

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\
 Data File : BF106559.D
 Acq On : 19 Jun 2018 1:29
 Operator : JU/SJ
 Sample : J3564-06
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 19 08:25:53 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	112539	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	372085	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	140993	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	205107	20.00	ng	0.02
75) Chrysene-d12	14.17	240	294153	20.00	ng	0.01
86) Perylene-d12	15.70	264	241188	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	445513	67.00	ng	0.00
7) Phenol-d6	6.62	99	354831	42.24	ng	0.01
23) Nitrobenzene-d5	7.54	82	653116	103.26	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	228684	168.57	ng	0.02
44) 2-Fluorobiphenyl	9.33	172	965754	157.79	ng	0.00
78) Terphenyl-d14	13.11	244	921773	77.83	ng	0.02

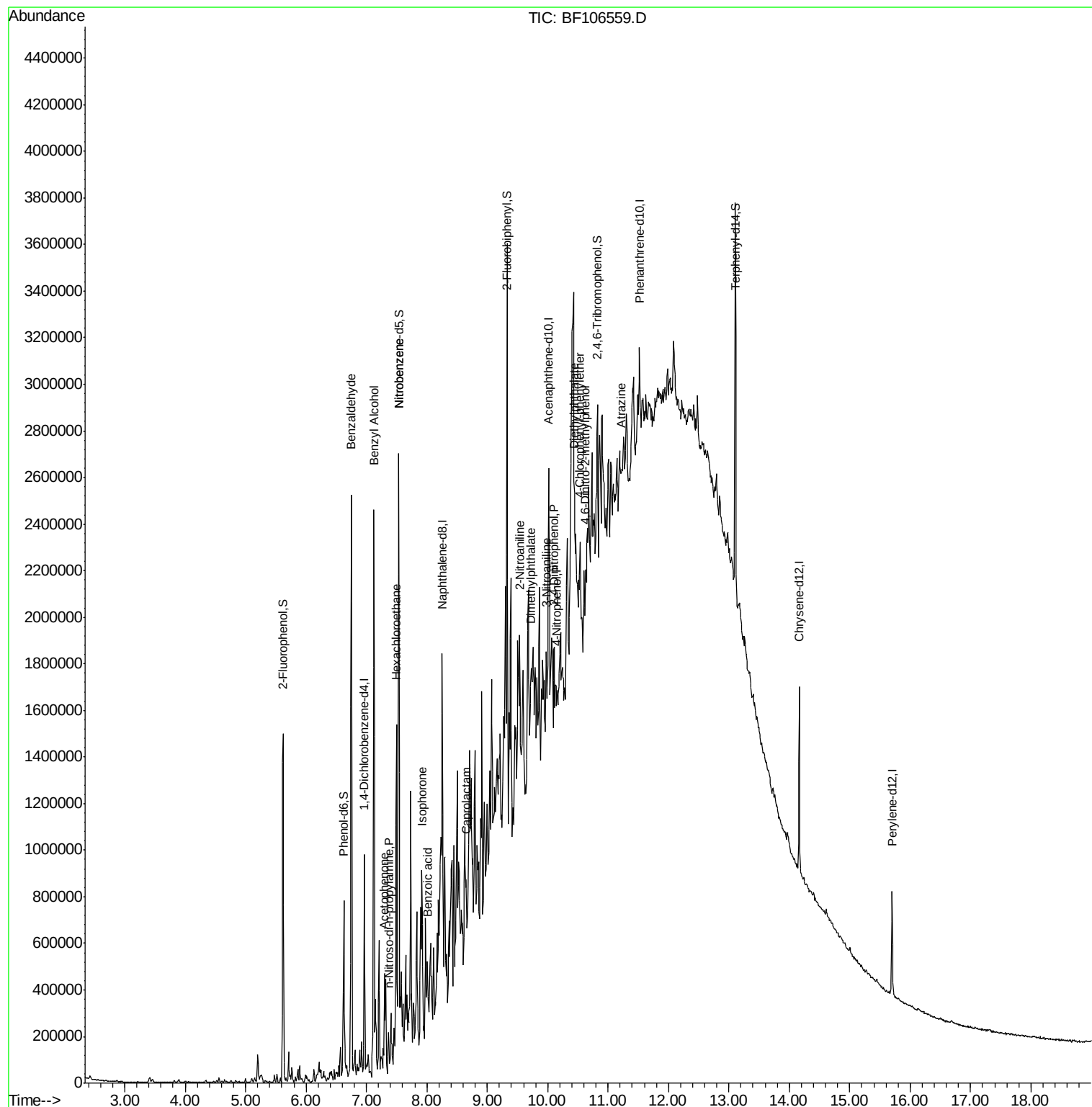
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.75	77	18048	2.832	ng	83
15) Benzyl Alcohol	7.12	79	14836	2.062	ng	# 35
18) Hexachloroethane	7.50	117	101136	33.235	ng	# 1
19) n-Nitroso-di-n-propylamine	7.37	70	22930	3.638	ng	# 59
22) Acetophenone	7.30	105	75728	8.076	ng	# 71
24) Nitrobenzene	7.54	77	20827	3.030	ng	# 17
25) Isophorone	7.92	82	60825	4.924	ng	# 27
32) Benzoic acid	8.00	122	228	7.339	ng	# 1
35) Caprolactam	8.65	113	3975	2.329	ng	# 1
47) 2-Nitroaniline	9.53	65	7087	2.578	ng	# 33
49) Dimethylphthalate	9.72	163	48392	4.804	ng	# 46
52) 3-Nitroaniline	9.97	138	13566	5.555	ng	# 27
53) 2,4-Dinitrophenol	10.10	184	54	8.665	ng	# 1
55) 4-Nitrophenol	10.15	139	4092	2.186	ng	# 1
59) Diethylphthalate	10.45	149	50050	5.006	ng	# 39
60) 4-Chlorophenyl-phenylether	10.54	204	17307	3.570	ng	# 73
64) 4,6-Dinitro-2-methylphenol	10.63	198	2043	7.899	ng	# 1
68) Atrazine	11.21	200	6011	2.830	ng	# 1

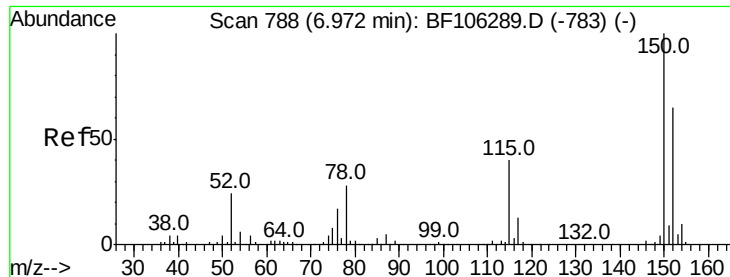
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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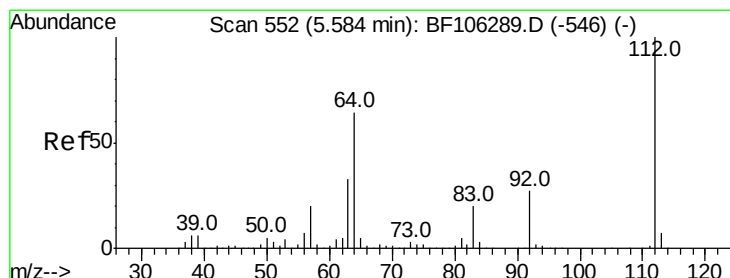
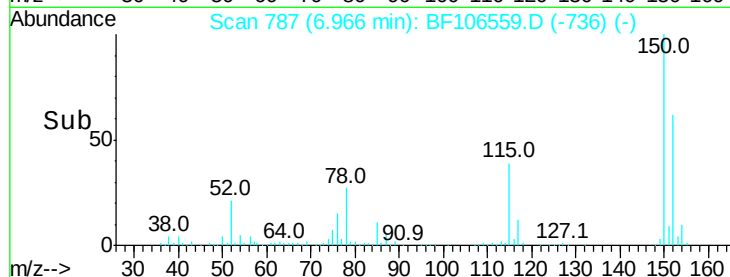
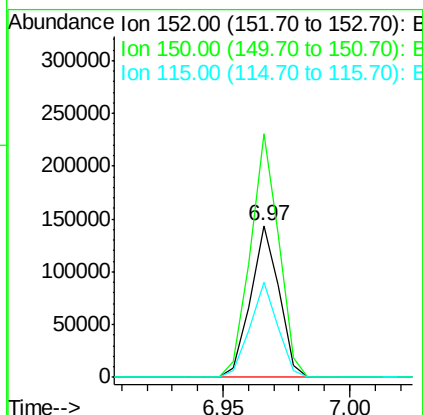
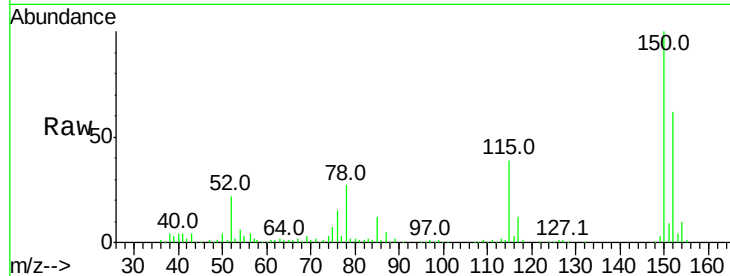


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF106559.D
Acq: 19 Jun 2018 1:29

Instrument :
BNA_F
ClientSampleId :

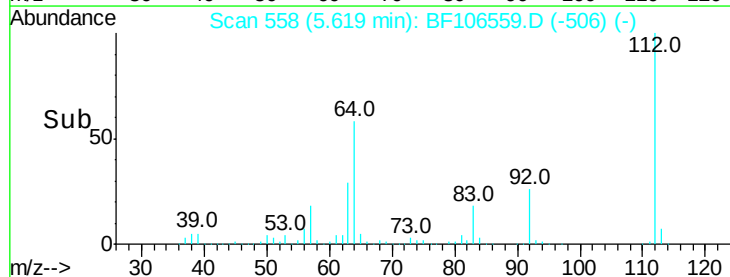
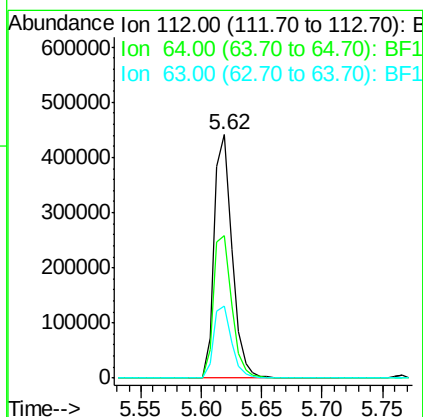
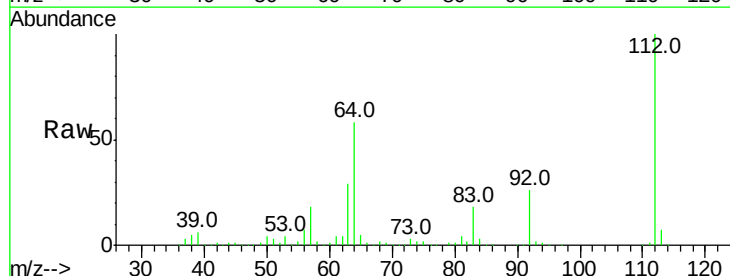
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	124.6	186.8
115	62.7	50.1	75.1

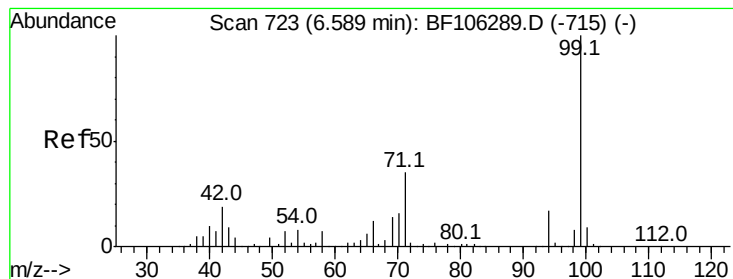


#5

2-Fluorophenol
Concen: 67.002 ng
RT: 5.62 min Scan# 558
Delta R.T. 0.01 min
Lab File: BF106559.D
Acq: 19 Jun 2018 1:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	47.9	71.9
63	29.5	23.7	35.5





#7

Phenol-d6

Concen: 42.238 ng

RT: 6.62 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF106559.D

Acq: 19 Jun 2018 1:29

Instrument :

BNA_F

ClientSampleId :

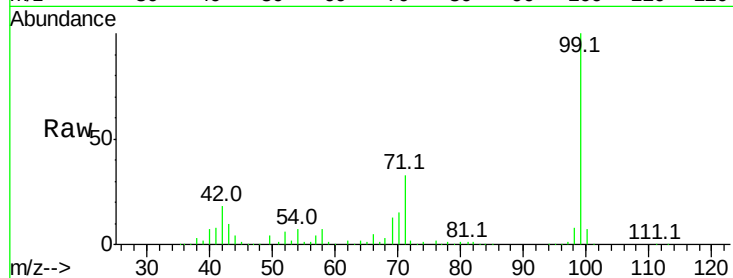
Tot Ion: 99 Resp: 354831

Ion Ratio Lower Upper

99 100

42 17.8 14.5 21.7

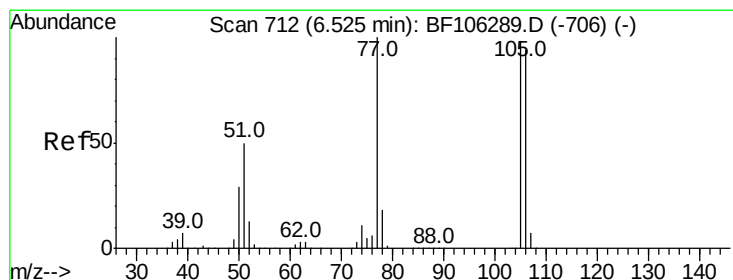
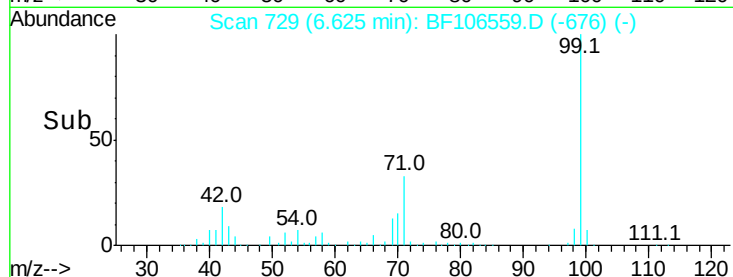
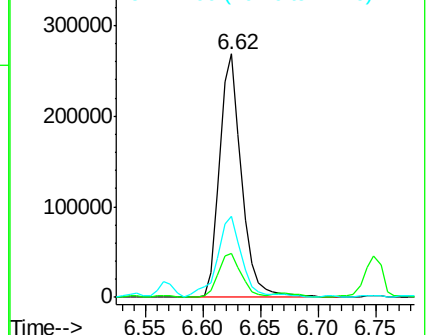
71 33.1 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.832 ng

RT: 6.75 min Scan# 750

Delta R.T. 0.22 min

Lab File: BF106559.D

Acq: 19 Jun 2018 1:29

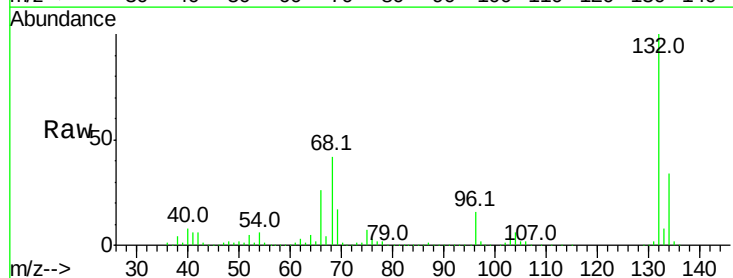
Tgt Ion: 77 Resp: 18048

Ion Ratio Lower Upper

77 100

105 86.2 81.1 121.1

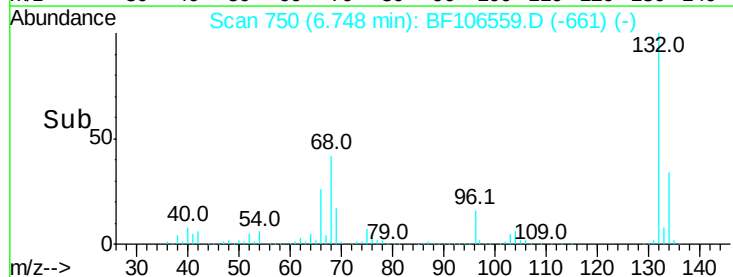
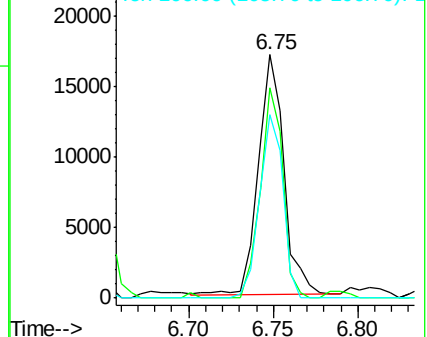
106 75.5 74.5 114.5

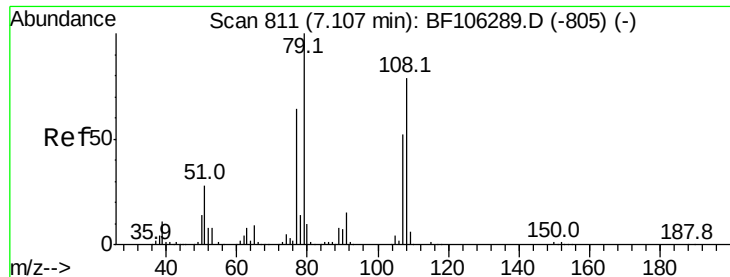


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#15

Benzyl Alcohol

Concen: 2.062 ng

RT: 7.12 min Scan# 814

Delta R.T. 0.02 min

Lab File: BF106559.D

Acq: 19 Jun 2018 1:29

Instrument :

BNA_F

ClientSampleId :

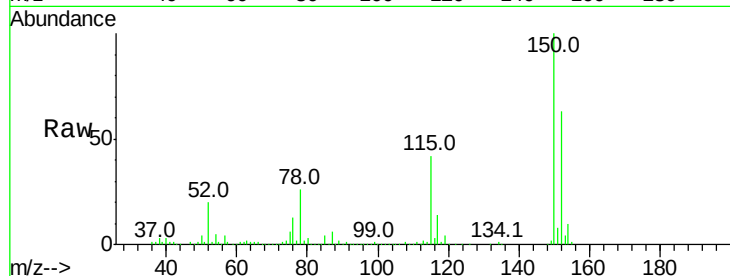
Tot Ion: 79 Resp: 14836

Ion Ratio Lower Upper

79 100

108 30.1 65.1 97.7#

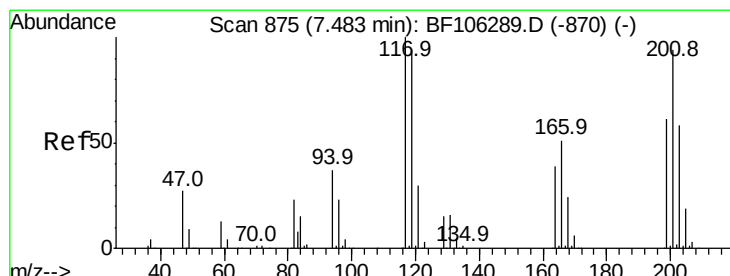
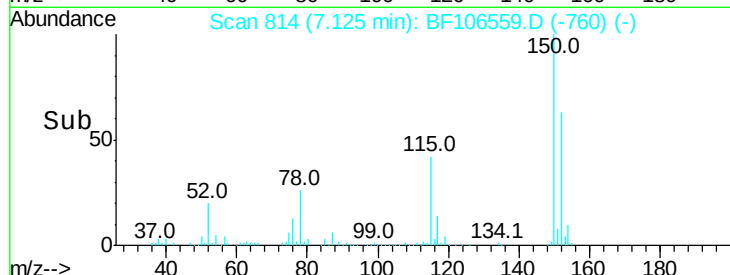
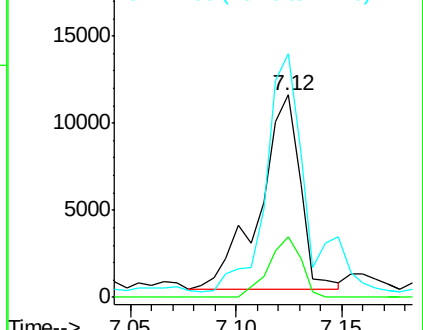
77 120.2 50.6 75.8#



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



#18

Hexachloroethane

Concen: 33.235 ng

RT: 7.50 min Scan# 877

Delta R.T. 0.02 min

Lab File: BF106559.D

Acq: 19 Jun 2018 1:29

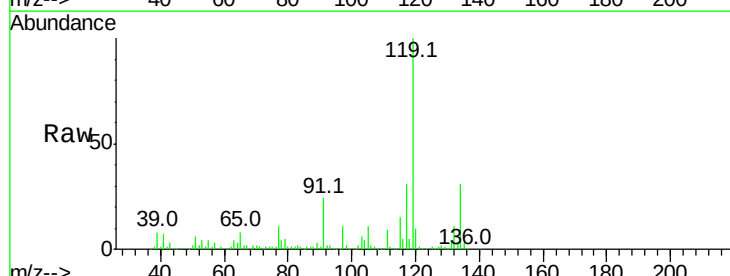
Tgt Ion: 117 Resp: 101136

Ion Ratio Lower Upper

117 100

119 318.8 75.8 113.8#

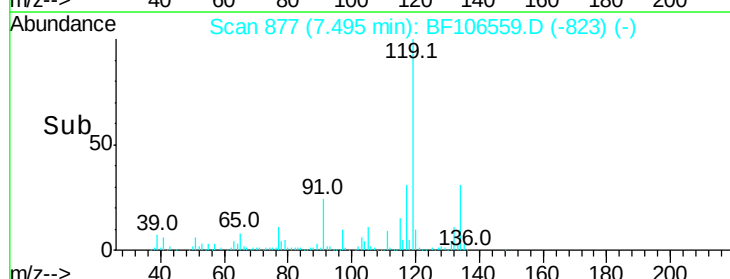
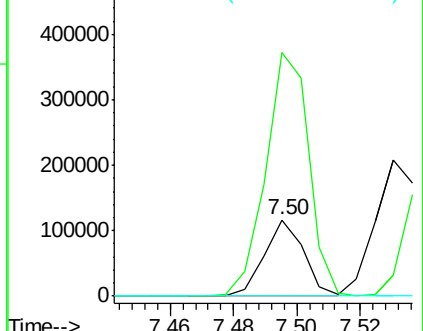
201 0.0 75.7 113.5#

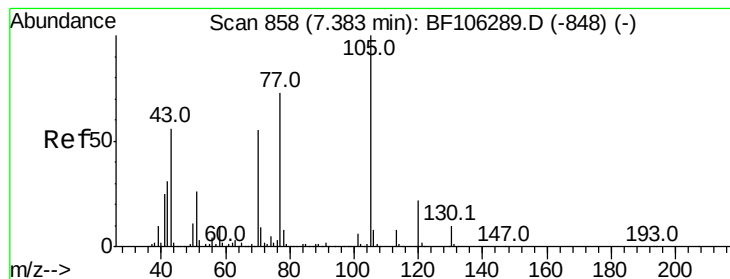


Abundance Ion 117.00 (116.70 to 117.70): BF1

Ion 119.00 (118.70 to 119.70): BF1

Ion 201.00 (200.70 to 201.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 3.638 ng

RT: 7.37 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF106559.D

Acq: 19 Jun 2018 1:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 22930

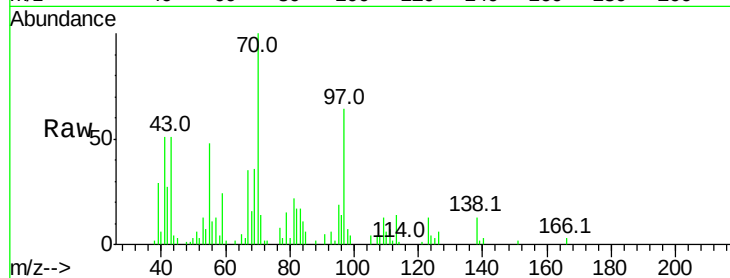
Ion Ratio Lower Upper

70 100

42 27.1 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

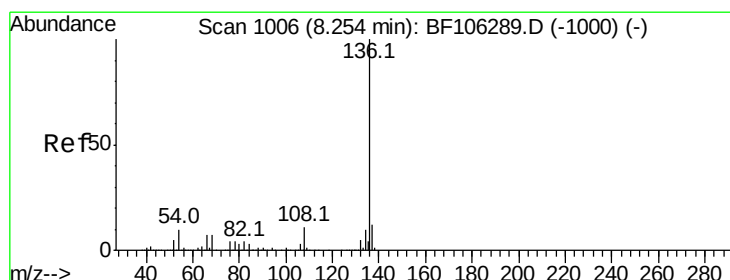
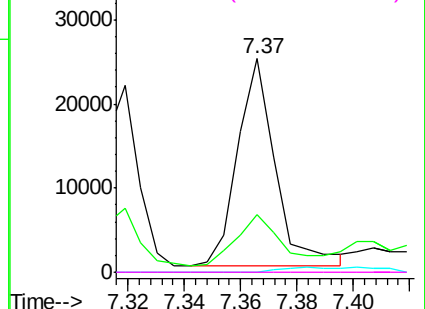
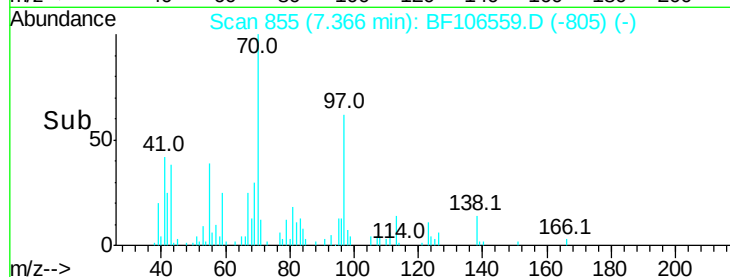


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.25 min Scan# 1005

Delta R.T. 0.00 min

Lab File: BF106559.D

Acq: 19 Jun 2018 1:29

Tgt Ion: 136 Resp: 372085

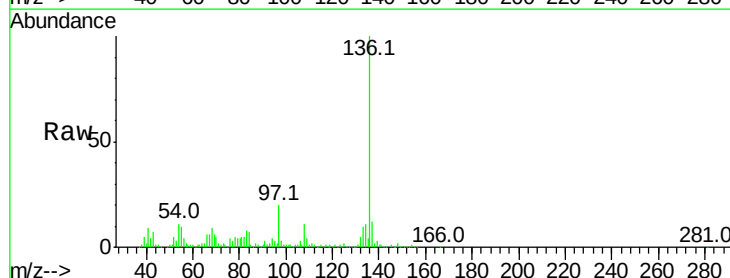
Ion Ratio Lower Upper

136 100

137 11.9 8.9 13.3

54 10.9 6.6 9.8#

68 9.1 5.0 7.4#

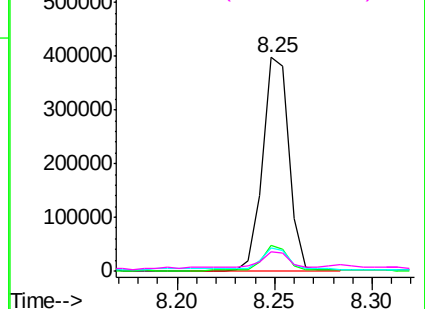
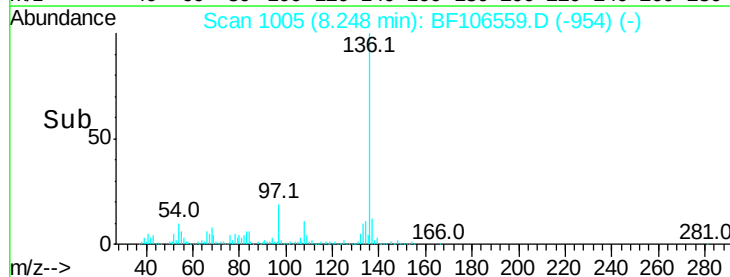


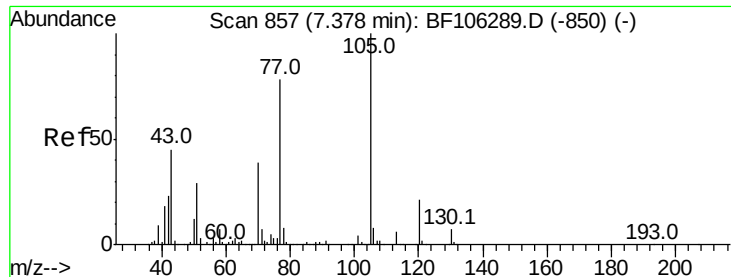
Abundance Ion 136.00 (135.70 to 136.70): BF1

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

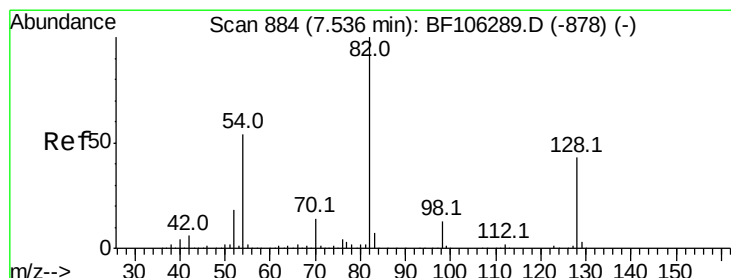
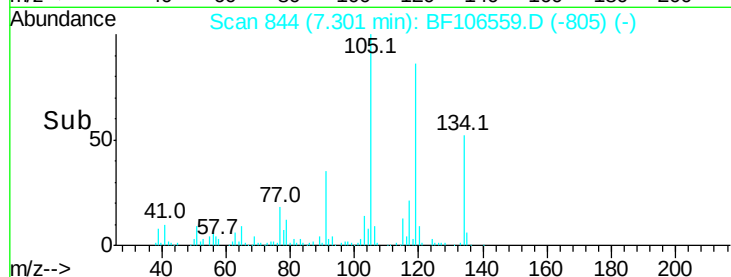
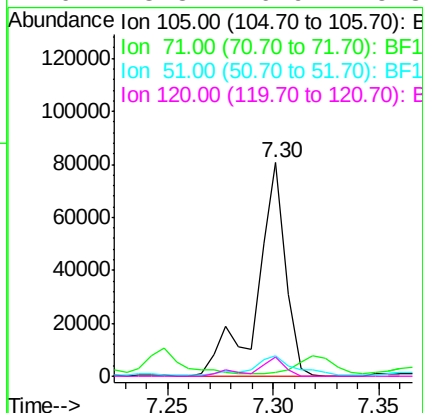
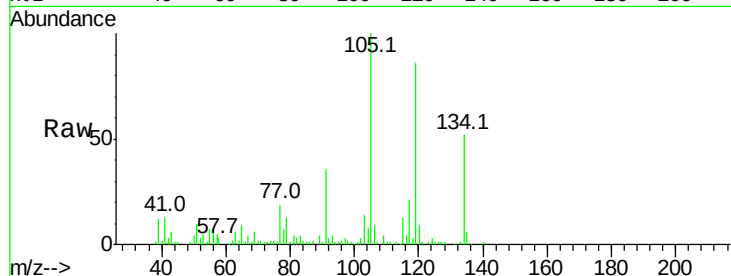




#22
Acetophenone
Concen: 8.076 ng
RT: 7.30 min Scan# 844
Delta R.T. -0.07 min
Lab File: BF106559.D
Acq: 19 Jun 2018 1:29

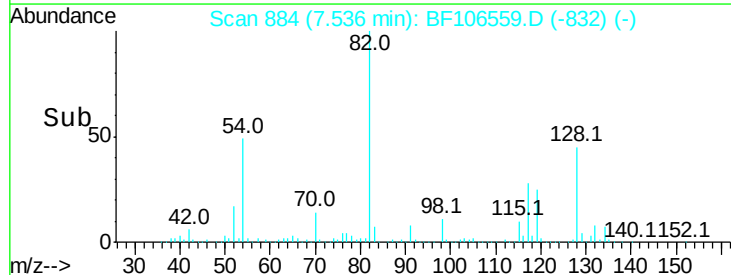
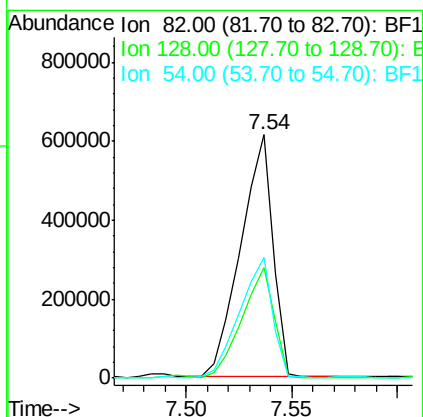
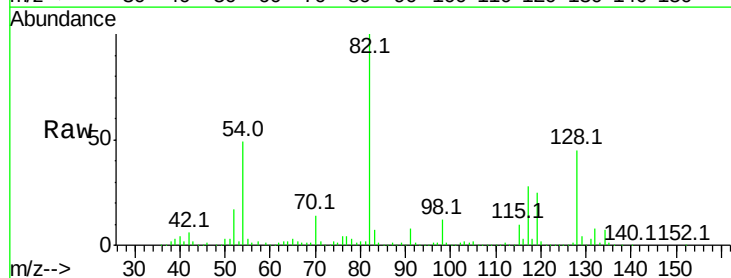
Instrument :
BNA_F
ClientSampleId :

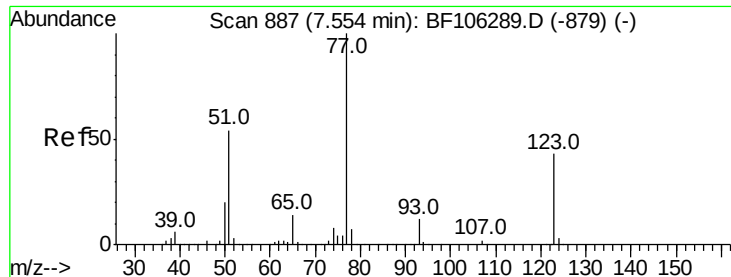
Tot Ion:105 Resp: 75728
Ion Ratio Lower Upper
105 100
71 1.6 4.4 6.6#
51 9.9 22.3 33.5#
120 8.8 16.9 25.3#



#23
Nitrobenzene-d5
Concen: 103.261 ng
RT: 7.54 min Scan# 884
Delta R.T. 0.01 min
Lab File: BF106559.D
Acq: 19 Jun 2018 1:29

Tgt Ion: 82 Resp: 653116
Ion Ratio Lower Upper
82 100
128 45.3 36.1 54.1
54 49.5 41.4 62.2

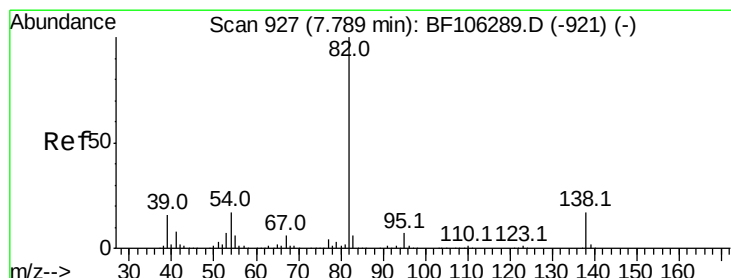
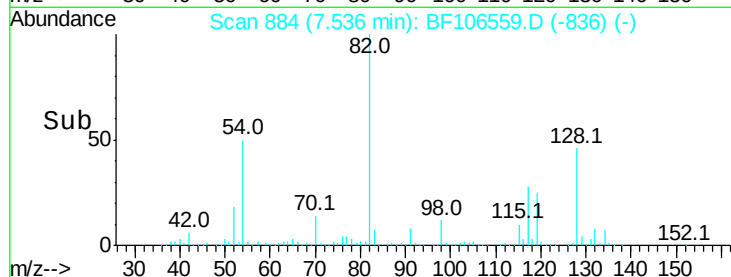
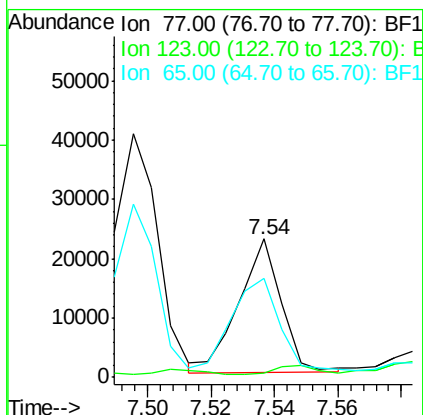
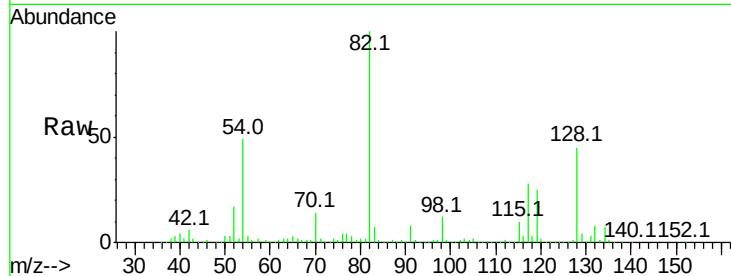




#24
Nitrobenzene
Concen: 3.030 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF106559.D
Acq: 19 Jun 2018 1:29

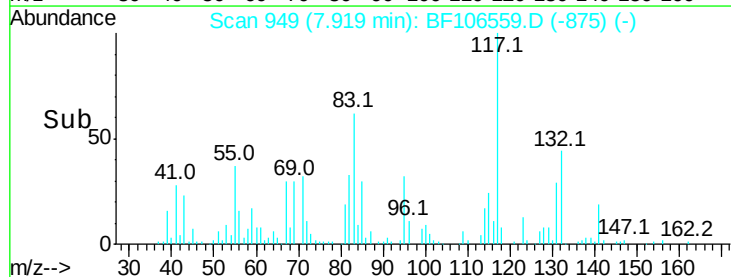
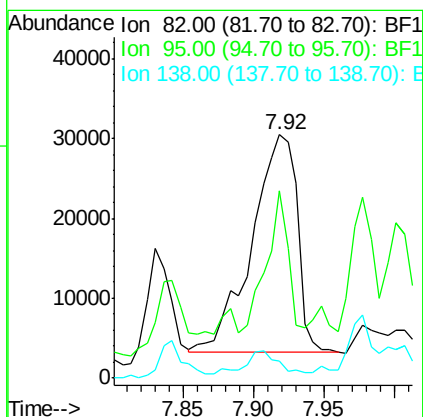
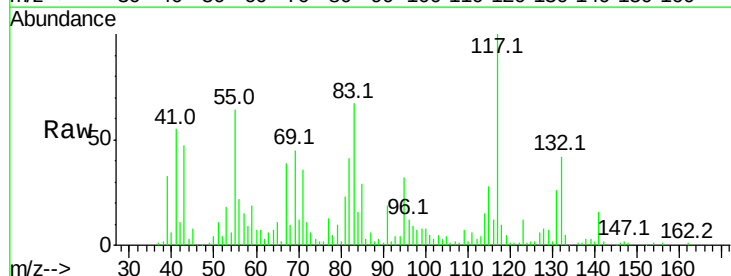
Instrument :
BNA_F
ClientSampleId :

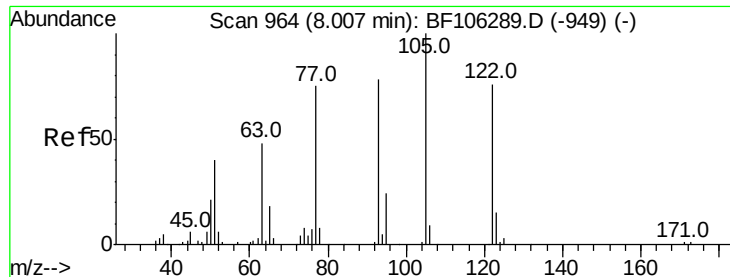
Tot Ion: 77 Resp: 20827
Ion Ratio Lower Upper
77 100
123 3.2 37.9 56.9#
65 71.9 11.0 16.4#



#25
Isophorone
Concen: 4.924 ng
RT: 7.92 min Scan# 949
Delta R.T. 0.14 min
Lab File: BF106559.D
Acq: 19 Jun 2018 1:29

Tgt Ion: 82 Resp: 60825
Ion Ratio Lower Upper
82 100
95 77.1 5.2 7.8#
138 7.1 14.9 22.3#





#32

Benzoic acid

Concen: 7.339 ng

RT: 8.00 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF106559.D

Acq: 19 Jun 2018 1:29

Instrument :

BNA_F

ClientSampleId :

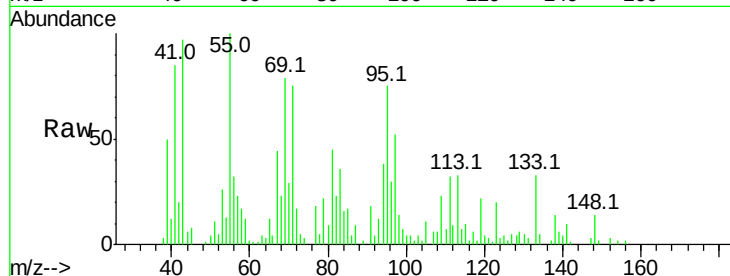
Tot Ion:122 Resp: 228

Ion Ratio Lower Upper

122 100

105 840.9 101.1 141.1#

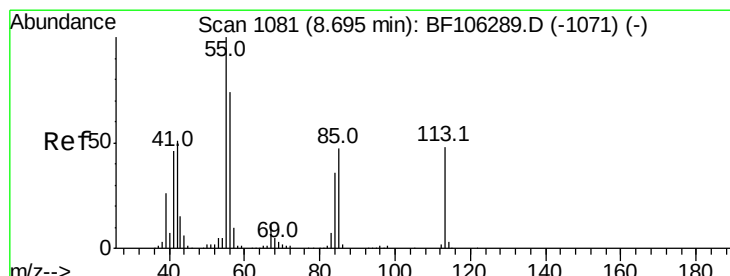
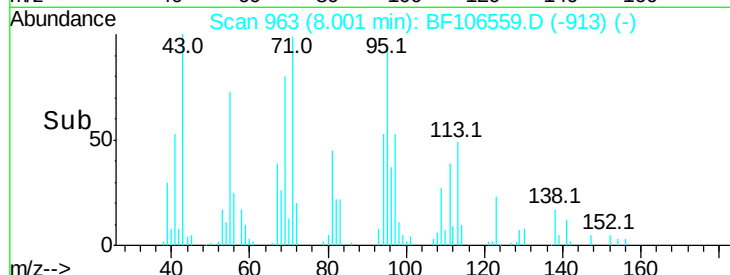
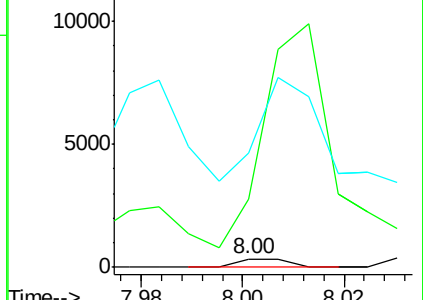
77 1424.4 70.7 110.7#



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



#35

Caprolactam

Concen: 2.329 ng

RT: 8.65 min Scan# 1074

Delta R.T. -0.02 min

Lab File: BF106559.D

Acq: 19 Jun 2018 1:29

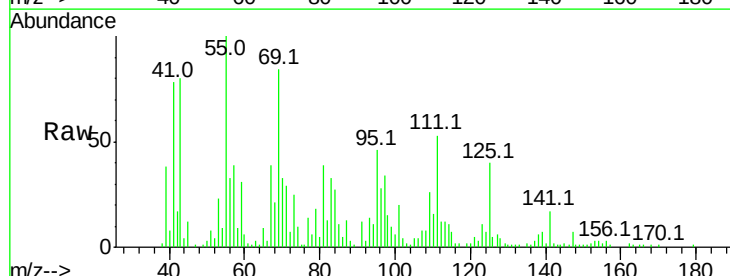
Tgt Ion:113 Resp: 3975

Ion Ratio Lower Upper

113 100

55 855.0 163.3 203.3#

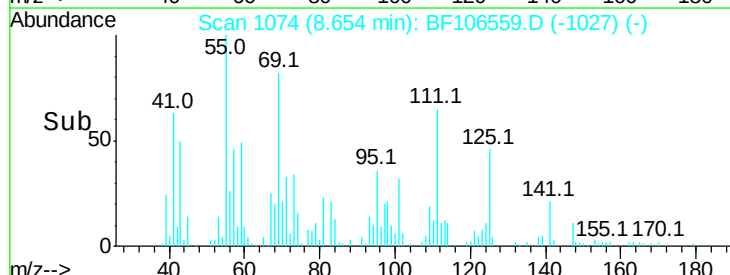
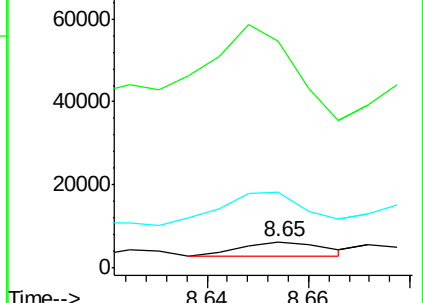
56 283.9 115.7 155.7#

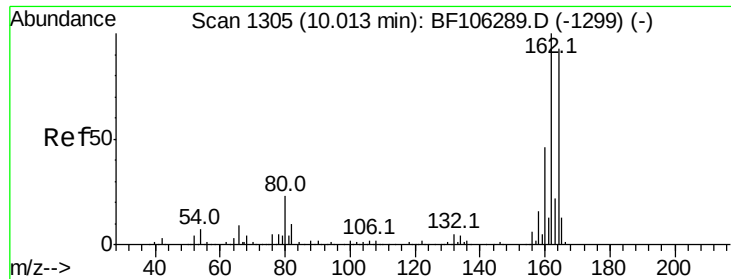


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1

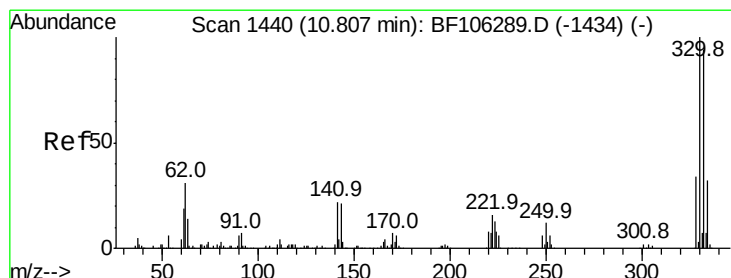
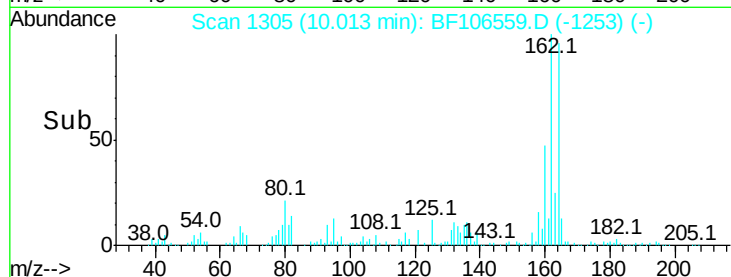
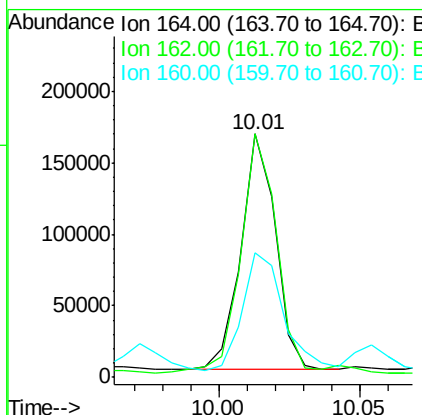
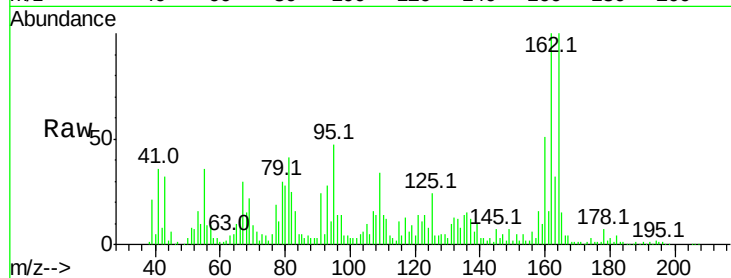




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1305
Delta R.T. 0.01 min
Lab File: BF106559.D
Acq: 19 Jun 2018 1:29

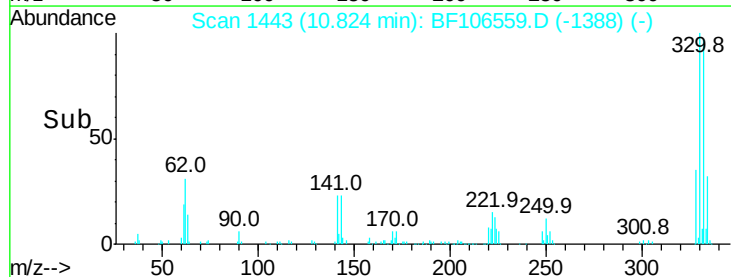
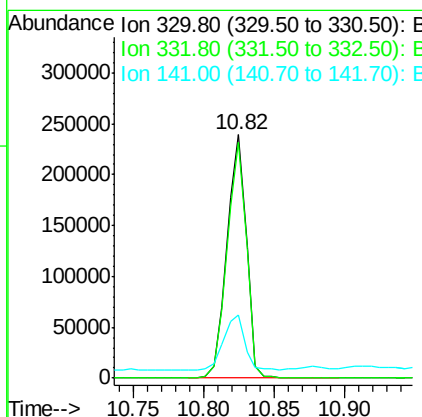
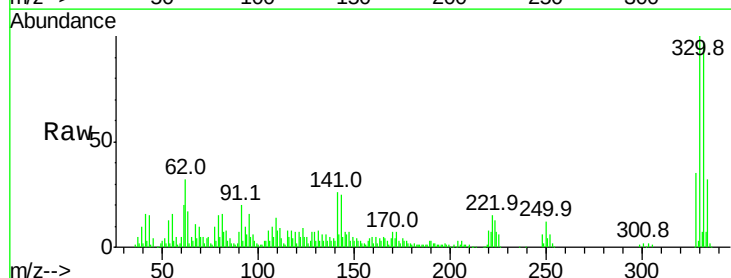
Instrument :
BNA_F
ClientSampled :

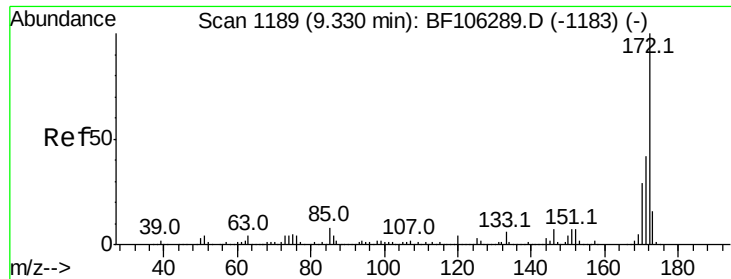
Tot Ion:164 Resp: 140993
Ion Ratio Lower Upper
164 100
162 100.0 86.1 129.1
160 51.2 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 168.572 ng
RT: 10.82 min Scan# 1443
Delta R.T. 0.02 min
Lab File: BF106559.D
Acq: 19 Jun 2018 1:29

Tgt Ion:330 Resp: 228684
Ion Ratio Lower Upper
330 100
332 97.0 77.0 115.6
141 25.1 29.9 44.9#





#44

2-Fluorobiphenyl

Concen: 157.790 ng

RT: 9.33 min Scan# 1189

Delta R.T. 0.01 min

Lab File: BF106559.D

Acq: 19 Jun 2018 1:29

Instrument :

BNA_F

ClientSampleId :

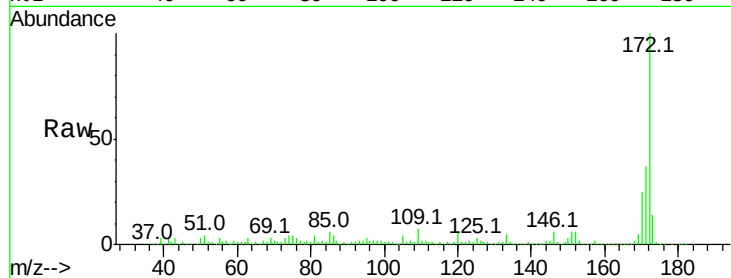
Tot Ion:172 Resp: 965754

Ion Ratio Lower Upper

172 100

171 37.3 29.7 44.5

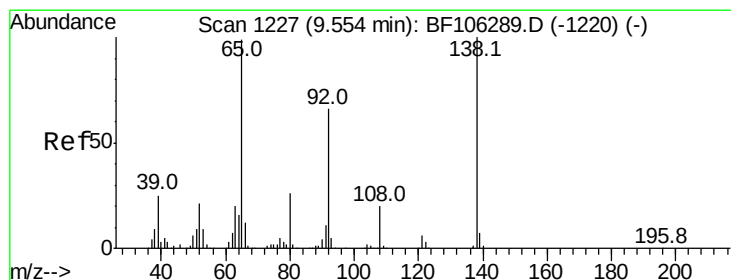
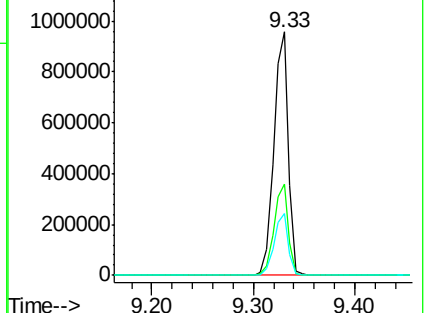
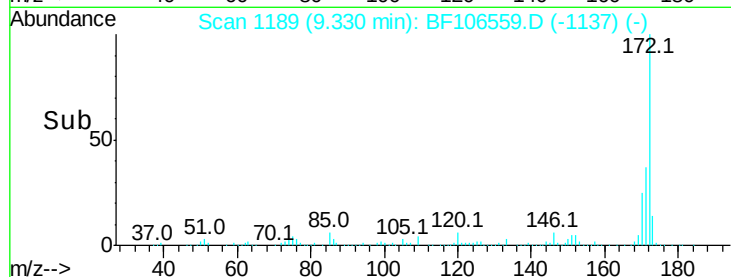
170 25.2 19.6 29.4



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



#47

2-Nitroaniline

Concen: 2.578 ng

RT: 9.53 min Scan# 1223

Delta R.T. -0.02 min

Lab File: BF106559.D

Acq: 19 Jun 2018 1:29

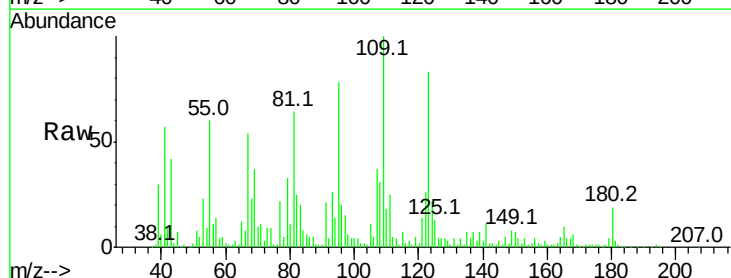
Tgt Ion: 65 Resp: 7087

Ion Ratio Lower Upper

65 100

92 34.9 55.8 83.6#

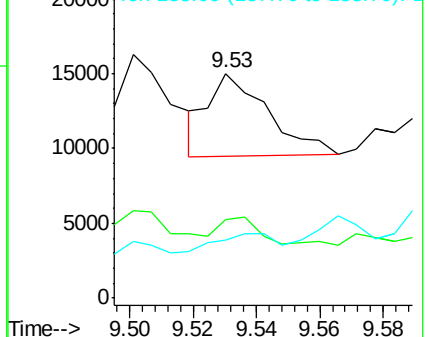
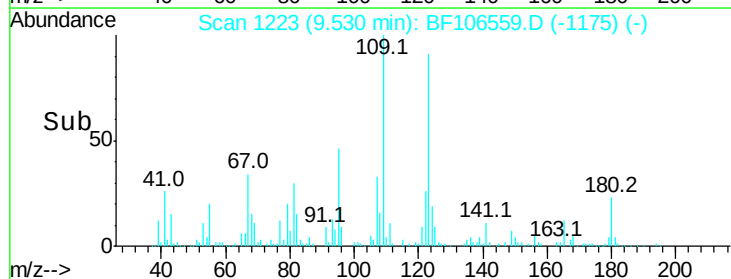
138 25.7 91.2 136.8#

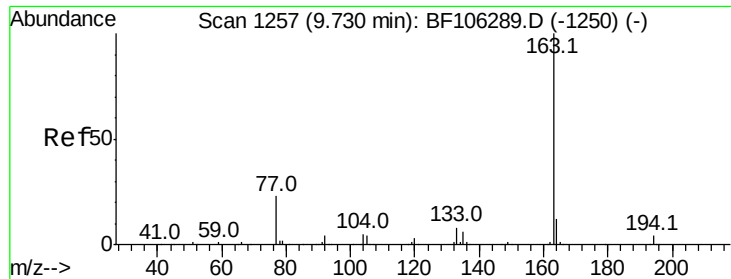


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E

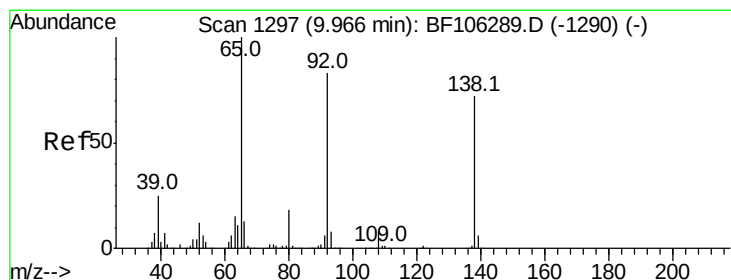
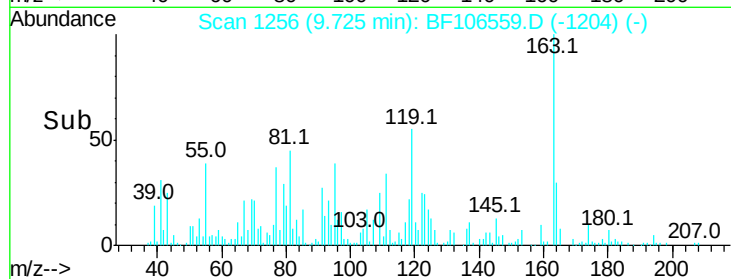
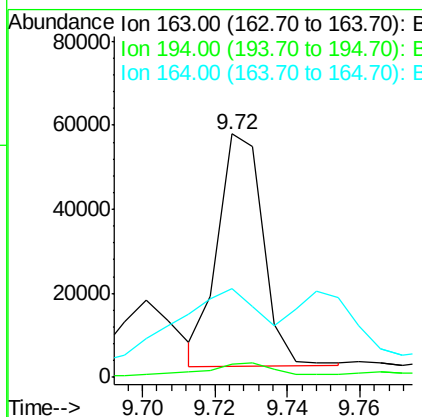
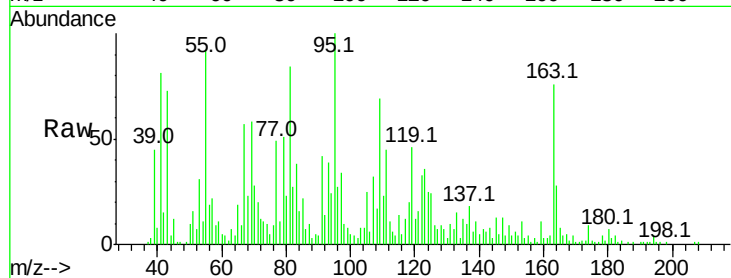




#49
 Dimethylphthalate
 Concen: 4.804 ng
 RT: 9.72 min Scan# 1256
 Delta R.T. 0.01 min
 Lab File: BF106559.D
 Acq: 19 Jun 2018 1:29

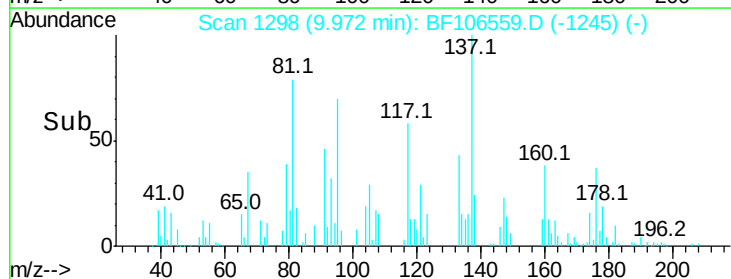
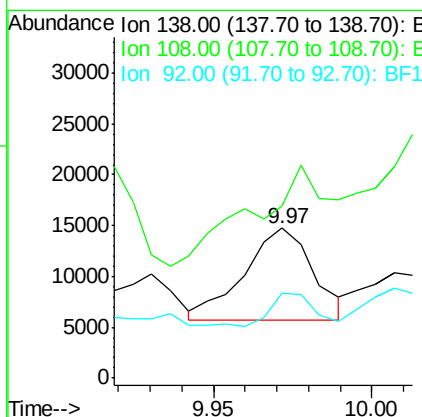
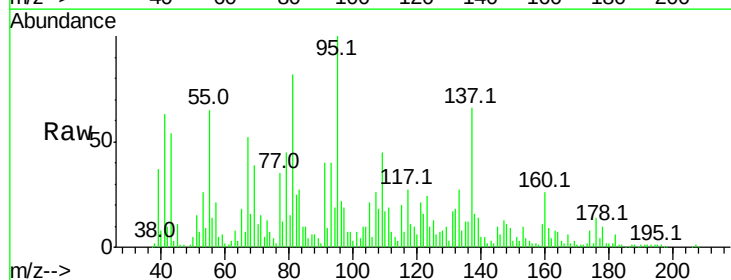
Instrument :
 BNA_F
 ClientSampleId :

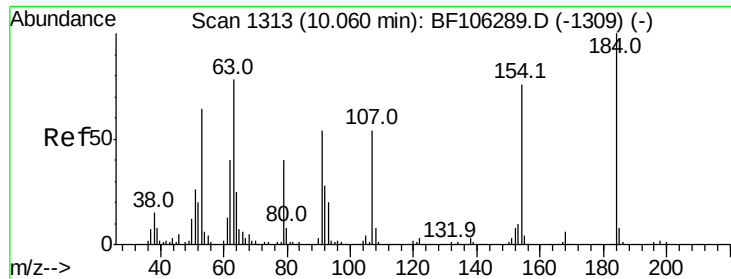
Tot Ion:163	Resp: 48392
Ion Ratio	Lower Upper
163 100	
194 5.2	2.7 4.1#
164 36.5	8.2 12.2#



#52
 3-Nitroaniline
 Concen: 5.555 ng
 RT: 9.97 min Scan# 1298
 Delta R.T. 0.01 min
 Lab File: BF106559.D
 Acq: 19 Jun 2018 1:29

Tgt	Ion:138	Resp:	13566
Ion	Ratio	Lower	Upper
138	100		
108	114.9	9.4	14.0#
92	56.2	89.4	134.2#

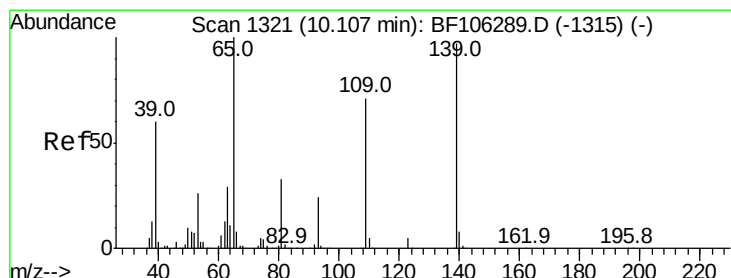
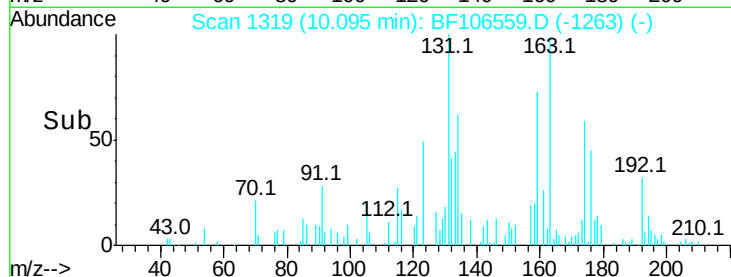
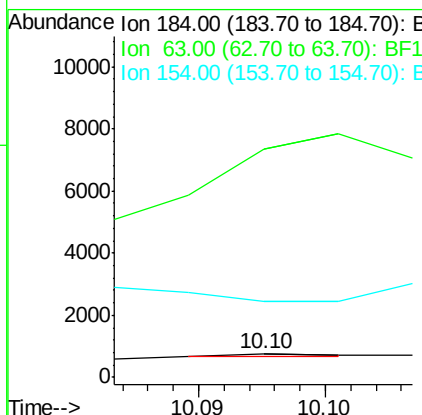
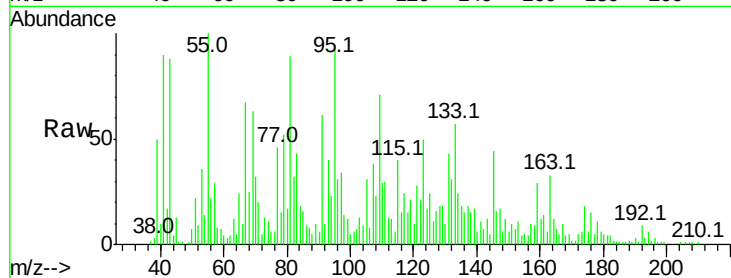




#53
2,4-Dinitrophenol
Concen: 8.665 ng
RT: 10.10 min Scan# 1319
Delta R.T. 0.03 min
Lab File: BF106559.D
Acq: 19 Jun 2018 1:29

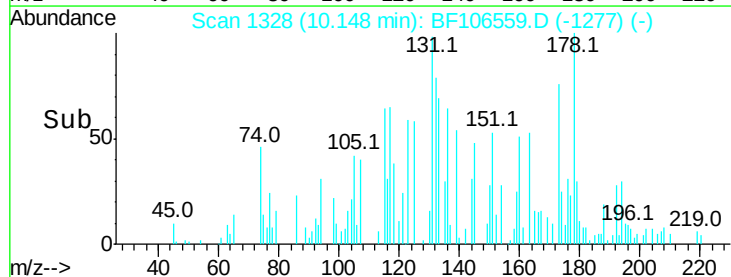
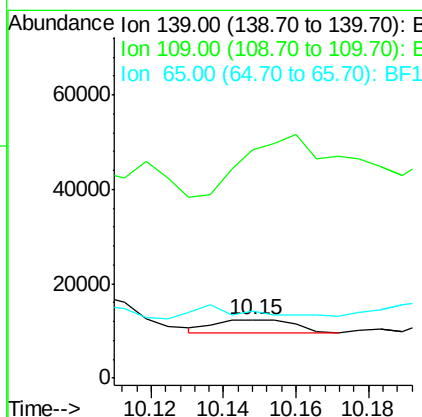
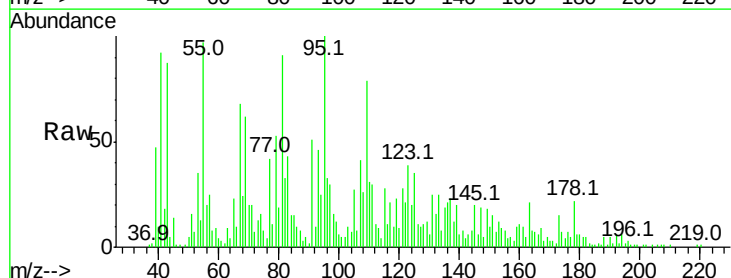
Instrument :
BNA_F
ClientSampleId :

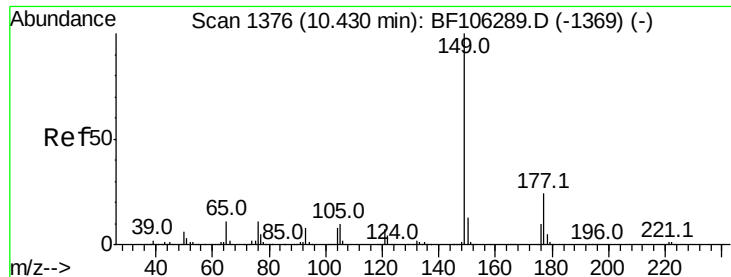
Tot Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 957.3 54.2 81.2#
154 318.2 184.0 276.0#



#55
4-Nitrophenol
Concen: 2.186 ng
RT: 10.15 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF106559.D
Acq: 19 Jun 2018 1:29

Tgt Ion:139 Resp: 4092
Ion Ratio Lower Upper
139 100
109 392.2 48.4 88.4#
65 114.1 72.6 112.6#

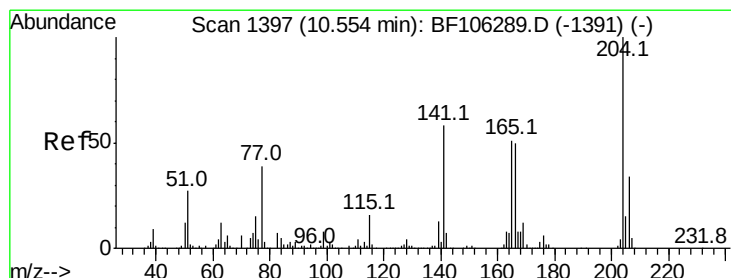
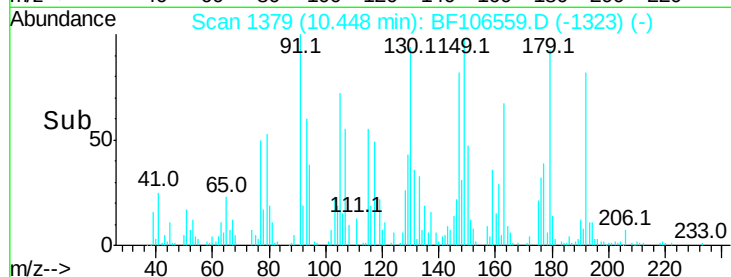
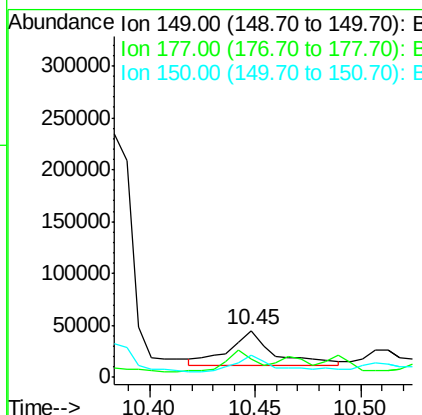
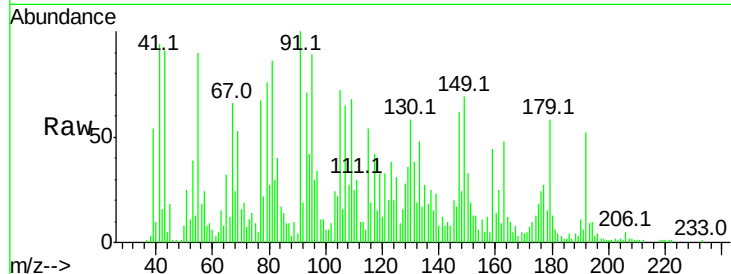




#59
Diethylphthalate
Concen: 5.006 ng
RT: 10.45 min Scan# 1379
Delta R.T. 0.03 min
Lab File: BF106559.D
Acq: 19 Jun 2018 1:29

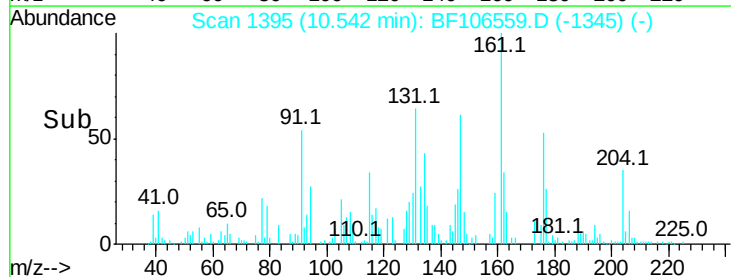
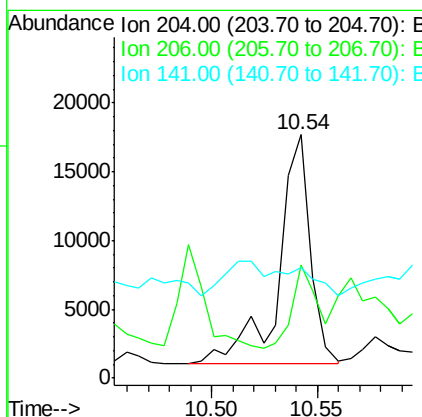
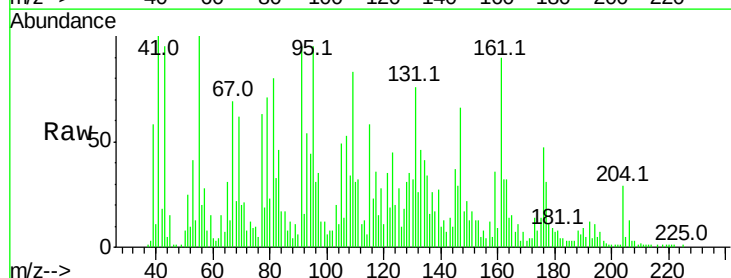
Instrument :
BNA_F
ClientSampled :

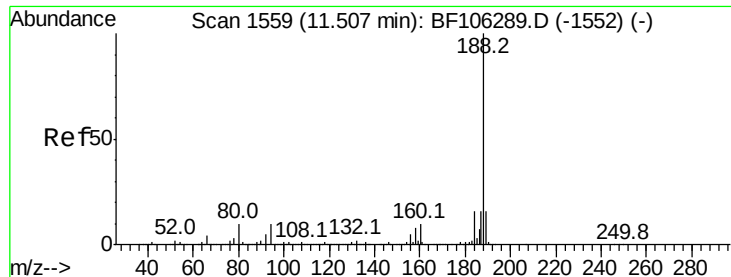
Tot Ion:149 Resp: 50050
Ion Ratio Lower Upper
149 100
177 39.5 16.1 24.1#
150 48.1 10.1 15.1#



#60
4-Chlorophenyl-phenylether
Concen: 3.570 ng
RT: 10.54 min Scan# 1395
Delta R.T. -0.01 min
Lab File: BF106559.D
Acq: 19 Jun 2018 1:29

Tgt Ion:204 Resp: 17307
Ion Ratio Lower Upper
204 100
206 46.4 26.5 39.7#
141 45.3 54.6 81.8#

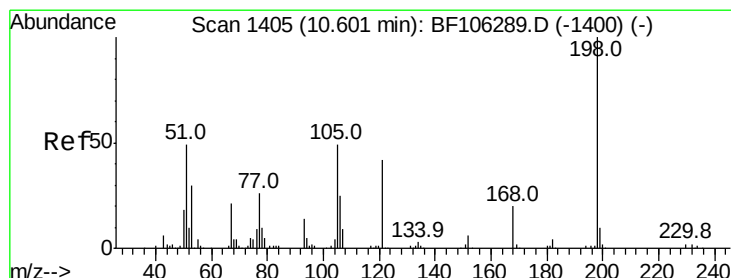
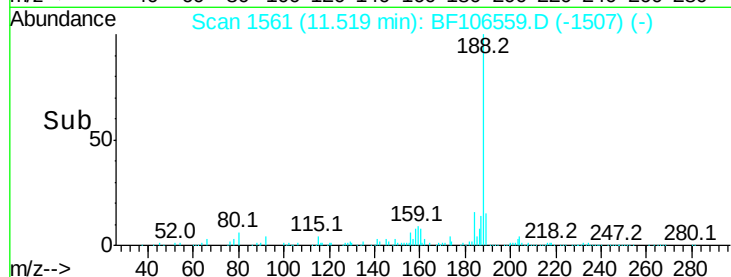
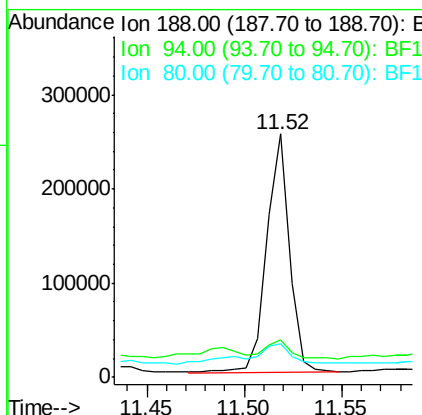
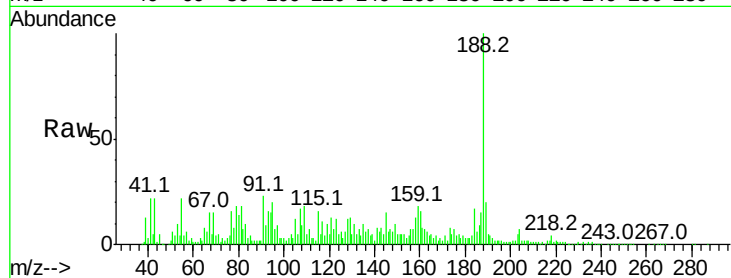




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.52 min Scan# 1561
 Delta R.T. 0.02 min
 Lab File: BF106559.D
 Acq: 19 Jun 2018 1:29

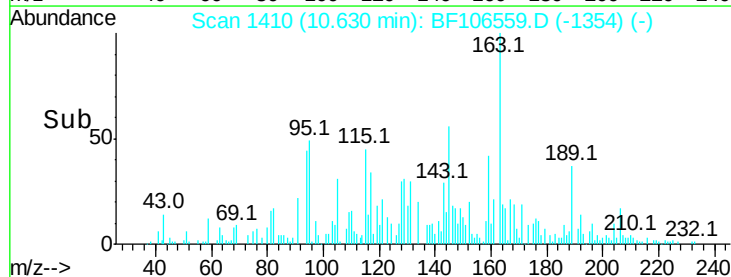
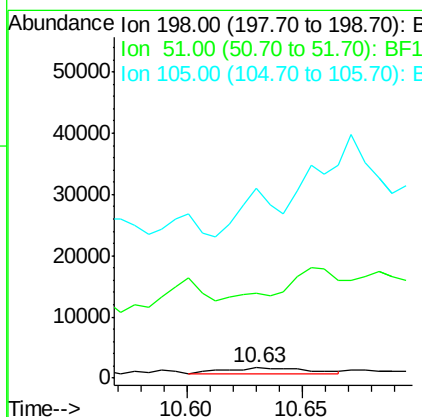
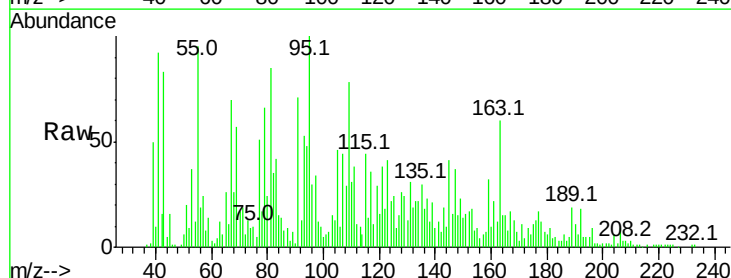
Instrument :
 BNA_F
 ClientSampleId :

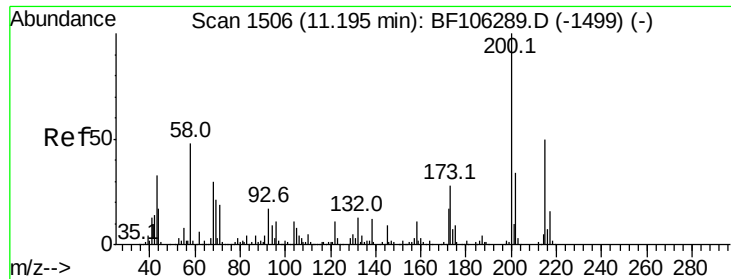
Tot Ion:188 Resp: 205107
 Ion Ratio Lower Upper
 188 100
 94 15.2 8.5 12.7#
 80 13.9 9.2 13.8#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.899 ng
 RT: 10.63 min Scan# 1410
 Delta R.T. 0.03 min
 Lab File: BF106559.D
 Acq: 19 Jun 2018 1:29

Tgt Ion:198 Resp: 2043
 Ion Ratio Lower Upper
 198 100
 51 833.7 37.7 77.7#
 105 1858.7 36.3 76.3#

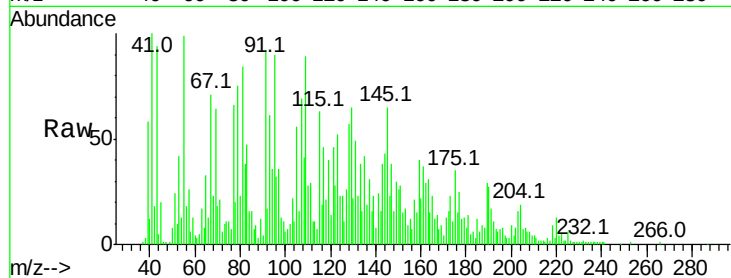




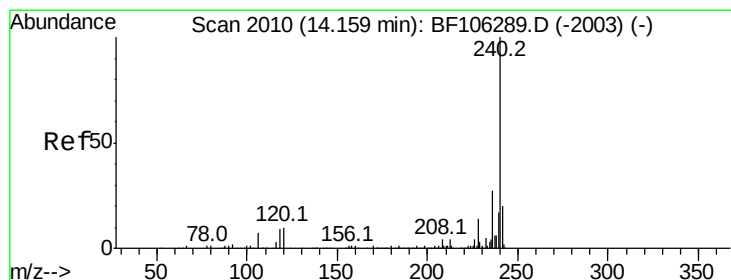
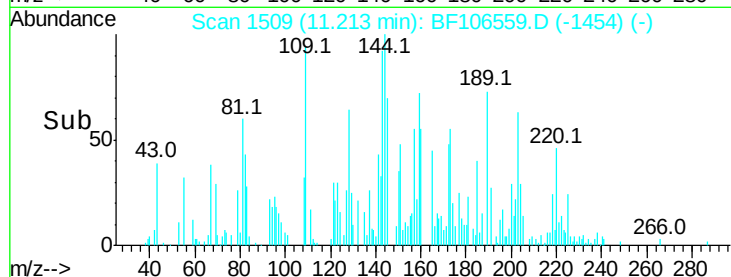
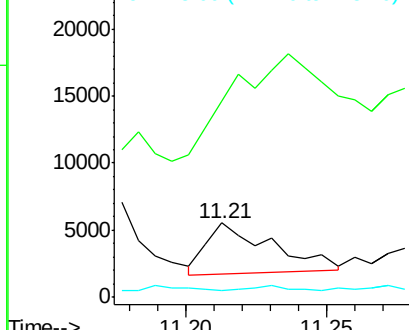
#68
Atrazine
Concen: 2.830 ng
RT: 11.21 min Scan# 1509
Delta R.T. 0.02 min
Lab File: BF106559.D
Acq: 19 Jun 2018 1:29

Instrument :
BNA_F
ClientSampled :

Tot Ion:200 Resp: 6011
Ion Ratio Lower Upper
200 100
173 263.0 8.6 48.6#
215 10.0 25.1 65.1#

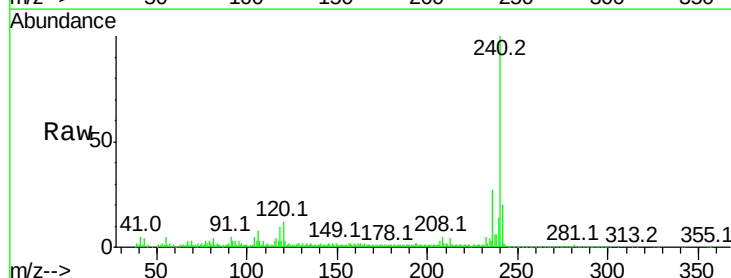


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

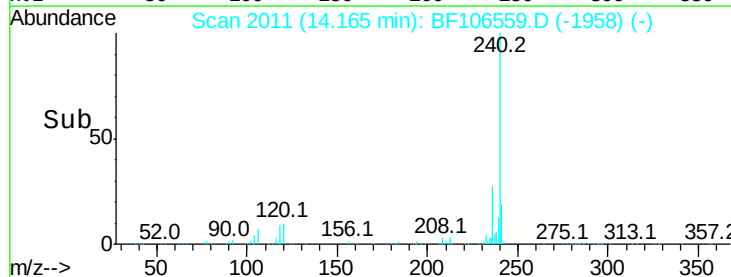
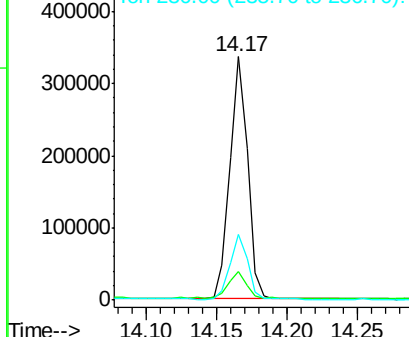


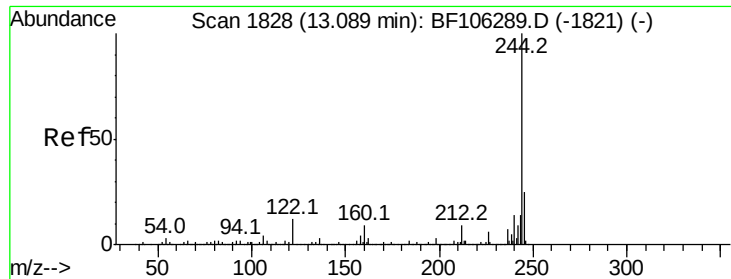
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.17 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BF106559.D
Acq: 19 Jun 2018 1:29

Tgt Ion:240 Resp: 294153
Ion Ratio Lower Upper
240 100
120 11.6 9.5 14.3
236 26.9 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

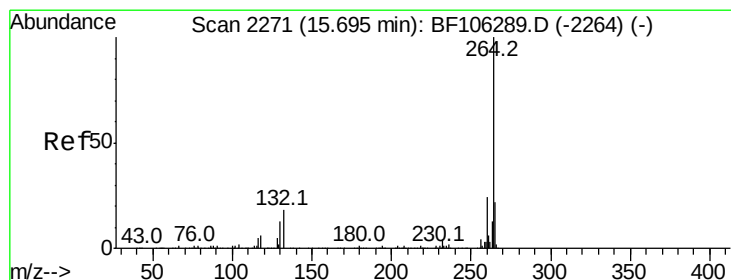
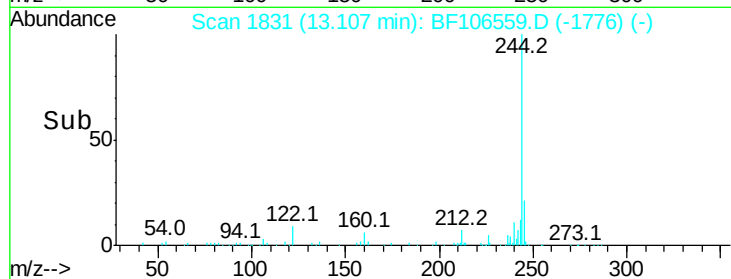
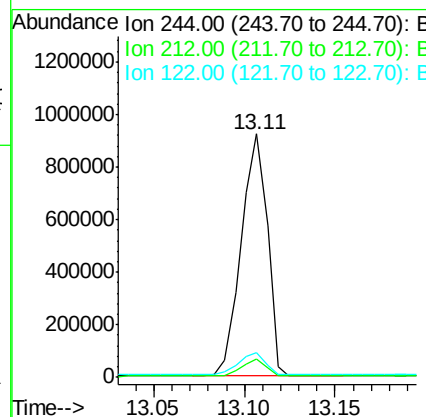
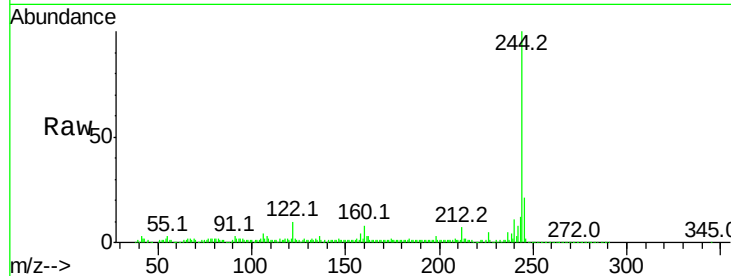




#78
 Terphenyl-d14
 Concen: 77.833 ng
 RT: 13.11 min Scan# 1831
 Delta R.T. 0.02 min
 Lab File: BF106559.D
 Acq: 19 Jun 2018 1:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 921773
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.0
 122 10.2 11.0 16.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2272
 Delta R.T. 0.02 min
 Lab File: BF106559.D
 Acq: 19 Jun 2018 1:29

Tgt Ion:264 Resp: 241188
 Ion Ratio Lower Upper
 264 100
 260 25.0 19.2 28.8
 265 21.7 17.5 26.3

