

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
 Data File : BF100887.D
 Acq On : 27 Nov 2017 13:05
 Operator : SJ/JU
 Sample : I6574-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 27 21:55:39 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	72782	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	298451	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	144177	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	277940	20.00	ng	0.00
75) Chrysene-d12	14.02	240	163009	20.00	ng	-0.01
86) Perylene-d12	15.49	264	165801	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	401391	88.40	ng	0.00
7) Phenol-d6	6.49	99	490677	87.64	ng	0.00
23) Nitrobenzene-d5	7.42	82	301784	66.85	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	144583	98.41	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	627063	66.23	ng	0.00
78) Terphenyl-d14	12.96	244	580616	81.84	ng	0.00

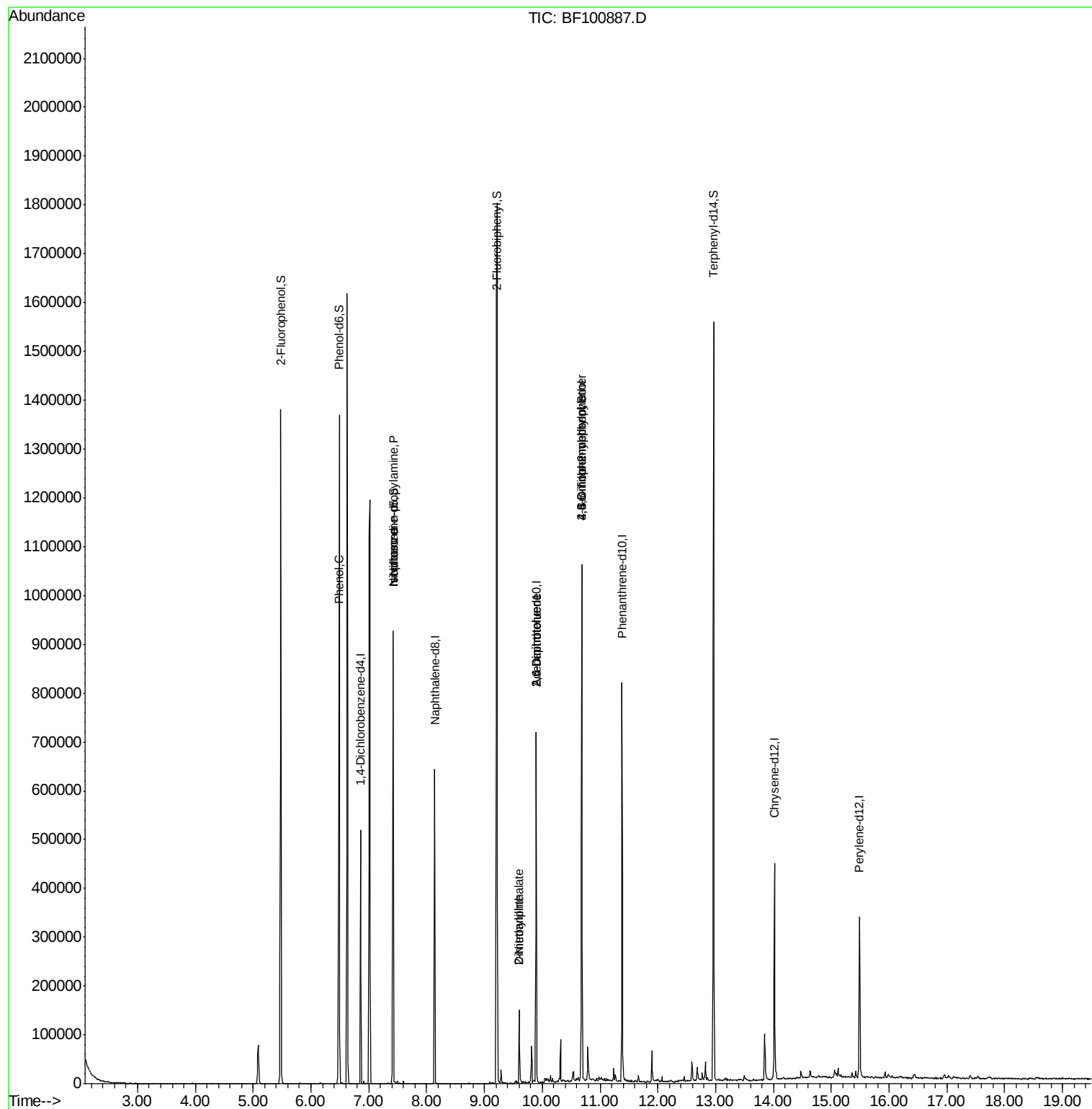
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.50	94	12636	2.150	ng	98
19) n-Nitroso-di-n-propylamine	7.42	70	40573	10.449	ng	# 80
25) Isophorone	7.42	82	301779	31.812	ng	# 64
47) 2-Nitroaniline	9.60	65	307	2.892	ng	# 1
49) Dimethylphthalate	9.60	163	52938	4.809	ng	99
50) 2,6-Dinitrotoluene	9.89	165	18394	8.442	ng	# 25
56) 2,4-Dinitrotoluene	9.89	165	18394	6.691	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.68	198	129	8.646	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	9288	3.117	ng	# 1

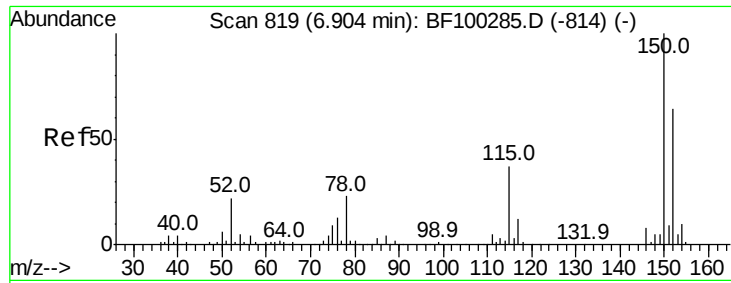
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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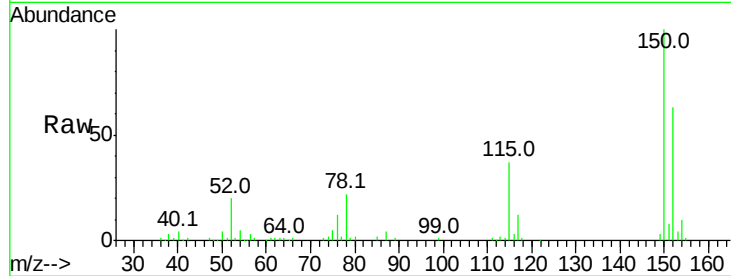


#1

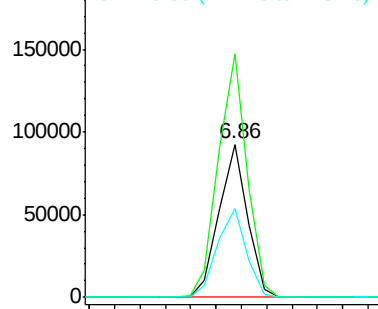
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF100887.D
Acq: 27 Nov 2017 13:05

Instrument :
BNA_F
ClientSampleId :

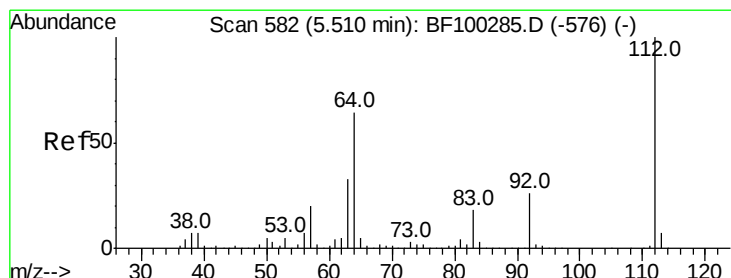
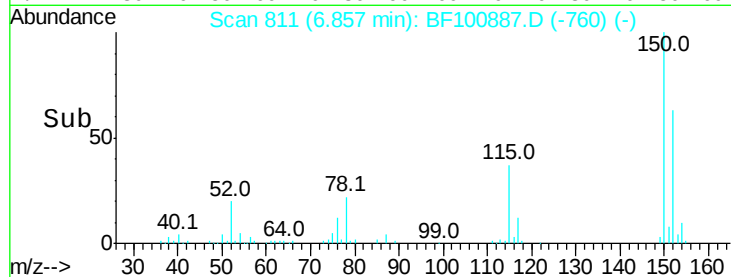
Tot Ion:152 Resp: 72782
Ion Ratio Lower Upper
152 100
150 158.8 124.6 186.8
115 58.0 50.1 75.1



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



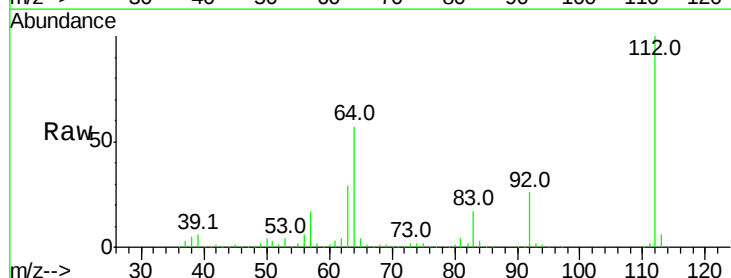
Time--> 6.80 6.85 6.90



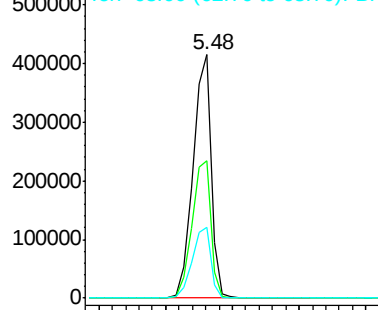
#5

2-Fluorophenol
Concen: 88.404 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF100887.D
Acq: 27 Nov 2017 13:05

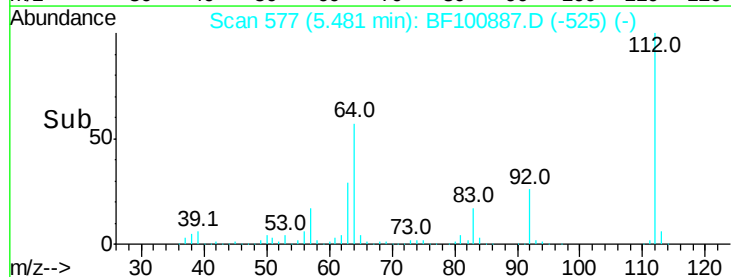
Tgt Ion:112 Resp: 401391
Ion Ratio Lower Upper
112 100
64 56.7 47.9 71.9
63 29.1 23.7 35.5



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



Time--> 5.40 5.45 5.50 5.55





#7

Phenol-d6

Concen: 87.638 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF100887.D

Acq: 27 Nov 2017 13:05

Instrument :

BNA_F

ClientSampleId :

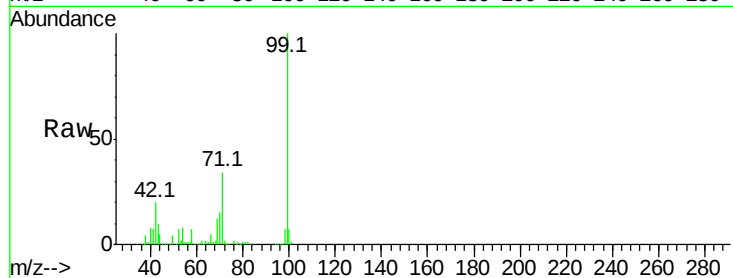
Tot Ion: 99 Resp: 490677

Ion Ratio Lower Upper

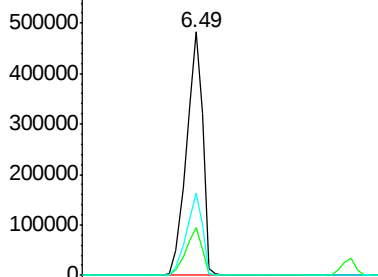
99 100

42 19.6 14.5 21.7

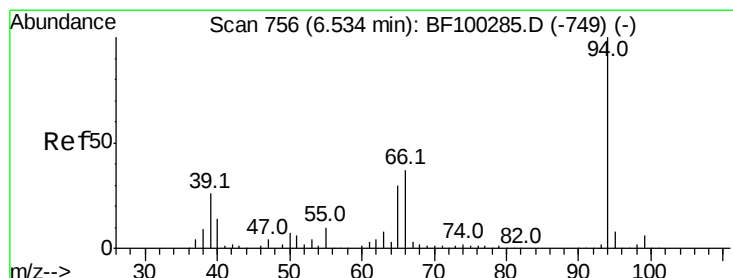
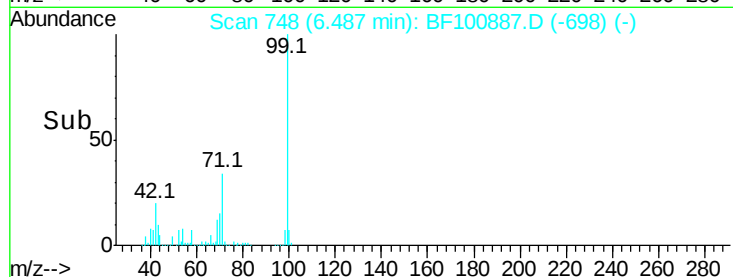
71 34.0 25.4 38.0



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



Time-->



#10

Phenol

Concen: 2.150 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF100887.D

Acq: 27 Nov 2017 13:05

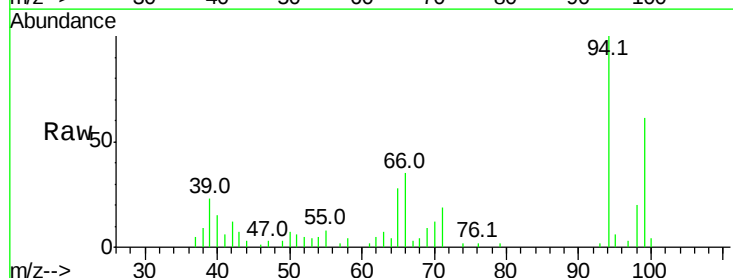
Tgt Ion: 94 Resp: 12636

Ion Ratio Lower Upper

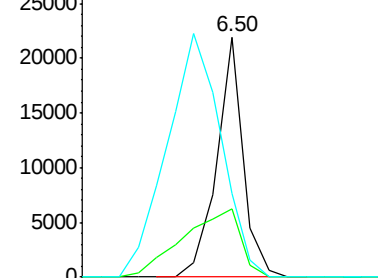
94 100

65 28.4 7.9 47.9

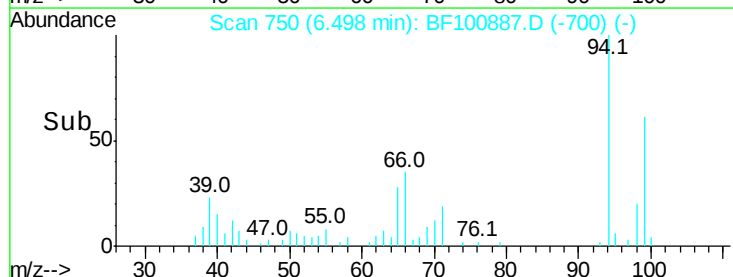
66 35.0 16.2 56.2

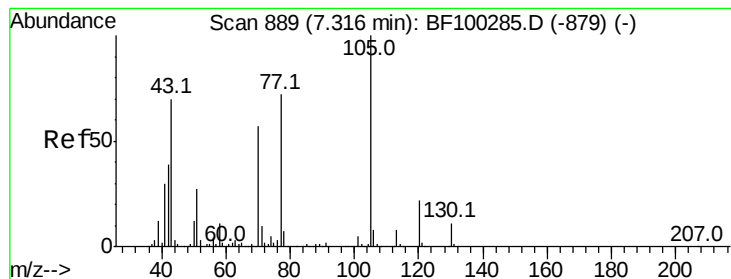


Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



Time-->





#19

n-Nitroso-di-n-propylamine

Concen: 10.449 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF100887.D

Acq: 27 Nov 2017 13:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 40573

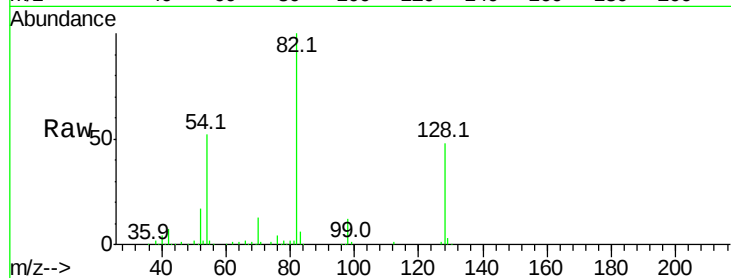
Ion Ratio Lower Upper

70 100

42 50.6 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

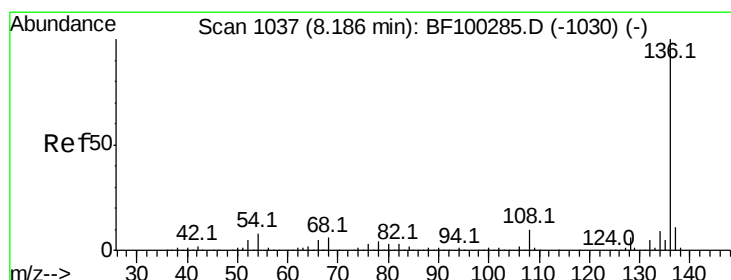
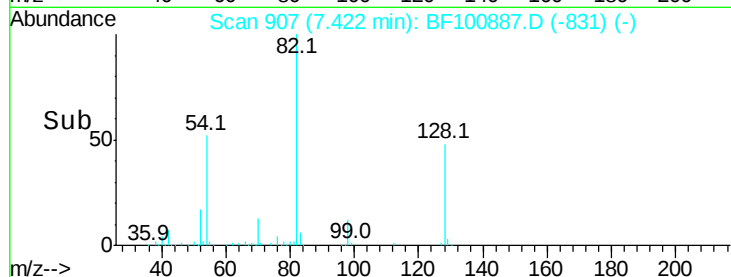
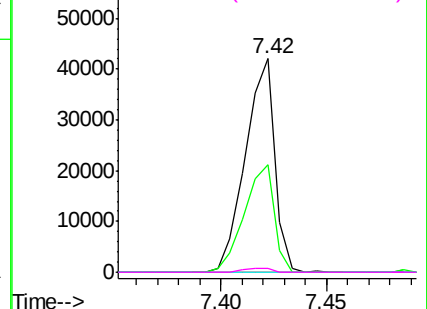


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF100887.D

Acq: 27 Nov 2017 13:05

Tgt Ion: 136 Resp: 298451

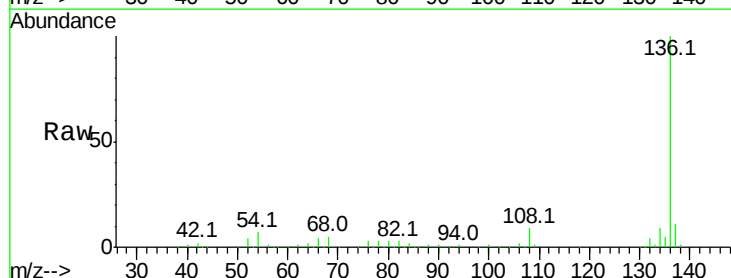
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 7.0 6.6 9.8

68 4.6 5.0 7.4#

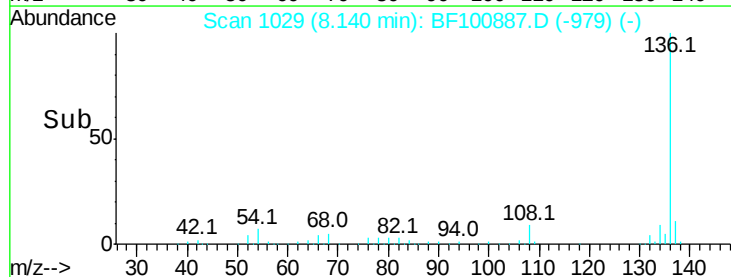
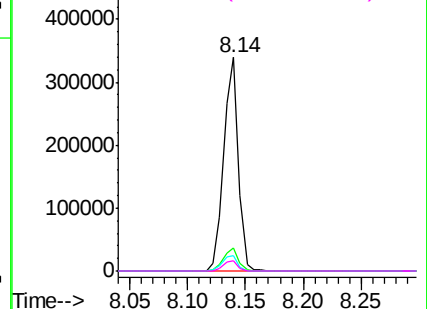


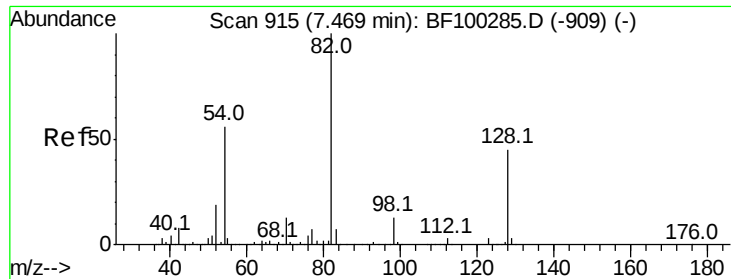
Abundance Ion 136.00 (135.70 to 136.70): BF1

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: 66.852 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF100887.D

Acq: 27 Nov 2017 13:05

Instrument :

BNA_F

ClientSampleId :

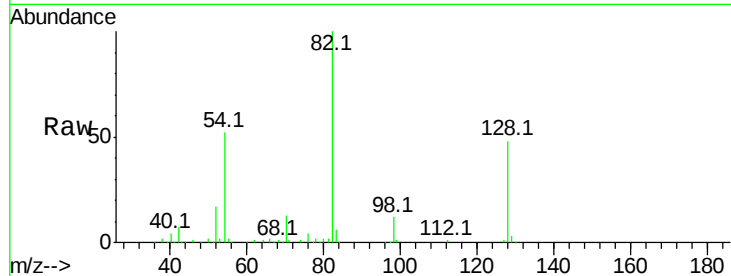
Tot Ion: 82 Resp: 301784

Ion Ratio Lower Upper

82 100

128 47.6 36.1 54.1

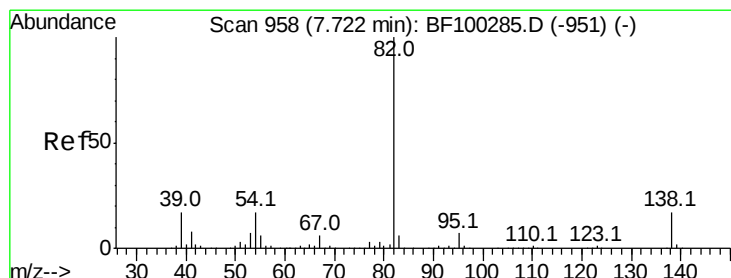
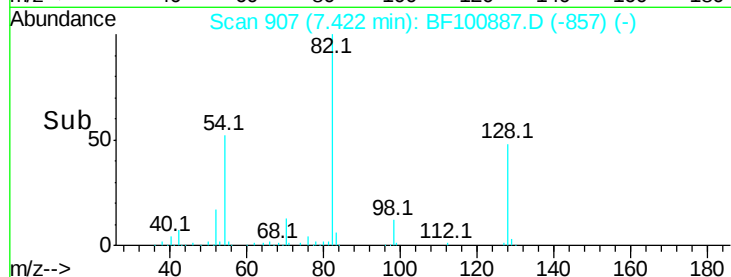
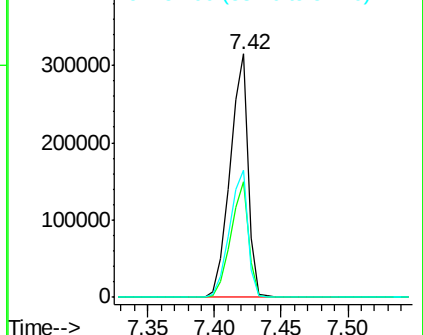
54 52.0 41.4 62.2



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: 31.812 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF100887.D

Acq: 27 Nov 2017 13:05

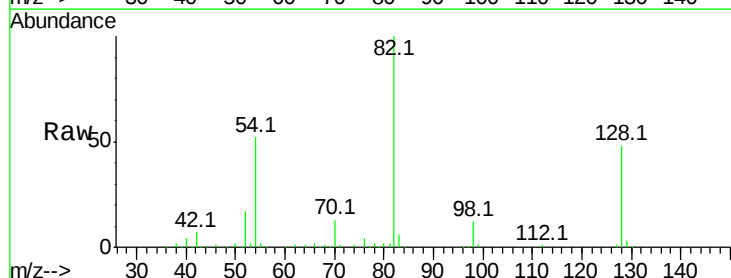
Tgt Ion: 82 Resp: 301779

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

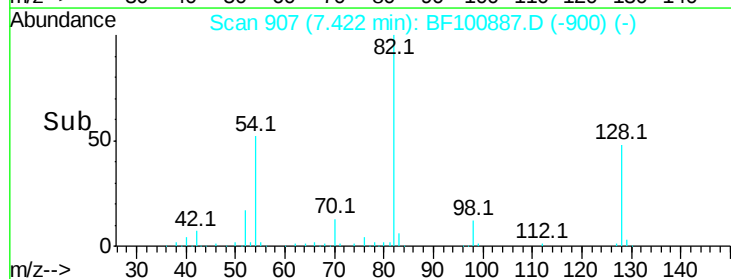
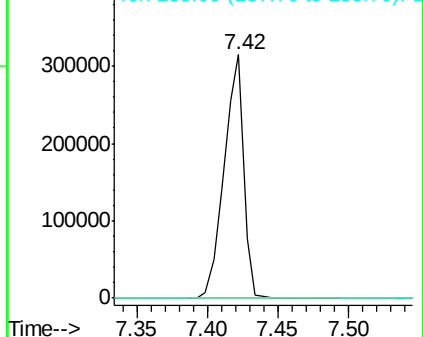
138 0.0 14.9 22.3#

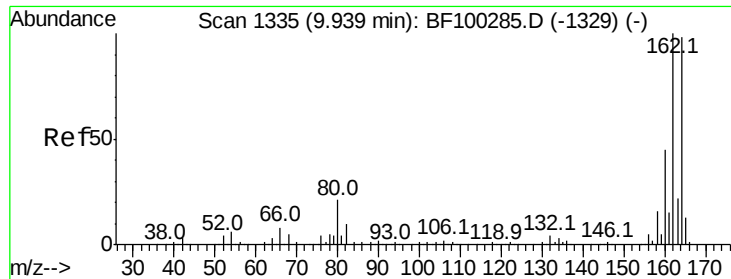


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

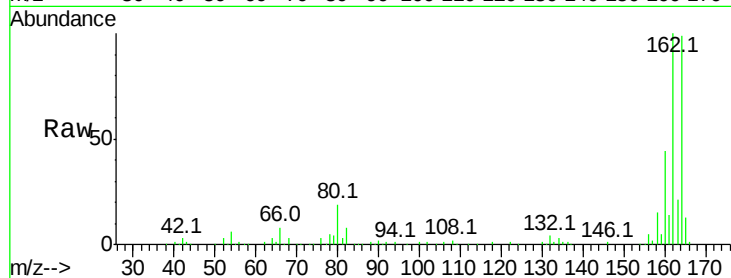




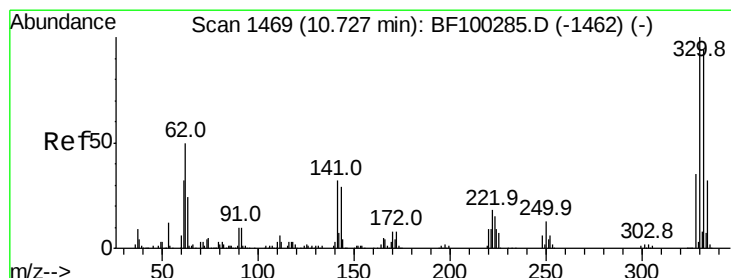
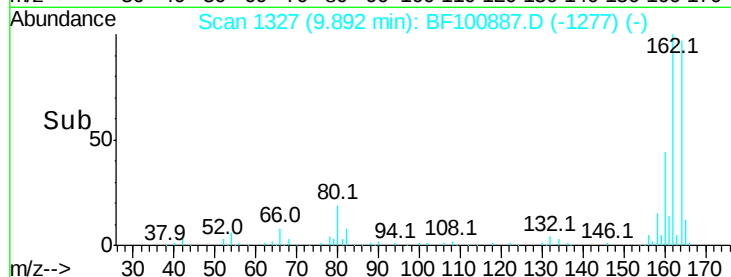
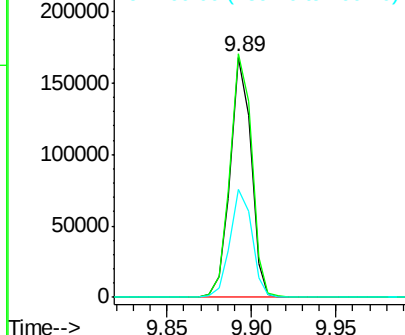
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF100887.D
Acq: 27 Nov 2017 13:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 144177
Ion Ratio Lower Upper
164 100
162 101.4 86.1 129.1
160 45.0 38.3 57.5

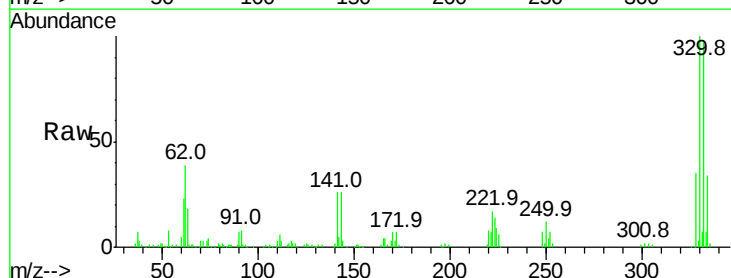


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

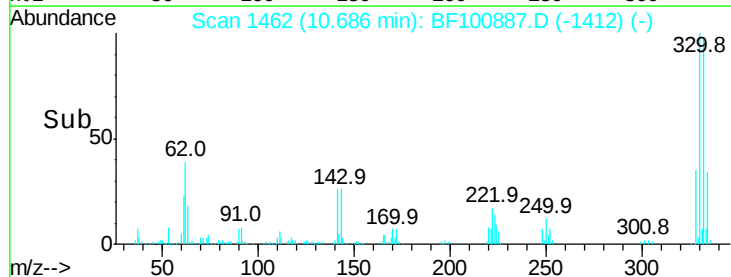
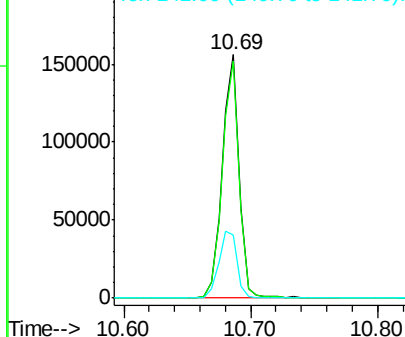


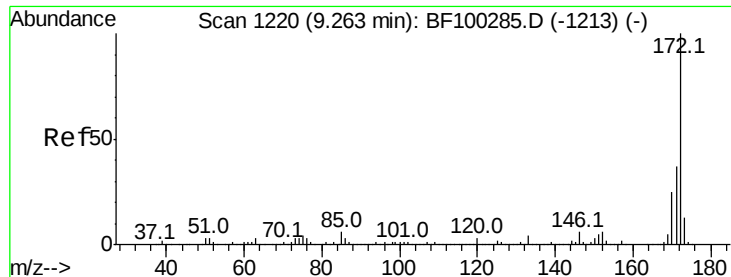
#41
2,4,6-Tribromophenol
Concen: 98.412 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.01 min
Lab File: BF100887.D
Acq: 27 Nov 2017 13:05

Tgt Ion:330 Resp: 144583
Ion Ratio Lower Upper
330 100
332 97.2 77.0 115.6
141 30.0 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

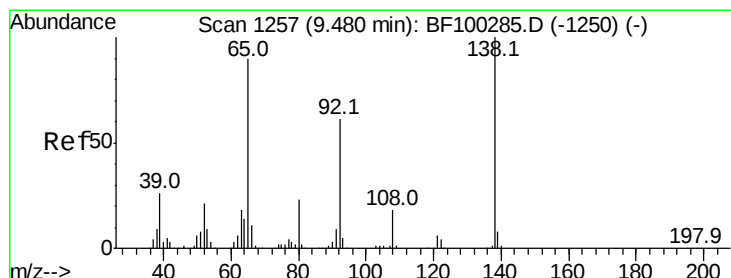
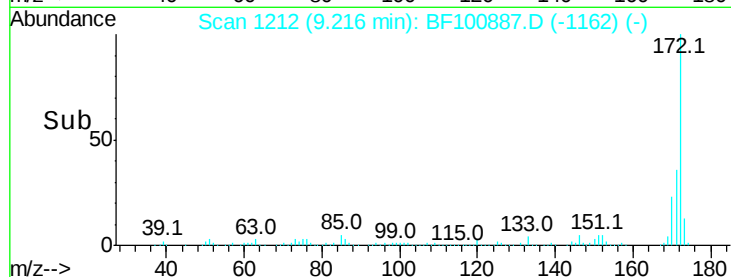
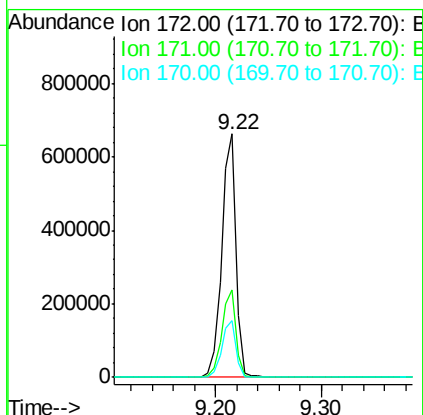
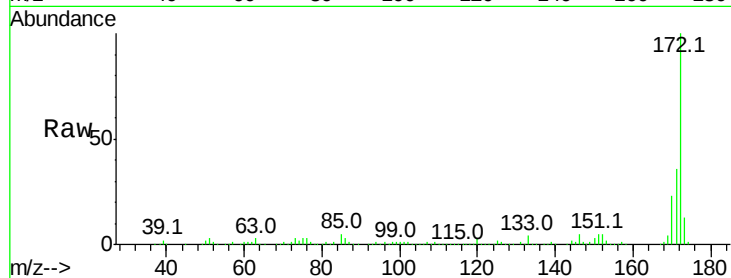




#44
 2-Fluorobiphenyl
 Concen: 66.227 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF100887.D
 Acq: 27 Nov 2017 13:05

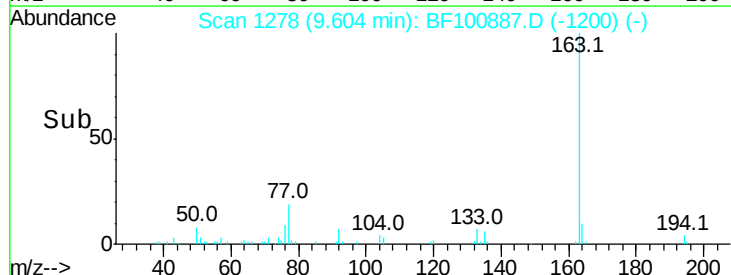
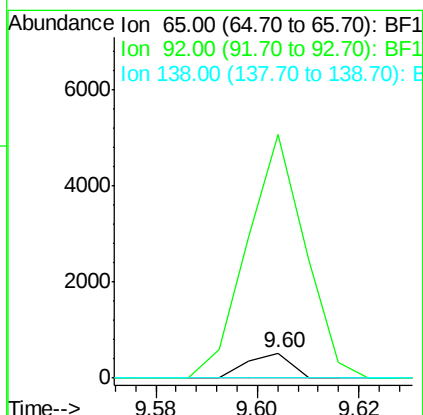
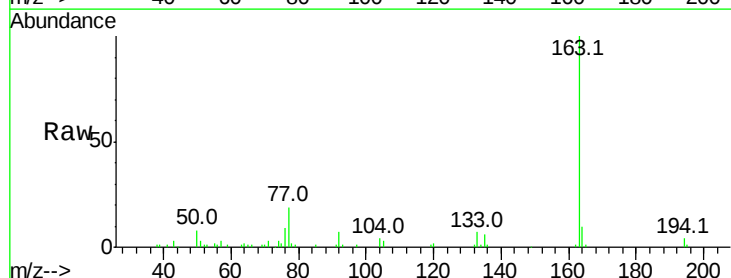
Instrument :
 BNA_F
 ClientSampleId :

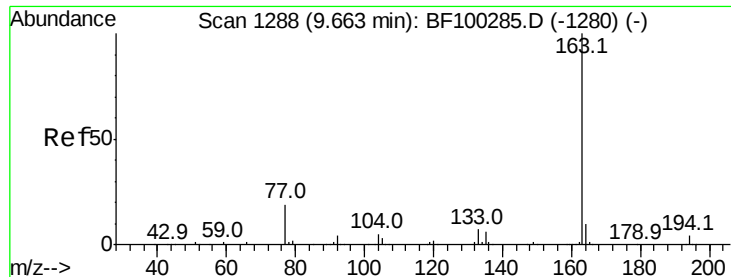
Tot Ion:172 Resp: 627063
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 23.1 19.6 29.4



#47
 2-Nitroaniline
 Concen: 2.892 ng
 RT: 9.60 min Scan# 1278
 Delta R.T. 0.16 min
 Lab File: BF100887.D
 Acq: 27 Nov 2017 13:05

Tgt Ion: 65 Resp: 307
 Ion Ratio Lower Upper
 65 100
 92 984.0 55.8 83.6#
 138 0.0 91.2 136.8#

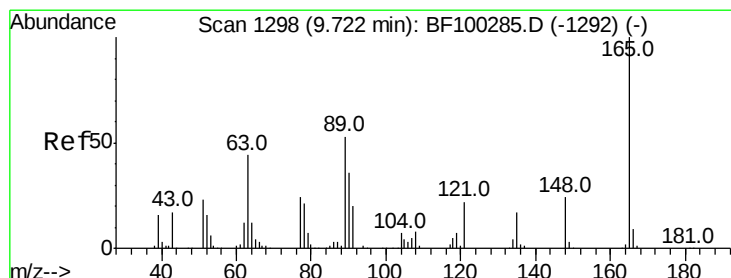
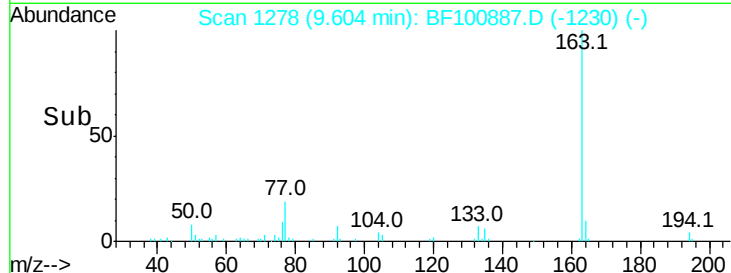
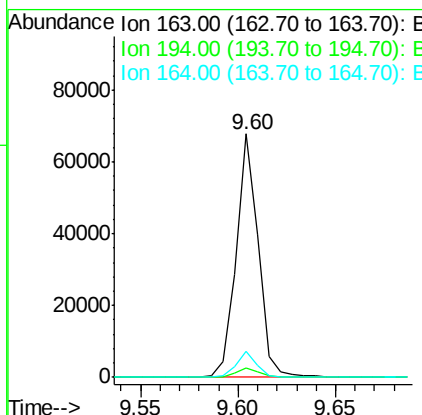
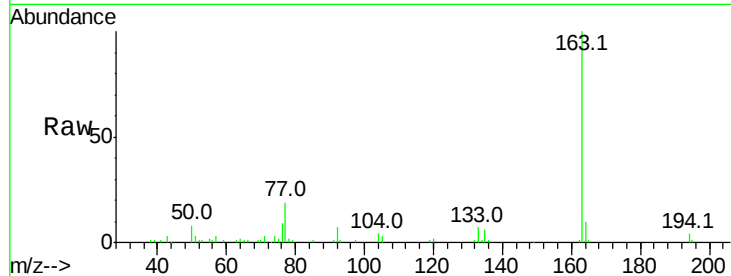




#49
Dimethylphthalate
Concen: 4.809 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF100887.D
Acq: 27 Nov 2017 13:05

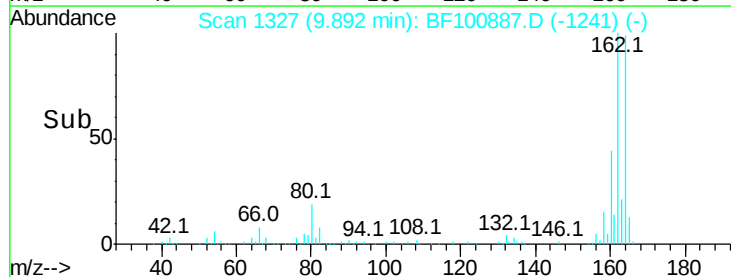
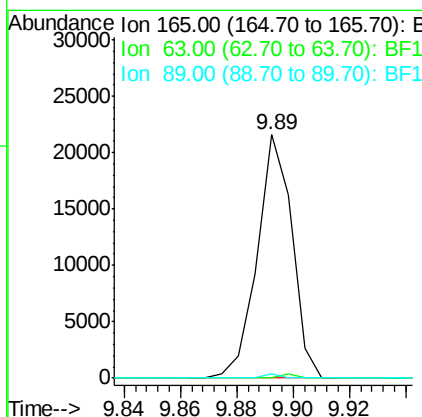
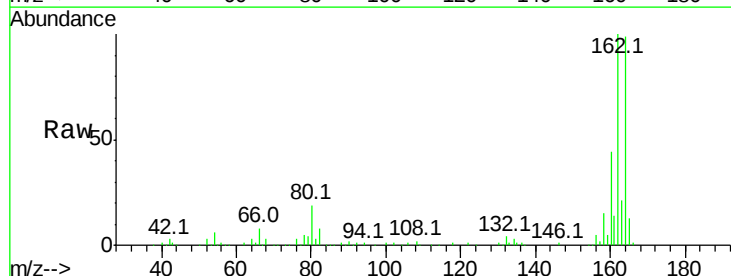
Instrument :
BNA_F
ClientSampleId :

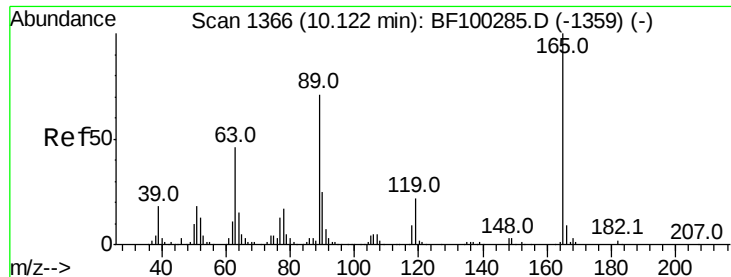
Tot Ion:163 Resp: 52938
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.4 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 8.442 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.21 min
Lab File: BF100887.D
Acq: 27 Nov 2017 13:05

Tgt Ion:165 Resp: 18394
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 1.5 44.0 66.0#

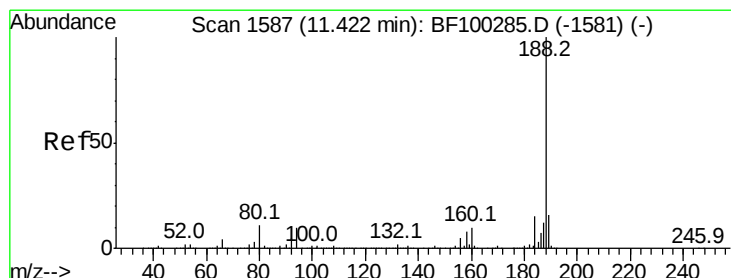
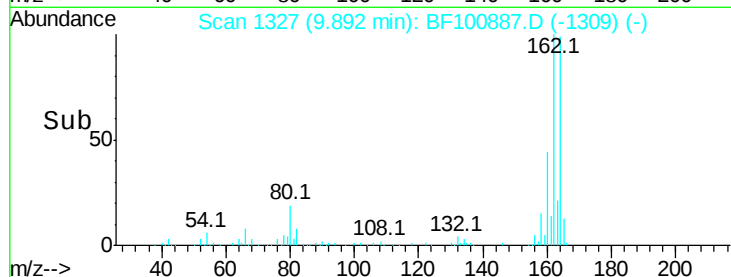
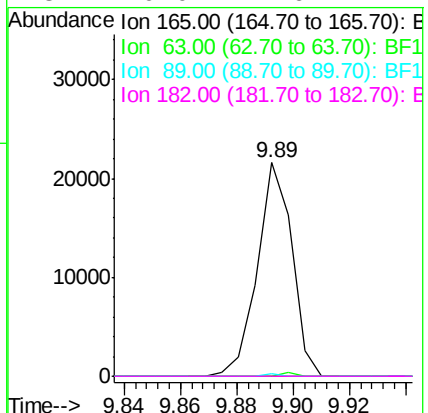
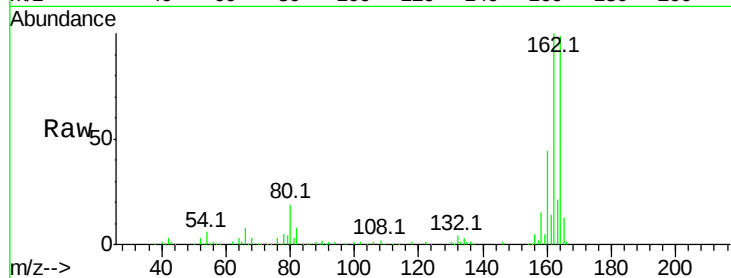




#56
 2,4-Dinitrotoluene
 Concen: 6.691 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.19 min
 Lab File: BF100887.D
 Acq: 27 Nov 2017 13:05

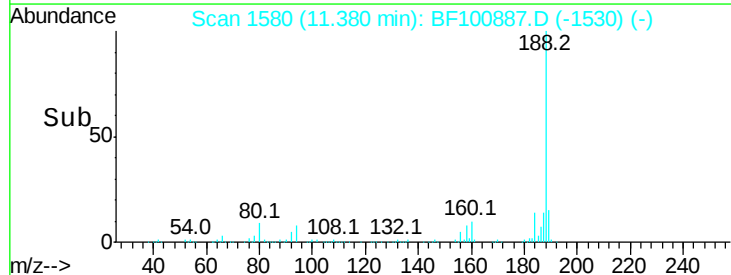
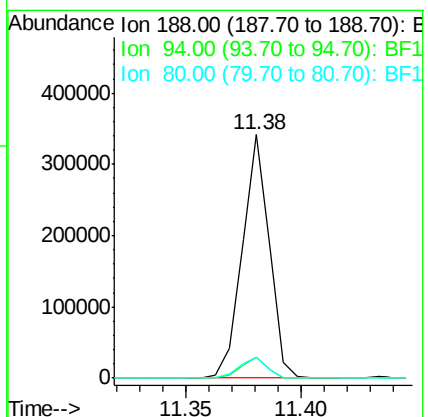
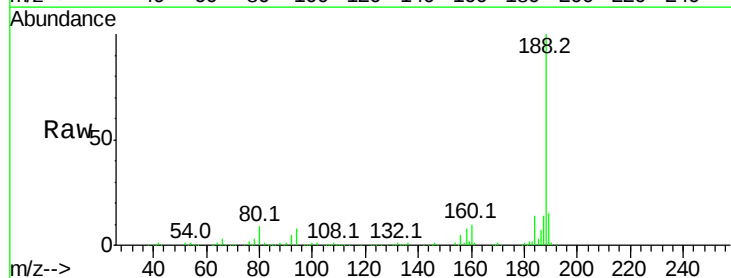
Instrument :
 BNA_F
 ClientSampleId :

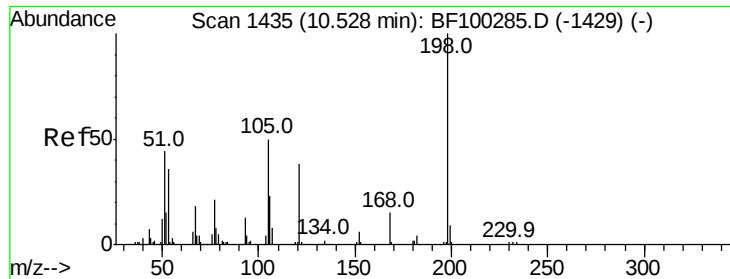
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF100887.D
 Acq: 27 Nov 2017 13:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	8.5	12.7#
80	8.5	9.2	13.8#





#64

4,6-Dinitro-2-methylphenol

Concen: 8.646 ng

RT: 10.68 min Scan# 1461

Delta R.T. 0.18 min

Lab File: BF100887.D

Acq: 27 Nov 2017 13:05

Instrument :

BNA_F

ClientSampleId :

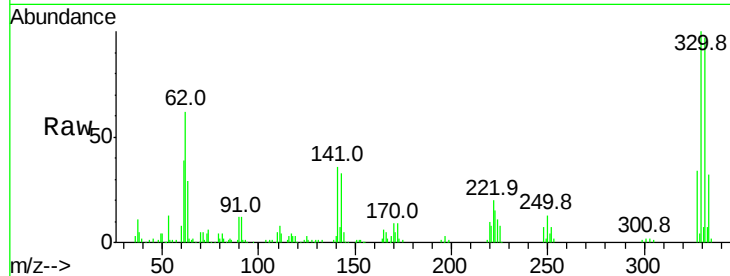
Tot Ion:198 Resp: 129

Ion Ratio Lower Upper

198 100

51 139.3 37.7 77.7#

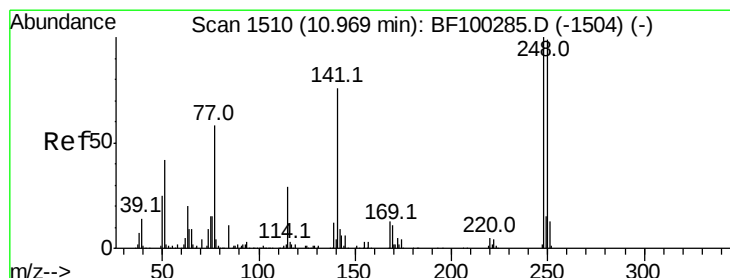
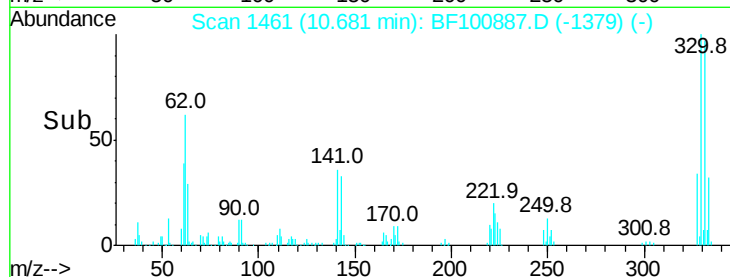
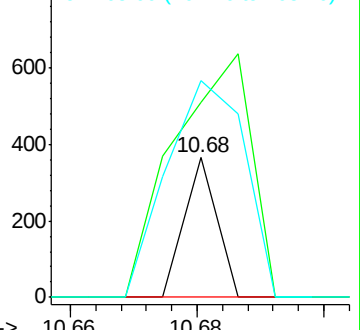
105 155.2 36.3 76.3#



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: 3.117 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.24 min

Lab File: BF100887.D

Acq: 27 Nov 2017 13:05

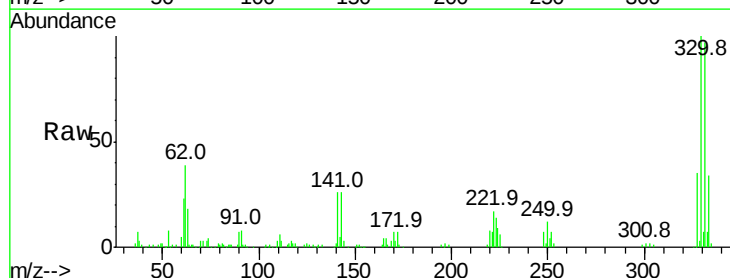
Tgt Ion:248 Resp: 9288

Ion Ratio Lower Upper

248 100

250 176.5 76.9 115.3#

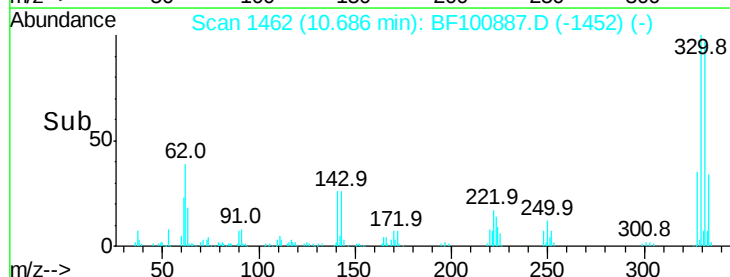
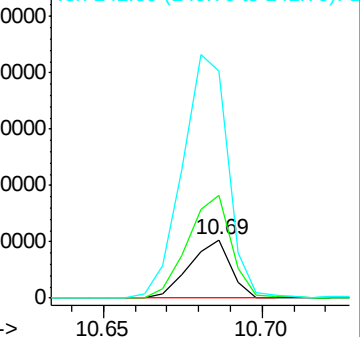
141 389.3 74.4 111.6#

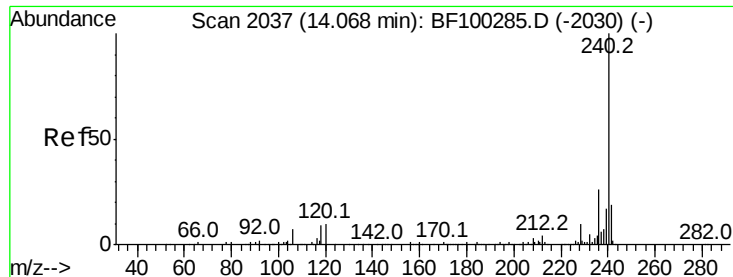


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF100887.D

Acq: 27 Nov 2017 13:05

Instrument :

BNA_F

ClientSampleId :

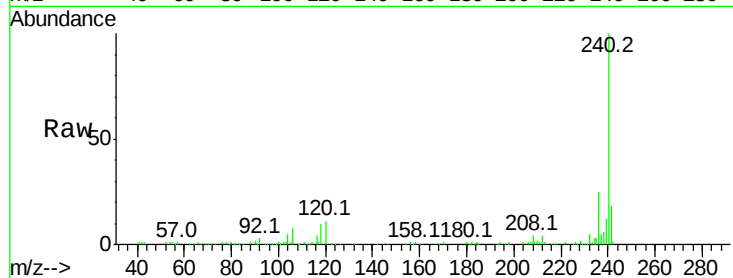
Tot Ion:240 Resp: 163009

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

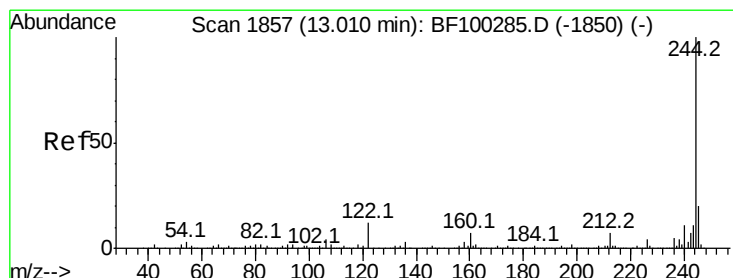
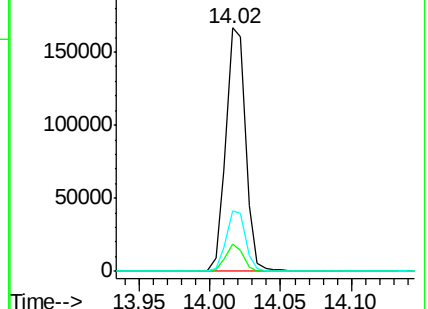
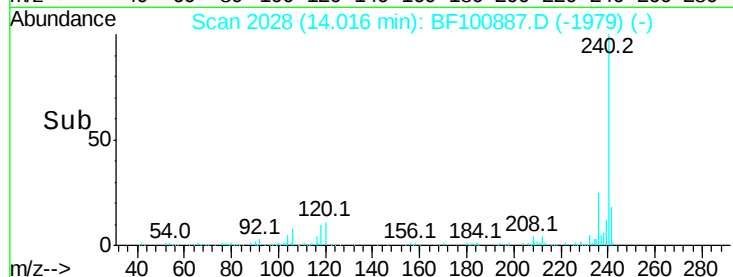
236 24.8 20.7 31.1



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: 81.841 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF100887.D

Acq: 27 Nov 2017 13:05

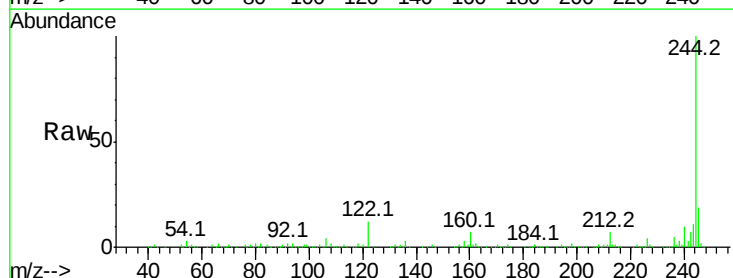
Tgt Ion:244 Resp: 580616

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

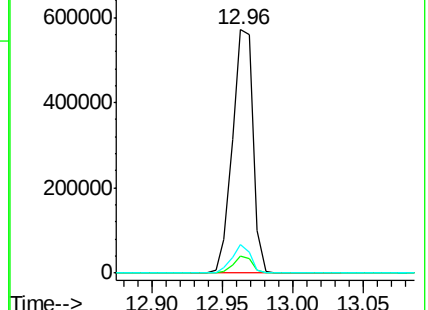
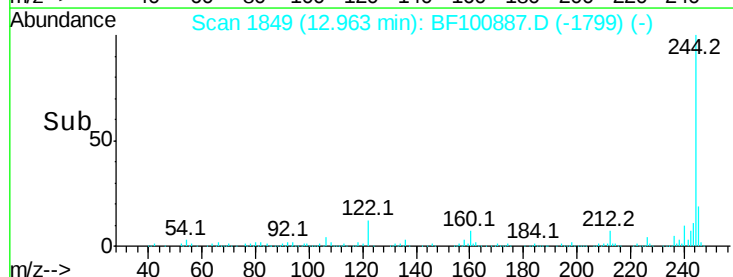
122 11.9 11.0 16.4

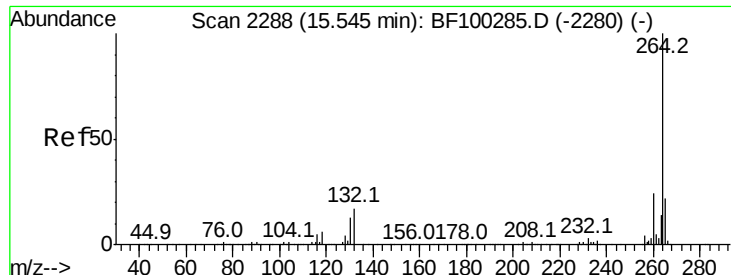


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

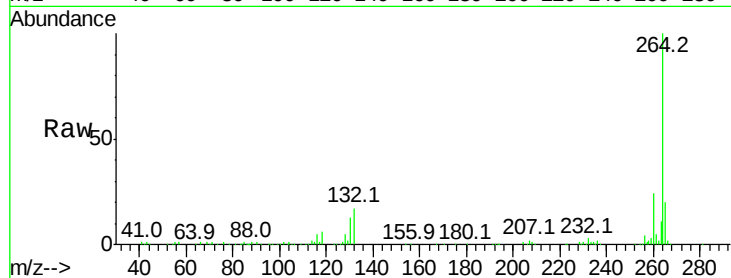




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. -0.01 min
 Lab File: BF100887.D
 Acq: 27 Nov 2017 13:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	20.4	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

