

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111317\
 Data File : BF100528.D
 Acq On : 14 Nov 2017 6:46
 Operator : SJ/JU
 Sample : I6441-24
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 14 08:42:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 14 02:37:14 2017
 Response via : Initial Calibration

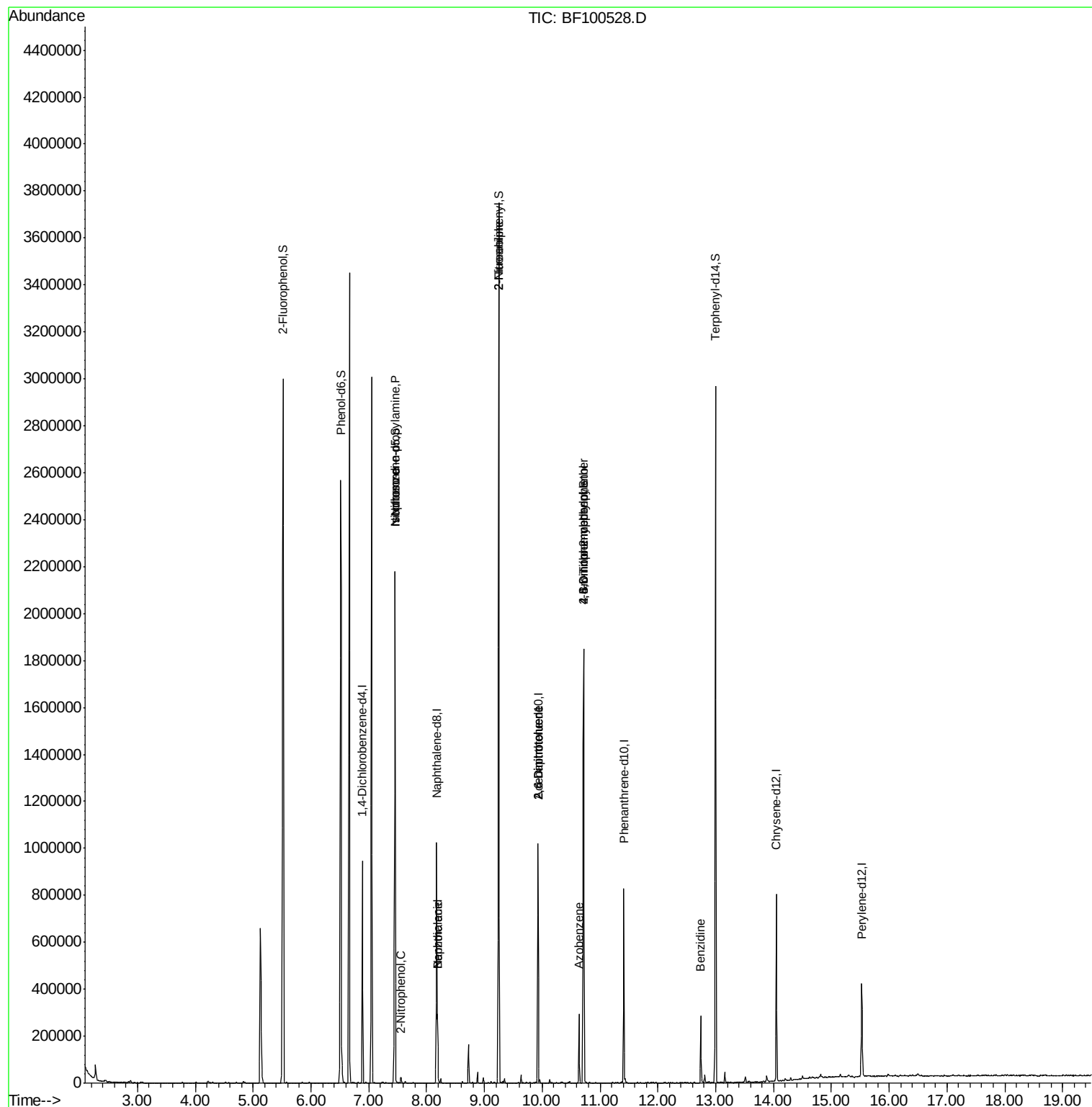
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	131320	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	478466	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	185518	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	279667	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	262405	20.00	ng	-0.02
86) Perylene-d12	15.53	264	187359	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	933128	113.90	ng	0.00
7) Phenol-d6	6.52	99	994503	98.45	ng	0.00
23) Nitrobenzene-d5	7.46	82	781378	107.97	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	228605	120.93	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	1314140	107.86	ng	-0.01
78) Terphenyl-d14	13.00	244	985178	86.27	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	103214	14.73	ng	# 81
25) Isophorone	7.46	82	781368	51.38	ng	# 64
26) 2-Nitrophenol	7.55	139	109	5.41	ng	# 34
31) Naphthalene	8.19	128	111585	4.84	ng	# 98
32) Benzoic acid	8.19	122	153	9.39	ng	# 1
47) 2-Nitroaniline	9.25	65	2082	3.35	ng	# 1
50) 2,6-Dinitrotoluene	9.93	165	23683	8.45	ng	# 24
56) 2,4-Dinitrotoluene	9.93	165	23683	6.70	ng	# 22
62) Azobenzene	10.64	77	48090	3.60	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.72	198	383	8.79	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	14666	4.89	ng	# 1
76) Benzidine	12.75	184	114181	10.87	ng	# 98

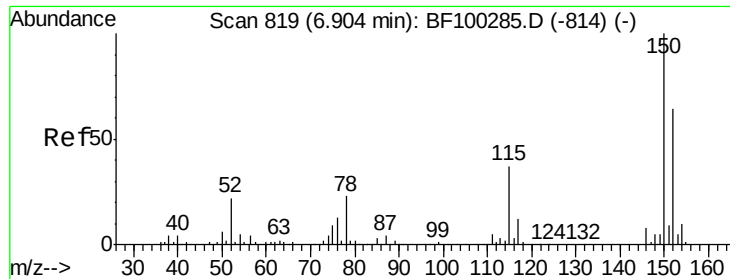
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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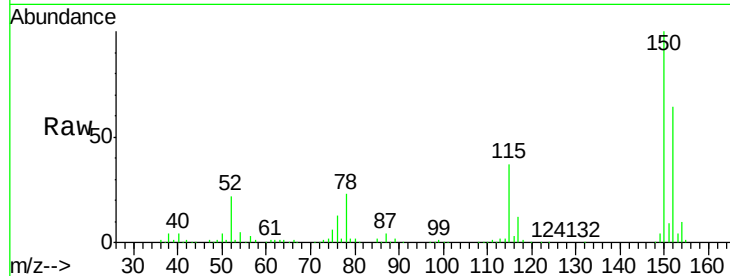


#1

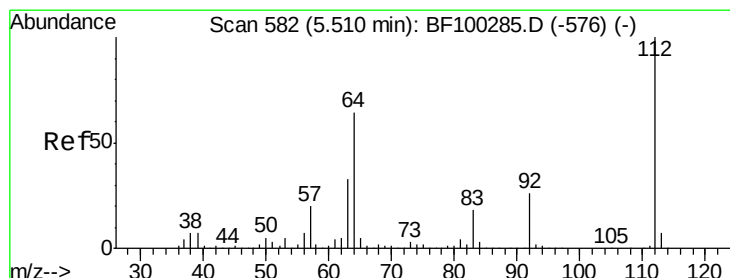
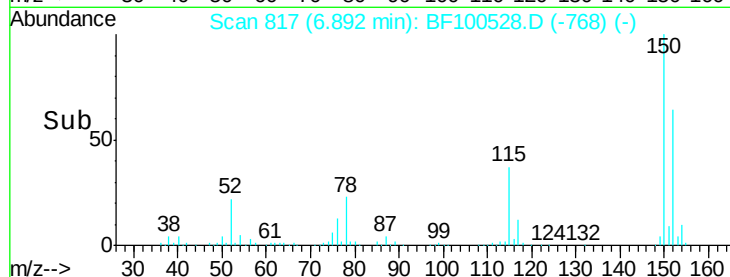
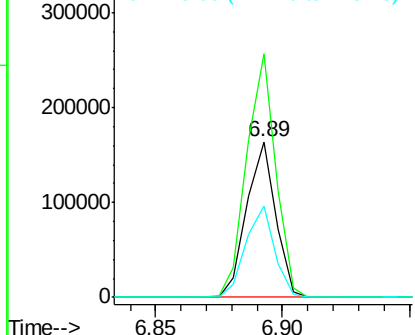
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF100528.D
Acq: 14 Nov 2017 6:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 131320
Ion Ratio Lower Upper
152 100
150 156.8 124.6 186.8
115 58.7 50.1 75.1



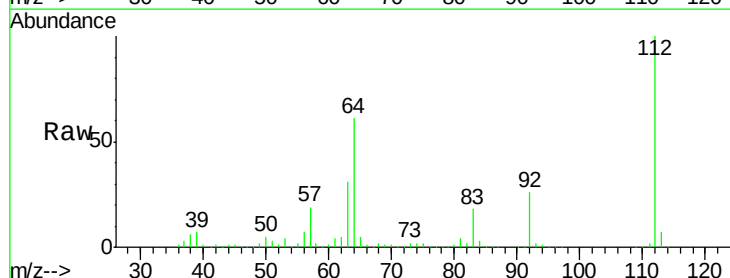
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



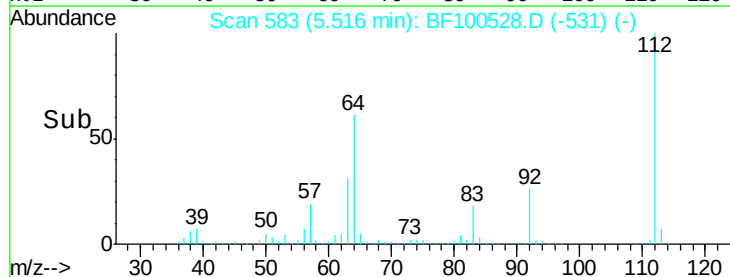
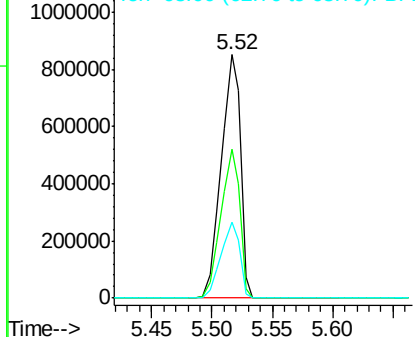
#5

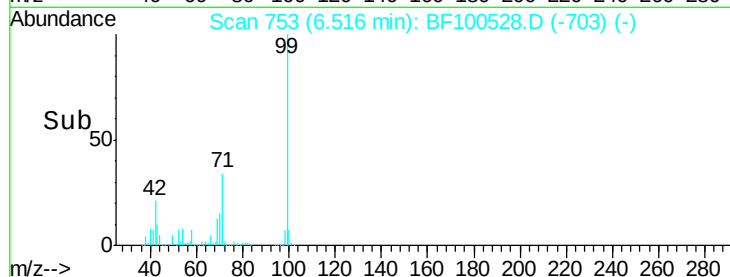
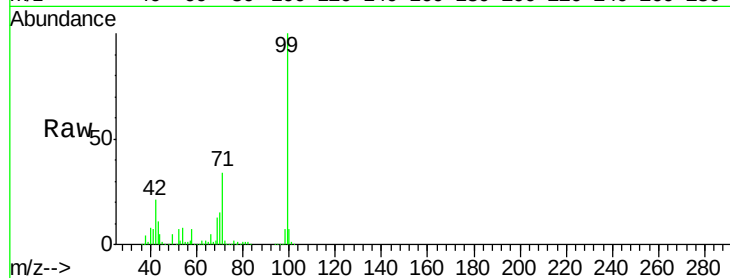
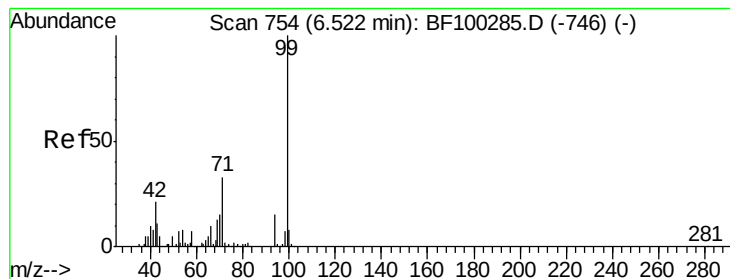
2-Fluorophenol
Concen: 113.90 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.01 min
Lab File: BF100528.D
Acq: 14 Nov 2017 6:46

Tgt Ion:112 Resp: 933128
Ion Ratio Lower Upper
112 100
64 60.9 47.9 71.9
63 31.4 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: 98.45 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF100528.D

Acq: 14 Nov 2017 6:46

Instrument :

BNA_F

ClientSampled :

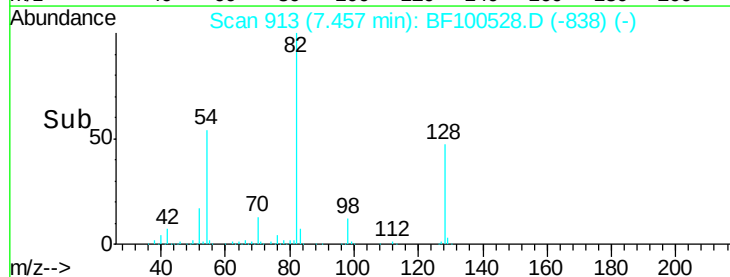
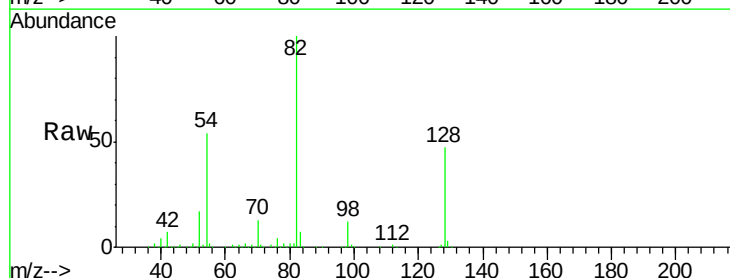
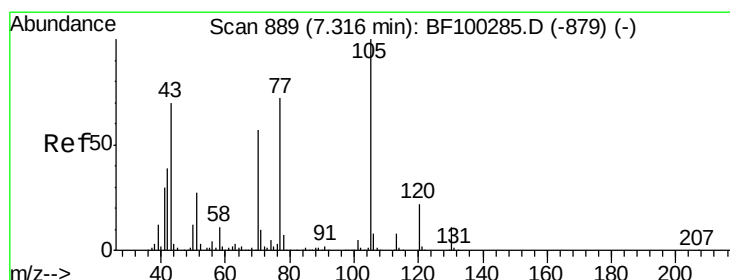
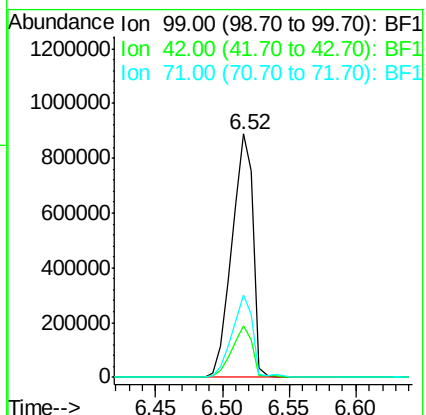
Tot Ion: 99 Resp: 994503

Ion Ratio Lower Upper

99 100

42 21.1 14.5 21.7

71 33.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.73 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.14 min

Lab File: BF100528.D

Acq: 14 Nov 2017 6:46

Tgt Ion: 70 Resp: 103214

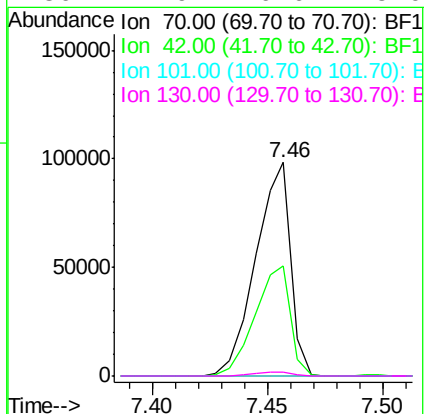
Ion Ratio Lower Upper

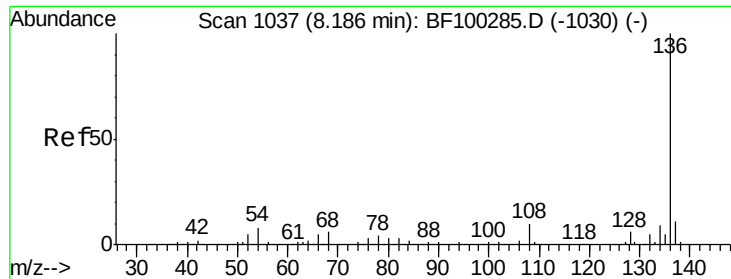
70 100

42 51.4 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

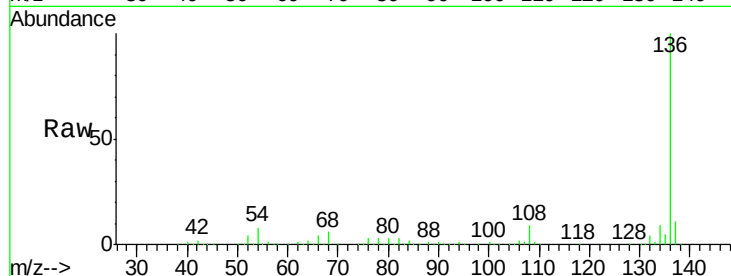




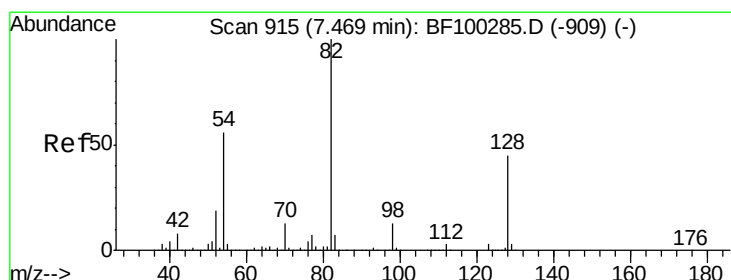
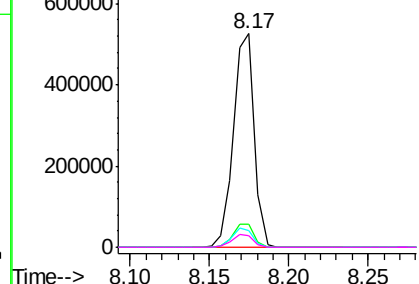
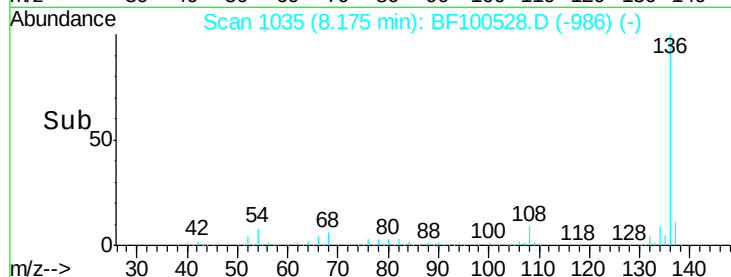
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF100528.D
Acq: 14 Nov 2017 6:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	478466
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.9 13.3
54	8.0	6.6 9.8
68	5.6	5.0 7.4

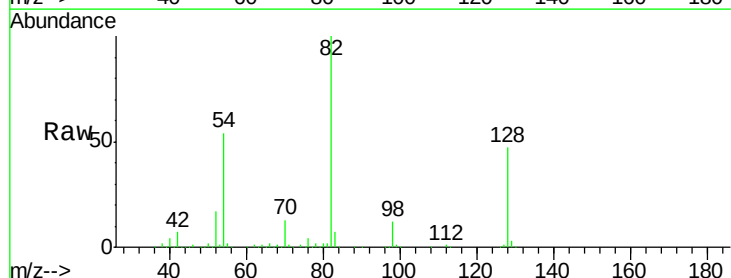


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

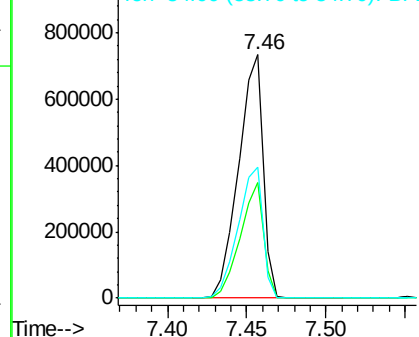
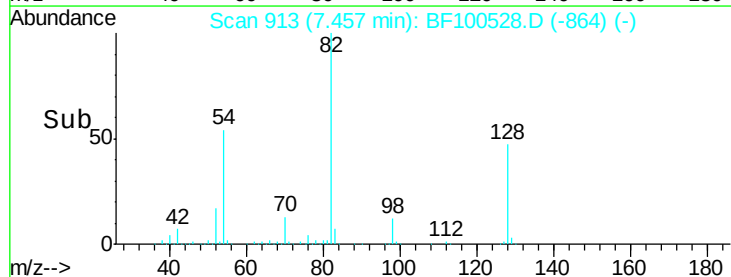


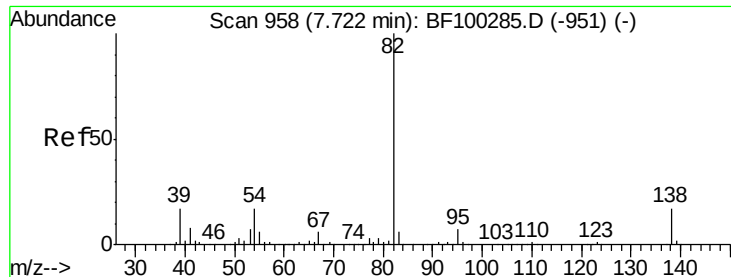
#23
Nitrobenzene-d5
Concen: 107.97 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.01 min
Lab File: BF100528.D
Acq: 14 Nov 2017 6:46

Tgt Ion: 82	Resp:	781378
Ion Ratio	Lower	Upper
82	100	
128	47.3	36.1 54.1
54	54.0	41.4 62.2



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





#25

Isophorone

Concen: 51.38 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.26 min

Lab File: BF100528.D

Acq: 14 Nov 2017 6:46

Instrument :

BNA_F

ClientSampleId :

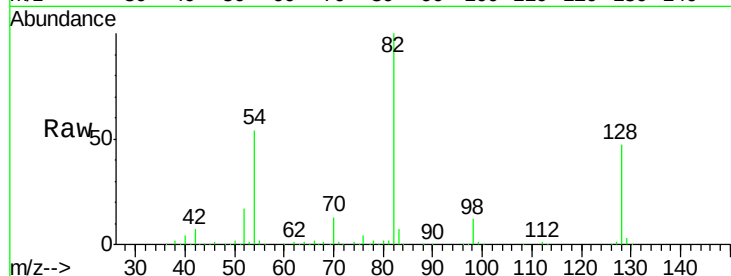
Tot Ion: 82 Resp: 781368

Ion Ratio Lower Upper

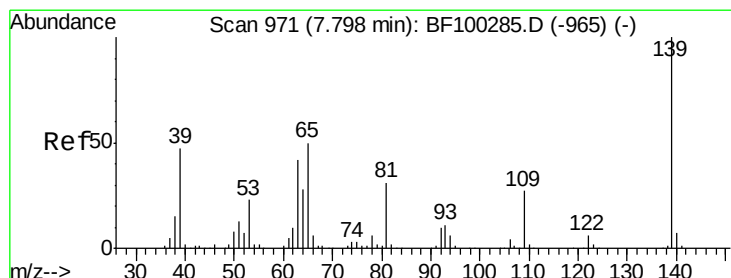
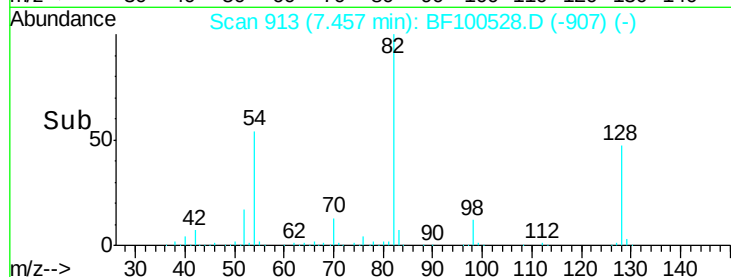
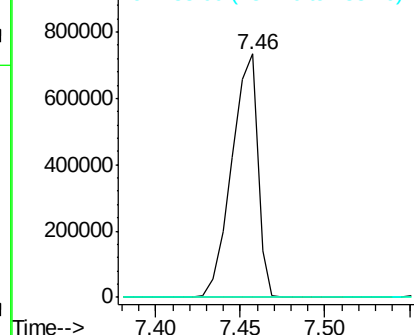
82 100

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: 5.41 ng

RT: 7.55 min Scan# 929

Delta R.T. -0.25 min

Lab File: BF100528.D

Acq: 14 Nov 2017 6:46

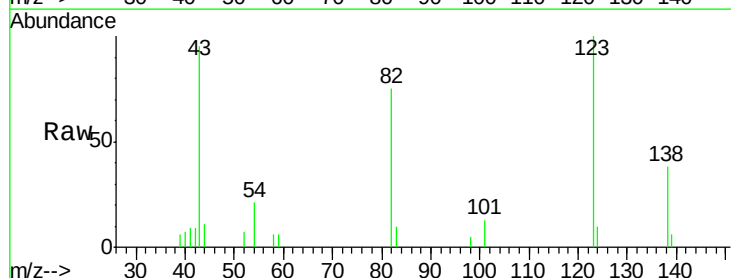
Tgt Ion: 139 Resp: 109

Ion Ratio Lower Upper

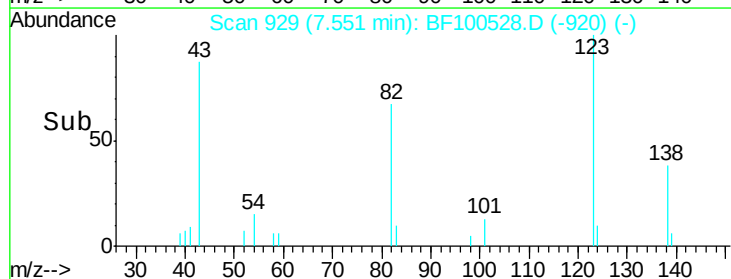
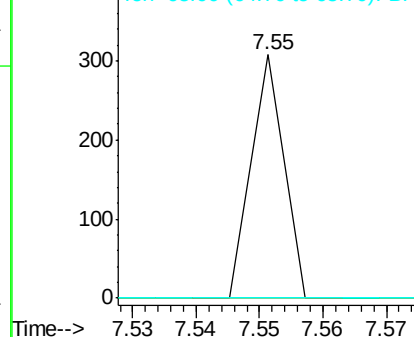
139 100

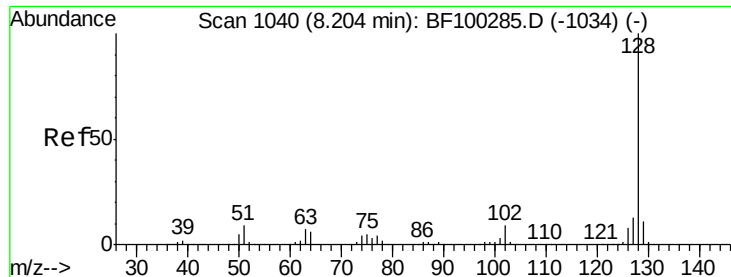
109 0.0 22.7 34.1#

65 0.0 40.5 60.7#



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#31

Naphthalene

Concen: 4.84 ng

RT: 8.19 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF100528.D

Acq: 14 Nov 2017 6:46

Instrument :

BNA_F

ClientSampleId :

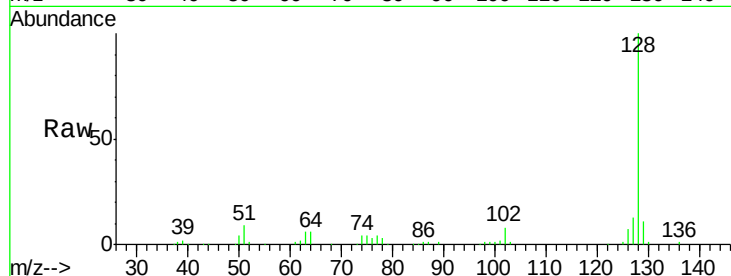
Tot Ion:128 Resp: 111585

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

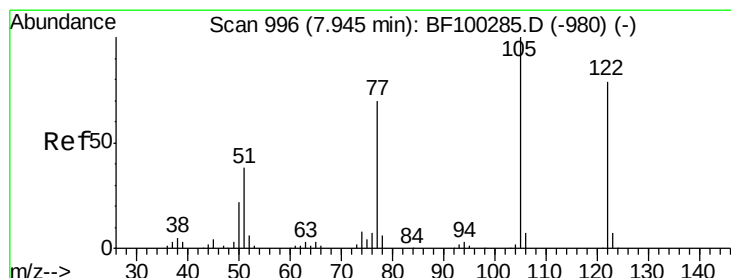
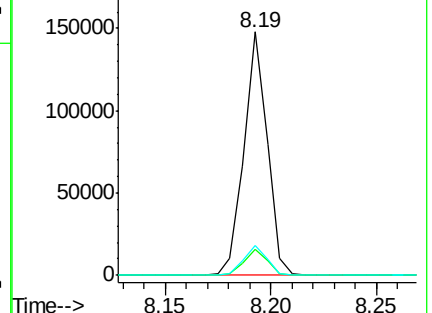
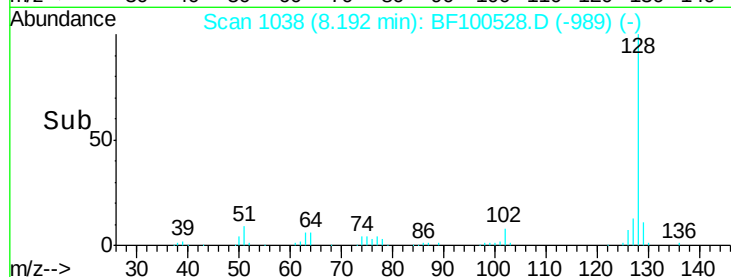
127 12.5 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 9.39 ng

RT: 8.19 min Scan# 1038

Delta R.T. 0.25 min

Lab File: BF100528.D

Acq: 14 Nov 2017 6:46

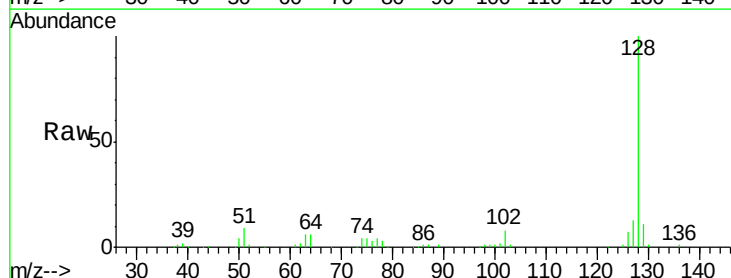
Tgt Ion:122 Resp: 153

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

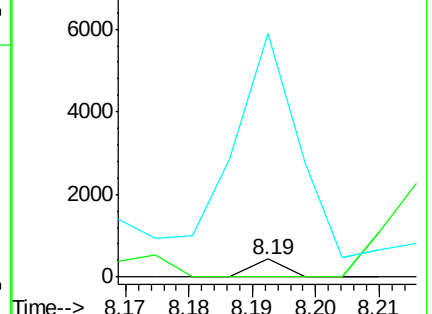
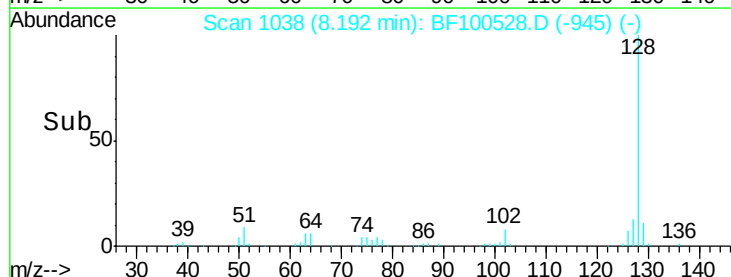
77 1357.6 70.7 110.7#

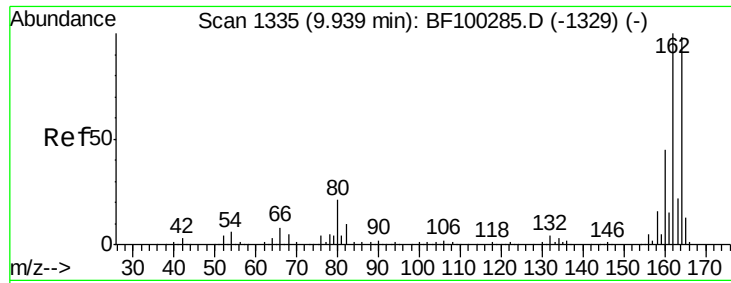


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

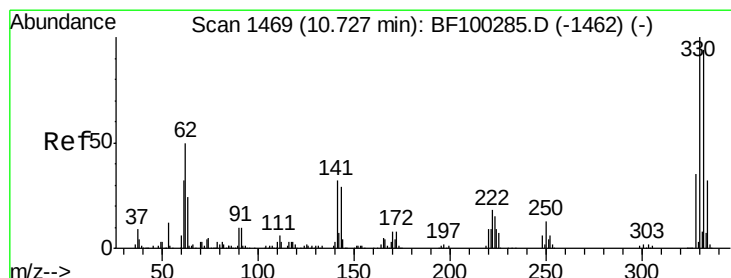
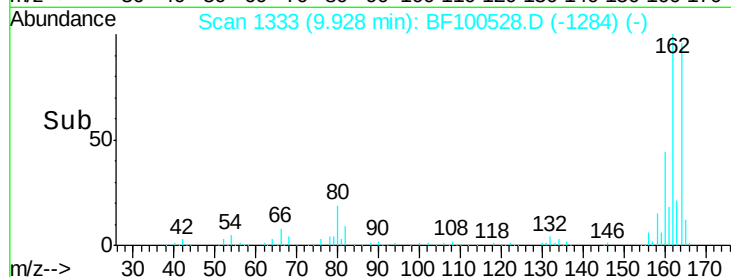
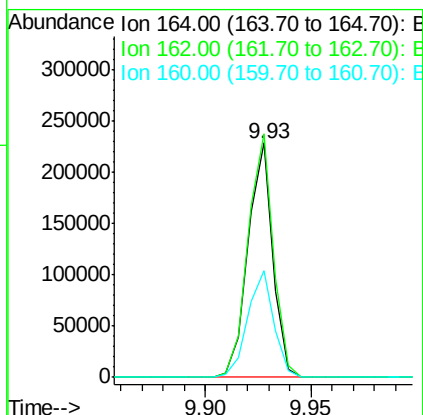
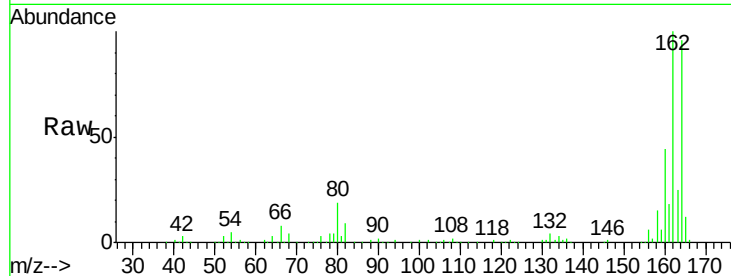




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF100528.D
Acq: 14 Nov 2017 6:46

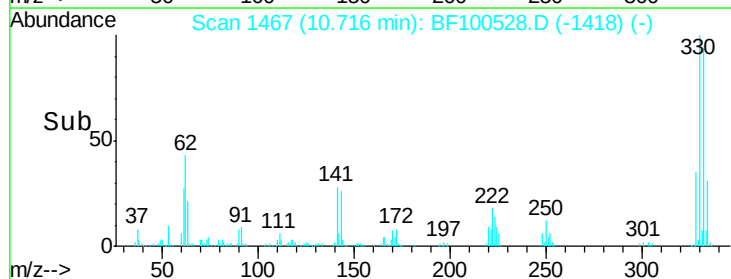
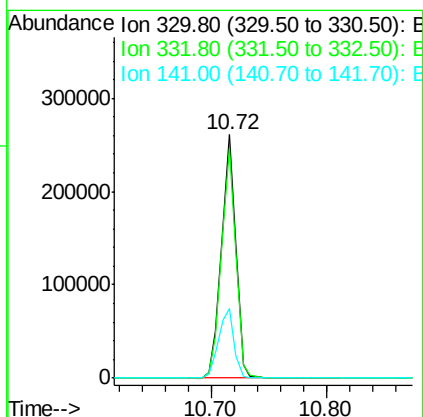
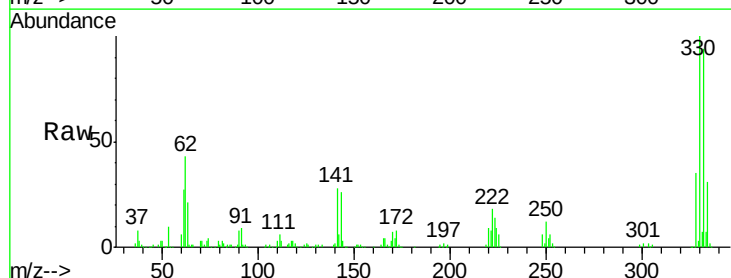
Instrument :
BNA_F
ClientSampleId :

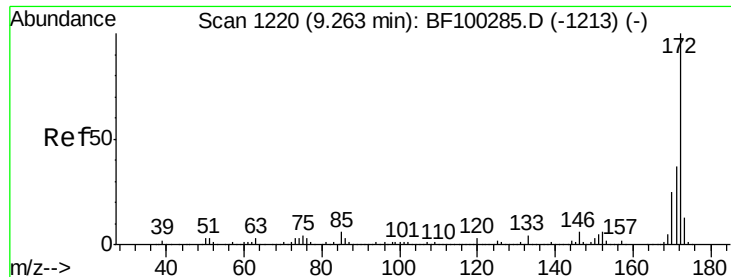
Tot Ion:164 Resp: 185518
Ion Ratio Lower Upper
164 100
162 103.8 86.1 129.1
160 45.7 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 120.93 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF100528.D
Acq: 14 Nov 2017 6:46

Tgt Ion:330 Resp: 228605
Ion Ratio Lower Upper
330 100
332 95.0 77.0 115.6
141 30.1 29.9 44.9

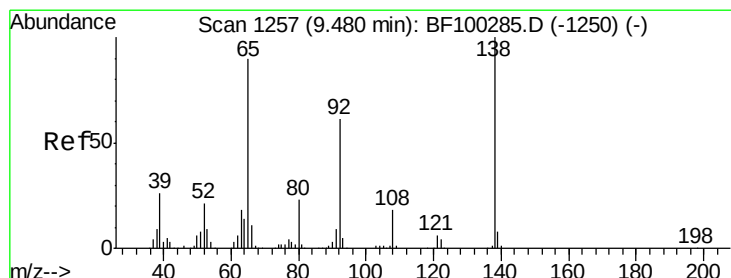
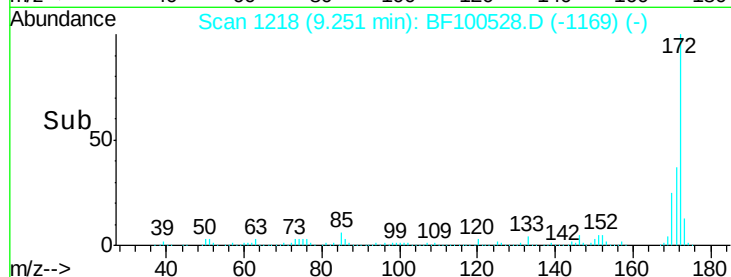
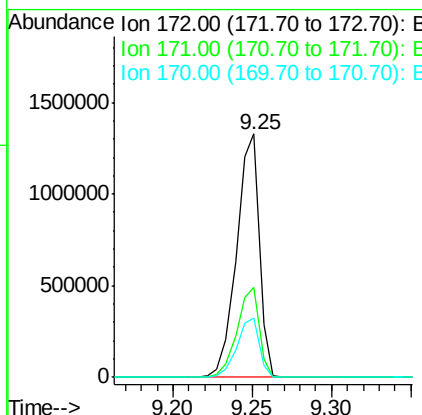
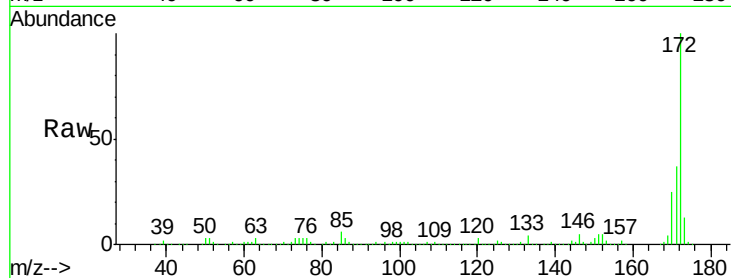




#44
2-Fluorobiphenyl
Concen: 107.86 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF100528.D
Acq: 14 Nov 2017 6:46

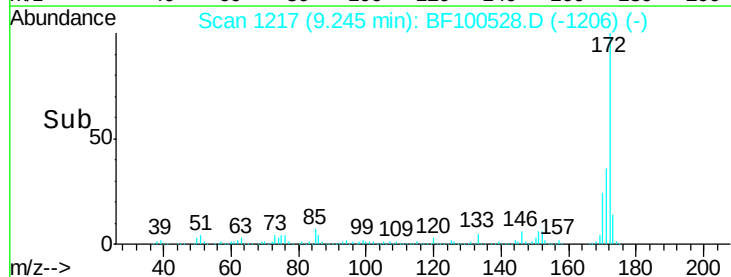
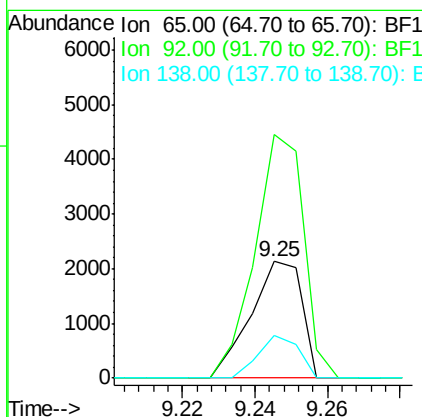
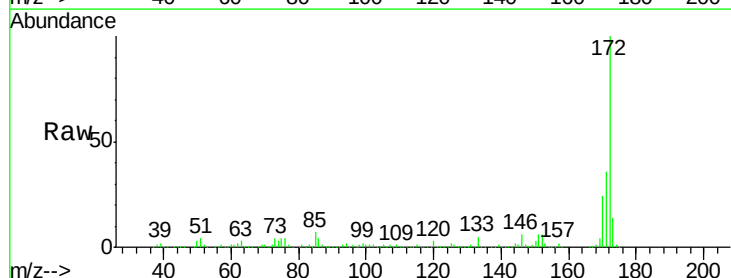
Instrument :
BNA_F
ClientSampleId :

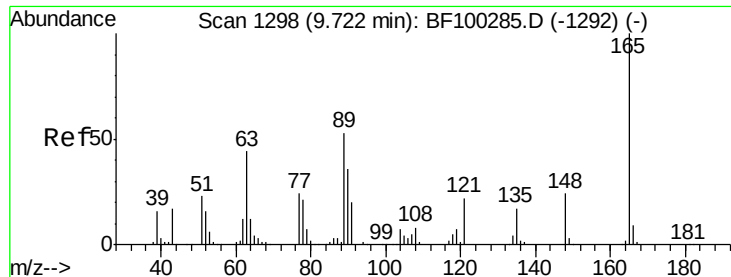
Tot Ion:172 Resp: 1314140
Ion Ratio Lower Upper
172 100
171 36.9 29.7 44.5
170 24.5 19.6 29.4



#47
2-Nitroaniline
Concen: 3.35 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.24 min
Lab File: BF100528.D
Acq: 14 Nov 2017 6:46

Tgt Ion: 65 Resp: 2082
Ion Ratio Lower Upper
65 100
92 209.2 55.8 83.6#
138 36.8 91.2 136.8#

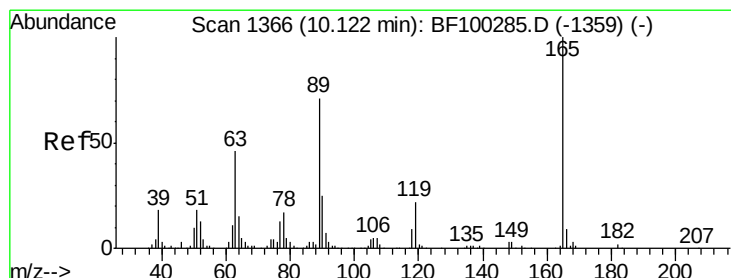
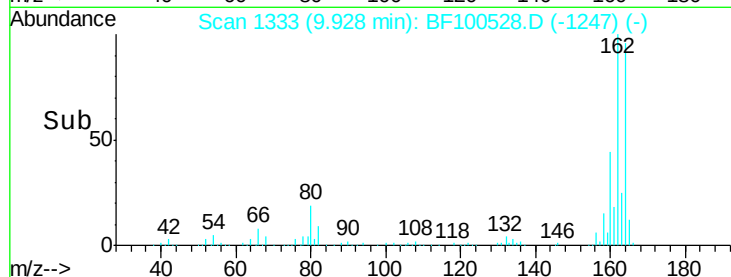
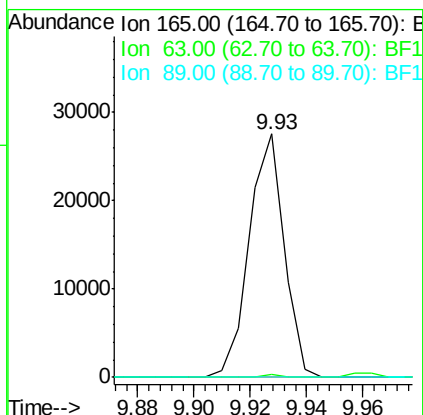
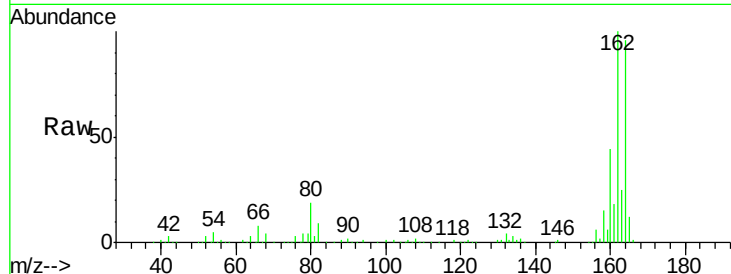




#50
2,6-Dinitrotoluene
Concen: 8.45 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.21 min
Lab File: BF100528.D
Acq: 14 Nov 2017 6:46

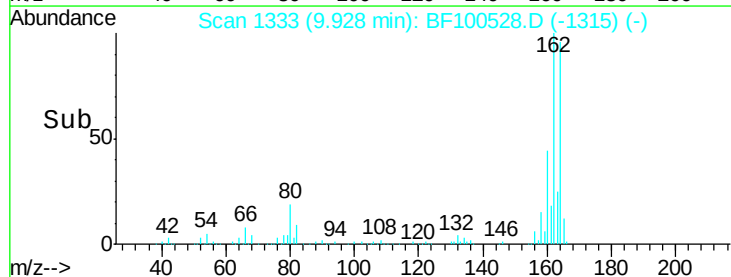
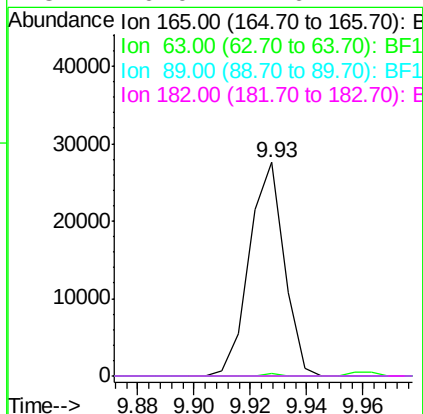
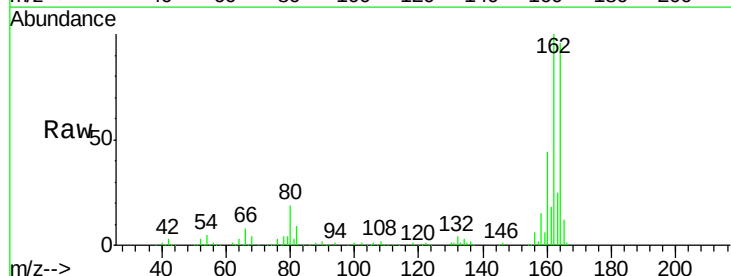
Instrument :
BNA_F
ClientSampleId :

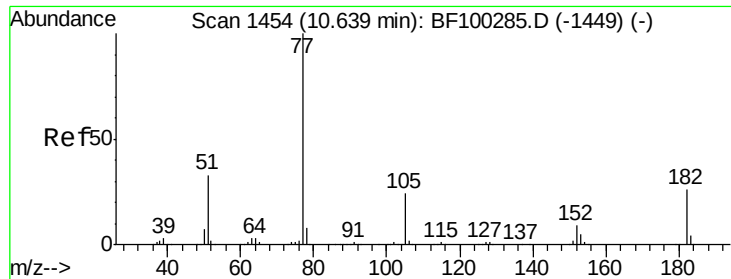
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	0.0	44.0	66.0#



#56
2,4-Dinitrotoluene
Concen: 6.70 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.19 min
Lab File: BF100528.D
Acq: 14 Nov 2017 6:46

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#





#62

Azobenzene

Concen: 3.60 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.00 min

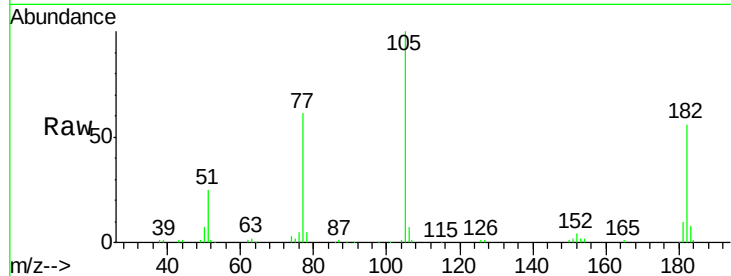
Lab File: BF100528.D

Acq: 14 Nov 2017 6:46

Instrument :

BNA_F

ClientSampleId :



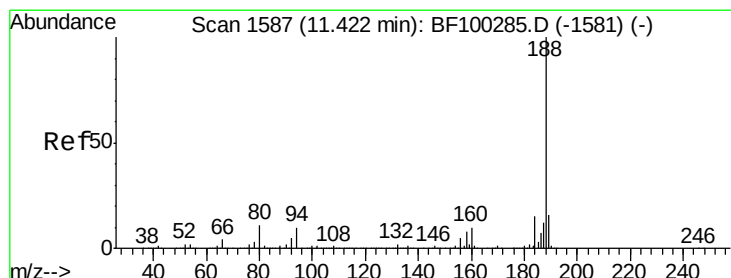
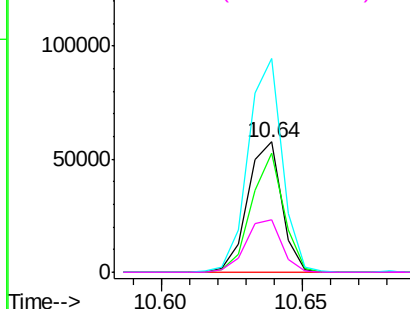
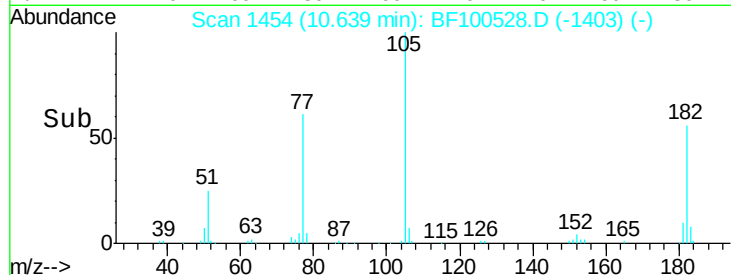
Tot Ion:	77	Resp:	48090
Ion	Ratio	Lower	Upper
77	100		
182	91.7	1.7	41.7#
105	164.3	3.0	43.0#
51	40.5	9.9	49.9

Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF100528.D

Acq: 14 Nov 2017 6:46

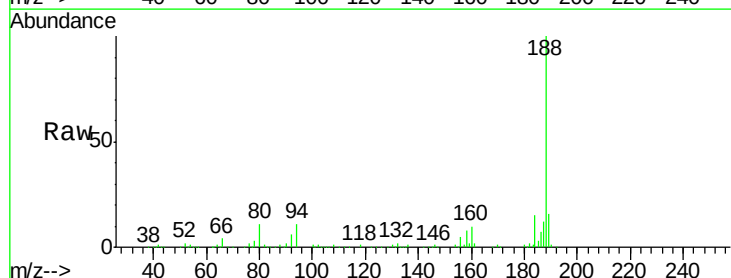
Tgt Ion: 188 Resp: 279667

Ion Ratio Lower Upper

188 100

94 10.8 8.5 12.7

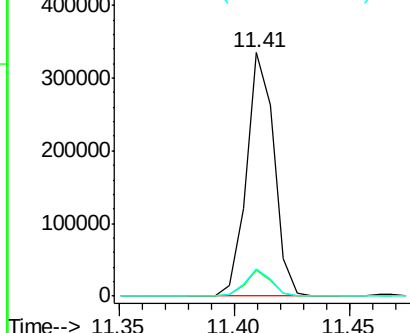
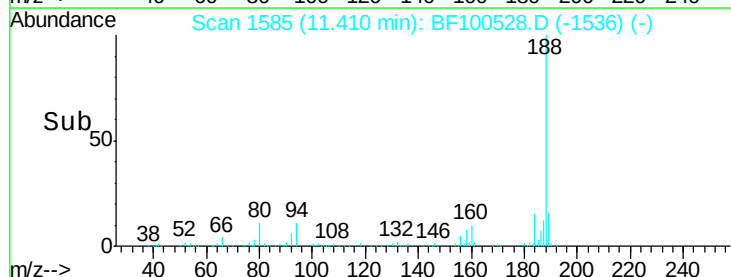
80 11.0 9.2 13.8

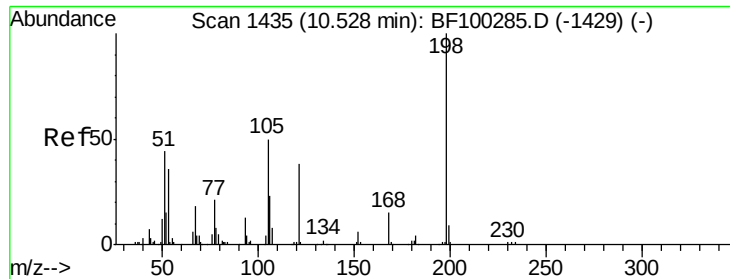


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

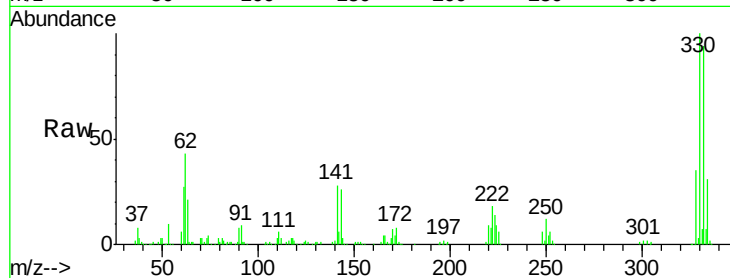




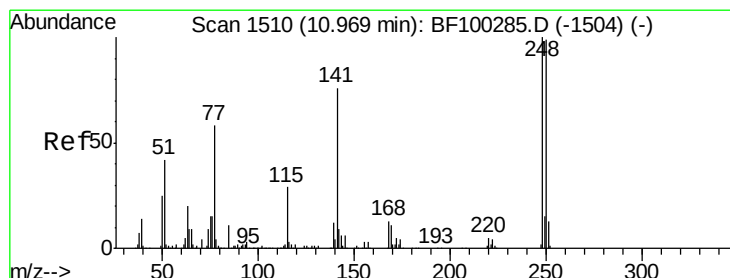
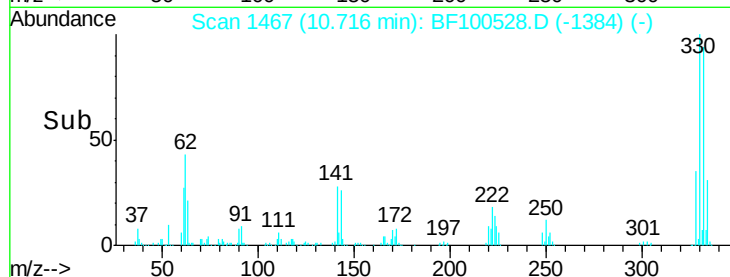
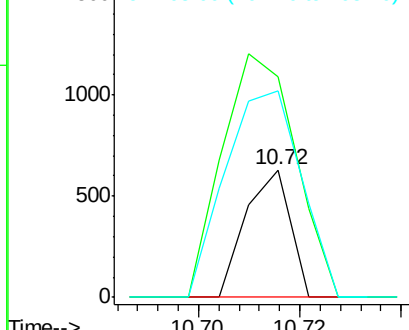
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.79 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.19 min
 Lab File: BF100528.D
 Acq: 14 Nov 2017 6:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 383
 Ion Ratio Lower Upper
 198 100
 51 173.1 37.7 77.7#
 105 162.5 36.3 76.3#

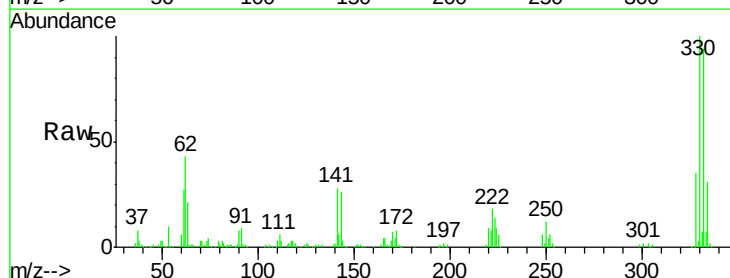


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

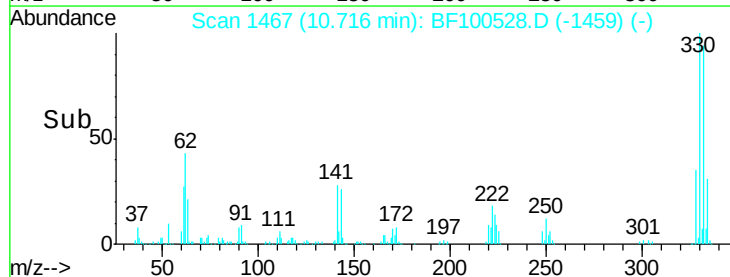
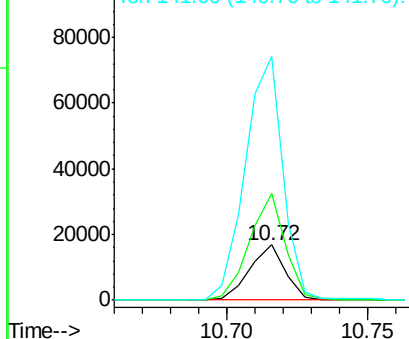


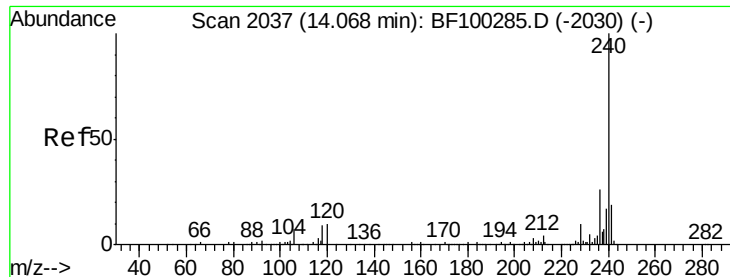
#66
 4-Bromophenyl-phenylether
 Concen: 4.89 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.25 min
 Lab File: BF100528.D
 Acq: 14 Nov 2017 6:46

Tgt Ion:248 Resp: 14666
 Ion Ratio Lower Upper
 248 100
 250 194.0 76.9 115.3#
 141 443.8 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: 20.00 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.02 min

Lab File: BF100528.D

Acq: 14 Nov 2017 6:46

Instrument :

BNA_F

ClientSampleId :

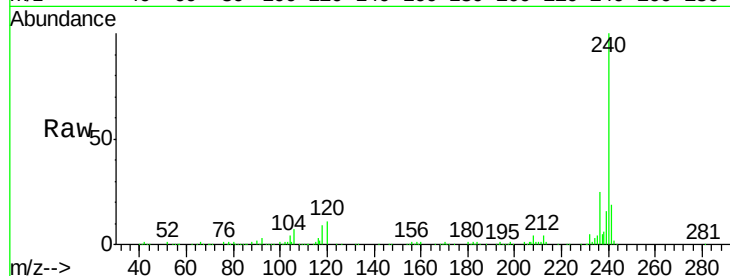
Tot Ion:240 Resp: 262405

Ion Ratio Lower Upper

240 100

120 10.5 9.5 14.3

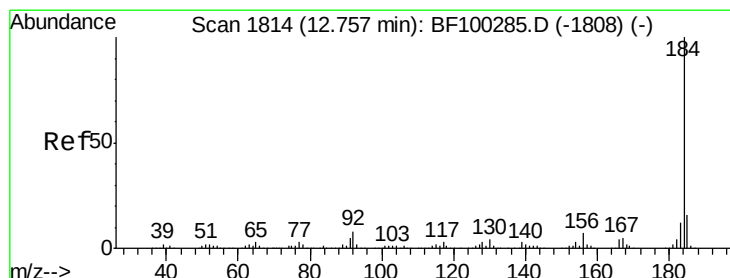
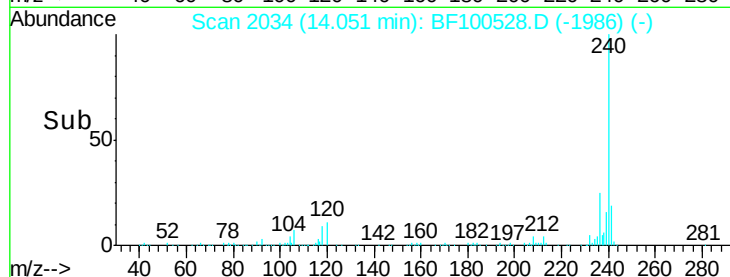
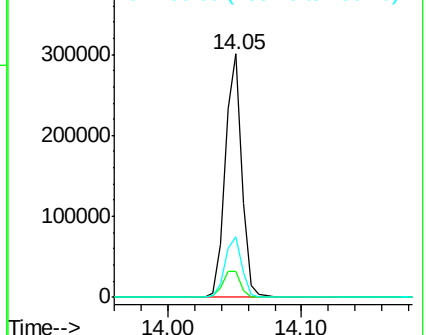
236 24.8 20.7 31.1



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



#76

Benzidine

Concen: 10.87 ng

RT: 12.75 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF100528.D

Acq: 14 Nov 2017 6:46

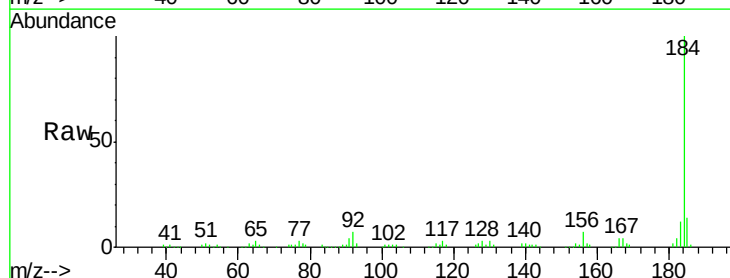
Tgt Ion:184 Resp: 114181

Ion Ratio Lower Upper

184 100

185 14.3 12.6 18.8

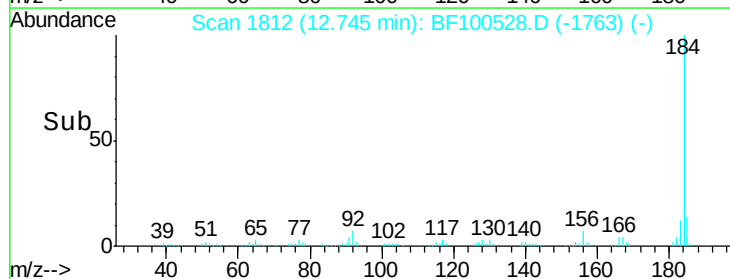
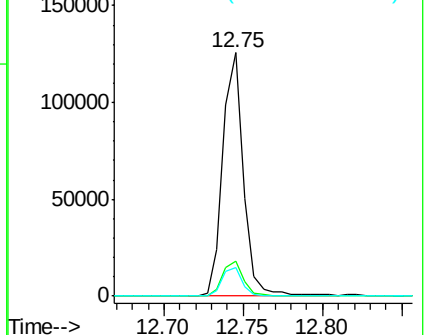
183 12.0 9.3 13.9

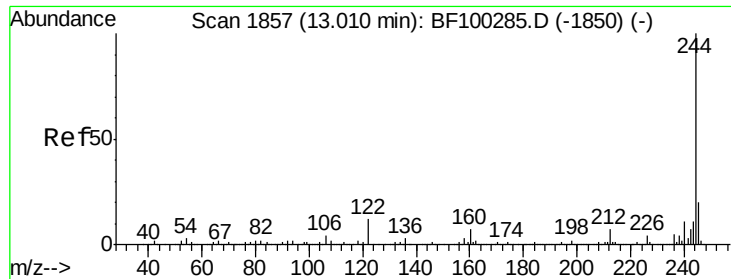


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 86.27 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF100528.D

Acq: 14 Nov 2017 6:46

Instrument :

BNA_F

ClientSampleId :

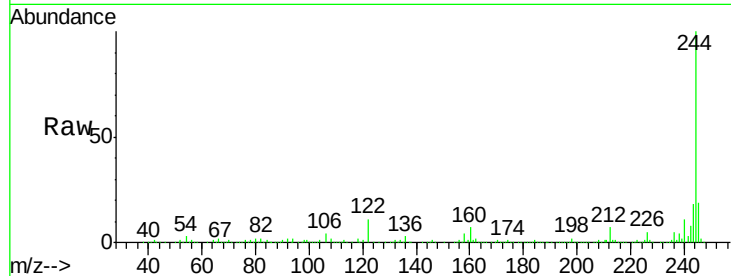
Tot Ion:244 Resp: 985178

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

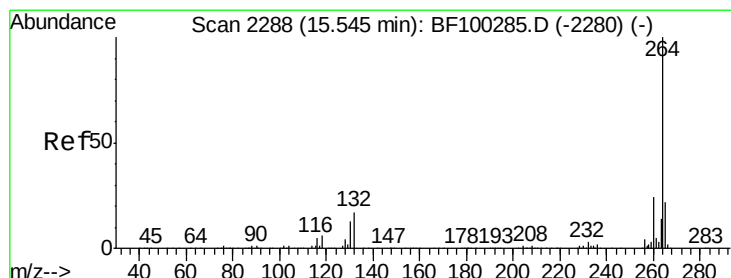
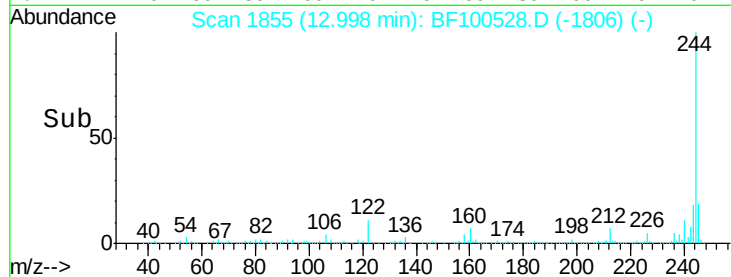
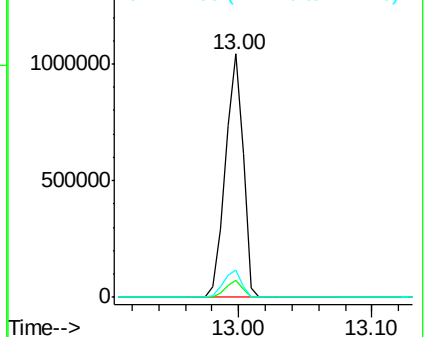
122 11.3 11.0 16.4



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: 20.00 ng

RT: 15.53 min Scan# 2285

Delta R.T. -0.02 min

Lab File: BF100528.D

Acq: 14 Nov 2017 6:46

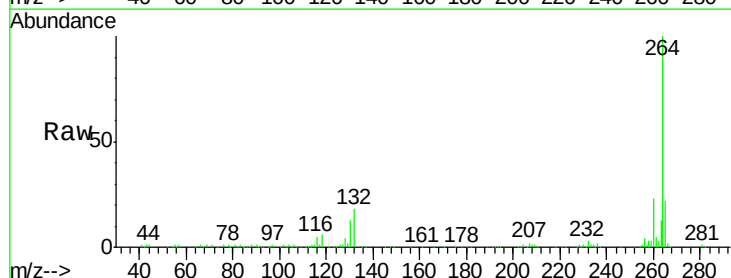
Tgt Ion:264 Resp: 187359

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.7 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

