

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111517\
 Data File : BF100589.D
 Acq On : 15 Nov 2017 15:44
 Operator : SJ/JU
 Sample : I6422-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

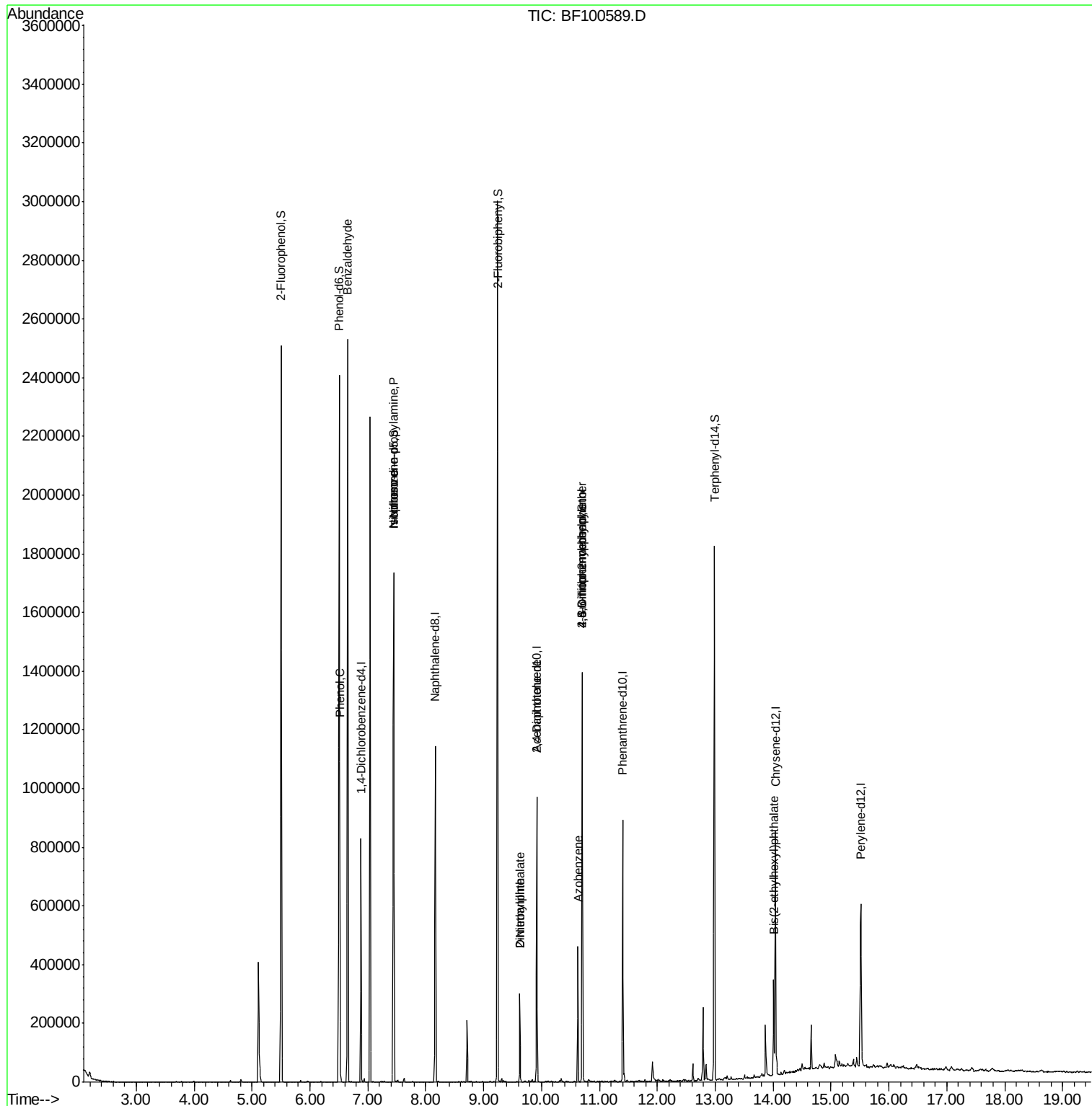
Quant Time: Nov 16 03:33:07 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 15 13:27:38 2017
 Response via : Initial Calibration

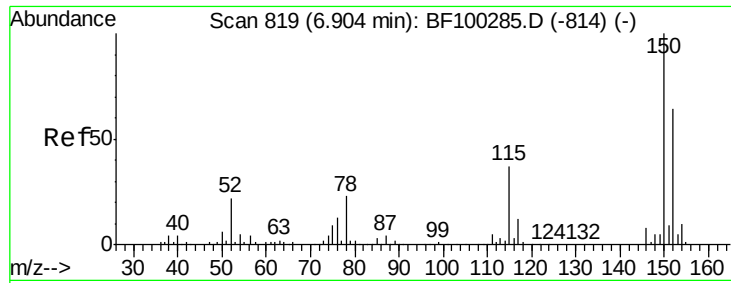
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	126107	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	478617	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	195862	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	296055	20.00	ng	0.00
75) Chrysene-d12	14.04	240	253848	20.00	ng	-0.01
86) Perylene-d12	15.52	264	258771	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	726445	92.34	ng	0.00
7) Phenol-d6	6.51	99	883766	91.10	ng	0.00
23) Nitrobenzene-d5	7.45	82	539180	74.48	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	164596	82.47	ng	-0.01
44) 2-Fluorobiphenyl	9.24	172	928740	72.20	ng	0.00
78) Terphenyl-d14	12.99	244	596288	53.97	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.65	77	15153	2.19	ng	82
10) Phenol	6.52	94	44866	4.41	ng	93
19) n-Nitroso-di-n-propylamine	7.45	70	70966	10.55	ng	# 80
25) Isophorone	7.45	82	537845	35.35	ng	# 64
47) 2-Nitroaniline	9.63	65	845	3.00	ng	# 1
49) Dimethylphthalate	9.63	163	106468	7.12	ng	100
56) 2,4-Dinitrotoluene	9.92	165	25785	6.90	ng	# 22
62) Azobenzene	10.63	77	69644	4.94	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.70	198	135	8.64	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	10021	3.16	ng	# 1
83) Bis(2-ethylhexyl)phthalate	14.01	149	83273	8.58	ng	98

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

```
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ALS Vial  : 13      Sample Multiplier: 1
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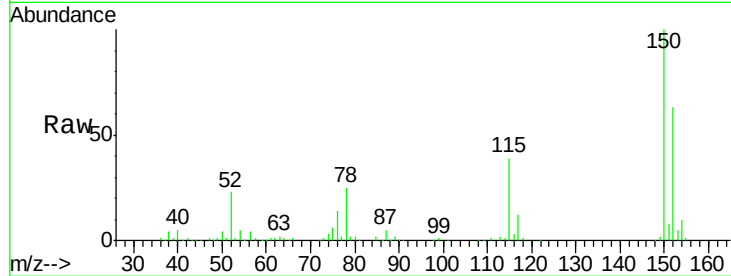


#1

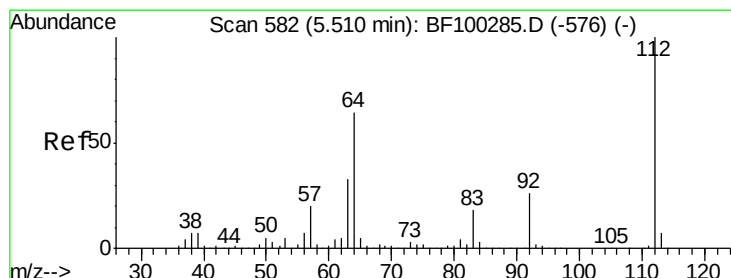
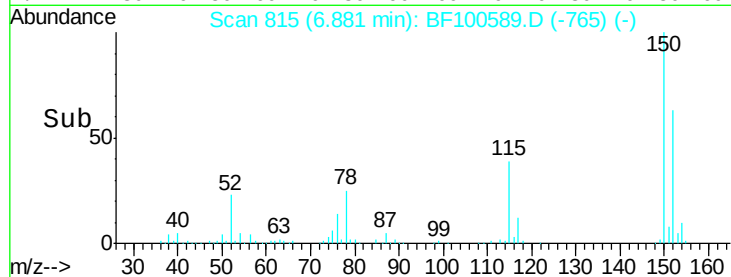
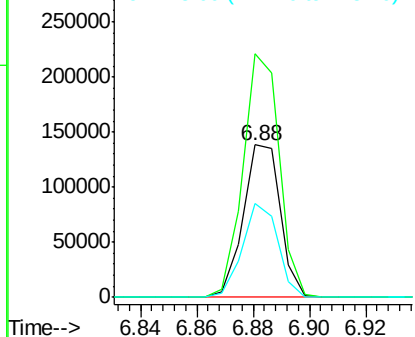
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF100589.D
Acq: 15 Nov 2017 15:44

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	124.6	186.8
115	61.5	50.1	75.1



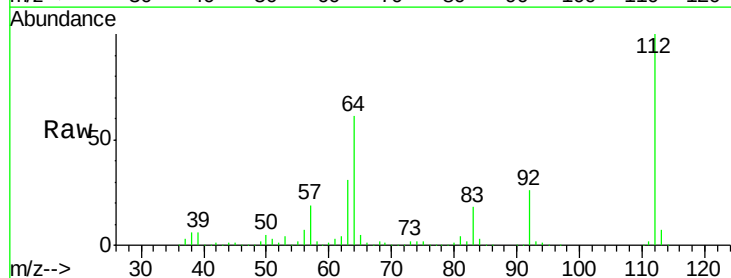
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



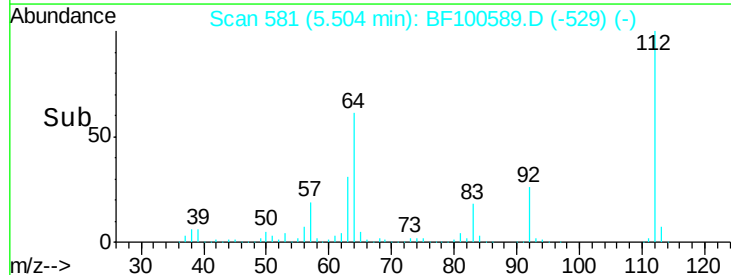
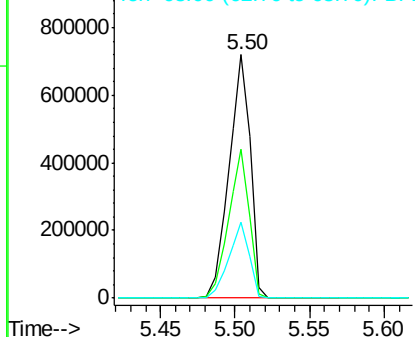
#5

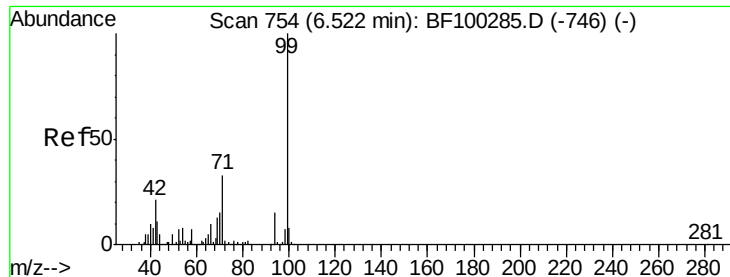
2-Fluorophenol
Concen: 92.34 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF100589.D
Acq: 15 Nov 2017 15:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.0	47.9	71.9
63	31.1	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: 91.10 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF100589.D

Acq: 15 Nov 2017 15:44

Instrument :

BNA_F

ClientSampleId :

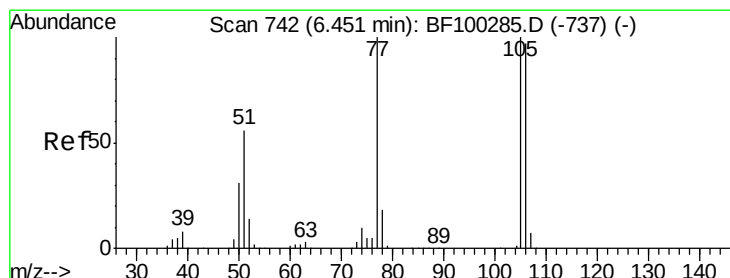
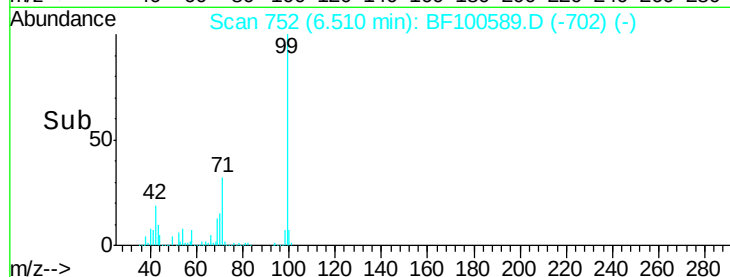
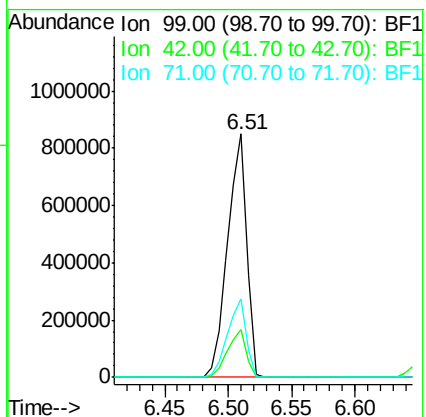
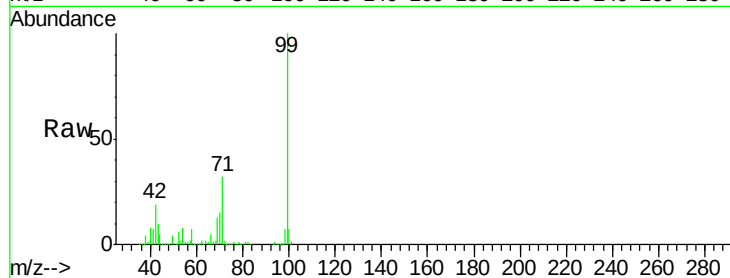
Tot Ion: 99 Resp: 883766

Ion Ratio Lower Upper

99 100

42 19.5 14.5 21.7

71 32.4 25.4 38.0



#9

Benzaldehyde

Concen: 2.19 ng

RT: 6.65 min Scan# 776

Delta R.T. 0.21 min

Lab File: BF100589.D

Acq: 15 Nov 2017 15:44

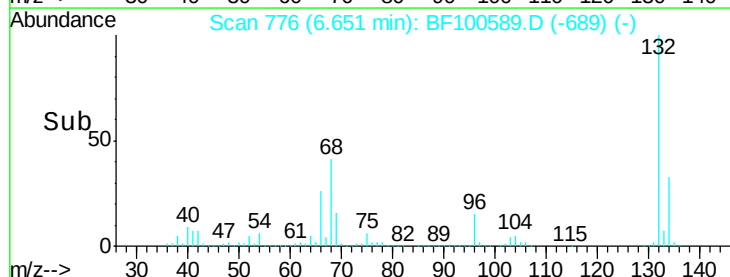
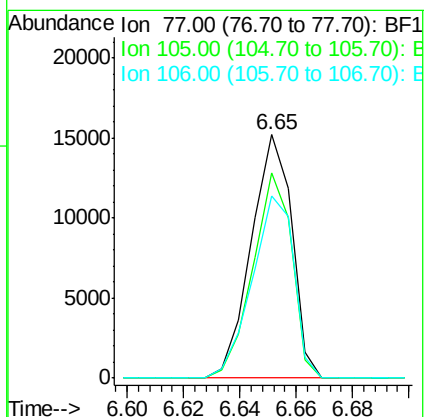
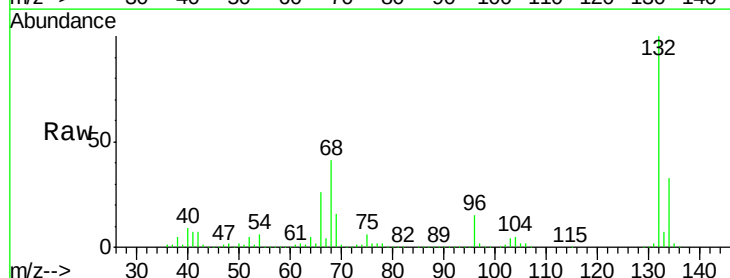
Tgt Ion: 77 Resp: 15153

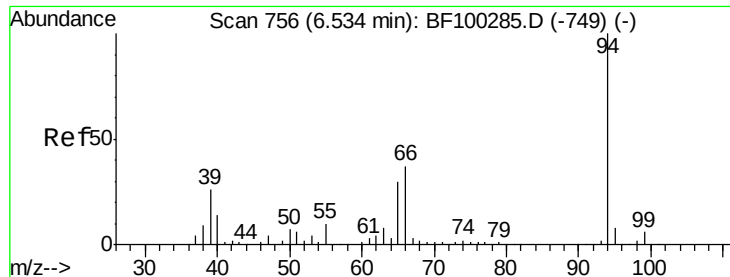
Ion Ratio Lower Upper

77 100

105 84.3 81.1 121.1

106 74.9 74.5 114.5

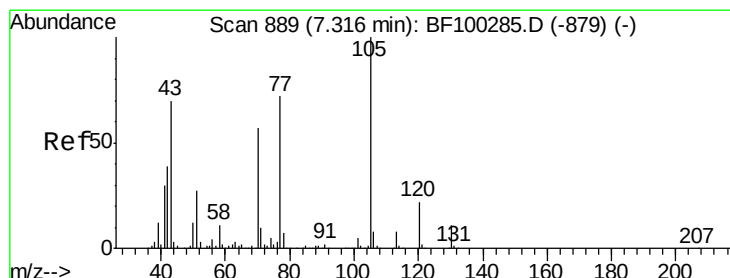
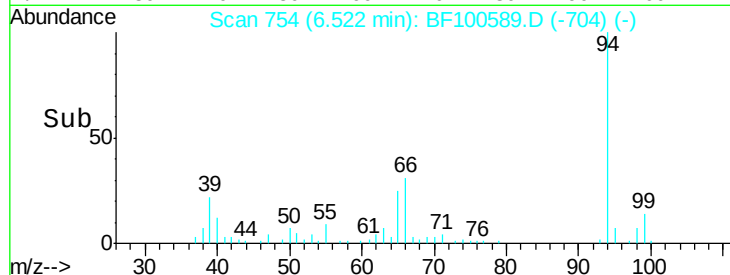
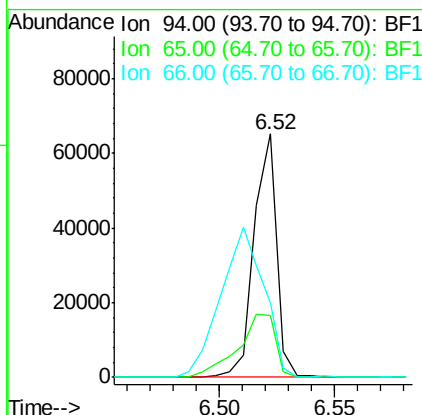
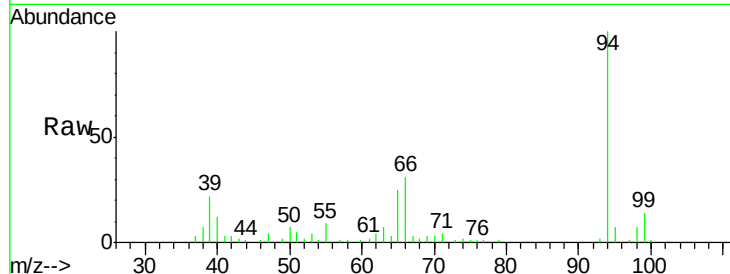




#10
Phenol
Concen: 4.41 ng
RT: 6.52 min Scan# 754
Delta R.T. -0.01 min
Lab File: BF100589.D
Acq: 15 Nov 2017 15:44

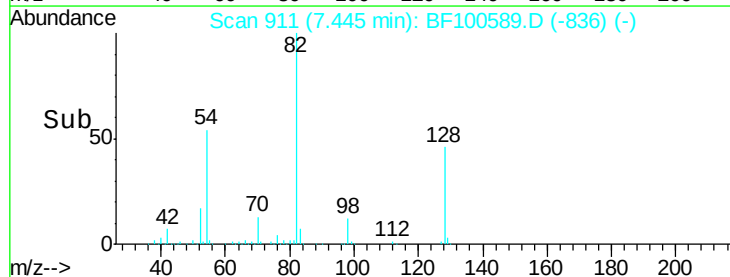
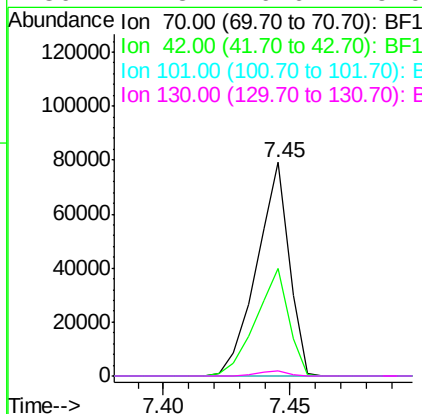
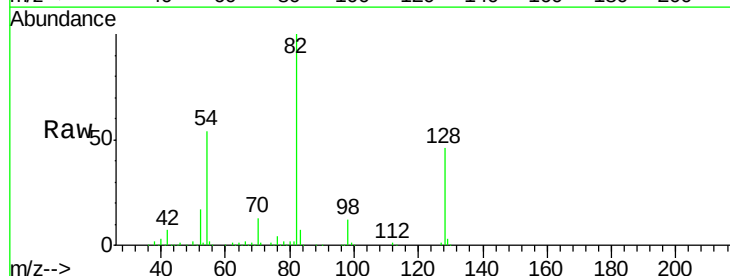
Instrument :
BNA_F
ClientSampled :

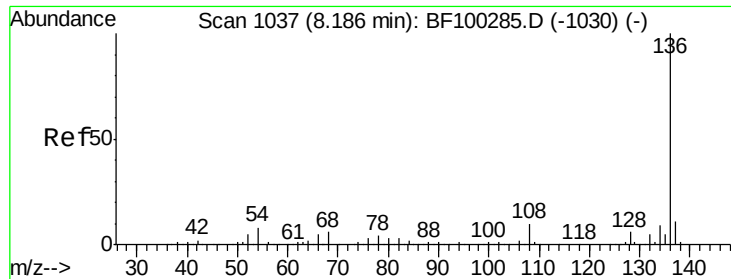
Tot Ion: 94 Resp: 44866
Ion Ratio Lower Upper
94 100
65 25.2 7.9 47.9
66 30.9 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.55 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.14 min
Lab File: BF100589.D
Acq: 15 Nov 2017 15:44

Tgt Ion: 70 Resp: 70966
Ion Ratio Lower Upper
70 100
42 50.6 47.5 71.3
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#

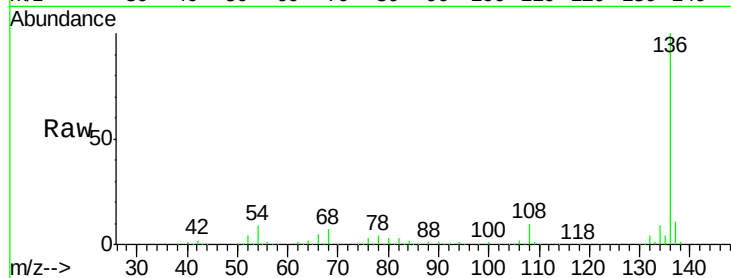




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF100589.D
Acq: 15 Nov 2017 15:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	478617
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.9 13.3
54	8.7	6.6 9.8
68	6.5	5.0 7.4

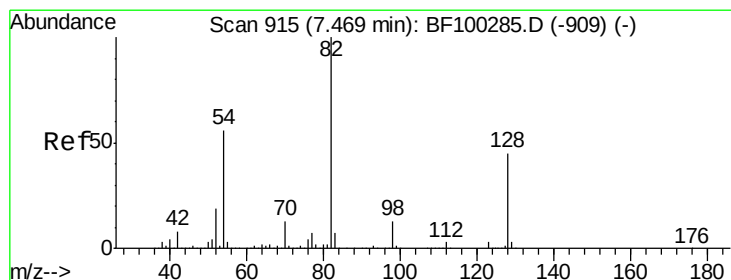
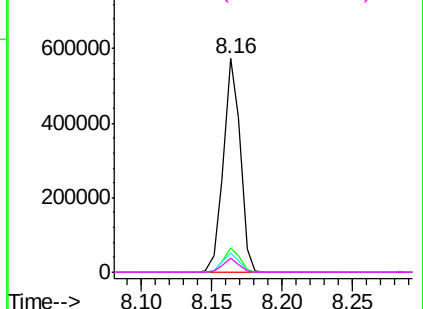
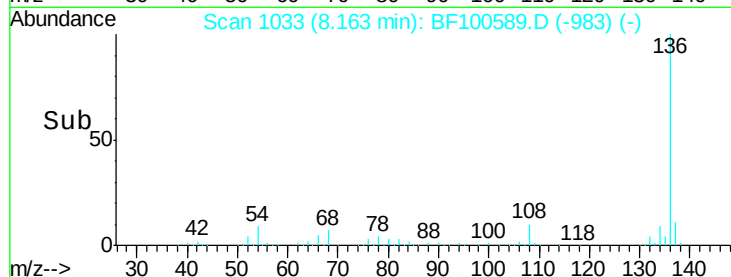


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

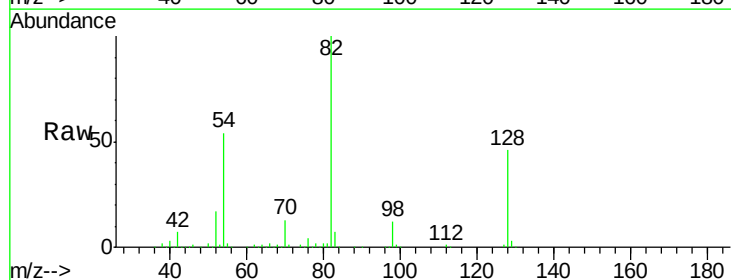
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23
Nitrobenzene-d5
Concen: 74.48 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF100589.D
Acq: 15 Nov 2017 15:44

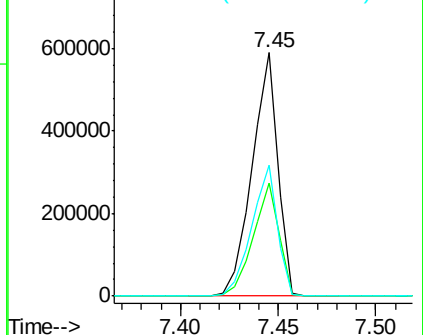
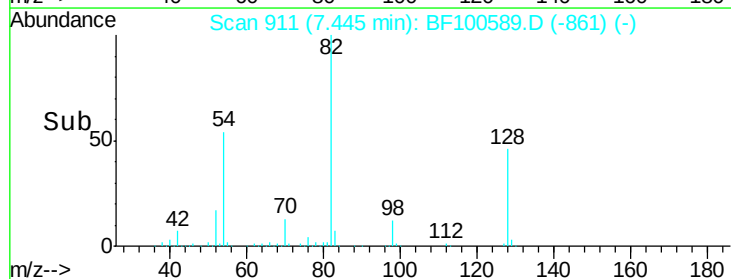
Tgt Ion: 82	Resp:	539180
Ion Ratio	Lower	Upper
82	100	
128	46.4	36.1 54.1
54	54.0	41.4 62.2

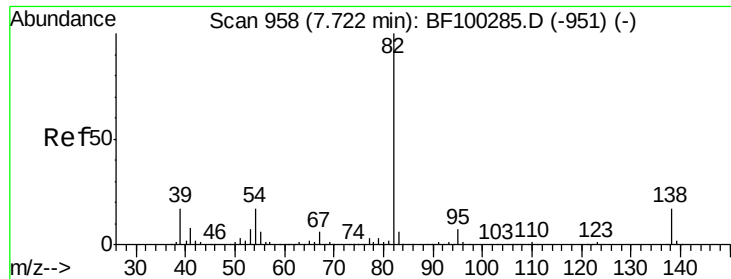


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

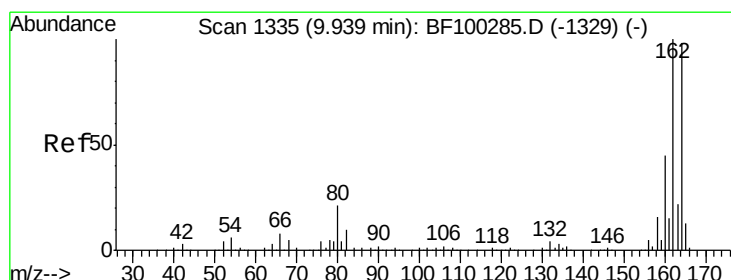
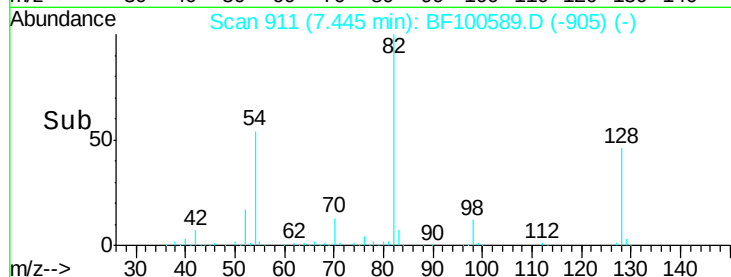
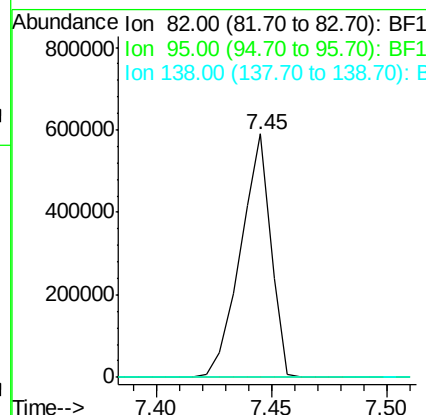
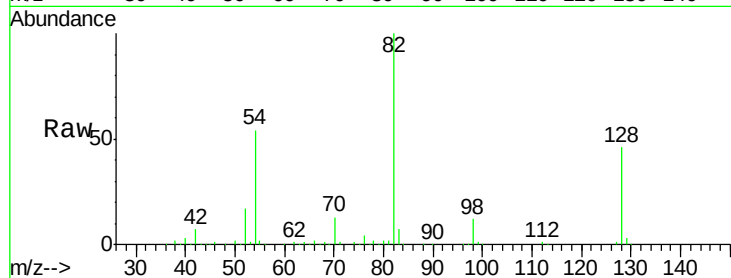




#25
Isophorone
Concen: 35.35 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.26 min
Lab File: BF100589.D
Acq: 15 Nov 2017 15:44

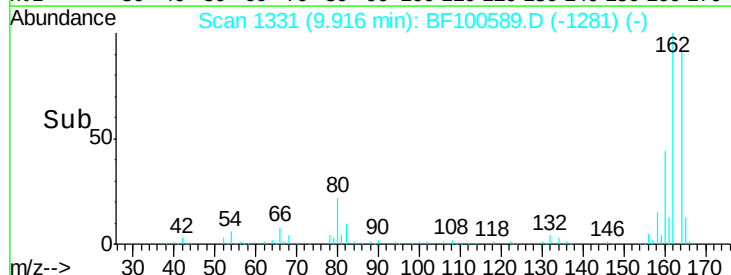
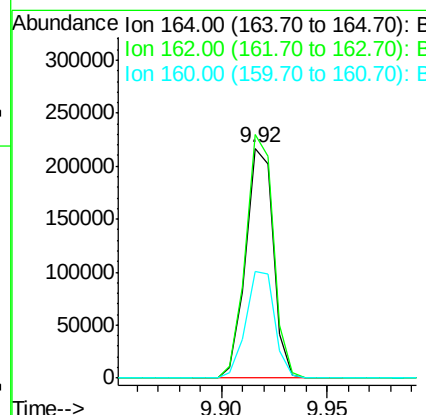
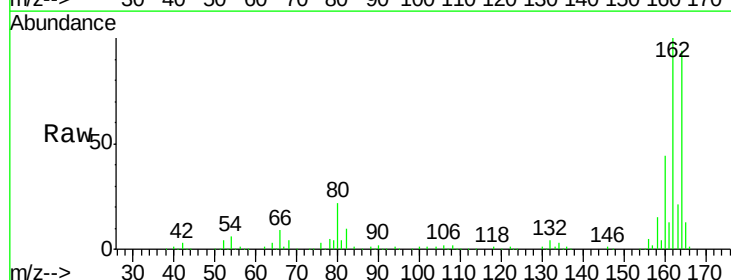
Instrument :
BNA_F
ClientSampleId :

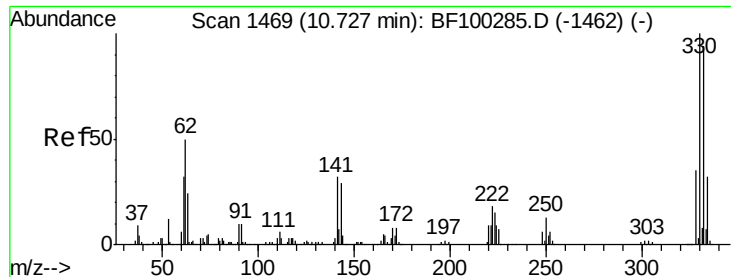
Tot Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF100589.D
Acq: 15 Nov 2017 15:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.1	86.1	129.1
160	46.3	38.3	57.5

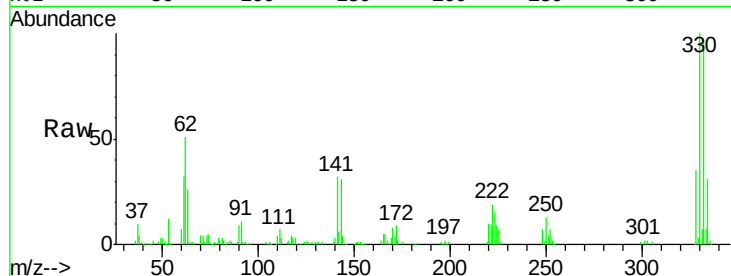




#41
 2,4,6-Tribromophenol
 Concen: 82.47 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100589.D
 Acq: 15 Nov 2017 15:44

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	29.6	29.9	44.9#

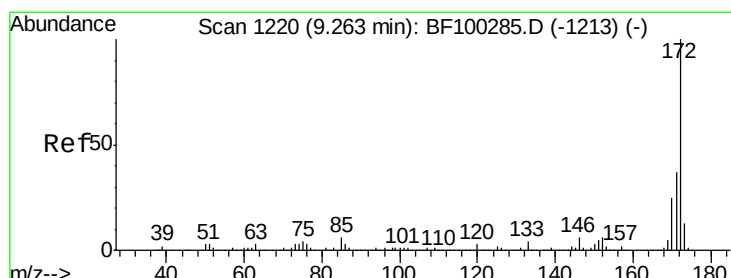
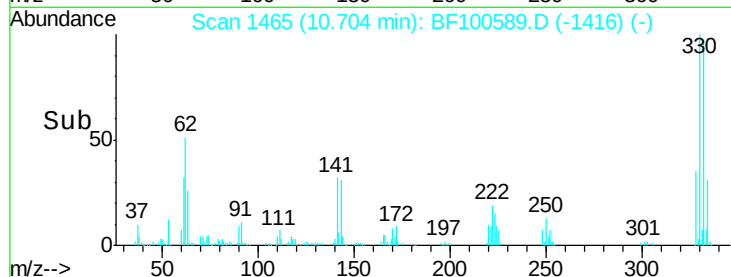
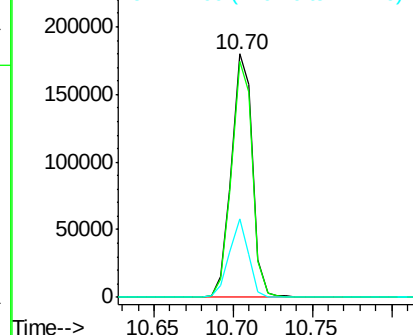


Abundance

Ion 329.80 (329.50 to 330.50): E

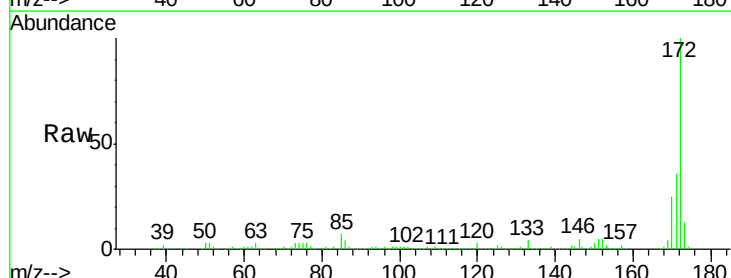
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 72.20 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF100589.D
 Acq: 15 Nov 2017 15:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.6	19.6	29.4

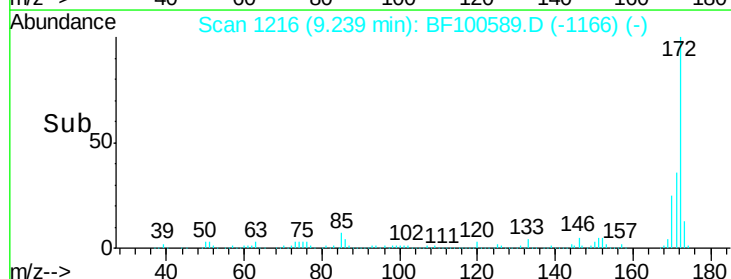
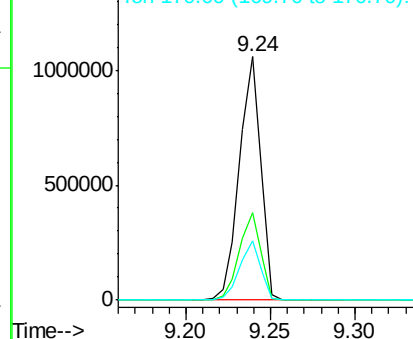


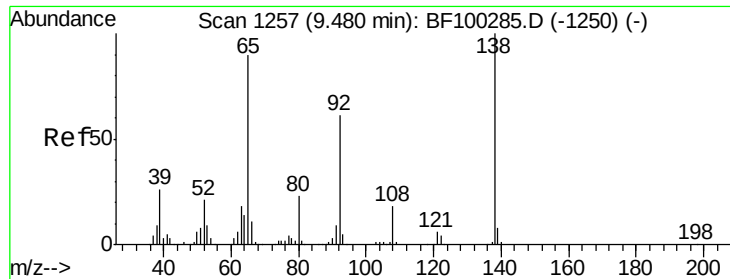
Abundance

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

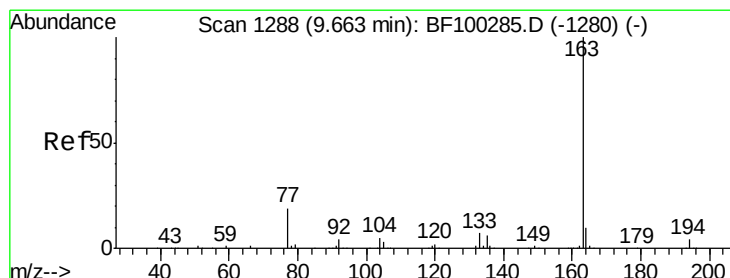
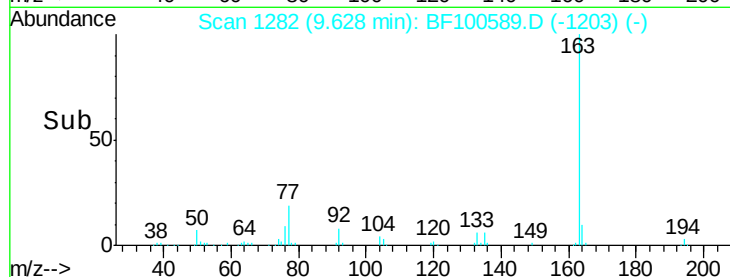
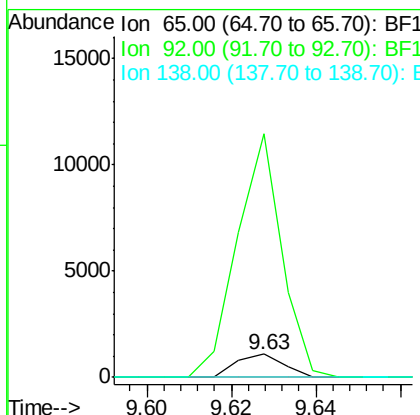
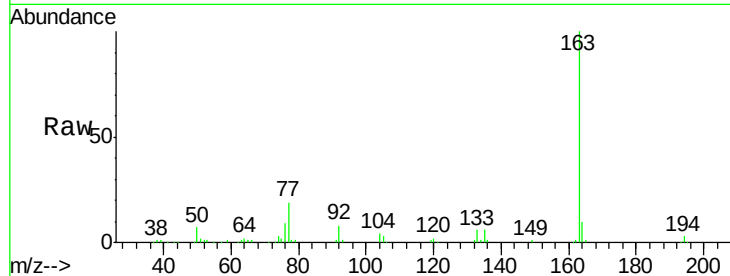




#47
2-Nitroaniline
Concen: 3.00 ng
RT: 9.63 min Scan# 1282
Delta R.T. 0.16 min
Lab File: BF100589.D
Acq: 15 Nov 2017 15:44

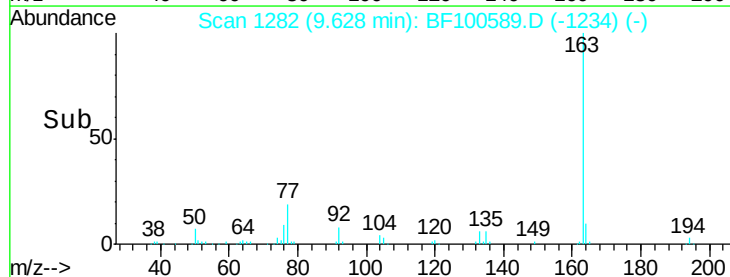
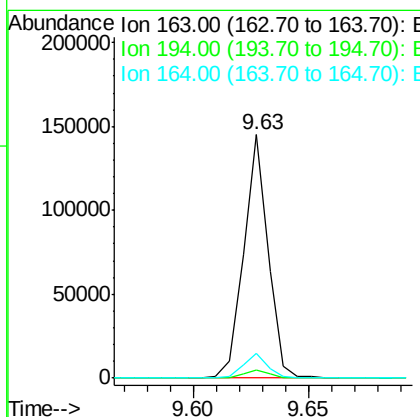
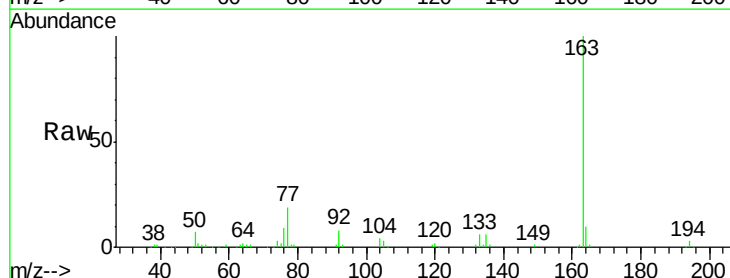
Instrument :
BNA_F
ClientSampleId :

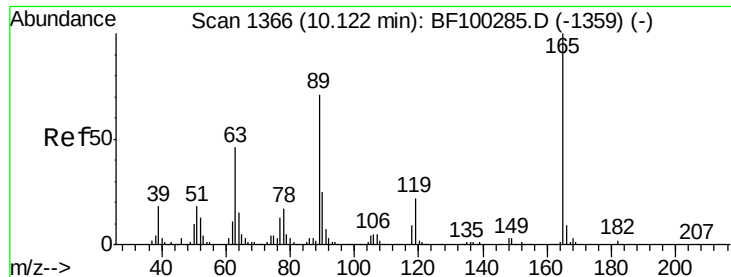
Tot Ion: 65 Resp: 845
Ion Ratio Lower Upper
65 100
92 1053.8 55.8 83.6#
138 0.0 91.2 136.8#



#49
Dimethylphthalate
Concen: 7.12 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF100589.D
Acq: 15 Nov 2017 15:44

Tgt Ion:163 Resp: 106468
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.4 8.2 12.2

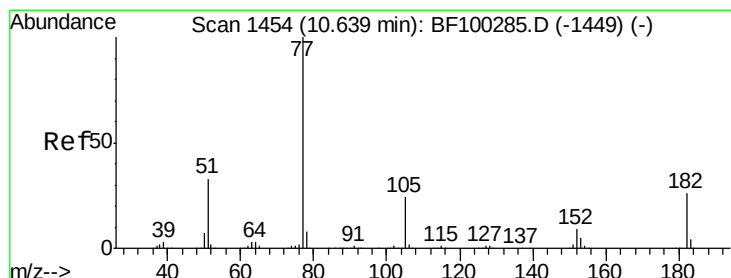
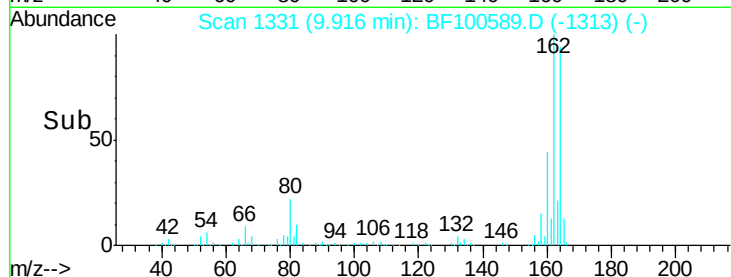
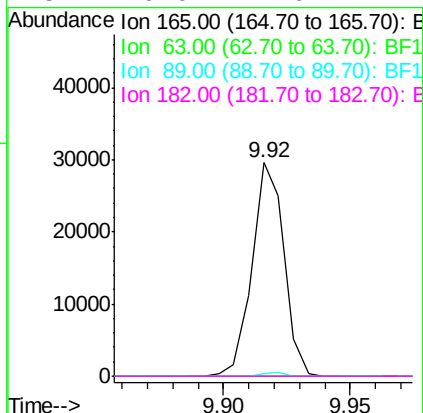
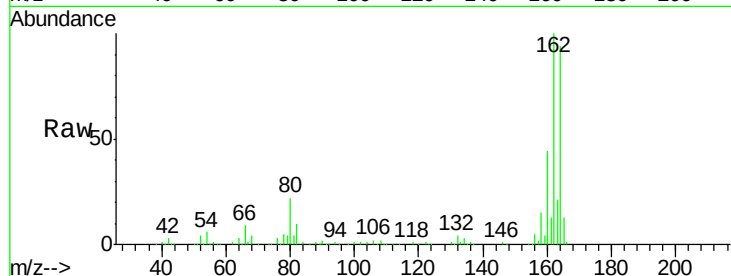




#56
 2,4-Dinitrotoluene
 Concen: 6.90 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF100589.D
 Acq: 15 Nov 2017 15:44

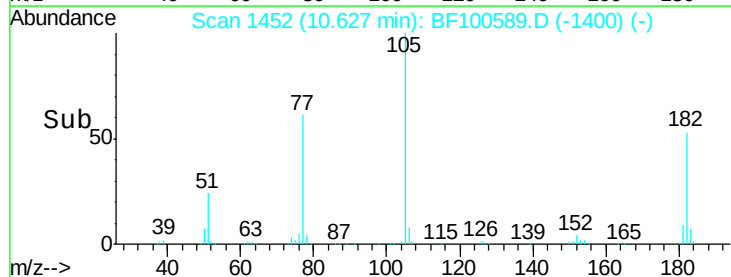
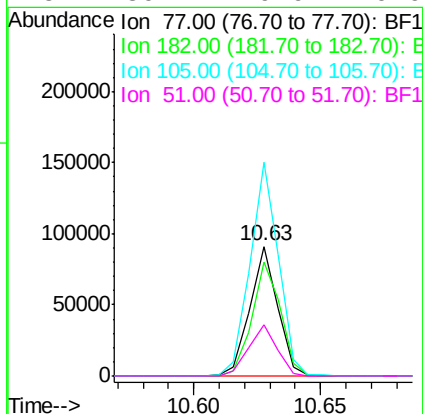
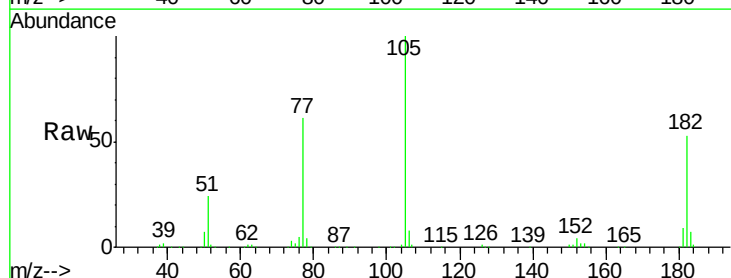
Instrument :
 BNA_F
 ClientSampleId :

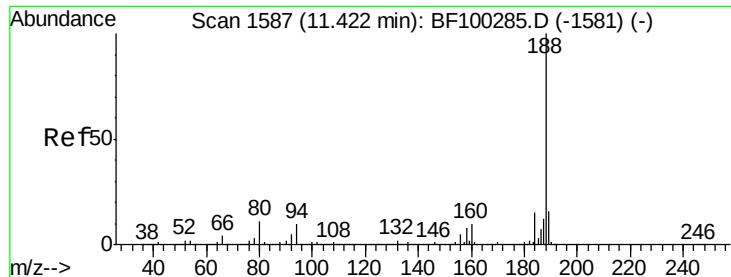
Tot Ion:	165	Resp:	25785
Ion Ratio	Lower	Upper	
165	100		
63	0.0	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#



#62
 Azobenzene
 Concen: 4.94 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.01 min
 Lab File: BF100589.D
 Acq: 15 Nov 2017 15:44

Tgt Ion:	77	Resp:	69644
Ion Ratio	Lower	Upper	
77	100		
182	87.7	1.7	41.7#
105	164.7	3.0	43.0#
51	39.7	9.9	49.9

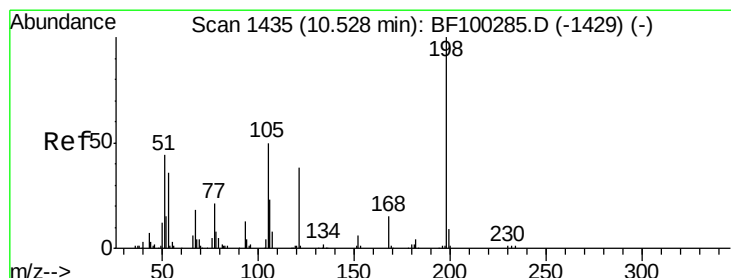
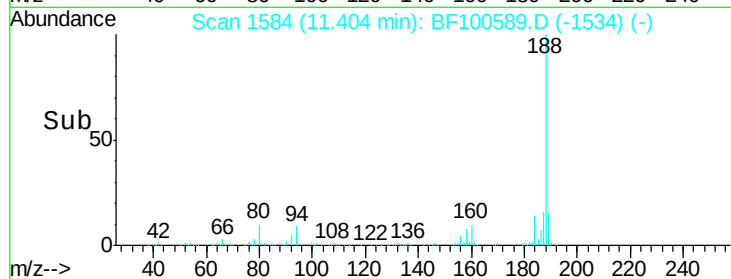
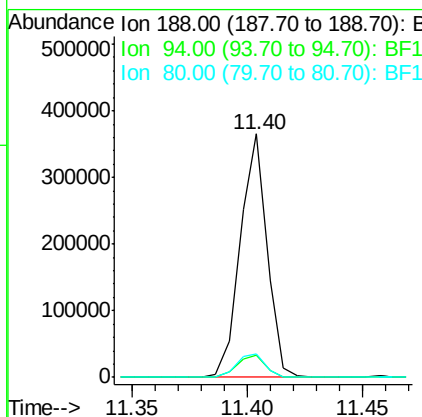
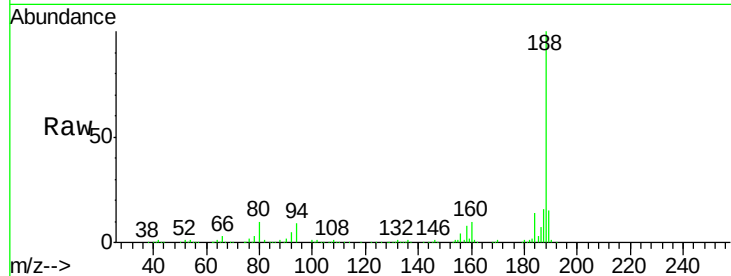




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF100589.D
Acq: 15 Nov 2017 15:44

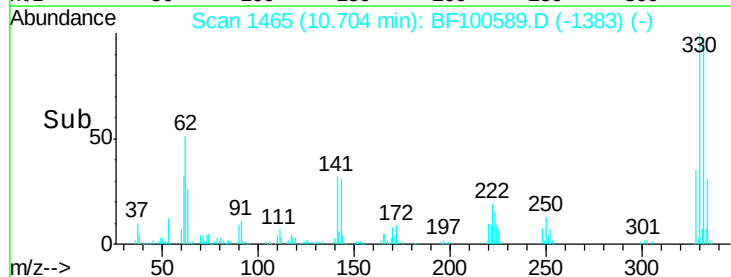
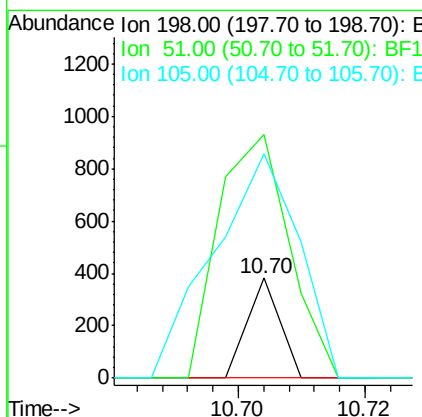
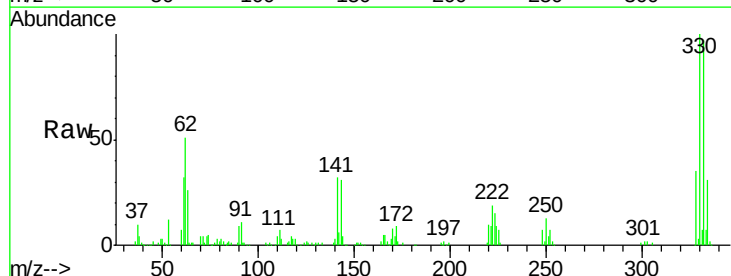
Instrument :
BNA_F
ClientSampled :

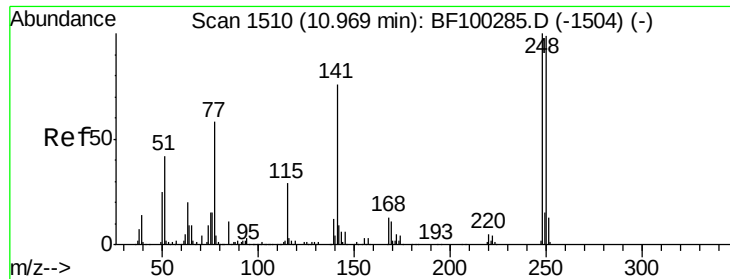
Tot Ion:188 Resp: 296055
Ion Ratio Lower Upper
188 100
94 9.3 8.5 12.7
80 9.9 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.64 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.18 min
Lab File: BF100589.D
Acq: 15 Nov 2017 15:44

Tgt Ion:198 Resp: 135
Ion Ratio Lower Upper
198 100
51 243.5 37.7 77.7#
105 224.9 36.3 76.3#

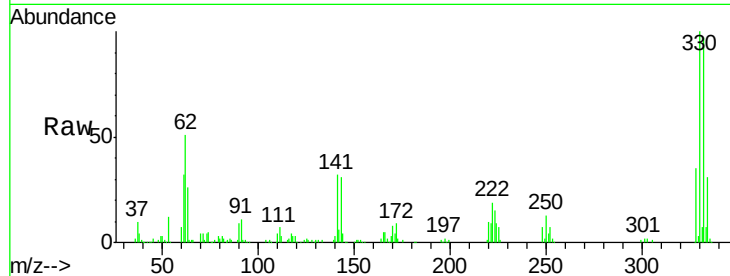




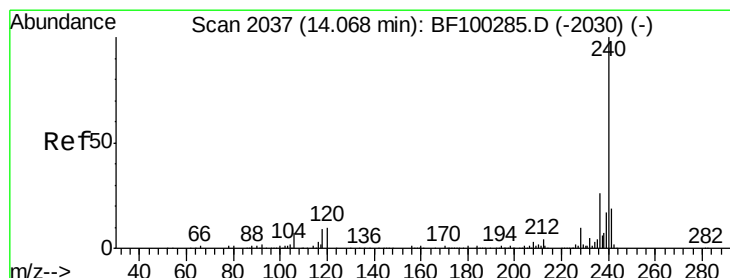
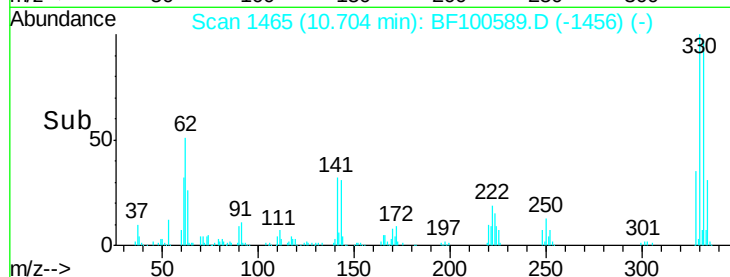
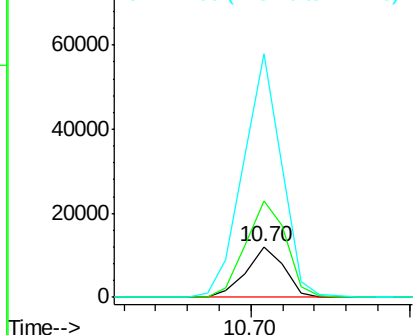
#66
4-Bromophenyl-phenylether
Concen: 3.16 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF100589.D
Acq: 15 Nov 2017 15:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10021
Ion Ratio Lower Upper
248 100
250 190.8 76.9 115.3#
141 480.5 74.4 111.6#

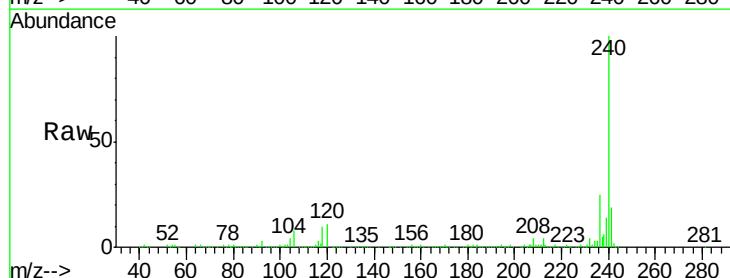


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

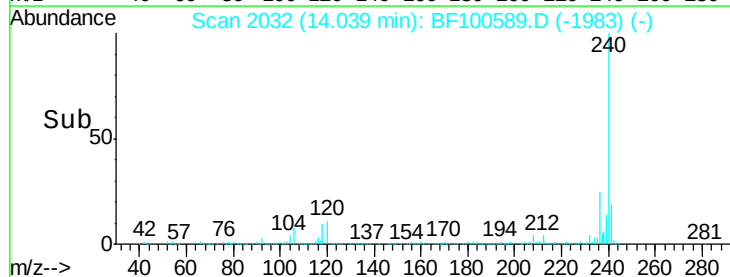
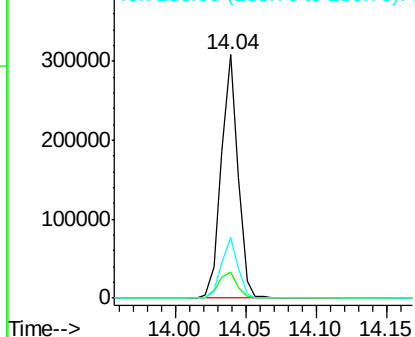


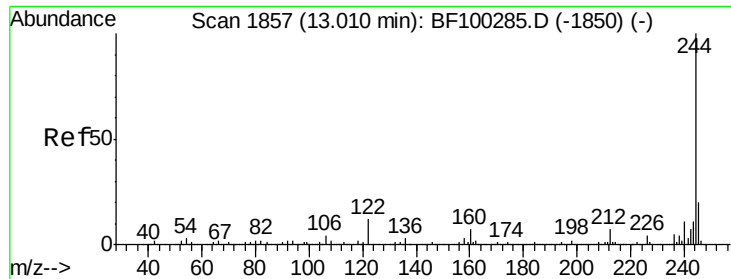
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF100589.D
Acq: 15 Nov 2017 15:44

Tgt Ion:240 Resp: 253848
Ion Ratio Lower Upper
240 100
120 10.9 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: 53.97 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF100589.D

Acq: 15 Nov 2017 15:44

Instrument :

BNA_F

ClientSampleId :

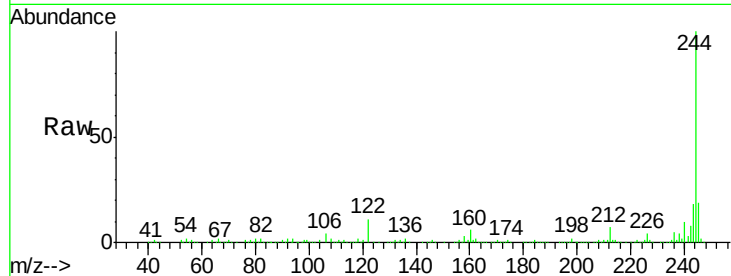
Tot Ion:244 Resp: 596288

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

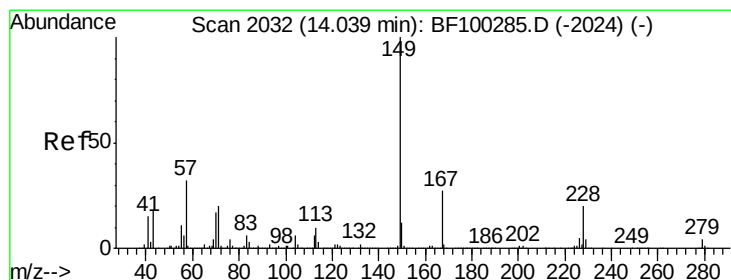
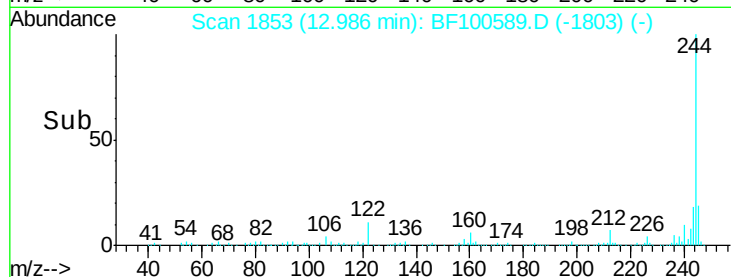
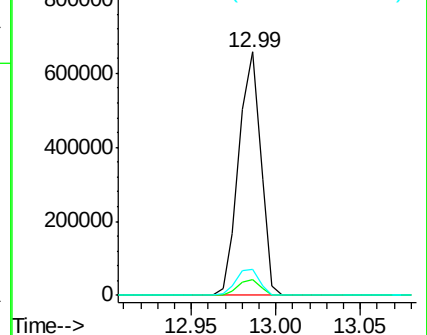
122 10.9 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 8.58 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF100589.D

Acq: 15 Nov 2017 15:44

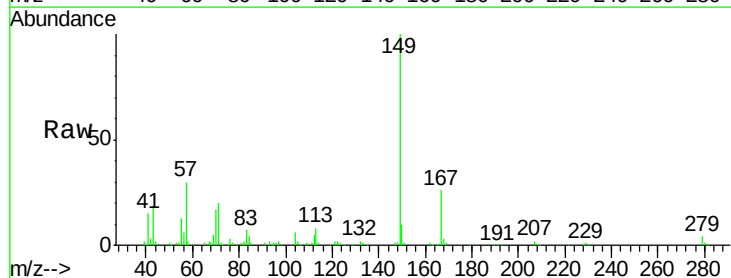
Tgt Ion:149 Resp: 83273

Ion Ratio Lower Upper

149 100

167 25.6 21.3 31.9

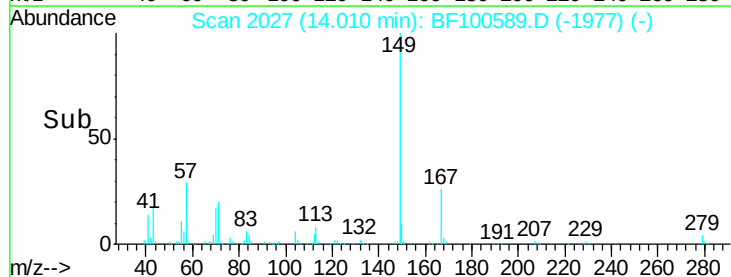
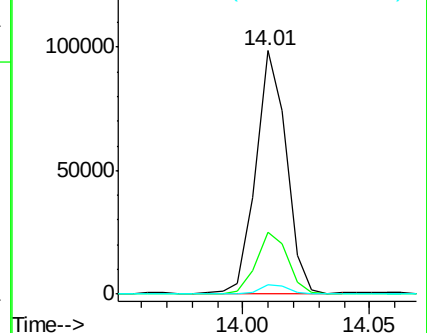
279 3.9 3.0 4.4

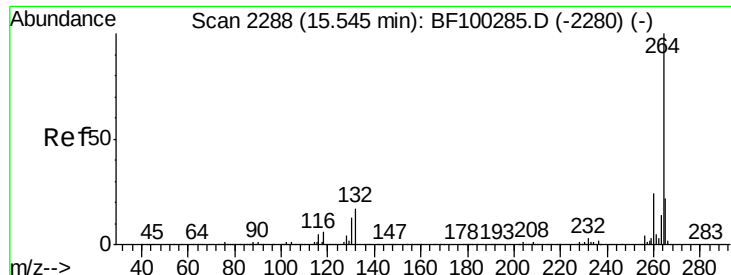


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

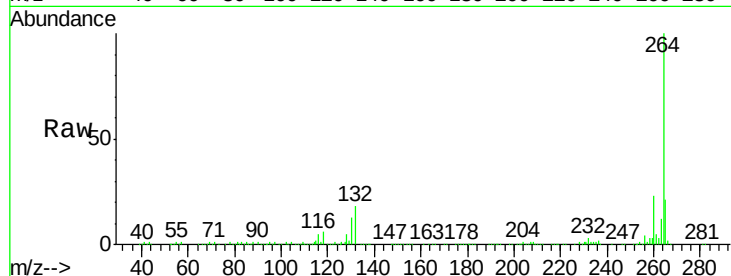




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.01 min
Lab File: BF100589.D
Acq: 15 Nov 2017 15:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.1	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

