

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010816\
 Data File : BF084331.D
 Acq On : 8 Jan 2016 16:46
 Operator : SJ/UM
 Sample : PB87699BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB87699BL

Quant Time: Jan 08 22:15:40 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

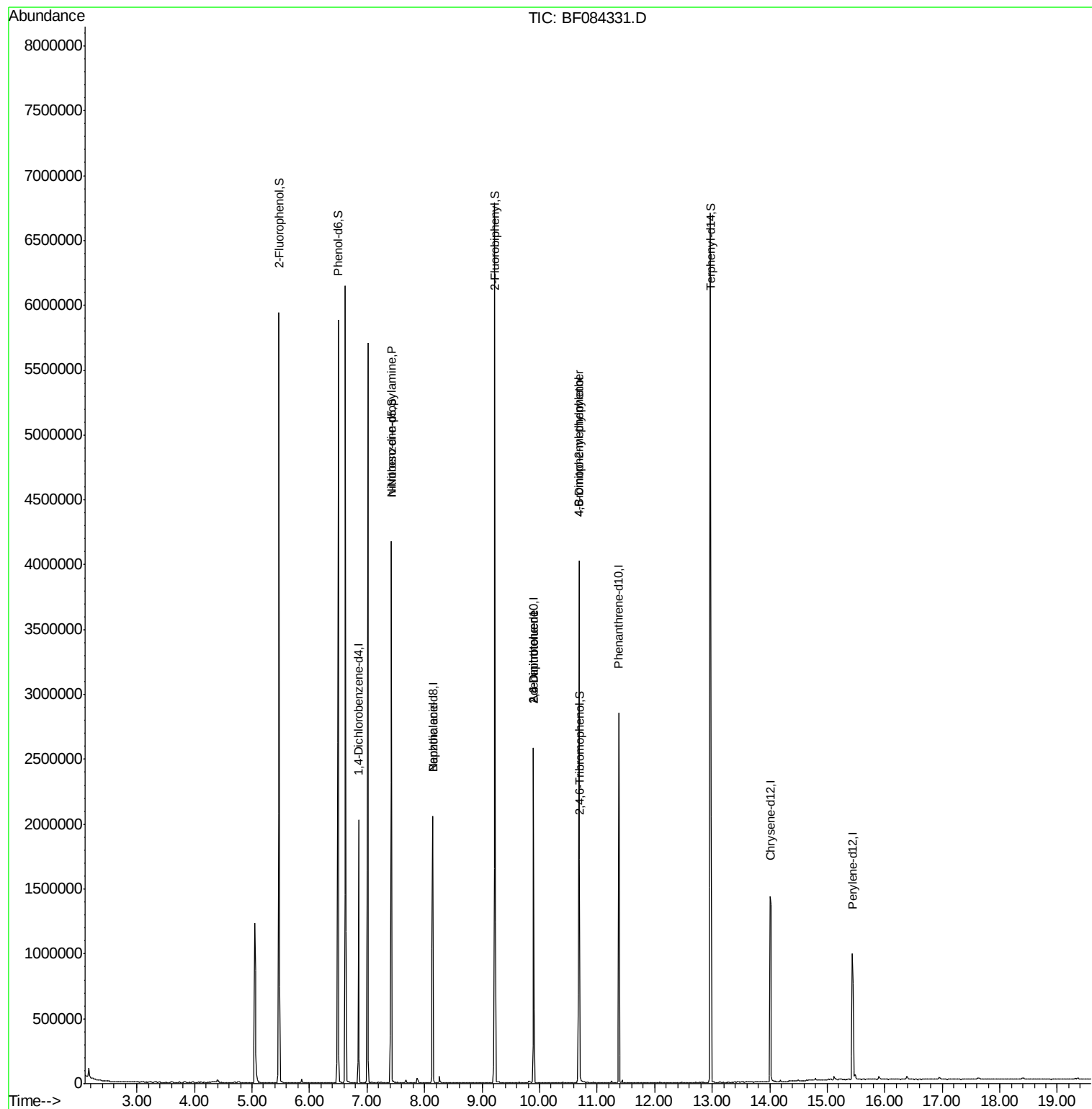
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	252643	20.00	ng	-0.05
21) Naphthalene-d8	8.14	136	1063666	20.00	ng	-0.05
38) Acenaphthene-d10	9.89	164	488953	20.00	ng	-0.06
63) Phenanthrene-d10	11.38	188	926072	20.00	ng	-0.05
75) Chrysene-d12	14.02	240	742889	20.00	ng	-0.05
86) Perylene-d12	15.44	264	519370	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1620180	103.73	ng	-0.02
7) Phenol-d6	6.50	99	1998294	101.87	ng	-0.03
23) Nitrobenzene-d5	7.42	82	1555002	81.36	ng	-0.05
41) 2,4,6-Tribromophenol	10.69	330	570437	115.56	ng	-0.05
44) 2-Fluorobiphenyl	9.22	172	2155670	76.96	ng	-0.05
78) Terphenyl-d14	12.97	244	2270462	68.22	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	220482	16.60	ng	# 72
32) Benzoic acid	8.14	122	246	6.27	ng	# 1
50) 2,6-Dinitrotoluene	9.89	165	63187	8.24	ng	# 37
56) 2,4-Dinitrotoluene	9.89	165	63190	6.51	ng	# 21
57) Fluorene	10.68	166	20721	Below Cal		# 88
64) 4,6-Dinitro-2-methylphenol	10.68	198	1096	6.57	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	33391	3.35	ng	# 1
73) Di-n-butylphthalate	11.95	149	1597	Below Cal		# 79

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

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Quant Time: Jan 08 22:15:40 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.05 min

Lab File: BF084331.D

Acq: 8 Jan 2016 16:46

Instrument :

BNA_F

ClientSampleId :

PB87699BL

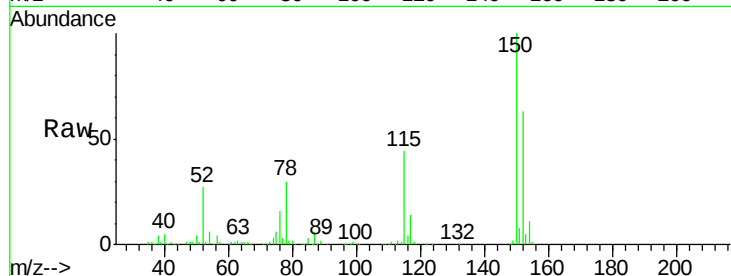
Tgt Ion:152 Resp: 252643

Ion Ratio Lower Upper

152 100

150 157.9 123.0 184.4

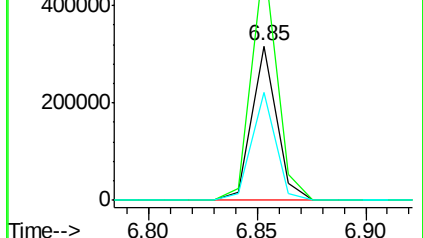
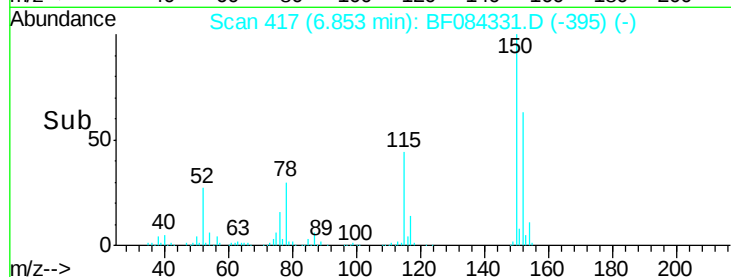
115 70.1 51.4 77.2



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: 103.73 ng

RT: 5.47 min Scan# 296

Delta R.T. -0.02 min

Lab File: BF084331.D

Acq: 8 Jan 2016 16:46

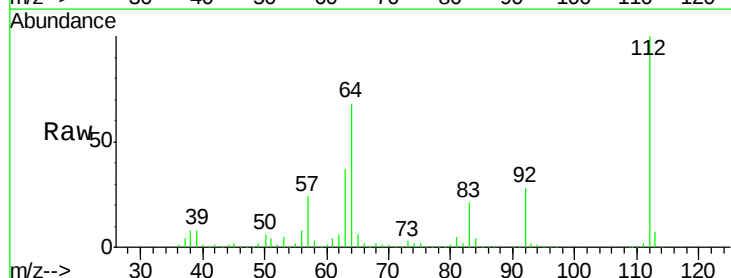
Tgt Ion:112 Resp: 1620180

Ion Ratio Lower Upper

112 100

64 68.4 36.6 55.0#

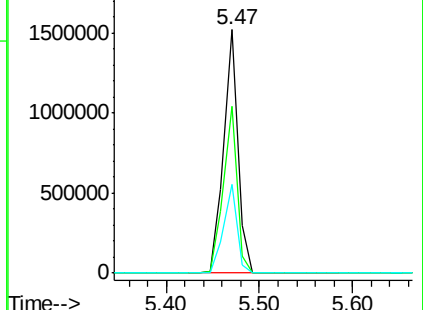
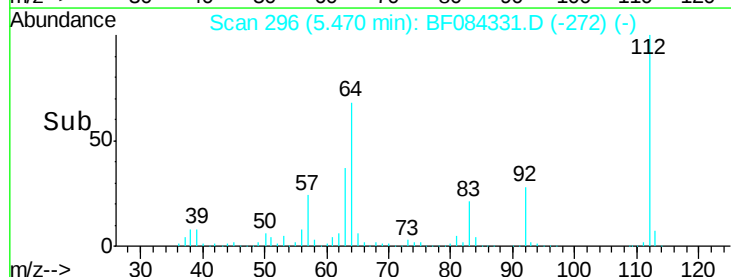
63 36.6 19.4 29.0#

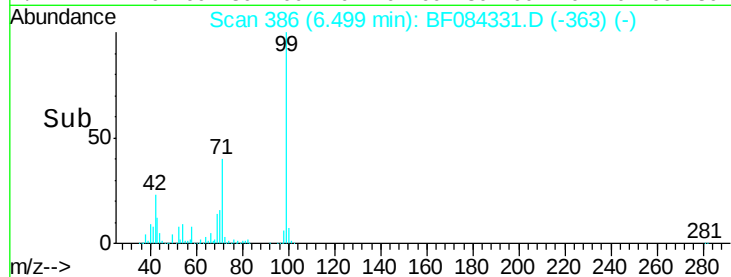
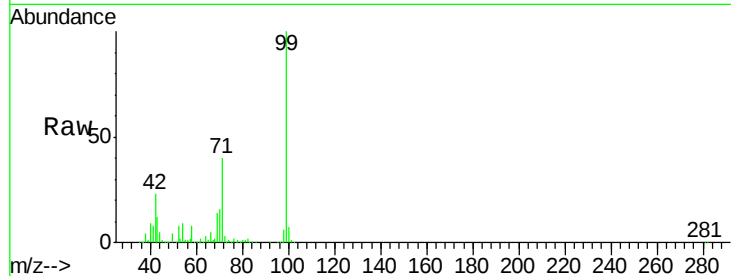
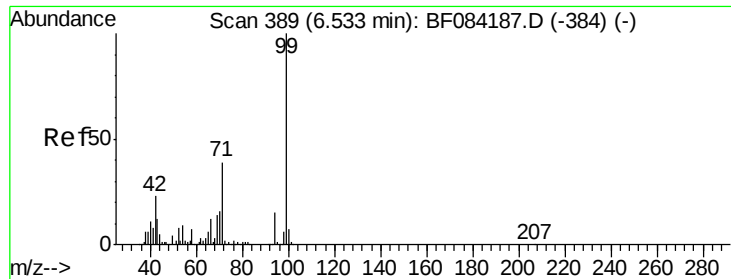


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 101.87 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.03 min

Lab File: BF084331.D

Acq: 8 Jan 2016 16:46

Instrument :

BNA_F

ClientSampleId :

PB87699BL

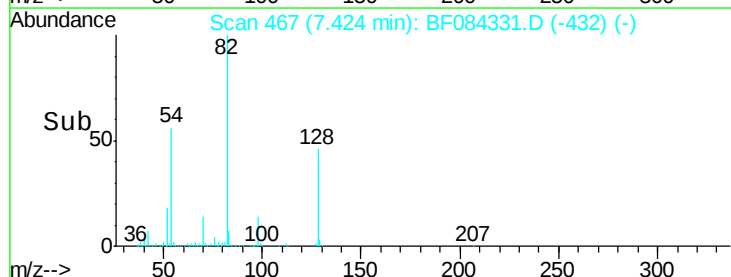
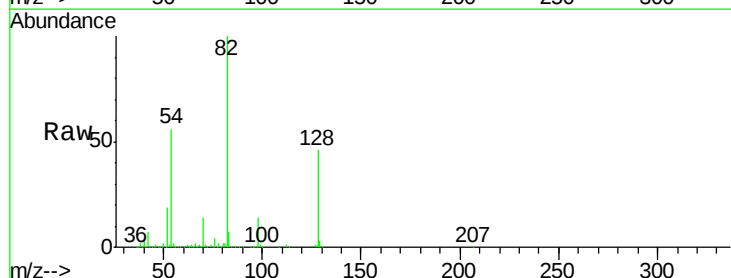
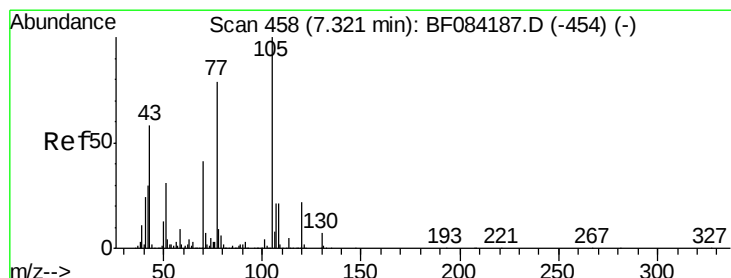
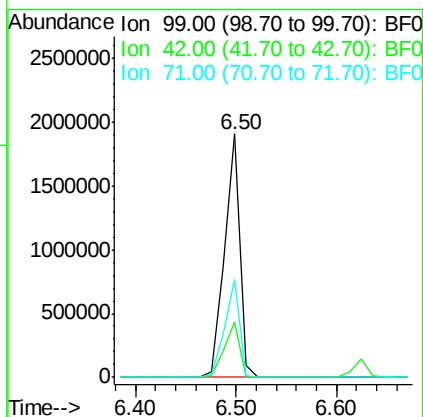
Tgt Ion: 99 Resp: 1998294

Ion Ratio Lower Upper

99 100

42 22.7 12.8 19.2#

71 40.0 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.60 ng

RT: 7.42 min Scan# 467

Delta R.T. 0.10 min

Lab File: BF084331.D

Acq: 8 Jan 2016 16:46

Tgt Ion: 70 Resp: 220482

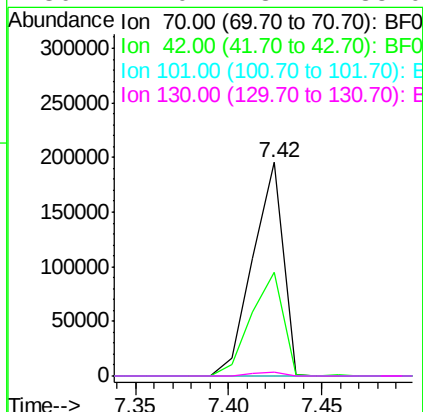
Ion Ratio Lower Upper

70 100

42 48.3 33.3 49.9

101 0.0 9.3 13.9#

130 2.0 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.05 min

Lab File: BF084331.D

Acq: 8 Jan 2016 16:46

Instrument :

BNA_F

ClientSampleId :

PB87699BL

Tgt Ion:136 Resp: 1063666

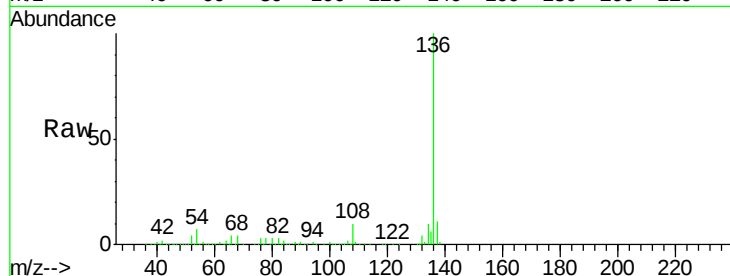
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 6.8 5.8 8.8

68 4.1 4.2 6.2#

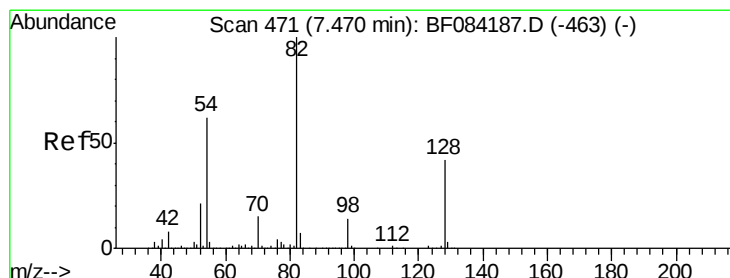
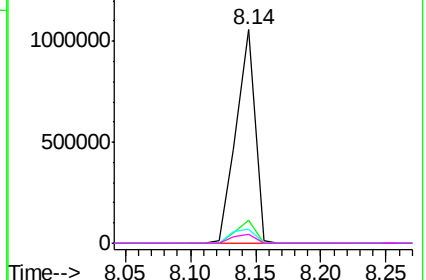
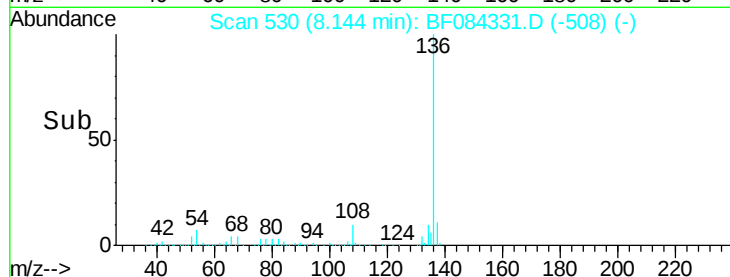


Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.36 ng

RT: 7.42 min Scan# 467

Delta R.T. -0.05 min

Lab File: BF084331.D

Acq: 8 Jan 2016 16:46

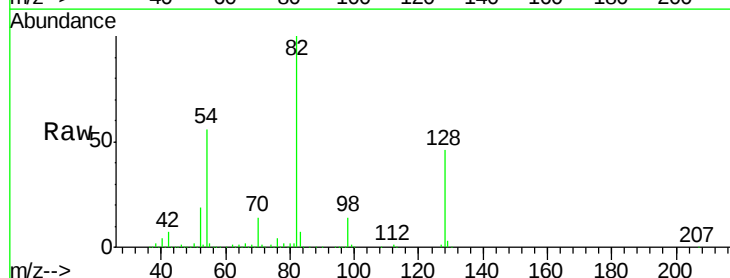
Tgt Ion: 82 Resp: 1555002

Ion Ratio Lower Upper

82 100

128 46.2 34.6 51.8

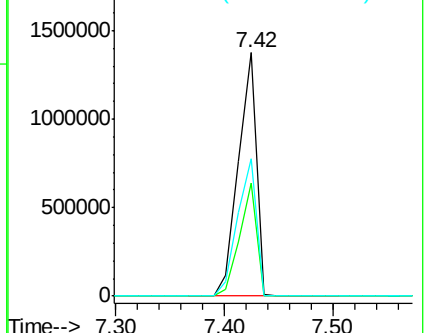
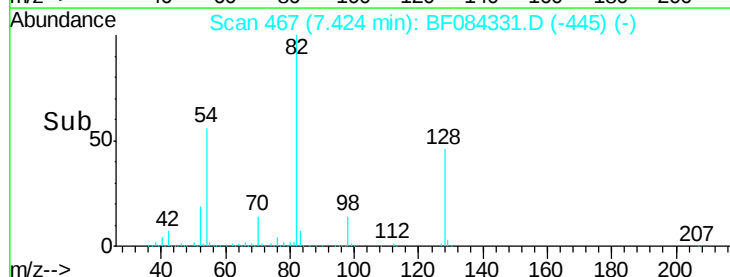
54 56.3 38.4 57.6



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





#32

Benzoic acid

Concen: 6.27 ng

RT: 8.14 min Scan# 530

Delta R.T. 0.18 min

Lab File: BF084331.D

Acq: 8 Jan 2016 16:46

Instrument :

BNA_F

ClientSampleId :

PB87699BL

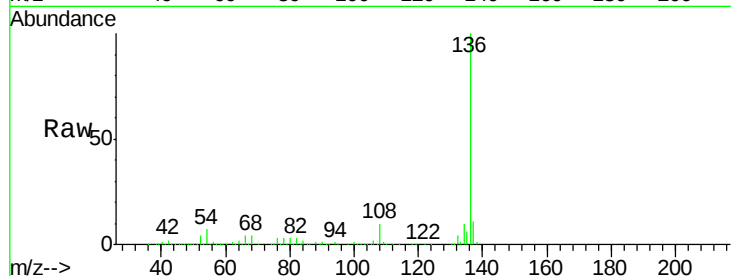
Tgt Ion:122 Resp: 246

Ion Ratio Lower Upper

122 100

105 275.8 100.3 140.3#

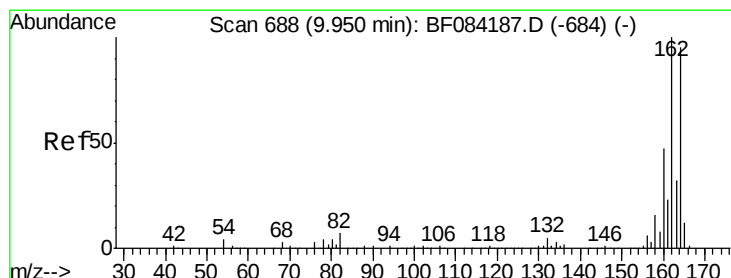
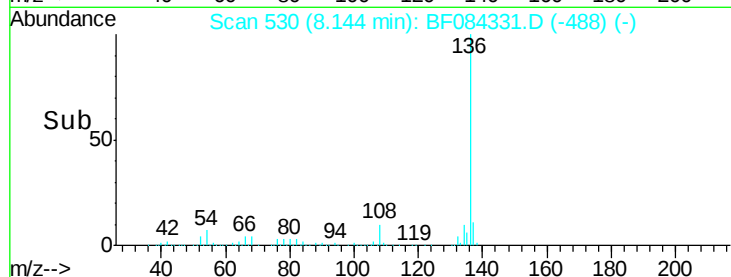
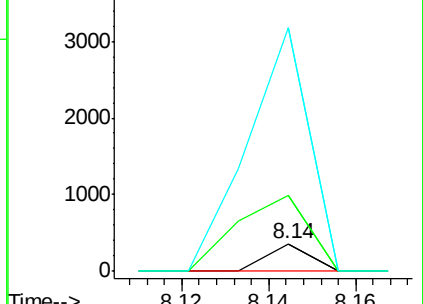
77 884.4 63.5 103.5#



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: 9.89 min Scan# 683

Delta R.T. -0.06 min

Lab File: BF084331.D

Acq: 8 Jan 2016 16:46

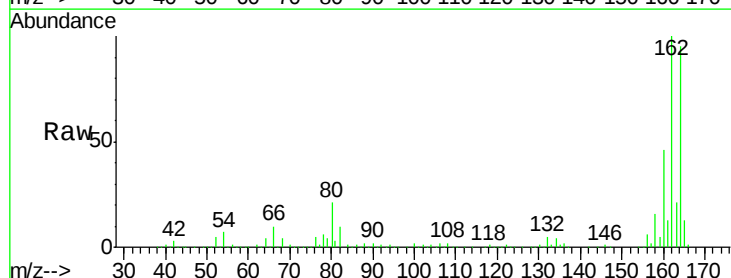
Tgt Ion:164 Resp: 488953

Ion Ratio Lower Upper

164 100

162 104.9 85.1 127.7

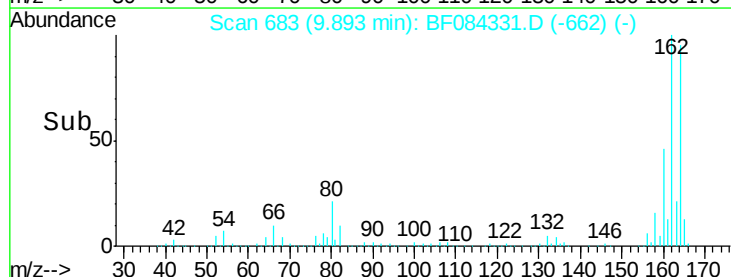
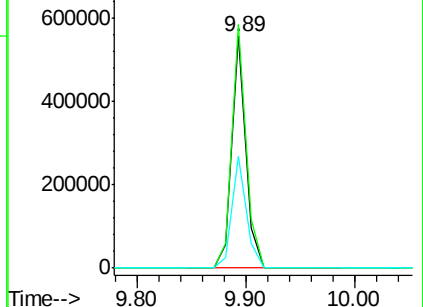
160 47.9 37.5 56.3



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

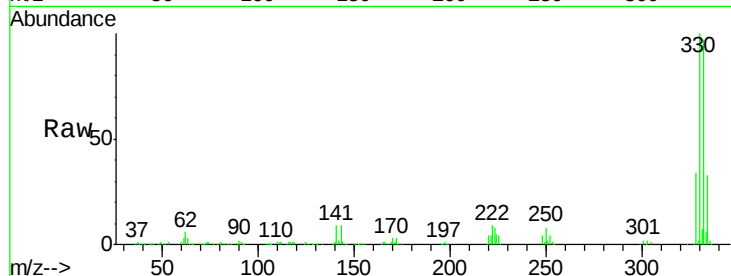




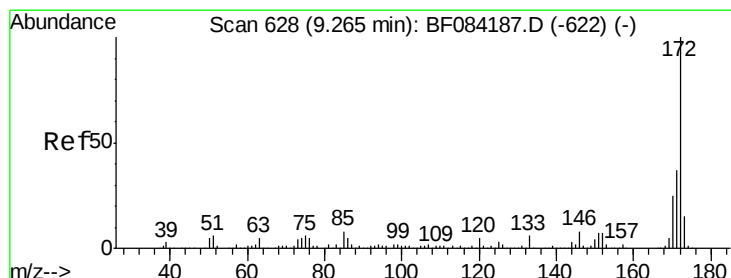
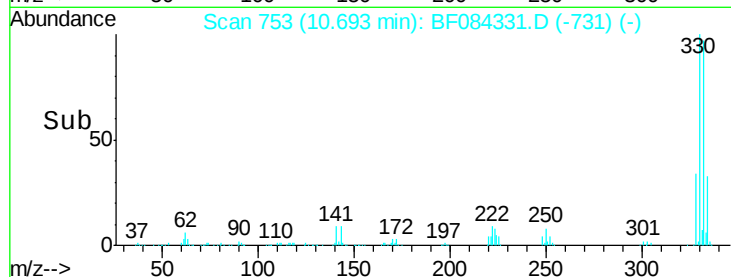
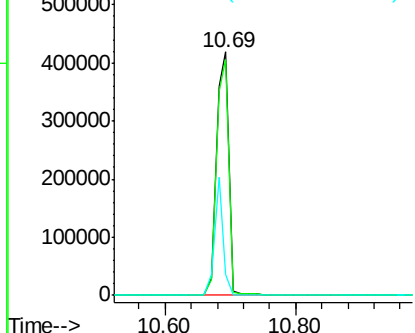
#41
 2,4,6-Tribromophenol
 Concen: 115.56 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.05 min
 Lab File: BF084331.D
 Acq: 8 Jan 2016 16:46

Instrument :
 BNA_F
 ClientSampleId :
 PB87699BL

Tgt Ion:330 Resp: 570437
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.6 114.8
 141 34.3 27.8 41.6

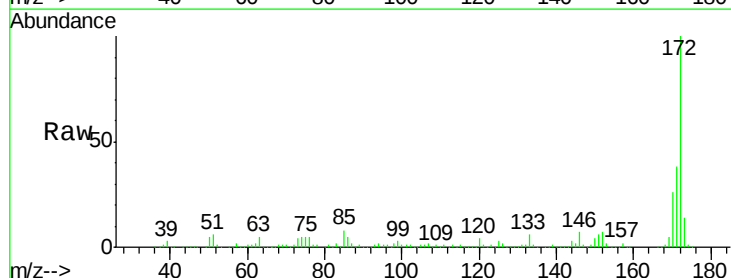


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

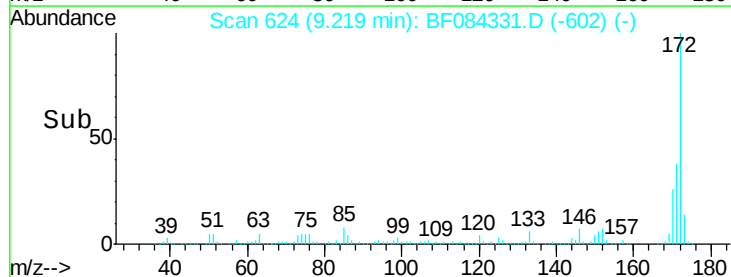
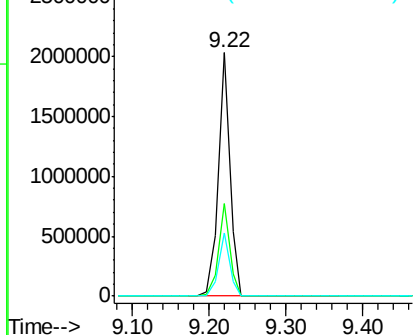


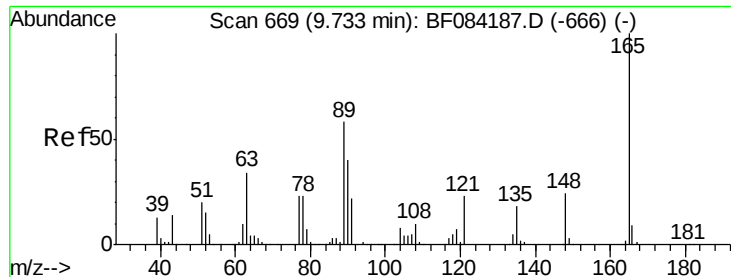
#44
 2-Fluorobiphenyl
 Concen: 76.96 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.05 min
 Lab File: BF084331.D
 Acq: 8 Jan 2016 16:46

Tgt Ion:172 Resp: 2155670
 Ion Ratio Lower Upper
 172 100
 171 37.9 28.9 43.3
 170 25.7 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

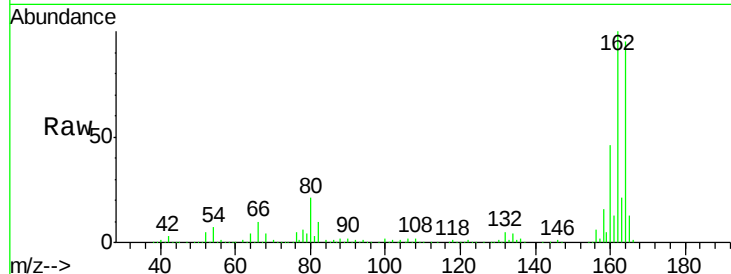




#50
 2,6-Dinitrotoluene
 Concen: 8.24 ng
 RT: 9.89 min Scan# 683
 Delta R.T. 0.16 min
 Lab File: BF084331.D
 Acq: 8 Jan 2016 16:46

Instrument :
 BNA_F
 ClientSampleId :
 PB87699BL

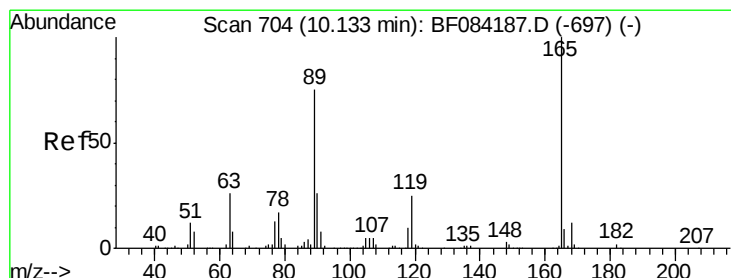
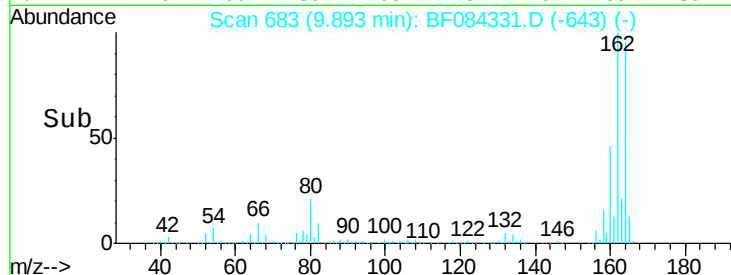
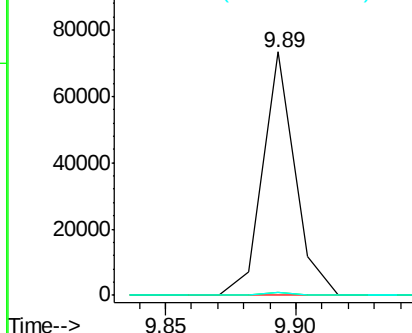
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	28.8	43.2#
89	1.4	35.1	52.7#



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



#56
 2,4-Dinitrotoluene
 Concen: 6.51 ng
 RT: 9.89 min Scan# 683
 Delta R.T. -0.24 min
 Lab File: BF084331.D
 Acq: 8 Jan 2016 16:46

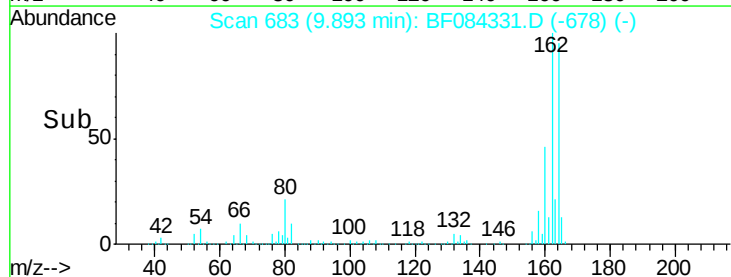
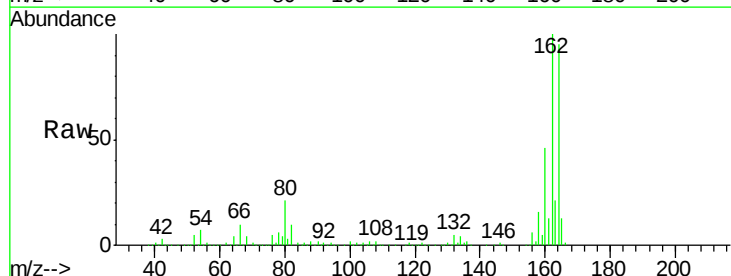
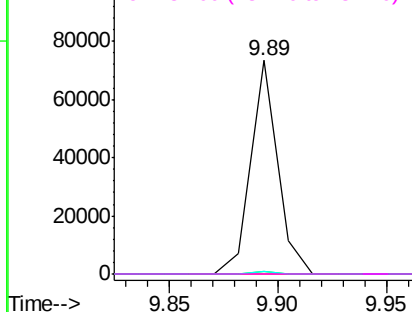
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.7	55.1#
89	1.4	61.9	92.9#
182	0.0	2.0	3.0#

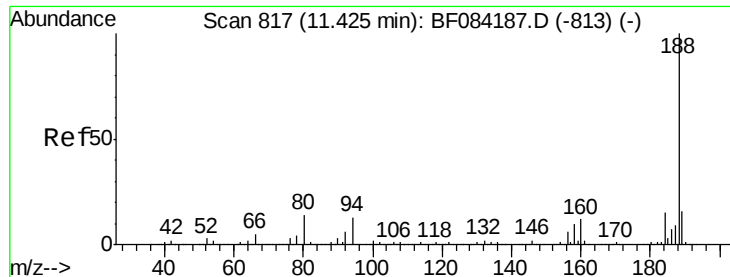
Abundance Ion 165.00 (164.70 to 165.70): E

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

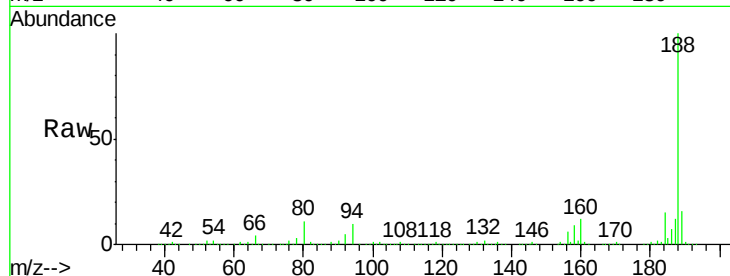




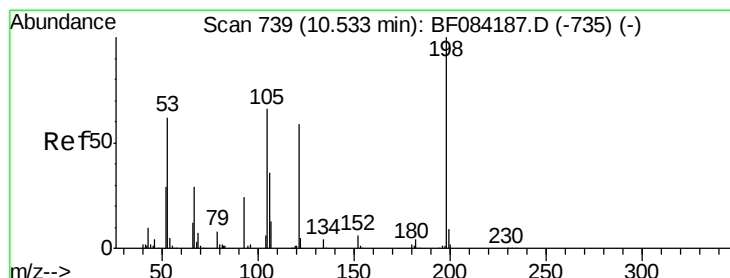
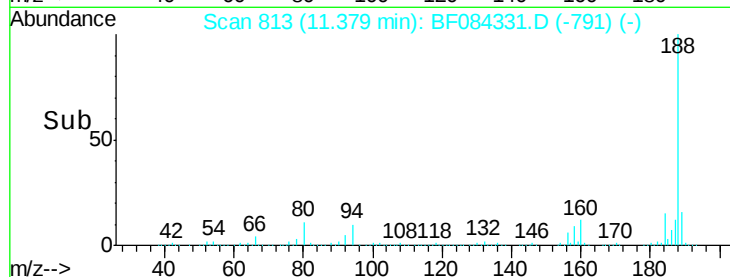
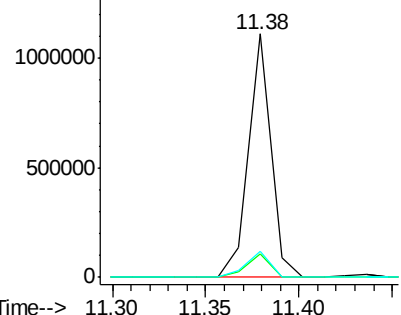
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.05 min
Lab File: BF084331.D
Acq: 8 Jan 2016 16:46

Instrument :
BNA_F
ClientSampleId :
PB87699BL

Tgt Ion:188 Resp: 926072
Ion Ratio Lower Upper
188 100
94 9.7 9.0 13.4
80 10.6 9.6 14.4

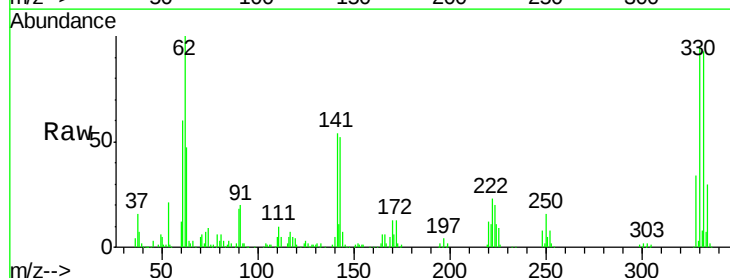


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

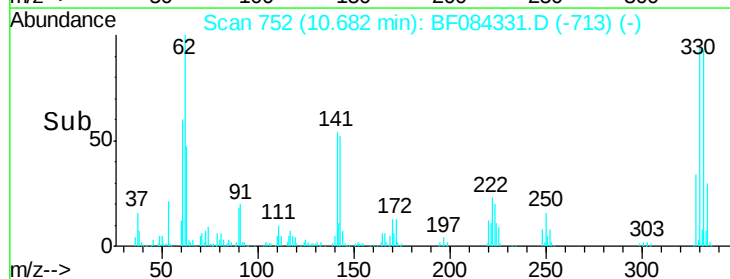
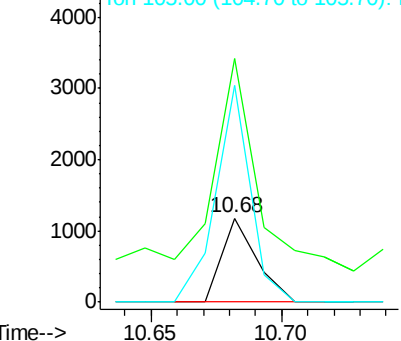


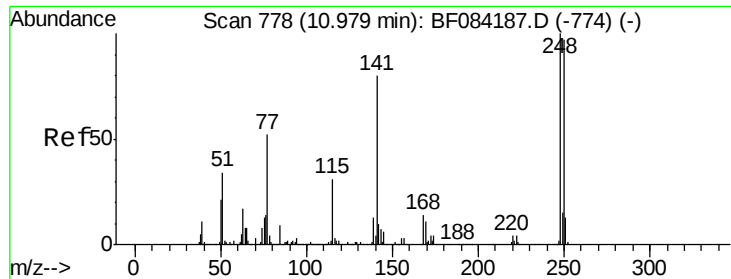
#64
4,6-Dinitro-2-methylphenol
Concen: 6.57 ng
RT: 10.68 min Scan# 752
Delta R.T. 0.15 min
Lab File: BF084331.D
Acq: 8 Jan 2016 16:46

Tgt Ion:198 Resp: 1096
Ion Ratio Lower Upper
198 100
51 289.7 18.9 58.9#
105 257.5 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

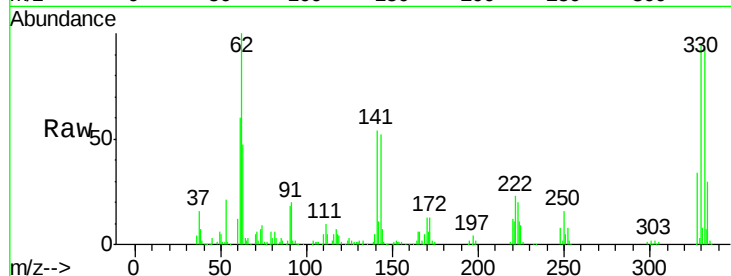




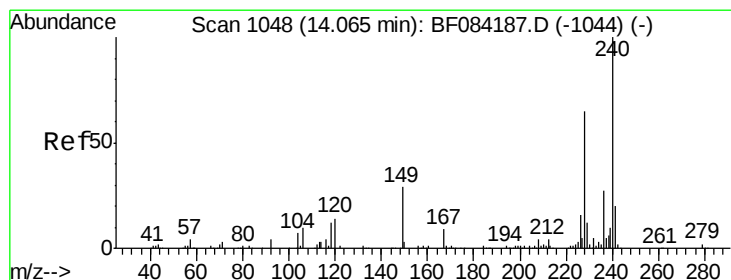
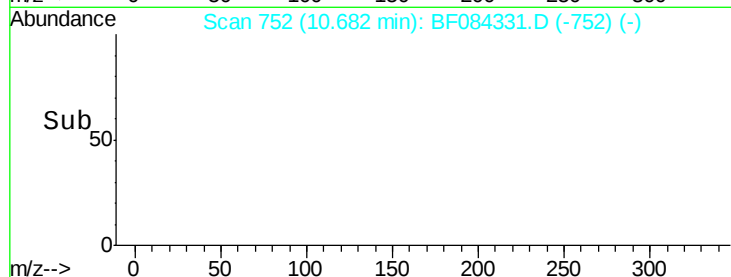
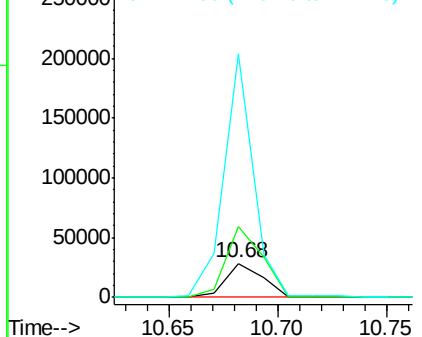
#66
4-Bromophenyl-phenylether
Concen: 3.35 ng
RT: 10.68 min Scan# 752
Delta R.T. -0.30 min
Lab File: BF084331.D
Acq: 8 Jan 2016 16:46

Instrument :
BNA_F
ClientSampled :
PB87699BL

Tgt Ion:248 Resp: 33391
Ion Ratio Lower Upper
248 100
250 207.1 78.4 117.6#
141 711.2 44.0 66.0#

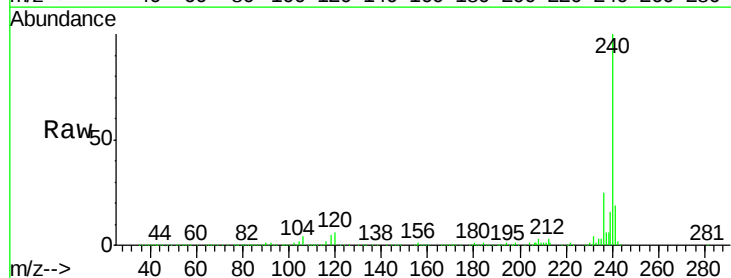


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

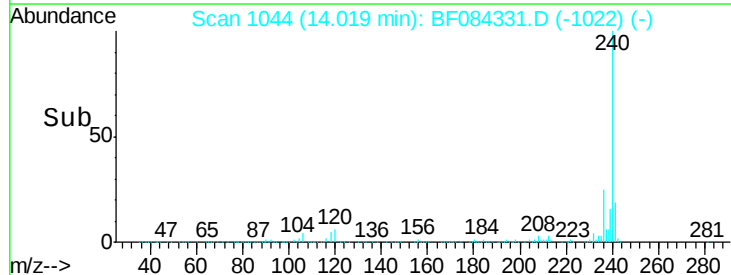
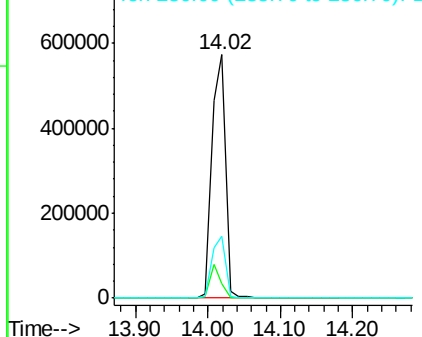


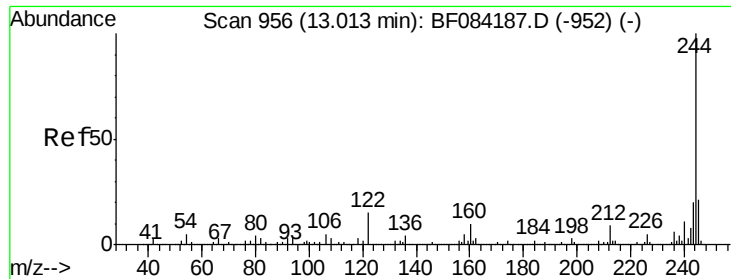
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 1044
Delta R.T. -0.05 min
Lab File: BF084331.D
Acq: 8 Jan 2016 16:46

Tgt Ion:240 Resp: 742889
Ion Ratio Lower Upper
240 100
120 6.0 9.5 14.3#
236 25.3 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

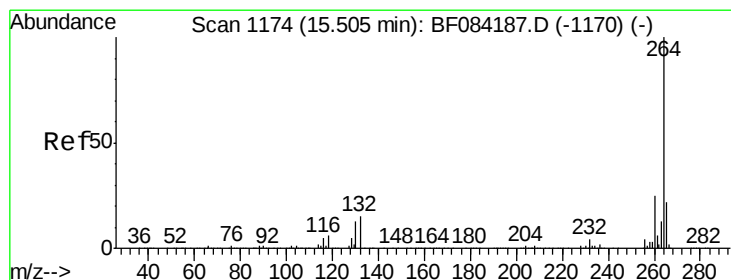
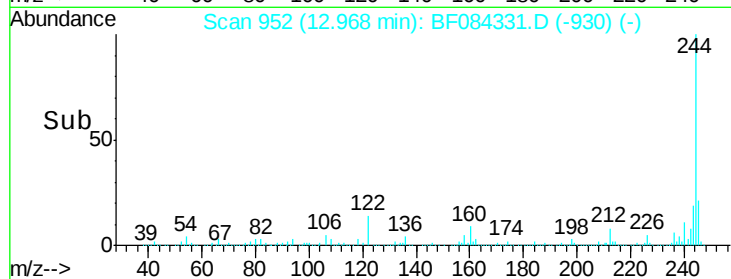
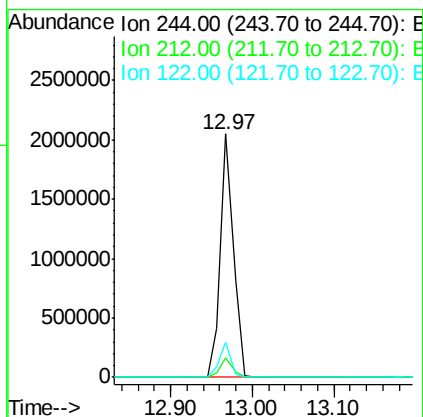
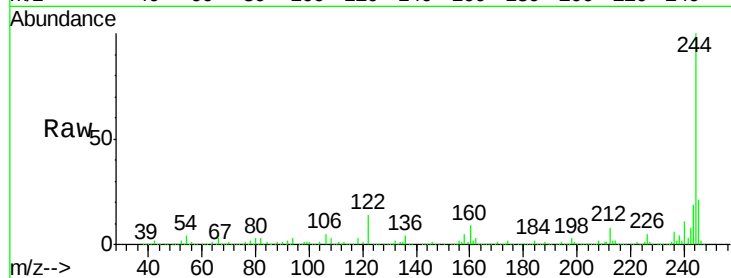




#78
 Terphenyl-d14
 Concen: 68.22 ng
 RT: 12.97 min Scan# 952
 Delta R.T. -0.05 min
 Lab File: BF084331.D
 Acq: 8 Jan 2016 16:46

Instrument :
 BNA_F
 ClientSampleID :
 PB87699BL

Tgt Ion:244 Resp: 2270462
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.7 8.5
 122 14.4 7.4 11.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1168
 Delta R.T. -0.07 min
 Lab File: BF084331.D
 Acq: 8 Jan 2016 16:46

Tgt Ion:264 Resp: 519370
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.4 29.2
 265 21.2 17.8 26.6

