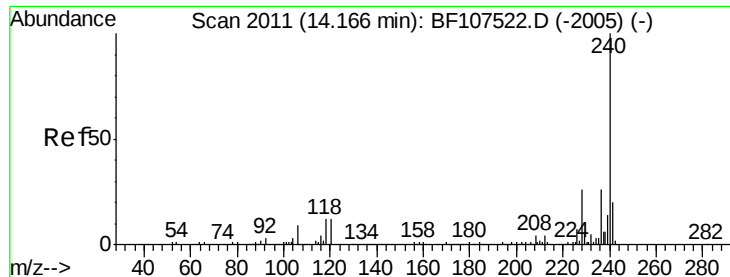


Abundance Ion 202.00 (201.70 to 202.70): E

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. -0.02 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

Instrument :

BNA_F

ClientSampleId :

SP-4MSD

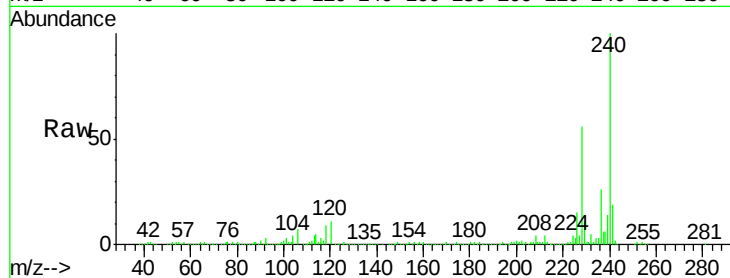
Tgt Ion:240 Resp: 386552

Ion Ratio Lower Upper

240 100

120 10.5 9.5 14.3

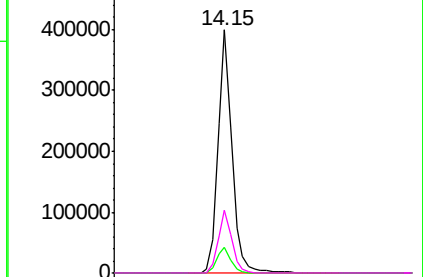
236 26.2 20.7 31.1



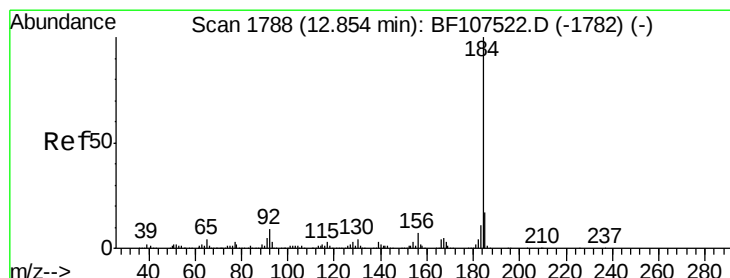
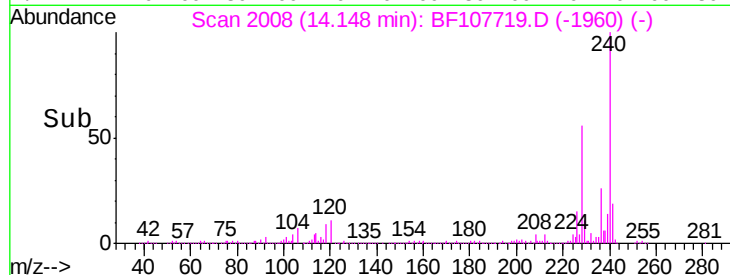
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#76

Benzidine

Concen: 40.121 ng

RT: 12.84 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

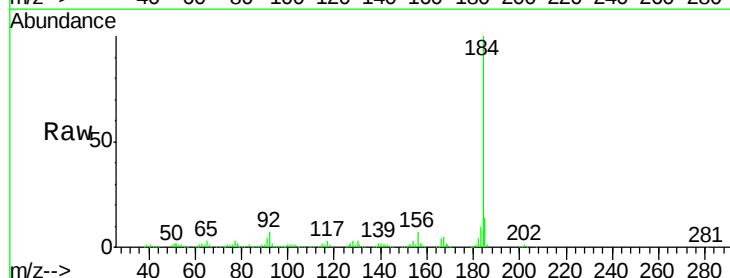
Tgt Ion:184 Resp: 446629

Ion Ratio Lower Upper

184 100

185 13.6 12.6 18.8

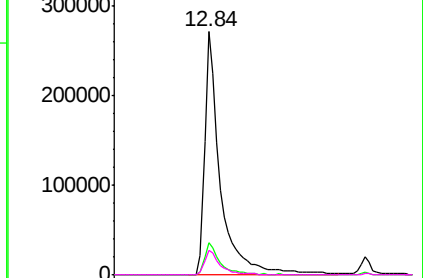
183 10.2 9.3 13.9



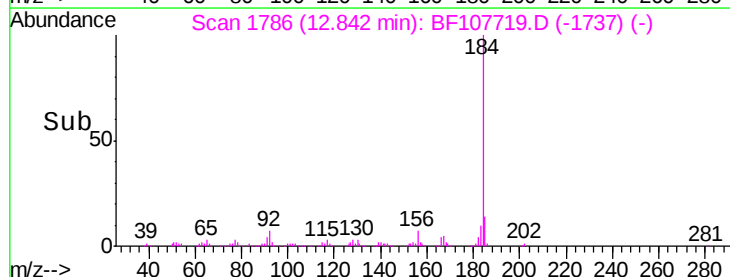
Abundance Ion 184.00 (183.70 to 184.70): E

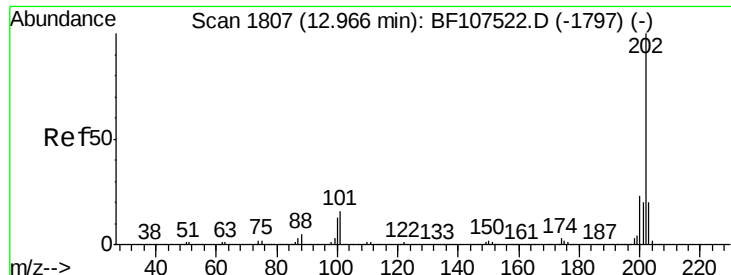
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->

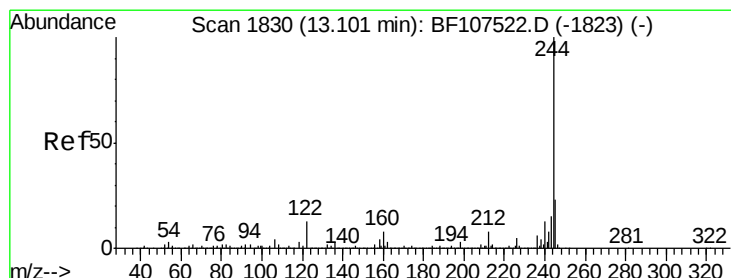
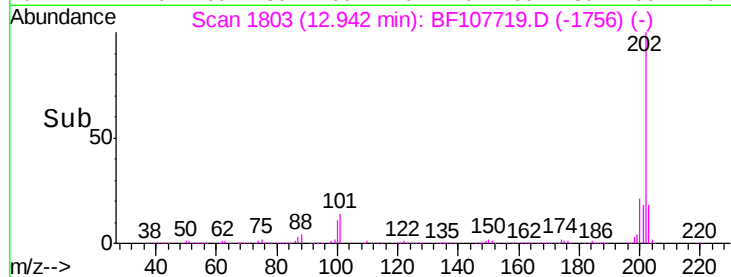
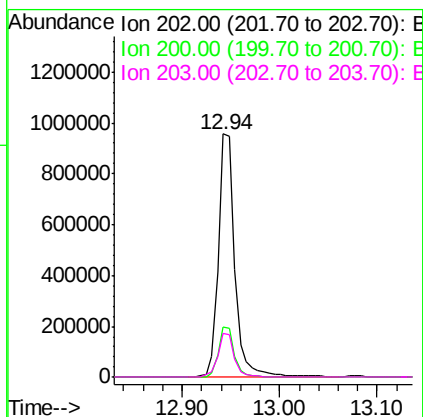
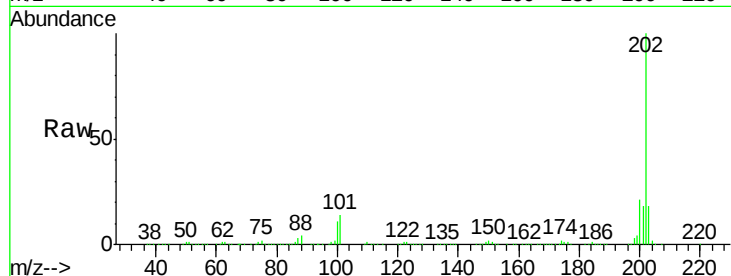




#77
 Pyrene
 Concen: 42.377 ng
 RT: 12.94 min Scan# 1803
 Delta R.T. -0.02 min
 Lab File: BF107719.D
 Acq: 27 Jul 2018 00:04

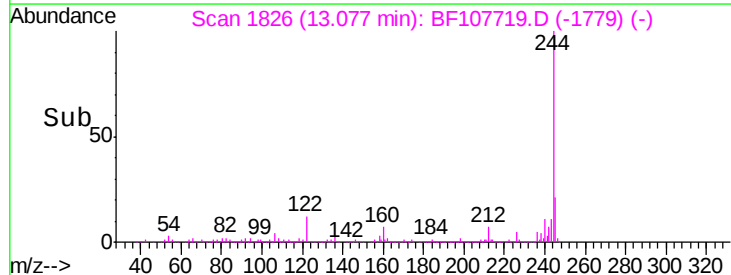
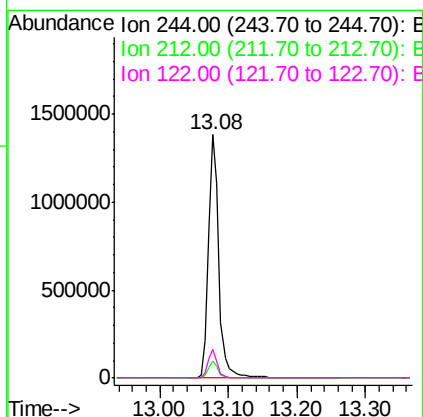
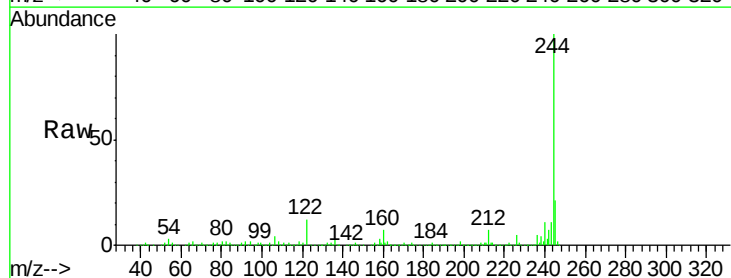
Instrument :
 BNA_F
 ClientSampleId :
 SP-4MSD

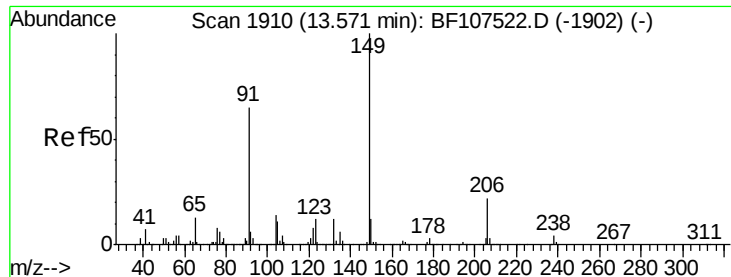
Tgt Ion: 202 Resp: 1120470
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.4 26.2
 203 18.0 14.3 21.5



#78
 Terphenyl-d14
 Concen: 99.406 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.02 min
 Lab File: BF107719.D
 Acq: 27 Jul 2018 00:04

Tgt Ion: 244 Resp: 1500951
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 11.9 11.0 16.4





#79

Butylbenzylphthalate

Concen: 43.574 ng

RT: 13.55 min Scan# 1906

Delta R.T. -0.02 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

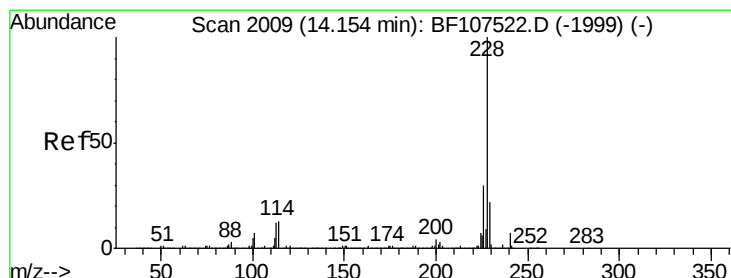
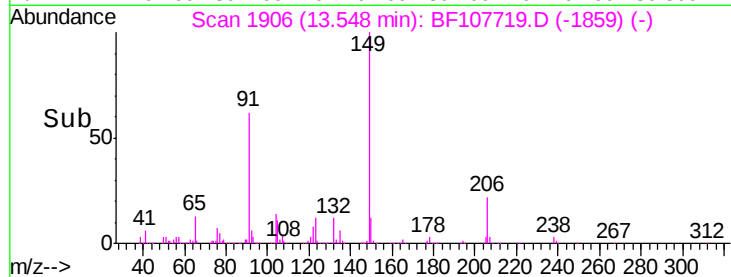
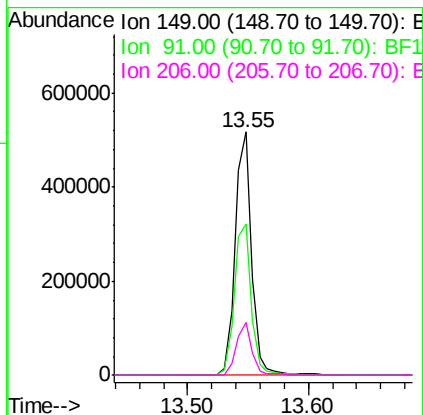
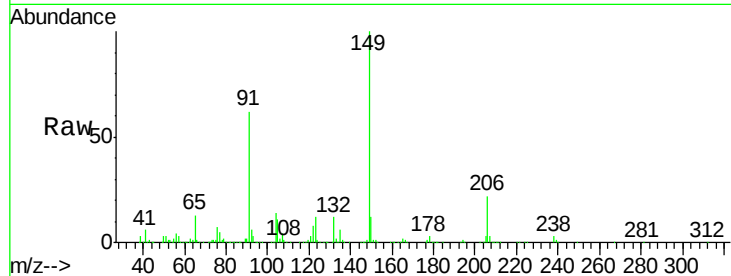
Instrument :

BNA_F

ClientSampleId :

SP-4MSD

Tgt Ion:	149	Resp:	495475
Ion Ratio	Lower	Upper	
149	100		
91	62.4	56.8	85.2
206	21.7	14.1	21.1#



#80

Benzo(a)anthracene

Concen: 42.896 ng

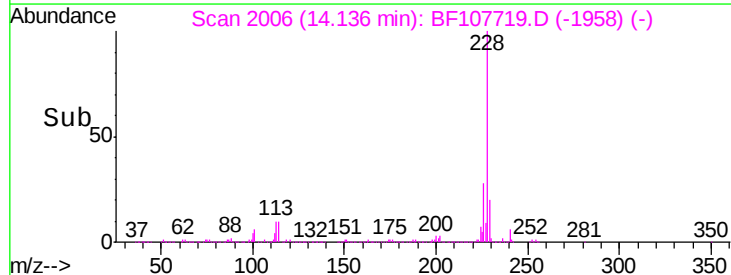
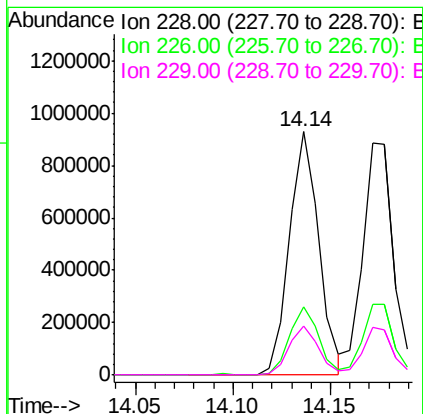
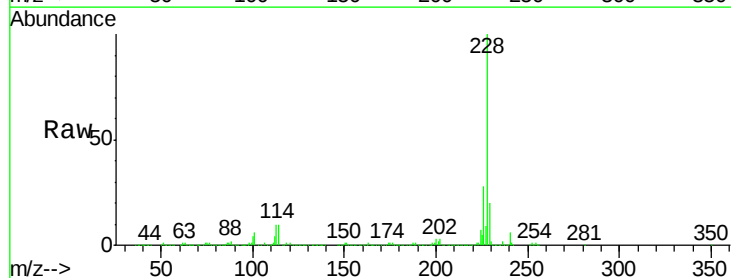
RT: 14.14 min Scan# 2006

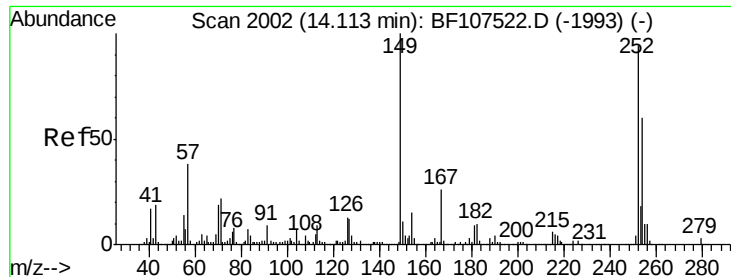
Delta R.T. -0.02 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

Tgt Ion:	228	Resp:	971709
Ion Ratio	Lower	Upper	
228	100		
226	28.1	22.6	33.8
229	20.0	15.8	23.6

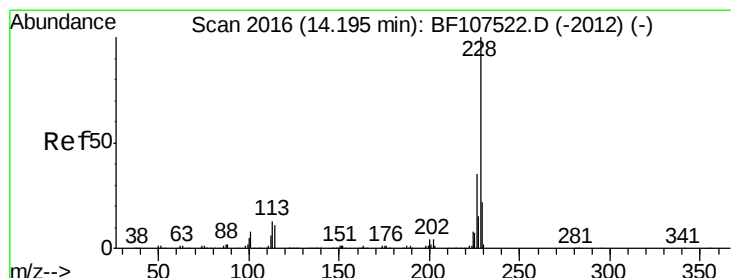
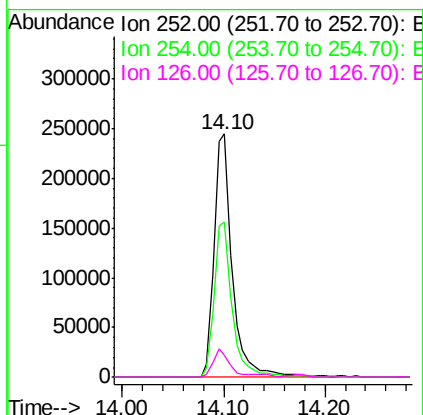
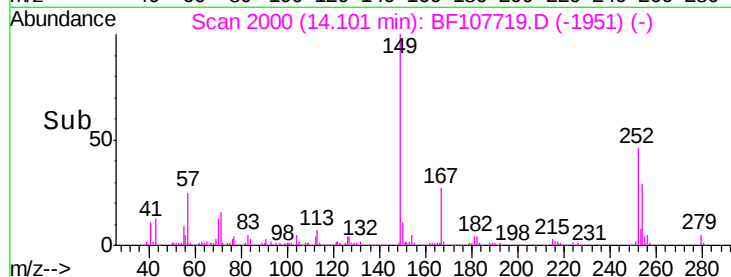
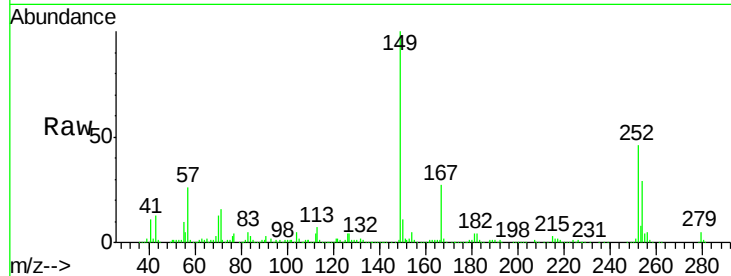




#81
 3,3'-Dichlorobenzidine
 Concen: 46.011 ng
 RT: 14.10 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF107719.D
 Acq: 27 Jul 2018 00:04

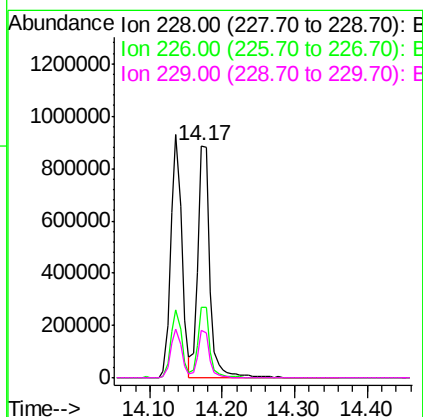
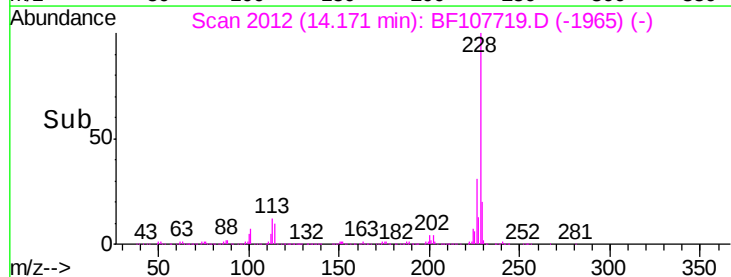
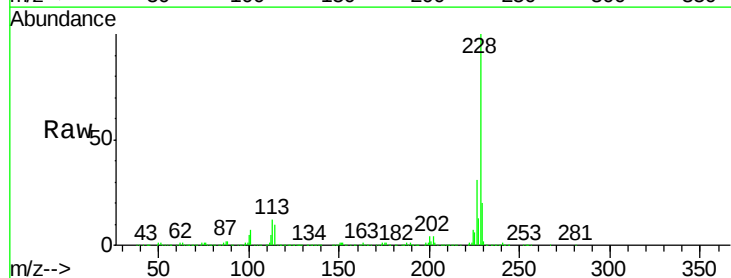
Instrument :
 BNA_F
 ClientSampleId :
 SP-4MSD

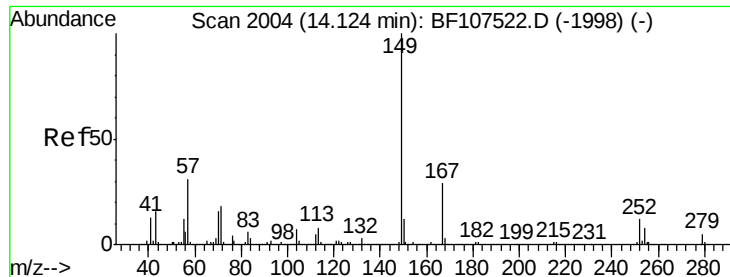
Tgt Ion:252 Resp: 306843
 Ion Ratio Lower Upper
 252 100
 254 63.7 50.4 75.6
 126 9.1 11.3 16.9#



#82
 Chrysene
 Concen: 47.193 ng
 RT: 14.17 min Scan# 2012
 Delta R.T. -0.02 min
 Lab File: BF107719.D
 Acq: 27 Jul 2018 00:04

Tgt Ion:228 Resp: 1026920
 Ion Ratio Lower Upper
 228 100
 226 30.6 25.0 37.6
 229 20.3 16.2 24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 40.504 ng

RT: 14.09 min Scan# 1999

Delta R.T. -0.03 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

Instrument :

BNA_F

ClientSampleId :

SP-4MSD

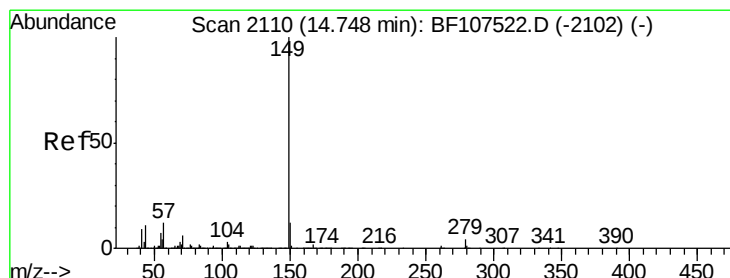
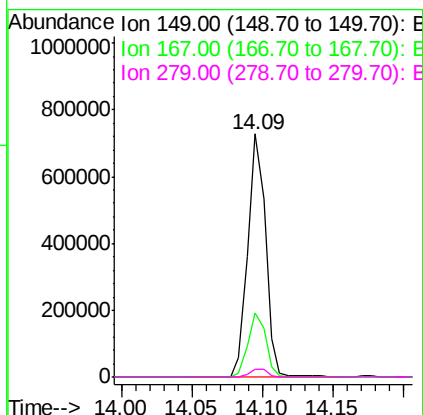
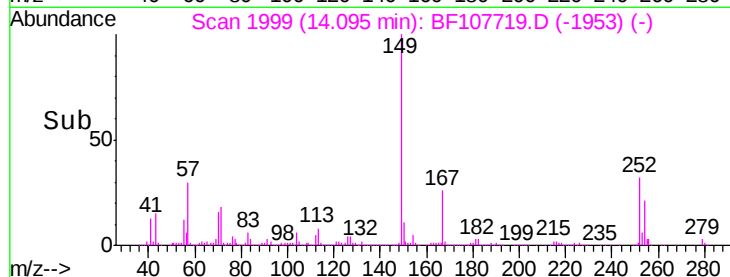
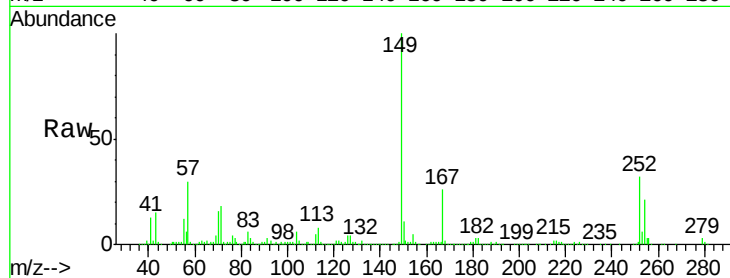
Tgt Ion:149 Resp: 649861

Ion Ratio Lower Upper

149 100

167 26.3 21.3 31.9

279 3.3 3.0 4.4



#84

Di-n-octyl phthalate

Concen: 46.986 ng

RT: 14.72 min Scan# 2105

Delta R.T. -0.03 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

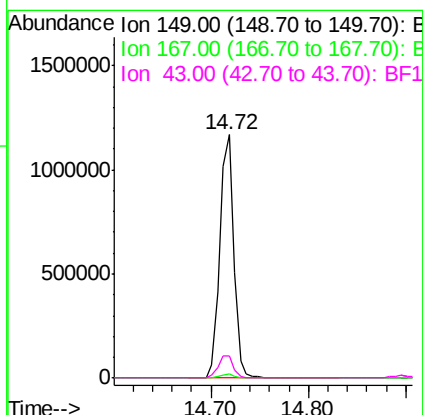
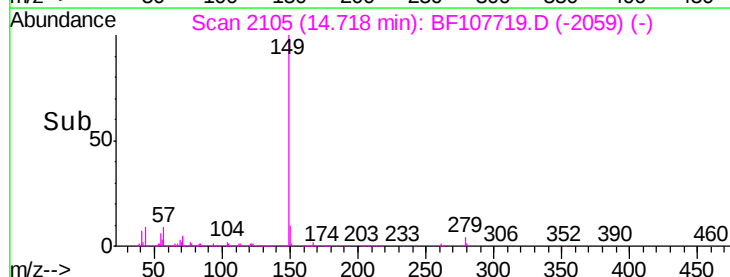
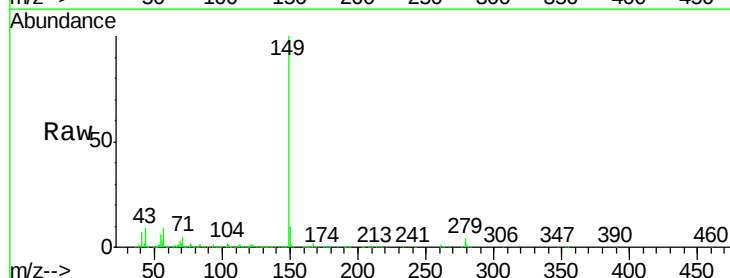
Tgt Ion:149 Resp: 1171766

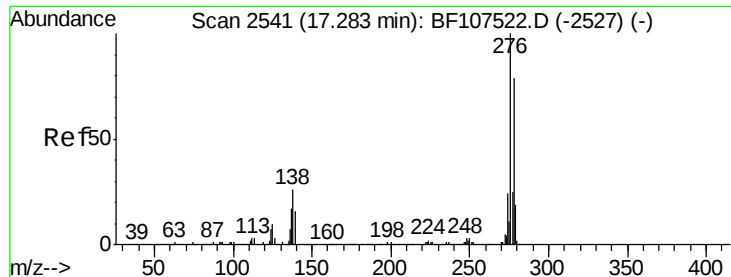
Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 9.5 8.4 12.6

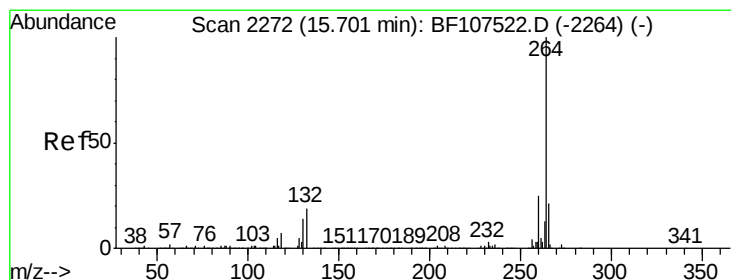
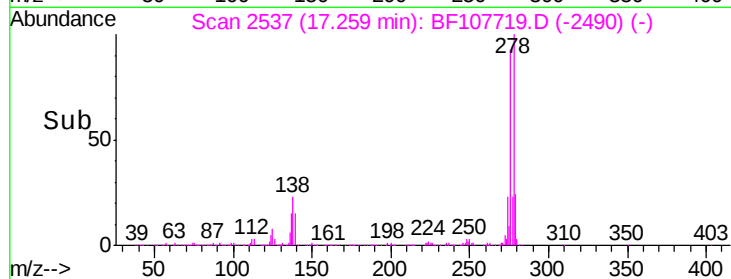
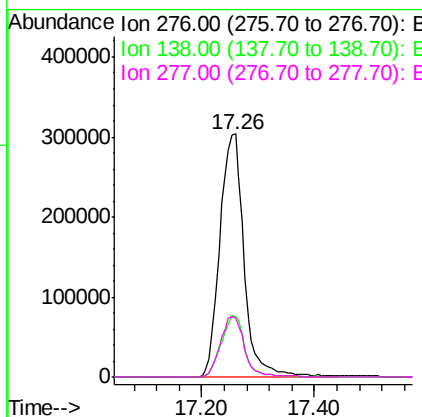
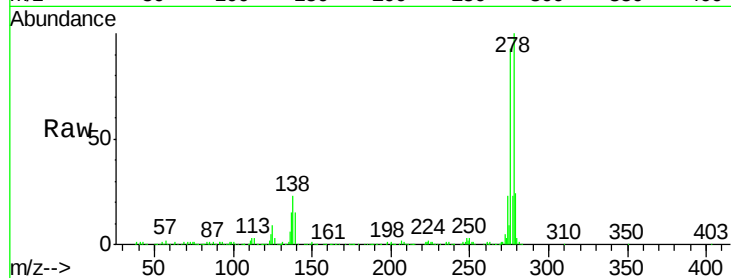




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 49.503 ng
 RT: 17.26 min Scan# 2537
 Delta R.T. -0.02 min
 Lab File: BF107719.D
 Acq: 27 Jul 2018 00:04

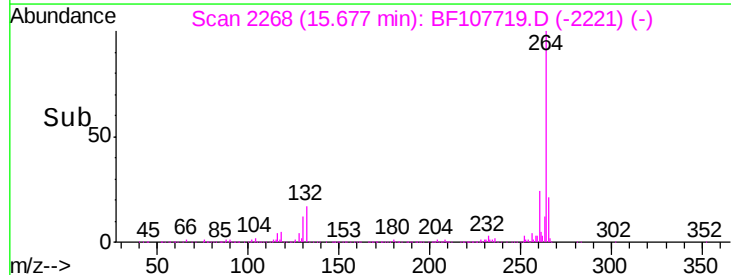
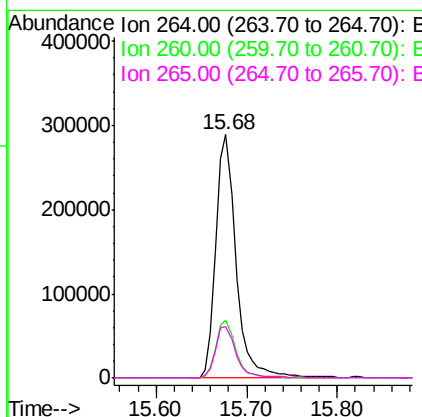
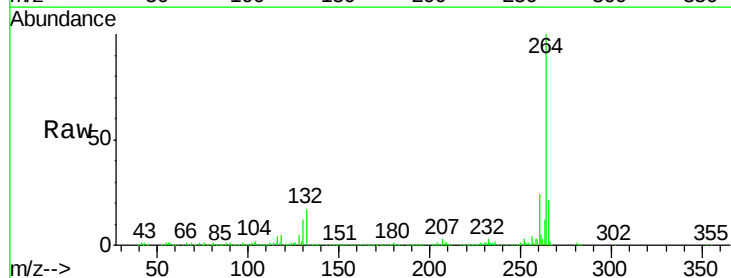
Instrument :
 BNA_F
 ClientSampleId :
 SP-4MSD

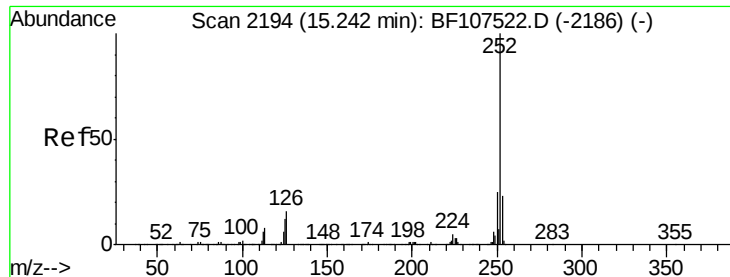
Tgt Ion:276 Resp: 912962
 Ion Ratio Lower Upper
 276 100
 138 25.0 25.0 37.6#
 277 24.9 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2268
 Delta R.T. -0.02 min
 Lab File: BF107719.D
 Acq: 27 Jul 2018 00:04

Tgt Ion:264 Resp: 450096
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.2 28.8
 265 21.3 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 42.162 ng

RT: 15.22 min Scan# 2190

Delta R.T. -0.02 min

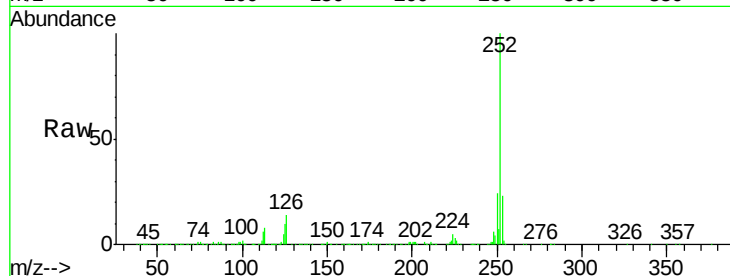
Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

Instrument :
BNA_F
ClientSampleId :
SP-4MSD

Tgt Ion:252 Resp: 1038586

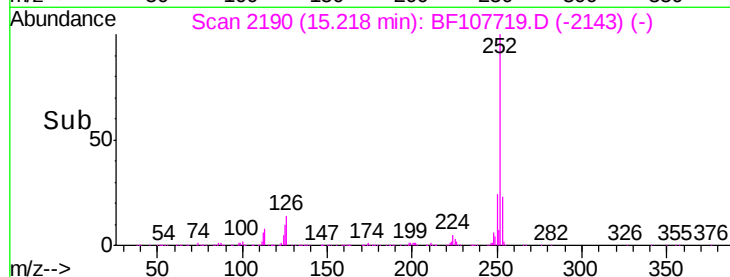
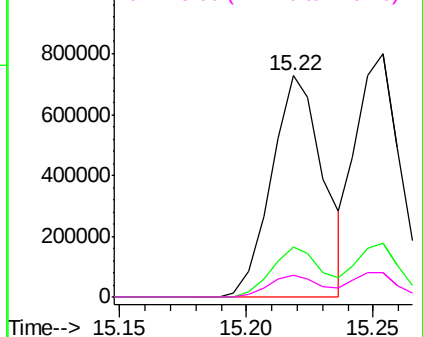
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	10.2	9.0	13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 43.406 ng

RT: 15.25 min Scan# 2196

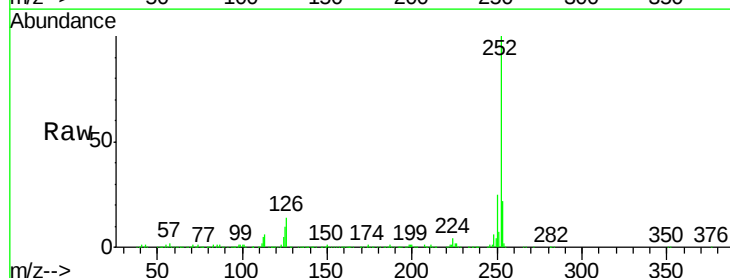
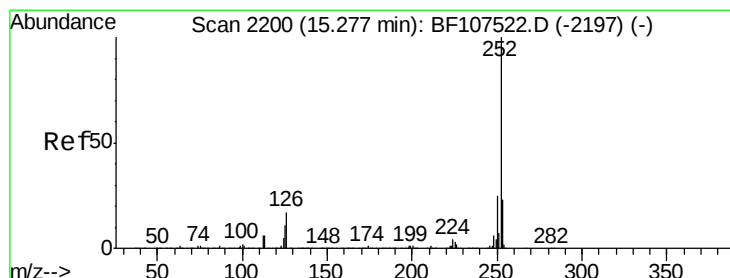
Delta R.T. -0.02 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

Tgt Ion:252 Resp: 1047555

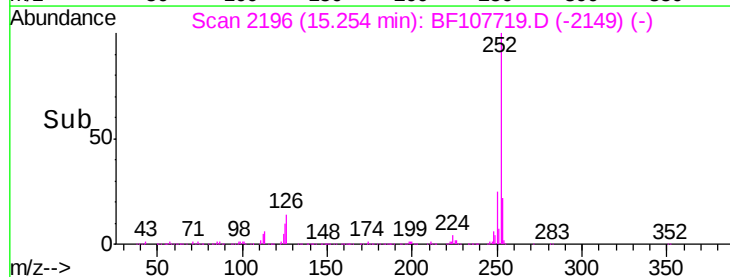
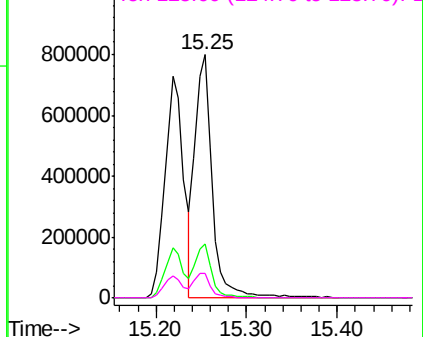
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	10.0	10.2	15.2#

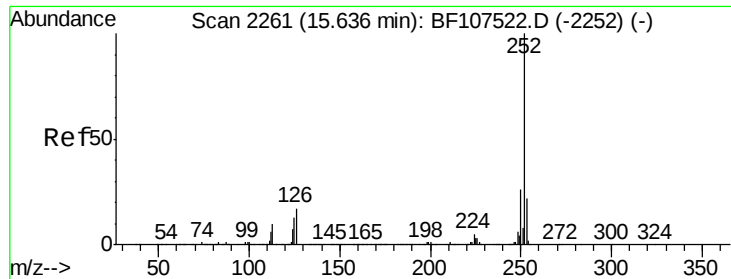


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 45.888 ng

RT: 15.61 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

Instrument :

BNA_F

ClientSampleId :

SP-4MSD

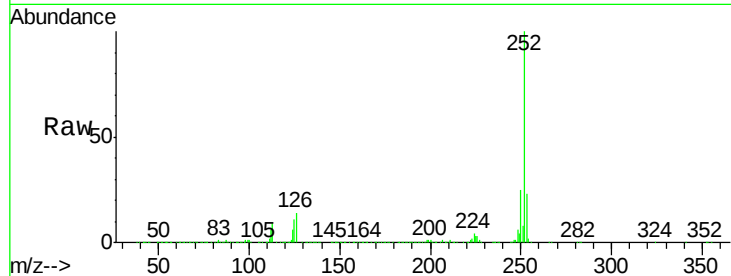
Tgt Ion:252 Resp: 1033992

Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

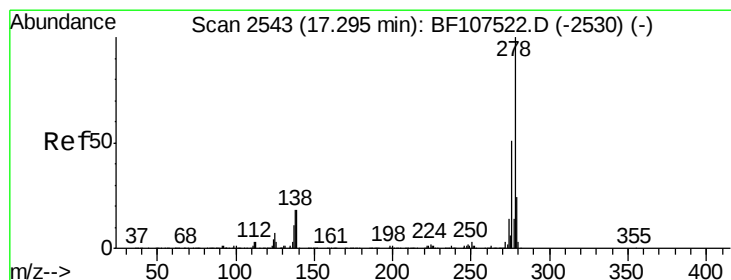
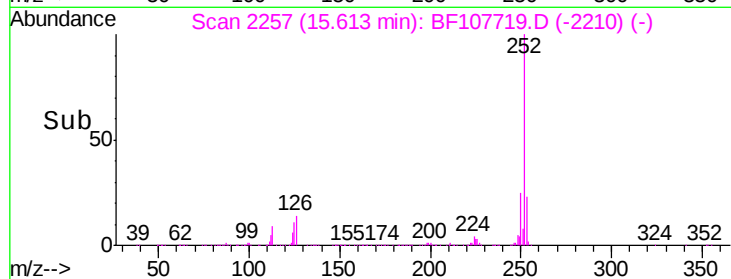
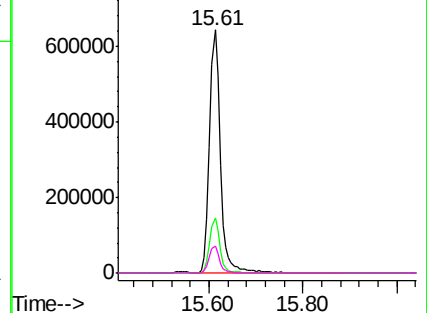
125 11.0 9.8 14.6



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



#90

Dibenzo(a,h)anthracene

Concen: 40.068 ng

RT: 17.27 min Scan# 2538

Delta R.T. -0.03 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

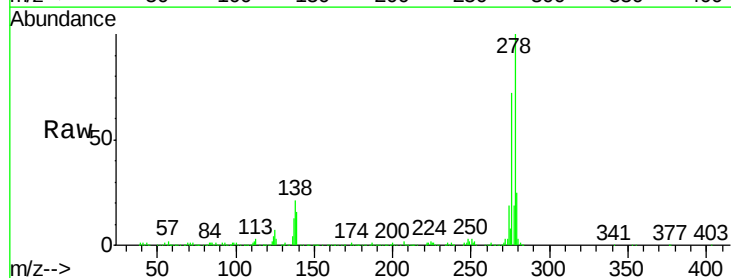
Tgt Ion:278 Resp: 780437

Ion Ratio Lower Upper

278 100

139 16.3 15.9 23.9

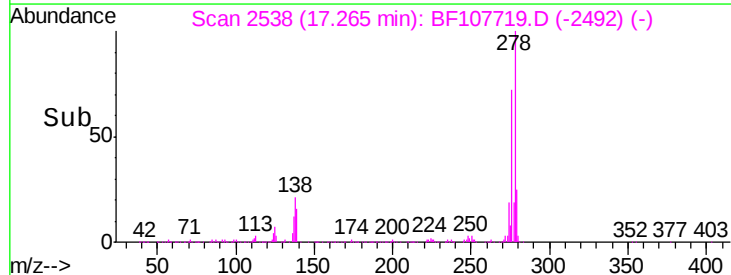
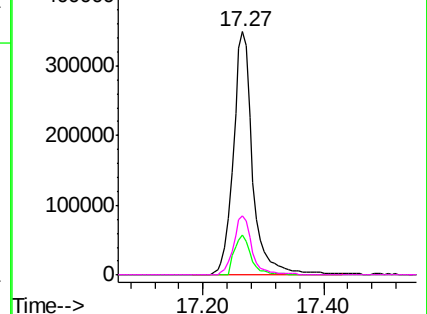
279 24.6 19.0 28.4

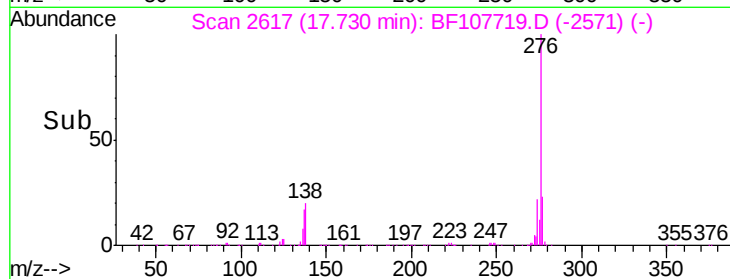
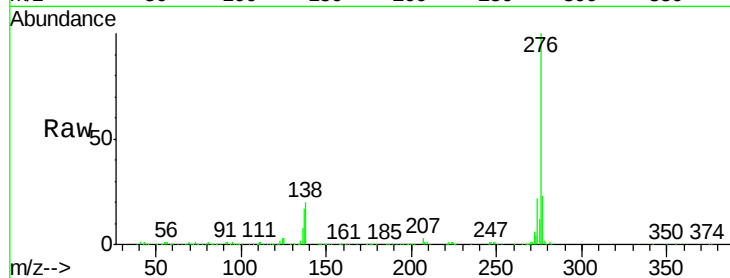
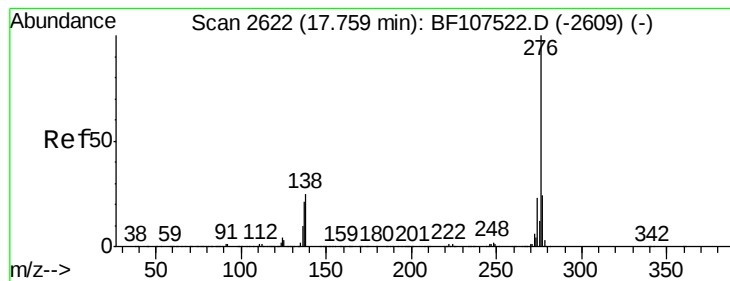


Abundance Ion 278.00 (277.70 to 278.70): E

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: 35.923 ng

RT: 17.73 min Scan# 2617

Delta R.T. -0.03 min

Lab File: BF107719.D

Acq: 27 Jul 2018 00:04

Instrument :

BNA_F

ClientSampleId :

SP-4MSD

Tgt Ion:276 Resp: 690177

Ion Ratio Lower Upper

276 100

277 23.2 17.9 26.9

138 19.9 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

