

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111017\
 Data File : BF100391.D
 Acq On : 10 Nov 2017 15:20
 Operator : SJ/JU
 Sample : I6382-20
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 10 16:17:52 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

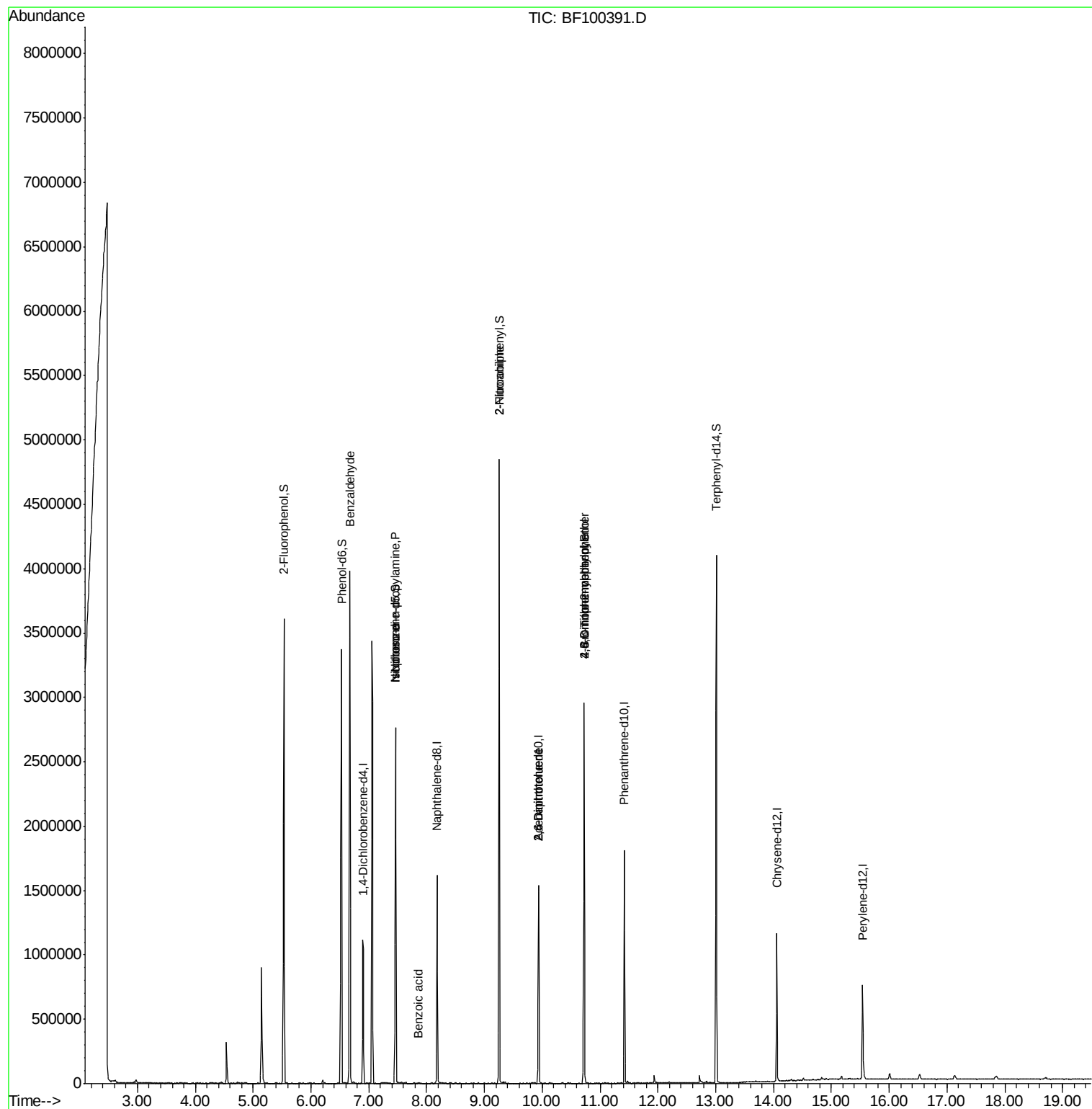
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	164161	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	663553	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	314562	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	614558	20.00	ng	0.00
75) Chrysene-d12	14.06	240	416427	20.00	ng	-0.01
86) Perylene-d12	15.54	264	365301	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1090623	106.50	ng	0.02
7) Phenol-d6	6.53	99	1198523	94.91	ng	0.00
23) Nitrobenzene-d5	7.46	82	980181	97.66	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	407330	127.08	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1700599	82.32	ng	0.00
78) Terphenyl-d14	13.01	244	1636904	90.32	ng	0.00
Target Compounds						
9) Benzaldehyde	6.67	77	25632	2.842	ng	81
19) n-Nitroso-di-n-propylamine	7.46	70	132036	15.076	ng	# 82
25) Isophorone	7.46	82	977674	46.355	ng	# 64
32) Benzoic acid	7.85	122	465	9.422	ng	86
47) 2-Nitroaniline	9.26	65	2835	3.242	ng	# 5
50) 2,6-Dinitrotoluene	9.93	165	40727	8.567	ng	# 25
56) 2,4-Dinitrotoluene	9.93	165	40727	6.791	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.73	198	815	8.786	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	24574	3.730	ng	# 1

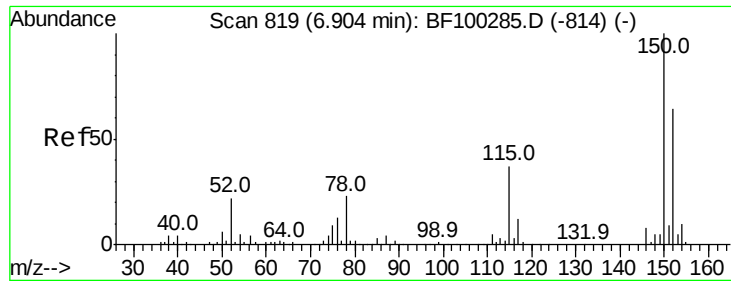
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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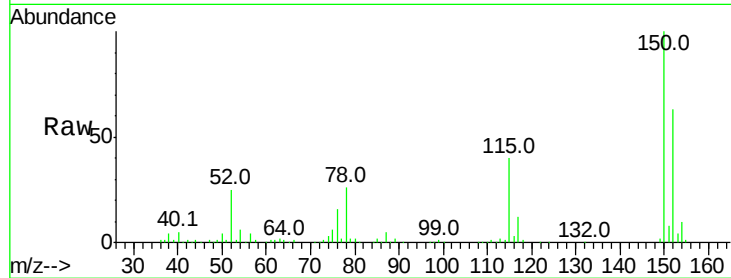


#1

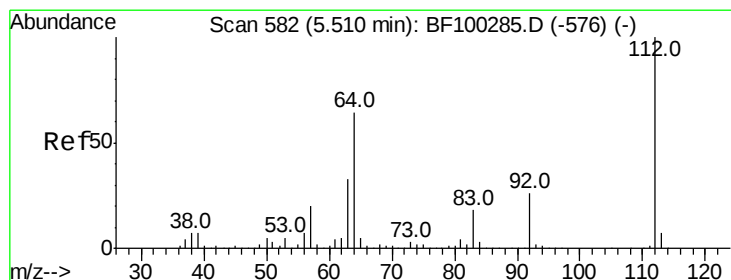
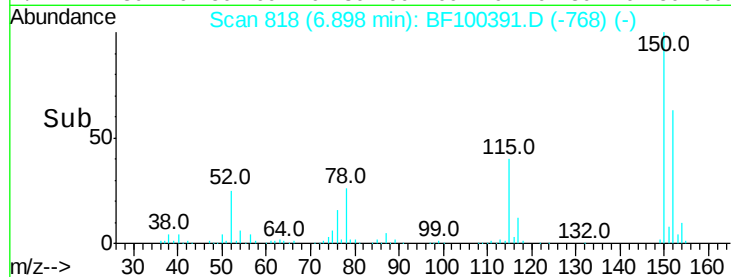
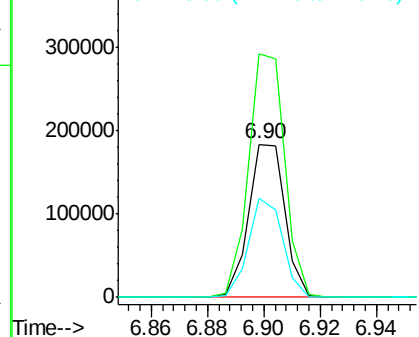
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF100391.D
Acq: 10 Nov 2017 15:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 164161
Ion Ratio Lower Upper
152 100
150 159.2 124.6 186.8
115 64.3 50.1 75.1



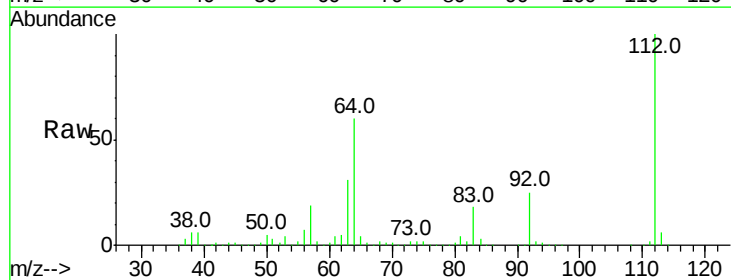
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



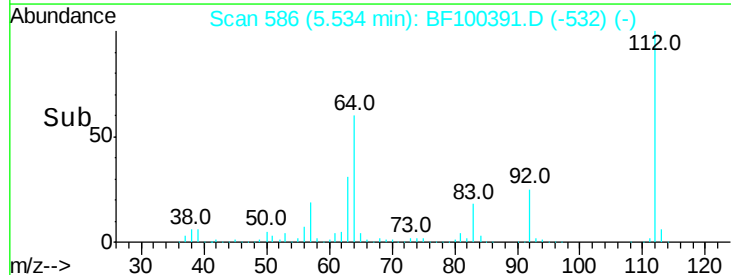
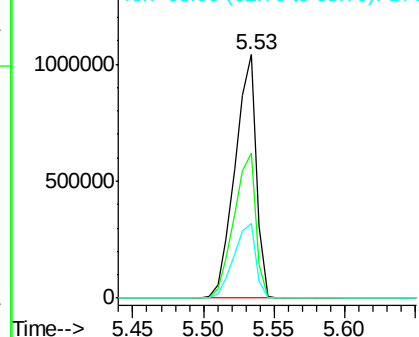
#5

2-Fluorophenol
Concen: 106.496 ng
RT: 5.53 min Scan# 586
Delta R.T. 0.02 min
Lab File: BF100391.D
Acq: 10 Nov 2017 15:20

Tgt Ion:112 Resp: 1090623
Ion Ratio Lower Upper
112 100
64 59.7 47.9 71.9
63 30.9 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: 94.907 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.00 min

Lab File: BF100391.D

Acq: 10 Nov 2017 15:20

Instrument :

BNA_F

ClientSampleId :

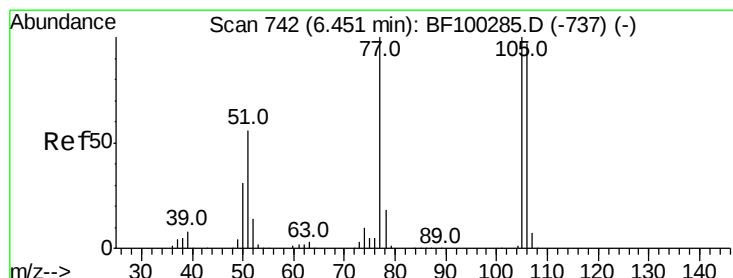
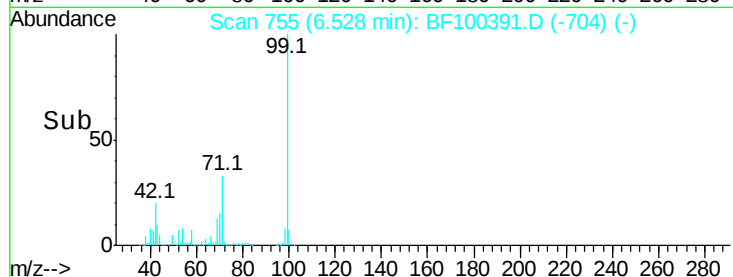
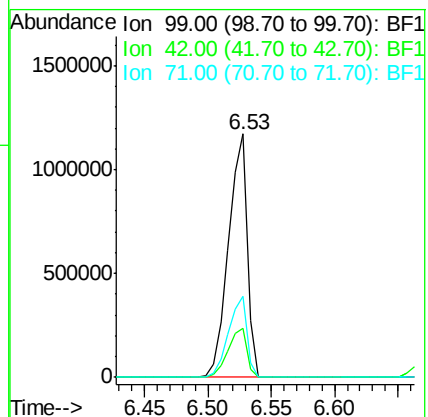
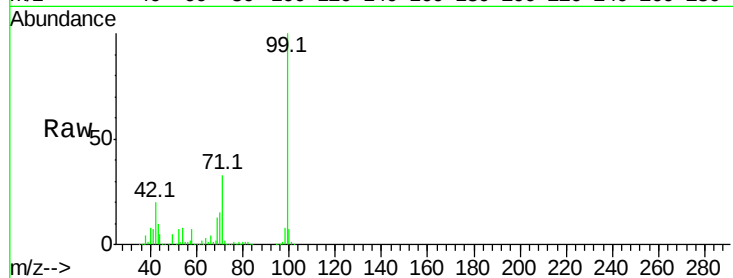
Tot Ion: 99 Resp: 1198523

Ion Ratio Lower Upper

99 100

42 20.1 14.5 21.7

71 33.4 25.4 38.0



#9

Benzaldehyde

Concen: 2.842 ng

RT: 6.67 min Scan# 780

Delta R.T. 0.22 min

Lab File: BF100391.D

Acq: 10 Nov 2017 15:20

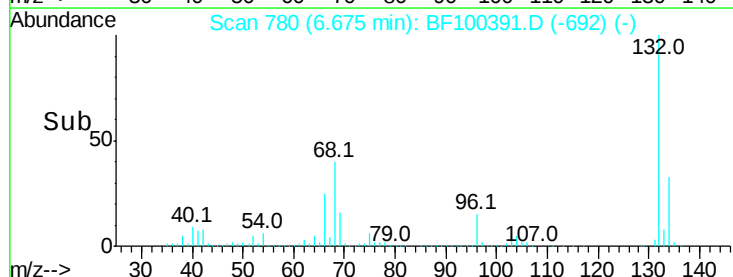
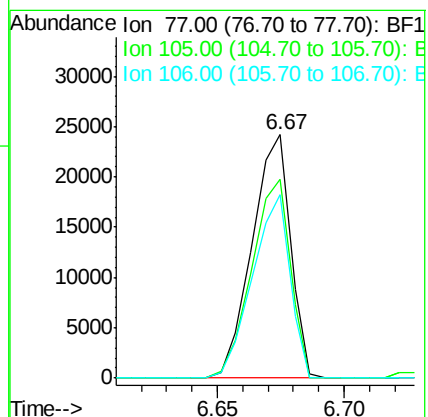
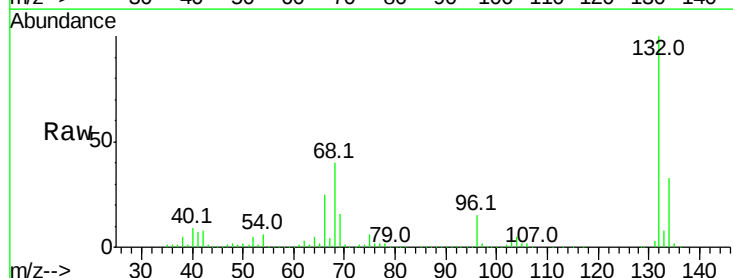
Tgt Ion: 77 Resp: 25632

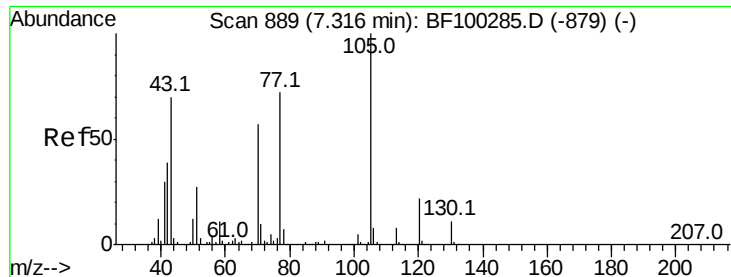
Ion Ratio Lower Upper

77 100

105 81.9 81.1 121.1

106 75.2 74.5 114.5





#19

n-Nitroso-di-n-propylamine

Concen: 15.076 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.15 min

Lab File: BF100391.D

Acq: 10 Nov 2017 15:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 132036

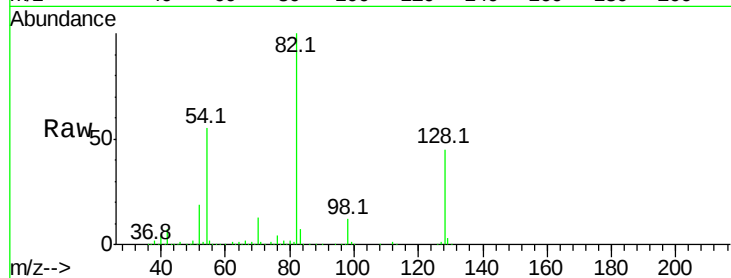
Ion Ratio Lower Upper

70 100

42 52.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

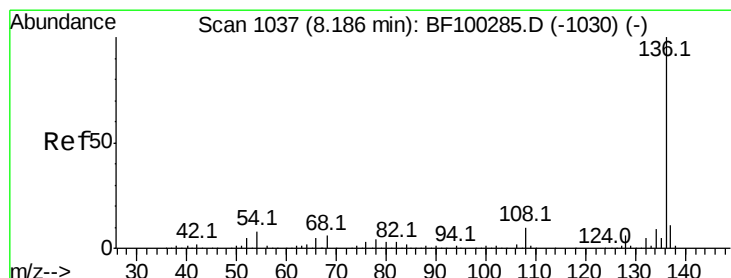
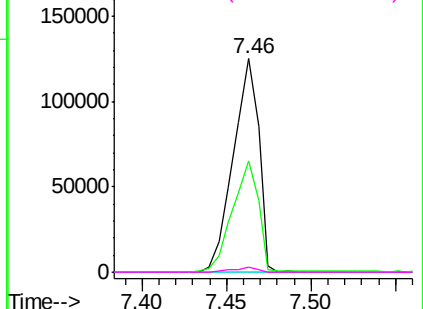
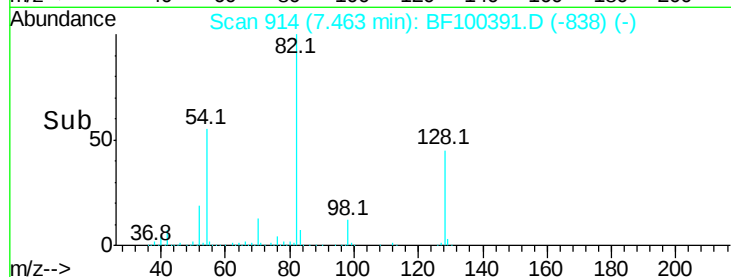


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF100391.D

Acq: 10 Nov 2017 15:20

Tgt Ion:136 Resp: 663553

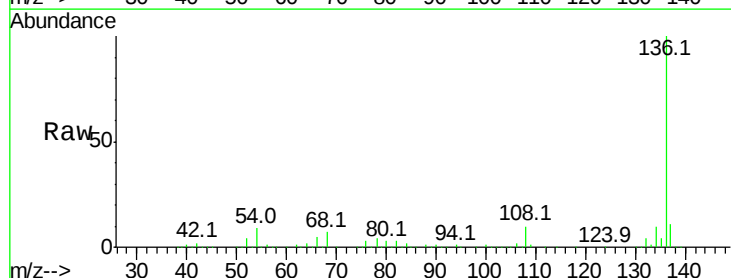
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.8 6.6 9.8

68 6.8 5.0 7.4

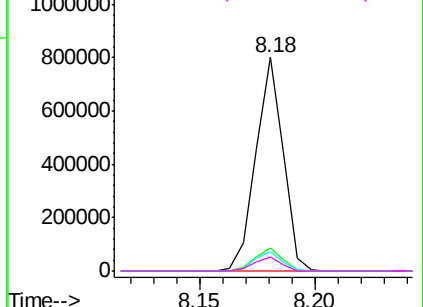
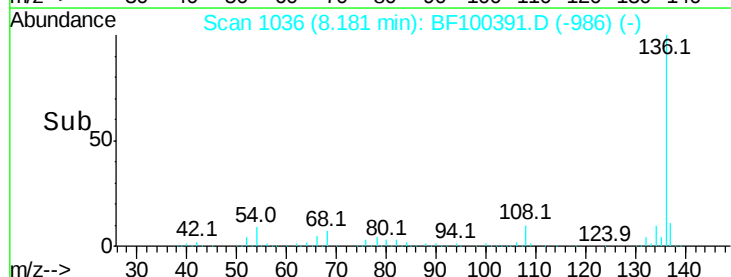


Abundance Ion 136.00 (135.70 to 136.70): BF1

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: 97.661 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.01 min

Lab File: BF100391.D

Acq: 10 Nov 2017 15:20

Instrument :

BNA_F

ClientSampleId :

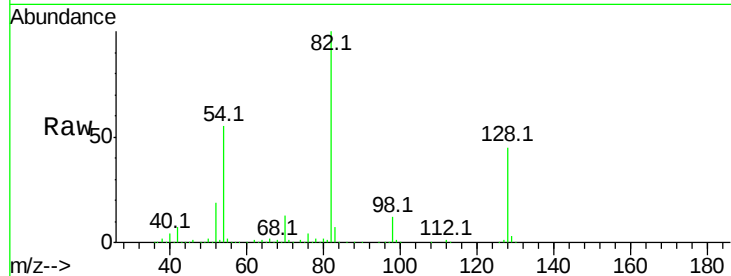
Tot Ion: 82 Resp: 980181

Ion Ratio Lower Upper

82 100

128 44.9 36.1 54.1

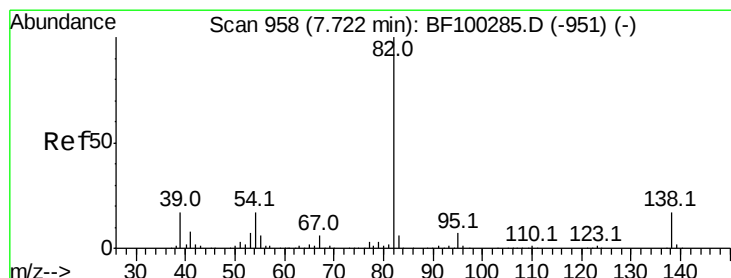
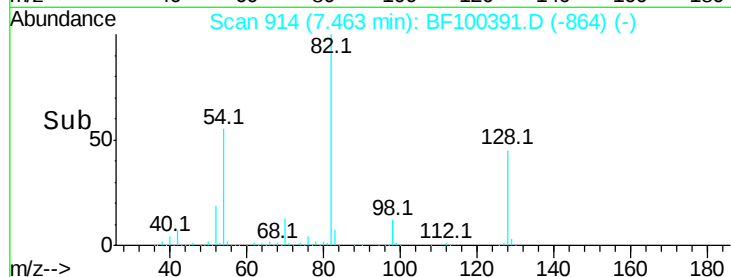
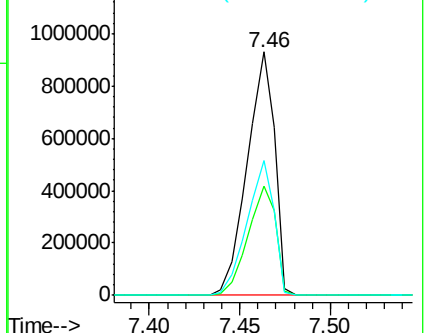
54 55.1 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 46.355 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.26 min

Lab File: BF100391.D

Acq: 10 Nov 2017 15:20

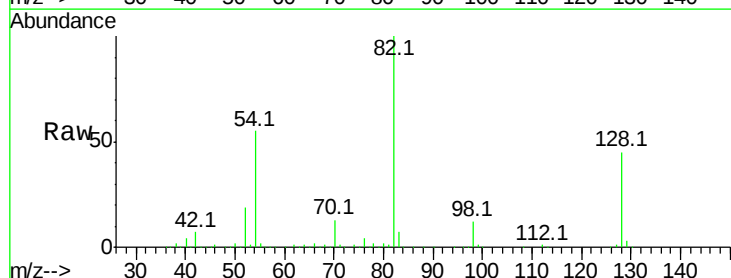
Tgt Ion: 82 Resp: 977674

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

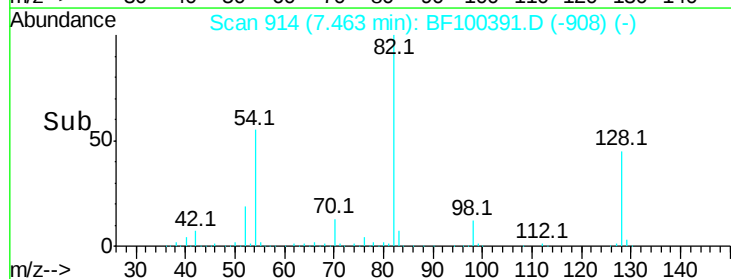
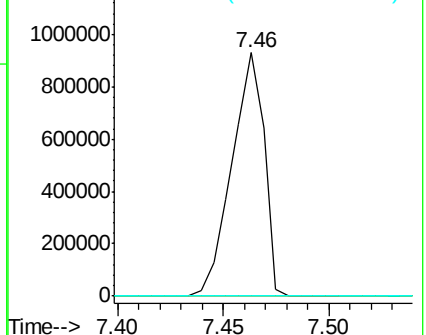
138 0.0 14.9 22.3#

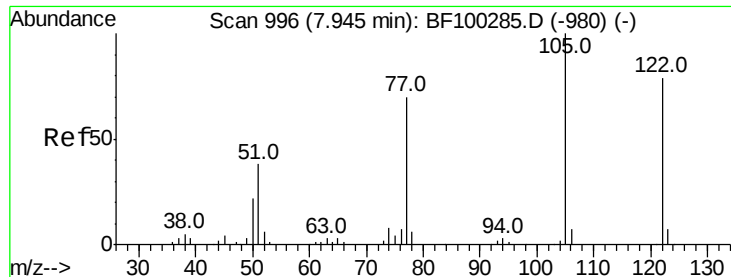


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

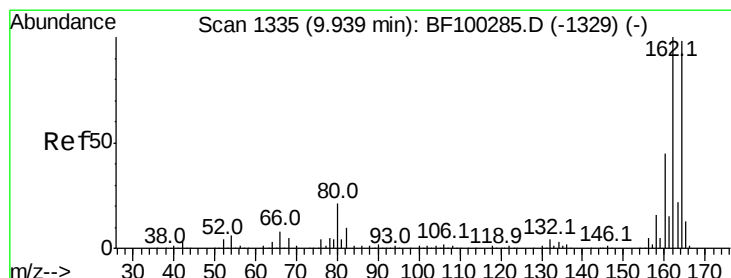
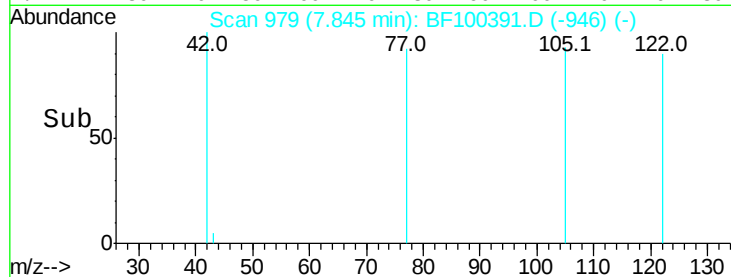
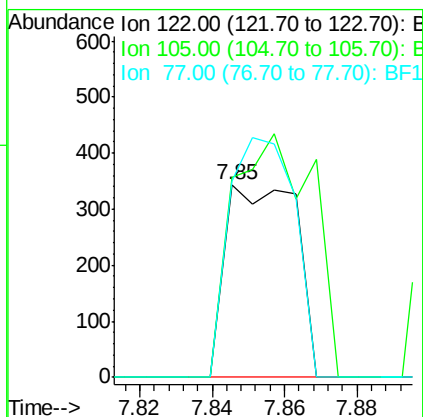
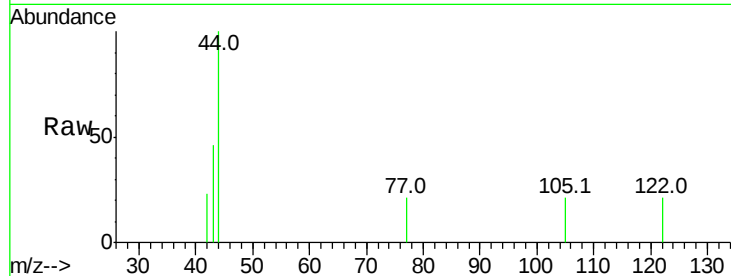




#32
Benzoic acid
Concen: 9.422 ng
RT: 7.85 min Scan# 979
Delta R.T. -0.11 min
Lab File: BF100391.D
Acq: 10 Nov 2017 15:20

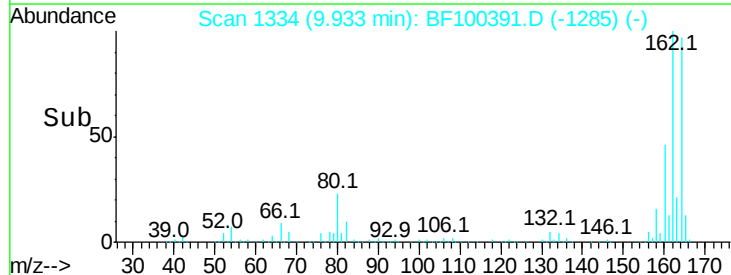
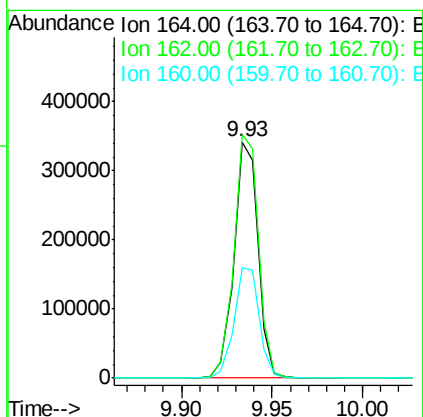
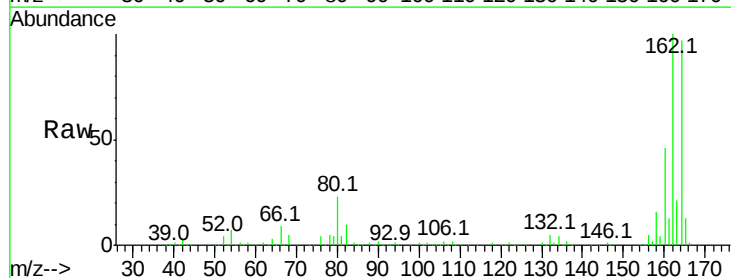
Instrument :
BNA_F
ClientSampleId :

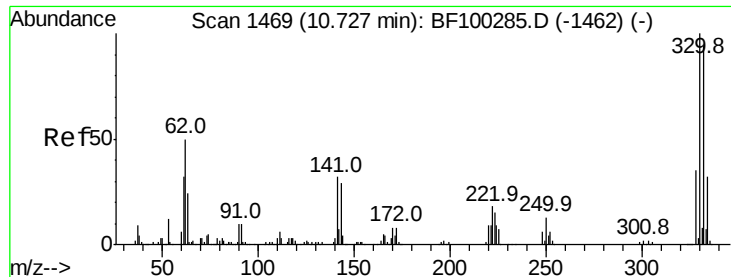
Tot Ion:122 Resp: 465
Ion Ratio Lower Upper
122 100
105 103.8 101.1 141.1
77 102.0 70.7 110.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF100391.D
Acq: 10 Nov 2017 15:20

Tgt Ion:164 Resp: 314562
Ion Ratio Lower Upper
164 100
162 103.0 86.1 129.1
160 47.0 38.3 57.5

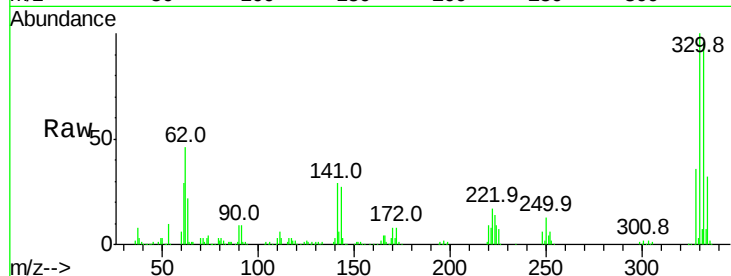




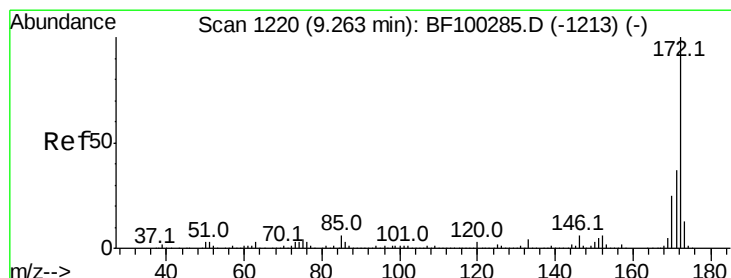
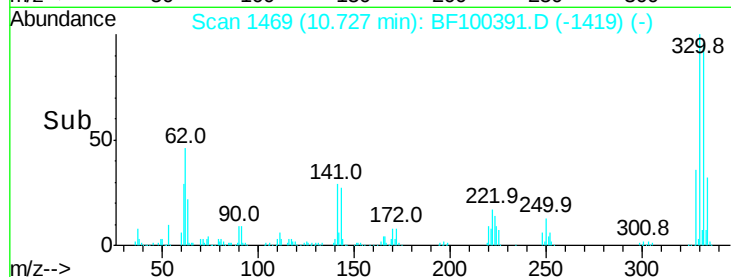
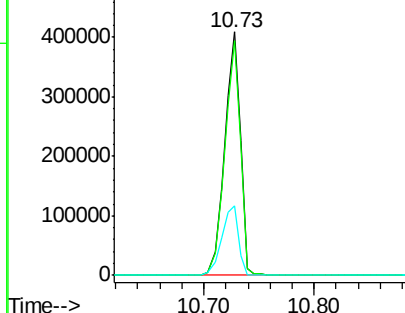
#41
 2,4,6-Tribromophenol
 Concen: 127.077 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: BF100391.D
 Acq: 10 Nov 2017 15:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	30.2	29.9	44.9

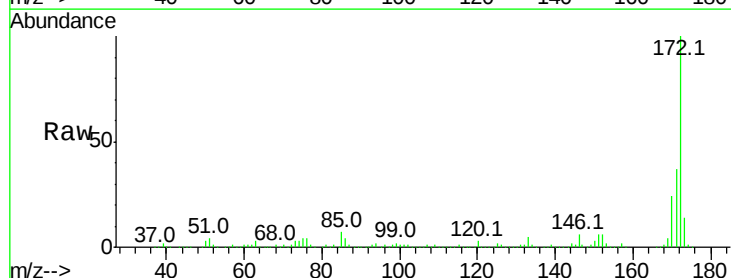


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

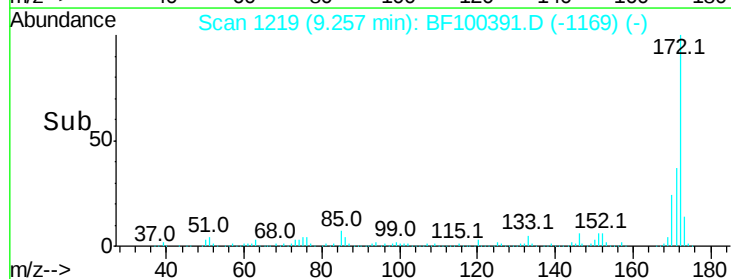
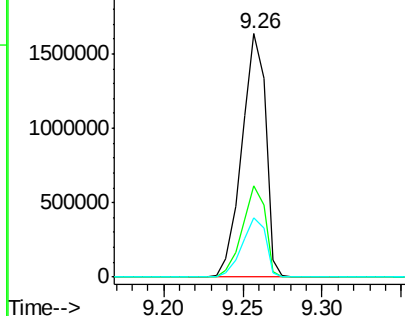


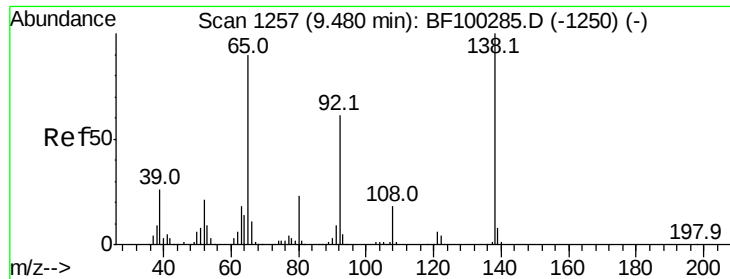
#44
 2-Fluorobiphenyl
 Concen: 82.322 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: BF100391.D
 Acq: 10 Nov 2017 15:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.7	44.5
170	24.5	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

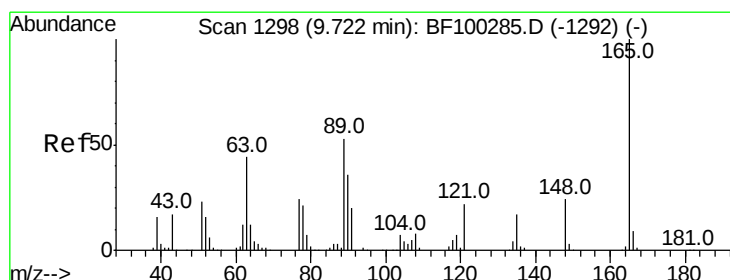
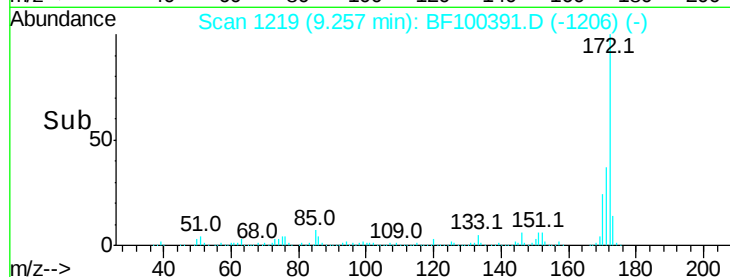
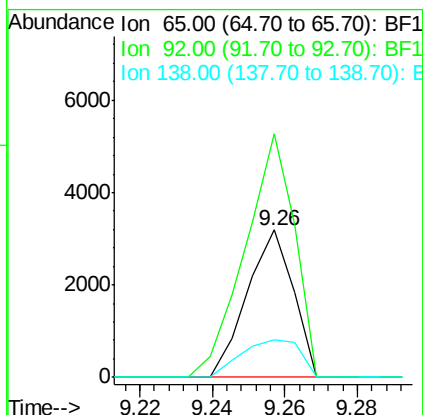
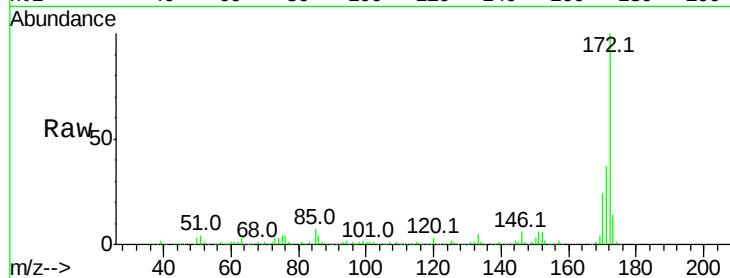




#47
2-Nitroaniline
Concen: 3.242 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.22 min
Lab File: BF100391.D
Acq: 10 Nov 2017 15:20

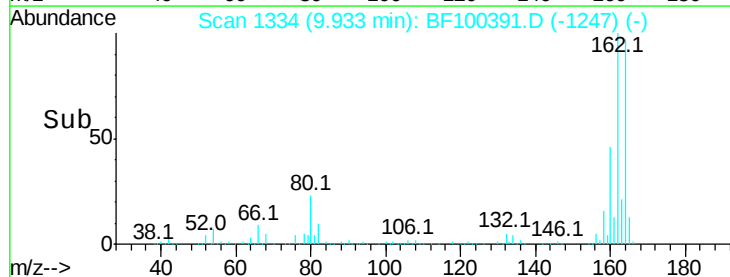
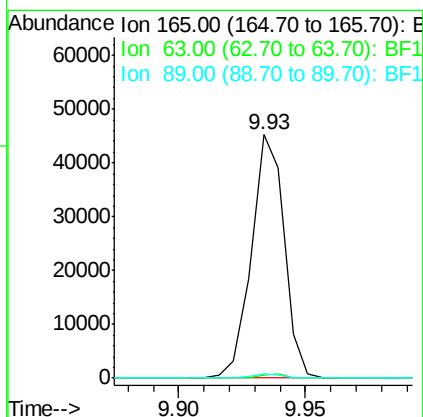
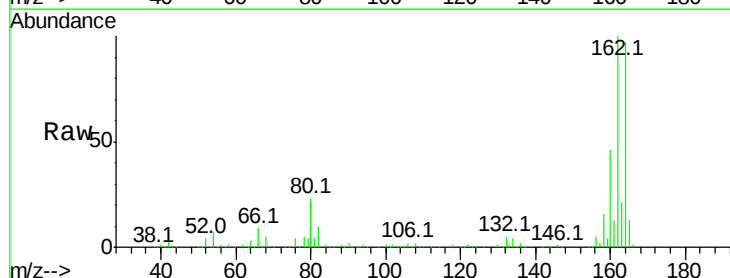
Instrument :
BNA_F
ClientSampleId :

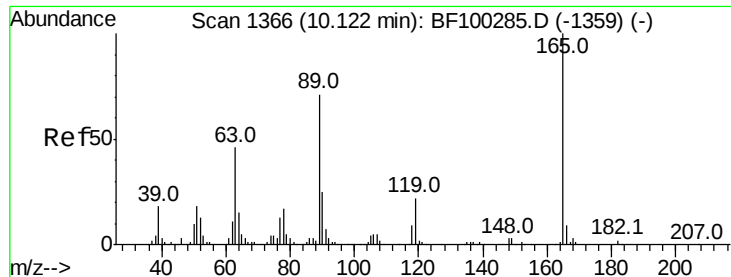
Tot Ion: 65 Resp: 2835
Ion Ratio Lower Upper
65 100
92 165.1 55.8 83.6#
138 25.6 91.2 136.8#



#50
2,6-Dinitrotoluene
Concen: 8.567 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.21 min
Lab File: BF100391.D
Acq: 10 Nov 2017 15:20

Tgt Ion:165 Resp: 40727
Ion Ratio Lower Upper
165 100
63 1.0 44.7 67.1#
89 1.5 44.0 66.0#

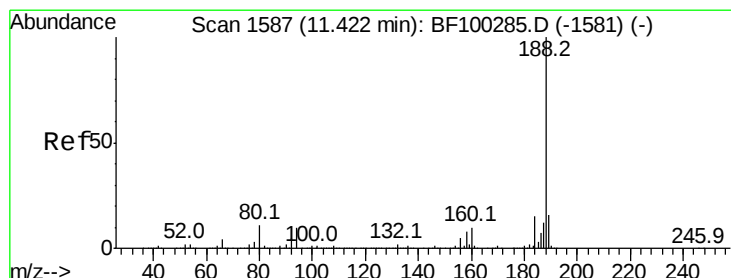
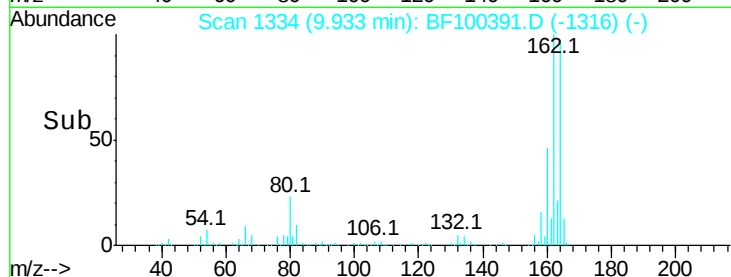
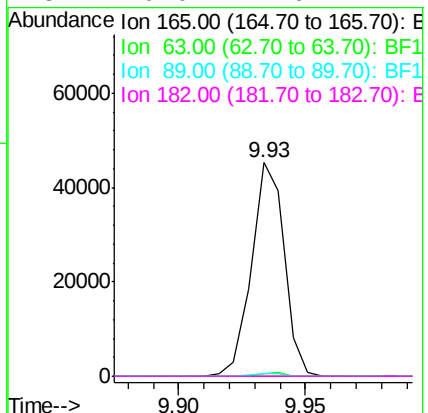
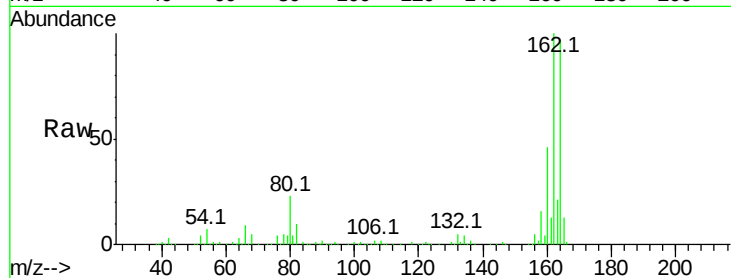




#56
 2,4-Dinitrotoluene
 Concen: 6.791 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.19 min
 Lab File: BF100391.D
 Acq: 10 Nov 2017 15:20

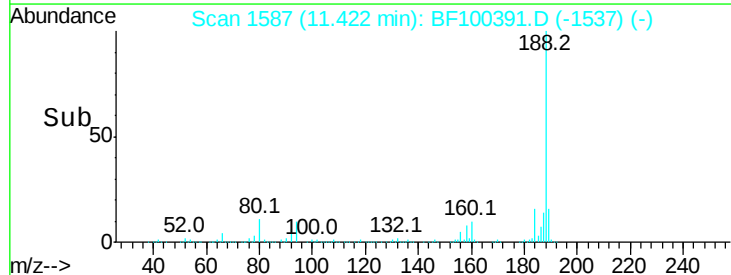
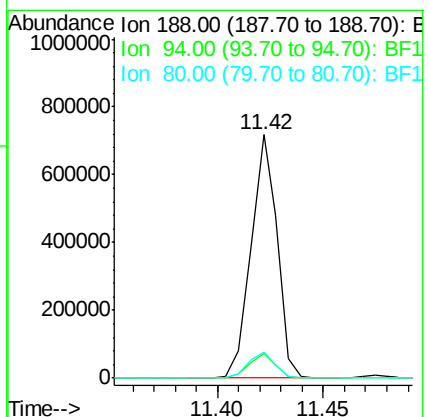
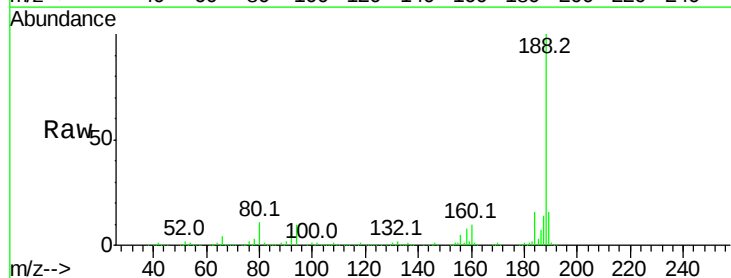
Instrument :
 BNA_F
 ClientSampleId :

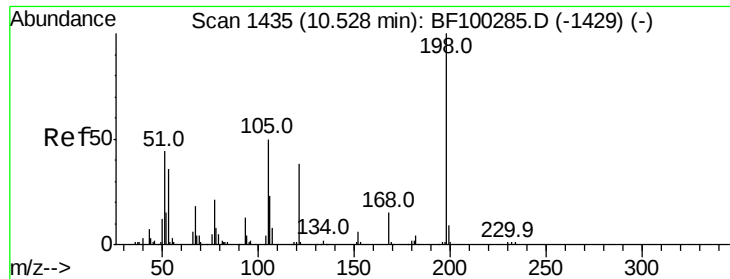
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF100391.D
 Acq: 10 Nov 2017 15:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.5	12.7
80	10.9	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 8.786 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.19 min

Lab File: BF100391.D

Acq: 10 Nov 2017 15:20

Instrument :

BNA_F

ClientSampleId :

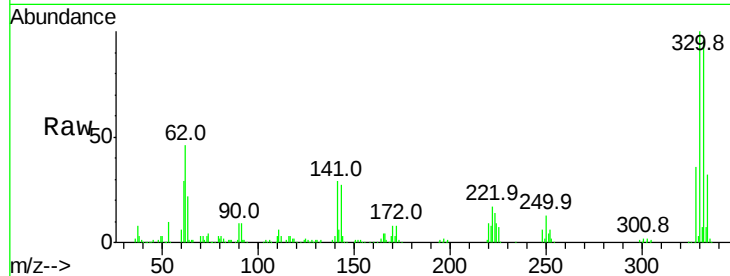
Tot Ion:198 Resp: 815

Ion Ratio Lower Upper

198 100

51 167.8 37.7 77.7#

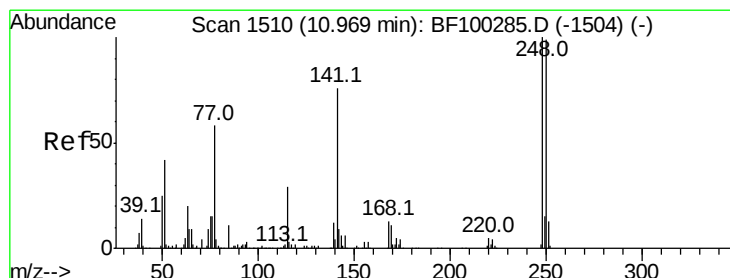
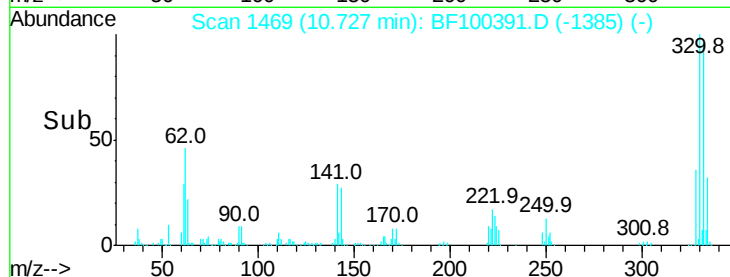
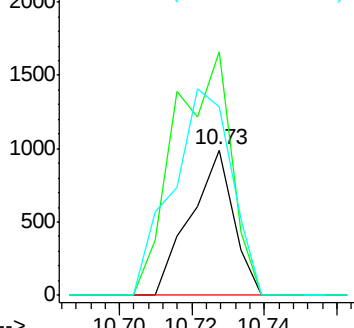
105 129.8 36.3 76.3#



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: 3.730 ng

RT: 10.73 min Scan# 1469

Delta R.T. -0.24 min

Lab File: BF100391.D

Acq: 10 Nov 2017 15:20

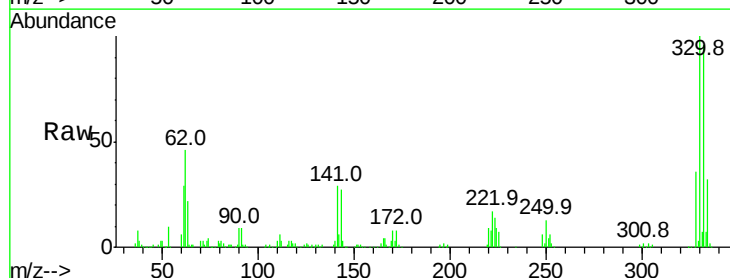
Tgt Ion:248 Resp: 24574

Ion Ratio Lower Upper

248 100

250 219.2 76.9 115.3#

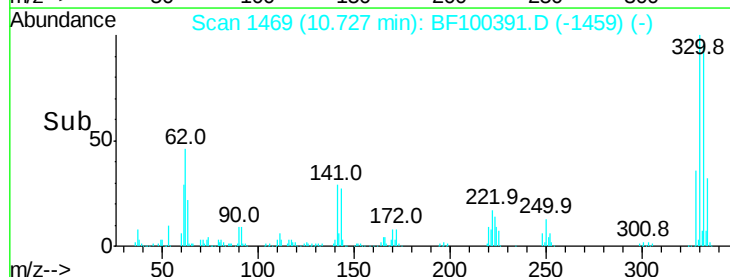
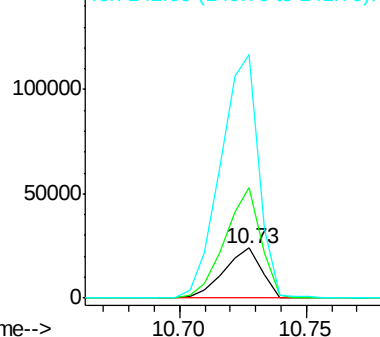
141 484.7 74.4 111.6#

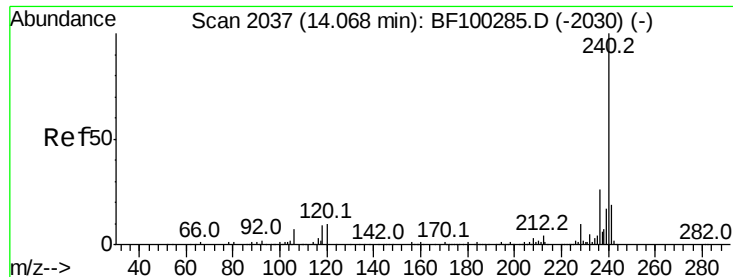


Abundance Ion 248.00 (247.70 to 248.70): E

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# 2035

Delta R.T. -0.01 min

Lab File: BF100391.D

Acq: 10 Nov 2017 15:20

Instrument :

BNA_F

ClientSampleId :

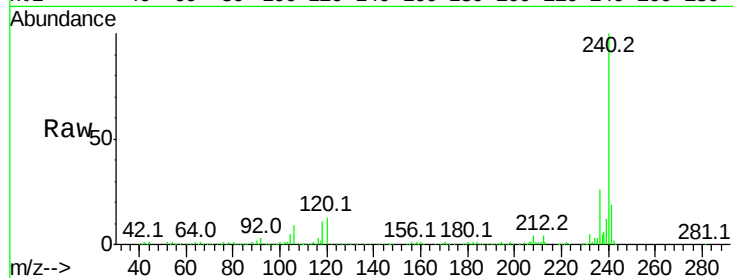
Tot Ion:240 Resp: 416427

Ion Ratio Lower Upper

240 100

120 13.4 9.5 14.3

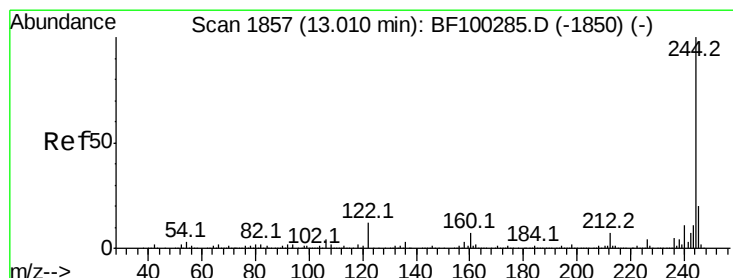
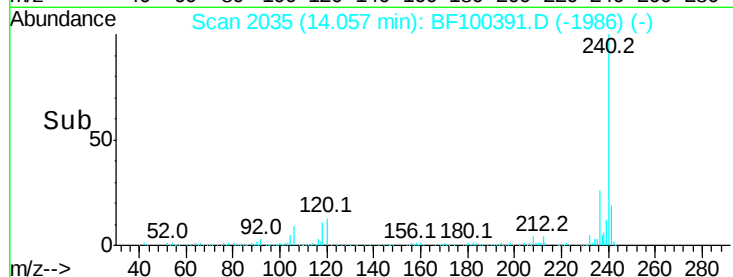
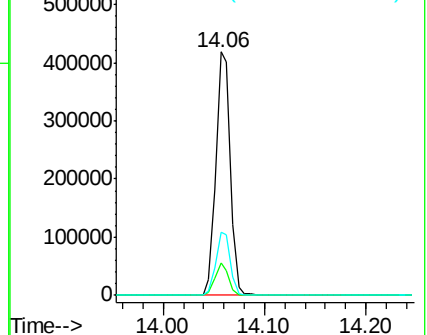
236 25.7 20.7 31.1



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: 90.319 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.00 min

Lab File: BF100391.D

Acq: 10 Nov 2017 15:20

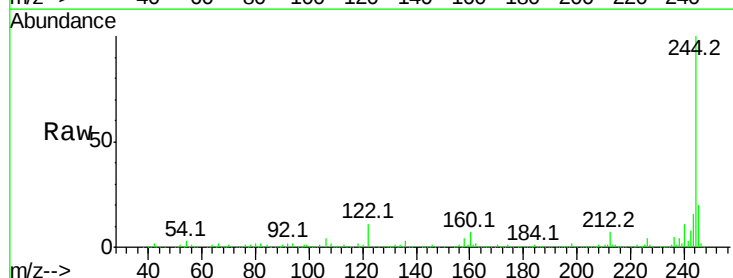
Tgt Ion:244 Resp: 1636904

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

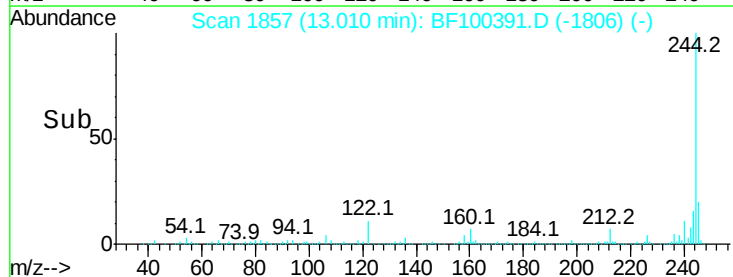
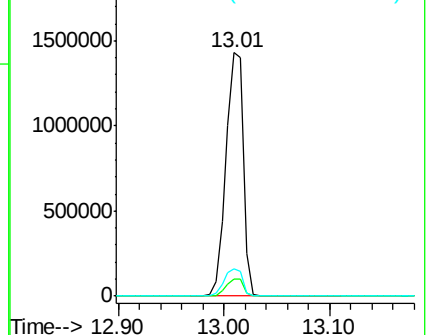
122 11.4 11.0 16.4

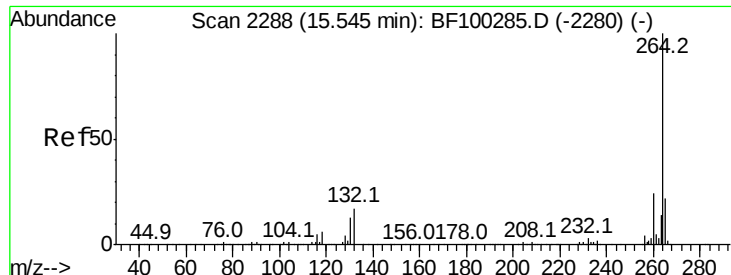


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

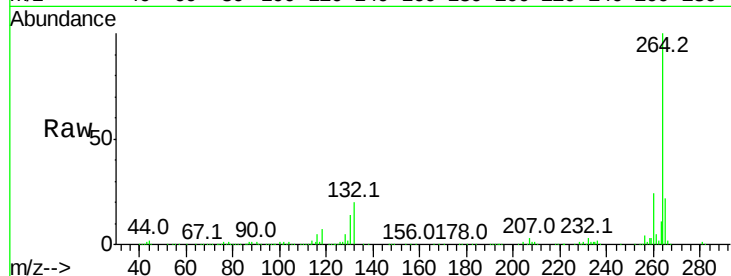




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. -0.01 min
 Lab File: BF100391.D
 Acq: 10 Nov 2017 15:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	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

