

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011817\
 Data File : BF092354.D
 Acq On : 18 Jan 2017 16:39
 Operator : UM/SJ
 Sample : PB96092TB
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB96092TB

Quant Time: Jan 19 00:02:05 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

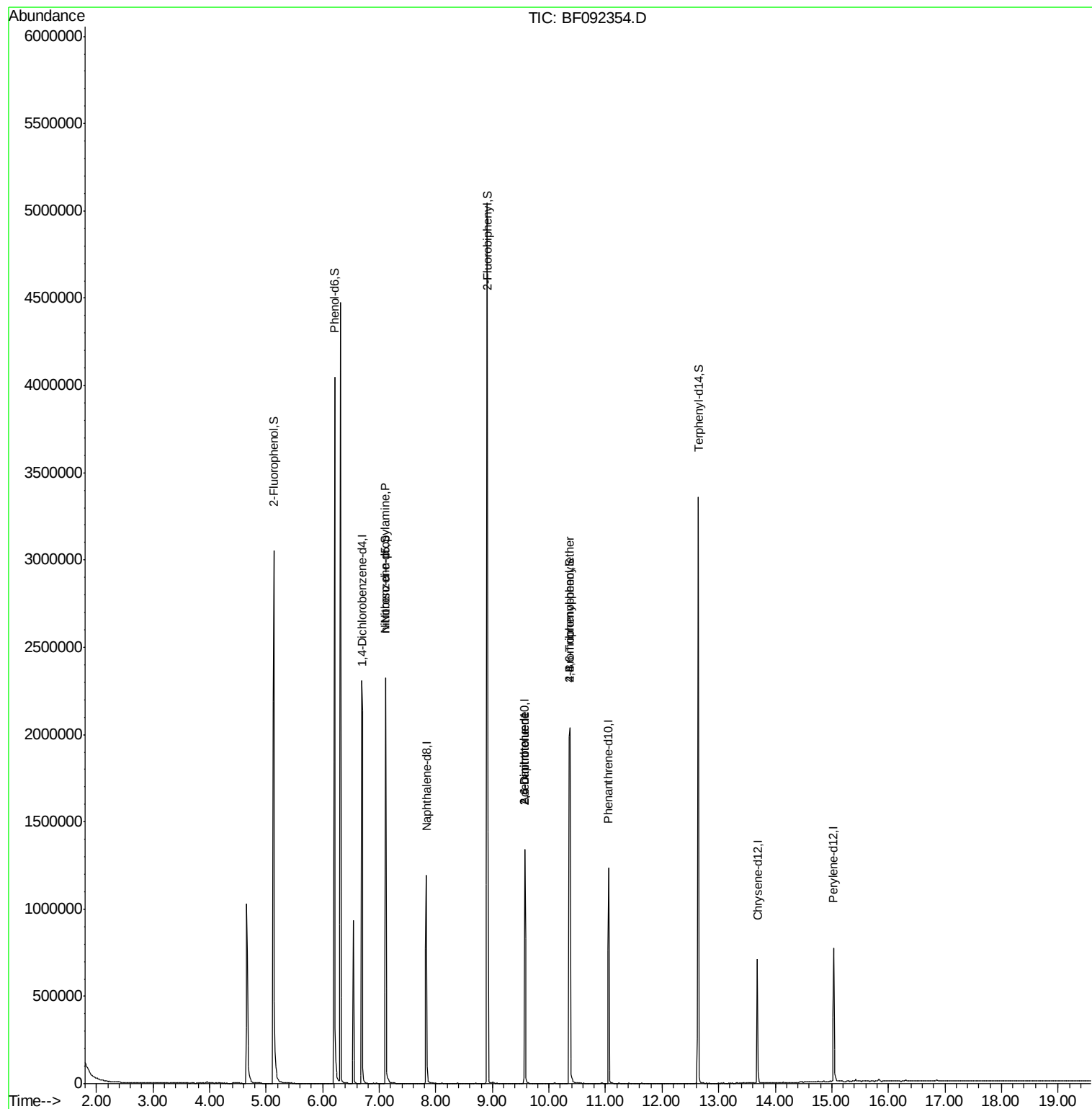
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	536023	20.00	ng	0.06
21) Naphthalene-d8	7.83	136	751764	20.00	ng	-0.10
38) Acenaphthene-d10	9.57	164	371978	20.00	ng	-0.11
63) Phenanthrene-d10	11.06	188	584119	20.00	ng	-0.10
75) Chrysene-d12	13.69	240	381232	20.00	ng	-0.10
86) Perylene-d12	15.03	264	358755	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	1250010	38.94	ng	-0.10
7) Phenol-d6	6.21	99	1591743	40.61	ng	-0.10
23) Nitrobenzene-d5	7.11	82	866373	64.08	ng	-0.10
41) 2,4,6-Tribromophenol	10.37	330	414251	134.57	ng	-0.10
44) 2-Fluorobiphenyl	8.91	172	1815998	102.72	ng	-0.10
78) Terphenyl-d14	12.65	244	1651922	105.09	ng	-0.10
Target Compounds						
9) Benzaldehyde	6.21	77	2093	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.11	70	113411	4.35 ng	#	77
50) 2,6-Dinitrotoluene	9.57	165	48805	9.37 ng	#	30
56) 2,4-Dinitrotoluene	9.57	165	48797	7.47 ng	#	19
66) 4-Bromophenyl-phenylether	10.37	248	24005	3.95 ng	#	1
73) Di-n-butylphthalate	11.63	149	859	Below Cal	#	76
76) Benzidine	12.63	184	20313	Below Cal		96

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 430

Delta R.T. 0.06 min

Lab File: BF092354.D

Acq: 18 Jan 2017 16:39

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BNA_F

ClientSampleId :

PB96092TB

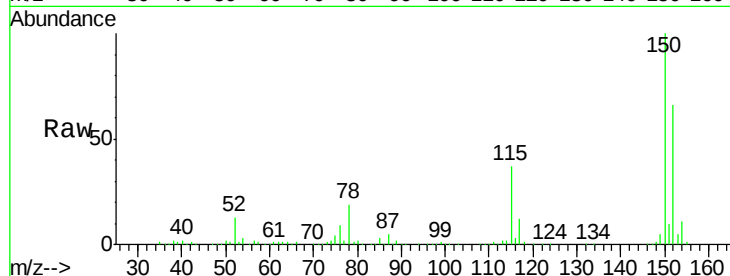
Tgt Ion:152 Resp: 536023

Ion Ratio Lower Upper

152 100

150 152.5 124.9 187.3

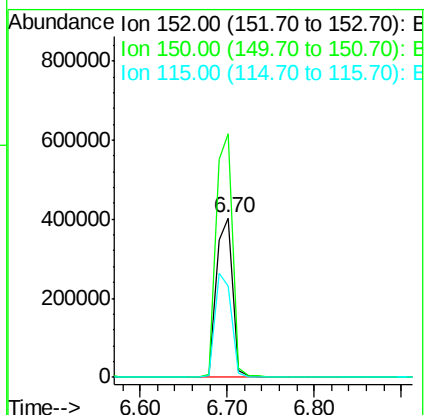
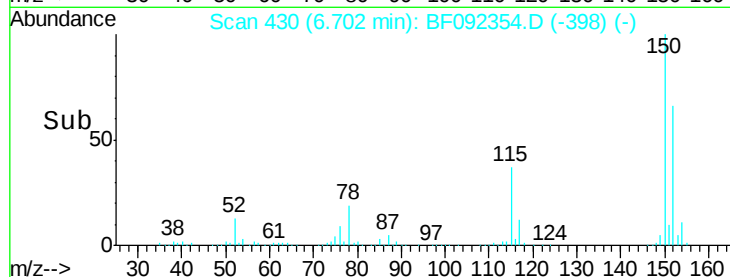
115 57.0 46.0 69.0



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: 38.94 ng

RT: 5.14 min Scan# 293

Delta R.T. -0.10 min

Lab File: BF092354.D

Acq: 18 Jan 2017 16:39

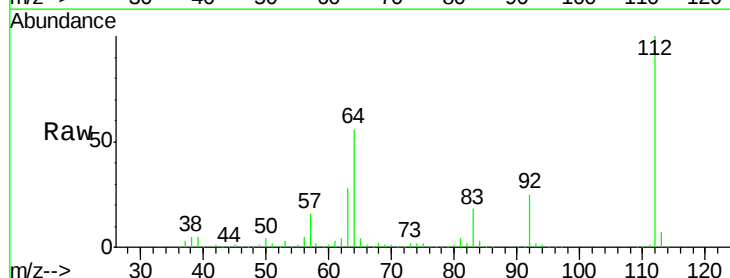
Tgt Ion:112 Resp: 1250010

Ion Ratio Lower Upper

112 100

64 55.6 46.1 69.1

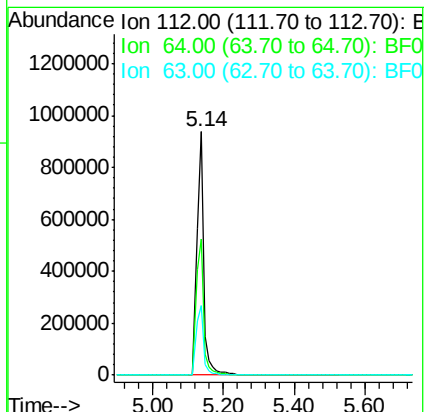
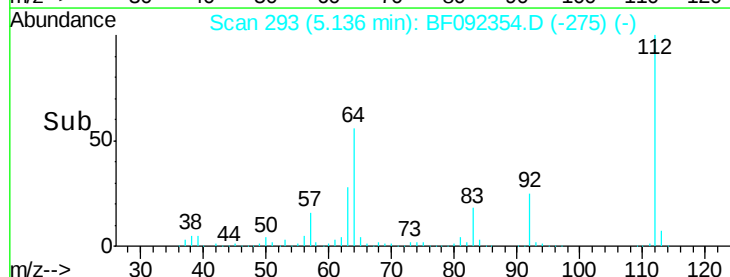
63 28.3 23.8 35.6



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: 40.61 ng

RT: 6.21 min Scan# 387

Delta R.T. -0.10 min

Lab File: BF092354.D

Acq: 18 Jan 2017 16:39

Instrument :

BNA_F

ClientSampleId :

PB96092TB

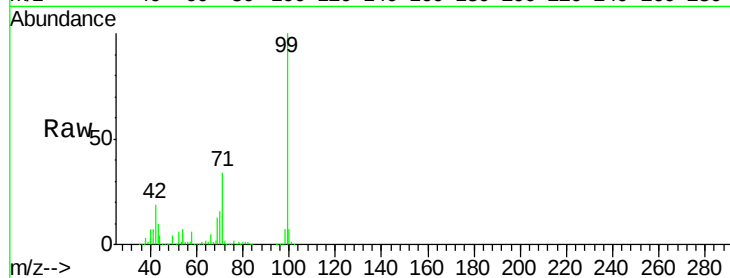
Tgt Ion: 99 Resp: 1591743

Ion Ratio Lower Upper

99 100

42 18.6 15.6 23.4

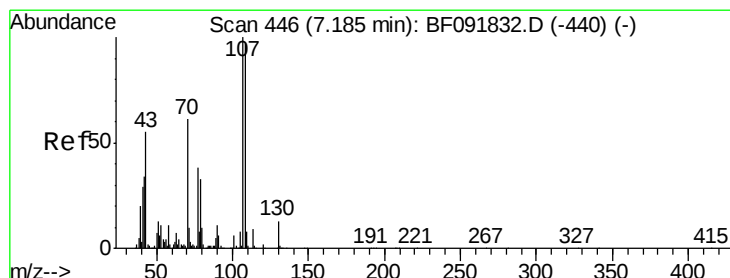
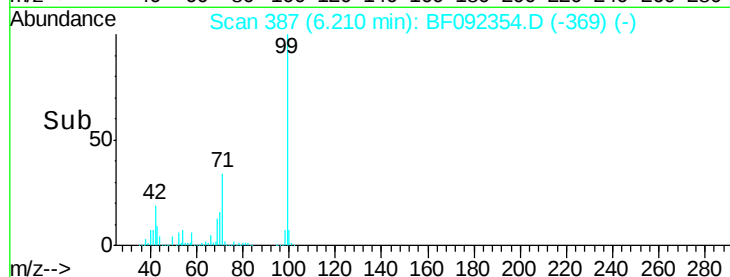
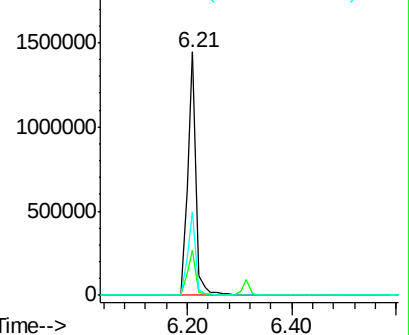
71 34.1 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 4.35 ng

RT: 7.11 min Scan# 466

Delta R.T. 0.04 min

Lab File: BF092354.D

Acq: 18 Jan 2017 16:39

Tgt Ion: 70 Resp: 113411

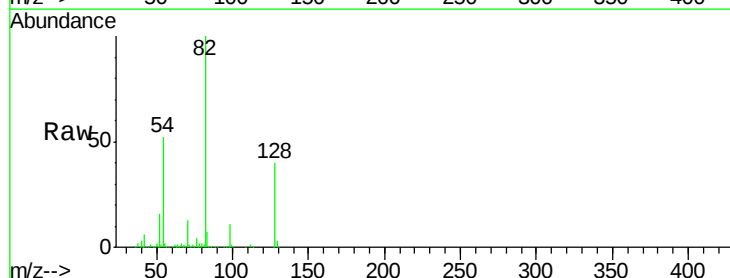
Ion Ratio Lower Upper

70 100

42 47.5 49.4 74.0#

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

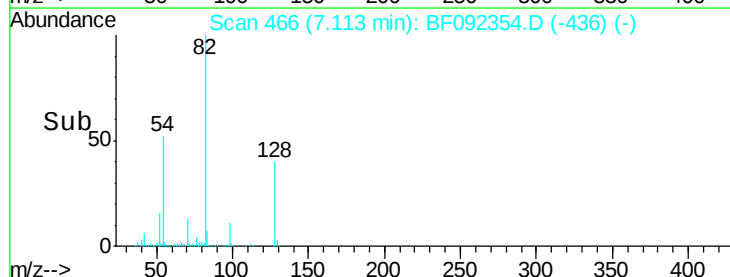
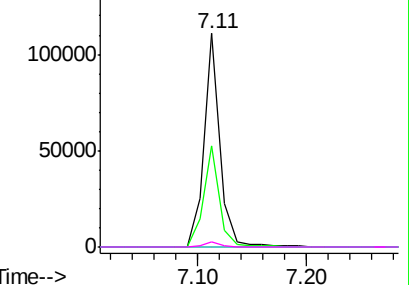


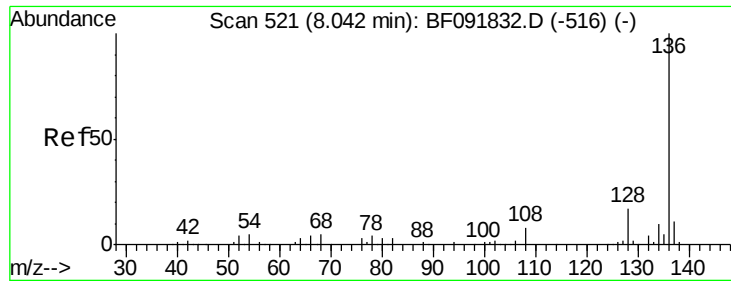
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

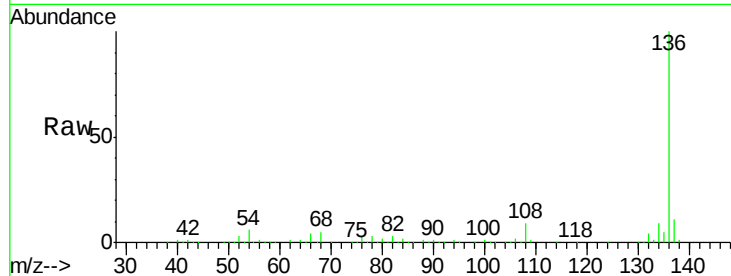




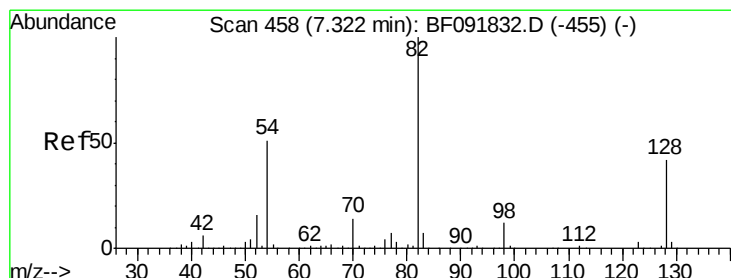
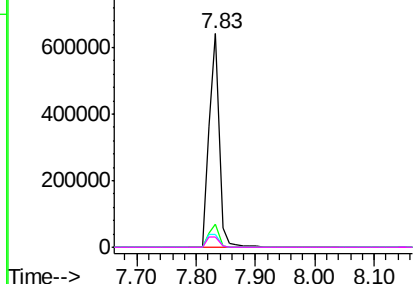
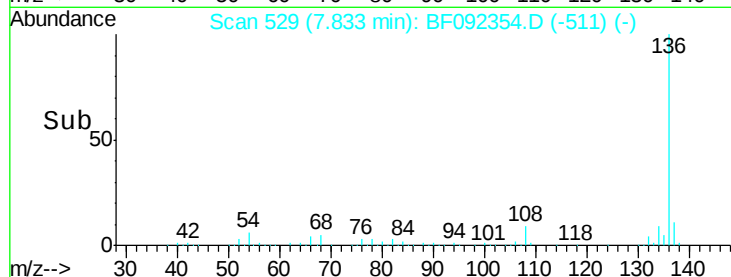
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.83 min Scan# 529
Delta R.T. -0.10 min
Lab File: BF092354.D
Acq: 18 Jan 2017 16:39

Instrument :
BNA_F
ClientSampleId :
PB96092TB

Tgt Ion:	136	Resp:	751764
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	5.8	4.5	6.7
68	5.0	3.6	5.4

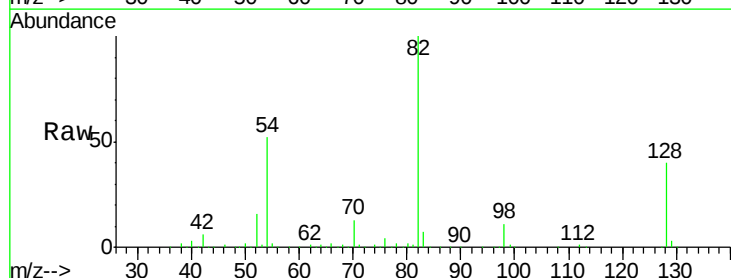


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

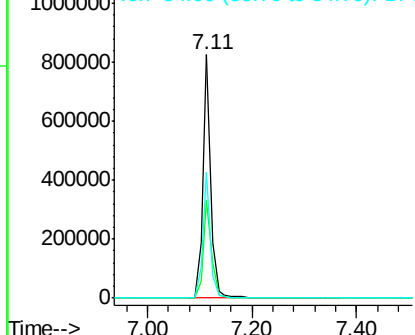
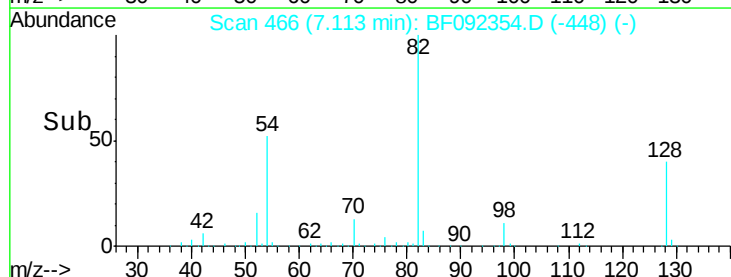


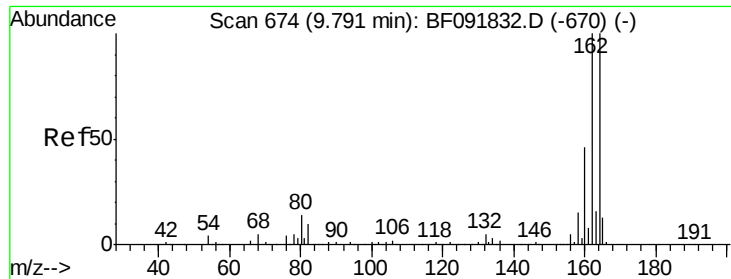
#23
Nitrobenzene-d5
Concen: 64.08 ng
RT: 7.11 min Scan# 466
Delta R.T. -0.10 min
Lab File: BF092354.D
Acq: 18 Jan 2017 16:39

Tgt Ion:	82	Resp:	866373
Ion	Ratio	Lower	Upper
82	100		
128	40.1	34.6	52.0
54	51.8	39.5	59.3



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

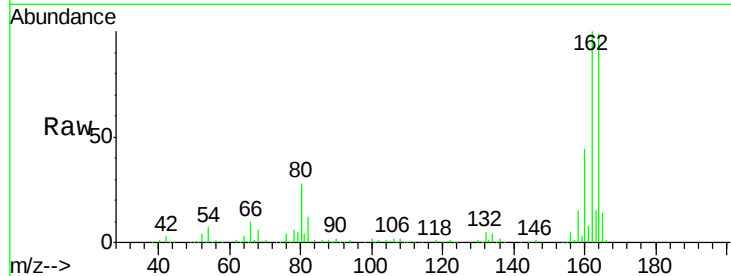




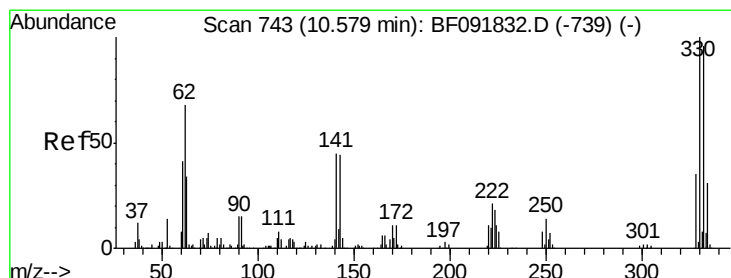
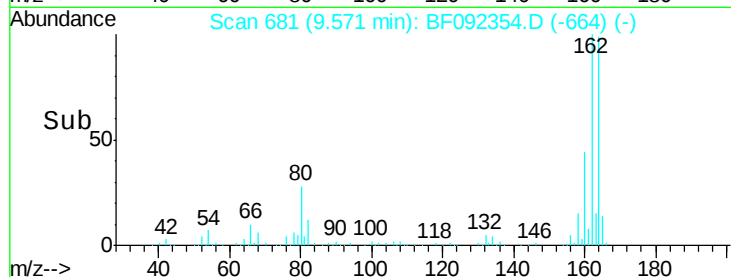
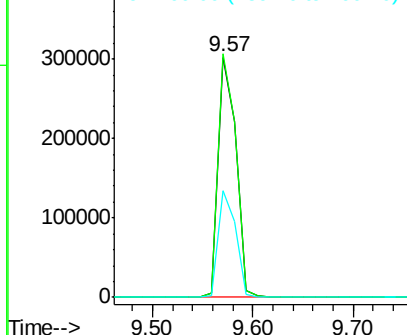
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.57 min Scan# 681
 Delta R.T. -0.11 min
 Lab File: BF092354.D
 Acq: 18 Jan 2017 16:39

Instrument :
 BNA_F
 ClientSampleId :
 PB96092TB

Tgt Ion:164 Resp: 371978
 Ion Ratio Lower Upper
 164 100
 162 101.4 80.2 120.2
 160 44.3 36.9 55.3

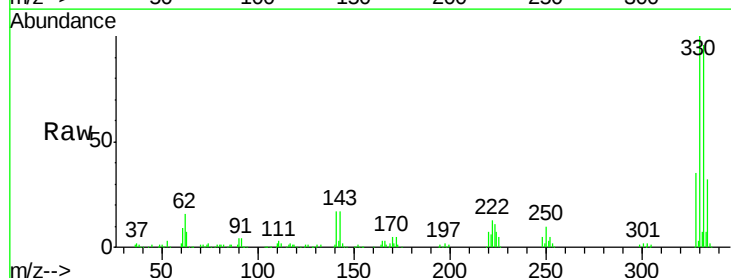


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

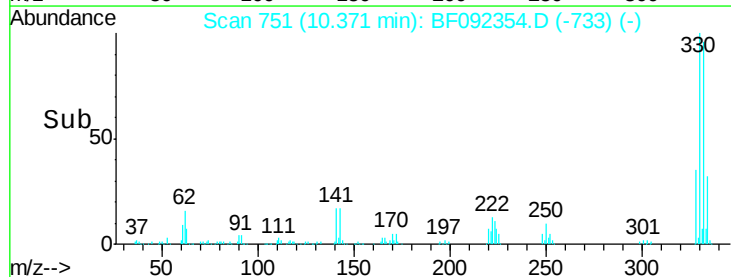
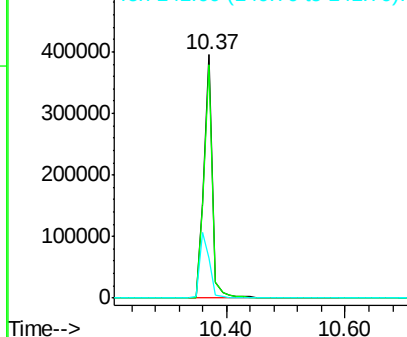


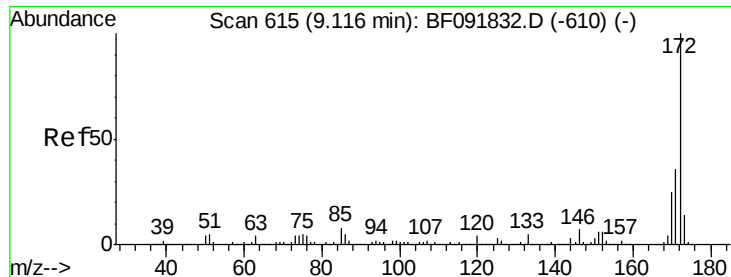
#41
 2,4,6-Tribromophenol
 Concen: 134.57 ng
 RT: 10.37 min Scan# 751
 Delta R.T. -0.10 min
 Lab File: BF092354.D
 Acq: 18 Jan 2017 16:39

Tgt Ion:330 Resp: 414251
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.4 116.2
 141 30.8 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



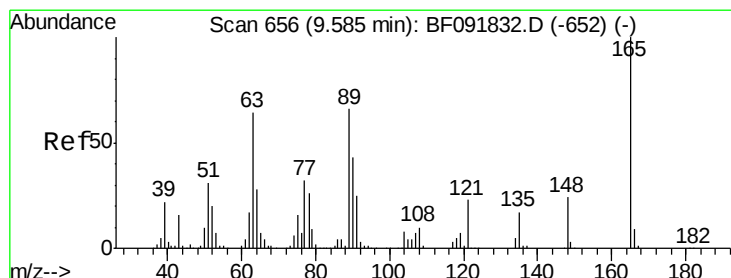
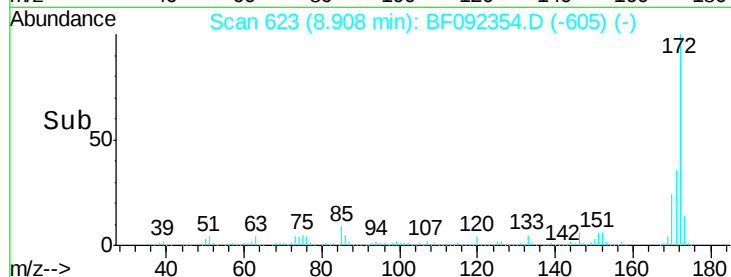
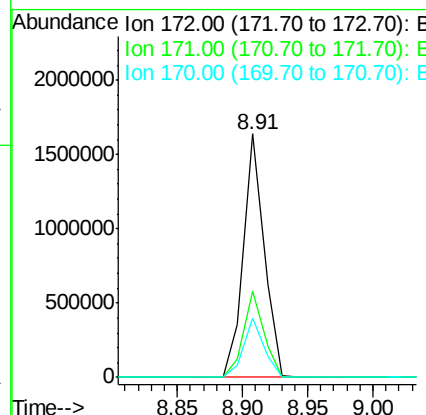
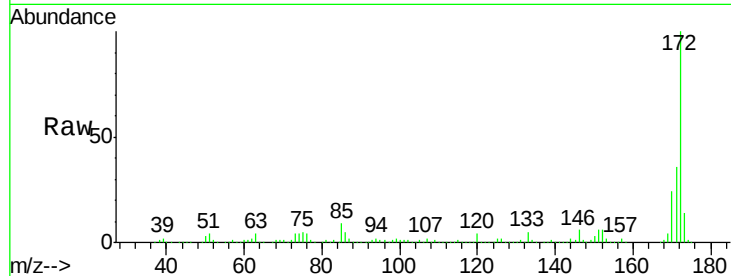


#44
 2-Fluorobiphenyl
 Concen: 102.72 ng
 RT: 8.91 min Scan# 623
 Delta R.T. -0.10 min
 Lab File: BF092354.D
 Acq: 18 Jan 2017 16:39

Instrument :
 BNA_F
 ClientSampleId :
 PB96092TB

Tgt Ion:172 Resp: 1815998

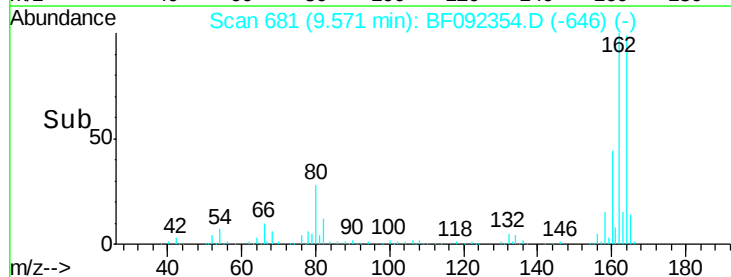
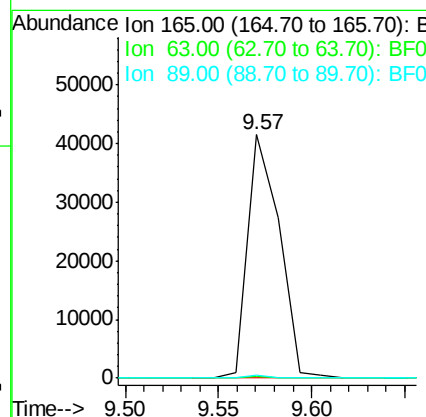
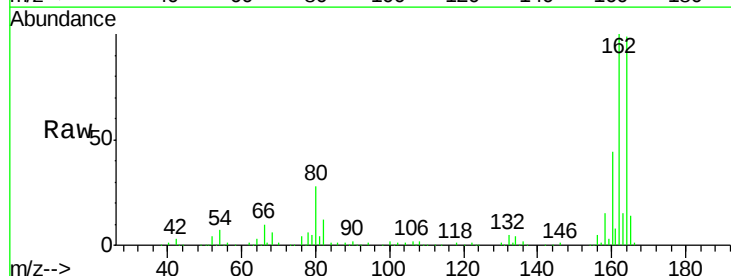
Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	24.1	20.2	30.4

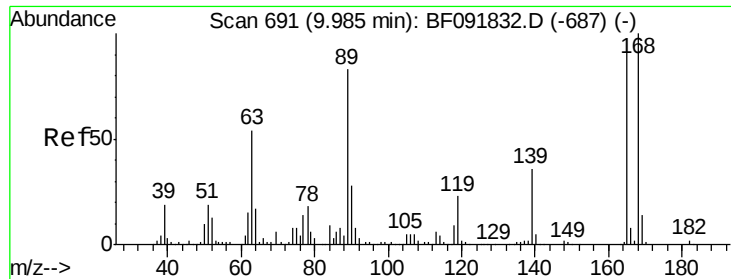


#50
 2,6-Dinitrotoluene
 Concen: 9.37 ng
 RT: 9.57 min Scan# 681
 Delta R.T. 0.09 min
 Lab File: BF092354.D
 Acq: 18 Jan 2017 16:39

Tgt Ion:165 Resp: 48805

Ion	Ratio	Lower	Upper
165	100		
63	0.9	36.2	54.4#
89	1.0	40.2	60.4#

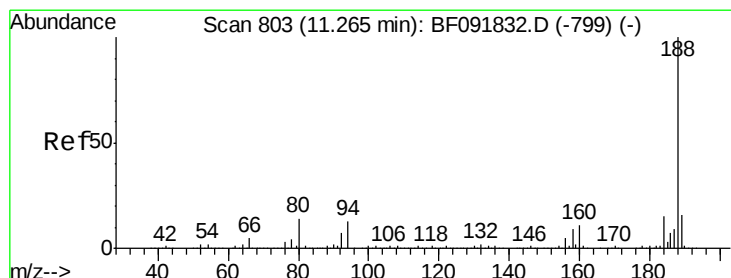
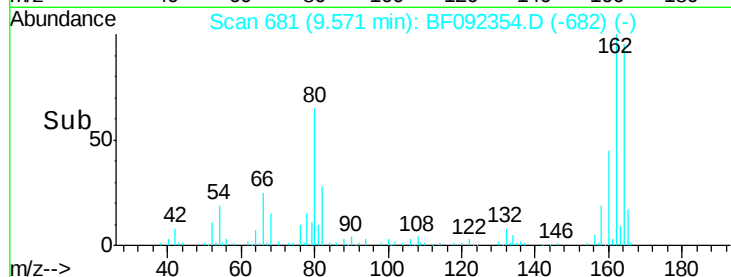
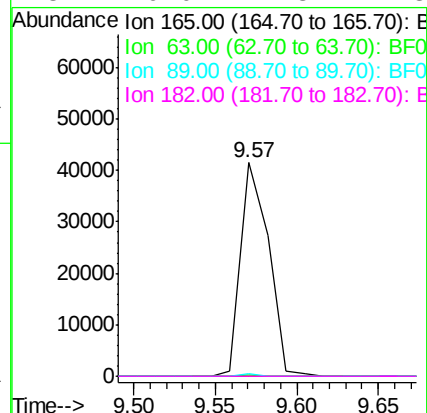
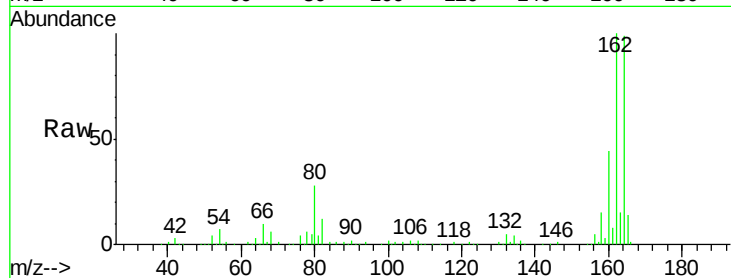




#56
 2,4-Dinitrotoluene
 Concen: 7.47 ng
 RT: 9.57 min Scan# 681
 Delta R.T. -0.32 min
 Lab File: BF092354.D
 Acq: 18 Jan 2017 16:39

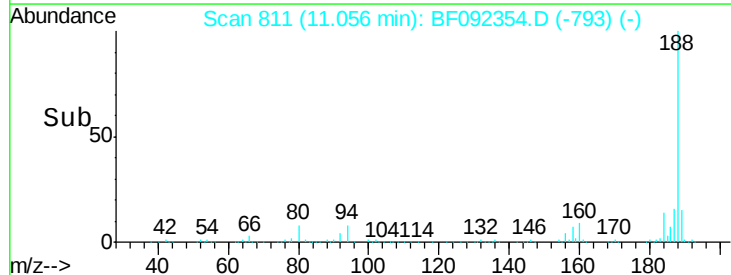
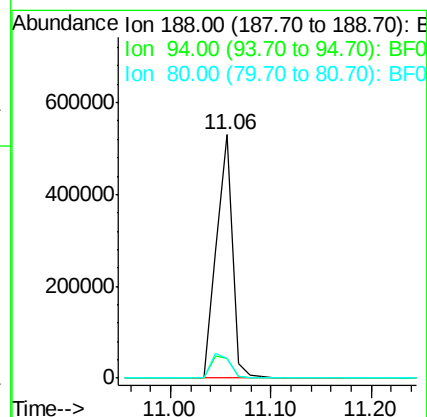
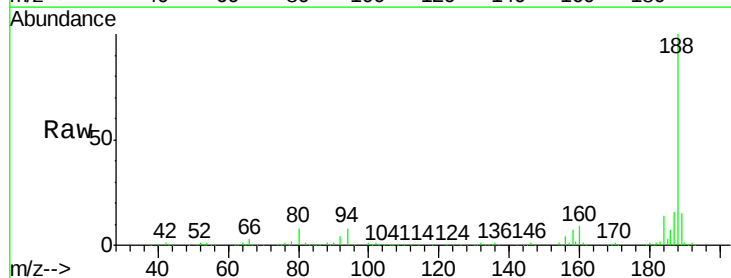
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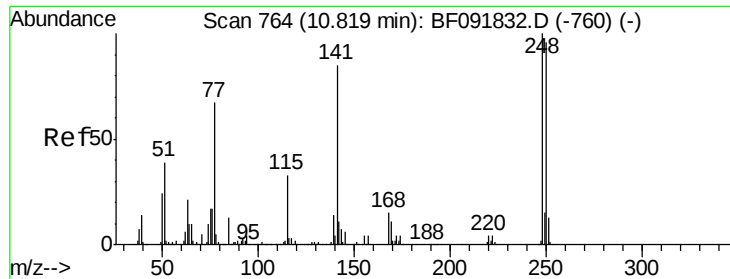
Tgt Ion:	165	Resp:	48797
Ion	Ratio	Lower	Upper
165	100		
63	0.9	40.2	60.4#
89	1.0	62.5	93.7#
182	0.0	1.8	2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.06 min Scan# 811
 Delta R.T. -0.10 min
 Lab File: BF092354.D
 Acq: 18 Jan 2017 16:39

Tgt Ion:	188	Resp:	584119
Ion	Ratio	Lower	Upper
188	100		
94	7.8	10.0	15.0#
80	7.9	11.2	16.8#

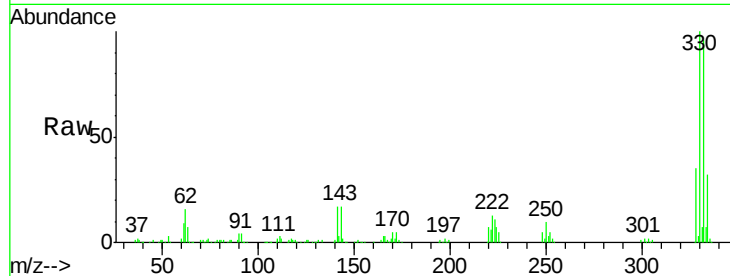




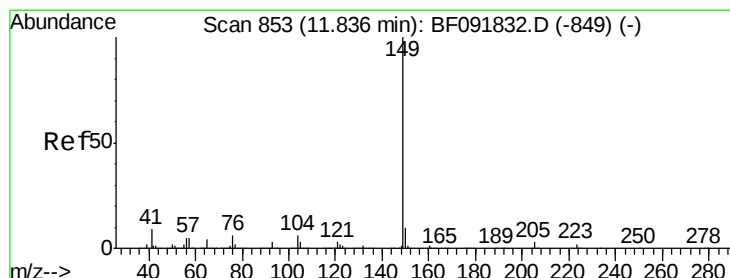
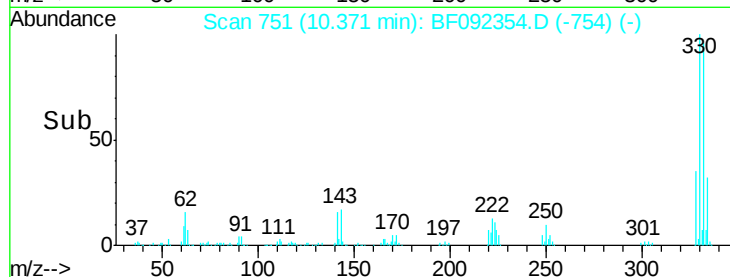
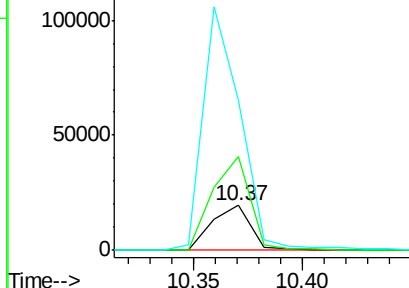
#66
 4-Bromophenyl-phenylether
 Concen: 3.95 ng
 RT: 10.37 min Scan# 751
 Delta R.T. -0.34 min
 Lab File: BF092354.D
 Acq: 18 Jan 2017 16:39

Instrument :
 BNA_F
 ClientSampleId :
 PB96092TB

Tgt Ion:248 Resp: 24005
 Ion Ratio Lower Upper
 248 100
 250 209.8 76.9 115.3#
 141 335.8 68.2 102.4#

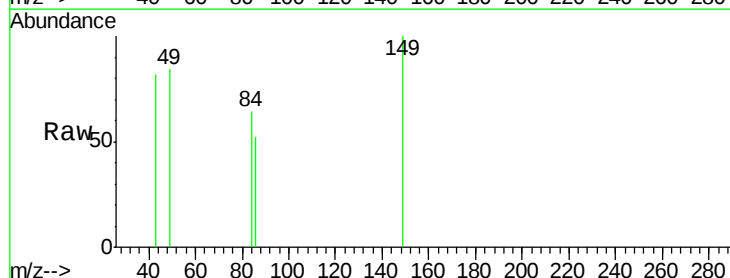


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

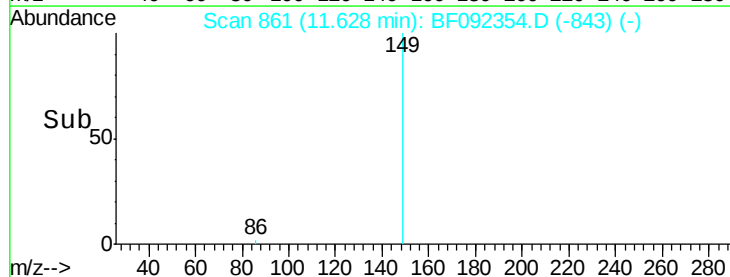
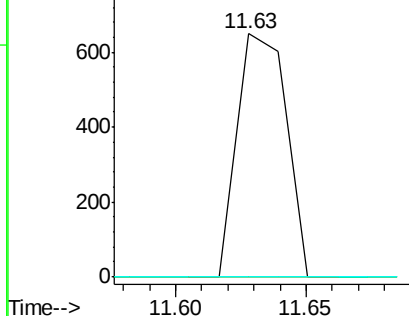


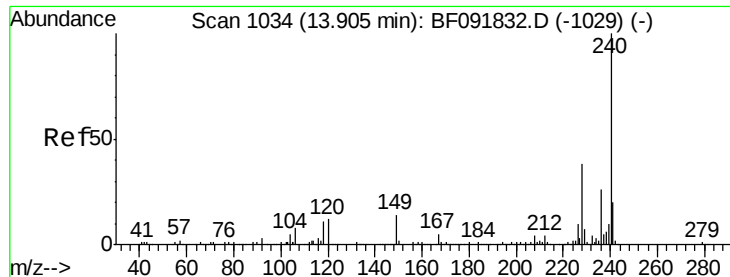
#73
 Di-n-butylphthalate
 Concen: Below Cal
 RT: 11.63 min Scan# 861
 Delta R.T. -0.10 min
 Lab File: BF092354.D
 Acq: 18 Jan 2017 16:39

Tgt Ion:149 Resp: 859
 Ion Ratio Lower Upper
 149 100
 150 0.0 8.1 12.1#
 104 0.0 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.69 min Scan# 1041

Delta R.T. -0.10 min

Lab File: BF092354.D

Acq: 18 Jan 2017 16:39

Instrument :

BNA_F

ClientSampleId :

PB96092TB

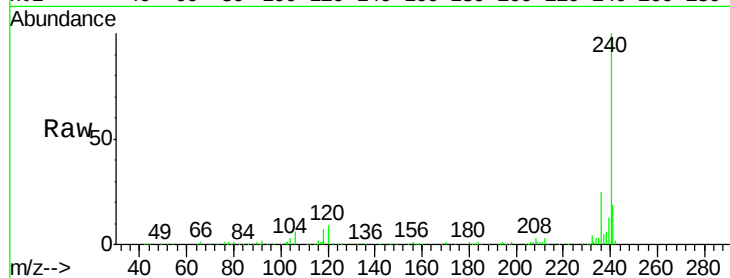
Tgt Ion:240 Resp: 381232

Ion Ratio Lower Upper

240 100

120 8.5 12.9 19.3#

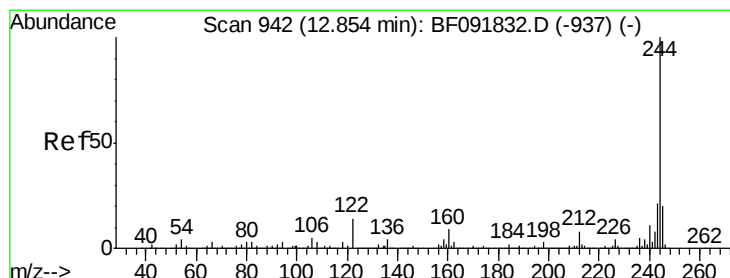
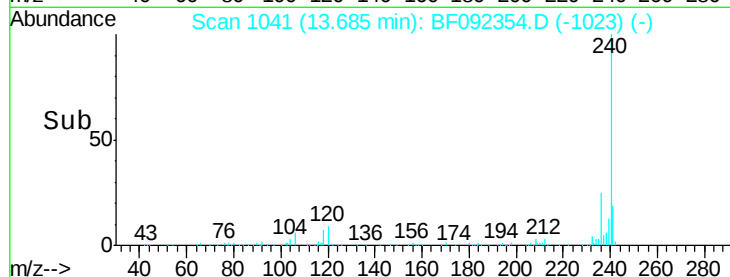
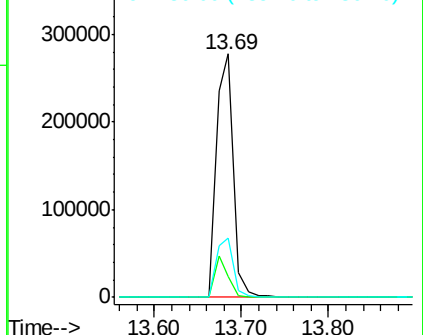
236 24.5 20.9 31.3



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: 105.09 ng

RT: 12.65 min Scan# 950

Delta R.T. -0.10 min

Lab File: BF092354.D

Acq: 18 Jan 2017 16:39

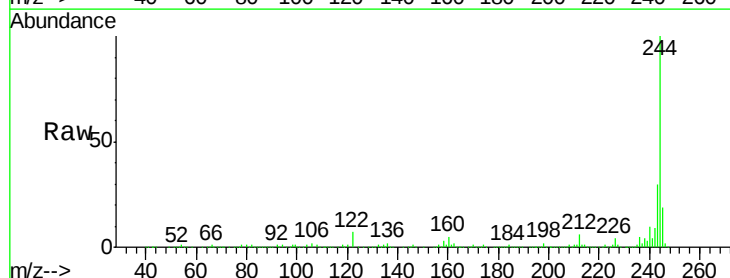
Tgt Ion:244 Resp: 1651922

Ion Ratio Lower Upper

244 100

212 6.4 6.2 9.2

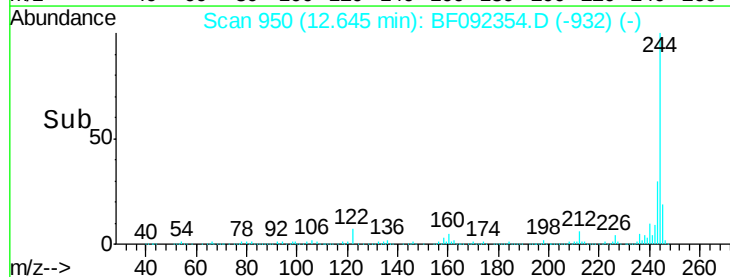
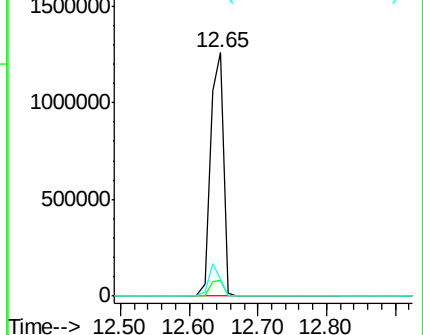
122 7.0 11.4 17.2#

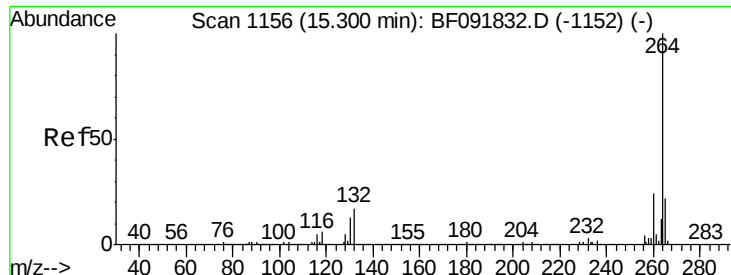


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.03 min Scan# 1159
Delta R.T. -0.11 min
Lab File: BF092354.D
Acq: 18 Jan 2017 16:39

Instrument :
BNA_F
ClientSampleId :
PB96092TB

Tgt Ion:	264	Resp:	358755
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.8	17.4	26.0

