

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041516\
 Data File : BF086220.D
 Acq On : 15 Apr 2016 16:57
 Operator : UM/SJ
 Sample : PB89820BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB89820BL

Quant Time: Apr 16 00:24:56 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 15 15:56:31 2016
 Response via : Initial Calibration

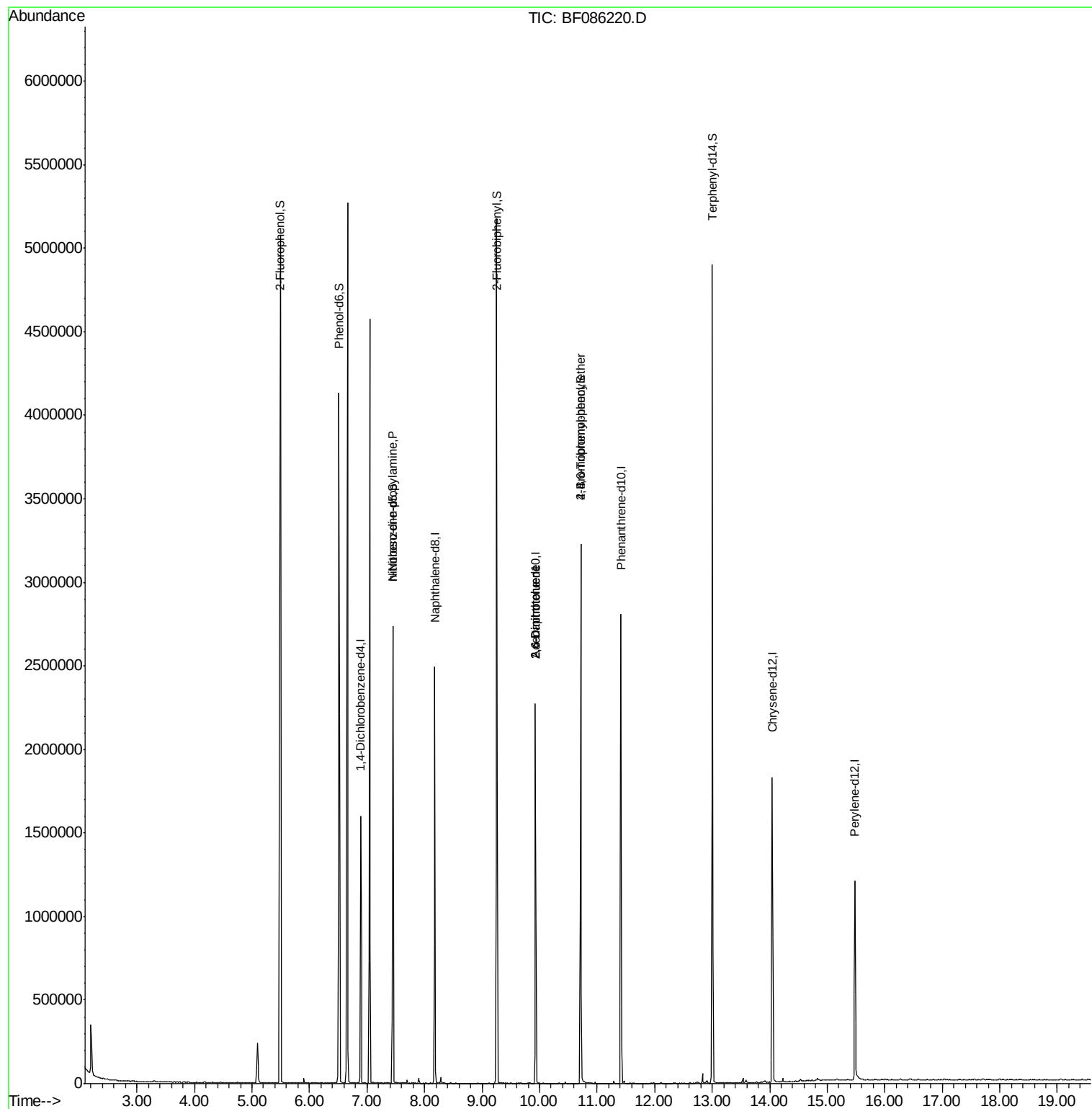
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	272927	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1154592	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	490166	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	900557	20.00	ng	0.00
75) Chrysene-d12	14.04	240	685127	20.00	ng	-0.01
86) Perylene-d12	15.48	264	525900	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1557313	93.49	ng	0.01
7) Phenol-d6	6.51	99	1961144	94.13	ng	-0.01
23) Nitrobenzene-d5	7.45	82	1347976	67.34	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	358369	91.05	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	1884536	70.95	ng	-0.01
78) Terphenyl-d14	13.00	244	1567364	57.53	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.45	70	178676	13.40	ng	# 80
22) Acetophenone	7.05	105	230	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.93	165	60946	7.73	ng	# 32
56) 2,4-Dinitrotoluene	9.93	165	60934	6.04	ng	# 31
57) Fluorene	10.72	166	18917	Below Cal	#	92
66) 4-Bromophenyl-phenylether	10.72	248	22139	2.64	ng	# 1
71) Anthracene	11.48	178	246	Below Cal	#	59
74) Fluoranthene	12.61	202	2297	Below Cal		86

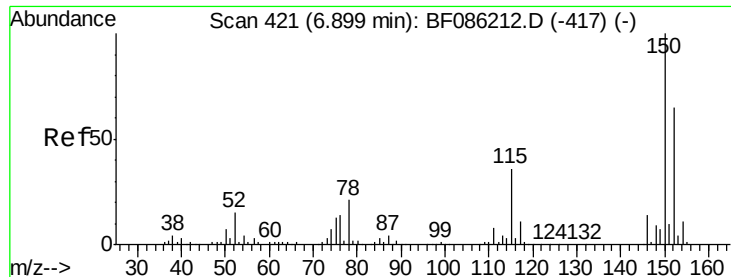
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF086220.D

Acq: 15 Apr 2016 16:57

Instrument :

BNA_F

ClientSampleId :

PB89820BL

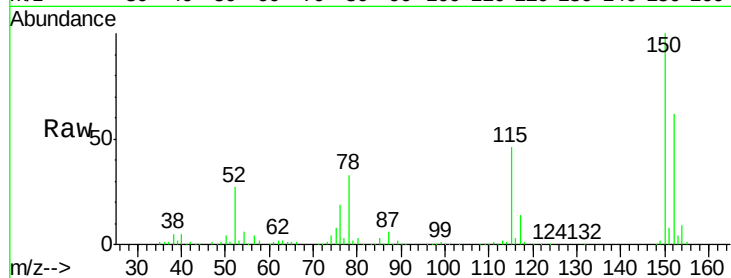
Tgt Ion:152 Resp: 272927

Ion Ratio Lower Upper

152 100

150 161.2 124.1 186.1

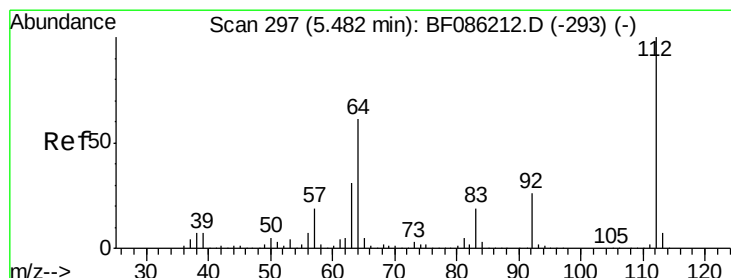
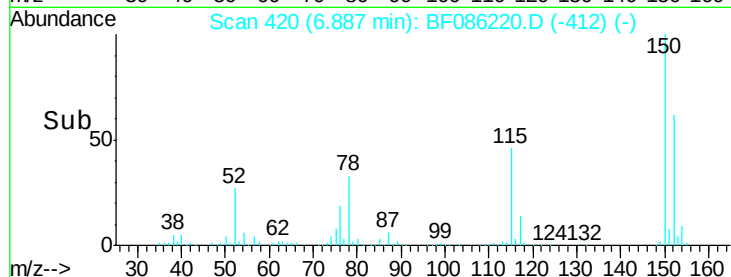
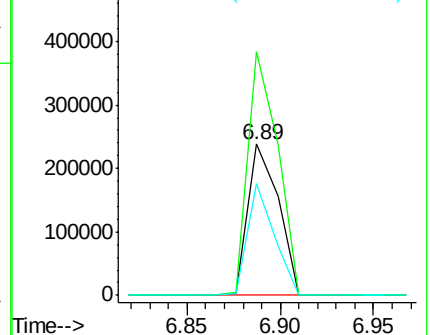
115 73.9 43.9 65.9#



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: 93.49 ng

RT: 5.49 min Scan# 298

Delta R.T. 0.01 min

Lab File: BF086220.D

Acq: 15 Apr 2016 16:57

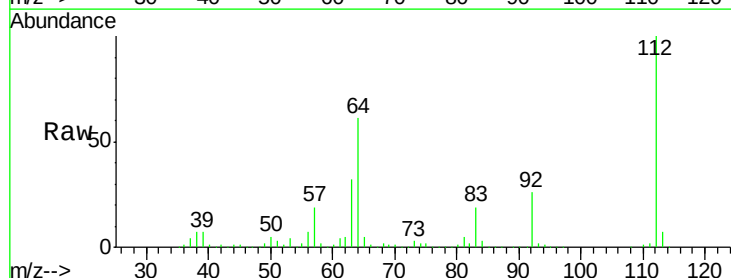
Tgt Ion:112 Resp: 1557313

Ion Ratio Lower Upper

112 100

64 60.6 48.1 72.1

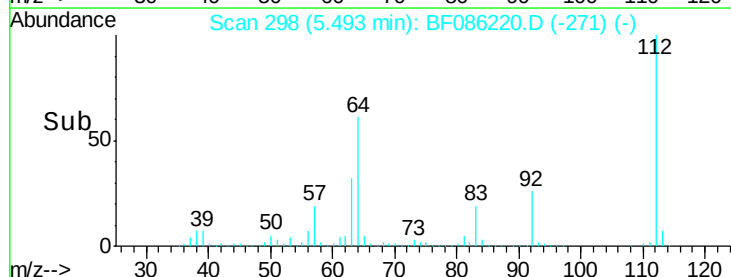
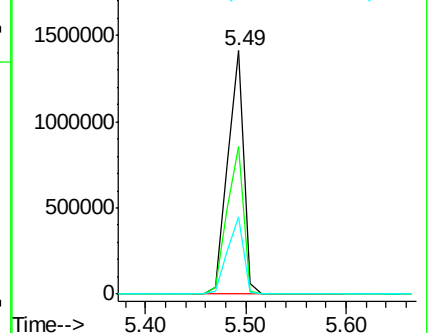
63 31.9 25.5 38.3

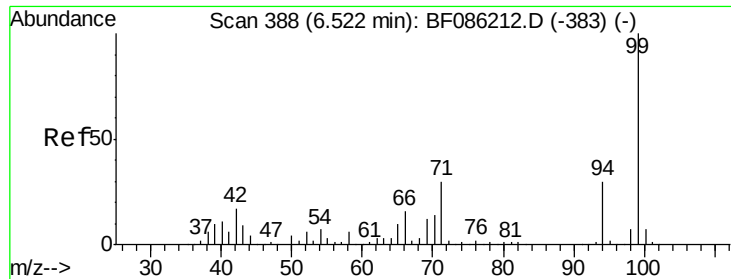


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 94.13 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF086220.D

Acq: 15 Apr 2016 16:57

Instrument :

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ClientSampleId :

PB89820BL

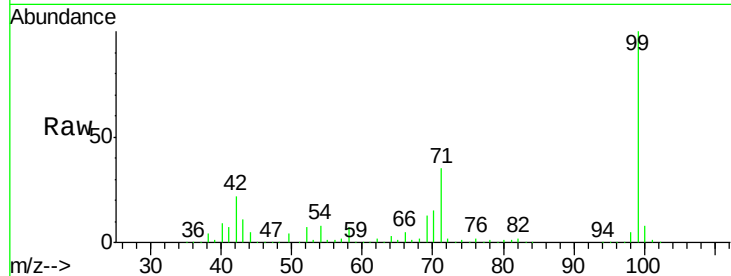
Tgt Ion: 99 Resp: 1961144

Ion Ratio Lower Upper

99 100

42 21.9 15.4 23.2

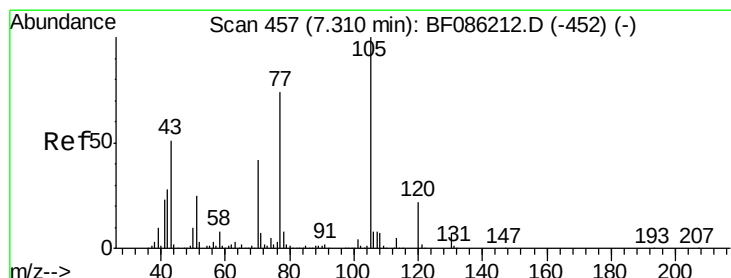
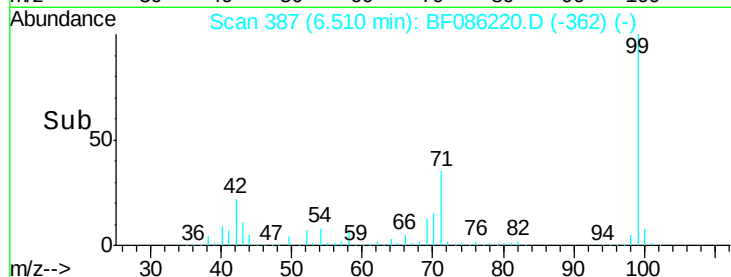
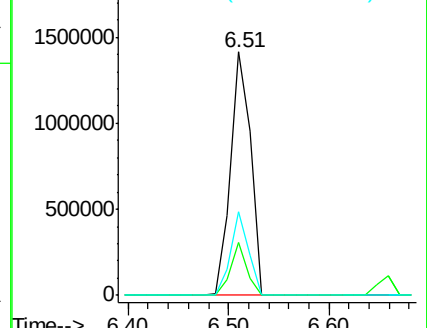
71 34.5 25.6 38.4



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 13.40 ng

RT: 7.45 min Scan# 469

Delta R.T. 0.14 min

Lab File: BF086220.D

Acq: 15 Apr 2016 16:57

Tgt Ion: 70 Resp: 178676

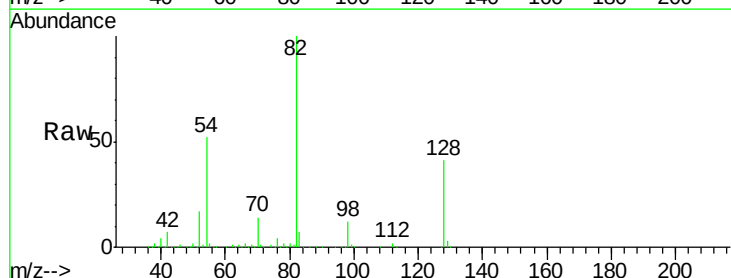
Ion Ratio Lower Upper

70 100

42 48.8 43.0 64.4

101 0.0 8.1 12.1#

130 1.9 20.1 30.1#

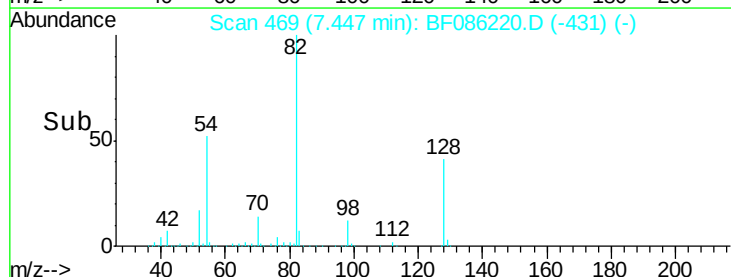
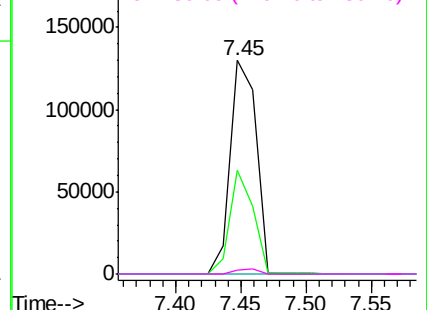


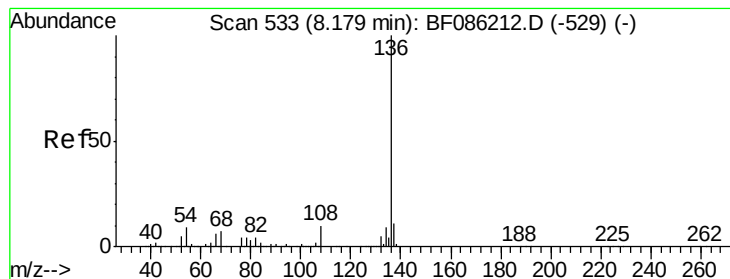
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.00 min

Lab File: BF086220.D

Acq: 15 Apr 2016 16:57

Instrument :

BNA_F

ClientSampleId :

PB89820BL

Tgt Ion: 136 Resp: 1154592

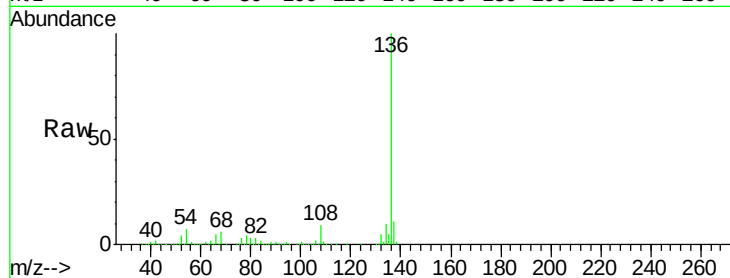
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 7.3 7.3 10.9#

68 6.0 5.7 8.5

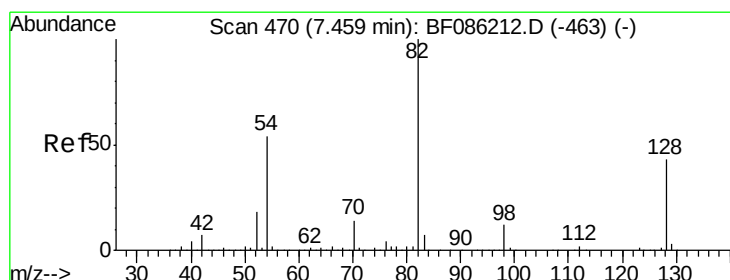
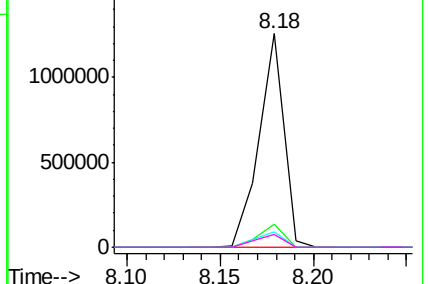
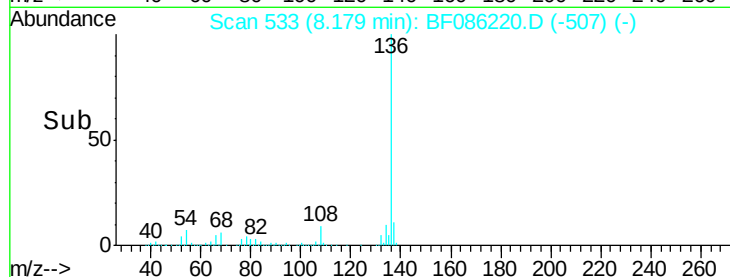


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.34 ng

RT: 7.45 min Scan# 469

Delta R.T. -0.01 min

Lab File: BF086220.D

Acq: 15 Apr 2016 16:57

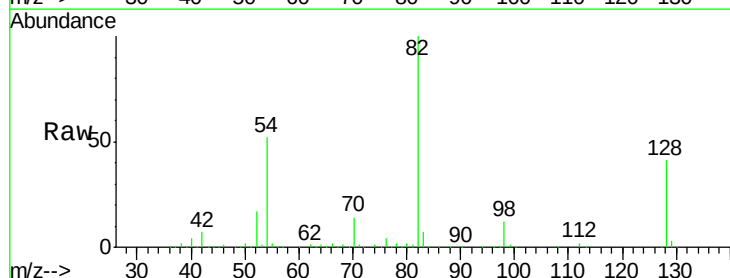
Tgt Ion: 82 Resp: 1347976

Ion Ratio Lower Upper

82 100

128 41.1 35.4 53.2

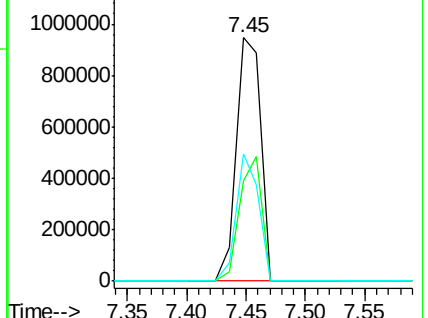
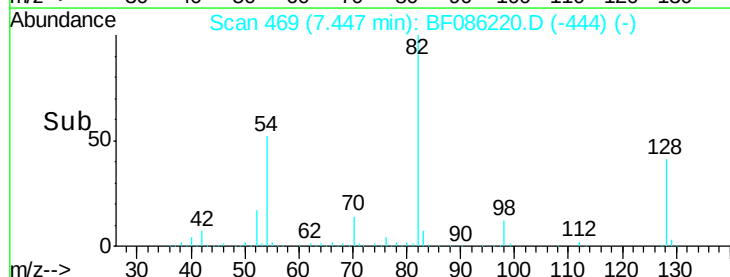
54 52.0 43.4 65.0

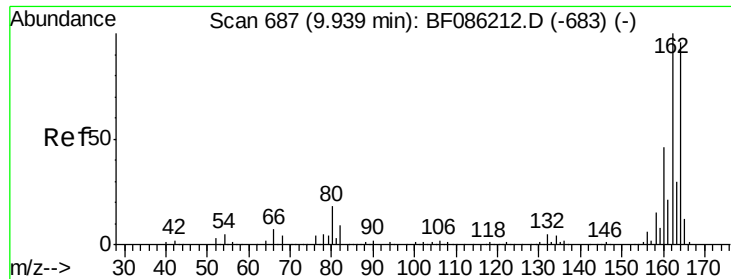


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF086220.D

Acq: 15 Apr 2016 16:57

Instrument :

BNA_F

ClientSampleId :

PB89820BL

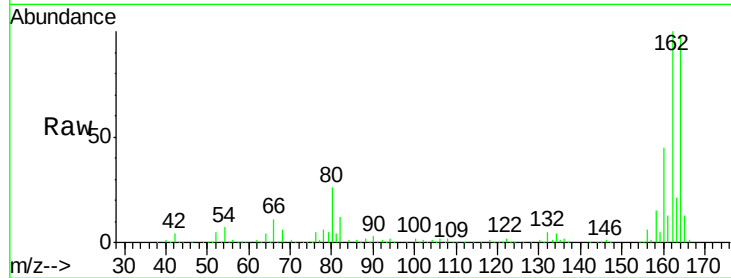
Tgt Ion:164 Resp: 490166

Ion Ratio Lower Upper

164 100

162 101.8 82.8 124.2

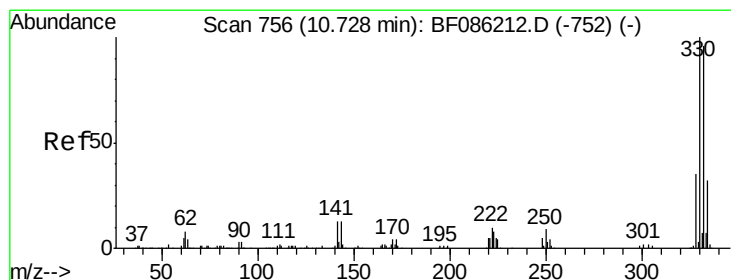
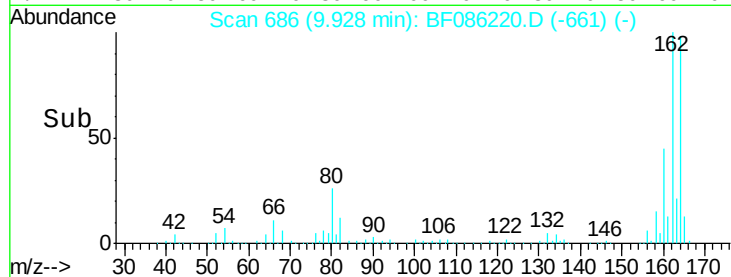
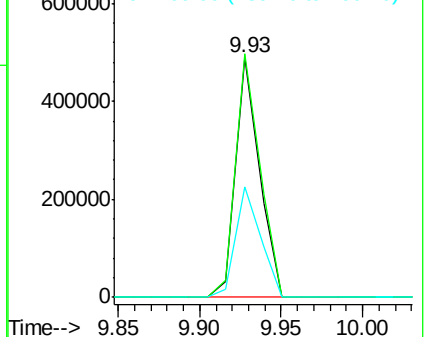
160 46.0 38.9 58.3



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: 91.05 ng

RT: 10.72 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF086220.D

Acq: 15 Apr 2016 16:57

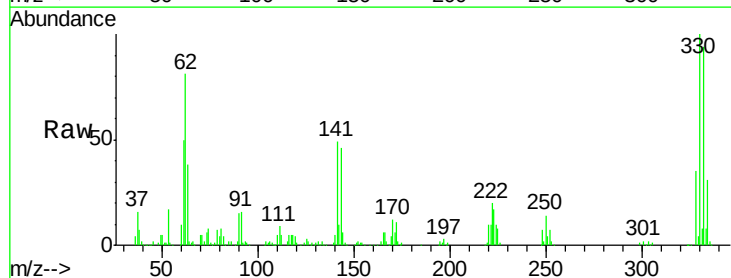
Tgt Ion:330 Resp: 358369

Ion Ratio Lower Upper

330 100

332 95.5 78.7 118.1

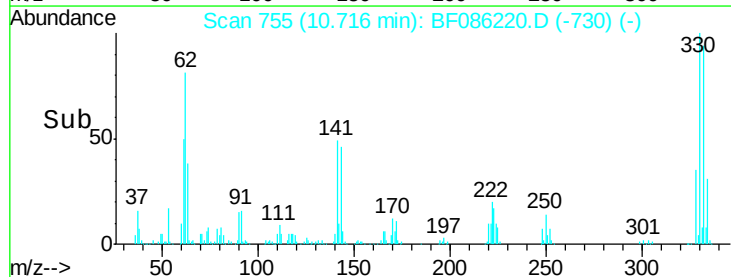
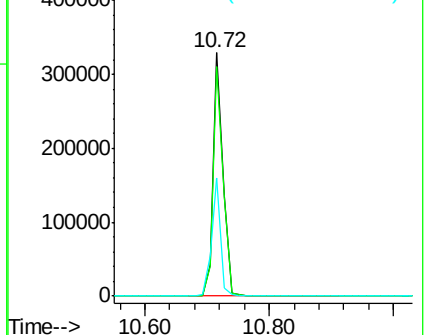
141 44.4 28.6 42.8#

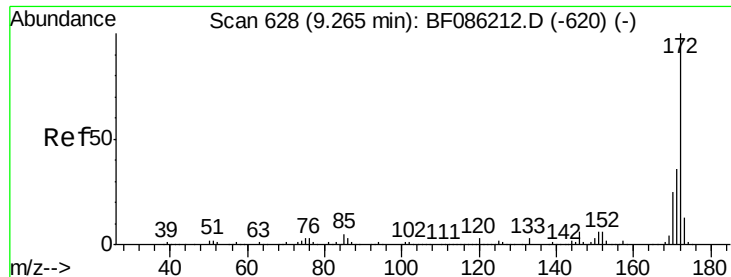


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

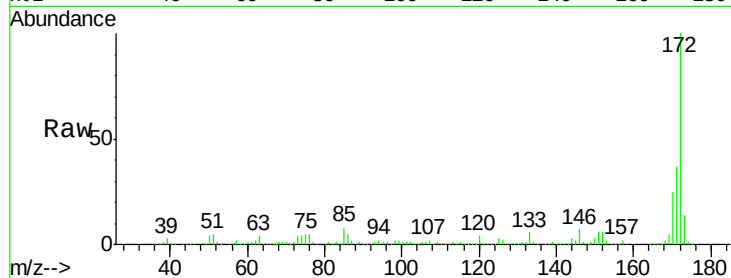




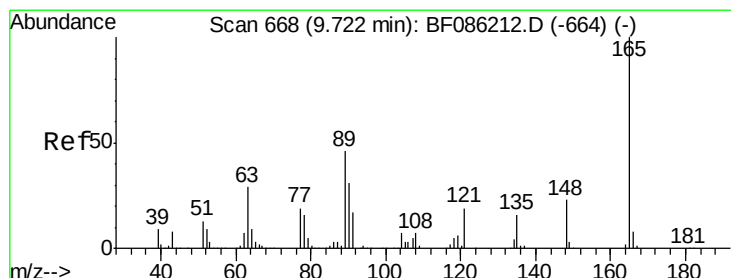
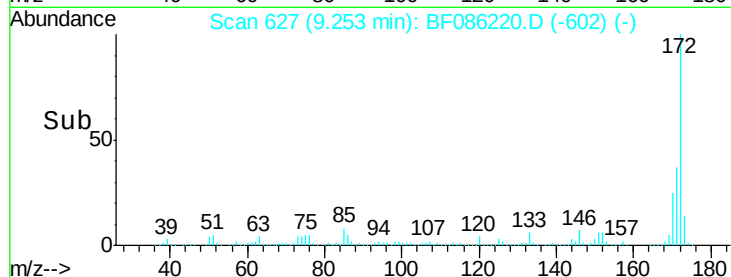
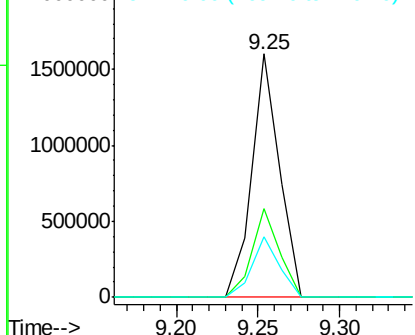
#44
 2-Fluorobiphenyl
 Concen: 70.95 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF086220.D
 Acq: 15 Apr 2016 16:57

Instrument :
 BNA_F
 ClientSampleId :
 PB89820BL

Tgt Ion:172 Resp: 1884536
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.1 43.7
 170 24.9 19.9 29.9

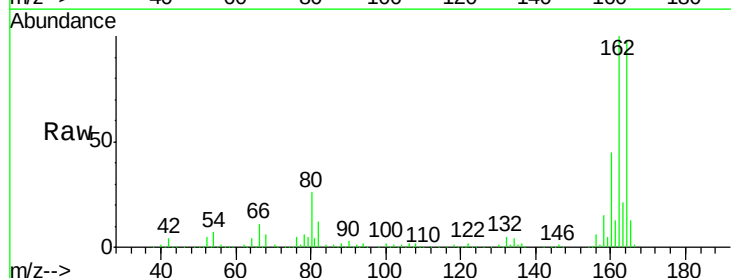


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

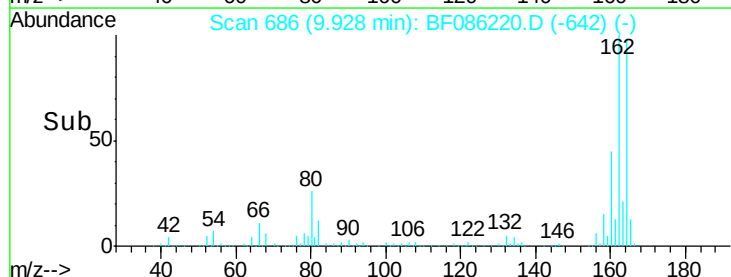
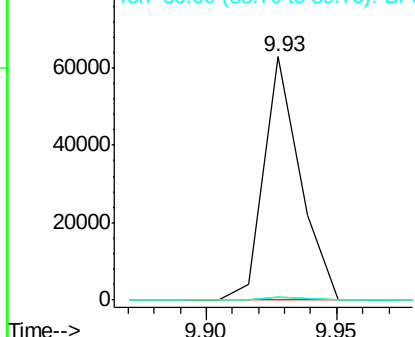


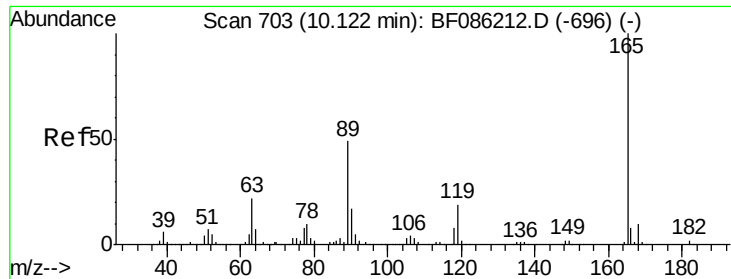
#50
 2,6-Dinitrotoluene
 Concen: 7.73 ng
 RT: 9.93 min Scan# 686
 Delta R.T. 0.21 min
 Lab File: BF086220.D
 Acq: 15 Apr 2016 16:57

Tgt Ion:165 Resp: 60946
 Ion Ratio Lower Upper
 165 100
 63 1.4 35.1 52.7#
 89 1.4 39.8 59.6#



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: 6.04 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.19 min

Lab File: BF086220.D

Acq: 15 Apr 2016 16:57

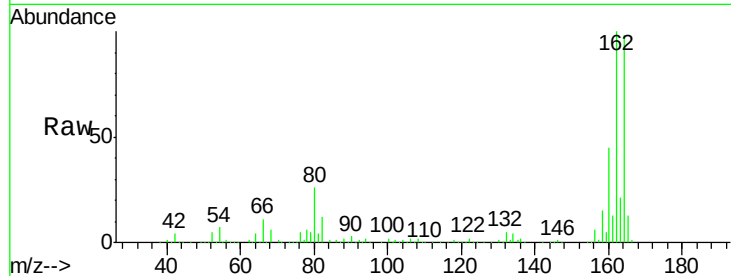
Instrument :

BNA_F

ClientSampleId :

PB89820BL

Tgt Ion:	165	Resp:	60934
Ion Ratio	Lower	Upper	
165	100		
63	1.4	26.6	40.0#
89	1.4	49.5	74.3#
182	0.0	1.9	2.9#

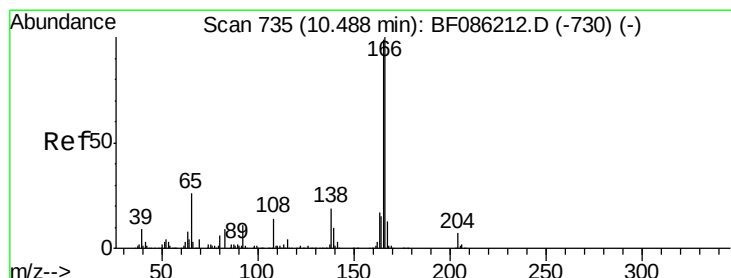
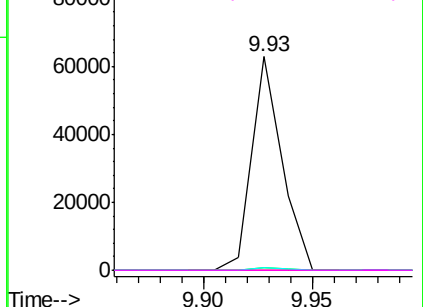
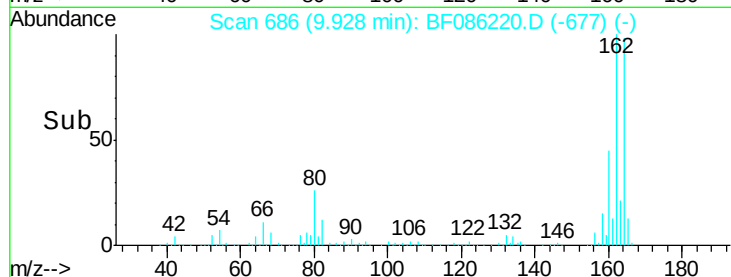


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: Below Cal

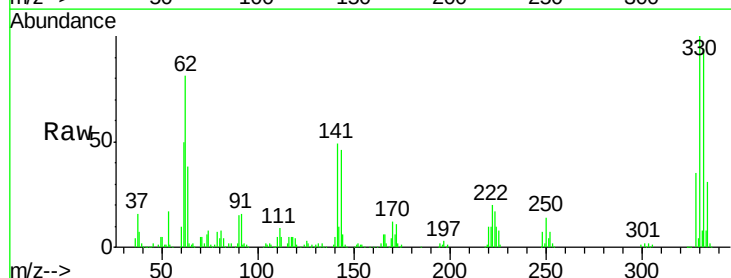
RT: 10.72 min Scan# 755

Delta R.T. 0.23 min

Lab File: BF086220.D

Acq: 15 Apr 2016 16:57

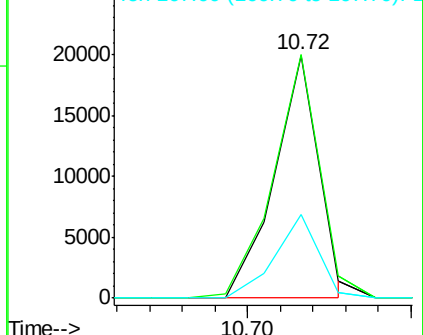
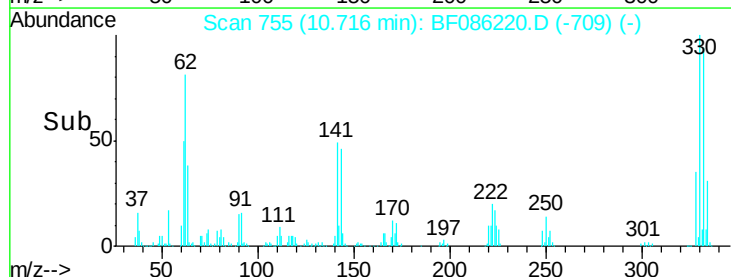
Tgt Ion:	166	Resp:	18917
Ion Ratio	Lower	Upper	
166	100		
165	100.4	78.6	117.8
167	34.6	10.4	15.6#

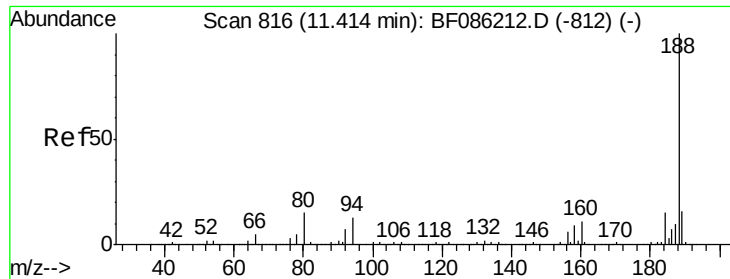


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

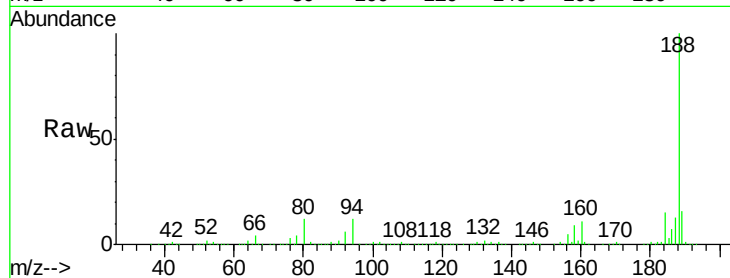




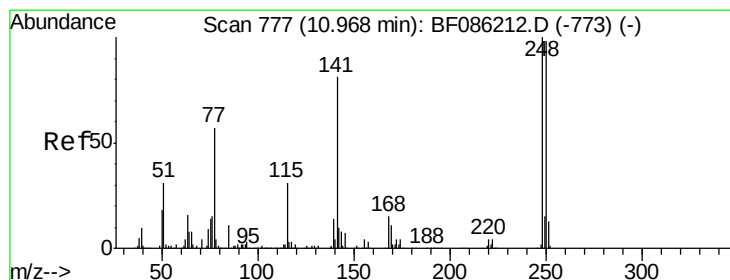
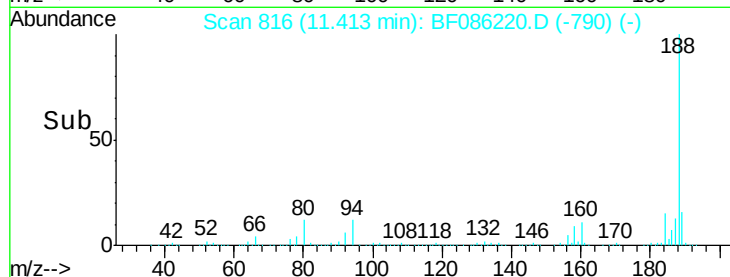
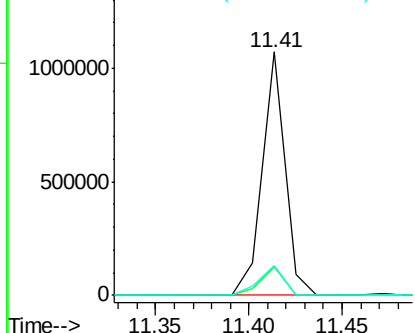
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF086220.D
Acq: 15 Apr 2016 16:57

Instrument :
BNA_F
ClientSampleId :
PB89820BL

Tgt Ion:188 Resp: 900557
Ion Ratio Lower Upper
188 100
94 11.7 9.8 14.8
80 12.4 10.5 15.7

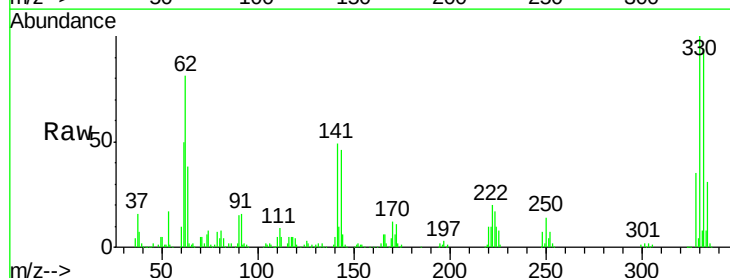


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

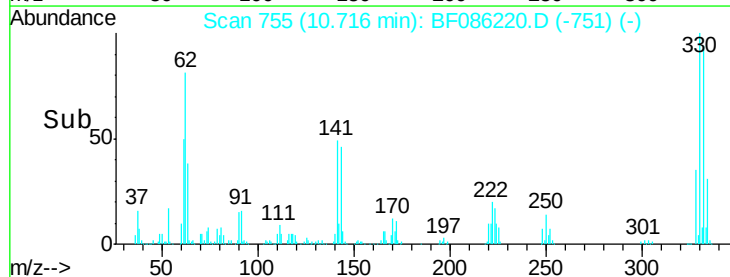
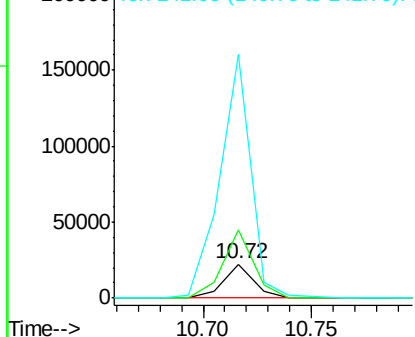


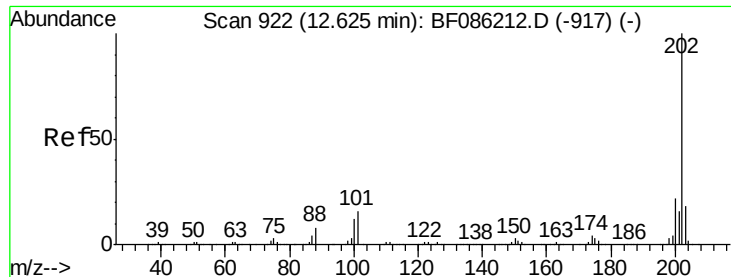
#66
4-Bromophenyl-phenylether
Concen: 2.64 ng
RT: 10.72 min Scan# 755
Delta R.T. -0.25 min
Lab File: BF086220.D
Acq: 15 Apr 2016 16:57

Tgt Ion:248 Resp: 22139
Ion Ratio Lower Upper
248 100
250 199.8 78.6 118.0#
141 710.9 57.9 86.9#



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





#74

Fluoranthene

Concen: Below Cal

RT: 12.61 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF086220.D

Acq: 15 Apr 2016 16:57

Instrument :

BNA_F

ClientSampleId :

PB89820BL

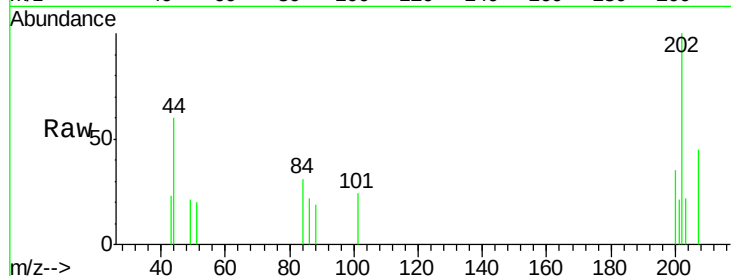
Tgt Ion: 202 Resp: 2297

Ion Ratio Lower Upper

202 100

101 24.1 0.0 35.2

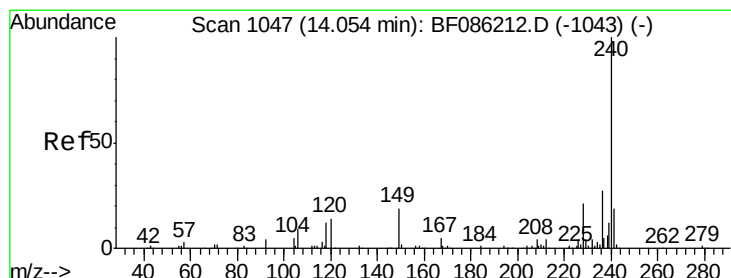
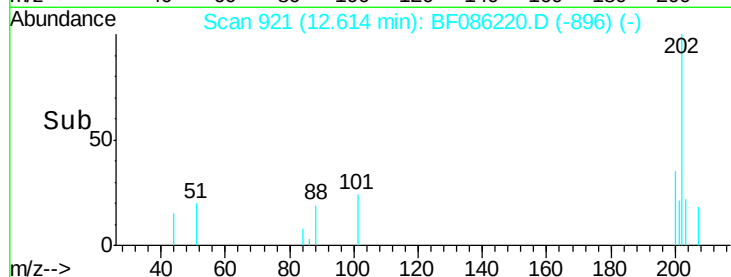
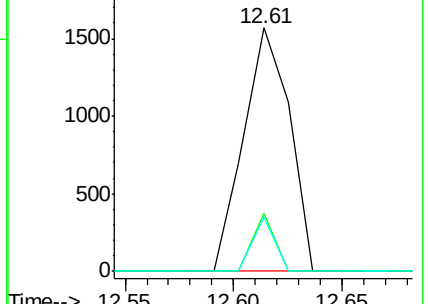
203 22.1 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF086220.D

Acq: 15 Apr 2016 16:57

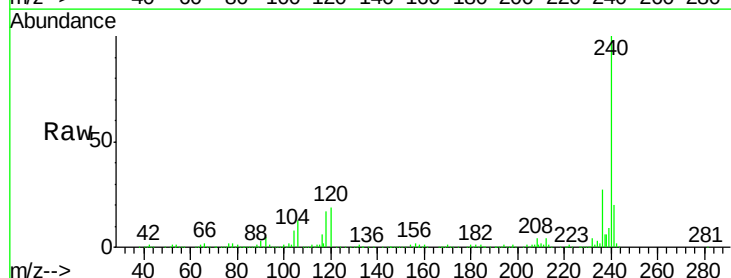
Tgt Ion: 240 Resp: 685127

Ion Ratio Lower Upper

240 100

120 19.4 9.3 13.9#

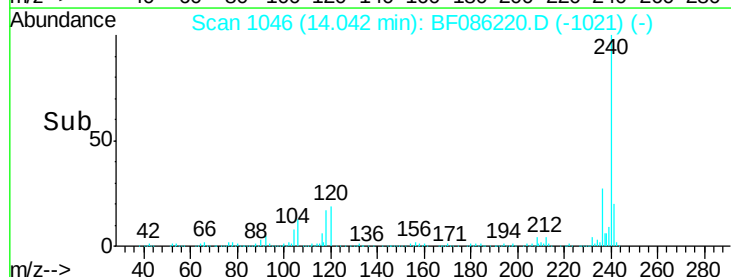
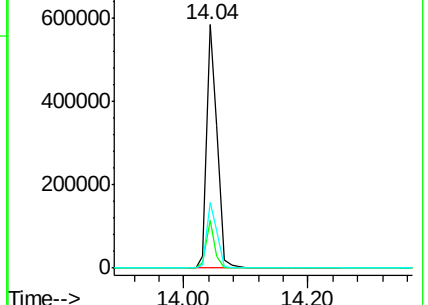
236 26.9 21.1 31.7

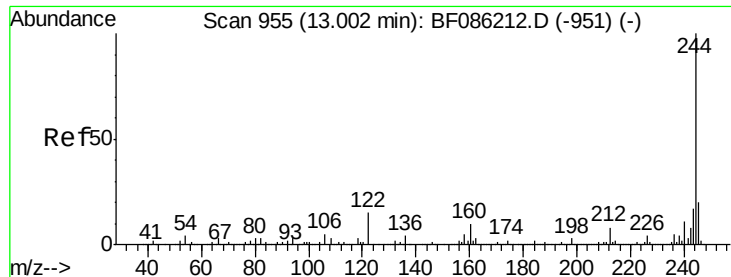


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 57.53 ng

RT: 13.00 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF086220.D

Acq: 15 Apr 2016 16:57

Instrument :

BNA_F

ClientSampleId :

PB89820BL

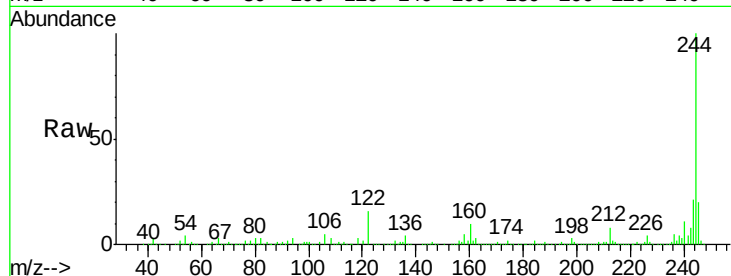
Tgt Ion:244 Resp: 1567364

Ion Ratio Lower Upper

244 100

212 7.8 6.4 9.6

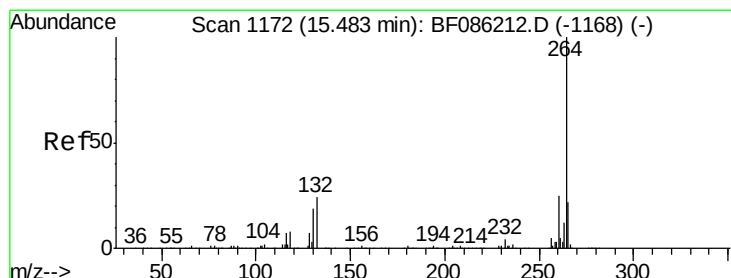
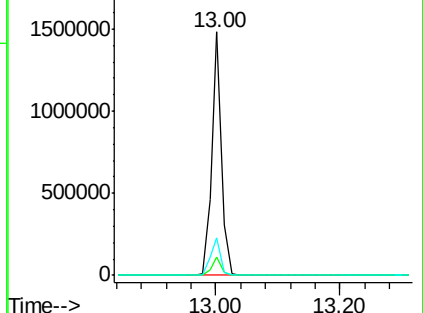
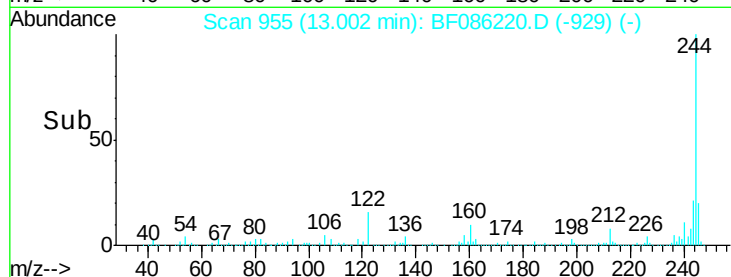
122 15.5 11.7 17.5



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: 15.48 min Scan# 1172

Delta R.T. -0.00 min

Lab File: BF086220.D

Acq: 15 Apr 2016 16:57

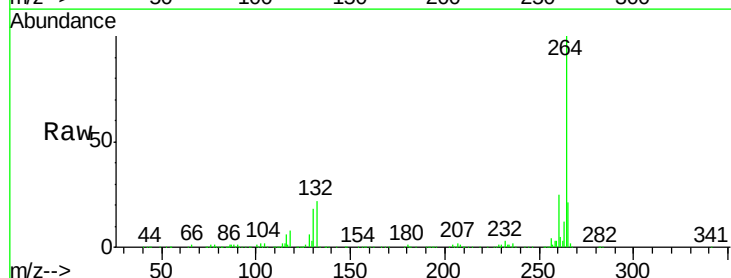
Tgt Ion:264 Resp: 525900

Ion Ratio Lower Upper

264 100

260 24.5 20.0 30.0

265 21.3 17.4 26.0



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

