

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
 Data File : BF100929.D
 Acq On : 28 Nov 2017 13:08
 Operator : SJ/JU
 Sample : I6583-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 29 00:45:45 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 15:21:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	58253	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	200199	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	63133	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	12677	20.00	ng	0.01
75) Chrysene-d12	14.03	240	147329	20.00	ng	0.00
86) Perylene-d12	15.50	264	158225	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	182762	50.29	ng	-0.01
7) Phenol-d6	6.48	99	129855	28.98	ng	-0.01
23) Nitrobenzene-d5	7.42	82	335235	110.71	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	43722	67.96	ng	0.01
44) 2-Fluorobiphenyl	9.22	172	549023	132.42	ng	0.00
78) Terphenyl-d14	12.97	244	96756	15.09	ng	0.00

Target Compounds

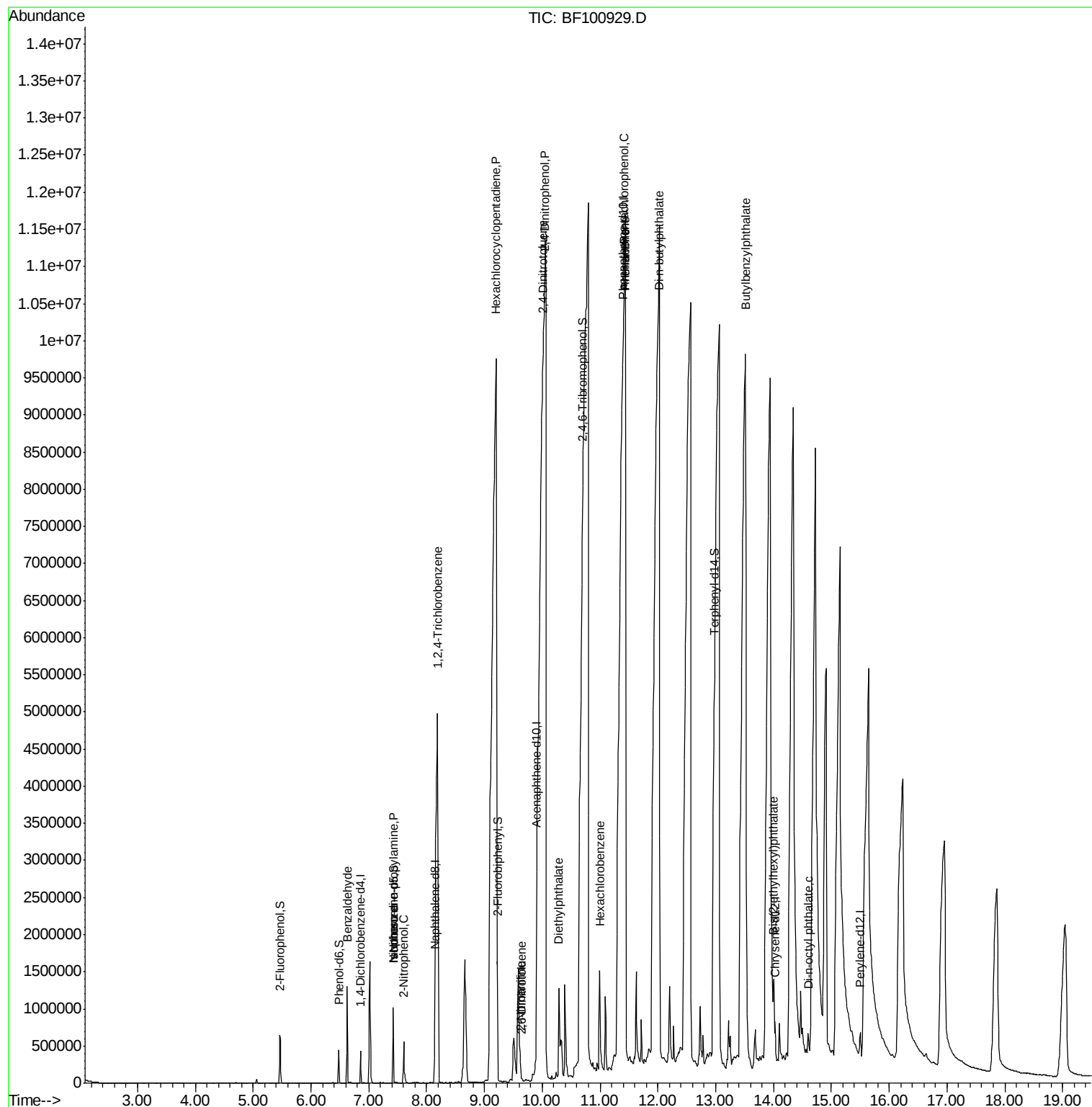
						Qvalue
9) Benzaldehyde	6.63	77	6970	2.178	ng	85
19) n-Nitroso-di-n-propylamine	7.42	70	44334	14.266	ng	# 83
25) Isophorone	7.42	82	335231	52.682	ng	# 64
26) 2-Nitrophenol	7.60	139	143	5.466	ng	# 34
30) 1,2,4-Trichlorobenzene	8.19	180	5951	2.020	ng	# 1
40) Hexachlorocyclopentadiene	9.20	237	50326	51.069	ng	# 52
47) 2-Nitroaniline	9.64	65	238	2.975	ng	# 2
50) 2,6-Dinitrotoluene	9.65	165	2400	2.515	ng	# 24
53) 2,4-Dinitrophenol	10.03	184	117	8.203	ng	# 58
56) 2,4-Dinitrotoluene	10.00	165	3263	2.711	ng	# 60
59) Diethylphthalate	10.29	149	23097	4.788	ng	95
67) Hexachlorobenzene	10.99	284	5121	36.030	ng	# 1
69) Pentachlorophenol	11.42	266	136690	1341.207	ng	# 40
70) Phenanthrene	11.42	178	9295	13.926	ng	# 1
71) Anthracene	11.42	178	9295	13.726	ng	# 1
73) Di-n-butylphthalate	12.03	149	467196	638.940	ng	# 95
79) Butylbenzylphthalate	13.52	149	344475	80.429	ng	# 23
83) Bis(2-ethylhexyl)phthalate	14.00	149	233396	41.433	ng	99
84) Di-n-octyl phthalate	14.60	149	67371	6.962	ng	# 20

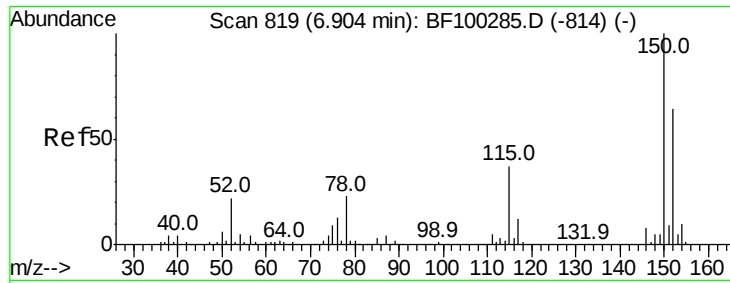
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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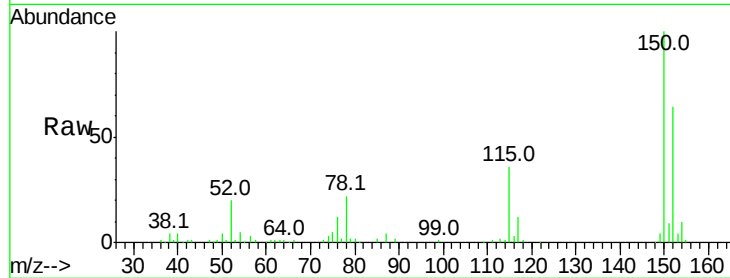


#1

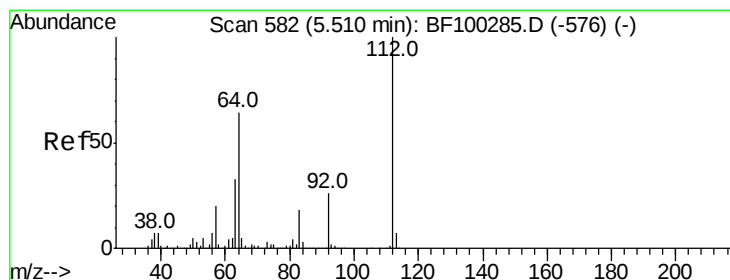
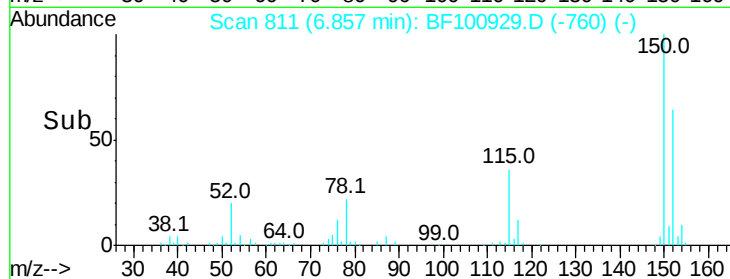
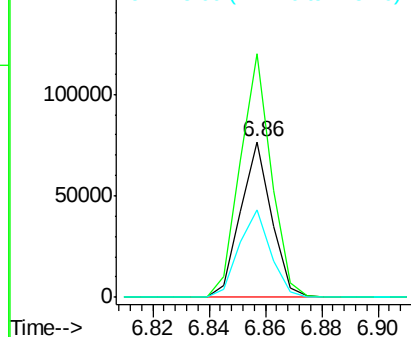
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: BF100929.D
 Acq: 28 Nov 2017 13:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	56.6	50.1	75.1



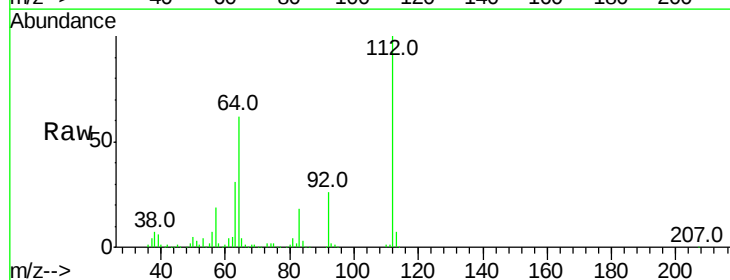
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



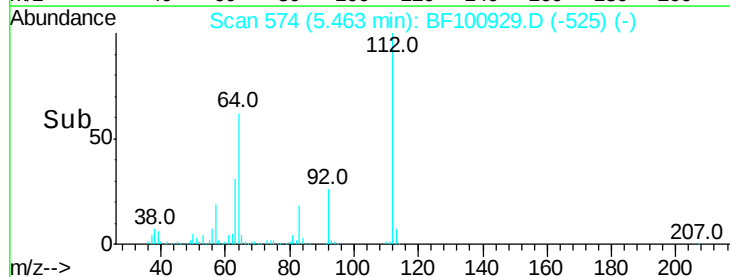
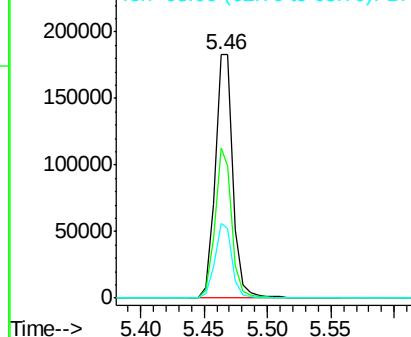
#5

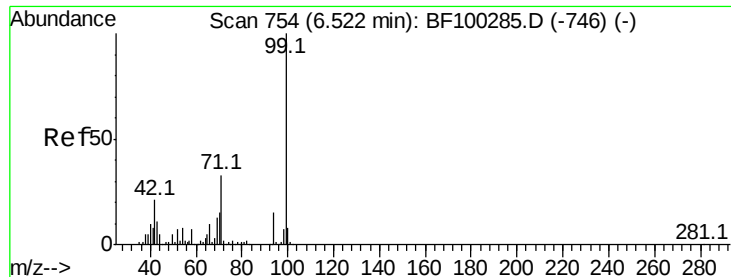
2-Fluorophenol
 Concen: 50.292 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF100929.D
 Acq: 28 Nov 2017 13:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.8	47.9	71.9
63	30.8	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: 28.978 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF100929.D

Acq: 28 Nov 2017 13:08

Instrument :

BNA_F

ClientSampleId :

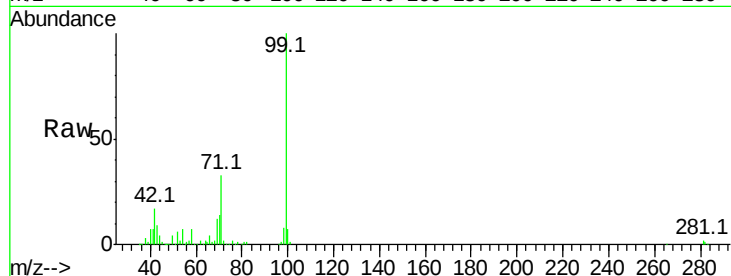
Tot Ion: 99 Resp: 129855

Ion Ratio Lower Upper

99 100

42 17.5 14.5 21.7

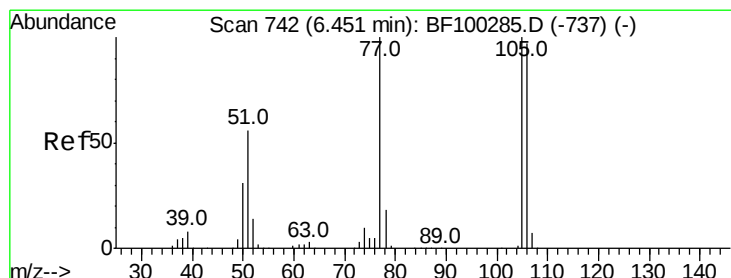
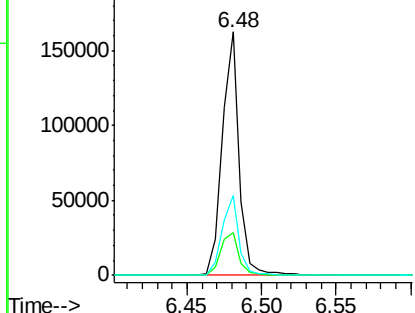
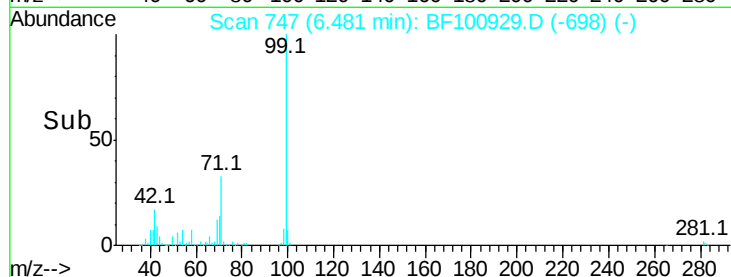
71 32.8 25.4 38.0



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: 2.178 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.21 min

Lab File: BF100929.D

Acq: 28 Nov 2017 13:08

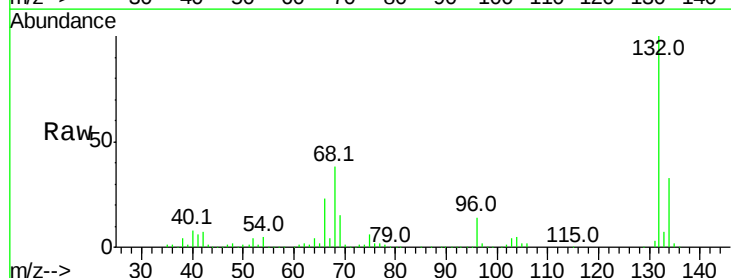
Tgt Ion: 77 Resp: 6970

Ion Ratio Lower Upper

77 100

105 87.4 81.1 121.1

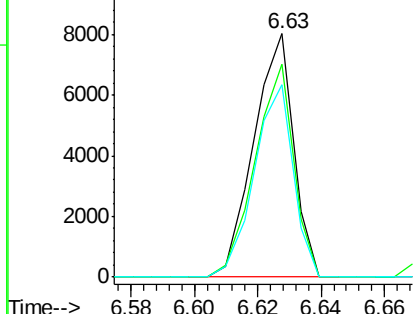
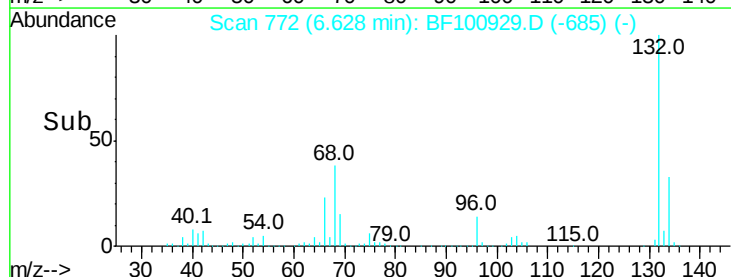
106 79.3 74.5 114.5

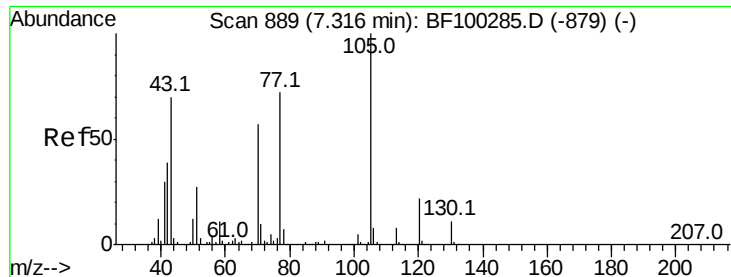


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 14.266 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF100929.D

Acq: 28 Nov 2017 13:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 44334

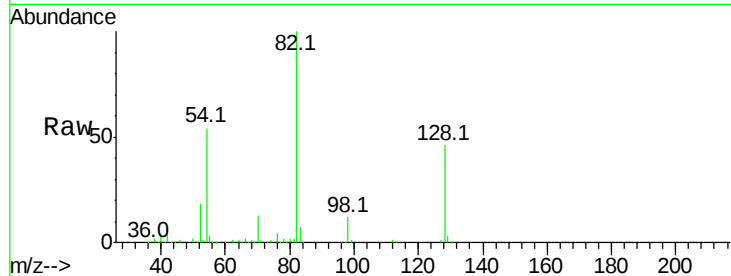
Ion Ratio Lower Upper

70 100

42 53.7 47.5 71.3

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

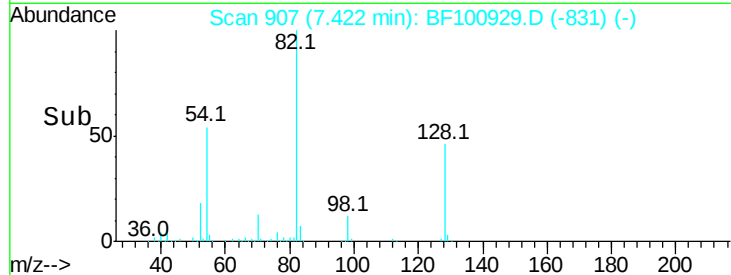


Abundance Ion 70.00 (69.70 to 70.70): BF1

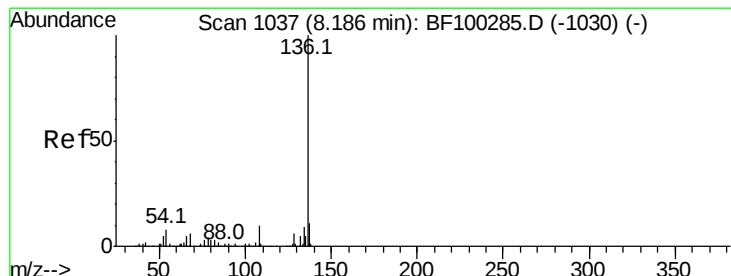
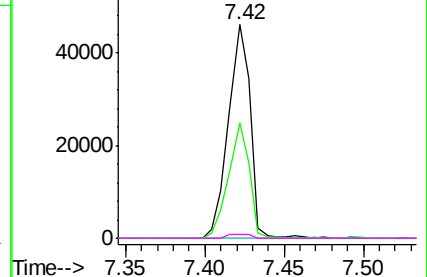
Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BF100929.D

Acq: 28 Nov 2017 13:08

Tgt Ion: 136 Resp: 200199

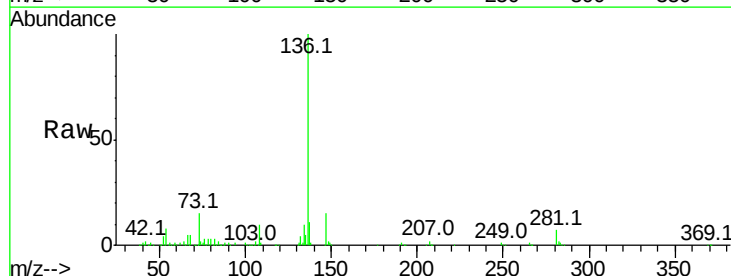
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.7 6.6 9.8

68 4.7 5.0 7.4#

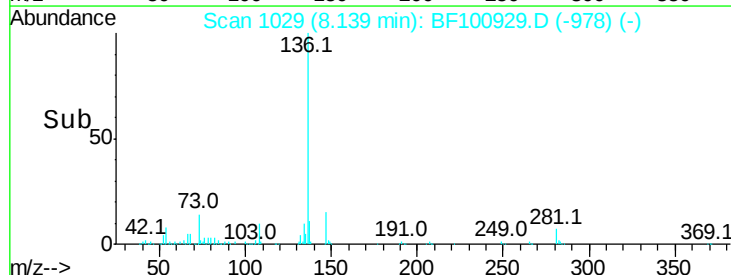


Abundance Ion 136.00 (135.70 to 136.70): BF1

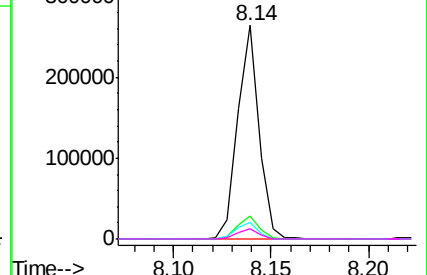
Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->

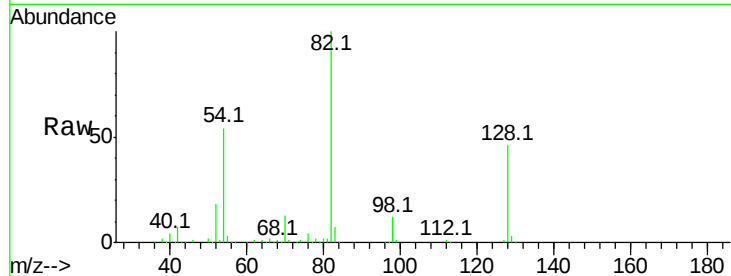




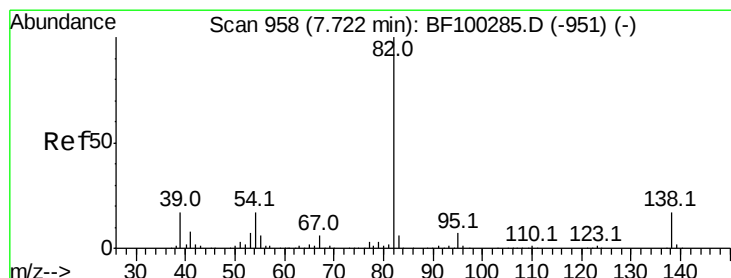
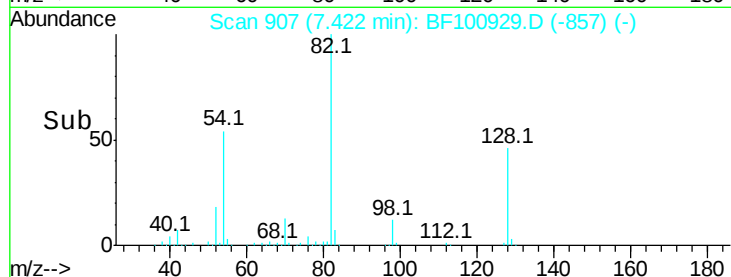
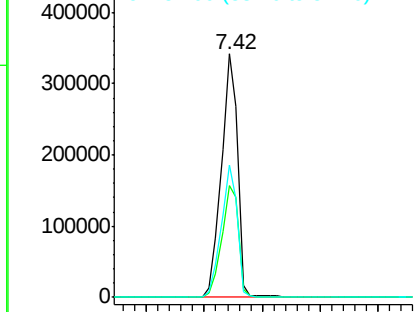
#23
 Nitrobenzene-d5
 Concen: 110.707 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF100929.D
 Acq: 28 Nov 2017 13:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 335235
 Ion Ratio Lower Upper
 82 100
 128 45.8 36.1 54.1
 54 54.4 41.4 62.2

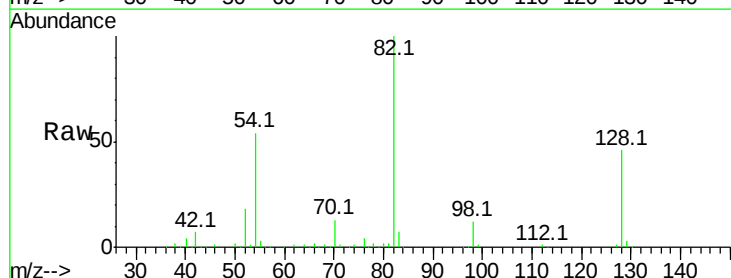


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

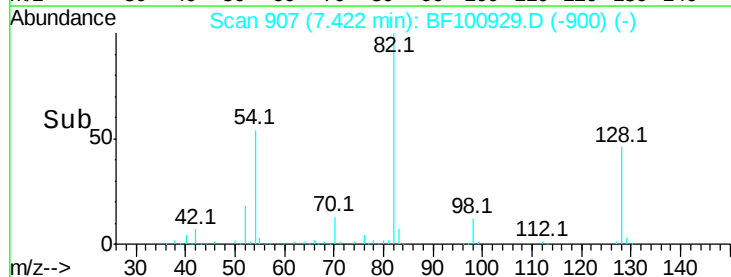
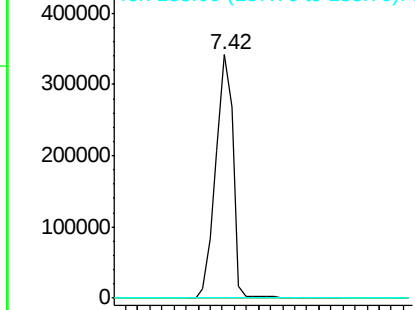


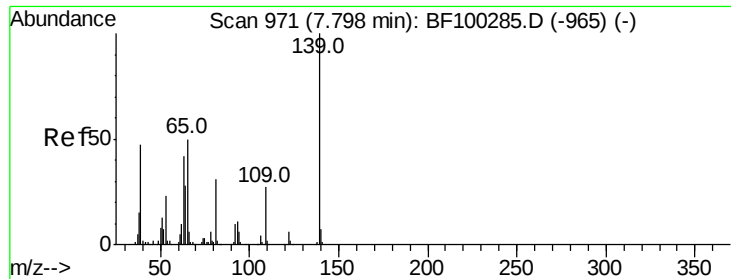
#25
 Isophorone
 Concen: 52.682 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.26 min
 Lab File: BF100929.D
 Acq: 28 Nov 2017 13:08

Tgt Ion: 82 Resp: 335231
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

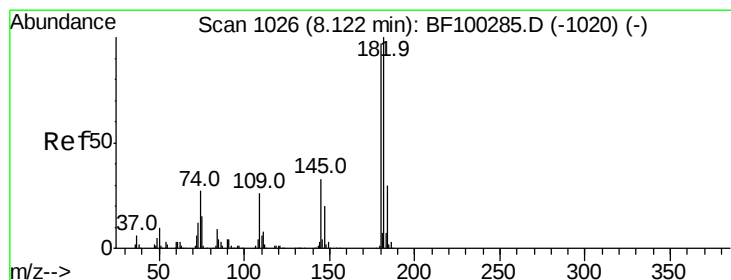
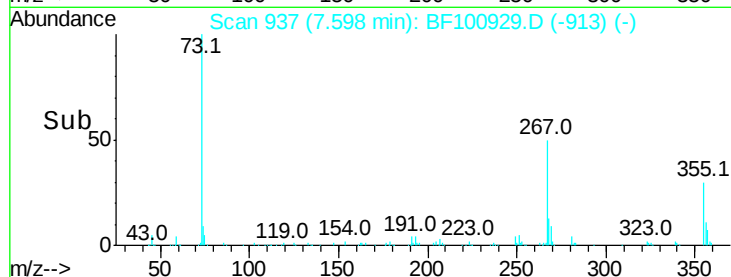
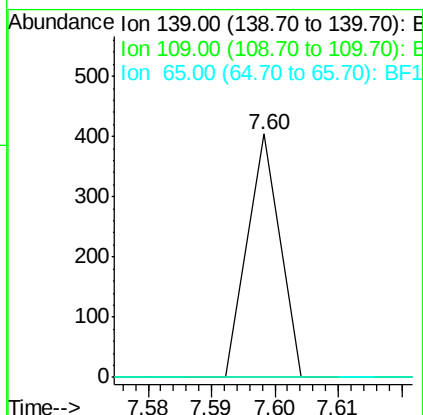
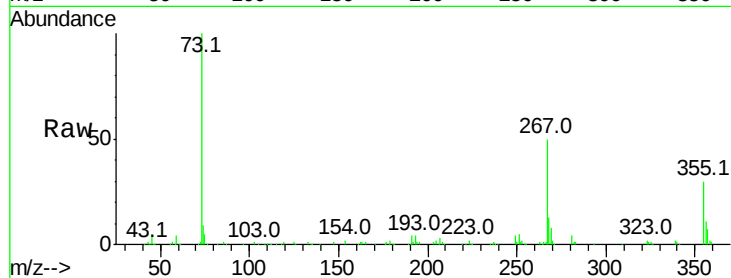




#26
2-Nitrophenol
Concen: 5.466 ng
RT: 7.60 min Scan# 937
Delta R.T. -0.16 min
Lab File: BF100929.D
Acq: 28 Nov 2017 13:08

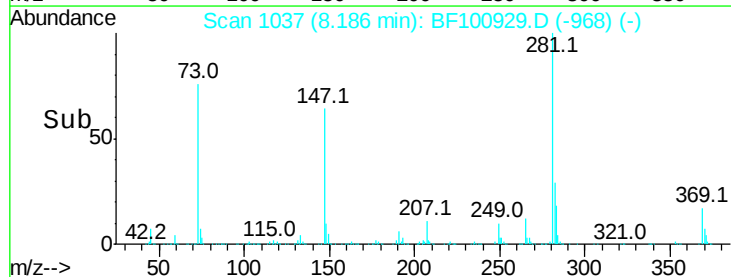
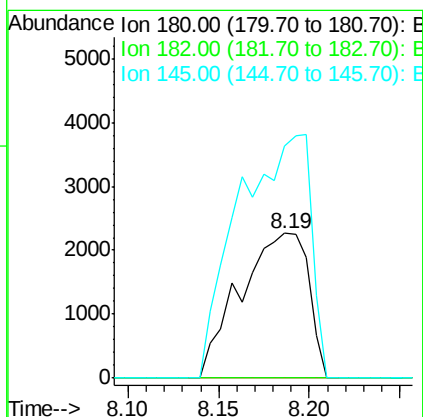
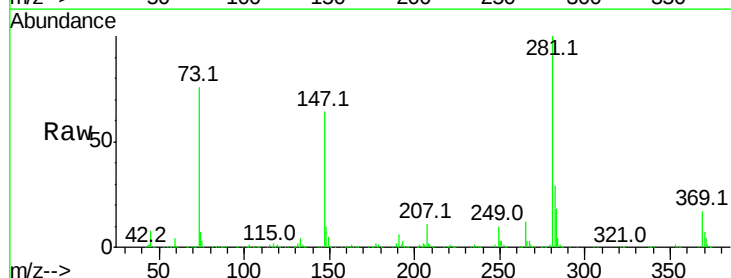
Instrument :
BNA_F
ClientSampleId :

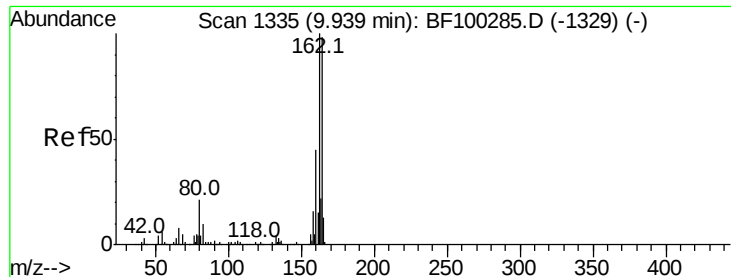
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	22.7	34.1#
65	0.0	40.5	60.7#



#30
1,2,4-Trichlorobenzene
Concen: 2.020 ng
RT: 8.19 min Scan# 1037
Delta R.T. 0.11 min
Lab File: BF100929.D
Acq: 28 Nov 2017 13:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.8	115.2#
145	160.1	26.5	39.7#

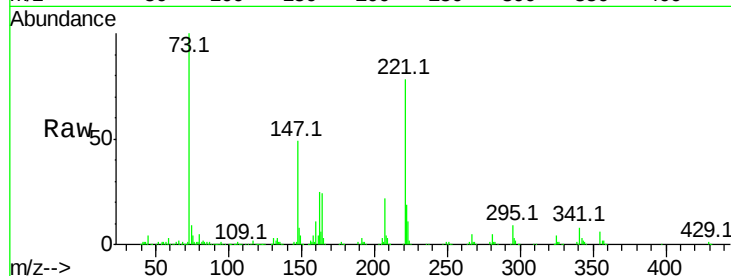




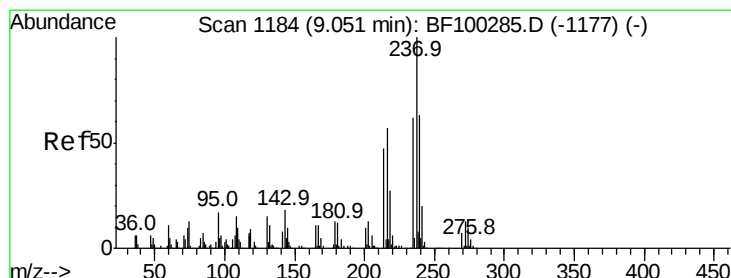
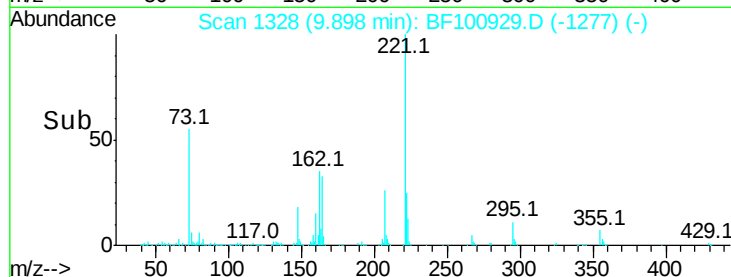
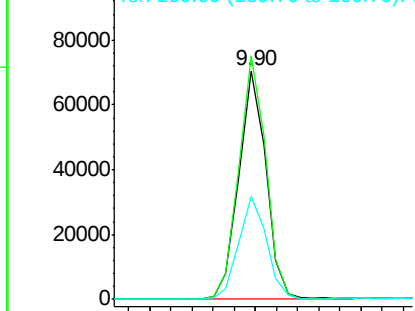
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BF100929.D
Acq: 28 Nov 2017 13:08

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 63133
Ion Ratio Lower Upper
164 100
162 106.5 86.1 129.1
160 45.1 38.3 57.5

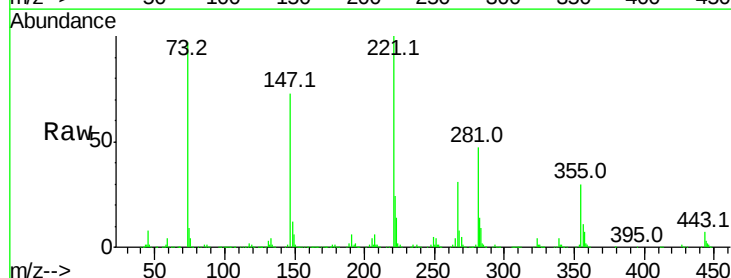


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

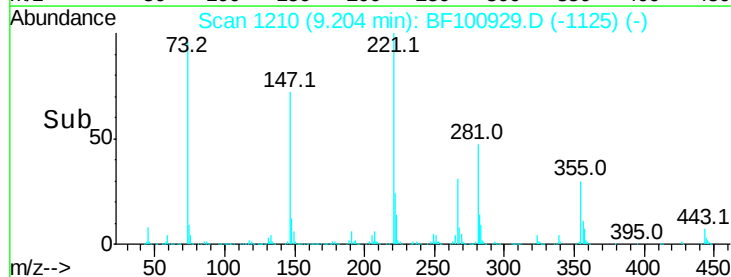
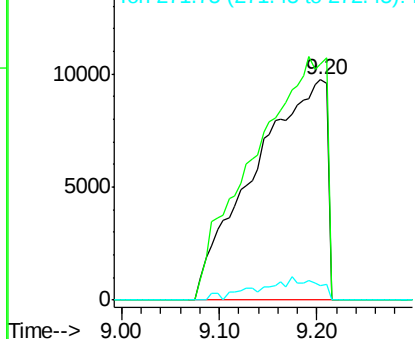


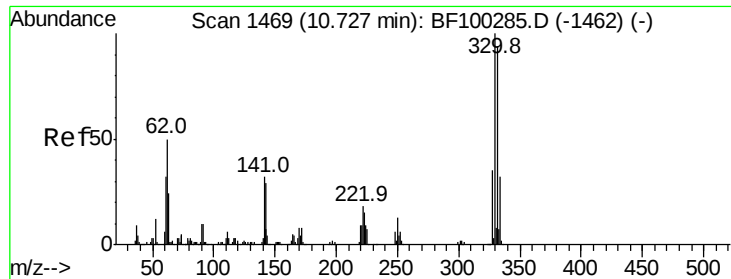
#40
Hexachlorocyclopentadiene
Concen: 51.069 ng
RT: 9.20 min Scan# 1210
Delta R.T. 0.20 min
Lab File: BF100929.D
Acq: 28 Nov 2017 13:08

Tgt Ion:237 Resp: 50326
Ion Ratio Lower Upper
237 100
235 107.3 44.8 84.8#
272 6.8 0.0 33.3



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

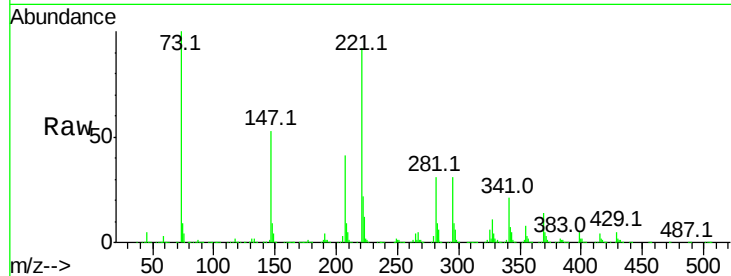




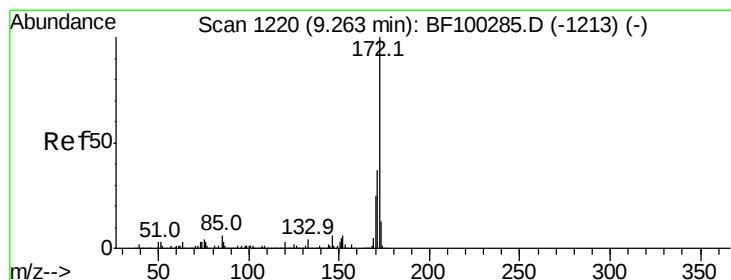
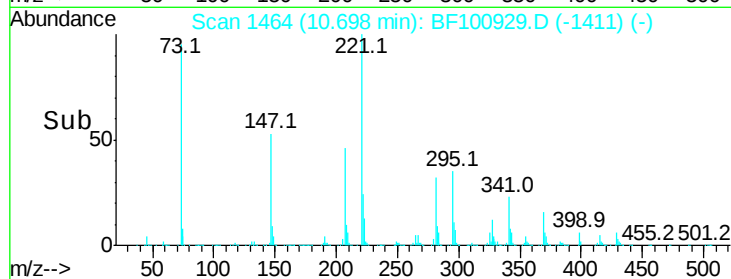
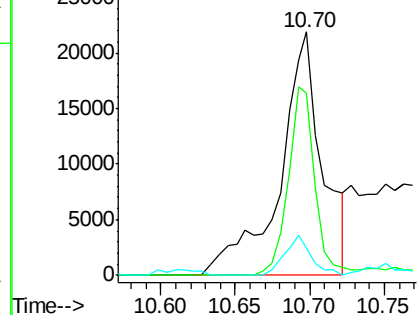
#41
2,4,6-Tribromophenol
Concen: 67.962 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.01 min
Lab File: BF100929.D
Acq: 28 Nov 2017 13:08

Instrument :
BNA_F
ClientSampled :

Tot Ion:330 Resp: 43722
Ion Ratio Lower Upper
330 100
332 48.9 77.0 115.6#
141 10.3 29.9 44.9#

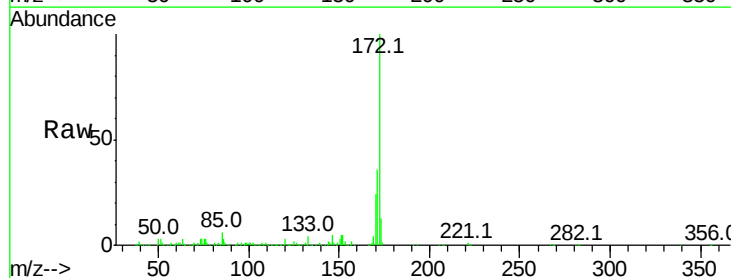


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

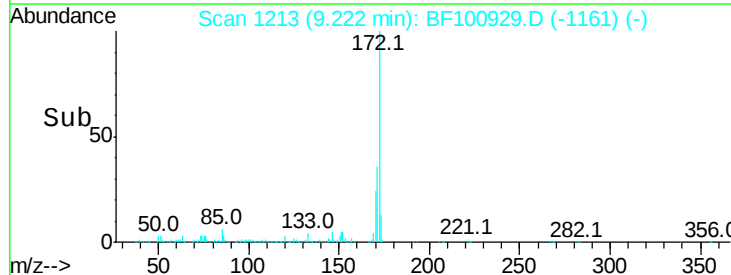
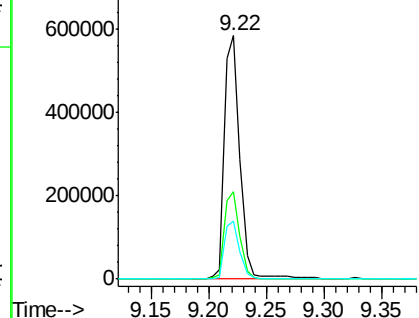


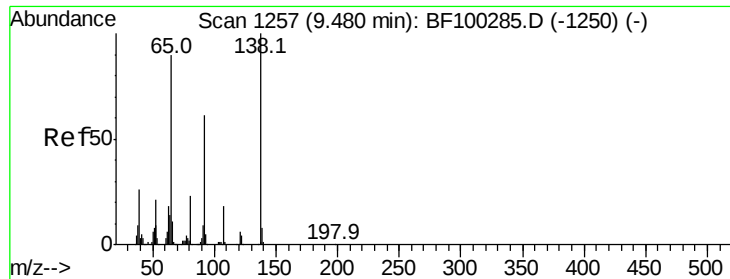
#44
2-Fluorobiphenyl
Concen: 132.419 ng
RT: 9.22 min Scan# 1213
Delta R.T. 0.01 min
Lab File: BF100929.D
Acq: 28 Nov 2017 13:08

Tgt Ion:172 Resp: 549023
Ion Ratio Lower Upper
172 100
171 36.0 29.7 44.5
170 23.7 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

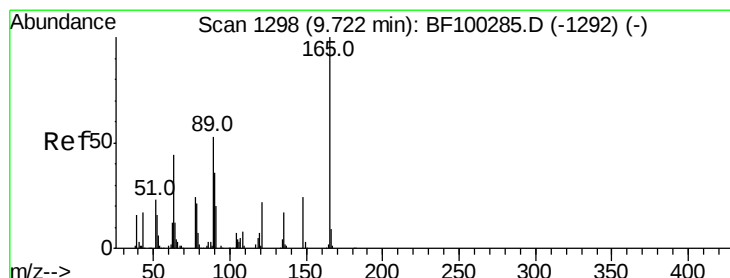
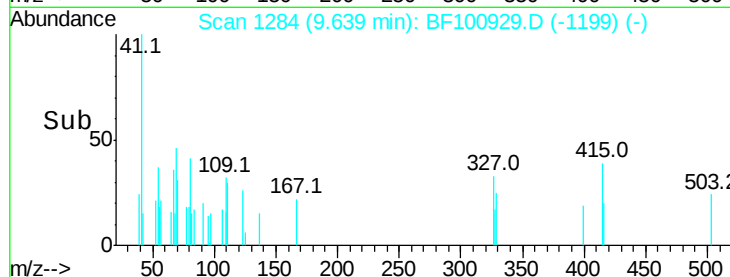
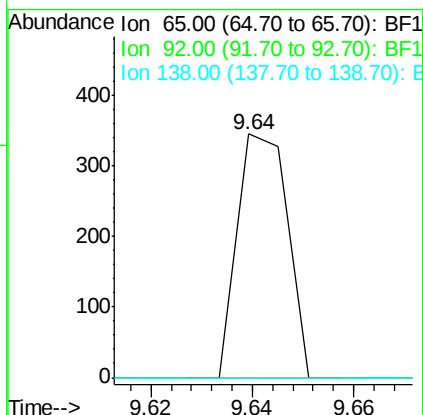
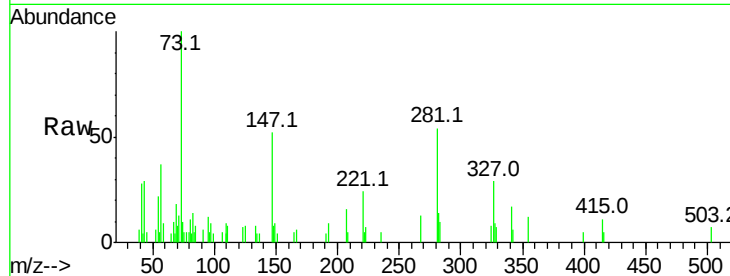




#47
2-Nitroaniline
Concen: 2.975 ng
RT: 9.64 min Scan# 1284
Delta R.T. 0.20 min
Lab File: BF100929.D
Acq: 28 Nov 2017 13:08

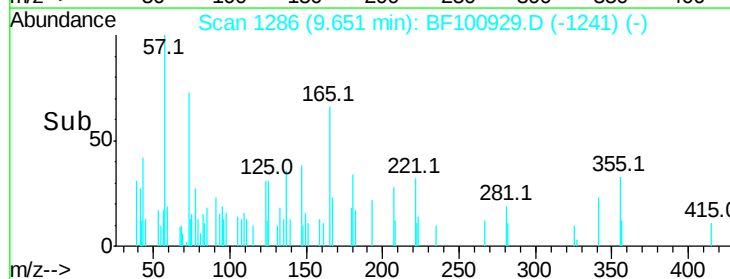
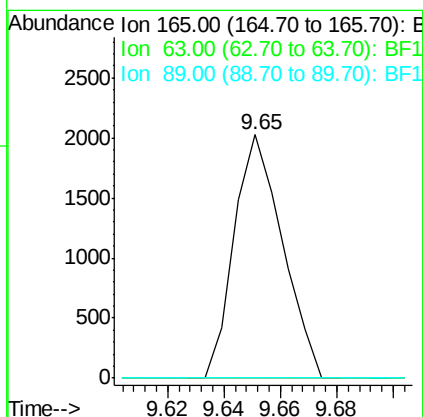
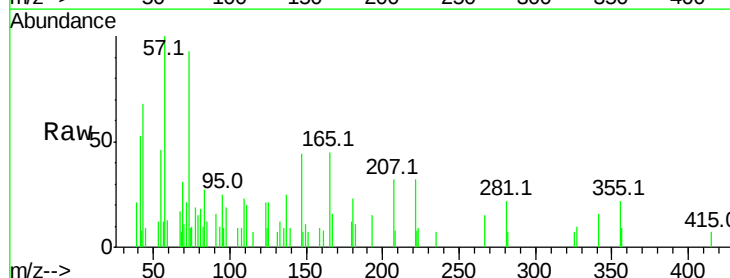
Instrument :
BNA_F
ClientSampleId :

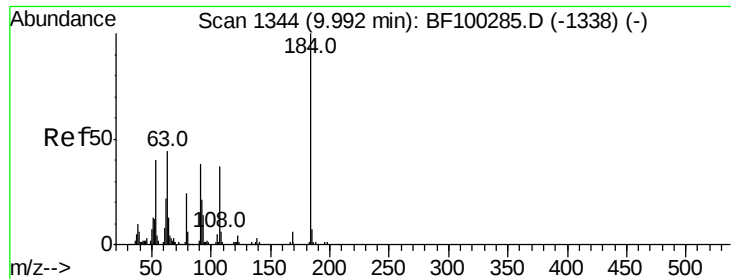
Tot Ion: 65 Resp: 238
Ion Ratio Lower Upper
65 100
92 0.0 55.8 83.6#
138 0.0 91.2 136.8#



#50
2,6-Dinitrotoluene
Concen: 2.515 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.04 min
Lab File: BF100929.D
Acq: 28 Nov 2017 13:08

Tgt Ion:165 Resp: 2400
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#





#53

2,4-Dinitrophenol

Concen: 8.203 ng

RT: 10.03 min Scan# 1351

Delta R.T. 0.07 min

Lab File: BF100929.D

Acq: 28 Nov 2017 13:08

Instrument :

BNA_F

ClientSampled :

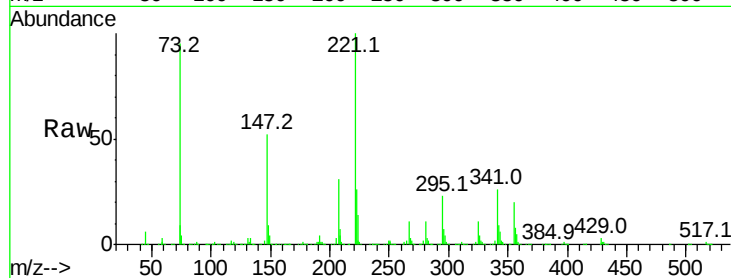
Tot Ion:184 Resp: 117

Ion Ratio Lower Upper

184 100

63 0.0 54.2 81.2#

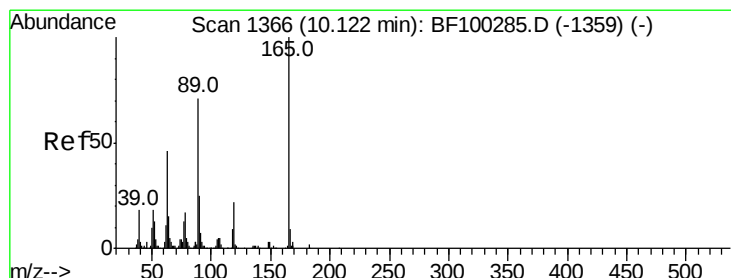
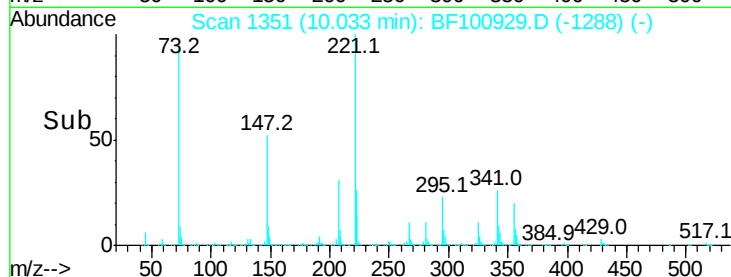
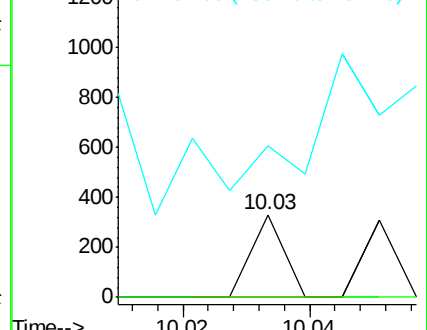
154 181.9 184.0 276.0#



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



#56

2,4-Dinitrotoluene

Concen: 2.711 ng

RT: 10.00 min Scan# 1346

Delta R.T. -0.08 min

Lab File: BF100929.D

Acq: 28 Nov 2017 13:08

Tgt Ion:165 Resp: 3263

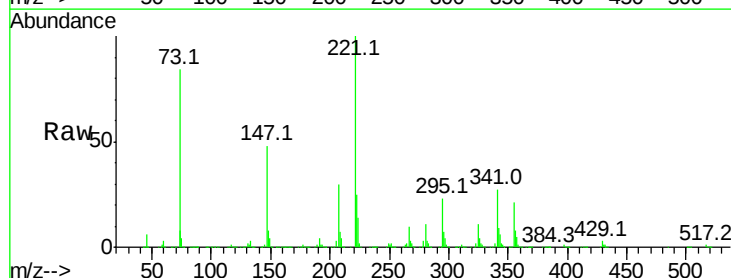
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 53.9 57.8 86.6#

182 0.0 1.6 2.4#

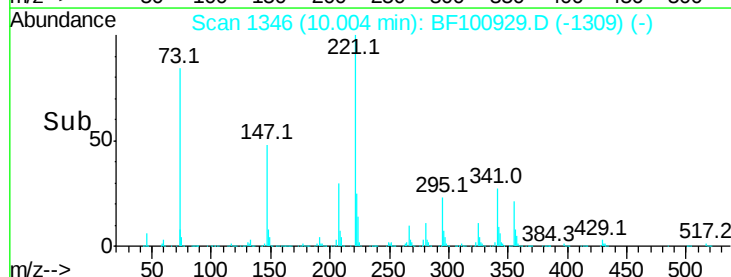
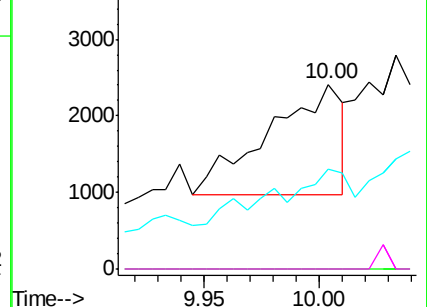


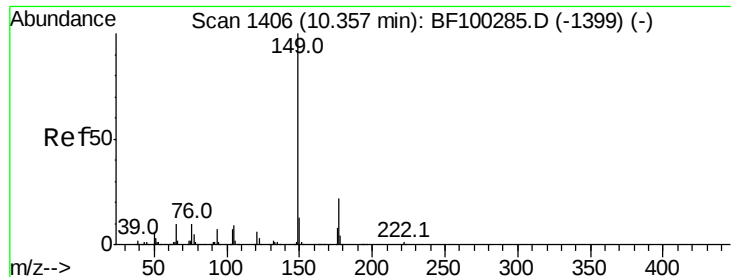
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

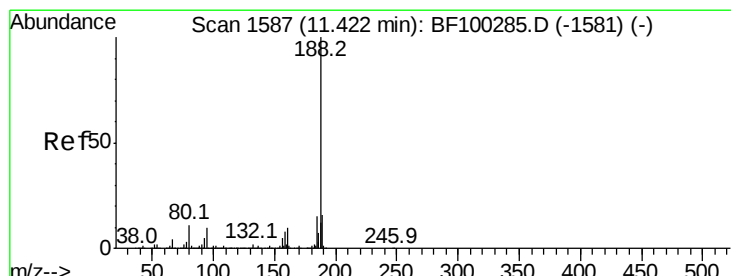
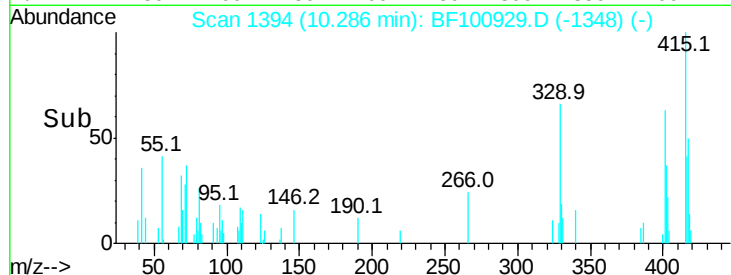
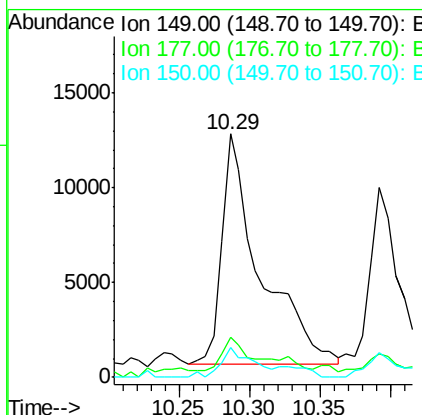
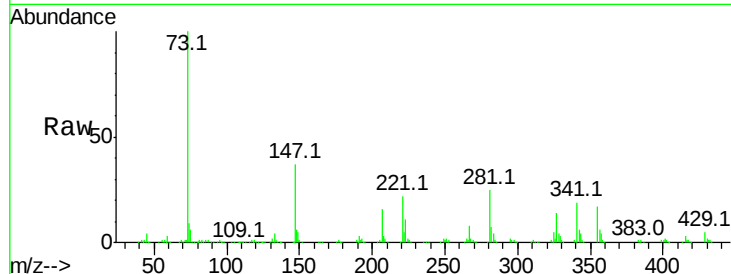




#59
Diethylphthalate
Concen: 4.788 ng
RT: 10.29 min Scan# 1394
Delta R.T. -0.03 min
Lab File: BF100929.D
Acq: 28 Nov 2017 13:08

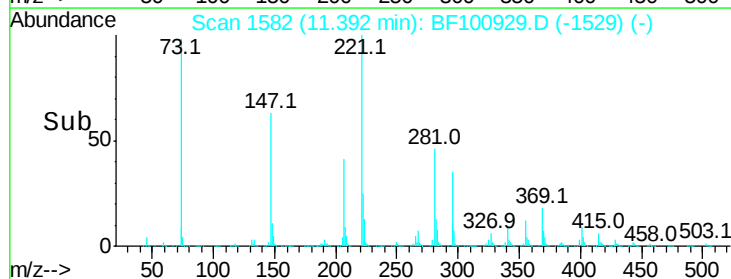
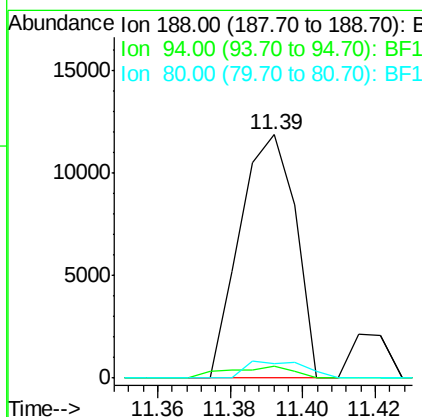
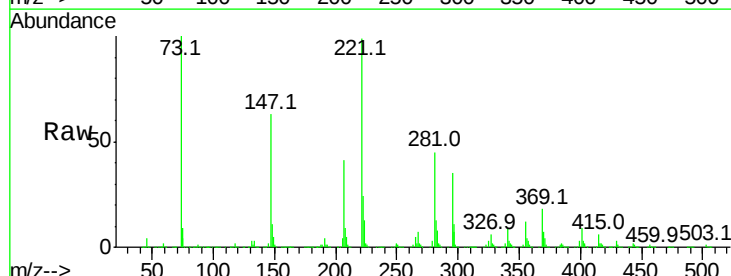
Instrument :
BNA_F
ClientSampleId :

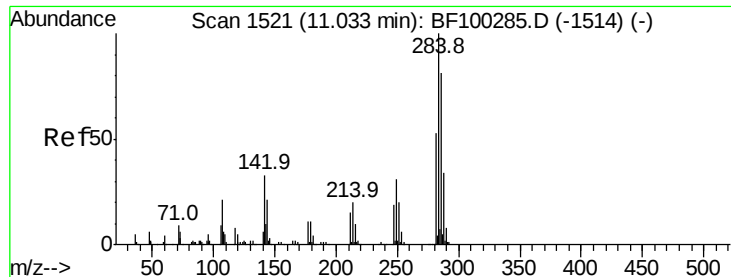
Tot Ion:149 Resp: 23097
Ion Ratio Lower Upper
149 100
177 16.6 16.1 24.1
150 12.1 10.1 15.1



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.01 min
Lab File: BF100929.D
Acq: 28 Nov 2017 13:08

Tgt Ion:188 Resp: 12677
Ion Ratio Lower Upper
188 100
94 5.1 8.5 12.7#
80 5.8 9.2 13.8#

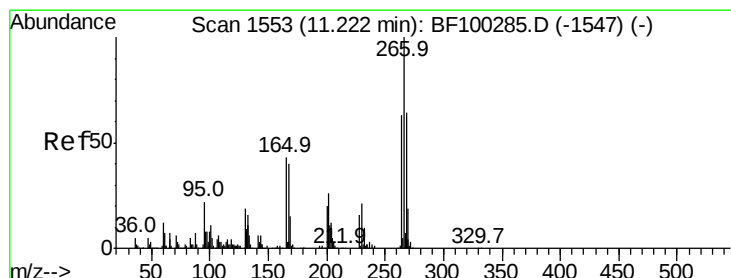
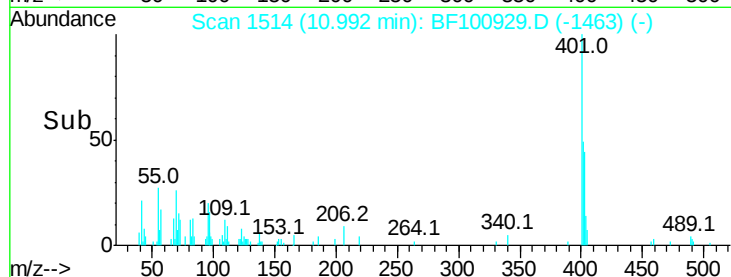
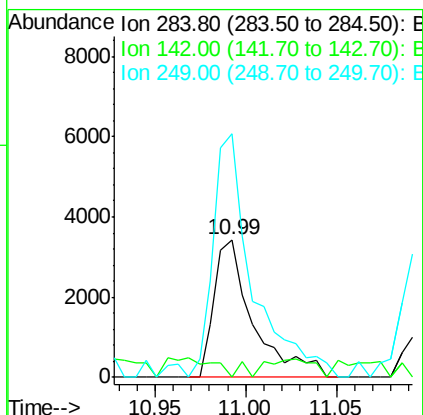
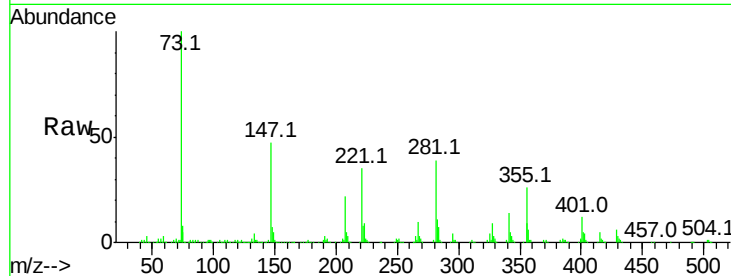




#67
Hexachlorobenzene
Concen: 36.030 ng
RT: 10.99 min Scan# 1514
Delta R.T. -0.00 min
Lab File: BF100929.D
Acq: 28 Nov 2017 13:08

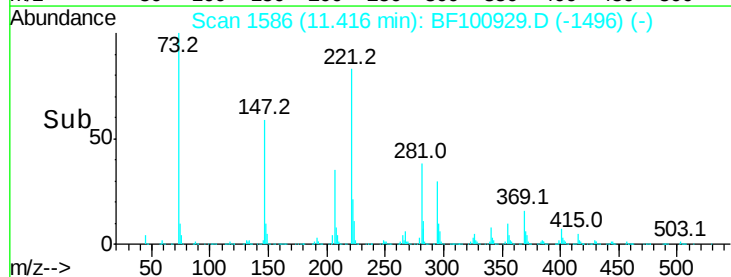
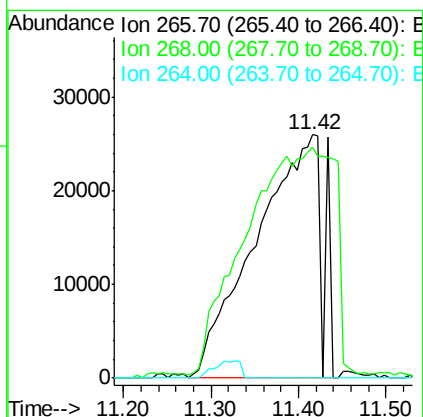
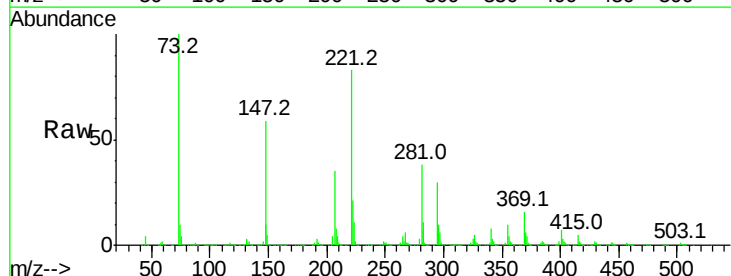
Instrument :
BNA_F
ClientSampleId :

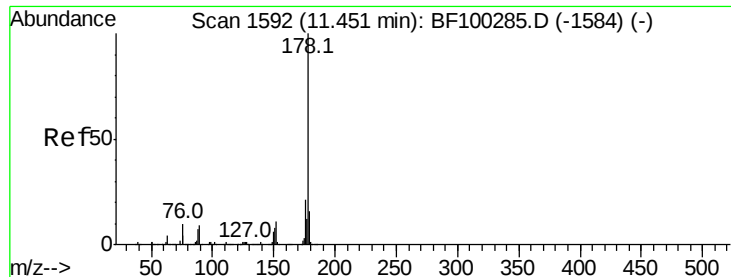
Tot Ion:284 Resp: 5121
Ion Ratio Lower Upper
284 100
142 0.0 34.6 52.0#
249 177.2 24.8 37.2#



#69
Pentachlorophenol
Concen: 1341.207 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.23 min
Lab File: BF100929.D
Acq: 28 Nov 2017 13:08

Tgt Ion:266 Resp: 136690
Ion Ratio Lower Upper
266 100
268 94.7 51.1 76.7#
264 0.0 49.5 74.3#





#70

Phenanthrene

Concen: 13.926 ng

RT: 11.42 min Scan# 1587

Delta R.T. 0.01 min

Lab File: BF100929.D

Acq: 28 Nov 2017 13:08

Instrument :

BNA_F

ClientSampled :

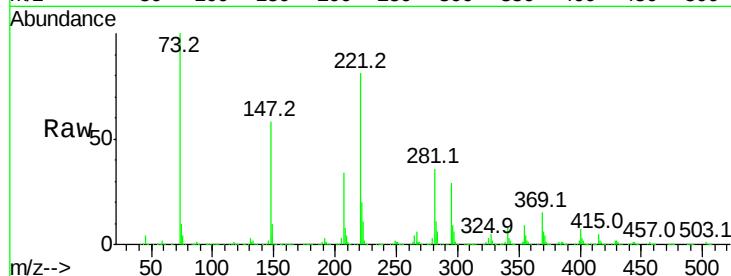
Tot Ion:178 Resp: 9295

Ion Ratio Lower Upper

178 100

176 80.9 15.8 23.8#

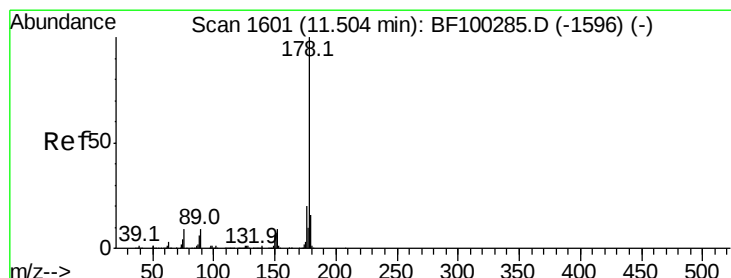
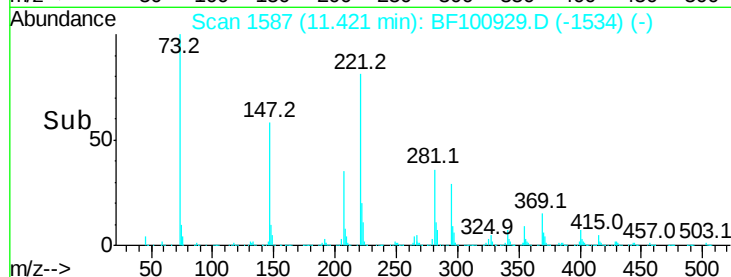
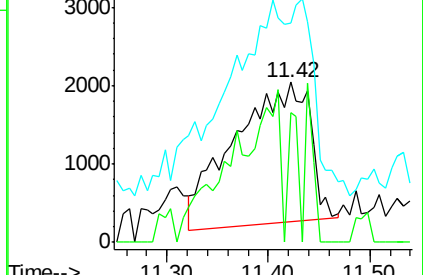
179 136.7 13.0 19.6#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 13.726 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.04 min

Lab File: BF100929.D

Acq: 28 Nov 2017 13:08

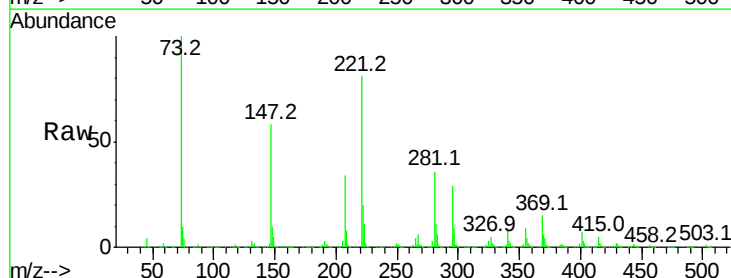
Tgt Ion:178 Resp: 9295

Ion Ratio Lower Upper

178 100

176 80.9 15.4 23.2#

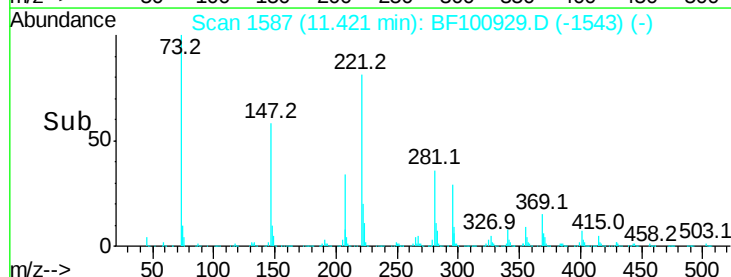
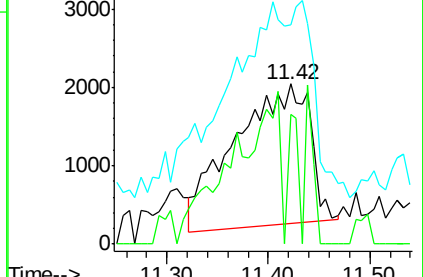
179 136.7 12.6 19.0#

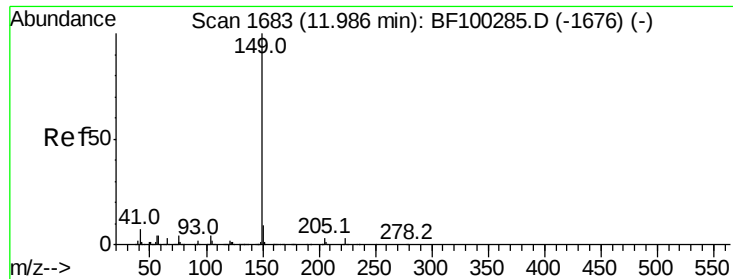


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: 638.940 ng

RT: 12.03 min Scan# 1690

Delta R.T. 0.09 min

Lab File: BF100929.D

Acq: 28 Nov 2017 13:08

Instrument :

BNA_F

ClientSampleId :

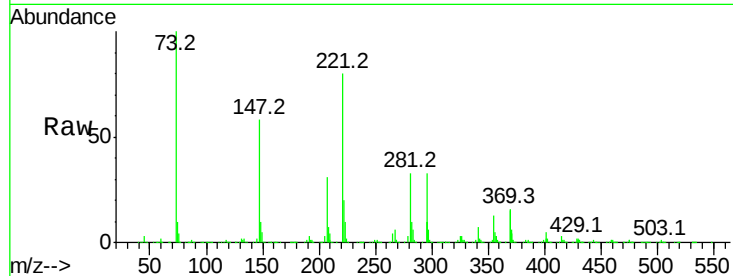
Tot Ion:149 Resp: 467196

Ion Ratio Lower Upper

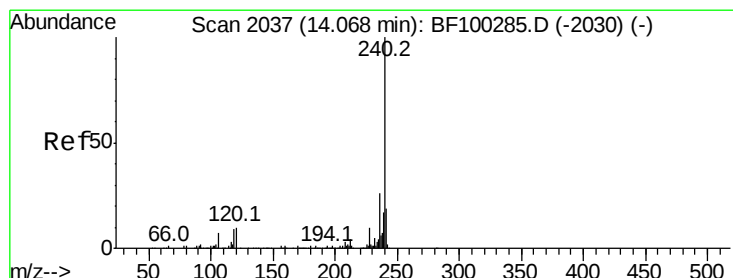
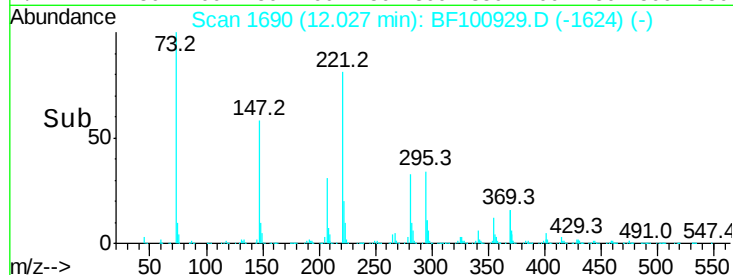
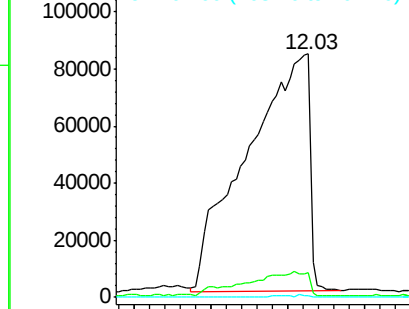
149 100

150 10.0 7.8 11.6

104 0.5 3.8 5.8#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BF100929.D

Acq: 28 Nov 2017 13:08

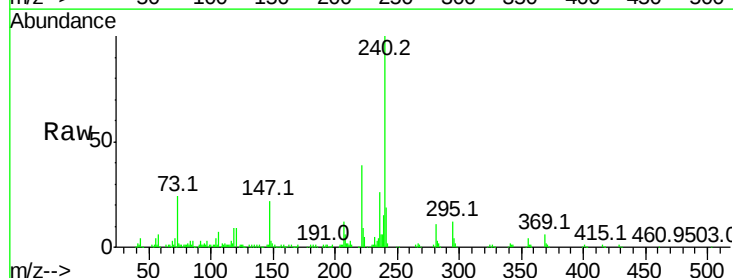
Tgt Ion:240 Resp: 147329

Ion Ratio Lower Upper

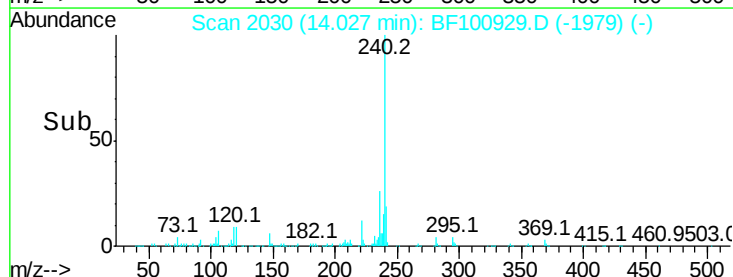
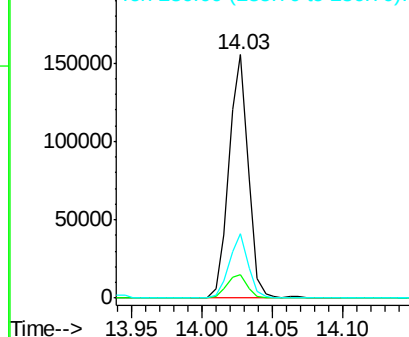
240 100

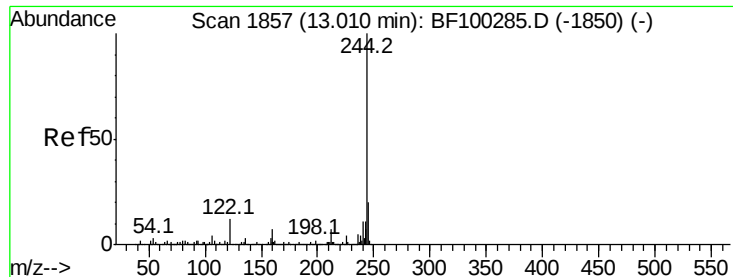
120 9.4 9.5 14.3#

236 26.3 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: 15.090 ng

RT: 12.97 min Scan# 1851

Delta R.T. 0.01 min

Lab File: BF100929.D

Acq: 28 Nov 2017 13:08

Instrument :

BNA_F

ClientSampleId :

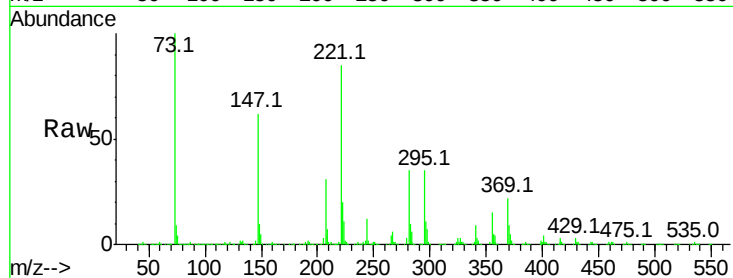
Tot Ion:244 Resp: 96756

Ion Ratio Lower Upper

244 100

212 6.0 5.4 8.0

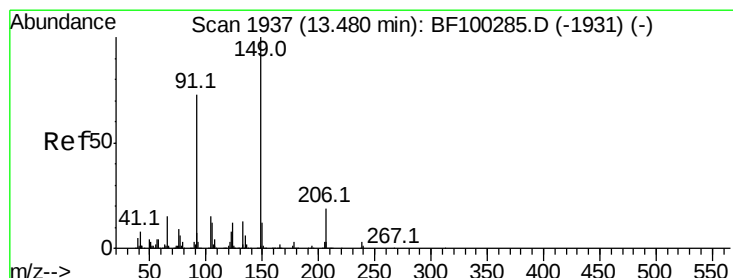
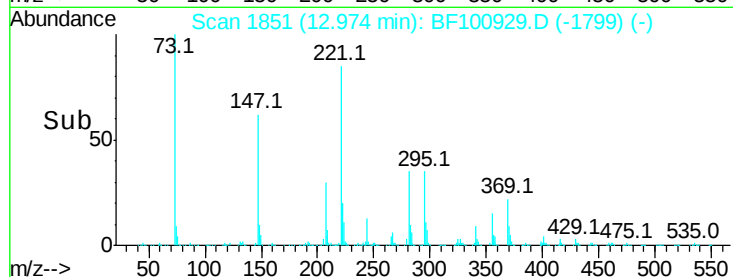
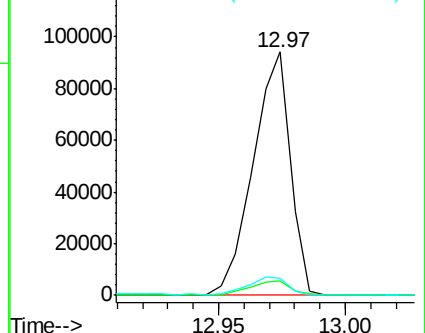
122 6.9 11.0 16.4#



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



#79

Butylbenzylphthalate

Concen: 80.429 ng

RT: 13.52 min Scan# 1943

Delta R.T. 0.08 min

Lab File: BF100929.D

Acq: 28 Nov 2017 13:08

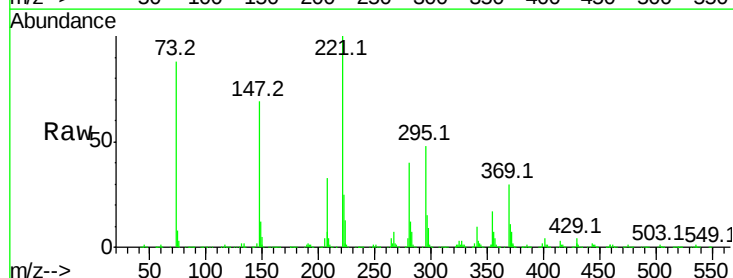
Tgt Ion:149 Resp: 344475

Ion Ratio Lower Upper

149 100

91 0.0 56.8 85.2#

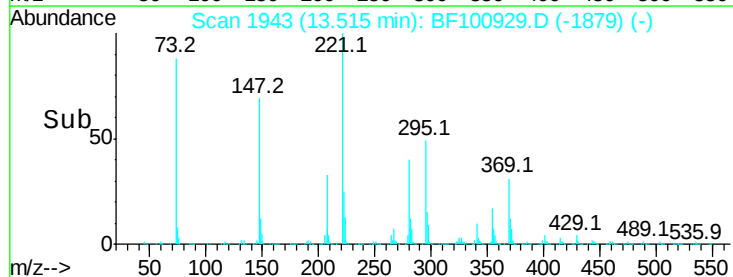
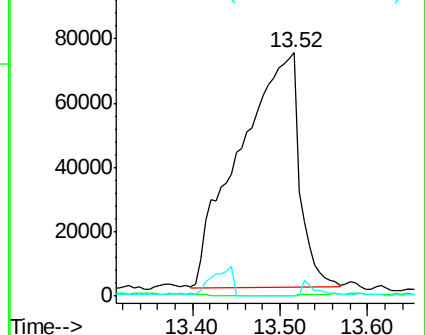
206 0.0 14.1 21.1#

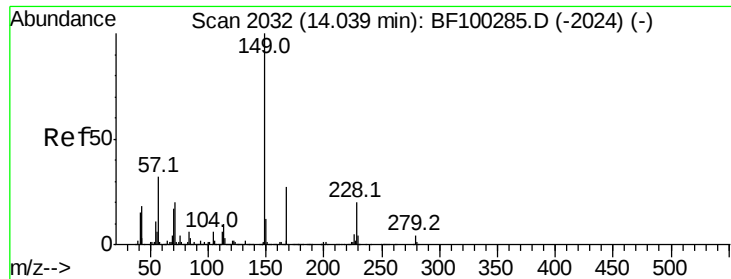


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 41.433 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BF100929.D

Acq: 28 Nov 2017 13:08

Instrument :

BNA_F

ClientSampleId :

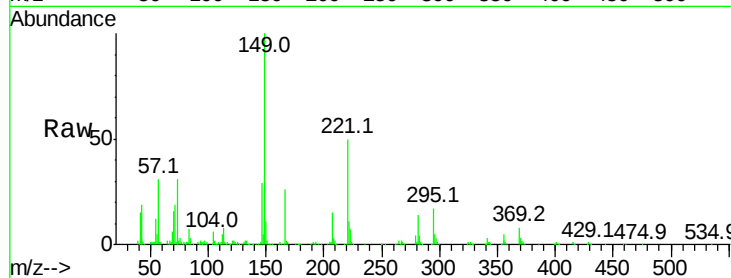
Tot Ion:149 Resp: 233396

Ion Ratio Lower Upper

149 100

167 26.0 21.3 31.9

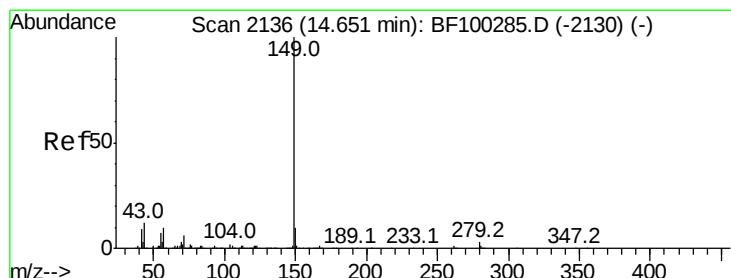
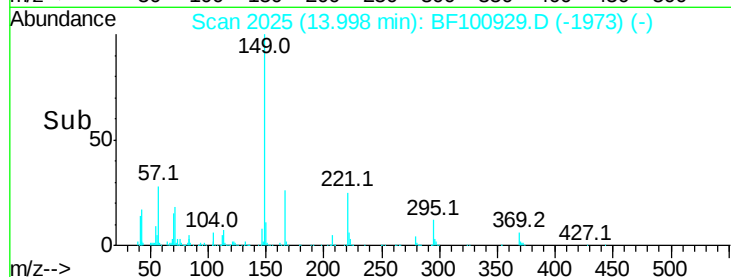
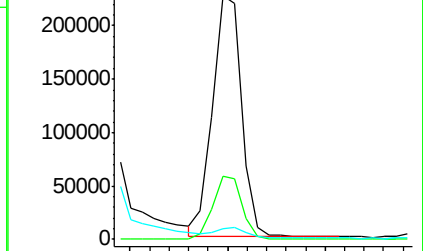
279 4.4 3.0 4.4



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



#84

Di-n-octyl phthalate

Concen: 6.962 ng

RT: 14.60 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BF100929.D

Acq: 28 Nov 2017 13:08

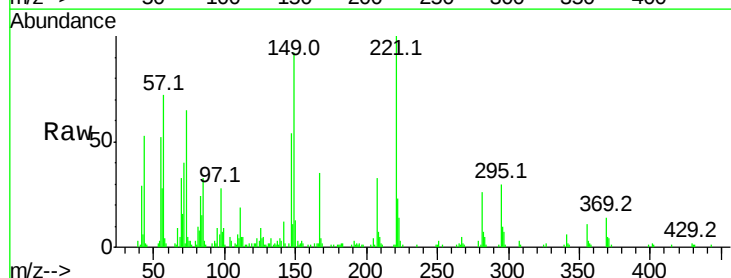
Tgt Ion:149 Resp: 67371

Ion Ratio Lower Upper

149 100

167 40.9 1.2 1.8#

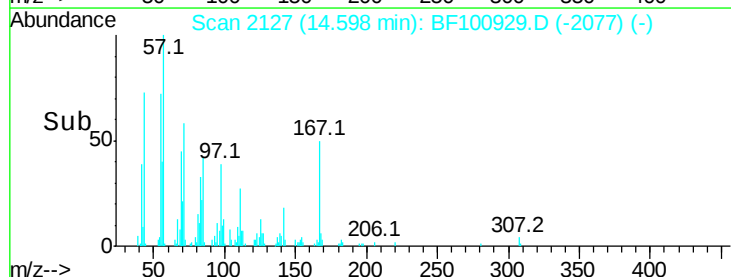
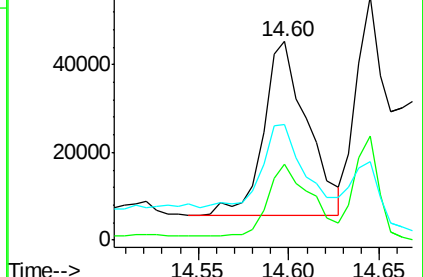
43 39.4 8.4 12.6#

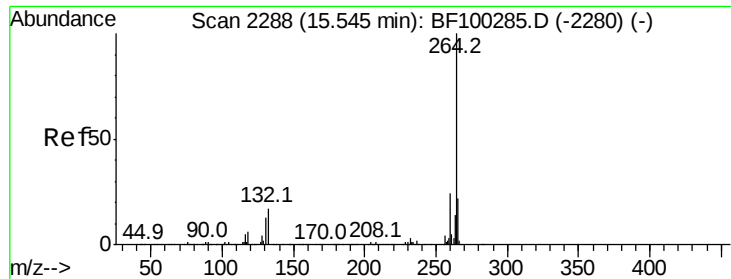


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF100929.D
Acq: 28 Nov 2017 13:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.2	17.5	26.3

