

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071718\
 Data File : BF107447.D
 Acq On : 17 Jul 2018 14:16
 Operator : JU/SJ
 Sample : J3545-05DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-IDL

Quant Time: Jul 17 14:57:15 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 17 11:29:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	132967	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	516838	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	226016	20.00	ng	0.00
63) Phenanthrene-d10	11.53	188	487298	20.00	ng	0.00
75) Chrysene-d12	14.18	240	380746	20.00	ng	0.00
86) Perylene-d12	15.72	264	352414	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	138134	15.78	ng	0.00
7) Phenol-d6	6.63	99	113980	10.07	ng	0.02
23) Nitrobenzene-d5	7.55	82	269336	27.79	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	75021	37.78	ng	0.01
44) 2-Fluorobiphenyl	9.35	172	394860	20.96	ng	0.00
78) Terphenyl-d14	13.11	244	397384	25.93	ng	0.00

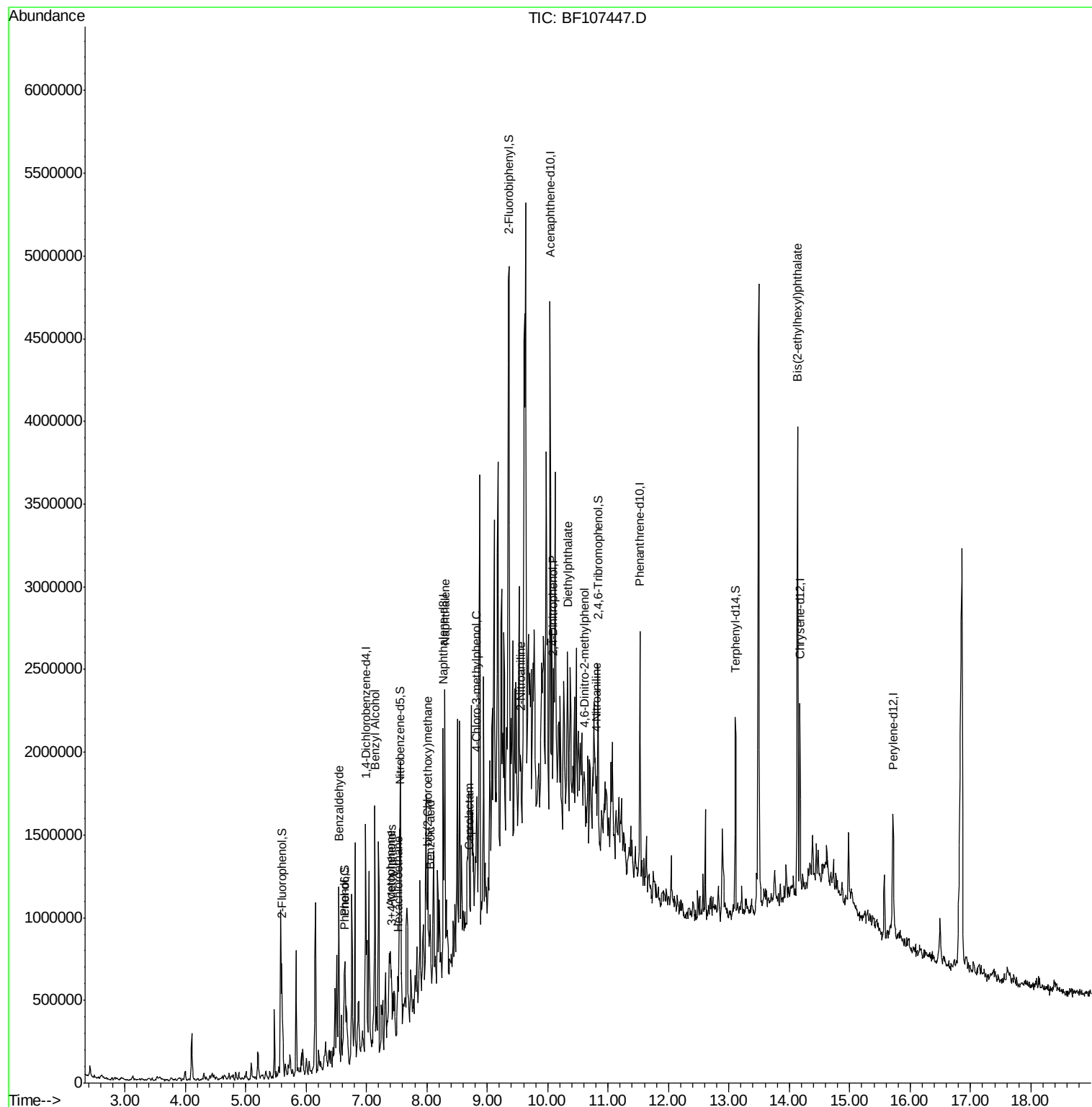
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.54	77	53546	5.880	ng	# 19
10) Phenol	6.64	94	257805	21.244	ng	# 83
15) Benzyl Alcohol	7.13	79	46028	4.049	ng	# 72
18) Hexachloroethane	7.51	117	12234	3.086	ng	# 1
20) 3+4-Methylphenols	7.41	107	90677	8.479	ng	# 74
22) Acetophenone	7.39	105	42691	3.006	ng	# 54
28) bis(2-Chloroethoxy)methane	8.02	93	52441	4.359	ng	# 93
31) Naphthalene	8.30	128	70202	2.796	ng	# 83
32) Benzoic acid	8.06	122	59824	12.625	ng	# 65
35) Caprolactam	8.71	113	9460	3.619	ng	# 21
36) 4-Chloro-3-methylphenol	8.83	107	78277	7.456	ng	# 31
47) 2-Nitroaniline	9.55	65	10157	2.150	ng	# 23
53) 2,4-Dinitrophenol	10.09	184	1852	4.466	ng	# 1
59) Diethylphthalate	10.32	149	74043	4.244	ng	# 93
61) 4-Nitroaniline	10.81	138	7288	2.128	ng	# 95
64) 4,6-Dinitro-2-methylphenol	10.61	198	708	7.718	ng	# 1
83) Bis(2-ethylhexyl)phthalate	14.14	149	561965	41.581	ng	# 96

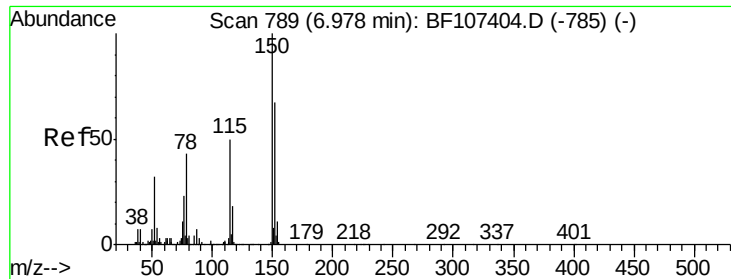
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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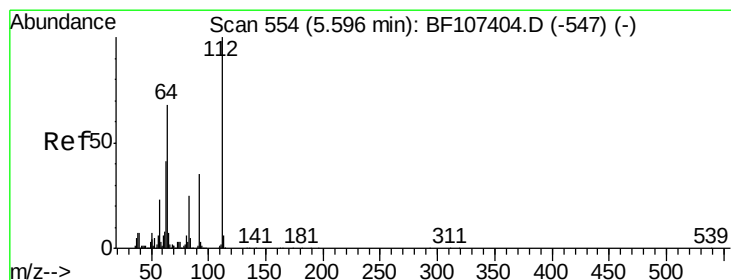
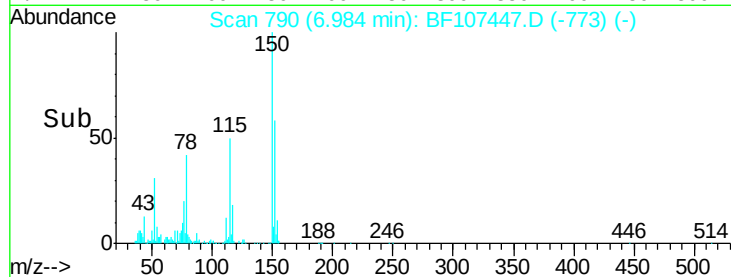
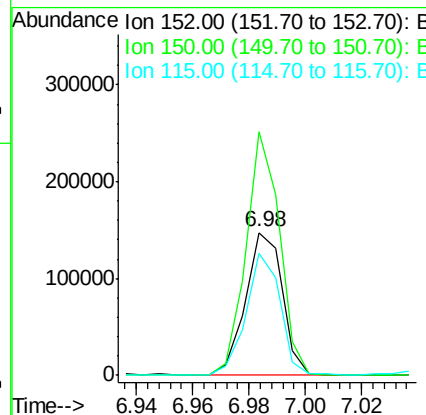
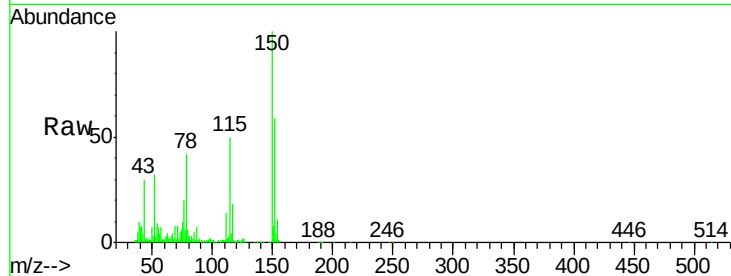


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF107447.D
Acq: 17 Jul 2018 14:16

Instrument :
BNA_F
ClientSampleId :
DRUM-IDL

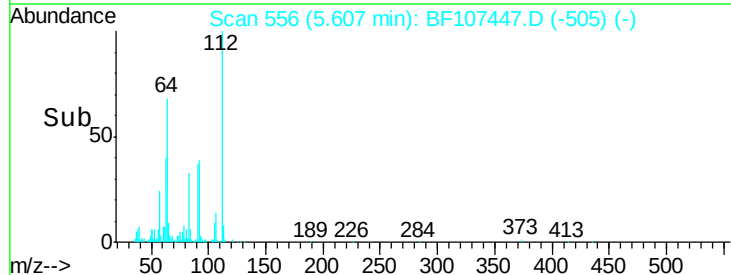
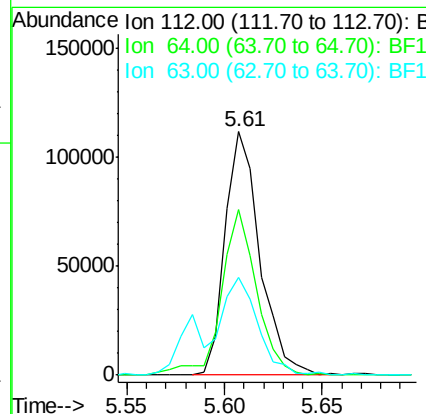
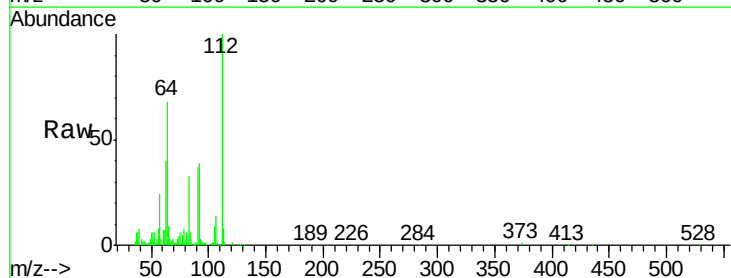
Tgt Ion:152 Resp: 132967
Ion Ratio Lower Upper
152 100
150 170.8 124.6 186.8
115 85.5 50.1 75.1#

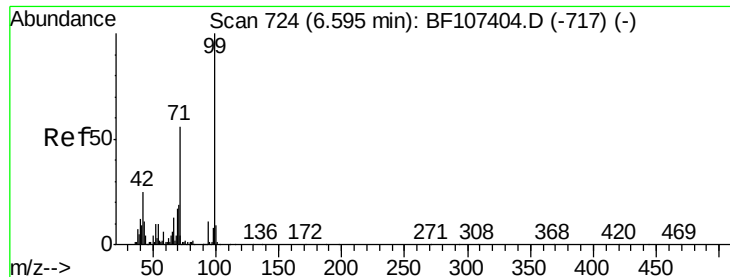


#5

2-Fluorophenol
Concen: 15.778 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF107447.D
Acq: 17 Jul 2018 14:16

Tgt Ion:112 Resp: 138134
Ion Ratio Lower Upper
112 100
64 68.0 47.9 71.9
63 39.9 23.7 35.5#





#7

Phenol-d6

Concen: 10.070 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.02 min

Lab File: BF107447.D

Acq: 17 Jul 2018 14:16

Instrument :

BNA_F

ClientSampleId :

DRUM-1DL

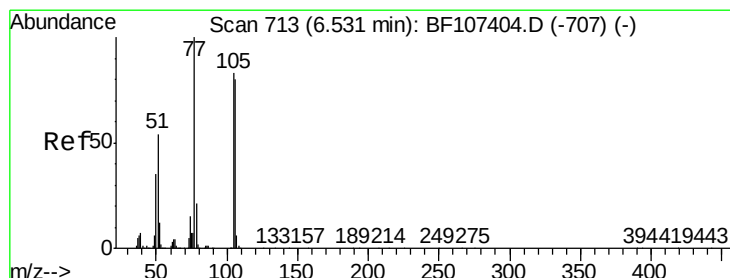
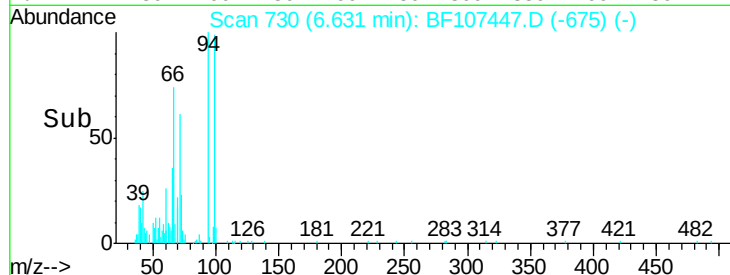
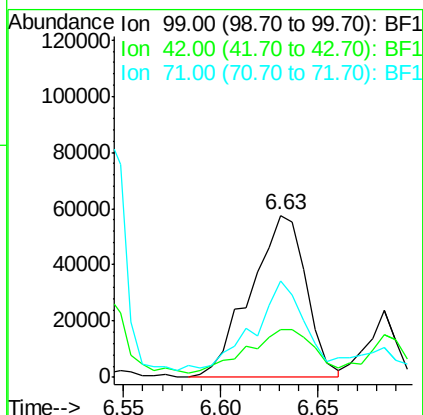
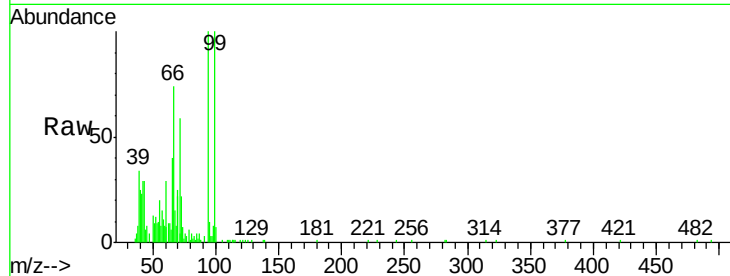
Tgt Ion: 99 Resp: 113980

Ion Ratio Lower Upper

99 100

42 29.3 14.5 21.7#

71 59.6 25.4 38.0#



#9

Benzaldehyde

Concen: 5.880 ng

RT: 6.54 min Scan# 715

Delta R.T. 0.00 min

Lab File: BF107447.D

Acq: 17 Jul 2018 14:16

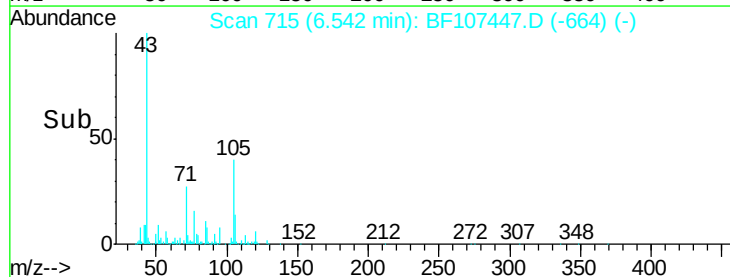
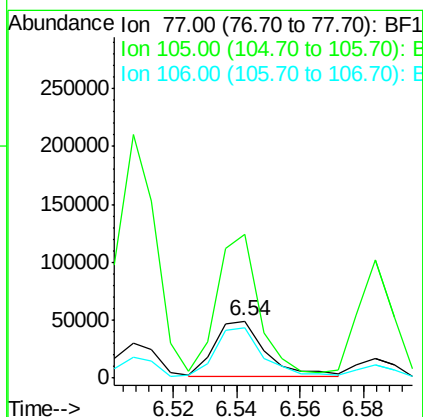
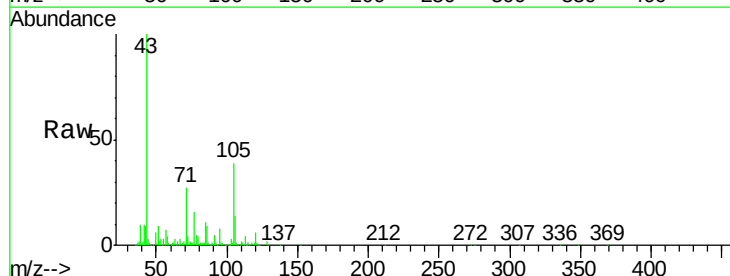
Tgt Ion: 77 Resp: 53546

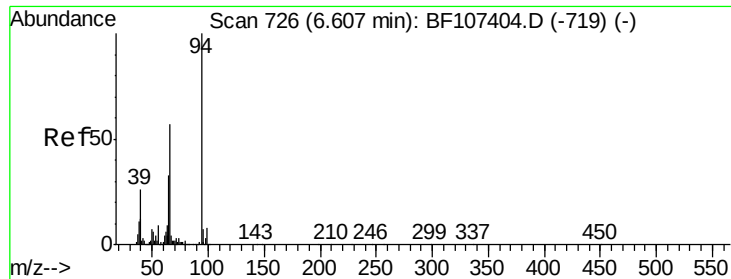
Ion Ratio Lower Upper

77 100

105 251.7 81.1 121.1#

106 87.1 74.5 114.5





#10

Phenol

Concen: 21.244 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.02 min

Lab File: BF107447.D

Acq: 17 Jul 2018 14:16

Instrument :

BNA_F

ClientSampleId :

DRUM-1DL

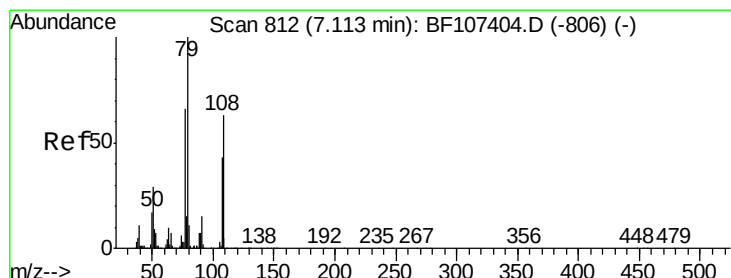
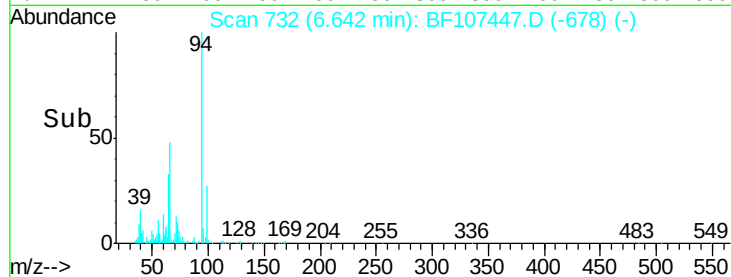
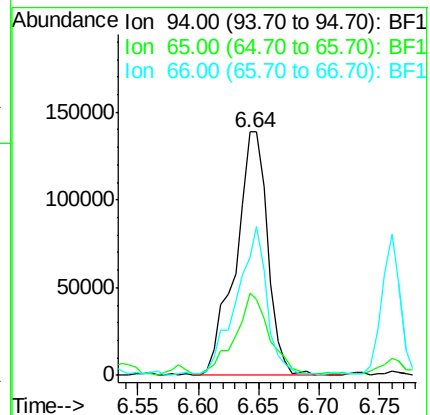
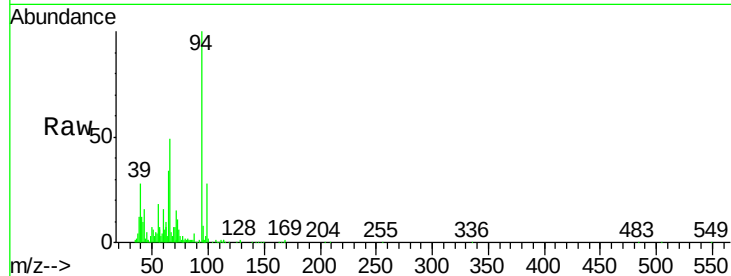
Tgt Ion: 94 Resp: 257805

Ion Ratio Lower Upper

94 100

65 33.7 7.9 47.9

66 48.8 16.2 56.2



#15

Benzyl Alcohol

Concen: 4.049 ng

RT: 7.13 min Scan# 815

Delta R.T. 0.01 min

Lab File: BF107447.D

Acq: 17 Jul 2018 14:16

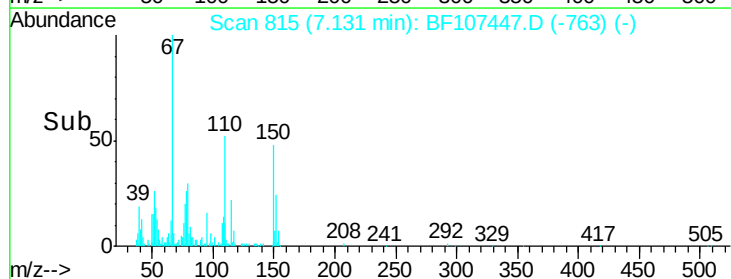
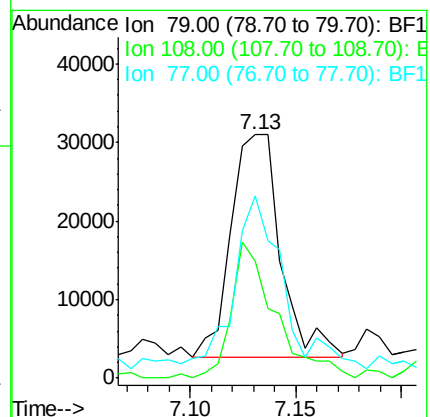
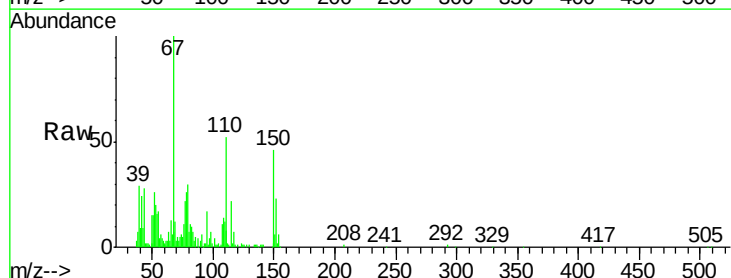
Tgt Ion: 79 Resp: 46028

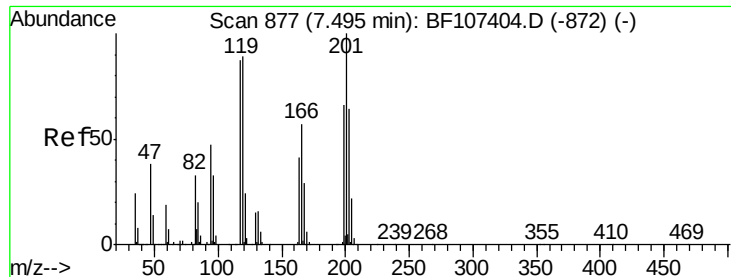
Ion Ratio Lower Upper

79 100

108 48.0 65.1 97.7#

77 74.7 50.6 75.8





#18

Hexachloroethane

Concen: 3.086 ng

RT: 7.51 min Scan# 880

Delta R.T. 0.01 min

Lab File: BF107447.D

Acq: 17 Jul 2018 14:16

Instrument :

BNA_F

ClientSampled :

DRUM-1DL

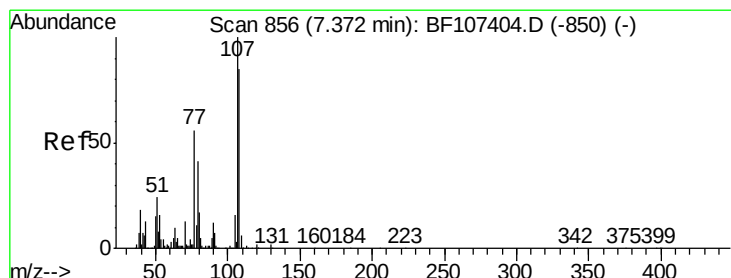
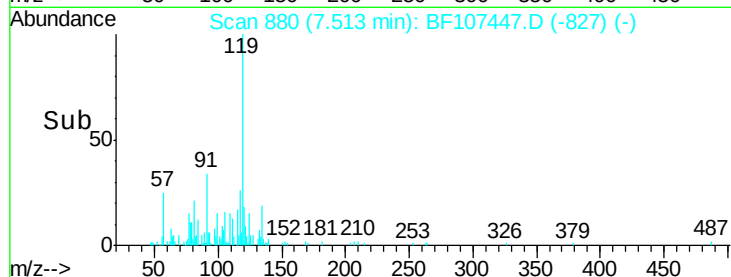
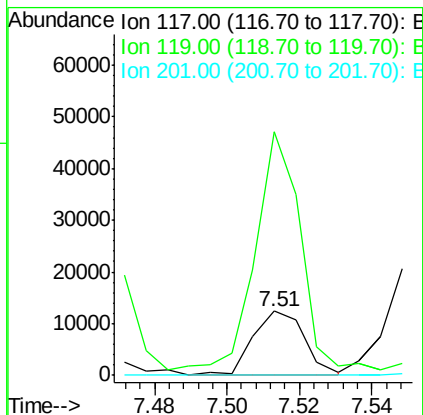
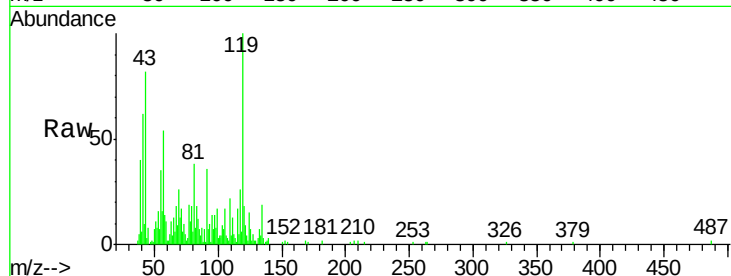
Tgt Ion:117 Resp: 12234

Ion Ratio Lower Upper

117 100

119 380.3 75.8 113.8#

201 0.0 75.7 113.5#



#20

3+4-Methylphenols

Concen: 8.479 ng

RT: 7.41 min Scan# 863

Delta R.T. 0.03 min

Lab File: BF107447.D

Acq: 17 Jul 2018 14:16

Tgt Ion:107 Resp: 90677

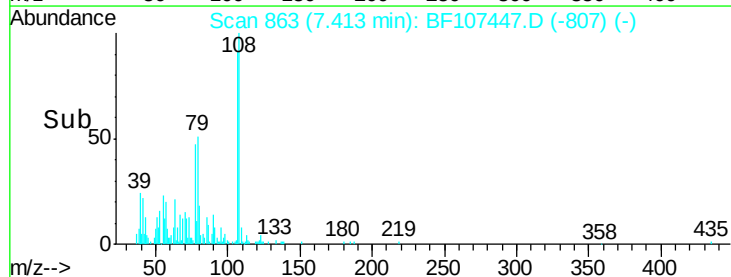
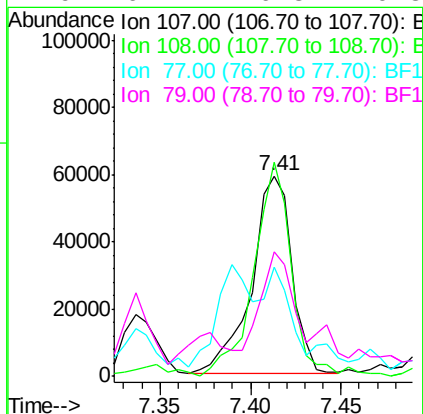
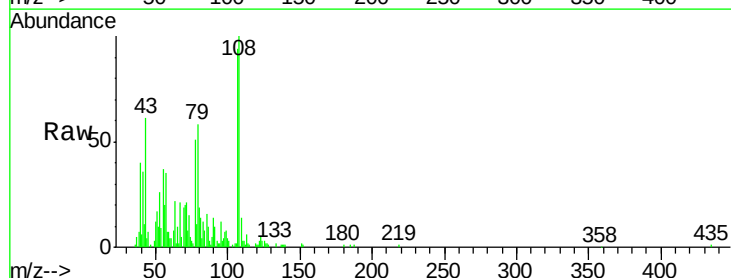
Ion Ratio Lower Upper

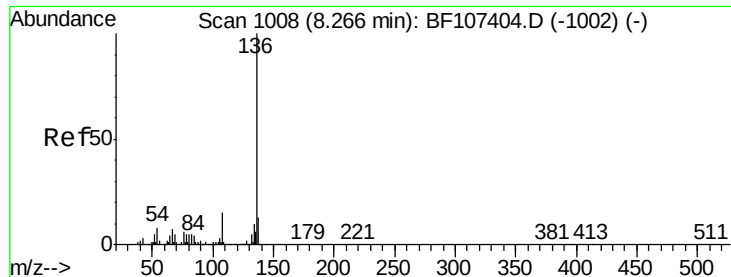
107 100

108 106.9 68.2 108.2

77 54.4 26.7 66.7

79 62.4 6.3 46.3#

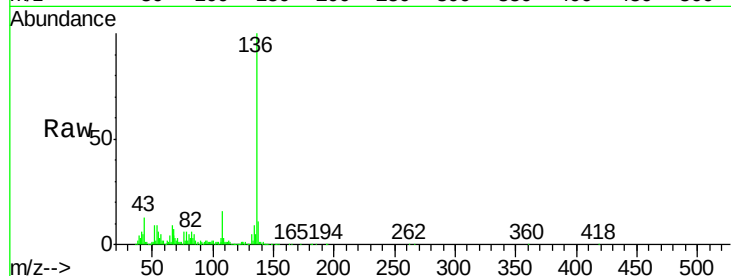




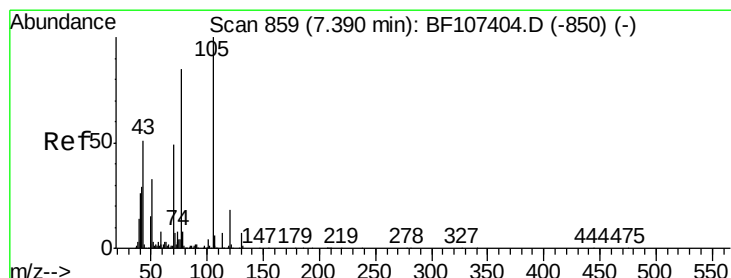
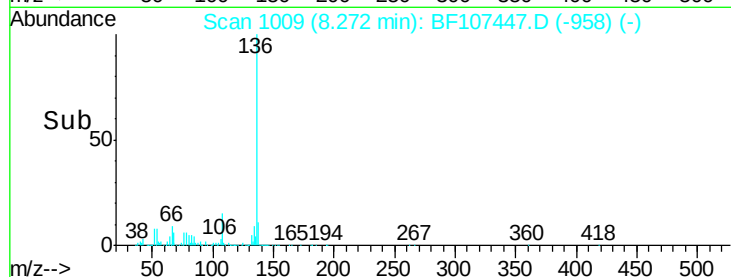
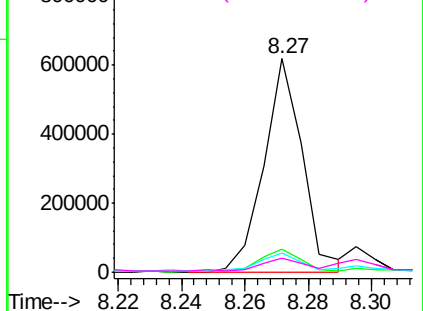
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.27 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF107447.D
Acq: 17 Jul 2018 14:16

Instrument :
BNA_F
ClientSampleId :
DRUM-1DL

Tgt Ion:	136	Resp:	516838
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.8	6.6	9.8
68	6.9	5.0	7.4

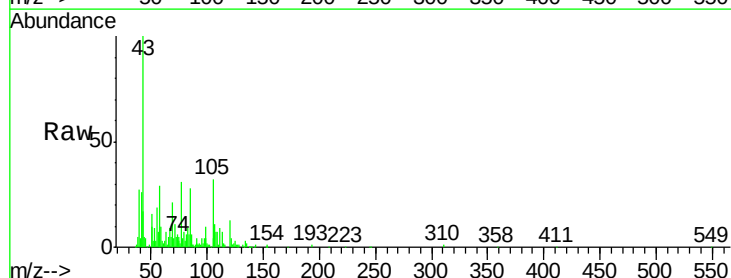


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

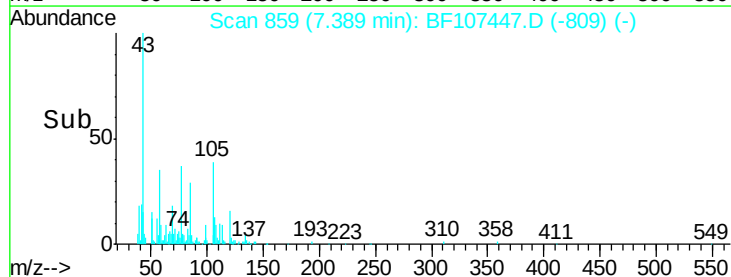
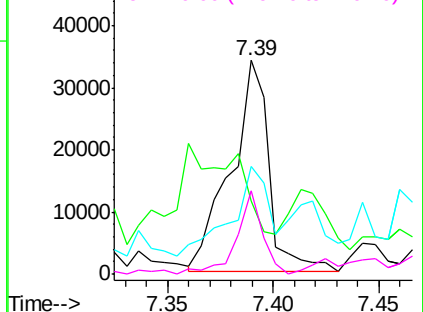


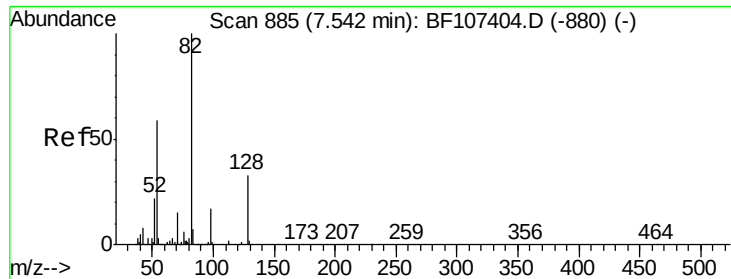
#22
Acetophenone
Concen: 3.006 ng
RT: 7.39 min Scan# 859
Delta R.T. -0.01 min
Lab File: BF107447.D
Acq: 17 Jul 2018 14:16

Tgt Ion:	105	Resp:	42691
Ion	Ratio	Lower	Upper
105	100		
71	34.0	4.4	6.6#
51	50.4	22.3	33.5#
120	39.2	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

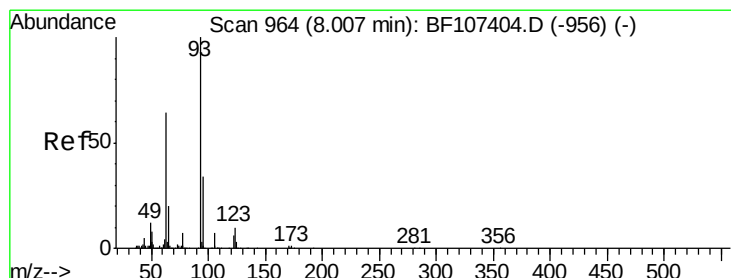
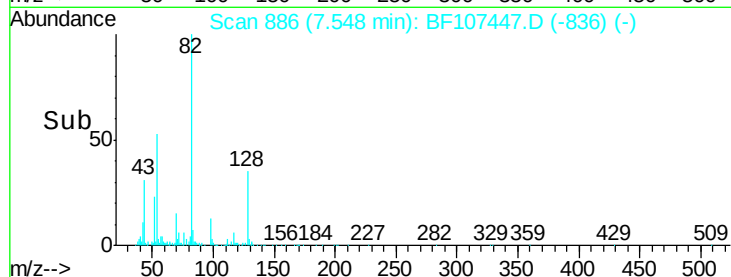
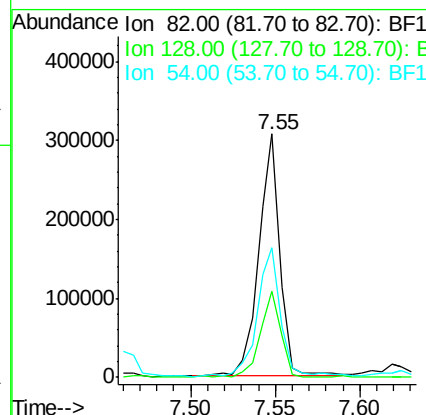
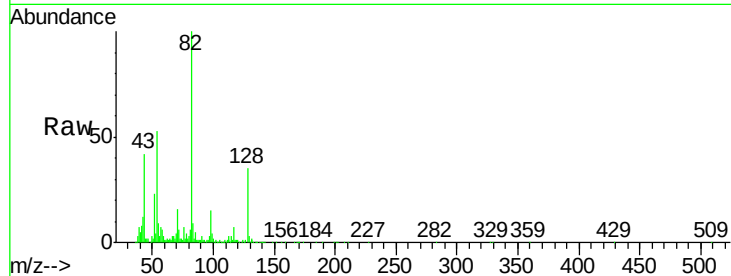




#23
 Nitrobenzene-d5
 Concen: 27.788 ng
 RT: 7.55 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BF107447.D
 Acq: 17 Jul 2018 14:16

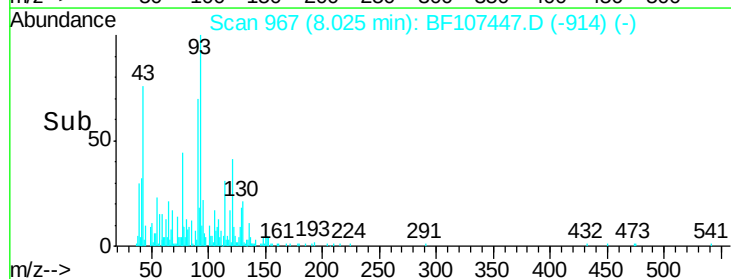
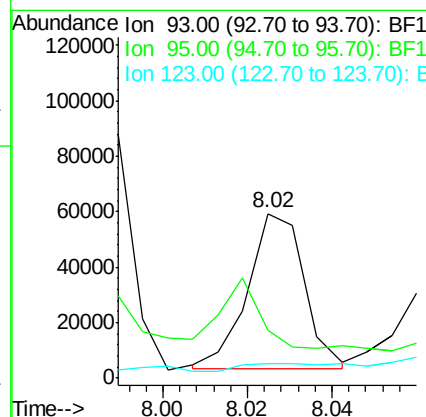
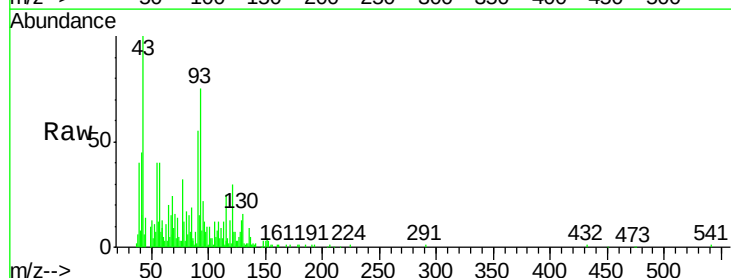
Instrument :
 BNA_F
 ClientSampleId :
 DRUM-1DL

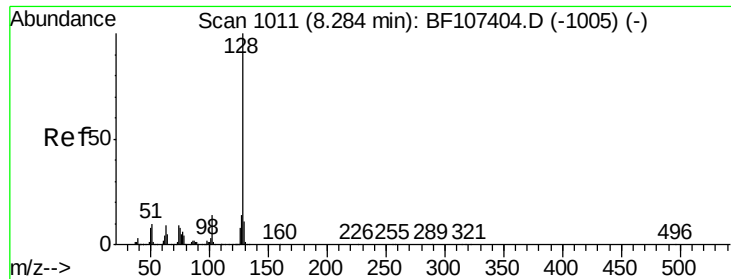
Tgt Ion: 82 Resp: 269336
 Ion Ratio Lower Upper
 82 100
 128 35.2 36.1 54.1#
 54 53.3 41.4 62.2



#28
 bis(2-Chloroethoxy)methane
 Concen: 4.359 ng
 RT: 8.02 min Scan# 967
 Delta R.T. 0.01 min
 Lab File: BF107447.D
 Acq: 17 Jul 2018 14:16

Tgt Ion: 93 Resp: 52441
 Ion Ratio Lower Upper
 93 100
 95 28.8 26.3 39.5
 123 9.2 9.8 14.6#

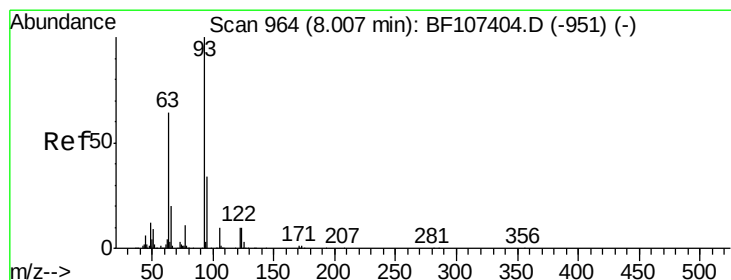
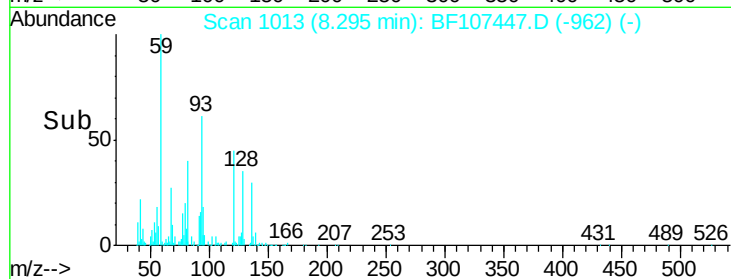
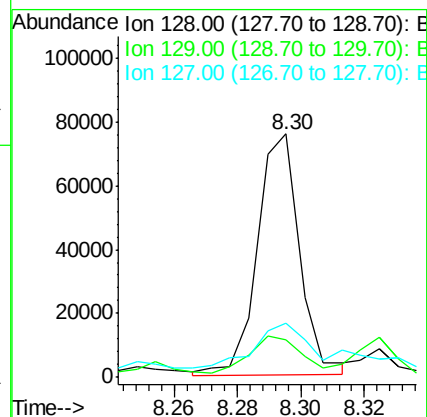
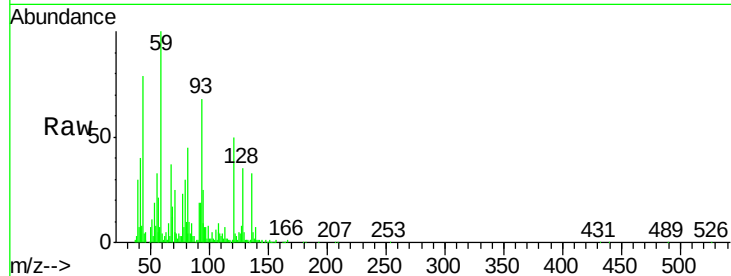




#31
Naphthalene
Concen: 2.796 ng
RT: 8.30 min Scan# 1013
Delta R.T. 0.00 min
Lab File: BF107447.D
Acq: 17 Jul 2018 14:16

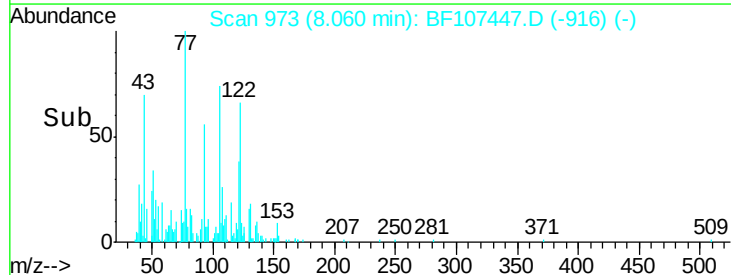
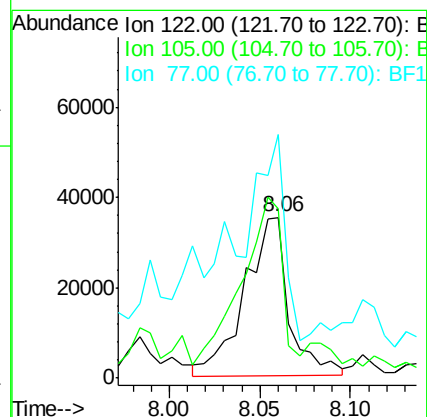
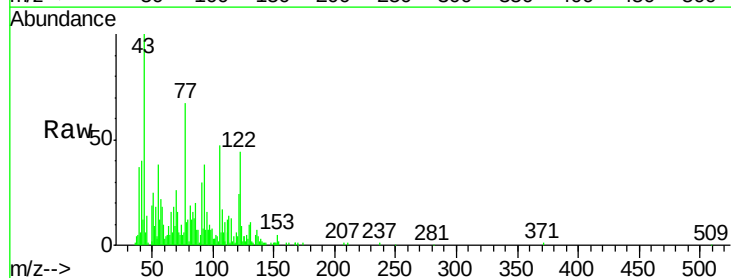
Instrument :
BNA_F
ClientSampleId :
DRUM-1DL

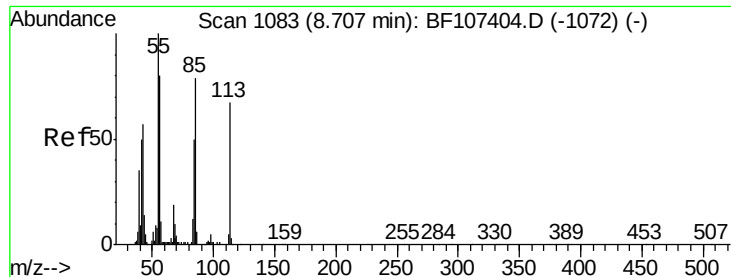
Tgt Ion:128 Resp: 70202
Ion Ratio Lower Upper
128 100
129 15.4 8.8 13.2#
127 22.1 10.9 16.3#



#32
Benzoic acid
Concen: 12.625 ng
RT: 8.06 min Scan# 973
Delta R.T. 0.04 min
Lab File: BF107447.D
Acq: 17 Jul 2018 14:16

Tgt Ion:122 Resp: 59824
Ion Ratio Lower Upper
122 100
105 105.6 101.1 141.1
77 151.5 70.7 110.7#

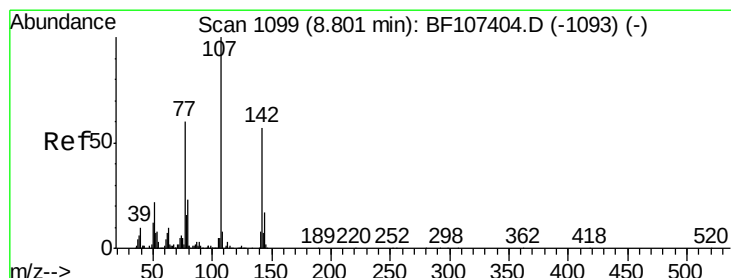
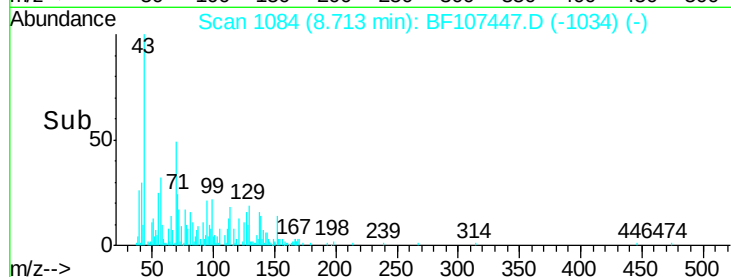
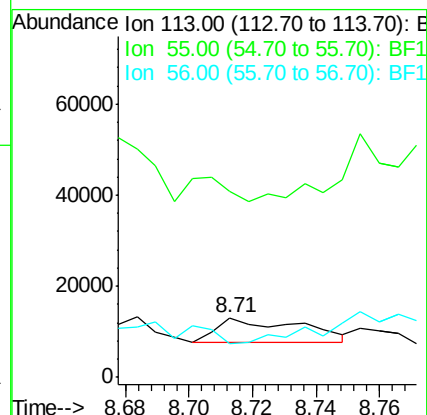
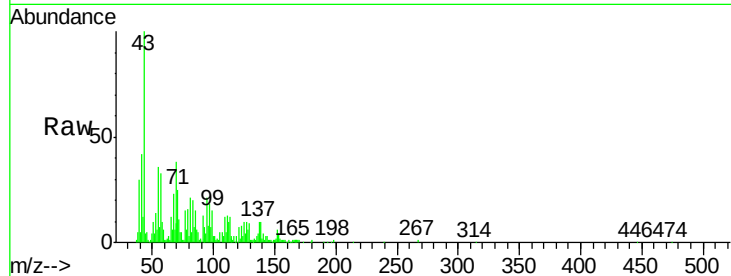




#35
 Caprolactam
 Concen: 3.619 ng
 RT: 8.71 min Scan# 1084
 Delta R.T. -0.01 min
 Lab File: BF107447.D
 Acq: 17 Jul 2018 14:16

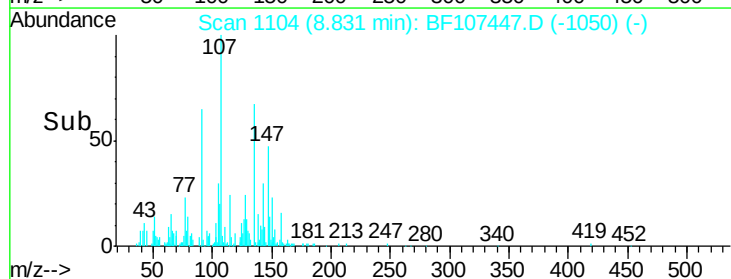
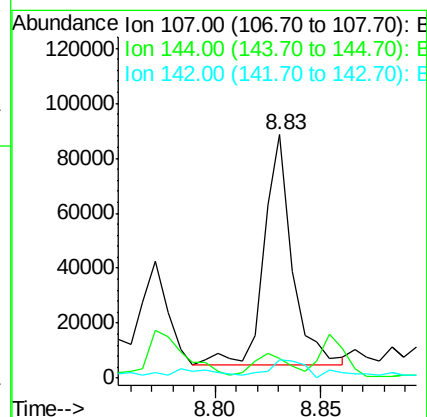
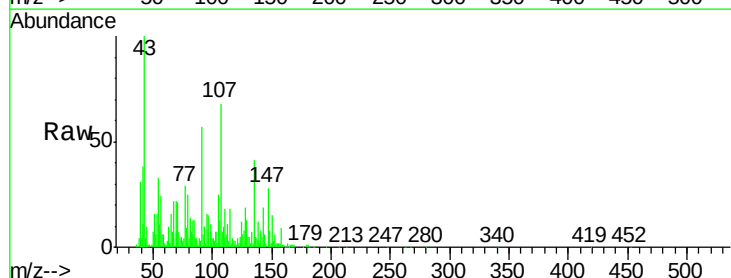
Instrument :
 BNA_F
 ClientSampleId :
 DRUM-1DL

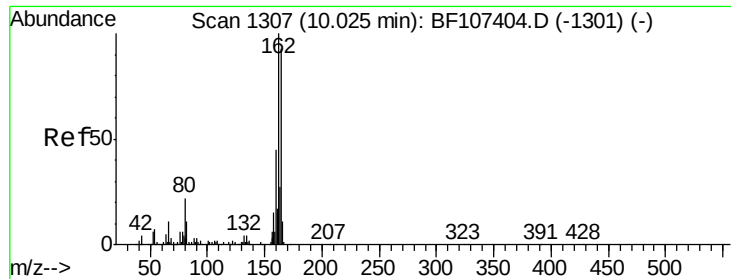
Tgt Ion:113 Resp: 9460
 Ion Ratio Lower Upper
 113 100
 55 310.0 163.3 203.3#
 56 56.8 115.7 155.7#



#36
 4-Chloro-3-methylphenol
 Concen: 7.456 ng
 RT: 8.83 min Scan# 1104
 Delta R.T. 0.02 min
 Lab File: BF107447.D
 Acq: 17 Jul 2018 14:16

Tgt Ion:107 Resp: 78277
 Ion Ratio Lower Upper
 107 100
 144 8.2 20.5 30.7#
 142 7.4 62.0 93.0#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.04 min Scan# 1309

Delta R.T. 0.01 min

Lab File: BF107447.D

Acq: 17 Jul 2018 14:16

Instrument :

BNA_F

ClientSampleId :

DRUM-1DL

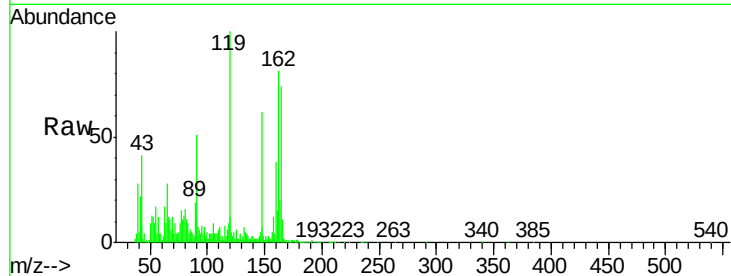
Tgt Ion:164 Resp: 226016

Ion Ratio Lower Upper

164 100

162 110.1 86.1 129.1

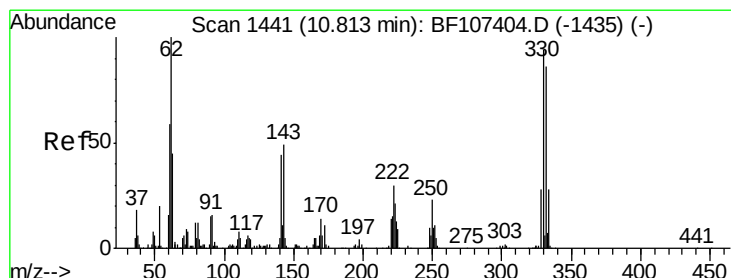
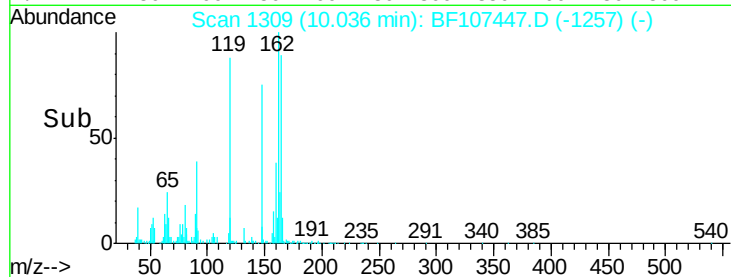
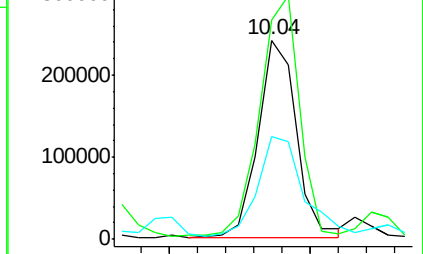
160 51.8 38.3 57.5



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



#41

2,4,6-Tribromophenol

Concen: 37.778 ng

RT: 10.84 min Scan# 1445

Delta R.T. 0.01 min

Lab File: BF107447.D

Acq: 17 Jul 2018 14:16

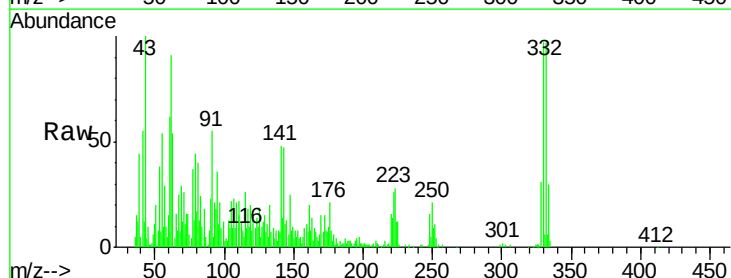
Tgt Ion:330 Resp: 75021

Ion Ratio Lower Upper

330 100

332 90.5 77.0 115.6

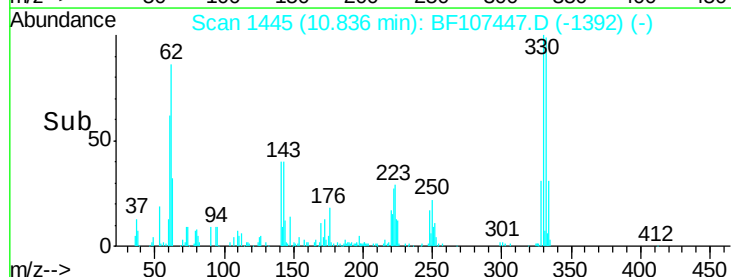
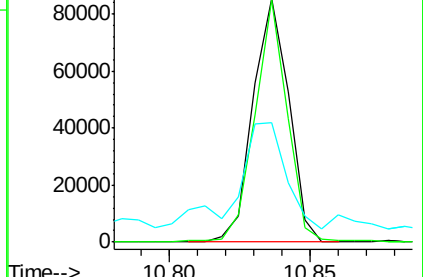
141 59.2 29.9 44.9#

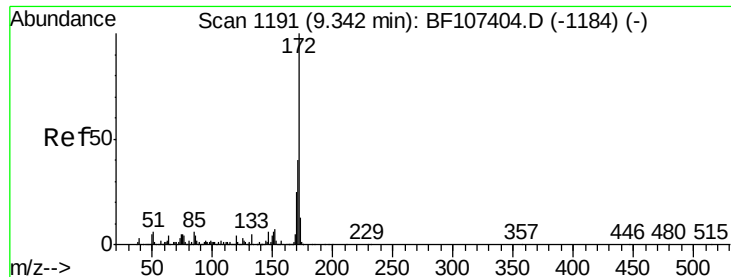


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

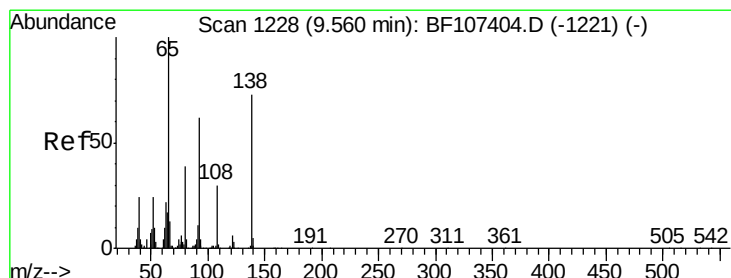
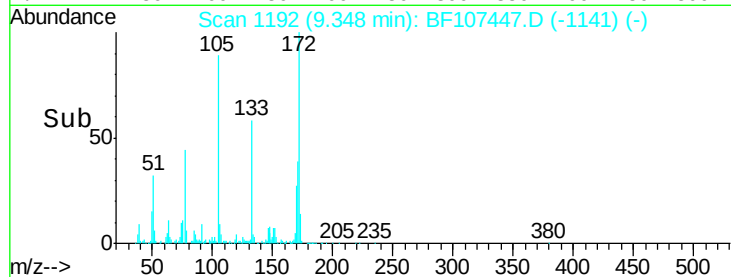
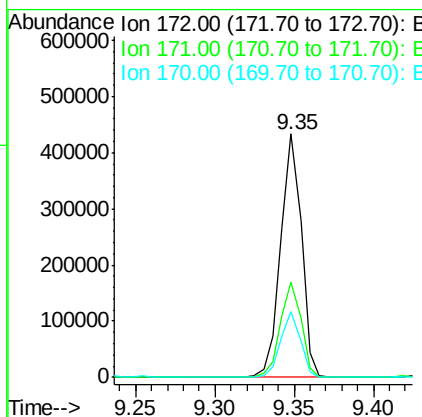
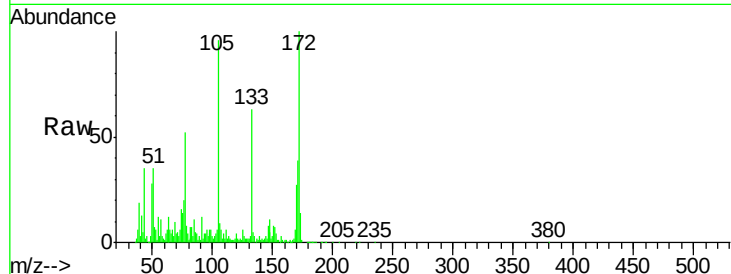




#44
2-Fluorobiphenyl
Concen: 20.963 ng
RT: 9.35 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF107447.D
Acq: 17 Jul 2018 14:16

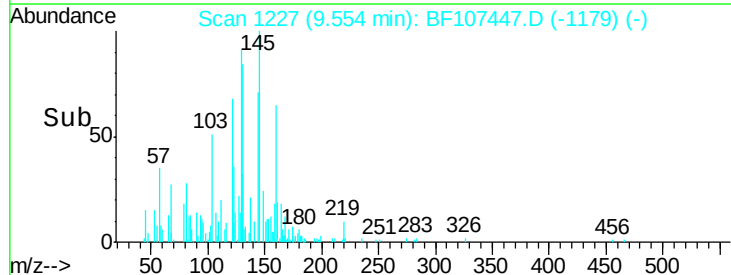
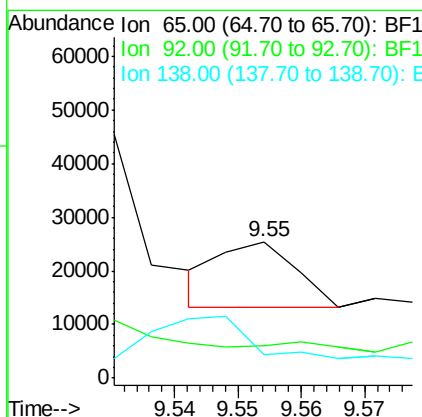
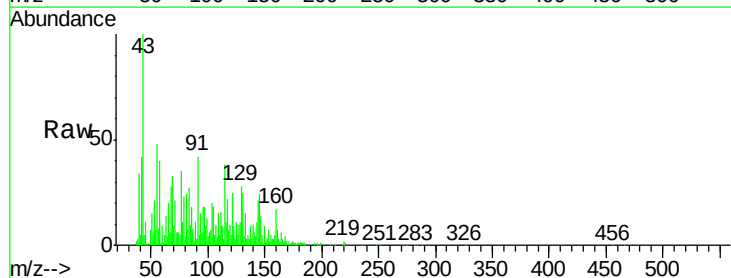
Instrument :
BNA_F
ClientSampleId :
DRUM-1DL

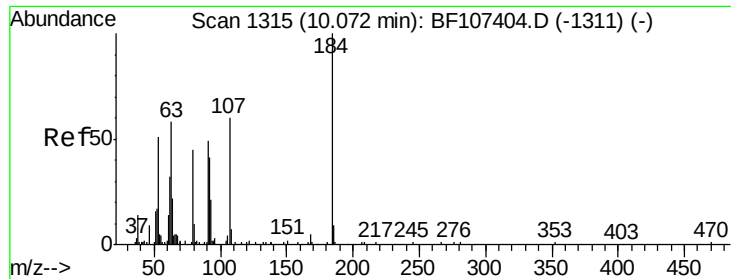
Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.9	29.7	44.5
170	26.7	19.6	29.4



#47
2-Nitroaniline
Concen: 2.150 ng
RT: 9.55 min Scan# 1227
Delta R.T. -0.02 min
Lab File: BF107447.D
Acq: 17 Jul 2018 14:16

Tgt Ion	Ratio	Lower	Upper
65	100		
92	24.0	55.8	83.6#
138	16.9	91.2	136.8#





#53

2,4-Dinitrophenol

Concen: 4.466 ng

RT: 10.09 min Scan# 1318

Delta R.T. 0.01 min

Lab File: BF107447.D

Acq: 17 Jul 2018 14:16

Instrument :

BNA_F

ClientSampleId :

DRUM-1DL

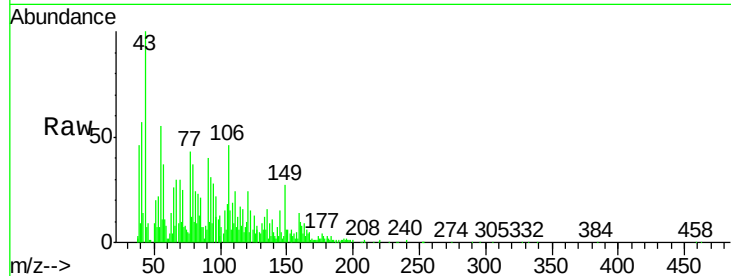
Tgt Ion:184 Resp: 1852

Ion Ratio Lower Upper

184 100

63 1306.6 54.2 81.2#

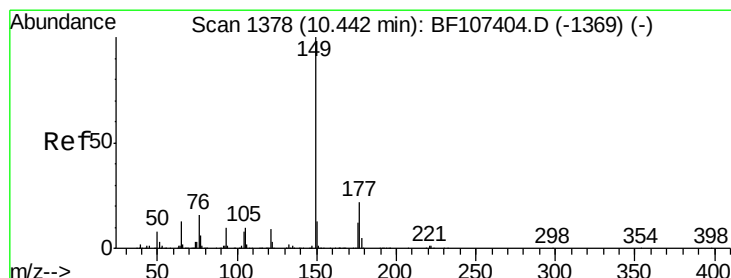
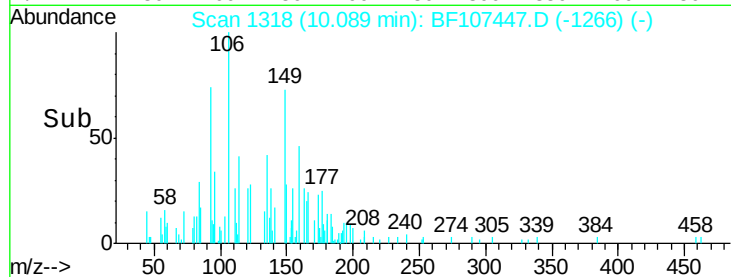
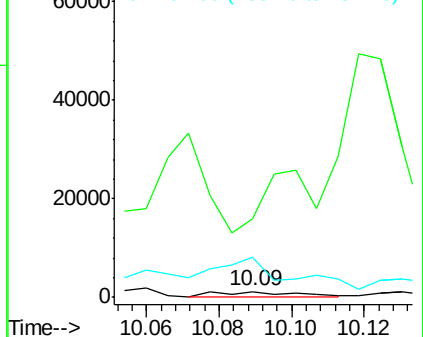
154 667.1 184.0 276.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#59

Diethylphthalate

Concen: 4.244 ng

RT: 10.32 min Scan# 1358

Delta R.T. -0.12 min

Lab File: BF107447.D

Acq: 17 Jul 2018 14:16

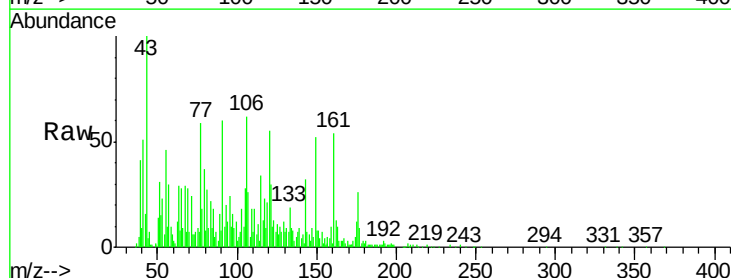
Tgt Ion:149 Resp: 74043

Ion Ratio Lower Upper

149 100

177 16.8 16.1 24.1

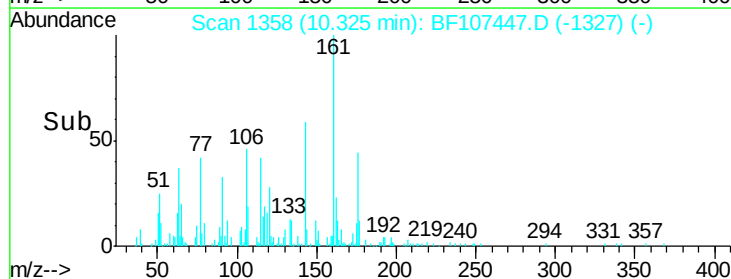
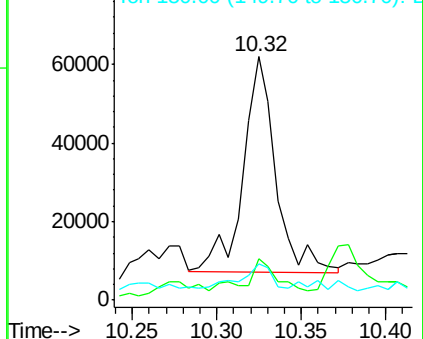
150 14.9 10.1 15.1

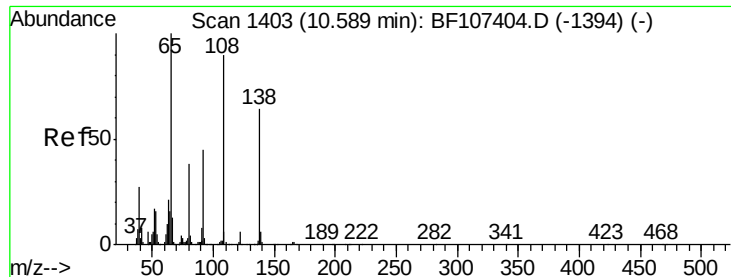


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

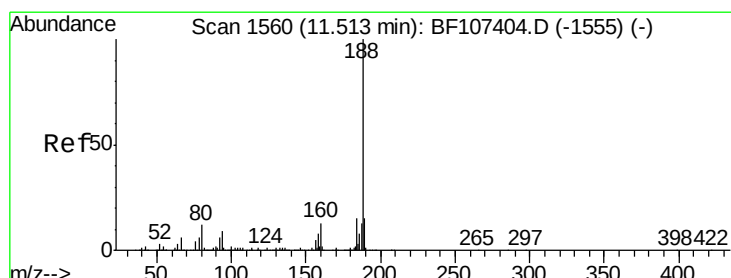
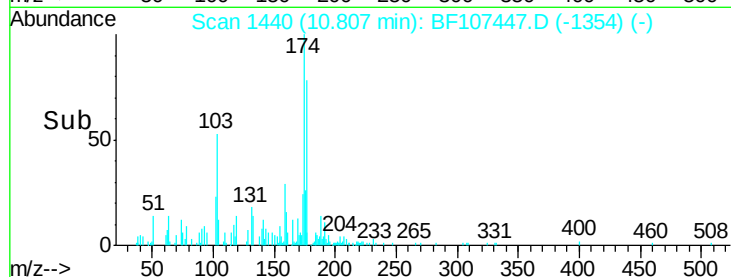
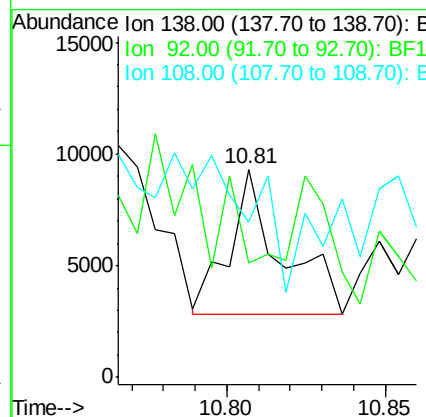
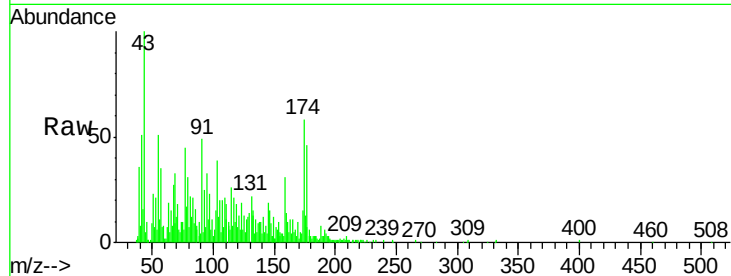




#61
4-Nitroaniline
Concen: 2.128 ng
RT: 10.81 min Scan# 1440
Delta R.T. 0.21 min
Lab File: BF107447.D
Acq: 17 Jul 2018 14:16

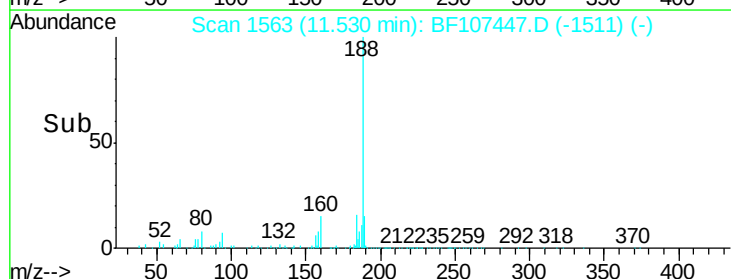
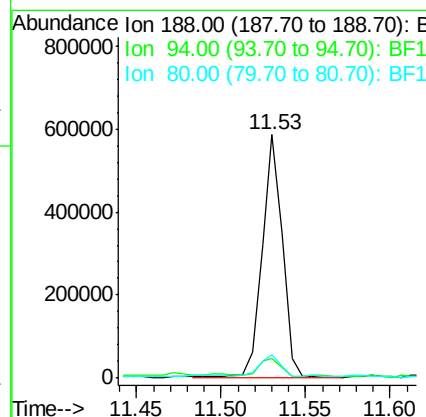
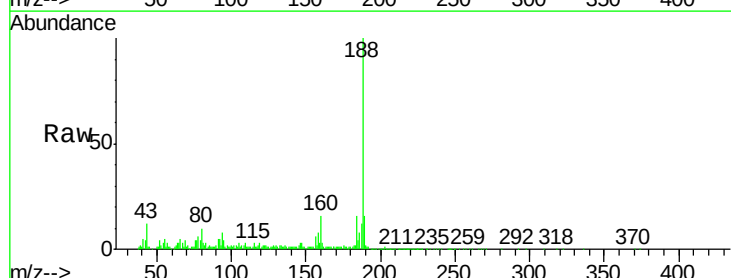
Instrument :
BNA_F
ClientSampleId :
DRUM-1DL

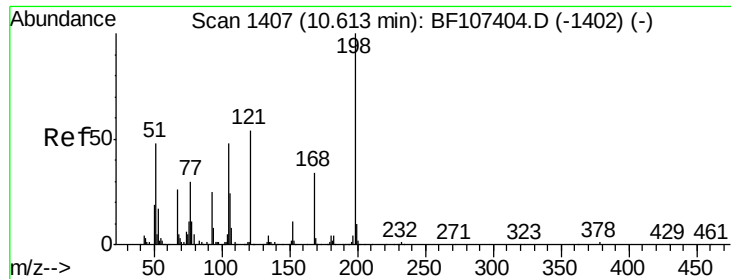
Tgt Ion:138 Resp: 7288
Ion Ratio Lower Upper
138 100
92 55.0 30.2 70.2
108 74.9 52.5 92.5



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.53 min Scan# 1563
Delta R.T. 0.01 min
Lab File: BF107447.D
Acq: 17 Jul 2018 14:16

Tgt Ion:188 Resp: 487298
Ion Ratio Lower Upper
188 100
94 8.3 8.5 12.7#
80 9.7 9.2 13.8

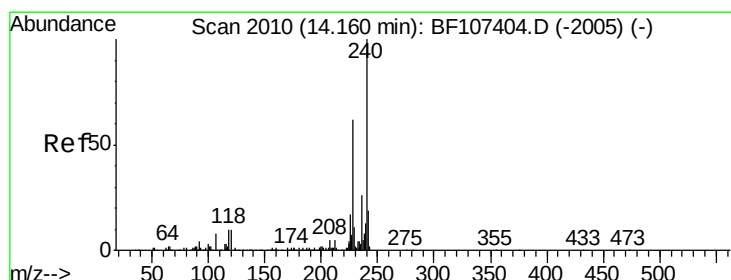
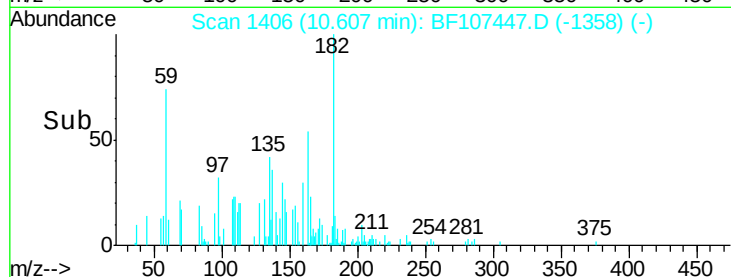
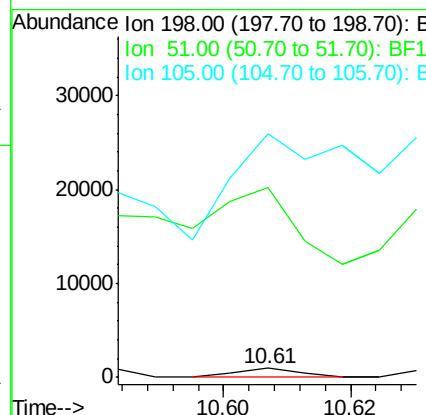
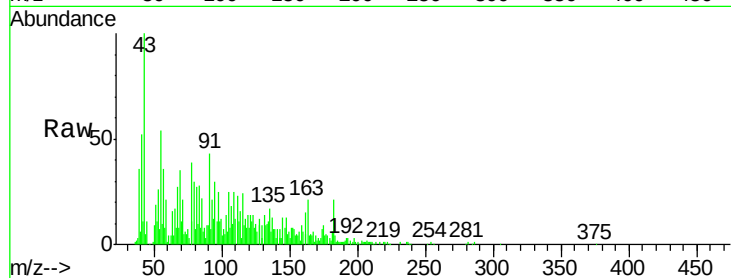




#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.718 ng
 RT: 10.61 min Scan# 1406
 Delta R.T. -0.02 min
 Lab File: BF107447.D
 Acq: 17 Jul 2018 14:16

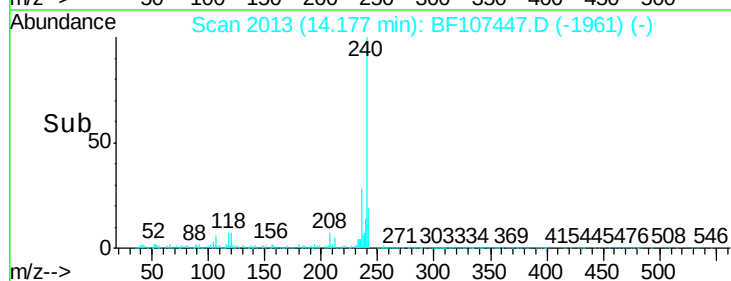
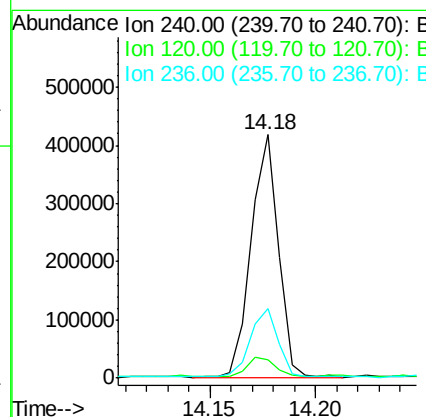
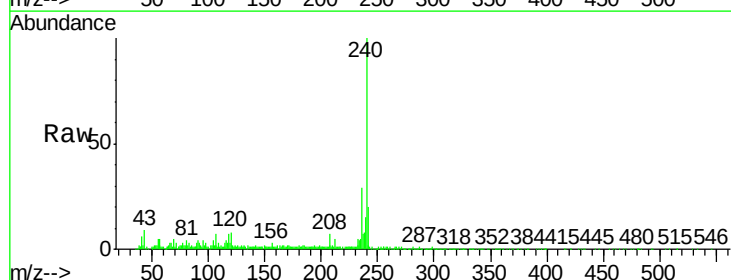
Instrument :
 BNA_F
 ClientSampleId :
 DRUM-1DL

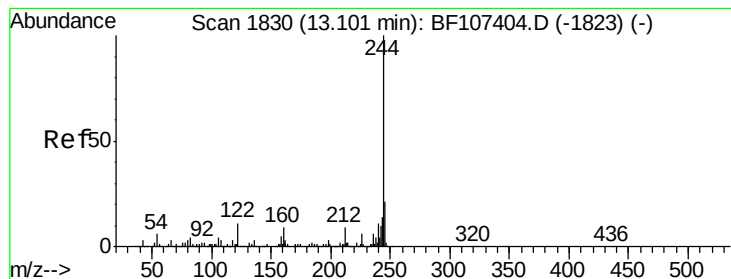
Tgt Ion:198 Resp: 708
 Ion Ratio Lower Upper
 198 100
 51 2061.8 37.7 77.7#
 105 2637.4 36.3 76.3#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.18 min Scan# 2013
 Delta R.T. 0.01 min
 Lab File: BF107447.D
 Acq: 17 Jul 2018 14:16

Tgt Ion:240 Resp: 380746
 Ion Ratio Lower Upper
 240 100
 120 7.7 9.5 14.3#
 236 28.7 20.7 31.1





#78

Terphenyl-d14

Concen: 25.931 ng

RT: 13.11 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF107447.D

Acq: 17 Jul 2018 14:16

Instrument :

BNA_F

ClientSampleId :

DRUM-1DL

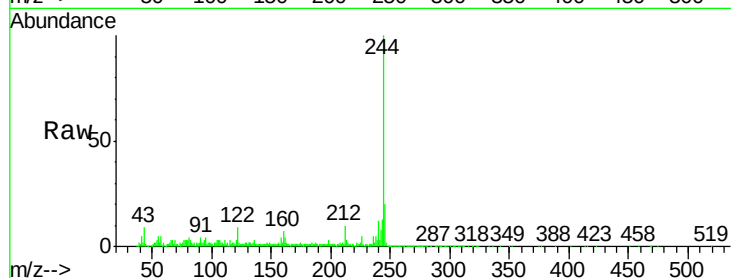
Tgt Ion:244 Resp: 397384

Ion Ratio Lower Upper

244 100

212 10.1 5.4 8.0#

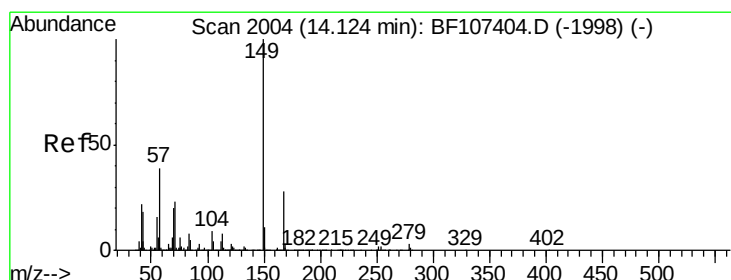
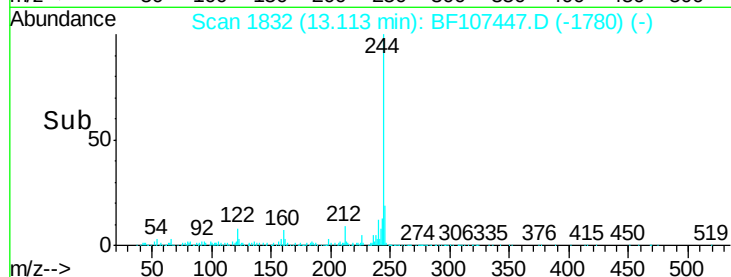
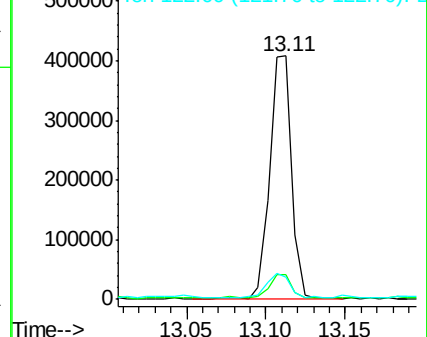
122 9.0 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 41.581 ng

RT: 14.14 min Scan# 2006

Delta R.T. 0.01 min

Lab File: BF107447.D

Acq: 17 Jul 2018 14:16

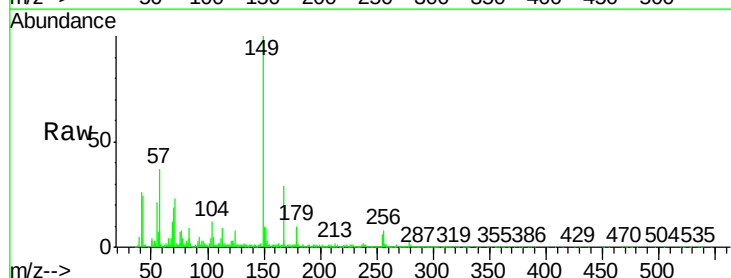
Tgt Ion:149 Resp: 561965

Ion Ratio Lower Upper

149 100

167 28.9 21.3 31.9

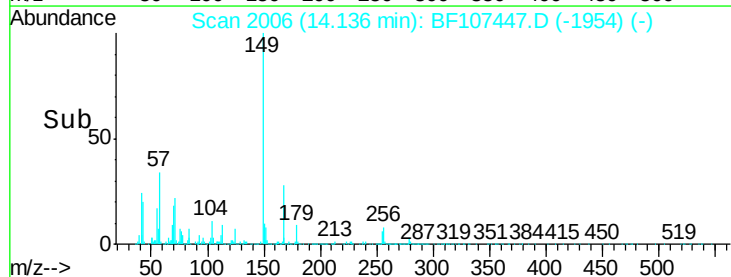
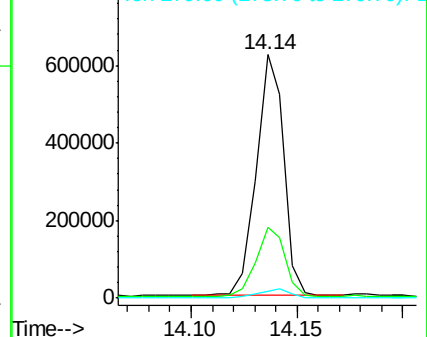
279 2.9 3.0 4.4#

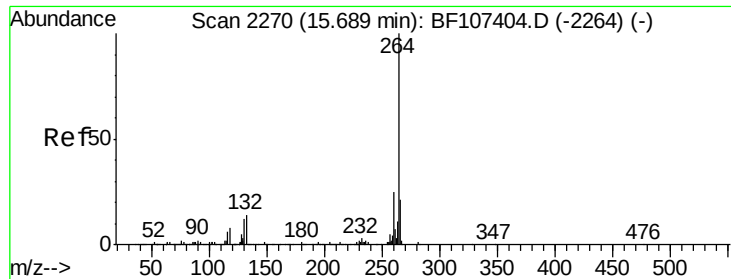


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

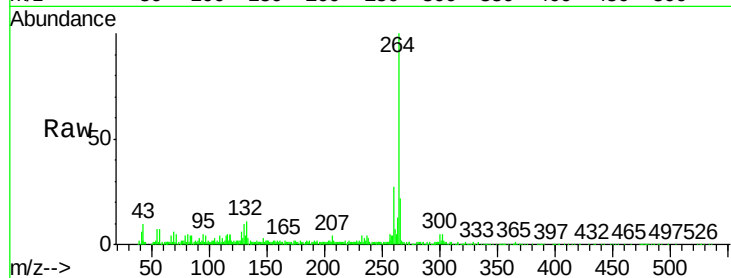




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.72 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF107447.D
Acq: 17 Jul 2018 14:16

Instrument :
BNA_F
ClientSampleId :
DRUM-1DL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.7	19.2	28.8
265	22.1	17.5	26.3



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

