

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
 Data File : BF107500.D
 Acq On : 19 Jul 2018 7:36
 Operator : JU/SJ
 Sample : J4027-08
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 19 08:03:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 18 11:55:34 2018
 Response via : Initial Calibration

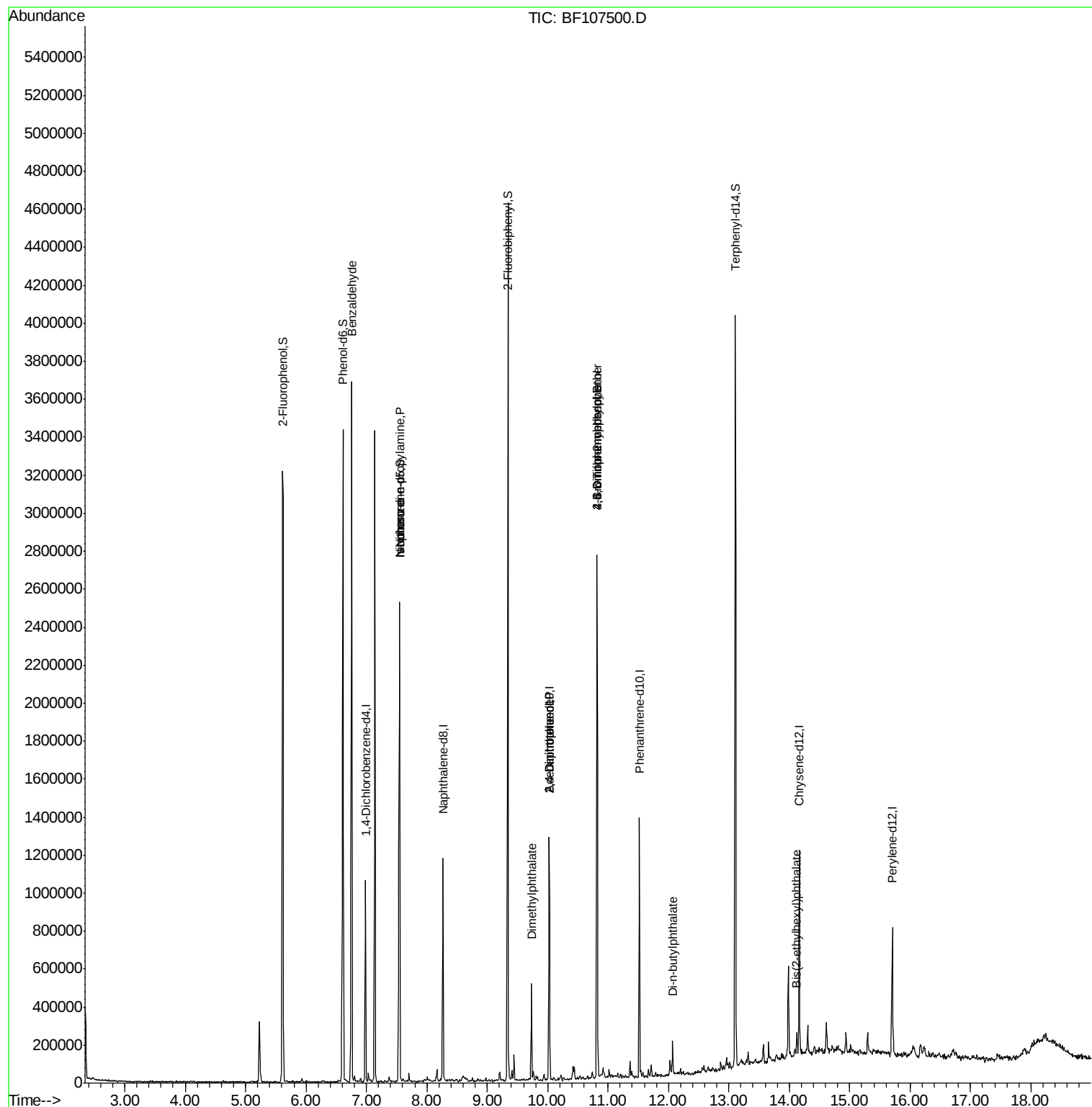
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	120496	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	423655	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	219818	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	408710	20.00	ng	0.00
75) Chrysene-d12	14.17	240	324748	20.00	ng	-0.01
86) Perylene-d12	15.71	264	298057	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	802828	101.19	ng	0.00
7) Phenol-d6	6.61	99	1036671	101.06	ng	0.00
23) Nitrobenzene-d5	7.55	82	802594	101.02	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	235831	122.11	ng	-0.01
44) 2-Fluorobiphenyl	9.34	172	1341341	104.19	ng	0.00
78) Terphenyl-d14	13.11	244	1263011	96.63	ng	0.00
Target Compounds						
9) Benzaldehyde	6.75	77	28277	3.427	ng	85
19) n-Nitroso-di-n-propylamine	7.55	70	128514	17.498	ng	# 74
25) Isophorone	7.55	82	802584	50.965	ng	# 64
49) Dimethylphthalate	9.73	163	146455	8.385	ng	99
53) 2,4-Dinitrophenol	10.02	184	121	2.397	ng	# 1
56) 2,4-Dinitrotoluene	10.02	165	27324	6.290	ng	# 26
64) 4,6-Dinitro-2-methylphenol	10.82	198	178	7.558	ng	# 1
66) 4-Bromophenyl-phenylether	10.82	248	30381	6.497	ng	# 1
73) Di-n-butylphthalate	12.07	149	70346	3.187	ng	# 97
83) Bis(2-ethylhexyl)phthalate	14.12	149	32024	2.778	ng	# 85

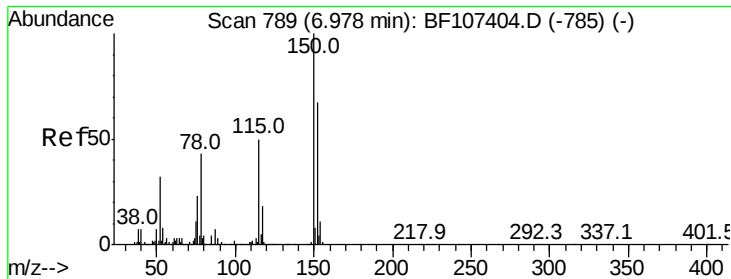
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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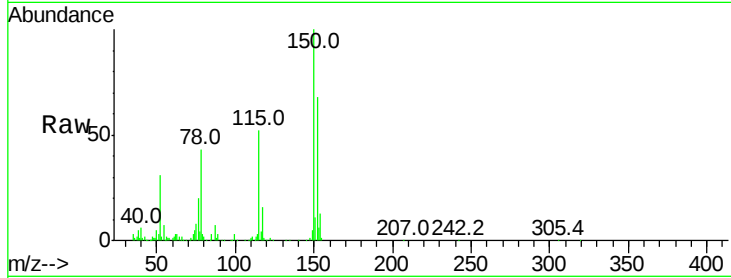


#1

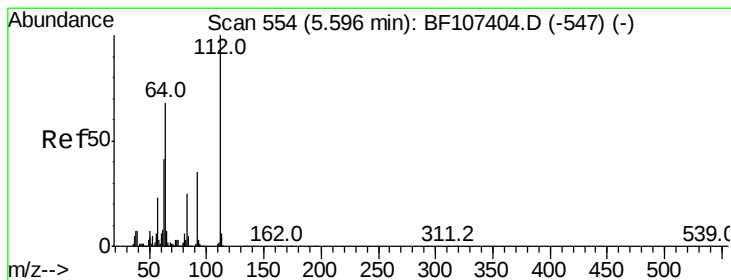
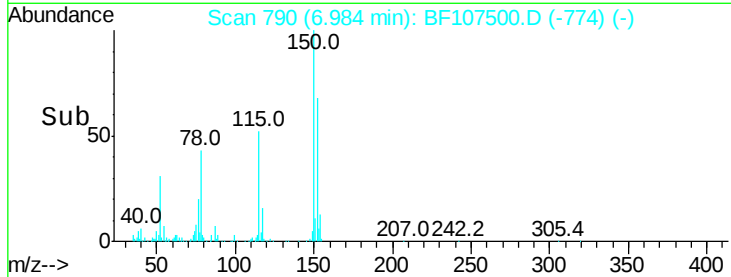
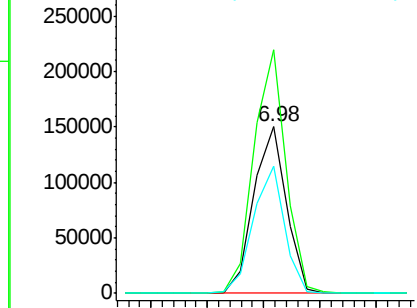
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF107500.D
Acq: 19 Jul 2018 7:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.2	124.6	186.8
115	76.5	50.1	75.1#



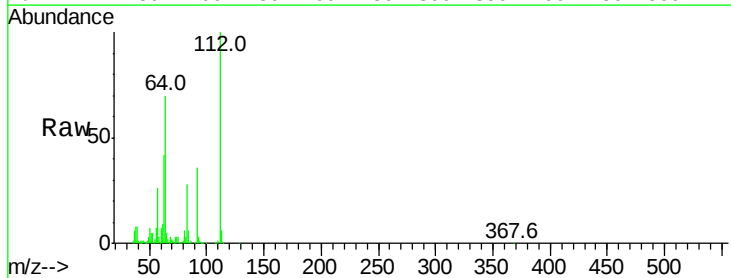
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



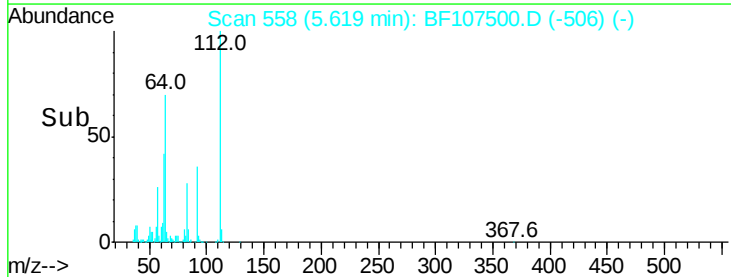
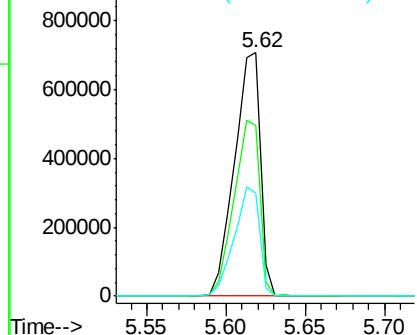
#5

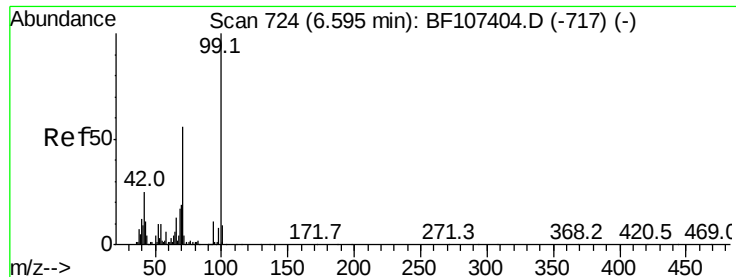
2-Fluorophenol
Concen: 101.189 ng
RT: 5.62 min Scan# 558
Delta R.T. 0.01 min
Lab File: BF107500.D
Acq: 19 Jul 2018 7:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.1	47.9	71.9
63	42.3	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





#7

Phenol-d6

Concen: 101.063 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF107500.D

Acq: 19 Jul 2018 7:36

Instrument :

BNA_F

ClientSampleId :

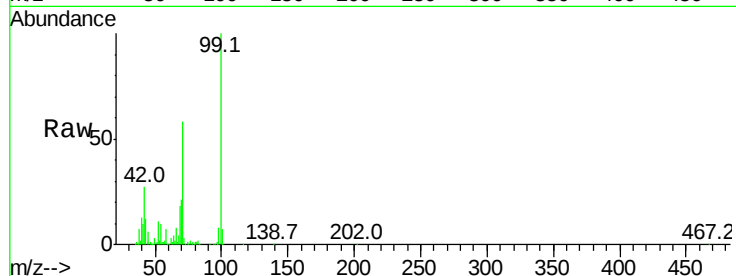
Tot Ion: 99 Resp: 1036671

Ion Ratio Lower Upper

99 100

42 27.2 14.5 21.7#

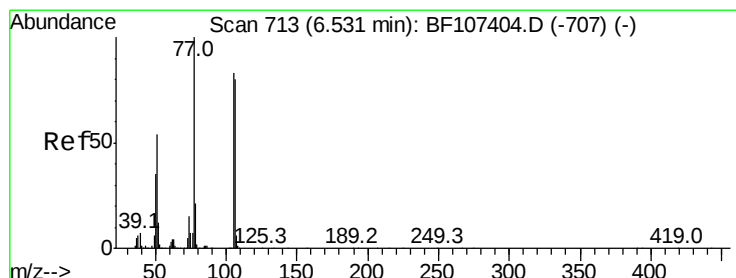
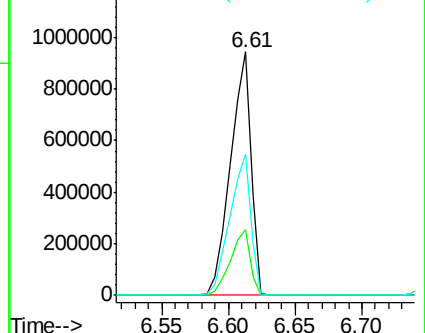
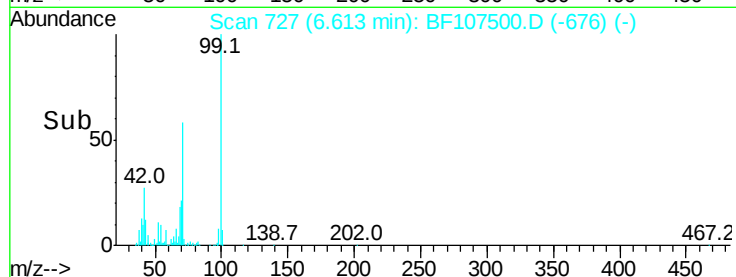
71 58.0 25.4 38.0#



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 3.427 ng

RT: 6.75 min Scan# 751

Delta R.T. 0.21 min

Lab File: BF107500.D

Acq: 19 Jul 2018 7:36

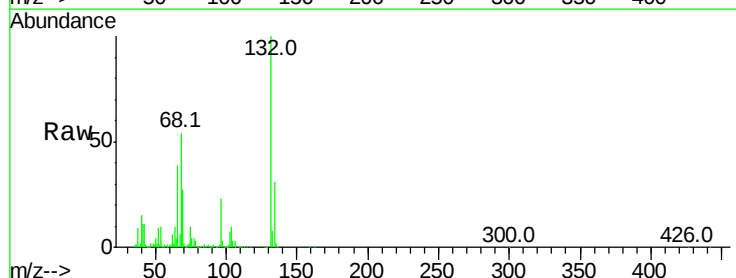
Tgt Ion: 77 Resp: 28277

Ion Ratio Lower Upper

77 100

105 81.2 81.1 121.1

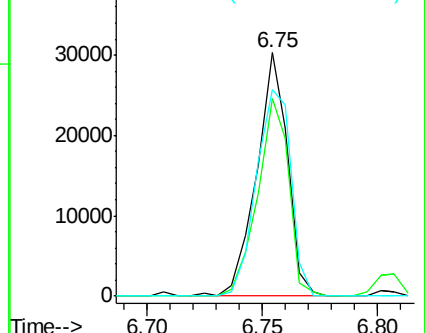
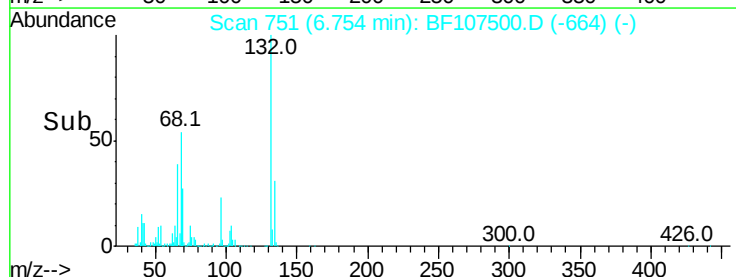
106 84.9 74.5 114.5

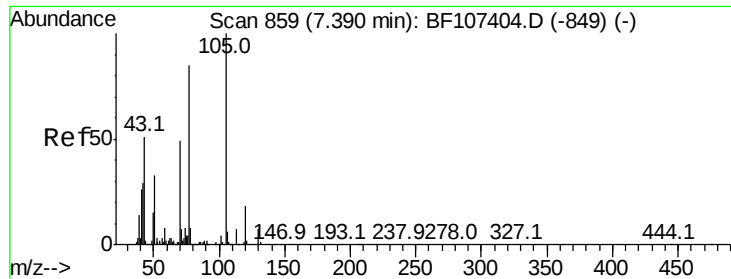


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 17.498 ng

RT: 7.55 min Scan# 886

Delta R.T. 0.15 min

Lab File: BF107500.D

Acq: 19 Jul 2018 7:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 128514

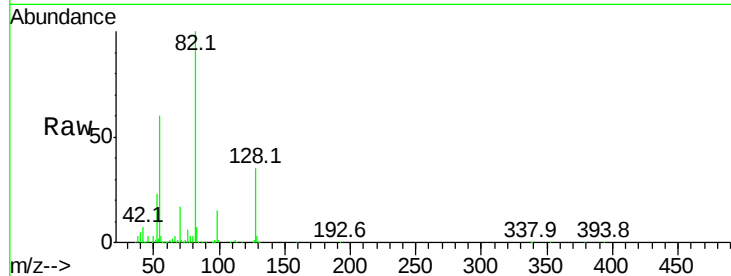
Ion Ratio Lower Upper

70 100

42 43.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

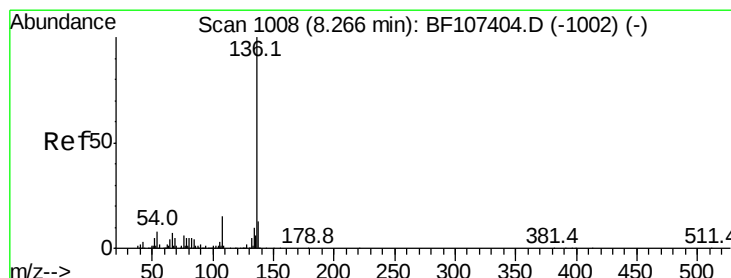
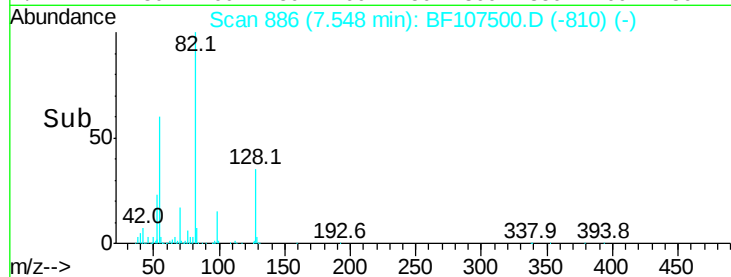
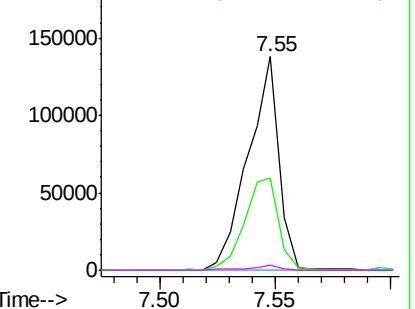


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.27 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF107500.D

Acq: 19 Jul 2018 7:36

Tgt Ion: 136 Resp: 423655

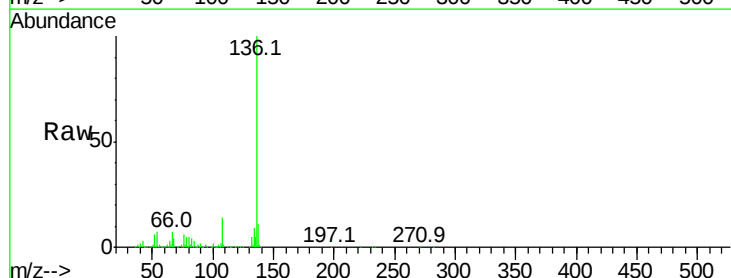
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.7 6.6 9.8

68 4.3 5.0 7.4#

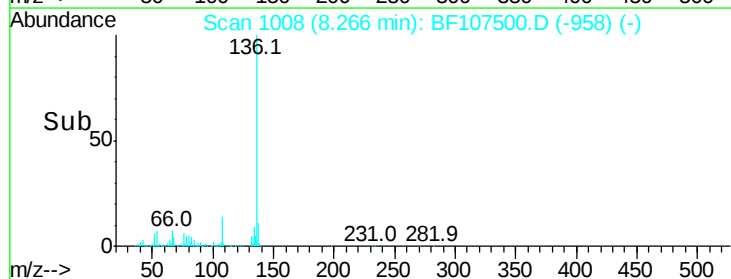
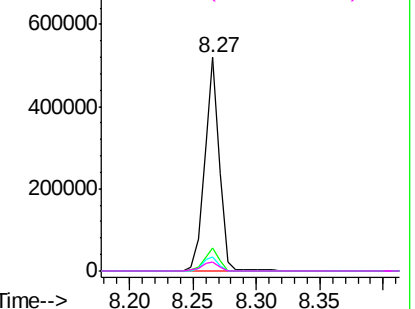


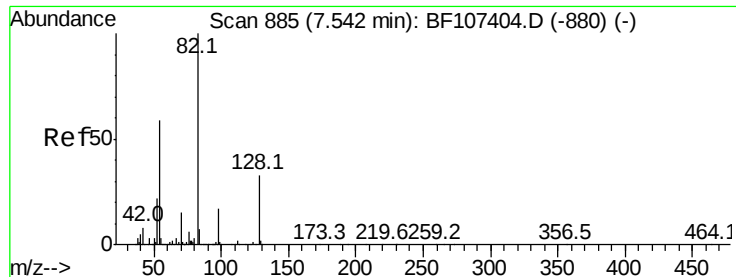
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

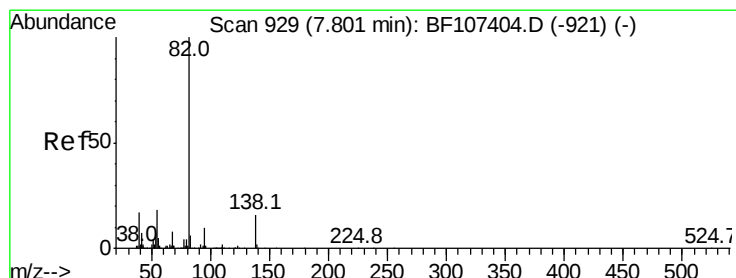
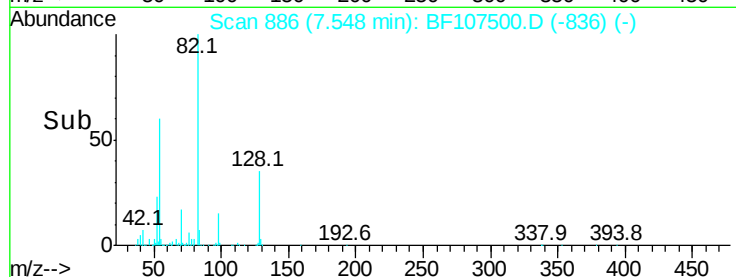
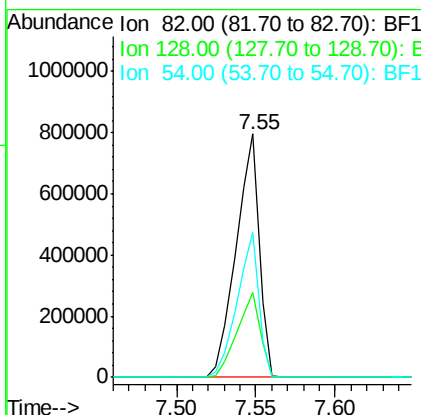
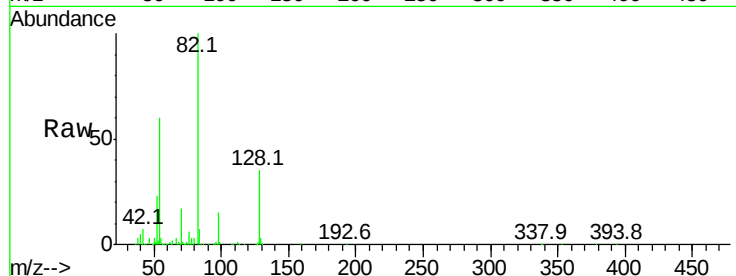




#23
 Nitrobenzene-d5
 Concen: 101.020 ng
 RT: 7.55 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BF107500.D
 Acq: 19 Jul 2018 7:36

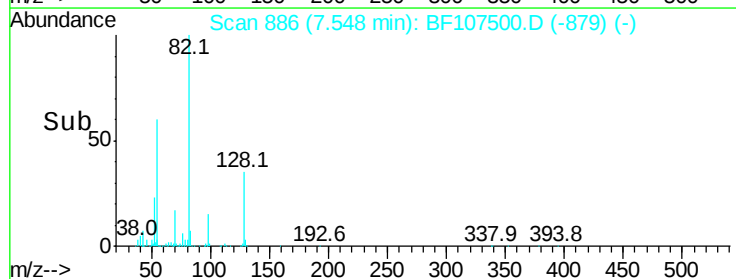
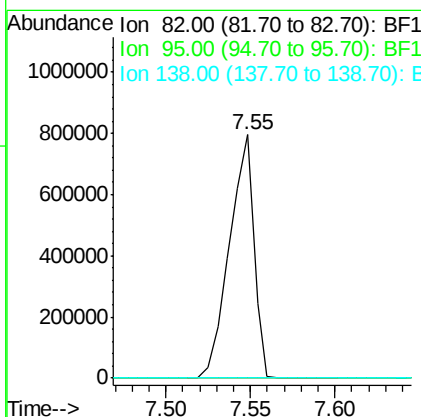
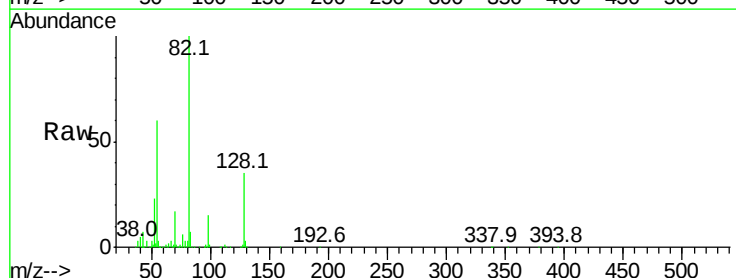
Instrument :
 BNA_F
 ClientSampleId :

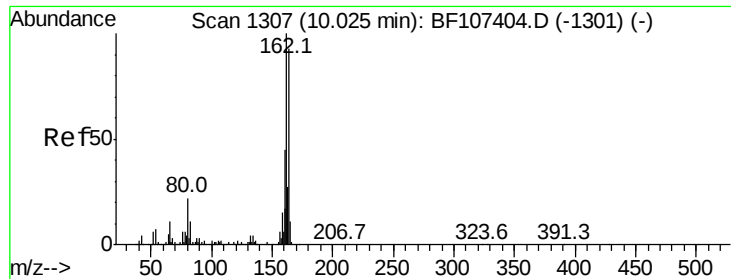
Tot Ion	82	Resp	802594
Ion Ratio	Lower	Upper	
82	100		
128	34.9	36.1	54.1#
54	59.7	41.4	62.2



#25
 Isophorone
 Concen: 50.965 ng
 RT: 7.55 min Scan# 886
 Delta R.T. -0.26 min
 Lab File: BF107500.D
 Acq: 19 Jul 2018 7:36

Tgt Ion	82	Resp	802584
Ion Ratio	Lower	Upper	
82	100		
95	0.2	5.2	7.8#
138	0.0	14.9	22.3#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF107500.D

Acq: 19 Jul 2018 7:36

Instrument :

BNA_F

ClientSampleId :

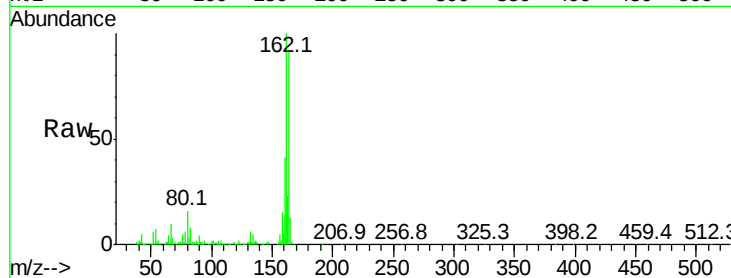
Tot Ion:164 Resp: 219818

Ion Ratio Lower Upper

164 100

162 108.3 86.1 129.1

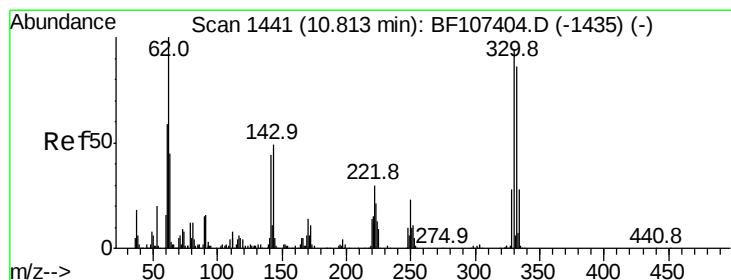
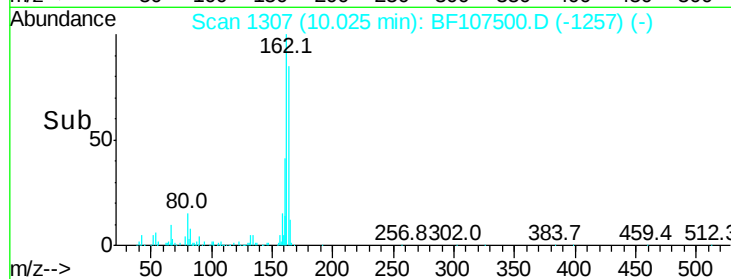
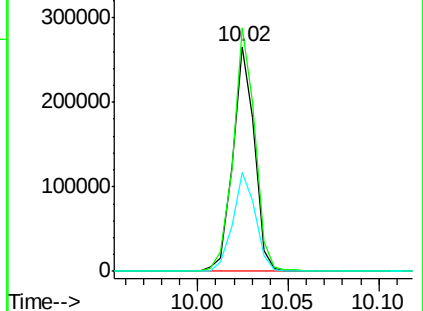
160 43.9 38.3 57.5



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: 122.106 ng

RT: 10.82 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF107500.D

Acq: 19 Jul 2018 7:36

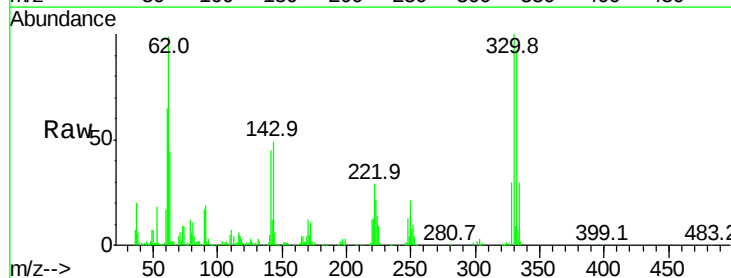
Tgt Ion:330 Resp: 235831

Ion Ratio Lower Upper

330 100

332 97.9 77.0 115.6

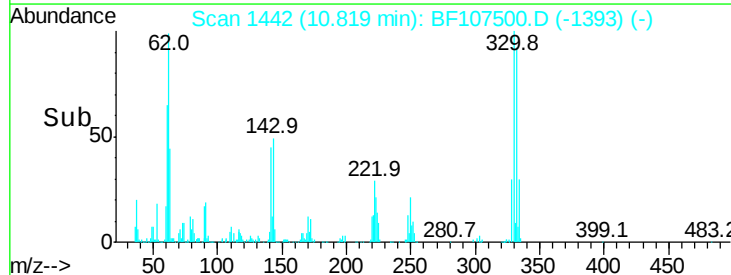
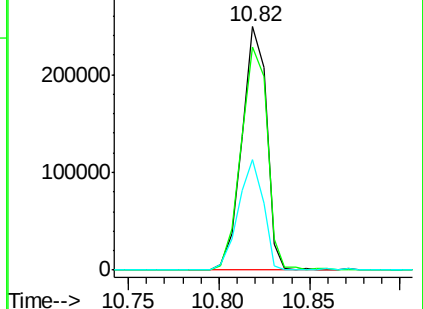
141 46.3 29.9 44.9#

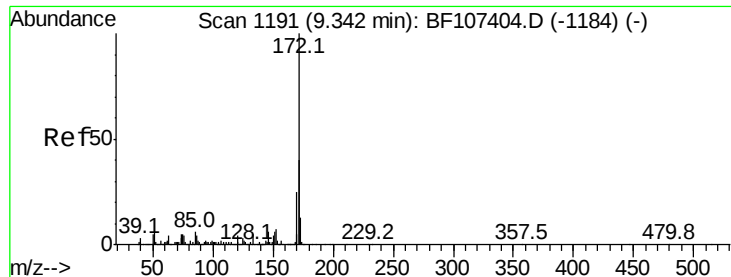


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

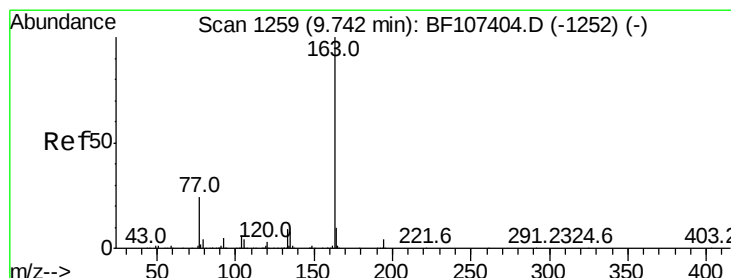
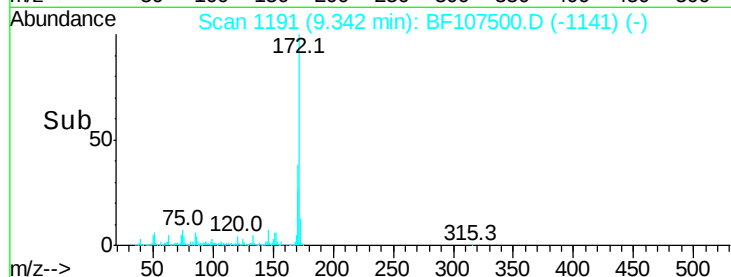
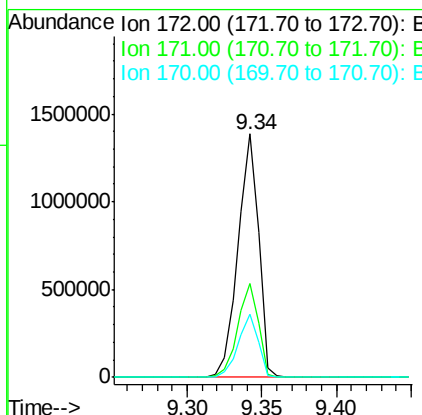
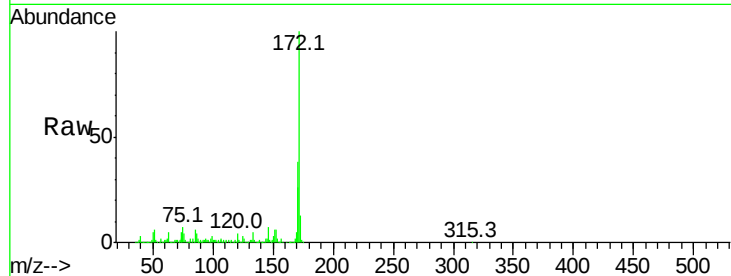




#44
2-Fluorobiphenyl
Concen: 104.189 ng
RT: 9.34 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF107500.D
Acq: 19 Jul 2018 7:36

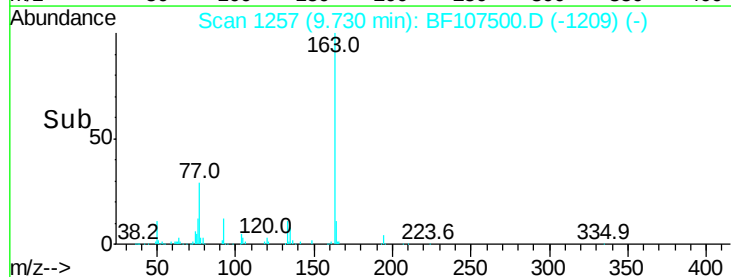
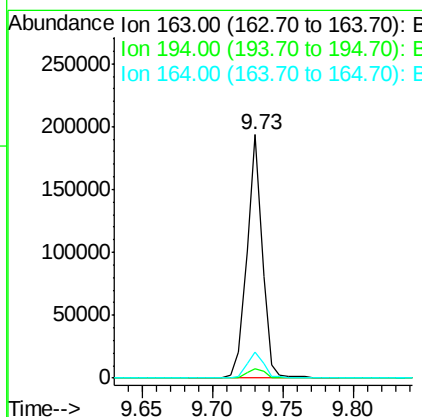
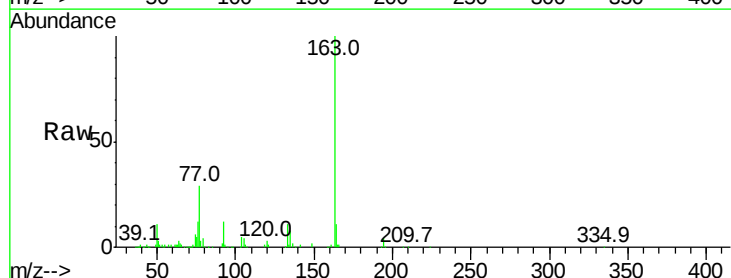
Instrument :
BNA_F
ClientSampleId :

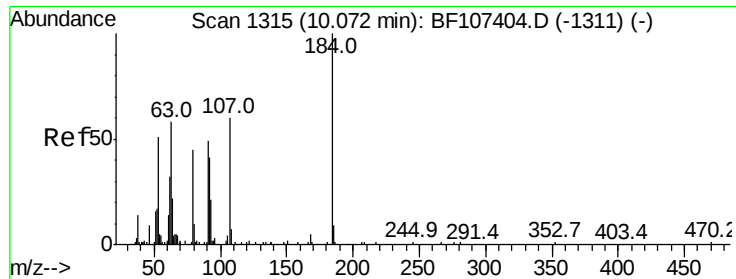
Tot Ion:172 Resp: 1341341
Ion Ratio Lower Upper
172 100
171 38.4 29.7 44.5
170 26.2 19.6 29.4



#49
Dimethylphthalate
Concen: 8.385 ng
RT: 9.73 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF107500.D
Acq: 19 Jul 2018 7:36

Tgt Ion:163 Resp: 146455
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.5 8.2 12.2

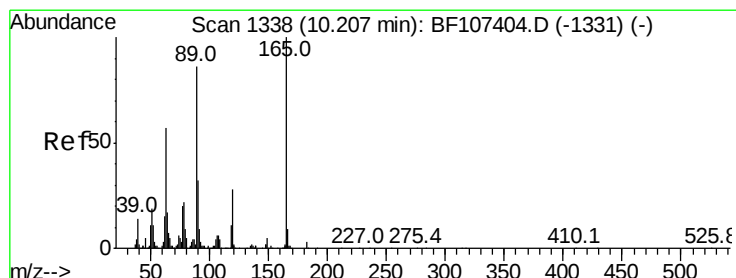
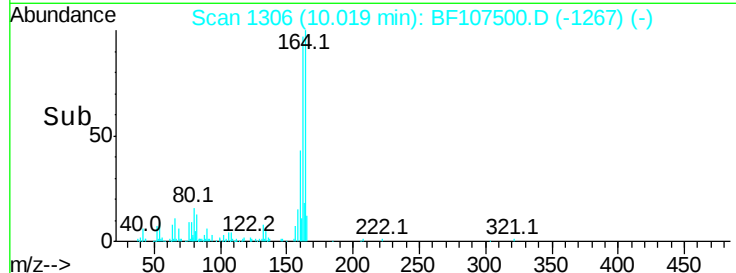
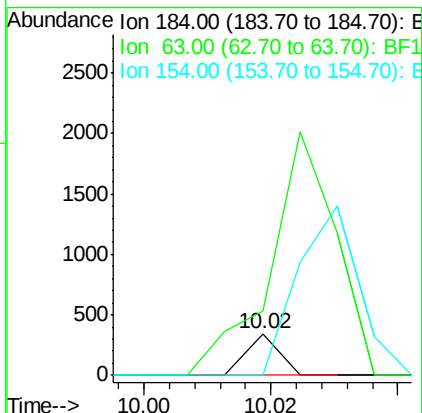
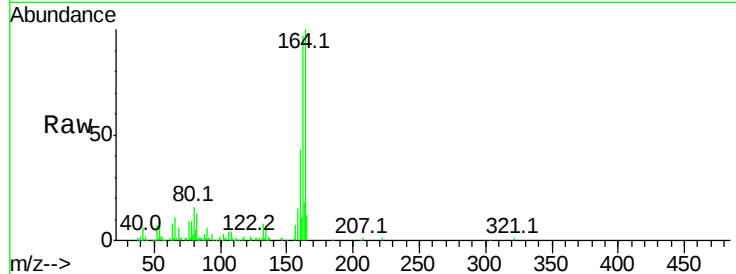




#53
2,4-Dinitrophenol
Concen: 2.397 ng
RT: 10.02 min Scan# 1306
Delta R.T. -0.07 min
Lab File: BF107500.D
Acq: 19 Jul 2018 7:36

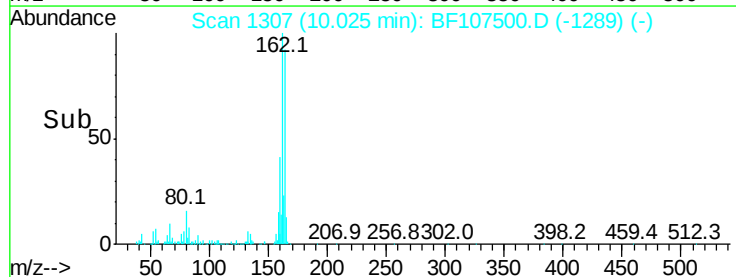
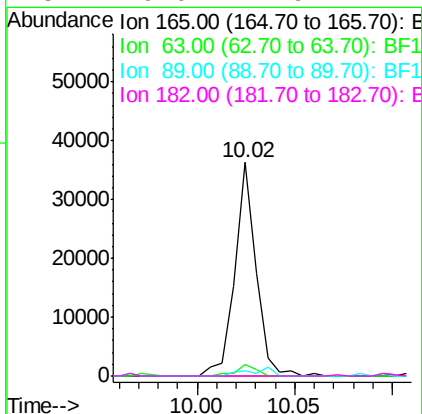
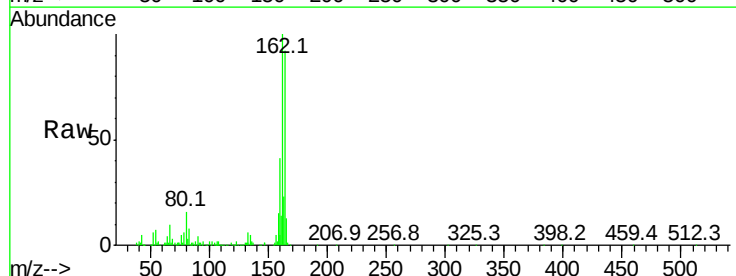
Instrument :
BNA_F
ClientSampleId :

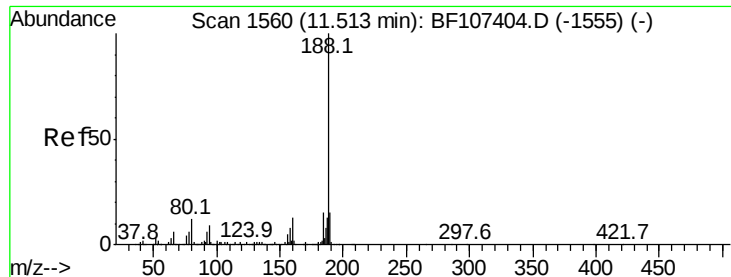
Tot Ion:184 Resp: 121
Ion Ratio Lower Upper
184 100
63 155.1 54.2 81.2#
154 0.0 184.0 276.0#



#56
2,4-Dinitrotoluene
Concen: 6.290 ng
RT: 10.02 min Scan# 1307
Delta R.T. -0.19 min
Lab File: BF107500.D
Acq: 19 Jul 2018 7:36

Tgt Ion:165 Resp: 27324
Ion Ratio Lower Upper
165 100
63 5.5 36.4 54.6#
89 2.6 57.8 86.6#
182 0.0 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.52 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF107500.D

Acq: 19 Jul 2018 7:36

Instrument :

BNA_F

ClientSampleId :

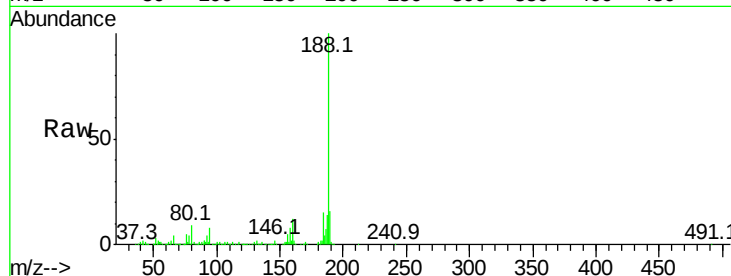
Tot Ion:188 Resp: 408710

Ion Ratio Lower Upper

188 100

94 7.6 8.5 12.7#

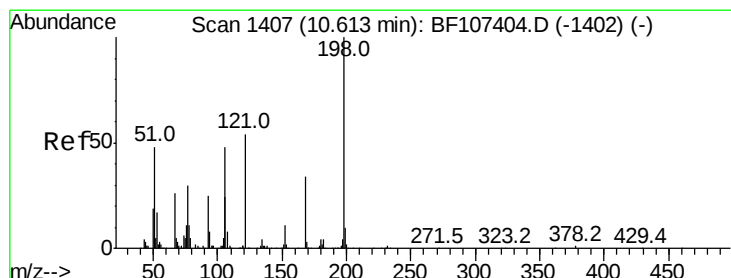
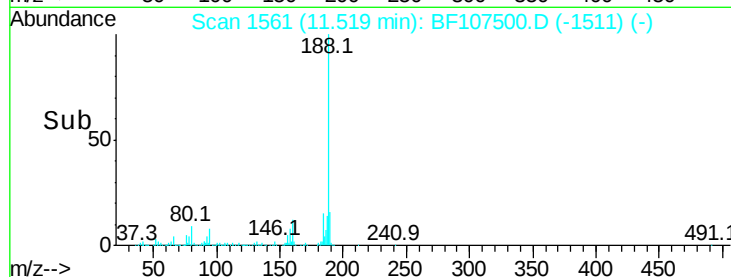
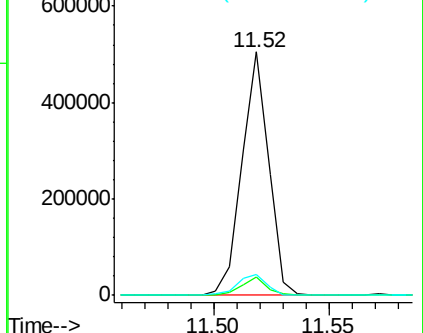
80 8.8 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 7.558 ng

RT: 10.82 min Scan# 1442

Delta R.T. 0.19 min

Lab File: BF107500.D

Acq: 19 Jul 2018 7:36

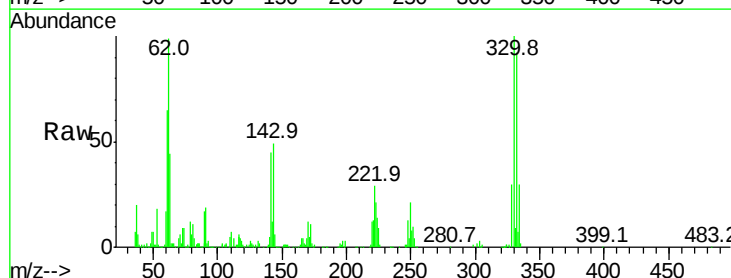
Tgt Ion:198 Resp: 178

Ion Ratio Lower Upper

198 100

51 479.8 37.7 77.7#

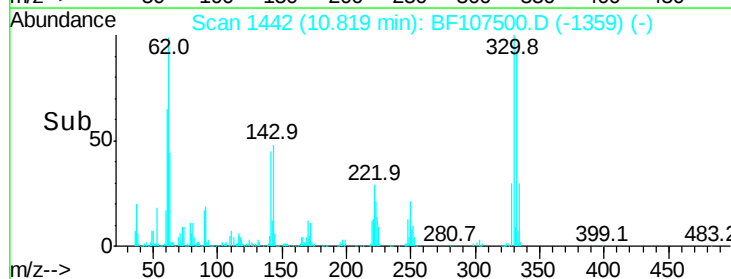
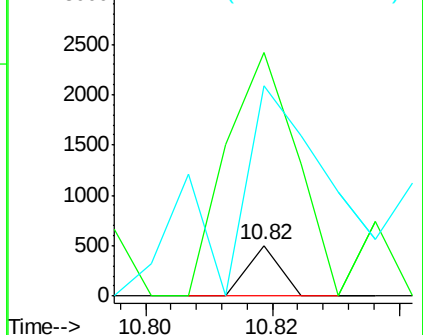
105 413.7 36.3 76.3#

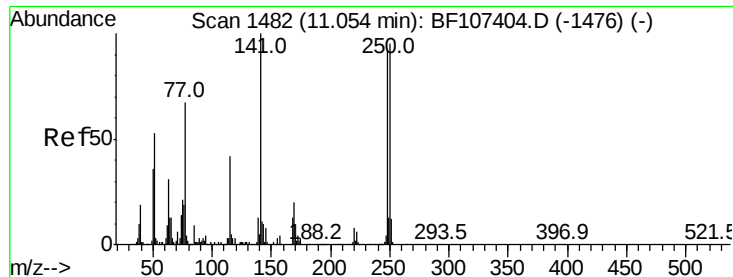


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

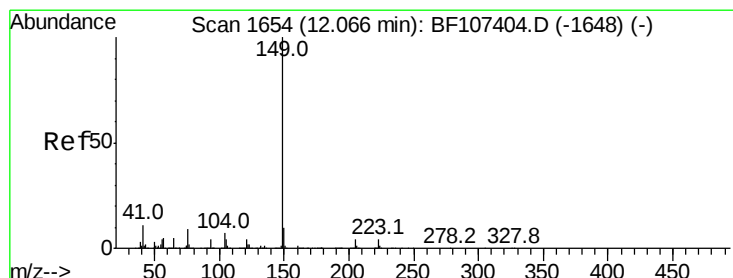
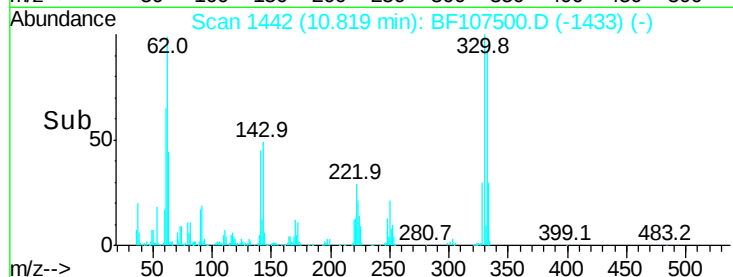
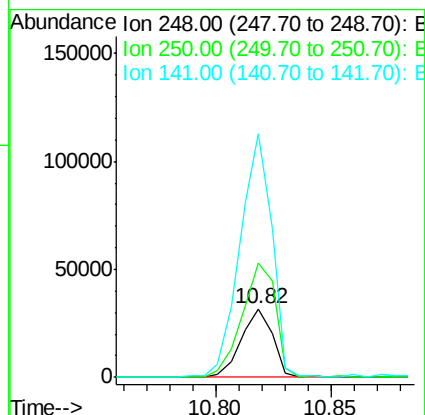
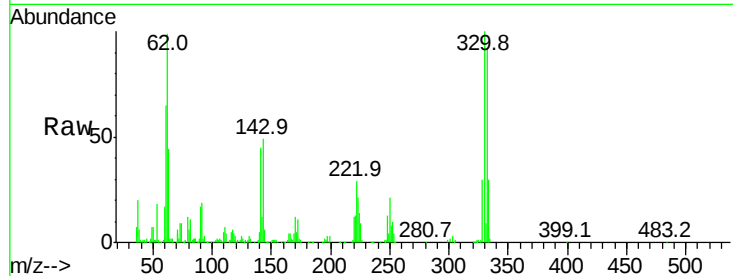




#66
 4-Bromophenyl-phenylether
 Concen: 6.497 ng
 RT: 10.82 min Scan# 1442
 Delta R.T. -0.25 min
 Lab File: BF107500.D
 Acq: 19 Jul 2018 7:36

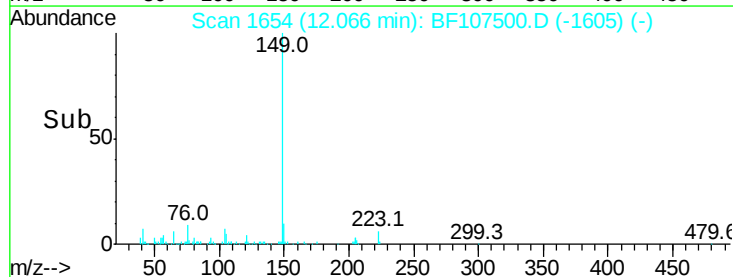
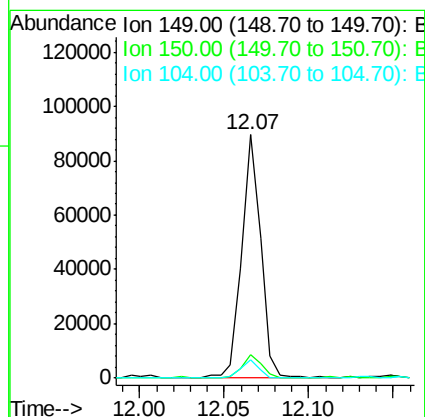
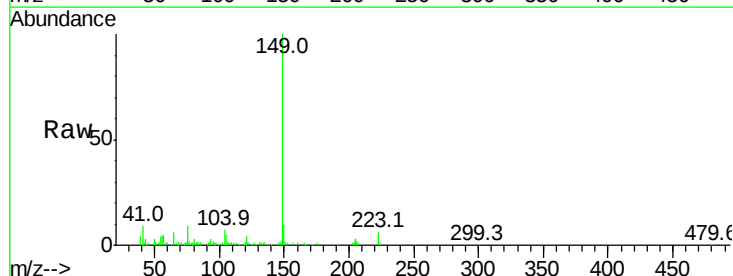
Instrument :
 BNA_F
 ClientSampled :

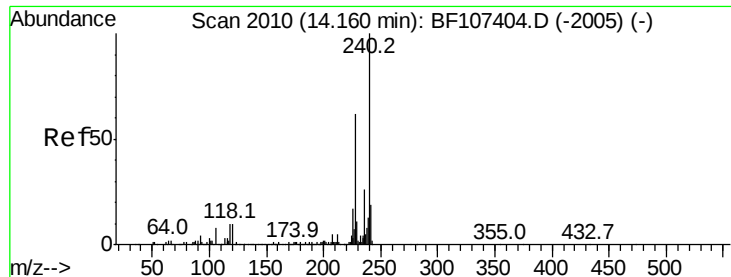
Tot Ion:248 Resp: 30381
 Ion Ratio Lower Upper
 248 100
 250 167.8 76.9 115.3#
 141 356.2 74.4 111.6#



#73
 Di-n-butylphthalate
 Concen: 3.187 ng
 RT: 12.07 min Scan# 1654
 Delta R.T. -0.01 min
 Lab File: BF107500.D
 Acq: 19 Jul 2018 7:36

Tgt Ion:149 Resp: 70346
 Ion Ratio Lower Upper
 149 100
 150 9.7 7.8 11.6
 104 7.4 3.8 5.8#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF107500.D

Acq: 19 Jul 2018 7:36

Instrument :

BNA_F

ClientSampled :

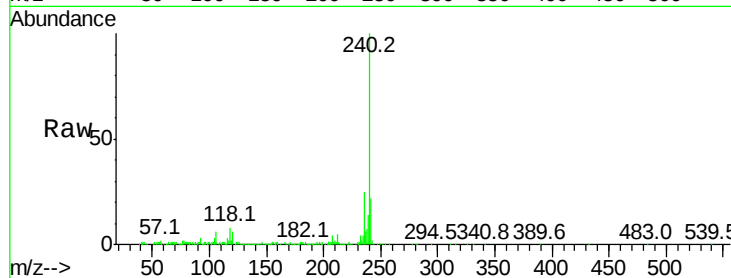
Tot Ion:240 Resp: 324748

Ion Ratio Lower Upper

240 100

120 5.6 9.5 14.3#

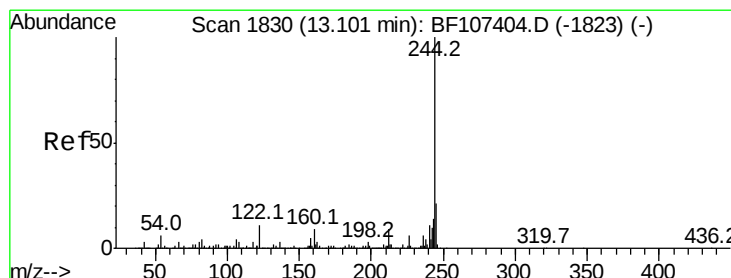
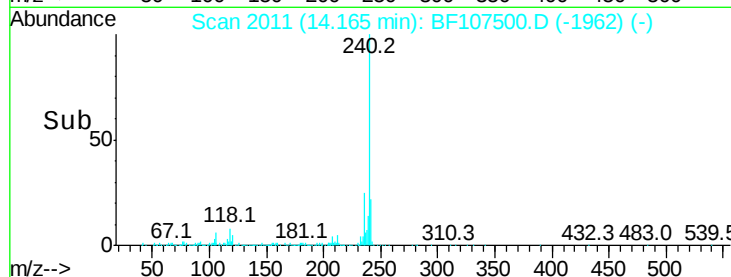
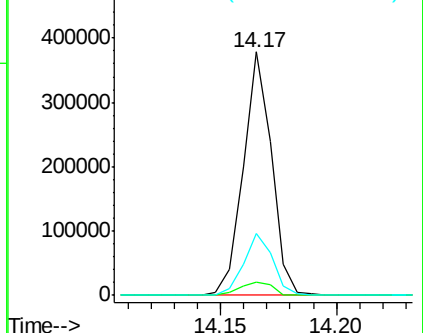
236 25.2 20.7 31.1



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



#78

Terphenyl-d14

Concen: 96.630 ng

RT: 13.11 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF107500.D

Acq: 19 Jul 2018 7:36

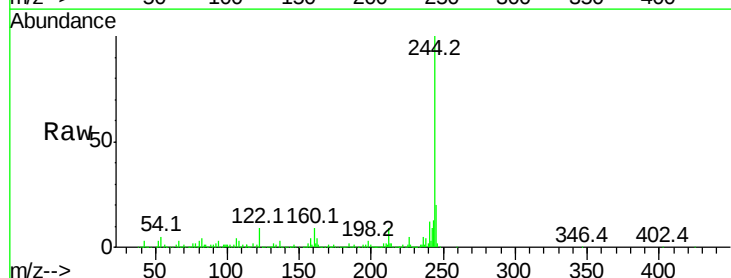
Tgt Ion:244 Resp: 1263011

Ion Ratio Lower Upper

244 100

212 8.7 5.4 8.0#

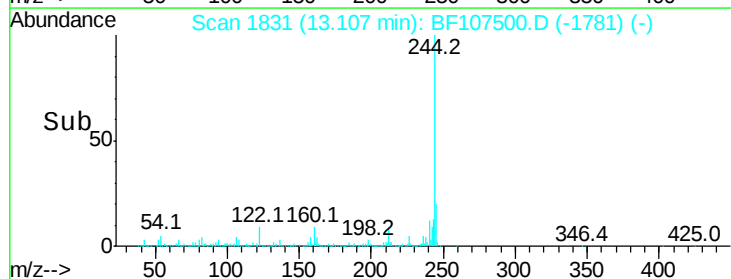
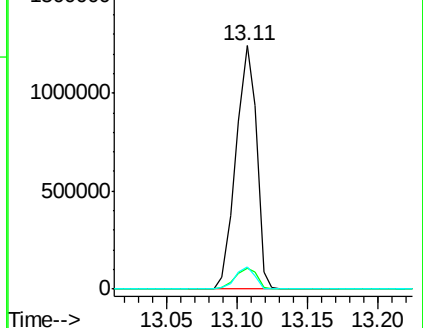
122 8.9 11.0 16.4#

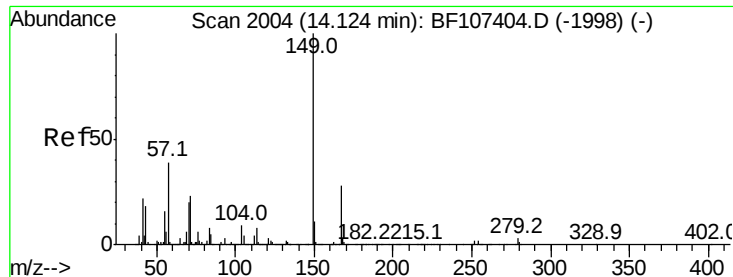


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

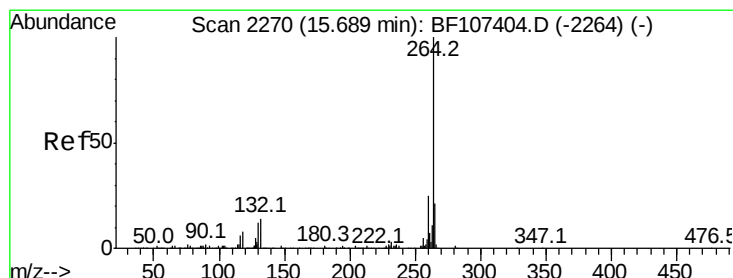
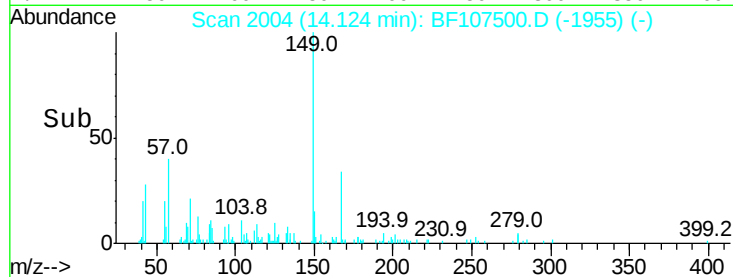
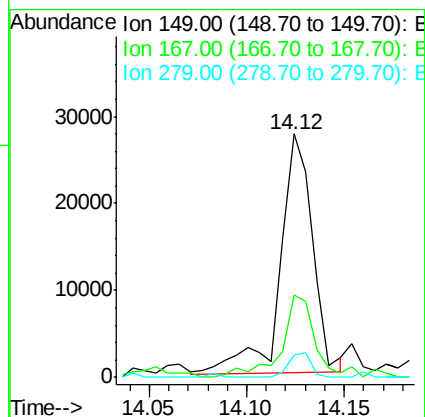
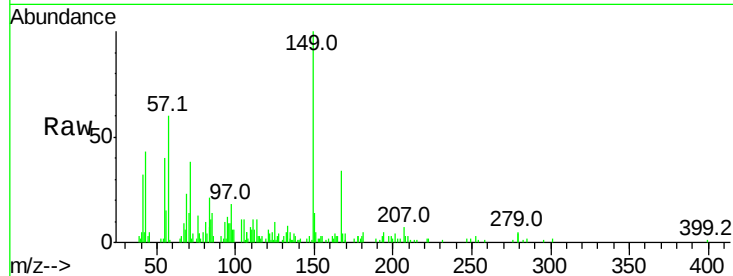




#83
Bis(2-ethylhexyl)phthalate
Concen: 2.778 ng
RT: 14.12 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BF107500.D
Acq: 19 Jul 2018 7:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 32024
Ion Ratio Lower Upper
149 100
167 34.0 21.3 31.9#
279 9.1 3.0 4.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF107500.D
Acq: 19 Jul 2018 7:36

Tgt Ion:264 Resp: 298057
Ion Ratio Lower Upper
264 100
260 22.5 19.2 28.8
265 19.1 17.5 26.3

