

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110917\
 Data File : BF100358.D
 Acq On : 9 Nov 2017 23:17
 Operator : SJ/JU
 Sample : I6304-09 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 10 00:30:01 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

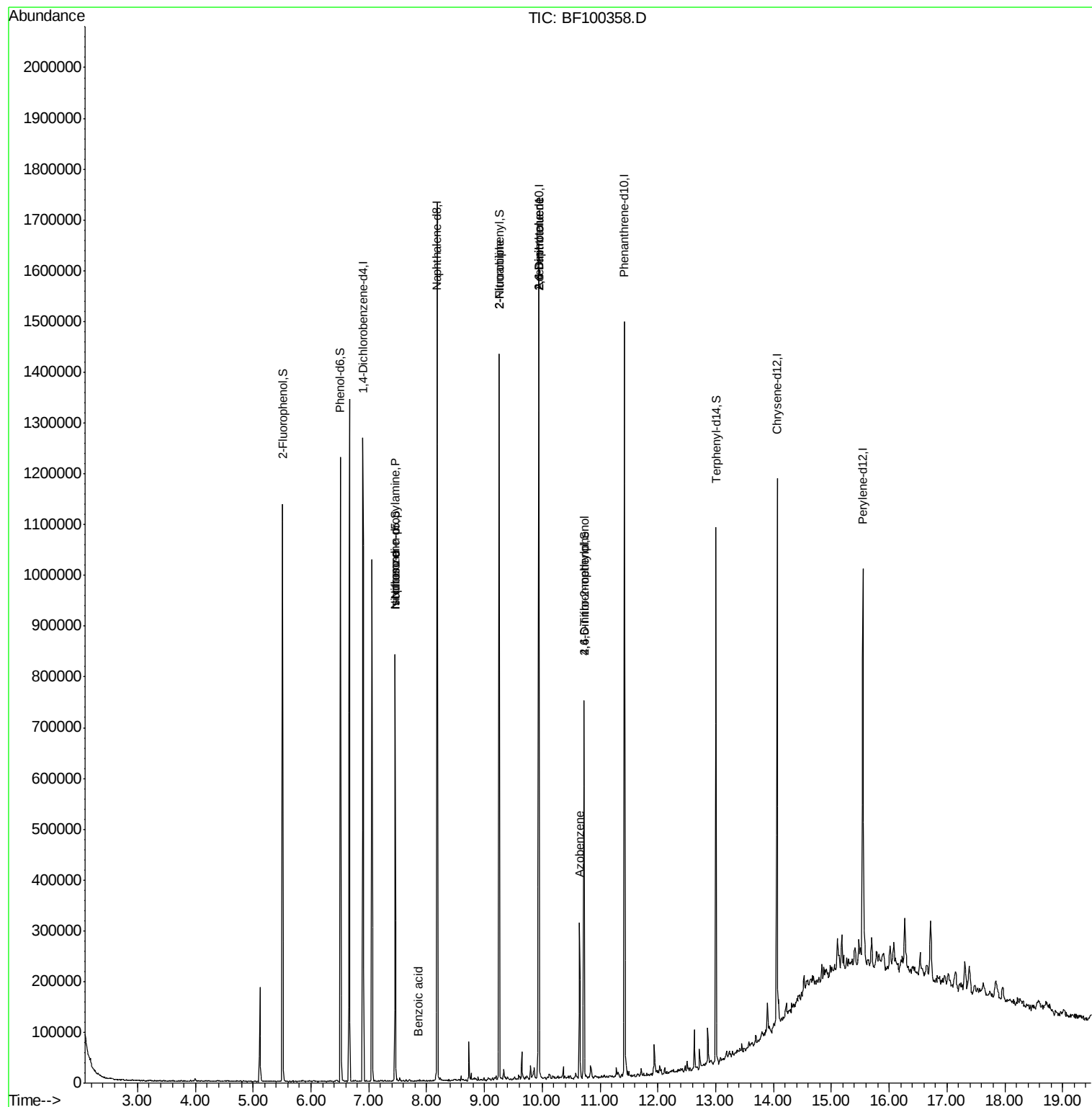
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	182667	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	705684	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	309790	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	511477	20.00	ng	0.00
75) Chrysene-d12	14.06	240	369950	20.00	ng	0.00
86) Perylene-d12	15.54	264	380424	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	310012	27.20	ng	0.00
7) Phenol-d6	6.51	99	377539	26.87	ng	-0.01
23) Nitrobenzene-d5	7.46	82	222126	20.81	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	79944	25.32	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	458772	22.55	ng	0.00
78) Terphenyl-d14	13.00	244	306957	19.06	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	29294	3.006	ng	# 83
25) Isophorone	7.46	82	221975	9.896	ng	# 64
32) Benzoic acid	7.85	122	133	9.385	ng	# 1
47) 2-Nitroaniline	9.26	65	681	2.896	ng	# 1
50) 2,6-Dinitrotoluene	9.94	165	39897	8.521	ng	# 26
56) 2,4-Dinitrotoluene	9.94	165	39897	6.755	ng	# 23
62) Azobenzene	10.65	77	45792	2.054	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.72	198	115	8.607	ng	# 1

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

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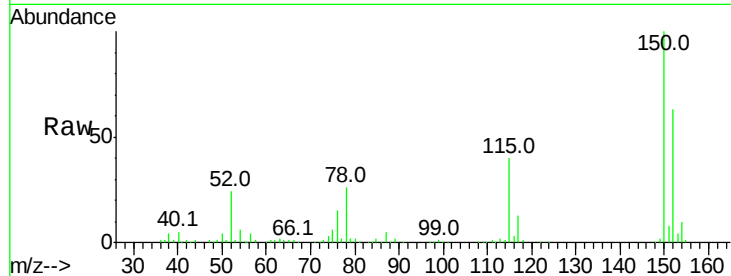


#1

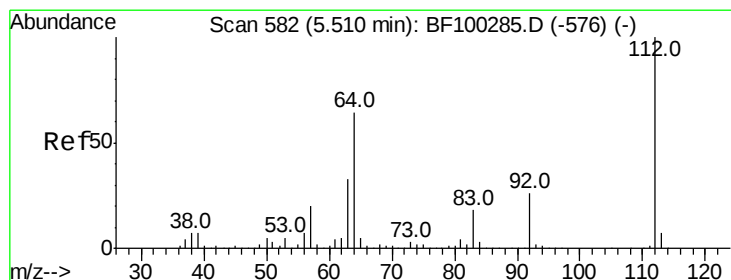
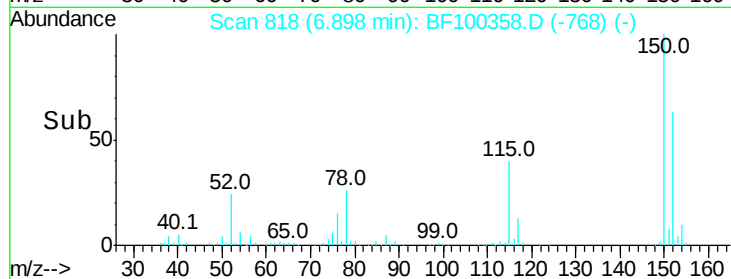
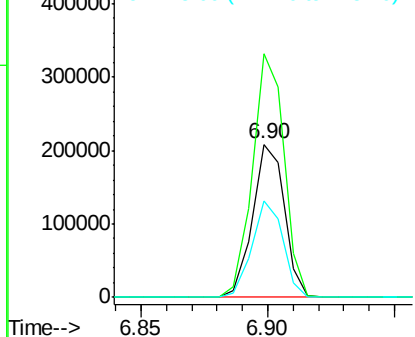
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF100358.D
Acq: 9 Nov 2017 23:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 182667
Ion Ratio Lower Upper
152 100
150 159.1 124.6 186.8
115 63.4 50.1 75.1



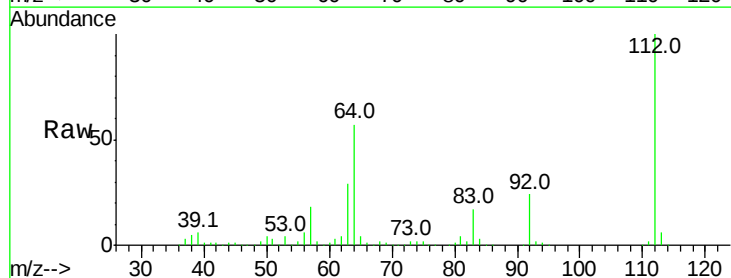
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



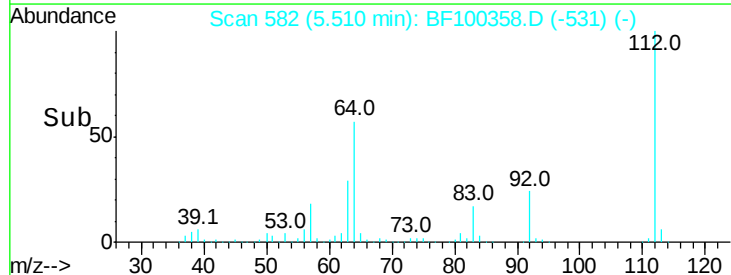
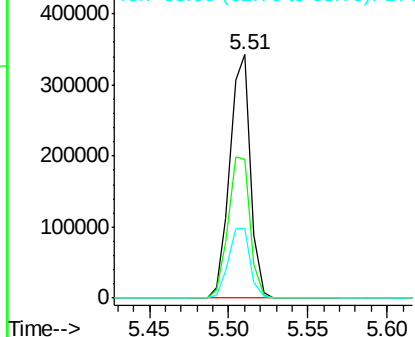
#5

2-Fluorophenol
Concen: 27.205 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.00 min
Lab File: BF100358.D
Acq: 9 Nov 2017 23:17

Tgt Ion:112 Resp: 310012
Ion Ratio Lower Upper
112 100
64 56.8 47.9 71.9
63 28.7 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: 26.867 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF100358.D

Acq: 9 Nov 2017 23:17

Instrument :

BNA_F

ClientSampled :

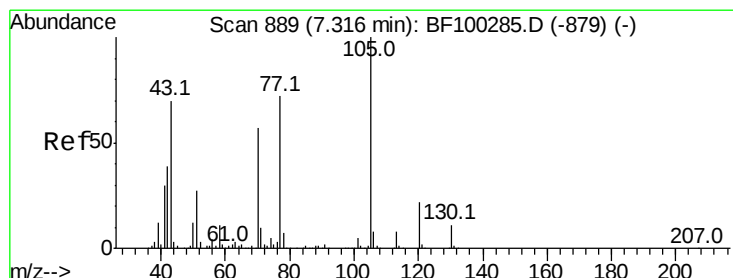
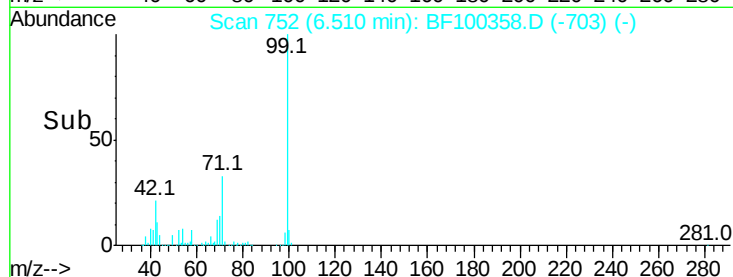
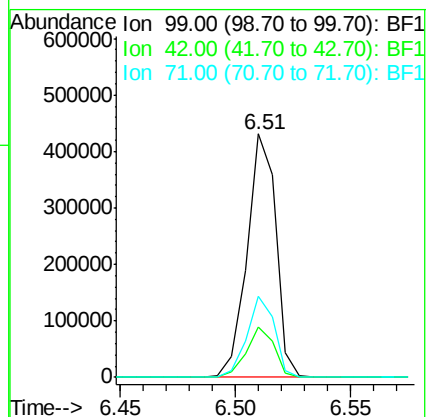
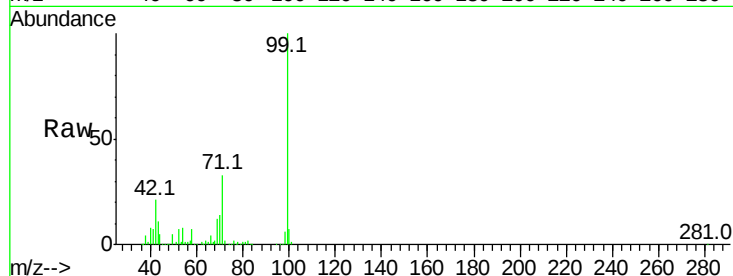
Tot Ion: 99 Resp: 377539

Ion Ratio Lower Upper

99 100

42 20.9 14.5 21.7

71 33.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 3.006 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.14 min

Lab File: BF100358.D

Acq: 9 Nov 2017 23:17

Tgt Ion: 70 Resp: 29294

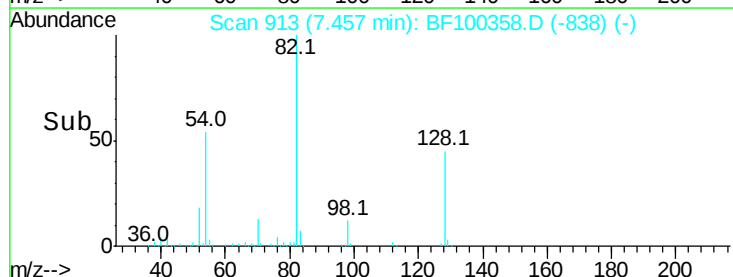
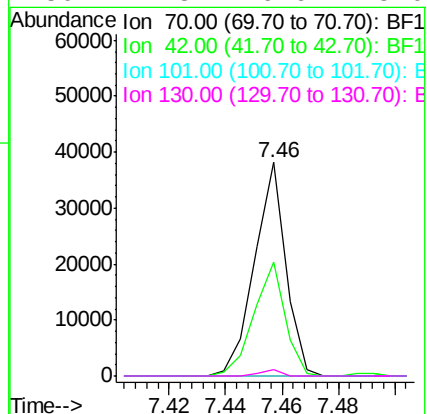
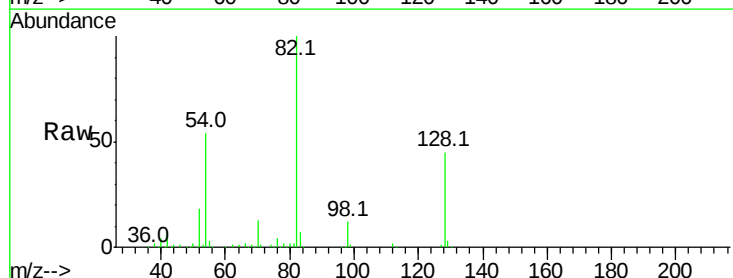
Ion Ratio Lower Upper

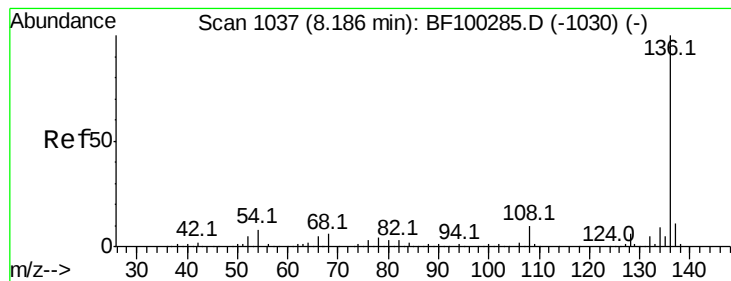
70 100

42 53.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.8 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF100358.D

Acq: 9 Nov 2017 23:17

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 705684

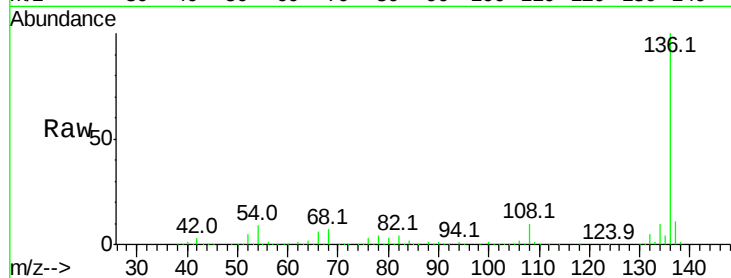
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.1 6.6 9.8

68 7.0 5.0 7.4

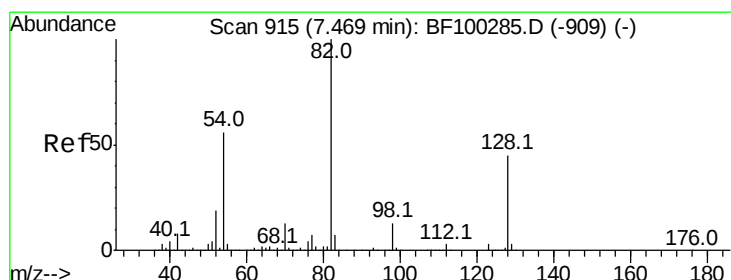
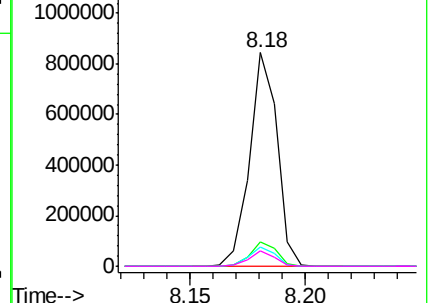
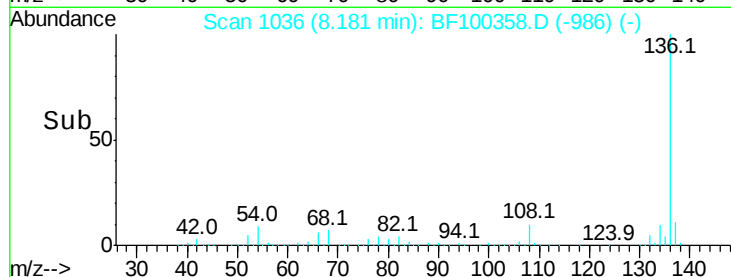


Abundance Ion 136.00 (135.70 to 136.70): E

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: 20.810 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF100358.D

Acq: 9 Nov 2017 23:17

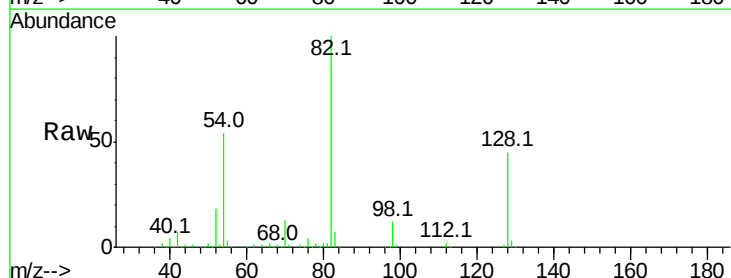
Tgt Ion: 82 Resp: 222126

Ion Ratio Lower Upper

82 100

128 44.6 36.1 54.1

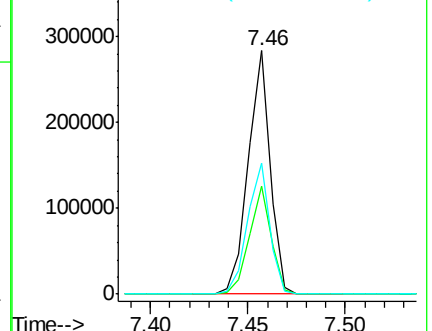
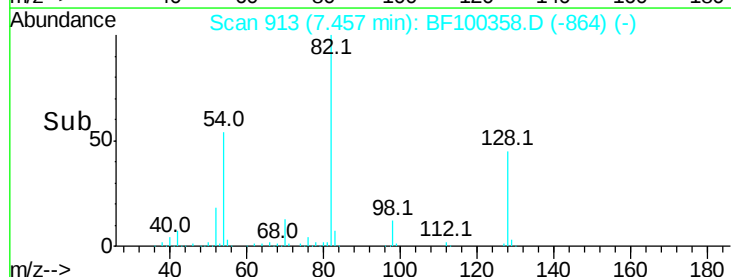
54 53.9 41.4 62.2

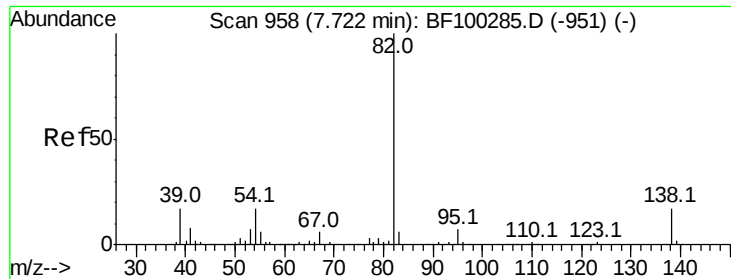


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 9.896 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.27 min

Lab File: BF100358.D

Acq: 9 Nov 2017 23:17

Instrument :

BNA_F

ClientSampleId :

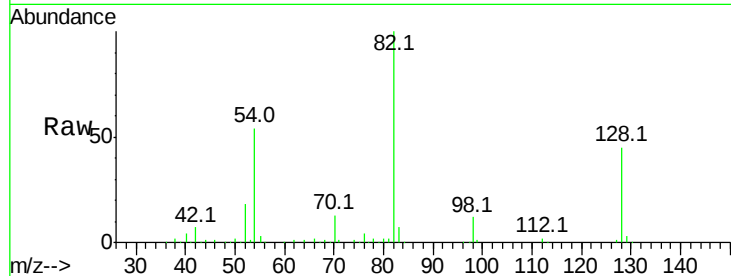
Tot Ion: 82 Resp: 221975

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

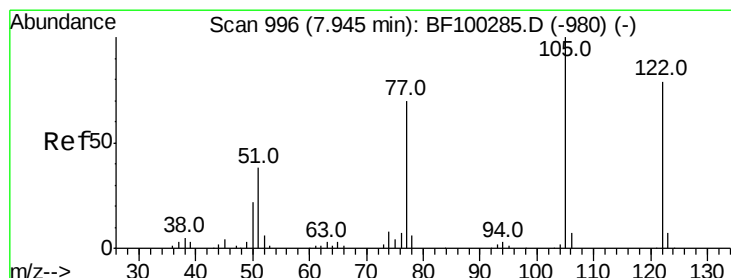
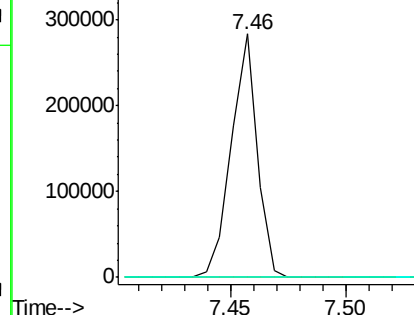
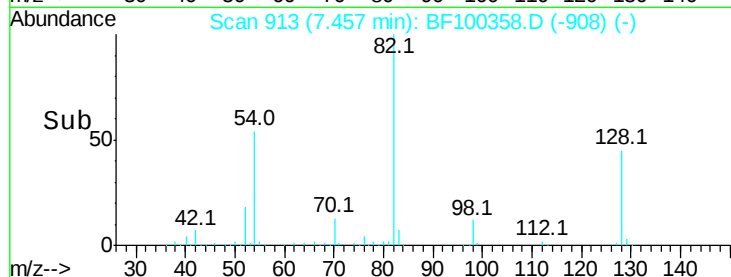
138 0.0 14.9 22.3#



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: 9.385 ng

RT: 7.85 min Scan# 979

Delta R.T. -0.11 min

Lab File: BF100358.D

Acq: 9 Nov 2017 23:17

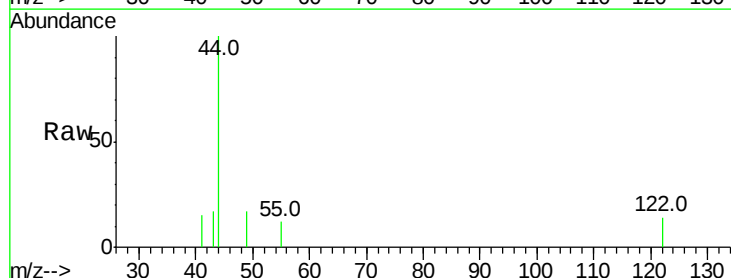
Tgt Ion: 122 Resp: 133

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

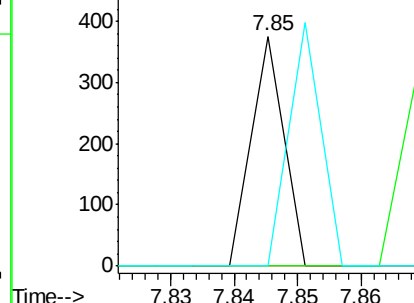
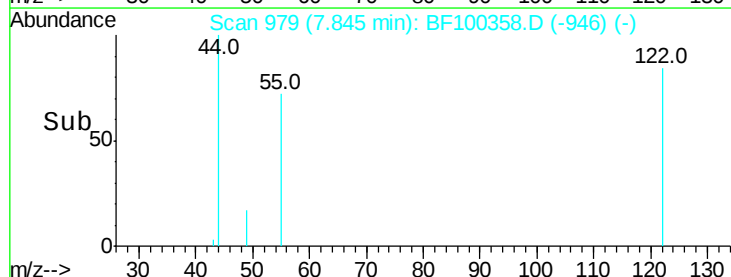
77 0.0 70.7 110.7#

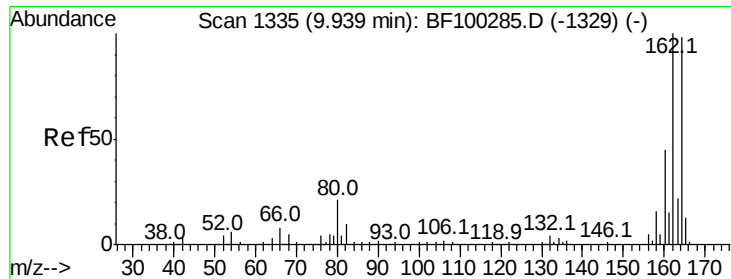


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

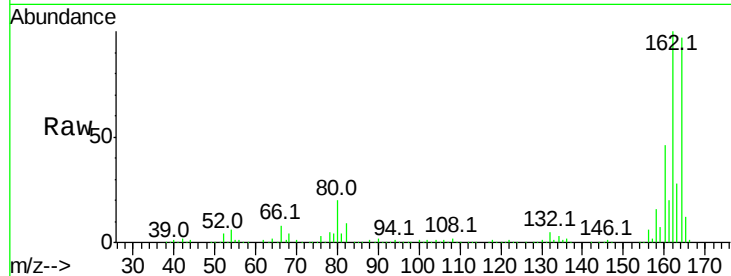




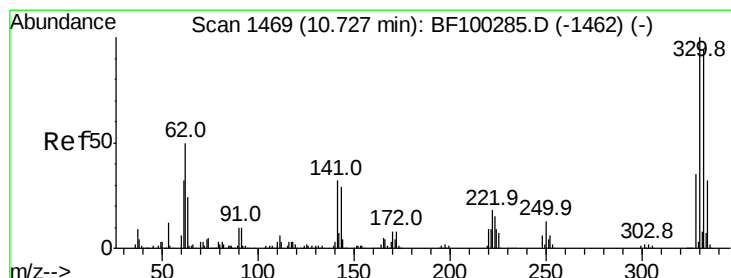
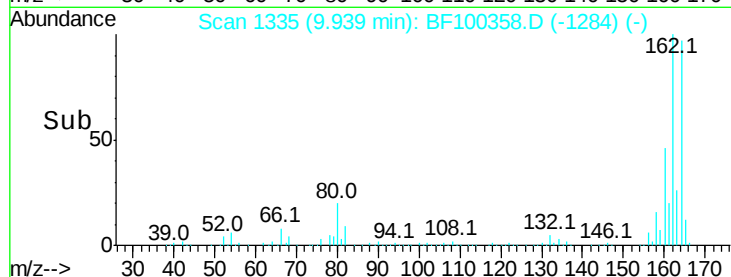
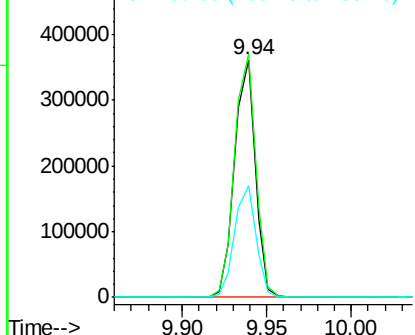
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.00 min
Lab File: BF100358.D
Acq: 9 Nov 2017 23:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.6	86.1	129.1
160	47.1	38.3	57.5

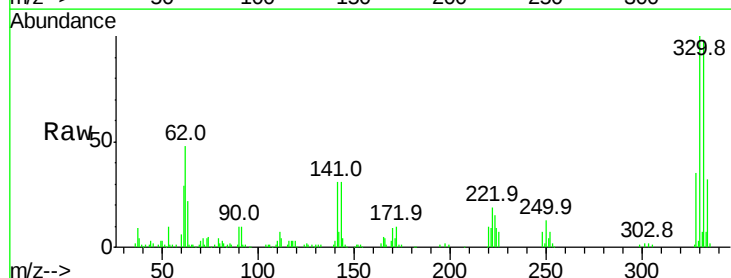


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

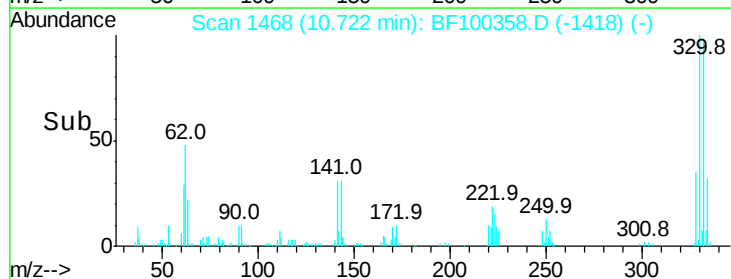
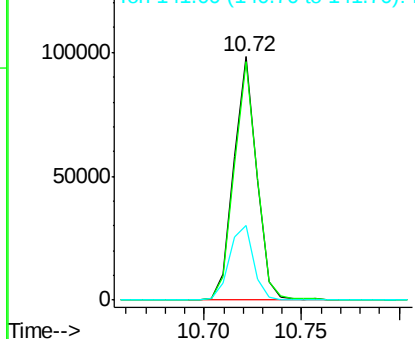


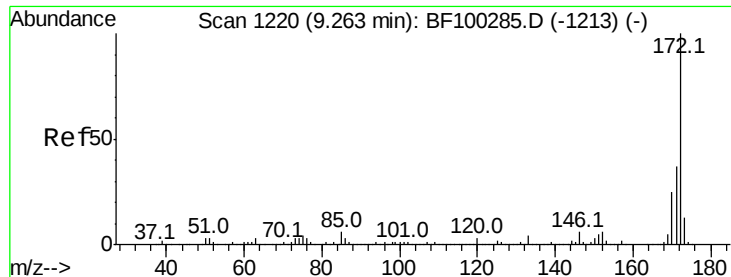
#41
2,4,6-Tribromophenol
Concen: 25.325 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.01 min
Lab File: BF100358.D
Acq: 9 Nov 2017 23:17

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	32.4	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

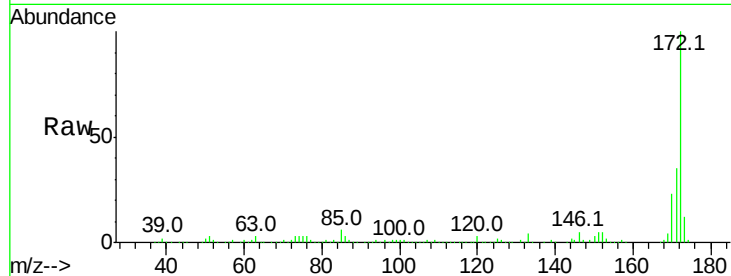




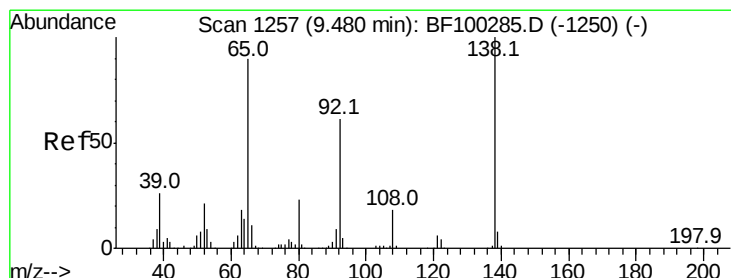
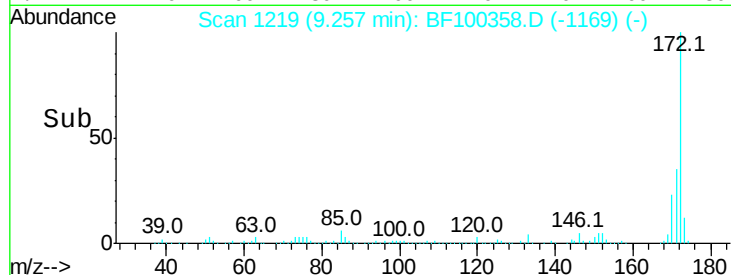
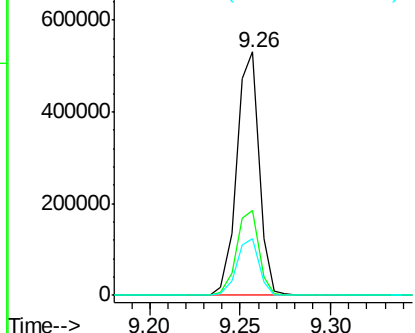
#44
2-Fluorobiphenyl
Concen: 22.550 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.01 min
Lab File: BF100358.D
Acq: 9 Nov 2017 23:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 458772
Ion Ratio Lower Upper
172 100
171 35.1 29.7 44.5
170 23.2 19.6 29.4

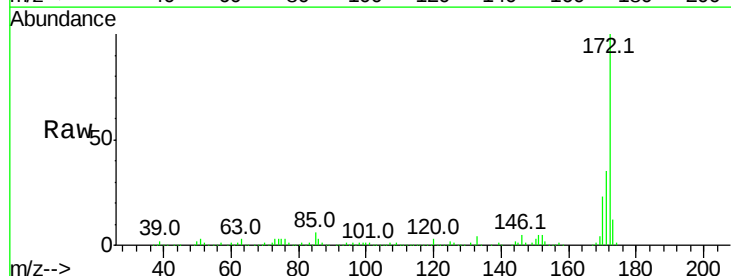


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

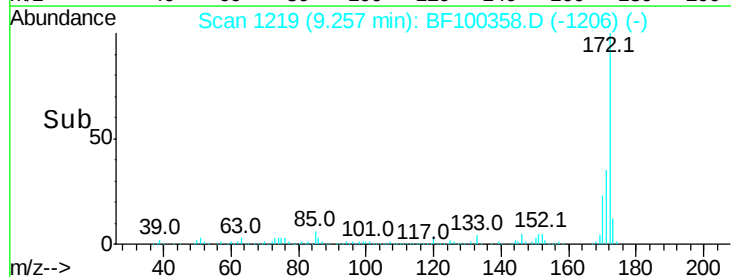
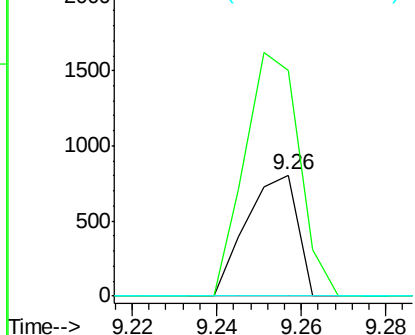


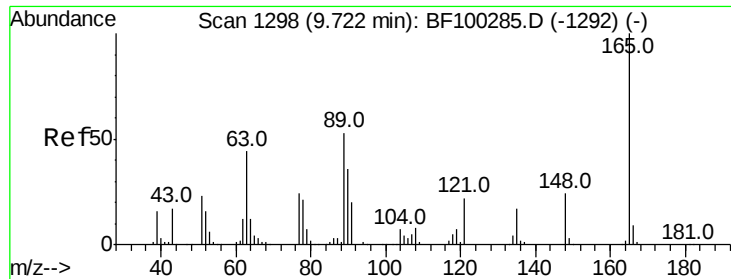
#47
2-Nitroaniline
Concen: 2.896 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.22 min
Lab File: BF100358.D
Acq: 9 Nov 2017 23:17

Tgt Ion: 65 Resp: 681
Ion Ratio Lower Upper
65 100
92 186.7 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

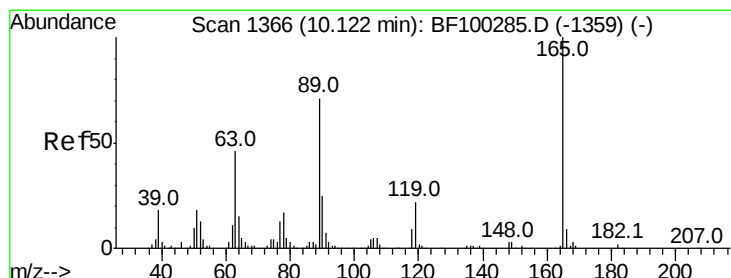
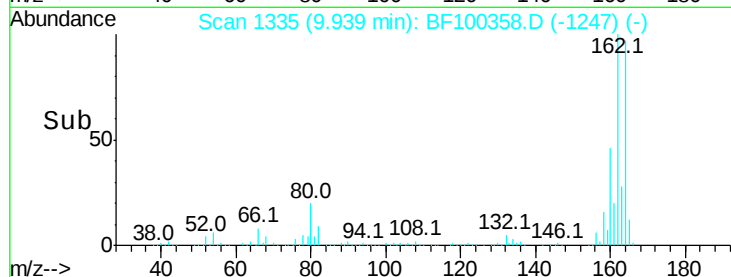
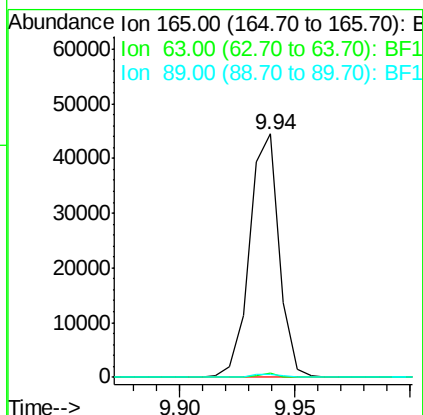
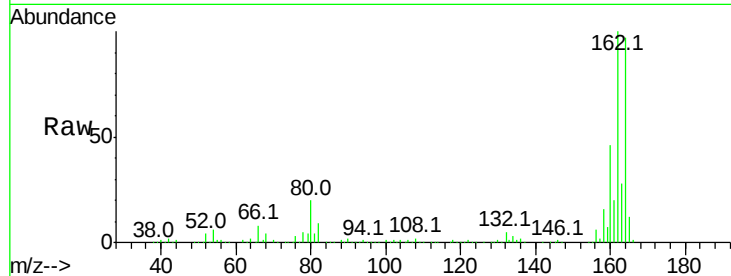




#50
 2,6-Dinitrotoluene
 Concen: 8.521 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.22 min
 Lab File: BF100358.D
 Acq: 9 Nov 2017 23:17

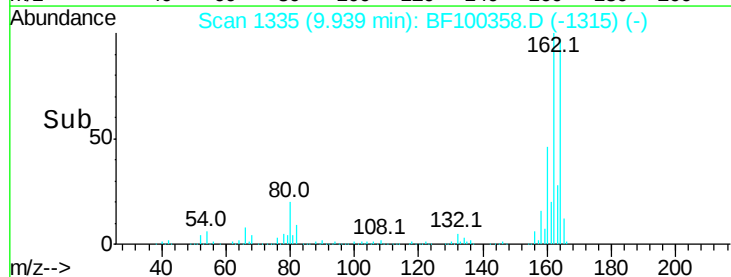
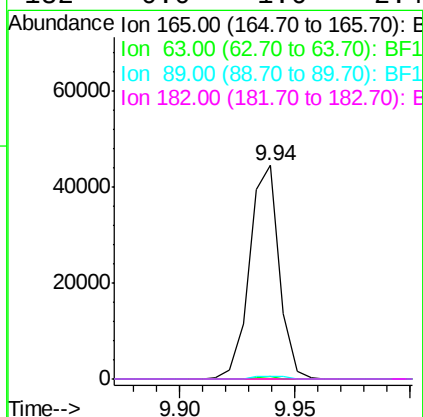
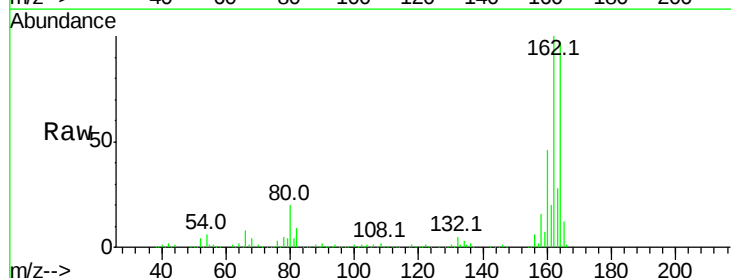
Instrument :
 BNA_F
 ClientSampleId :

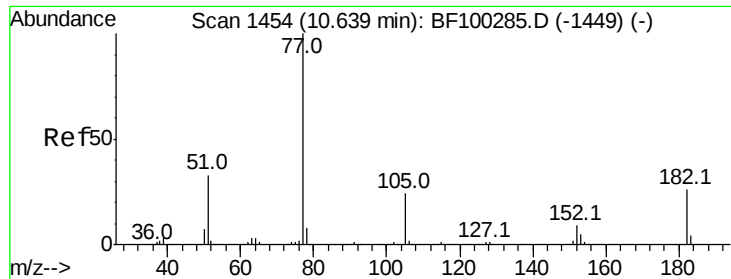
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.4	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.755 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.18 min
 Lab File: BF100358.D
 Acq: 9 Nov 2017 23:17

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

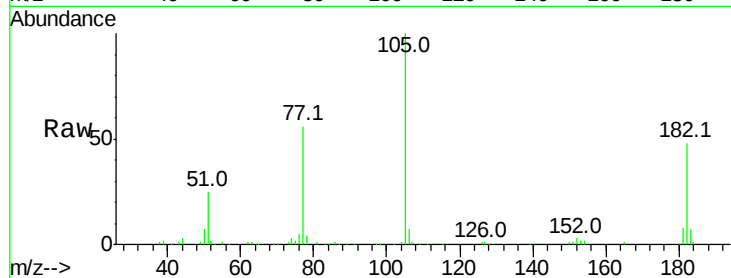




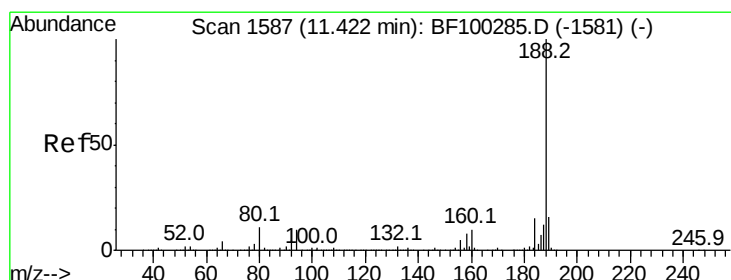
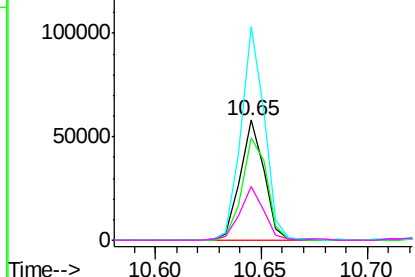
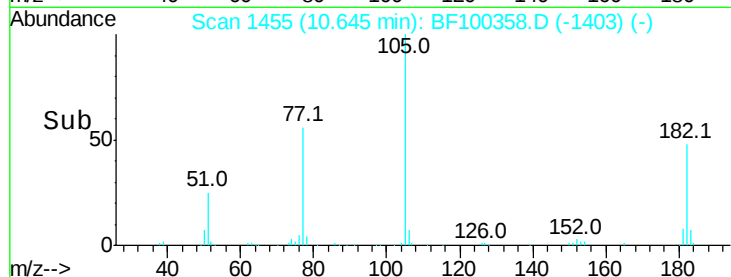
#62
Azobenzene
Concen: 2.054 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.01 min
Lab File: BF100358.D
Acq: 9 Nov 2017 23:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 77 Resp: 45792
Ion Ratio Lower Upper
77 100
182 85.5 1.7 41.7#
105 178.2 3.0 43.0#
51 45.2 9.9 49.9

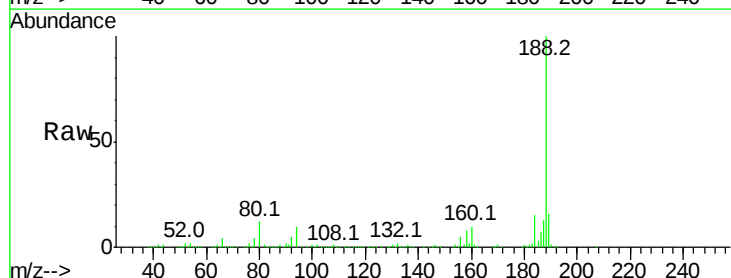


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

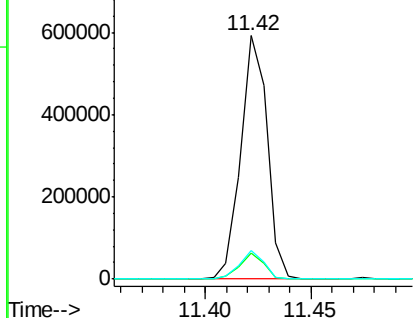
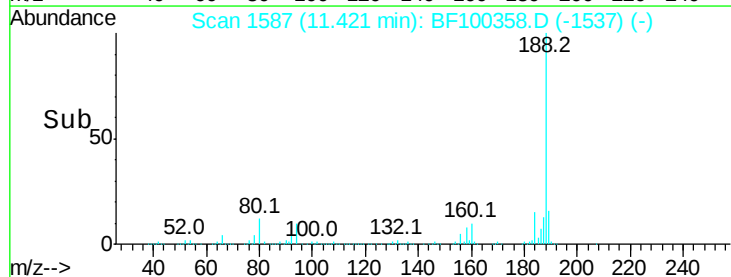


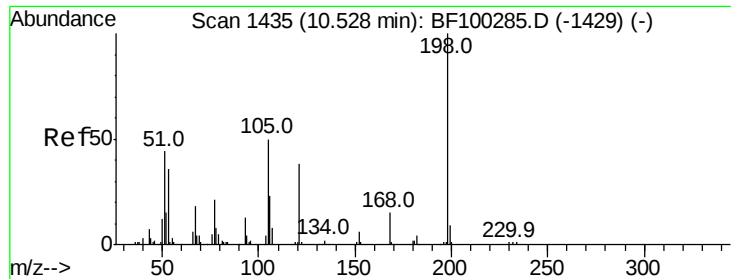
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF100358.D
Acq: 9 Nov 2017 23:17

Tgt Ion: 188 Resp: 511477
Ion Ratio Lower Upper
188 100
94 10.5 8.5 12.7
80 11.6 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
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: 8.607 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.18 min

Lab File: BF100358.D

Acq: 9 Nov 2017 23:17

Instrument :

BNA_F

ClientSampleId :

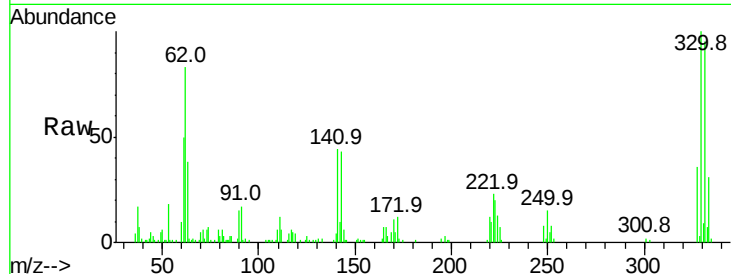
Tot Ion:198 Resp: 115

Ion Ratio Lower Upper

198 100

51 172.8 37.7 77.7#

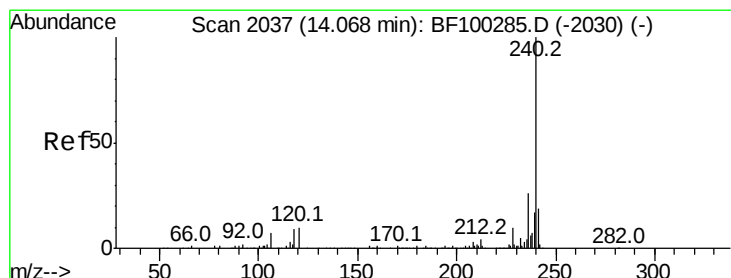
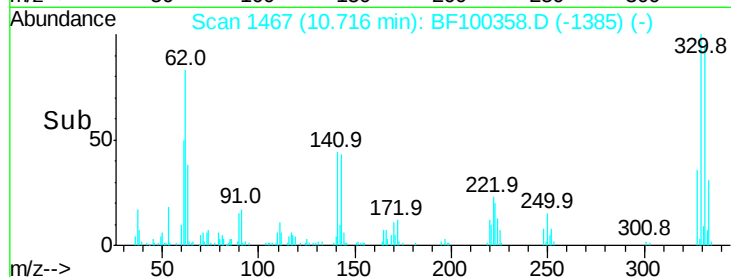
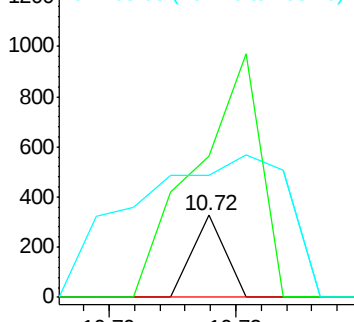
105 148.6 36.3 76.3#



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF100358.D

Acq: 9 Nov 2017 23:17

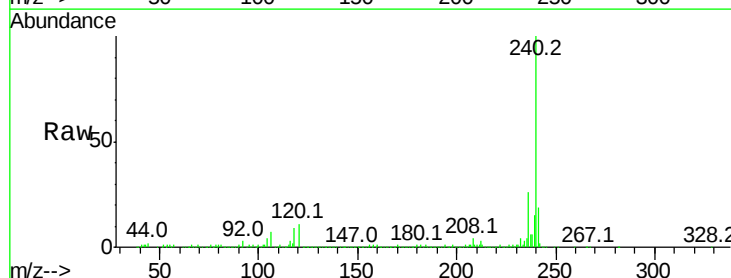
Tgt Ion:240 Resp: 369950

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

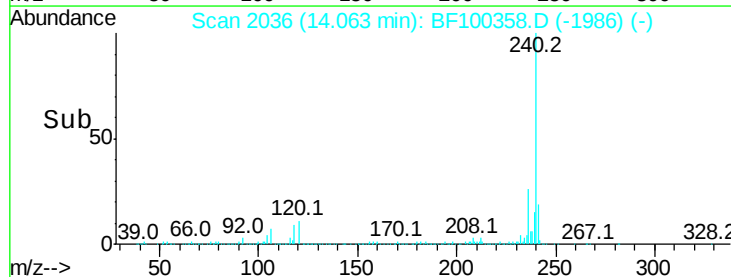
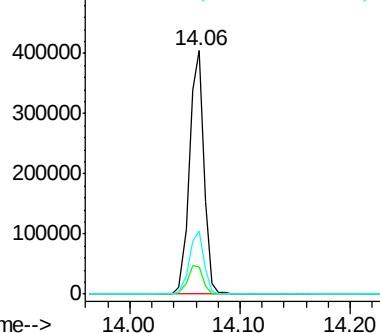
236 26.0 20.7 31.1

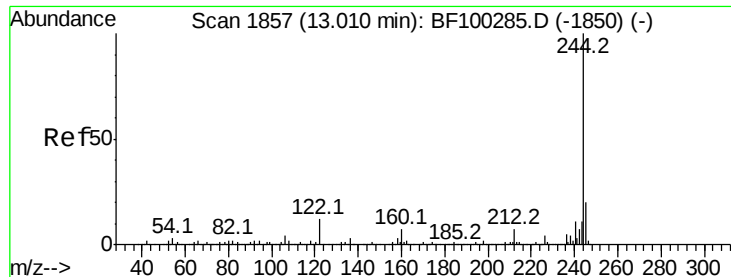


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 19.065 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF100358.D

Acq: 9 Nov 2017 23:17

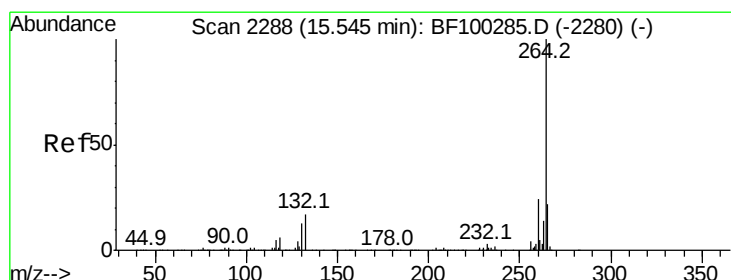
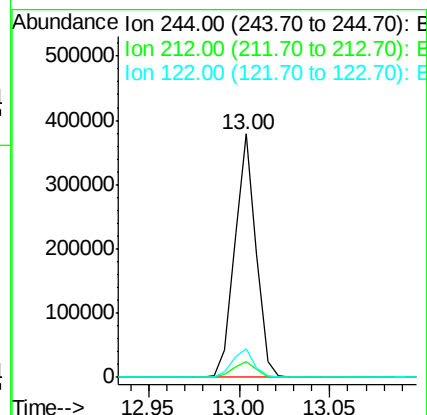
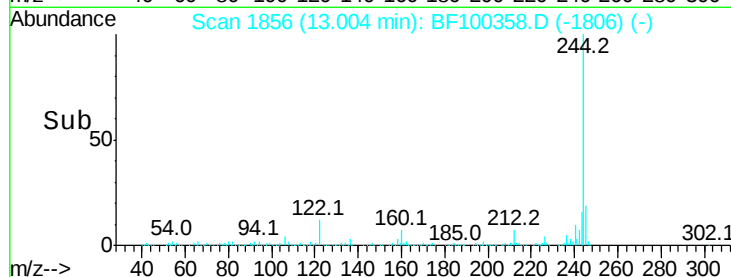
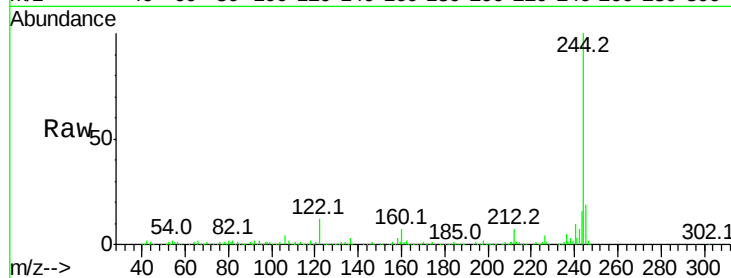
Instrument :

BNA_F

ClientSampled :

Tot Ion:244 Resp: 306957

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	11.7	11.0	16.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. 0.00 min

Lab File: BF100358.D

Acq: 9 Nov 2017 23:17

Tgt Ion:264 Resp: 380424

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.9	17.5	26.3

