

Data File : BF100567.D
Acq On : 15 Nov 2017 4:21
Operator : SJ/JU
Sample : I6403-10
Misc :
ALS Vial : 30 Sample Multiplier: 1

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

Quant Time: Nov 15 06:29:44 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	6.89	152	106697	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	378910	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	141726	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	236134	20.00	ng	0.00
75) Chrysene-d12	14.04	240	230522	20.00	ng	-0.01
86) Perylene-d12	15.52	264	166088	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	327064	49.14	ng	0.00
7) Phenol-d6	6.50	99	254461	31.00	ng	-0.01
23) Nitrobenzene-d5	7.45	82	638183	111.35	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	128843	89.21	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1050385	112.85	ng	0.00
78) Terphenyl-d14	12.99	244	792974	79.04	ng	0.00

Target Compounds						Qvalue	
19) n-Nitroso-di-n-propylamine	7.45	70	83505	14.67	ng	#	82
25) Isophorone	7.45	82	638175	52.99	ng	#	64
47) 2-Nitroaniline	9.63	65	128	2.83	ng	#	1
49) Dimethylphthalate	9.63	163	22978	2.12	ng		97
50) 2,6-Dinitrotoluene	9.92	165	17781	8.30	ng	#	25
56) 2,4-Dinitrotoluene	9.92	165	17781	6.58	ng	#	22
62) Azobenzene	10.63	77	54056	5.30	ng	#	1
64) 4,6-Dinitro-2-methylphenol	10.70	198	127	8.66	ng	#	1
66) 4-Bromophenyl-phenylether	10.70	248	7963	3.15	ng	#	1

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

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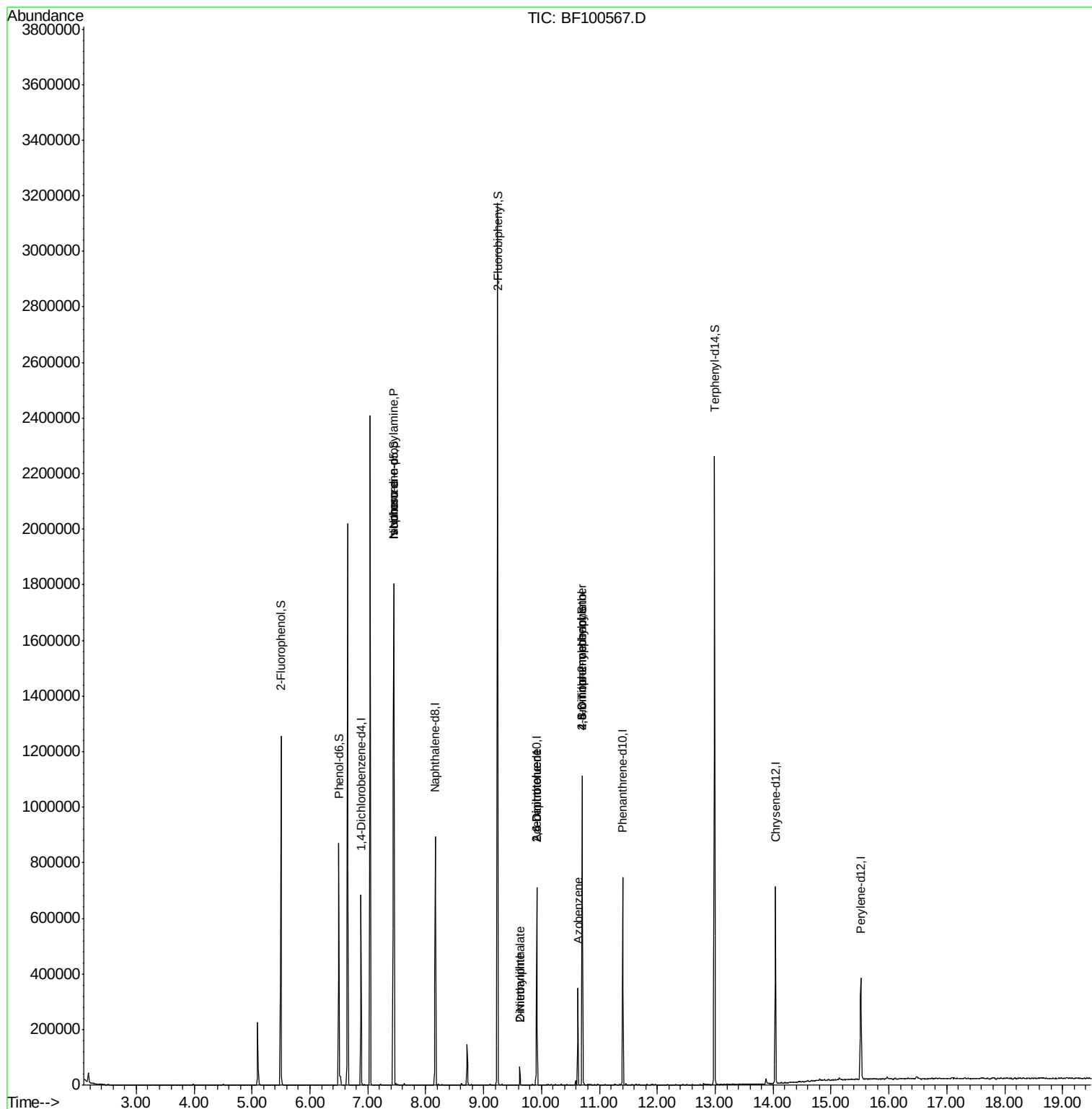
Quant Time: Nov 15 06:29:44 2017

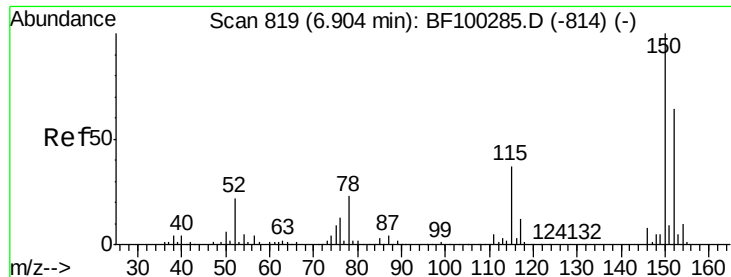
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M

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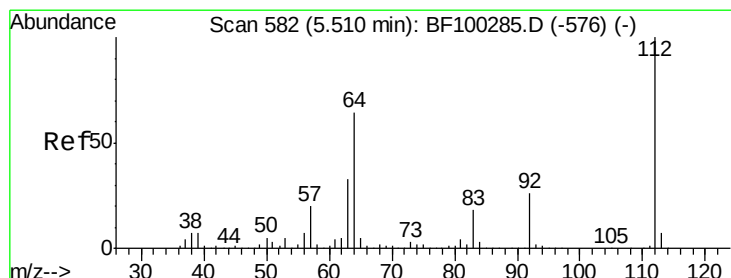
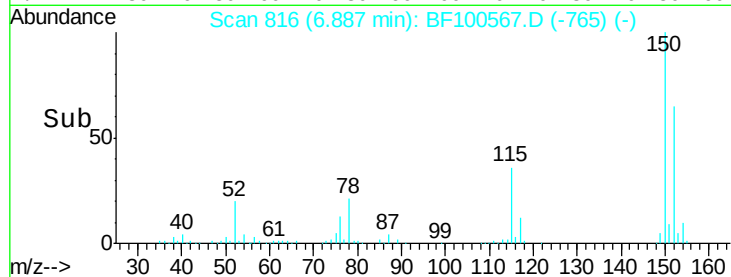
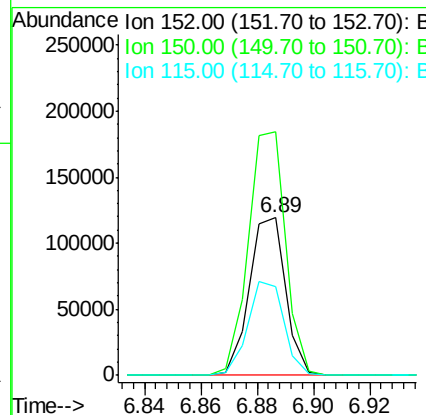
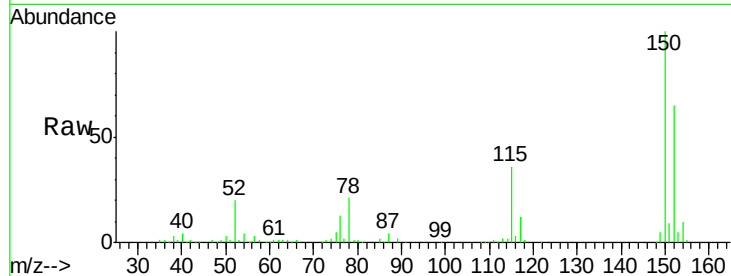


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF100567.D
Acq: 15 Nov 2017 4:21

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

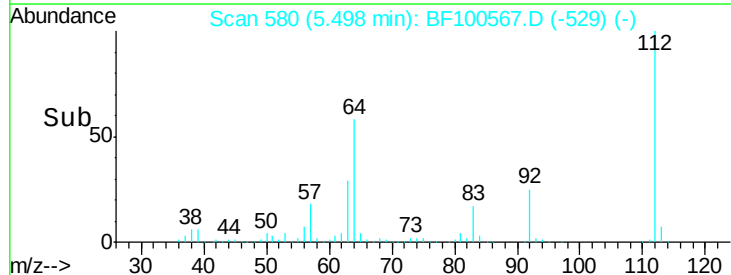
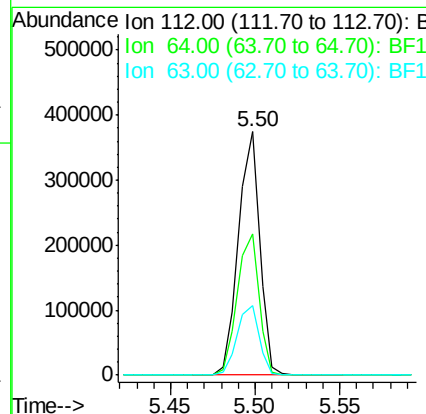
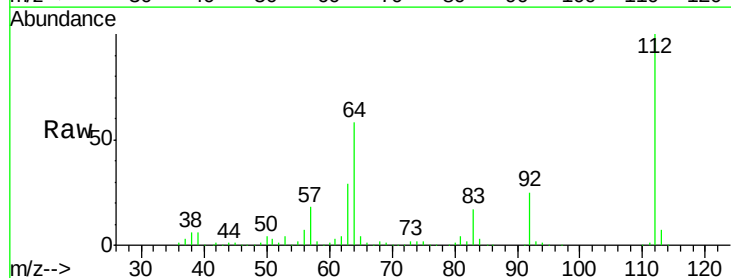
Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.6	186.8
115	56.0	50.1	75.1

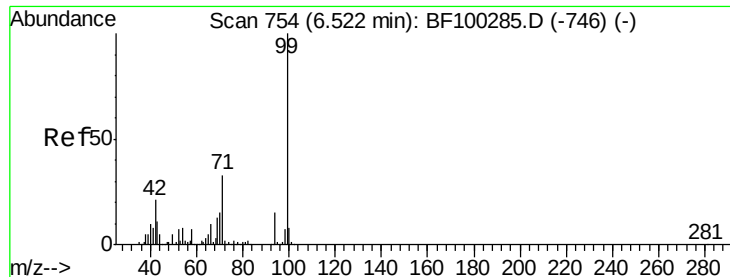


#5

2-Fluorophenol
Concen: 49.14 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.00 min
Lab File: BF100567.D
Acq: 15 Nov 2017 4:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	47.9	71.9
63	28.8	23.7	35.5





#7

Phenol-d6

Concen: 31.00 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF100567.D

Acq: 15 Nov 2017 4:21

Instrument :

BNA_F

ClientSampleId :

110817-SIDI-F-D-M

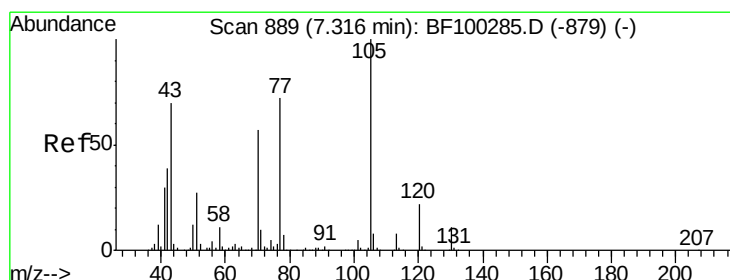
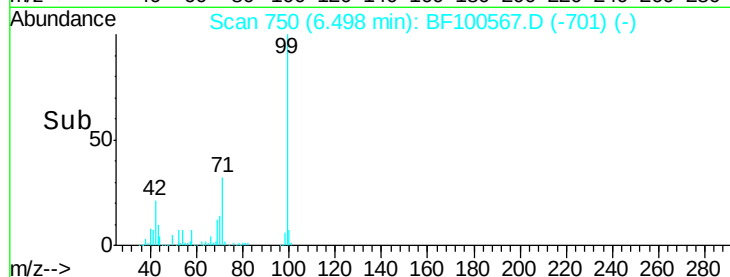
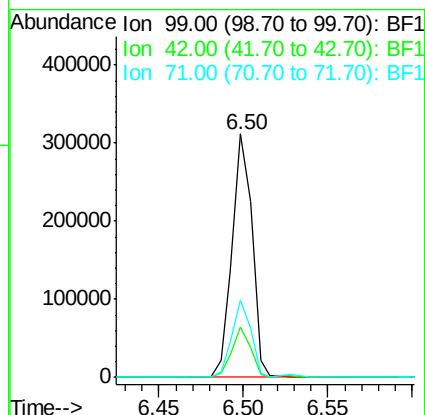
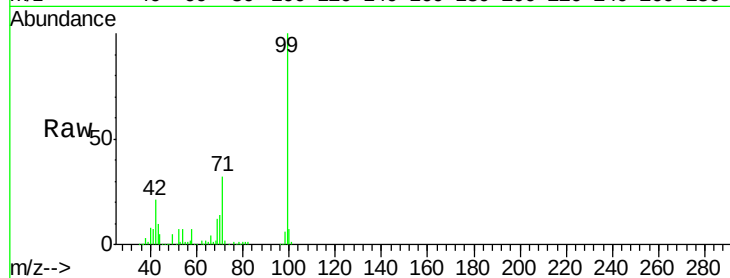
Tgt Ion: 99 Resp: 254461

Ion Ratio Lower Upper

99 100

42 20.6 14.5 21.7

71 31.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.67 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF100567.D

Acq: 15 Nov 2017 4:21

Tgt Ion: 70 Resp: 83505

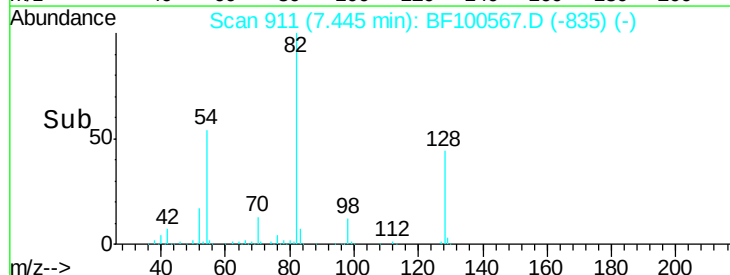
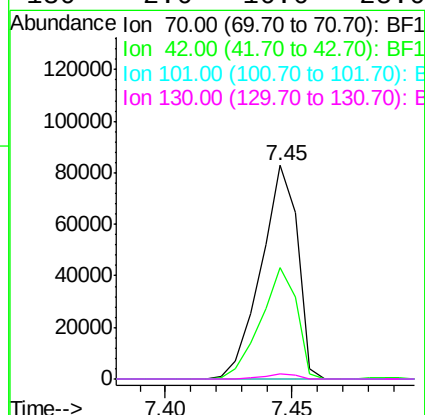
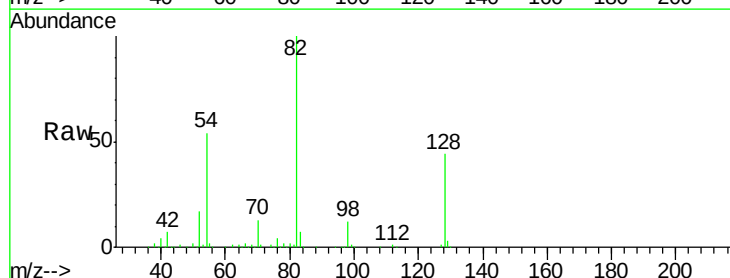
Ion Ratio Lower Upper

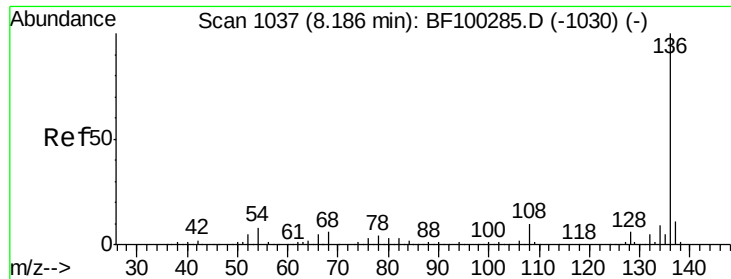
70 100

42 52.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

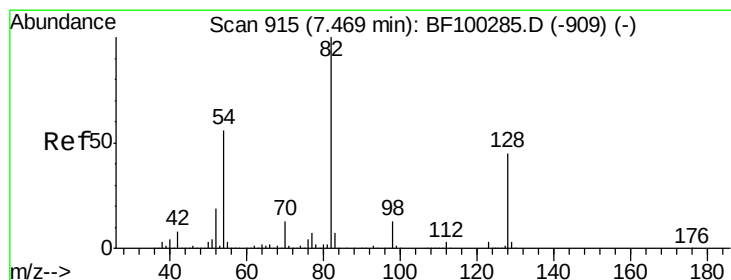
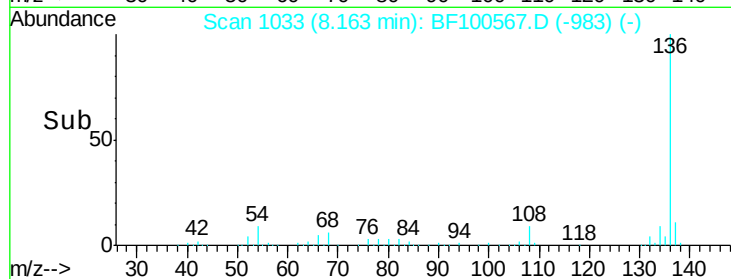
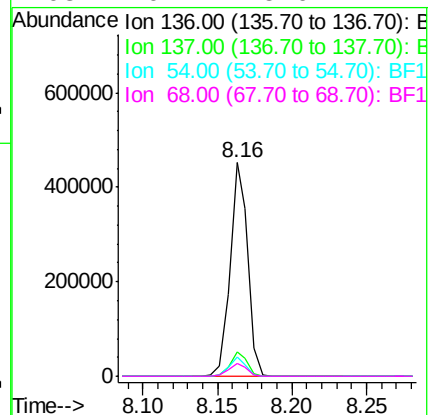
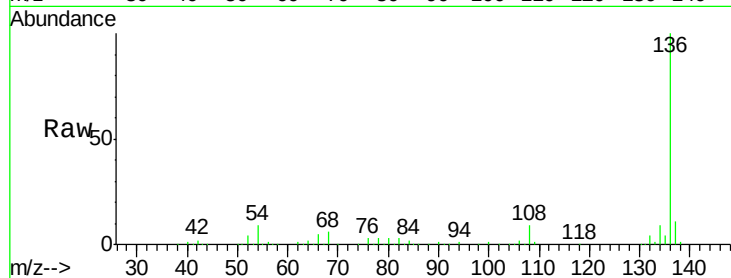




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF100567.D
Acq: 15 Nov 2017 4:21

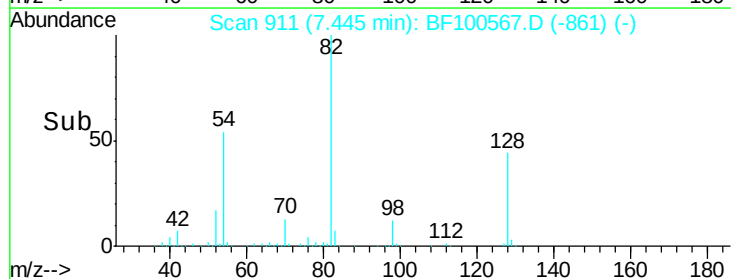
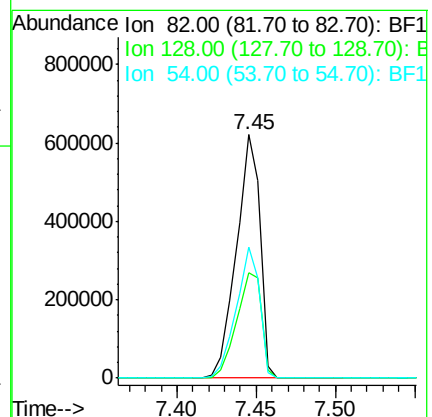
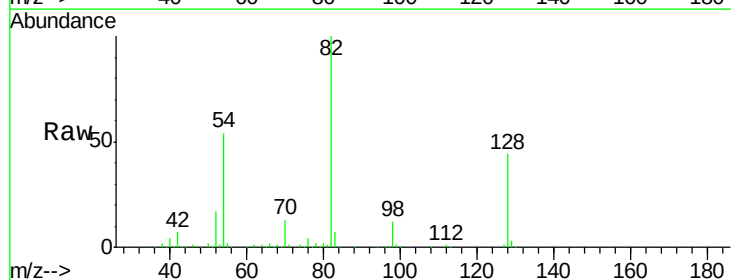
Instrument :
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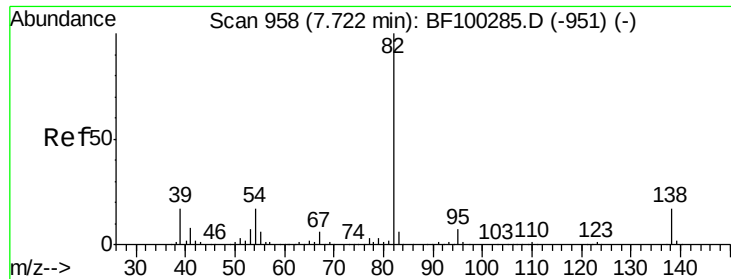
Tgt Ion:	136	Resp:	378910
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.9	6.6	9.8
68	6.2	5.0	7.4



#23
Nitrobenzene-d5
Concen: 111.35 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF100567.D
Acq: 15 Nov 2017 4:21

Tgt Ion:	82	Resp:	638183
Ion	Ratio	Lower	Upper
82	100		
128	43.5	36.1	54.1
54	53.5	41.4	62.2





#25

Isophorone

Concen: 52.99 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF100567.D

Acq: 15 Nov 2017 4:21

Instrument :

BNA_F

ClientSampleId :

110817-SIDI-F-D-M

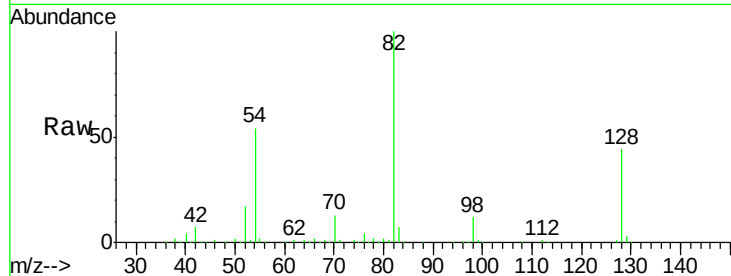
Tgt Ion: 82 Resp: 638175

Ion Ratio Lower Upper

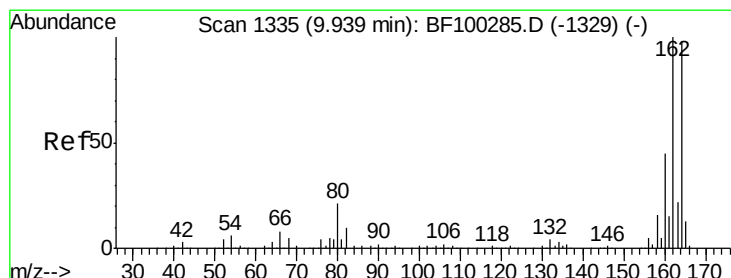
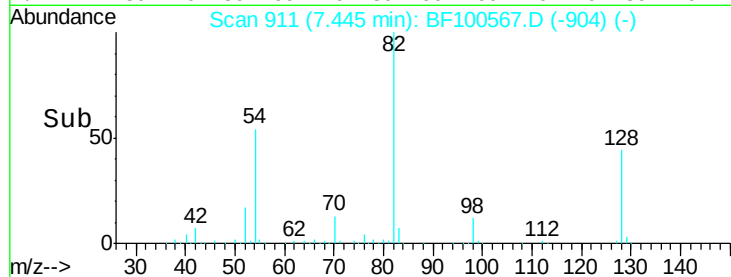
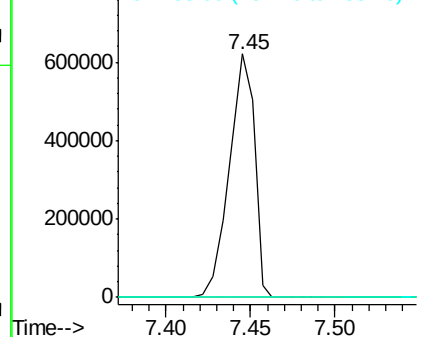
82 100

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: BF100567.D

Acq: 15 Nov 2017 4:21

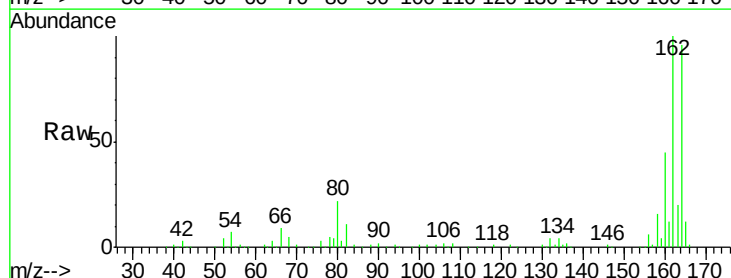
Tgt Ion: 164 Resp: 141726

Ion Ratio Lower Upper

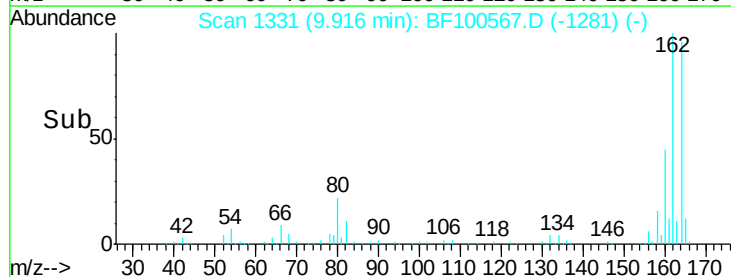
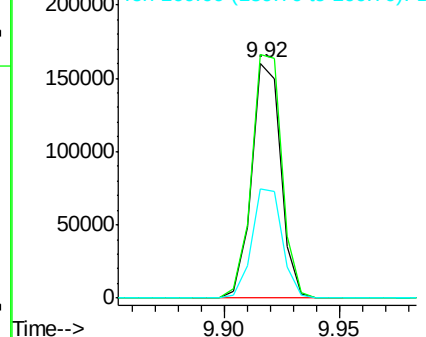
164 100

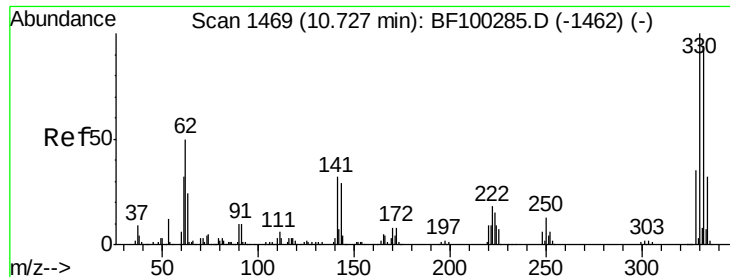
162 103.7 86.1 129.1

160 46.7 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

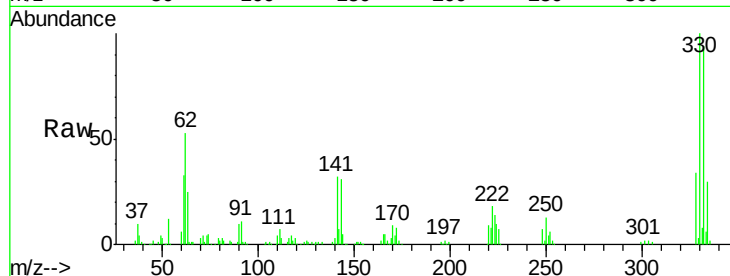




#41
 2,4,6-Tribromophenol
 Concen: 89.21 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100567.D
 Acq: 15 Nov 2017 4:21

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

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.8	77.0	115.6
141	29.7	29.9	44.9#

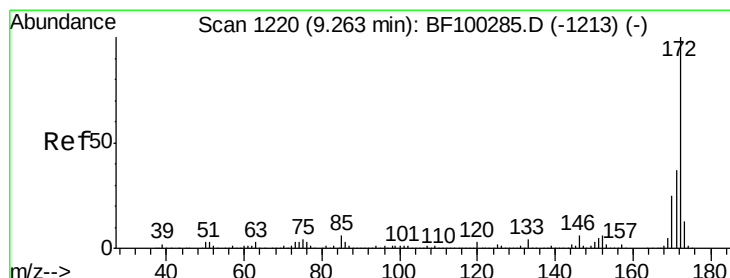
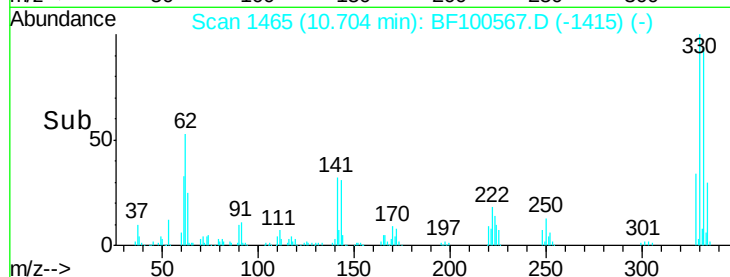
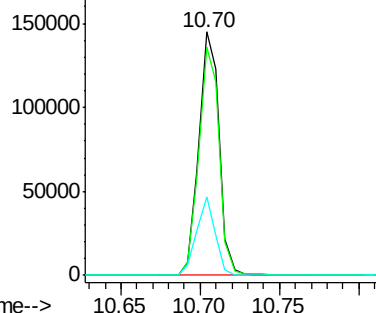


Abundance

Ion 329.80 (329.50 to 330.50): E

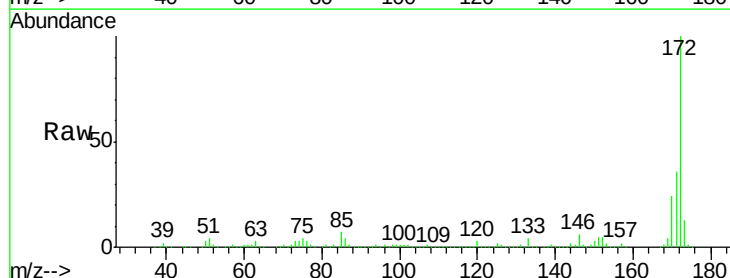
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 112.85 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF100567.D
 Acq: 15 Nov 2017 4:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.4	19.6	29.4

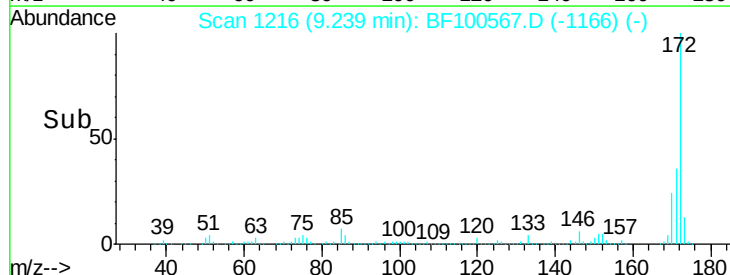
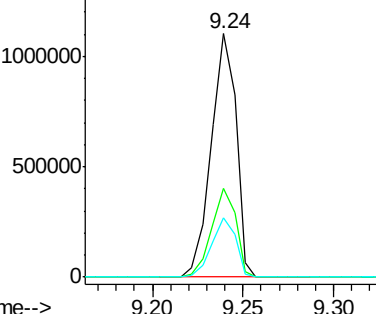


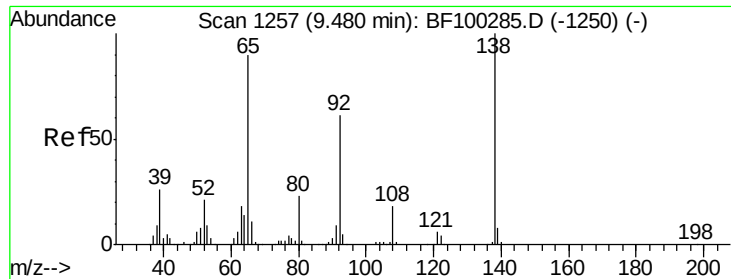
Abundance

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

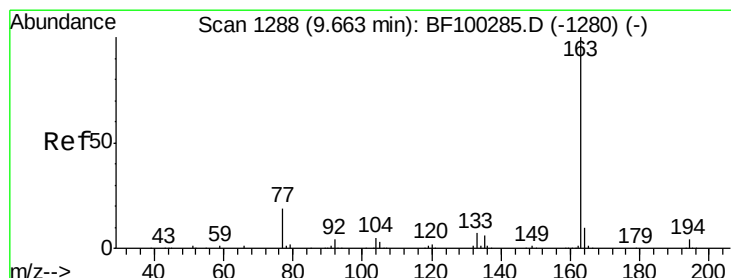
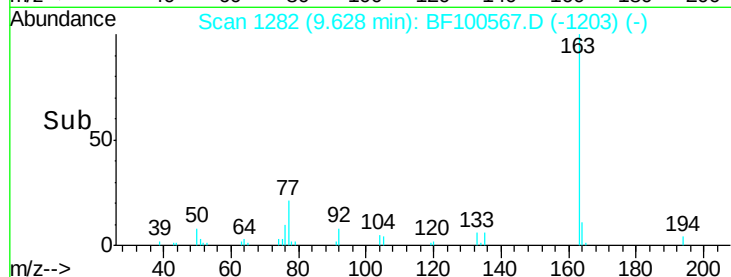
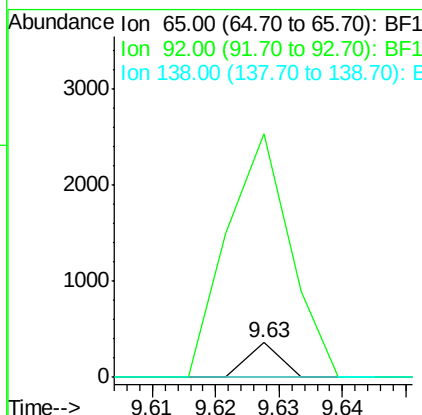
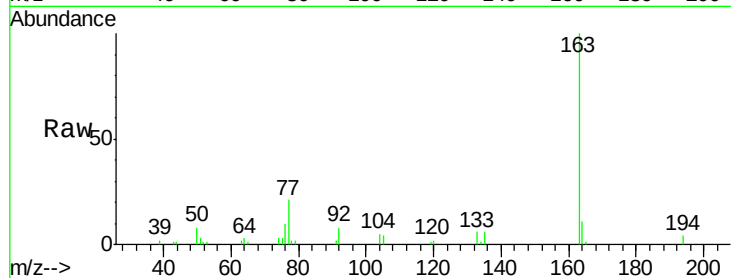




#47
2-Nitroaniline
Concen: 2.83 ng
RT: 9.63 min Scan# 1282
Delta R.T. 0.16 min
Lab File: BF100567.D
Acq: 15 Nov 2017 4:21

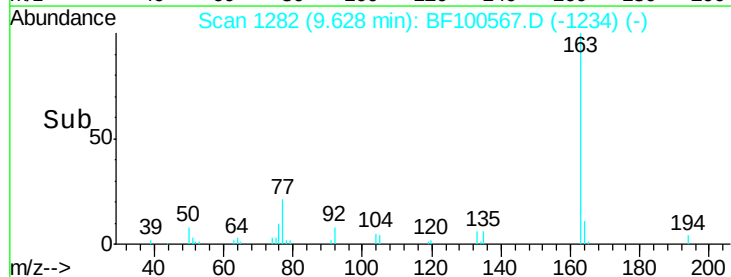
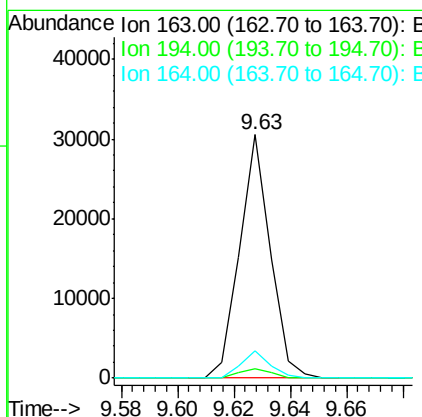
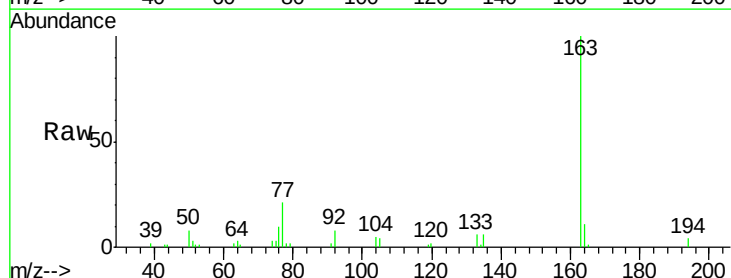
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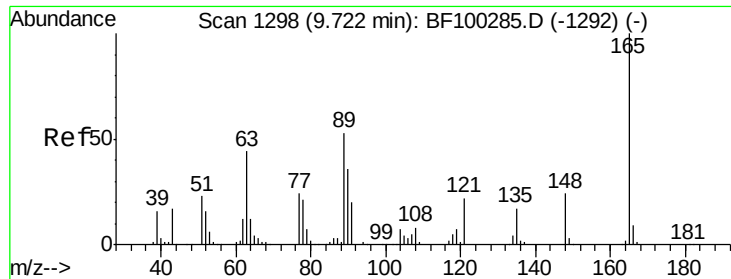
Tgt Ion: 65 Resp: 128
Ion Ratio Lower Upper
65 100
92 698.6 55.8 83.6#
138 0.0 91.2 136.8#



#49
Dimethylphthalate
Concen: 2.12 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF100567.D
Acq: 15 Nov 2017 4:21

Tgt Ion: 163 Resp: 22978
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 11.4 8.2 12.2





#50

2,6-Dinitrotoluene

Concen: 8.30 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF100567.D

Acq: 15 Nov 2017 4:21

Instrument :

BNA_F

ClientSampleId :

110817-SIDI-F-D-M

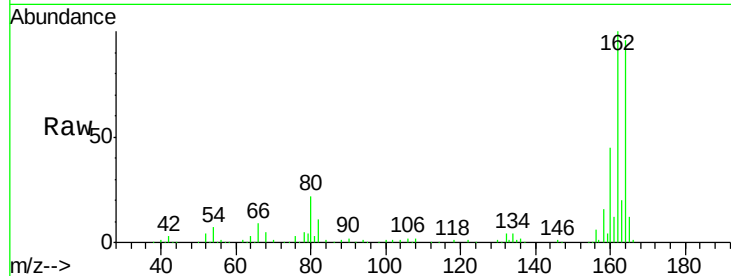
Tgt Ion:165 Resp: 17781

Ion Ratio Lower Upper

165 100

63 1.7 44.7 67.1#

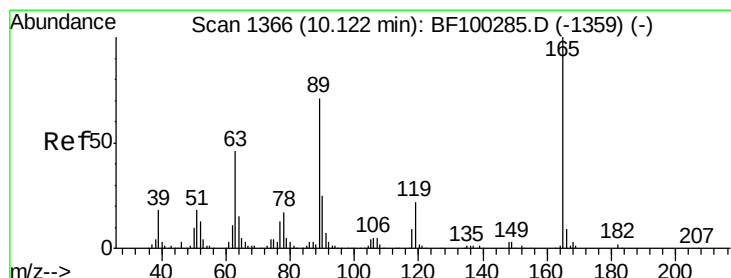
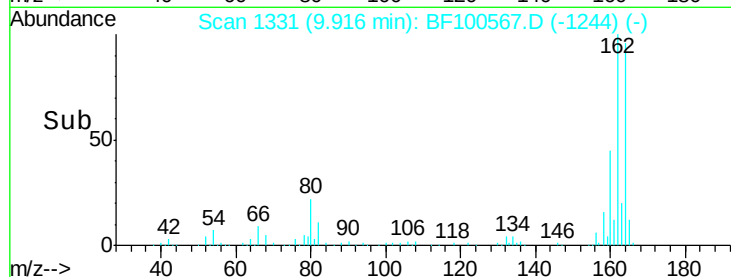
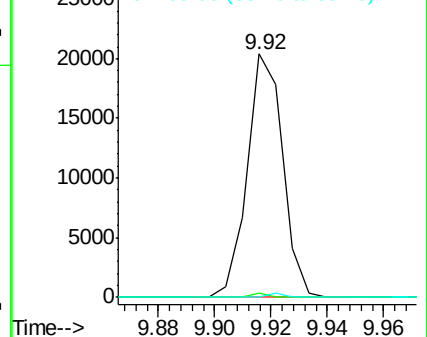
89 0.0 44.0 66.0#



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: 6.58 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF100567.D

Acq: 15 Nov 2017 4:21

Tgt Ion:165 Resp: 17781

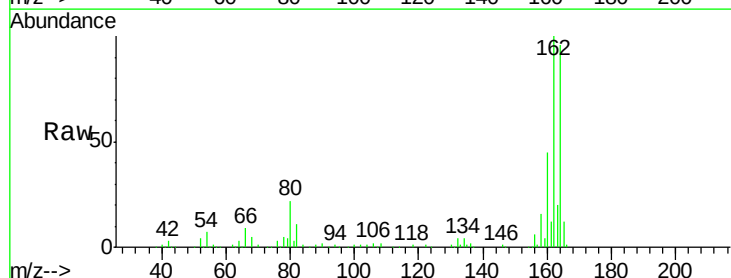
Ion Ratio Lower Upper

165 100

63 1.7 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

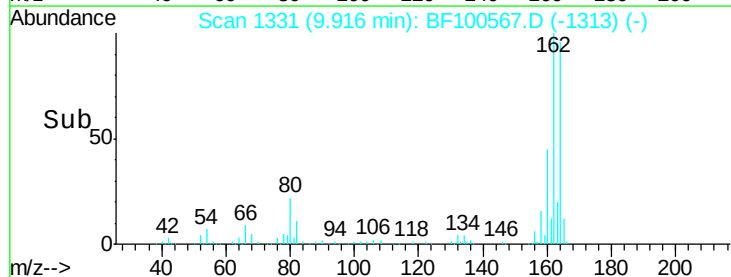
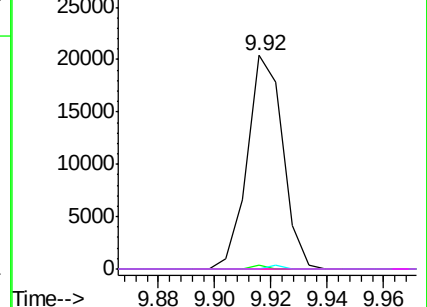


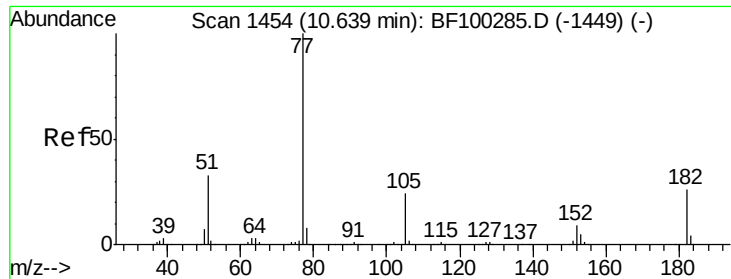
Abundance Ion 165.00 (164.70 to 165.70): E

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





#62

Azobenzene

Concen: 5.30 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.01 min

Lab File: BF100567.D

Acq: 15 Nov 2017 4:21

Instrument :

BNA_F

ClientSampleId :

110817-SIDI-F-D-M

Tgt Ion: 77 Resp: 54056

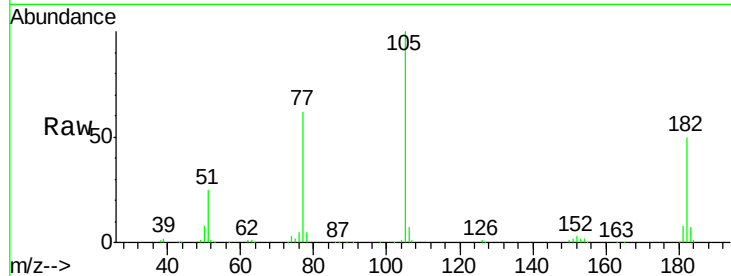
Ion Ratio Lower Upper

77 100

182 80.5 1.7 41.7#

105 162.4 3.0 43.0#

51 40.5 9.9 49.9

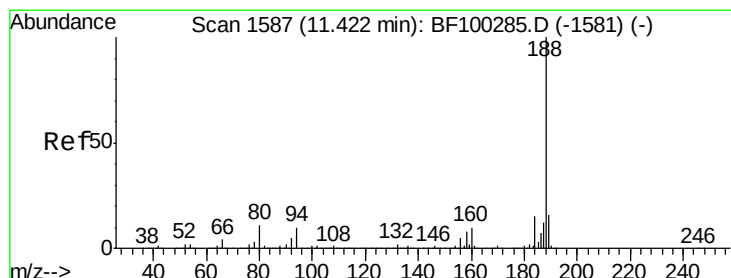
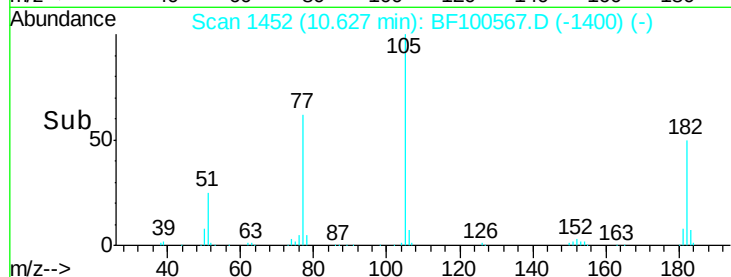
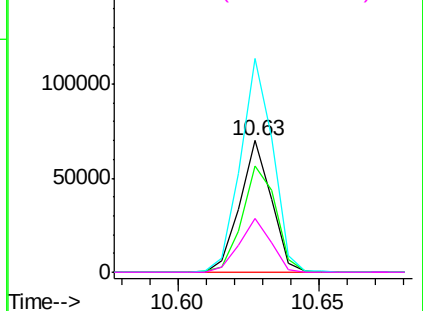


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: BF100567.D

Acq: 15 Nov 2017 4:21

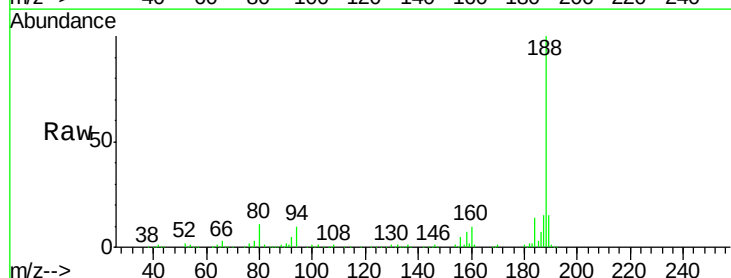
Tgt Ion: 188 Resp: 236134

Ion Ratio Lower Upper

188 100

94 9.6 8.5 12.7

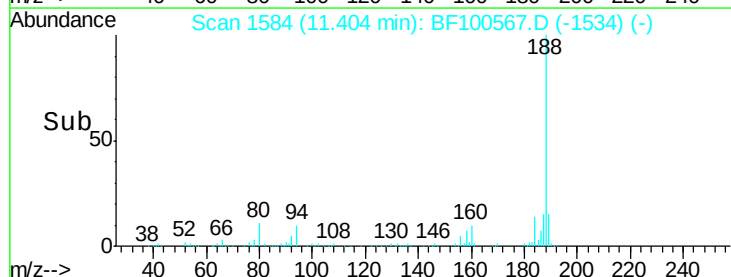
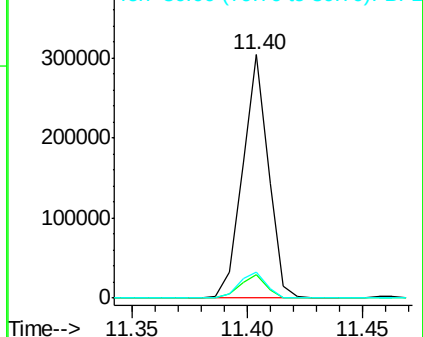
80 10.7 9.2 13.8

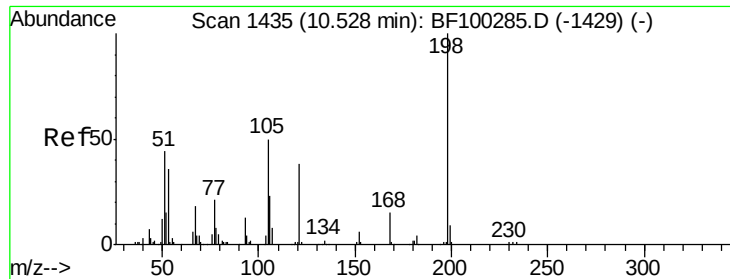


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

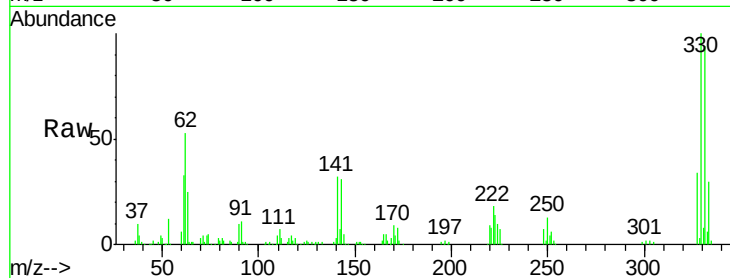




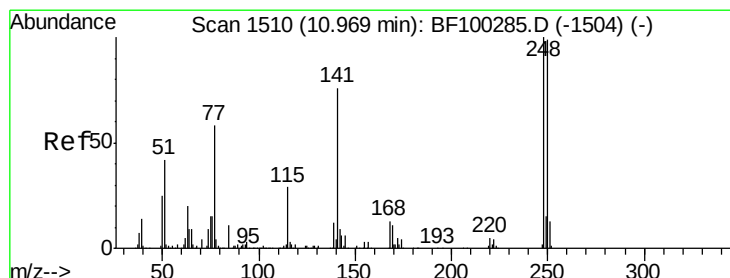
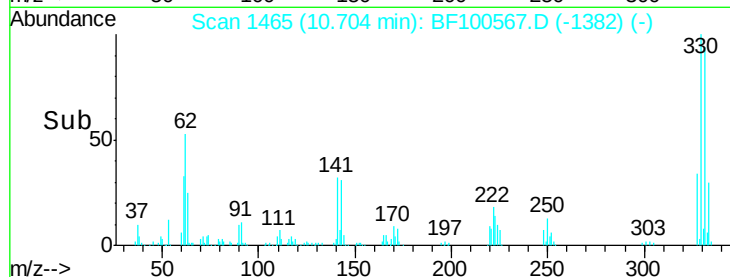
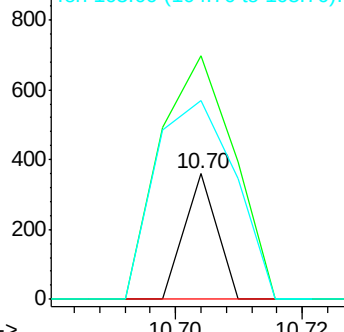
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.66 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.19 min
 Lab File: BF100567.D
 Acq: 15 Nov 2017 4:21

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

Tgt Ion:198 Resp: 127
 Ion Ratio Lower Upper
 198 100
 51 194.2 37.7 77.7#
 105 158.2 36.3 76.3#

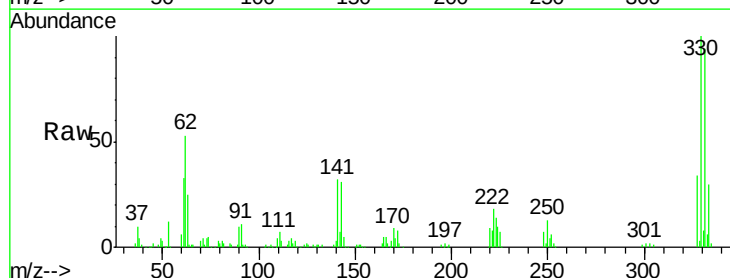


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

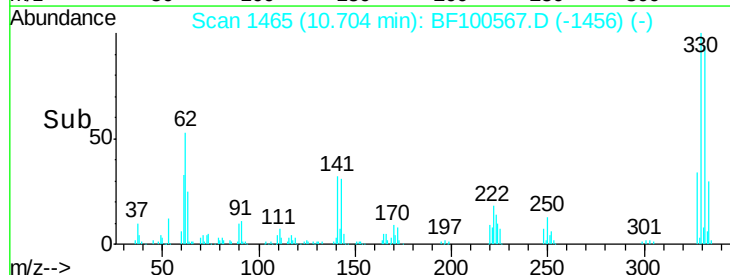
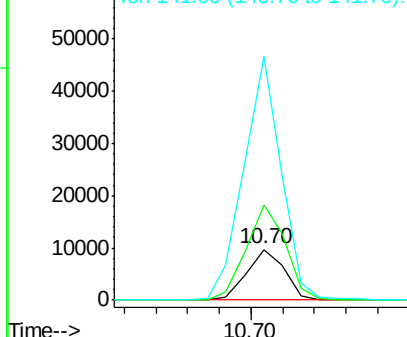


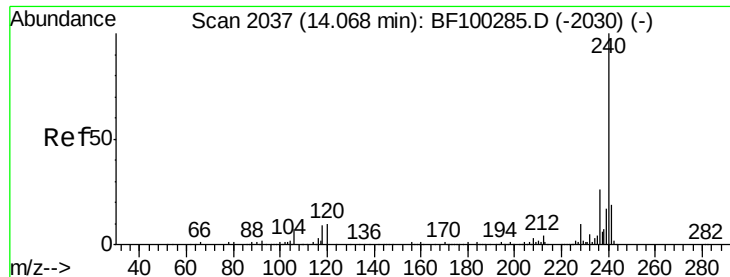
#66
 4-Bromophenyl-phenylether
 Concen: 3.15 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF100567.D
 Acq: 15 Nov 2017 4:21

Tgt Ion:248 Resp: 7963
 Ion Ratio Lower Upper
 248 100
 250 190.4 76.9 115.3#
 141 484.0 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: BF100567.D

Acq: 15 Nov 2017 4:21

Instrument :

BNA_F

ClientSampleId :

110817-SIDI-F-D-M

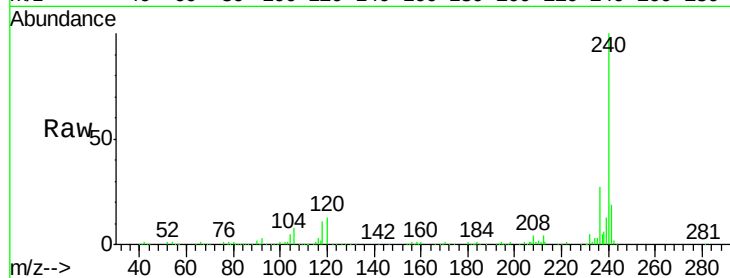
Tgt Ion:240 Resp: 230522

Ion Ratio Lower Upper

240 100

120 12.9 9.5 14.3

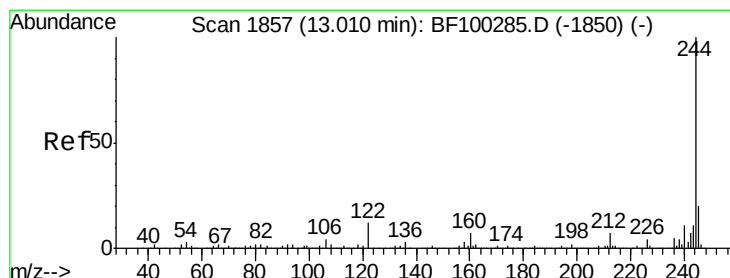
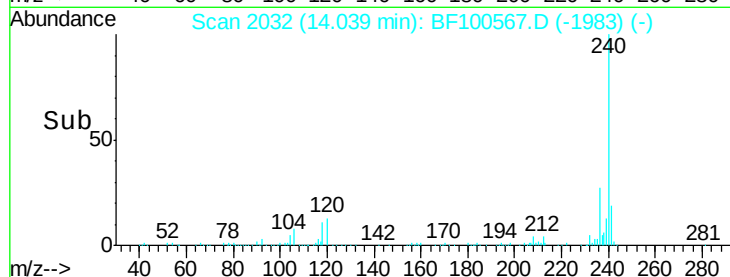
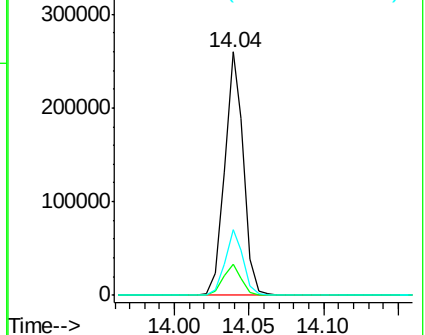
236 26.8 20.7 31.1



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: 79.04 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BF100567.D

Acq: 15 Nov 2017 4:21

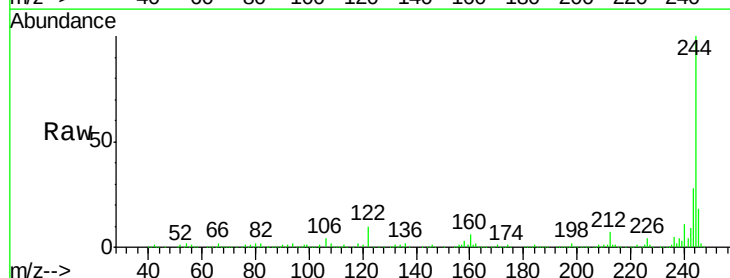
Tgt Ion:244 Resp: 792974

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

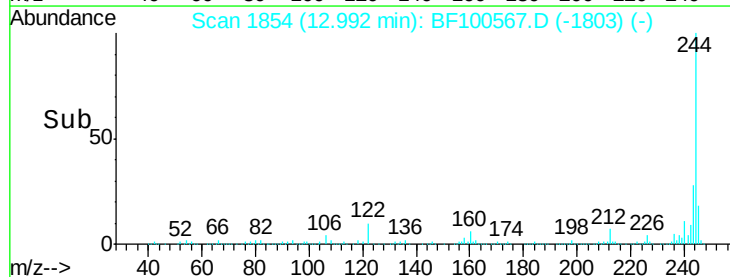
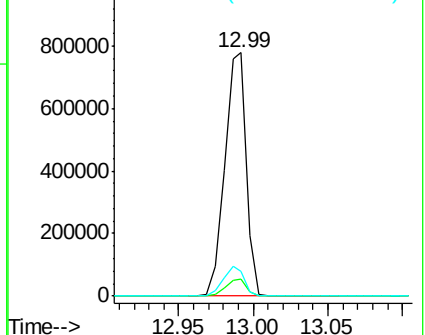
122 10.0 11.0 16.4#

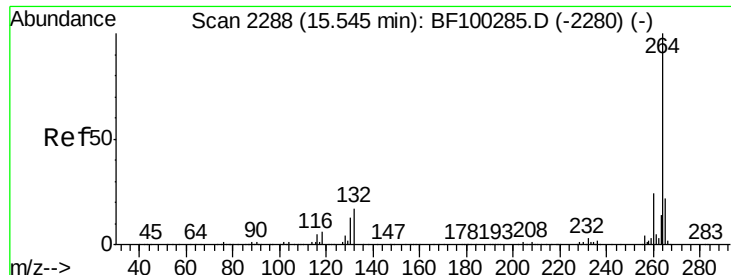


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

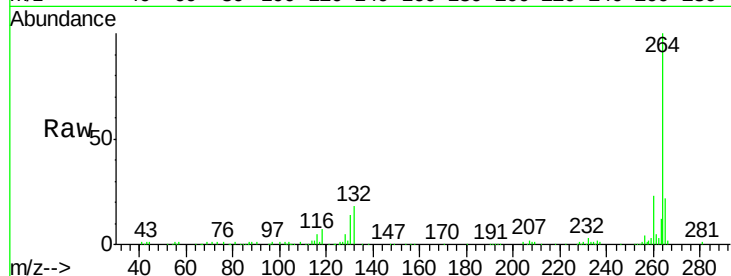




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.01 min
Lab File: BF100567.D
Acq: 15 Nov 2017 4:21

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

Tgt Ion:	264	Resp:	166088
Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.7	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

