

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
 Data File : BF100916.D
 Acq On : 28 Nov 2017 2:50
 Operator : SJ/JU
 Sample : I6584-05
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 28 03:26:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 27 14:11:25 2017
 Response via : Initial Calibration

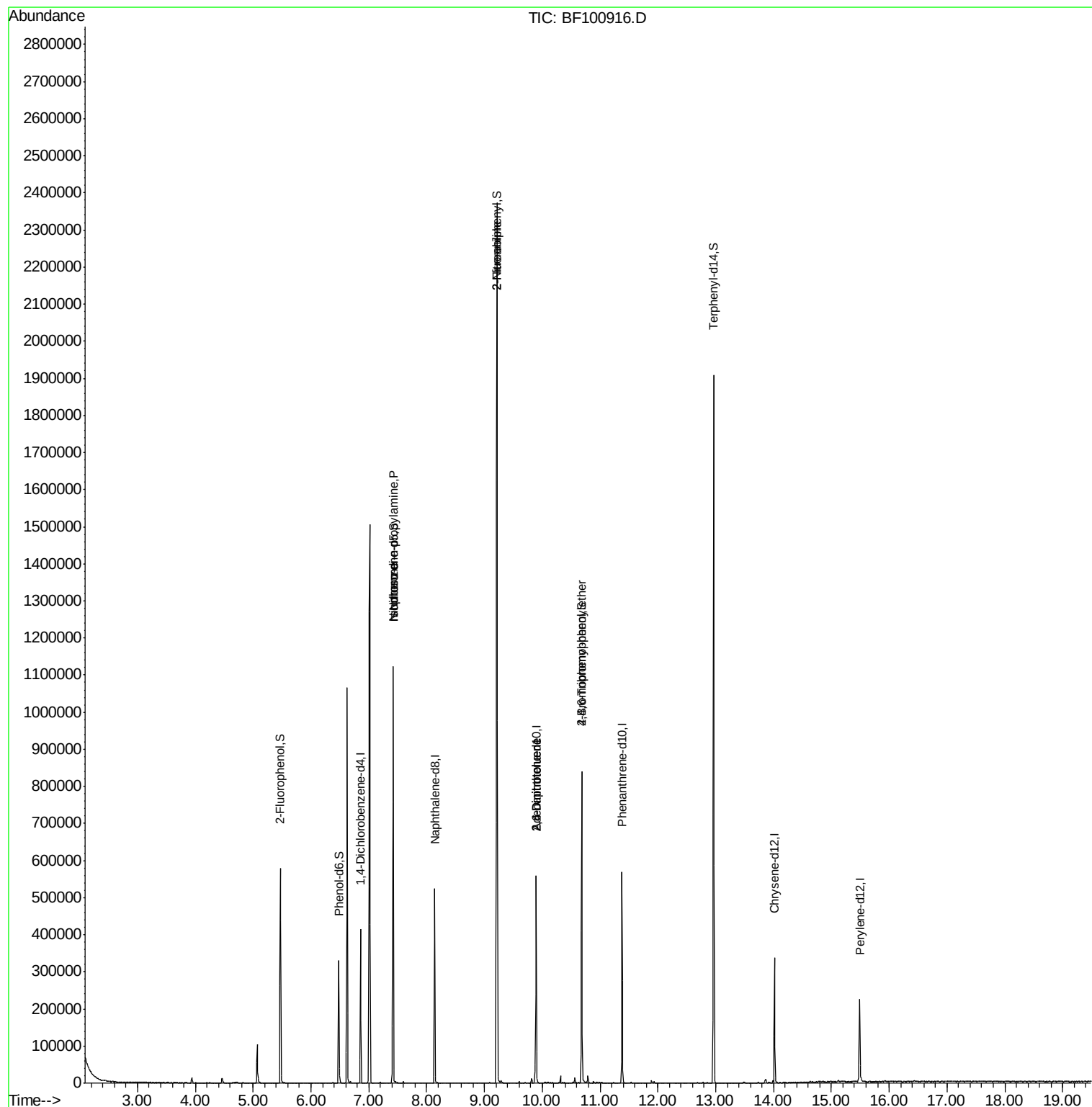
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	60860	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	230627	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	106592	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	187560	20.00	ng	0.00
75) Chrysene-d12	14.02	240	127472	20.00	ng	-0.01
86) Perylene-d12	15.49	264	116497	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	152865	40.26	ng	0.00
7) Phenol-d6	6.48	99	113927	24.33	ng	-0.01
23) Nitrobenzene-d5	7.42	82	391139	112.13	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	109358	100.68	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	772700	110.38	ng	0.00
78) Terphenyl-d14	12.97	244	602997	108.69	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	51092	15.736	ng	# 81
25) Isophorone	7.42	82	391135	53.357	ng	# 64
47) 2-Nitroaniline	9.22	65	1113	3.314	ng	# 1
50) 2,6-Dinitrotoluene	9.89	165	13670	8.486	ng	# 24
56) 2,4-Dinitrotoluene	9.89	165	13670	6.726	ng	# 21
66) 4-Bromophenyl-phenylether	10.68	248	6526	3.246	ng	# 1

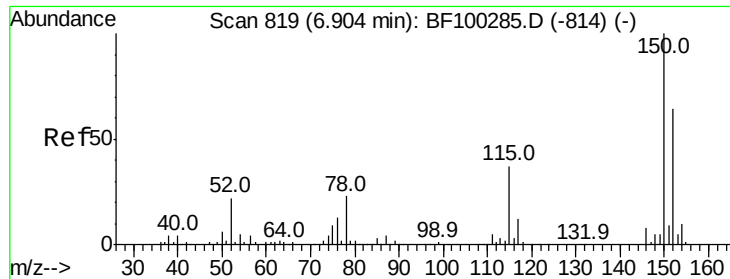
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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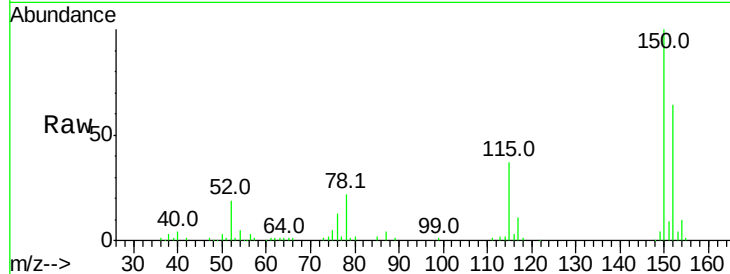


#1

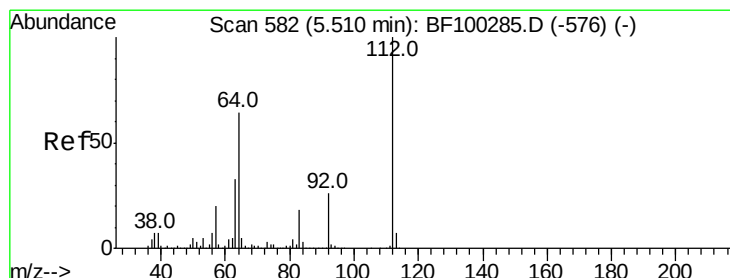
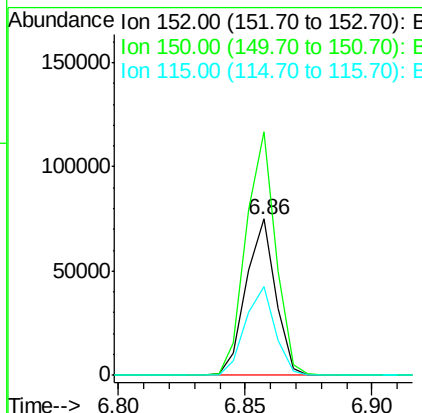
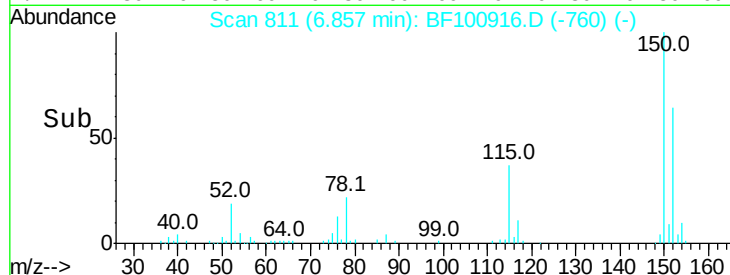
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: BF100916.D
 Acq: 28 Nov 2017 2:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 60860
 Ion Ratio Lower Upper
 152 100
 150 155.7 124.6 186.8
 115 57.1 50.1 75.1



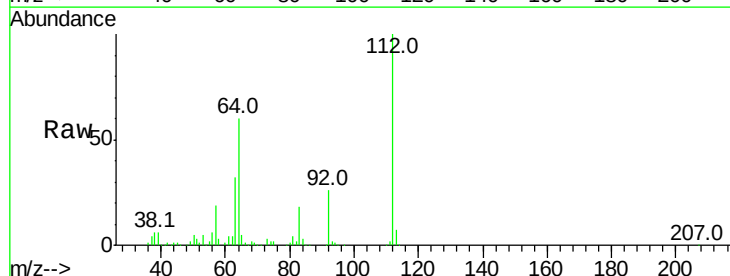
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



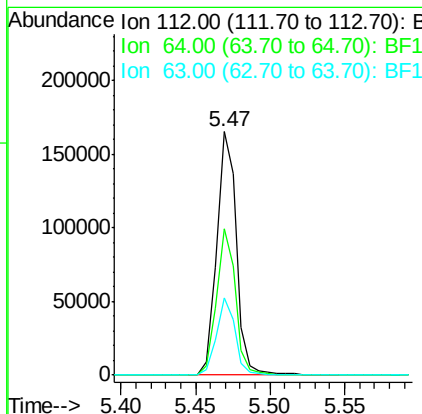
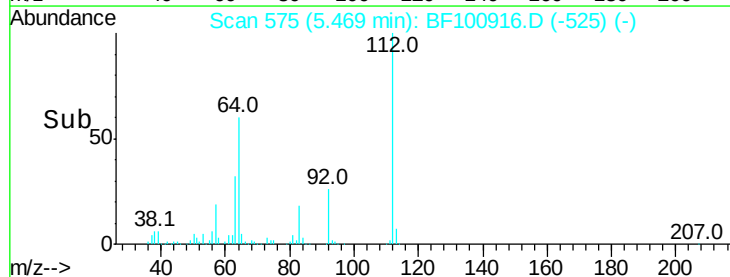
#5

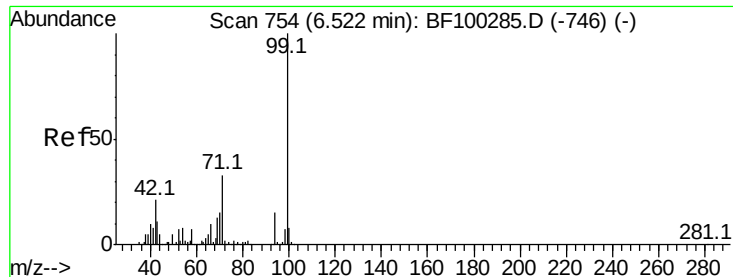
2-Fluorophenol
 Concen: 40.263 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.01 min
 Lab File: BF100916.D
 Acq: 28 Nov 2017 2:50

Tgt Ion:112 Resp: 152865
 Ion Ratio Lower Upper
 112 100
 64 60.1 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: 24.334 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF100916.D

Acq: 28 Nov 2017 2:50

Instrument :

BNA_F

ClientSampleId :

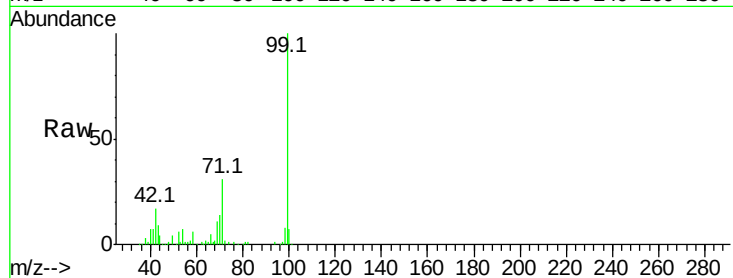
Tot Ion: 99 Resp: 113927

Ion Ratio Lower Upper

99 100

42 17.3 14.5 21.7

71 30.5 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

6.48

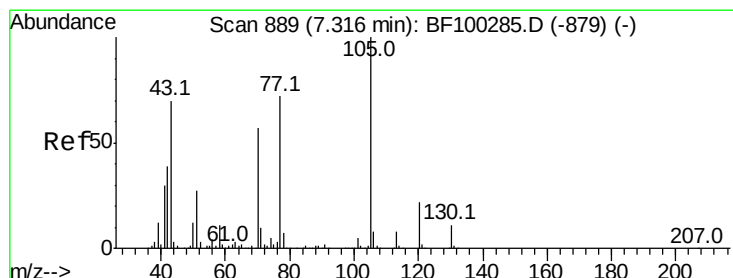
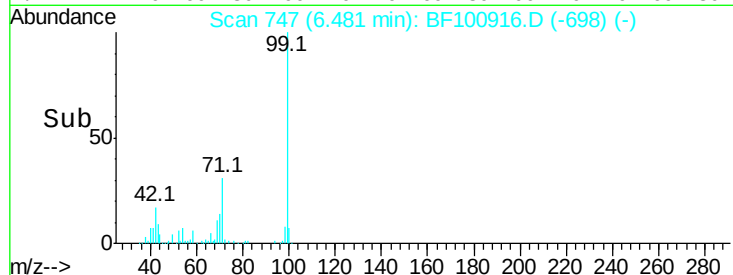
150000

100000

50000

0

Time--> 6.40 6.45 6.50 6.55



#19

n-Nitroso-di-n-propylamine

Concen: 15.736 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF100916.D

Acq: 28 Nov 2017 2:50

Tgt Ion: 70 Resp: 51092

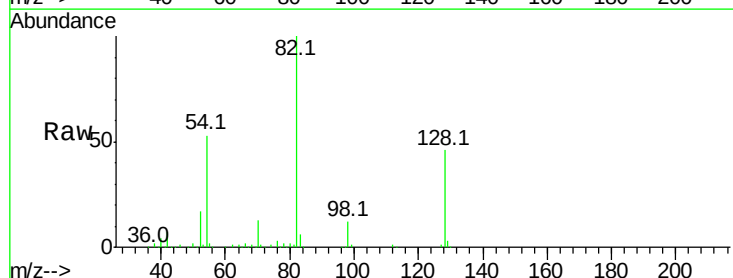
Ion Ratio Lower Upper

70 100

42 52.0 47.5 71.3

101 0.0 7.4 11.2#

130 1.7 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

7.42

80000

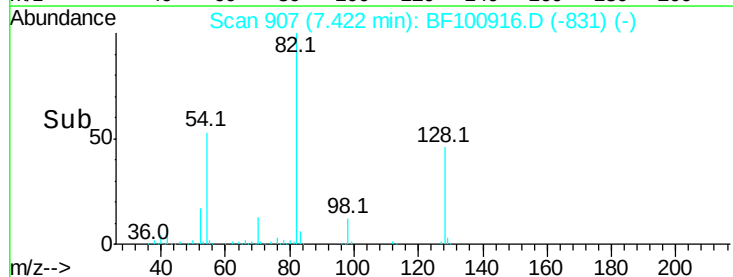
60000

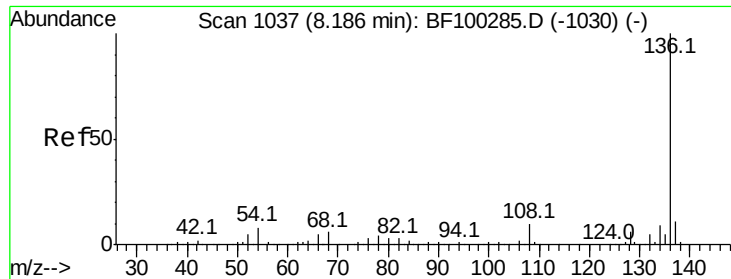
40000

20000

0

Time--> 7.40 7.45

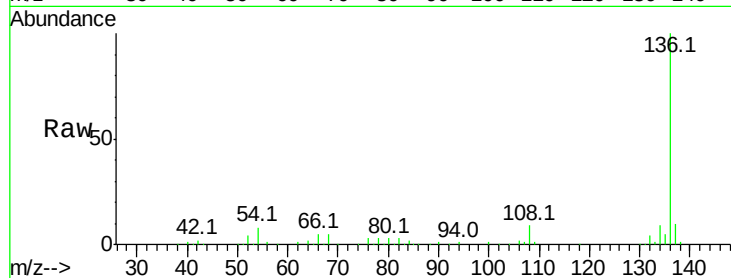




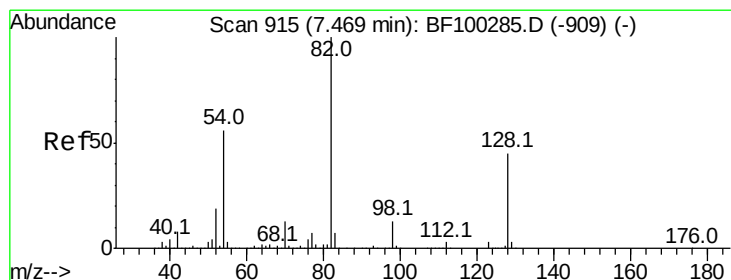
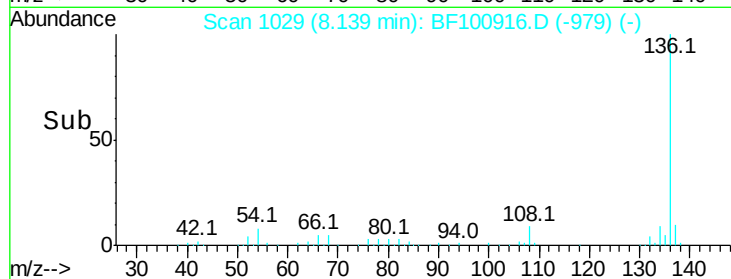
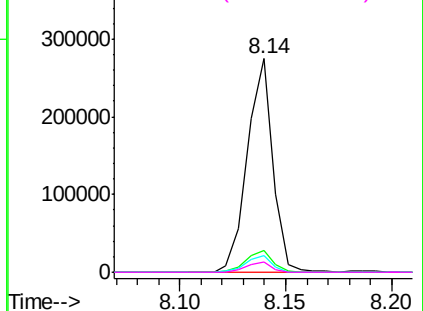
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF100916.D
Acq: 28 Nov 2017 2:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	230627
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	7.6	6.6	9.8
68	4.6	5.0	7.4#

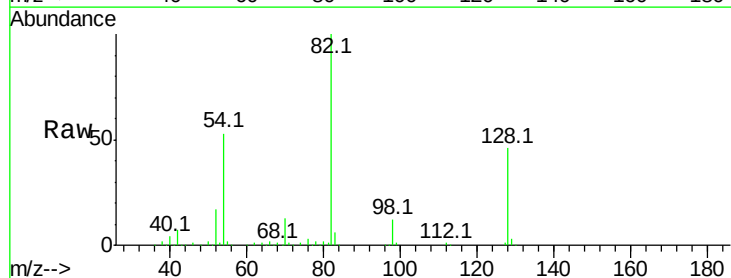


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

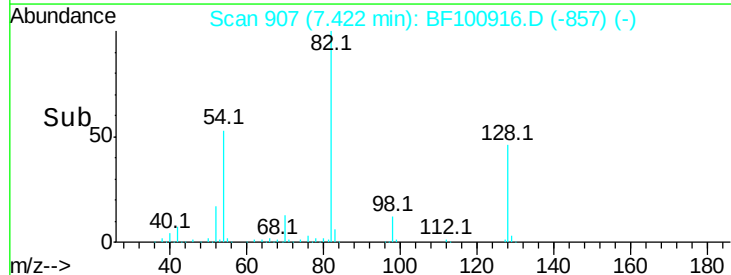
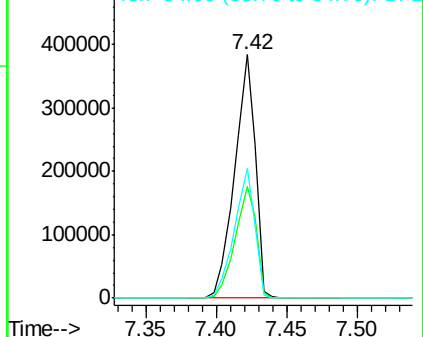


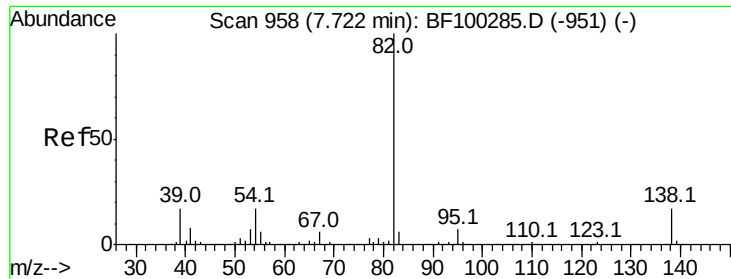
#23
Nitrobenzene-d5
Concen: 112.127 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF100916.D
Acq: 28 Nov 2017 2:50

Tgt Ion:	82	Resp:	391139
Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.1	54.1
54	53.5	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: 53.357 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF100916.D

Acq: 28 Nov 2017 2:50

Instrument :

BNA_F

ClientSampleId :

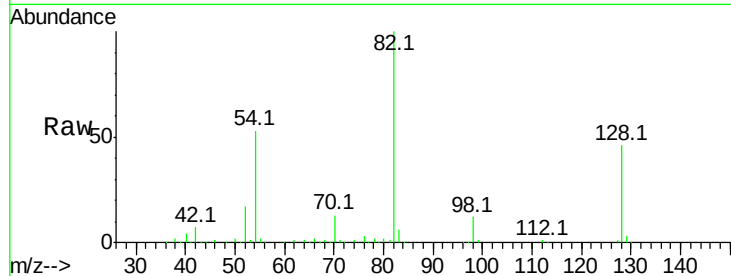
Tot Ion: 82 Resp: 391135

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

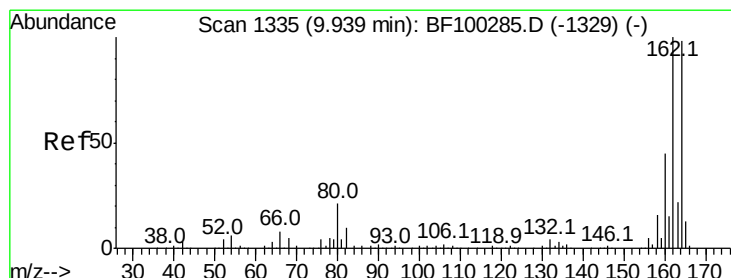
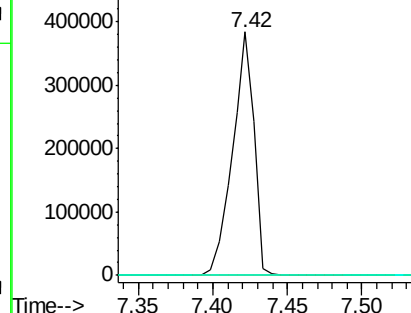
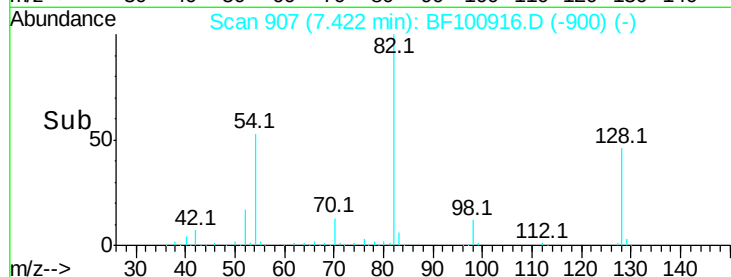
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF100916.D

Acq: 28 Nov 2017 2:50

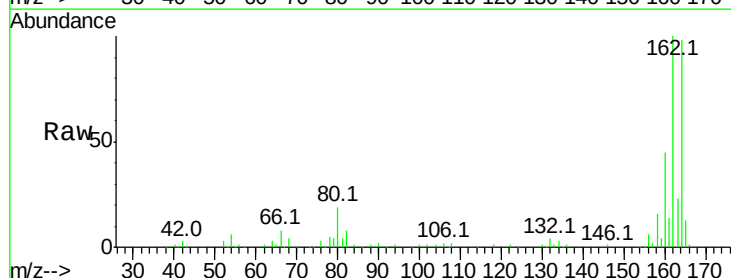
Tgt Ion:164 Resp: 106592

Ion Ratio Lower Upper

164 100

162 102.4 86.1 129.1

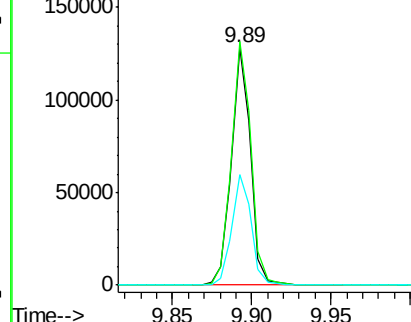
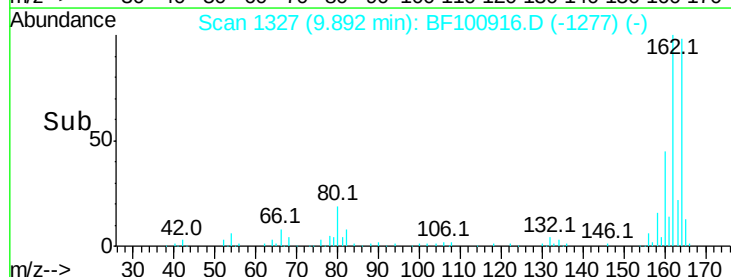
160 46.4 38.3 57.5

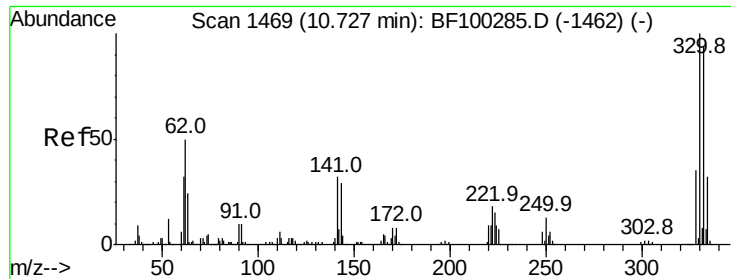


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

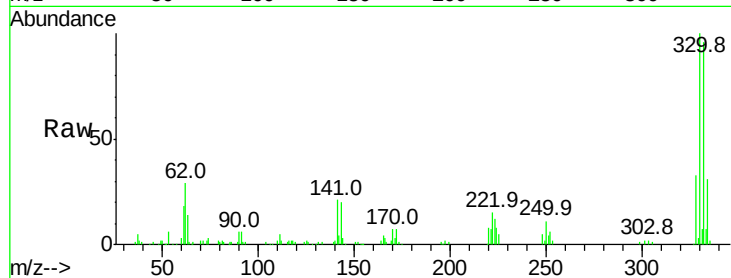




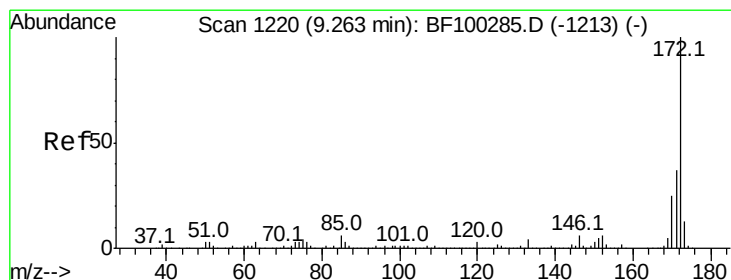
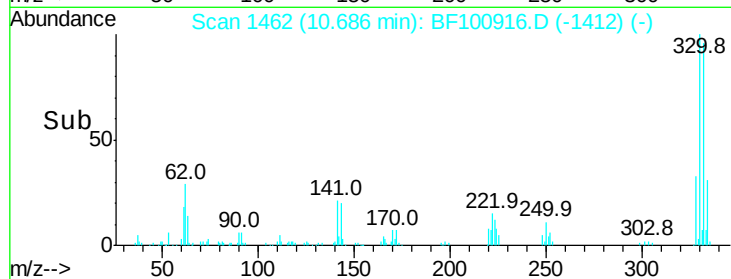
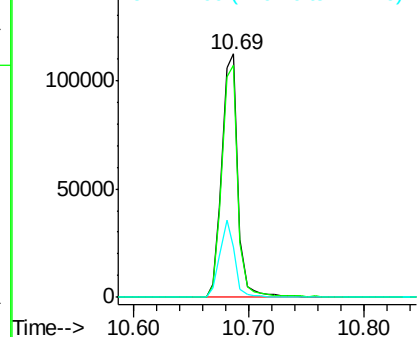
#41
 2,4,6-Tribromophenol
 Concen: 100.682 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF100916.D
 Acq: 28 Nov 2017 2:50

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	29.0	29.9	44.9#

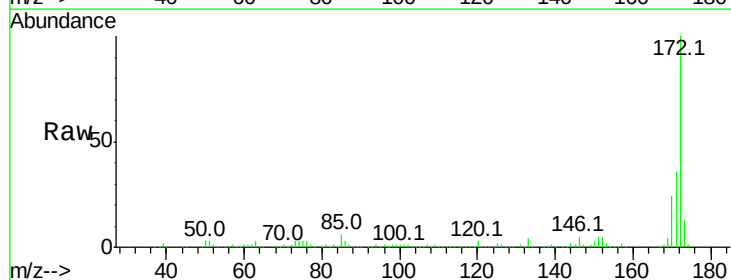


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

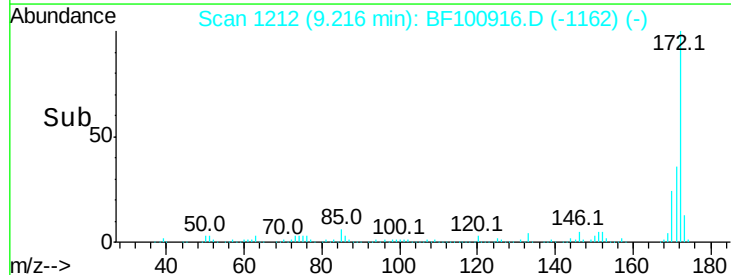
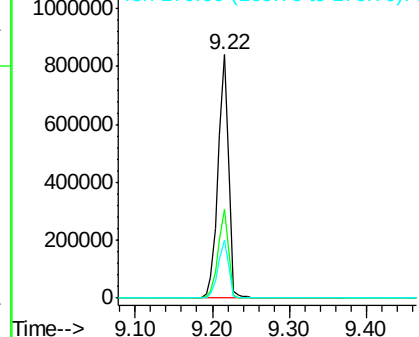


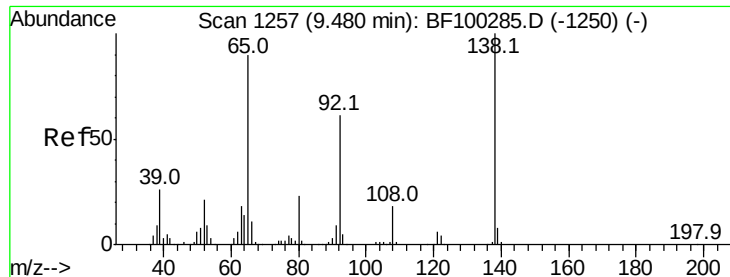
#44
 2-Fluorobiphenyl
 Concen: 110.383 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF100916.D
 Acq: 28 Nov 2017 2:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	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

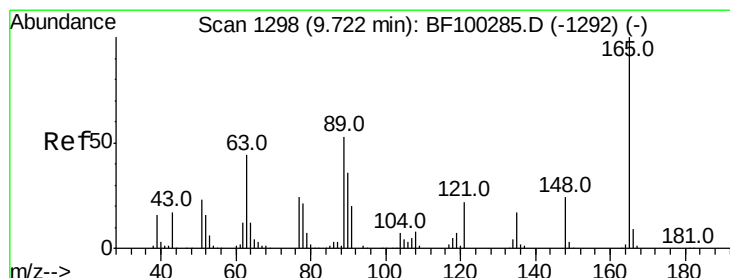
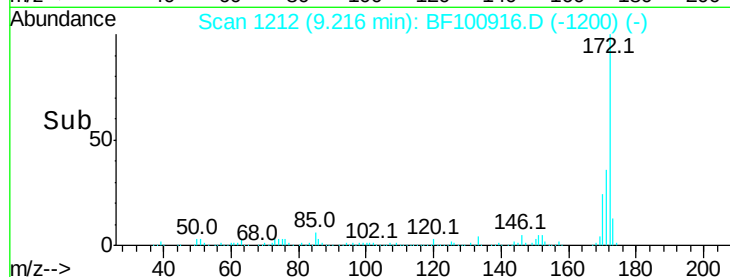
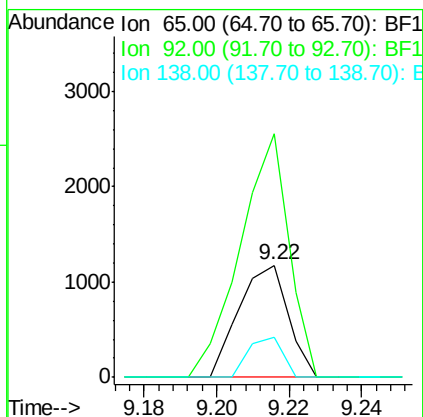
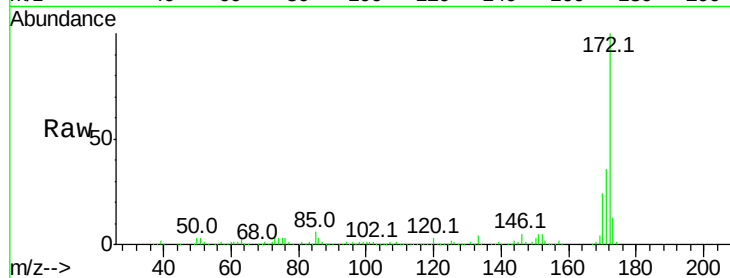




#47
2-Nitroaniline
Concen: 3.314 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.23 min
Lab File: BF100916.D
Acq: 28 Nov 2017 2:50

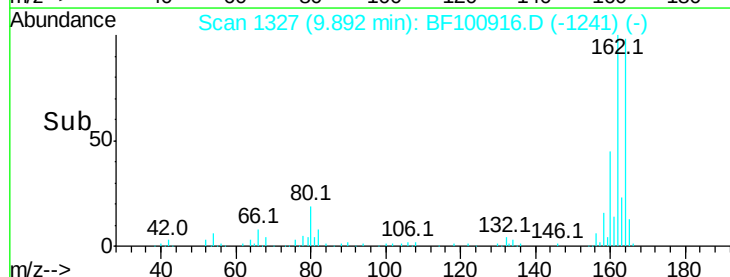
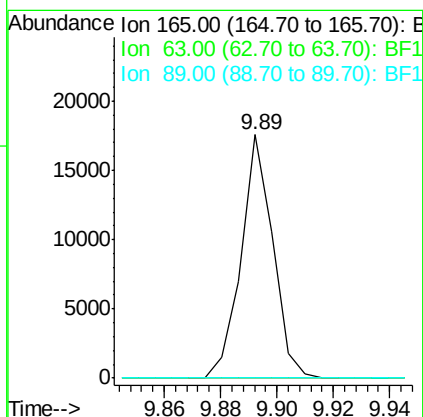
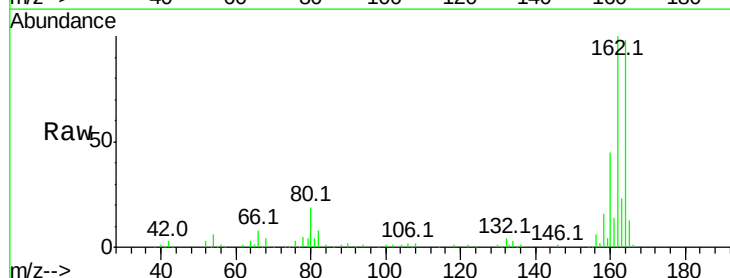
Instrument :
BNA_F
ClientSampled :

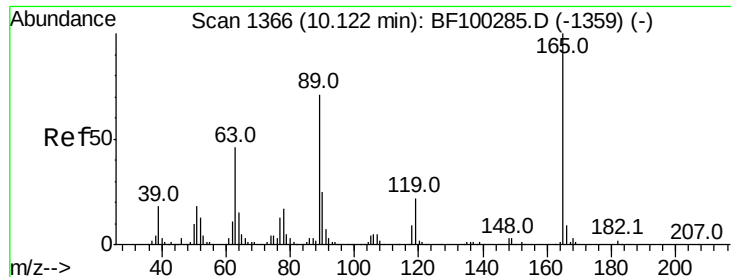
Tot Ion: 65 Resp: 1113
Ion Ratio Lower Upper
65 100
92 217.5 55.8 83.6#
138 35.5 91.2 136.8#



#50
2,6-Dinitrotoluene
Concen: 8.486 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.21 min
Lab File: BF100916.D
Acq: 28 Nov 2017 2:50

Tgt Ion:165 Resp: 13670
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#

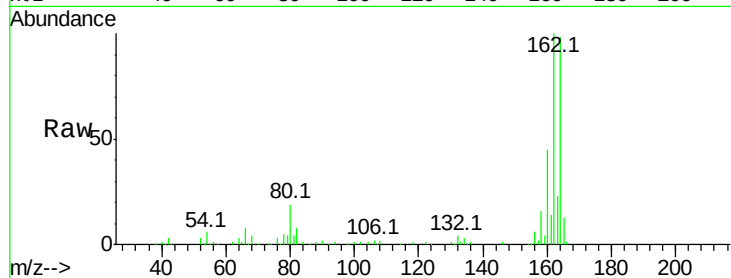




#56
 2,4-Dinitrotoluene
 Concen: 6.726 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.19 min
 Lab File: BF100916.D
 Acq: 28 Nov 2017 2:50

Instrument :
 BNA_F
 ClientSampled :

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

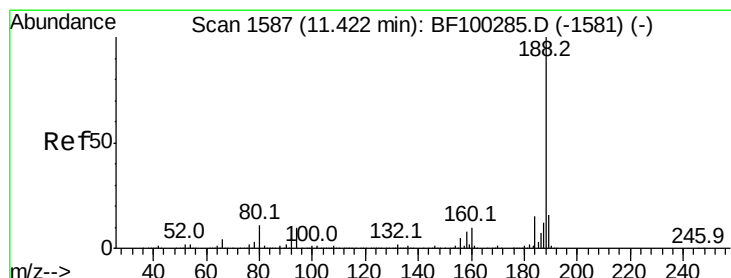
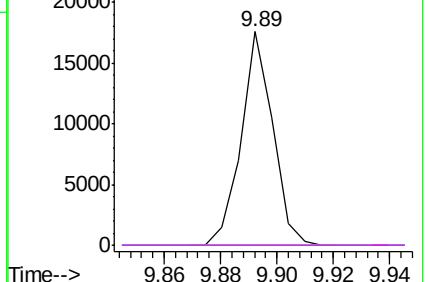
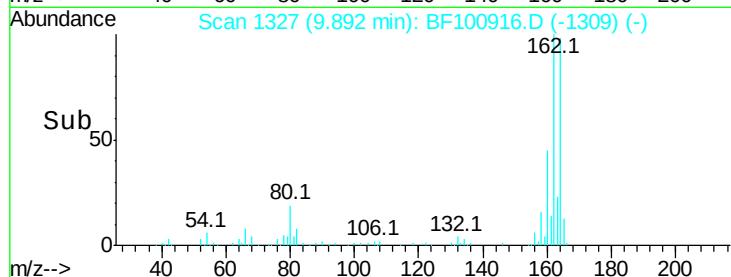


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

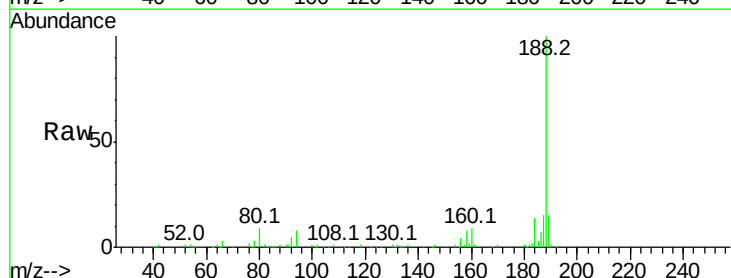
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF100916.D
 Acq: 28 Nov 2017 2:50

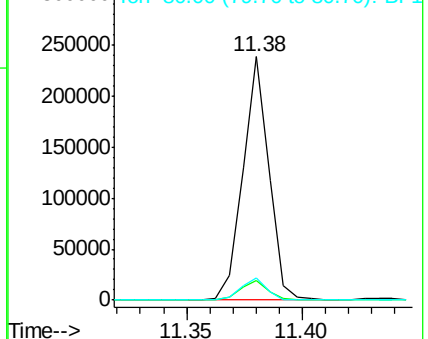
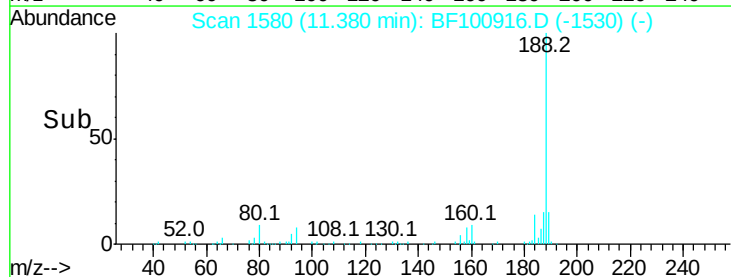
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	8.5	12.7#
80	8.9	9.2	13.8#

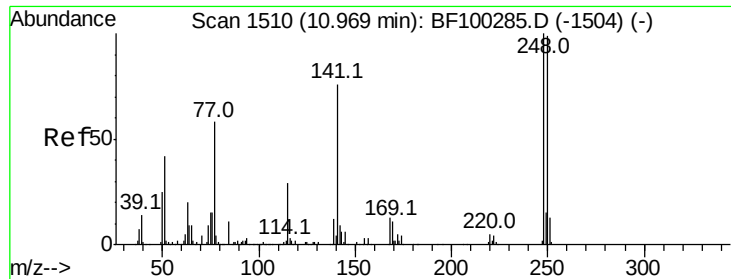


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

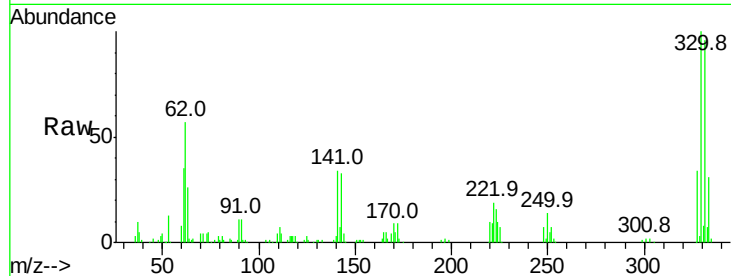




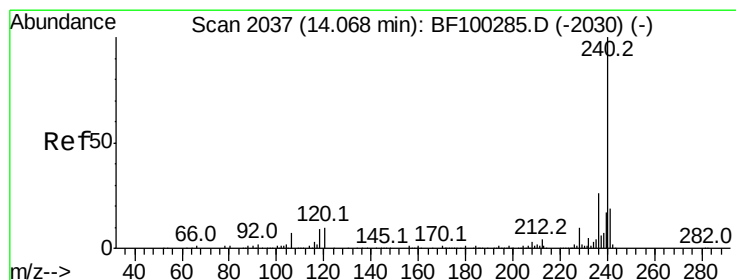
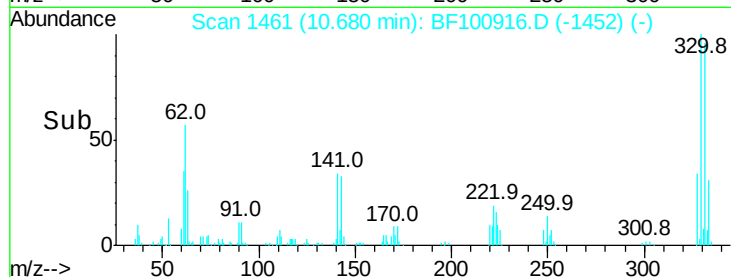
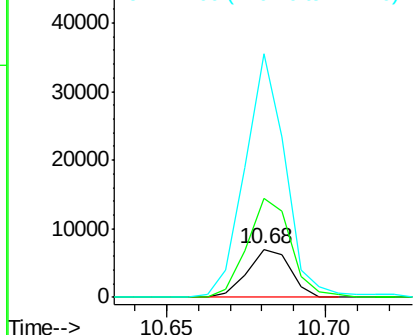
#66
 4-Bromophenyl-phenylether
 Concen: 3.246 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.25 min
 Lab File: BF100916.D
 Acq: 28 Nov 2017 2:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 6526
 Ion Ratio Lower Upper
 248 100
 250 205.1 76.9 115.3#
 141 506.8 74.4 111.6#

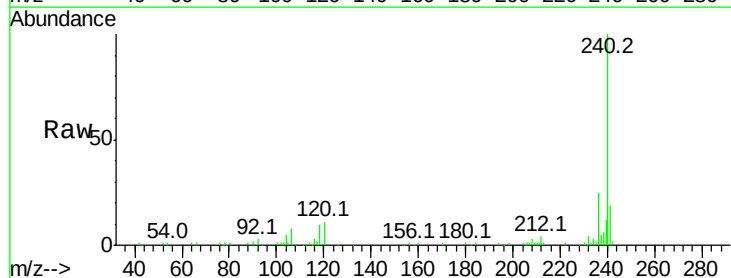


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

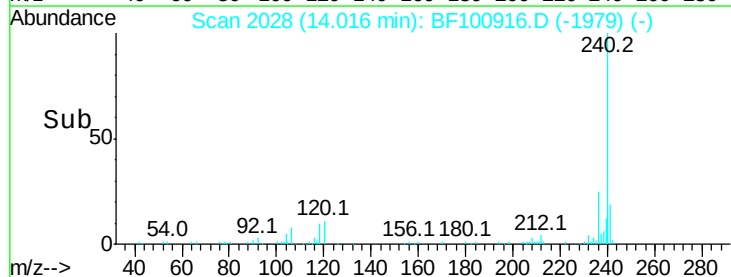
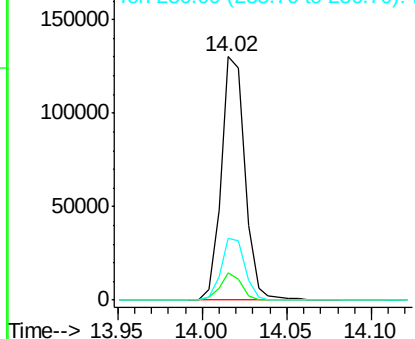


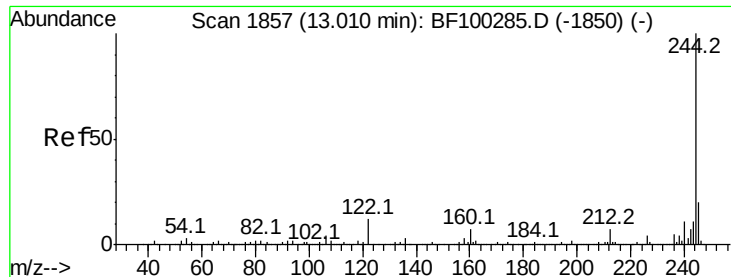
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF100916.D
 Acq: 28 Nov 2017 2:50

Tgt Ion:240 Resp: 127472
 Ion Ratio Lower Upper
 240 100
 120 11.4 9.5 14.3
 236 25.4 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: 108.691 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.00 min

Lab File: BF100916.D

Acq: 28 Nov 2017 2:50

Instrument :

BNA_F

ClientSampled :

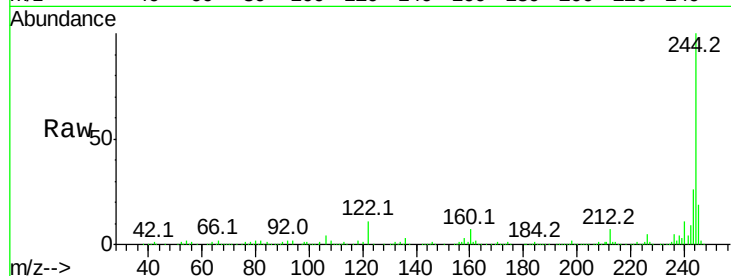
Tot Ion:244 Resp: 602997

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

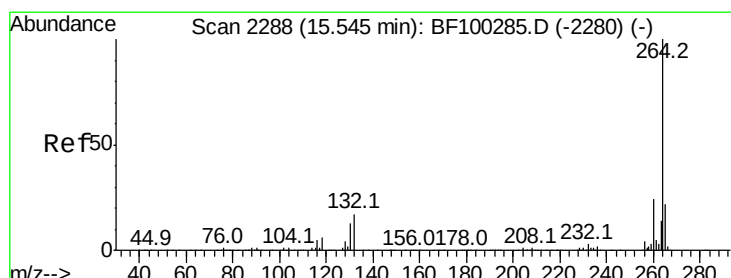
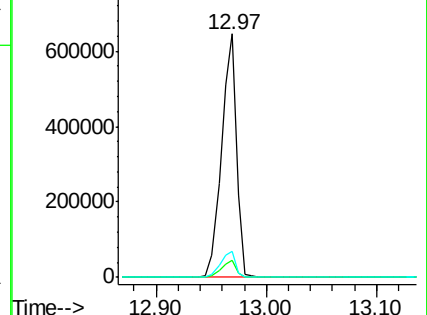
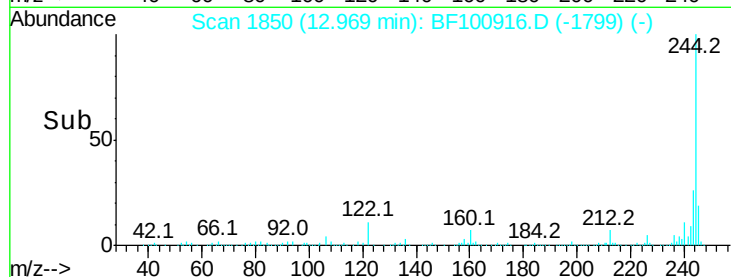
122 10.5 11.0 16.4#



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: 15.49 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BF100916.D

Acq: 28 Nov 2017 2:50

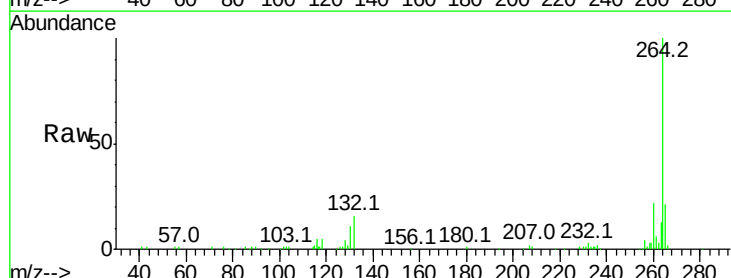
Tgt Ion:264 Resp: 116497

Ion Ratio Lower Upper

264 100

260 22.2 19.2 28.8

265 20.7 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

