

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110917\
 Data File : BF100335.D
 Acq On : 9 Nov 2017 12:08
 Operator : SJ/JU
 Sample : I6354-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 09 16:05:38 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 09 16:04:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	183322	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	685505	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	273876	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	433537	20.00	ng	0.00
75) Chrysene-d12	14.06	240	410889	20.00	ng	0.00
86) Perylene-d12	15.54	264	331587	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	1074787	93.98	ng	0.01
7) Phenol-d6	6.52	99	1297627	92.01	ng	0.00
23) Nitrobenzene-d5	7.46	82	817056	78.80	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	241364	86.49	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1353838	75.27	ng	0.00
78) Terphenyl-d14	13.01	244	965136	53.97	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.67	77	23666	2.350	ng	83
10) Phenol	6.53	94	34410	2.324	ng	99
19) n-Nitroso-di-n-propylamine	7.46	70	110742	11.323	ng	# 83
25) Isophorone	7.46	82	816735	37.484	ng	# 64
32) Benzoic acid	7.85	122	321	9.405	ng	89
47) 2-Nitroaniline	9.49	65	107	2.804	ng	# 2
49) Dimethylphthalate	9.65	163	42223	2.019	ng	98
50) 2,6-Dinitrotoluene	9.93	165	34935	8.440	ng	# 25
56) 2,4-Dinitrotoluene	9.93	165	34935	6.690	ng	# 23
62) Azobenzene	10.64	77	68862	3.494	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.72	198	546	8.775	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	15106	3.250	ng	# 1

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

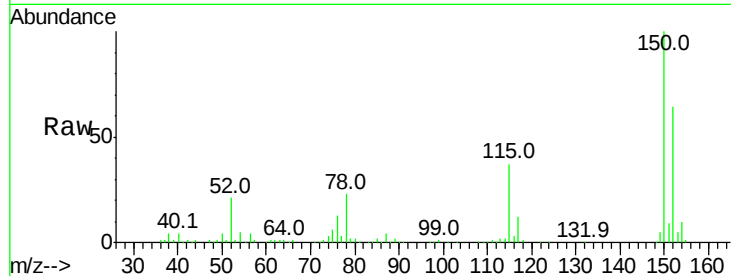


#1

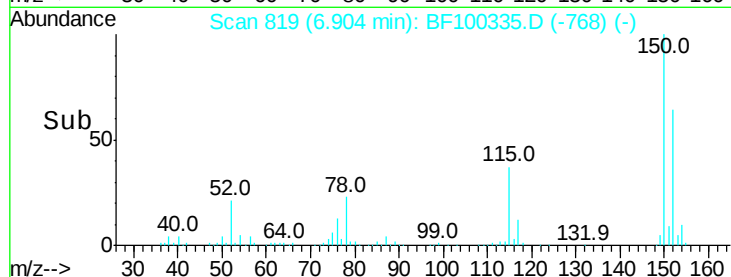
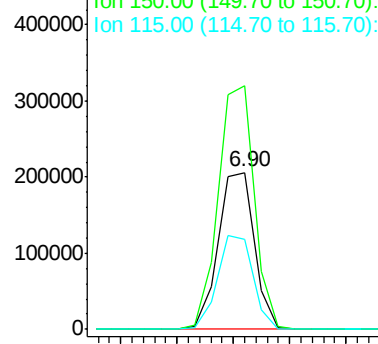
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF100335.D
Acq: 9 Nov 2017 12:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 183322
Ion Ratio Lower Upper
152 100
150 155.1 124.6 186.8
115 57.0 50.1 75.1



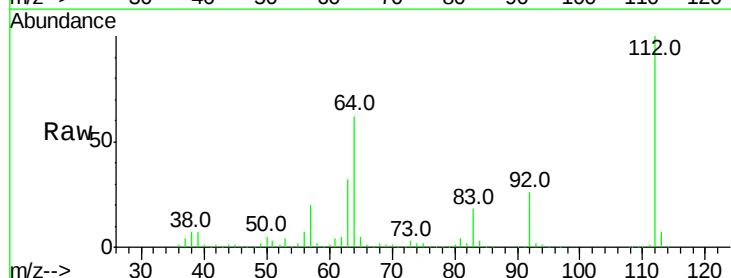
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



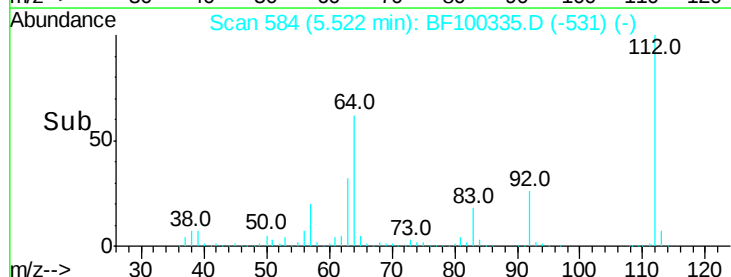
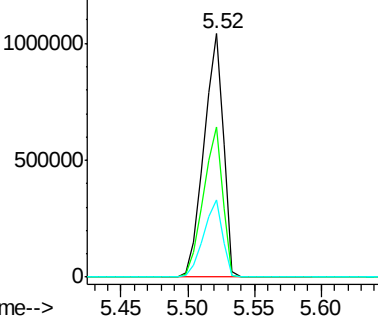
#5

2-Fluorophenol
Concen: 93.981 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF100335.D
Acq: 9 Nov 2017 12:08

Tgt Ion:112 Resp: 1074787
Ion Ratio Lower Upper
112 100
64 61.9 47.9 71.9
63 31.7 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 92.014 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF100335.D

Acq: 9 Nov 2017 12:08

Instrument :

BNA_F

ClientSampled :

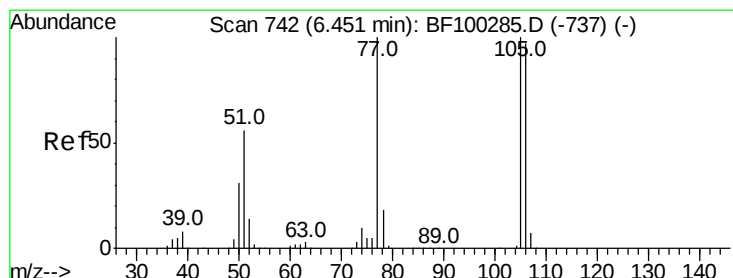
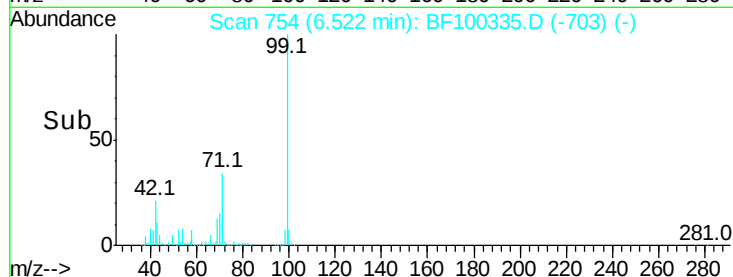
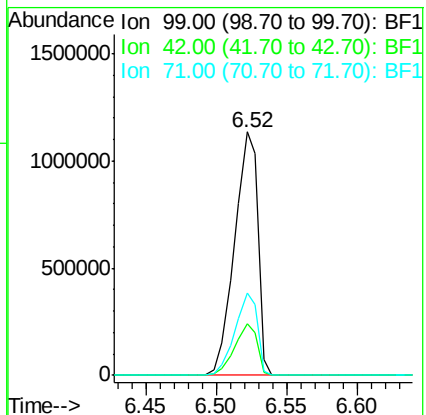
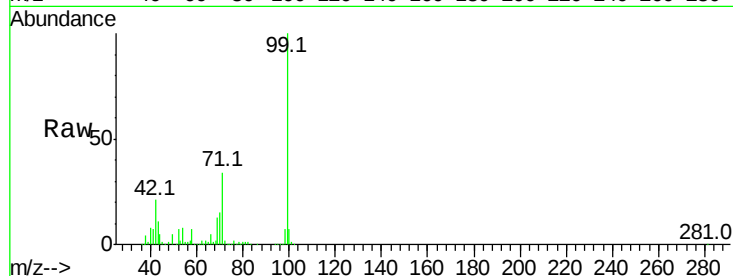
Tot Ion: 99 Resp: 1297627

Ion Ratio Lower Upper

99 100

42 21.0 14.5 21.7

71 33.6 25.4 38.0



#9

Benzaldehyde

Concen: 2.350 ng

RT: 6.67 min Scan# 779

Delta R.T. 0.21 min

Lab File: BF100335.D

Acq: 9 Nov 2017 12:08

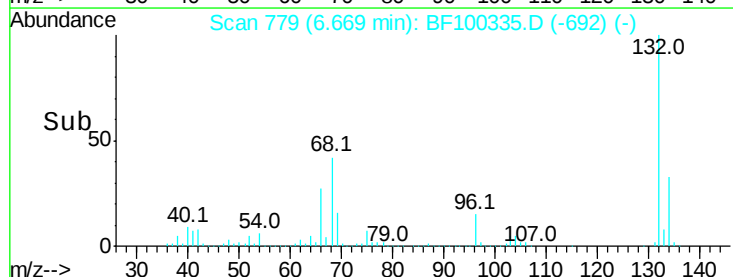
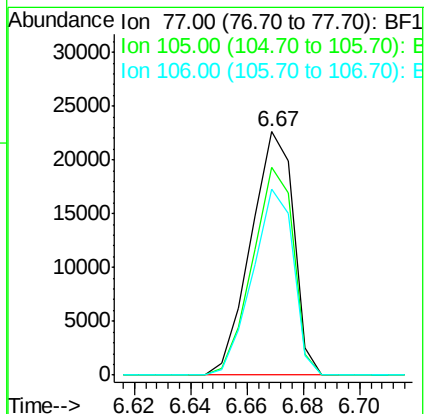
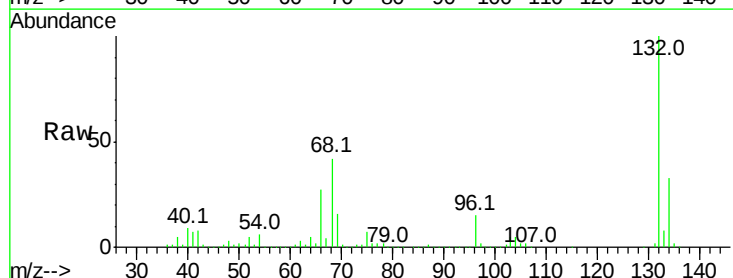
Tgt Ion: 77 Resp: 23666

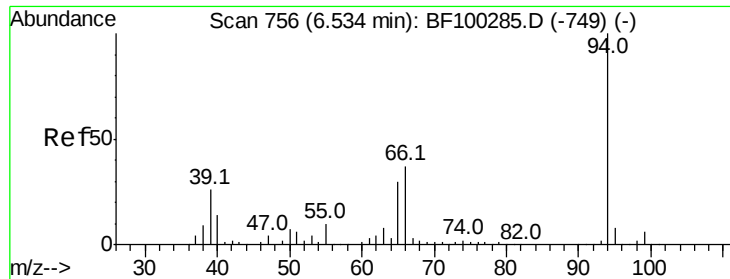
Ion Ratio Lower Upper

77 100

105 85.3 81.1 121.1

106 76.5 74.5 114.5





#10

Phenol

Concen: 2.324 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF100335.D

Acq: 9 Nov 2017 12:08

Instrument :

BNA_F

ClientSampled :

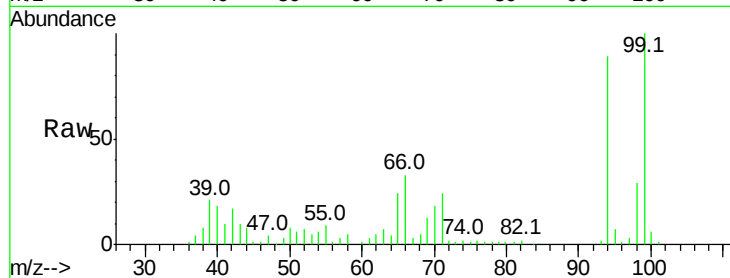
Tot Ion: 94 Resp: 34410

Ion Ratio Lower Upper

94 100

65 27.1 7.9 47.9

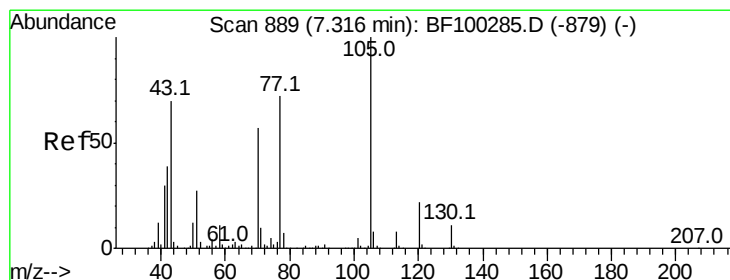
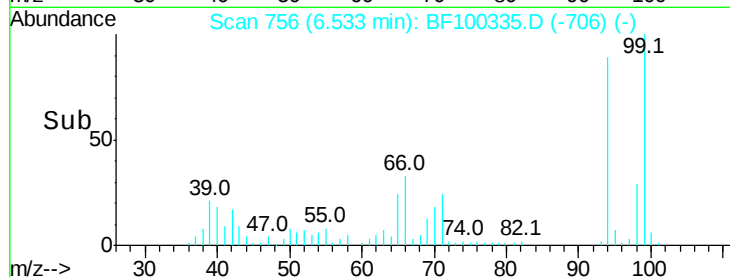
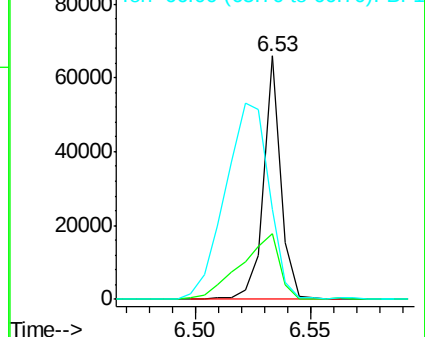
66 36.8 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.323 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.15 min

Lab File: BF100335.D

Acq: 9 Nov 2017 12:08

Tgt Ion: 70 Resp: 110742

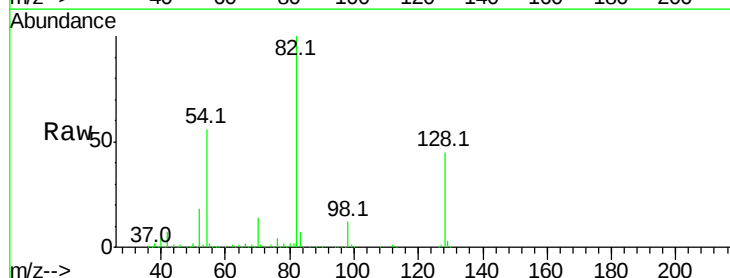
Ion Ratio Lower Upper

70 100

42 53.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

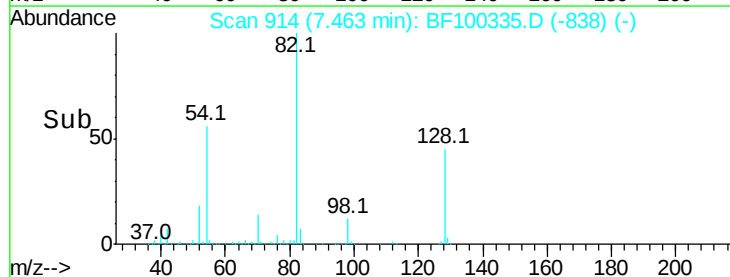
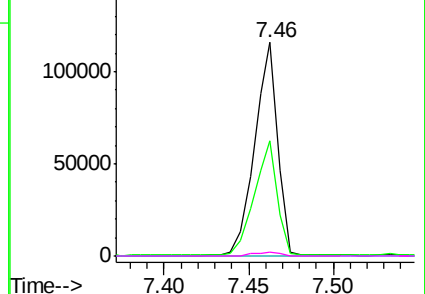


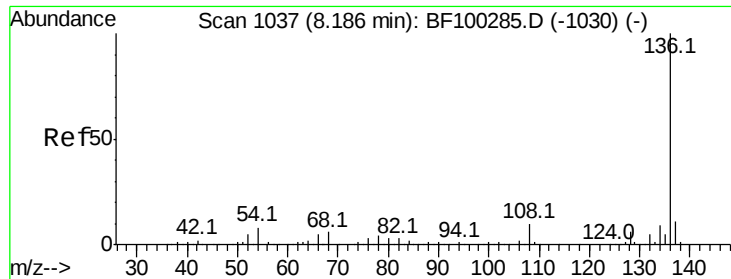
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

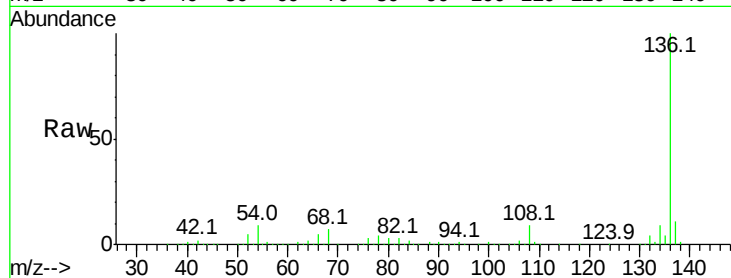




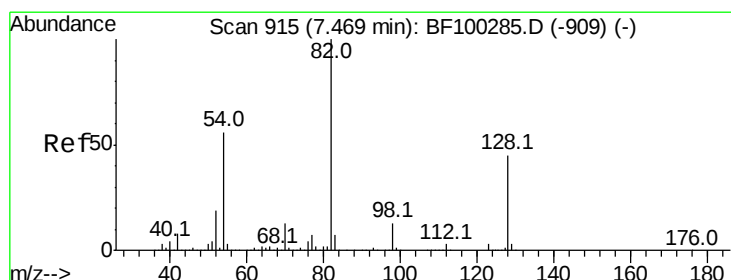
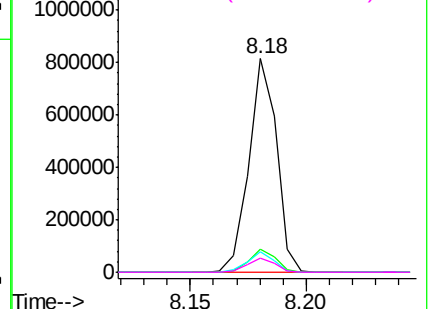
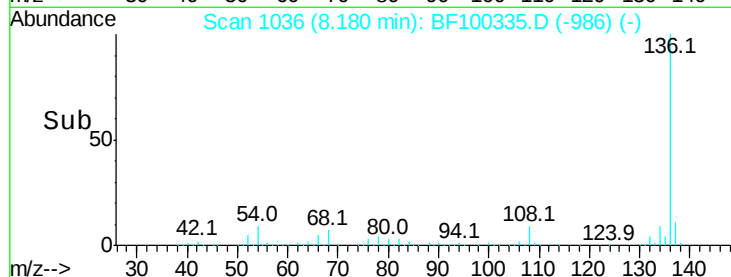
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF100335.D
Acq: 9 Nov 2017 12:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 685505
Ion Ratio	Lower Upper
136 100	
137 10.8	8.9 13.3
54 9.5	6.6 9.8
68 6.6	5.0 7.4

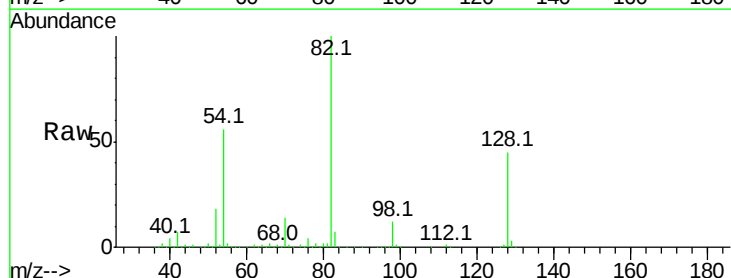


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

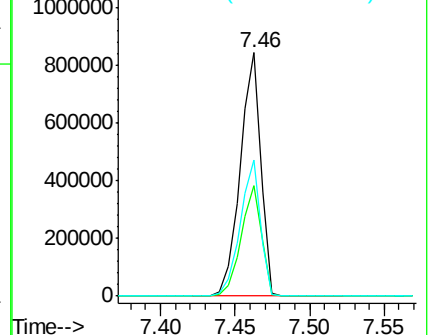
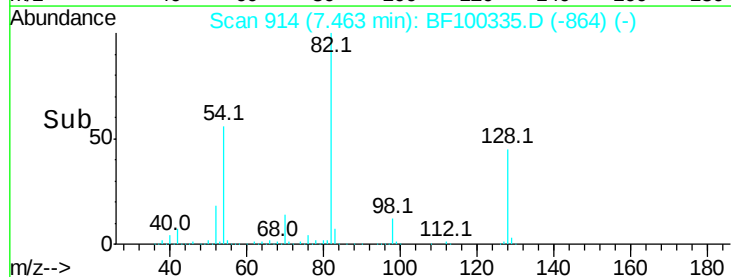


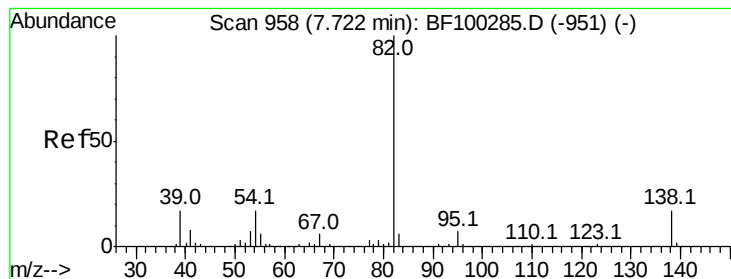
#23
Nitrobenzene-d5
Concen: 78.801 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.01 min
Lab File: BF100335.D
Acq: 9 Nov 2017 12:08

Tgt	Ion: 82	Resp:	817056
Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.1	54.1
54	56.0	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: 37.484 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.26 min

Lab File: BF100335.D

Acq: 9 Nov 2017 12:08

Instrument :

BNA_F

ClientSampleId :

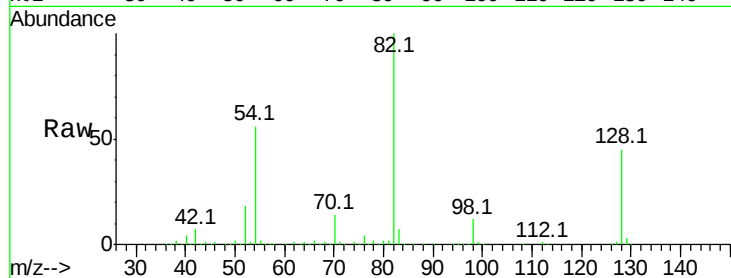
Tot Ion: 82 Resp: 816735

Ion Ratio Lower Upper

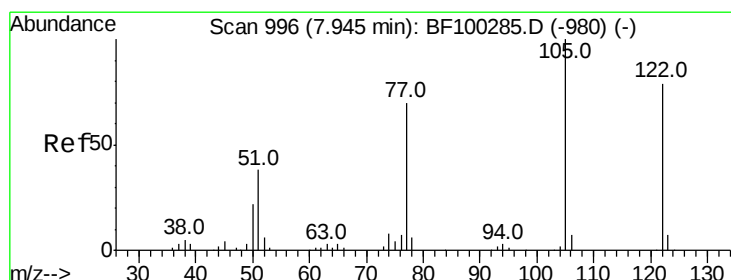
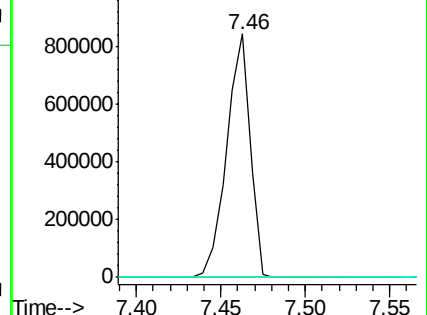
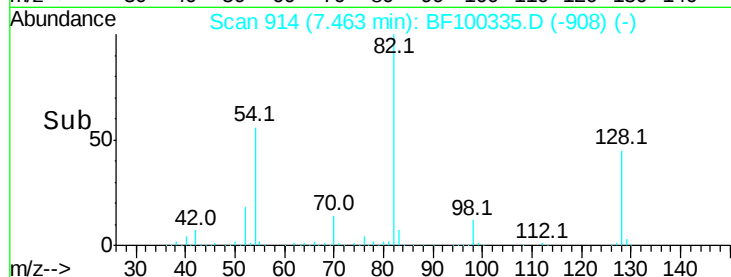
82 100

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



#32

Benzoic acid

Concen: 9.405 ng

RT: 7.85 min Scan# 980

Delta R.T. -0.10 min

Lab File: BF100335.D

Acq: 9 Nov 2017 12:08

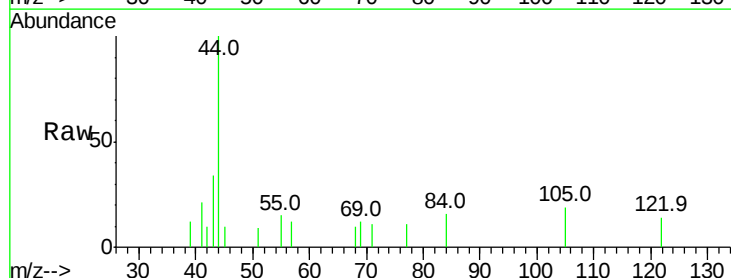
Tgt Ion: 122 Resp: 321

Ion Ratio Lower Upper

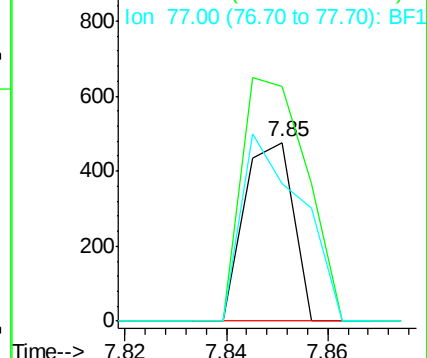
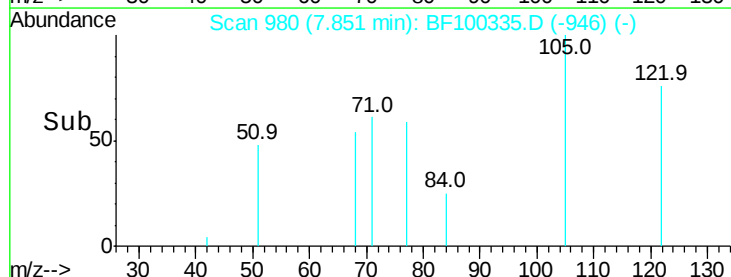
122 100

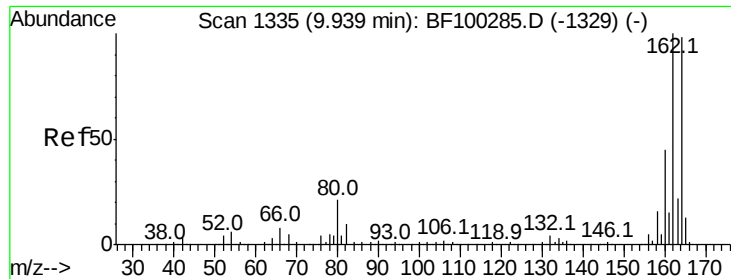
105 131.5 101.1 141.1

77 77.1 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

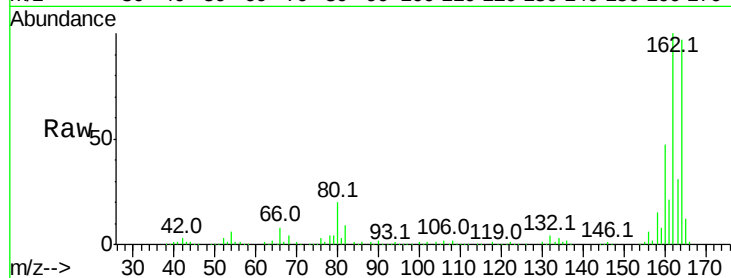




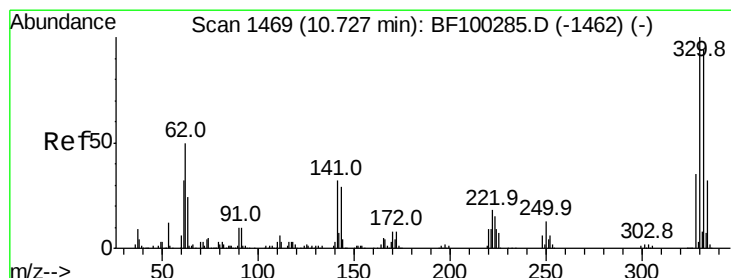
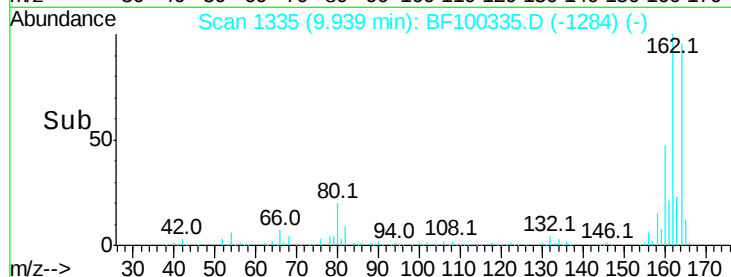
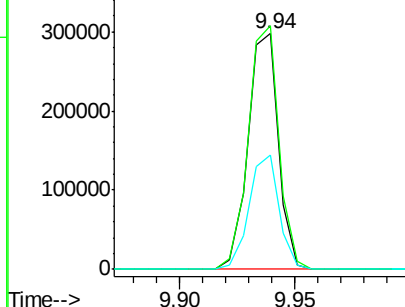
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.00 min
Lab File: BF100335.D
Acq: 9 Nov 2017 12:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 273876
Ion Ratio Lower Upper
164 100
162 103.4 86.1 129.1
160 48.7 38.3 57.5

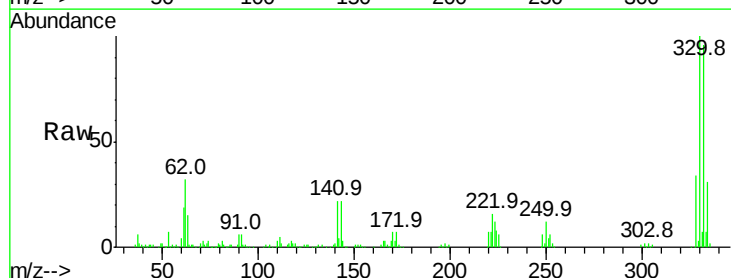


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

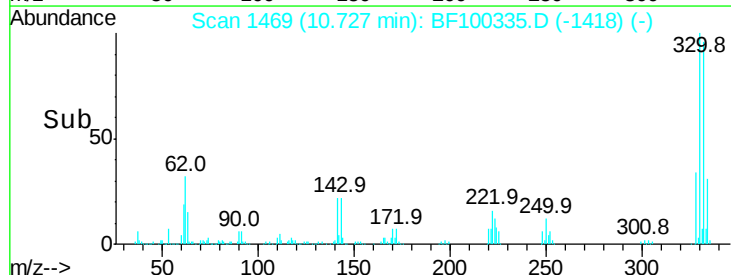
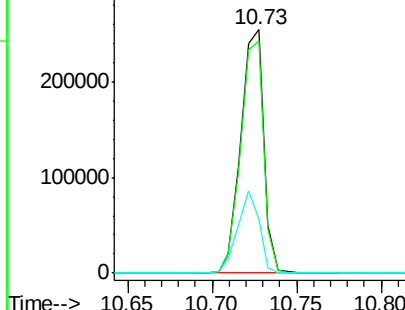


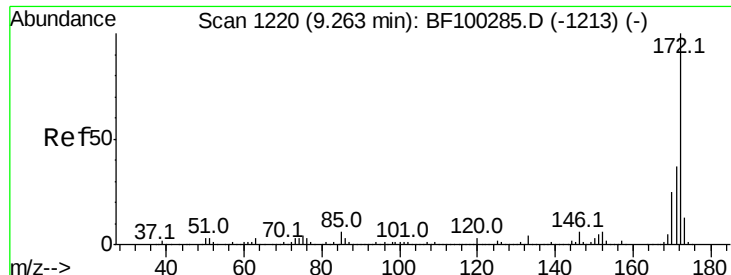
#41
2,4,6-Tribromophenol
Concen: 86.486 ng
RT: 10.73 min Scan# 1469
Delta R.T. -0.00 min
Lab File: BF100335.D
Acq: 9 Nov 2017 12:08

Tgt Ion:330 Resp: 241364
Ion Ratio Lower Upper
330 100
332 96.0 77.0 115.6
141 31.7 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

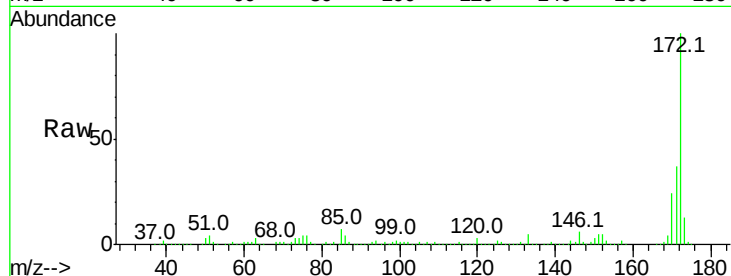




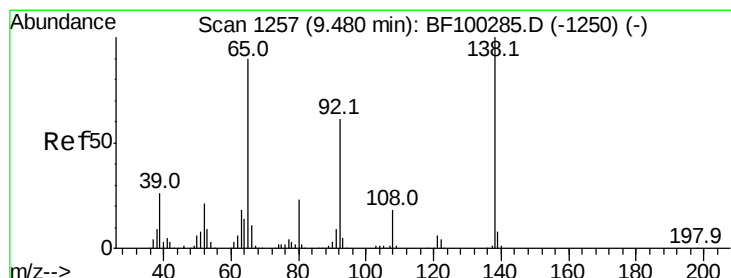
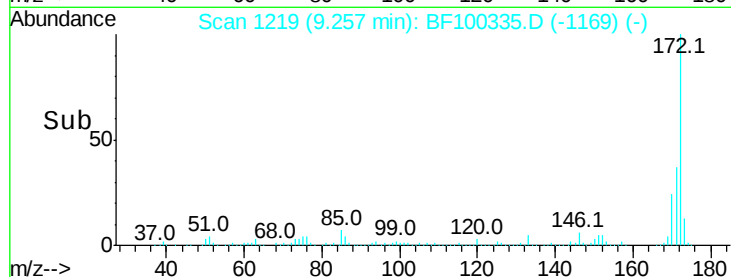
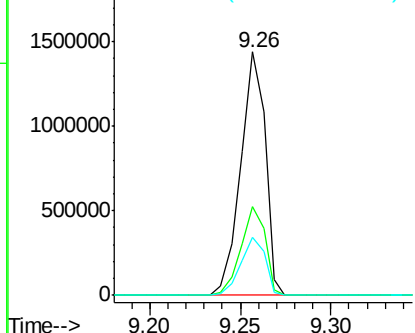
#44
2-Fluorobiphenyl
Concen: 75.271 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.01 min
Lab File: BF100335.D
Acq: 9 Nov 2017 12:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1353838
Ion Ratio Lower Upper
172 100
171 36.6 29.7 44.5
170 24.0 19.6 29.4

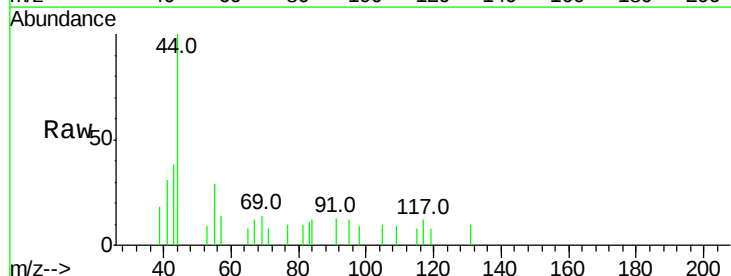


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

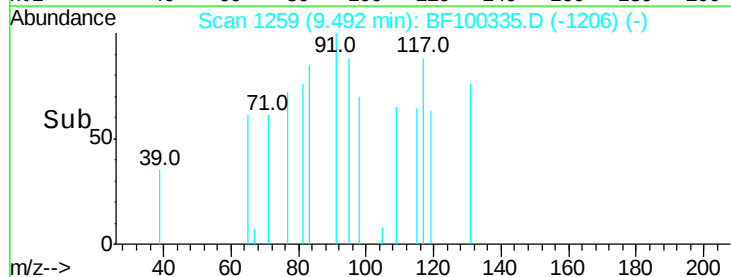
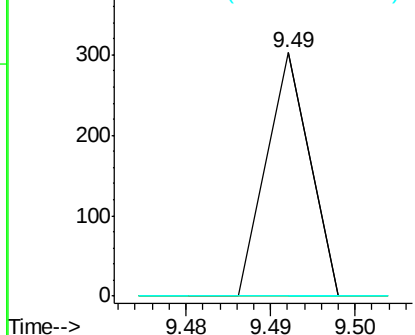


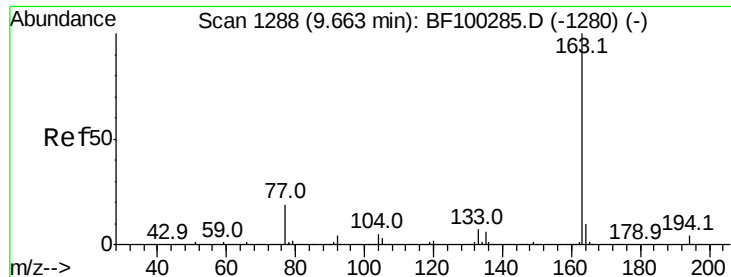
#47
2-Nitroaniline
Concen: 2.804 ng
RT: 9.49 min Scan# 1259
Delta R.T. 0.01 min
Lab File: BF100335.D
Acq: 9 Nov 2017 12:08

Tgt Ion: 65 Resp: 107
Ion Ratio Lower Upper
65 100
92 0.0 55.8 83.6#
138 0.0 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: 2.019 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.02 min

Lab File: BF100335.D

Acq: 9 Nov 2017 12:08

Instrument :

BNA_F

ClientSampleId :

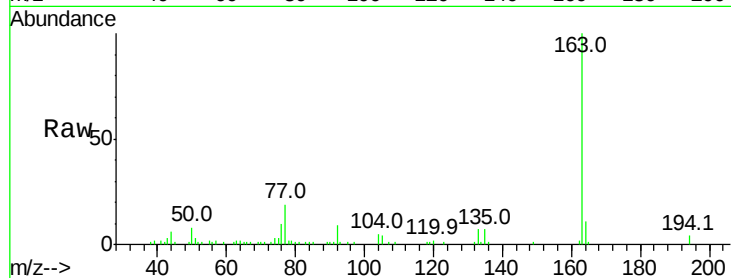
Tot Ion:163 Resp: 42223

Ion Ratio Lower Upper

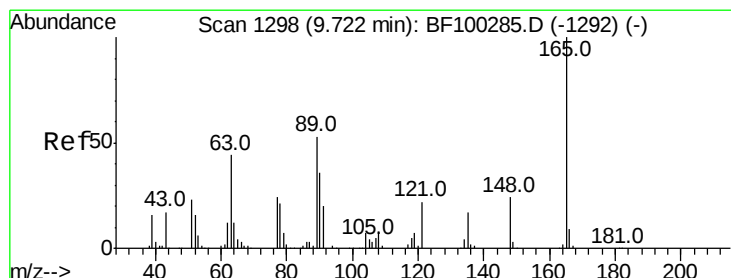
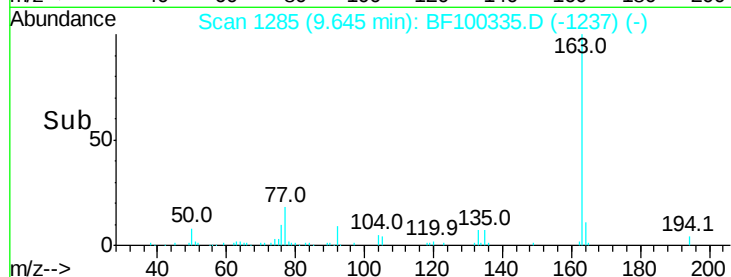
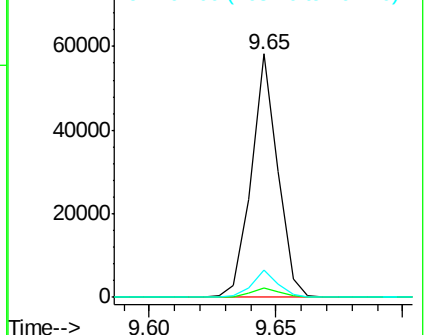
163 100

194 3.8 2.7 4.1

164 11.1 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.440 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.21 min

Lab File: BF100335.D

Acq: 9 Nov 2017 12:08

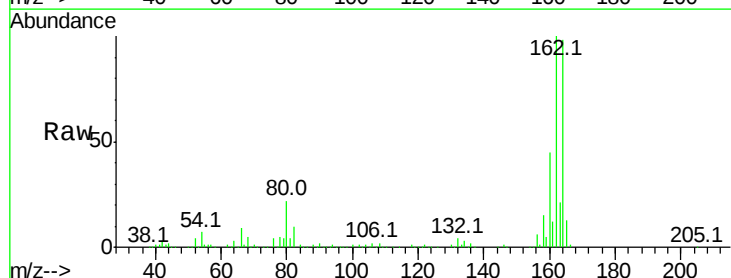
Tgt Ion:165 Resp: 34935

Ion Ratio Lower Upper

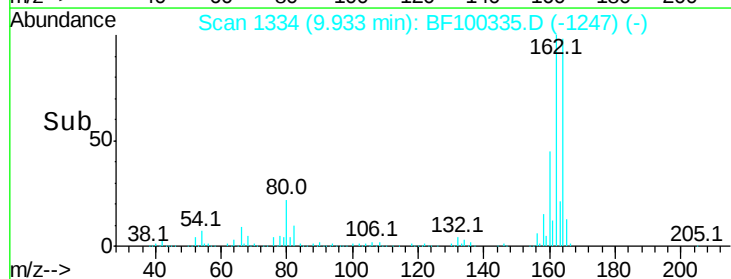
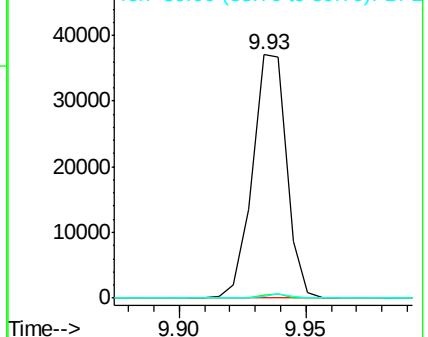
165 100

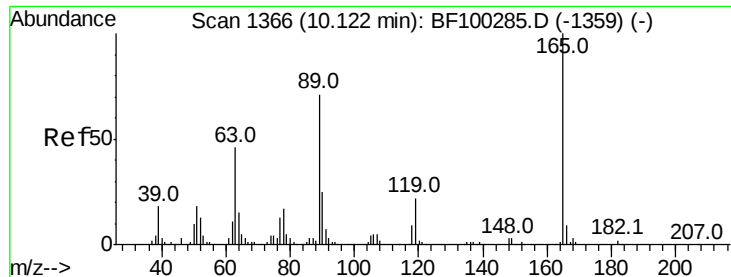
63 1.2 44.7 67.1#

89 0.9 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

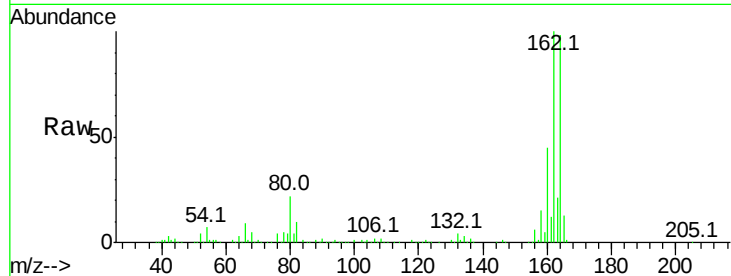




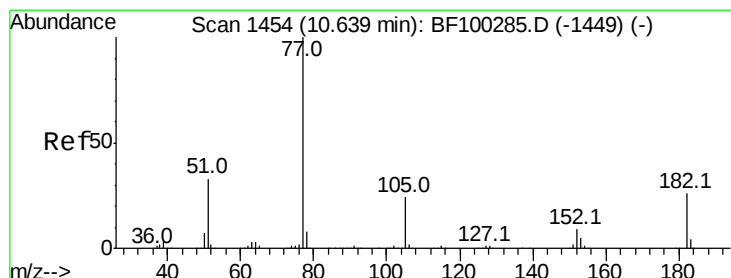
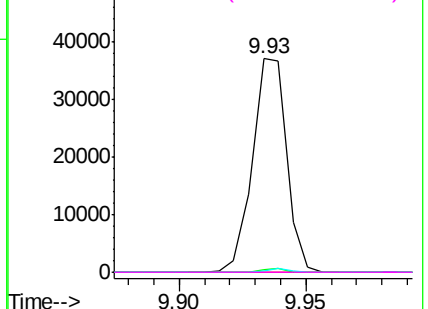
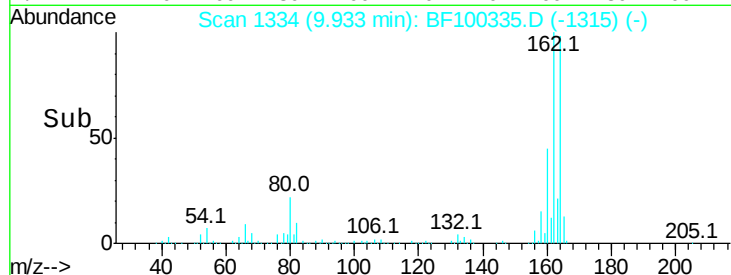
#56
2,4-Dinitrotoluene
Concen: 6.690 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.19 min
Lab File: BF100335.D
Acq: 9 Nov 2017 12:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 34935
Ion Ratio Lower Upper
165 100
63 1.2 36.4 54.6#
89 0.9 57.8 86.6#
182 0.0 1.6 2.4#

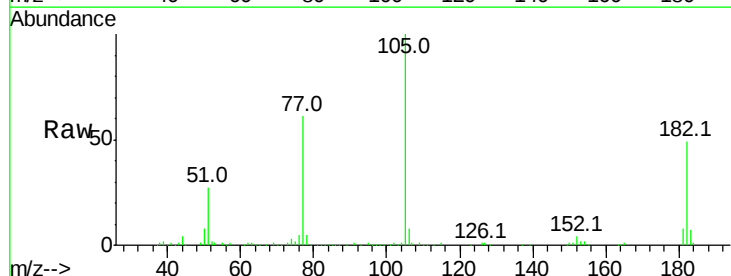


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

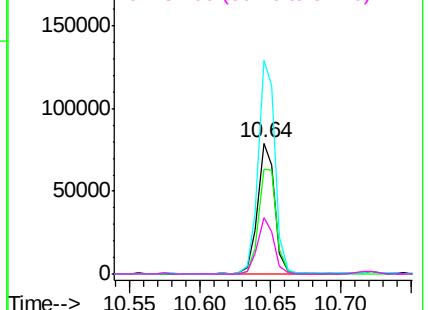
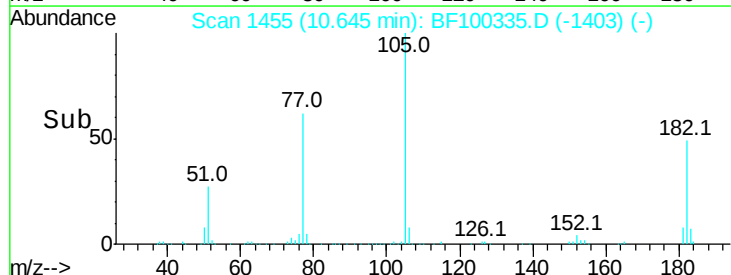


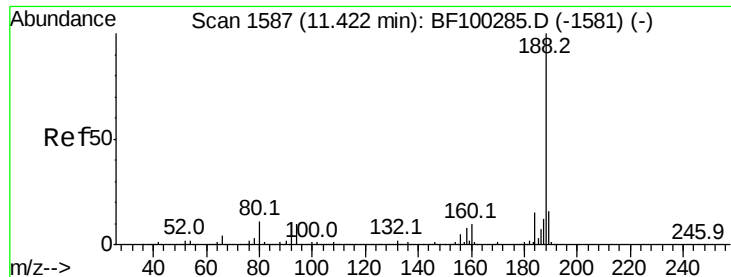
#62
Azobenzene
Concen: 3.494 ng
RT: 10.64 min Scan# 1455
Delta R.T. 0.01 min
Lab File: BF100335.D
Acq: 9 Nov 2017 12:08

Tgt Ion: 77 Resp: 68862
Ion Ratio Lower Upper
77 100
182 79.8 1.7 41.7#
105 162.8 3.0 43.0#
51 43.3 9.9 49.9



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

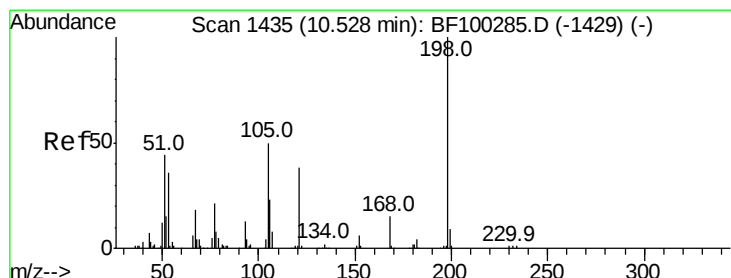
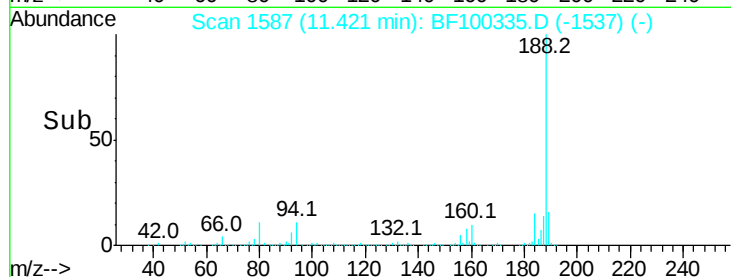
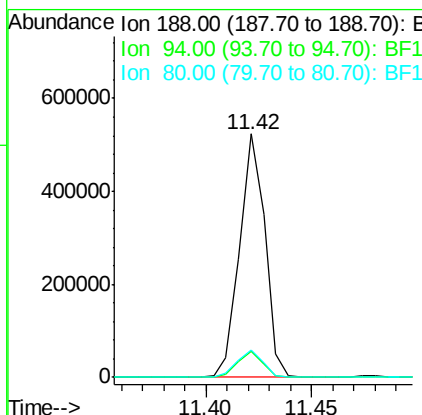
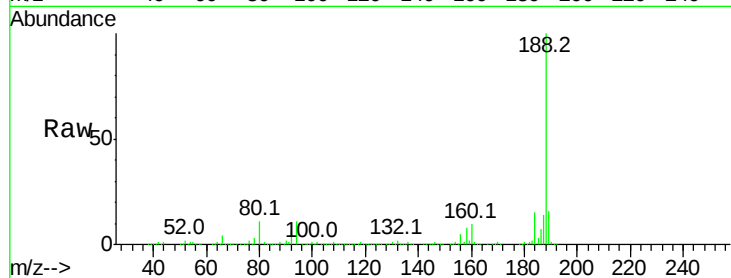




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF100335.D
 Acq: 9 Nov 2017 12:08

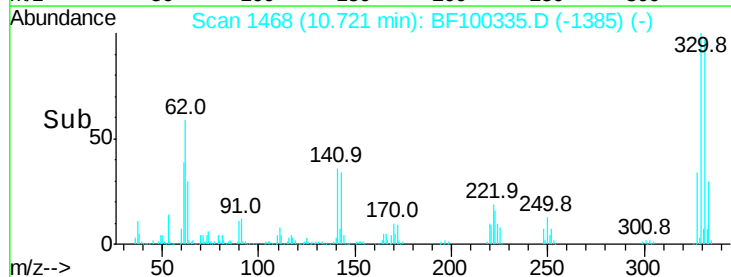
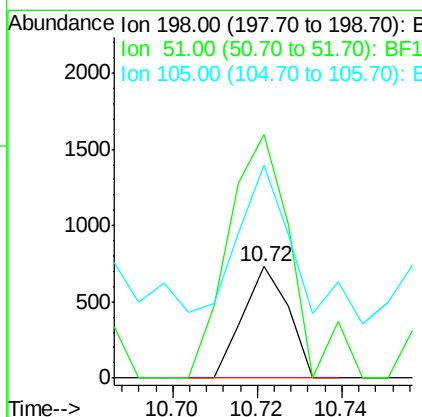
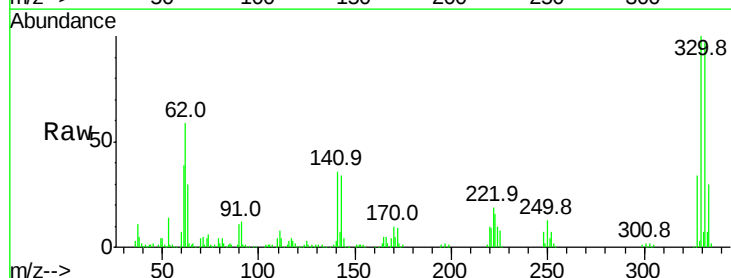
Instrument :
 BNA_F
 ClientSampleId :

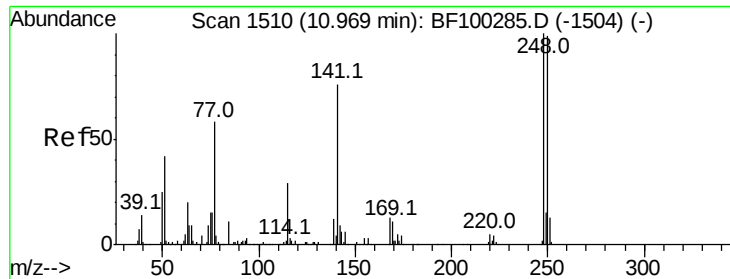
Tot Ion:188 Resp: 433537
 Ion Ratio Lower Upper
 188 100
 94 10.8 8.5 12.7
 80 11.3 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.775 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.19 min
 Lab File: BF100335.D
 Acq: 9 Nov 2017 12:08

Tgt Ion:198 Resp: 546
 Ion Ratio Lower Upper
 198 100
 51 219.1 37.7 77.7#
 105 191.6 36.3 76.3#

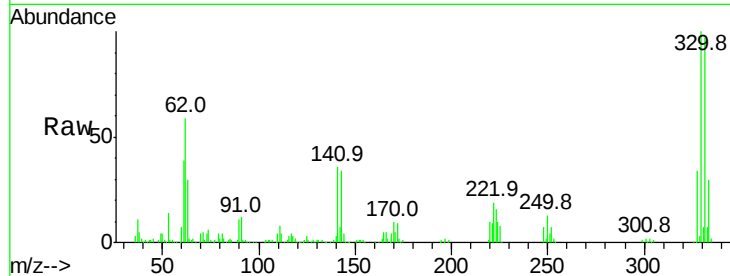




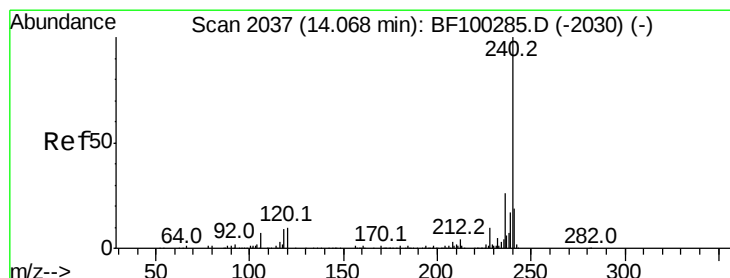
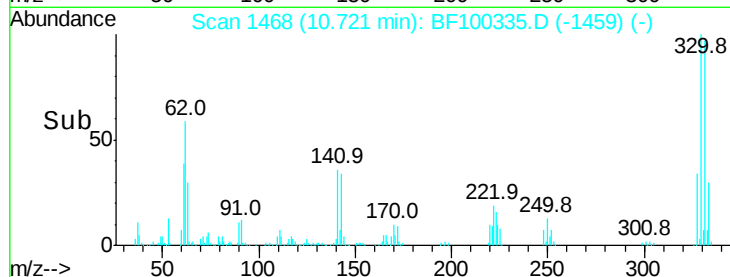
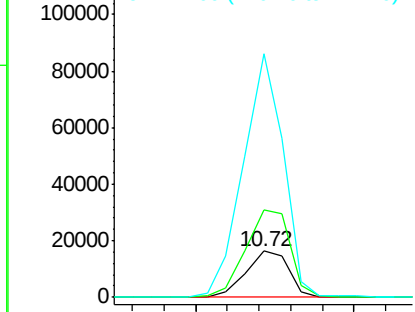
#66
4-Bromophenyl-phenylether
Concen: 3.250 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.25 min
Lab File: BF100335.D
Acq: 9 Nov 2017 12:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 15106
Ion Ratio Lower Upper
248 100
250 190.5 76.9 115.3#
141 527.1 74.4 111.6#

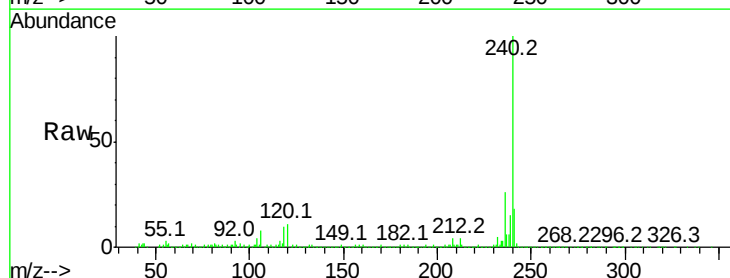


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

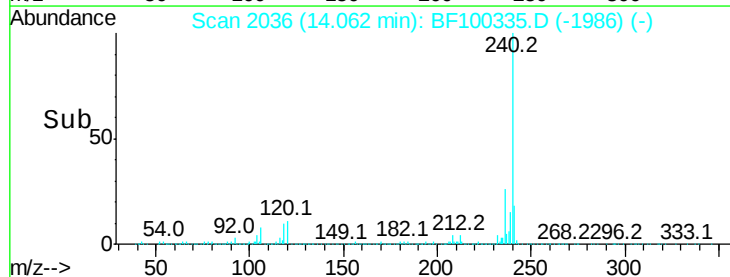
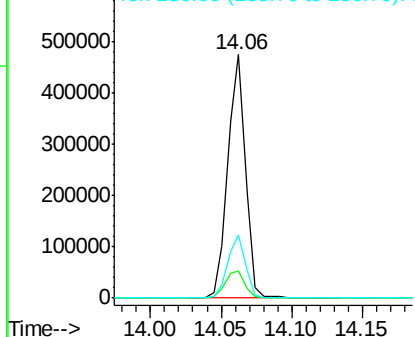


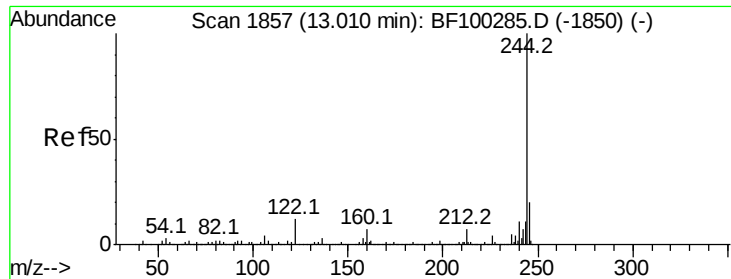
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF100335.D
Acq: 9 Nov 2017 12:08

Tgt Ion:240 Resp: 410889
Ion Ratio Lower Upper
240 100
120 11.3 9.5 14.3
236 25.9 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: 53.971 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.00 min

Lab File: BF100335.D

Acq: 9 Nov 2017 12:08

Instrument :

BNA_F

ClientSampled :

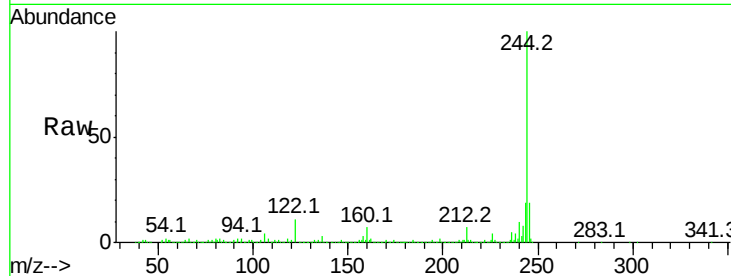
Tot Ion:244 Resp: 965136

Ion Ratio Lower Upper

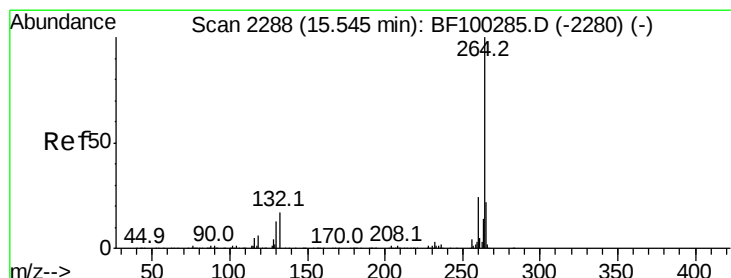
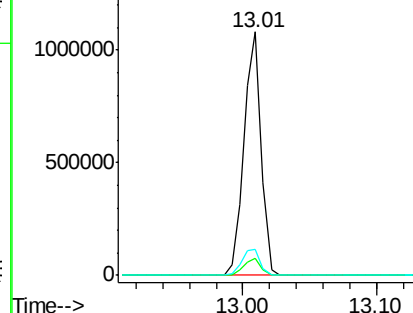
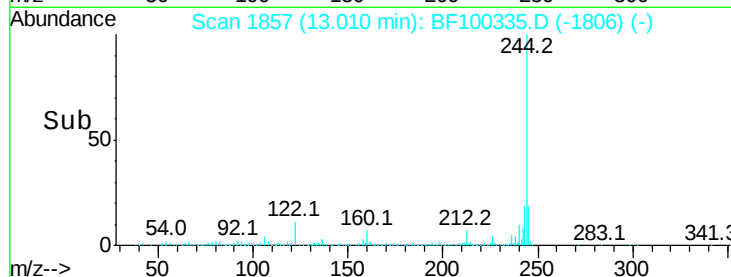
244 100

212 7.0 5.4 8.0

122 10.8 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. -0.00 min

Lab File: BF100335.D

Acq: 9 Nov 2017 12:08

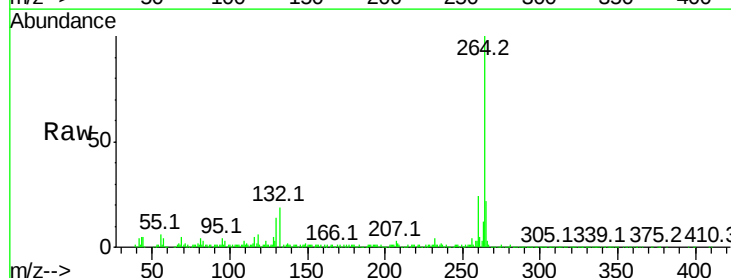
Tgt Ion:264 Resp: 331587

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 22.1 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

