

Data File : BF100570.D
Acq On : 15 Nov 2017 5:40
Operator : SJ/JU
Sample : I6403-13
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
110817-SIDI-F-U-M

Quant Time: Nov 15 06:30:52 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 14 14:17:16 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	107094	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	374706	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	136858	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	230168	20.00	ng	0.00
75) Chrysene-d12	14.04	240	236374	20.00	ng	-0.01
86) Perylene-d12	15.52	264	159911	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	340921	51.03	ng	0.00
7) Phenol-d6	6.50	99	258053	31.32	ng	-0.01
23) Nitrobenzene-d5	7.45	82	647847	114.31	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	126549	90.74	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1035362	115.20	ng	0.00
78) Terphenyl-d14	12.99	244	829515	80.63	ng	0.00

Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.45	70	84026	14.71	ng	# 81
25) Isophorone	7.45	82	647839	54.39	ng	# 64
47) 2-Nitroaniline	9.63	65	117	2.83	ng	# 1
49) Dimethylphthalate	9.63	163	29756	2.85	ng	99
50) 2,6-Dinitrotoluene	9.92	165	16888	8.16	ng	# 24
56) 2,4-Dinitrotoluene	9.92	165	16888	6.47	ng	# 21
62) Azobenzene	10.63	77	56993	5.79	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.70	198	135	8.67	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	8034	3.26	ng	# 1

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

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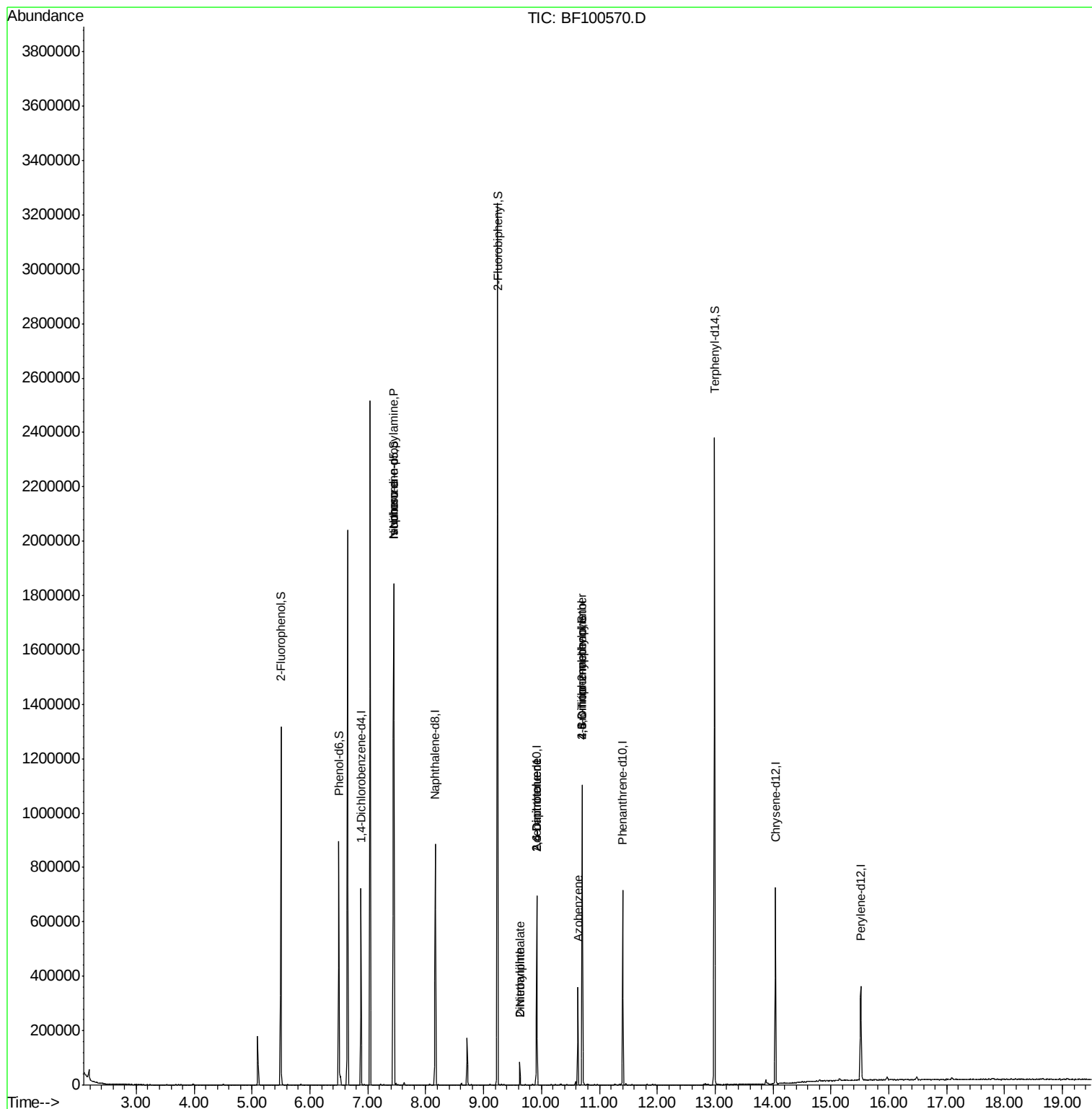
Quant Time: Nov 15 06:30:52 2017

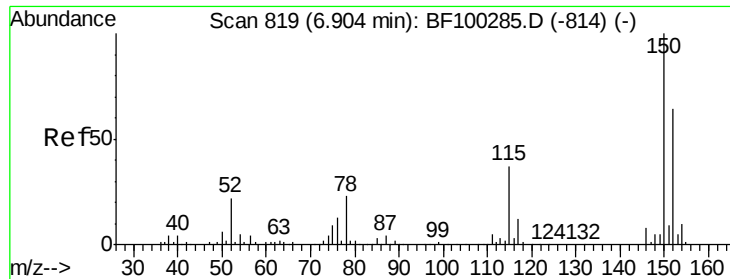
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M

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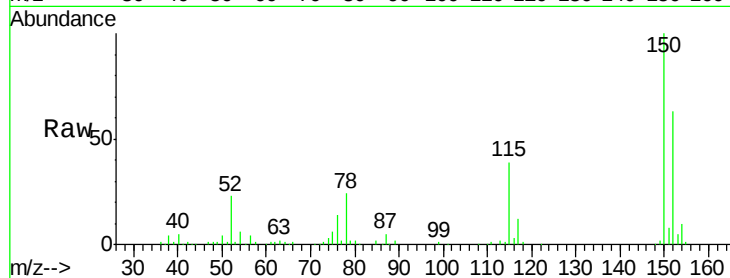




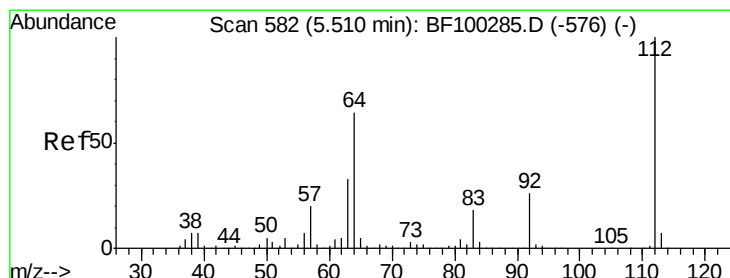
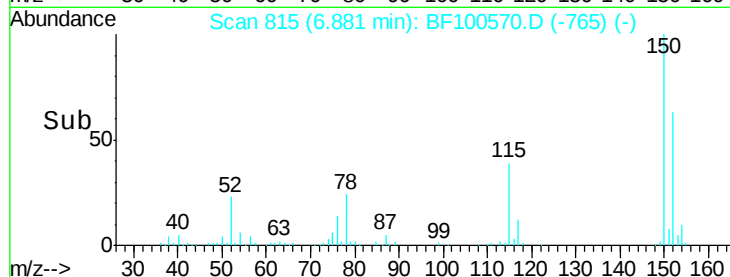
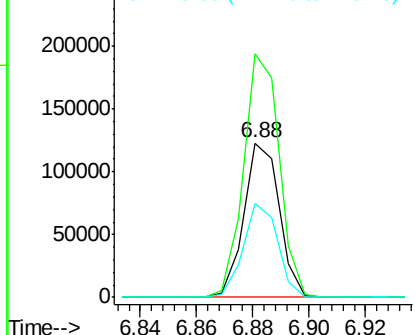
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF100570.D
 Acq: 15 Nov 2017 5:40

Instrument :
 BNA_F
 ClientSampleId :
 110817-SIDI-F-U-M

Tgt Ion:152 Resp: 107094
 Ion Ratio Lower Upper
 152 100
 150 158.0 124.6 186.8
 115 61.1 50.1 75.1

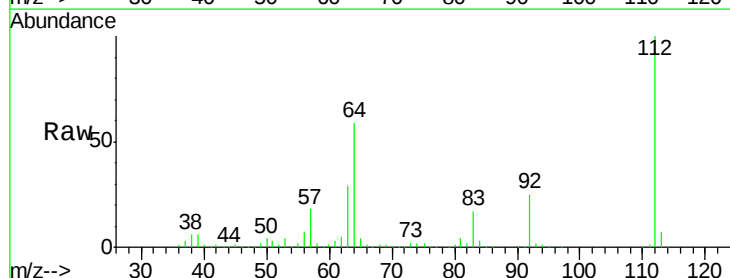


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

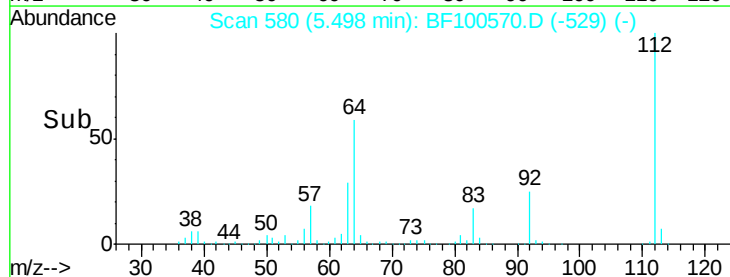
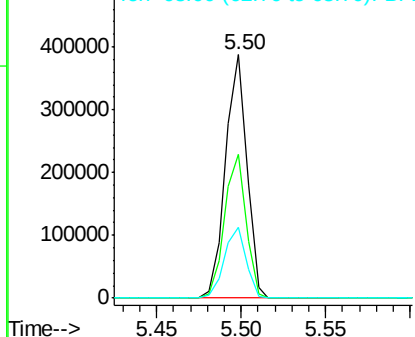


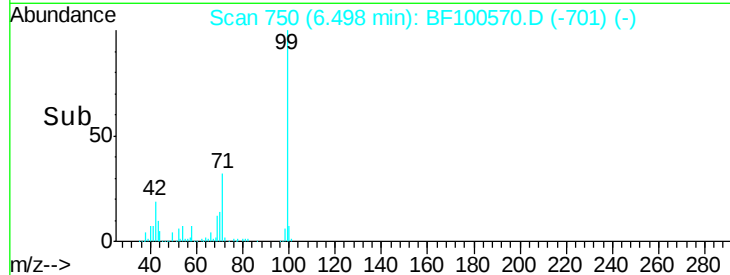
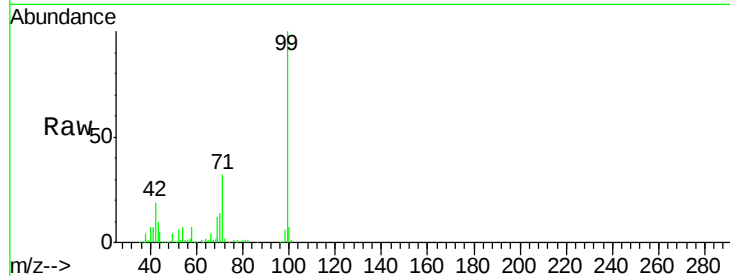
#5
 2-Fluorophenol
 Concen: 51.03 ng
 RT: 5.50 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: BF100570.D
 Acq: 15 Nov 2017 5:40

Tgt Ion:112 Resp: 340921
 Ion Ratio Lower Upper
 112 100
 64 59.0 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





#7

Phenol-d6

Concen: 31.32 ng

RT: 6.50 min Scan# 750

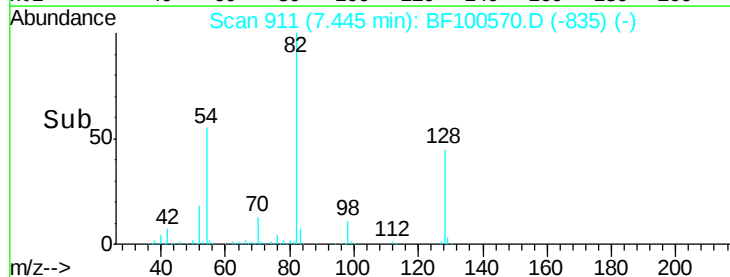
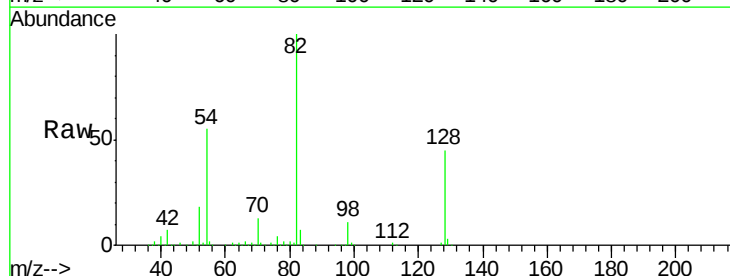
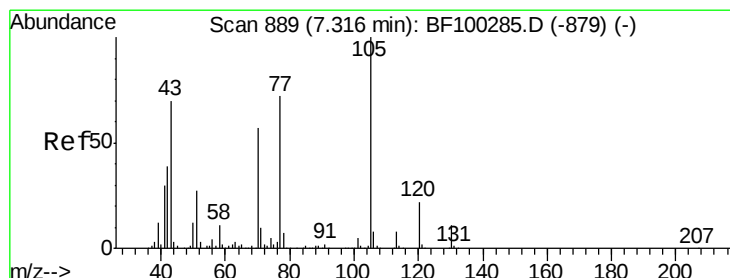
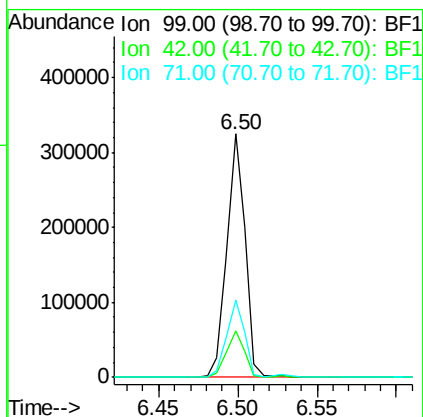
Delta R.T. -0.01 min

Lab File: BF100570.D

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Tgt Ion	Ratio	Lower	Upper
99	100		
42	19.1	14.5	21.7
71	31.9	25.4	38.0

Instrument :
BNA_F
ClientSampleId :
110817-SIDI-F-U-M



#19

n-Nitroso-di-n-propylamine

Concen: 14.71 ng

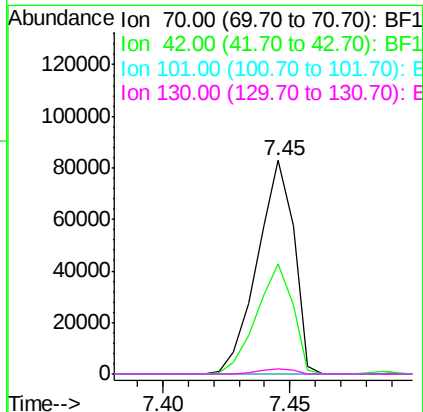
RT: 7.45 min Scan# 911

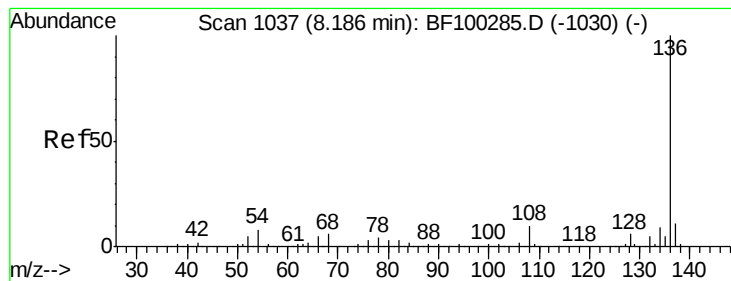
Delta R.T. 0.15 min

Lab File: BF100570.D

Acq: 15 Nov 2017 5:40

Tgt Ion	Ratio	Lower	Upper
70	100		
42	51.3	47.5	71.3
101	0.0	7.4	11.2#
130	2.3	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: BF100570.D

Acq: 15 Nov 2017 5:40

Instrument :

BNA_F

ClientSampleId :

110817-SIDI-F-U-M

Tgt Ion: 136 Resp: 374706

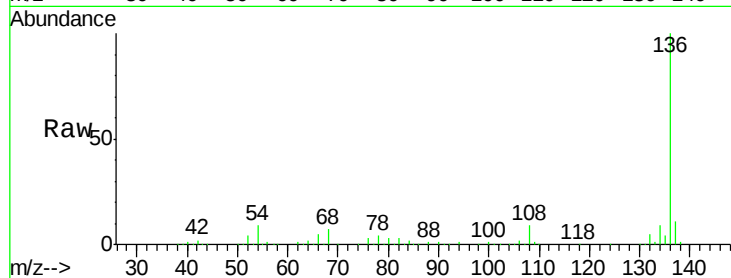
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 8.8 6.6 9.8

68 6.7 5.0 7.4

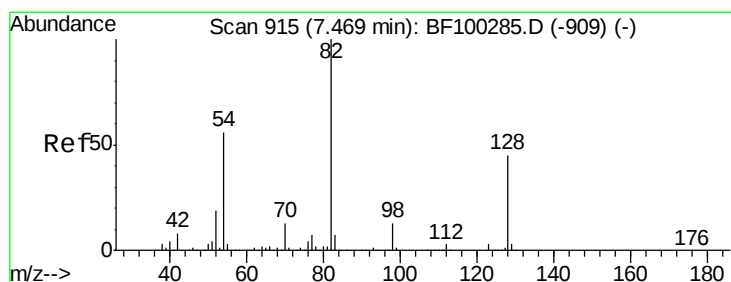
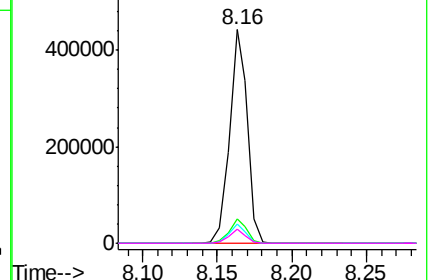
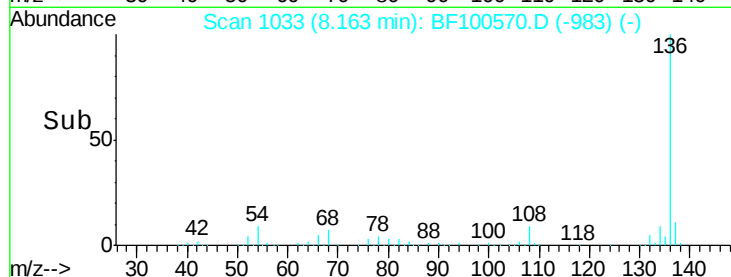


Abundance Ion 136.00 (135.70 to 136.70): E

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: 114.31 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF100570.D

Acq: 15 Nov 2017 5:40

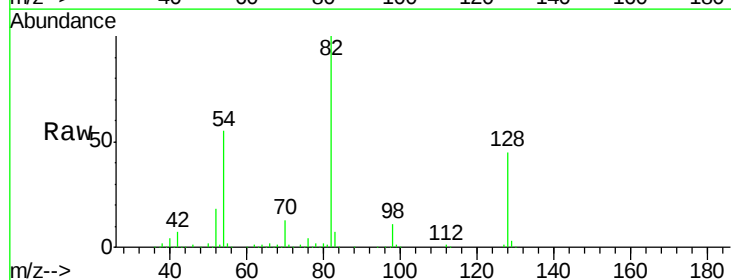
Tgt Ion: 82 Resp: 647847

Ion Ratio Lower Upper

82 100

128 44.6 36.1 54.1

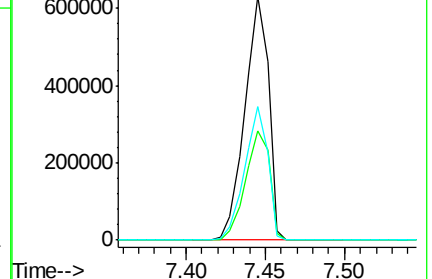
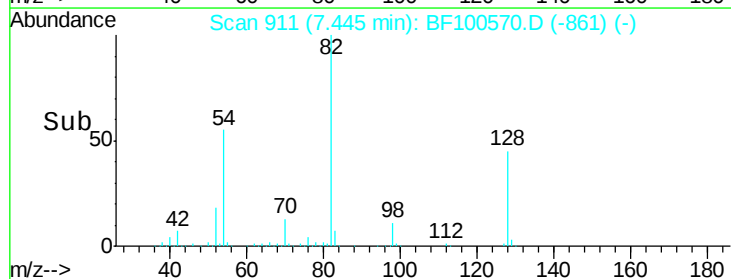
54 54.7 41.4 62.2

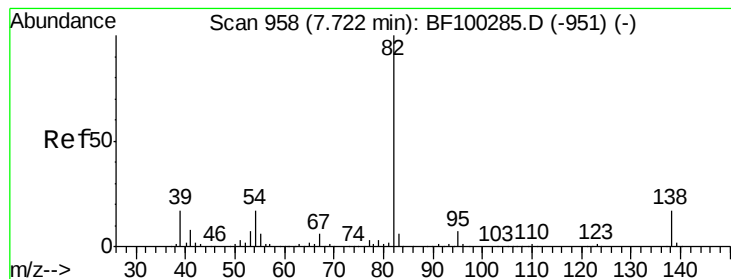


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 54.39 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF100570.D

Acq: 15 Nov 2017 5:40

Instrument :

BNA_F

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110817-SIDI-F-U-M

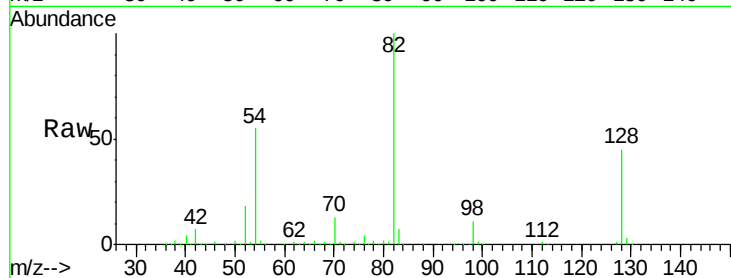
Tgt Ion: 82 Resp: 647839

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

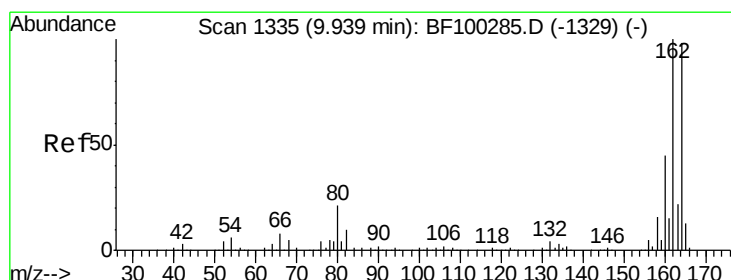
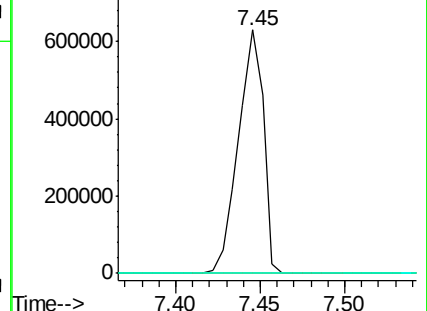
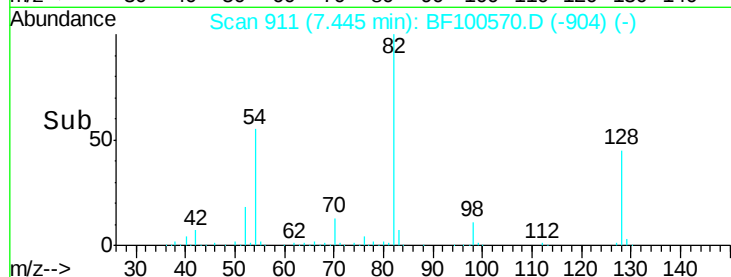
138 0.0 14.9 22.3#



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: BF100570.D

Acq: 15 Nov 2017 5:40

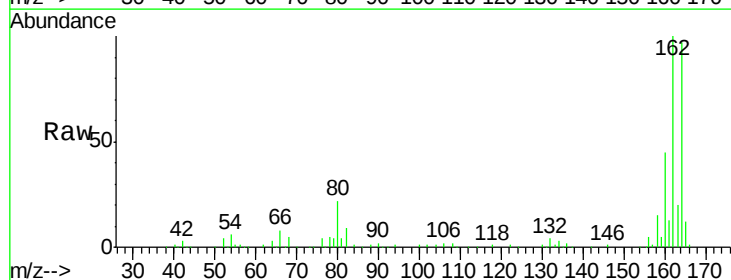
Tgt Ion: 164 Resp: 136858

Ion Ratio Lower Upper

164 100

162 103.1 86.1 129.1

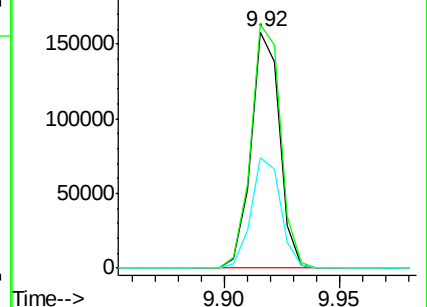
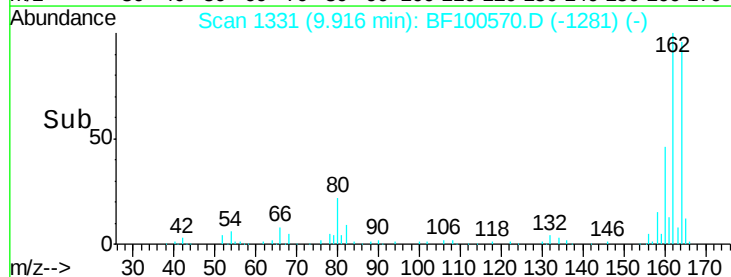
160 46.9 38.3 57.5

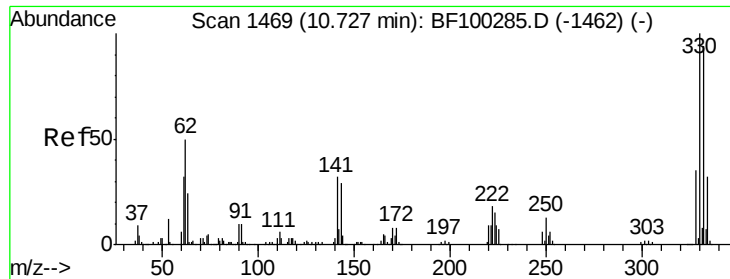


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

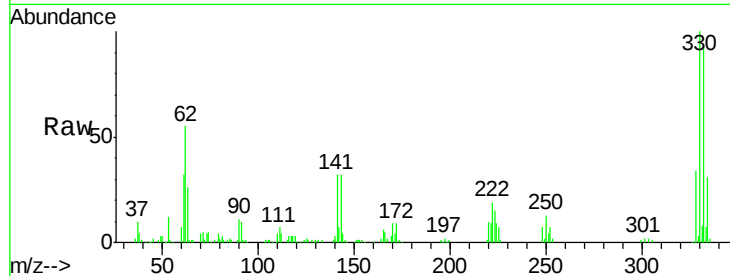




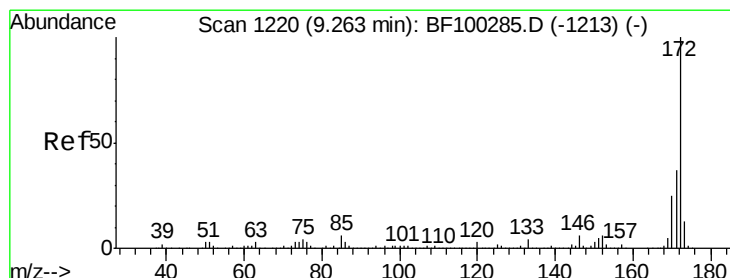
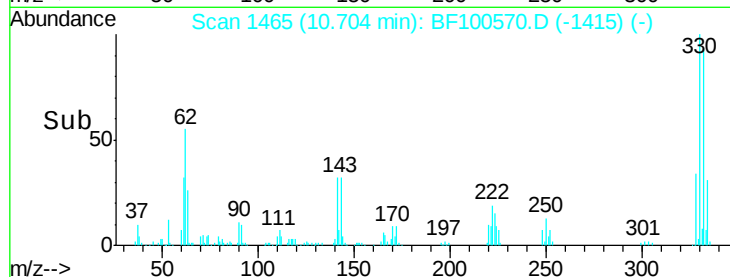
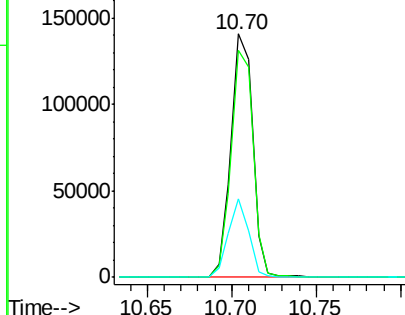
#41
 2,4,6-Tribromophenol
 Concen: 90.74 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100570.D
 Acq: 15 Nov 2017 5:40

Instrument :
 BNA_F
 ClientSampleId :
 110817-SIDI-F-U-M

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.0	115.6
141	30.0	29.9	44.9

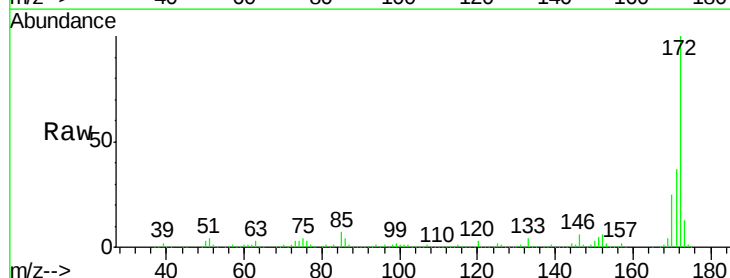


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

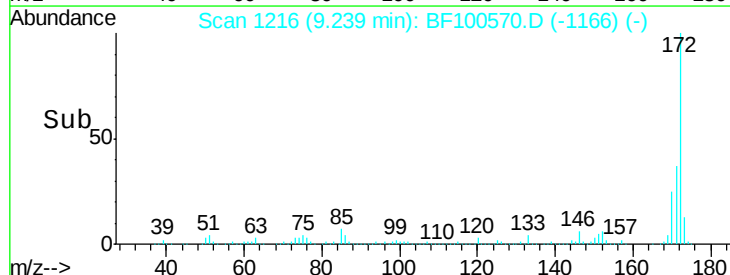
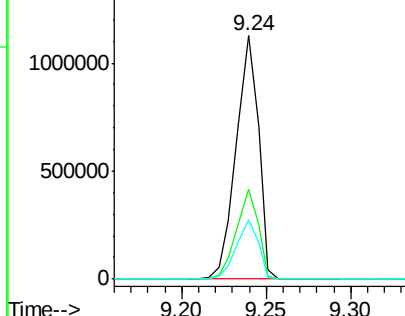


#44
 2-Fluorobiphenyl
 Concen: 115.20 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF100570.D
 Acq: 15 Nov 2017 5:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.6	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

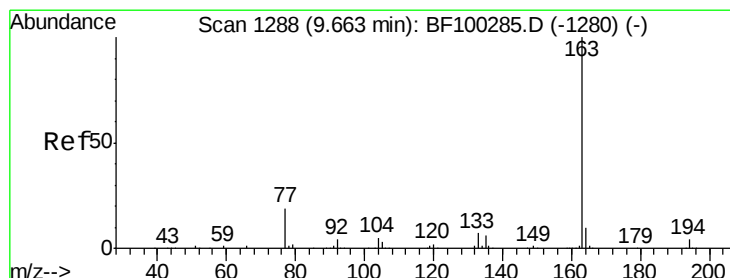
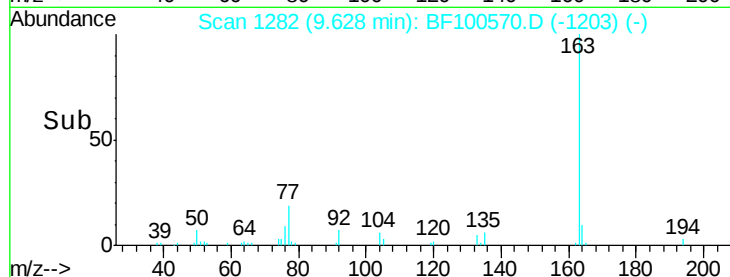
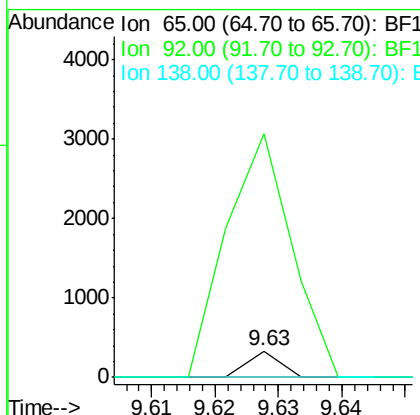
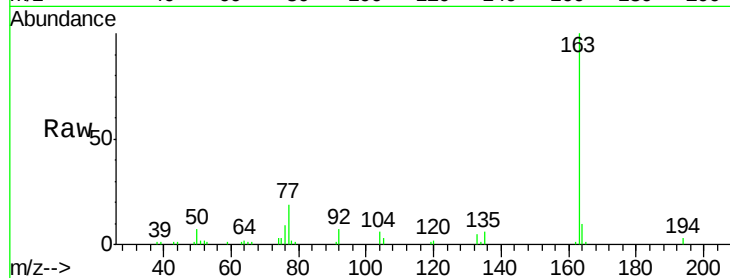




#47
2-Nitroaniline
Concen: 2.83 ng
RT: 9.63 min Scan# 1282
Delta R.T. 0.16 min
Lab File: BF100570.D
Acq: 15 Nov 2017 5:40

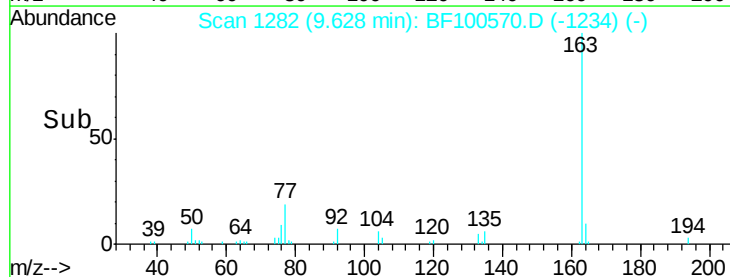
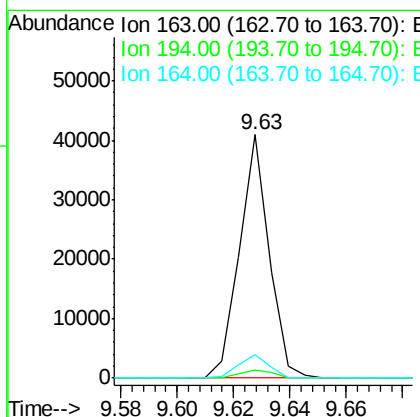
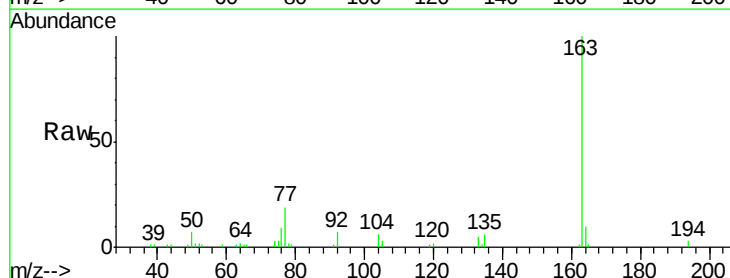
Instrument :
BNA_F
ClientSampleId :
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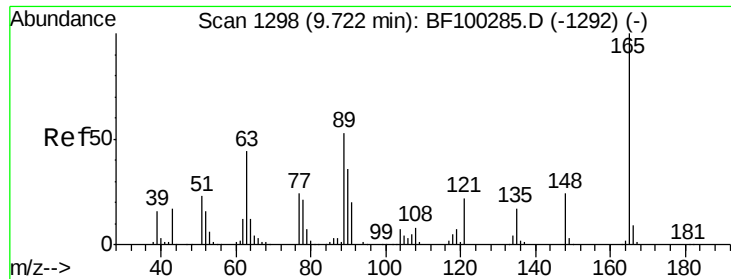
Tgt Ion: 65 Resp: 117
Ion Ratio Lower Upper
65 100
92 923.8 55.8 83.6#
138 0.0 91.2 136.8#



#49
Dimethylphthalate
Concen: 2.85 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF100570.D
Acq: 15 Nov 2017 5:40

Tgt Ion: 163 Resp: 29756
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.8 8.2 12.2

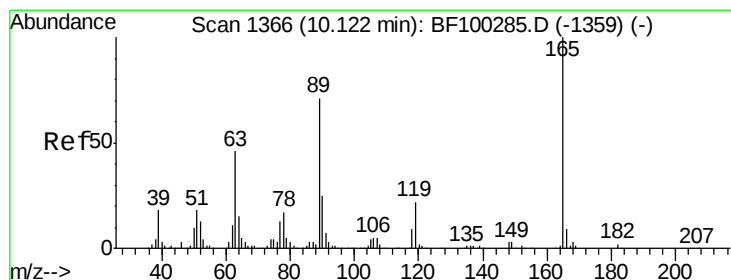
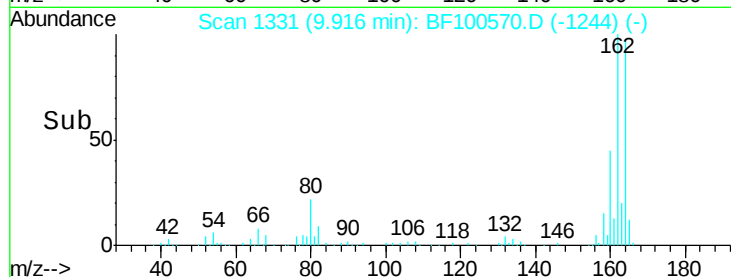
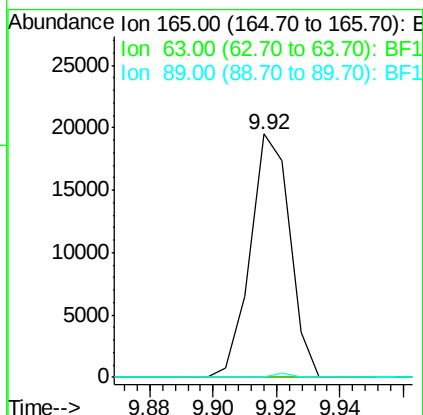
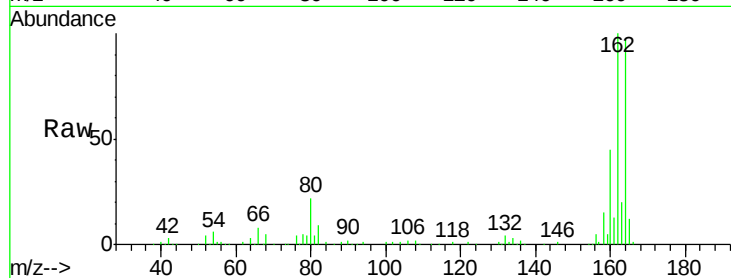




#50
 2,6-Dinitrotoluene
 Concen: 8.16 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF100570.D
 Acq: 15 Nov 2017 5:40

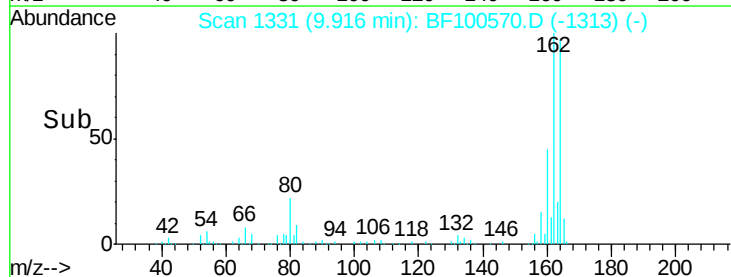
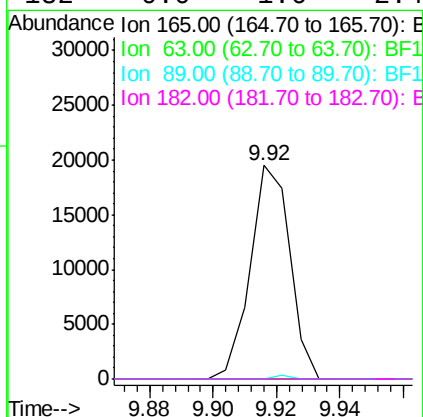
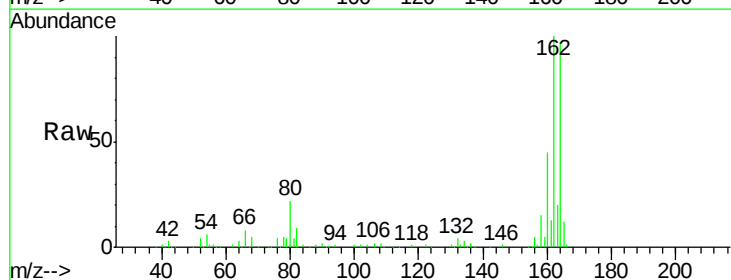
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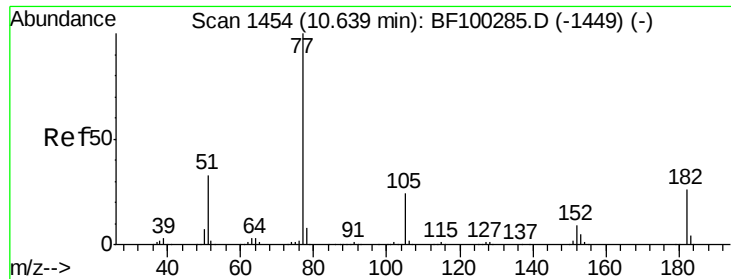
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.47 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF100570.D
 Acq: 15 Nov 2017 5:40

Tgt 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#





#62

Azobenzene

Concen: 5.79 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.01 min

Lab File: BF100570.D

Acq: 15 Nov 2017 5:40

Instrument :

BNA_F

ClientSampleId :

110817-SIDI-F-U-M

Tgt Ion: 77 Resp: 56993

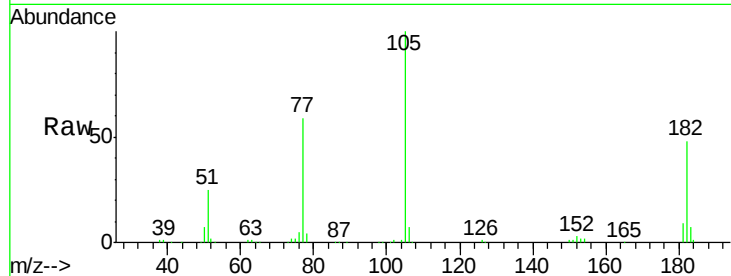
Ion Ratio Lower Upper

77 100

182 81.6 1.7 41.7#

105 169.3 3.0 43.0#

51 43.1 9.9 49.9

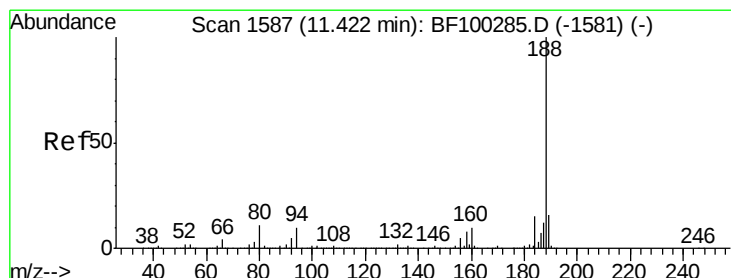
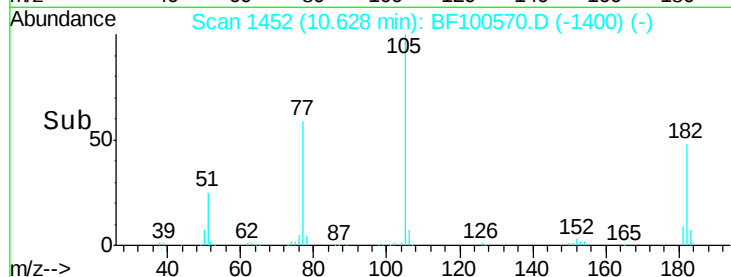
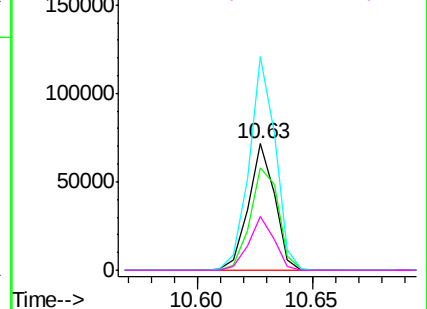


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: BF100570.D

Acq: 15 Nov 2017 5:40

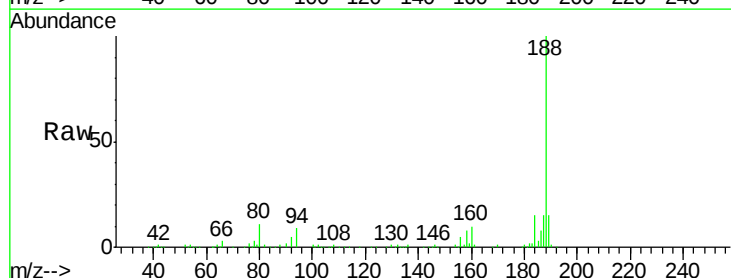
Tgt Ion: 188 Resp: 230168

Ion Ratio Lower Upper

188 100

94 9.1 8.5 12.7

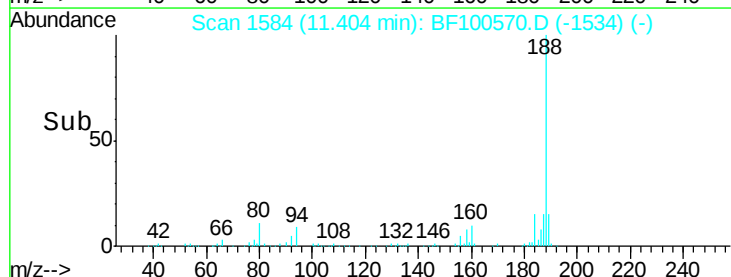
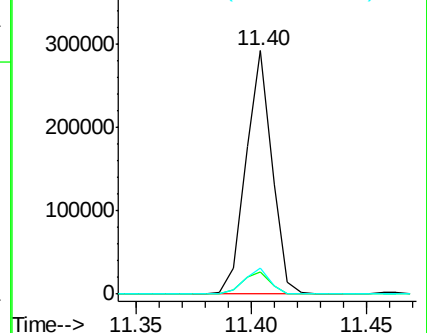
80 10.6 9.2 13.8



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

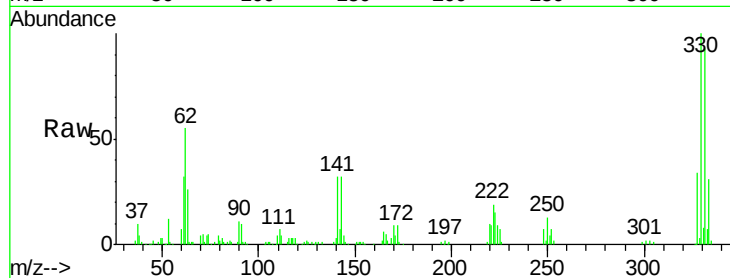




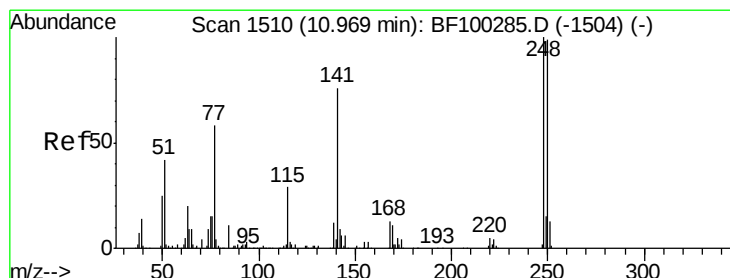
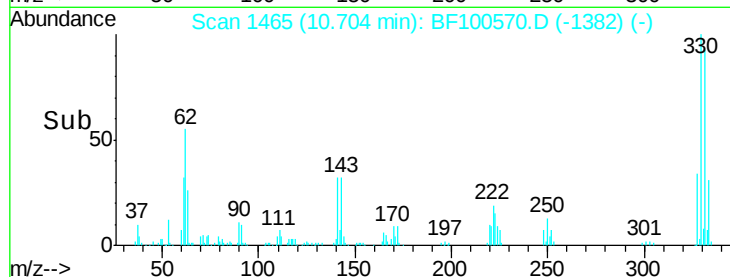
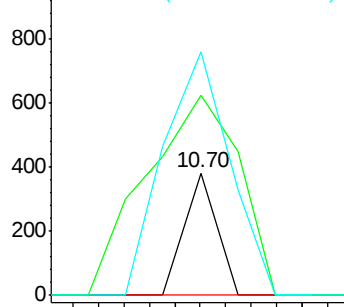
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.67 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.19 min
 Lab File: BF100570.D
 Acq: 15 Nov 2017 5:40

Instrument :
 BNA_F
 ClientSampleId :
 110817-SIDI-F-U-M

Tgt Ion:198 Resp: 135
 Ion Ratio Lower Upper
 198 100
 51 163.4 37.7 77.7#
 105 199.0 36.3 76.3#

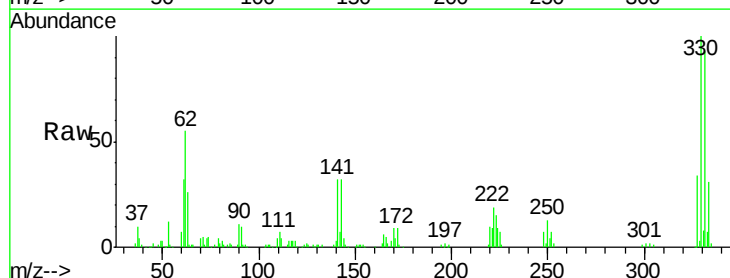


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

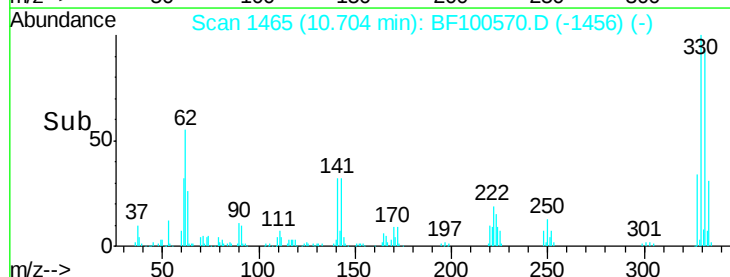
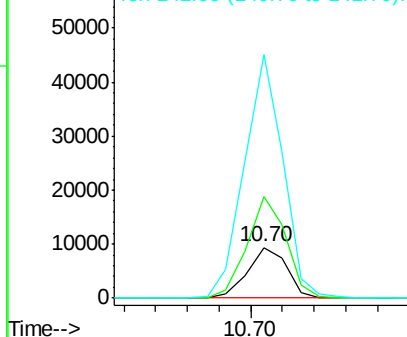


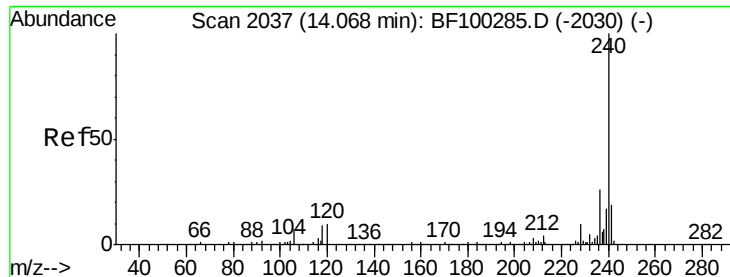
#66
 4-Bromophenyl-phenylether
 Concen: 3.26 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF100570.D
 Acq: 15 Nov 2017 5:40

Tgt Ion:248 Resp: 8034
 Ion Ratio Lower Upper
 248 100
 250 200.6 76.9 115.3#
 141 481.0 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: BF100570.D

Acq: 15 Nov 2017 5:40

Instrument :

BNA_F

ClientSampleId :

110817-SIDI-F-U-M

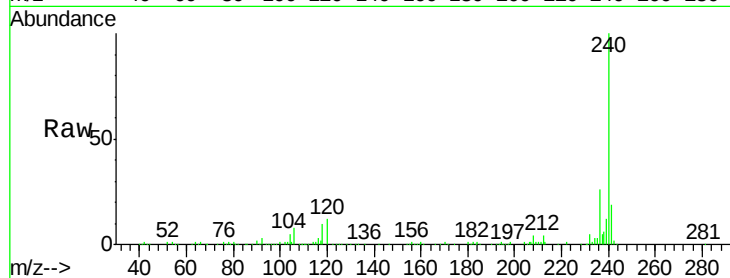
Tgt Ion:240 Resp: 236374

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

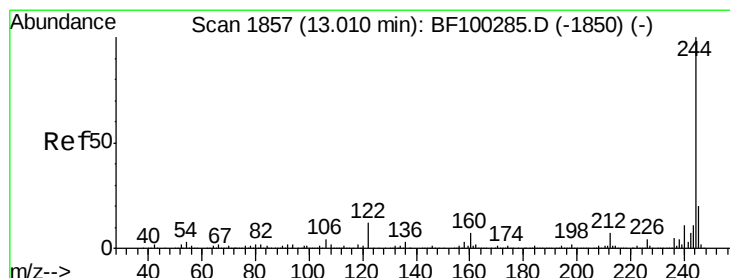
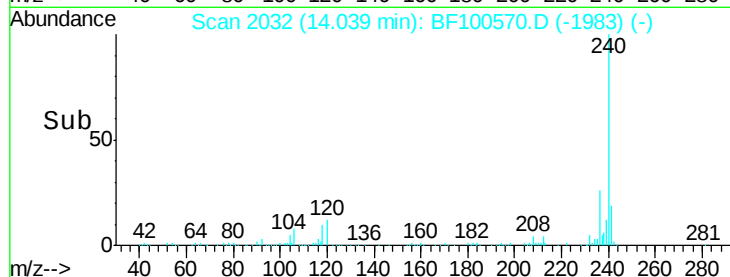
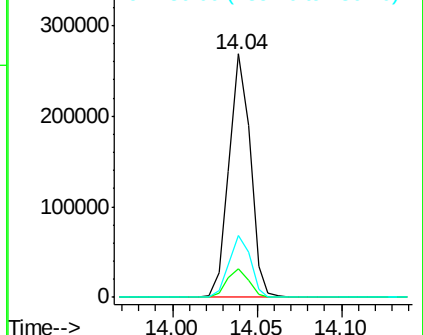
236 25.5 20.7 31.1



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: 80.63 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF100570.D

Acq: 15 Nov 2017 5:40

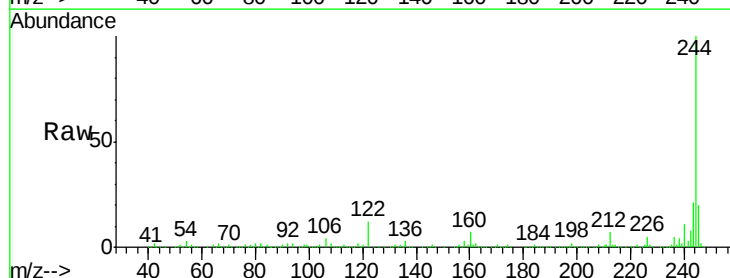
Tgt Ion:244 Resp: 829515

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

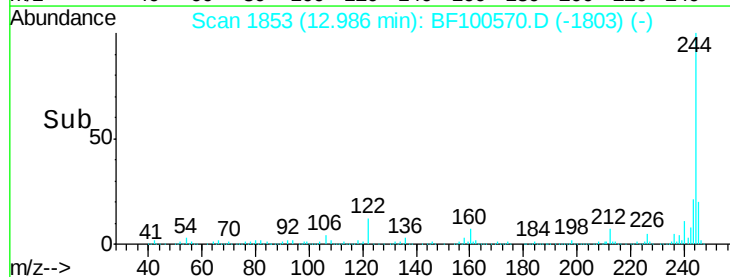
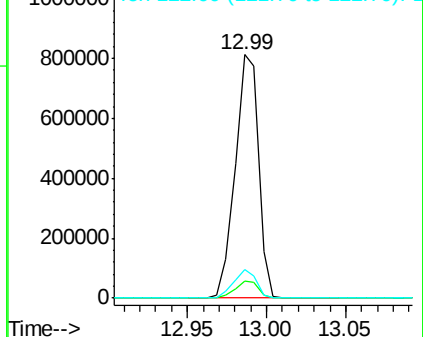
122 11.9 11.0 16.4

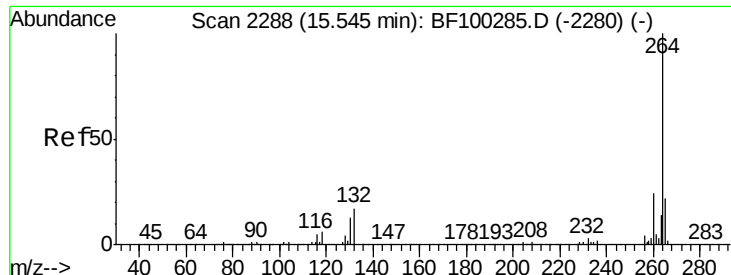


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.01 min
Lab File: BF100570.D
Acq: 15 Nov 2017 5:40

Instrument :
BNA_F
ClientSampleId :
110817-SIDI-F-U-M

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	22.1	17.5	26.3

