

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042216\
 Data File : BF086410.D
 Acq On : 24 Apr 2016 00:42
 Operator : UM/SJ
 Sample : H2652-13 4X
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B6(0-6.5)-C

Quant Time: Apr 25 00:59:58 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 23 00:24:02 2016
 Response via : Initial Calibration

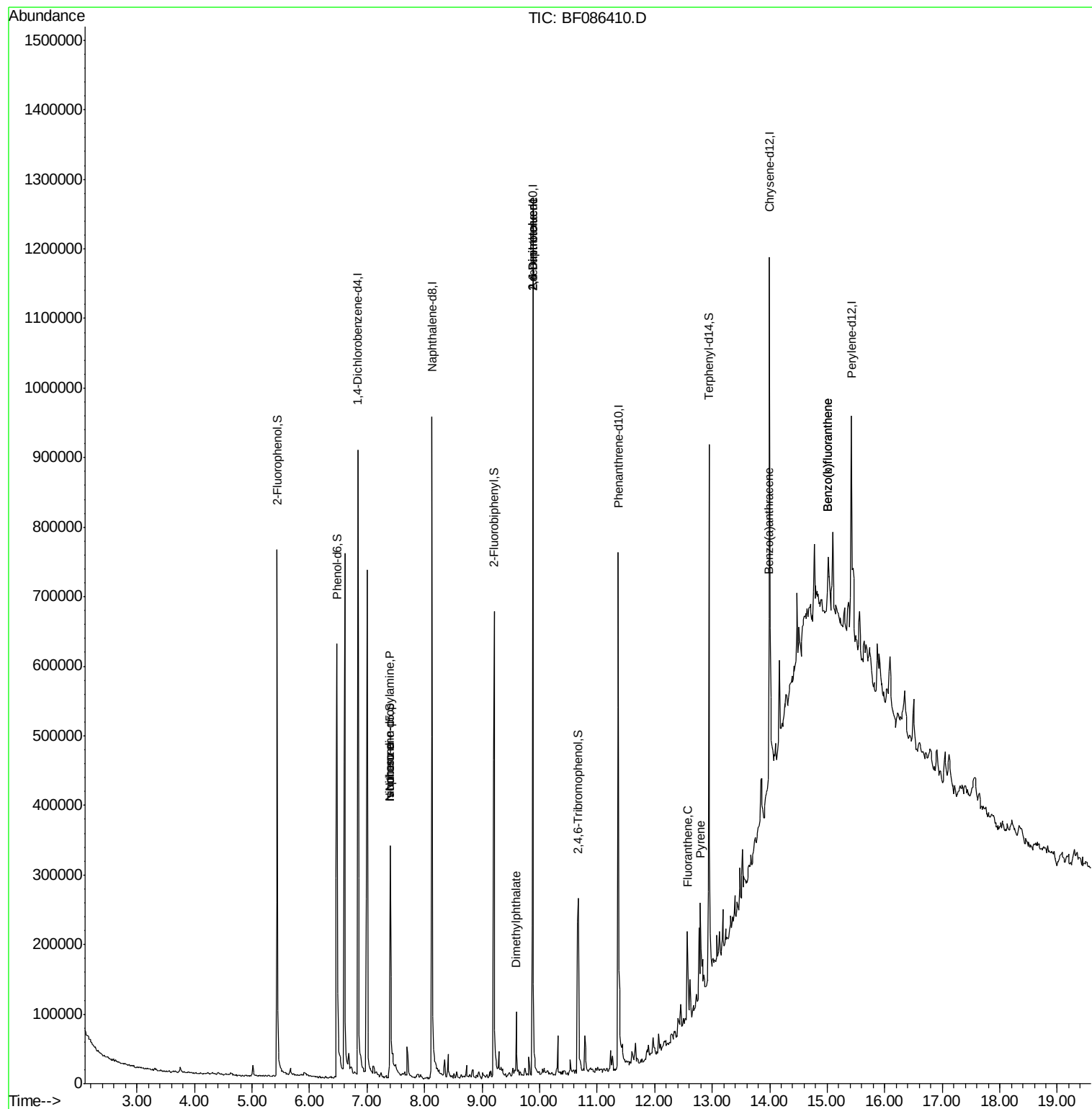
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	157063	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	606692	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	247474	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	437889	20.00	ng	0.00
75) Chrysene-d12	14.00	240	324207	20.00	ng	0.00
86) Perylene-d12	15.43	264	227387	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	266064	29.25	ng	0.01
7) Phenol-d6	6.48	99	346049	27.99	ng	0.00
23) Nitrobenzene-d5	7.40	82	176230	17.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	51696	23.08	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	335355	23.12	ng	0.00
78) Terphenyl-d14	12.94	244	287903	22.06	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	23474	3.18	ng	# 83
25) Isophorone	7.40	82	148637	7.41	ng	# 68
49) Dimethylphthalate	9.60	163	36362	2.03	ng	100
50) 2,6-Dinitrotoluene	9.88	165	30941	8.01	ng	# 21
56) 2,4-Dinitrotoluene	9.88	165	31648	6.17	ng	# 16
74) Fluoranthene	12.57	202	70759	2.98	ng	96
77) Pyrene	12.80	202	64905	2.87	ng	97
80) Benzo(a)anthracene	13.99	228	34683	2.06	ng	92
87) Benzo(b)fluoranthene	15.01	252	42874	3.44	ng	# 59
88) Benzo(k)fluoranthene	15.01	252	42874	3.50	ng	# 57

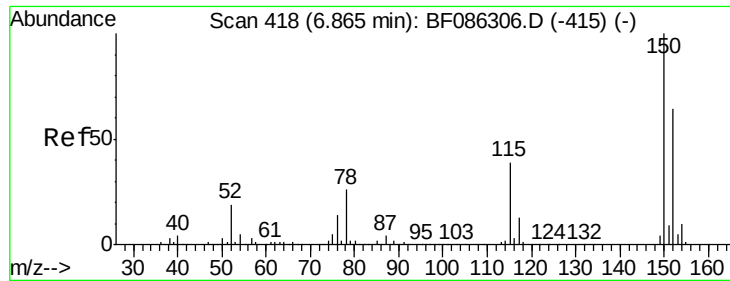
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.00 min

Lab File: BF086410.D

Acq: 24 Apr 2016 00:42

Instrument :

BNA_F

ClientSampleId :

WPG-B6(0-6.5)-C

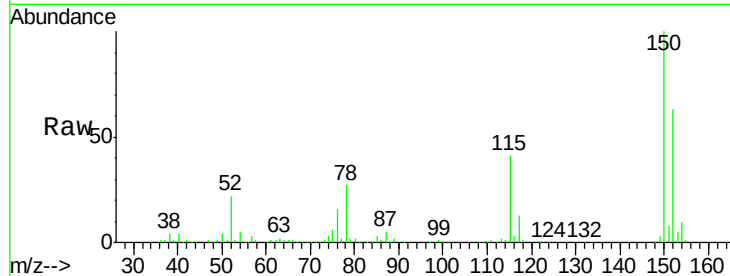
Tgt Ion:152 Resp: 157063

Ion Ratio Lower Upper

152 100

150 158.6 125.8 188.6

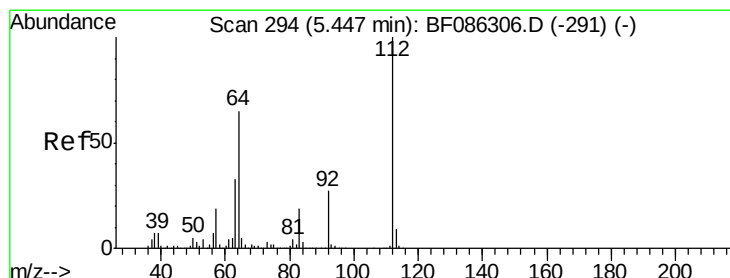
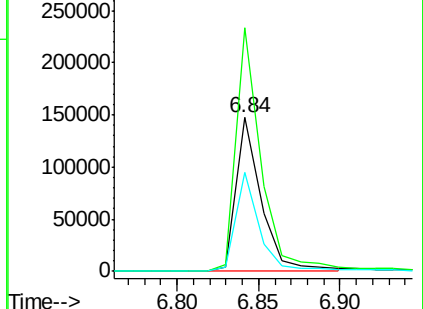
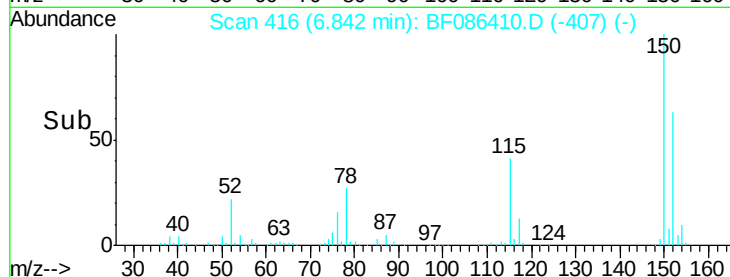
115 64.8 51.5 77.3



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: 29.25 ng

RT: 5.44 min Scan# 293

Delta R.T. 0.01 min

Lab File: BF086410.D

Acq: 24 Apr 2016 00:42

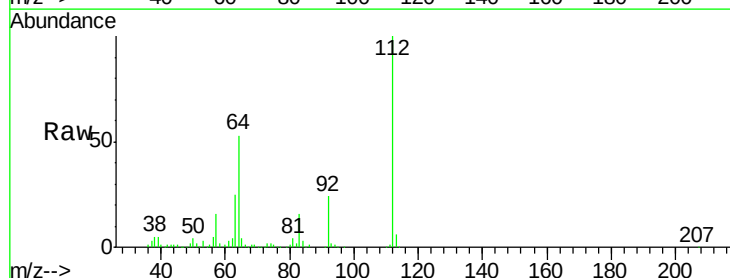
Tgt Ion:112 Resp: 266064

Ion Ratio Lower Upper

112 100

64 52.6 52.1 78.1

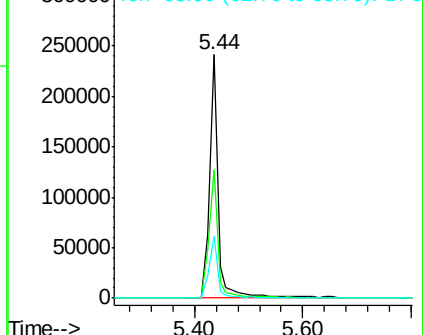
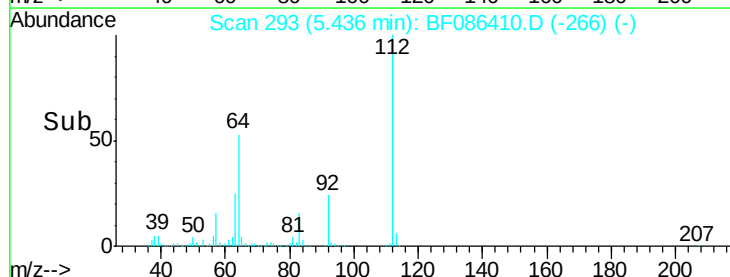
63 25.5 25.7 38.5

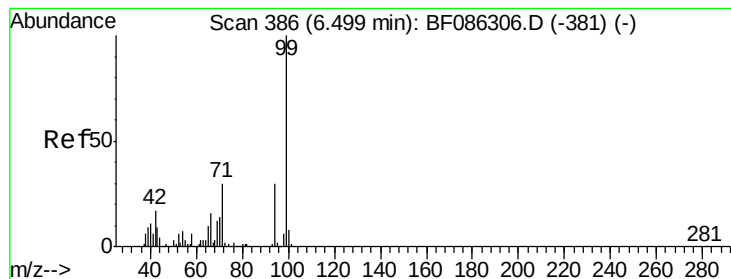


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 27.99 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF086410.D

Acq: 24 Apr 2016 00:42

Instrument :

BNA_F

ClientSampleId :

WPG-B6(0-6.5)-C

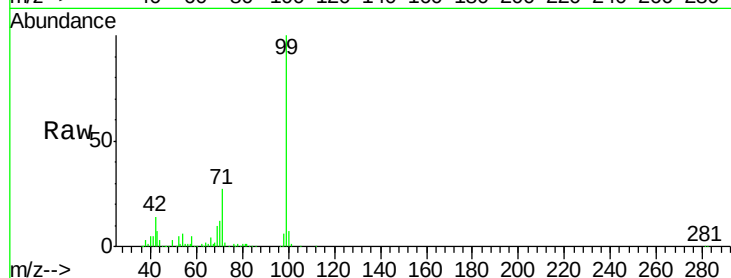
Tgt Ion: 99 Resp: 346049

Ion Ratio Lower Upper

99 100

42 13.7 13.6 20.4

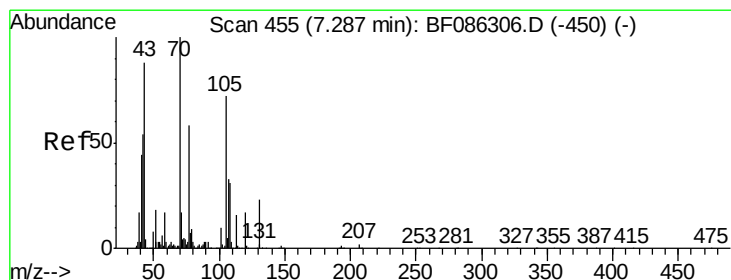
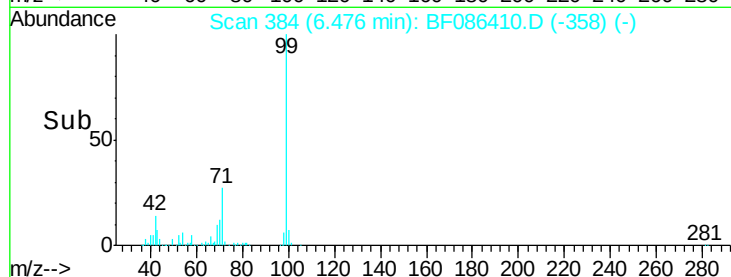
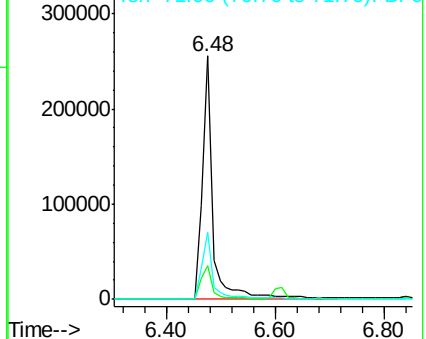
71 27.4 24.6 36.8



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: 3.18 ng

RT: 7.40 min Scan# 465

Delta R.T. 0.14 min

Lab File: BF086410.D

Acq: 24 Apr 2016 00:42

Tgt Ion: 70 Resp: 23474

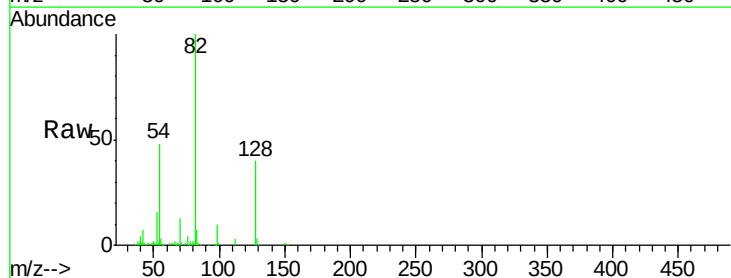
Ion Ratio Lower Upper

70 100

42 50.8 43.1 64.7

101 0.0 8.1 12.1#

130 2.1 18.6 28.0#

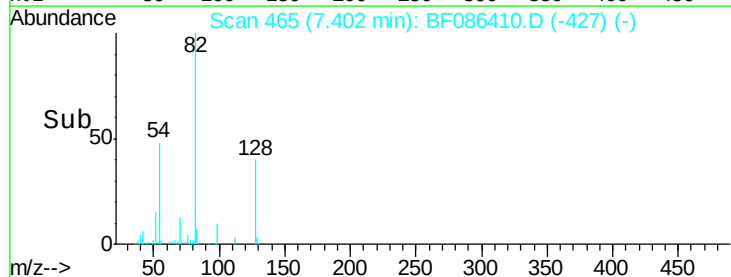
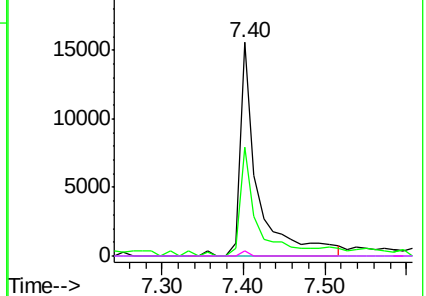


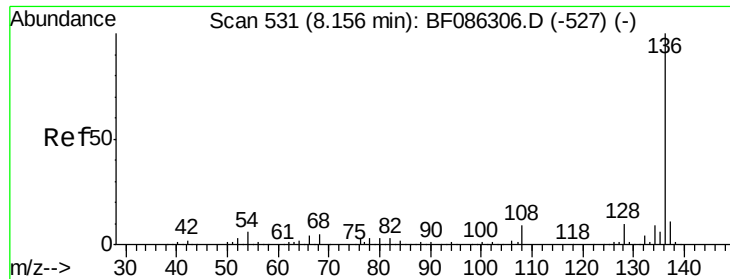
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

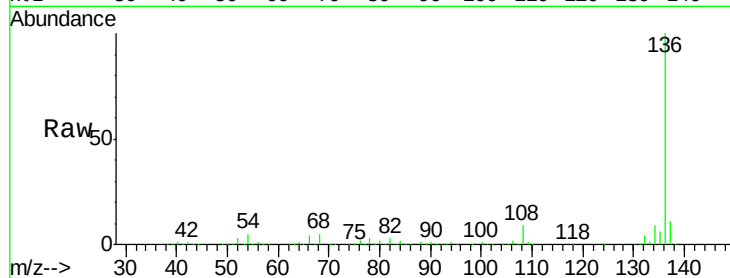




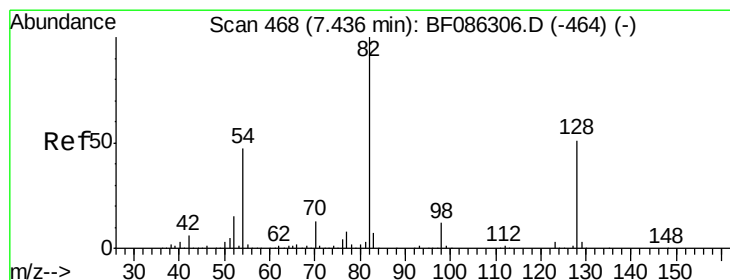
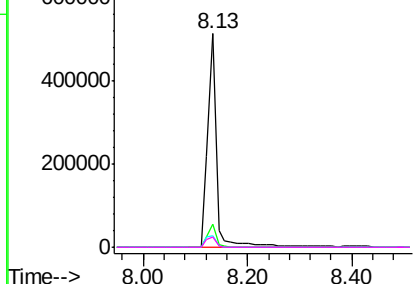
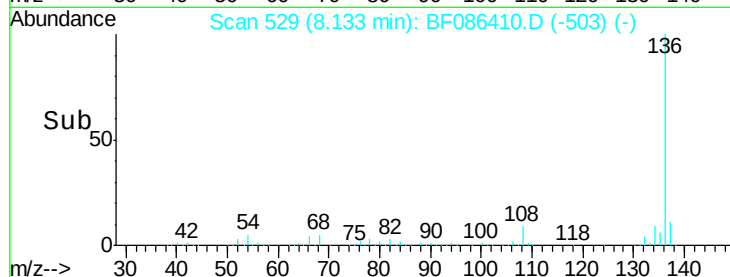
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.00 min
Lab File: BF086410.D
Acq: 24 Apr 2016 00:42

Instrument :
BNA_F
ClientSampleId :
WPG-B6(0-6.5)-C

Tgt Ion:	136	Resp:	606692
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	5.3	5.0	7.4
68	4.7	4.4	6.6

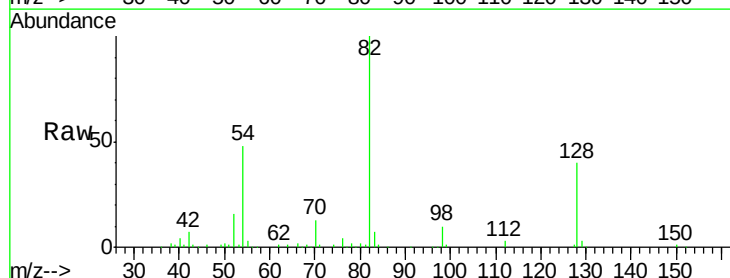


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

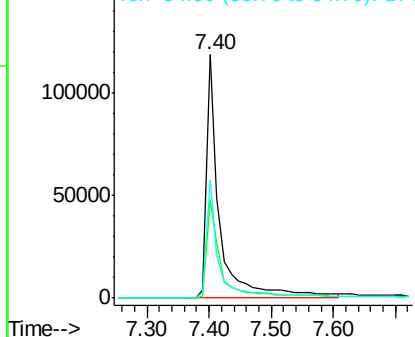
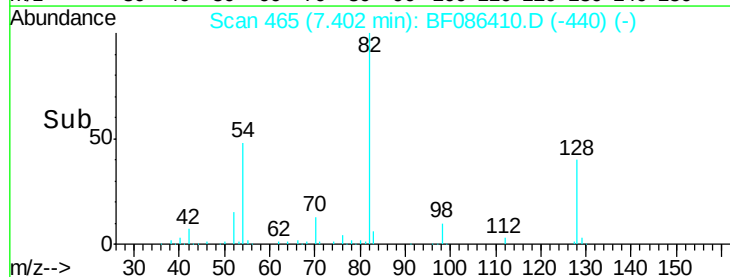


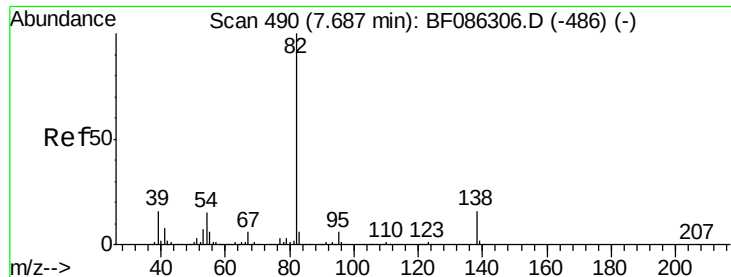
#23
Nitrobenzene-d5
Concen: 17.21 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.01 min
Lab File: BF086410.D
Acq: 24 Apr 2016 00:42

Tgt Ion:	82	Resp:	176230
Ion	Ratio	Lower	Upper
82	100		
128	40.0	40.6	61.0#
54	48.4	38.1	57.1



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





#25

Isophorone

Concen: 7.41 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.26 min

Lab File: BF086410.D

Acq: 24 Apr 2016 00:42

Instrument :

BNA_F

ClientSampleId :

WPG-B6(0-6.5)-C

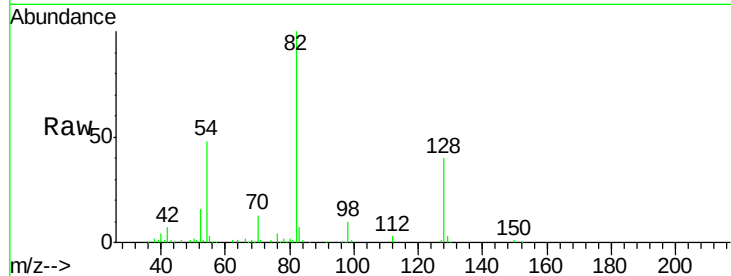
Tgt Ion: 82 Resp: 148637

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

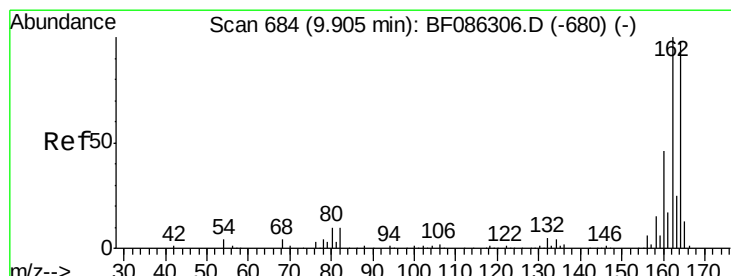
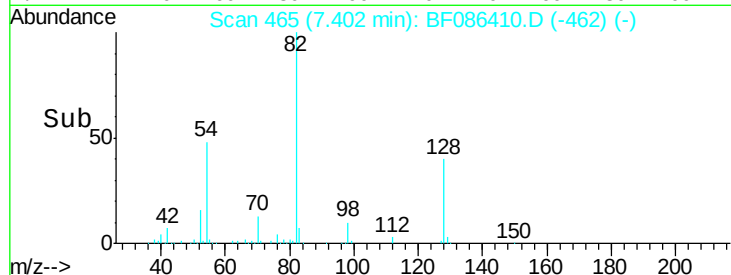
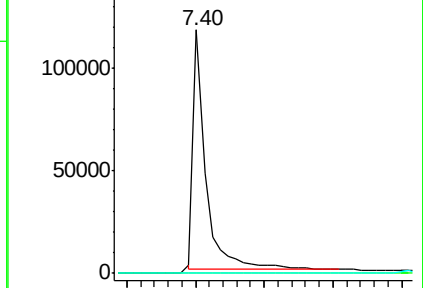
138 0.0 12.4 18.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.00 min

Lab File: BF086410.D

Acq: 24 Apr 2016 00:42

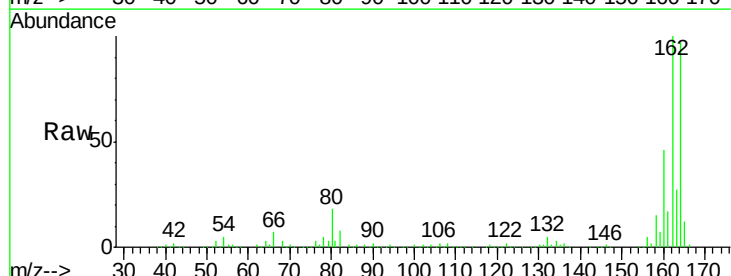
Tgt Ion: 164 Resp: 247474

Ion Ratio Lower Upper

164 100

162 103.2 82.8 124.2

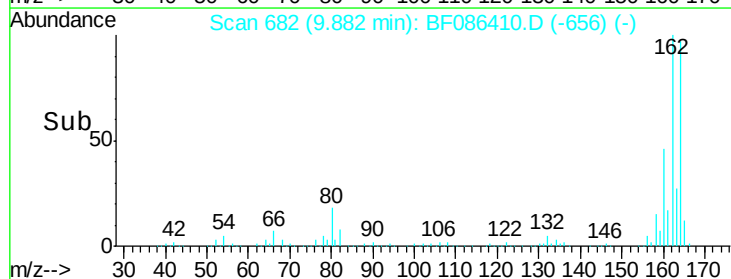
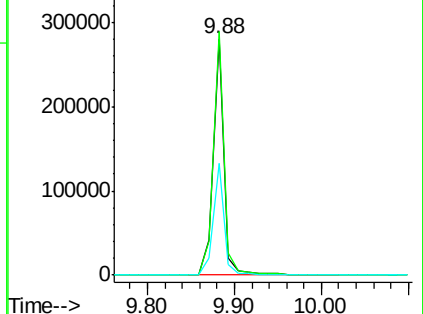
160 47.6 36.9 55.3

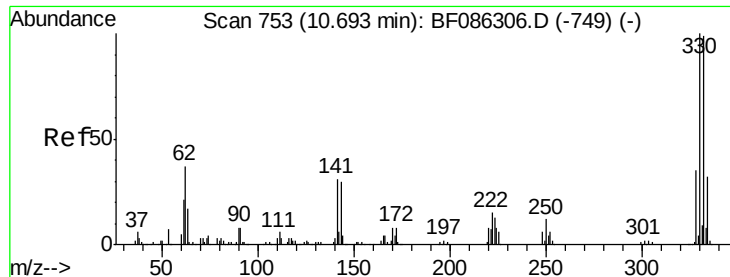


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

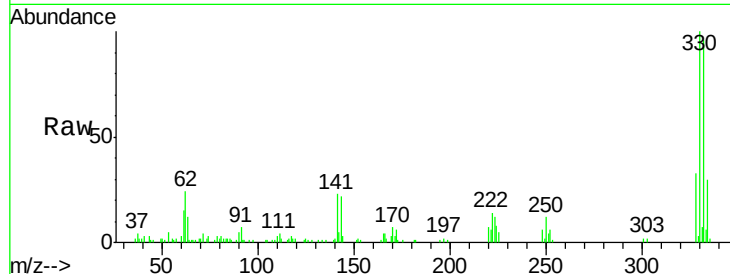




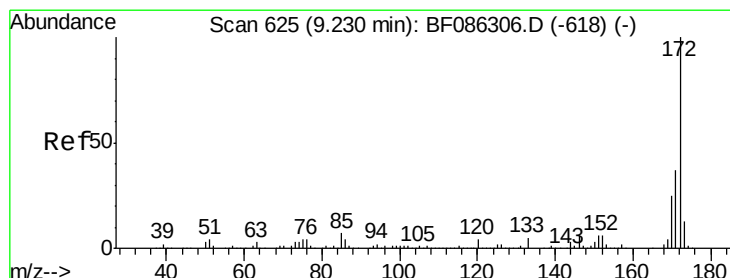
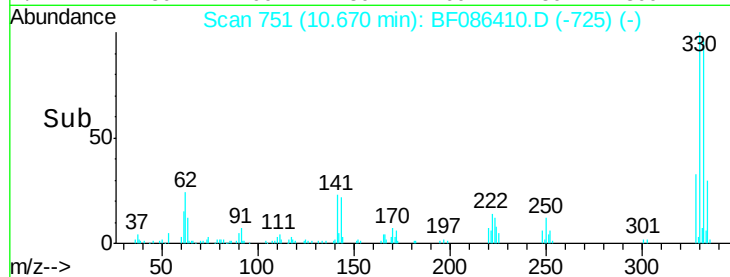
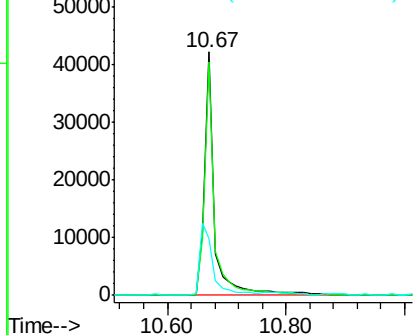
#41
 2,4,6-Tribromophenol
 Concen: 23.08 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: BF086410.D
 Acq: 24 Apr 2016 00:42

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B6(0-6.5)-C

Tgt Ion:330 Resp: 51696
 Ion Ratio Lower Upper
 330 100
 332 95.1 79.0 118.4
 141 38.8 31.2 46.8

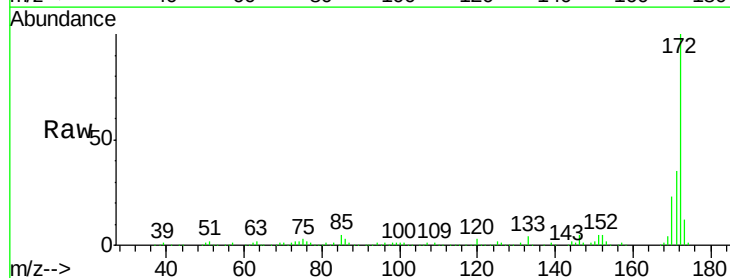


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

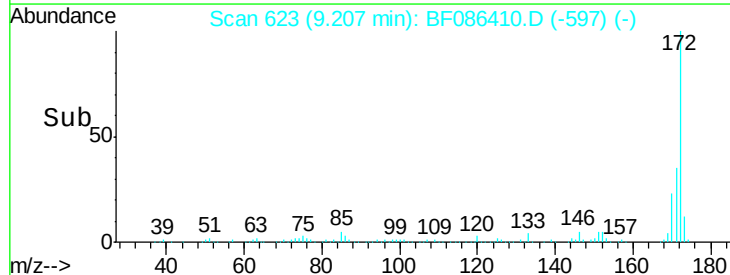
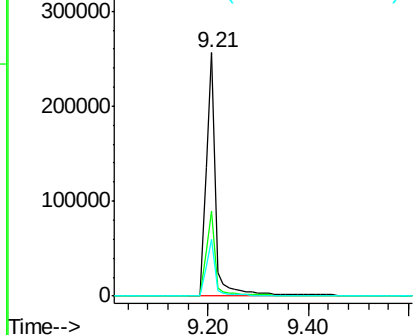


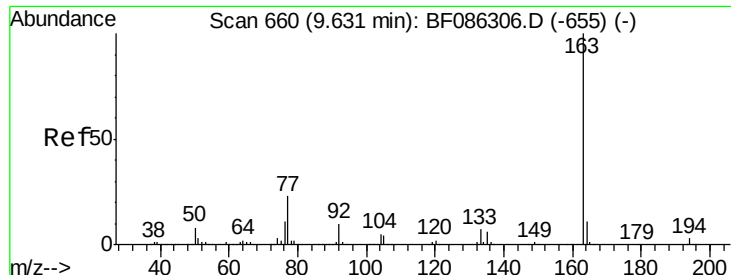
#44
 2-Fluorobiphenyl
 Concen: 23.12 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: BF086410.D
 Acq: 24 Apr 2016 00:42

Tgt Ion:172 Resp: 335355
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.0 43.6
 170 23.5 19.8 29.8



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





#49

Dimethylphthalate

Concen: 2.03 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.01 min

Lab File: BF086410.D

Acq: 24 Apr 2016 00:42

Instrument :

BNA_F

ClientSampleId :

WPG-B6(0-6.5)-C

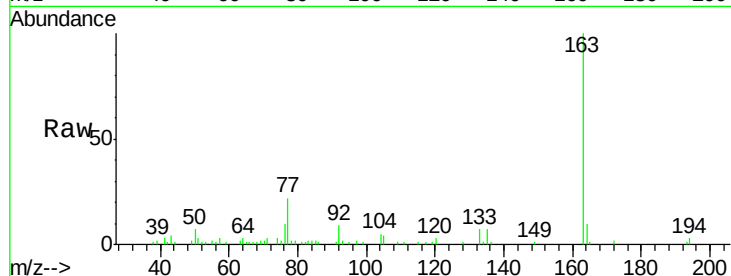
Tgt Ion:163 Resp: 36362

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

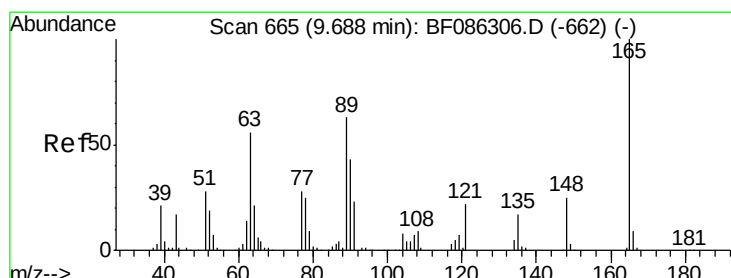
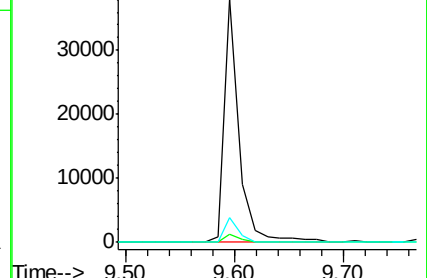
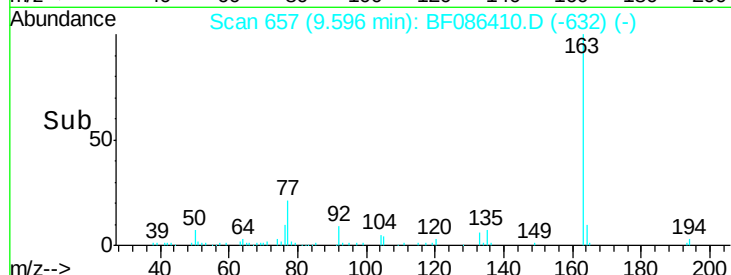
164 10.4 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.01 ng

RT: 9.88 min Scan# 682

Delta R.T. 0.22 min

Lab File: BF086410.D

Acq: 24 Apr 2016 00:42

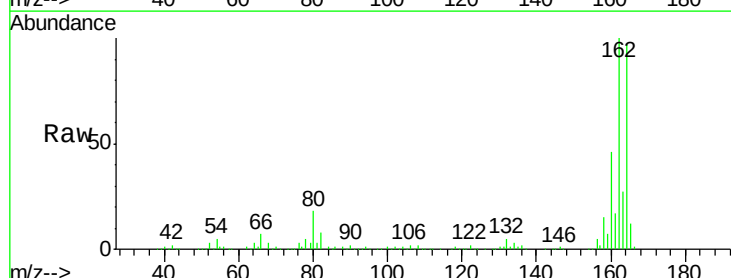
Tgt Ion:165 Resp: 30941

Ion Ratio Lower Upper

165 100

63 1.5 51.8 77.8#

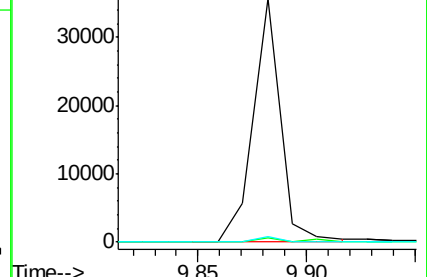
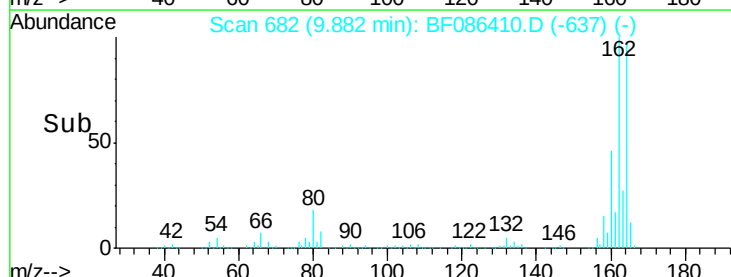
89 2.4 50.7 76.1#

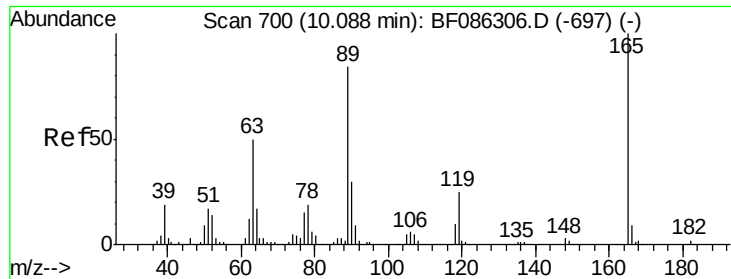


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

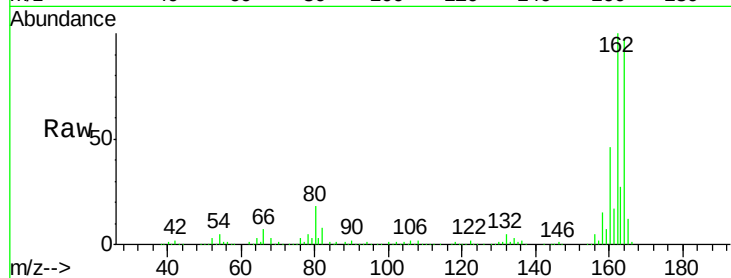




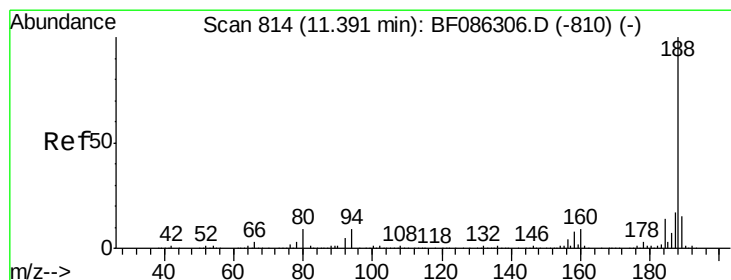
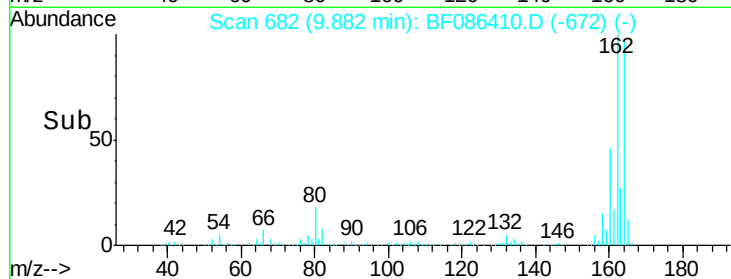
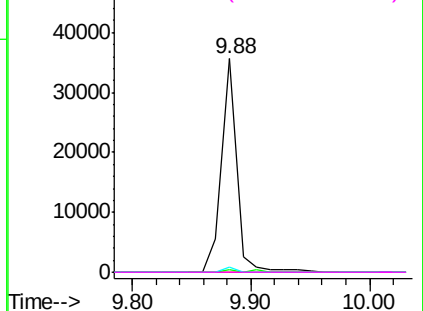
#56
 2,4-Dinitrotoluene
 Concen: 6.17 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.18 min
 Lab File: BF086410.D
 Acq: 24 Apr 2016 00:42

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B6(0-6.5)-C

Tgt Ion:165 Resp: 31648
 Ion Ratio Lower Upper
 165 100
 63 1.5 44.3 66.5#
 89 2.4 70.0 105.0#
 182 0.0 1.8 2.6#

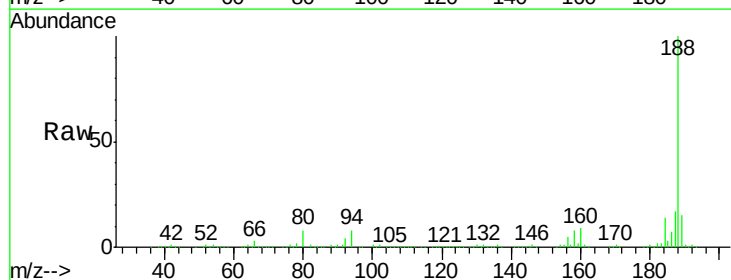


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

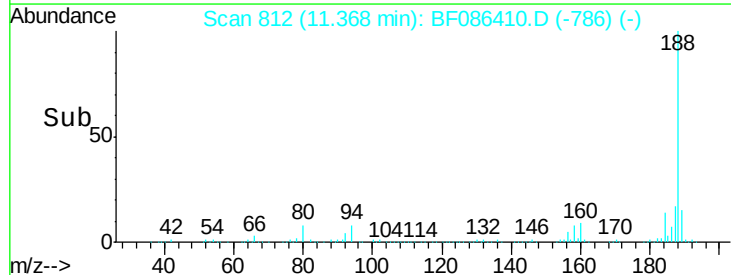
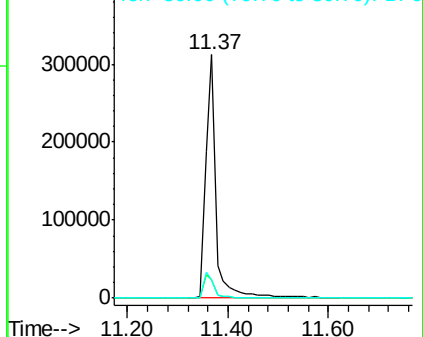


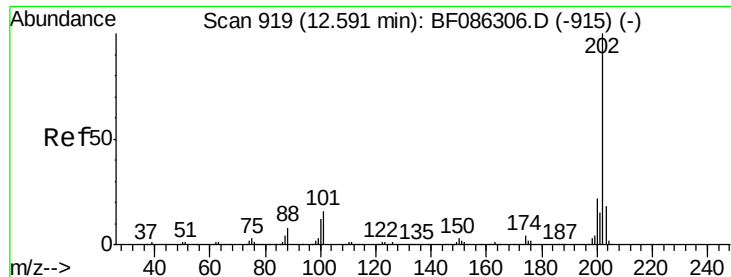
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: BF086410.D
 Acq: 24 Apr 2016 00:42

Tgt Ion:188 Resp: 437889
 Ion Ratio Lower Upper
 188 100
 94 7.6 6.8 10.2
 80 7.7 7.1 10.7



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

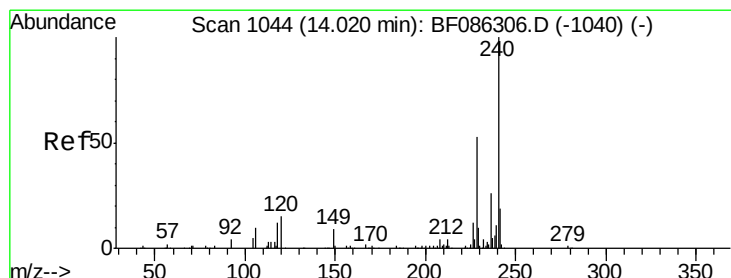
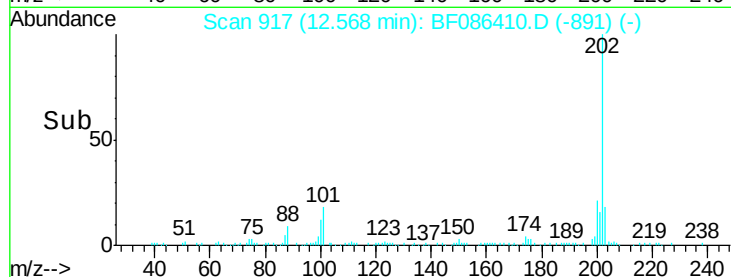
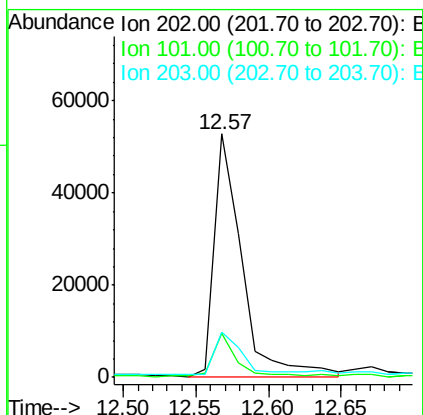
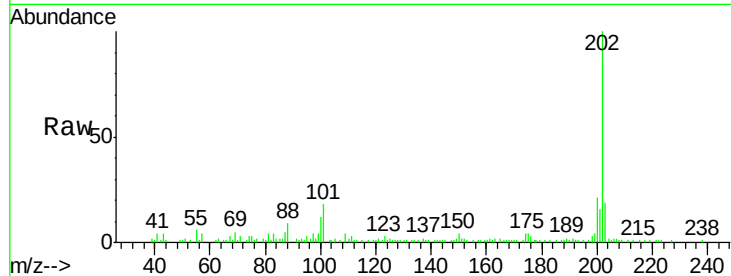




#74
Fluoranthene
Concen: 2.98 ng
RT: 12.57 min Scan# 917
Delta R.T. -0.00 min
Lab File: BF086410.D
Acq: 24 Apr 2016 00:42

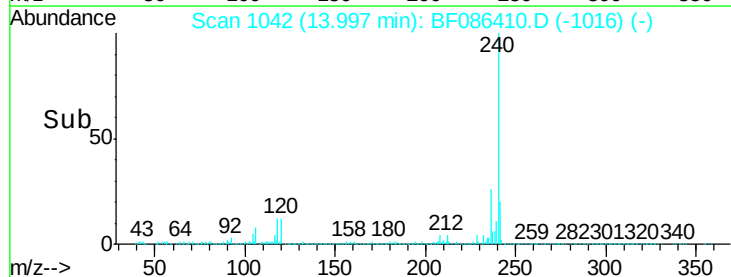
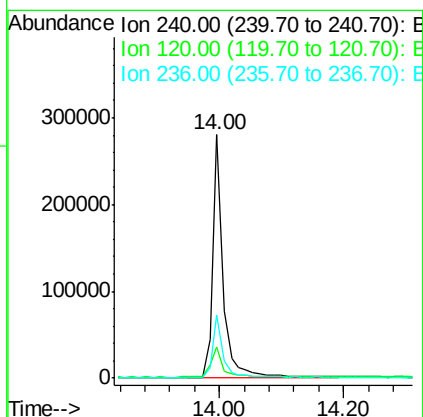
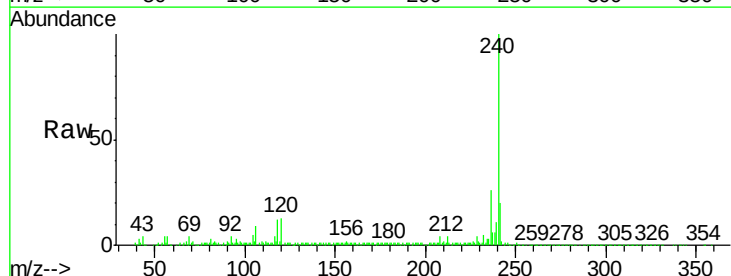
Instrument :
BNA_F
ClientSampleId :
WPG-B6(0-6.5)-C

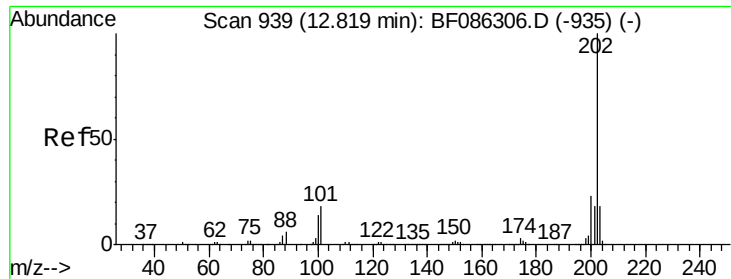
Tgt Ion:202 Resp: 70759
Ion Ratio Lower Upper
202 100
101 18.0 0.0 35.4
203 18.7 0.0 38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BF086410.D
Acq: 24 Apr 2016 00:42

Tgt Ion:240 Resp: 324207
Ion Ratio Lower Upper
240 100
120 12.7 11.2 16.8
236 26.0 21.2 31.8

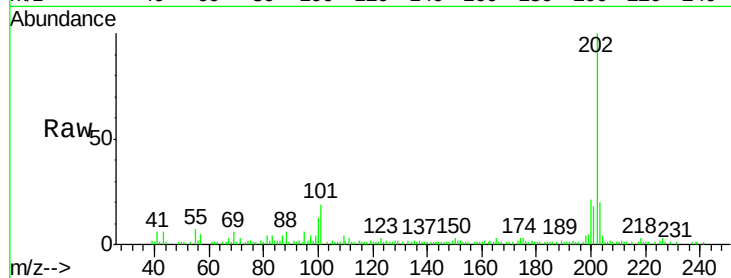




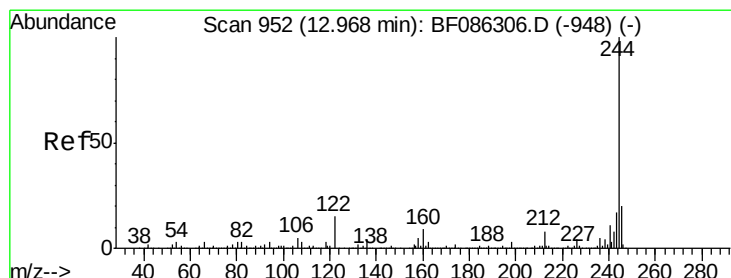
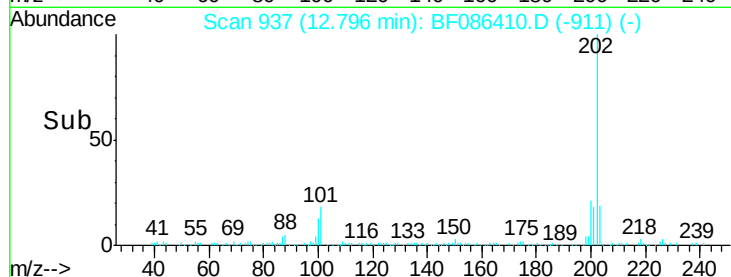
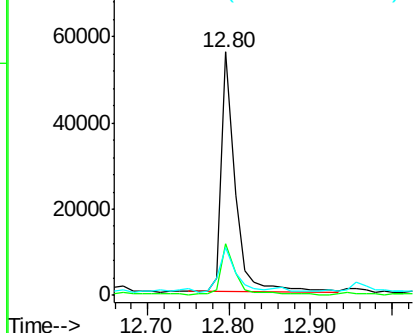
#77
 Pyrene
 Concen: 2.87 ng
 RT: 12.80 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: BF086410.D
 Acq: 24 Apr 2016 00:42

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B6(0-6.5)-C

Tgt Ion:202 Resp: 64905
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.7 26.5
 203 19.8 14.2 21.4

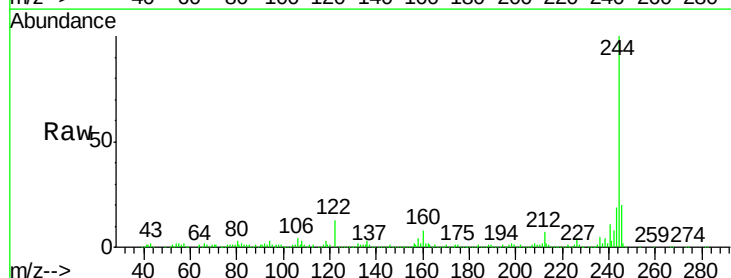


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

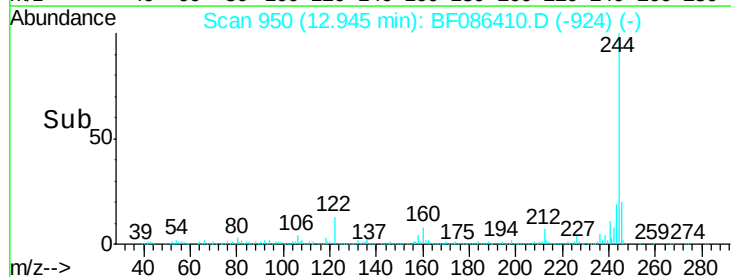
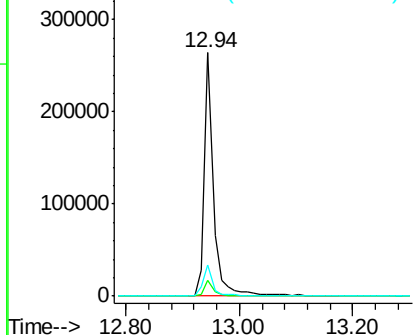


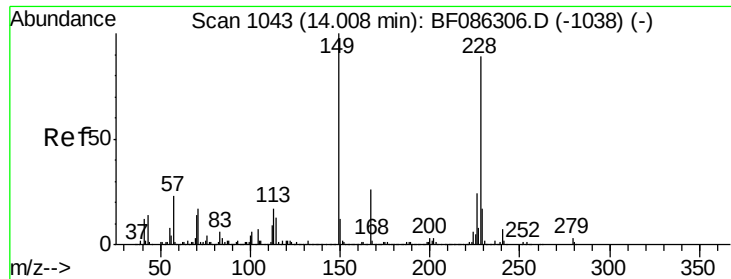
#78
 Terphenyl-d14
 Concen: 22.06 ng
 RT: 12.94 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: BF086410.D
 Acq: 24 Apr 2016 00:42

Tgt Ion:244 Resp: 287903
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.2 9.2
 122 12.9 12.0 18.0



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

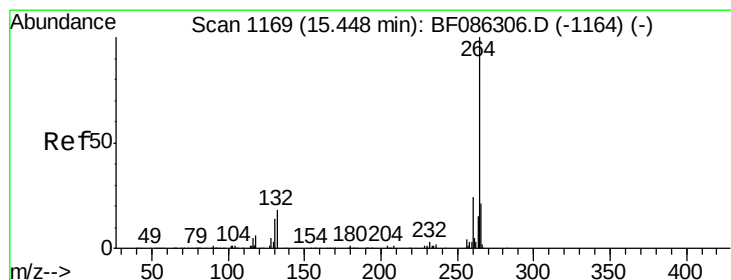
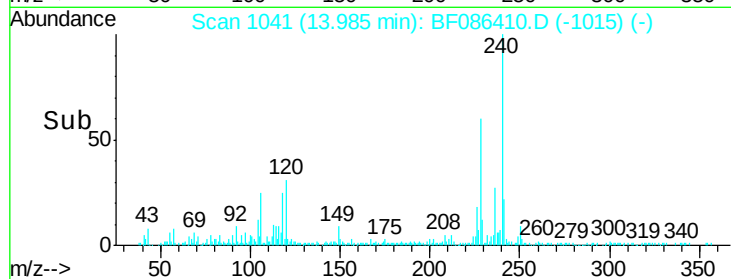
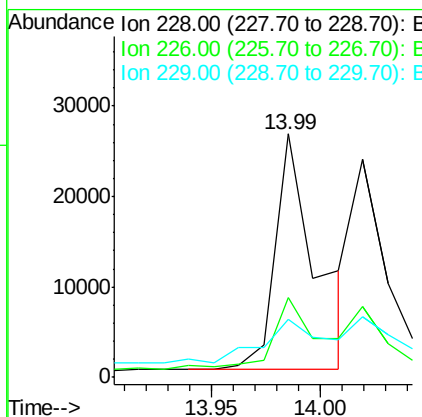
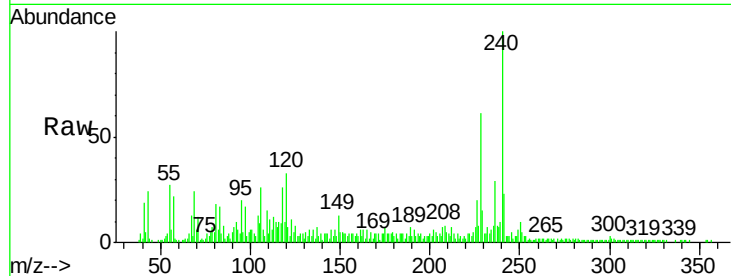




#80
Benzo(a)anthracene
Concen: 2.06 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BF086410.D
Acq: 24 Apr 2016 00:42

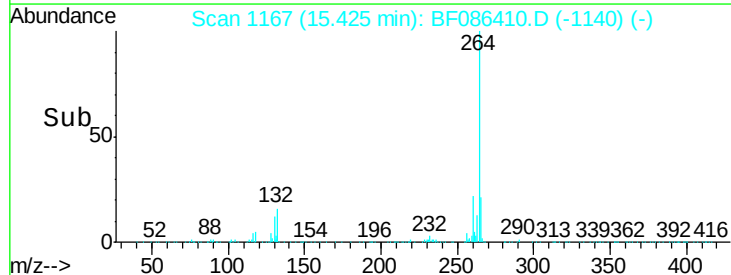
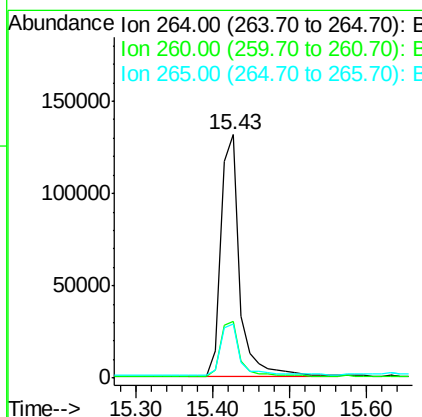
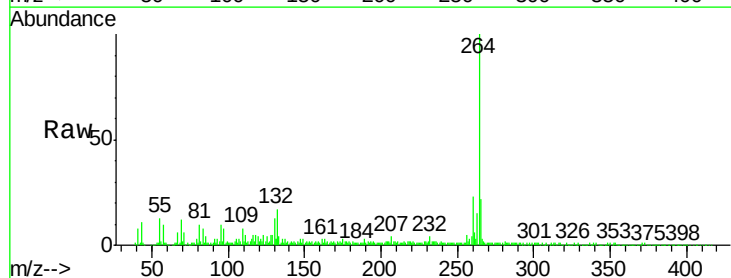
Instrument :
BNA_F
ClientSampleId :
WPG-B6(0-6.5)-C

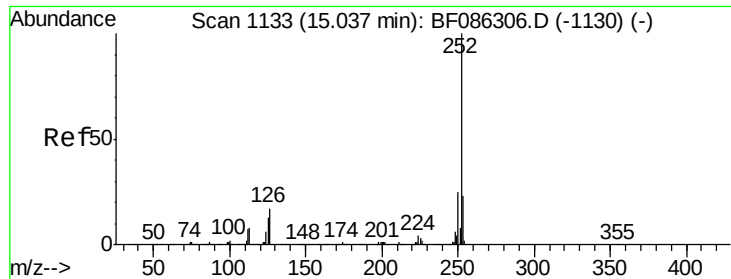
Tgt Ion:228 Resp: 34683
Ion Ratio Lower Upper
228 100
226 32.8 22.5 33.7
229 24.1 16.6 25.0



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1167
Delta R.T. 0.01 min
Lab File: BF086410.D
Acq: 24 Apr 2016 00:42

Tgt Ion:264 Resp: 227387
Ion Ratio Lower Upper
264 100
260 23.1 19.5 29.3
265 22.1 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 3.44 ng

RT: 15.01 min Scan# 1131

Delta R.T. 0.01 min

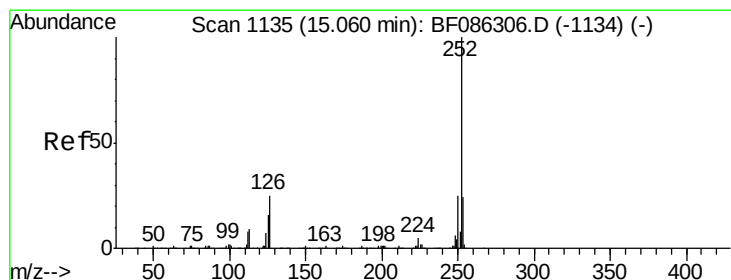
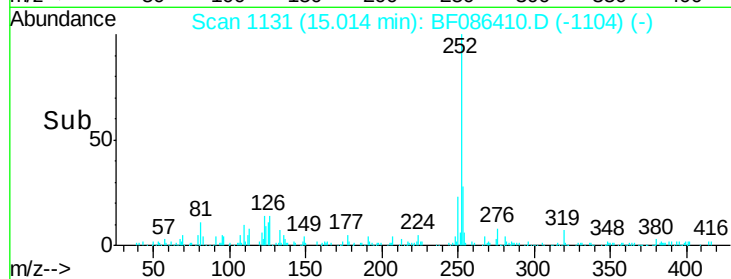
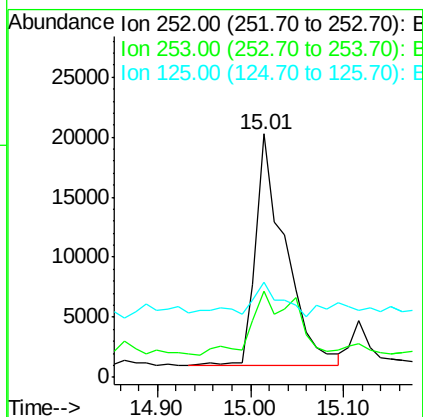
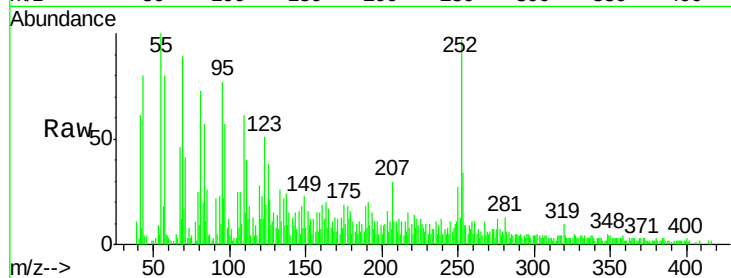
Lab File: BF086410.D

Acq: 24 Apr 2016 00:42

Instrument :
BNA_F
ClientSampleId :
WPG-B6(0-6.5)-C

Tgt Ion:252 Resp: 42874

Ion	Ratio	Lower	Upper
252	100		
253	35.4	17.8	26.6#
125	39.3	11.4	17.0#



#88

Benzo(k)fluoranthene

Concen: 3.50 ng

RT: 15.01 min Scan# 1131

Delta R.T. -0.02 min

Lab File: BF086410.D

Acq: 24 Apr 2016 00:42

Tgt Ion:252 Resp: 42874

Ion	Ratio	Lower	Upper
252	100		
253	35.4	17.8	26.6#
125	39.3	9.1	13.7#

