

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021017\
 Data File : BF092884.D
 Acq On : 10 Feb 2017 15:51
 Operator : SJ/MA
 Sample : PB96853BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB96853BL

Quant Time: Feb 10 23:02:51 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

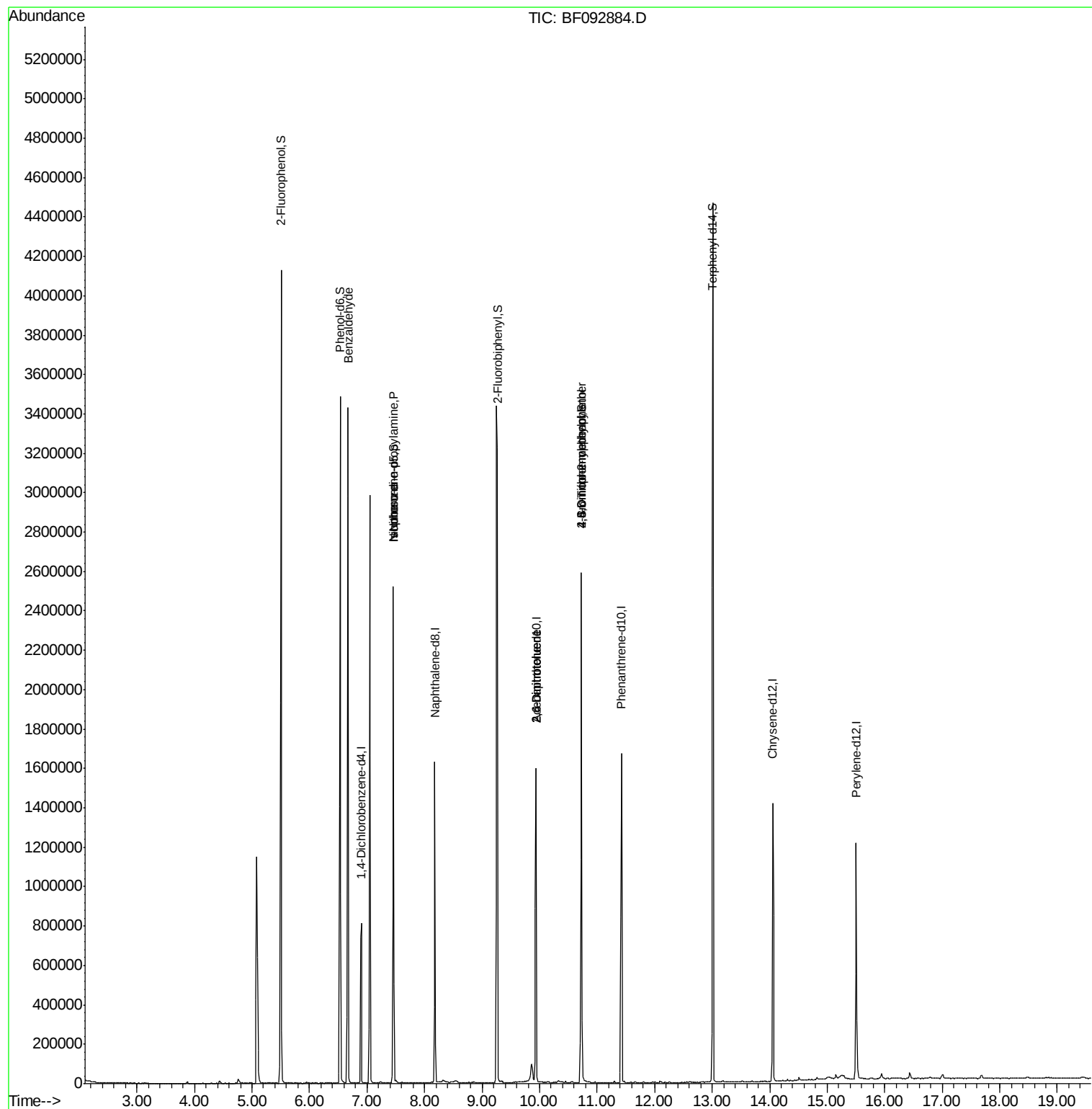
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	183199	20.00	ng	-0.07
21) Naphthalene-d8	8.18	136	745093	20.00	ng	-0.08
38) Acenaphthene-d10	9.94	164	430003	20.00	ng	-0.07
63) Phenanthrene-d10	11.42	188	733104	20.00	ng	-0.07
75) Chrysene-d12	14.05	240	604247	20.00	ng	-0.09
86) Perylene-d12	15.51	264	510407	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1219510	114.20	ng	-0.07
7) Phenol-d6	6.53	99	1446205	105.26	ng	-0.07
23) Nitrobenzene-d5	7.46	82	920724	68.81	ng	-0.08
41) 2,4,6-Tribromophenol	10.73	330	330002	106.11	ng	-0.08
44) 2-Fluorobiphenyl	9.26	172	1829281	77.07	ng	-0.07
78) Terphenyl-d14	13.01	244	1637345	63.67	ng	-0.07
Target Compounds						
9) Benzaldehyde	6.67	77	27125	2.76	ng	Qvalue 88
19) n-Nitroso-di-n-propylamine	7.46	70	120756	13.81	ng	# 83
25) Isophorone	7.46	82	910109	36.50	ng	# 65
50) 2,6-Dinitrotoluene	9.94	165	55996	8.95	ng	# 30
56) 2,4-Dinitrotoluene	9.94	165	55987	6.72	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.73	198	780	2.83	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	24552	3.21	ng	# 1

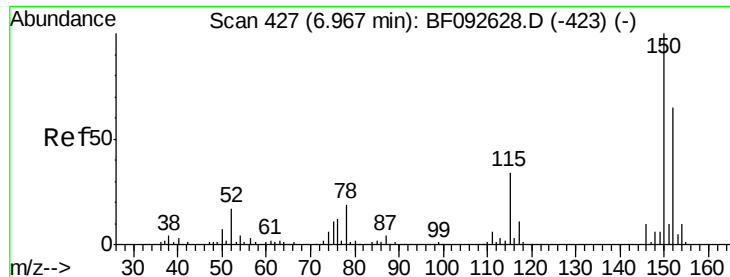
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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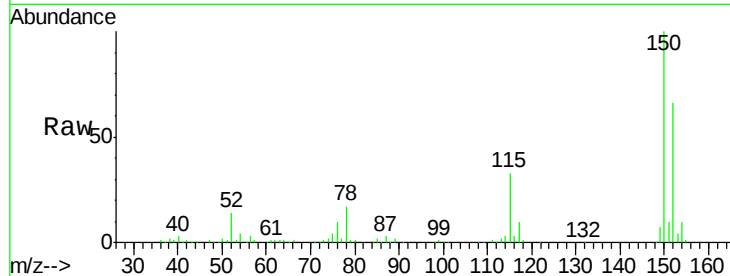




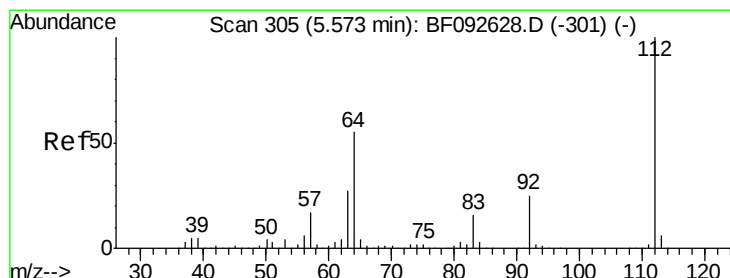
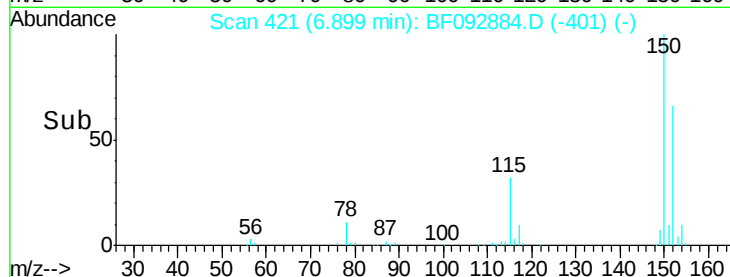
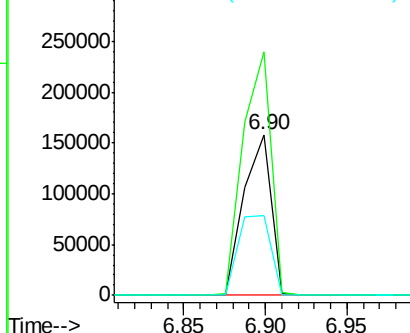
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.90 min Scan# 421
 Delta R.T. -0.07 min
 Lab File: BF092884.D
 Acq: 10 Feb 2017 15:51

Instrument :
 BNA_F
 ClientSampleId :
 PB96853BL

Tgt Ion:152 Resp: 183199
 Ion Ratio Lower Upper
 152 100
 150 151.6 124.9 187.3
 115 49.4 46.0 69.0

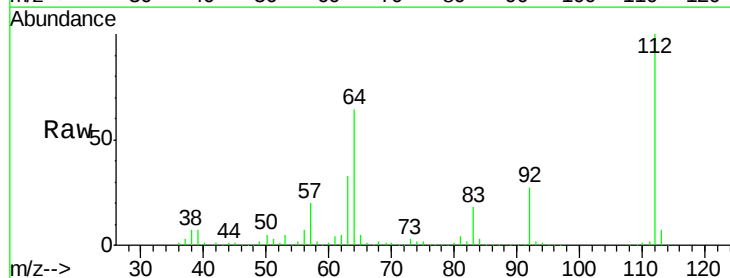


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

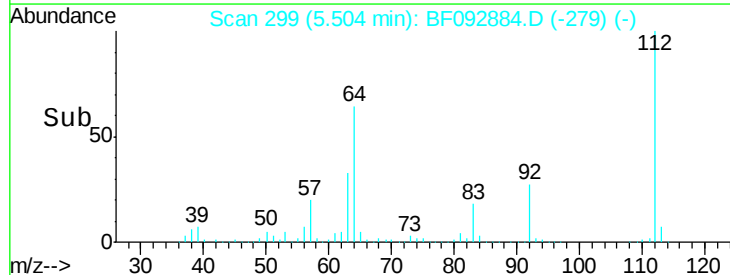
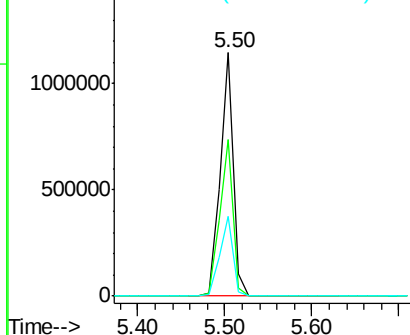


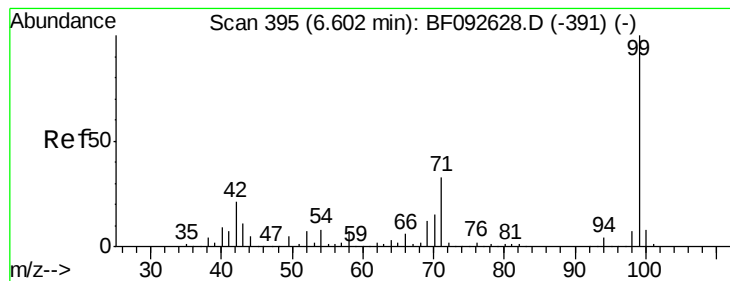
#5
 2-Fluorophenol
 Concen: 114.20 ng
 RT: 5.50 min Scan# 299
 Delta R.T. -0.07 min
 Lab File: BF092884.D
 Acq: 10 Feb 2017 15:51

Tgt Ion:112 Resp: 1219510
 Ion Ratio Lower Upper
 112 100
 64 64.4 46.1 69.1
 63 32.6 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: 105.26 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.07 min

Lab File: BF092884.D

Acq: 10 Feb 2017 15:51

Instrument :

BNA_F

ClientSampleId :

PB96853BL

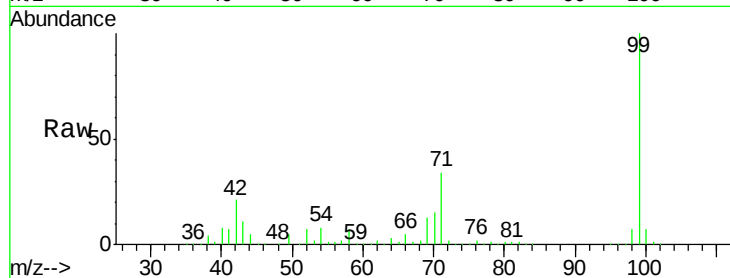
Tgt Ion: 99 Resp: 1446205

Ion Ratio Lower Upper

99 100

42 20.9 15.6 23.4

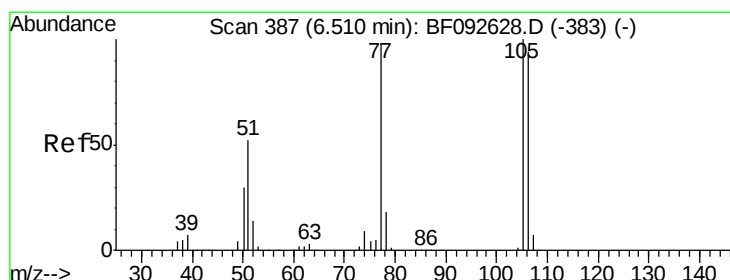
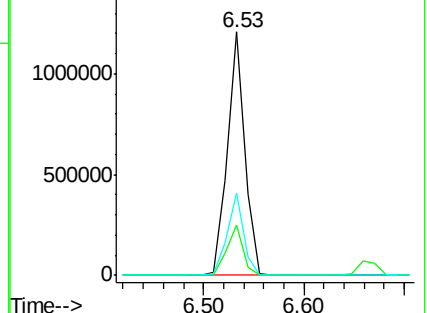
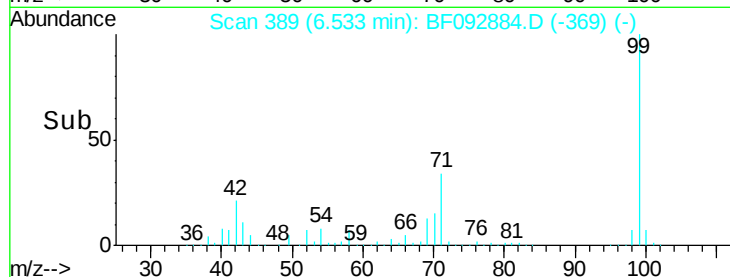
71 33.7 27.5 41.3



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



#9

Benzaldehyde

Concen: 2.76 ng

RT: 6.67 min Scan# 401

Delta R.T. 0.16 min

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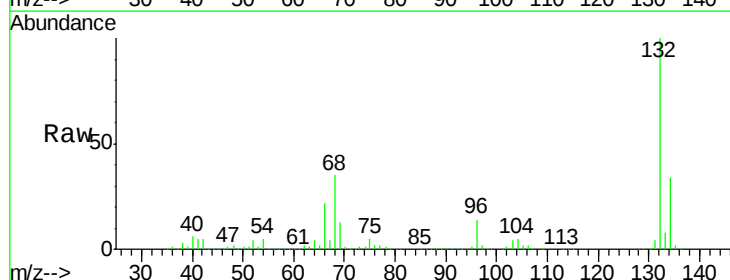
Tgt Ion: 77 Resp: 27125

Ion Ratio Lower Upper

77 100

105 89.3 83.9 123.9

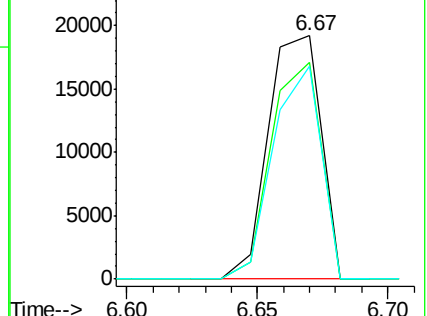
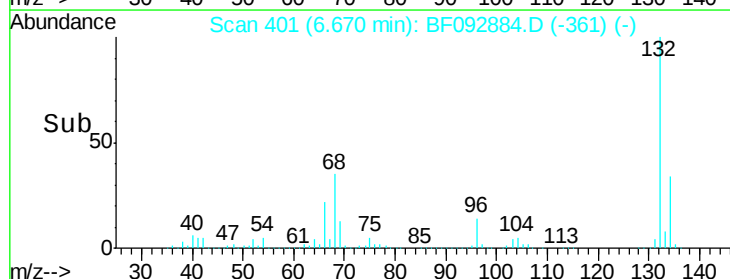
106 87.6 77.6 117.6

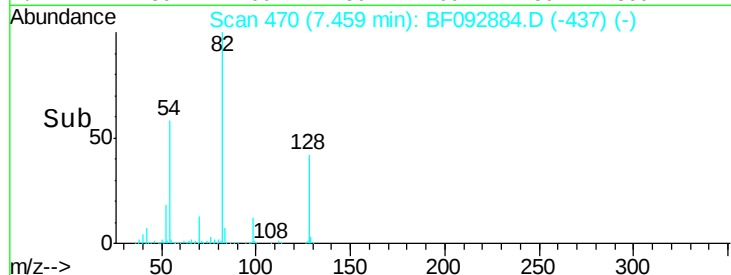
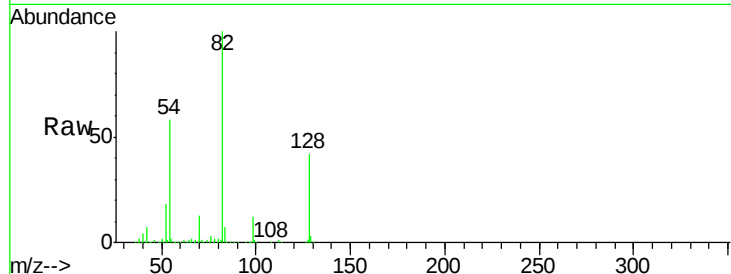
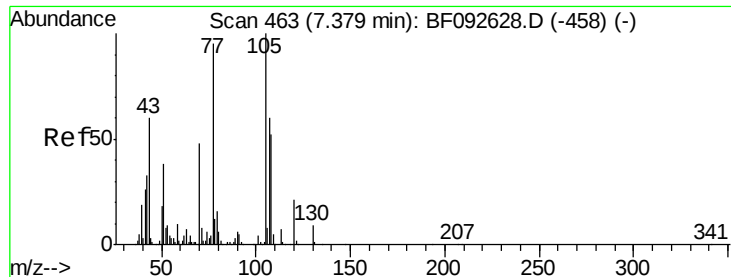


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

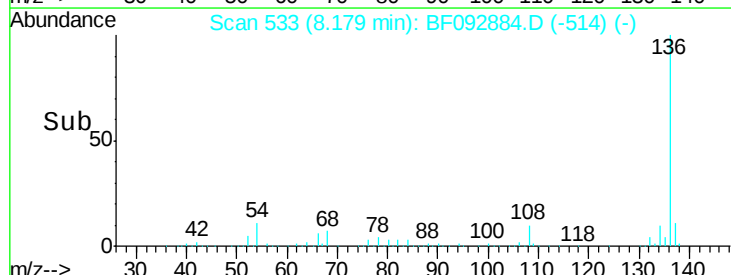
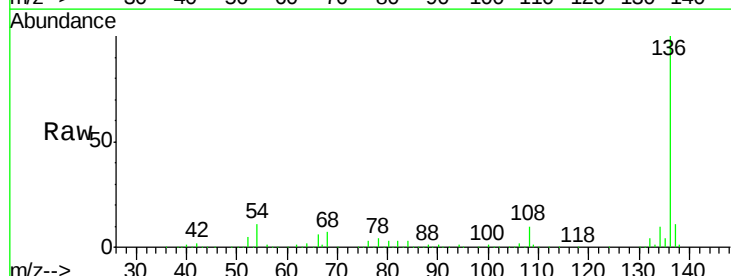
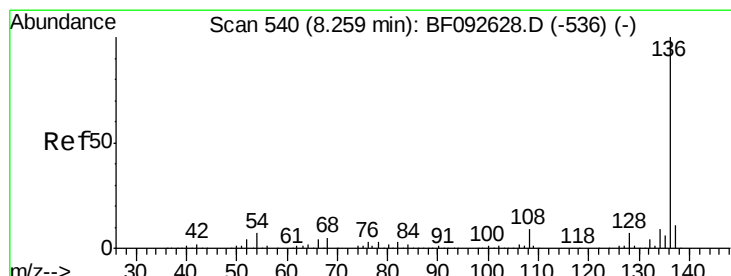
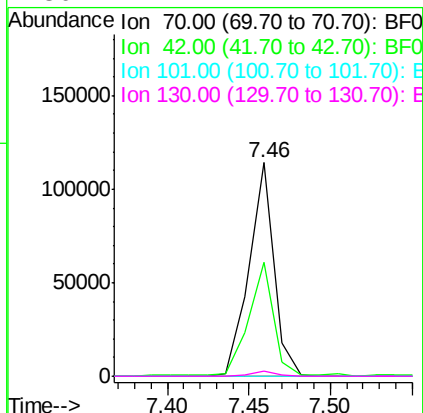




#19
n-Nitroso-di-n-propylamine
Concen: 13.81 ng
RT: 7.46 min Scan# 470
Delta R.T. 0.08 min
Lab File: BF092884.D
Acq: 10 Feb 2017 15:51

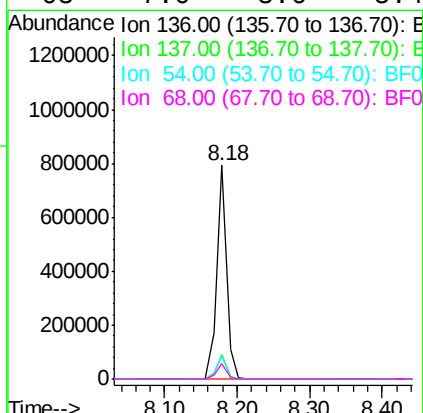
Instrument :
BNA_F
ClientSampleId :
PB96853BL

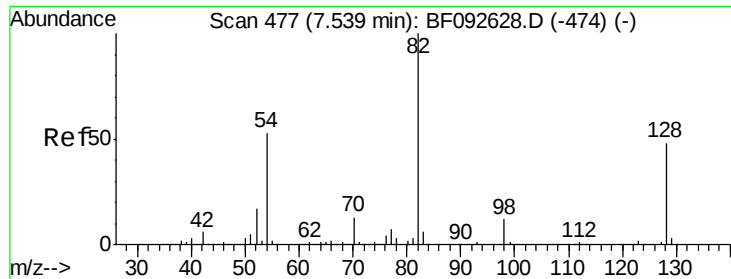
Tgt Ion: 70 Resp: 120756
Ion Ratio Lower Upper
70 100
42 53.2 49.4 74.0
101 0.0 7.4 11.2#
130 2.2 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.08 min
Lab File: BF092884.D
Acq: 10 Feb 2017 15:51

Tgt Ion: 136 Resp: 745093
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 10.5 4.5 6.7#
68 7.0 3.6 5.4#

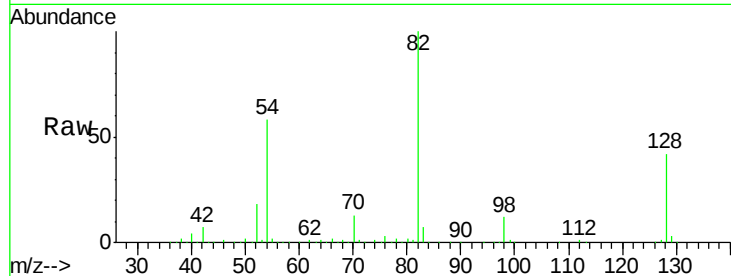




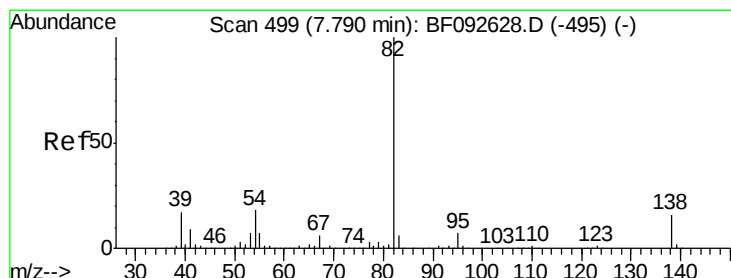
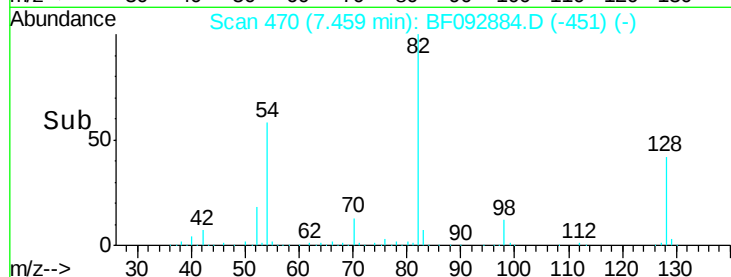
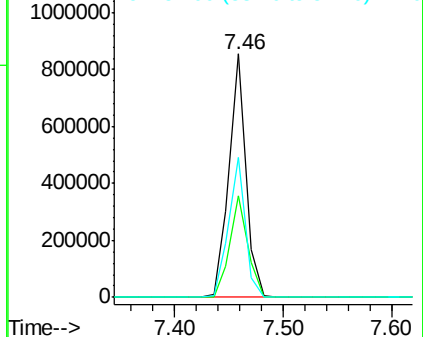
#23
 Nitrobenzene-d5
 Concen: 68.81 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.08 min
 Lab File: BF092884.D
 Acq: 10 Feb 2017 15:51

Instrument :
 BNA_F
 ClientSampleId :
 PB96853BL

Tgt Ion: 82 Resp: 920724
 Ion Ratio Lower Upper
 82 100
 128 41.9 34.6 52.0
 54 57.6 39.5 59.3

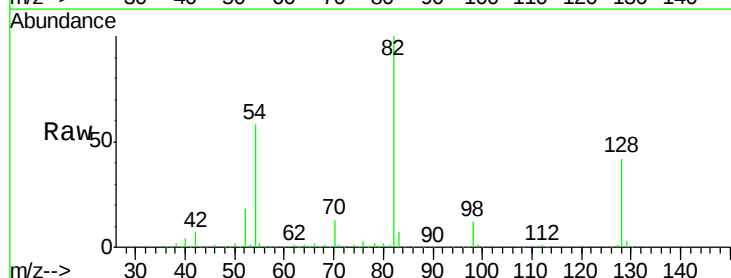


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

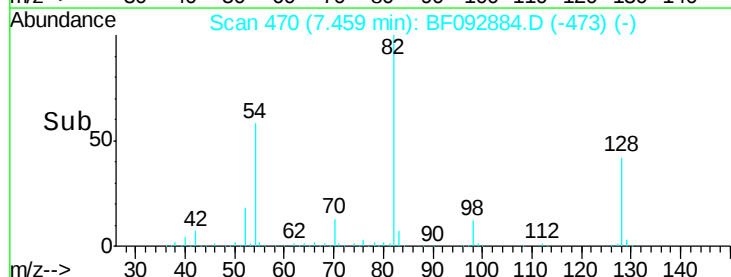
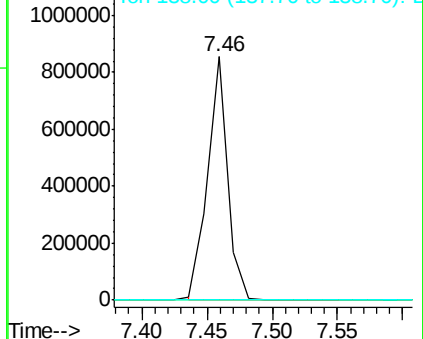


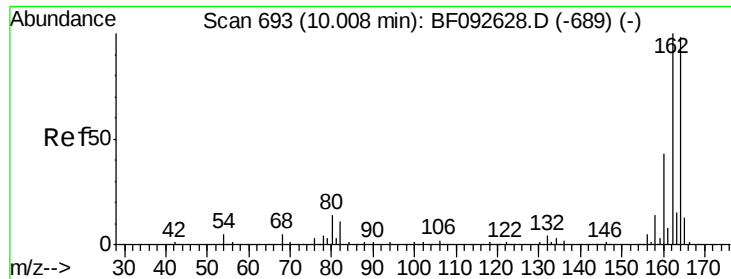
#25
 Isophorone
 Concen: 36.50 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.33 min
 Lab File: BF092884.D
 Acq: 10 Feb 2017 15:51

Tgt Ion: 82 Resp: 910109
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0

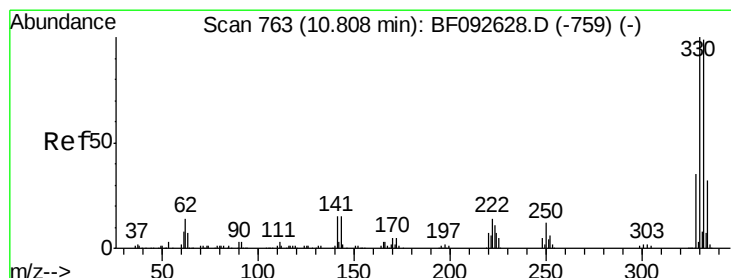
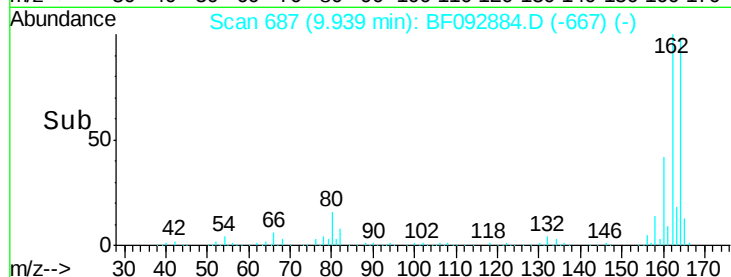
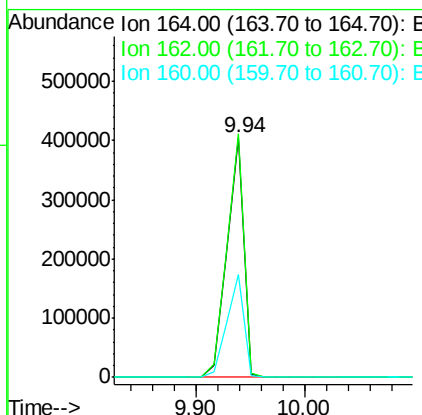
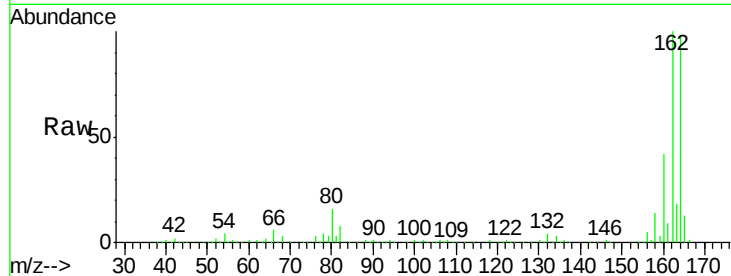




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.07 min
 Lab File: BF092884.D
 Acq: 10 Feb 2017 15:51

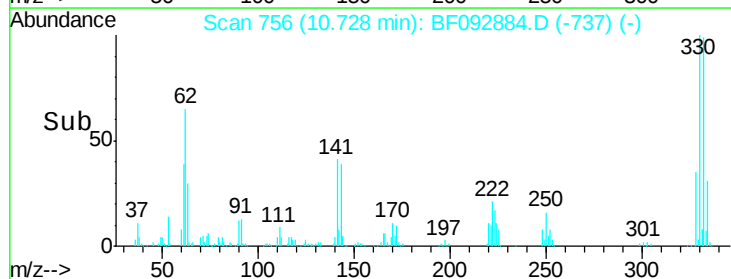
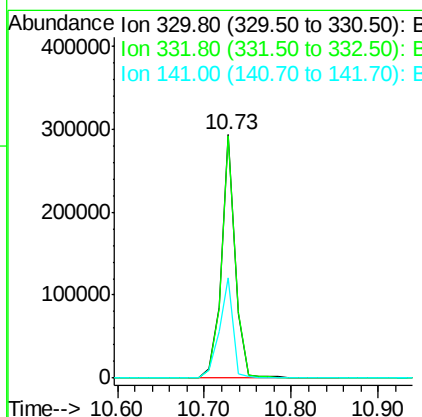
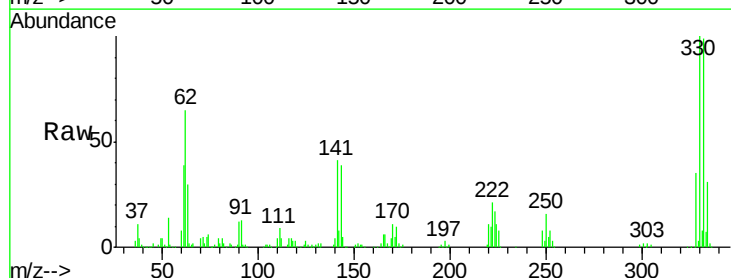
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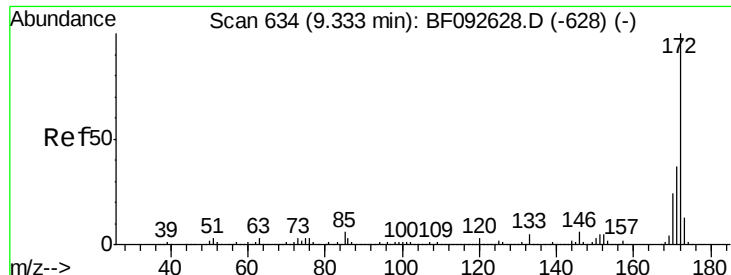
Tgt Ion:164 Resp: 430003
 Ion Ratio Lower Upper
 164 100
 162 101.8 80.2 120.2
 160 42.9 36.9 55.3



#41
 2,4,6-Tribromophenol
 Concen: 106.11 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.08 min
 Lab File: BF092884.D
 Acq: 10 Feb 2017 15:51

Tgt Ion:330 Resp: 330002
 Ion Ratio Lower Upper
 330 100
 332 99.6 77.4 116.2
 141 40.9 34.1 51.1

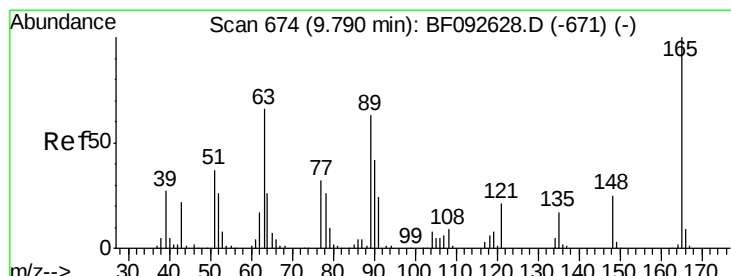
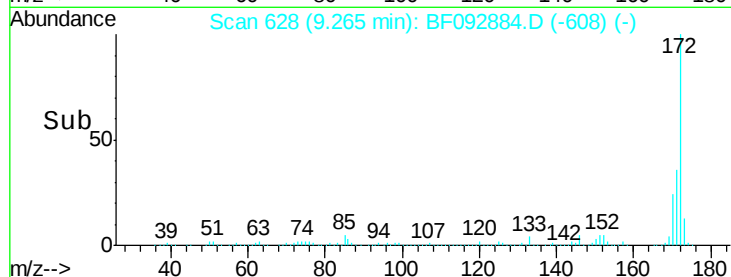
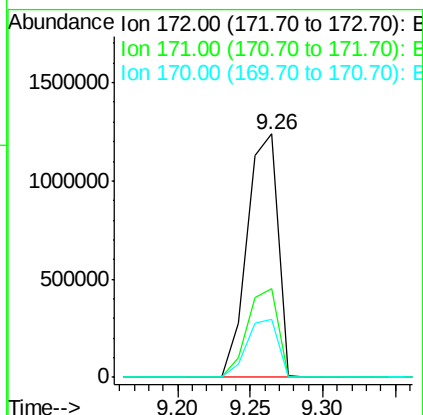
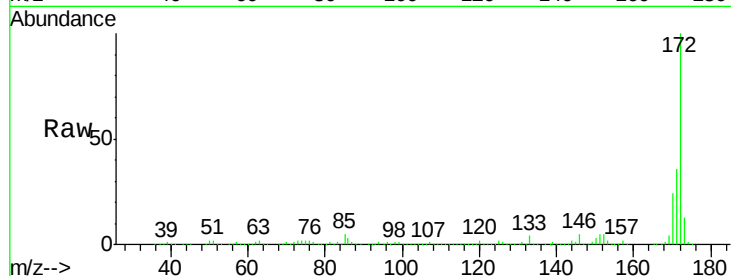




#44
 2-Fluorobiphenyl
 Concen: 77.07 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.07 min
 Lab File: BF092884.D
 Acq: 10 Feb 2017 15:51

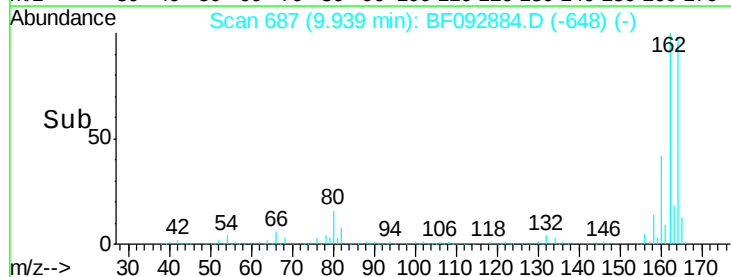
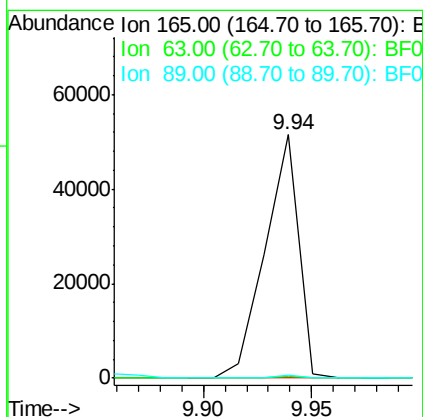
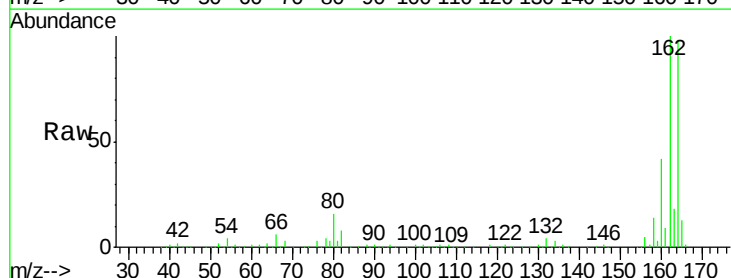
Instrument :
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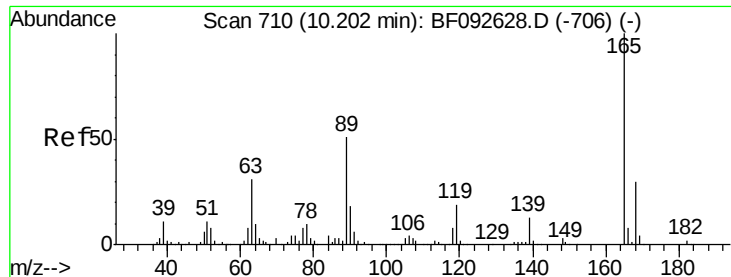
Tgt Ion:172 Resp: 1829281
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 23.8 20.2 30.4



#50
 2,6-Dinitrotoluene
 Concen: 8.95 ng
 RT: 9.94 min Scan# 687
 Delta R.T. 0.15 min
 Lab File: BF092884.D
 Acq: 10 Feb 2017 15:51

Tgt Ion:165 Resp: 55996
 Ion Ratio Lower Upper
 165 100
 63 0.6 36.2 54.4#
 89 1.1 40.2 60.4#

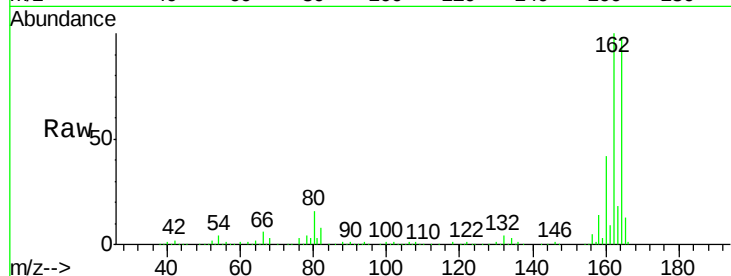




#56
 2,4-Dinitrotoluene
 Concen: 6.72 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.26 min
 Lab File: BF092884.D
 Acq: 10 Feb 2017 15:51

Instrument :
 BNA_F
 ClientSampleId :
 PB96853BL

Tgt Ion:	165	Resp:	55987
Ion	Ratio	Lower	Upper
165	100		
63	0.6	40.2	60.4#
89	1.1	62.5	93.7#
182	0.0	1.8	2.8#

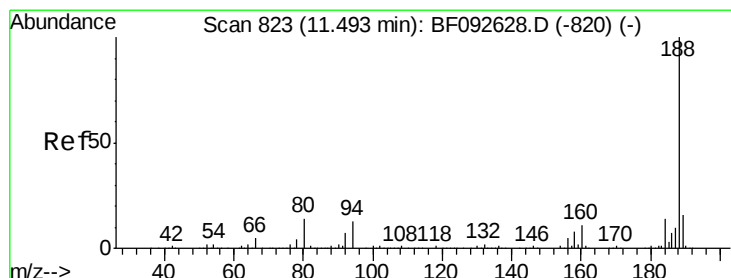
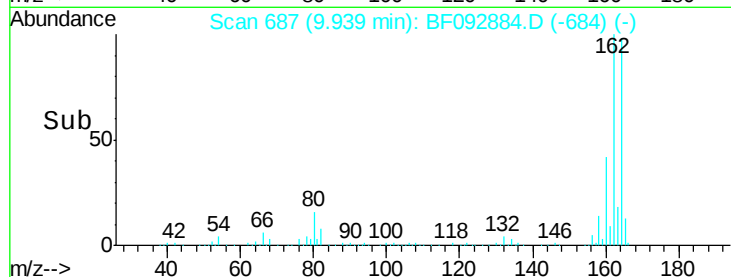
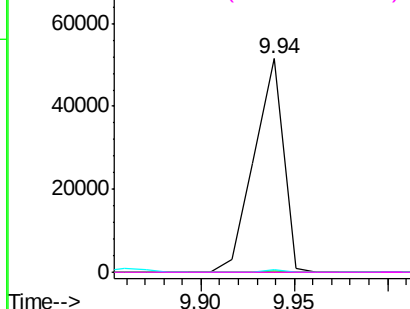


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

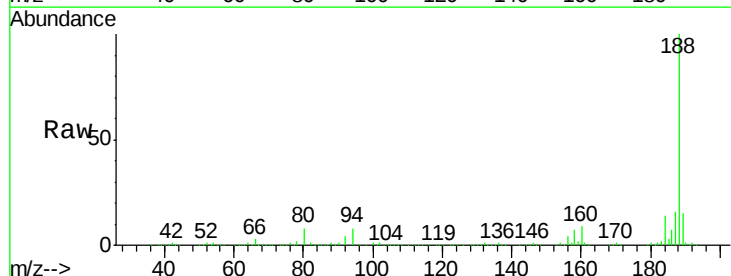
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.42 min Scan# 817
 Delta R.T. -0.07 min
 Lab File: BF092884.D
 Acq: 10 Feb 2017 15:51

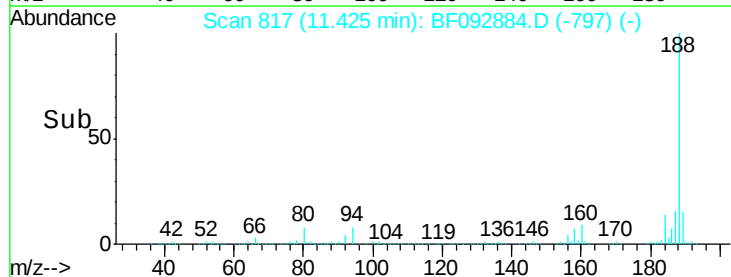
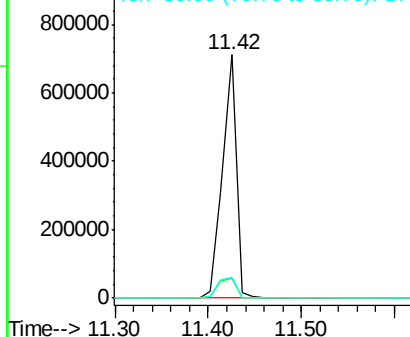
Tgt Ion:	188	Resp:	733104
Ion	Ratio	Lower	Upper
188	100		
94	8.2	10.0	15.0#
80	8.4	11.2	16.8#

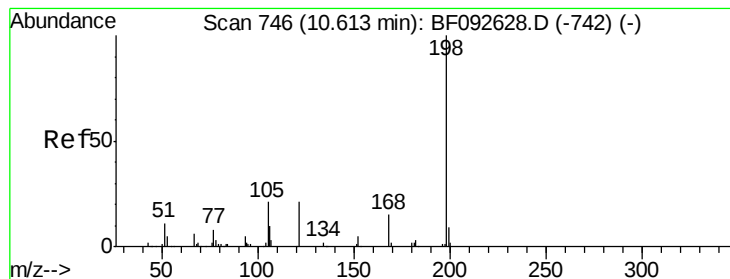


Abundance Ion 188.00 (187.70 to 188.70): E

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: 2.83 ng

RT: 10.73 min Scan# 756

Delta R.T. 0.11 min

Lab File: BF092884.D

Acq: 10 Feb 2017 15:51

Instrument :

BNA_F

ClientSampleId :

PB96853BL

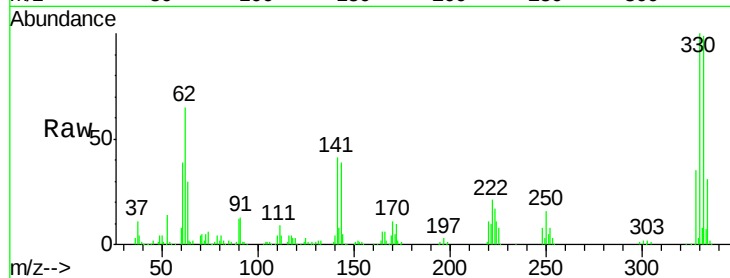
Tgt Ion:198 Resp: 780

Ion Ratio Lower Upper

198 100

51 203.0 6.7 46.7#

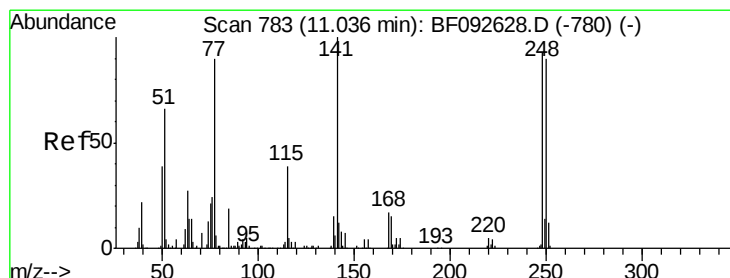
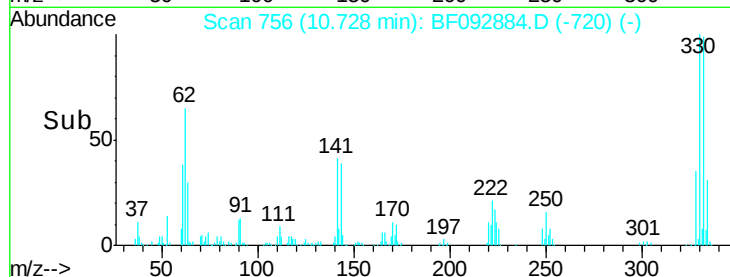
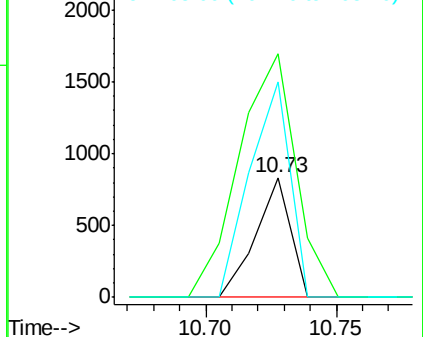
105 179.4 16.6 56.6#



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: 3.21 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.31 min

Lab File: BF092884.D

Acq: 10 Feb 2017 15:51

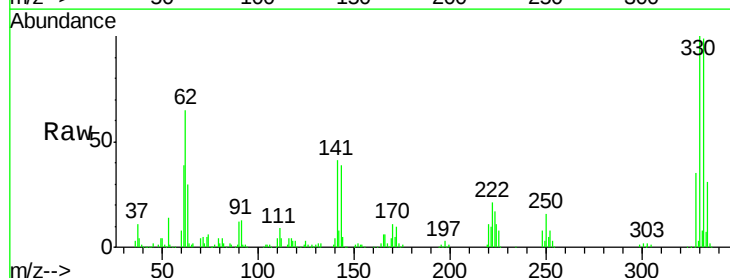
Tgt Ion:248 Resp: 24552

Ion Ratio Lower Upper

248 100

250 196.0 76.9 115.3#

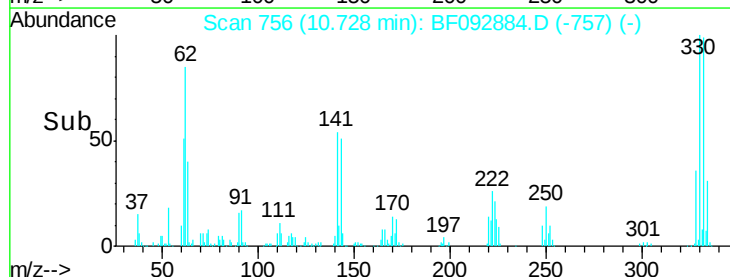
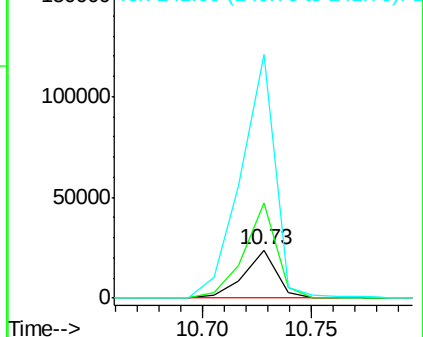
141 504.5 68.2 102.4#

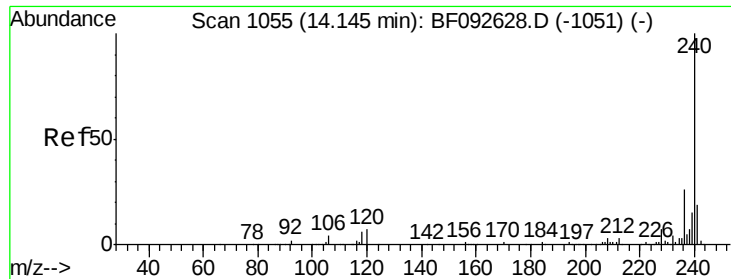


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.05 min Scan# 1047

Delta R.T. -0.09 min

Lab File: BF092884.D

Acq: 10 Feb 2017 15:51

Instrument :

BNA_F

ClientSampleId :

PB96853BL

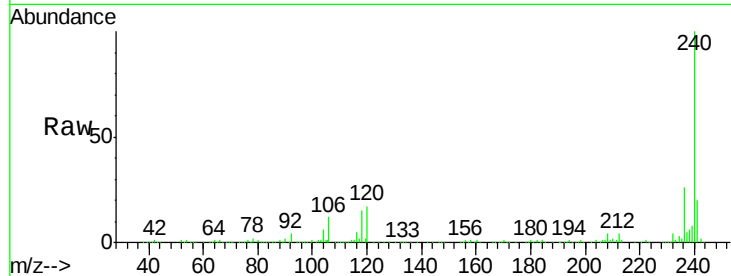
Tgt Ion:240 Resp: 604247

Ion Ratio Lower Upper

240 100

120 17.2 12.9 19.3

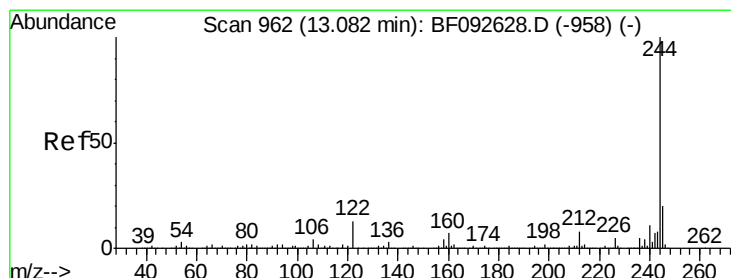
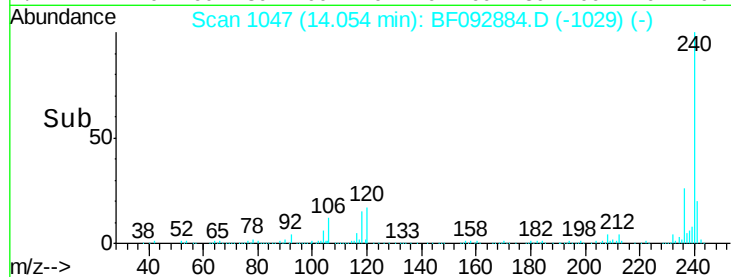
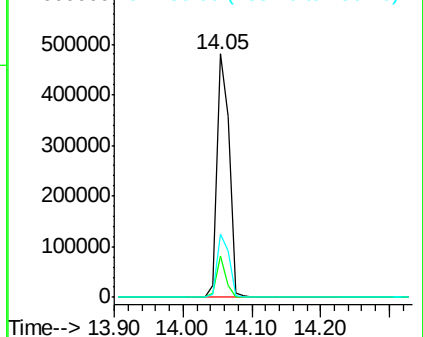
236 26.1 20.9 31.3



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: 63.67 ng

RT: 13.01 min Scan# 956

Delta R.T. -0.07 min

Lab File: BF092884.D

Acq: 10 Feb 2017 15:51

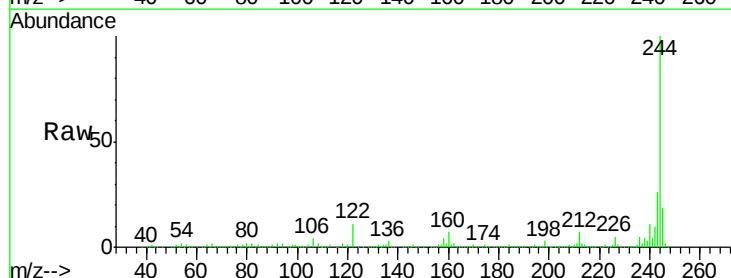
Tgt Ion:244 Resp: 1637345

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

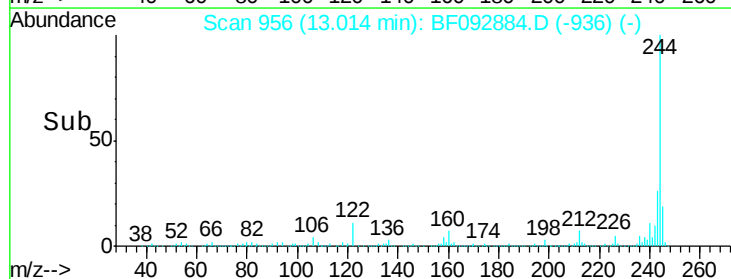
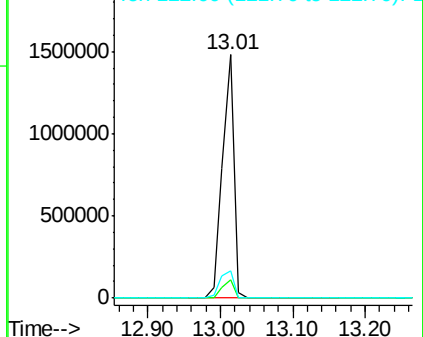
122 11.4 11.4 17.2#

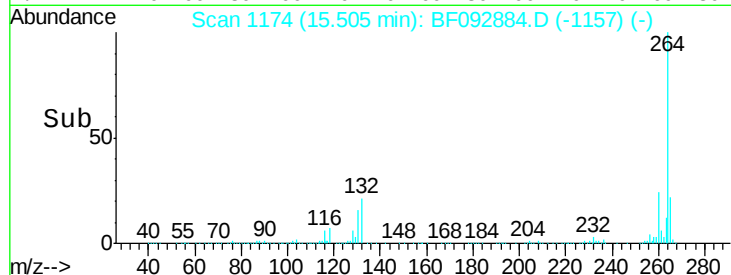
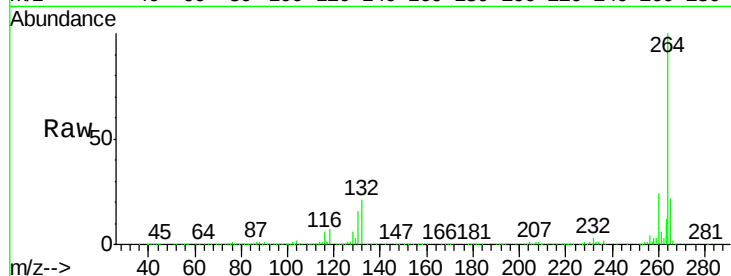
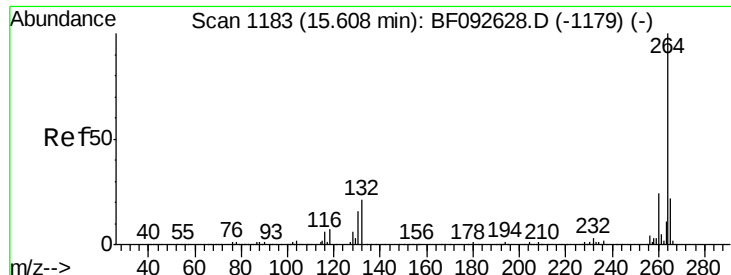


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.51 min Scan# 1174
Delta R.T. -0.10 min
Lab File: BF092884.D
Acq: 10 Feb 2017 15:51

Instrument :
BNA_F
ClientSampleId :
PB96853BL

Tgt Ion:	264	Resp:	510407
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.2	28.8
265	21.6	17.4	26.0

