

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061518\
 Data File : BF106517.D
 Acq On : 16 Jun 2018 3:25
 Operator : JU/SJ
 Sample : J3449-03
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-50

Quant Time: Jun 16 04:17:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 15 11:11:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	103151	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	337936	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	133596	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	257182	20.00	ng	0.00
75) Chrysene-d12	14.14	240	260557	20.00	ng	-0.01
86) Perylene-d12	15.68	264	178538	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	388381	63.73	ng	0.00
7) Phenol-d6	6.61	99	293296	38.09	ng	0.00
23) Nitrobenzene-d5	7.53	82	541908	94.34	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	197643	153.76	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	907930	154.91	ng	0.00
78) Terphenyl-d14	13.08	244	1058316	100.88	ng	0.00

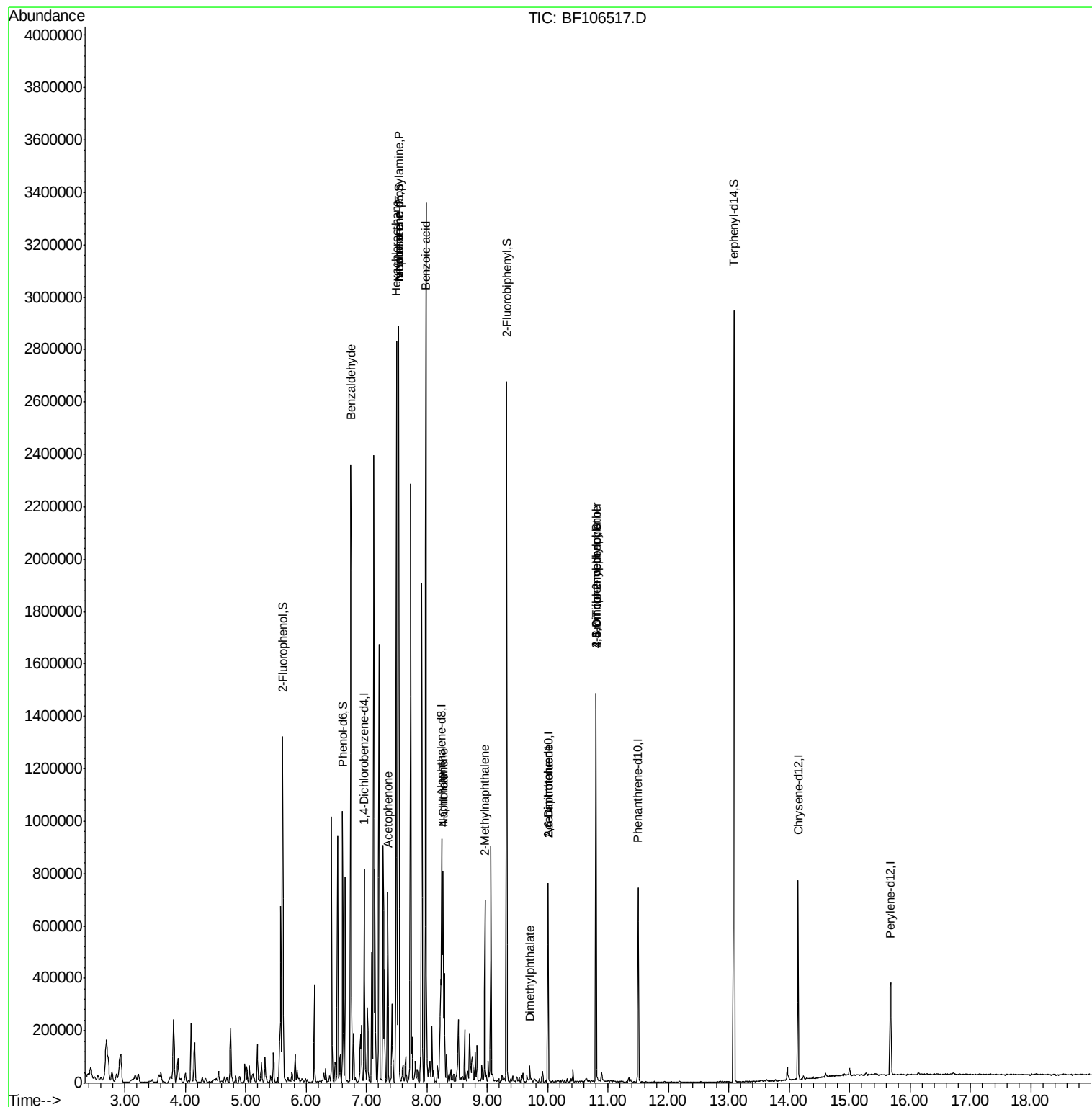
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.74	77	15588	2.669	ng	83
18) Hexachloroethane	7.50	117	243522	87.310	ng	# 1
19) n-Nitroso-di-n-propylamine	7.53	70	72049	12.472	ng	# 76
22) Acetophenone	7.35	105	259094	30.423	ng	# 57
24) Nitrobenzene	7.54	77	33277	5.330	ng	# 2
25) Isophorone	7.53	82	541903	48.297	ng	# 64
31) Naphthalene	8.27	128	285484	18.688	ng	99
32) Benzoic acid	7.99	122	266	7.353	ng	# 1
33) 4-Chloroaniline	8.27	127	41636	6.150	ng	# 31
37) 2-Methylnaphthalene	8.96	142	157324	15.120	ng	99
49) Dimethylphthalate	9.71	163	23404	2.452	ng	# 98
50) 2,6-Dinitrotoluene	10.01	165	17088	8.765	ng	# 27
56) 2,4-Dinitrotoluene	10.01	165	17088	6.980	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.80	198	359	6.520	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	12846	4.392	ng	# 1

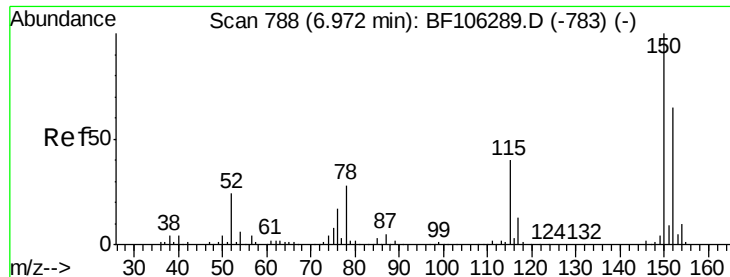
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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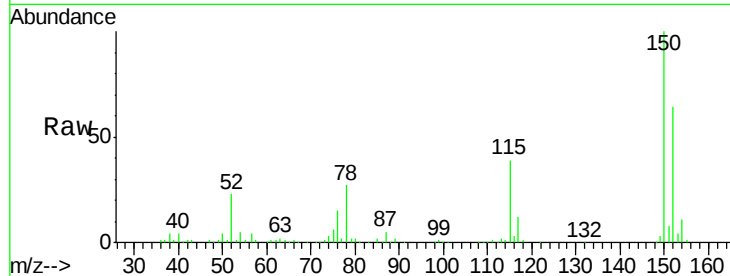


#1

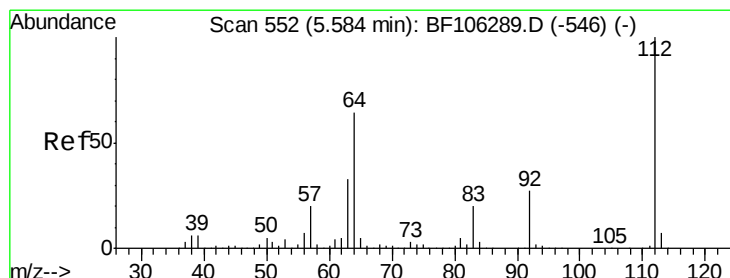
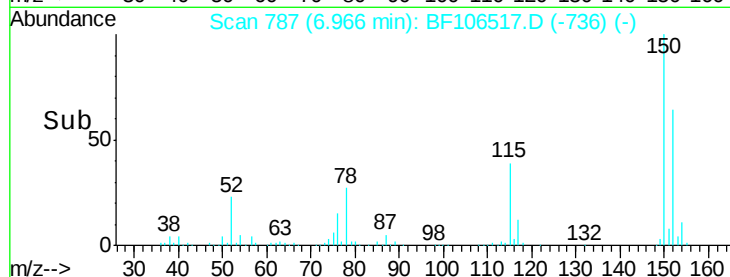
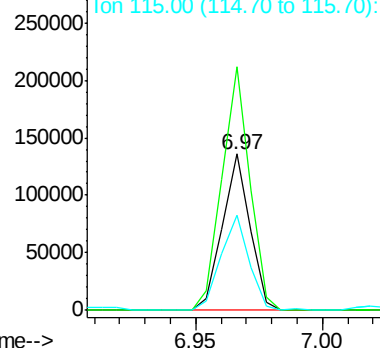
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF106517.D
Acq: 16 Jun 2018 3:25

Instrument :
BNA_F
ClientSampled :
W-50

Tgt Ion:152 Resp: 103151
Ion Ratio Lower Upper
152 100
150 155.9 124.6 186.8
115 61.2 50.1 75.1



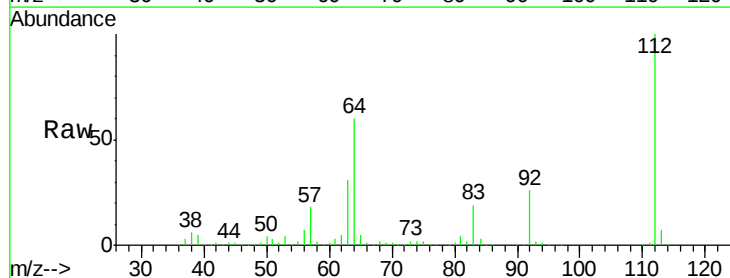
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



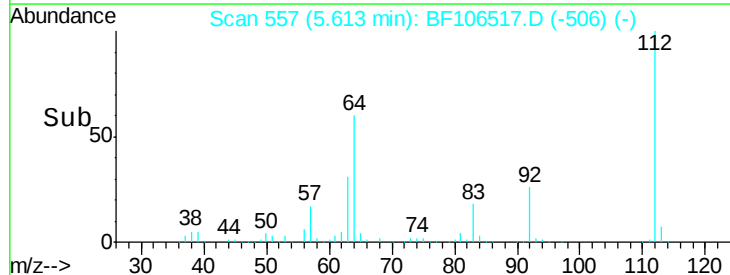
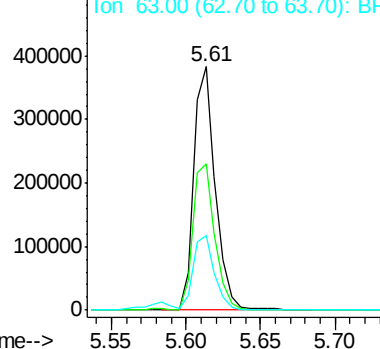
#5

2-Fluorophenol
Concen: 63.725 ng
RT: 5.61 min Scan# 557
Delta R.T. 0.00 min
Lab File: BF106517.D
Acq: 16 Jun 2018 3:25

Tgt Ion:112 Resp: 388381
Ion Ratio Lower Upper
112 100
64 59.9 47.9 71.9
63 30.7 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: 38.091 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106517.D

Acq: 16 Jun 2018 3:25

Instrument :

BNA_F

ClientSampleId :

W-50

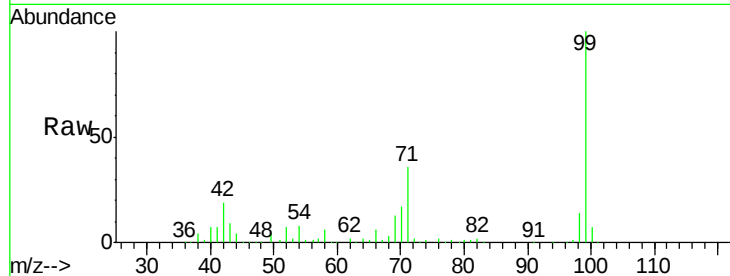
Tgt Ion: 99 Resp: 293296

Ion Ratio Lower Upper

99 100

42 18.6 14.5 21.7

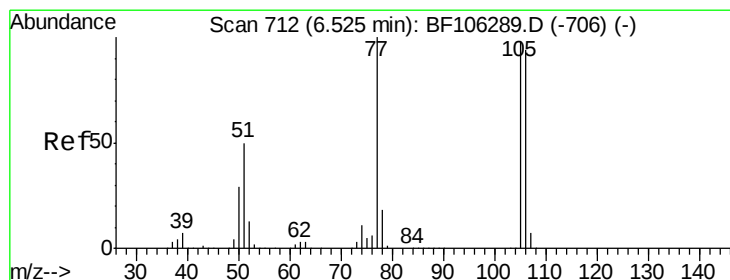
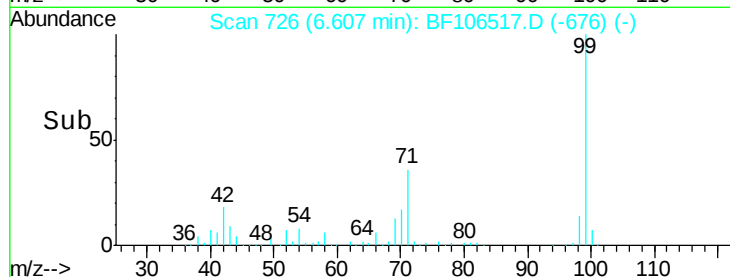
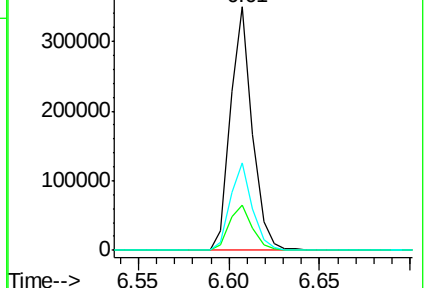
71 35.9 25.4 38.0



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: 2.669 ng

RT: 6.74 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF106517.D

Acq: 16 Jun 2018 3:25

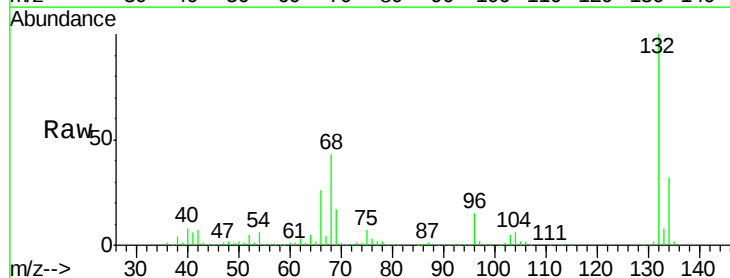
Tgt Ion: 77 Resp: 15588

Ion Ratio Lower Upper

77 100

105 84.1 81.1 121.1

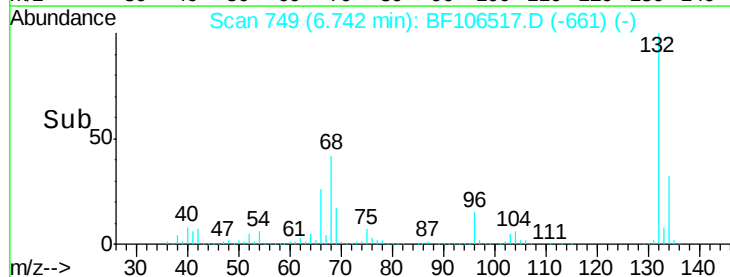
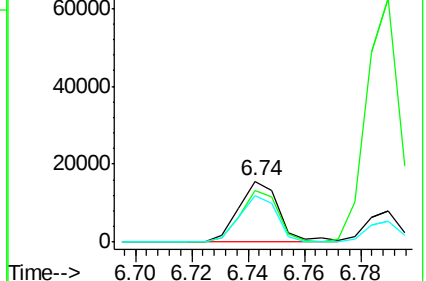
106 77.5 74.5 114.5

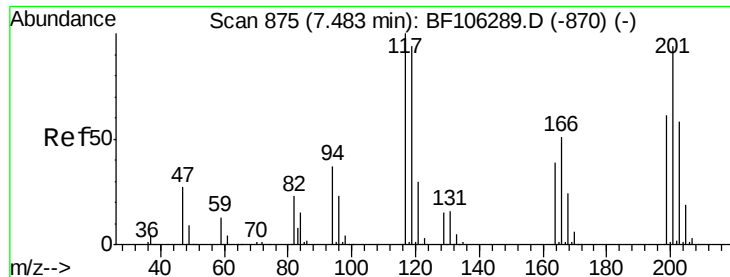


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

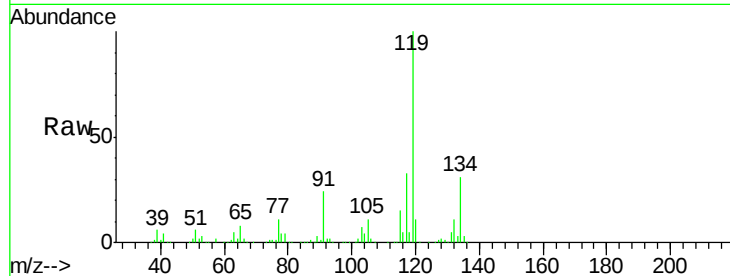




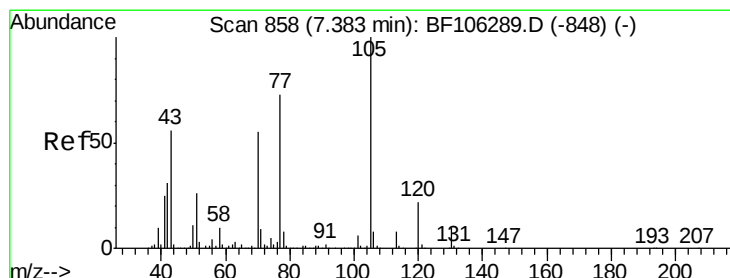
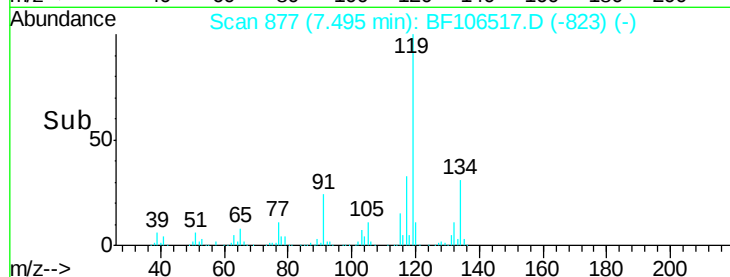
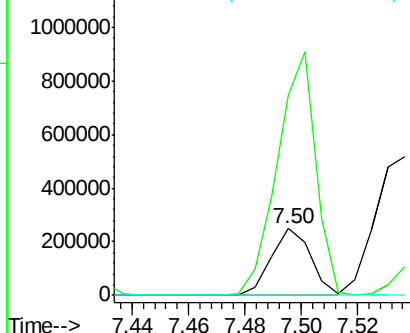
#18
Hexachloroethane
Concen: 87.310 ng
RT: 7.50 min Scan# 877
Delta R.T. 0.02 min
Lab File: BF106517.D
Acq: 16 Jun 2018 3:25

Instrument :
BNA_F
ClientSampleId :
W-50

Tgt Ion: 117 Resp: 243522
Ion Ratio Lower Upper
117 100
119 298.9 75.8 113.8#
201 0.0 75.7 113.5#

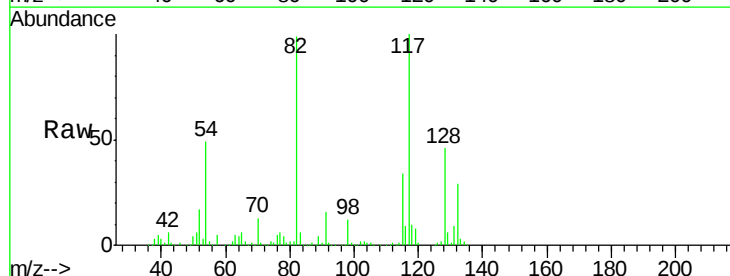


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

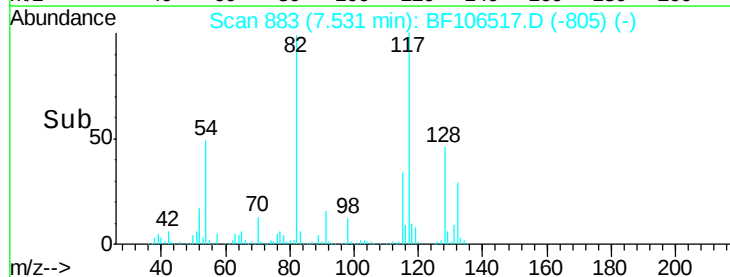
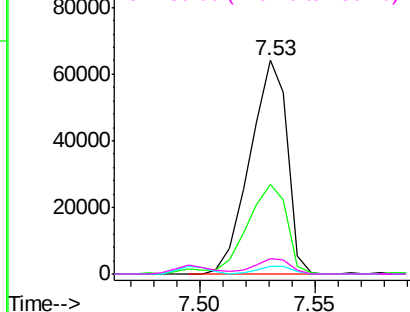


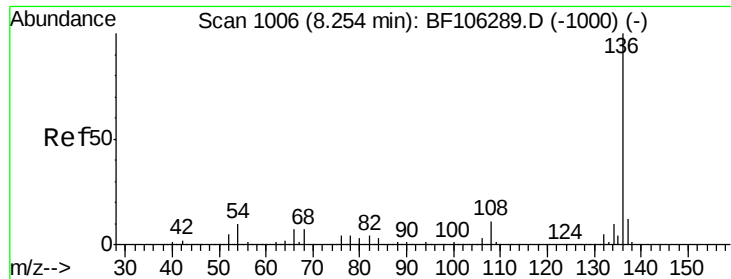
#19
n-Nitroso-di-n-propylamine
Concen: 12.472 ng
RT: 7.53 min Scan# 883
Delta R.T. 0.16 min
Lab File: BF106517.D
Acq: 16 Jun 2018 3:25

Tgt Ion: 70 Resp: 72049
Ion Ratio Lower Upper
70 100
42 42.2 47.5 71.3#
101 3.7 7.4 11.2#
130 7.2 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): E
Ion 130.00 (129.70 to 130.70): E

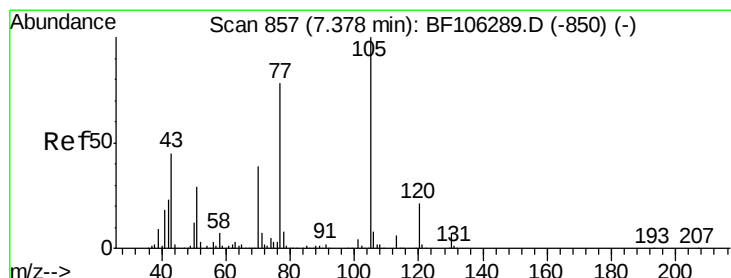
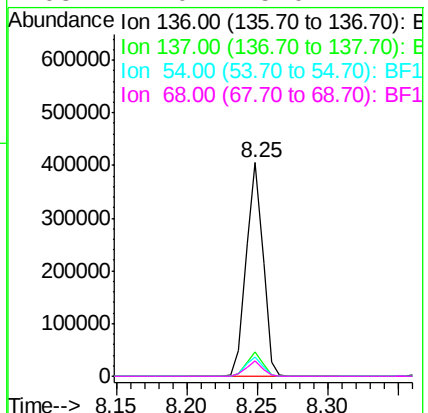
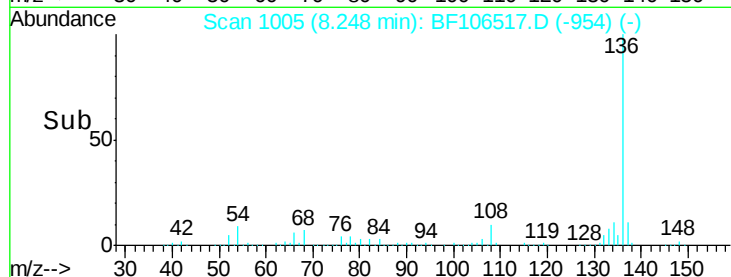
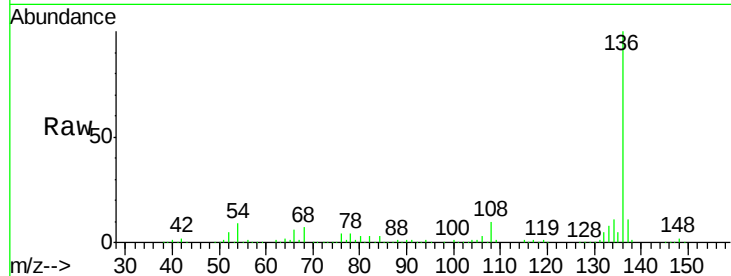




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF106517.D
Acq: 16 Jun 2018 3:25

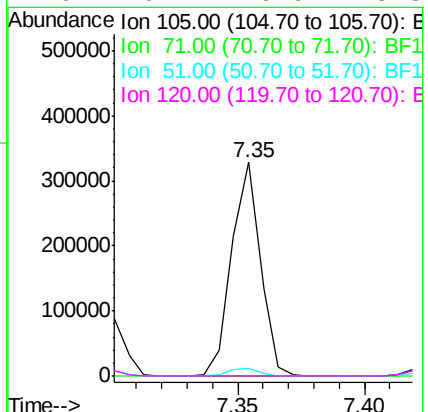
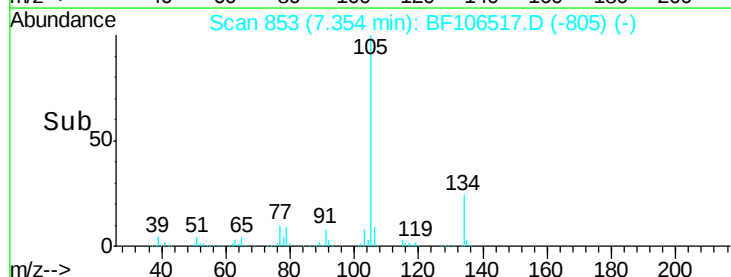
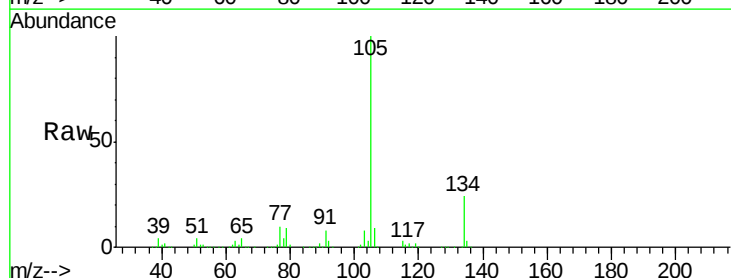
Instrument :
BNA_F
ClientSampleId :
W-50

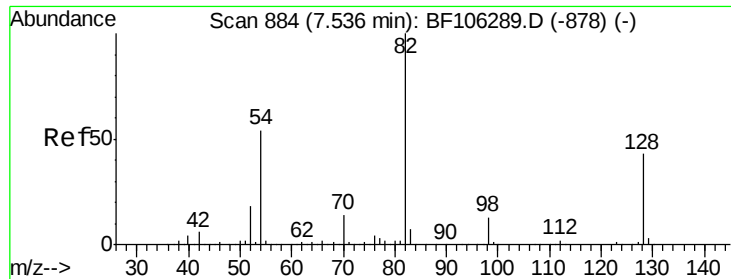
Tgt Ion:	136	Resp:	337936
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.9	6.6	9.8
68	7.0	5.0	7.4



#22
Acetophenone
Concen: 30.423 ng
RT: 7.35 min Scan# 853
Delta R.T. -0.02 min
Lab File: BF106517.D
Acq: 16 Jun 2018 3:25

Tgt Ion:	105	Resp:	259094
Ion	Ratio	Lower	Upper
105	100		
71	0.0	4.4	6.6#
51	3.5	22.3	33.5#
120	0.2	16.9	25.3#

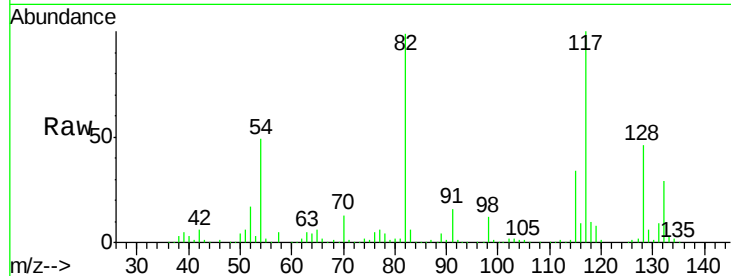




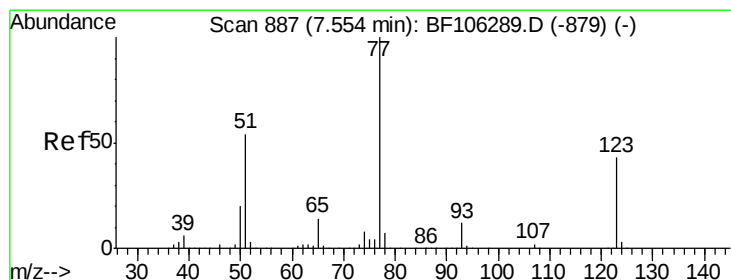
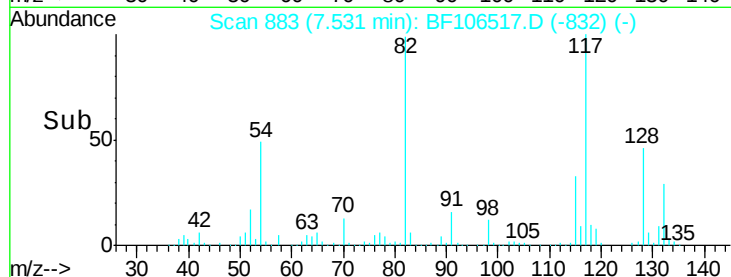
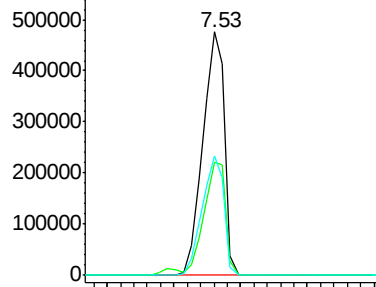
#23
 Nitrobenzene-d5
 Concen: 94.336 ng
 RT: 7.53 min Scan# 883
 Delta R.T. 0.00 min
 Lab File: BF106517.D
 Acq: 16 Jun 2018 3:25

Instrument :
 BNA_F
 ClientSampleId :
 W-50

Tgt Ion: 82 Resp: 541908
 Ion Ratio Lower Upper
 82 100
 128 46.6 36.1 54.1
 54 49.2 41.4 62.2

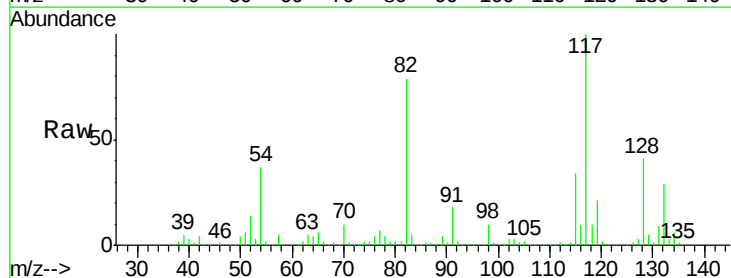


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

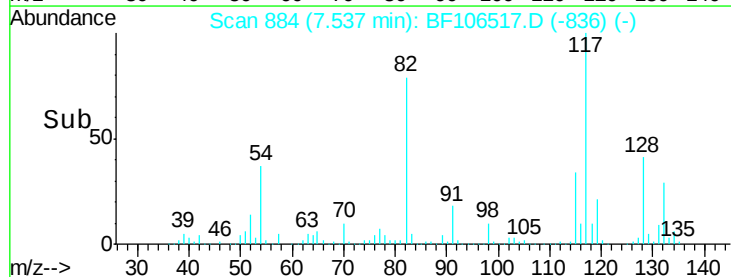
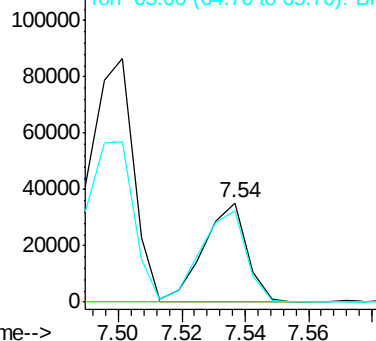


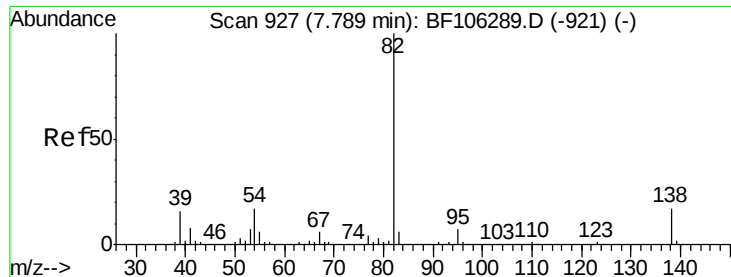
#24
 Nitrobenzene
 Concen: 5.330 ng
 RT: 7.54 min Scan# 884
 Delta R.T. -0.02 min
 Lab File: BF106517.D
 Acq: 16 Jun 2018 3:25

Tgt Ion: 77 Resp: 33277
 Ion Ratio Lower Upper
 77 100
 123 0.0 37.9 56.9#
 65 92.3 11.0 16.4#



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1

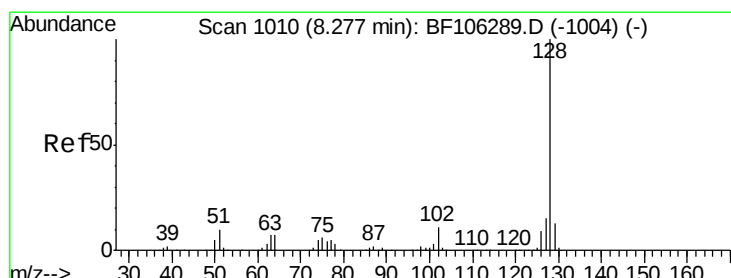
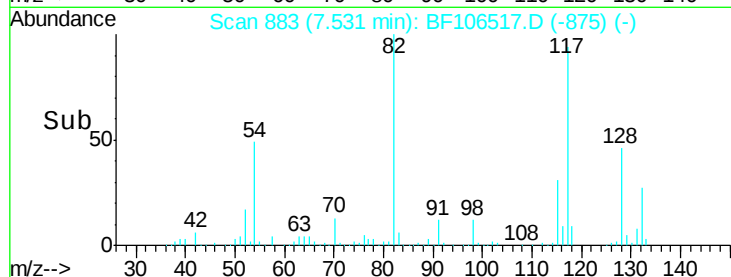
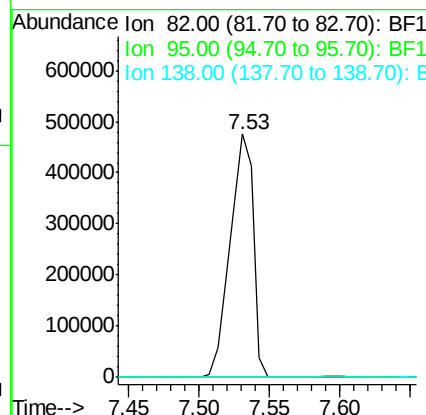
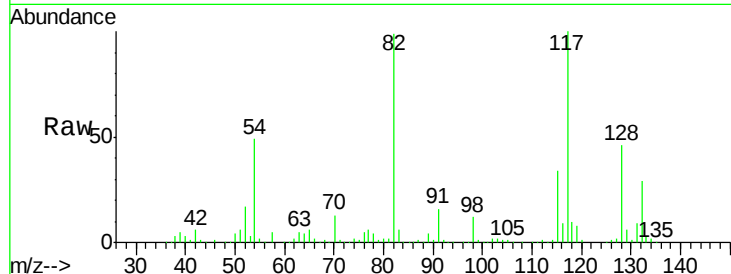




#25
Isophorone
Concen: 48.297 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.25 min
Lab File: BF106517.D
Acq: 16 Jun 2018 3:25

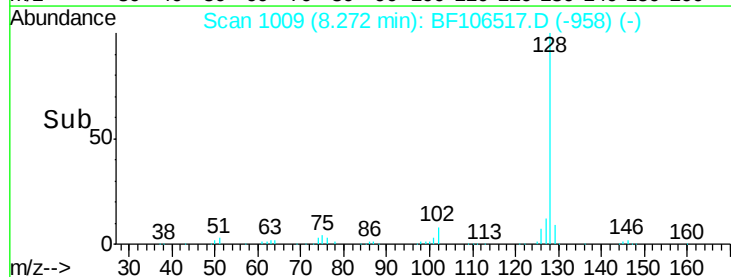
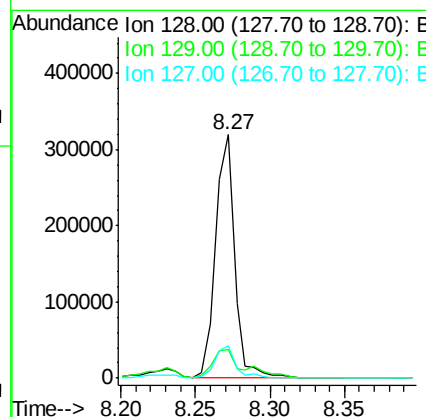
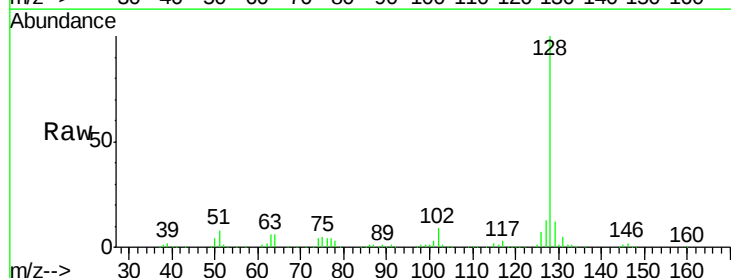
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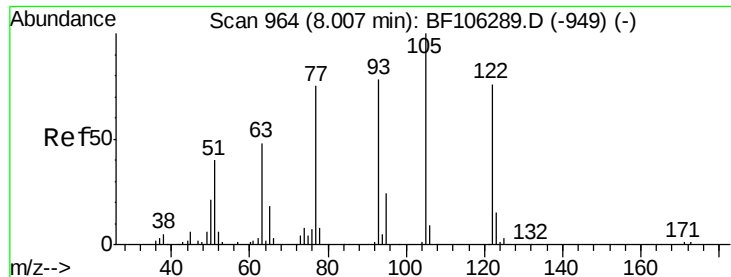
Tgt Ion: 82 Resp: 541903
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#31
Naphthalene
Concen: 18.688 ng
RT: 8.27 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF106517.D
Acq: 16 Jun 2018 3:25

Tgt Ion: 128 Resp: 285484
Ion Ratio Lower Upper
128 100
129 11.5 8.8 13.2
127 13.1 10.9 16.3





#32

Benzoic acid

Concen: 7.353 ng

RT: 7.99 min Scan# 961

Delta R.T. -0.02 min

Lab File: BF106517.D

Acq: 16 Jun 2018 3:25

Instrument :

BNA_F

ClientSampleId :

W-50

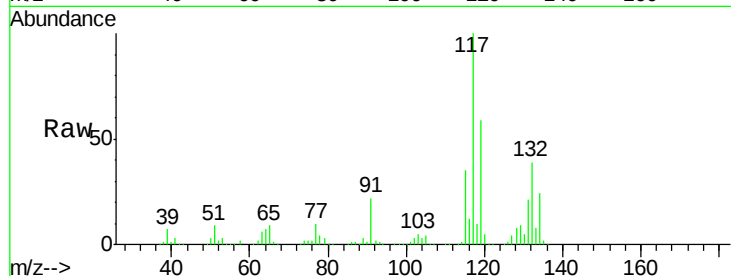
Tgt Ion:122 Resp: 266

Ion Ratio Lower Upper

122 100

105 5161.8 101.1 141.1#

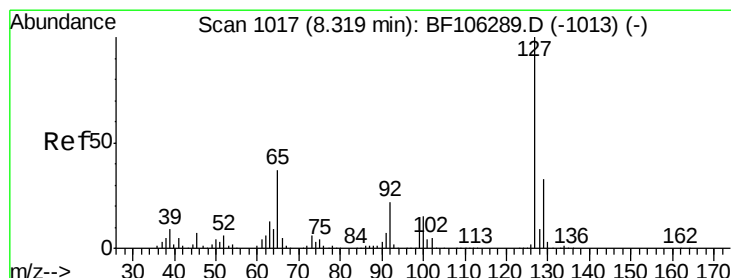
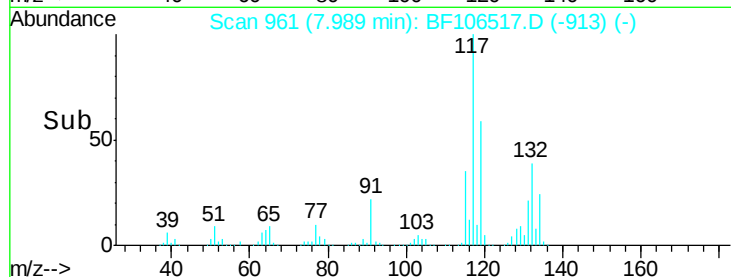
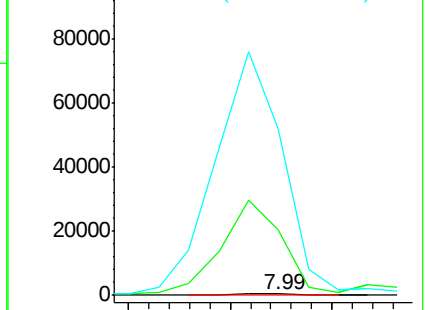
77 13095.5 70.7 110.7#



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: 6.150 ng

RT: 8.27 min Scan# 1009

Delta R.T. -0.05 min

Lab File: BF106517.D

Acq: 16 Jun 2018 3:25

Tgt Ion:127 Resp: 41636

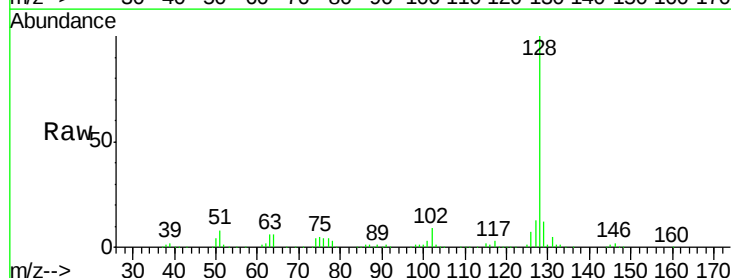
Ion Ratio Lower Upper

127 100

129 87.8 25.9 38.9#

65 0.0 25.0 37.4#

92 0.8 15.2 22.8#

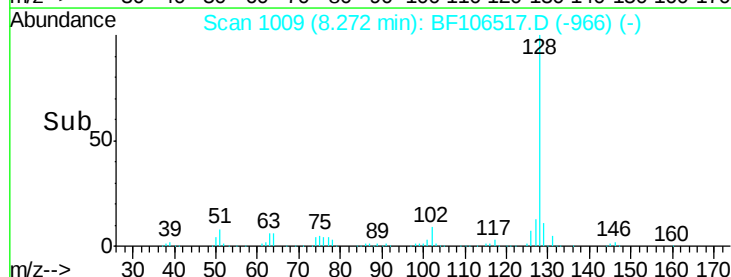
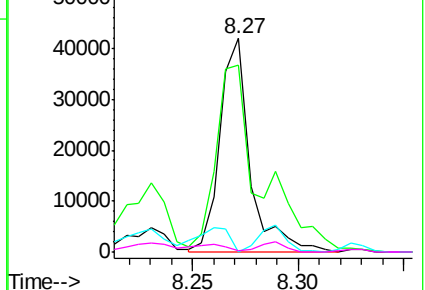


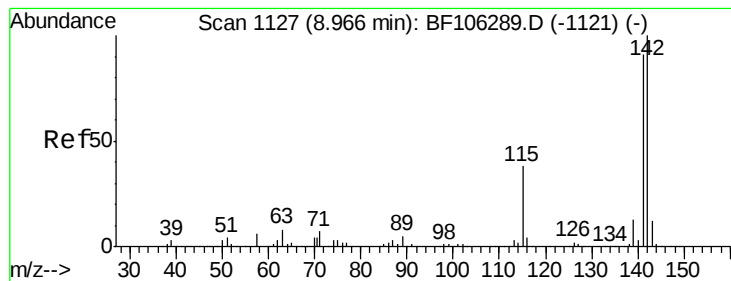
Abundance Ion 127.00 (126.70 to 127.70): E

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





#37

2-Methylnaphthalene

Concen: 15.120 ng

RT: 8.96 min Scan# 1126

Delta R.T. -0.01 min

Lab File: BF106517.D

Acq: 16 Jun 2018 3:25

Instrument :

BNA_F

ClientSampleId :

W-50

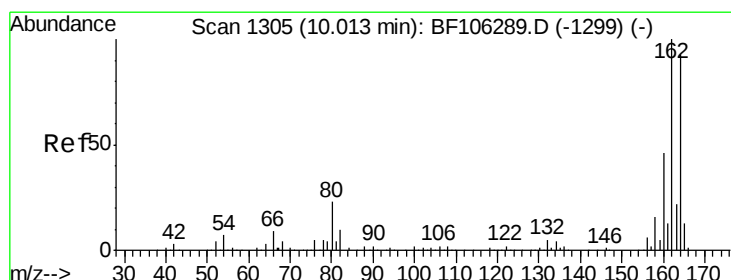
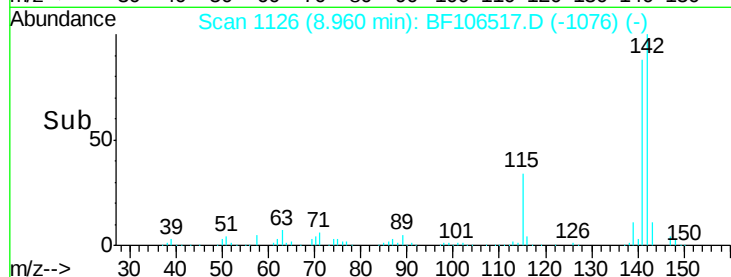
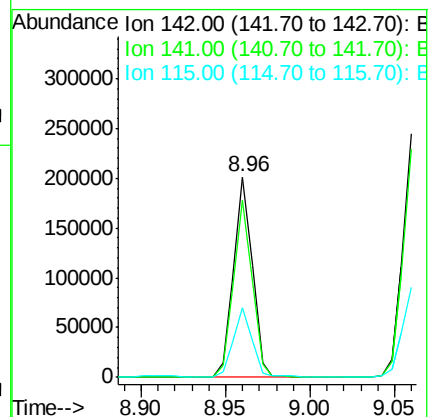
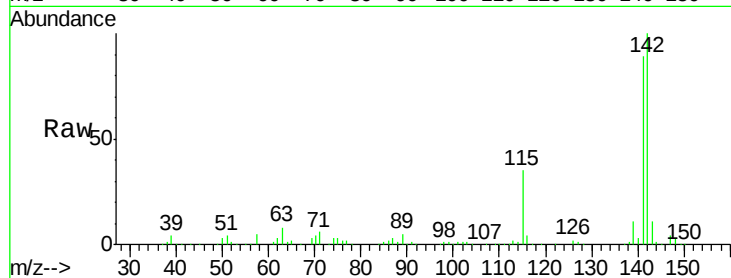
Tgt Ion:142 Resp: 157324

Ion Ratio Lower Upper

142 100

141 88.7 70.8 106.2

115 34.8 26.1 39.1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BF106517.D

Acq: 16 Jun 2018 3:25

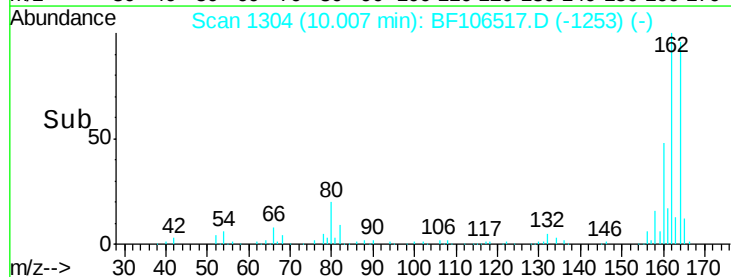
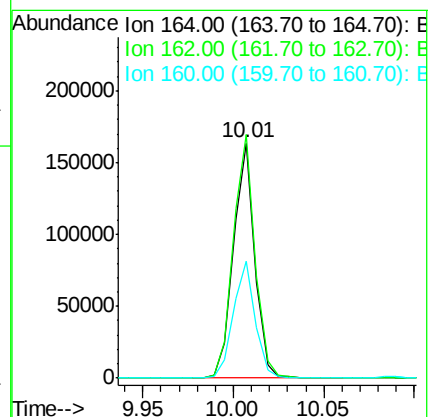
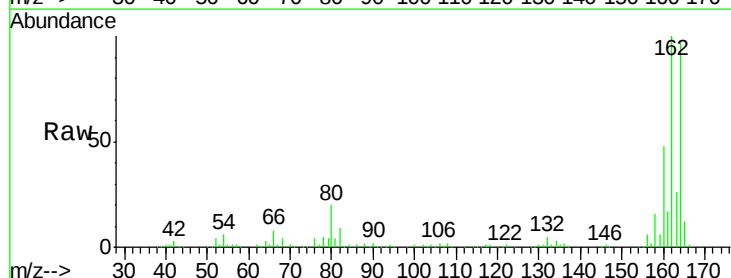
Tgt Ion:164 Resp: 133596

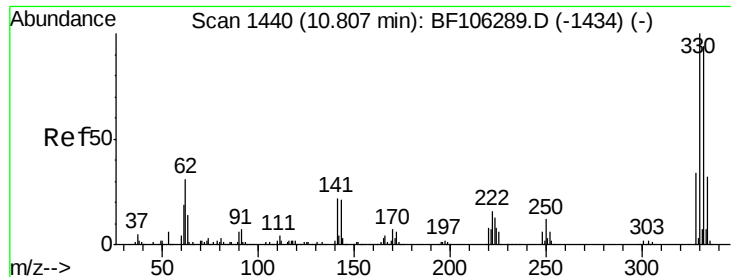
Ion Ratio Lower Upper

164 100

162 103.5 86.1 129.1

160 49.7 38.3 57.5

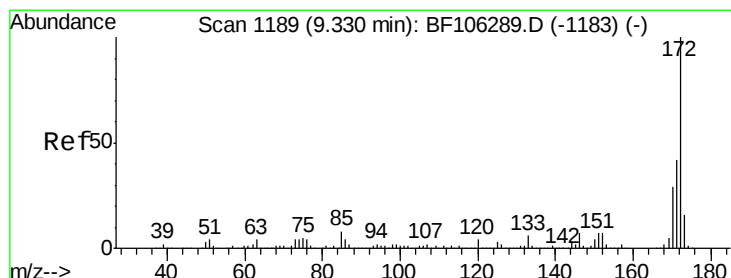
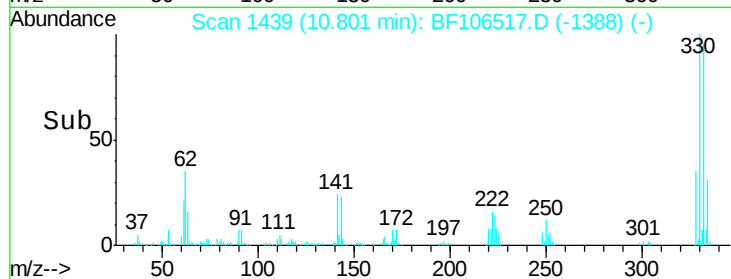
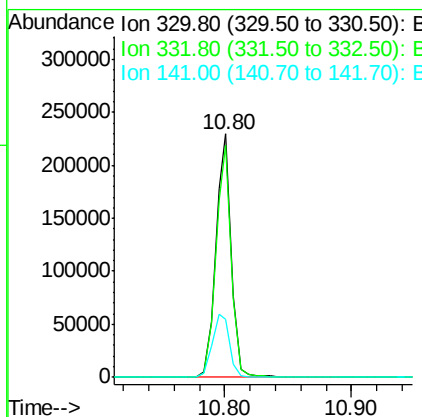
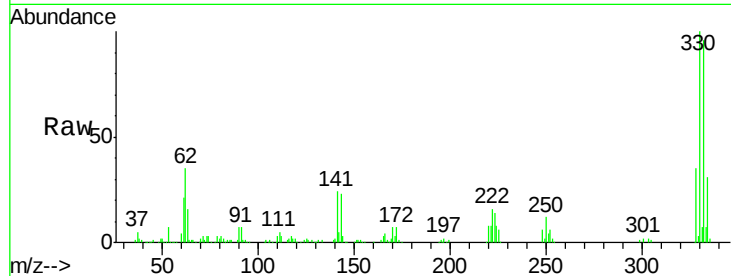




#41
 2,4,6-Tribromophenol
 Concen: 153.757 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF106517.D
 Acq: 16 Jun 2018 3:25

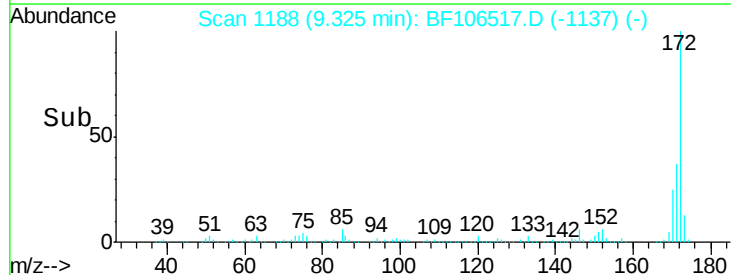
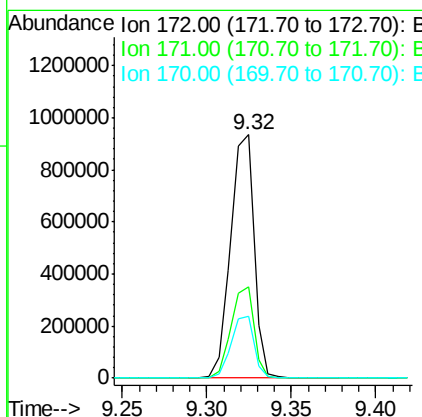
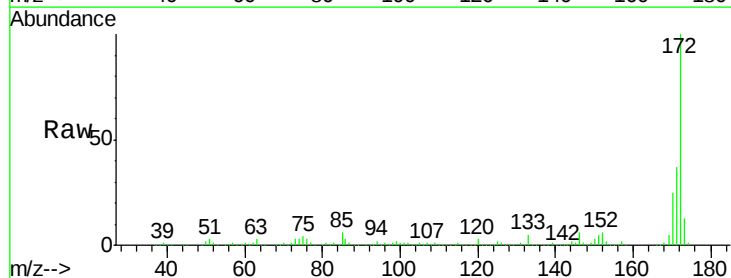
Instrument :
 BNA_F
 ClientSampleId :
 W-50

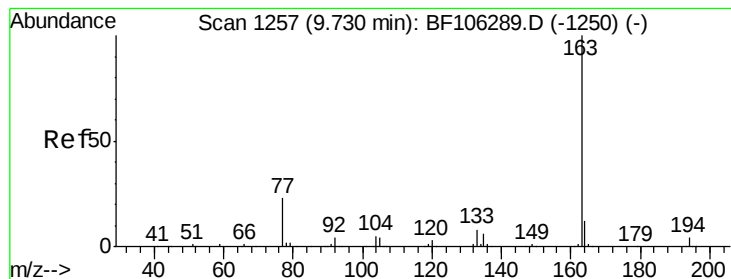
Tgt Ion:330 Resp: 197643
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.0 115.6
 141 29.4 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 154.907 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: BF106517.D
 Acq: 16 Jun 2018 3:25

Tgt Ion:172 Resp: 907930
 Ion Ratio Lower Upper
 172 100
 171 37.5 29.7 44.5
 170 25.2 19.6 29.4





#49

Dimethylphthalate

Concen: 2.452 ng

RT: 9.71 min Scan# 1254

Delta R.T. -0.01 min

Lab File: BF106517.D

Acq: 16 Jun 2018 3:25

Instrument :

BNA_F

ClientSampleId :

W-50

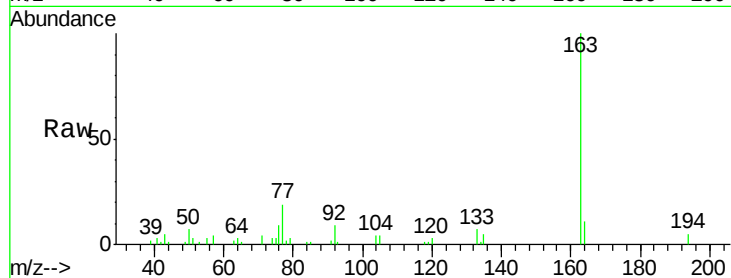
Tgt Ion:163 Resp: 23404

Ion Ratio Lower Upper

163 100

194 4.8 2.7 4.1#

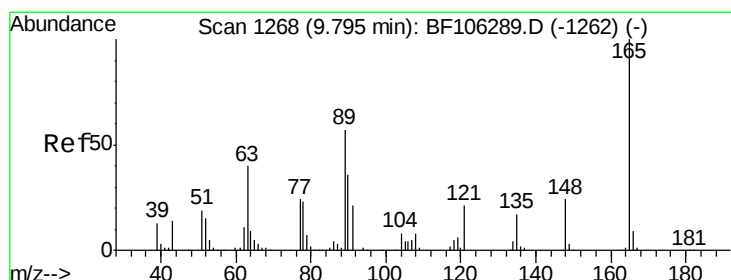
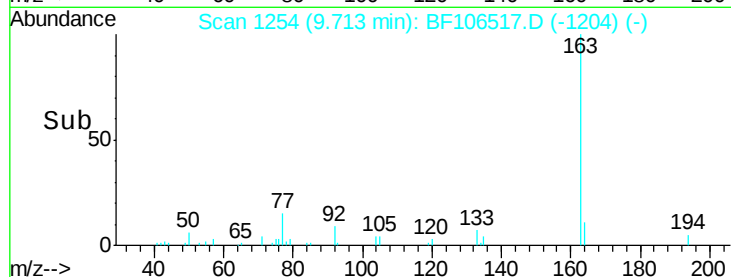
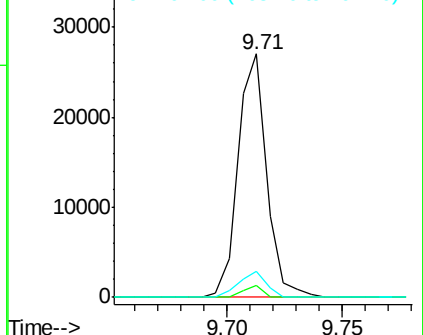
164 10.6 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.765 ng

RT: 10.01 min Scan# 1304

Delta R.T. 0.22 min

Lab File: BF106517.D

Acq: 16 Jun 2018 3:25

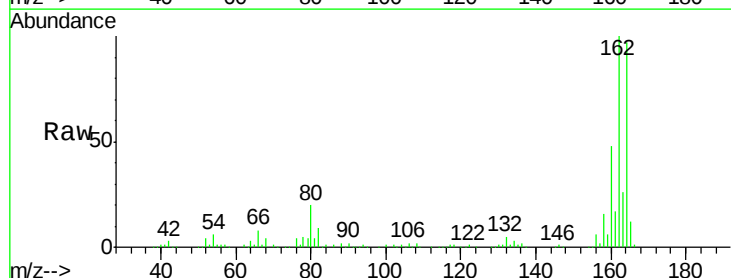
Tgt Ion:165 Resp: 17088

Ion Ratio Lower Upper

165 100

63 2.6 44.7 67.1#

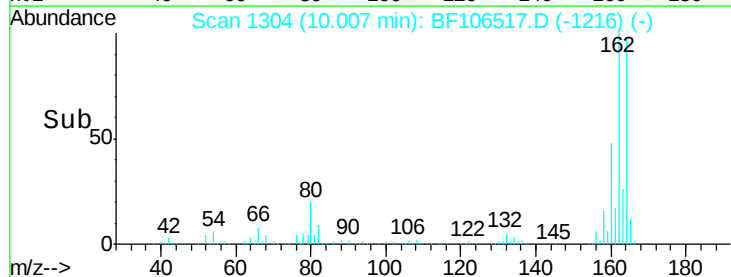
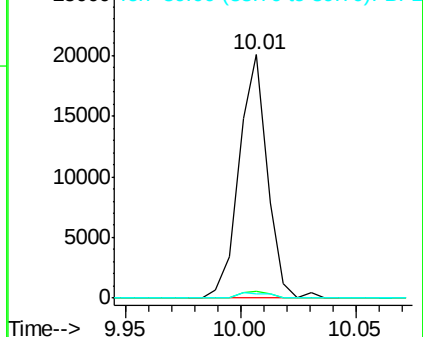
89 1.7 44.0 66.0#

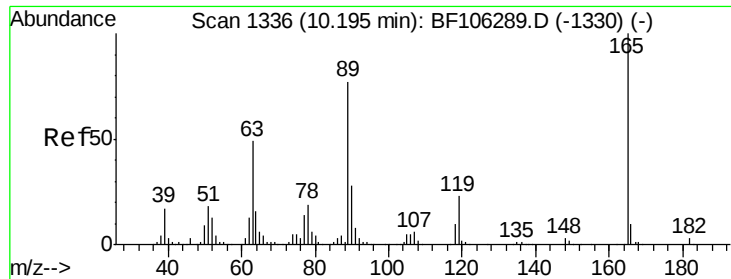


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

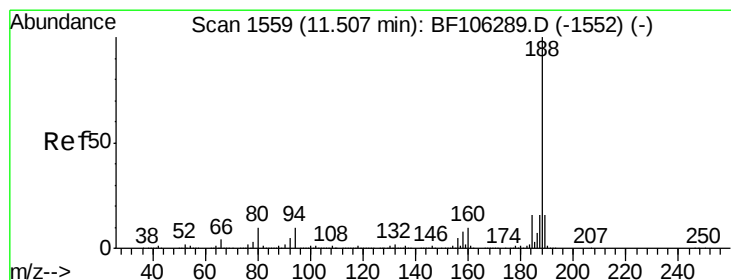
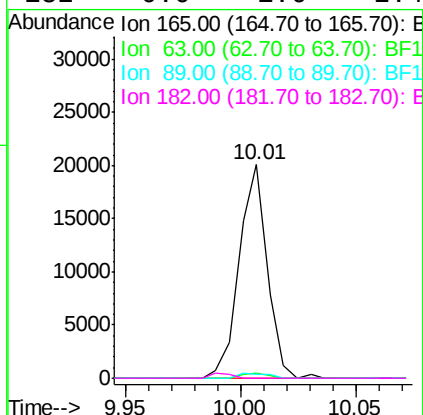
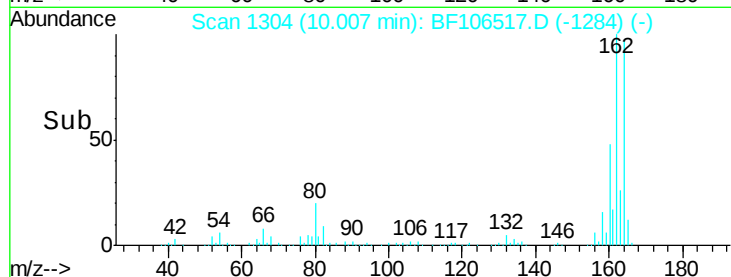
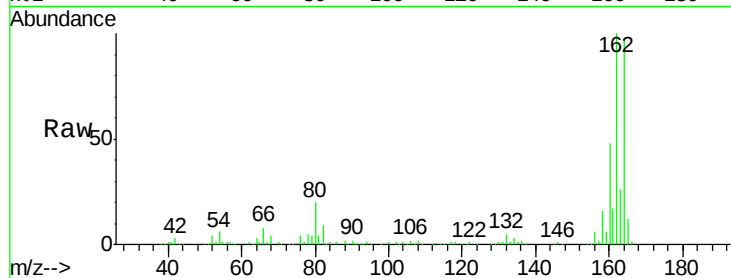




#56
2,4-Dinitrotoluene
Concen: 6.980 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.18 min
Lab File: BF106517.D
Acq: 16 Jun 2018 3:25

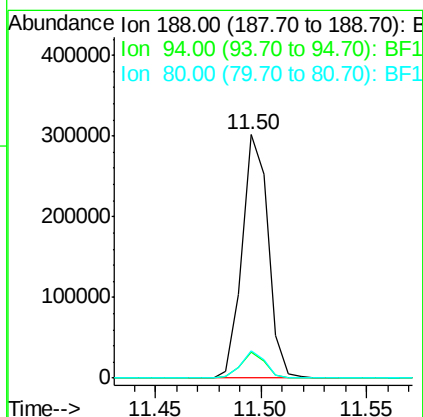
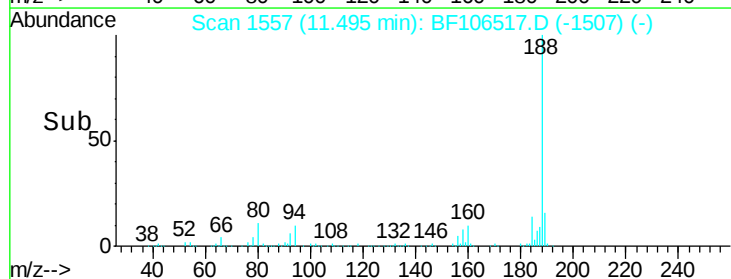
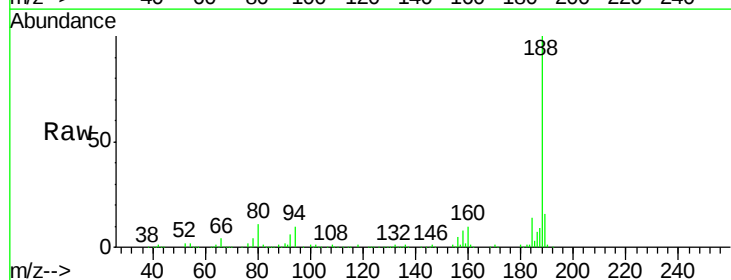
Instrument :
BNA_F
ClientSampleId :
W-50

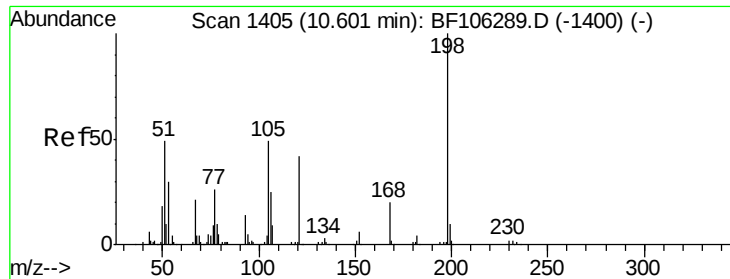
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.6	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106517.D
Acq: 16 Jun 2018 3:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.5	12.7
80	11.3	9.2	13.8

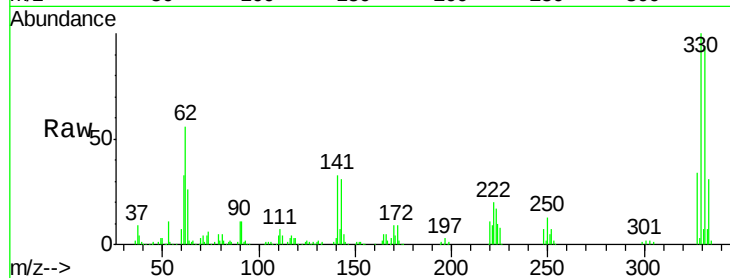




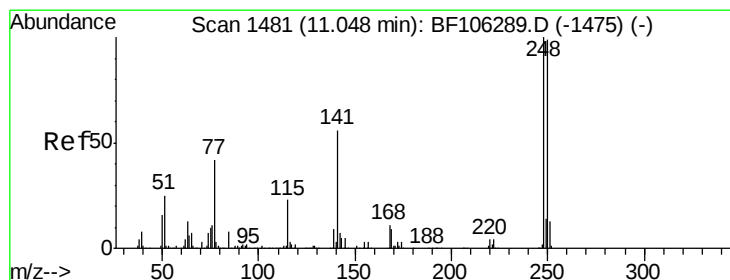
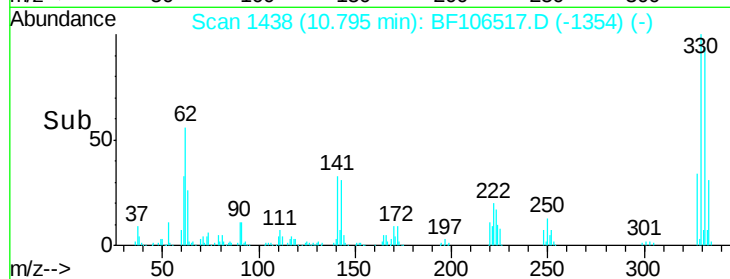
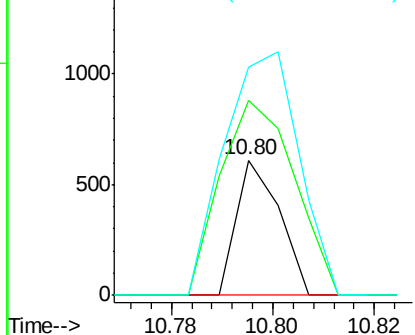
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.520 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. 0.19 min
 Lab File: BF106517.D
 Acq: 16 Jun 2018 3:25

Instrument :
 BNA_F
 ClientSampleId :
 W-50

Tgt Ion:198 Resp: 359
 Ion Ratio Lower Upper
 198 100
 51 144.5 37.7 77.7#
 105 169.2 36.3 76.3#

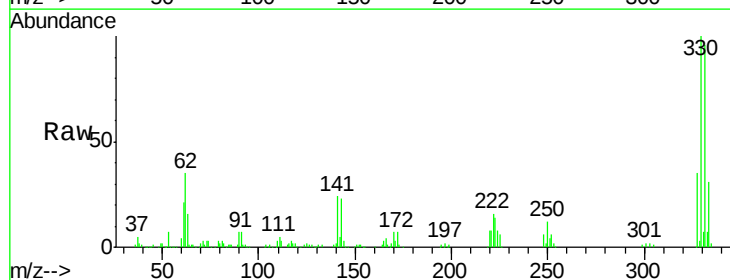


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

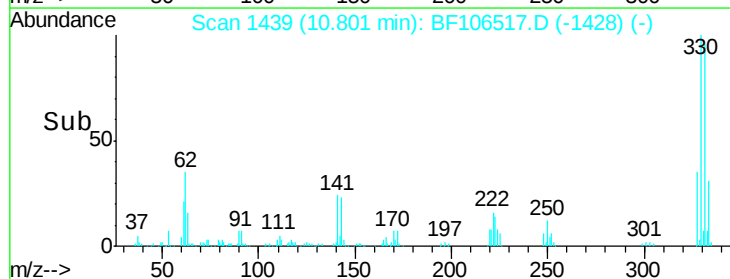
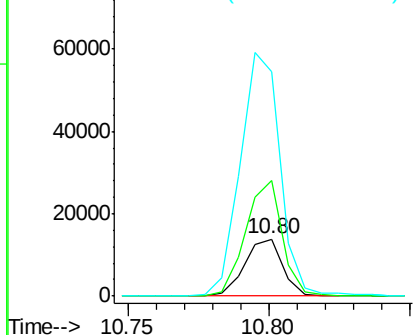


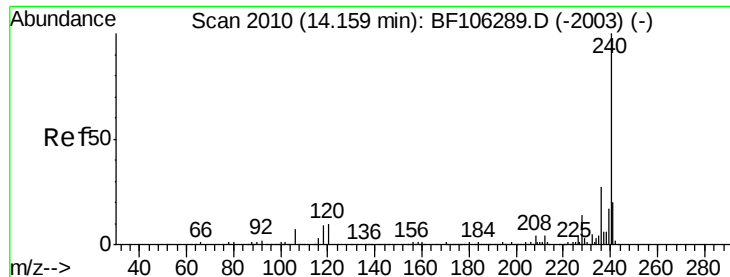
#66
 4-Bromophenyl-phenylether
 Concen: 4.392 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.24 min
 Lab File: BF106517.D
 Acq: 16 Jun 2018 3:25

Tgt Ion:248 Resp: 12846
 Ion Ratio Lower Upper
 248 100
 250 201.8 76.9 115.3#
 141 391.5 74.4 111.6#



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF106517.D

Acq: 16 Jun 2018 3:25

Instrument :

BNA_F

ClientSampleId :

W-50

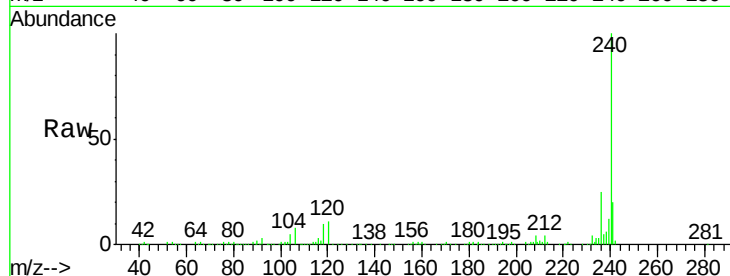
Tgt Ion:240 Resp: 260557

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

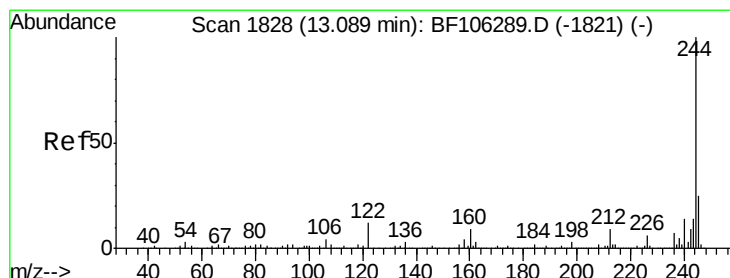
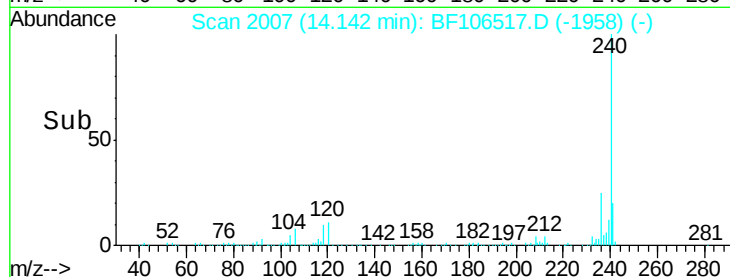
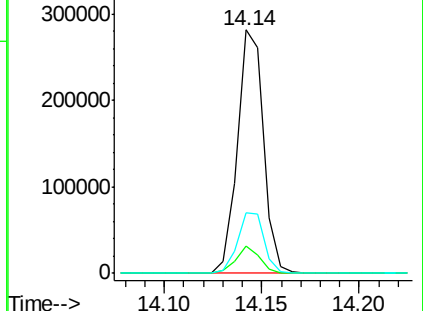
236 25.1 20.7 31.1



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: 100.885 ng

RT: 13.08 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF106517.D

Acq: 16 Jun 2018 3:25

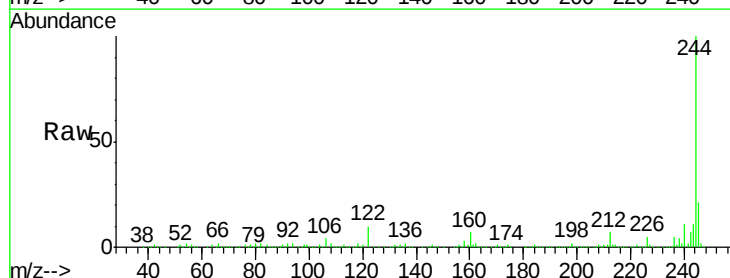
Tgt Ion:244 Resp: 1058316

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

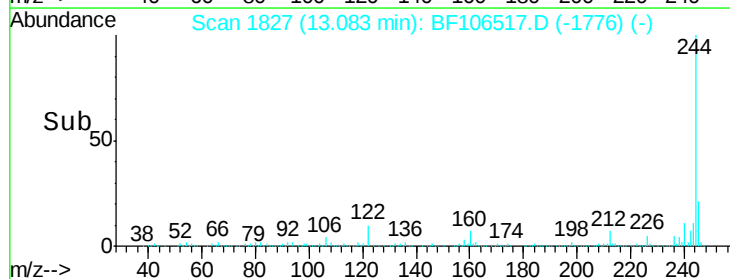
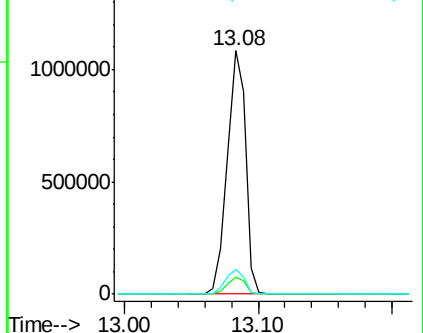
122 10.3 11.0 16.4#

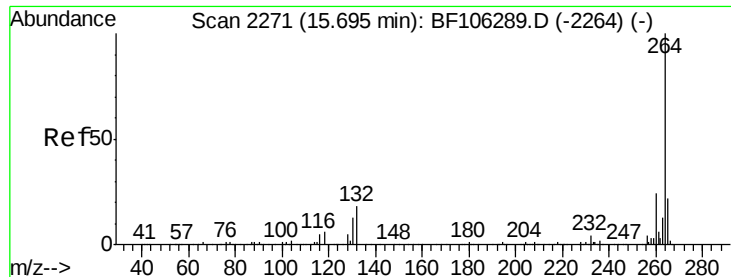


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

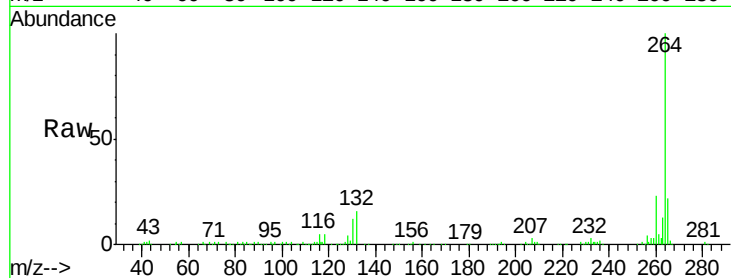




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF106517.D
Acq: 16 Jun 2018 3:25

Instrument :
BNA_F
ClientSampleId :
W-50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.8	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

