

Data File : BF100569.D
Acq On : 15 Nov 2017 5:14
Operator : SJ/JU
Sample : I6403-12
Misc :
ALS Vial : 32 Sample Multiplier: 1

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

Quant Time: Nov 15 06:30:28 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	111728	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	396745	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	148139	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	240820	20.00	ng	0.00
75) Chrysene-d12	14.04	240	249225	20.00	ng	-0.01
86) Perylene-d12	15.52	264	166559	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	357842	51.34	ng	0.00
7) Phenol-d6	6.50	99	280932	32.69	ng	-0.01
23) Nitrobenzene-d5	7.45	82	649853	108.29	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	126784	83.99	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1051679	108.10	ng	0.00
78) Terphenyl-d14	12.99	244	812871	74.94	ng	0.00

Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.45	70	85922	14.41	ng	# 81
25) Isophorone	7.45	82	649843	51.53	ng	# 64
47) 2-Nitroaniline	9.24	65	1465	3.29	ng	# 1
50) 2,6-Dinitrotoluene	9.92	165	19187	8.57	ng	# 25
56) 2,4-Dinitrotoluene	9.92	165	19187	6.79	ng	# 22
62) Azobenzene	10.63	77	37340	3.50	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.70	198	110	8.64	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	7720	2.99	ng	# 1

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

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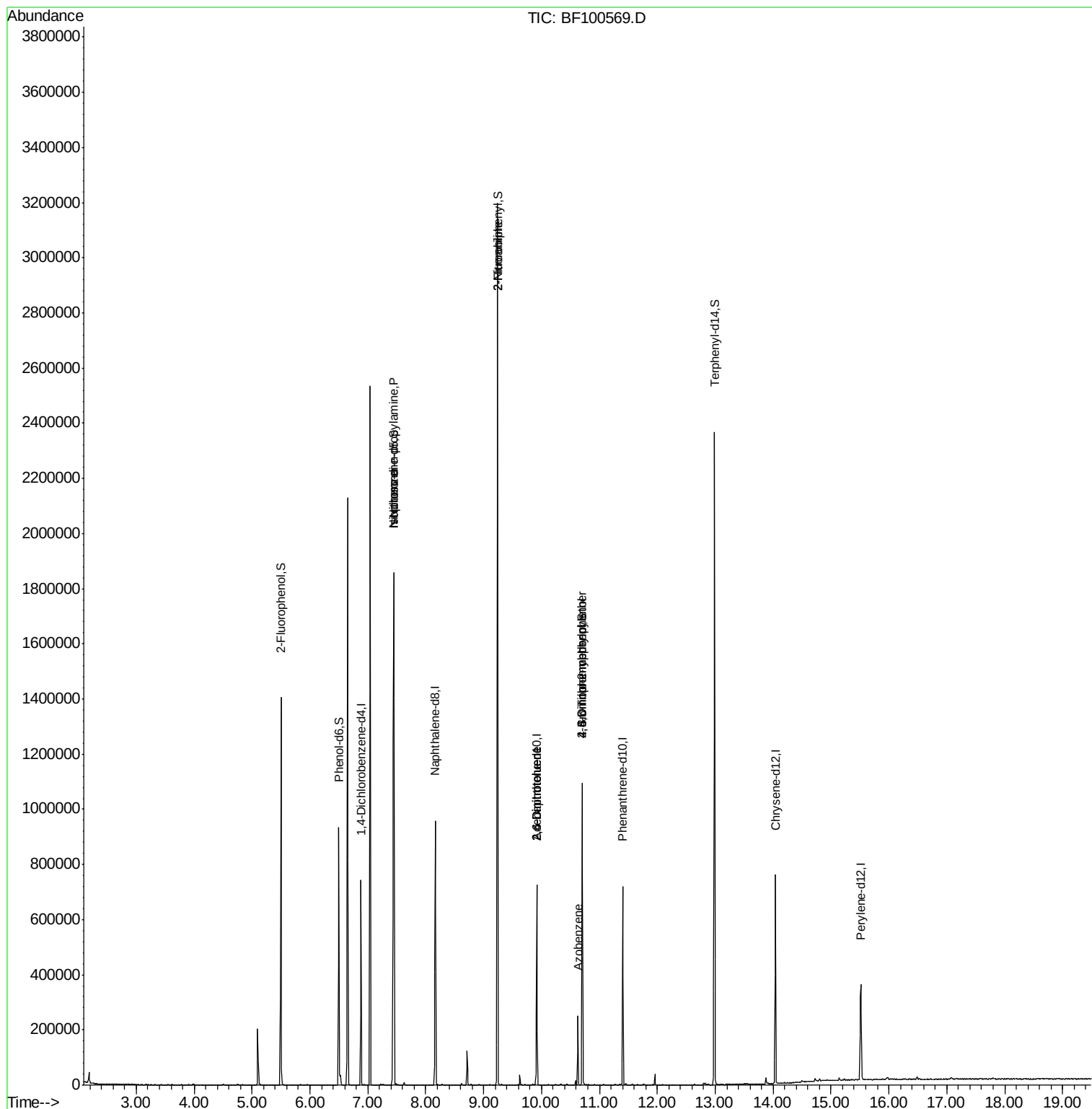
Quant Time: Nov 15 06:30:28 2017

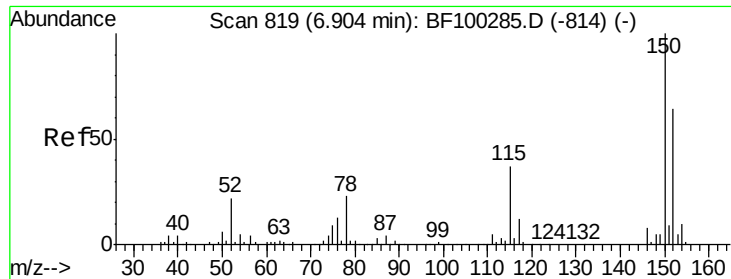
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Nov 14 14:17:16 2017

Response via : Initial Calibration

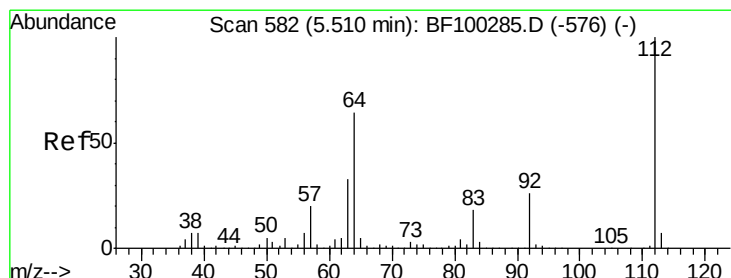
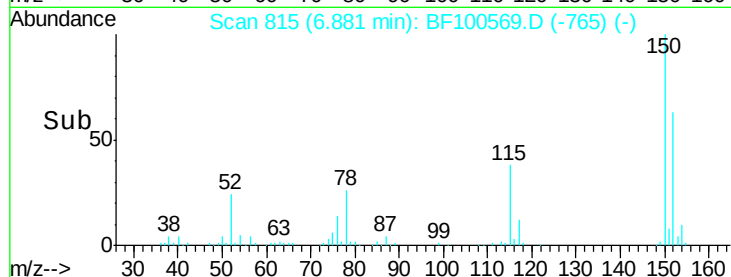
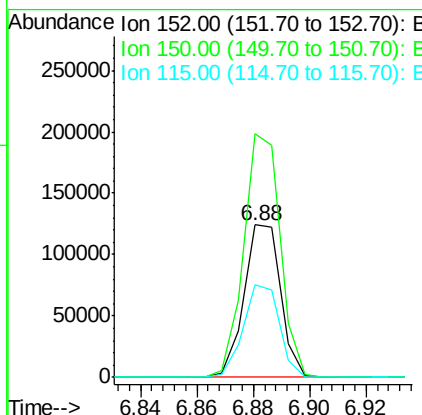
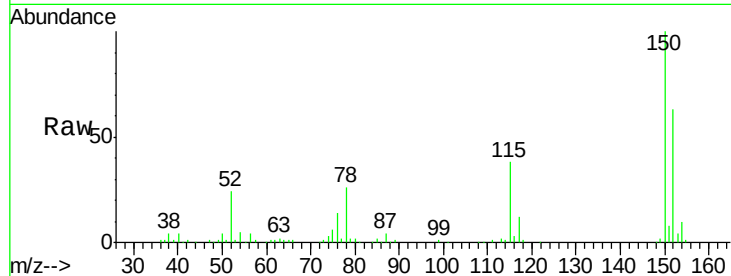




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF100569.D
 Acq: 15 Nov 2017 5:14

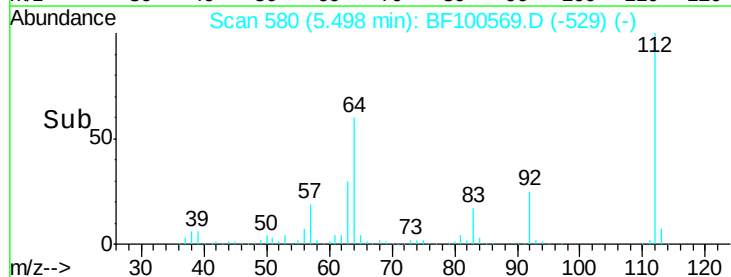
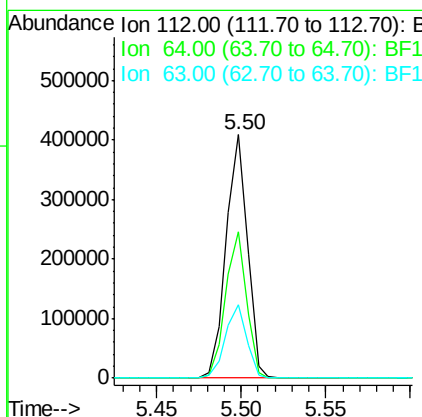
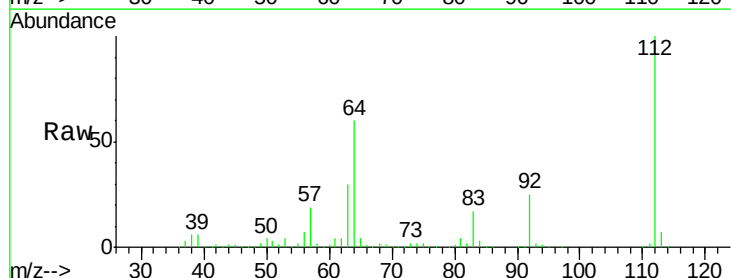
Instrument :
 BNA_F
 ClientSampleId :
 110817-SIDI-F-U-B

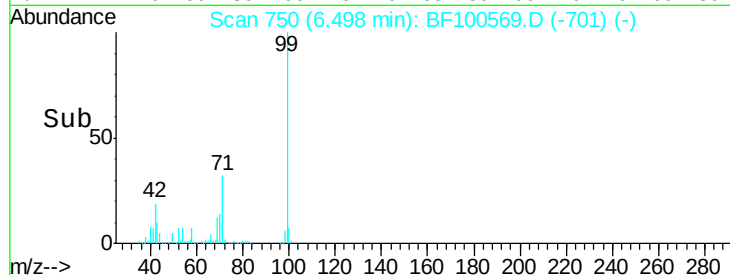
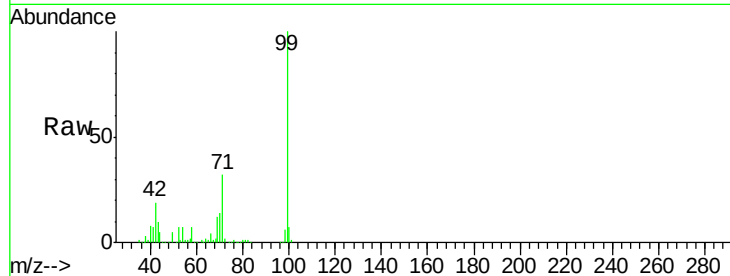
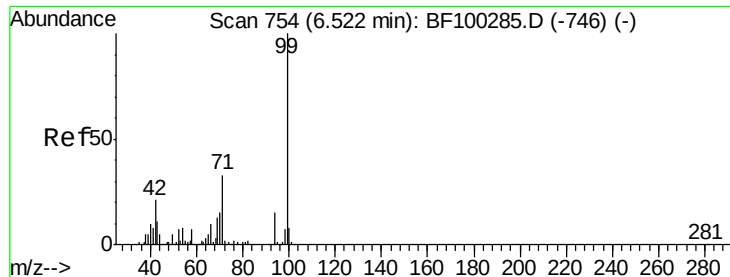
Tgt Ion:152 Resp: 111728
 Ion Ratio Lower Upper
 152 100
 150 159.7 124.6 186.8
 115 61.1 50.1 75.1



#5
 2-Fluorophenol
 Concen: 51.34 ng
 RT: 5.50 min Scan# 580
 Delta R.T. -0.00 min
 Lab File: BF100569.D
 Acq: 15 Nov 2017 5:14

Tgt Ion:112 Resp: 357842
 Ion Ratio Lower Upper
 112 100
 64 60.1 47.9 71.9
 63 30.3 23.7 35.5





#7

Phenol-d6

Concen: 32.69 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF100569.D

Acq: 15 Nov 2017 5:14

Instrument :

BNA_F

ClientSampleId :

110817-SIDI-F-U-B

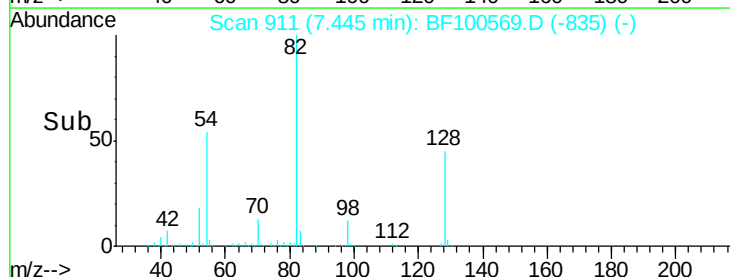
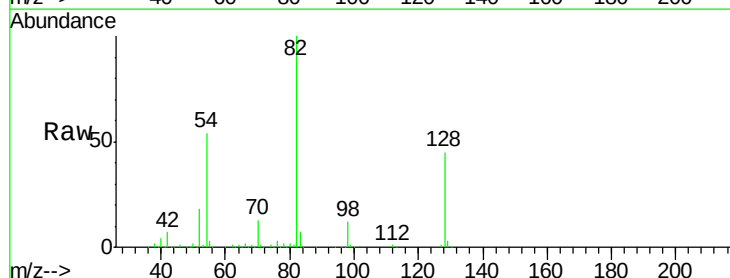
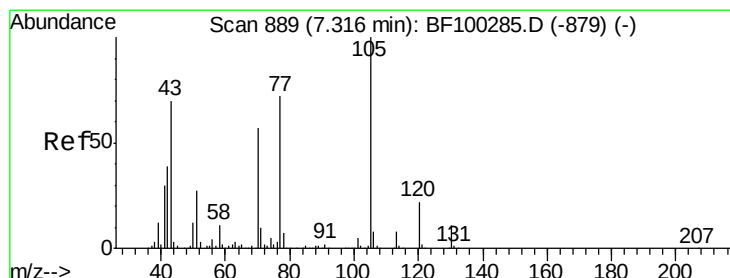
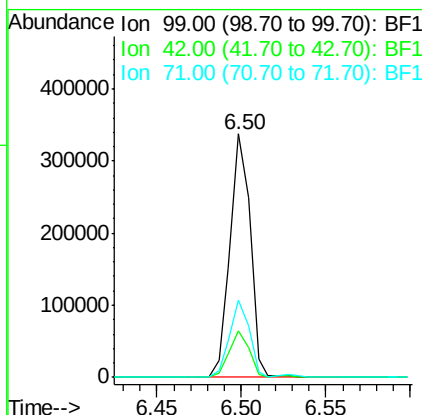
Tgt Ion: 99 Resp: 280932

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

71 31.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.41 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF100569.D

Acq: 15 Nov 2017 5:14

Tgt Ion: 70 Resp: 85922

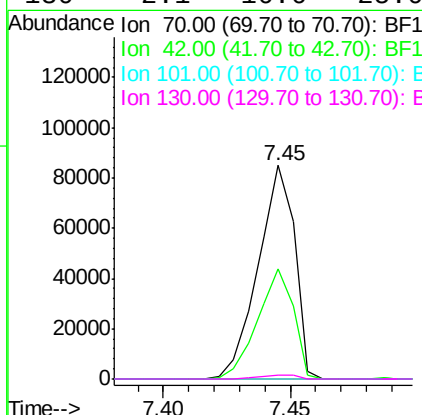
Ion Ratio Lower Upper

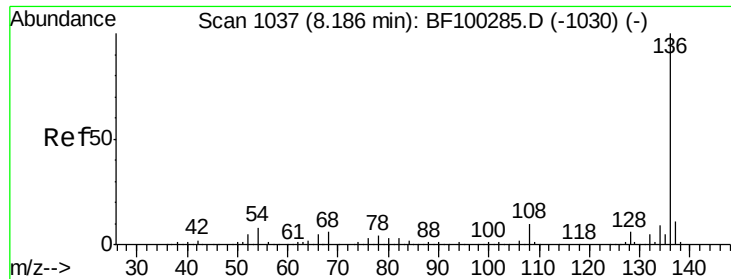
70 100

42 51.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

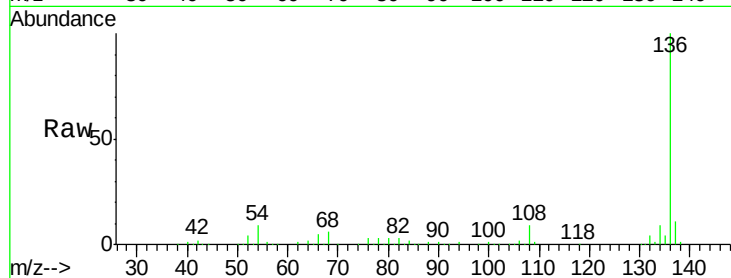




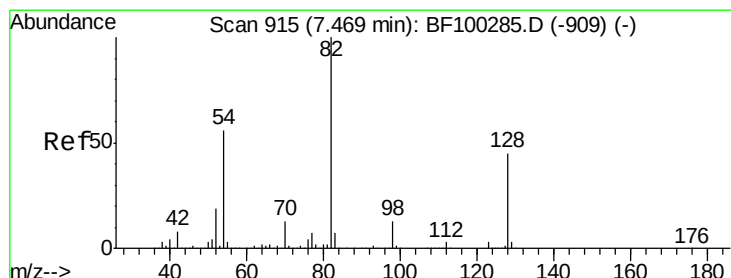
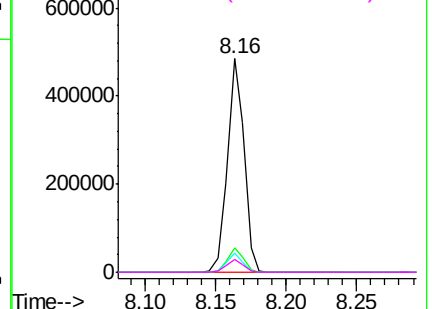
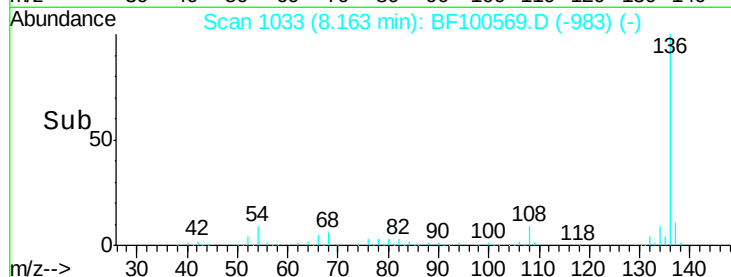
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF100569.D
Acq: 15 Nov 2017 5:14

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

Tgt Ion:	136	Resp:	396745
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	9.1	6.6	9.8
68	6.0	5.0	7.4

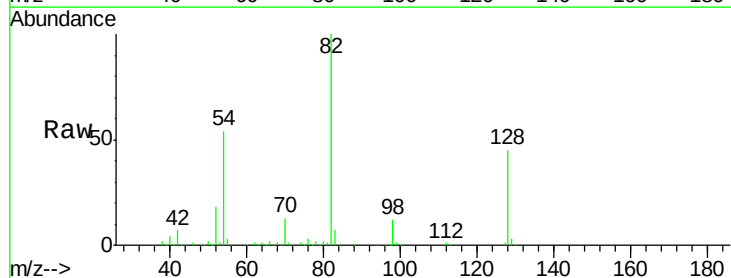


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

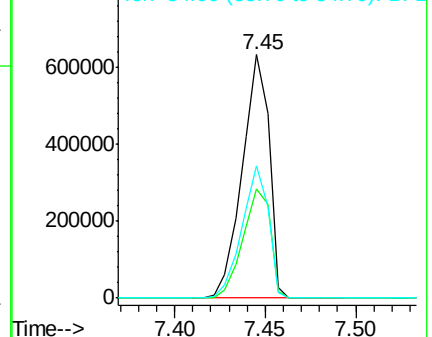
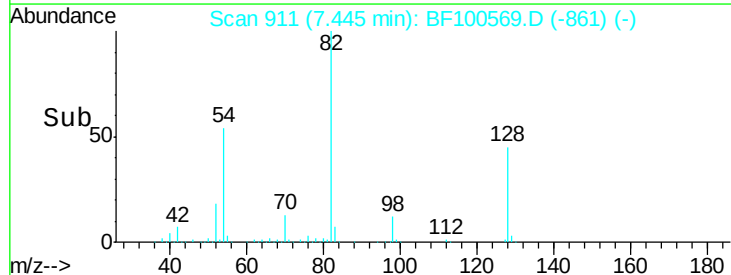


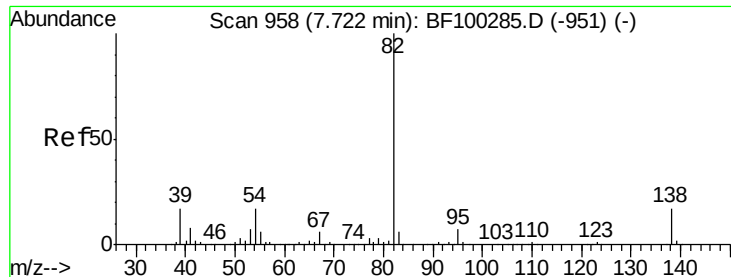
#23
Nitrobenzene-d5
Concen: 108.29 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF100569.D
Acq: 15 Nov 2017 5:14

Tgt Ion:	82	Resp:	649853
Ion Ratio	Lower	Upper	
82	100		
128	44.9	36.1	54.1
54	54.2	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: 51.53 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF100569.D

Acq: 15 Nov 2017 5:14

Instrument :

BNA_F

ClientSampleId :

110817-SIDI-F-U-B

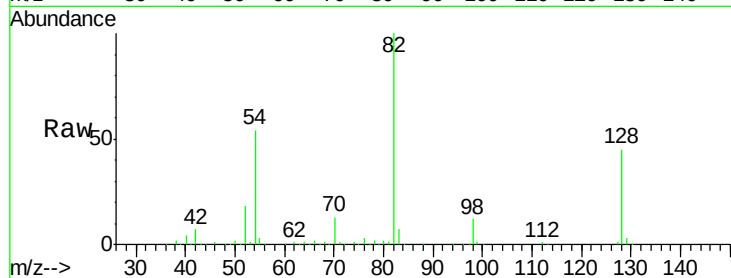
Tgt Ion: 82 Resp: 649843

Ion Ratio Lower Upper

82 100

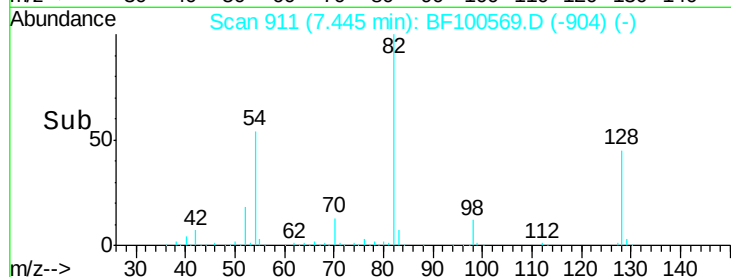
95 0.0 5.2 7.8#

138 0.0 14.9 22.3#

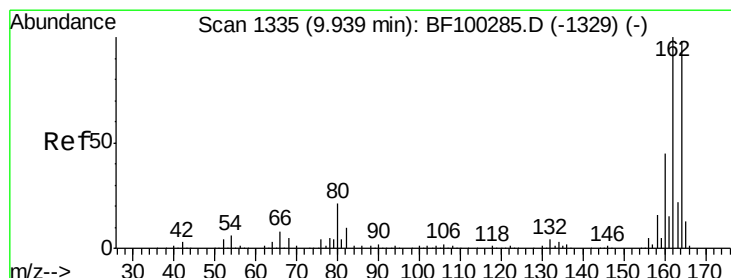


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

7.45



Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF100569.D

Acq: 15 Nov 2017 5:14

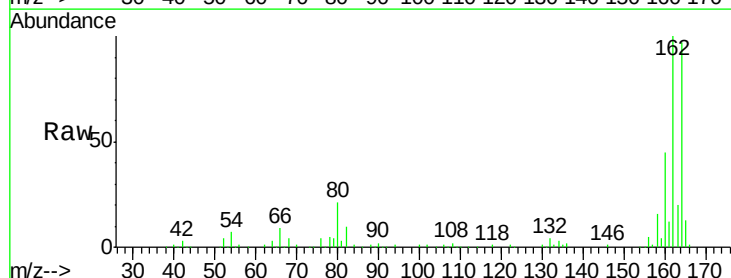
Tgt Ion: 164 Resp: 148139

Ion Ratio Lower Upper

164 100

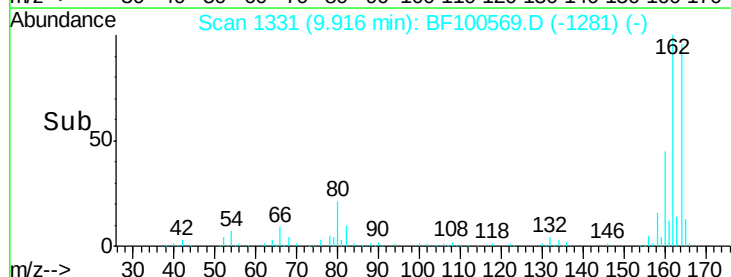
162 103.0 86.1 129.1

160 46.2 38.3 57.5

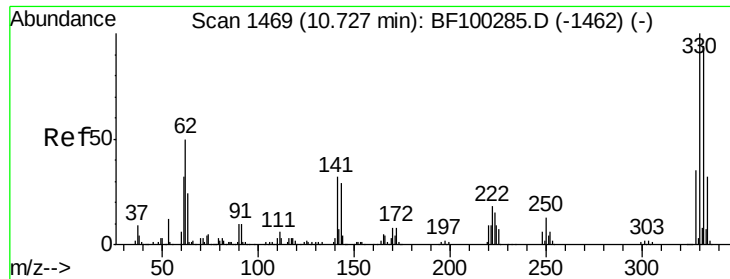


Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

9.92



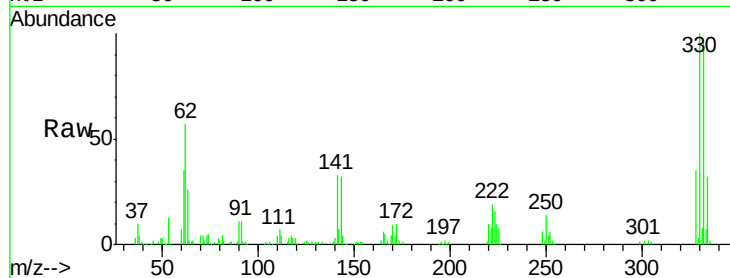
Time-->



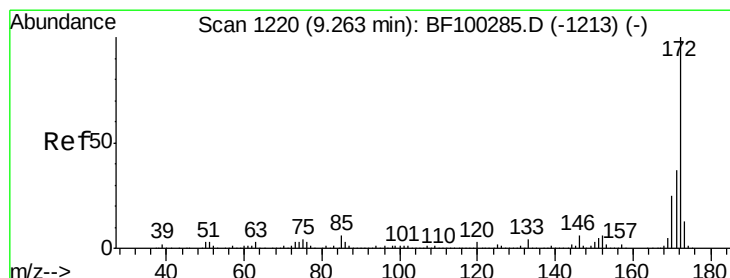
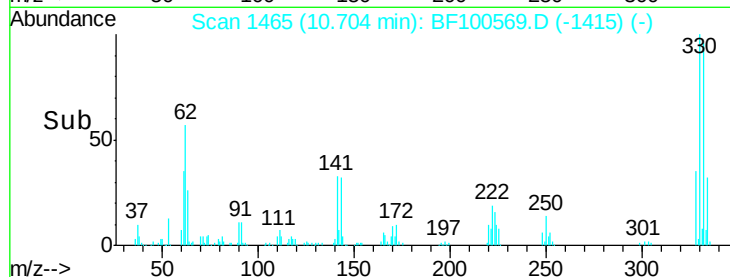
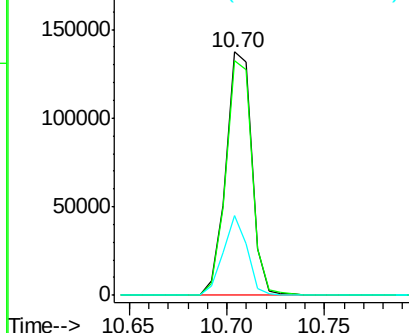
#41
 2,4,6-Tribromophenol
 Concen: 83.99 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100569.D
 Acq: 15 Nov 2017 5:14

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

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	30.2	29.9	44.9

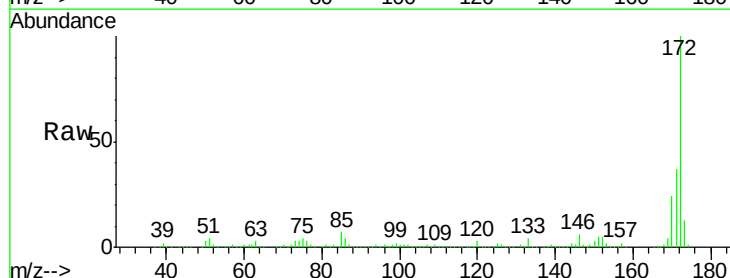


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

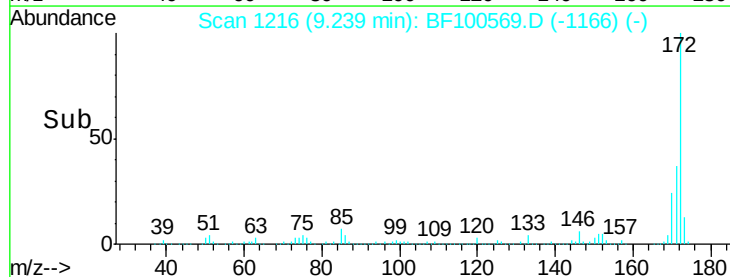
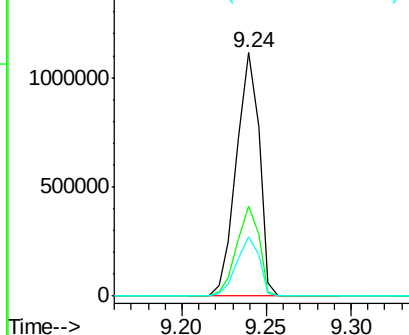


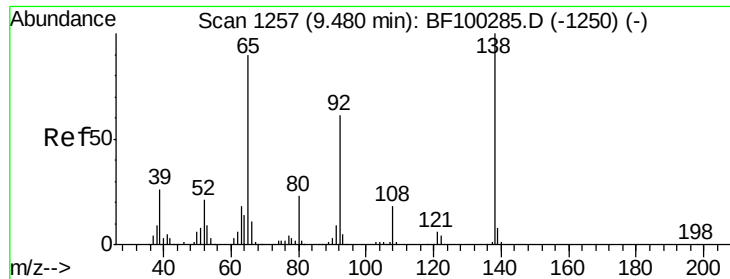
#44
 2-Fluorobiphenyl
 Concen: 108.10 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF100569.D
 Acq: 15 Nov 2017 5:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.3	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

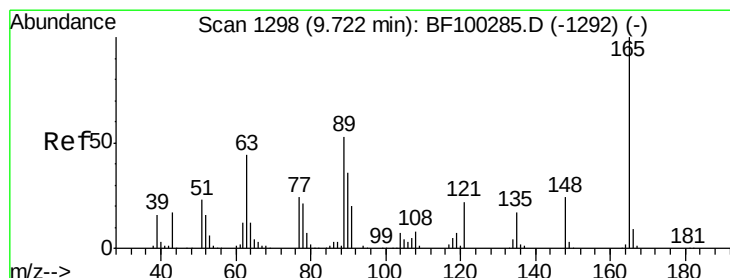
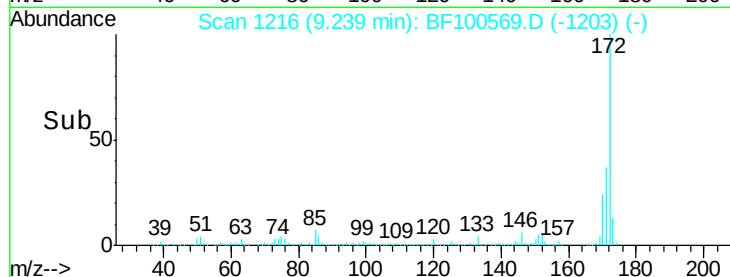
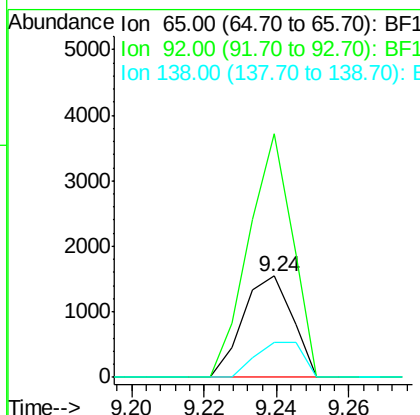
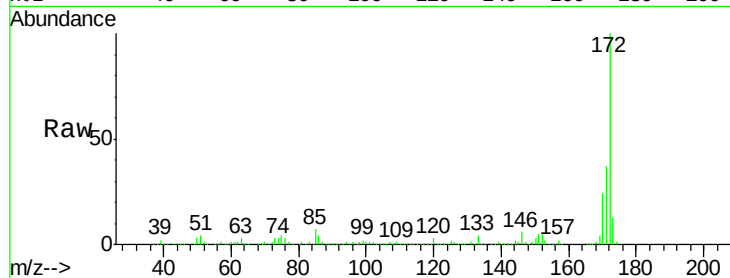




#47
 2-Nitroaniline
 Concen: 3.29 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.22 min
 Lab File: BF100569.D
 Acq: 15 Nov 2017 5:14

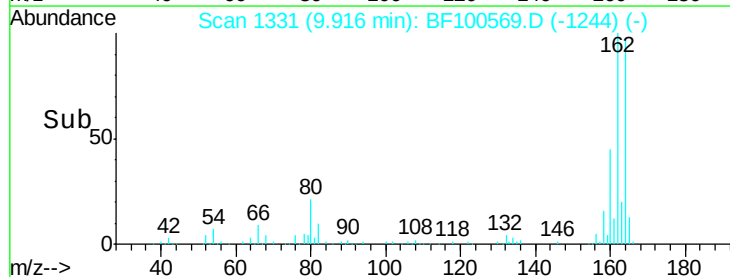
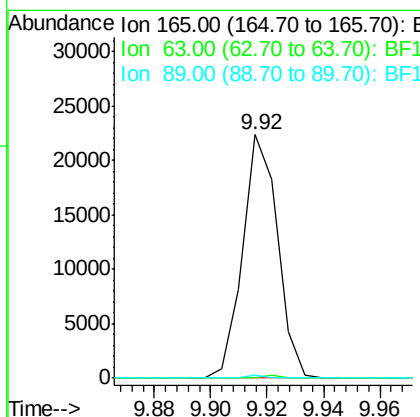
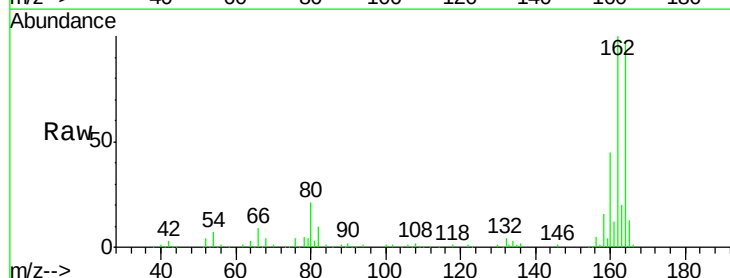
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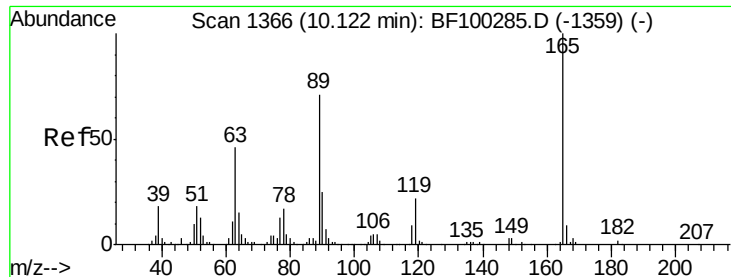
Tgt Ion: 65 Resp: 1465
 Ion Ratio Lower Upper
 65 100
 92 240.2 55.8 83.6#
 138 34.1 91.2 136.8#



#50
 2,6-Dinitrotoluene
 Concen: 8.57 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF100569.D
 Acq: 15 Nov 2017 5:14

Tgt Ion: 165 Resp: 19187
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 1.4 44.0 66.0#

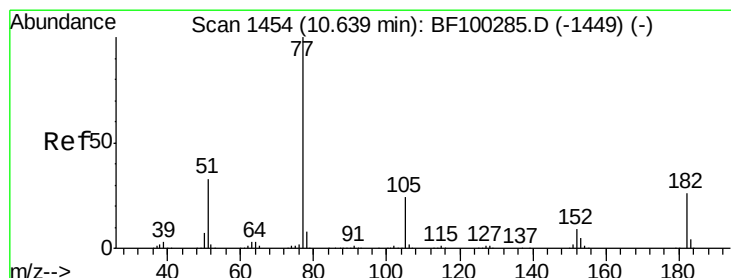
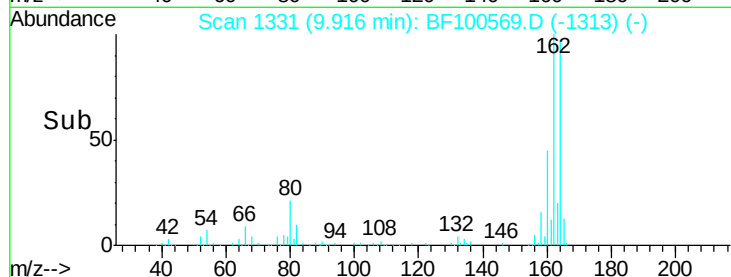
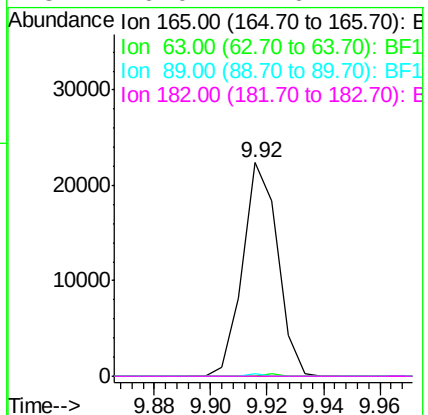
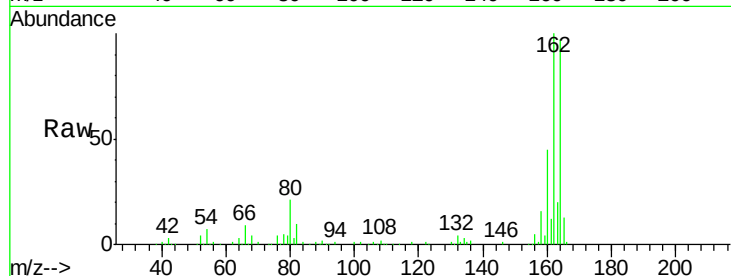




#56
 2,4-Dinitrotoluene
 Concen: 6.79 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF100569.D
 Acq: 15 Nov 2017 5:14

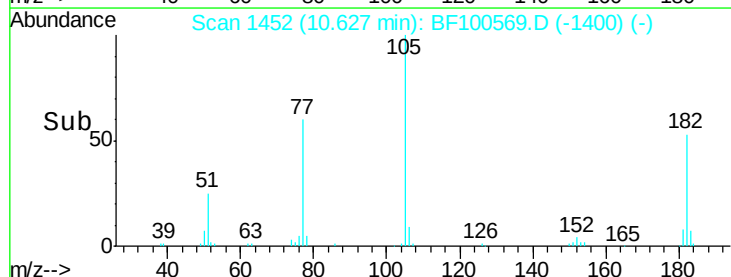
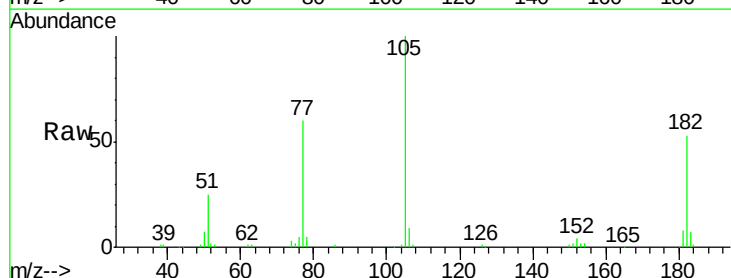
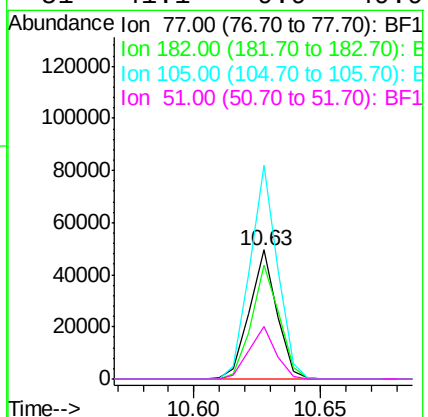
Instrument :
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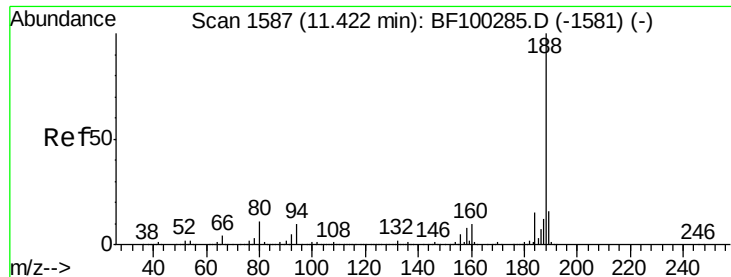
Tgt Ion:	165	Resp:	19187
Ion Ratio	Lower	Upper	
165	100		
63	0.0	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#62
 Azobenzene
 Concen: 3.50 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.01 min
 Lab File: BF100569.D
 Acq: 15 Nov 2017 5:14

Tgt Ion:	77	Resp:	37340
Ion Ratio	Lower	Upper	
77	100		
182	88.1	1.7	41.7#
105	165.7	3.0	43.0#
51	41.1	9.9	49.9

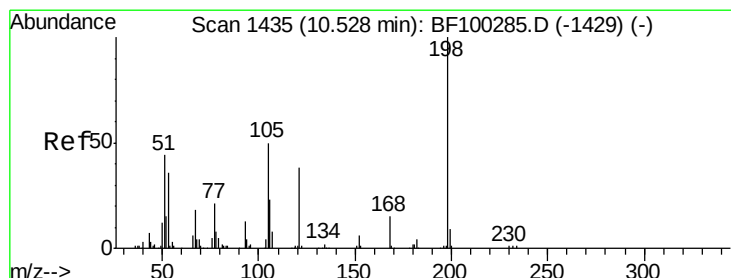
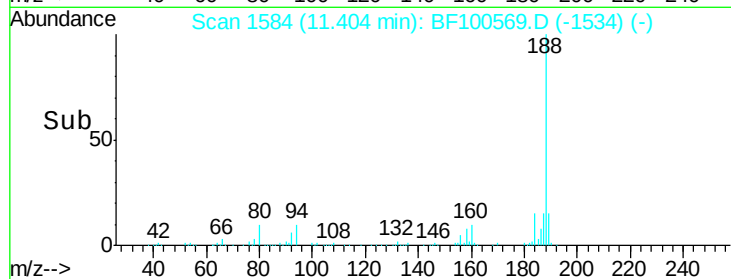
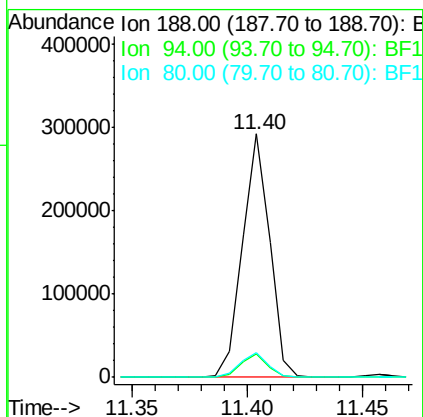
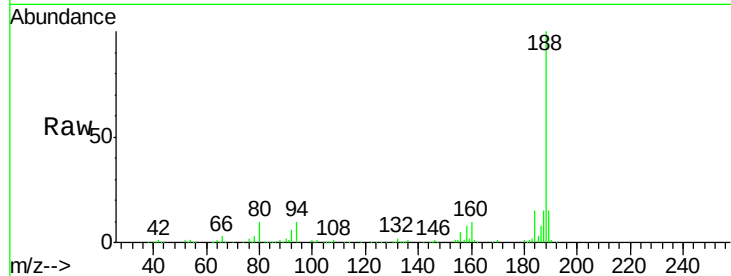




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF100569.D
Acq: 15 Nov 2017 5:14

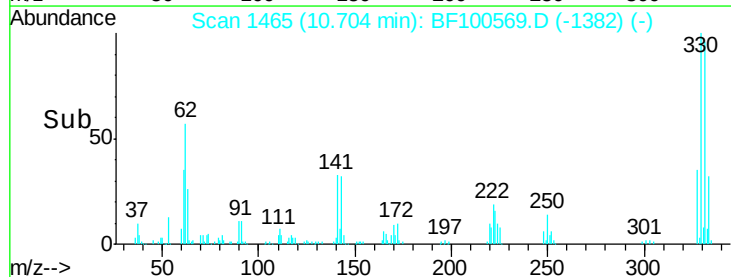
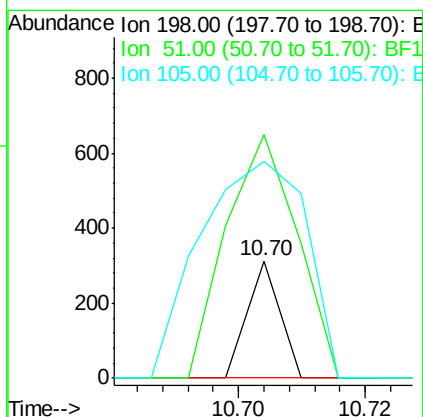
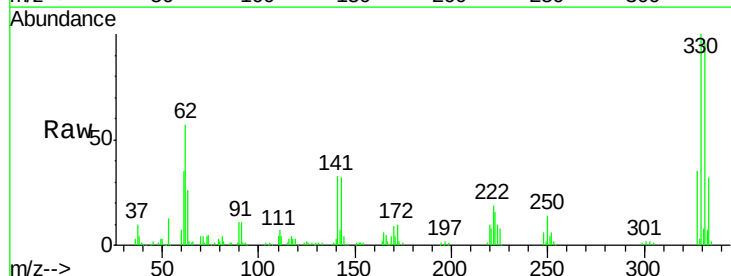
Instrument :
BNA_F
ClientSampleId :
110817-SIDI-F-U-B

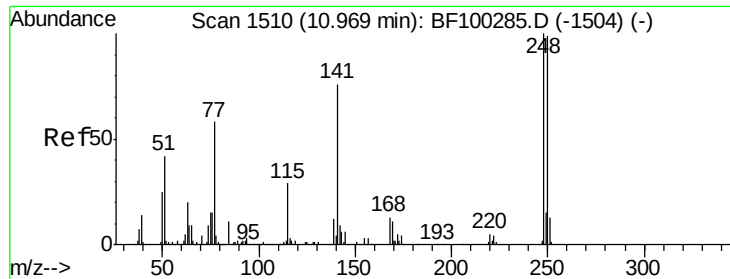
Tgt Ion:188 Resp: 240820
Ion Ratio Lower Upper
188 100
94 9.6 8.5 12.7
80 10.4 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.64 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.19 min
Lab File: BF100569.D
Acq: 15 Nov 2017 5:14

Tgt Ion:198 Resp: 110
Ion Ratio Lower Upper
198 100
51 208.0 37.7 77.7#
105 184.9 36.3 76.3#

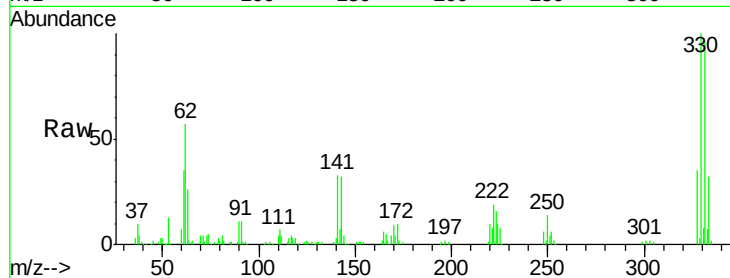




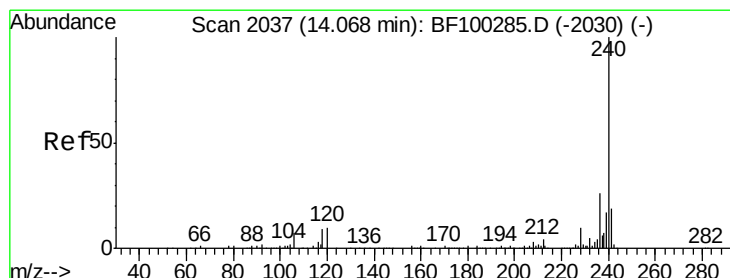
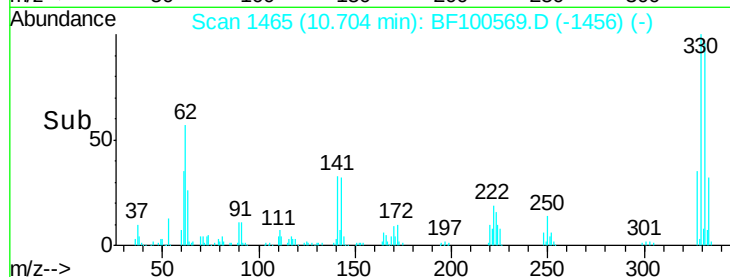
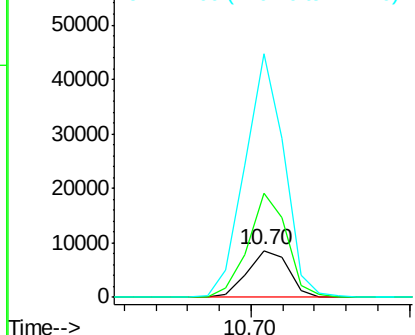
#66
 4-Bromophenyl-phenylether
 Concen: 2.99 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF100569.D
 Acq: 15 Nov 2017 5:14

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

Tgt Ion:248 Resp: 7720
 Ion Ratio Lower Upper
 248 100
 250 221.1 76.9 115.3#
 141 518.7 74.4 111.6#

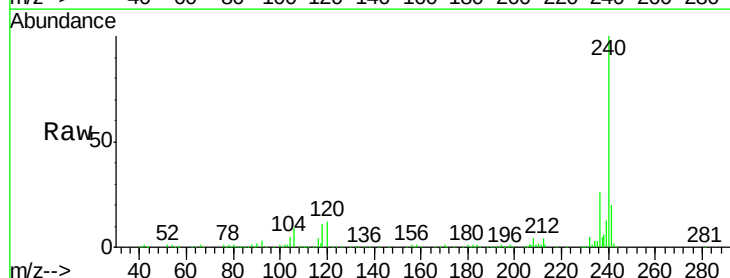


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

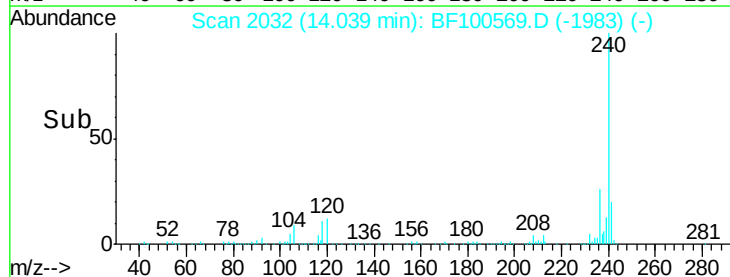
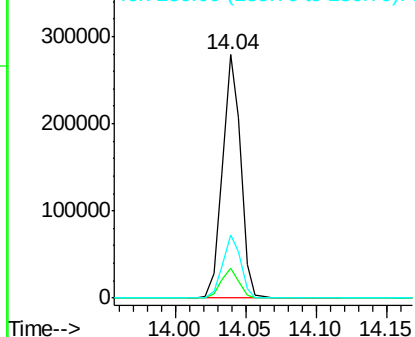


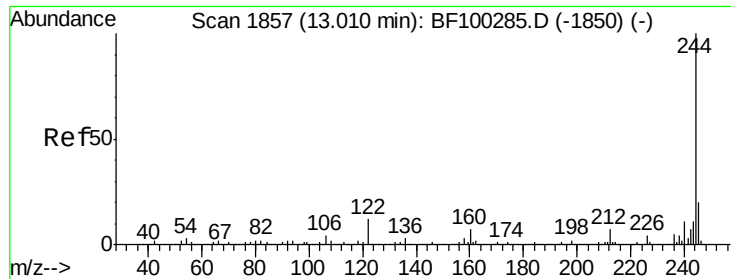
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF100569.D
 Acq: 15 Nov 2017 5:14

Tgt Ion:240 Resp: 249225
 Ion Ratio Lower Upper
 240 100
 120 12.2 9.5 14.3
 236 26.0 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: 74.94 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF100569.D

Acq: 15 Nov 2017 5:14

Instrument :

BNA_F

ClientSampleId :

110817-SIDI-F-U-B

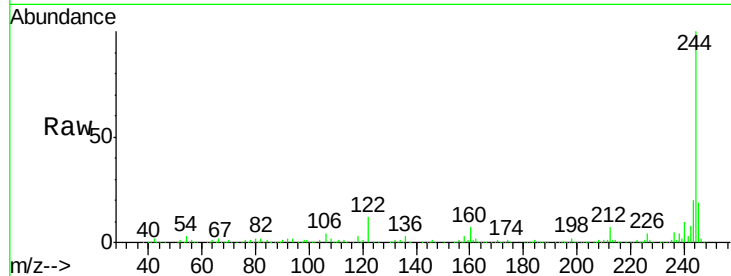
Tgt Ion:244 Resp: 812871

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

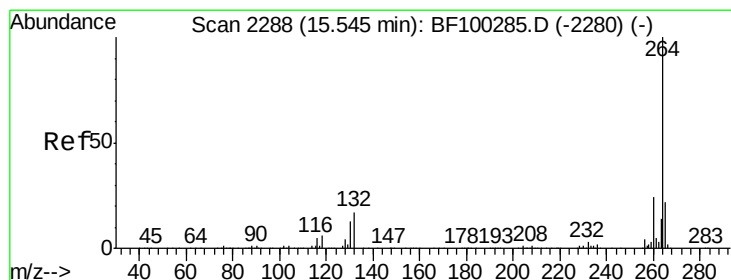
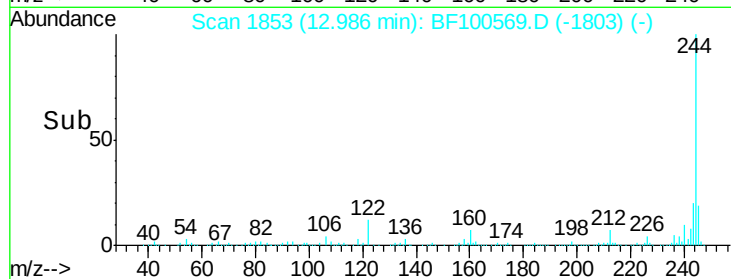
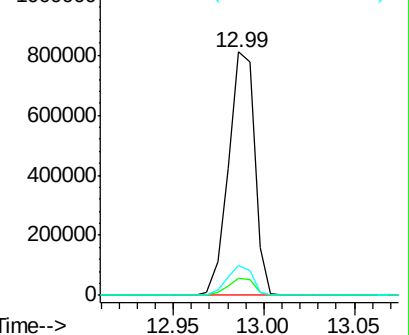
122 12.4 11.0 16.4



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: BF100569.D

Acq: 15 Nov 2017 5:14

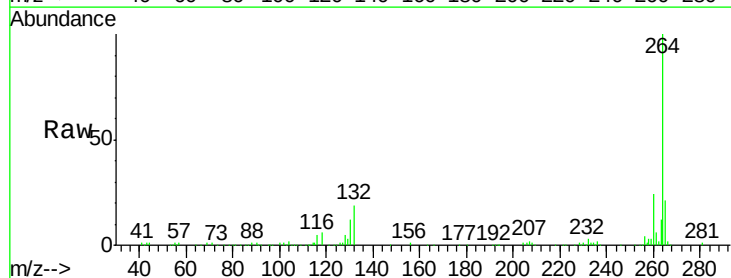
Tgt Ion:264 Resp: 166559

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 20.8 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

