

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
 Data File : BF084446.D
 Acq On : 13 Jan 2016 17:26
 Operator : SJ/UM
 Sample : PB87794BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB87794BL

Quant Time: Jan 14 11:10:51 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	6.83	152	257757	20.00	ng	-0.07
21) Naphthalene-d8	8.12	136	1107607	20.00	ng	-0.07
38) Acenaphthene-d10	9.87	164	517813	20.00	ng	-0.08
63) Phenanthrene-d10	11.36	188	980370	20.00	ng	-0.07
75) Chrysene-d12	13.99	240	841935	20.00	ng	-0.08
86) Perylene-d12	15.41	264	617699	20.00	ng	-0.09

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	1666146	104.55	ng	-0.04
7) Phenol-d6	6.48	99	1938640	96.86	ng	-0.06
23) Nitrobenzene-d5	7.40	82	1485268	74.63	ng	-0.07
41) 2,4,6-Tribromophenol	10.66	330	499947	95.63	ng	-0.08
44) 2-Fluorobiphenyl	9.20	172	2135799	71.56	ng	-0.07
78) Terphenyl-d14	12.94	244	2140129	56.74	ng	-0.07

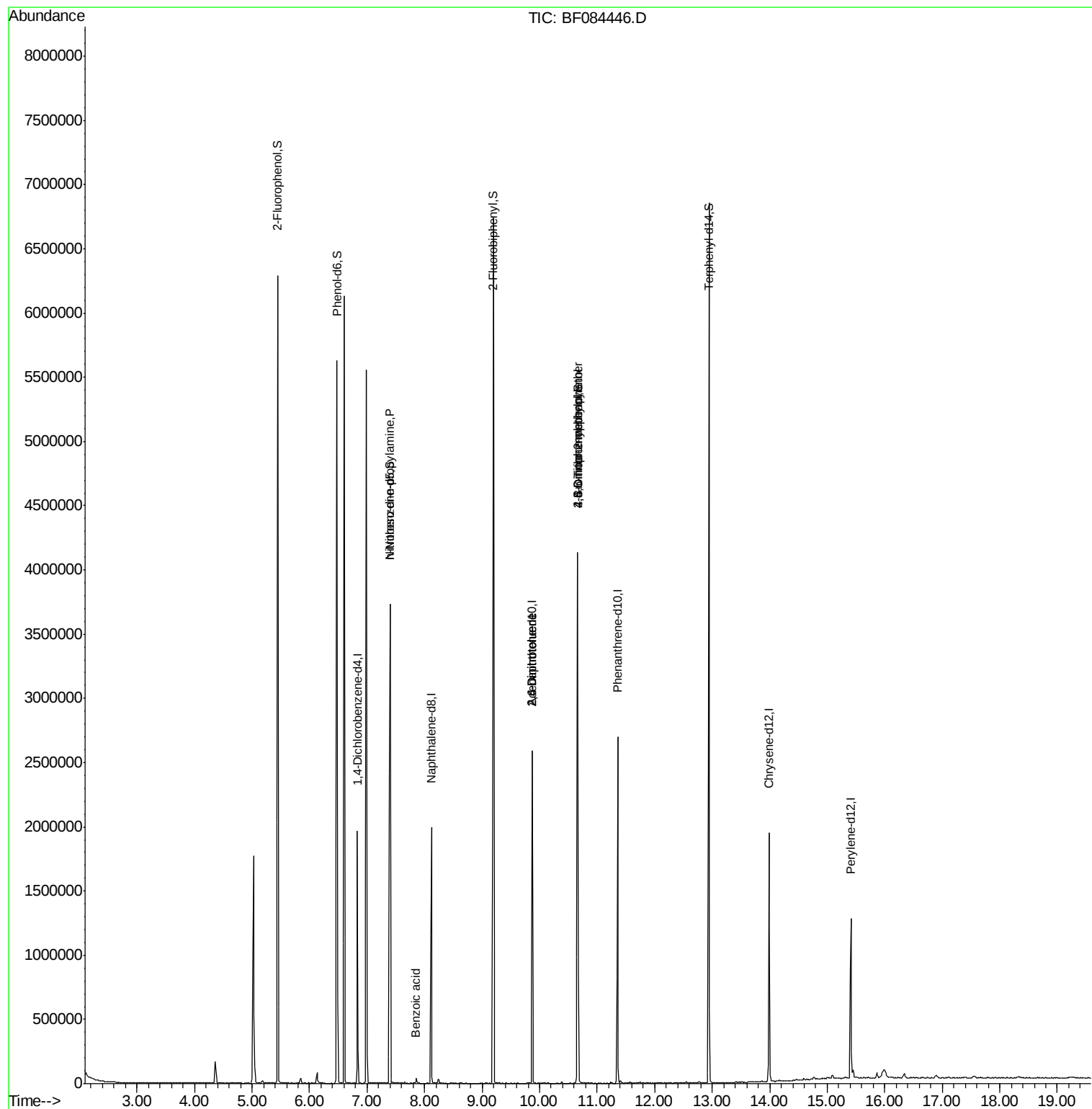
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	198914	14.68	ng	# 75
32) Benzoic acid	7.85	122	1236	6.34	ng	# 69
50) 2,6-Dinitrotoluene	9.87	165	66538	8.20	ng	# 37
54) Dibenzofuran	10.06	168	694	Below Cal		# 45
56) 2,4-Dinitrotoluene	9.87	165	66541	6.48	ng	# 21
57) Fluorene	10.66	166	22617	Below Cal		# 90
64) 4,6-Dinitro-2-methylphenol	10.66	198	991	6.55	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	29365	2.78	ng	# 1
73) Di-n-butylphthalate	11.92	149	3589	Below Cal		# 79

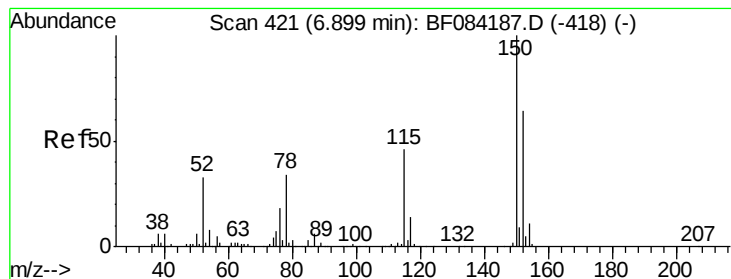
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

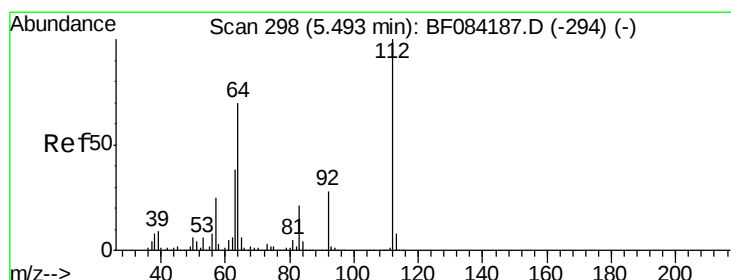
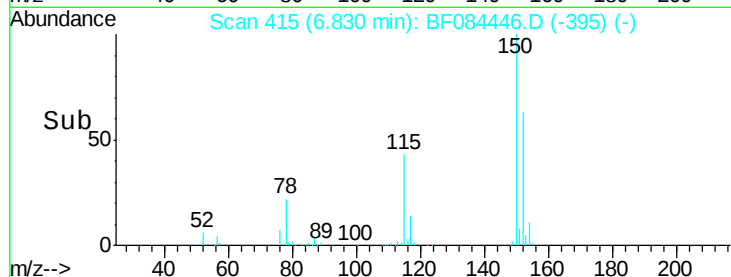
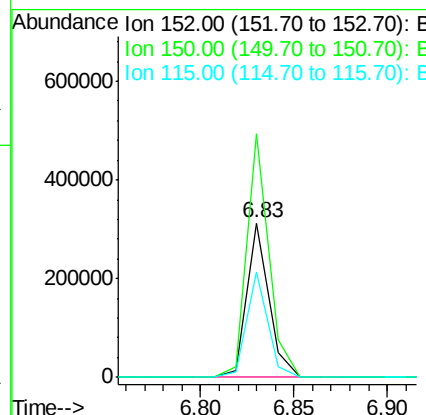
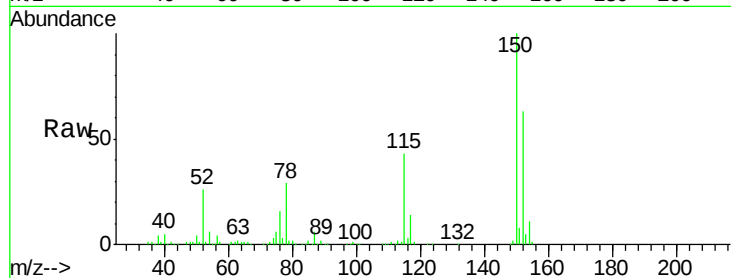




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.83 min Scan# 415
 Delta R.T. -0.07 min
 Lab File: BF084446.D
 Acq: 13 Jan 2016 17:26

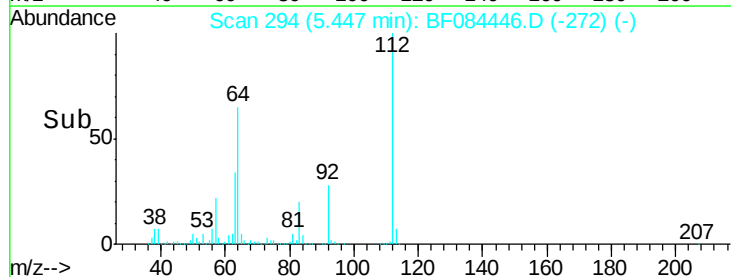
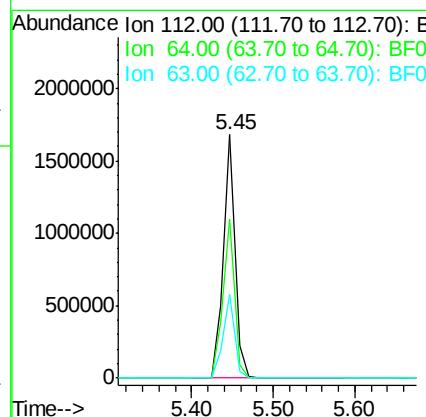
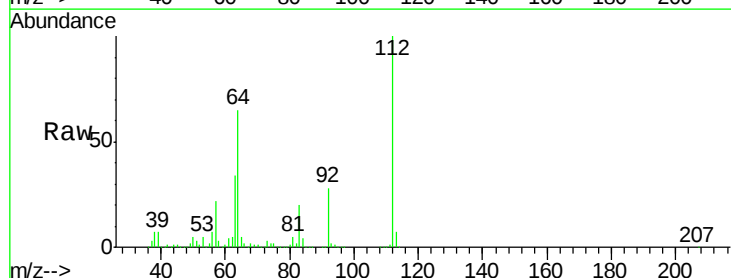
Instrument :
 BNA_F
 ClientSampleId :
 PB87794BL

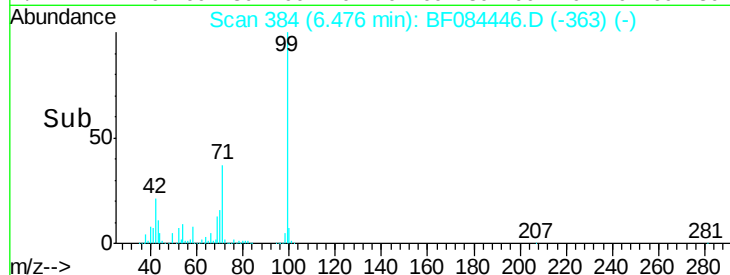
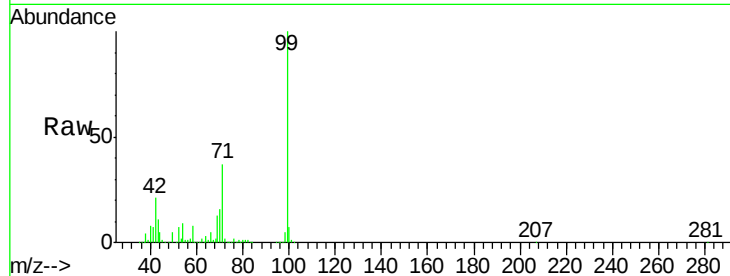
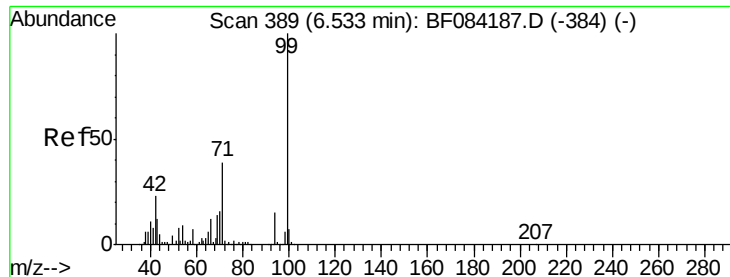
Tot Ion:152 Resp: 257757
 Ion Ratio Lower Upper
 152 100
 150 157.5 123.0 184.4
 115 67.8 51.4 77.2



#5
 2-Fluorophenol
 Concen: 104.55 ng
 RT: 5.45 min Scan# 294
 Delta R.T. -0.04 min
 Lab File: BF084446.D
 Acq: 13 Jan 2016 17:26

Tgt Ion:112 Resp: 1666146
 Ion Ratio Lower Upper
 112 100
 64 65.4 36.6 55.0#
 63 34.5 19.4 29.0#





#7

Phenol-d6

Concen: 96.86 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.06 min

Lab File: BF084446.D

Acq: 13 Jan 2016 17:26

Instrument :

BNA_F

ClientSampleId :

PB87794BL

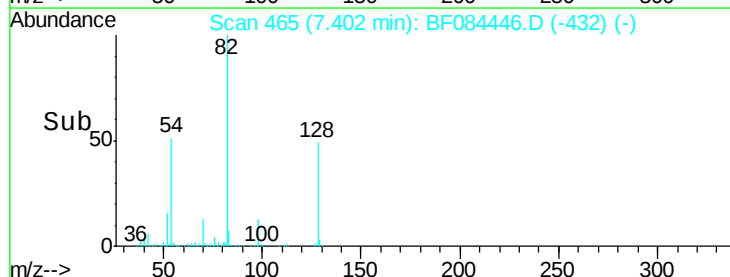
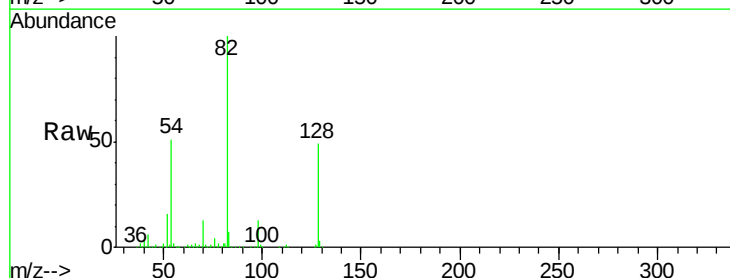
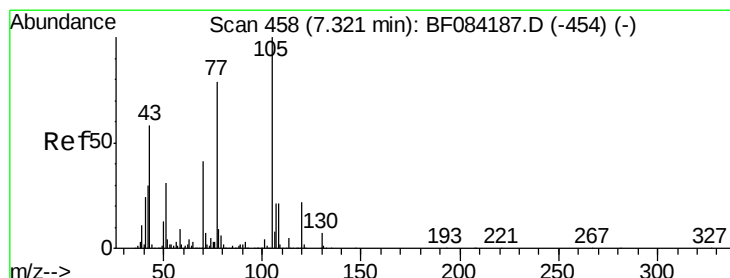
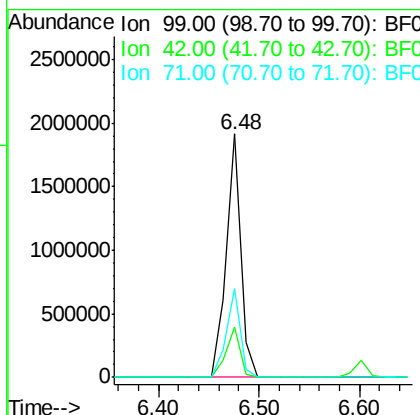
Tot Ion: 99 Resp: 1938640

Ion Ratio Lower Upper

99 100

42 20.7 12.8 19.2#

71 36.6 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 14.68 ng

RT: 7.40 min Scan# 465

Delta R.T. 0.08 min

Lab File: BF084446.D

Acq: 13 Jan 2016 17:26

Tgt Ion: 70 Resp: 198914

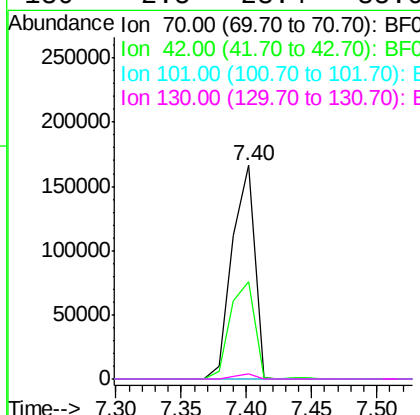
Ion Ratio Lower Upper

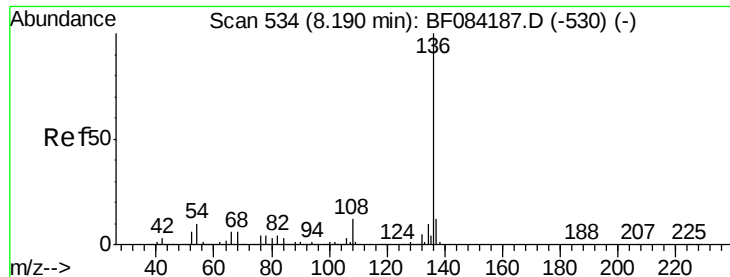
70 100

42 45.5 33.3 49.9

101 0.0 9.3 13.9#

130 2.5 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.07 min

Lab File: BF084446.D

Acq: 13 Jan 2016 17:26

Instrument :

BNA_F

ClientSampleId :

PB87794BL

Tot Ion:136 Resp: 1107607

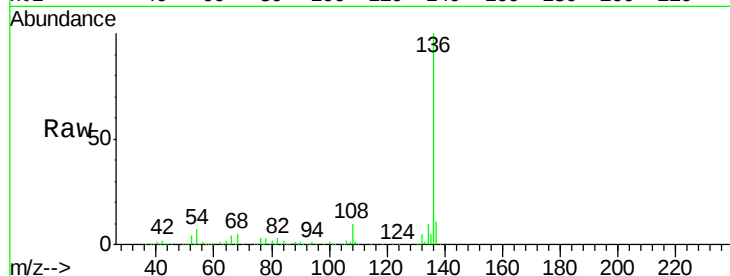
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 7.4 5.8 8.8

68 4.7 4.2 6.2

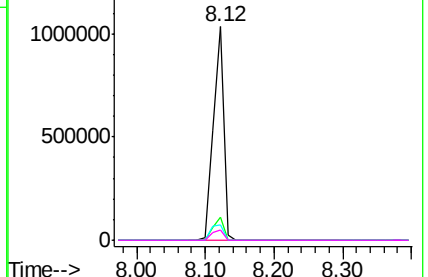
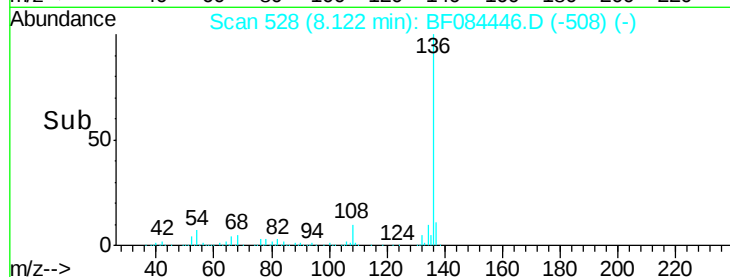


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.63 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.07 min

Lab File: BF084446.D

Acq: 13 Jan 2016 17:26

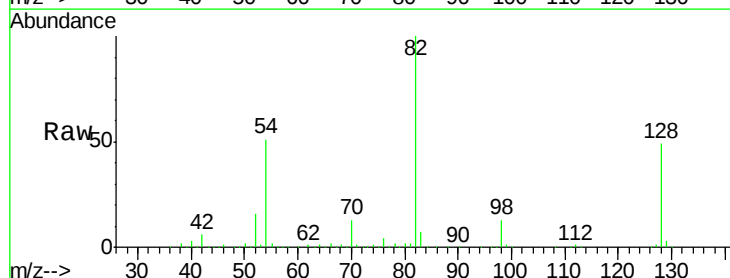
Tgt Ion: 82 Resp: 1485268

Ion Ratio Lower Upper

82 100

128 48.9 34.6 51.8

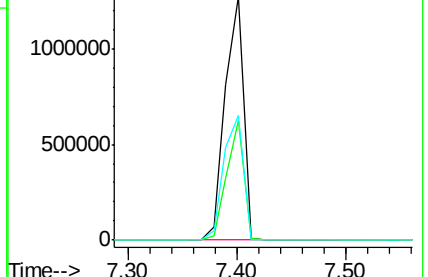
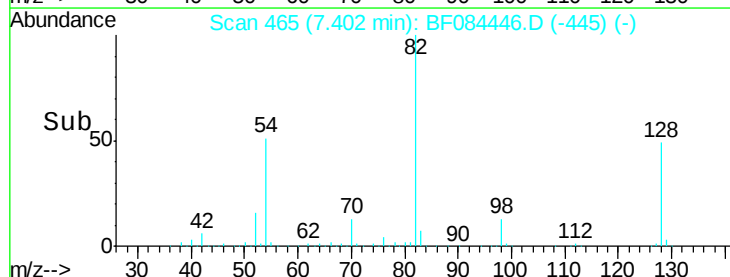
54 51.3 38.4 57.6



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: 6.34 ng

RT: 7.85 min Scan# 504

Delta R.T. -0.11 min

Lab File: BF084446.D

Acq: 13 Jan 2016 17:26

Instrument :

BNA_F

ClientSampleId :

PB87794BL

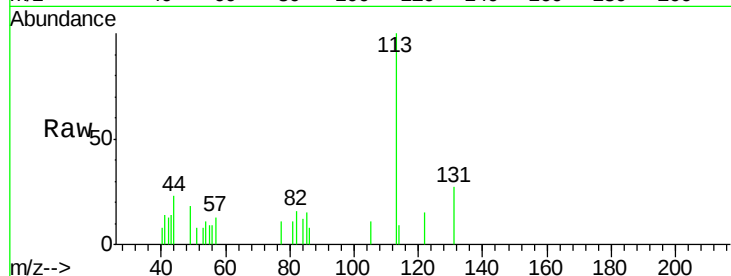
Tot Ion:122 Resp: 1236

Ion Ratio Lower Upper

122 100

105 70.6 100.3 140.3#

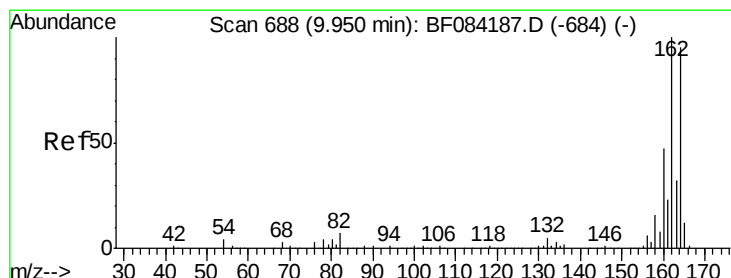
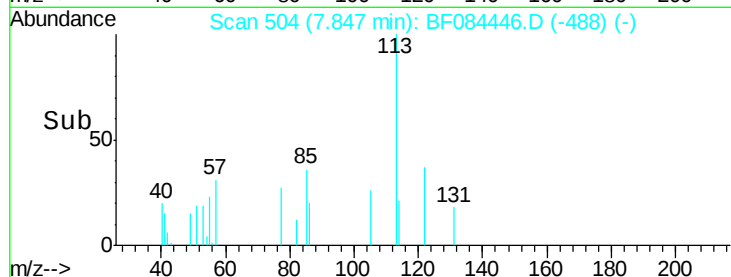
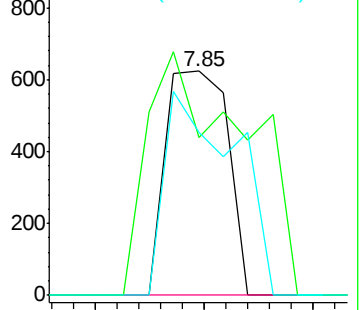
77 72.6 63.5 103.5



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: 9.87 min Scan# 681

Delta R.T. -0.08 min

Lab File: BF084446.D

Acq: 13 Jan 2016 17:26

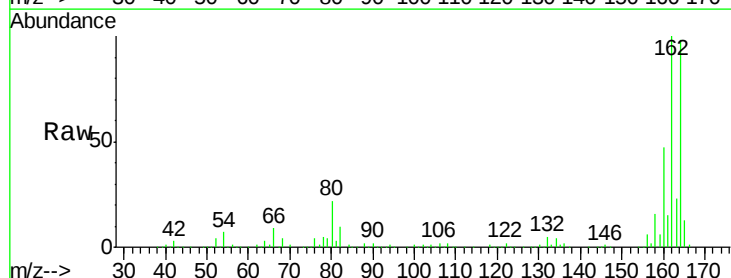
Tgt Ion:164 Resp: 517813

Ion Ratio Lower Upper

164 100

162 102.6 85.1 127.7

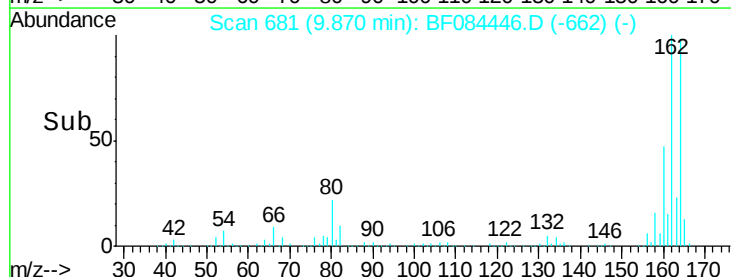
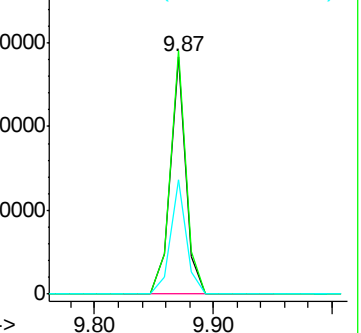
160 47.9 37.5 56.3



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

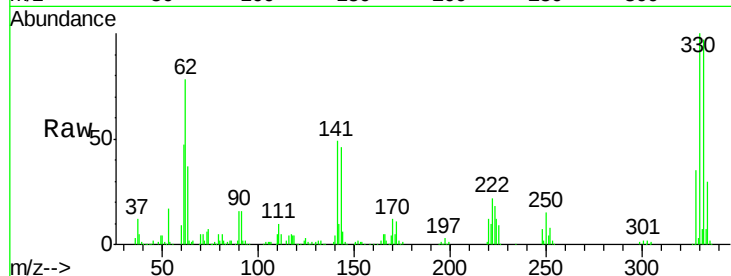




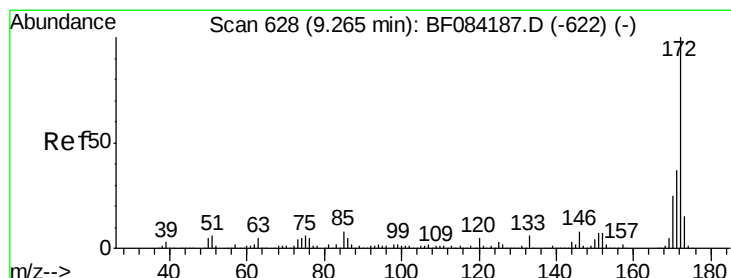
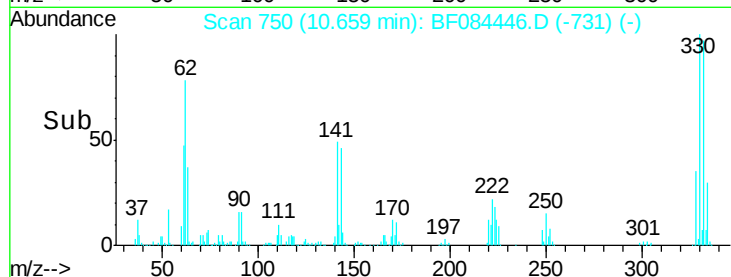
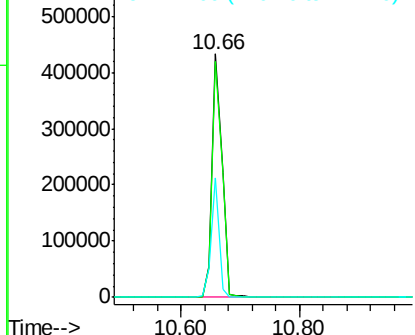
#41
 2,4,6-Tribromophenol
 Concen: 95.63 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.08 min
 Lab File: BF084446.D
 Acq: 13 Jan 2016 17:26

Instrument :
 BNA_F
 ClientSampleId :
 PB87794BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.6	114.8
141	39.0	27.8	41.6

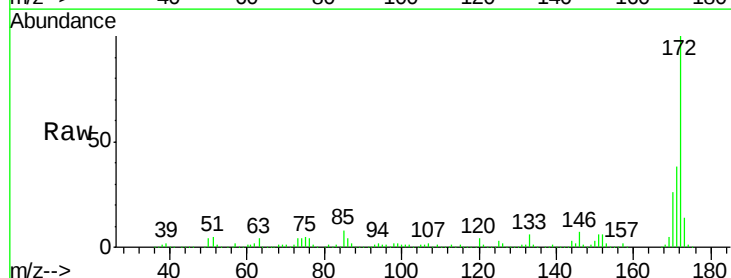


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

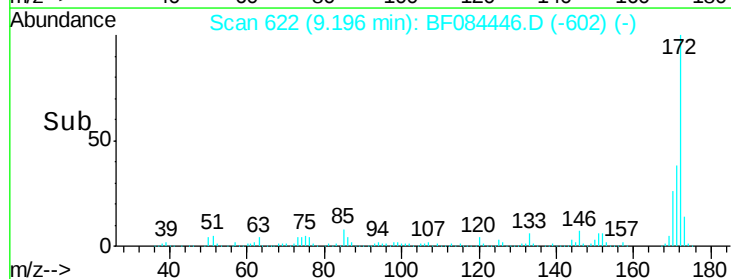
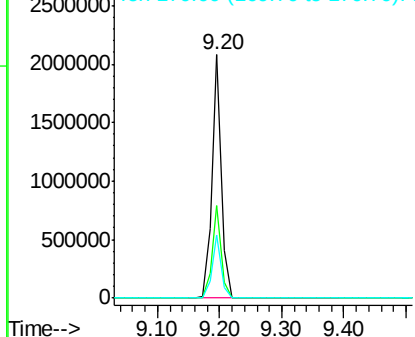


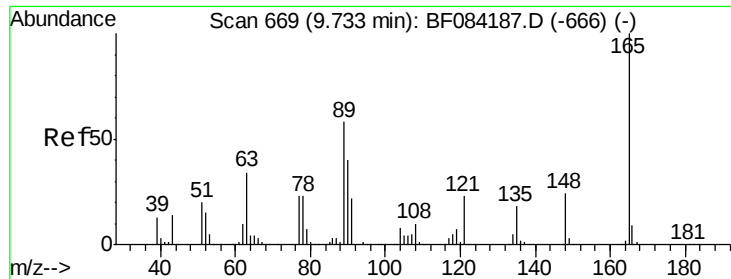
#44
 2-Fluorobiphenyl
 Concen: 71.56 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.07 min
 Lab File: BF084446.D
 Acq: 13 Jan 2016 17:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	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: 8.20 ng

RT: 9.87 min Scan# 681

Delta R.T. 0.14 min

Lab File: BF084446.D

Acq: 13 Jan 2016 17:26

Instrument :

BNA_F

ClientSampleId :

PB87794BL

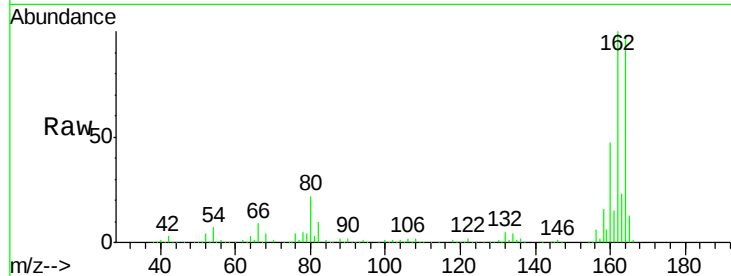
Tot Ion:165 Resp: 66538

Ion Ratio Lower Upper

165 100

63 1.1 28.8 43.2#

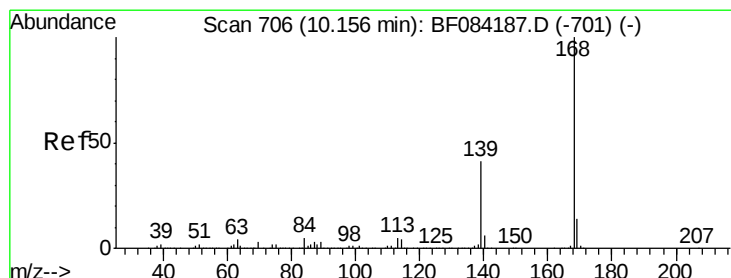
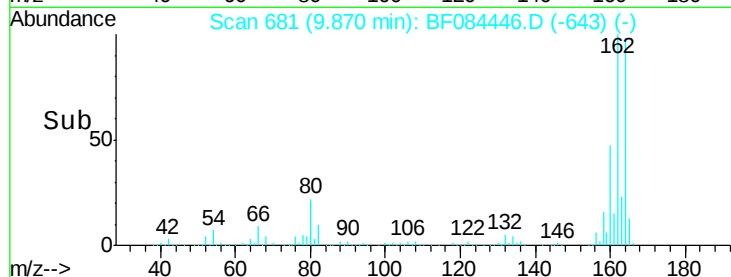
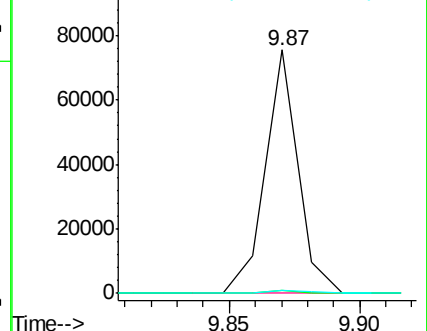
89 1.4 35.1 52.7#



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: 10.06 min Scan# 698

Delta R.T. -0.09 min

Lab File: BF084446.D

Acq: 13 Jan 2016 17:26

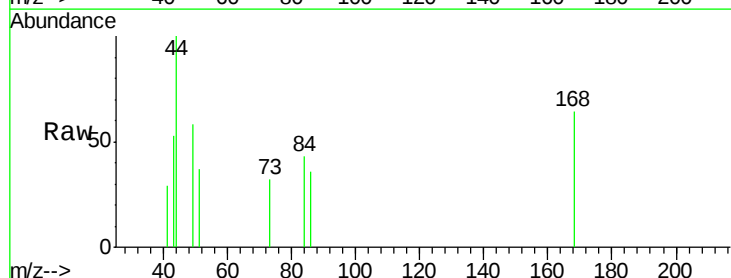
Tgt Ion:168 Resp: 694

Ion Ratio Lower Upper

168 100

139 0.0 30.5 45.7#

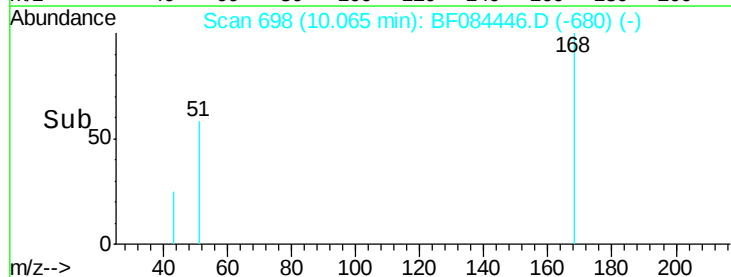
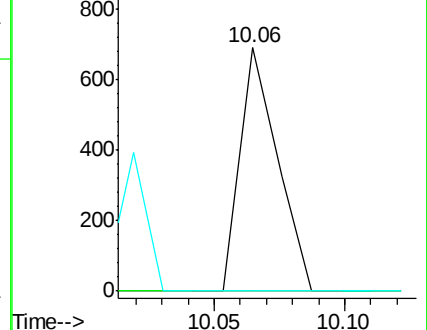
169 0.0 10.4 15.6#

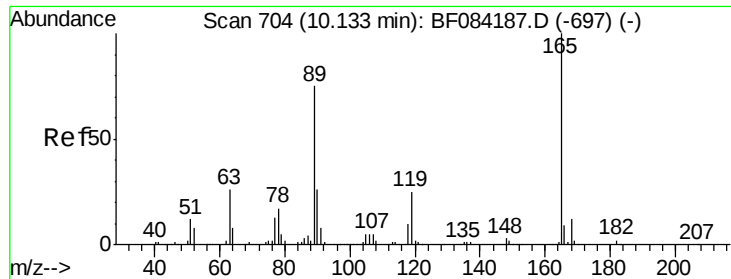


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

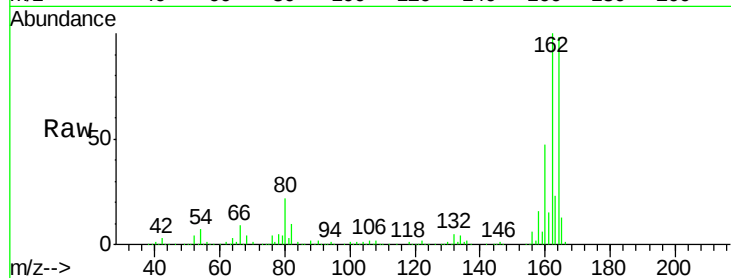




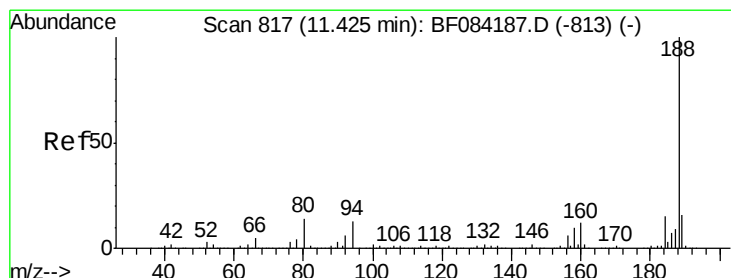
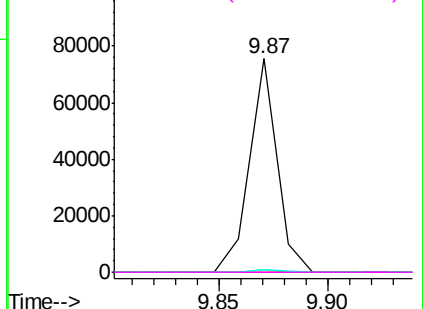
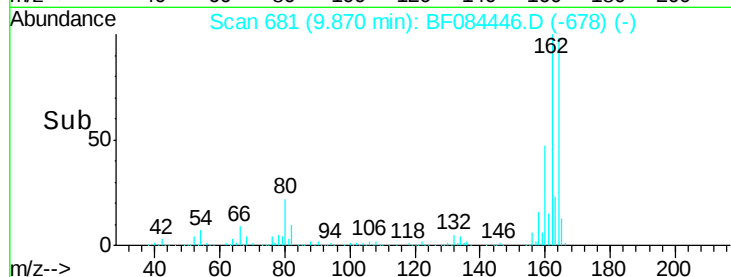
#56
 2,4-Dinitrotoluene
 Concen: 6.48 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.26 min
 Lab File: BF084446.D
 Acq: 13 Jan 2016 17:26

Instrument :
 BNA_F
 ClientSampleId :
 PB87794BL

Tot Ion:165 Resp: 66541
 Ion Ratio Lower Upper
 165 100
 63 1.1 36.7 55.1#
 89 1.4 61.9 92.9#
 182 0.0 2.0 3.0#

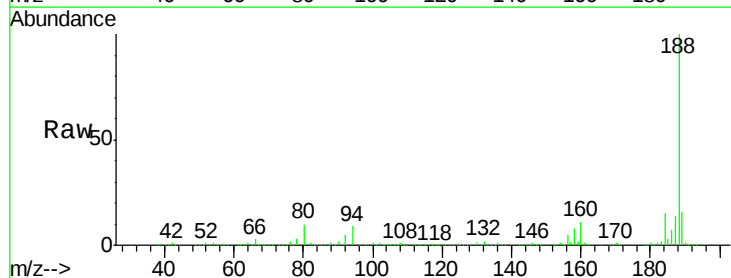


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

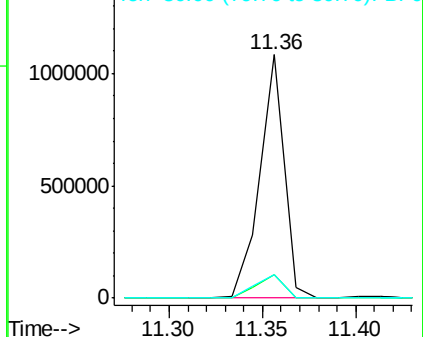
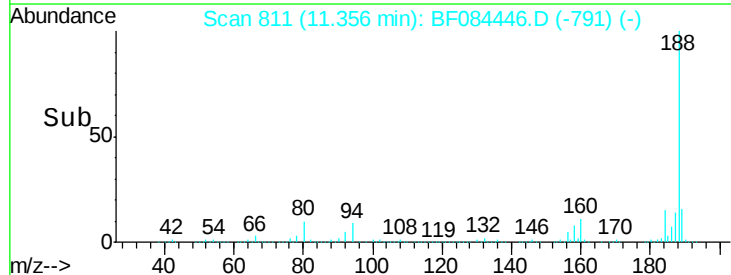


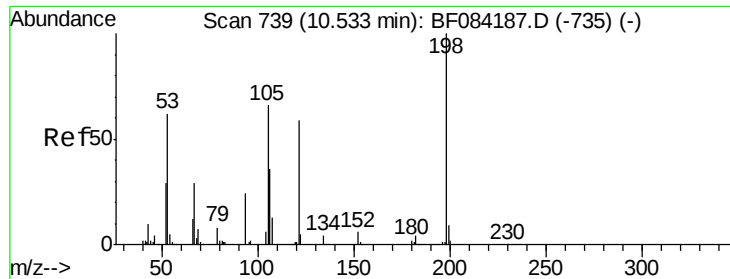
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.07 min
 Lab File: BF084446.D
 Acq: 13 Jan 2016 17:26

Tgt Ion:188 Resp: 980370
 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

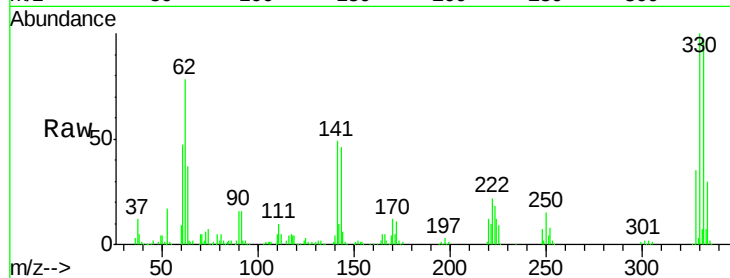




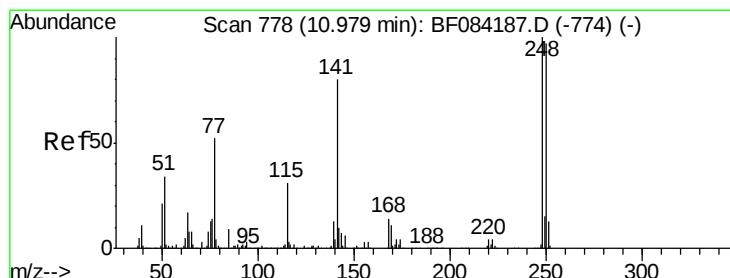
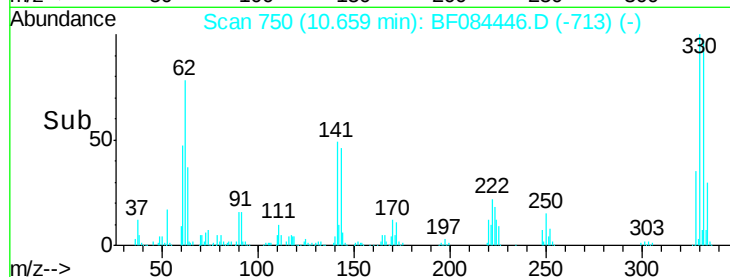
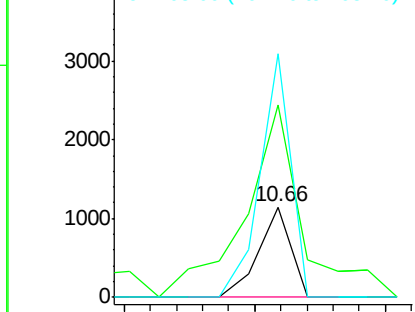
#64
4,6-Dinitro-2-methylphenol
Concen: 6.55 ng
RT: 10.66 min Scan# 750
Delta R.T. 0.13 min
Lab File: BF084446.D
Acq: 13 Jan 2016 17:26

Instrument :
BNA_F
ClientSampleId :
PB87794BL

Tot Ion:198 Resp: 991
Ion Ratio Lower Upper
198 100
51 213.3 18.9 58.9#
105 270.0 26.4 66.4#

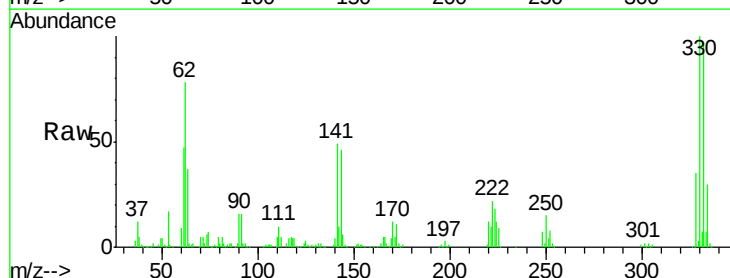


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

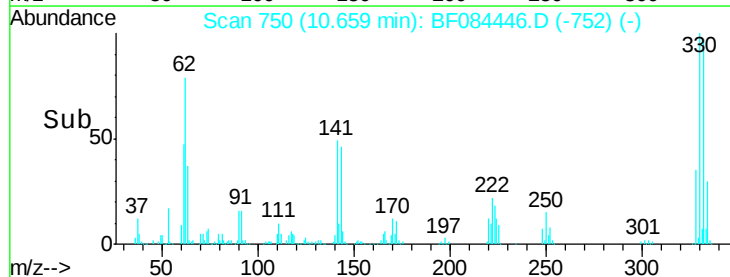
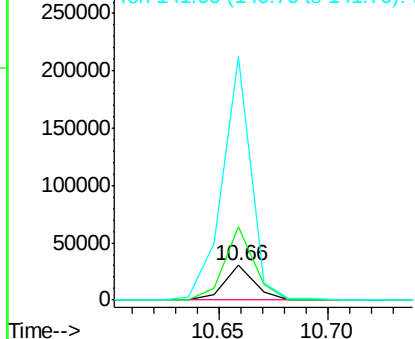


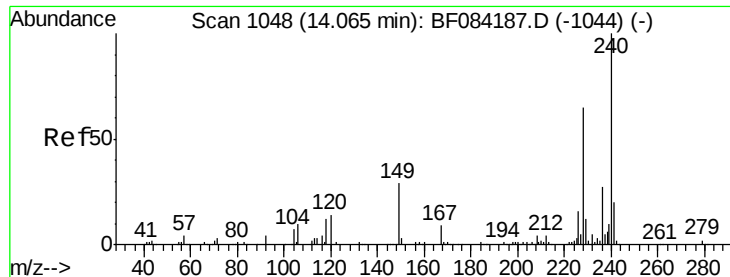
#66
4-Bromophenyl-phenylether
Concen: 2.78 ng
RT: 10.66 min Scan# 750
Delta R.T. -0.32 min
Lab File: BF084446.D
Acq: 13 Jan 2016 17:26

Tgt Ion:248 Resp: 29365
Ion Ratio Lower Upper
248 100
250 212.7 78.4 117.6#
141 702.6 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: 13.99 min Scan# 1041

Delta R.T. -0.08 min

Lab File: BF084446.D

Acq: 13 Jan 2016 17:26

Instrument :

BNA_F

ClientSampleId :

PB87794BL

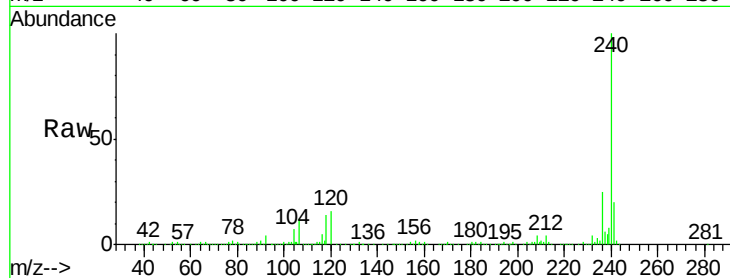
Tot Ion:240 Resp: 841935

Ion Ratio Lower Upper

240 100

120 16.2 9.5 14.3#

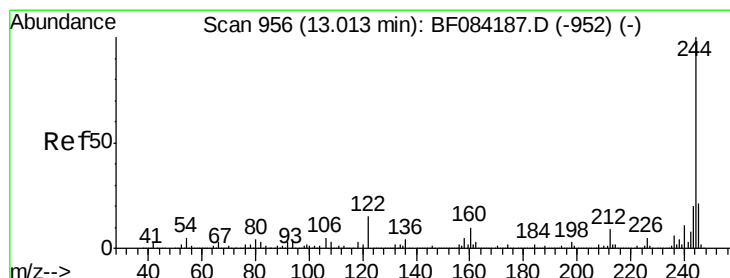
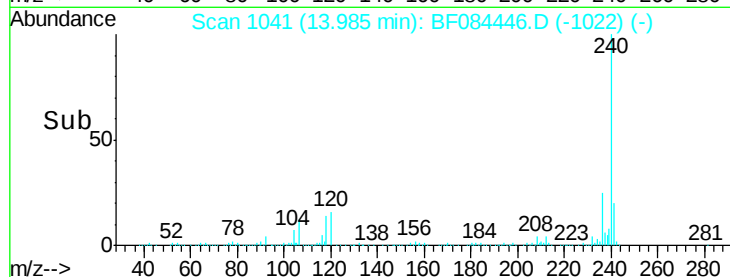
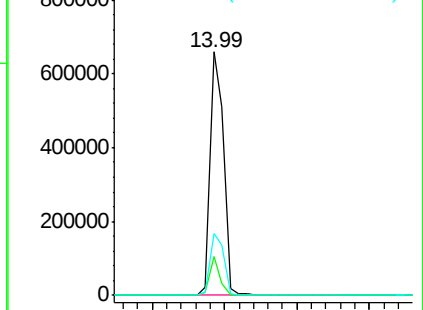
236 25.4 20.6 31.0



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: 56.74 ng

RT: 12.94 min Scan# 950

Delta R.T. -0.07 min

Lab File: BF084446.D

Acq: 13 Jan 2016 17:26

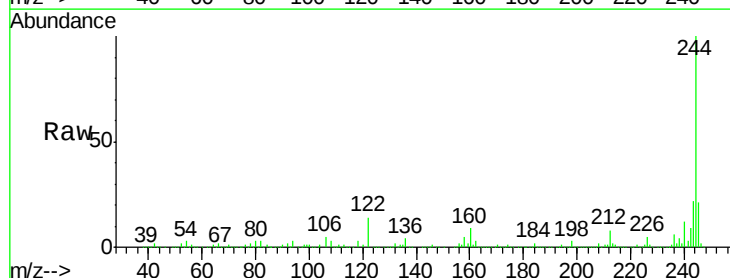
Tgt Ion:244 Resp: 2140129

Ion Ratio Lower Upper

244 100

212 8.0 5.7 8.5

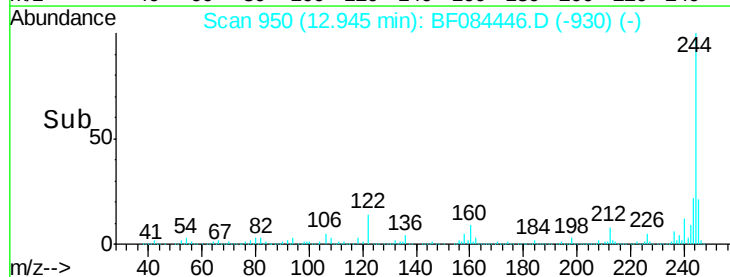
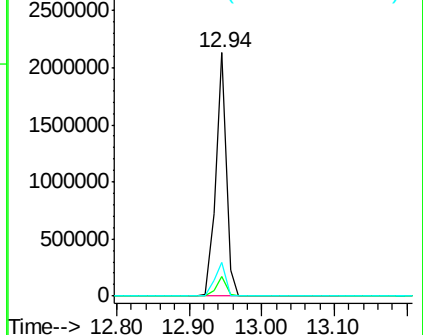
122 14.0 7.4 11.0#

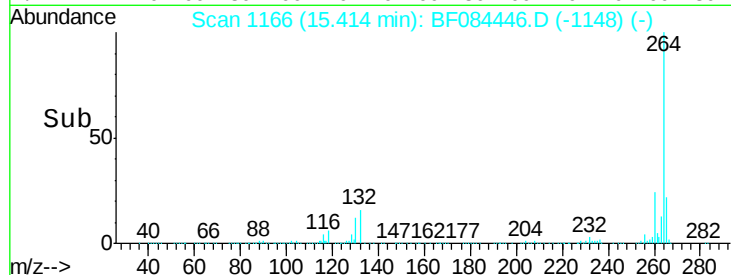
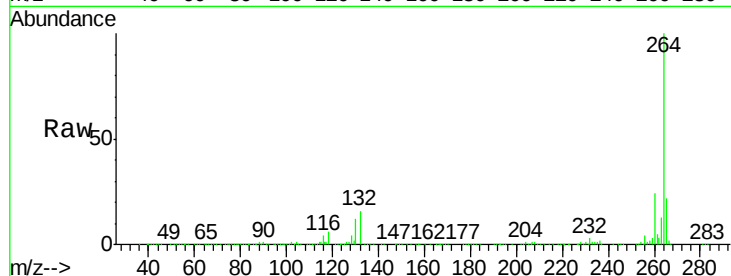
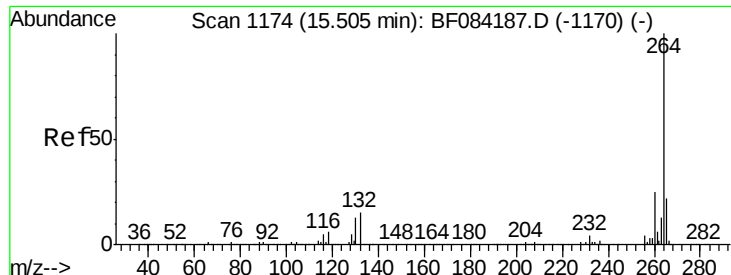


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1166
 Delta R.T. -0.09 min
 Lab File: BF084446.D
 Acq: 13 Jan 2016 17:26

Instrument :
 BNA_F
 ClientSampleId :
 PB87794BL

Tot Ion:	264	Resp:	617699
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.2
265	21.8	17.8	26.6

