

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
 Data File : BF084193.D
 Acq On : 31 Dec 2015 14:29
 Operator : UM/SJ
 Sample : PB87601BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB87601BL

Quant Time: Jan 01 22:50:54 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 31 14:15:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	316641	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	1269425	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	611563	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	1203586	20.00	ng	0.00
75) Chrysene-d12	14.05	240	981404	20.00	ng	-0.01
86) Perylene-d12	15.49	264	753457	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1837120	93.84	ng	0.01
7) Phenol-d6	6.52	99	2493007	101.40	ng	-0.01
23) Nitrobenzene-d5	7.46	82	1489805	65.32	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	605609	98.09	ng	-0.01
44) 2-Fluorobiphenyl	9.26	172	2655906	75.71	ng	0.00
78) Terphenyl-d14	13.01	244	2571114	58.48	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.46	70	204992	12.32	ng	# 66
32) Benzoic acid	7.86	122	314	6.27	ng	# 61
50) 2,6-Dinitrotoluene	9.94	165	79105	8.25	ng	# 37
54) Dibenzofuran	10.13	168	675	Below Cal		# 45
56) 2,4-Dinitrotoluene	9.94	165	79108	6.52	ng	# 21
57) Fluorene	10.73	166	29002	Below Cal		# 85
64) 4,6-Dinitro-2-methylphenol	10.73	198	1814	6.61	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	42377	3.27	ng	# 1
73) Di-n-butylphthalate	11.99	149	1168	Below Cal		# 79

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. 0.00 min

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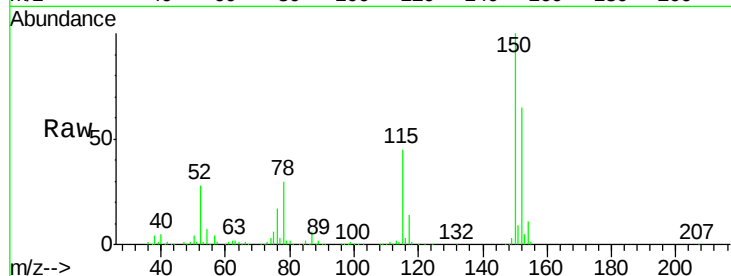
Tgt Ion:152 Resp: 316641

Ion Ratio Lower Upper

152 100

150 154.7 123.0 184.4

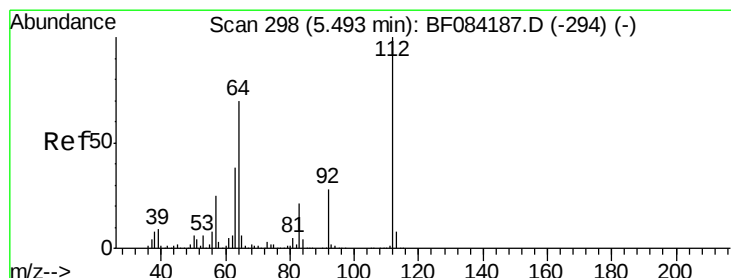
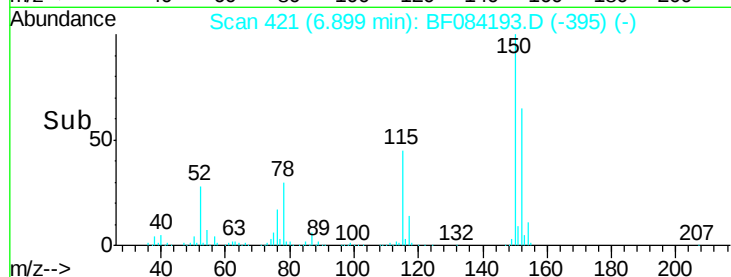
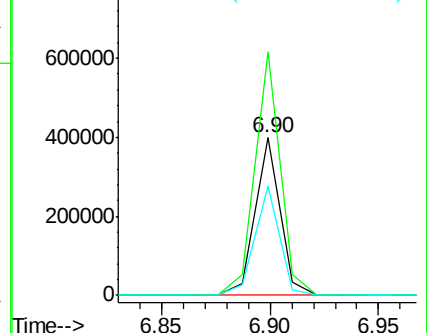
115 69.3 51.4 77.2



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: 93.84 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084193.D

Acq: 31 Dec 2015 14:29

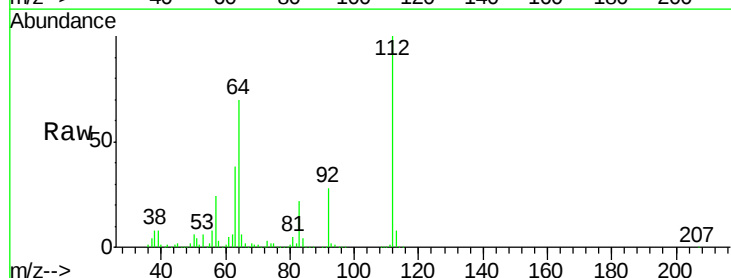
Tgt Ion:112 Resp: 1837120

Ion Ratio Lower Upper

112 100

64 69.6 36.6 55.0#

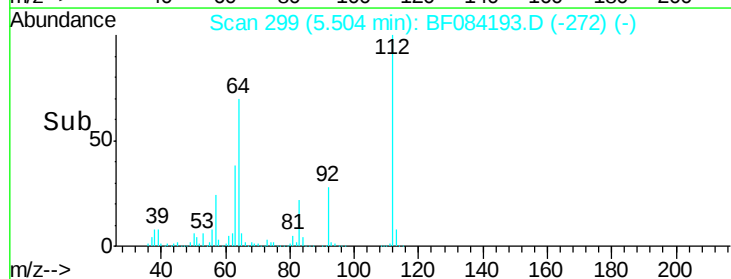
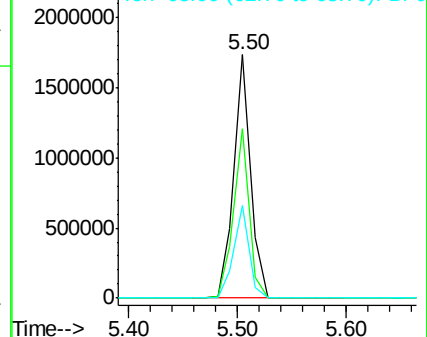
63 37.9 19.4 29.0#

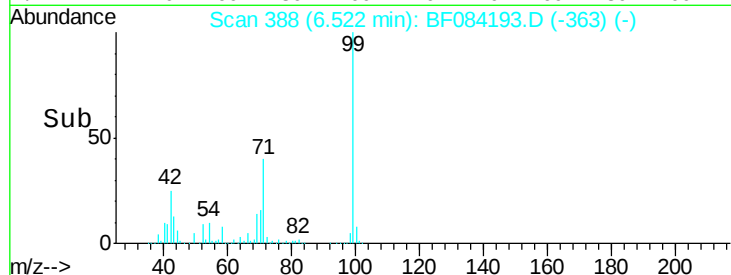
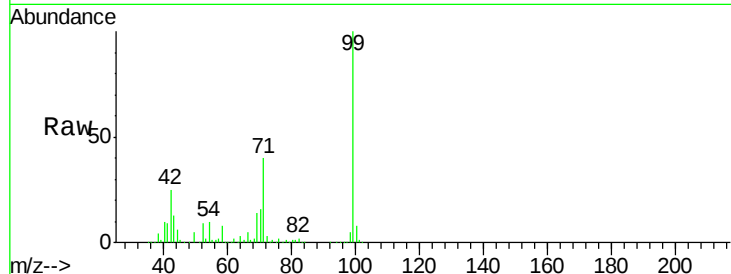


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 101.40 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF084193.D

Acq: 31 Dec 2015 14:29

Instrument :

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ClientSampleId :

PB87601BL

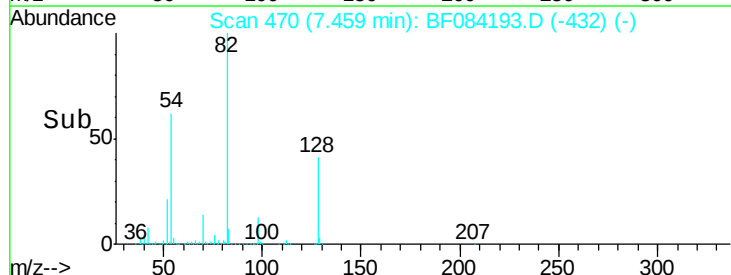
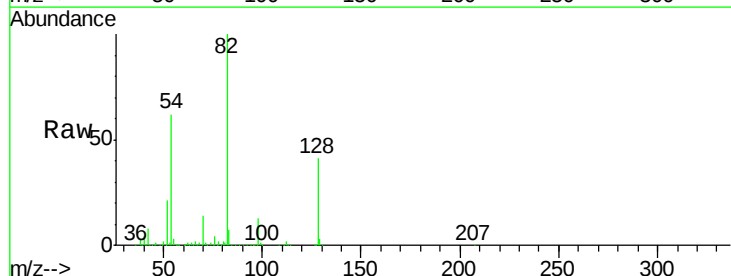
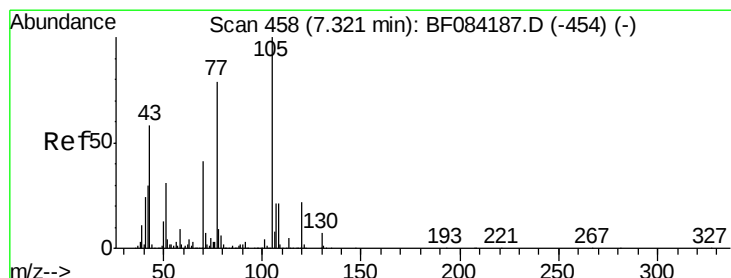
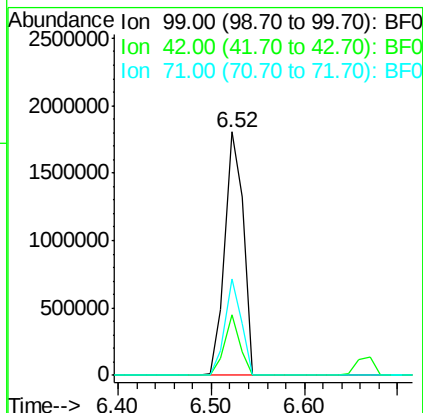
Tgt Ion: 99 Resp: 2493007

Ion Ratio Lower Upper

99 100

42 25.0 12.8 19.2#

71 39.8 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 12.32 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.14 min

Lab File: BF084193.D

Acq: 31 Dec 2015 14:29

Tgt Ion: 70 Resp: 204992

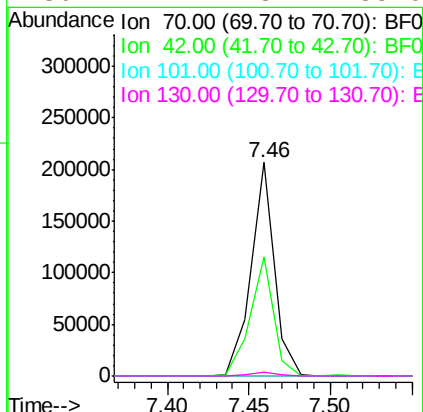
Ion Ratio Lower Upper

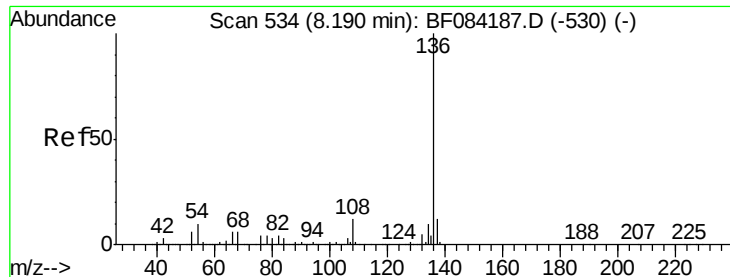
70 100

42 55.7 33.3 49.9#

101 0.0 9.3 13.9#

130 2.1 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 534

Delta R.T. 0.00 min

Lab File: BF084193.D

Acq: 31 Dec 2015 14:29

Instrument :

BNA_F

ClientSampleId :

PB87601BL

Tgt Ion:136 Resp: 1269425

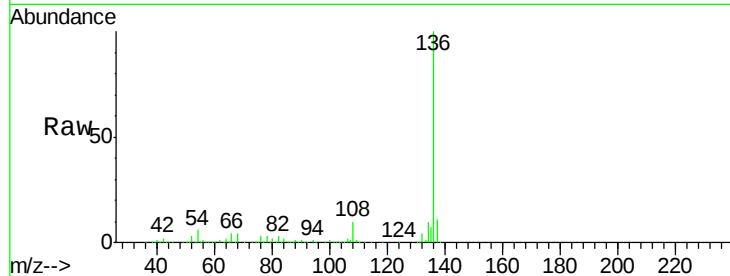
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 6.3 5.8 8.8

68 3.9 4.2 6.2#

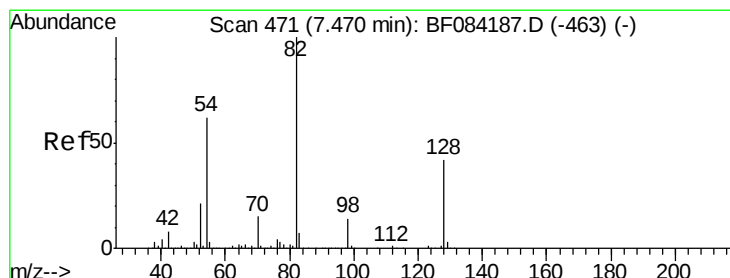
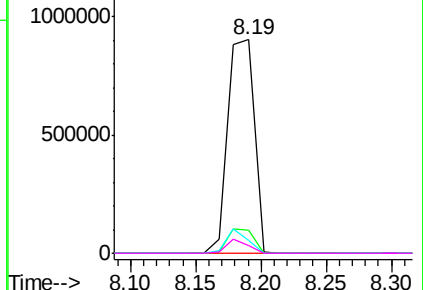
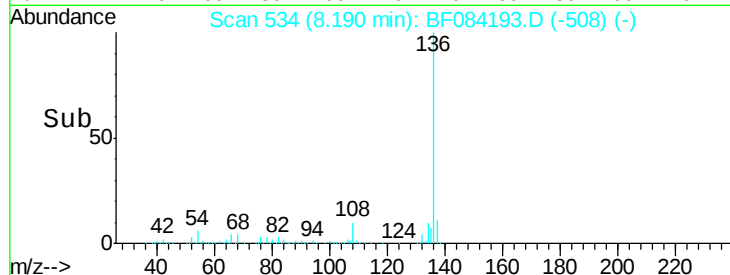


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.32 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF084193.D

Acq: 31 Dec 2015 14:29

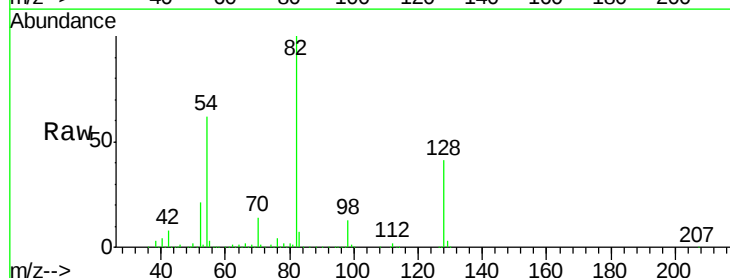
Tgt Ion: 82 Resp: 1489805

Ion Ratio Lower Upper

82 100

128 41.4 34.6 51.8

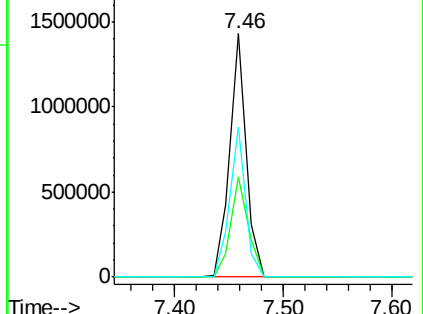
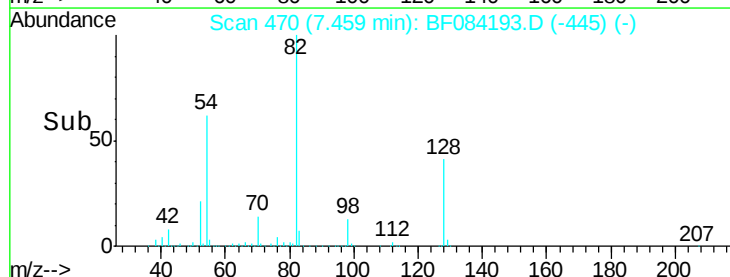
54 61.8 38.4 57.6#

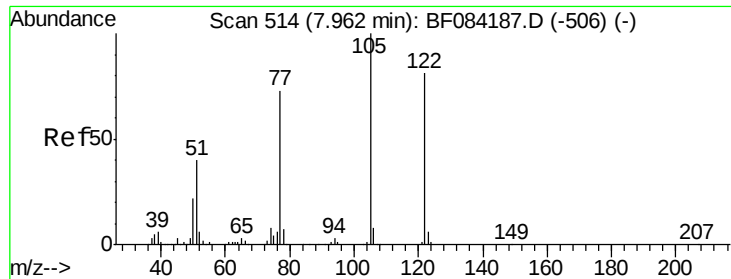


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 6.27 ng

RT: 7.86 min Scan# 505

Delta R.T. -0.10 min

Lab File: BF084193.D

Acq: 31 Dec 2015 14:29

Instrument :

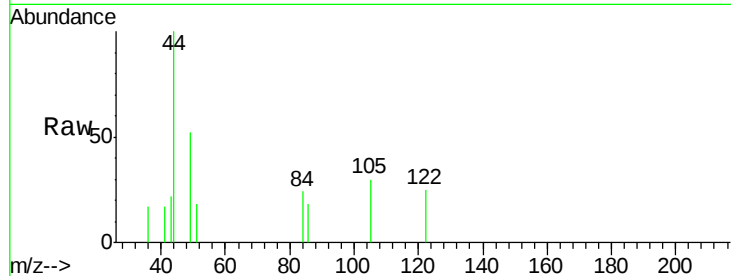
BNA_F

ClientSampleId :

PB87601BL

Tgt Ion:122 Resp: 314

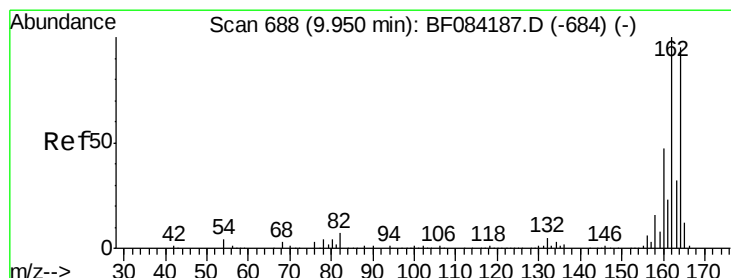
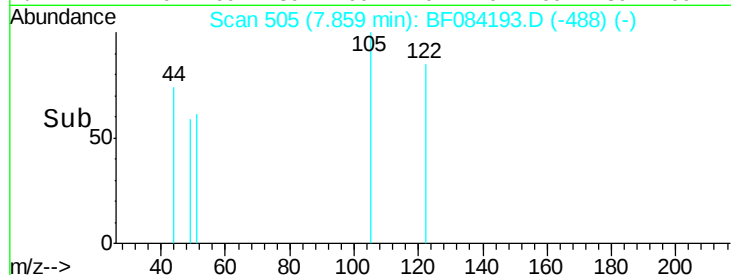
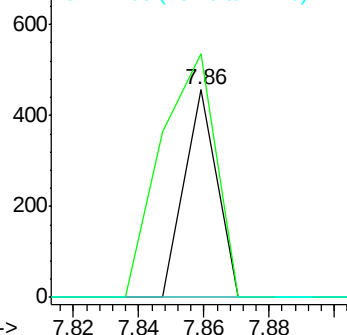
Ion	Ratio	Lower	Upper
122	100		
105	117.3	100.3	140.3
77	0.0	63.5	103.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 687

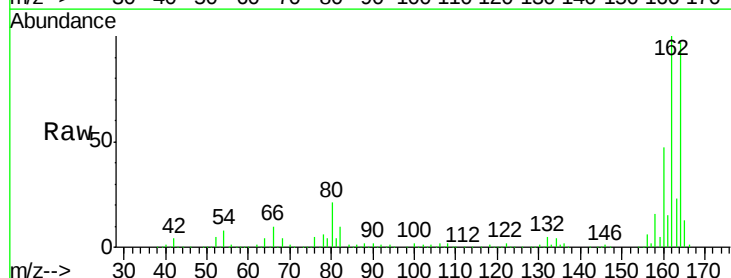
Delta R.T. -0.01 min

Lab File: BF084193.D

Acq: 31 Dec 2015 14:29

Tgt Ion:164 Resp: 611563

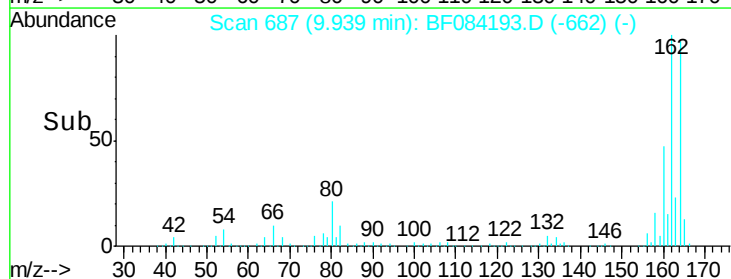
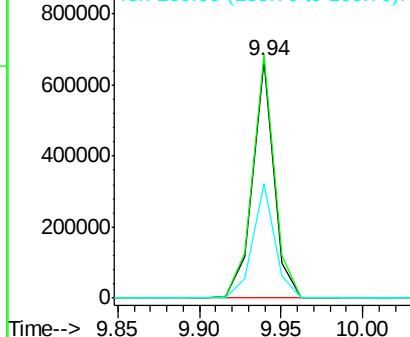
Ion	Ratio	Lower	Upper
164	100		
162	102.6	85.1	127.7
160	48.2	37.5	56.3



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

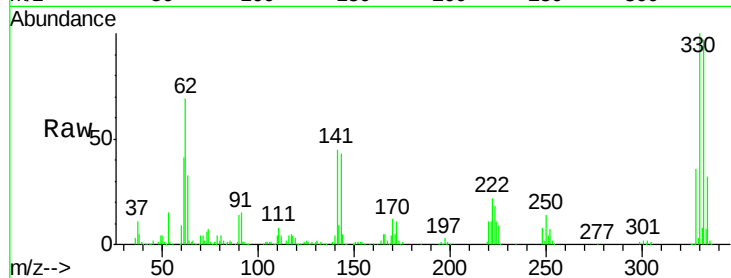




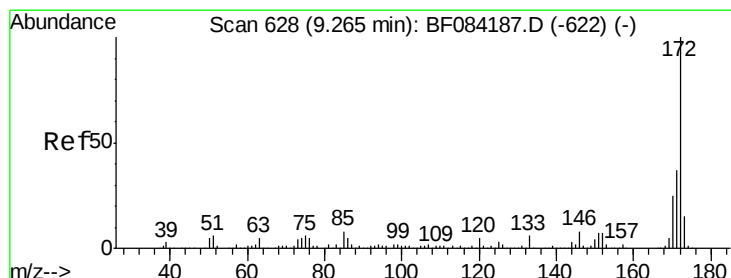
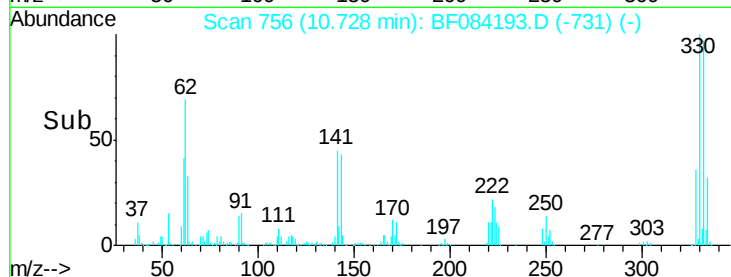
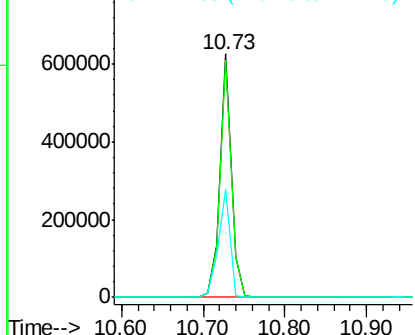
#41
 2,4,6-Tribromophenol
 Concen: 98.09 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF084193.D
 Acq: 31 Dec 2015 14:29

Instrument :
 BNA_F
 ClientSampleId :
 PB87601BL

Tgt Ion:330 Resp: 605609
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.6 114.8
 141 45.9 27.8 41.6#

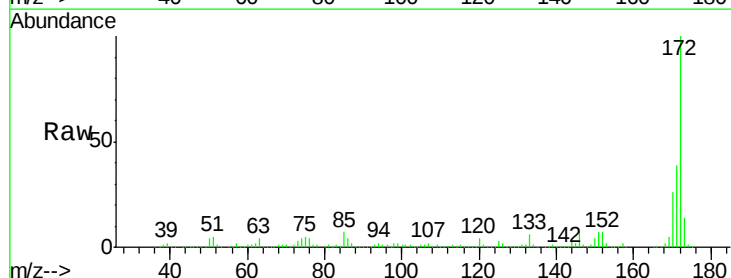


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

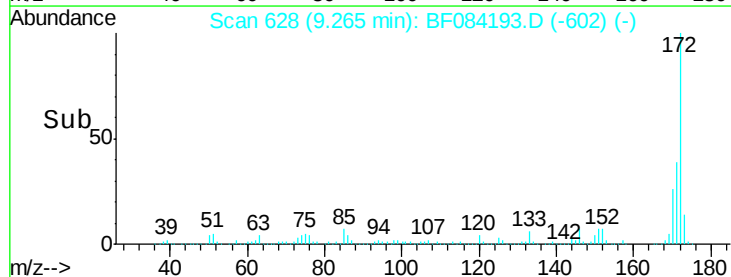
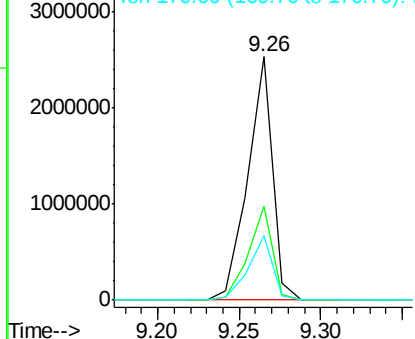


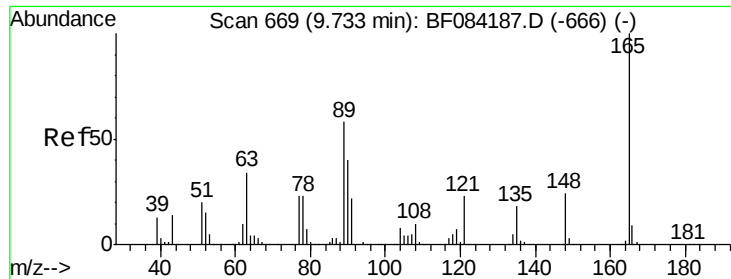
#44
 2-Fluorobiphenyl
 Concen: 75.71 ng
 RT: 9.26 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF084193.D
 Acq: 31 Dec 2015 14:29

Tgt Ion:172 Resp: 2655906
 Ion Ratio Lower Upper
 172 100
 171 38.5 28.9 43.3
 170 26.2 18.6 27.8



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

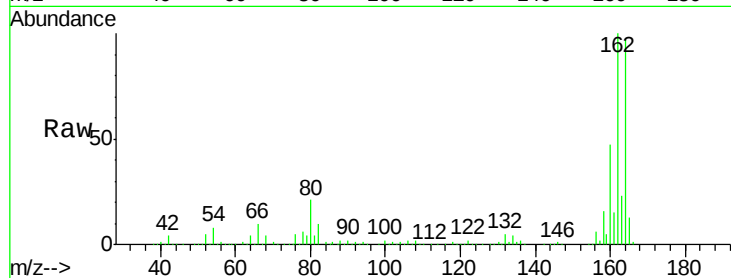




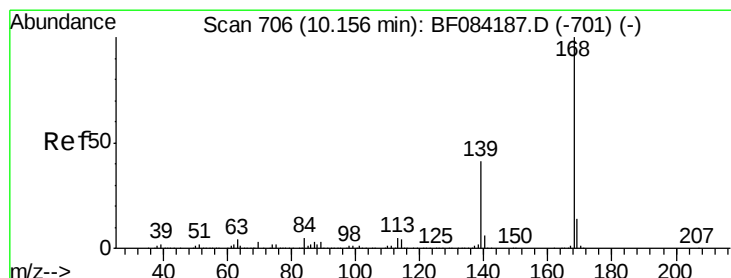
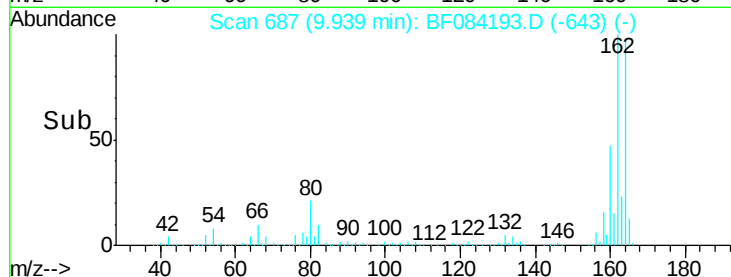
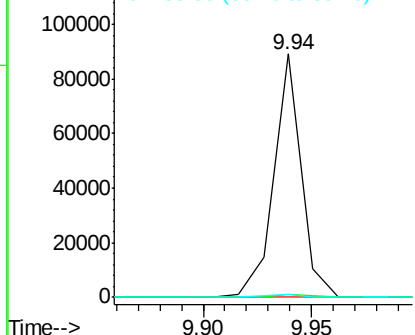
#50
2,6-Dinitrotoluene
Concen: 8.25 ng
RT: 9.94 min Scan# 687
Delta R.T. 0.21 min
Lab File: BF084193.D
Acq: 31 Dec 2015 14:29

Instrument :
BNA_F
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PB87601BL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	28.8	43.2#
89	1.4	35.1	52.7#

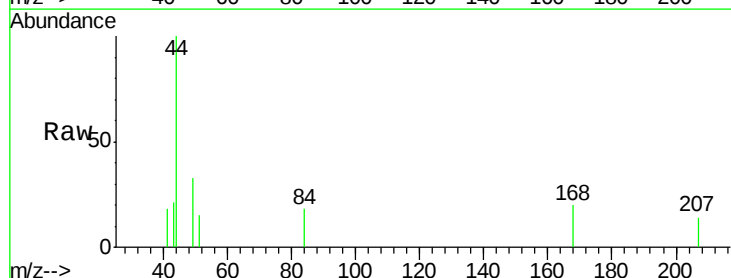


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

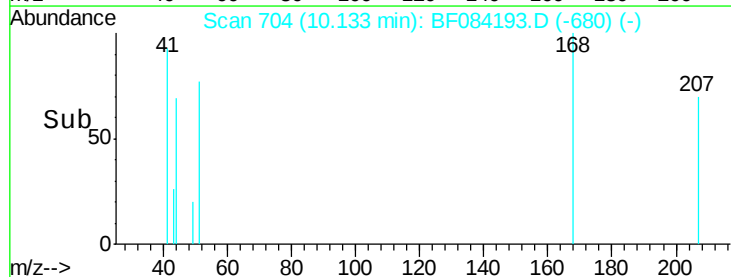
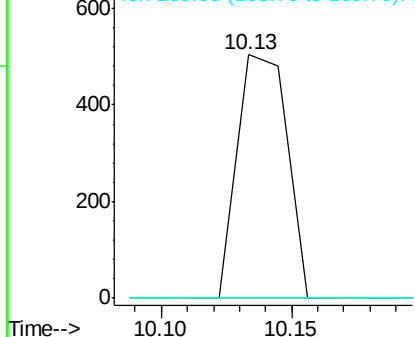


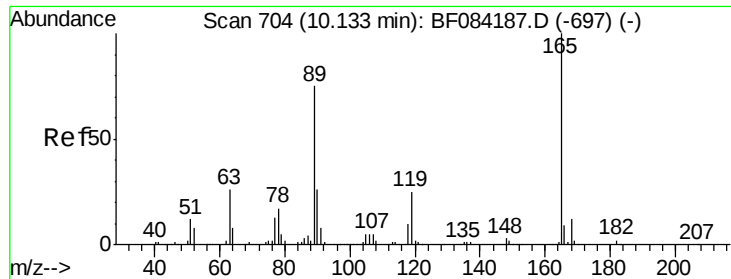
#54
Dibenzofuran
Concen: Below Cal
RT: 10.13 min Scan# 704
Delta R.T. -0.02 min
Lab File: BF084193.D
Acq: 31 Dec 2015 14:29

Tgt Ion	Ratio	Lower	Upper
168	100		
139	0.0	30.5	45.7#
169	0.0	10.4	15.6#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

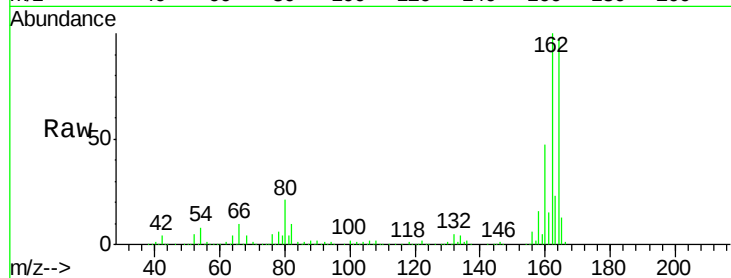




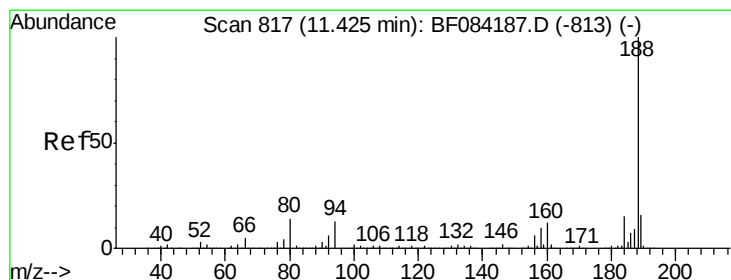
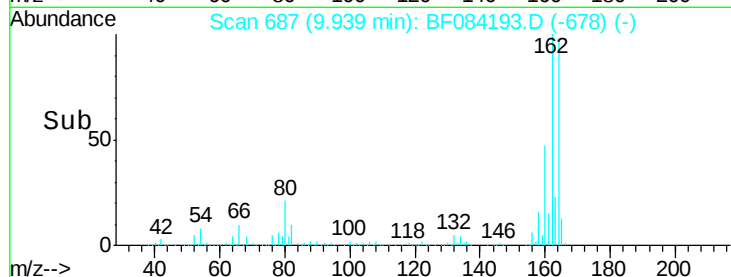
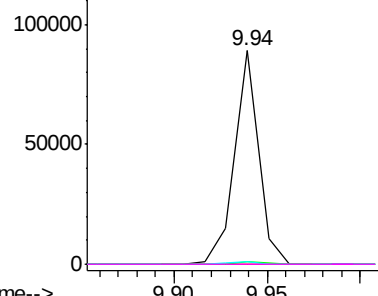
#56
 2,4-Dinitrotoluene
 Concen: 6.52 ng
 RT: 9.94 min Scan# 687
 Delta R.T. -0.19 min
 Lab File: BF084193.D
 Acq: 31 Dec 2015 14:29

Instrument :
 BNA_F
 ClientSampleId :
 PB87601BL

Tgt Ion:165 Resp: 79108
 Ion Ratio Lower Upper
 165 100
 63 1.4 36.7 55.1#
 89 1.4 61.9 92.9#
 182 0.0 2.0 3.0#

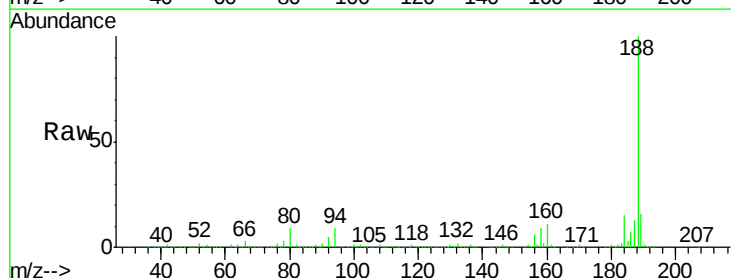


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

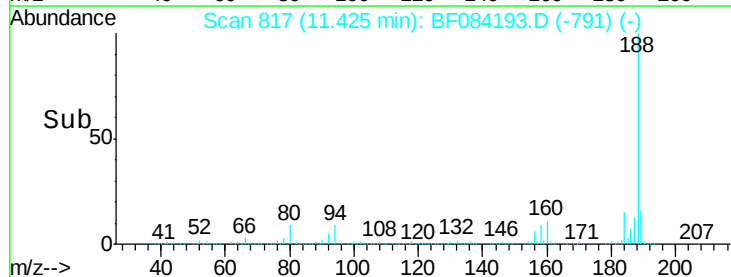
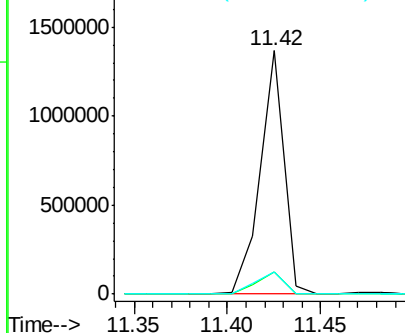


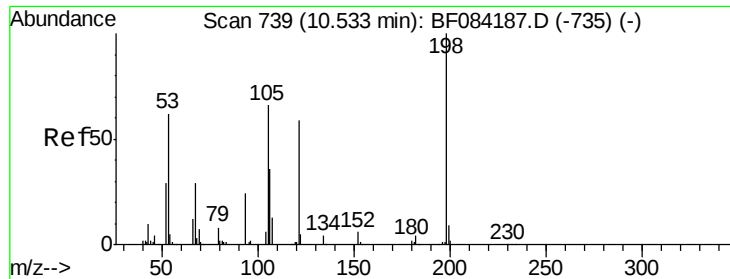
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.42 min Scan# 817
 Delta R.T. 0.00 min
 Lab File: BF084193.D
 Acq: 31 Dec 2015 14:29

Tgt Ion:188 Resp: 1203586
 Ion Ratio Lower Upper
 188 100
 94 8.9 9.0 13.4#
 80 9.3 9.6 14.4#



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

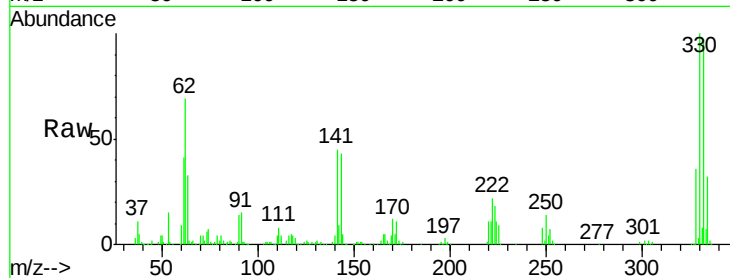




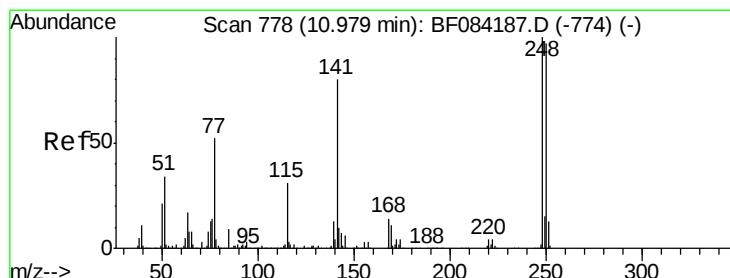
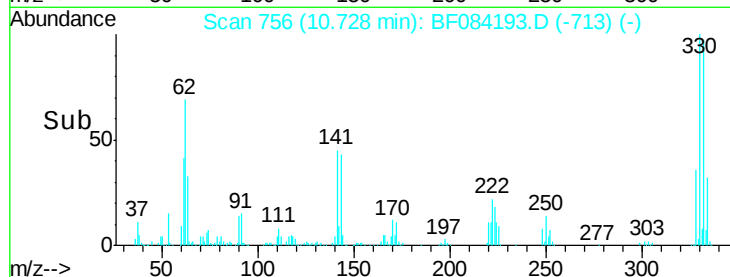
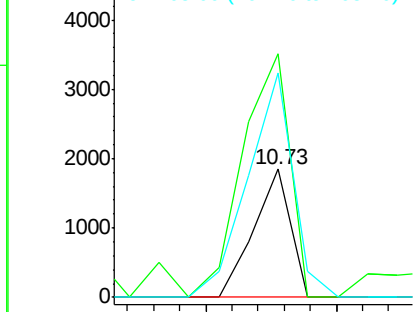
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.61 ng
 RT: 10.73 min Scan# 756
 Delta R.T. 0.19 min
 Lab File: BF084193.D
 Acq: 31 Dec 2015 14:29

Instrument :
 BNA_F
 ClientSampleId :
 PB87601BL

Tgt Ion:198 Resp: 1814
 Ion Ratio Lower Upper
 198 100
 51 189.7 18.9 58.9#
 105 175.0 26.4 66.4#

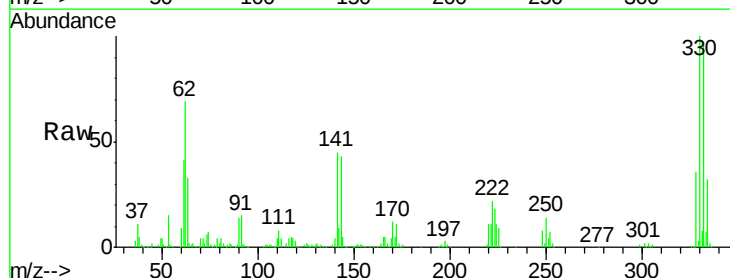


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

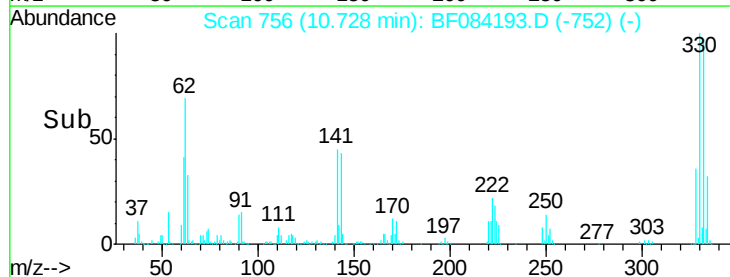
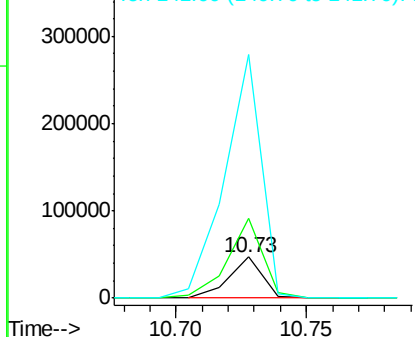


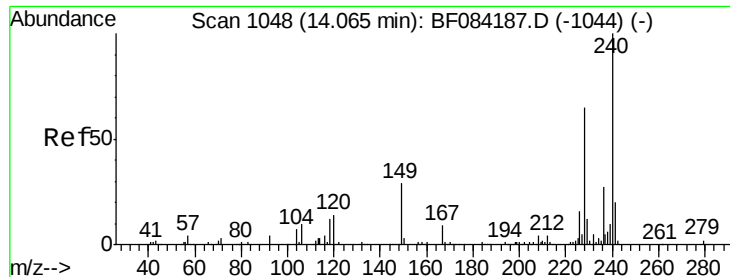
#66
 4-Bromophenyl-phenylether
 Concen: 3.27 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.25 min
 Lab File: BF084193.D
 Acq: 31 Dec 2015 14:29

Tgt Ion:248 Resp: 42377
 Ion Ratio Lower Upper
 248 100
 250 193.1 78.4 117.6#
 141 593.5 44.0 66.0#



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. -0.01 min

Lab File: BF084193.D

Acq: 31 Dec 2015 14:29

Instrument :

BNA_F

ClientSampleId :

PB87601BL

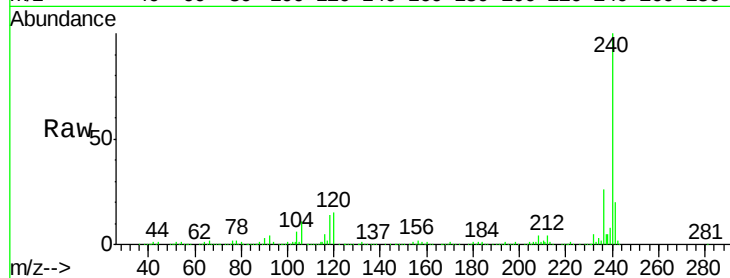
Tgt Ion:240 Resp: 981404

Ion Ratio Lower Upper

240 100

120 15.1 9.5 14.3#

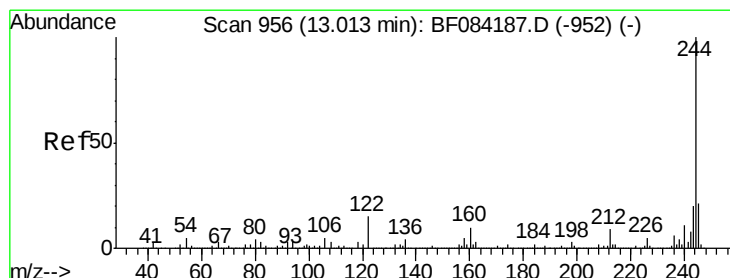
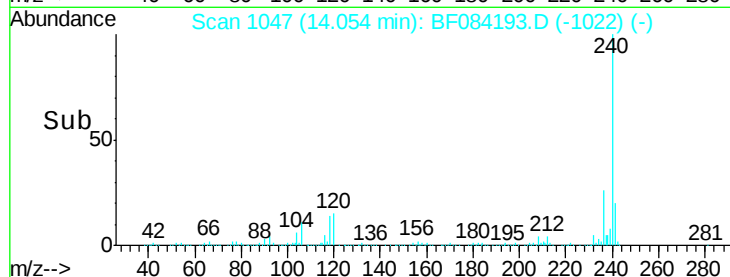
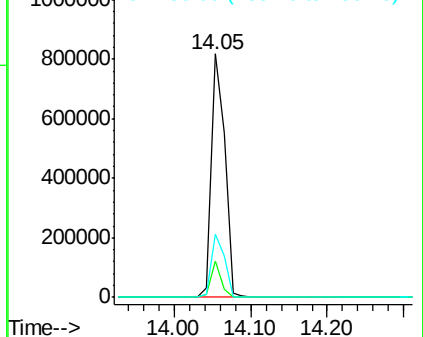
236 25.9 20.6 31.0



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: 58.48 ng

RT: 13.01 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF084193.D

Acq: 31 Dec 2015 14:29

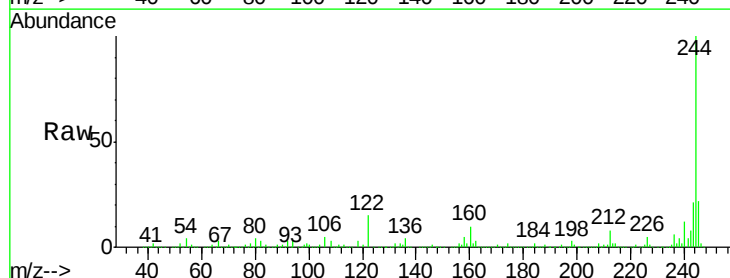
Tgt Ion:244 Resp: 2571114

Ion Ratio Lower Upper

244 100

212 8.5 5.7 8.5

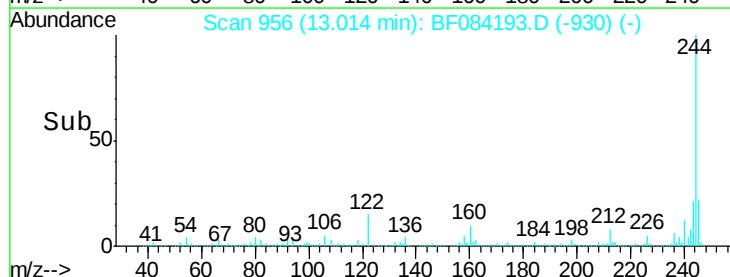
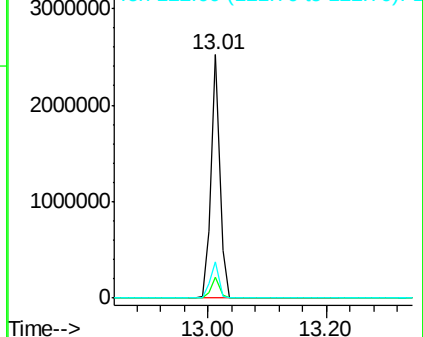
122 14.7 7.4 11.0#

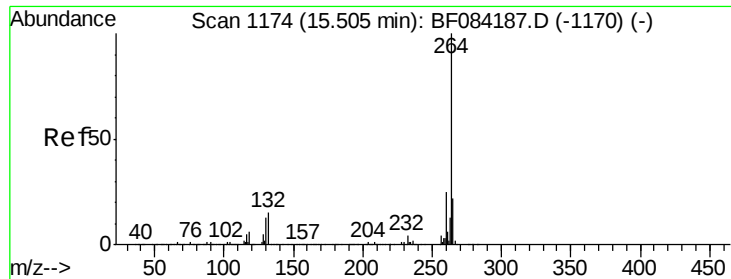


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.49 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BF084193.D
Acq: 31 Dec 2015 14:29

Instrument :
BNA_F
ClientSampleId :
PB87601BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.2
265	22.4	17.8	26.6

