

Data File : BF092987.D
Acq On : 16 Feb 2017 18:08
Operator : SJ/MA
Sample : PB96992TB
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB96992TB

Quant Time: Feb 16 23:52:20 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 13 18:04:38 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	134470	20.00	ng	-0.03
21) Naphthalene-d8	8.14	136	559930	20.00	ng	-0.02
38) Acenaphthene-d10	9.89	164	313229	20.00	ng	-0.03
63) Phenanthrene-d10	11.38	188	528194	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	475776	20.00	ng	-0.05
86) Perylene-d12	15.44	264	410639	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	921101	117.52	ng	-0.02
7) Phenol-d6	6.50	99	1316320	130.52	ng	-0.03
23) Nitrobenzene-d5	7.42	82	828570	82.40	ng	-0.03
41) 2,4,6-Tribromophenol	10.68	330	256749	113.33	ng	-0.03
44) 2-Fluorobiphenyl	9.22	172	1431721	82.81	ng	-0.02
78) Terphenyl-d14	12.97	244	1429020	70.57	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	107369	16.72	ng	# 78
50) 2,6-Dinitrotoluene	9.89	165	40519	8.89	ng	# 31
56) 2,4-Dinitrotoluene	9.89	165	40520	6.68	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.68	198	569	2.84	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	19580	3.55	ng	# 1

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.03 min

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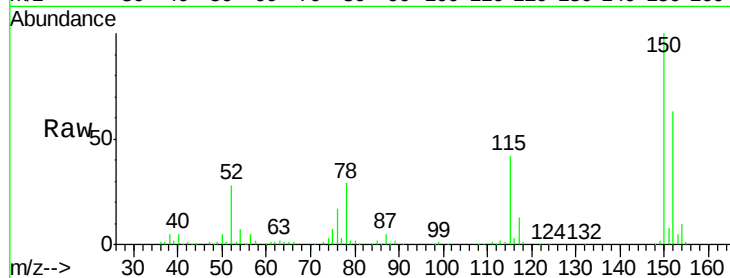
Tgt Ion:152 Resp: 134470

Ion Ratio Lower Upper

152 100

150 159.0 124.9 187.3

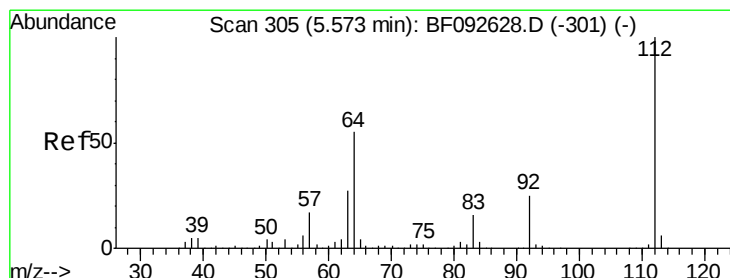
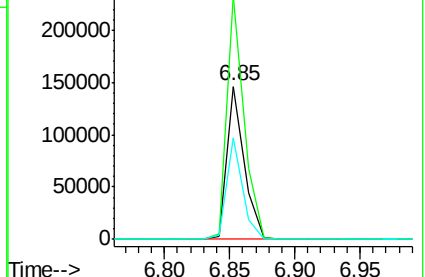
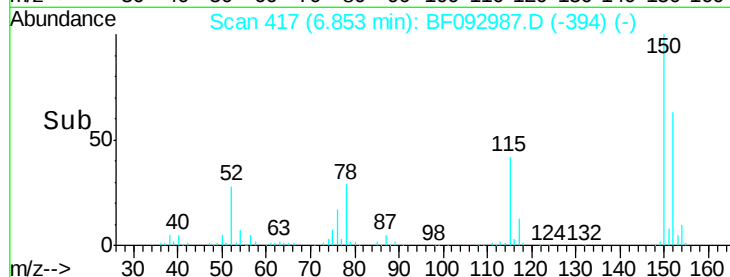
115 66.3 46.0 69.0



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: 117.52 ng

RT: 5.46 min Scan# 295

Delta R.T. -0.02 min

Lab File: BF092987.D

Acq: 16 Feb 2017 18:08

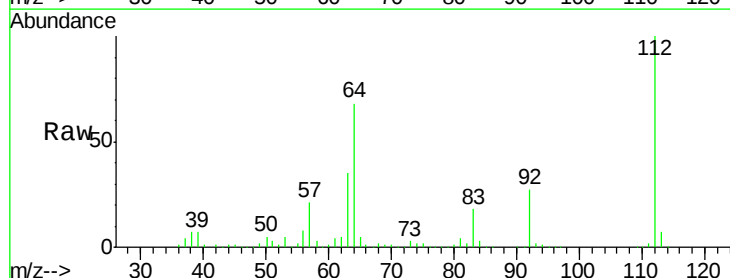
Tgt Ion:112 Resp: 921101

Ion Ratio Lower Upper

112 100

64 68.3 46.1 69.1

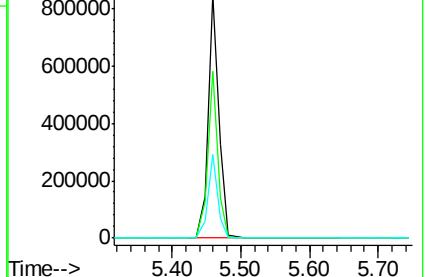
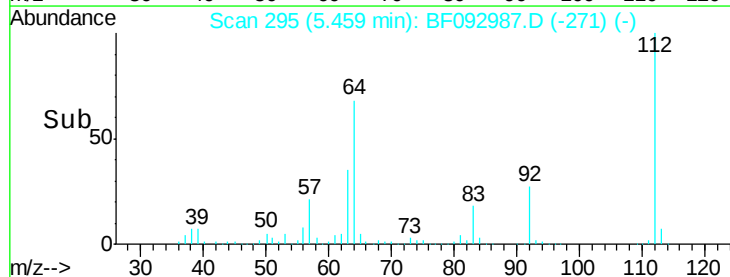
63 34.5 23.8 35.6



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 130.52 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.03 min

Lab File: BF092987.D

Acq: 16 Feb 2017 18:08

Instrument :

BNA_F

ClientSampleId :

PB96992TB

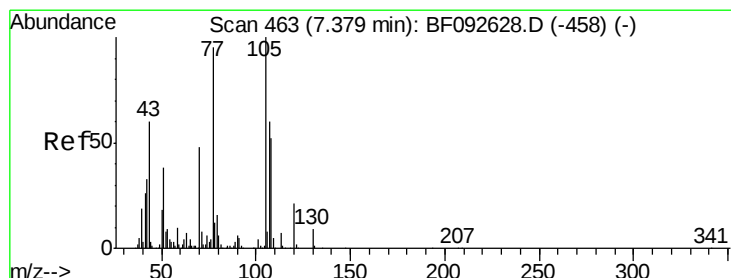
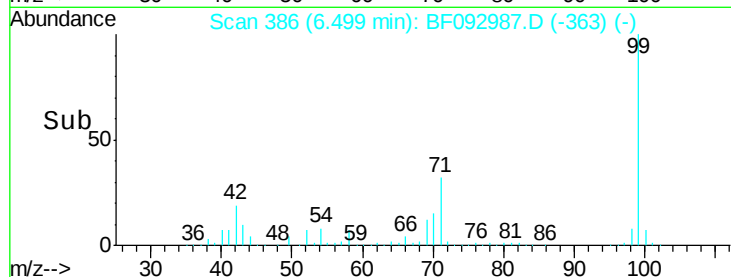
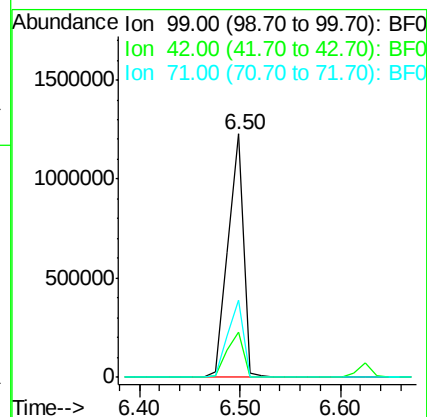
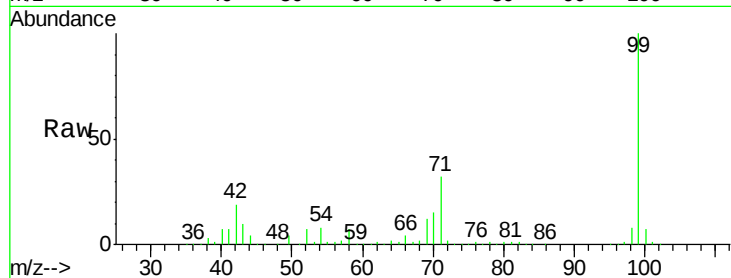
Tgt Ion: 99 Resp: 1316320

Ion Ratio Lower Upper

99 100

42 18.7 15.6 23.4

71 31.9 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.72 ng

RT: 7.42 min Scan# 467

Delta R.T. 0.11 min

Lab File: BF092987.D

Acq: 16 Feb 2017 18:08

Tgt Ion: 70 Resp: 107369

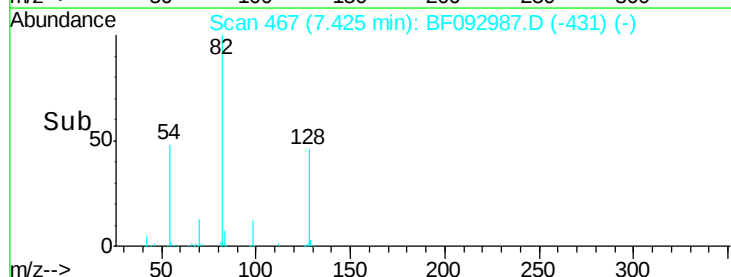
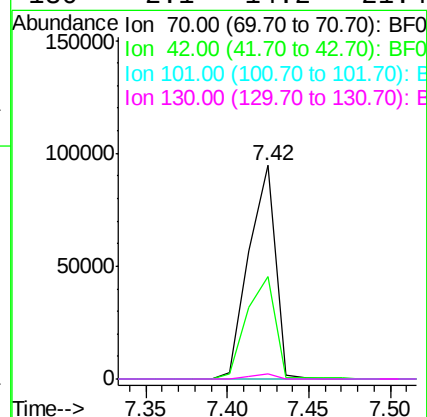
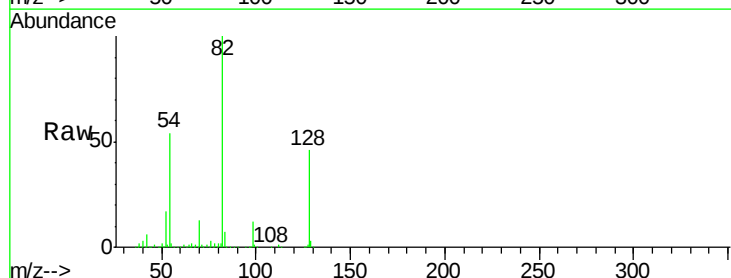
Ion Ratio Lower Upper

70 100

42 47.9 49.4 74.0#

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

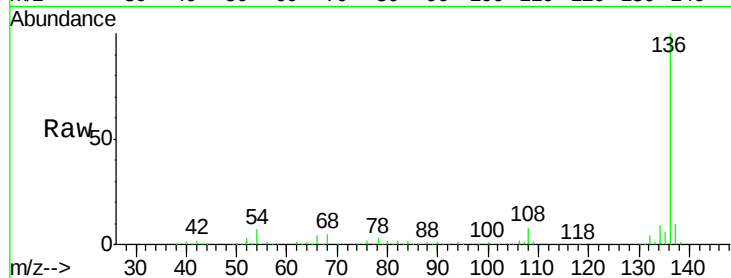




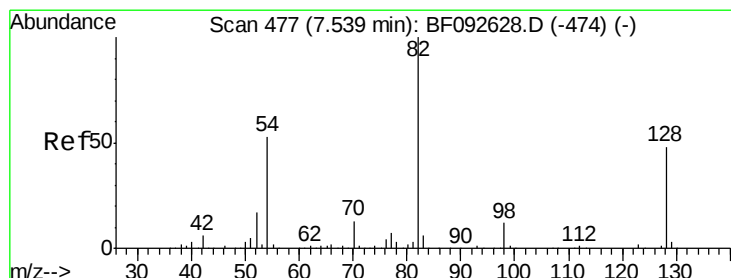
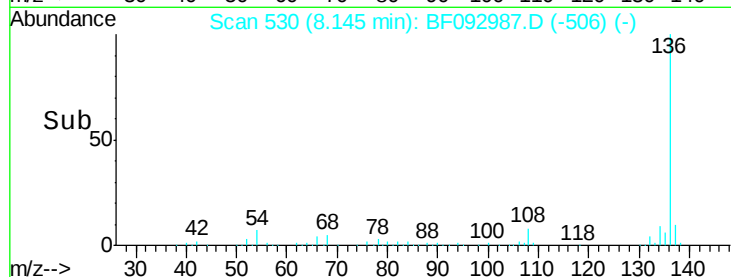
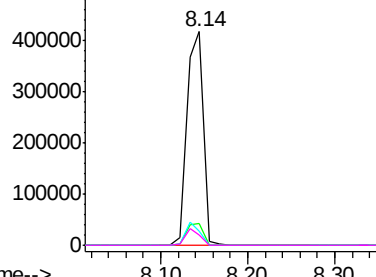
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.02 min
Lab File: BF092987.D
Acq: 16 Feb 2017 18:08

Instrument :
BNA_F
ClientSampleId :
PB96992TB

Tgt Ion:	136	Resp:	559930
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.4	12.6
54	6.7	4.5	6.7
68	4.7	3.6	5.4

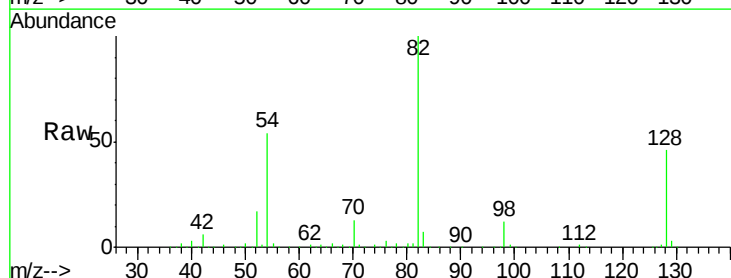


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

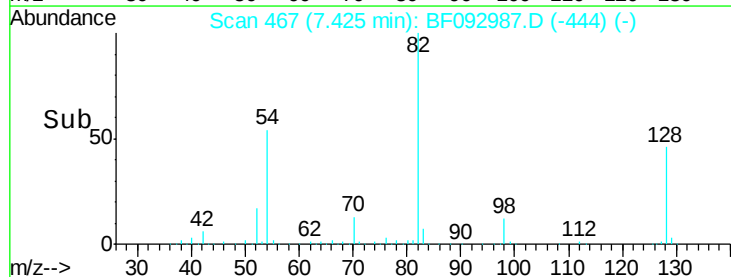
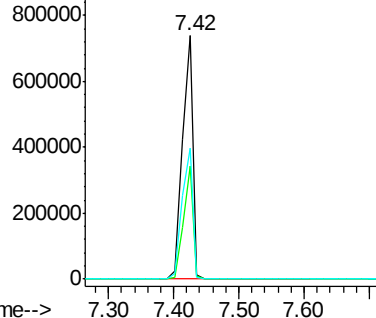


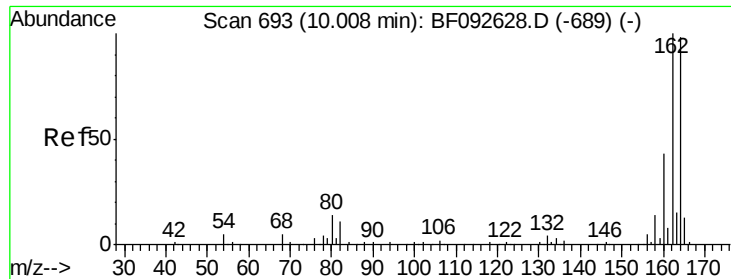
#23
Nitrobenzene-d5
Concen: 82.40 ng
RT: 7.42 min Scan# 467
Delta R.T. -0.03 min
Lab File: BF092987.D
Acq: 16 Feb 2017 18:08

Tgt Ion:	82	Resp:	828570
Ion	Ratio	Lower	Upper
82	100		
128	46.3	34.6	52.0
54	53.7	39.5	59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.03 min

Lab File: BF092987.D

Acq: 16 Feb 2017 18:08

Instrument :

BNA_F

ClientSampleId :

PB96992TB

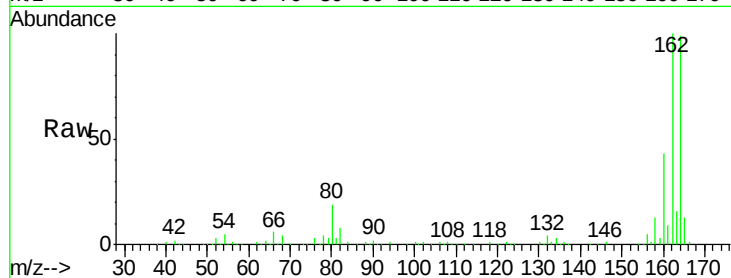
Tgt Ion:164 Resp: 313229

Ion Ratio Lower Upper

164 100

162 101.1 80.2 120.2

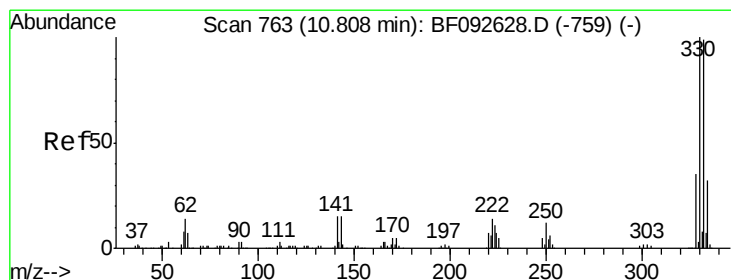
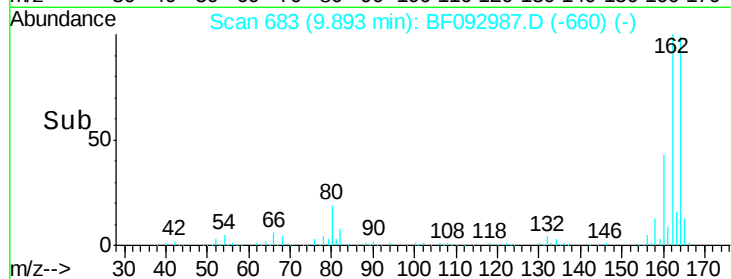
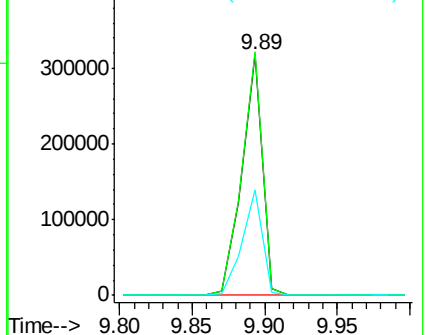
160 43.9 36.9 55.3



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: 113.33 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.03 min

Lab File: BF092987.D

Acq: 16 Feb 2017 18:08

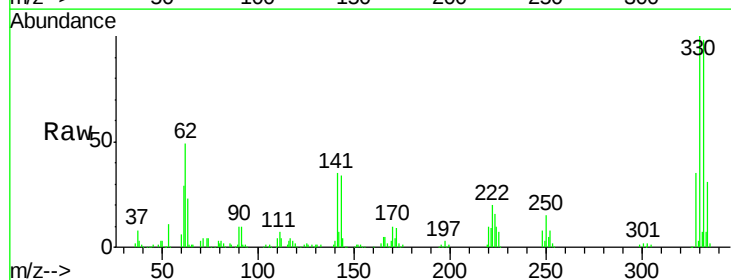
Tgt Ion:330 Resp: 256749

Ion Ratio Lower Upper

330 100

332 97.6 77.4 116.2

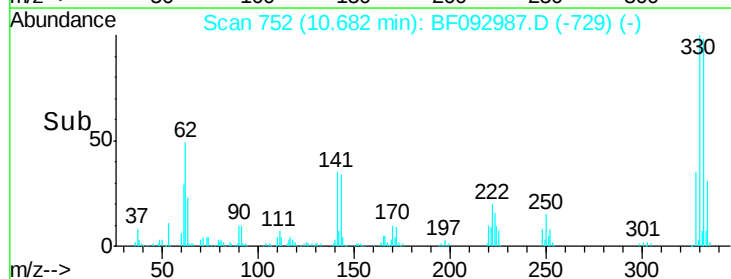
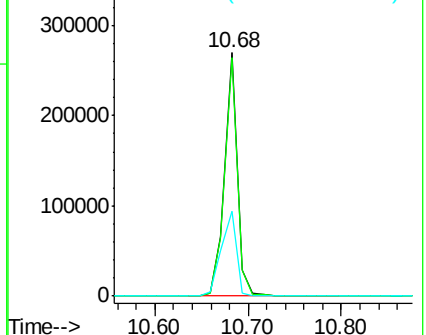
141 41.1 34.1 51.1

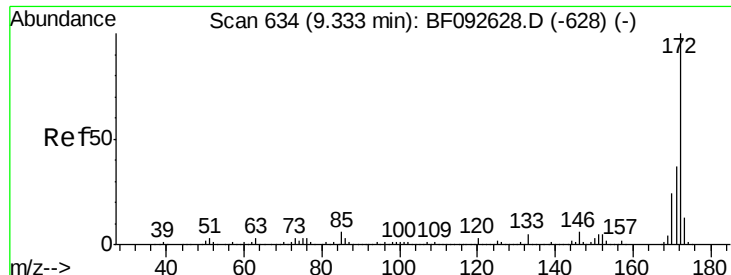


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

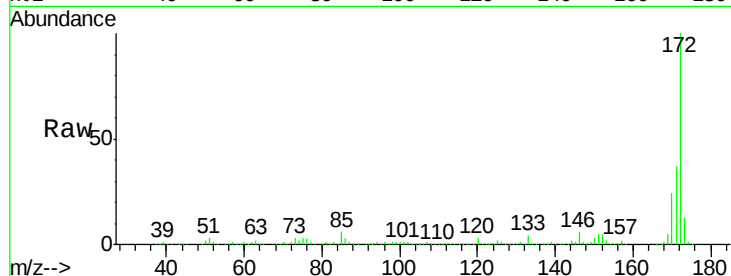




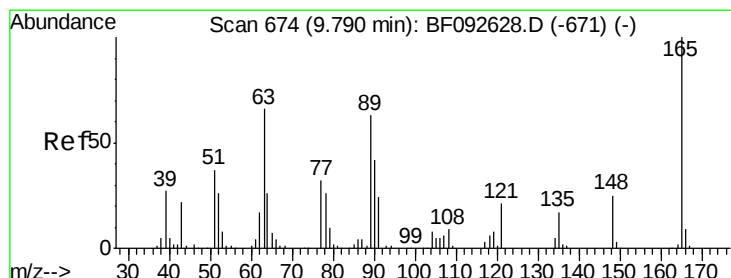
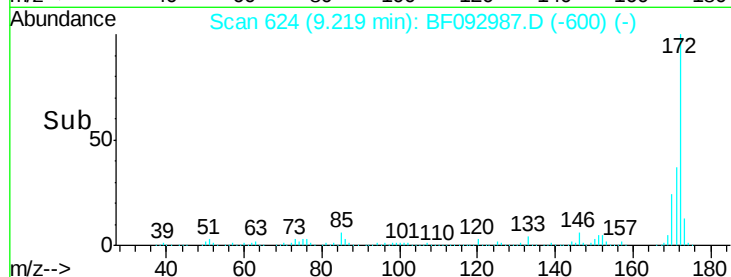
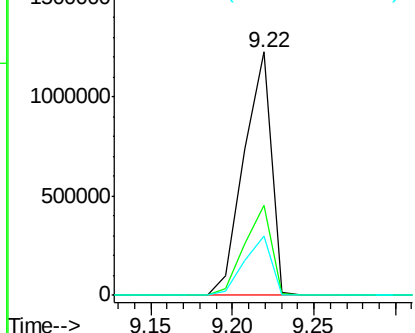
#44
 2-Fluorobiphenyl
 Concen: 82.81 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.02 min
 Lab File: BF092987.D
 Acq: 16 Feb 2017 18:08

Instrument :
 BNA_F
 ClientSampleId :
 PB96992TB

Tgt Ion:172 Resp: 1431721
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.4 44.0
 170 24.1 20.2 30.4

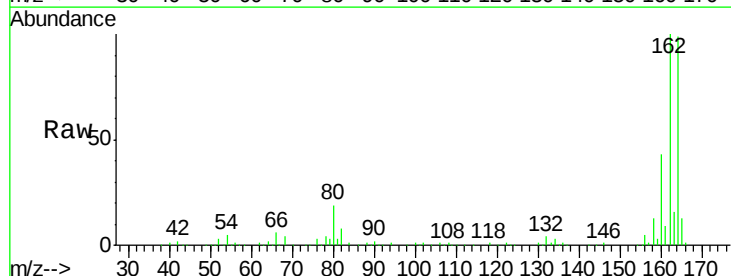


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

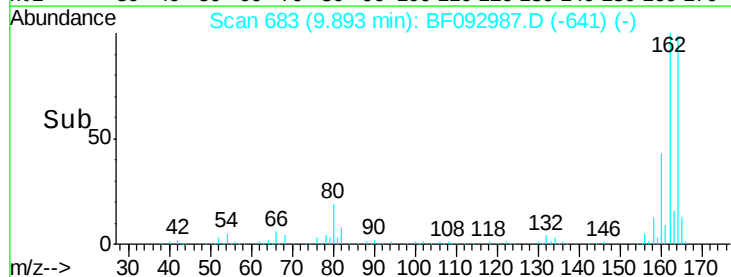
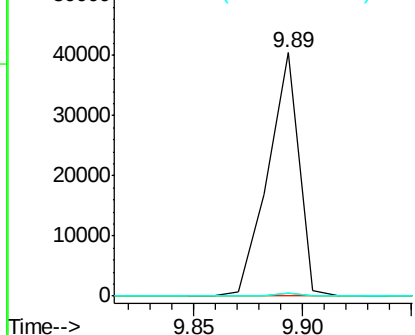


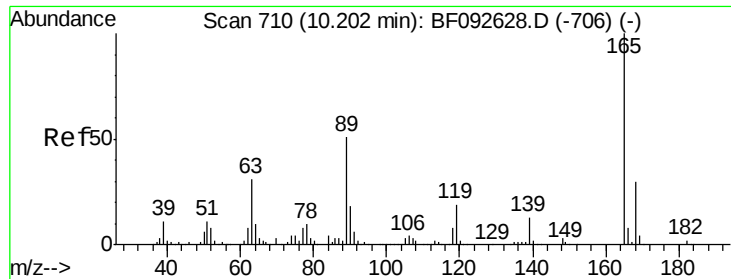
#50
 2,6-Dinitrotoluene
 Concen: 8.89 ng
 RT: 9.89 min Scan# 683
 Delta R.T. 0.18 min
 Lab File: BF092987.D
 Acq: 16 Feb 2017 18:08

Tgt Ion:165 Resp: 40519
 Ion Ratio Lower Upper
 165 100
 63 1.1 36.2 54.4#
 89 1.1 40.2 60.4#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

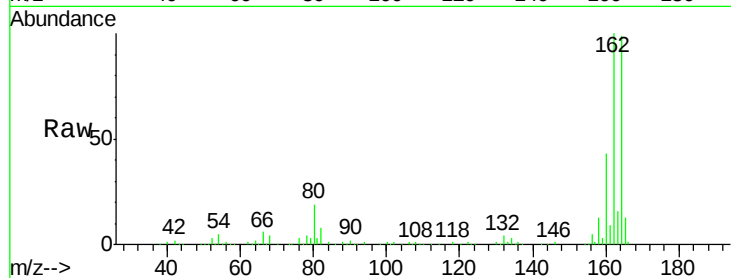




#56
 2,4-Dinitrotoluene
 Concen: 6.68 ng
 RT: 9.89 min Scan# 683
 Delta R.T. -0.23 min
 Lab File: BF092987.D
 Acq: 16 Feb 2017 18:08

Instrument :
 BNA_F
 ClientSampleId :
 PB96992TB

Tgt Ion:	165	Resp:	40520
Ion Ratio	Lower	Upper	
165	100		
63	1.1	40.2	60.4#
89	1.1	62.5	93.7#
182	0.0	1.8	2.8#

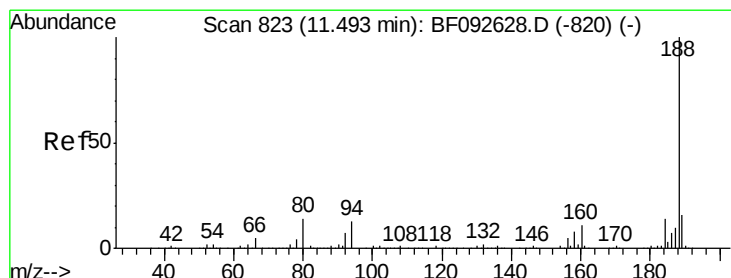
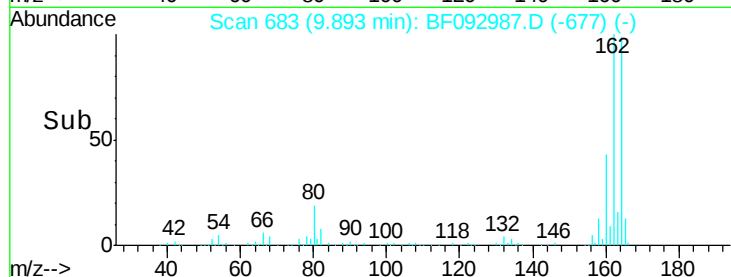
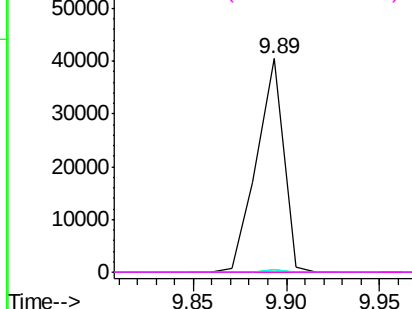


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

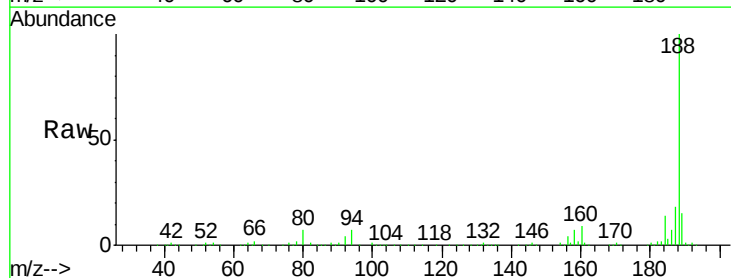
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 813
 Delta R.T. -0.02 min
 Lab File: BF092987.D
 Acq: 16 Feb 2017 18:08

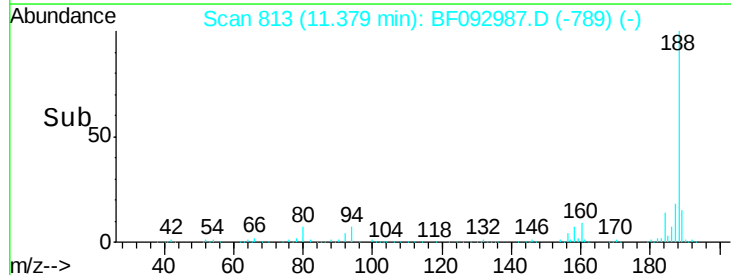
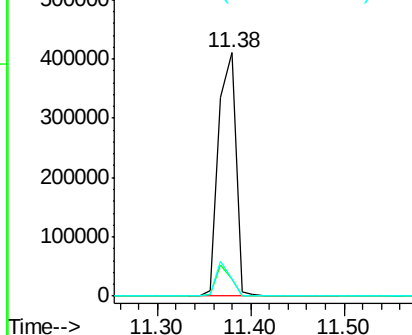
Tgt Ion:	188	Resp:	528194
Ion Ratio	Lower	Upper	
188	100		
94	7.0	10.0	15.0#
80	7.0	11.2	16.8#

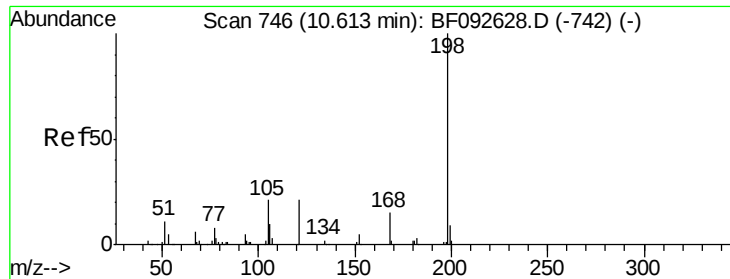


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.84 ng

RT: 10.68 min Scan# 752

Delta R.T. 0.15 min

Lab File: BF092987.D

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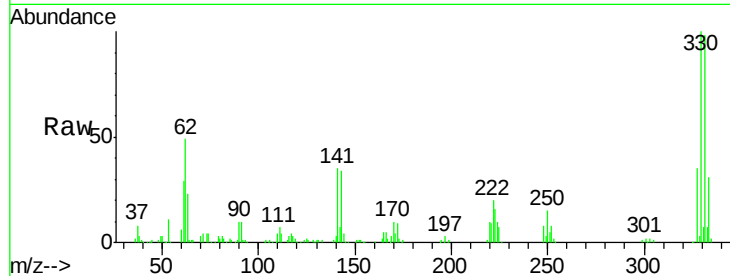
Tgt Ion:198 Resp: 569

Ion Ratio Lower Upper

198 100

51 153.5 6.7 46.7#

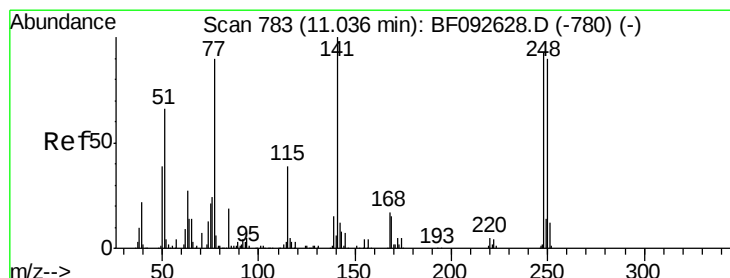
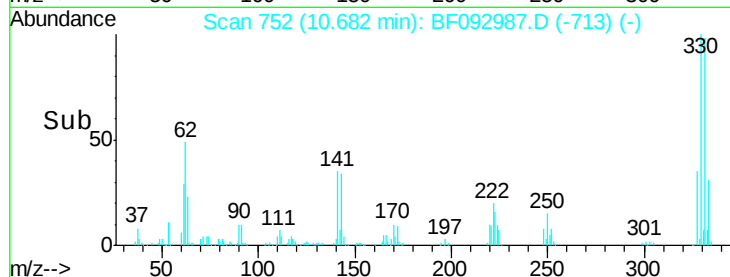
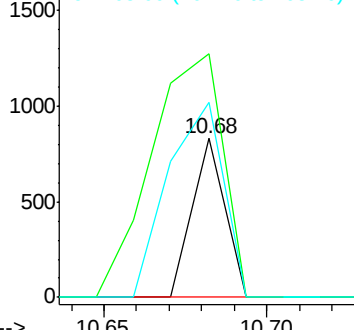
105 123.3 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.55 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.27 min

Lab File: BF092987.D

Acq: 16 Feb 2017 18:08

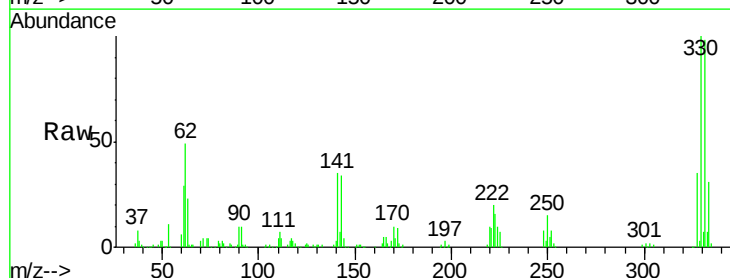
Tgt Ion:248 Resp: 19580

Ion Ratio Lower Upper

248 100

250 204.0 76.9 115.3#

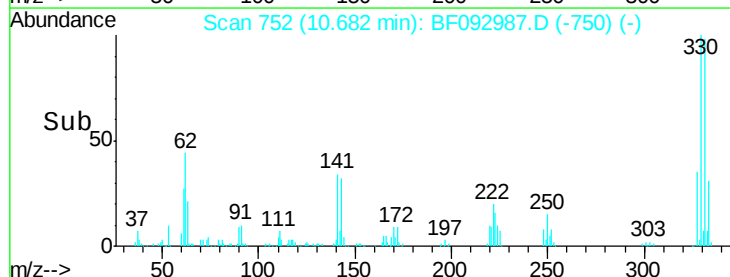
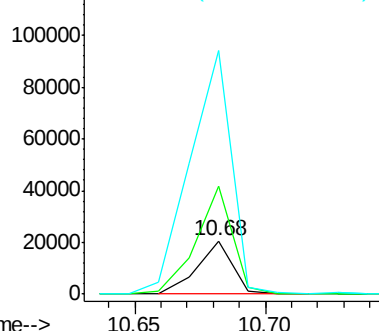
141 459.1 68.2 102.4#

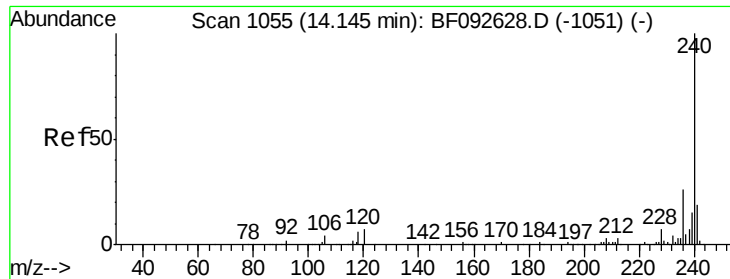


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

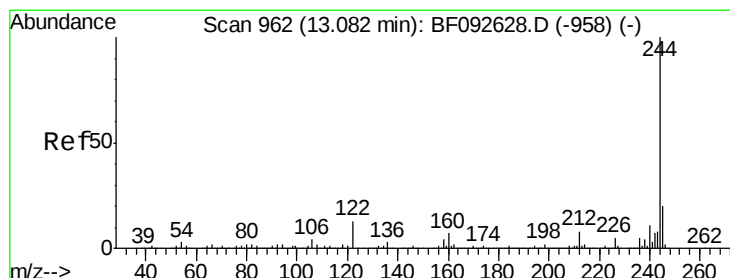
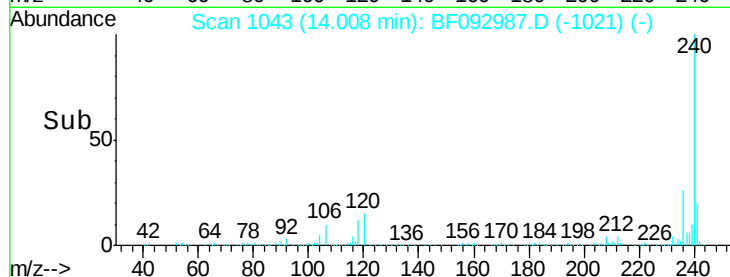
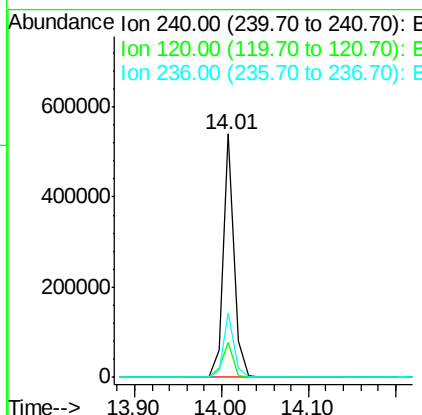
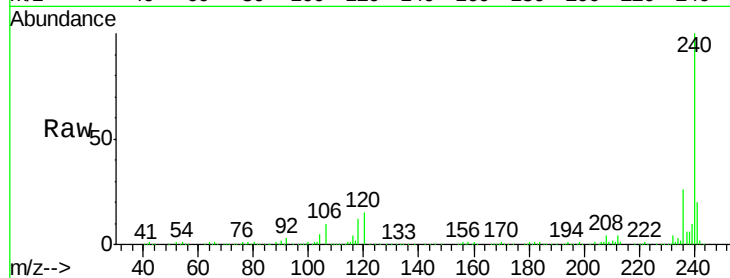




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. -0.05 min
 Lab File: BF092987.D
 Acq: 16 Feb 2017 18:08

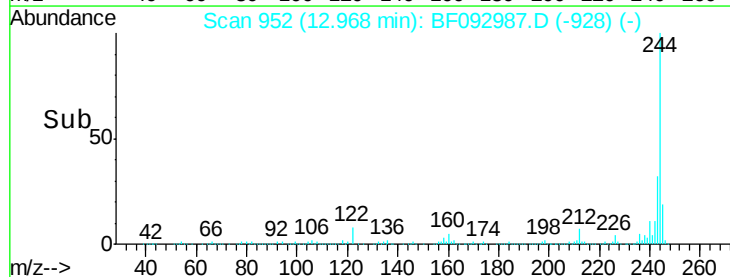
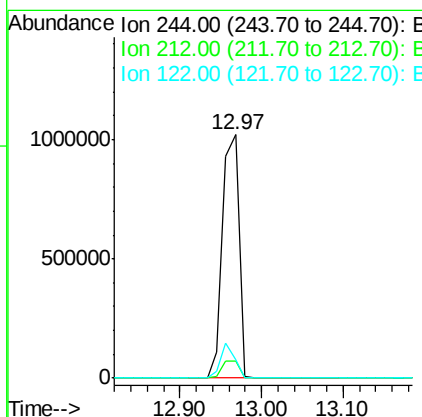
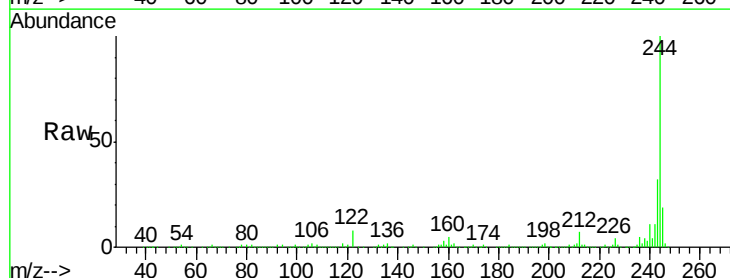
Instrument :
 BNA_F
 ClientSampleId :
 PB96992TB

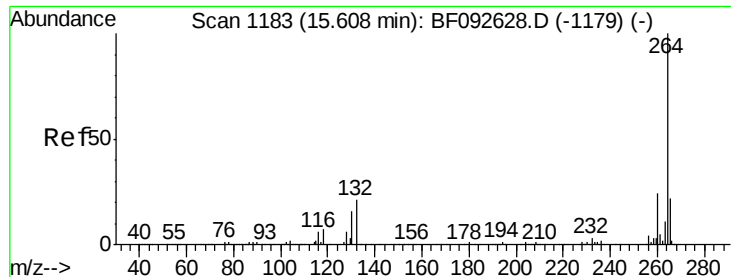
Tgt Ion:240 Resp: 475776
 Ion Ratio Lower Upper
 240 100
 120 14.6 12.9 19.3
 236 26.4 20.9 31.3



#78
 Terphenyl-d14
 Concen: 70.57 ng
 RT: 12.97 min Scan# 952
 Delta R.T. -0.02 min
 Lab File: BF092987.D
 Acq: 16 Feb 2017 18:08

Tgt Ion:244 Resp: 1429020
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.2 9.2
 122 7.6 11.4 17.2#

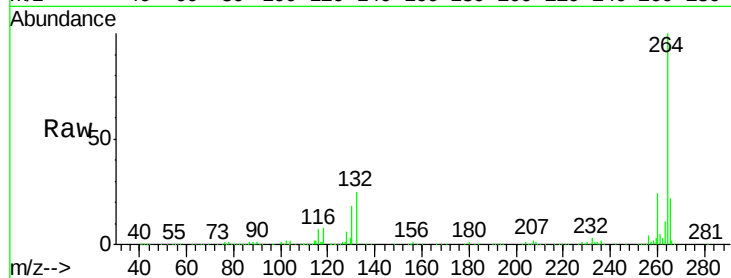




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.05 min
Lab File: BF092987.D
Acq: 16 Feb 2017 18:08

Instrument :
BNA_F
ClientSampleId :
PB96992TB

Tgt Ion: 264 Resp: 410639
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 22.3 17.4 26.0



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

