

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010716\
 Data File : BF084305.D
 Acq On : 7 Jan 2016 15:11
 Operator : SJ/UM
 Sample : PB87680BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB87680BL

Quant Time: Jan 08 00:01:29 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

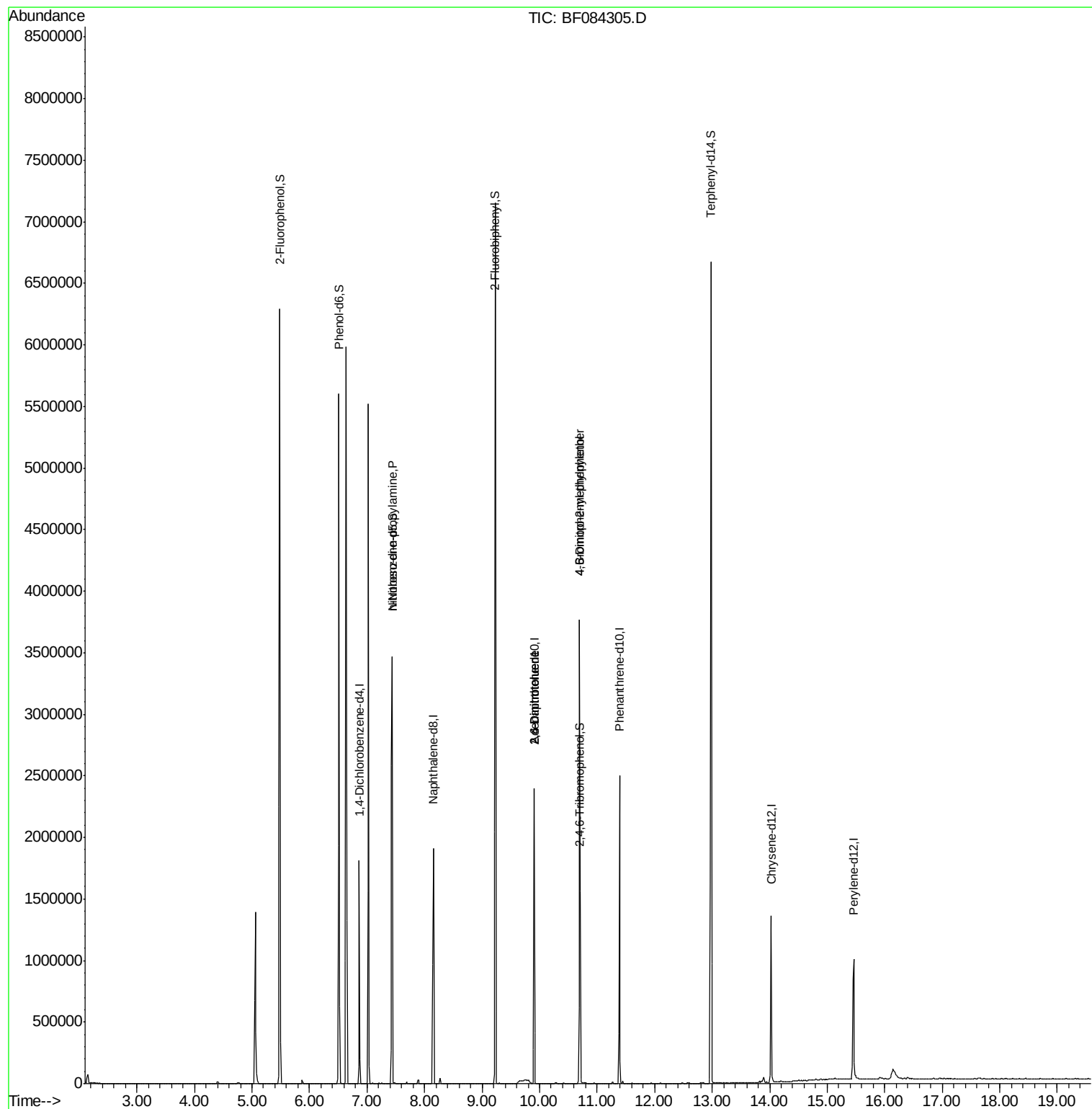
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	230427	20.00	ng	-0.03
21) Naphthalene-d8	8.16	136	982839	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	439875	20.00	ng	-0.05
63) Phenanthrene-d10	11.39	188	829325	20.00	ng	-0.03
75) Chrysene-d12	14.03	240	688377	20.00	ng	-0.03
86) Perylene-d12	15.46	264	522868	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1593974	111.89	ng	-0.01
7) Phenol-d6	6.51	99	1874716	104.78	ng	-0.02
23) Nitrobenzene-d5	7.44	82	1438784	81.47	ng	-0.03
41) 2,4,6-Tribromophenol	10.70	330	517711	116.58	ng	-0.03
44) 2-Fluorobiphenyl	9.23	172	2110895	84.37	ng	-0.03
78) Terphenyl-d14	12.98	244	1988737	64.49	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	199731	16.49	ng	# 74
50) 2,6-Dinitrotoluene	9.90	165	57976	8.41	ng	# 37
56) 2,4-Dinitrotoluene	9.90	165	57979	6.64	ng	# 21
57) Fluorene	10.69	166	18635	Below Cal	#	83
64) 4,6-Dinitro-2-methylphenol	10.69	198	1012	6.57	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	30926	3.46	ng	# 1
73) Di-n-butylphthalate	11.95	149	1924	Below Cal	#	79

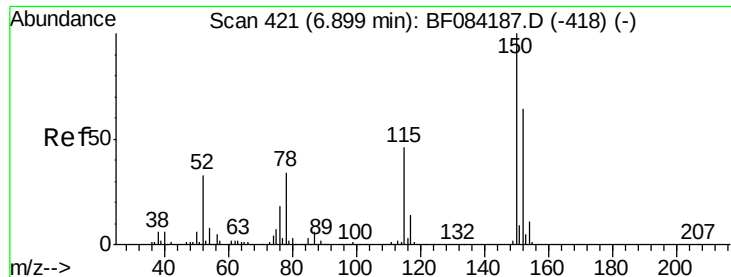
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration



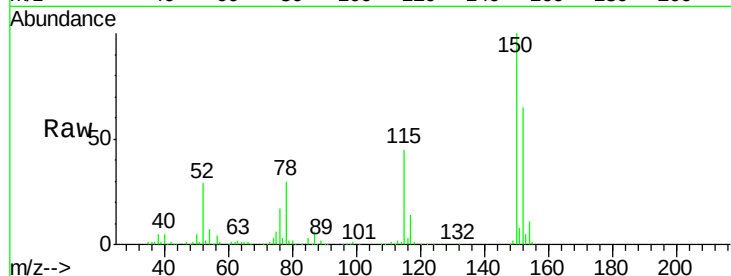


#1

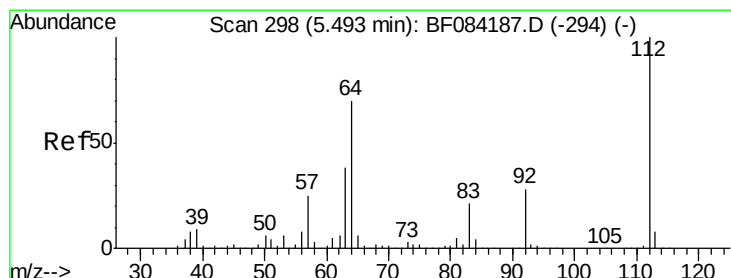
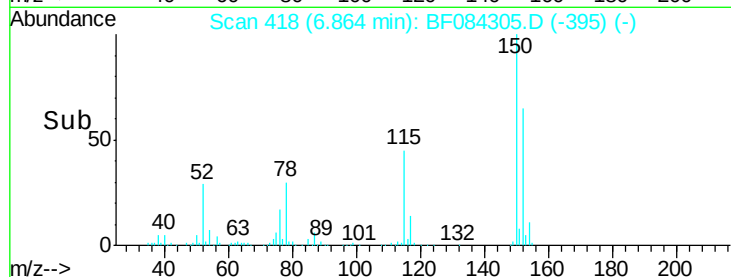
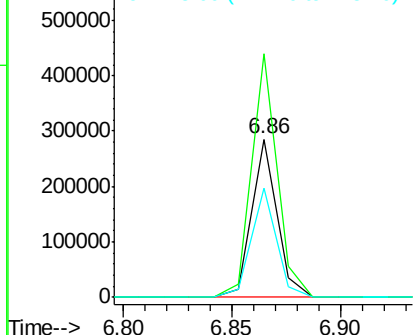
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 418
Delta R.T. -0.03 min
Lab File: BF084305.D
Acq: 7 Jan 2016 15:11

Instrument :
BNA_F
ClientSampleId :
PB87680BL

Tgt Ion:152 Resp: 230427
Ion Ratio Lower Upper
152 100
150 154.2 123.0 184.4
115 68.9 51.4 77.2



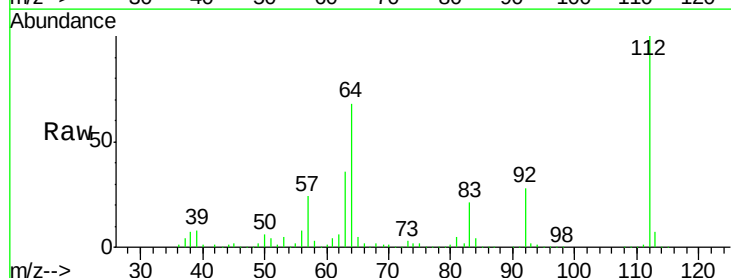
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



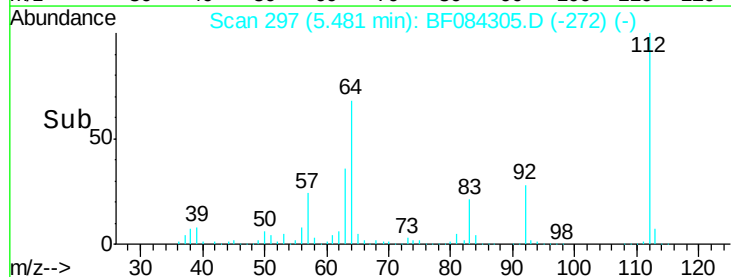
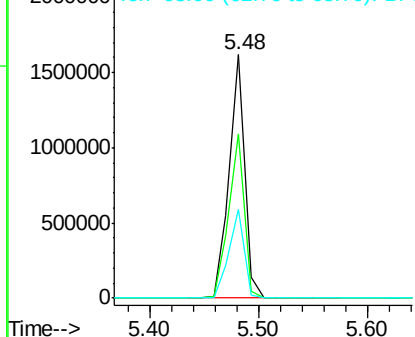
#5

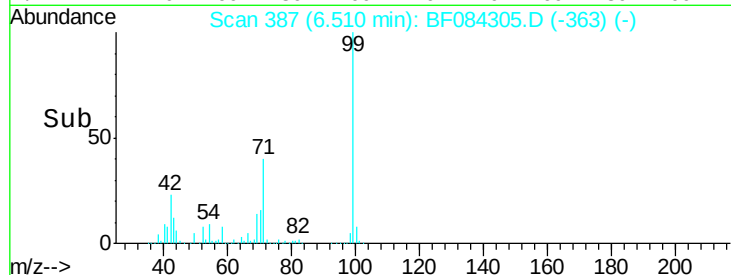
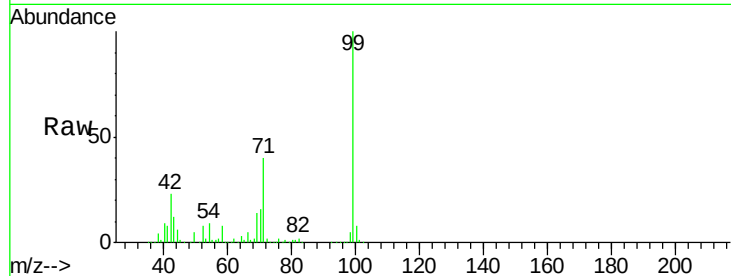
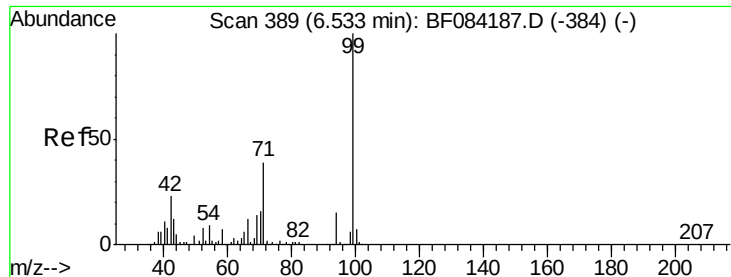
2-Fluorophenol
Concen: 111.89 ng
RT: 5.48 min Scan# 297
Delta R.T. -0.01 min
Lab File: BF084305.D
Acq: 7 Jan 2016 15:11

Tgt Ion:112 Resp: 1593974
Ion Ratio Lower Upper
112 100
64 67.7 36.6 55.0#
63 36.3 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: 104.78 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF084305.D

Acq: 7 Jan 2016 15:11

Instrument :

BNA_F

ClientSampleId :

PB87680BL

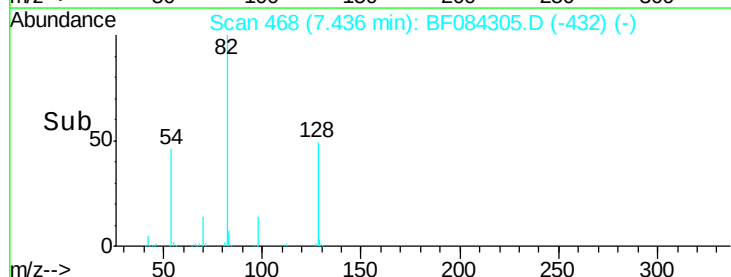
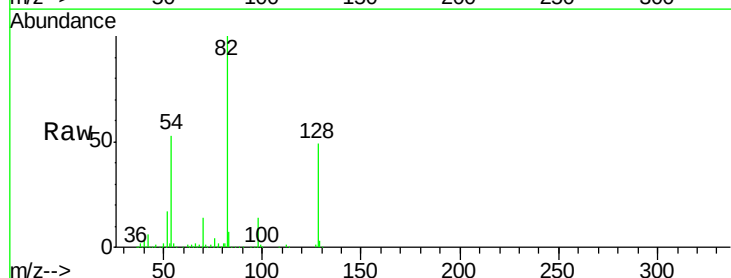
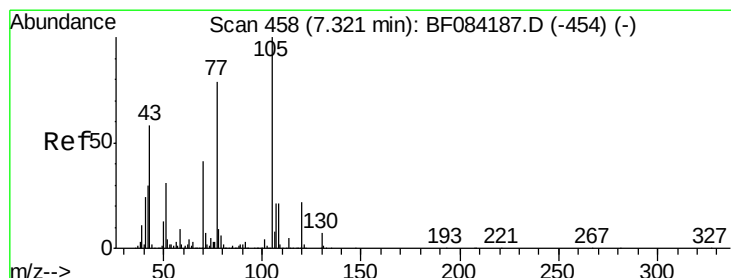
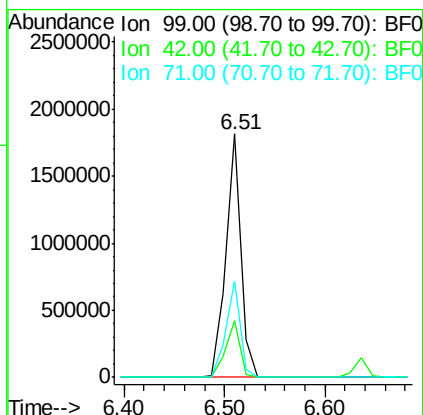
Tgt Ion: 99 Resp: 1874716

Ion Ratio Lower Upper

99 100

42 23.0 12.8 19.2#

71 39.7 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.49 ng

RT: 7.44 min Scan# 468

Delta R.T. 0.11 min

Lab File: BF084305.D

Acq: 7 Jan 2016 15:11

Tgt Ion: 70 Resp: 199731

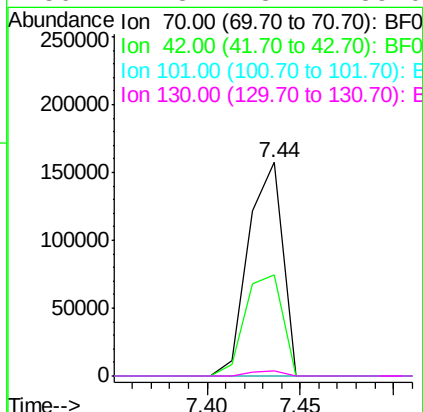
Ion Ratio Lower Upper

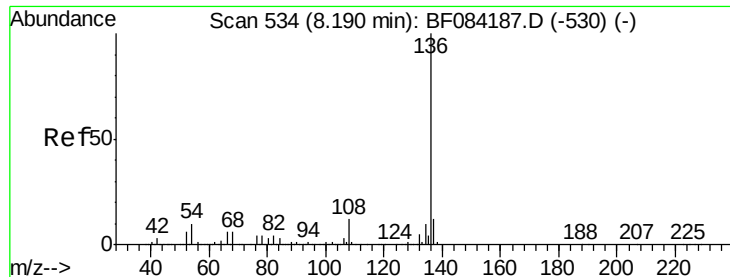
70 100

42 47.1 33.3 49.9

101 0.0 9.3 13.9#

130 2.3 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.03 min

Lab File: BF084305.D

Acq: 7 Jan 2016 15:11

Instrument :

BNA_F

ClientSampleId :

PB87680BL

Tgt Ion:136 Resp: 982839

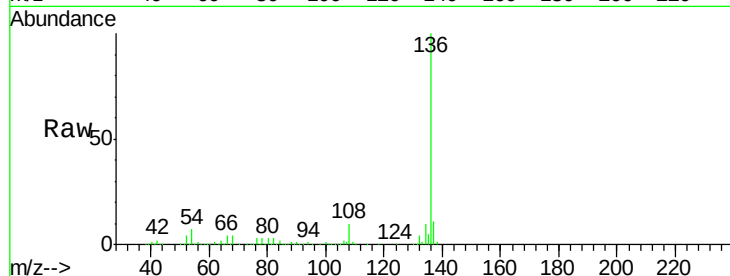
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 7.3 5.8 8.8

68 4.2 4.2 6.2

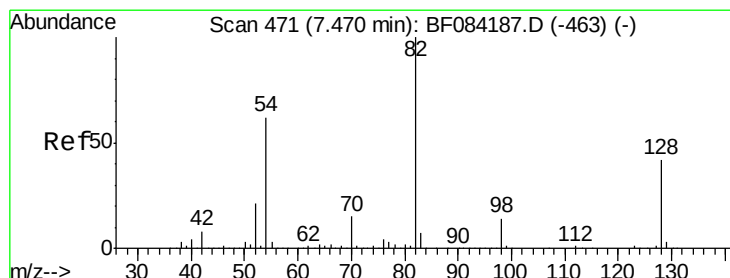
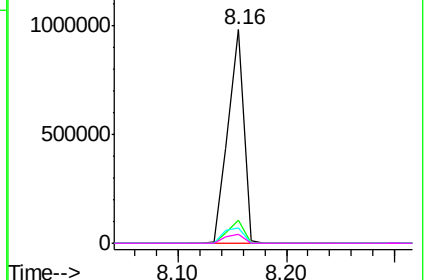
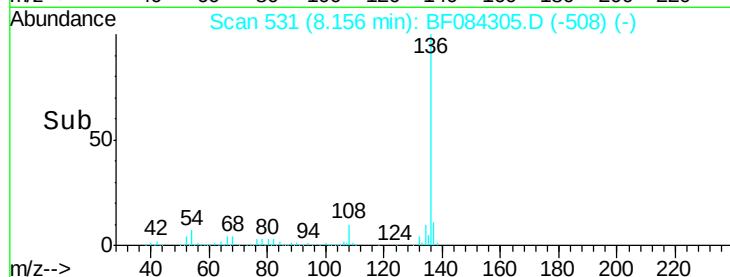


Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.47 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.03 min

Lab File: BF084305.D

Acq: 7 Jan 2016 15:11

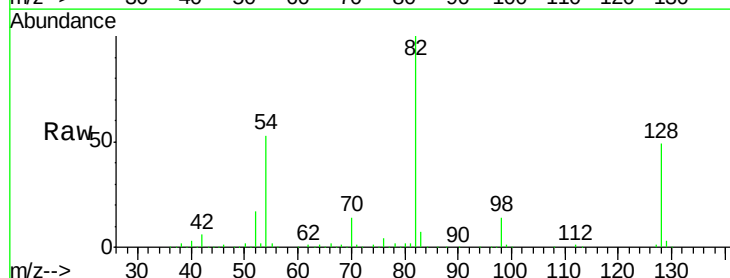
Tgt Ion: 82 Resp: 1438784

Ion Ratio Lower Upper

82 100

128 49.1 34.6 51.8

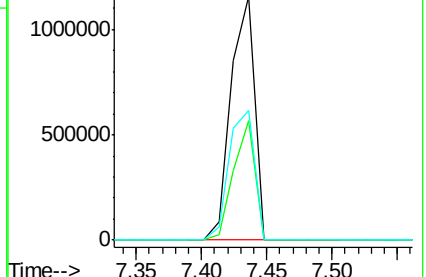
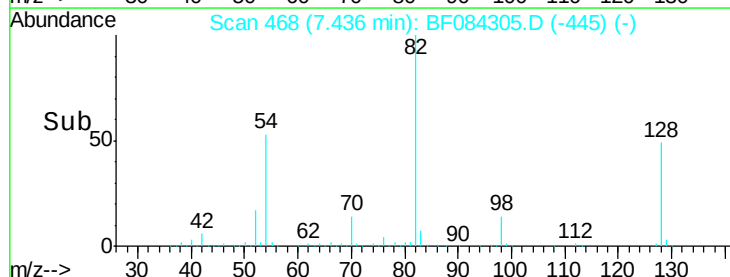
54 53.3 38.4 57.6

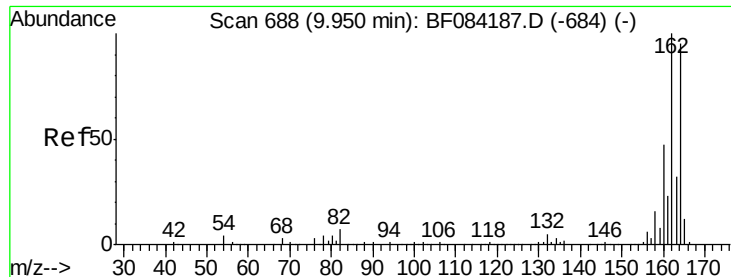


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.05 min

Lab File: BF084305.D

Acq: 7 Jan 2016 15:11

Instrument :

BNA_F

ClientSampleId :

PB87680BL

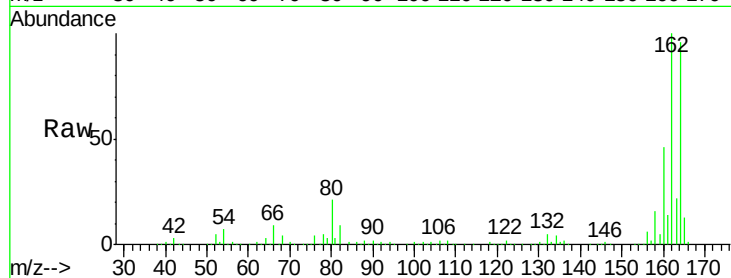
Tgt Ion:164 Resp: 439875

Ion Ratio Lower Upper

164 100

162 104.2 85.1 127.7

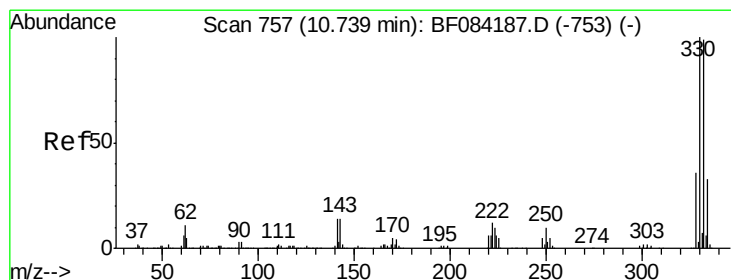
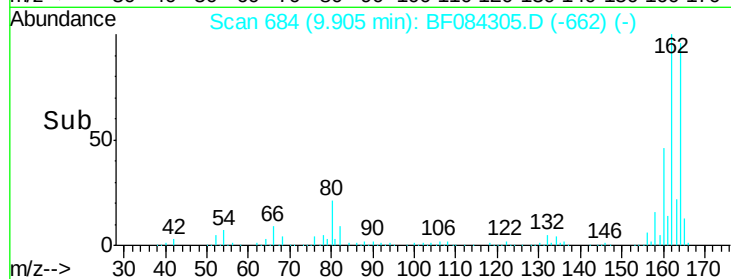
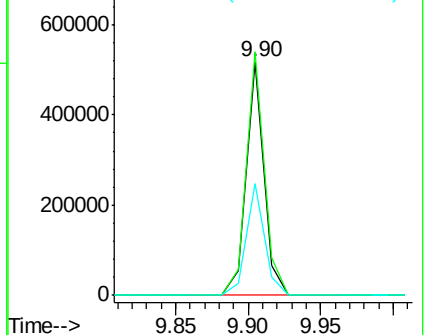
160 47.6 37.5 56.3



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: 116.58 ng

RT: 10.70 min Scan# 754

Delta R.T. -0.03 min

Lab File: BF084305.D

Acq: 7 Jan 2016 15:11

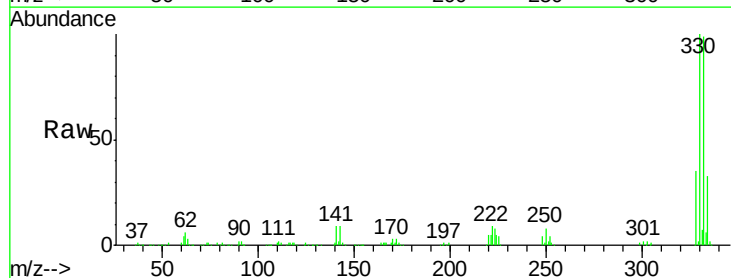
Tgt Ion:330 Resp: 517711

Ion Ratio Lower Upper

330 100

332 97.9 76.6 114.8

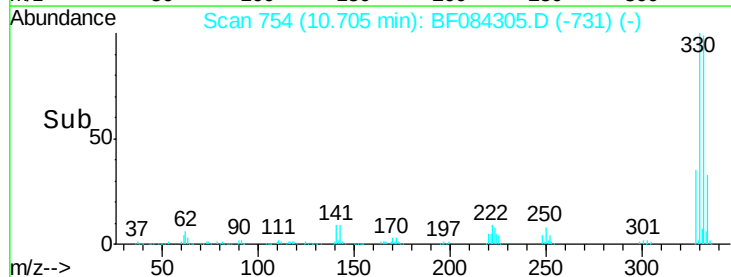
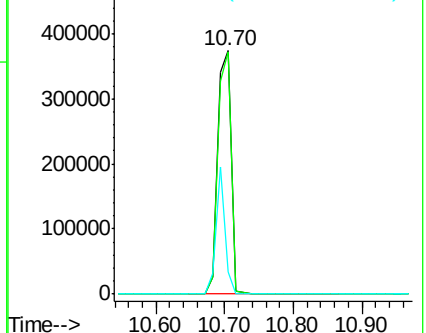
141 35.0 27.8 41.6

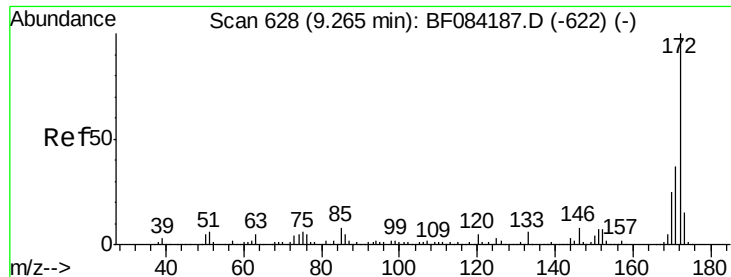


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

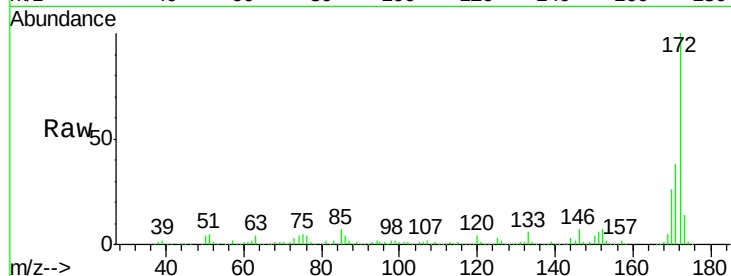




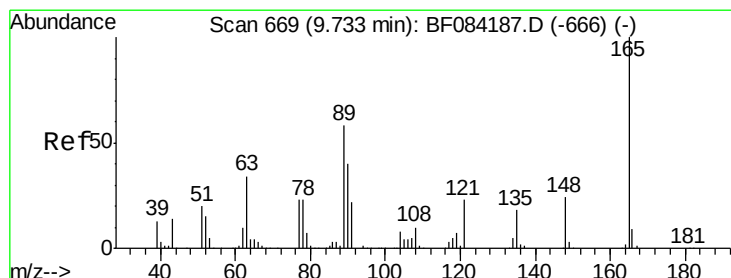
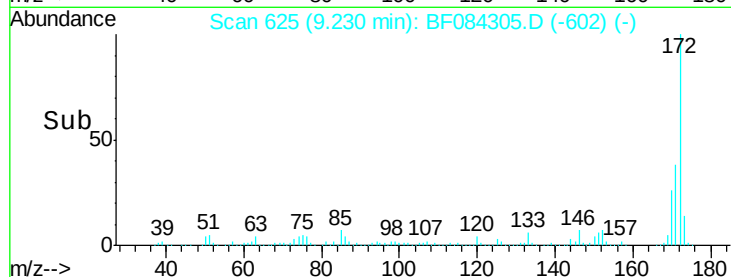
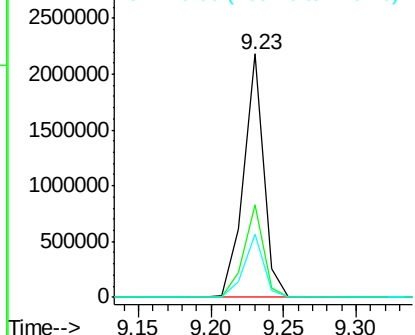
#44
 2-Fluorobiphenyl
 Concen: 84.37 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: BF084305.D
 Acq: 7 Jan 2016 15:11

Instrument :
 BNA_F
 ClientSampleId :
 PB87680BL

Tgt Ion:172 Resp: 2110895
 Ion Ratio Lower Upper
 172 100
 171 37.9 28.9 43.3
 170 26.0 18.6 27.8

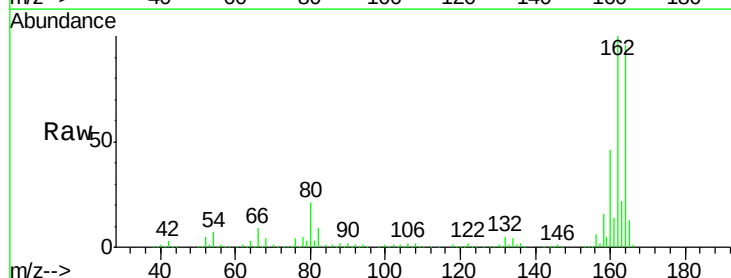


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

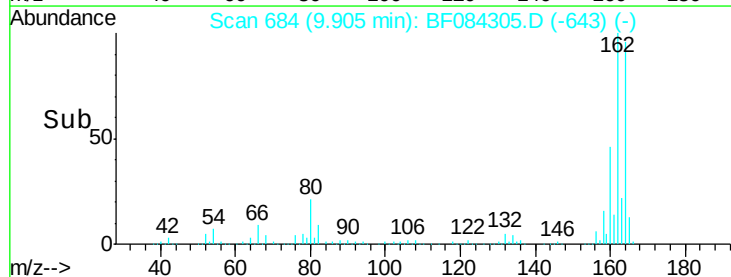
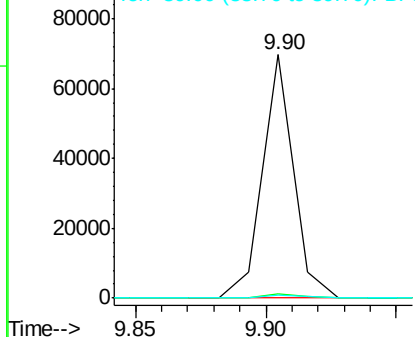


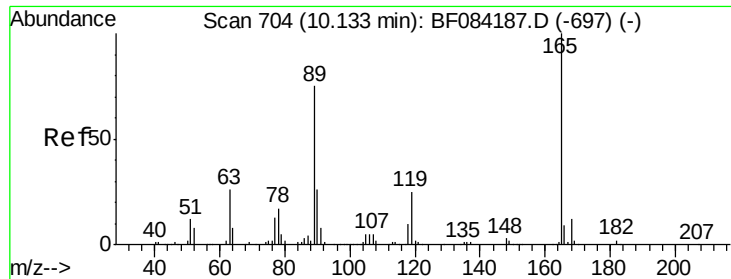
#50
 2,6-Dinitrotoluene
 Concen: 8.41 ng
 RT: 9.90 min Scan# 684
 Delta R.T. 0.17 min
 Lab File: BF084305.D
 Acq: 7 Jan 2016 15:11

Tgt Ion:165 Resp: 57976
 Ion Ratio Lower Upper
 165 100
 63 1.6 28.8 43.2#
 89 1.0 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

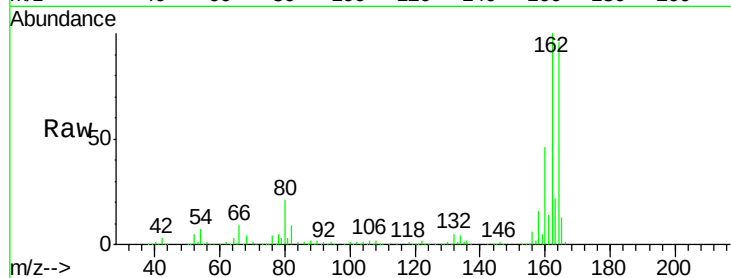




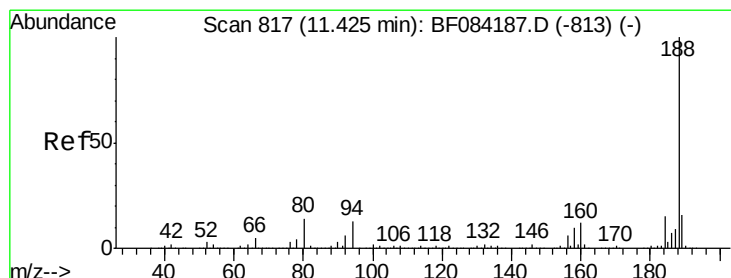
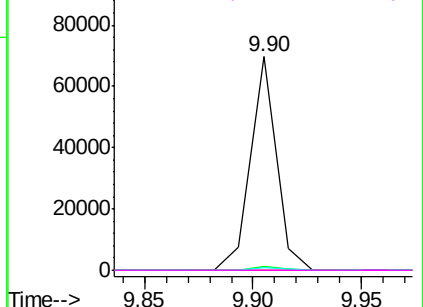
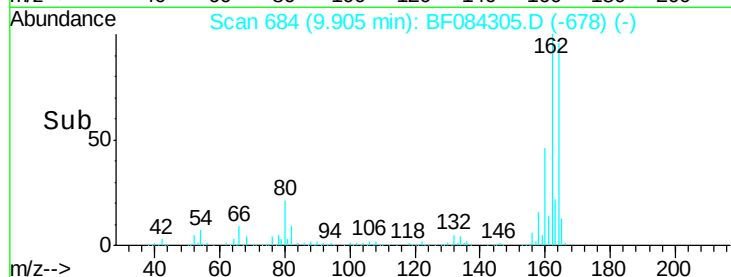
#56
 2,4-Dinitrotoluene
 Concen: 6.64 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.23 min
 Lab File: BF084305.D
 Acq: 7 Jan 2016 15:11

Instrument :
 BNA_F
 ClientSampleId :
 PB87680BL

Tgt Ion:165 Resp: 57979
 Ion Ratio Lower Upper
 165 100
 63 1.6 36.7 55.1#
 89 1.0 61.9 92.9#
 182 0.0 2.0 3.0#

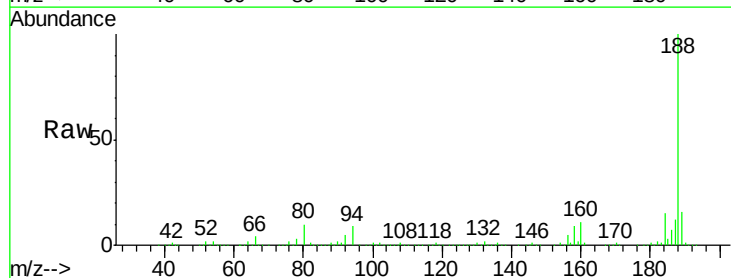


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

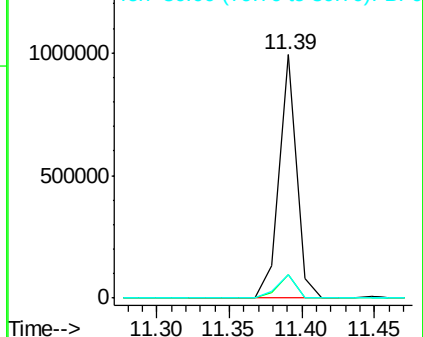
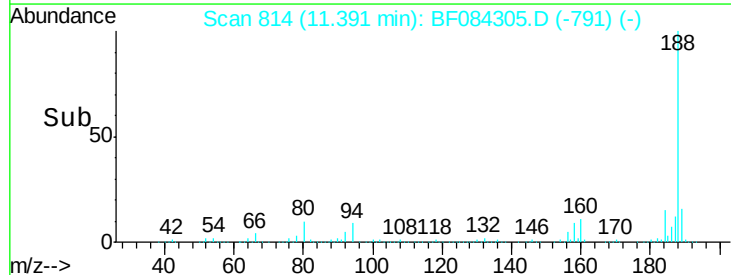


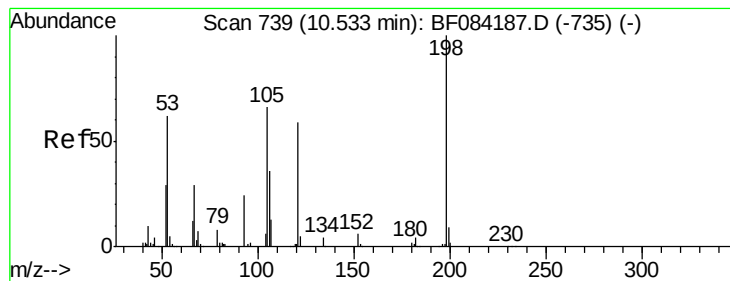
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.03 min
 Lab File: BF084305.D
 Acq: 7 Jan 2016 15:11

Tgt Ion:188 Resp: 829325
 Ion Ratio Lower Upper
 188 100
 94 9.4 9.0 13.4
 80 9.6 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: 6.57 ng

RT: 10.69 min Scan# 753

Delta R.T. 0.16 min

Lab File: BF084305.D

Acq: 7 Jan 2016 15:11

Instrument :

BNA_F

ClientSampleId :

PB87680BL

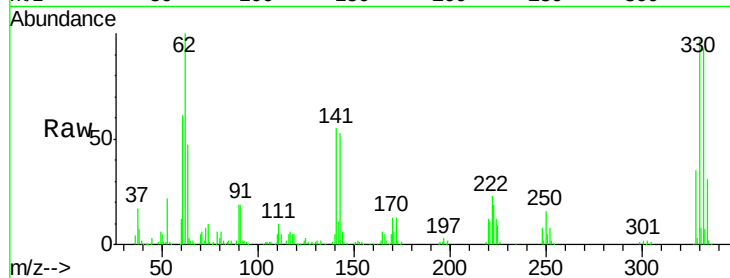
Tgt Ion:198 Resp: 1012

Ion Ratio Lower Upper

198 100

51 270.6 18.9 58.9#

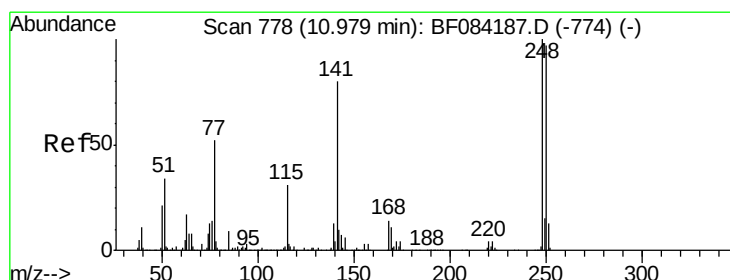
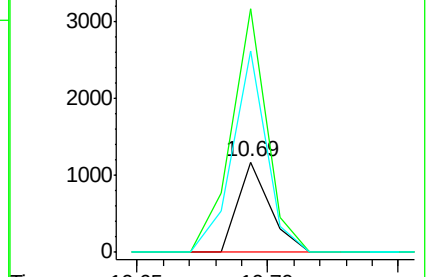
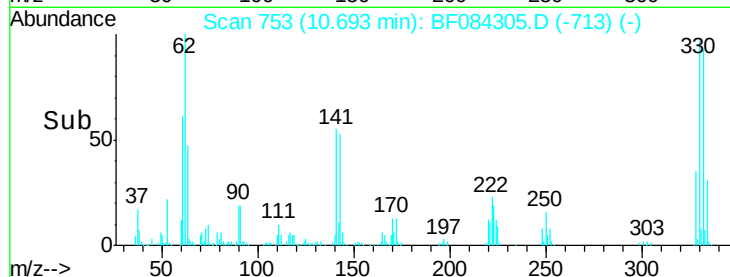
105 223.9 26.4 66.4#



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: 3.46 ng

RT: 10.69 min Scan# 753

Delta R.T. -0.29 min

Lab File: BF084305.D

Acq: 7 Jan 2016 15:11

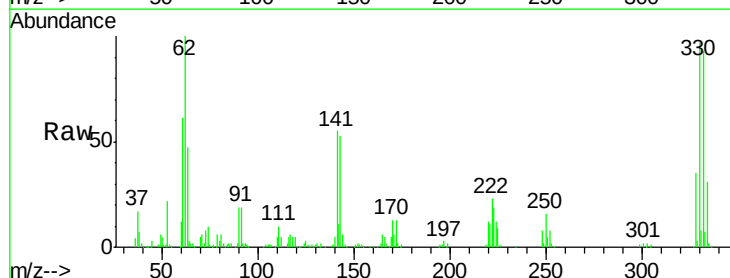
Tgt Ion:248 Resp: 30926

Ion Ratio Lower Upper

248 100

250 199.9 78.4 117.6#

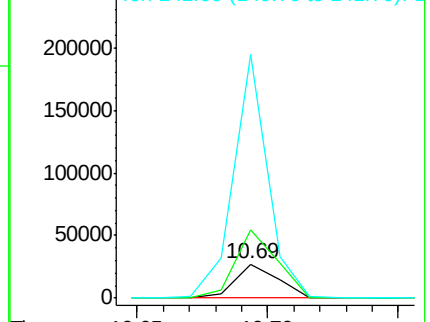
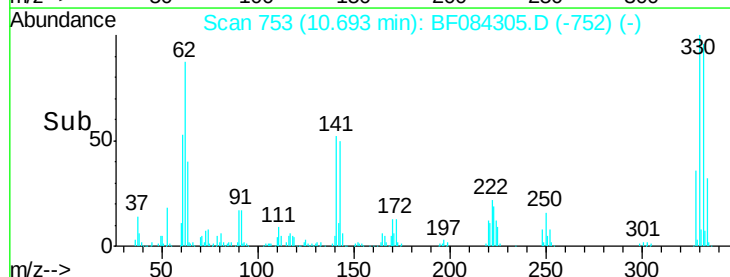
141 709.2 44.0 66.0#

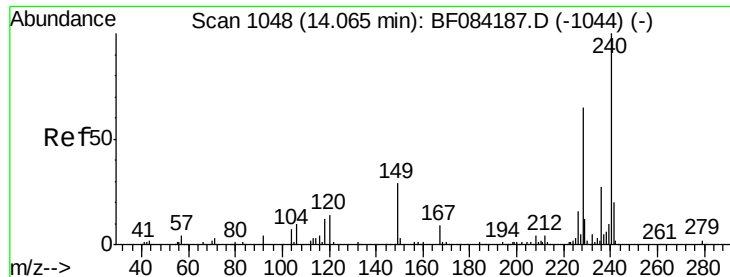


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.03 min Scan# 1045

Delta R.T. -0.03 min

Lab File: BF084305.D

Acq: 7 Jan 2016 15:11

Instrument :

BNA_F

ClientSampleId :

PB87680BL

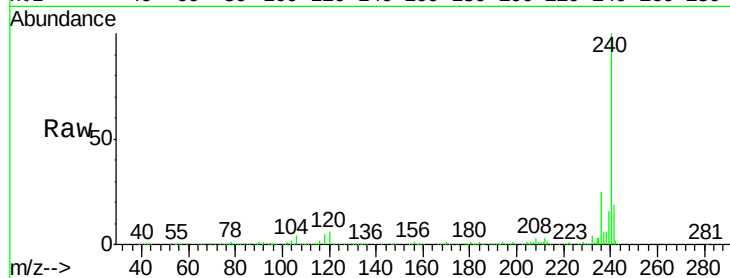
Tgt Ion:240 Resp: 688377

Ion Ratio Lower Upper

240 100

120 6.2 9.5 14.3#

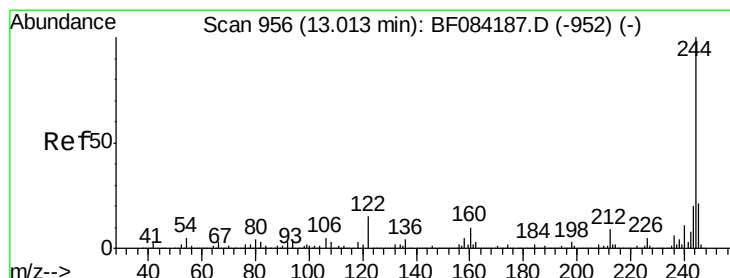
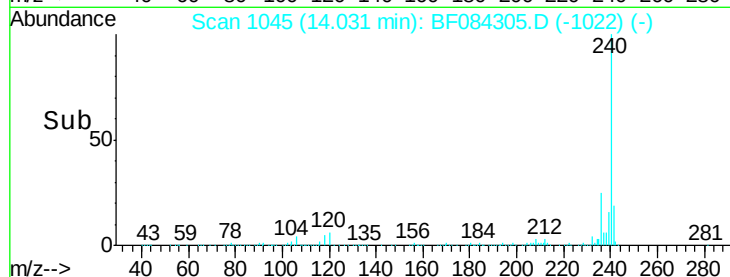
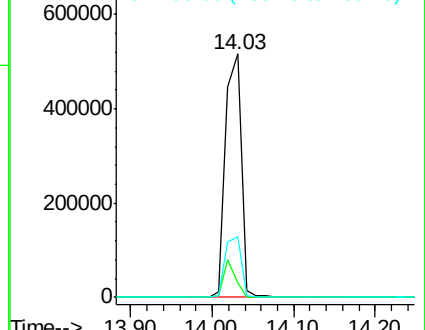
236 25.1 20.6 31.0



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: 64.49 ng

RT: 12.98 min Scan# 953

Delta R.T. -0.03 min

Lab File: BF084305.D

Acq: 7 Jan 2016 15:11

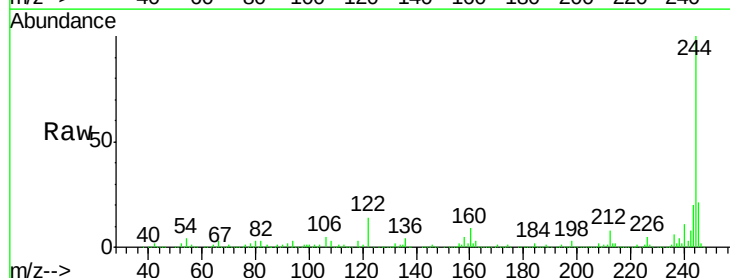
Tgt Ion:244 Resp: 1988737

Ion Ratio Lower Upper

244 100

212 8.3 5.7 8.5

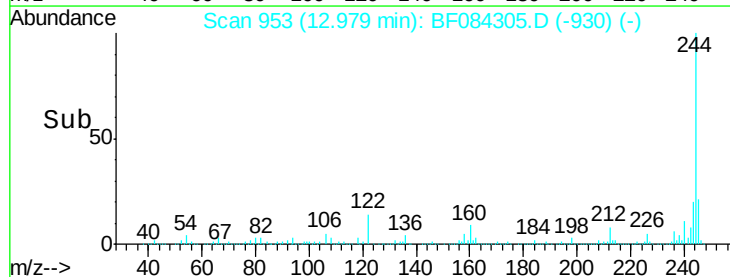
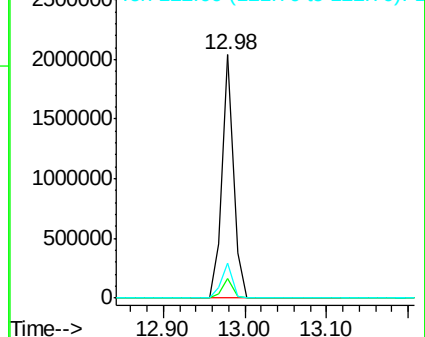
122 14.2 7.4 11.0#

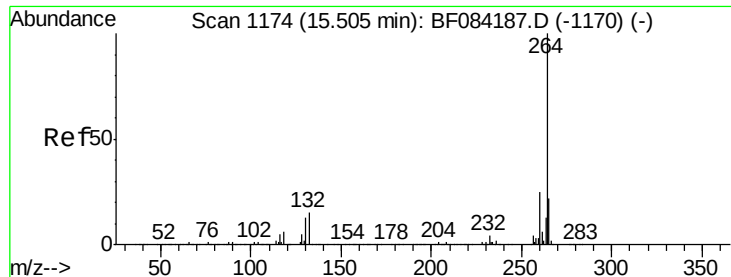


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.46 min Scan# 1170
Delta R.T. -0.05 min
Lab File: BF084305.D
Acq: 7 Jan 2016 15:11

Instrument :
BNA_F
ClientSampleId :
PB87680BL

Tgt Ion: 264 Resp: 522868
Ion Ratio Lower Upper
264 100
260 23.5 19.4 29.2
265 21.9 17.8 26.6

