

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111017\
 Data File : BF100393.D
 Acq On : 10 Nov 2017 16:14
 Operator : SJ/JU
 Sample : I6383-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 10 21:53:38 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 10 15:44:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	165732	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	664355	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	305587	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	560540	20.00	ng	0.00
75) Chrysene-d12	14.06	240	349860	20.00	ng	0.00
86) Perylene-d12	15.54	264	352864	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	910977	88.11	ng	0.00
7) Phenol-d6	6.52	99	1194091	93.66	ng	0.00
23) Nitrobenzene-d5	7.46	82	728069	72.45	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	271739	87.27	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1328912	66.22	ng	0.00
78) Terphenyl-d14	13.01	244	1029511	67.61	ng	0.00

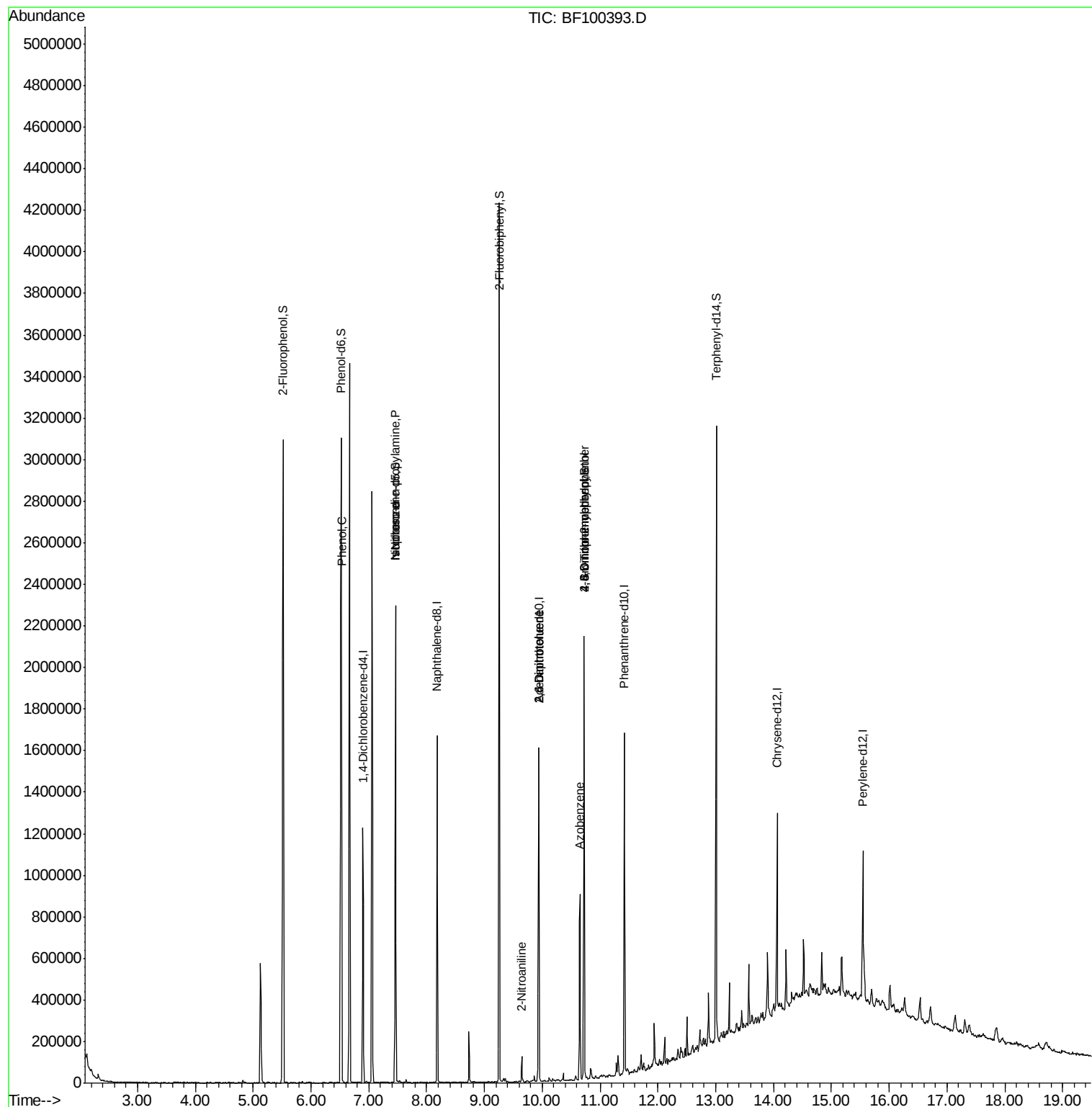
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.53	94	35746	2.671	ng	97
19) n-Nitroso-di-n-propylamine	7.46	70	96643	10.930	ng	# 82
25) Isophorone	7.46	82	726408	34.400	ng	# 64
47) 2-Nitroaniline	9.65	65	484	2.864	ng	# 1
50) 2,6-Dinitrotoluene	9.94	165	40028	8.667	ng	# 26
56) 2,4-Dinitrotoluene	9.94	165	40028	6.870	ng	# 24
62) Azobenzene	10.65	77	148281	6.743	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.72	198	753	8.789	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	17394	2.895	ng	# 1

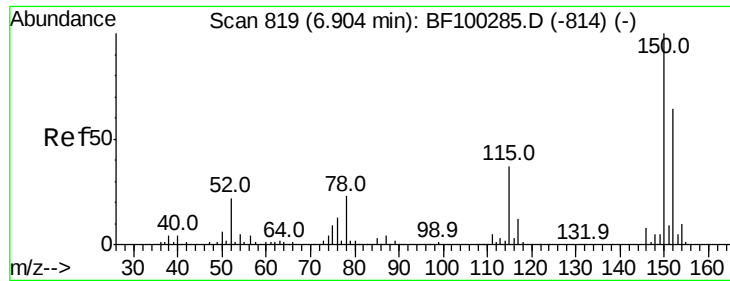
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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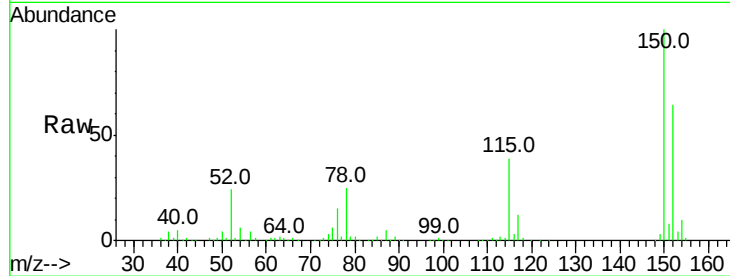


#1

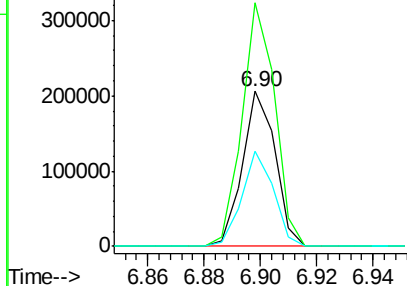
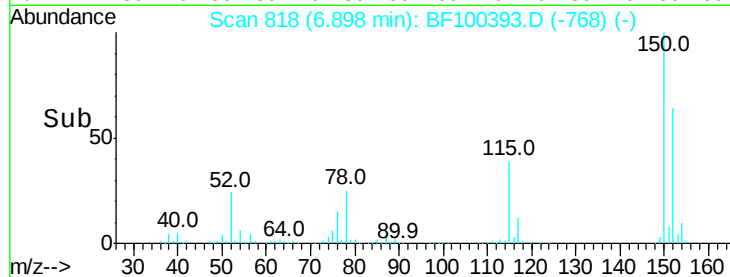
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 818
 Delta R.T. -0.01 min
 Lab File: BF100393.D
 Acq: 10 Nov 2017 16:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 165732
 Ion Ratio Lower Upper
 152 100
 150 157.1 124.6 186.8
 115 61.6 50.1 75.1



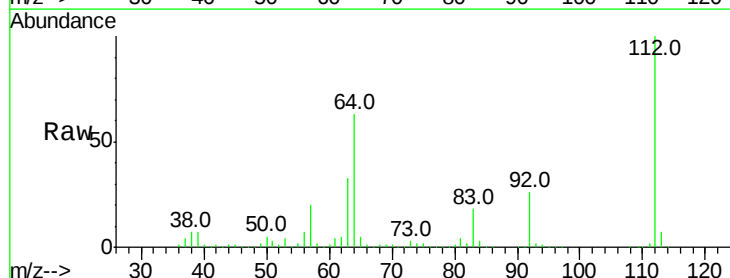
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



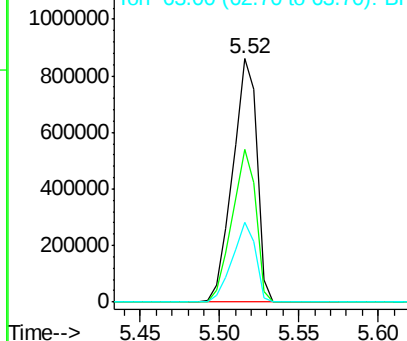
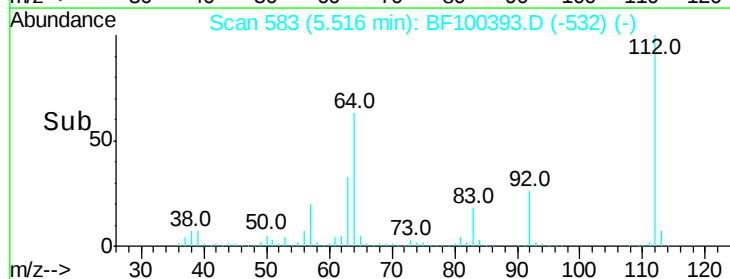
#5

2-Fluorophenol
 Concen: 88.111 ng
 RT: 5.52 min Scan# 583
 Delta R.T. -0.00 min
 Lab File: BF100393.D
 Acq: 10 Nov 2017 16:14

Tgt Ion:112 Resp: 910977
 Ion Ratio Lower Upper
 112 100
 64 62.9 47.9 71.9
 63 32.7 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: 93.659 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF100393.D

Acq: 10 Nov 2017 16:14

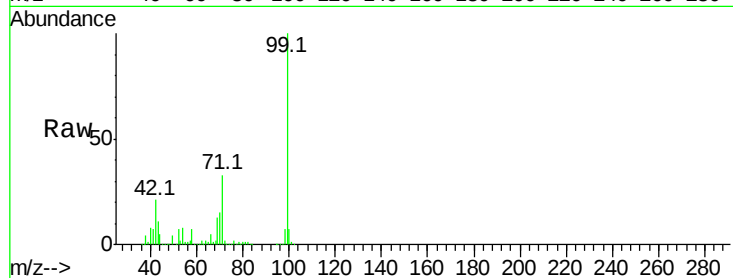
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1194091

Ion	Ratio	Lower	Upper
99	100		
42	20.6	14.5	21.7
71	33.5	25.4	38.0

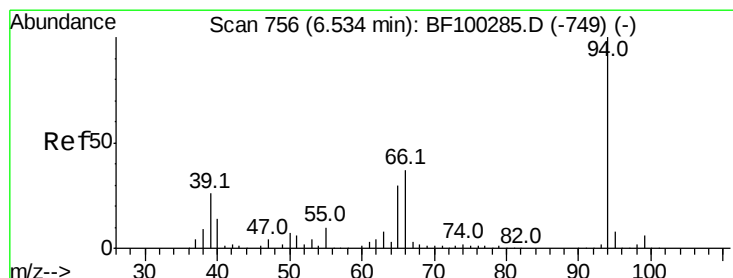
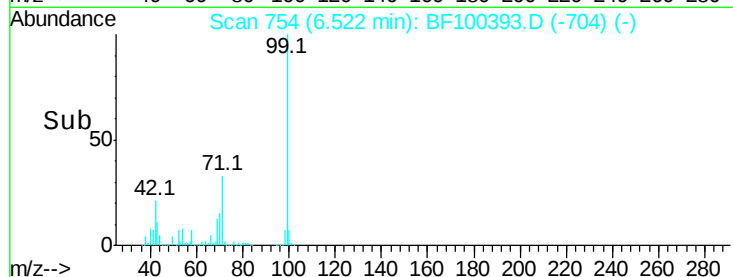
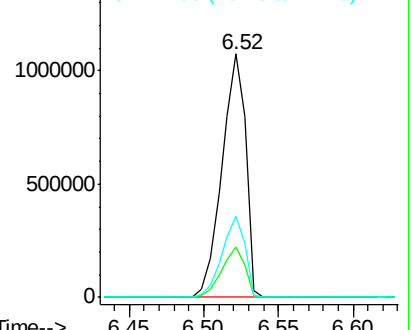


Abundance

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



#10

Phenol

Concen: 2.671 ng

RT: 6.53 min Scan# 756

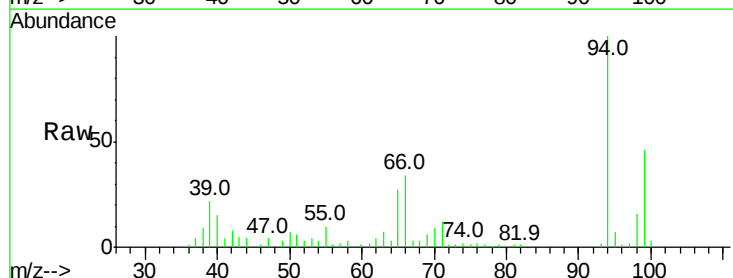
Delta R.T. -0.01 min

Lab File: BF100393.D

Acq: 10 Nov 2017 16:14

Tgt Ion: 94 Resp: 35746

Ion	Ratio	Lower	Upper
94	100		
65	26.6	7.9	47.9
66	34.2	16.2	56.2

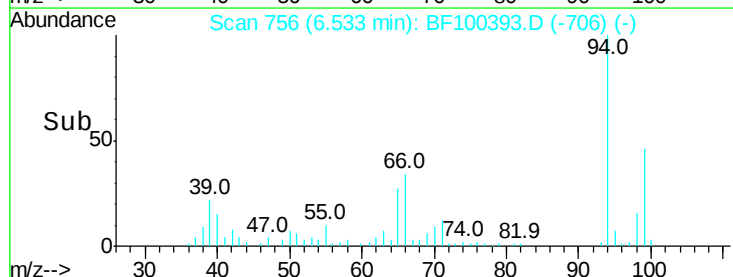
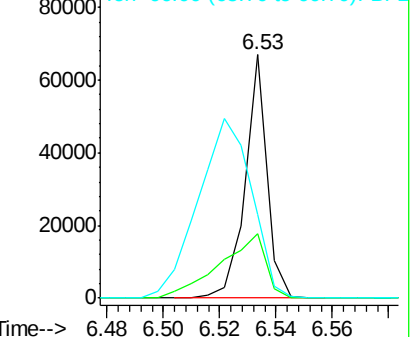


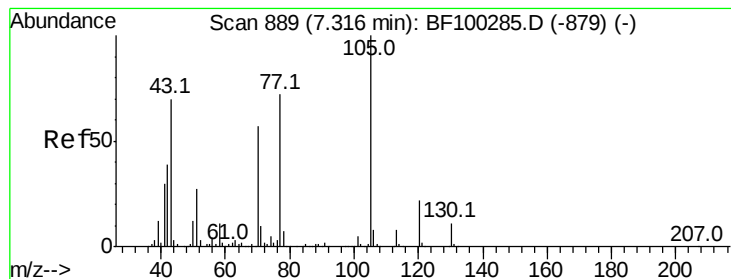
Abundance

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: 10.930 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.15 min

Lab File: BF100393.D

Acq: 10 Nov 2017 16:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 96643

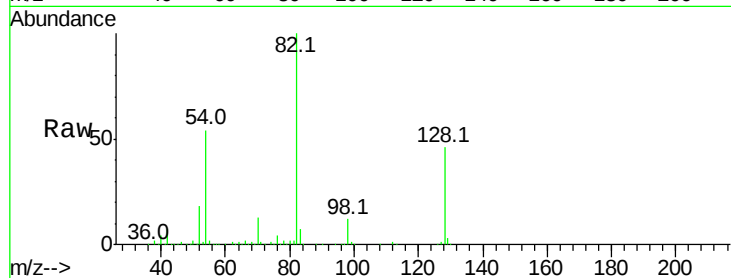
Ion Ratio Lower Upper

70 100

42 52.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

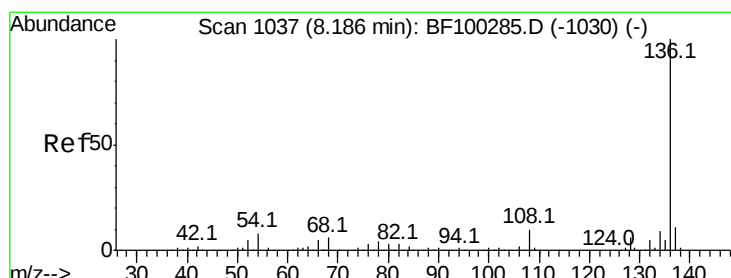
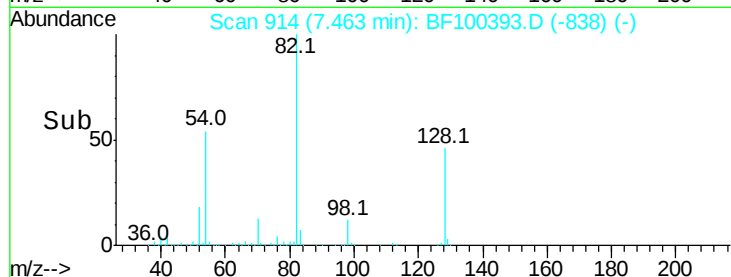
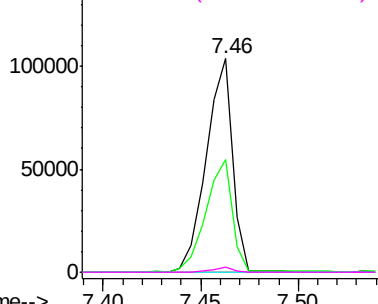


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF100393.D

Acq: 10 Nov 2017 16:14

Tgt Ion:136 Resp: 664355

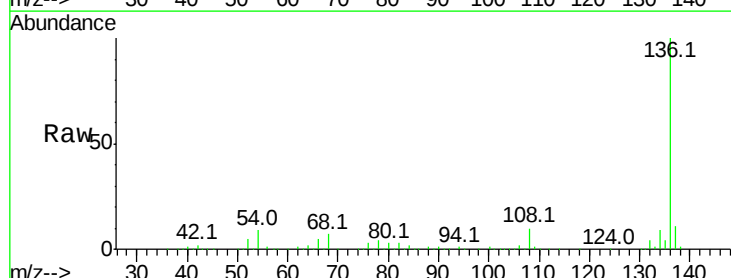
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.1 6.6 9.8

68 6.8 5.0 7.4

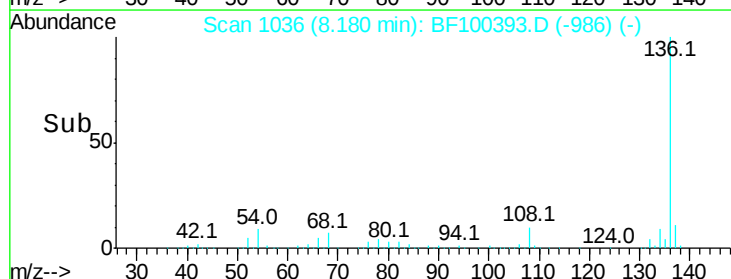
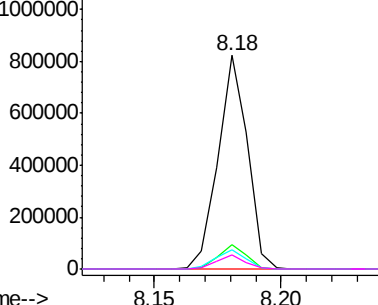


Abundance Ion 136.00 (135.70 to 136.70): BF1

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

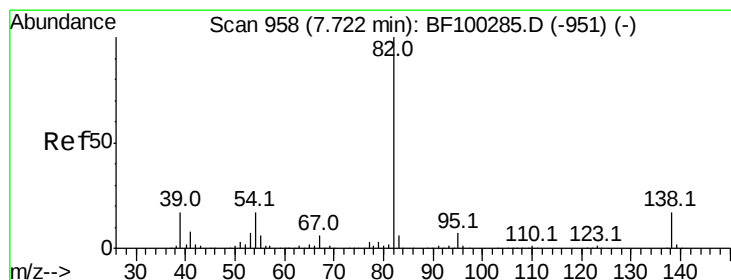
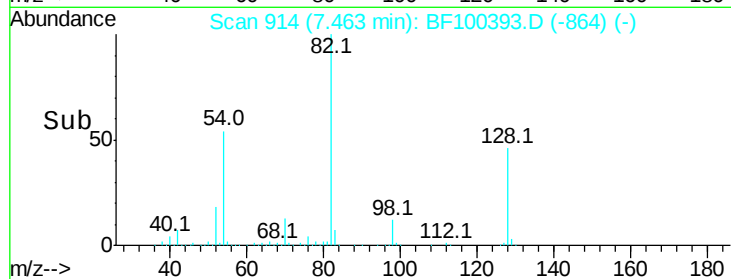
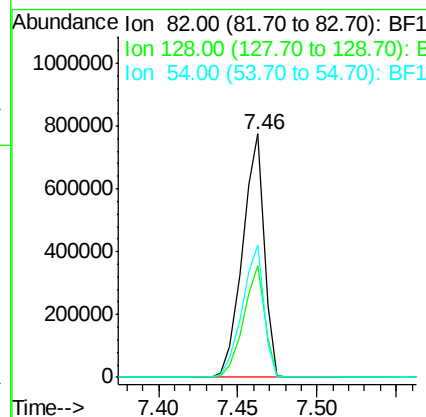
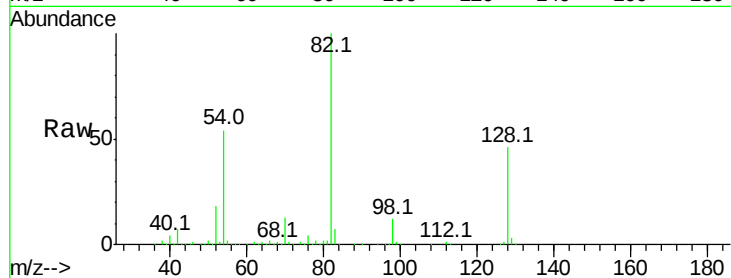




#23
 Nitrobenzene-d5
 Concen: 72.454 ng
 RT: 7.46 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: BF100393.D
 Acq: 10 Nov 2017 16:14

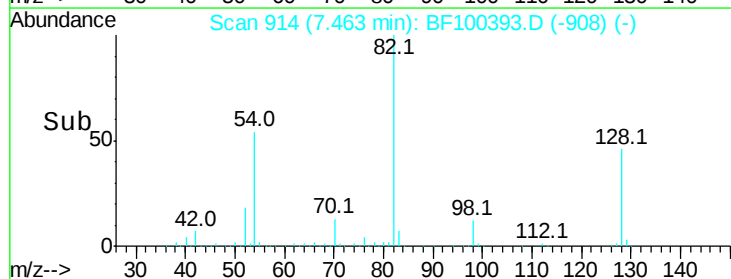
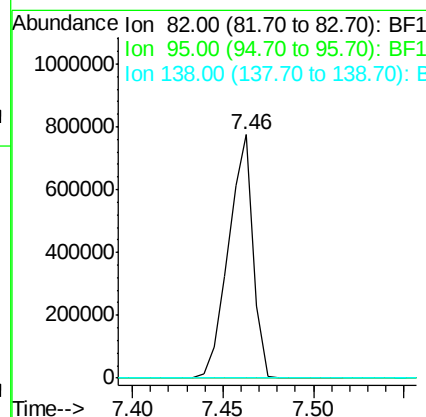
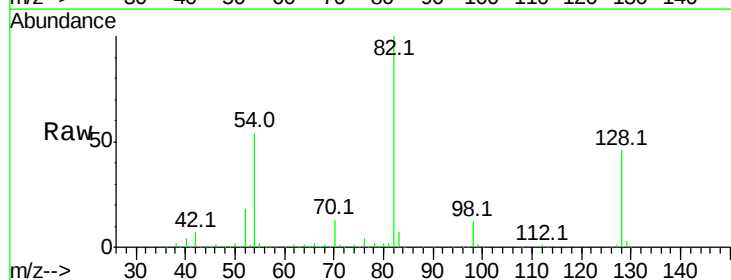
Instrument :
 BNA_F
 ClientSampleId :

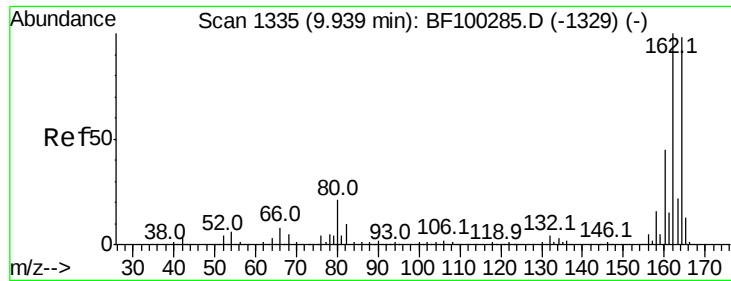
Tot Ion	82	Resp	728069
Ion Ratio	100	Lower	Upper
128	45.8	36.1	54.1
54	54.1	41.4	62.2



#25
 Isophorone
 Concen: 34.400 ng
 RT: 7.46 min Scan# 914
 Delta R.T. -0.26 min
 Lab File: BF100393.D
 Acq: 10 Nov 2017 16:14

Tgt Ion	82	Resp	726408
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

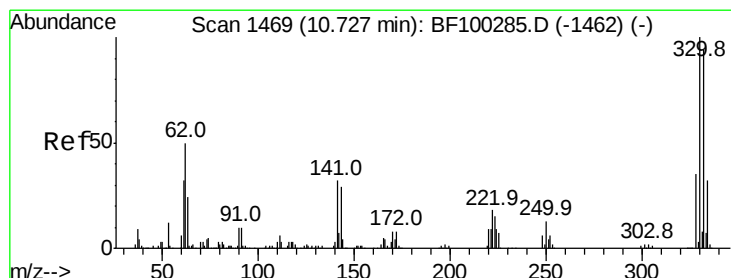
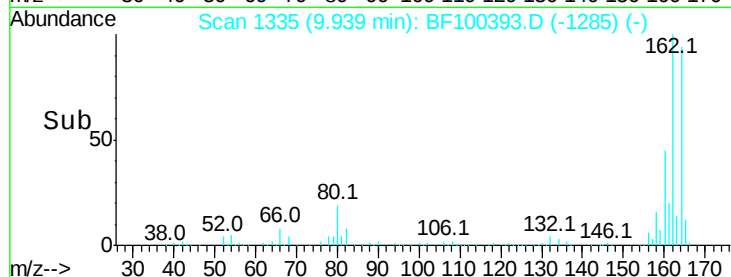
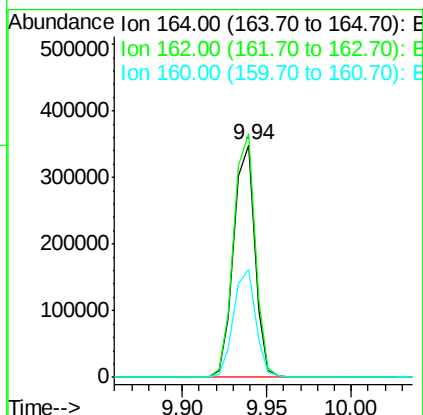
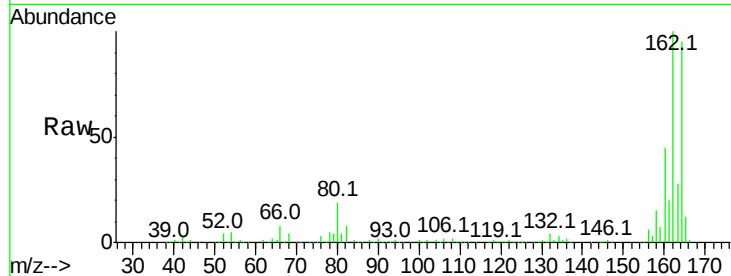




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.01 min
 Lab File: BF100393.D
 Acq: 10 Nov 2017 16:14

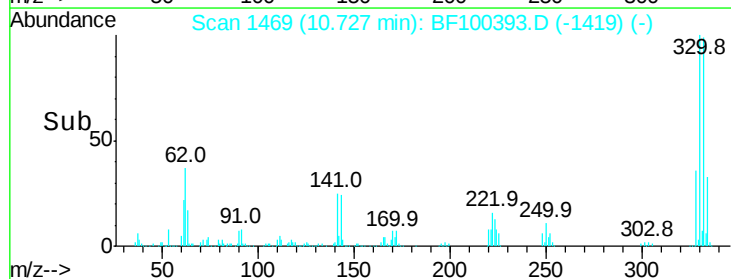
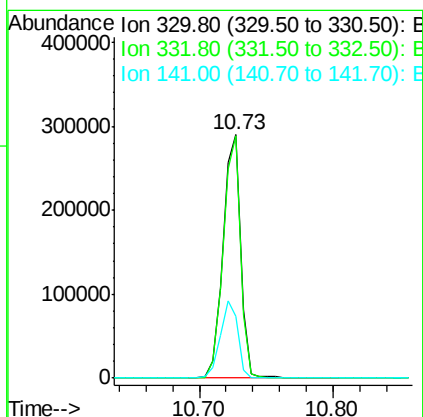
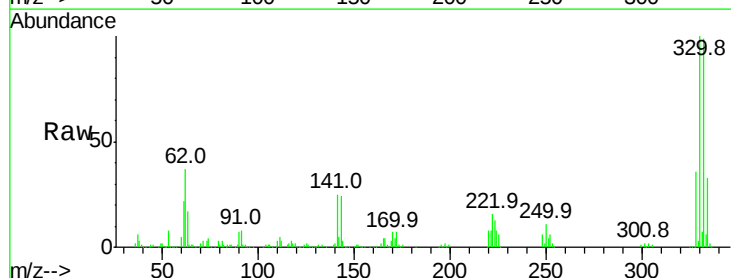
Instrument :
 BNA_F
 ClientSampleId :

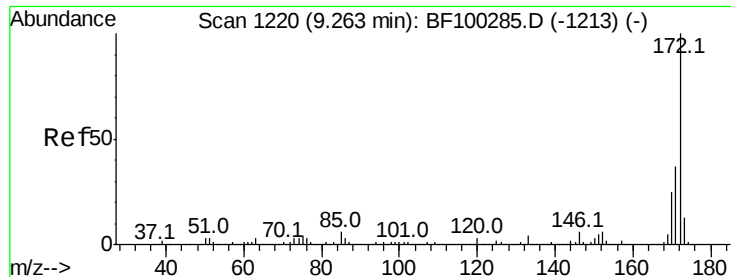
Tot Ion	Ratio	Lower	Upper
164	100		
162	104.7	86.1	129.1
160	46.7	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 87.266 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: BF100393.D
 Acq: 10 Nov 2017 16:14

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.0	115.6
141	31.8	29.9	44.9

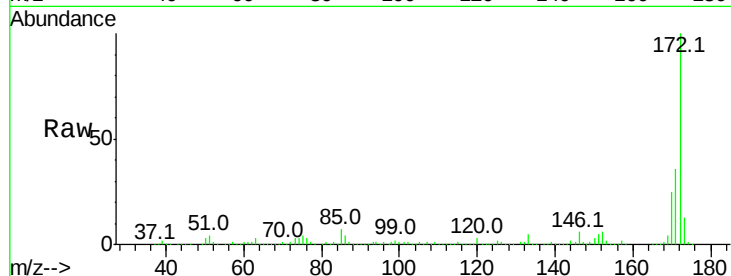




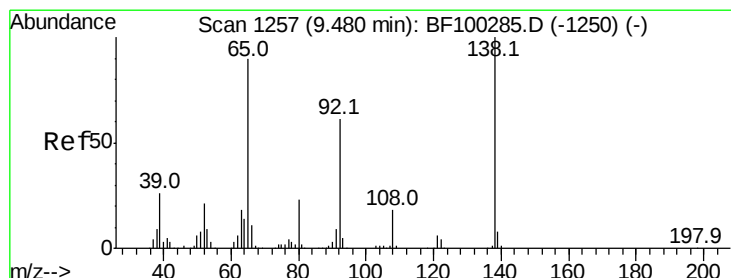
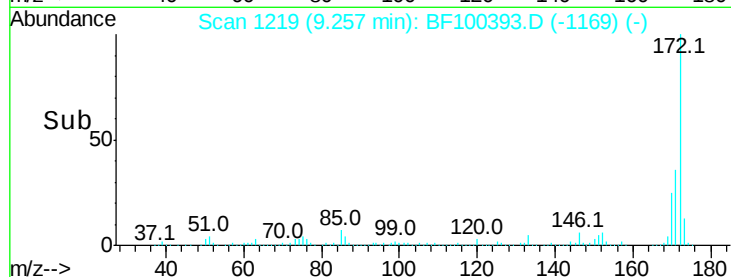
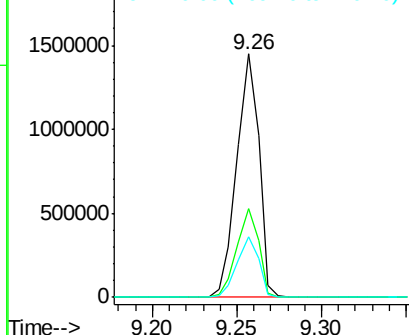
#44
2-Fluorobiphenyl
Concen: 66.218 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.01 min
Lab File: BF100393.D
Acq: 10 Nov 2017 16:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1328912
Ion Ratio Lower Upper
172 100
171 36.3 29.7 44.5
170 24.9 19.6 29.4

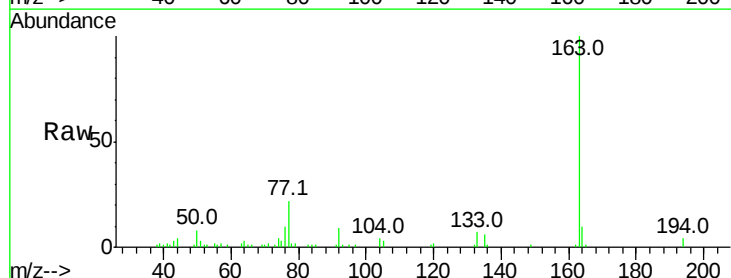


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

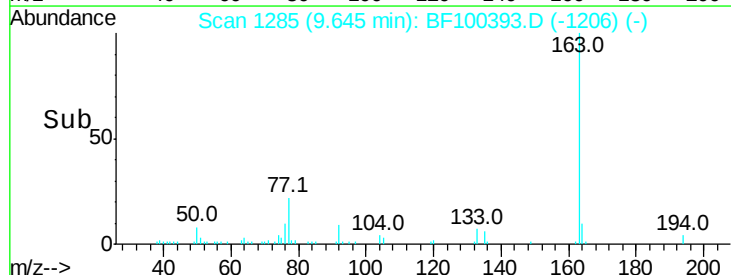
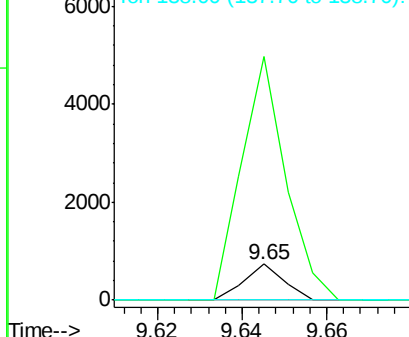


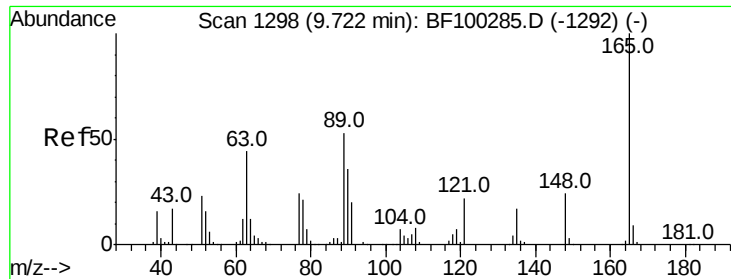
#47
2-Nitroaniline
Concen: 2.864 ng
RT: 9.65 min Scan# 1285
Delta R.T. 0.16 min
Lab File: BF100393.D
Acq: 10 Nov 2017 16:14

Tgt Ion: 65 Resp: 484
Ion Ratio Lower Upper
65 100
92 674.9 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

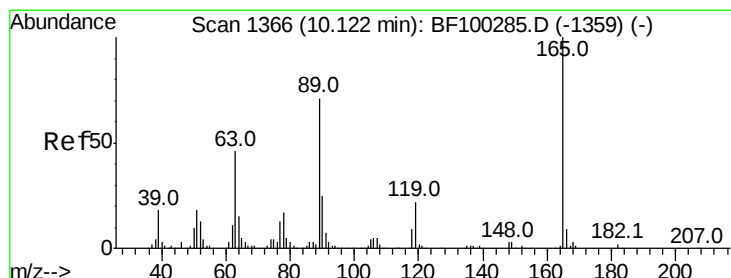
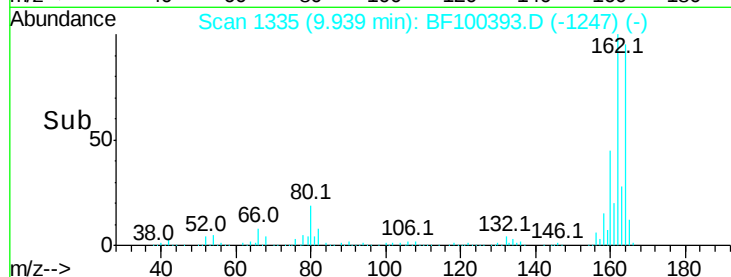
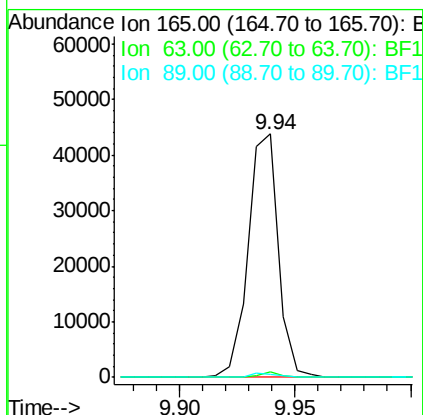
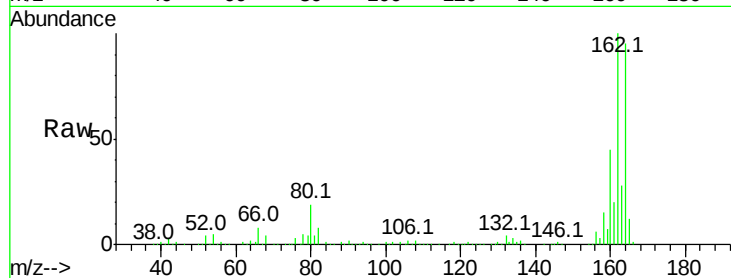




#50
 2,6-Dinitrotoluene
 Concen: 8.667 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.22 min
 Lab File: BF100393.D
 Acq: 10 Nov 2017 16:14

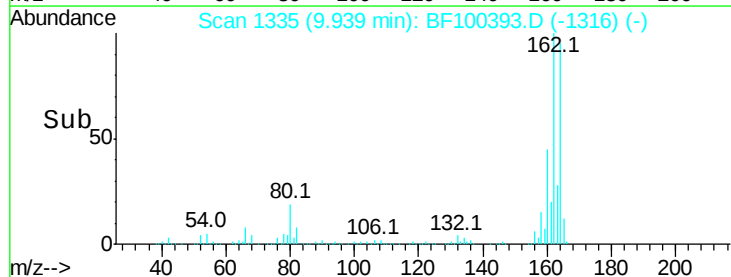
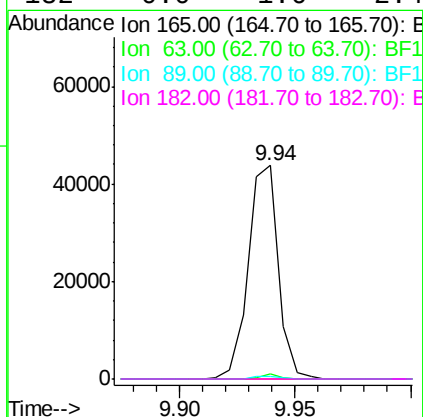
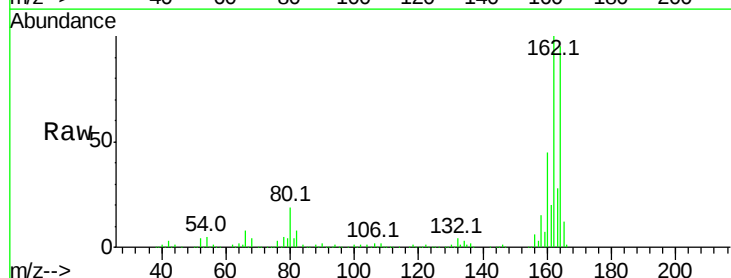
Instrument :
 BNA_F
 ClientSampleId :

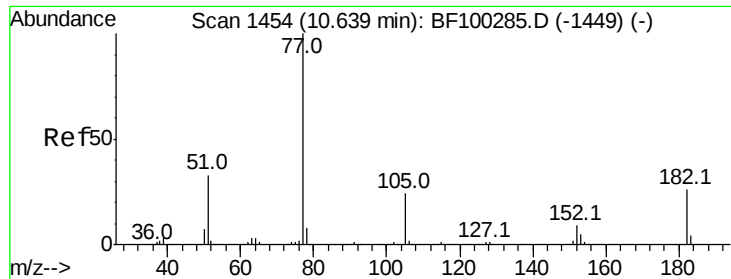
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.2	44.7	67.1#
89	1.3	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.870 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.19 min
 Lab File: BF100393.D
 Acq: 10 Nov 2017 16:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#





#62

Azobenzene

Concen: 6.743 ng

RT: 10.65 min Scan# 1456

Delta R.T. 0.01 min

Lab File: BF100393.D

Acq: 10 Nov 2017 16:14

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 148281

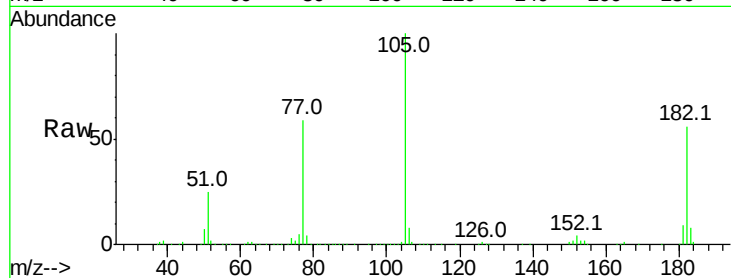
Ion Ratio Lower Upper

77 100

182 94.9 1.7 41.7#

105 168.5 3.0 43.0#

51 41.9 9.9 49.9

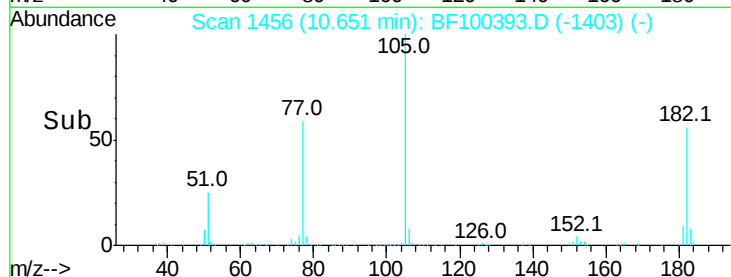


Abundance Ion 77.00 (76.70 to 77.70): BF1

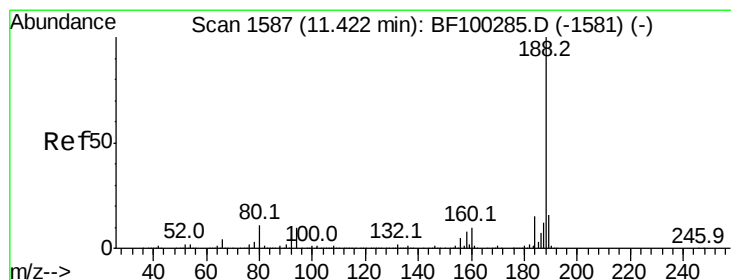
Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



Time-->



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF100393.D

Acq: 10 Nov 2017 16:14

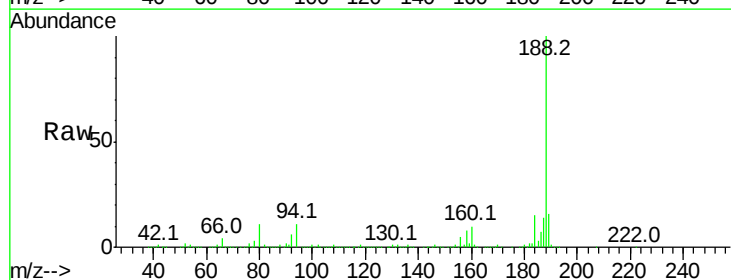
Tgt Ion: 188 Resp: 560540

Ion Ratio Lower Upper

188 100

94 10.7 8.5 12.7

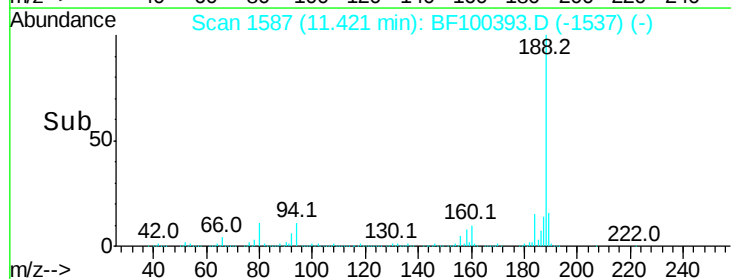
80 11.0 9.2 13.8



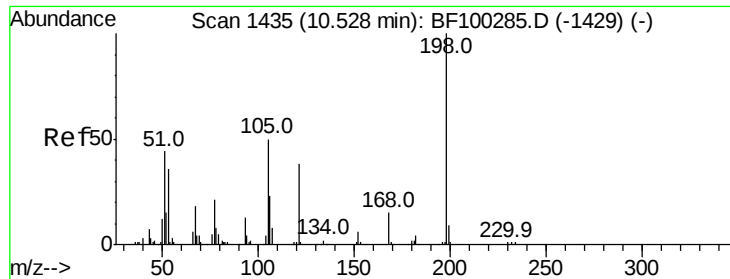
Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



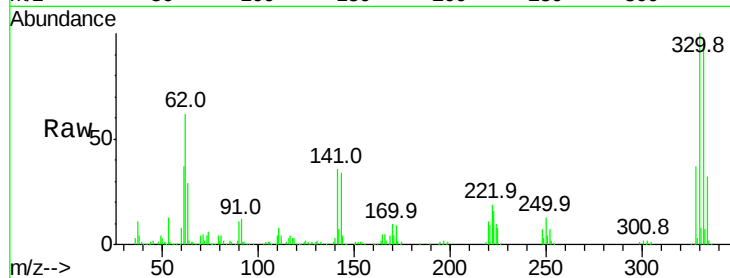
Time-->



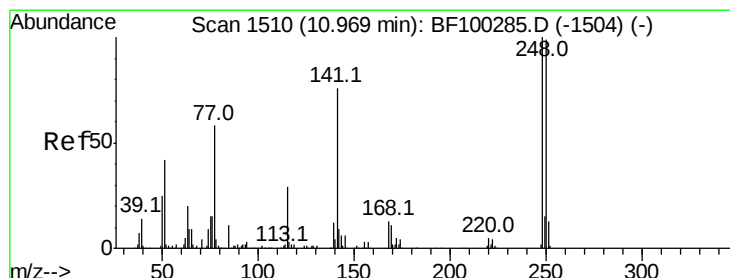
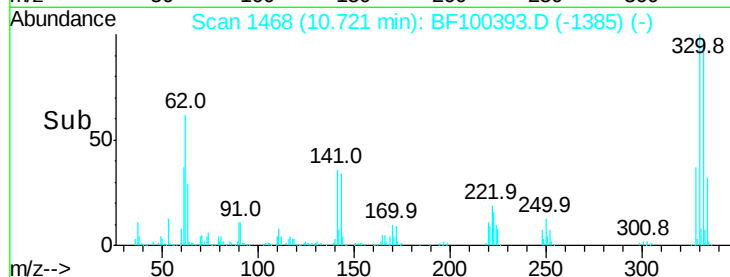
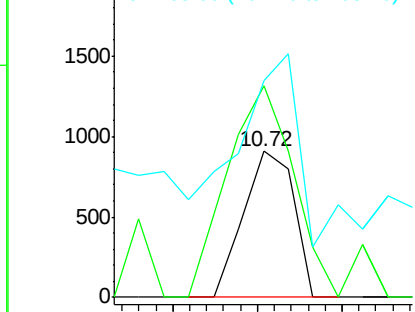
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.789 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.19 min
 Lab File: BF100393.D
 Acq: 10 Nov 2017 16:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 753
 Ion Ratio Lower Upper
 198 100
 51 145.0 37.7 77.7#
 105 148.6 36.3 76.3#

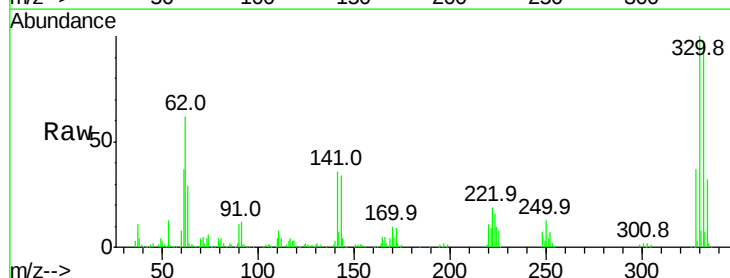


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

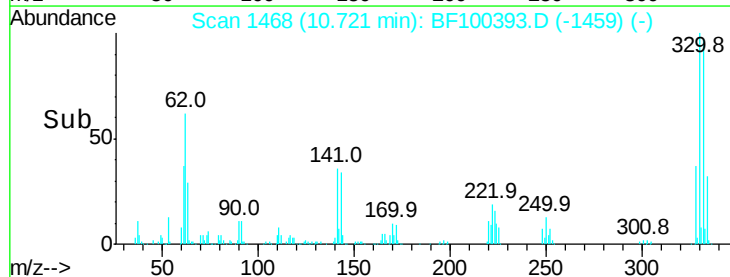
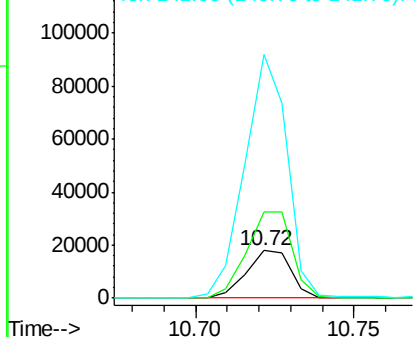


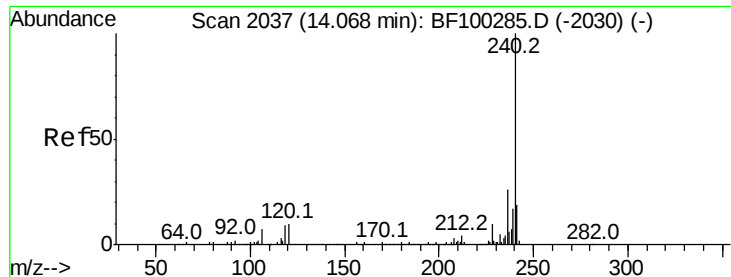
#66
 4-Bromophenyl-phenylether
 Concen: 2.895 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.25 min
 Lab File: BF100393.D
 Acq: 10 Nov 2017 16:14

Tgt Ion:248 Resp: 17394
 Ion Ratio Lower Upper
 248 100
 250 183.8 76.9 115.3#
 141 516.3 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: BF100393.D

Acq: 10 Nov 2017 16:14

Instrument :

BNA_F

ClientSampleId :

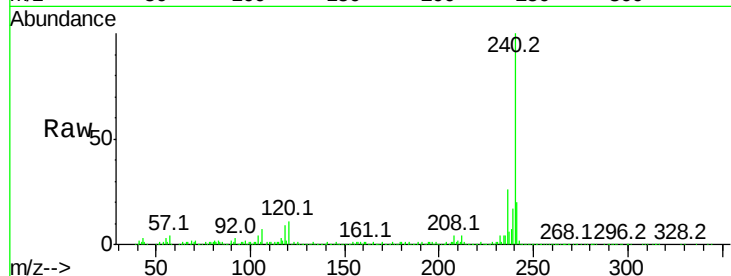
Tot Ion:240 Resp: 349860

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

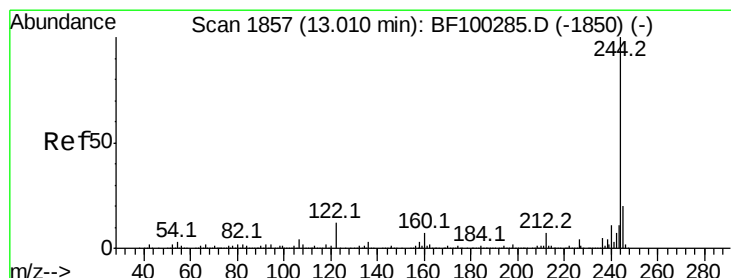
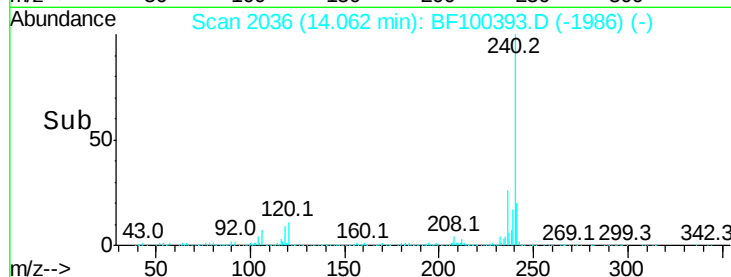
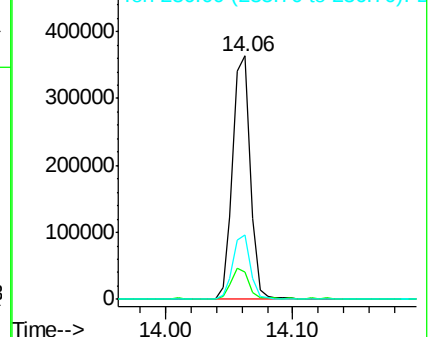
236 26.4 20.7 31.1



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: 67.613 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.00 min

Lab File: BF100393.D

Acq: 10 Nov 2017 16:14

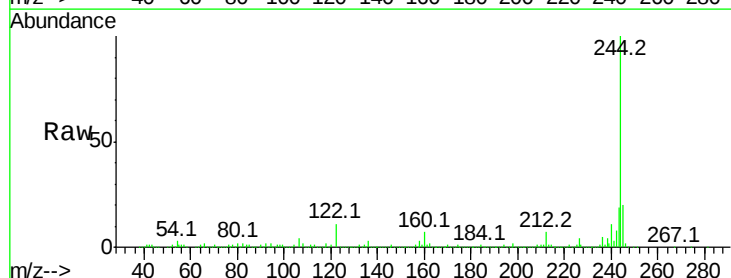
Tgt Ion:244 Resp: 1029511

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

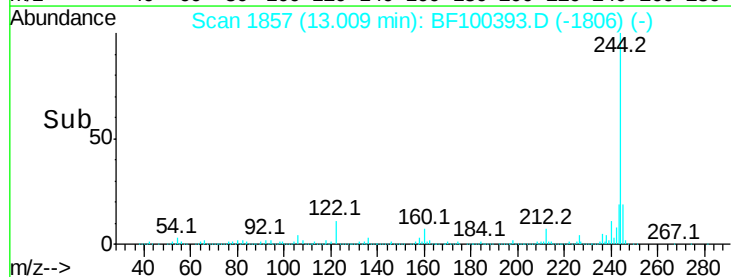
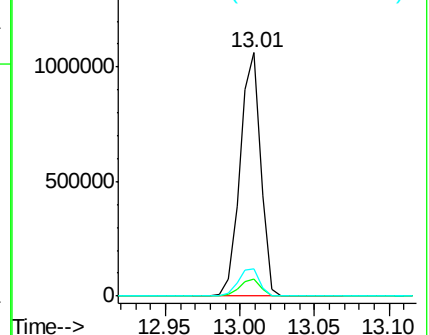
122 11.3 11.0 16.4

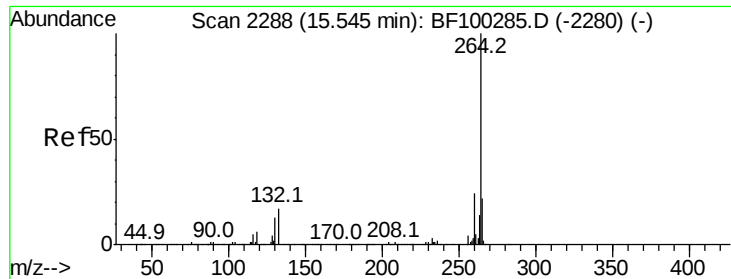


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

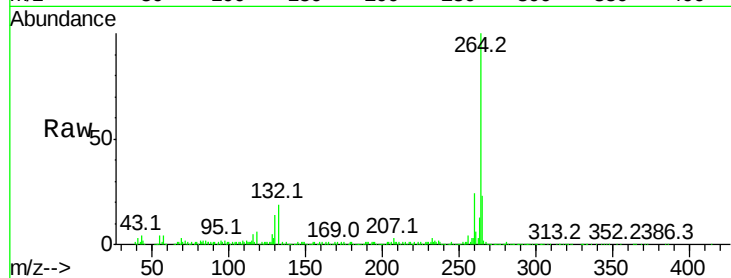




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.00 min
Lab File: BF100393.D
Acq: 10 Nov 2017 16:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.9	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

