

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111517\
 Data File : BF100587.D
 Acq On : 15 Nov 2017 14:50
 Operator : SJ/JU
 Sample : I6422-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 16 03:32:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 15 13:27:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	126032	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	478853	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	200035	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	293081	20.00	ng	0.00
75) Chrysene-d12	14.04	240	263016	20.00	ng	-0.01
86) Perylene-d12	15.52	264	262822	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	678278	86.27	ng	0.00
7) Phenol-d6	6.51	99	807437	83.28	ng	0.00
23) Nitrobenzene-d5	7.45	82	503817	69.56	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	156281	76.67	ng	-0.01
44) 2-Fluorobiphenyl	9.24	172	782423	59.56	ng	0.00
78) Terphenyl-d14	12.99	244	472269	41.26	ng	0.00

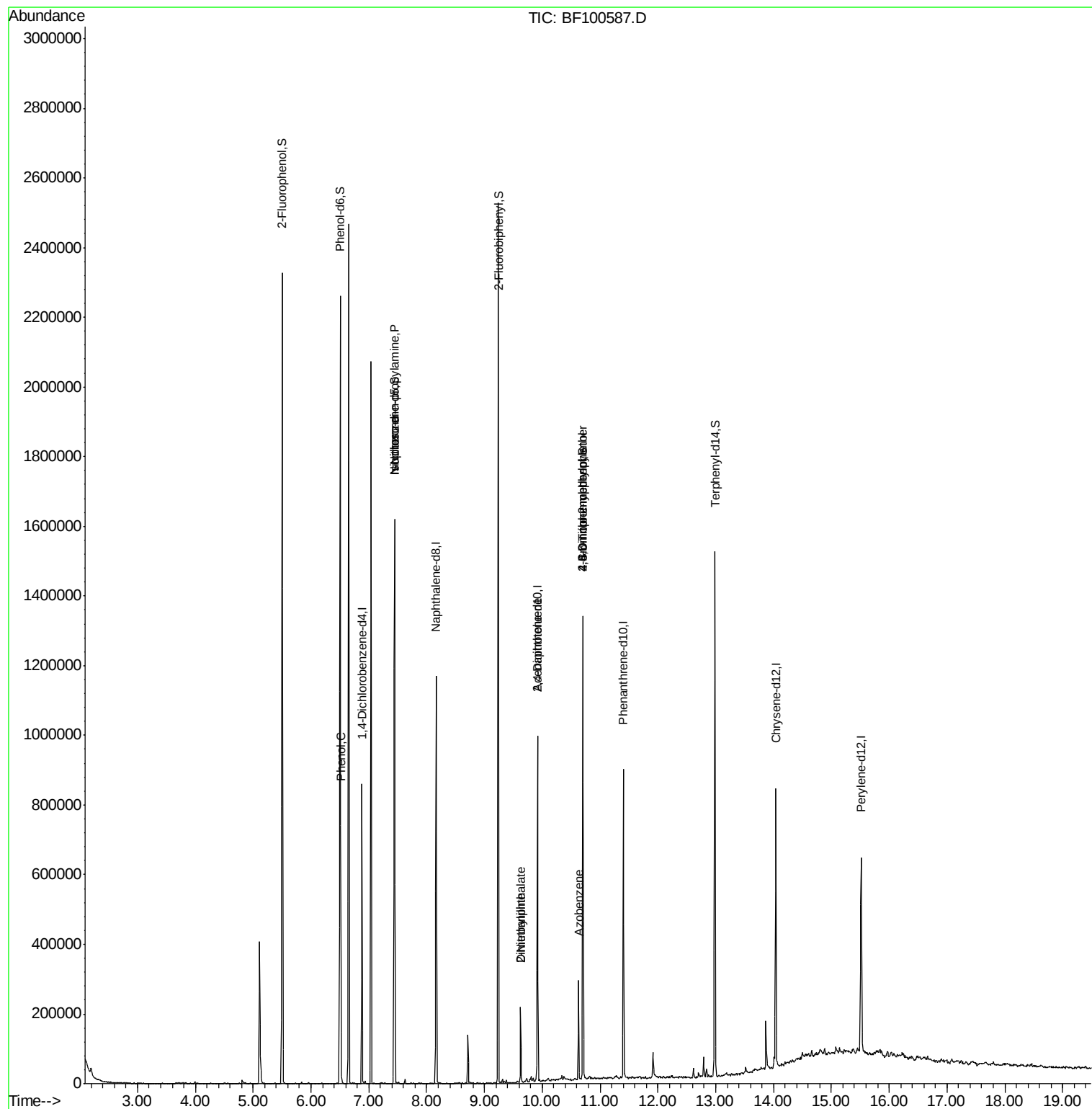
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	37646	3.70	ng	92
19) n-Nitroso-di-n-propylamine	7.45	70	64822	9.64	ng	# 82
25) Isophorone	7.45	82	503669	33.09	ng	# 64
47) 2-Nitroaniline	9.63	65	680	2.96	ng	# 1
49) Dimethylphthalate	9.63	163	75095	4.92	ng	99
56) 2,4-Dinitrotoluene	9.92	165	25161	6.60	ng	# 23
62) Azobenzene	10.63	77	43094	2.99	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.70	198	288	8.73	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	9583	3.05	ng	# 1

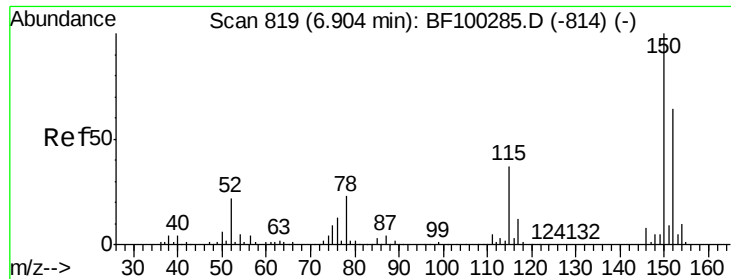
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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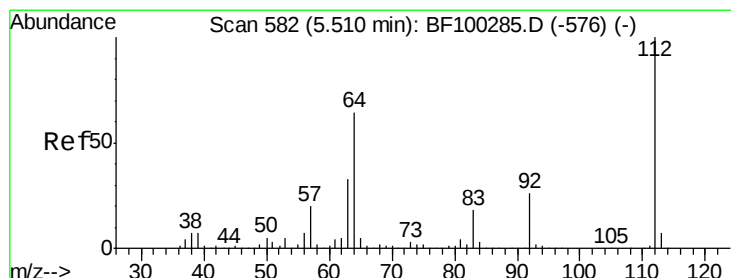
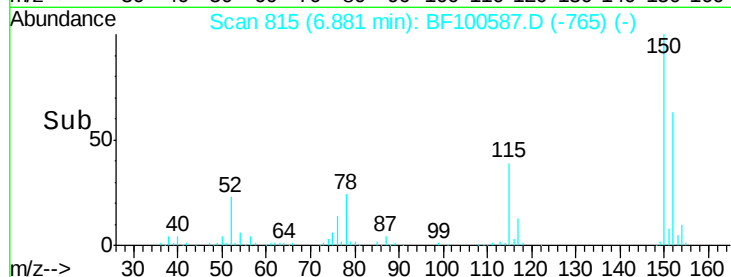
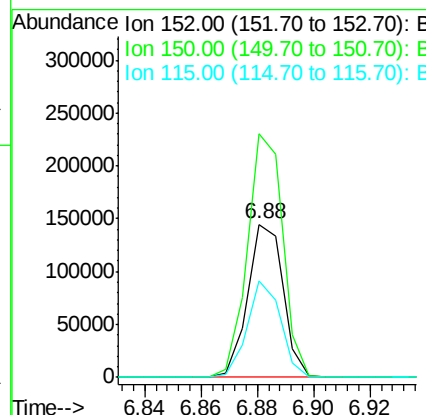
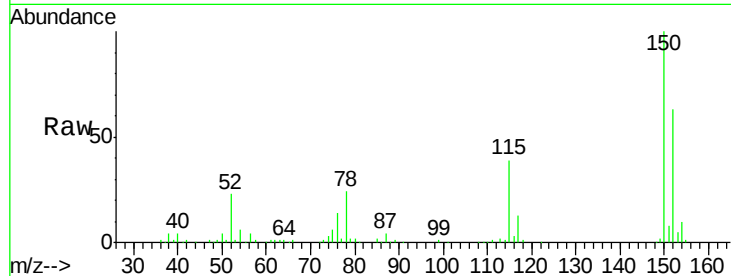


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF100587.D
 Acq: 15 Nov 2017 14:50

Instrument :
 BNA_F
 ClientSampleId :

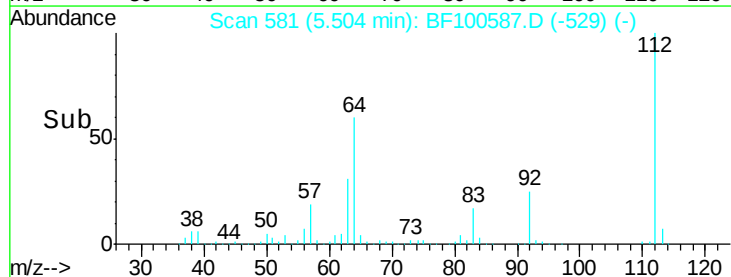
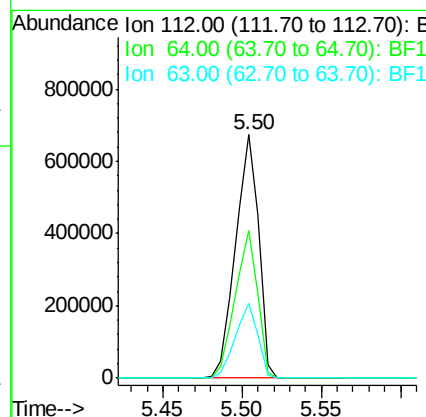
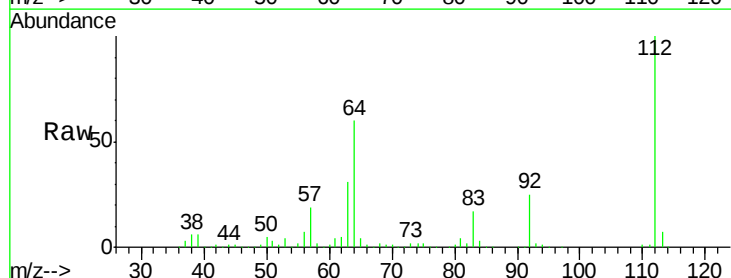
Tot Ion:152 Resp: 126032
 Ion Ratio Lower Upper
 152 100
 150 158.8 124.6 186.8
 115 62.5 50.1 75.1



#5

2-Fluorophenol
 Concen: 86.27 ng
 RT: 5.50 min Scan# 581
 Delta R.T. 0.01 min
 Lab File: BF100587.D
 Acq: 15 Nov 2017 14:50

Tgt Ion:112 Resp: 678278
 Ion Ratio Lower Upper
 112 100
 64 60.4 47.9 71.9
 63 30.8 23.7 35.5





#7

Phenol-d6

Concen: 83.28 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF100587.D

Acq: 15 Nov 2017 14:50

Instrument :

BNA_F

ClientSampled :

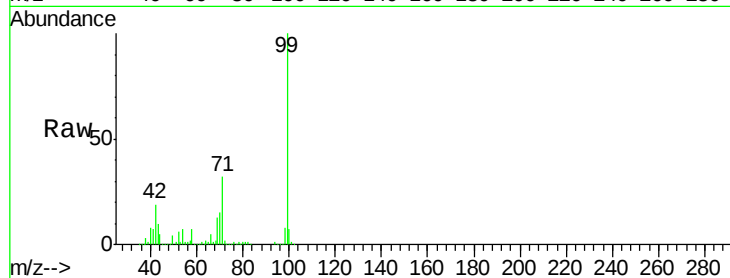
Tot Ion: 99 Resp: 807437

Ion Ratio Lower Upper

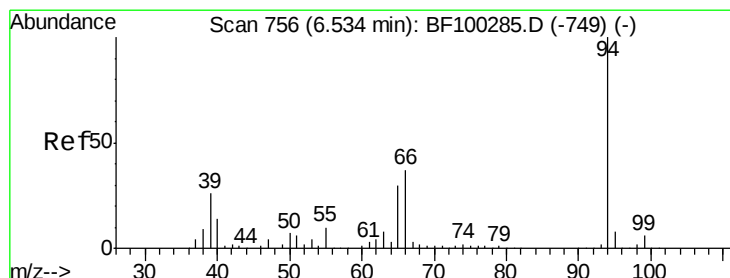
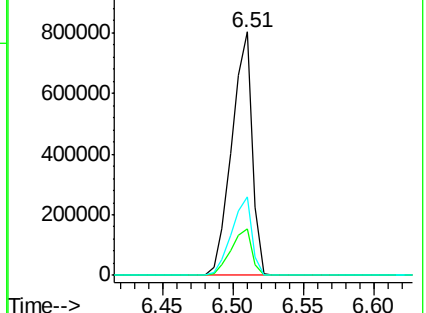
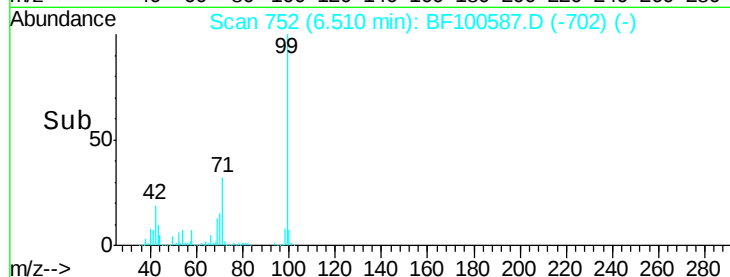
99 100

42 19.2 14.5 21.7

71 32.1 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: 3.70 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF100587.D

Acq: 15 Nov 2017 14:50

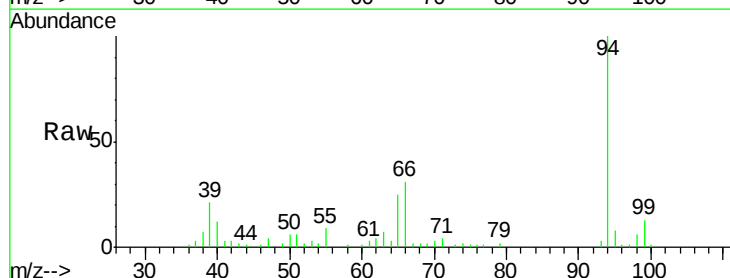
Tgt Ion: 94 Resp: 37646

Ion Ratio Lower Upper

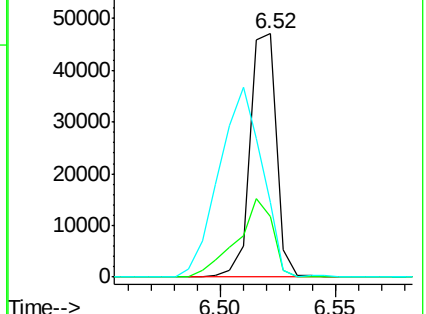
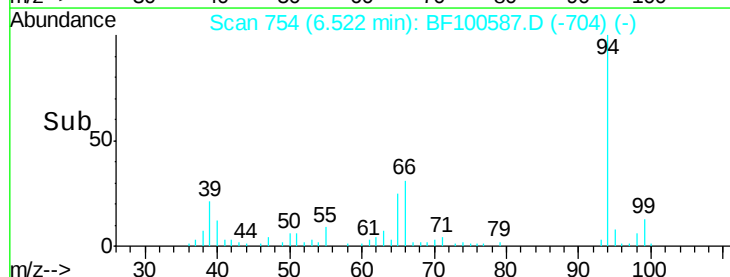
94 100

65 24.9 7.9 47.9

66 30.7 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

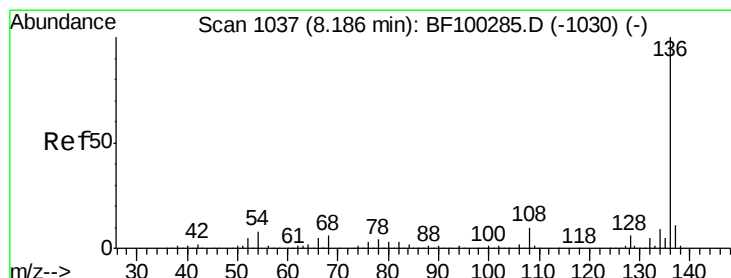
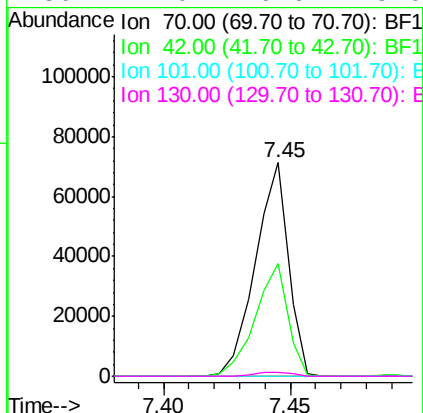
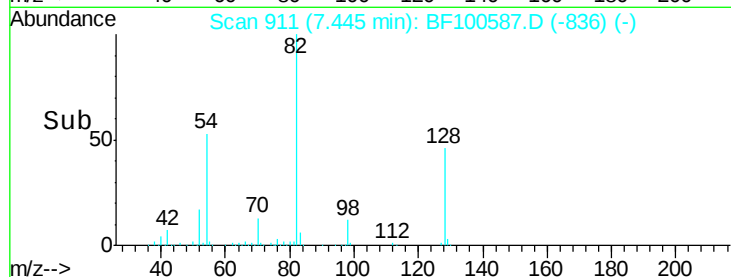
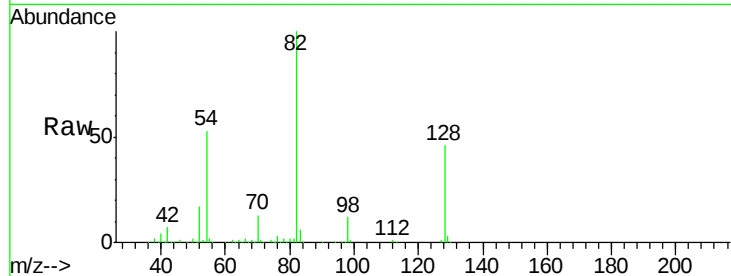




#19
n-Nitroso-di-n-propylamine
Concen: 9.64 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.14 min
Lab File: BF100587.D
Acq: 15 Nov 2017 14:50

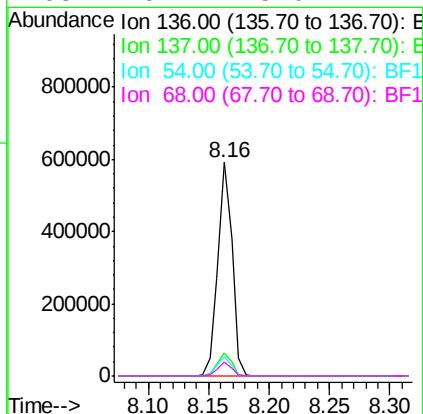
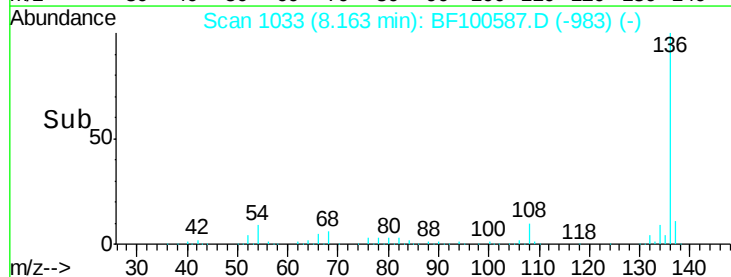
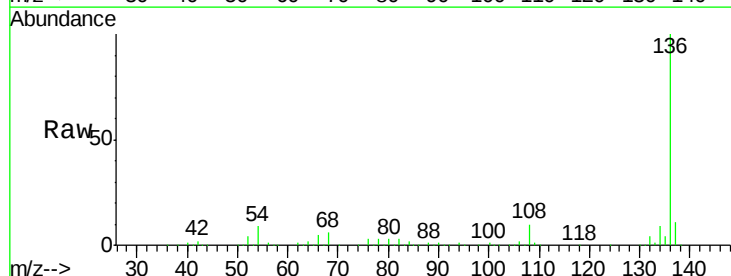
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 64822
Ion Ratio Lower Upper
70 100
42 52.6 47.5 71.3
101 0.0 7.4 11.2#
130 2.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF100587.D
Acq: 15 Nov 2017 14:50

Tgt Ion:136 Resp: 478853
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 8.8 6.6 9.8
68 6.4 5.0 7.4





#23

Nitrobenzene-d5

Concen: 69.56 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF100587.D

Acq: 15 Nov 2017 14:50

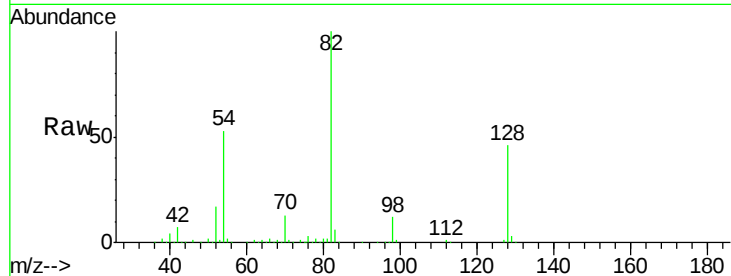
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 82 Resp: 503817

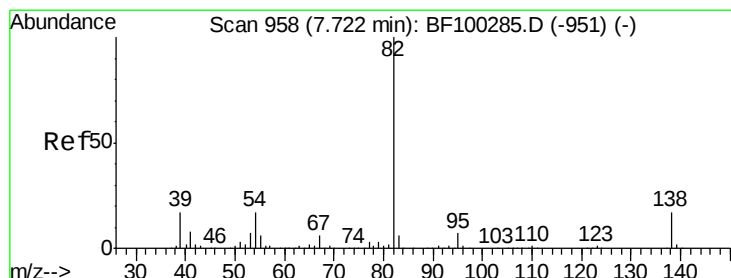
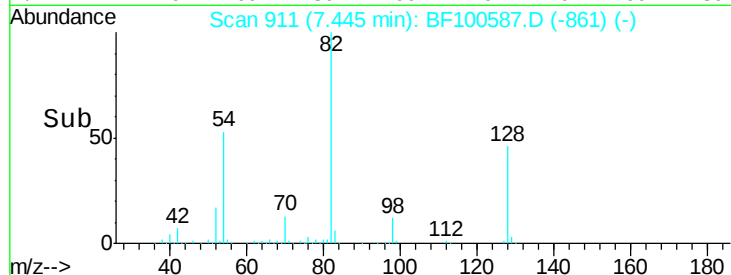
Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.1	54.1
54	53.1	41.4	62.2



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: 33.09 ng

RT: 7.45 min Scan# 911

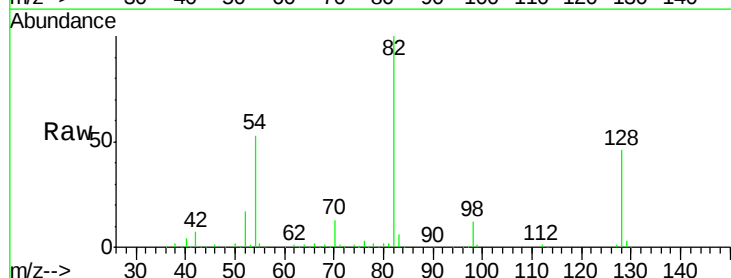
Delta R.T. -0.26 min

Lab File: BF100587.D

Acq: 15 Nov 2017 14:50

Tgt Ion: 82 Resp: 503669

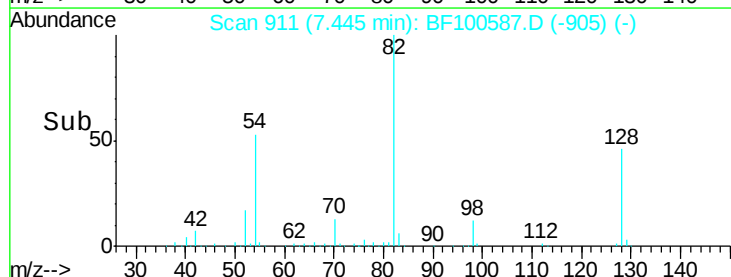
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

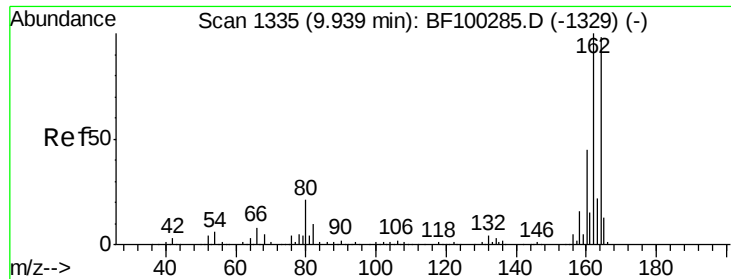


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

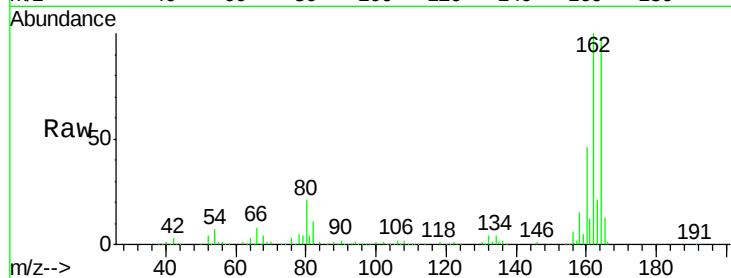




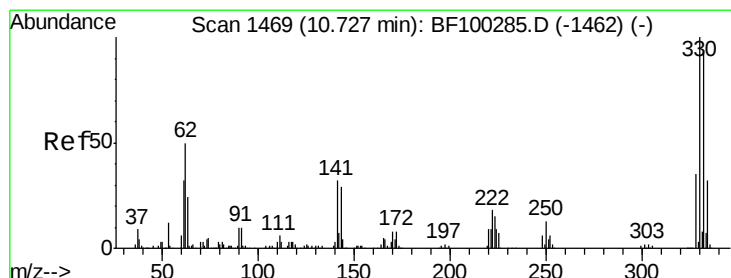
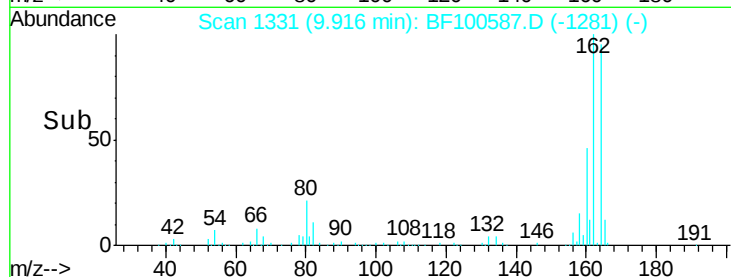
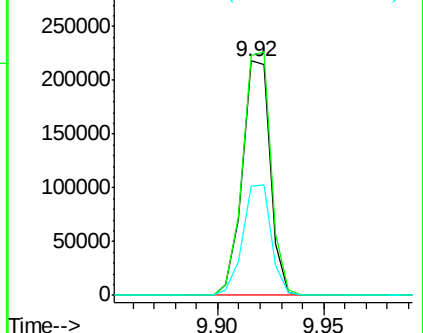
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF100587.D
 Acq: 15 Nov 2017 14:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.2	86.1	129.1
160	46.5	38.3	57.5

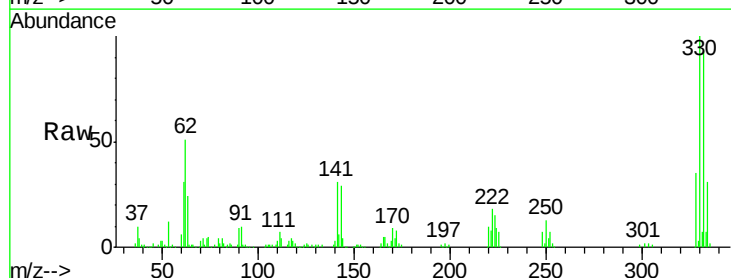


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

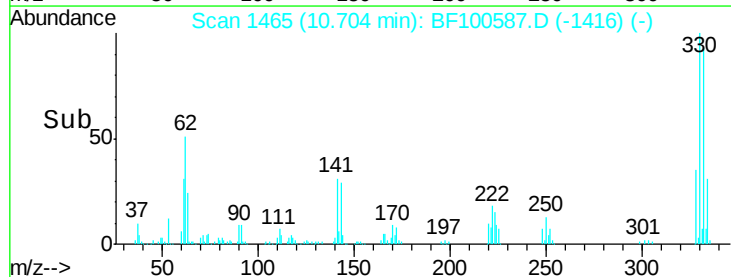
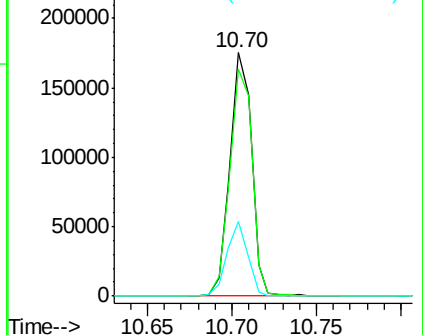


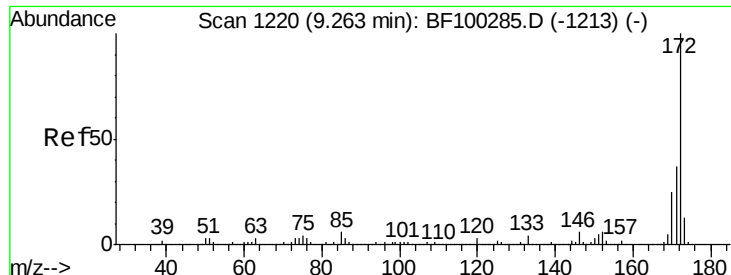
#41
 2,4,6-Tribromophenol
 Concen: 76.67 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100587.D
 Acq: 15 Nov 2017 14:50

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	29.3	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

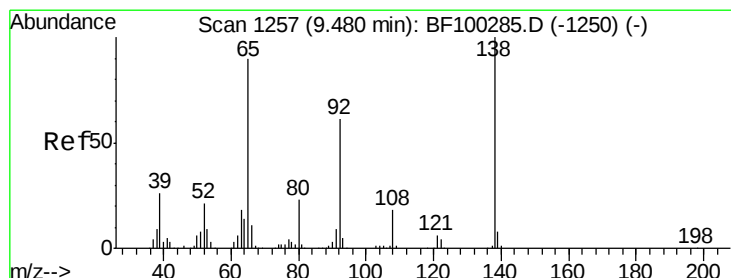
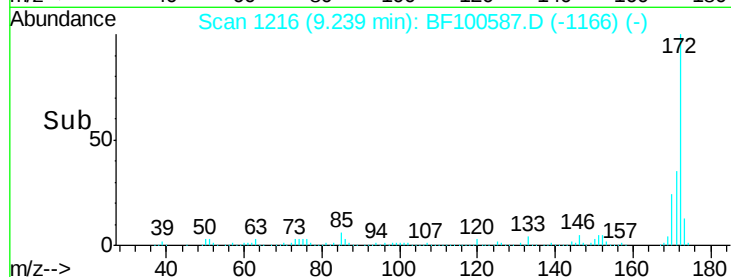
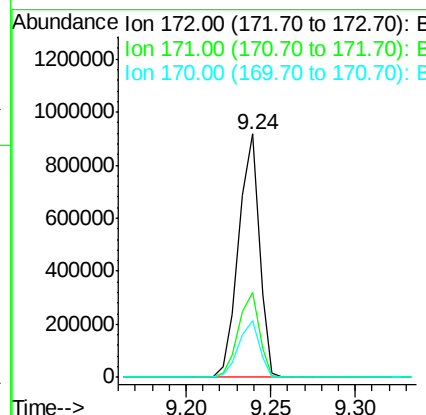
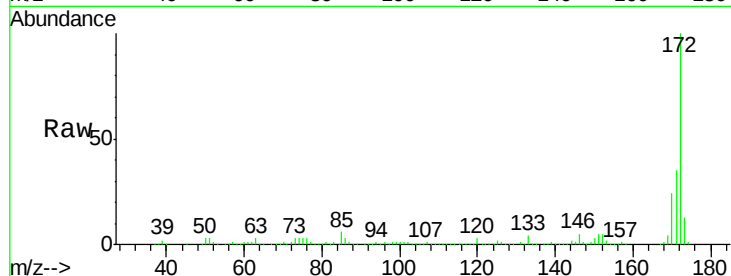




#44
2-Fluorobiphenyl
Concen: 59.56 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF100587.D
Acq: 15 Nov 2017 14:50

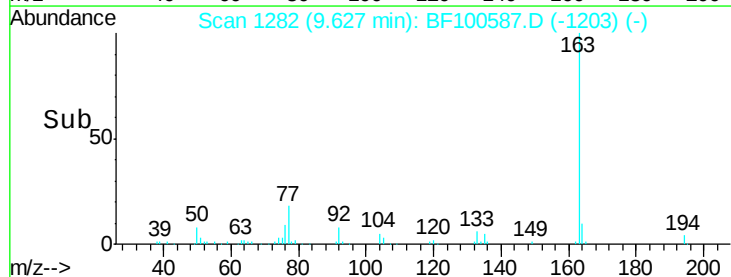
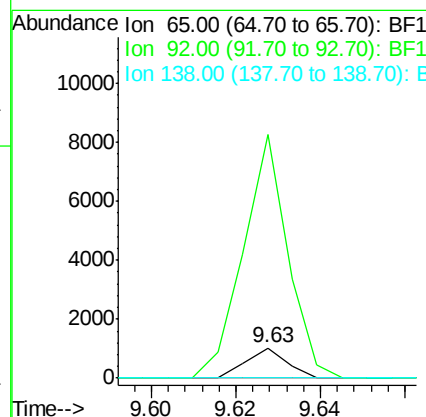
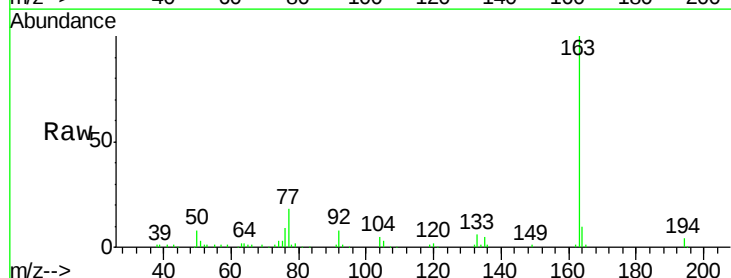
Instrument :
BNA_F
ClientSampleId :

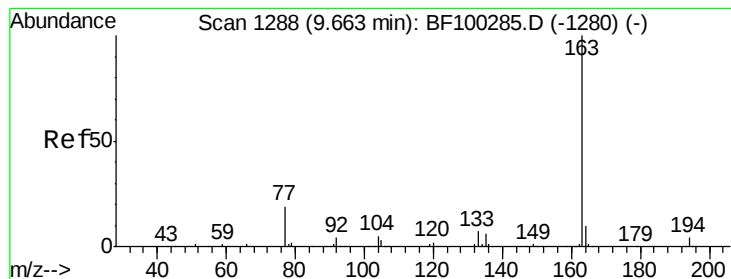
Tot Ion:172 Resp: 782423
Ion Ratio Lower Upper
172 100
171 34.8 29.7 44.5
170 23.5 19.6 29.4



#47
2-Nitroaniline
Concen: 2.96 ng
RT: 9.63 min Scan# 1282
Delta R.T. 0.16 min
Lab File: BF100587.D
Acq: 15 Nov 2017 14:50

Tgt Ion: 65 Resp: 680
Ion Ratio Lower Upper
65 100
92 804.0 55.8 83.6#
138 0.0 91.2 136.8#





#49

Dimethylphthalate

Concen: 4.92 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF100587.D

Acq: 15 Nov 2017 14:50

Instrument :

BNA_F

ClientSampled :

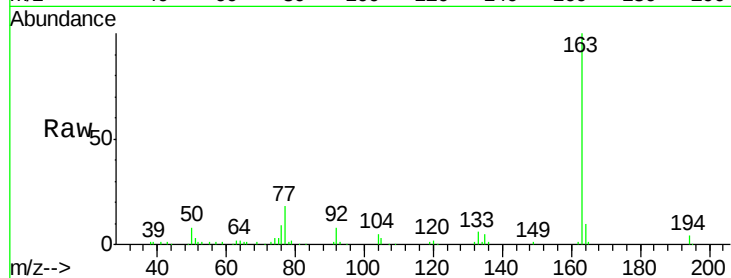
Tot Ion:163 Resp: 75095

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

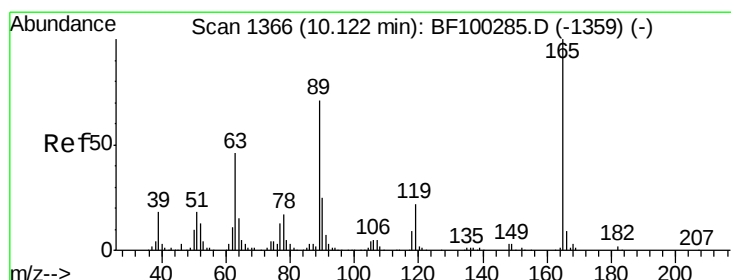
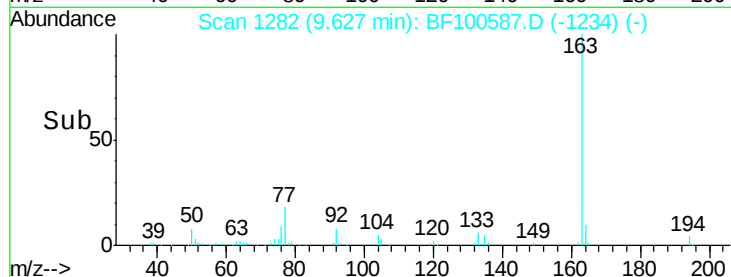
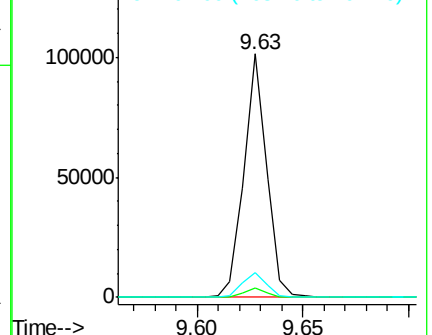
164 10.4 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.60 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF100587.D

Acq: 15 Nov 2017 14:50

Tgt Ion:165 Resp: 25161

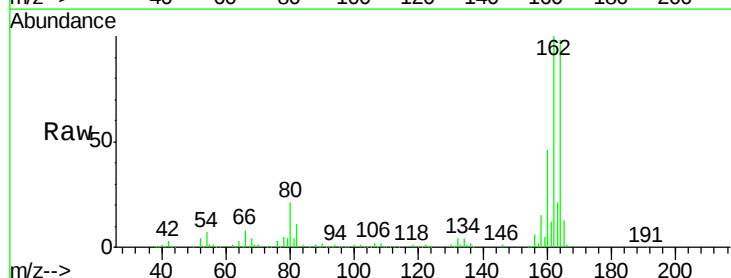
Ion Ratio Lower Upper

165 100

63 1.4 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

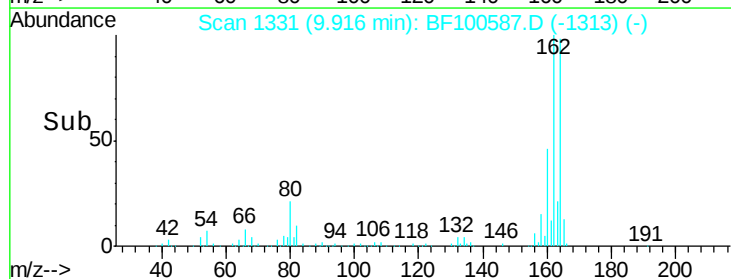
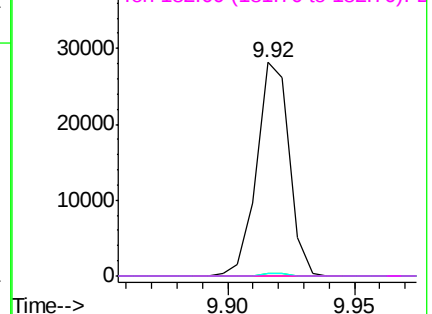


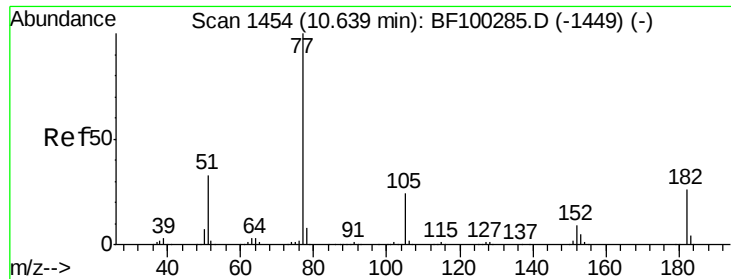
Abundance Ion 165.00 (164.70 to 165.70): E

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: 2.99 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.01 min

Lab File: BF100587.D

Acq: 15 Nov 2017 14:50

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 43094

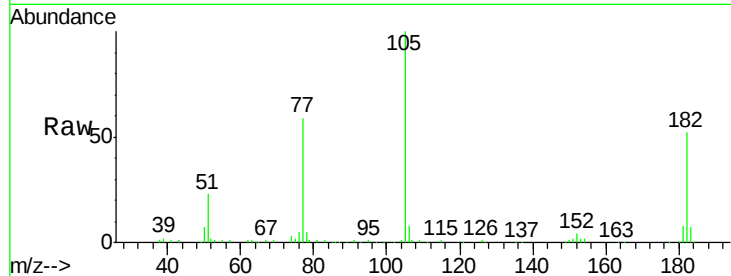
Ion Ratio Lower Upper

77 100

182 88.3 1.7 41.7#

105 168.8 3.0 43.0#

51 39.6 9.9 49.9

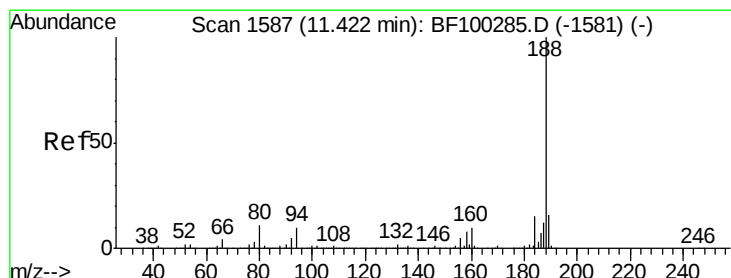
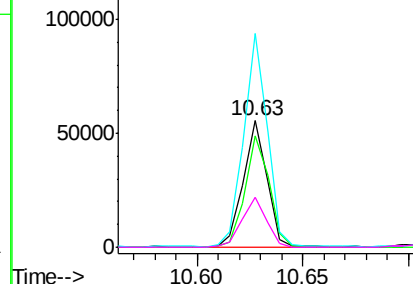
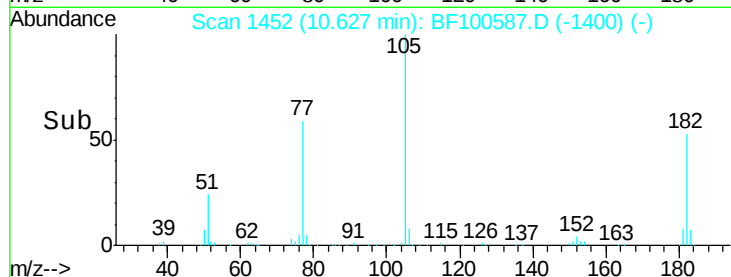


Abundance Ion 77.00 (76.70 to 77.70): BF1

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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF100587.D

Acq: 15 Nov 2017 14:50

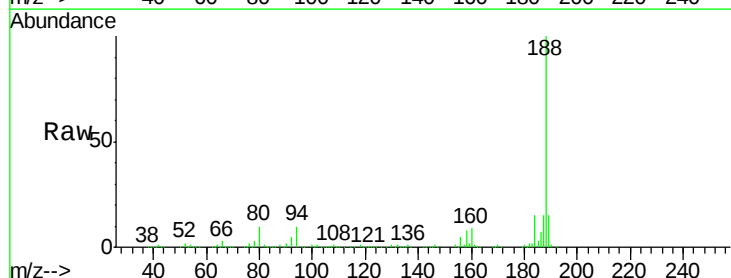
Tgt Ion: 188 Resp: 293081

Ion Ratio Lower Upper

188 100

94 9.8 8.5 12.7

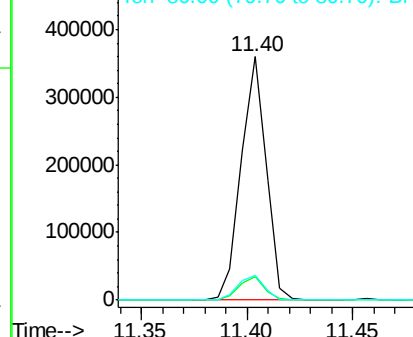
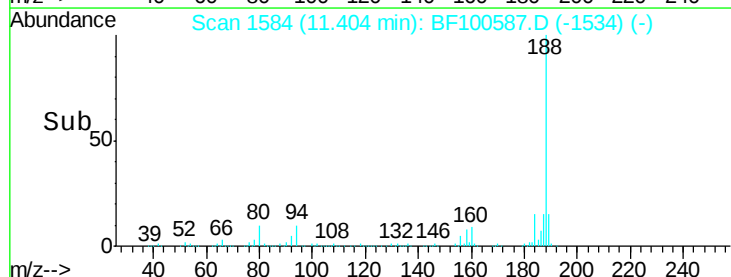
80 10.3 9.2 13.8



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

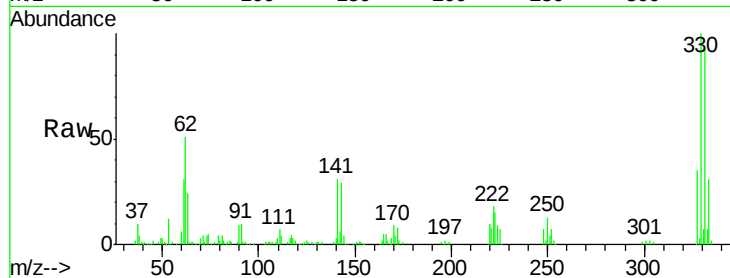




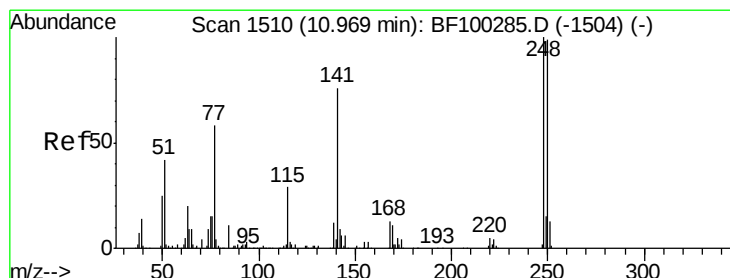
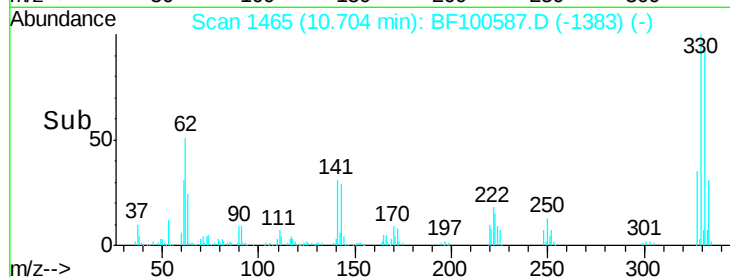
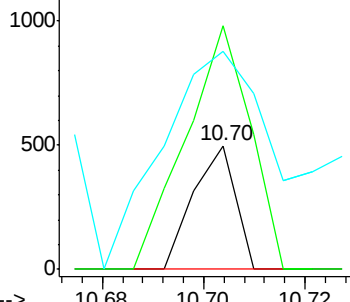
#64
4,6-Dinitro-2-methylphenol
Concen: 8.73 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.18 min
Lab File: BF100587.D
Acq: 15 Nov 2017 14:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 288
Ion Ratio Lower Upper
198 100
51 196.6 37.7 77.7#
105 176.4 36.3 76.3#

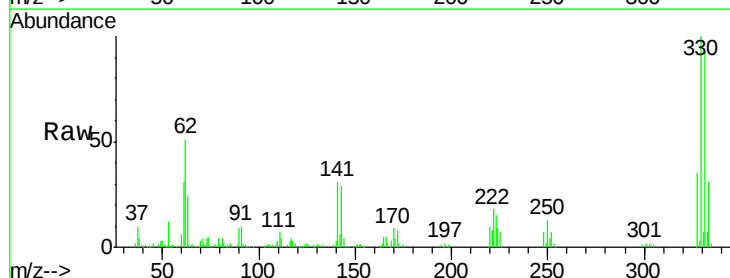


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

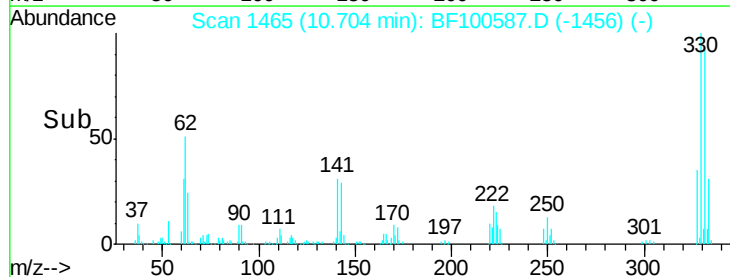
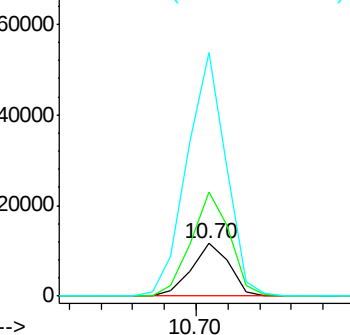


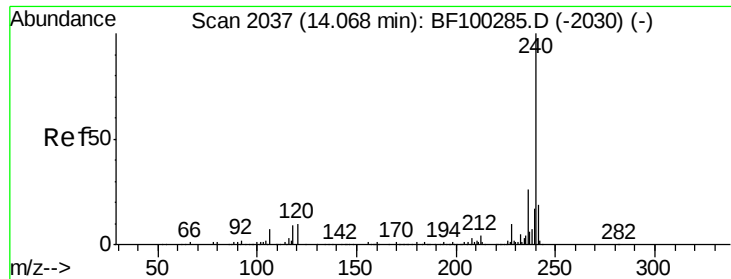
#66
4-Bromophenyl-phenylether
Concen: 3.05 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF100587.D
Acq: 15 Nov 2017 14:50

Tgt Ion:248 Resp: 9583
Ion Ratio Lower Upper
248 100
250 199.5 76.9 115.3#
141 463.9 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: 20.00 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF100587.D

Acq: 15 Nov 2017 14:50

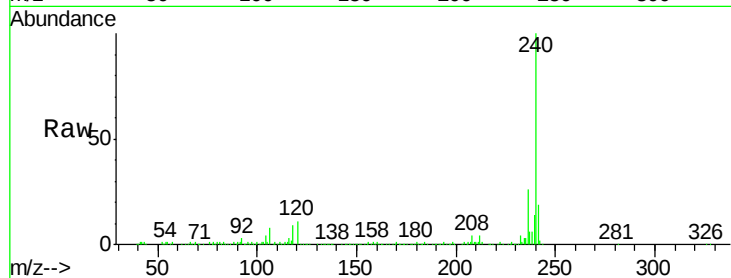
Instrument :

BNA_F

ClientSampleId :

Tot Ion:240 Resp: 263016

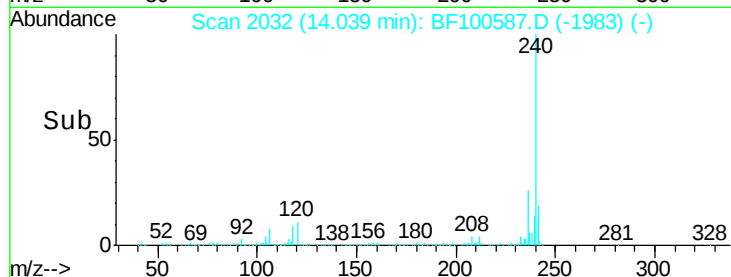
Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.5	14.3
236	25.7	20.7	31.1



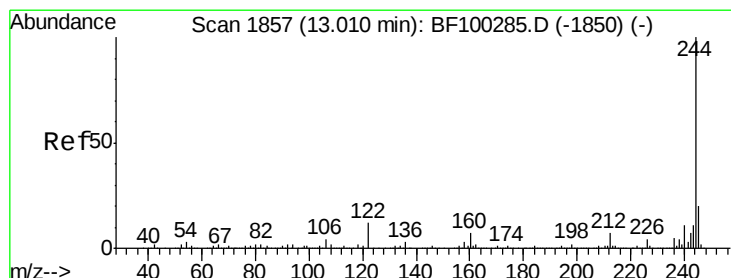
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Terphenyl-d14

Concen: 41.26 ng

RT: 12.99 min Scan# 1853

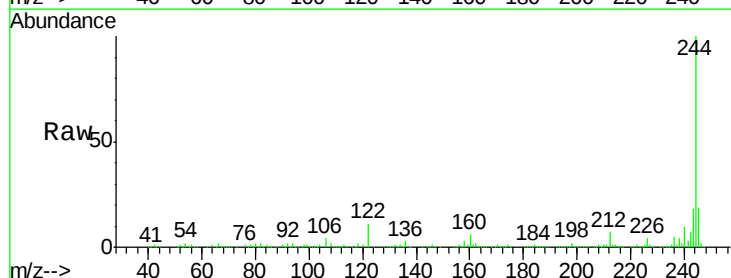
Delta R.T. -0.01 min

Lab File: BF100587.D

Acq: 15 Nov 2017 14:50

Tgt Ion:244 Resp: 472269

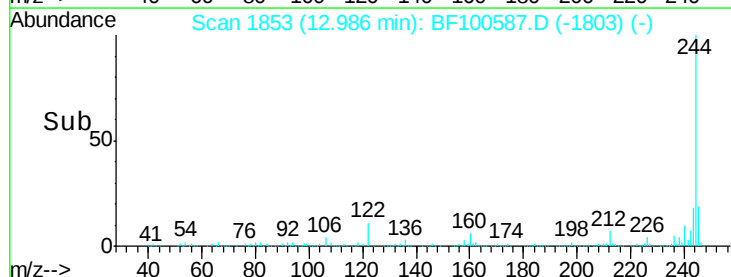
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.7	11.0	16.4



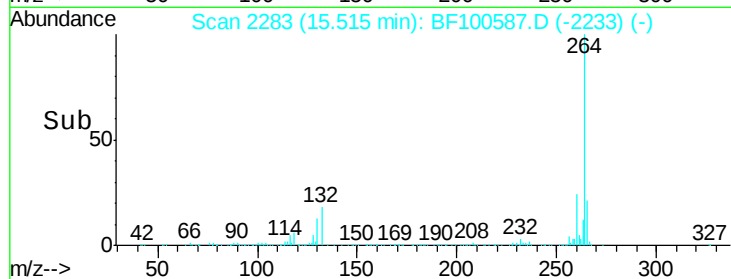
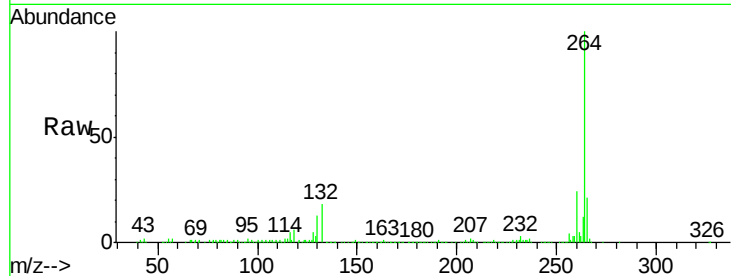
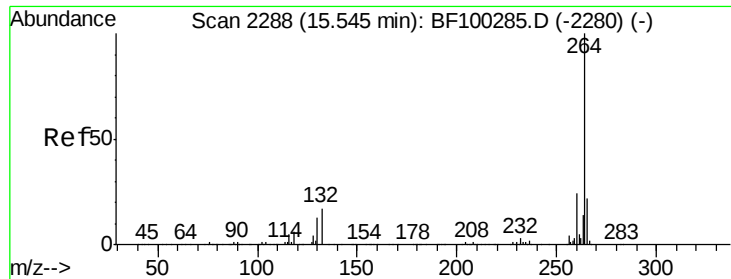
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.52 min Scan# 2283
 Delta R.T. -0.01 min
 Lab File: BF100587.D
 Acq: 15 Nov 2017 14:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.2	17.5	26.3

