

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111017\
 Data File : BF100425.D
 Acq On : 11 Nov 2017 7:04
 Operator : SJ/JU
 Sample : I6355-15
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 13 07:18:59 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	168952	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	621322	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	263217	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	421503	20.00	ng	0.00
75) Chrysene-d12	14.06	240	344914	20.00	ng	0.00
86) Perylene-d12	15.54	264	262433	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	409631	38.87	ng	0.00
7) Phenol-d6	6.52	99	314786	24.22	ng	-0.01
23) Nitrobenzene-d5	7.46	82	917359	97.61	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	197571	73.66	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1514573	87.62	ng	0.00
78) Terphenyl-d14	13.01	244	1134082	75.55	ng	0.00

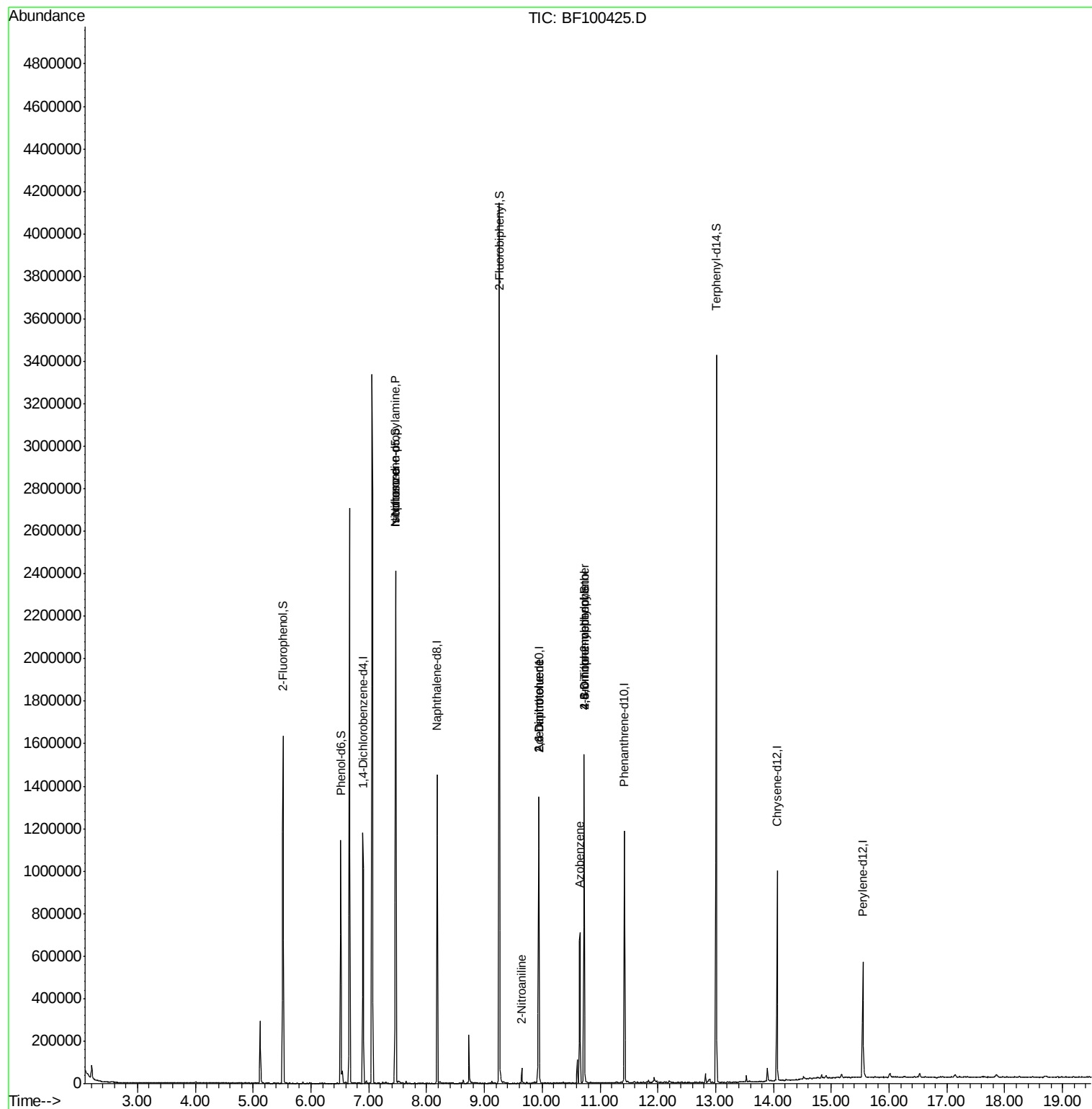
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.46	70	122481	13.589	ng	# 82
25) Isophorone	7.46	82	914603	46.312	ng	# 64
47) 2-Nitroaniline	9.65	65	110	2.805	ng	# 1
50) 2,6-Dinitrotoluene	9.94	165	33310	8.373	ng	# 25
56) 2,4-Dinitrotoluene	9.94	165	33310	6.637	ng	# 23
62) Azobenzene	10.65	77	127684	6.741	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.72	198	308	8.689	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	12709	2.813	ng	# 1

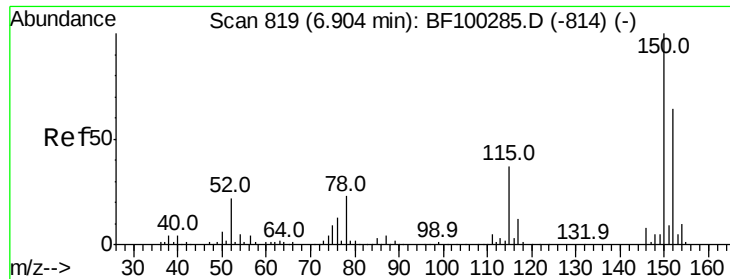
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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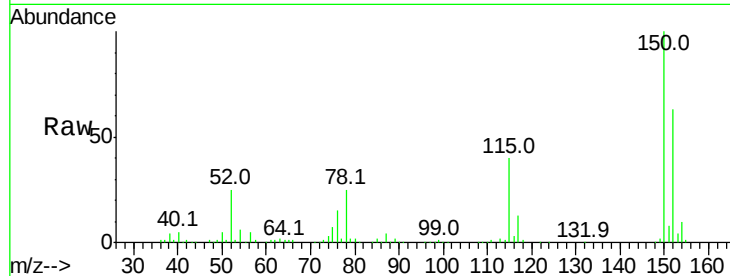


#1

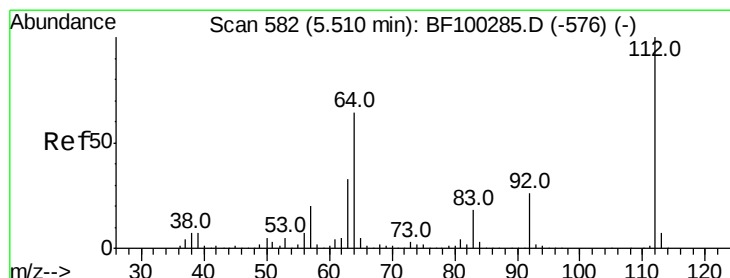
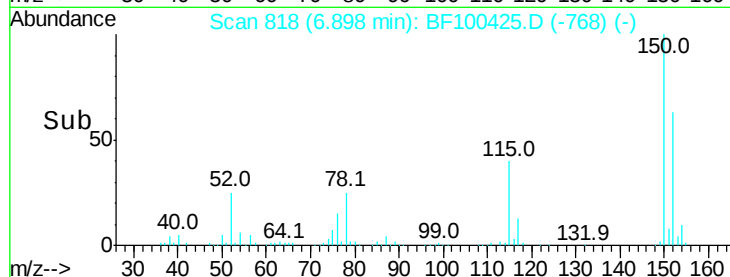
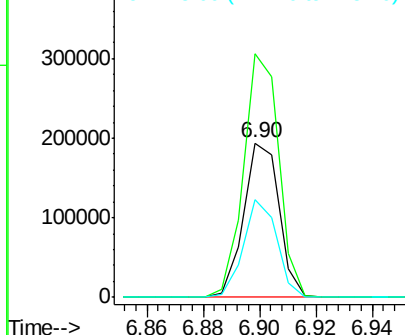
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF100425.D
Acq: 11 Nov 2017 7:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	124.6	186.8
115	63.6	50.1	75.1



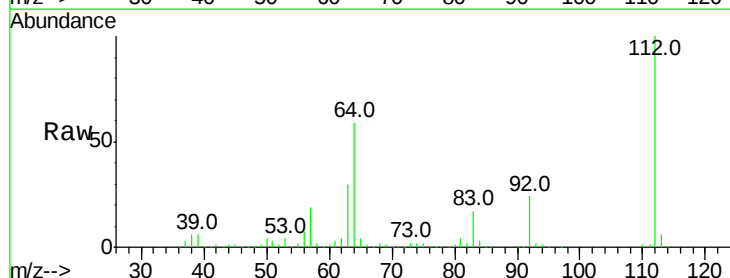
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



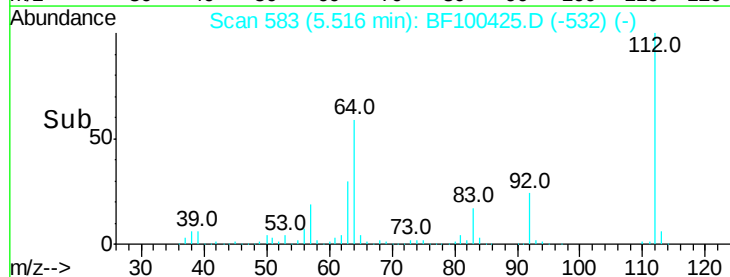
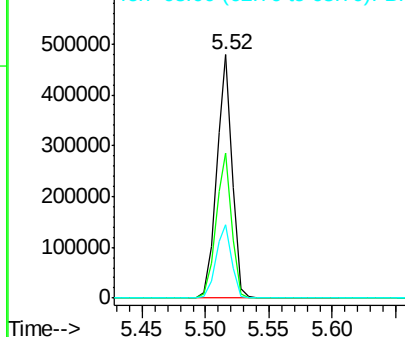
#5

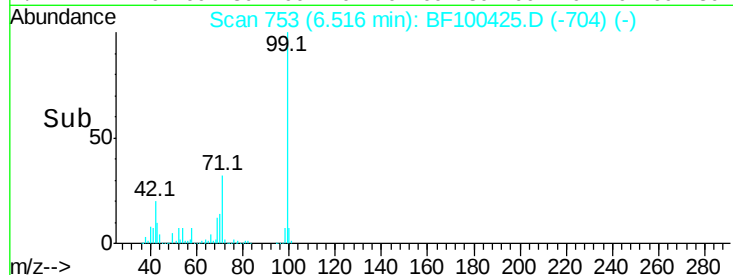
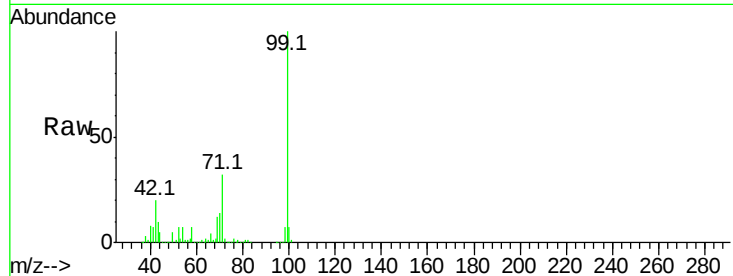
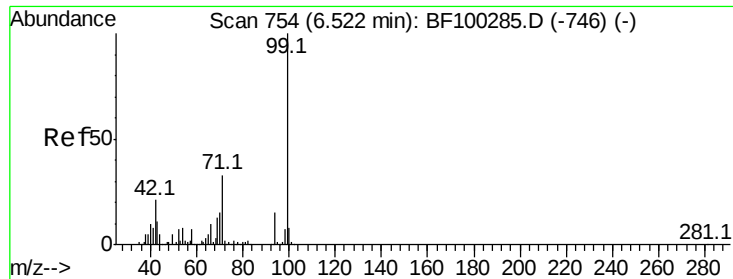
2-Fluorophenol
Concen: 38.865 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.00 min
Lab File: BF100425.D
Acq: 11 Nov 2017 7:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	47.9	71.9
63	30.0	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: 24.220 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF100425.D

Acq: 11 Nov 2017 7:04

Instrument :

BNA_F

ClientSampled :

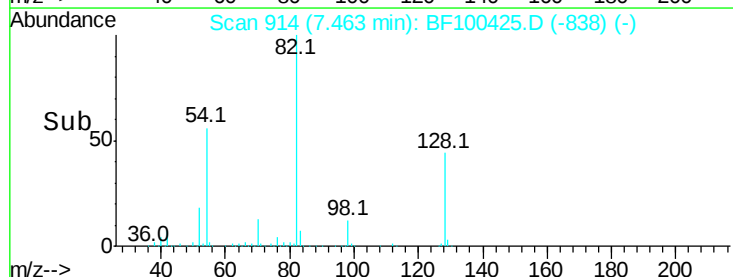
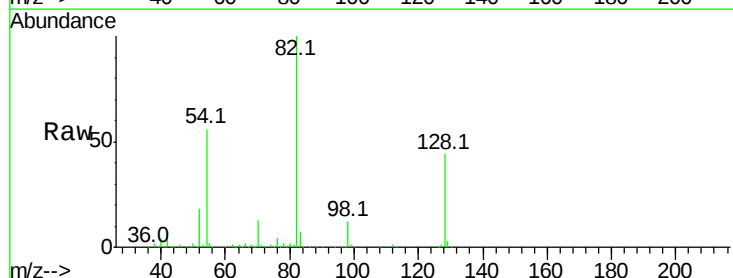
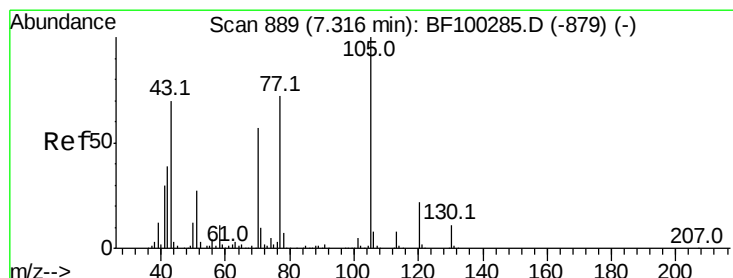
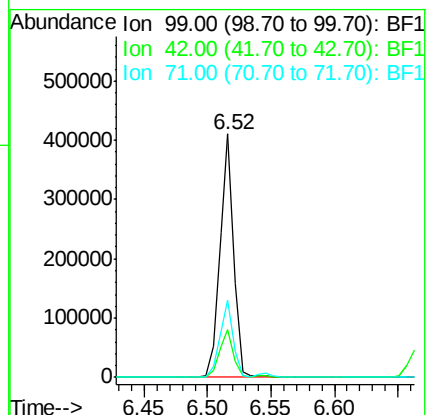
Tot Ion: 99 Resp: 314786

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

71 31.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.589 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.15 min

Lab File: BF100425.D

Acq: 11 Nov 2017 7:04

Tgt Ion: 70 Resp: 122481

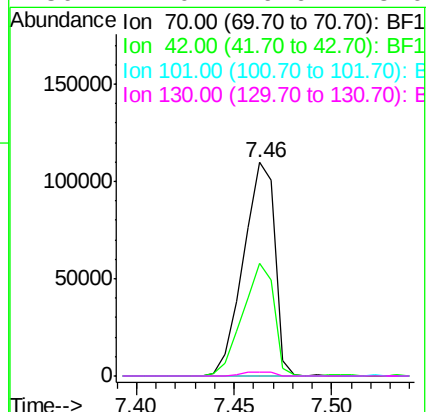
Ion Ratio Lower Upper

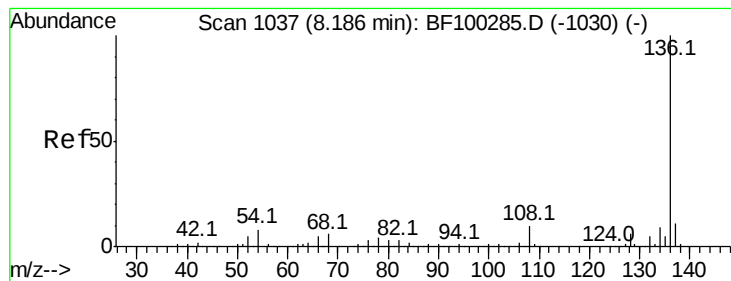
70 100

42 52.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 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: BF100425.D

Acq: 11 Nov 2017 7:04

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 621322

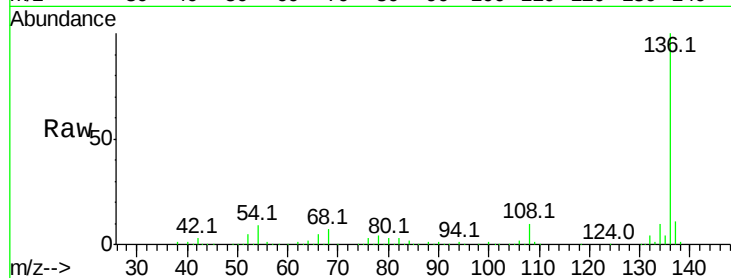
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 9.3 6.6 9.8

68 6.8 5.0 7.4

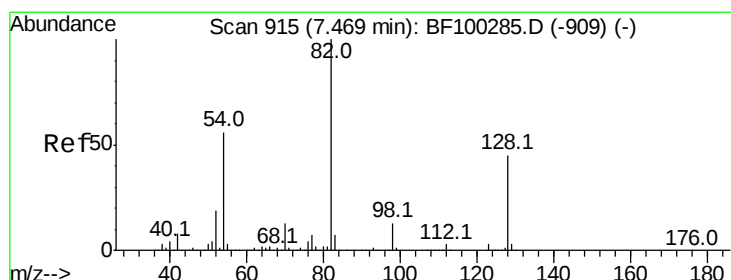
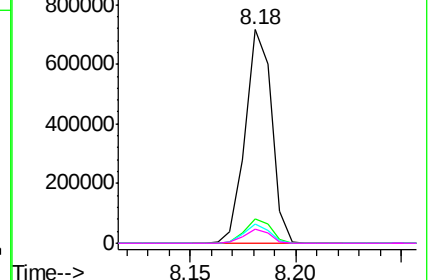
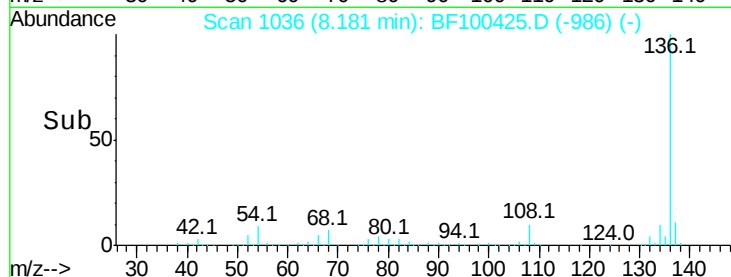


Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.614 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.01 min

Lab File: BF100425.D

Acq: 11 Nov 2017 7:04

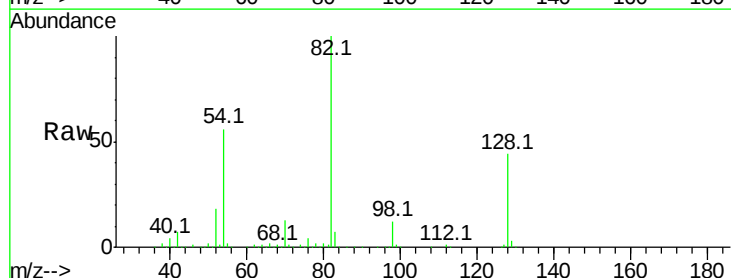
Tgt Ion: 82 Resp: 917359

Ion Ratio Lower Upper

82 100

128 44.4 36.1 54.1

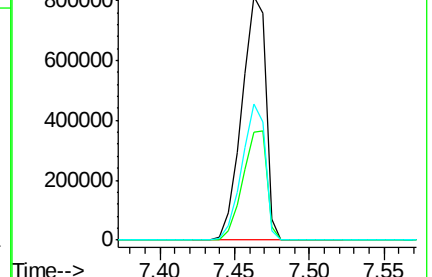
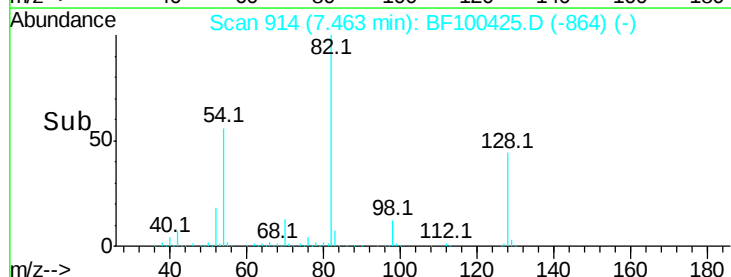
54 55.6 41.4 62.2

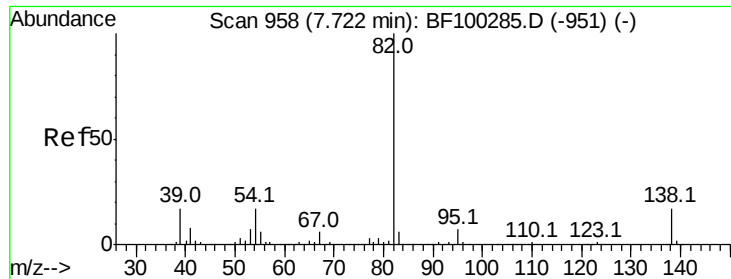


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 46.312 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.26 min

Lab File: BF100425.D

Acq: 11 Nov 2017 7:04

Instrument :
BNA_F
ClientSampled :

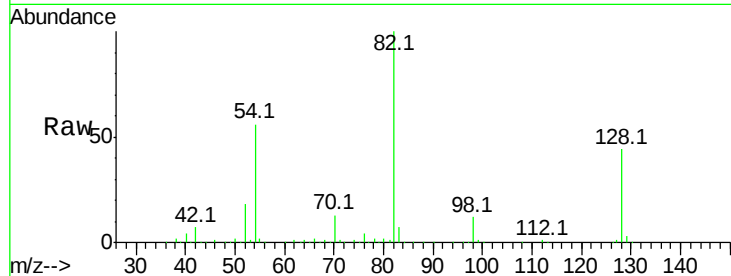
Tot Ion: 82 Resp: 914603

Ion Ratio Lower Upper

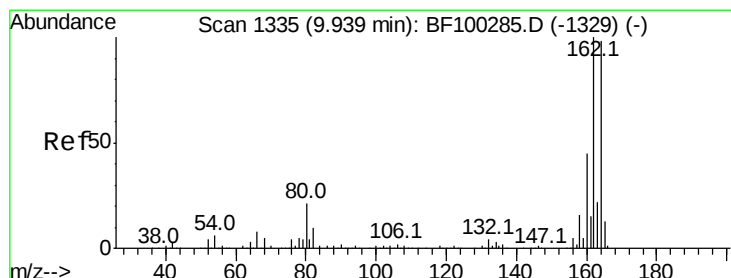
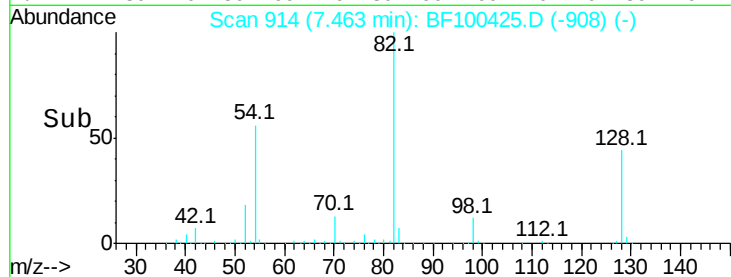
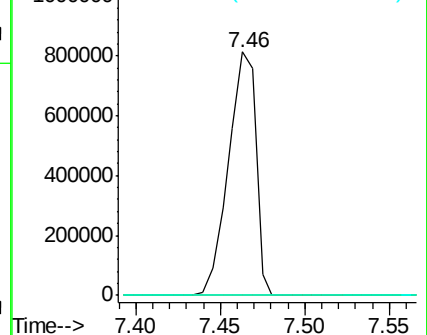
82 100

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: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF100425.D

Acq: 11 Nov 2017 7:04

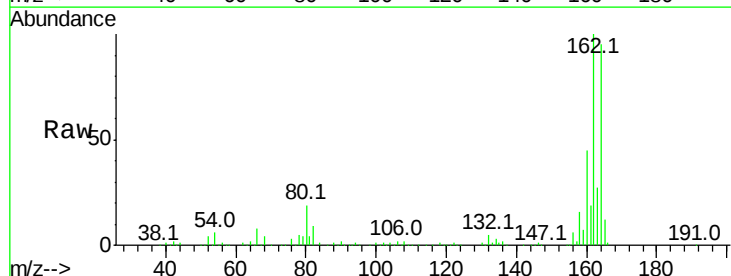
Tgt Ion:164 Resp: 263217

Ion Ratio Lower Upper

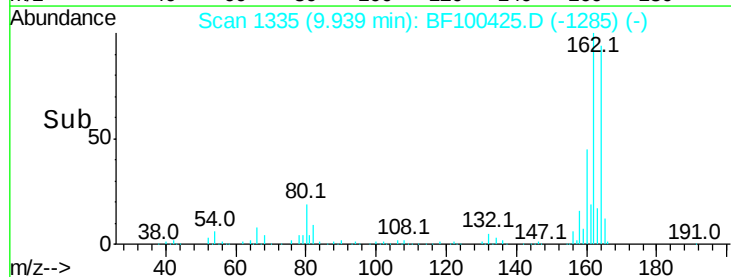
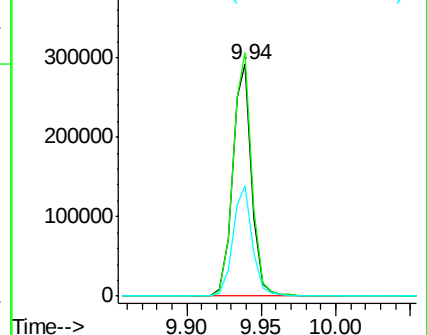
164 100

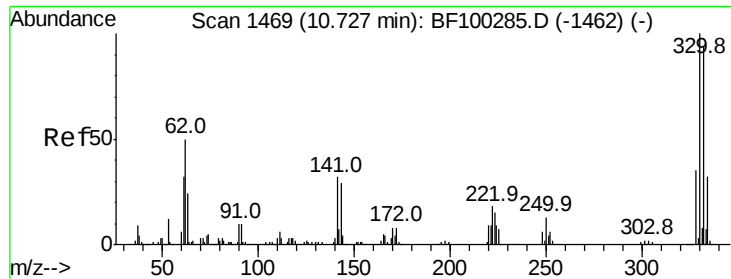
162 105.1 86.1 129.1

160 47.8 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

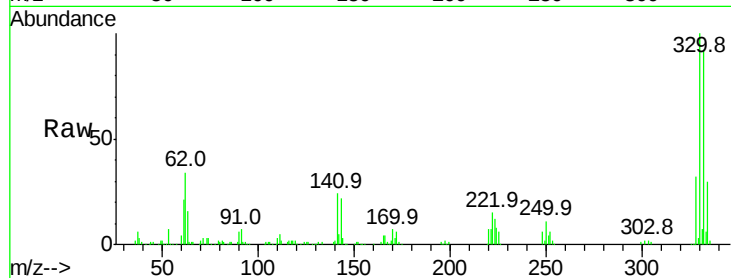




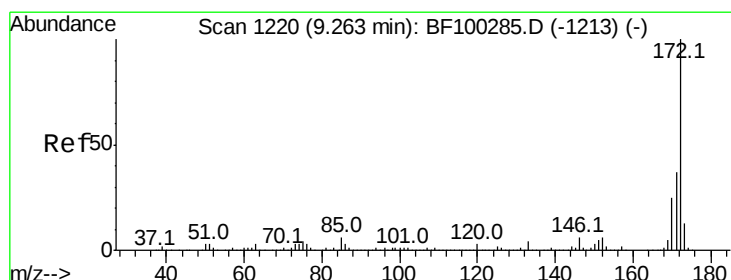
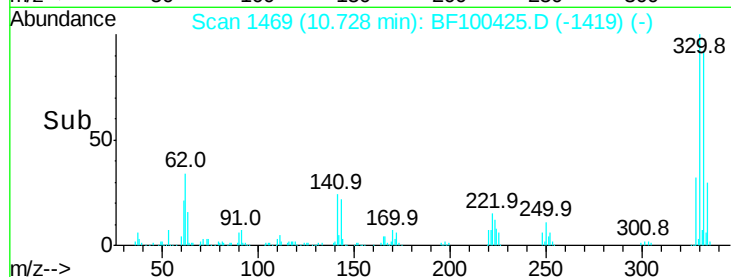
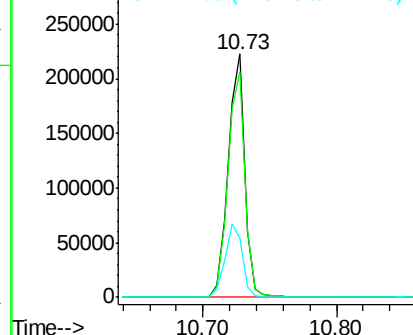
#41
 2,4,6-Tribromophenol
 Concen: 73.661 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: BF100425.D
 Acq: 11 Nov 2017 7:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	31.4	29.9	44.9

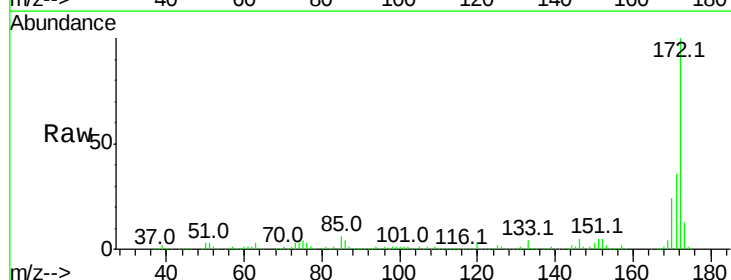


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

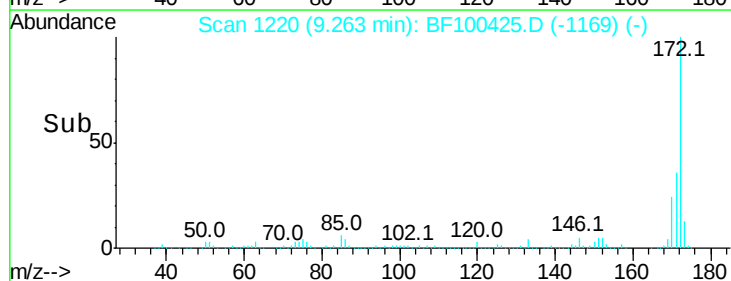
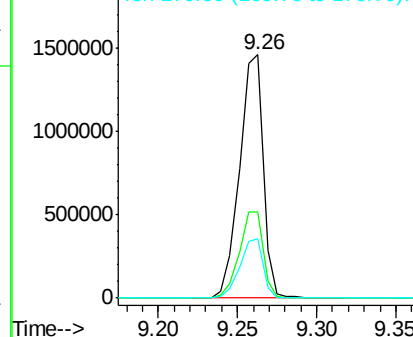


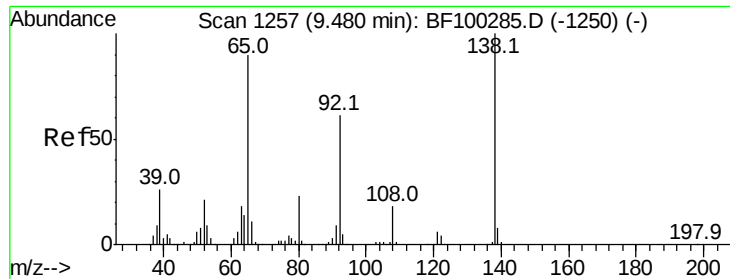
#44
 2-Fluorobiphenyl
 Concen: 87.618 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: BF100425.D
 Acq: 11 Nov 2017 7:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	24.1	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

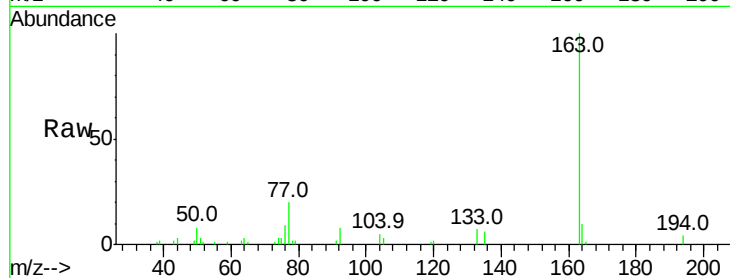




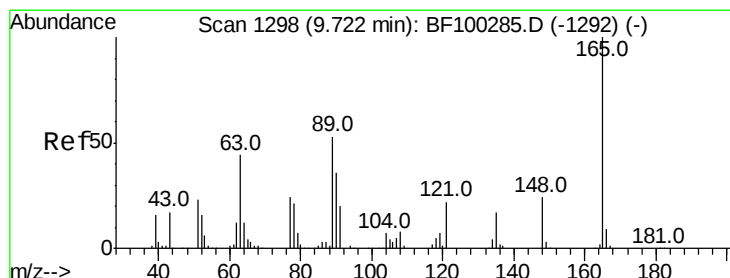
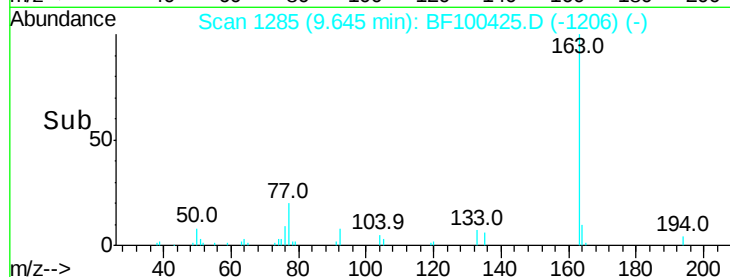
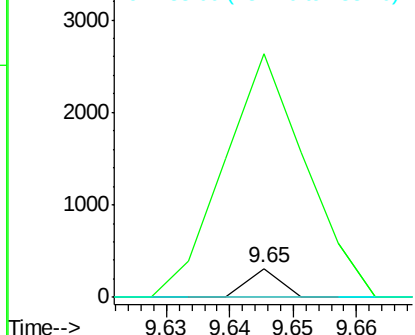
#47
2-Nitroaniline
Concen: 2.805 ng
RT: 9.65 min Scan# 1285
Delta R.T. 0.16 min
Lab File: BF100425.D
Acq: 11 Nov 2017 7:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 65 Resp: 110
Ion Ratio Lower Upper
65 100
92 846.6 55.8 83.6#
138 0.0 91.2 136.8#

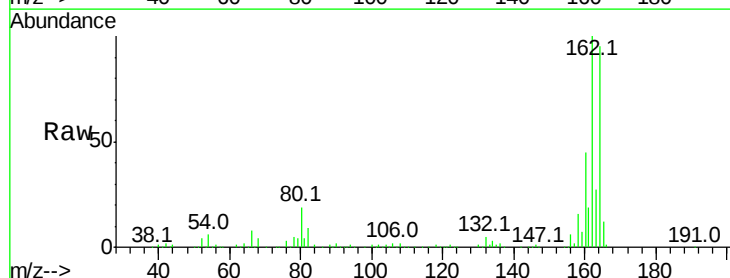


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

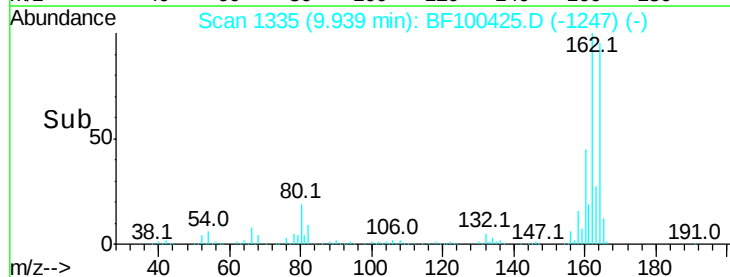
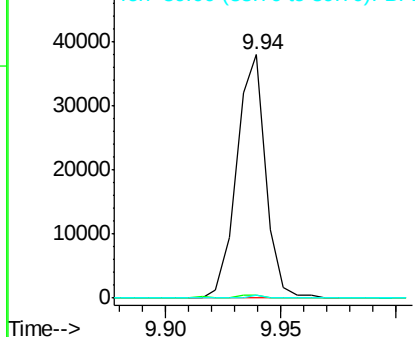


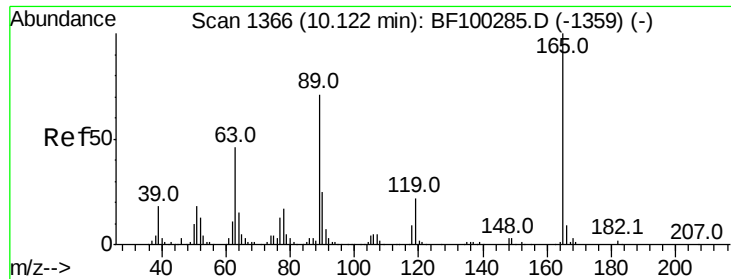
#50
2,6-Dinitrotoluene
Concen: 8.373 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.22 min
Lab File: BF100425.D
Acq: 11 Nov 2017 7:04

Tgt Ion:165 Resp: 33310
Ion Ratio Lower Upper
165 100
63 1.3 44.7 67.1#
89 1.3 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

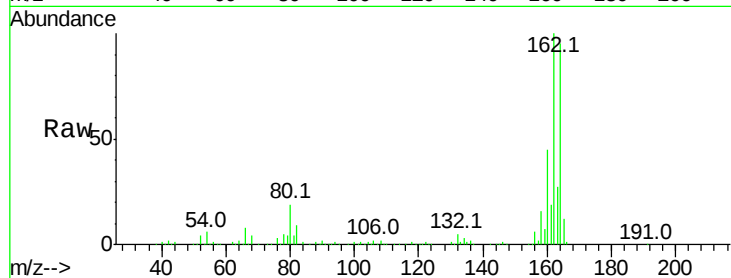




#56
 2,4-Dinitrotoluene
 Concen: 6.637 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.19 min
 Lab File: BF100425.D
 Acq: 11 Nov 2017 7:04

Instrument :
 BNA_F
 ClientSampleId :

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

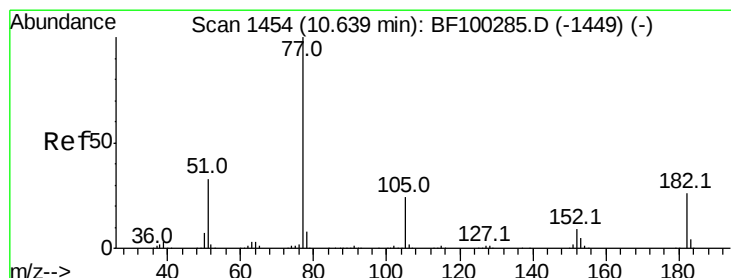
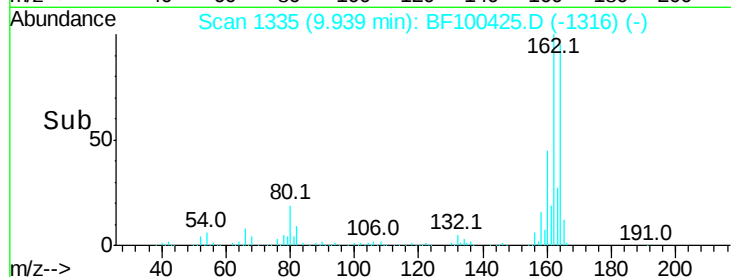
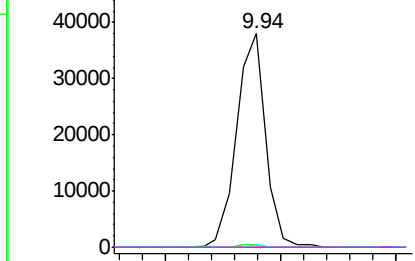


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

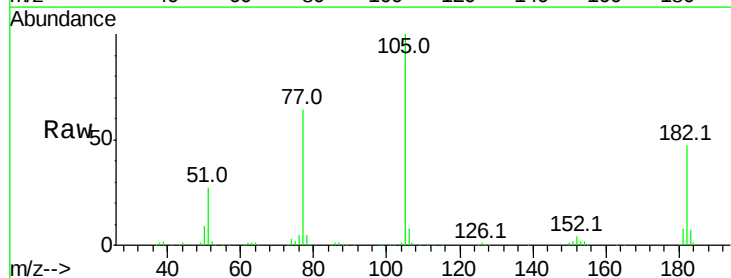
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#62
 Azobenzene
 Concen: 6.741 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF100425.D
 Acq: 11 Nov 2017 7:04

Tgt Ion	Ratio	Lower	Upper
77	100		
182	74.0	1.7	41.7#
105	157.1	3.0	43.0#
51	43.0	9.9	49.9

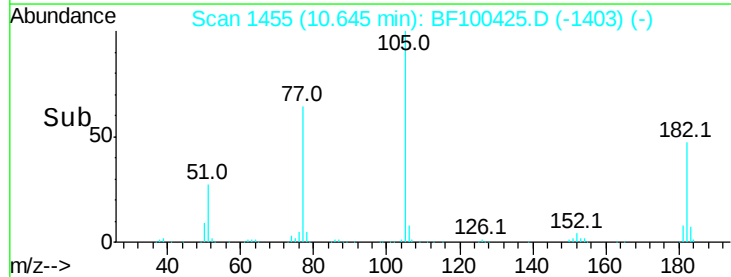
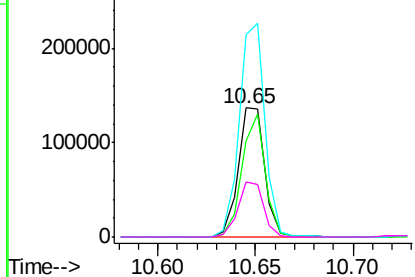


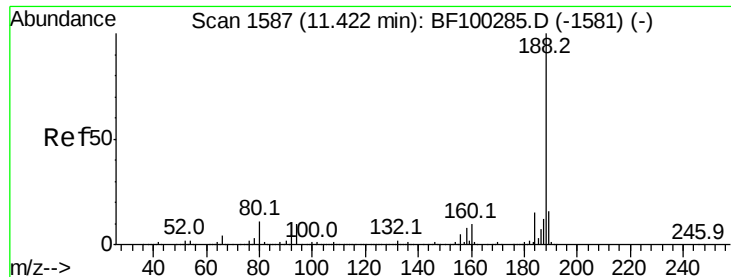
Abundance Ion 77.00 (76.70 to 77.70): BF1

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

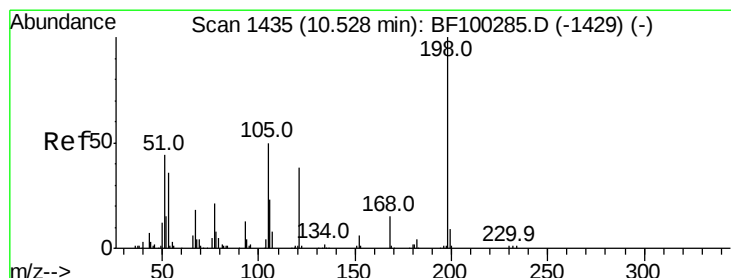
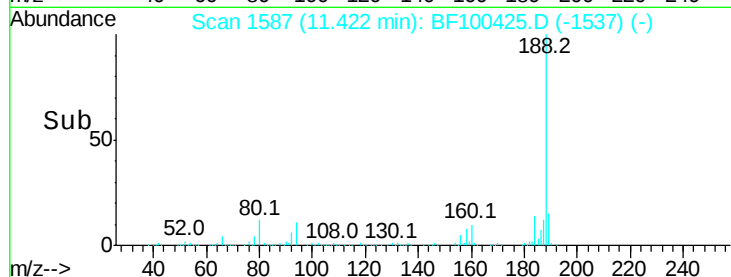
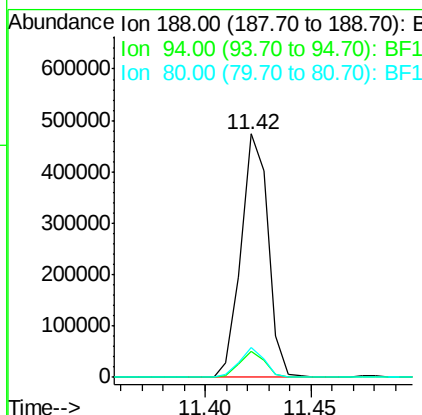
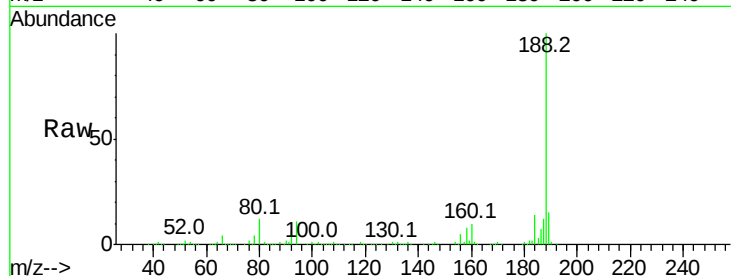




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF100425.D
Acq: 11 Nov 2017 7:04

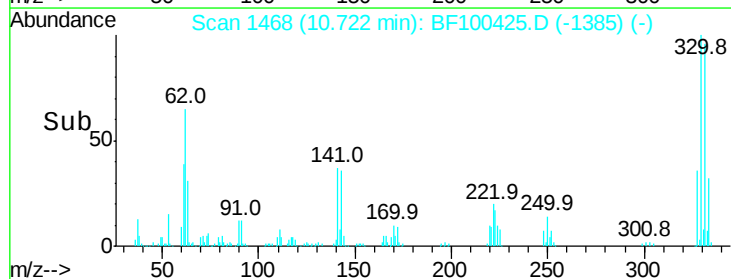
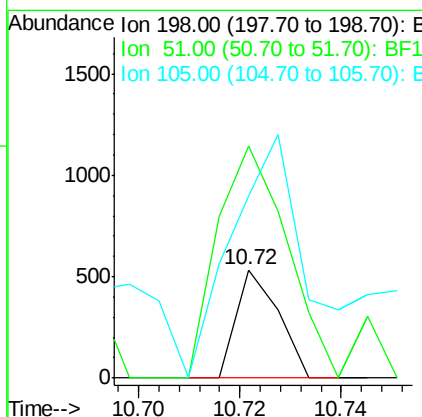
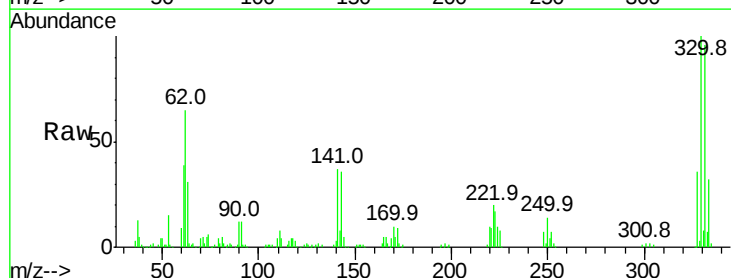
Instrument :
BNA_F
ClientSampleId :

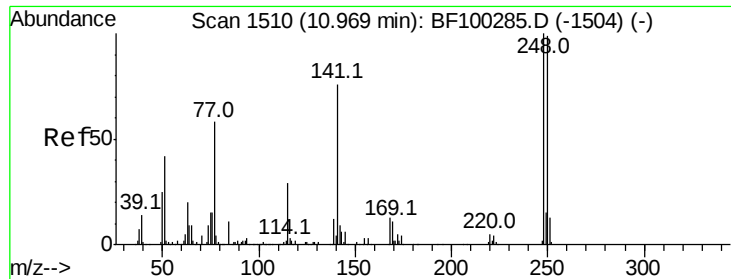
Tot Ion:188 Resp: 421503
Ion Ratio Lower Upper
188 100
94 10.7 8.5 12.7
80 12.0 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.689 ng
RT: 10.72 min Scan# 1468
Delta R.T. 0.19 min
Lab File: BF100425.D
Acq: 11 Nov 2017 7:04

Tgt Ion:198 Resp: 308
Ion Ratio Lower Upper
198 100
51 215.2 37.7 77.7#
105 169.0 36.3 76.3#

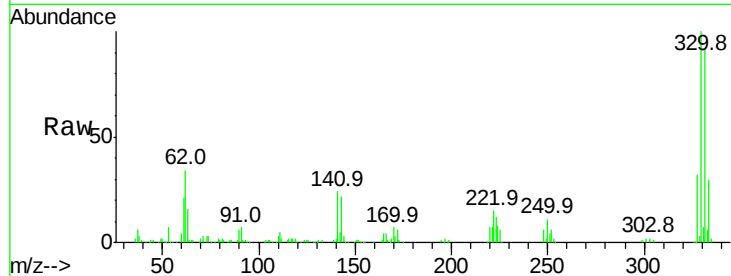




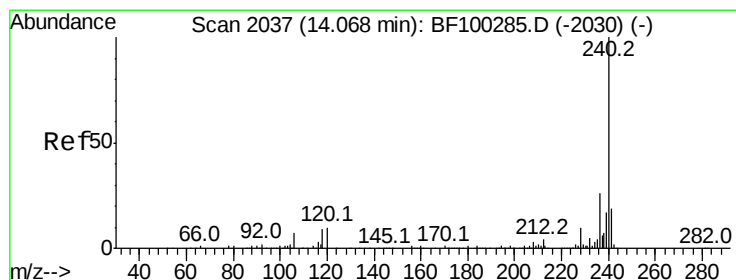
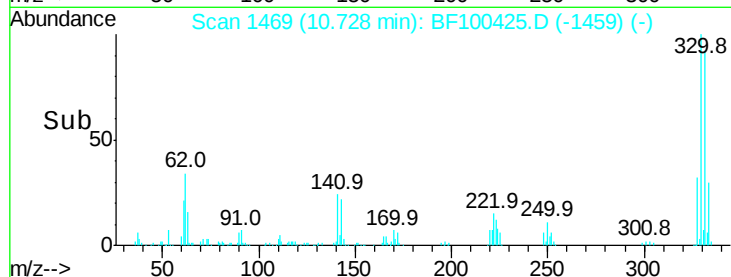
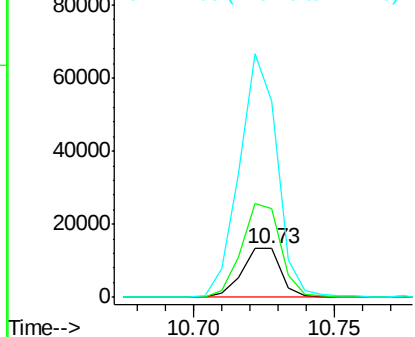
#66
4-Bromophenyl-phenylether
Concen: 2.813 ng
RT: 10.73 min Scan# 1469
Delta R.T. -0.24 min
Lab File: BF100425.D
Acq: 11 Nov 2017 7:04

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 12709
Ion Ratio Lower Upper
248 100
250 181.6 76.9 115.3#
141 402.9 74.4 111.6#

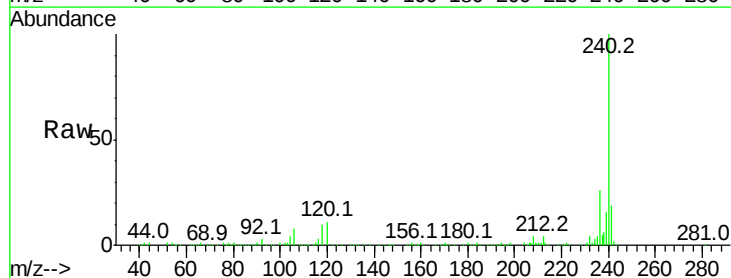


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

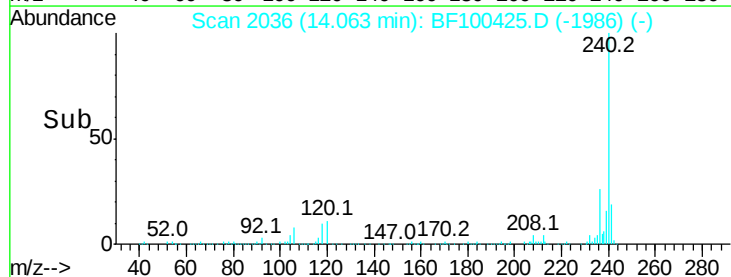
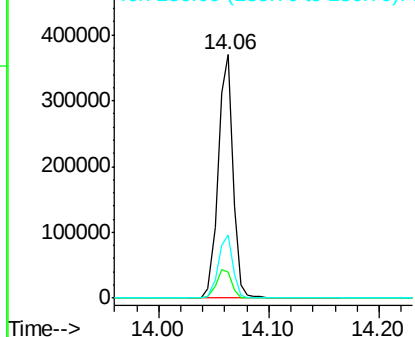


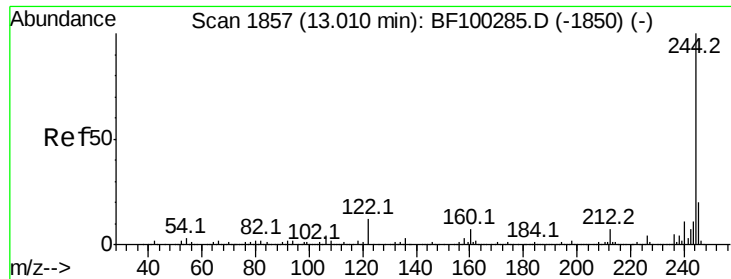
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF100425.D
Acq: 11 Nov 2017 7:04

Tgt Ion:240 Resp: 344914
Ion Ratio Lower Upper
240 100
120 10.6 9.5 14.3
236 26.1 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: 75.549 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.00 min

Lab File: BF100425.D

Acq: 11 Nov 2017 7:04

Instrument :

BNA_F

ClientSampleId :

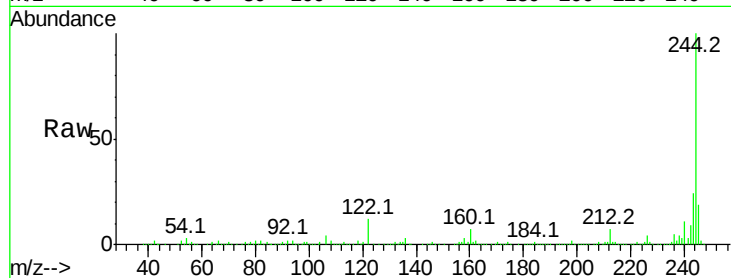
Tot Ion:244 Resp: 1134082

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

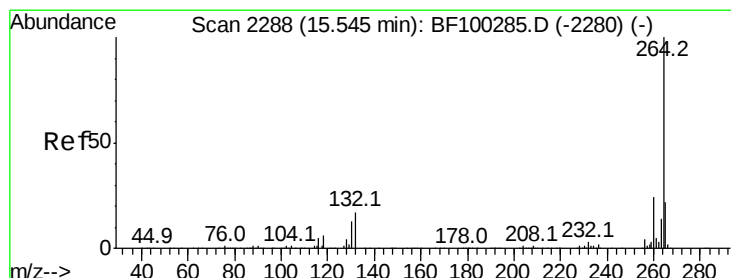
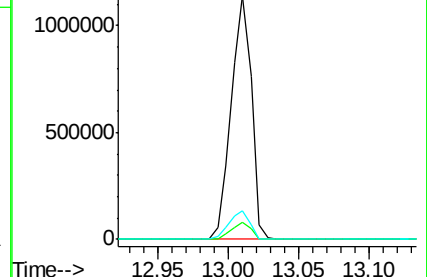
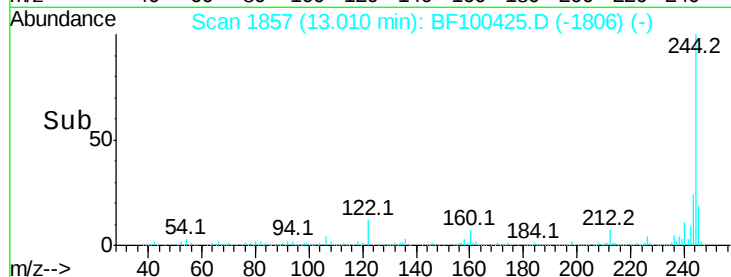
122 11.8 11.0 16.4



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: BF100425.D

Acq: 11 Nov 2017 7:04

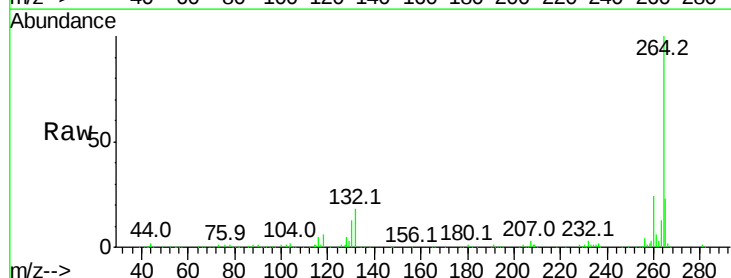
Tgt Ion:264 Resp: 262433

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

265 22.5 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

