

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010816\
 Data File : BF084345.D
 Acq On : 9 Jan 2016 00:58
 Operator : SJ/UM
 Sample : H1035-03
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HAZ-COMP

Quant Time: Jan 09 02:24:59 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

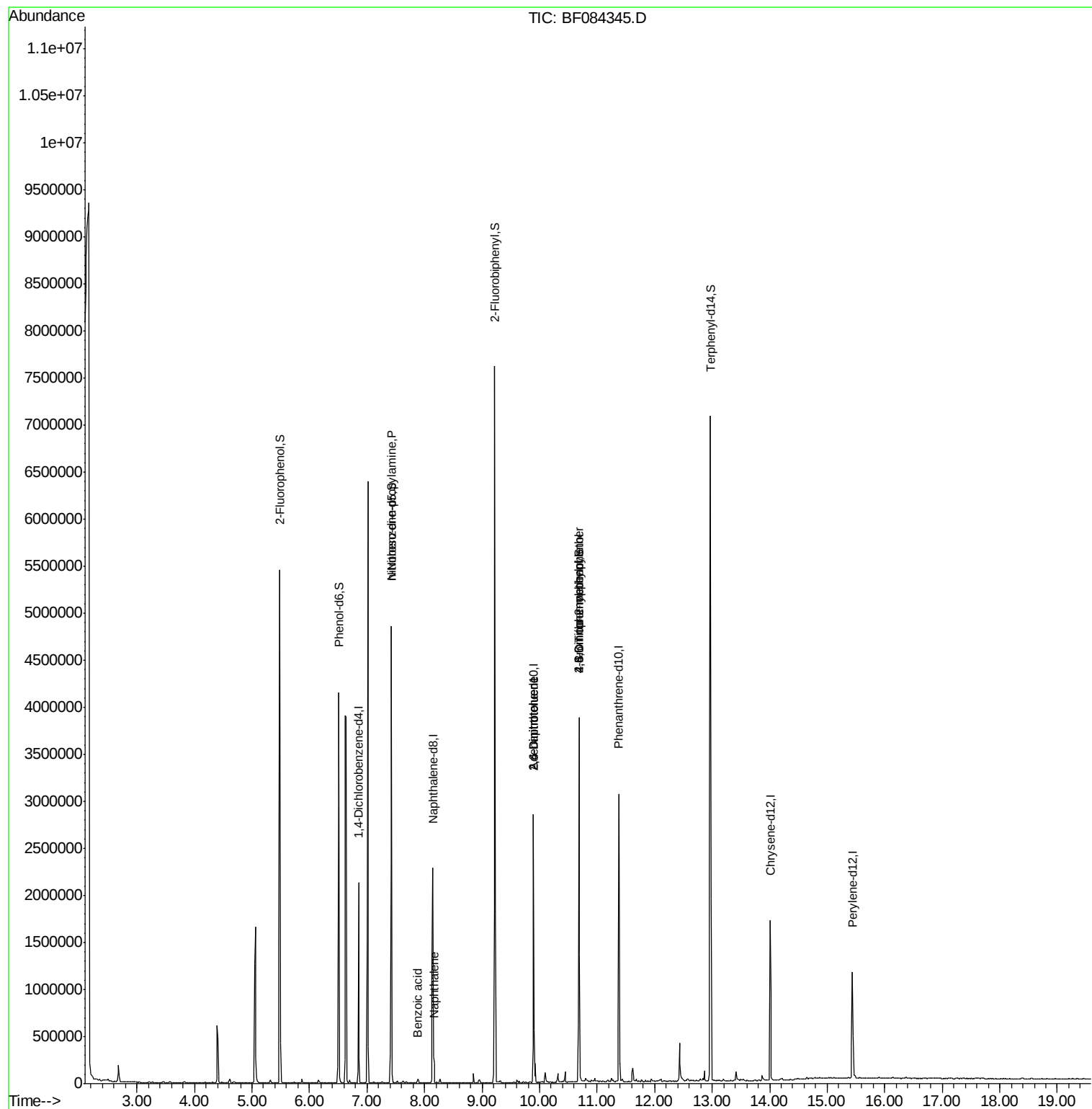
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	269190	20.00	ng	-0.05
21) Naphthalene-d8	8.14	136	1152036	20.00	ng	-0.05
38) Acenaphthene-d10	9.89	164	542293	20.00	ng	-0.06
63) Phenanthrene-d10	11.38	188	1011553	20.00	ng	-0.05
75) Chrysene-d12	14.01	240	697285	20.00	ng	-0.06
86) Perylene-d12	15.44	264	523013	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1346055	80.88	ng	-0.01
7) Phenol-d6	6.51	99	1740278	83.26	ng	-0.02
23) Nitrobenzene-d5	7.42	82	1716697	82.93	ng	-0.05
41) 2,4,6-Tribromophenol	10.68	330	509382	93.04	ng	-0.06
44) 2-Fluorobiphenyl	9.22	172	2501869	80.85	ng	-0.05
78) Terphenyl-d14	12.97	244	2451190	78.47	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	248216	17.54	ng	# 71
31) Naphthalene	8.17	128	154433	2.95	ng	99
32) Benzoic acid	7.87	122	5328	6.62	ng	94
50) 2,6-Dinitrotoluene	9.89	165	70995	8.35	ng	# 37
54) Dibenzofuran	10.10	168	35418	Below Cal		98
56) 2,4-Dinitrotoluene	9.89	165	70987	6.60	ng	# 21
57) Fluorene	10.44	166	29874	Below Cal		# 98
64) 4,6-Dinitro-2-methylphenol	10.68	198	1250	6.57	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	29881	2.74	ng	# 1
73) Di-n-butylphthalate	11.94	149	14990	Below Cal		# 98

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

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Quant Time: Jan 09 02:24:59 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
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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: 6.85 min Scan# 417

Delta R.T. -0.05 min

Lab File: BF084345.D

Acq: 9 Jan 2016 00:58

Instrument :

BNA_F

ClientSampleId :

HAZ-COMP

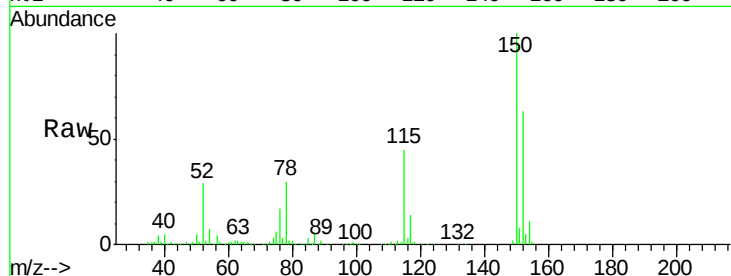
Tgt Ion:152 Resp: 269190

Ion Ratio Lower Upper

152 100

150 157.8 123.0 184.4

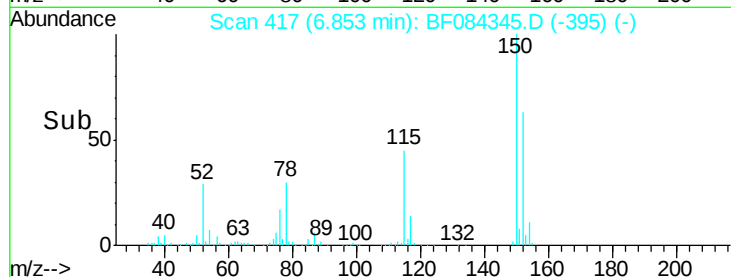
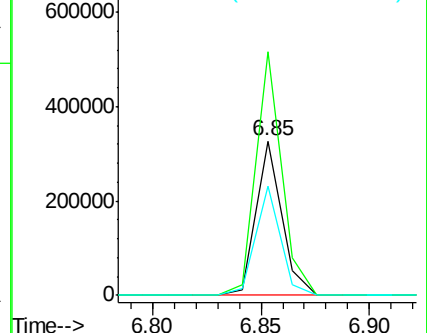
115 71.0 51.4 77.2



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: 80.88 ng

RT: 5.48 min Scan# 297

Delta R.T. -0.01 min

Lab File: BF084345.D

Acq: 9 Jan 2016 00:58

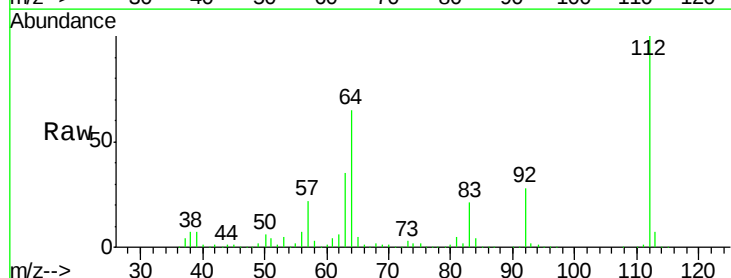
Tgt Ion:112 Resp: 1346055

Ion Ratio Lower Upper

112 100

64 65.1 36.6 55.0#

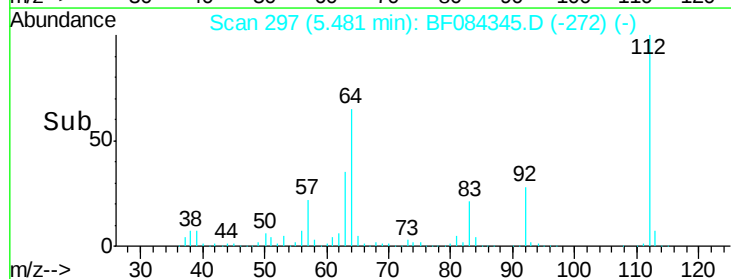
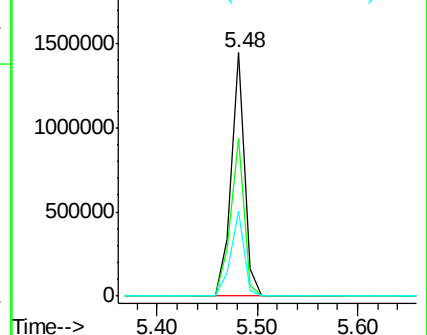
63 35.1 19.4 29.0#

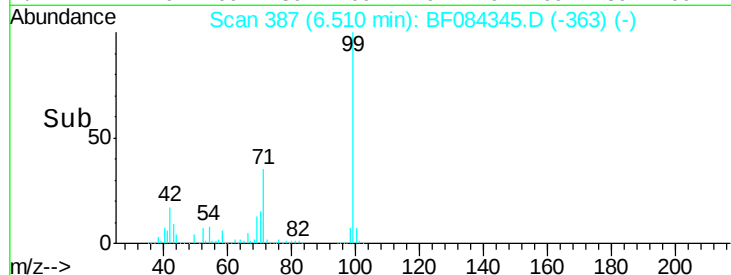
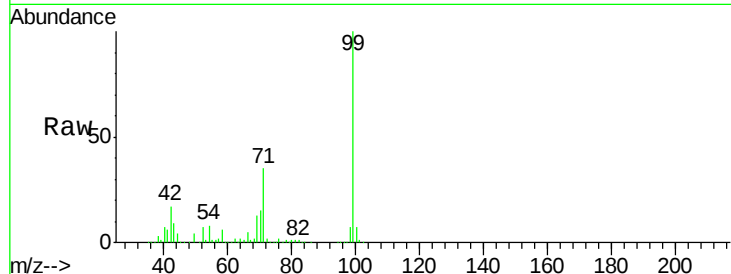


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 83.26 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF084345.D

Acq: 9 Jan 2016 00:58

Instrument :

BNA_F

ClientSampleId :

HAZ-COMP

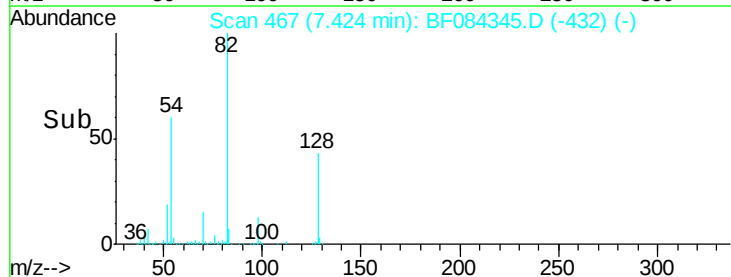
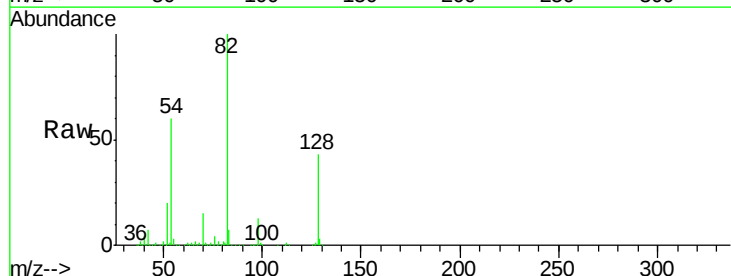
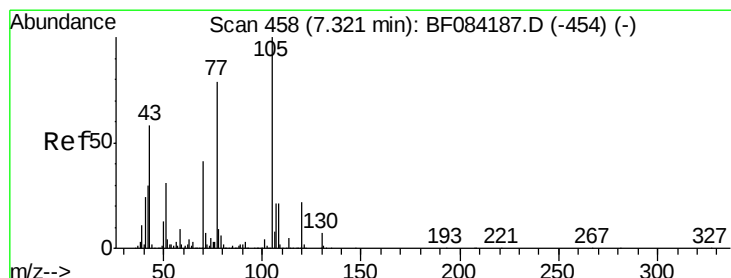
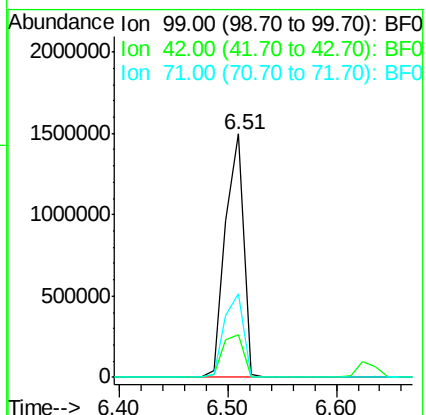
Tgt Ion: 99 Resp: 1740278

Ion Ratio Lower Upper

99 100

42 17.5 12.8 19.2

71 34.6 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 17.54 ng

RT: 7.42 min Scan# 467

Delta R.T. 0.10 min

Lab File: BF084345.D

Acq: 9 Jan 2016 00:58

Tgt Ion: 70 Resp: 248216

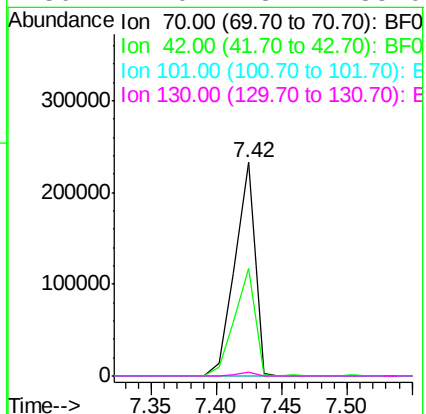
Ion Ratio Lower Upper

70 100

42 50.3 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: BF084345.D

Acq: 9 Jan 2016 00:58

Instrument :

BNA_F

ClientSampleId :

HAZ-COMP

Tgt Ion:136 Resp: 1152036

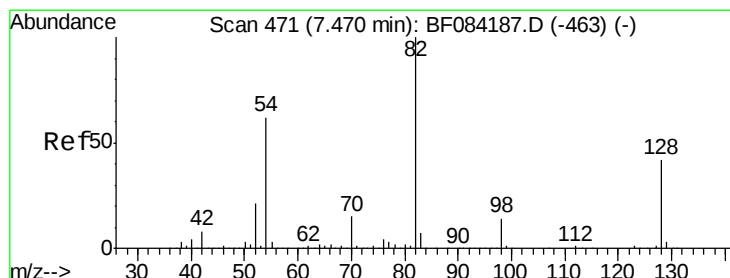
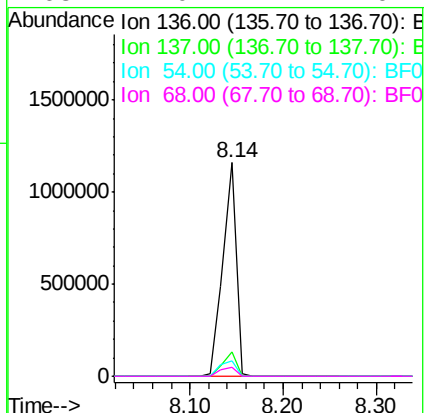
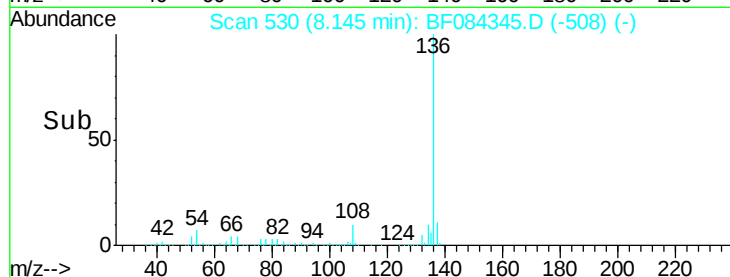
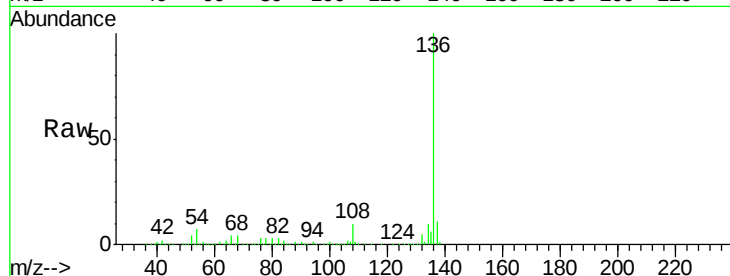
Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 7.1 5.8 8.8

68 4.0 4.2 6.2#



#23

Nitrobenzene-d5

Concen: 82.93 ng

RT: 7.42 min Scan# 467

Delta R.T. -0.05 min

Lab File: BF084345.D

Acq: 9 Jan 2016 00:58

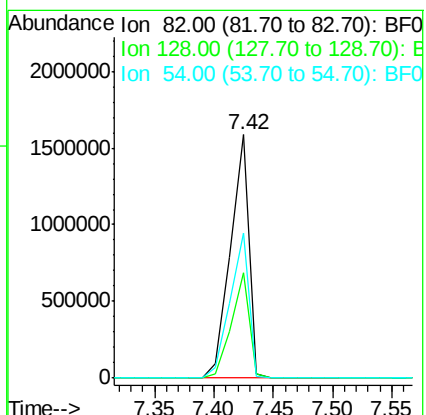
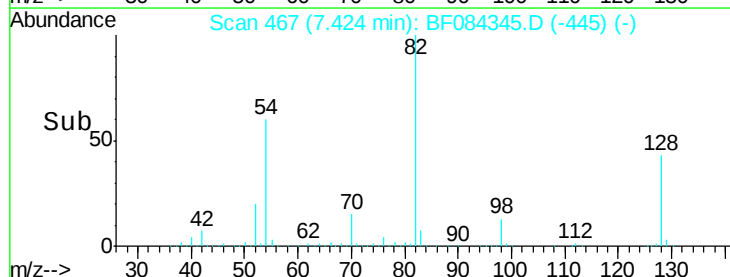
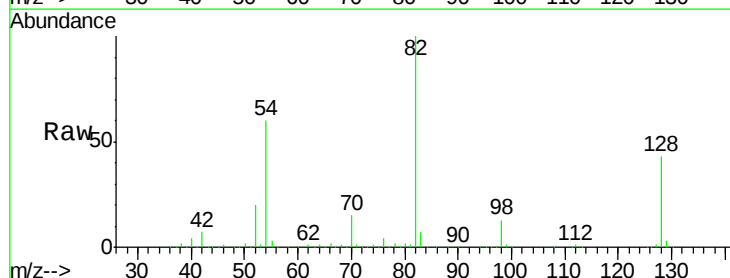
Tgt Ion: 82 Resp: 1716697

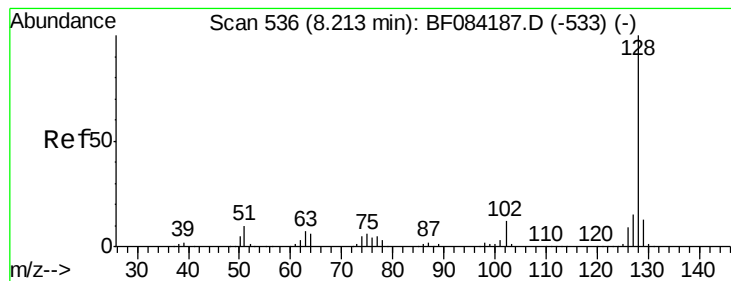
Ion Ratio Lower Upper

82 100

128 43.3 34.6 51.8

54 59.7 38.4 57.6#





#31

Naphthalene

Concen: 2.95 ng

RT: 8.17 min Scan# 532

Delta R.T. -0.05 min

Lab File: BF084345.D

Acq: 9 Jan 2016 00:58

Instrument :

BNA_F

ClientSampleId :

HAZ-COMP

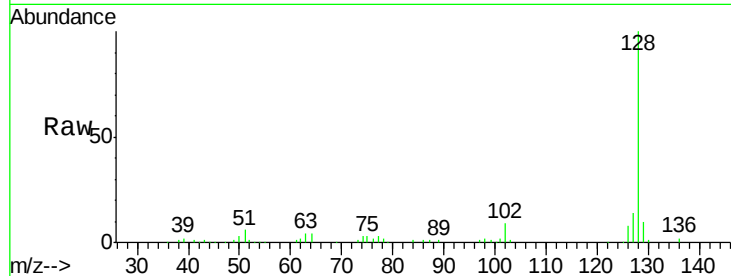
Tgt Ion:128 Resp: 154433

Ion Ratio Lower Upper

128 100

129 10.3 9.1 13.7

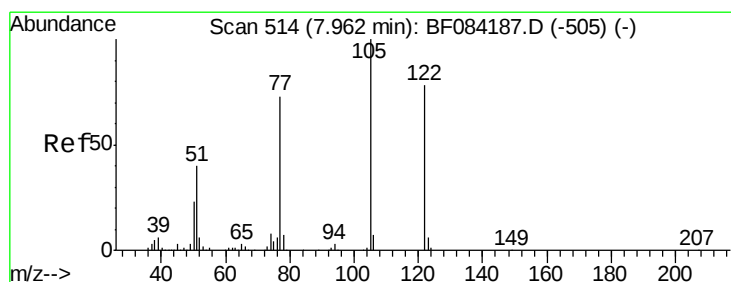
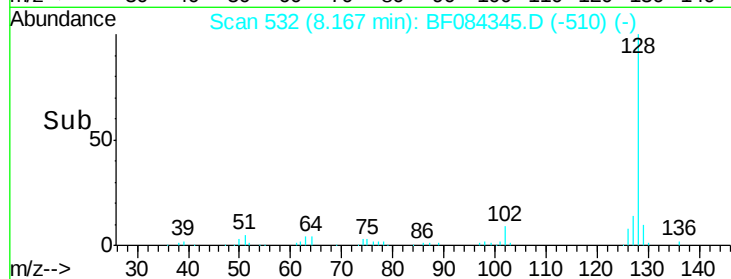
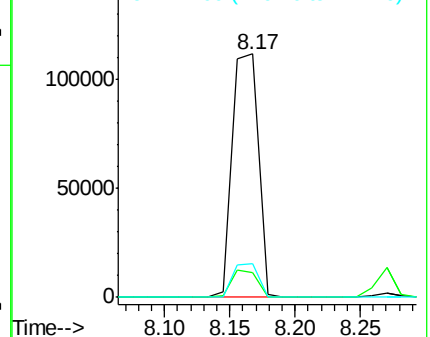
127 13.8 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 6.62 ng

RT: 7.87 min Scan# 506

Delta R.T. -0.09 min

Lab File: BF084345.D

Acq: 9 Jan 2016 00:58

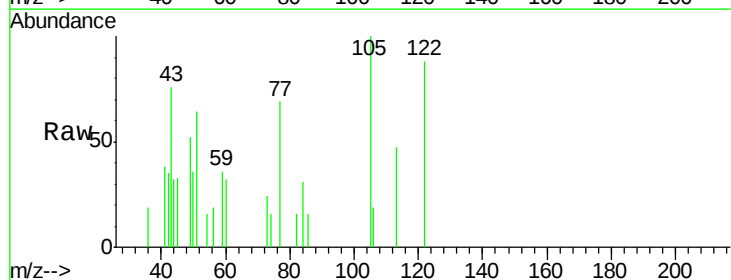
Tgt Ion:122 Resp: 5328

Ion Ratio Lower Upper

122 100

105 114.0 100.3 140.3

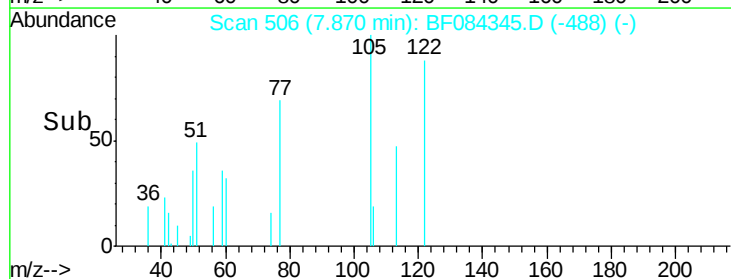
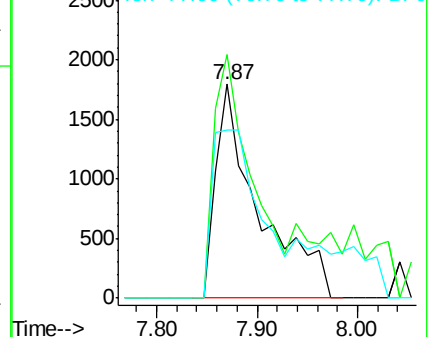
77 78.6 63.5 103.5

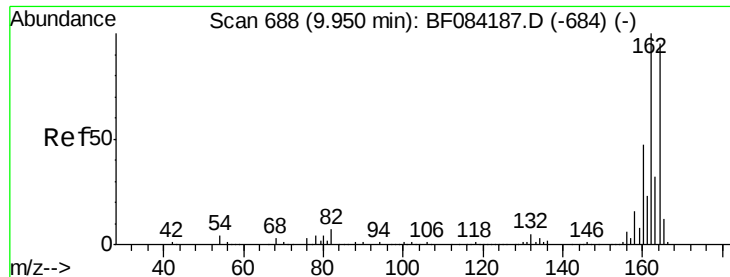


Abundance Ion 122.00 (121.70 to 122.70): E

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: BF084345.D

Acq: 9 Jan 2016 00:58

Instrument :

BNA_F

ClientSampleId :

HAZ-COMP

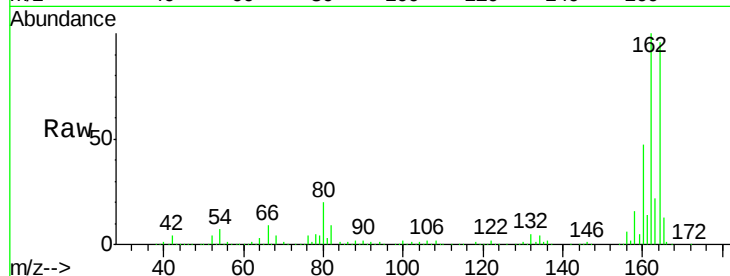
Tgt Ion:164 Resp: 542293

Ion Ratio Lower Upper

164 100

162 104.7 85.1 127.7

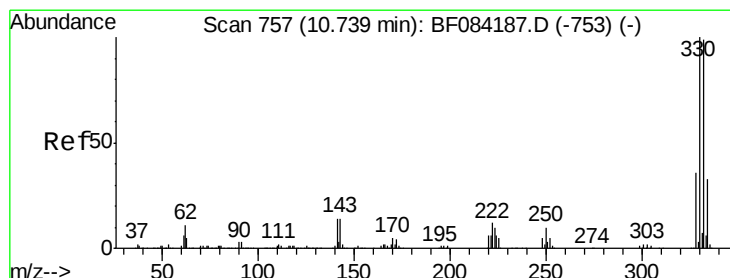
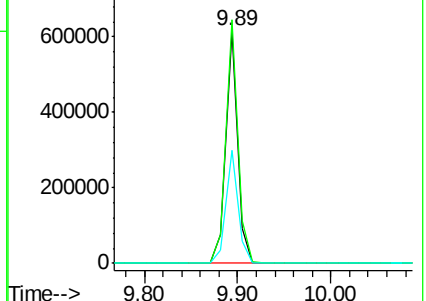
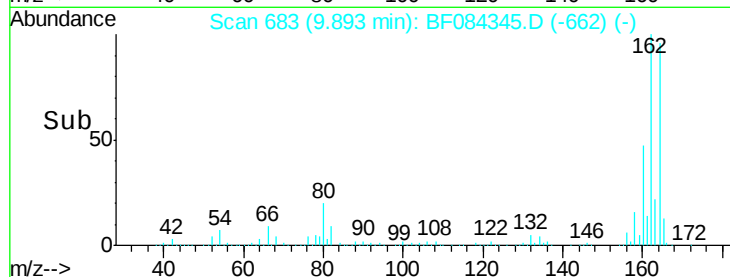
160 48.8 37.5 56.3



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: 93.04 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.06 min

Lab File: BF084345.D

Acq: 9 Jan 2016 00:58

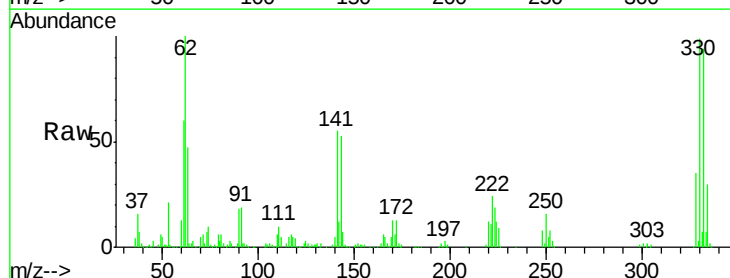
Tgt Ion:330 Resp: 509382

Ion Ratio Lower Upper

330 100

332 97.0 76.6 114.8

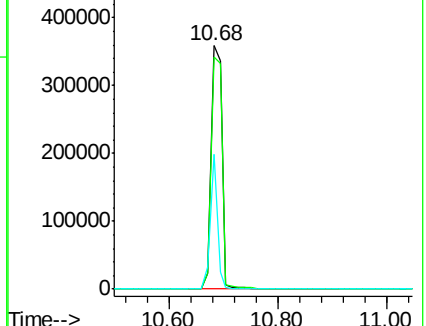
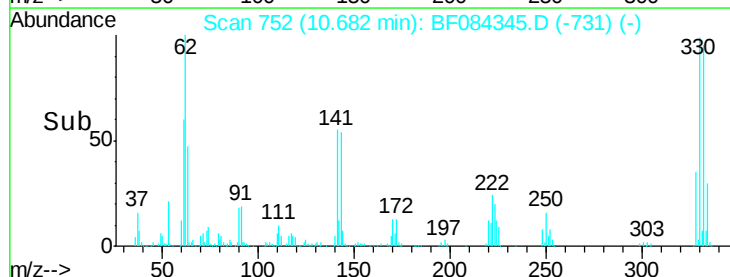
141 35.4 27.8 41.6

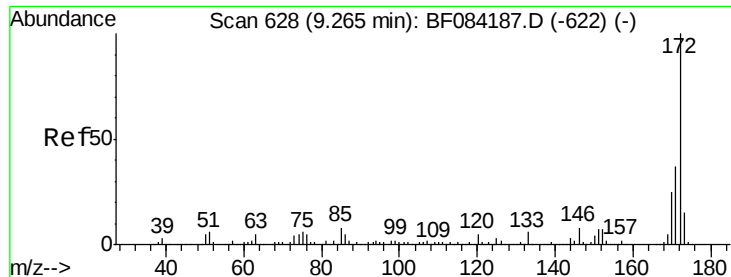


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

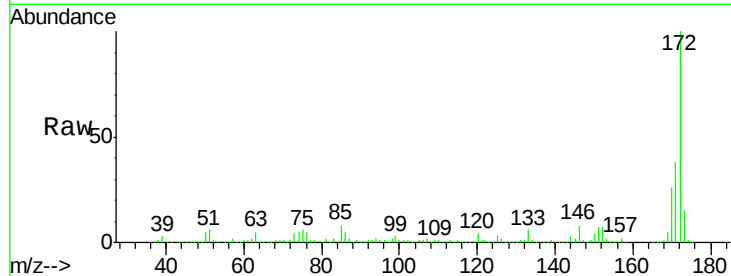




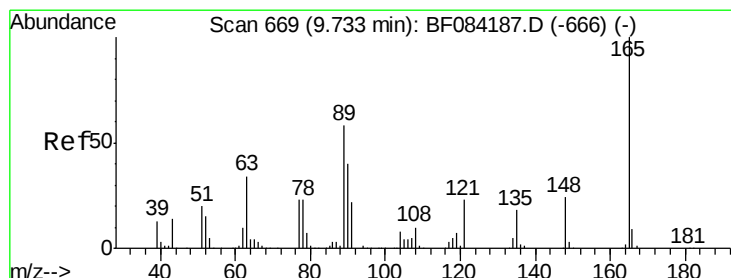
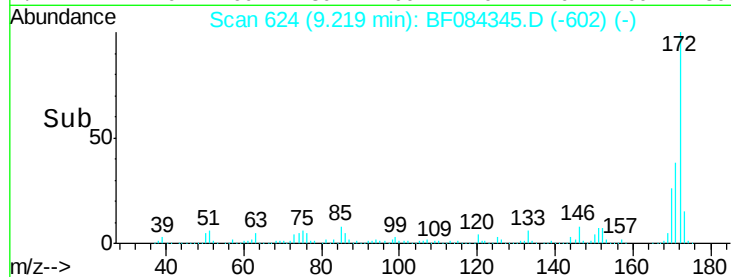
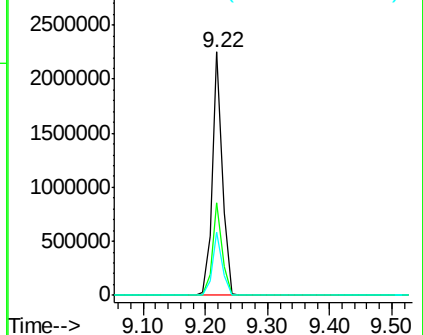
#44
 2-Fluorobiphenyl
 Concen: 80.85 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.05 min
 Lab File: BF084345.D
 Acq: 9 Jan 2016 00:58

Instrument :
 BNA_F
 ClientSampleId :
 HAZ-COMP

Tgt Ion:172 Resp: 2501869
 Ion Ratio Lower Upper
 172 100
 171 38.2 28.9 43.3
 170 26.1 18.6 27.8

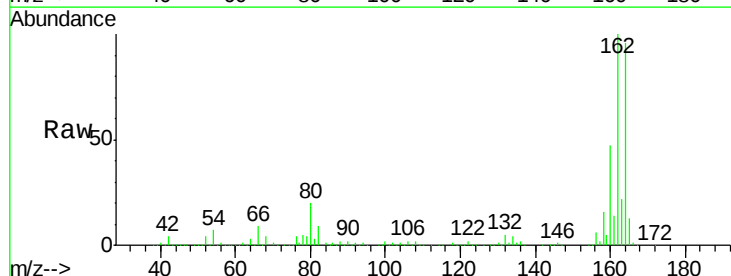


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

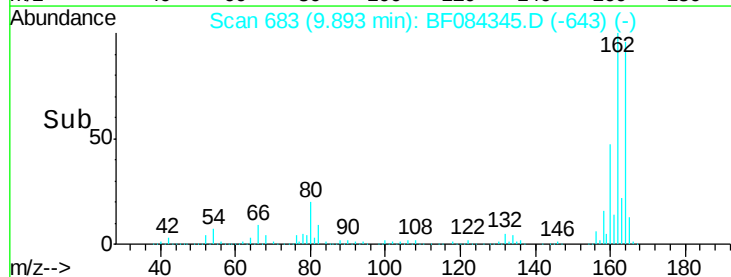
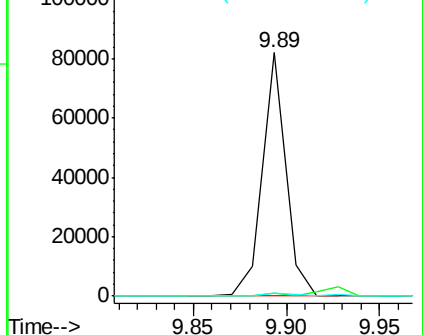


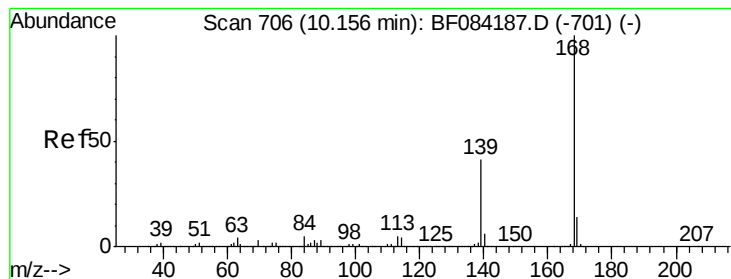
#50
 2,6-Dinitrotoluene
 Concen: 8.35 ng
 RT: 9.89 min Scan# 683
 Delta R.T. 0.16 min
 Lab File: BF084345.D
 Acq: 9 Jan 2016 00:58

Tgt Ion:165 Resp: 70995
 Ion Ratio Lower Upper
 165 100
 63 1.2 28.8 43.2#
 89 1.3 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: 10.10 min Scan# 701

Delta R.T. -0.06 min

Lab File: BF084345.D

Acq: 9 Jan 2016 00:58

Instrument :

BNA_F

ClientSampled :

HAZ-COMP

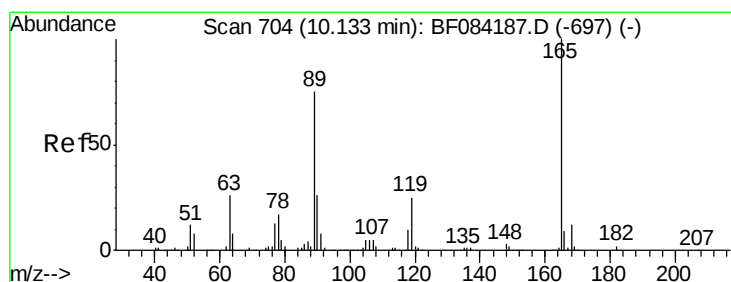
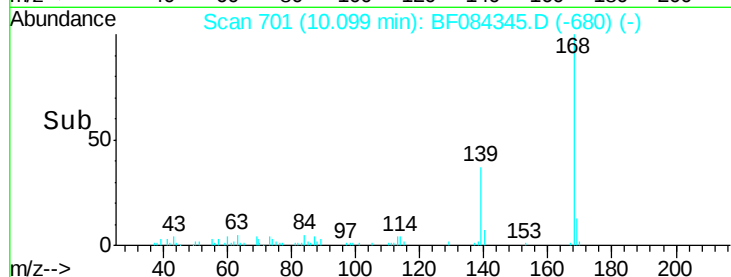
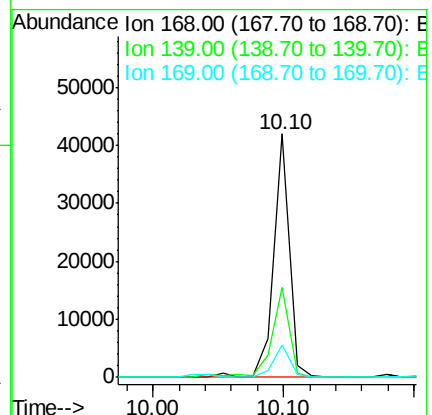
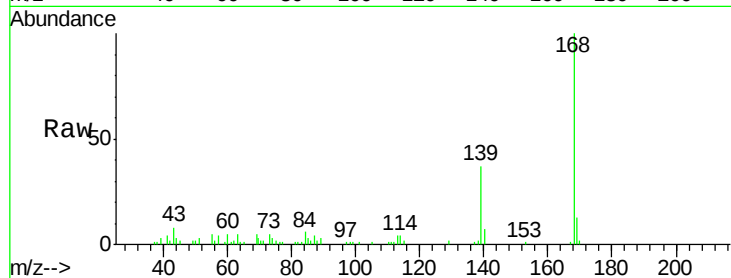
Tgt Ion:168 Resp: 35418

Ion Ratio Lower Upper

168 100

139 37.1 30.5 45.7

169 13.4 10.4 15.6



#56

2,4-Dinitrotoluene

Concen: 6.60 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.24 min

Lab File: BF084345.D

Acq: 9 Jan 2016 00:58

Tgt Ion:165 Resp: 70987

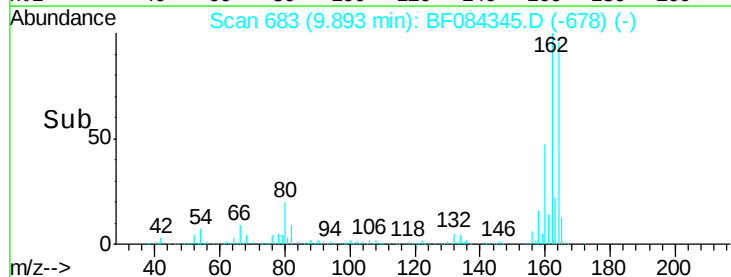
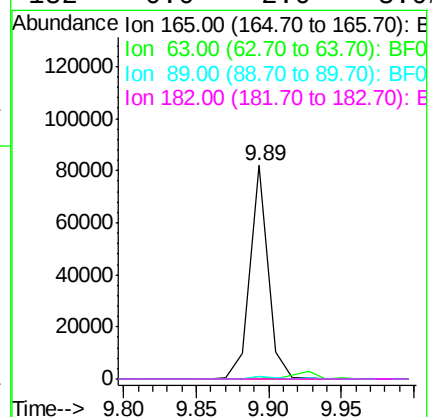
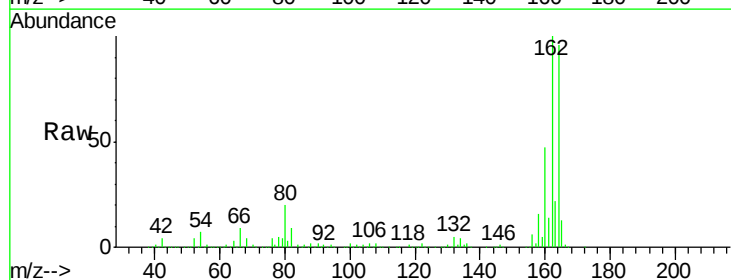
Ion Ratio Lower Upper

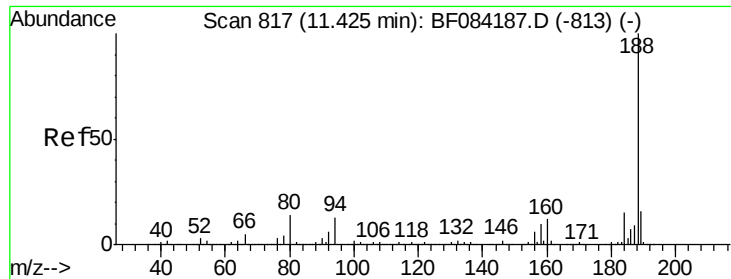
165 100

63 1.2 36.7 55.1#

89 1.3 61.9 92.9#

182 0.0 2.0 3.0#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.05 min

Lab File: BF084345.D

Acq: 9 Jan 2016 00:58

Instrument :

BNA_F

ClientSampleId :

HAZ-COMP

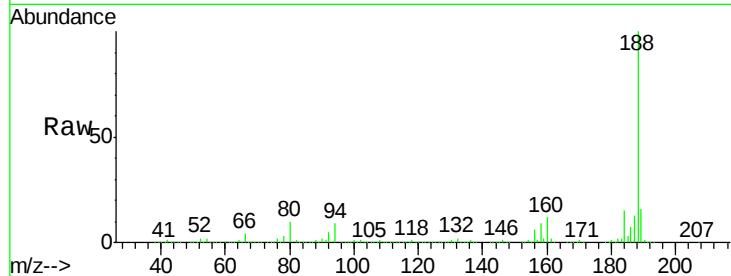
Tgt Ion:188 Resp: 1011553

Ion Ratio Lower Upper

188 100

94 9.2 9.0 13.4

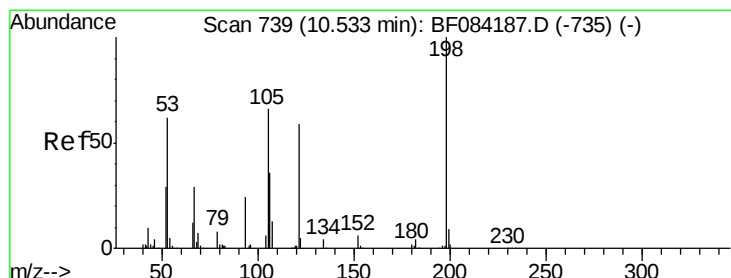
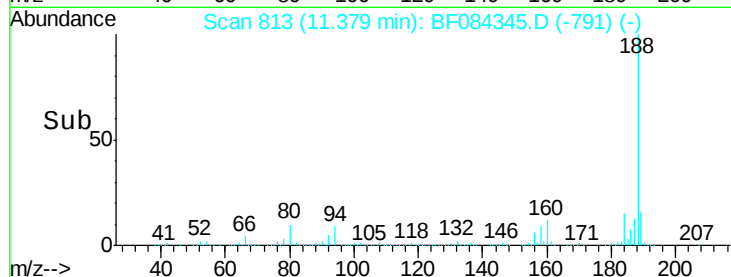
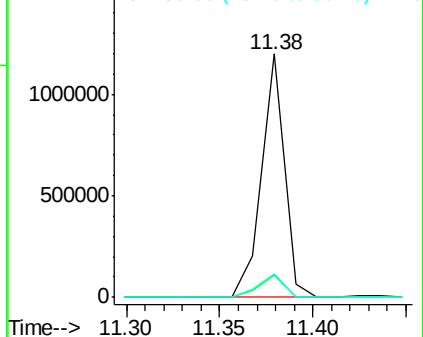
80 9.5 9.6 14.4#



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: BF084345.D

Acq: 9 Jan 2016 00:58

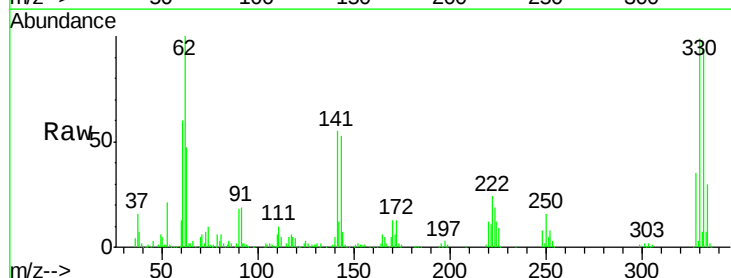
Tgt Ion:198 Resp: 1250

Ion Ratio Lower Upper

198 100

51 186.8 18.9 58.9#

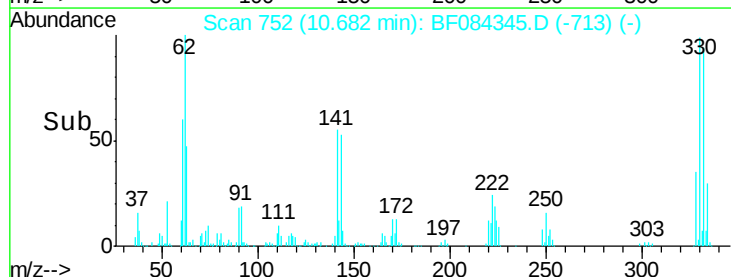
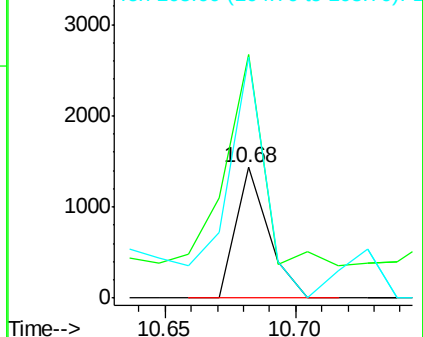
105 185.4 26.4 66.4#

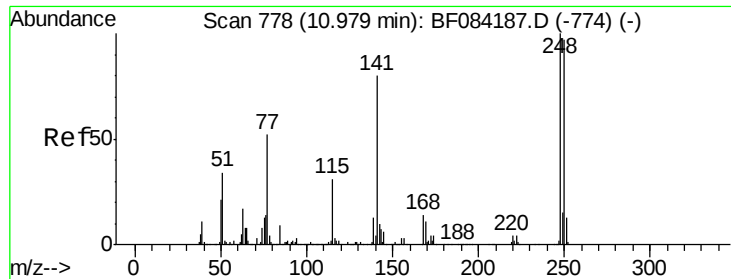


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

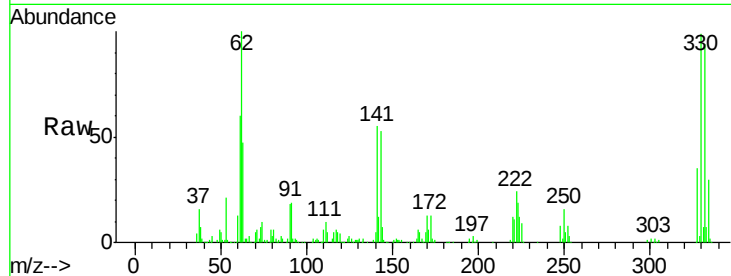




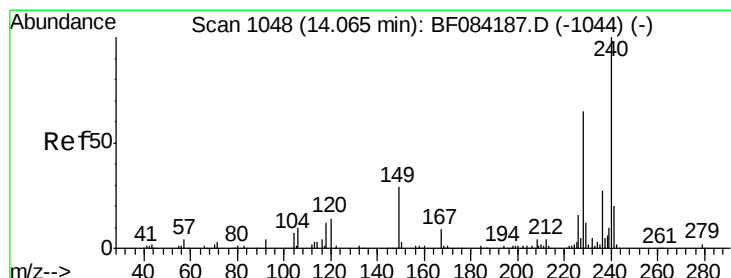
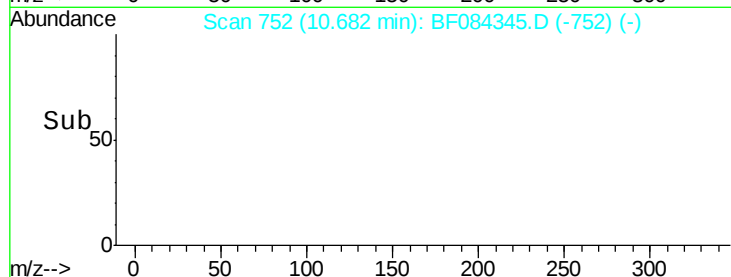
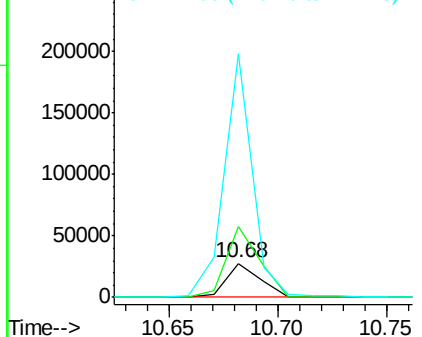
#66
4-Bromophenyl-phenylether
Concen: 2.74 ng
RT: 10.68 min Scan# 752
Delta R.T. -0.30 min
Lab File: BF084345.D
Acq: 9 Jan 2016 00:58

Instrument :
BNA_F
ClientSampleId :
HAZ-COMP

Tgt Ion:248 Resp: 29881
Ion Ratio Lower Upper
248 100
250 206.1 78.4 117.6#
141 710.7 44.0 66.0#

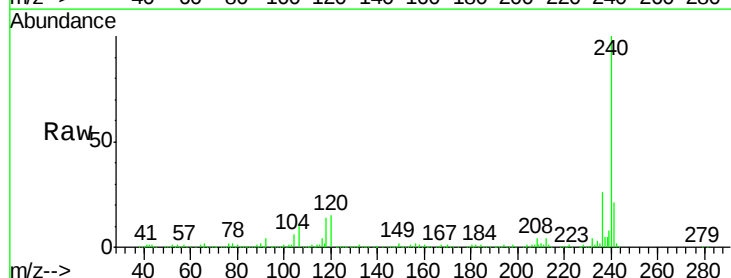


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

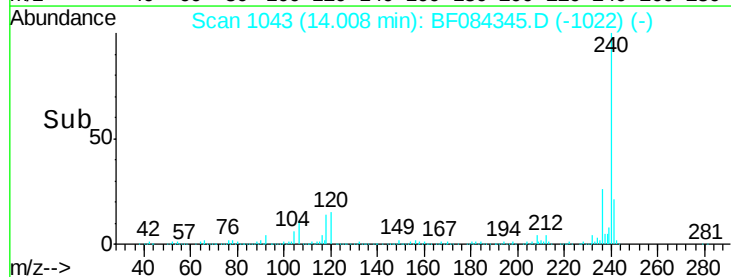
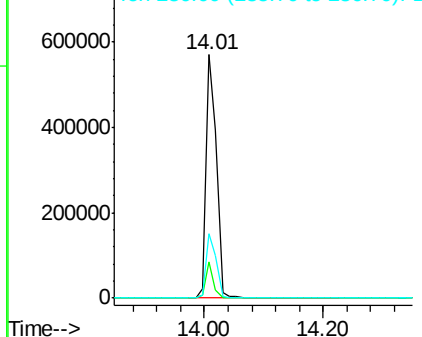


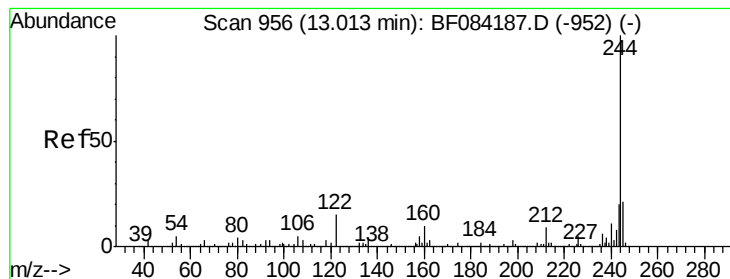
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.06 min
Lab File: BF084345.D
Acq: 9 Jan 2016 00:58

Tgt Ion:240 Resp: 697285
Ion Ratio Lower Upper
240 100
120 15.0 9.5 14.3#
236 26.2 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: 78.47 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.05 min

Lab File: BF084345.D

Acq: 9 Jan 2016 00:58

Instrument :

BNA_F

ClientSampleId :

HAZ-COMP

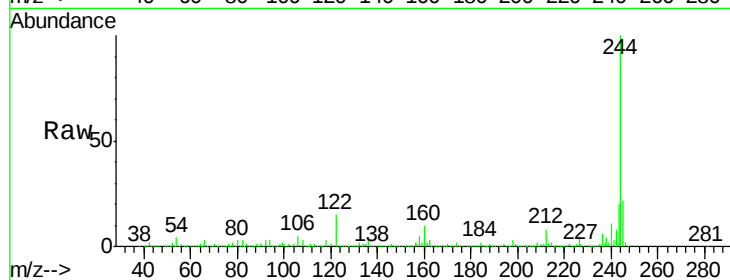
Tgt Ion:244 Resp: 2451190

Ion Ratio Lower Upper

244 100

212 8.3 5.7 8.5

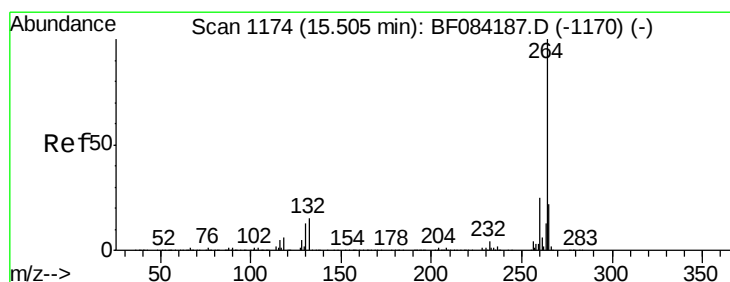
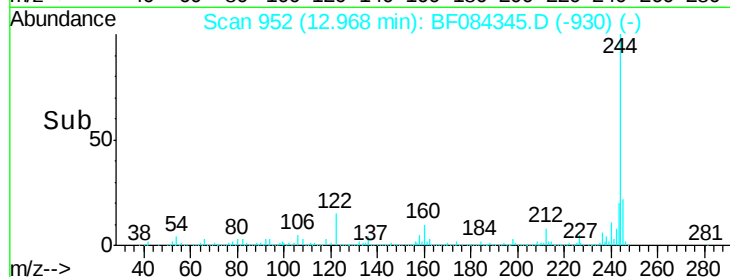
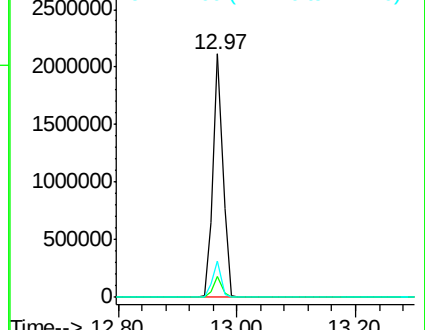
122 14.7 7.4 11.0#



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: 15.44 min Scan# 1168

Delta R.T. -0.07 min

Lab File: BF084345.D

Acq: 9 Jan 2016 00:58

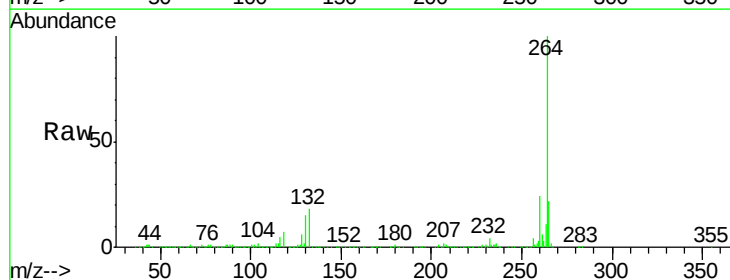
Tgt Ion:264 Resp: 523013

Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.2

265 21.8 17.8 26.6



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

