

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042216\
 Data File : BF086391.D
 Acq On : 23 Apr 2016 15:33
 Operator : UM/SJ
 Sample : H2640-09
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B14(0-11)-C

Quant Time: Apr 25 00:52:38 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	203513	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	768033	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	312068	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	508131	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	375977	20.00	ng	0.00
86) Perylene-d12	15.41	264	269766	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1611787	136.77	ng	0.02
7) Phenol-d6	6.48	99	2058643	128.50	ng	0.00
23) Nitrobenzene-d5	7.41	82	1324562	102.16	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	327875	116.06	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1985679	108.58	ng	0.00
78) Terphenyl-d14	12.94	244	1237876	81.80	ng	0.00

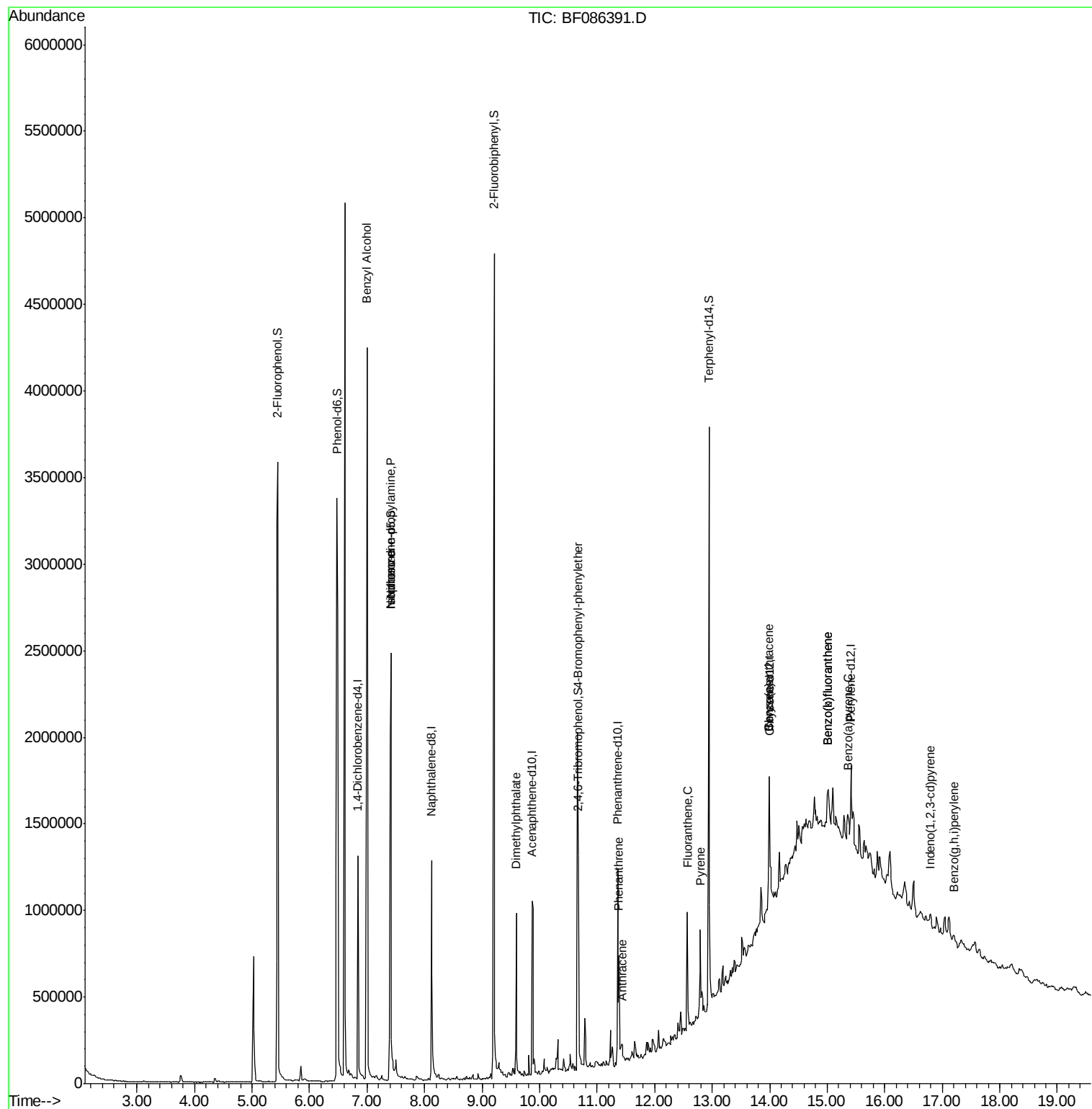
Target Compounds						Qvalue
15) Benzyl Alcohol	7.00	79	23461	2.47	ng	# 33
19) n-Nitroso-di-n-propylamine	7.41	70	174185	18.19	ng	# 78
25) Isophorone	7.41	82	1318620	51.90	ng	# 68
49) Dimethylphthalate	9.60	163	379253	16.82	ng	99
66) 4-Bromophenyl-phenylether	10.66	248	19746	3.97	ng	# 1
70) Phenanthrene	11.38	178	236815	9.28	ng	99
71) Anthracene	11.44	178	72591	2.48	ng	98
74) Fluoranthene	12.57	202	298545	10.84	ng	96
77) Pyrene	12.80	202	265400	10.12	ng	99
80) Benzo(a)anthracene	13.99	228	126648	6.49	ng	94
82) Chrysene	13.99	228	126648	5.76	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.80	276	51512	2.64	ng	94
87) Benzo(b)fluoranthene	15.01	252	170071	11.49	ng	# 78
88) Benzo(k)fluoranthene	15.01	252	170071	11.70	ng	# 75
89) Benzo(a)pyrene	15.36	252	88293	6.04	ng	# 75
91) Benzo(g,h,i)perylene	17.21	276	54196	4.36	ng	# 88

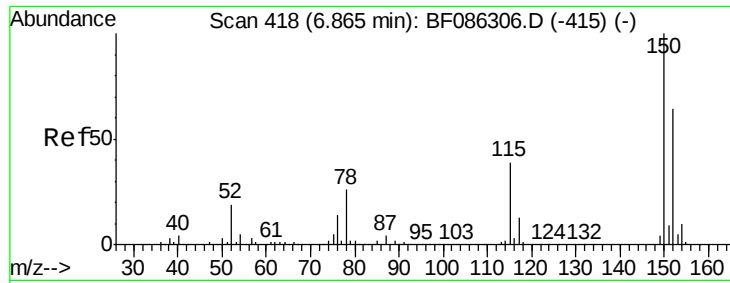
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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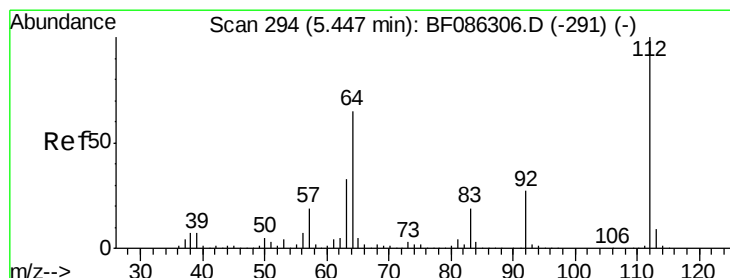
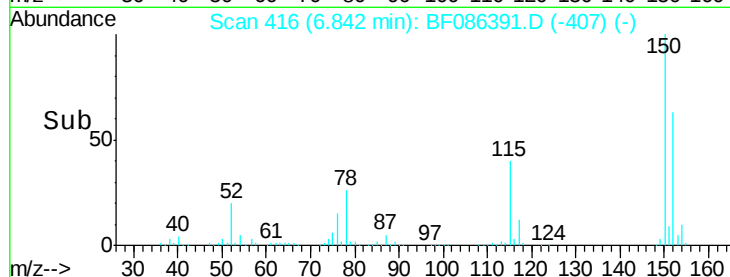
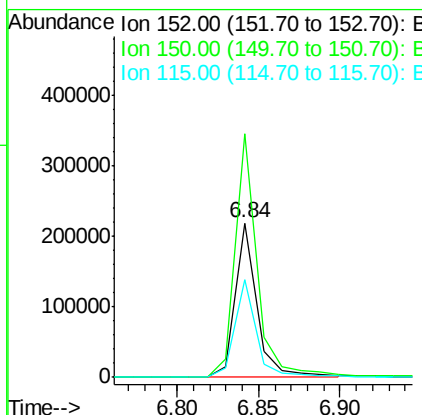
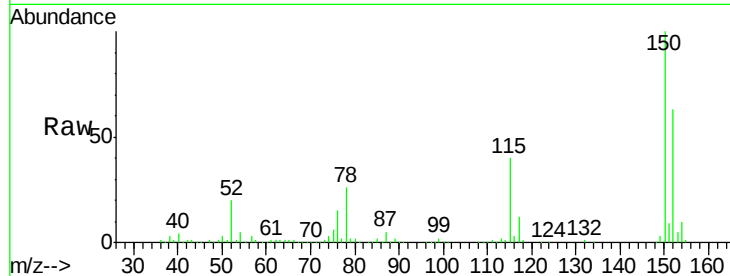




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.84 min Scan# 416
 Delta R.T. -0.00 min
 Lab File: BF086391.D
 Acq: 23 Apr 2016 15:33

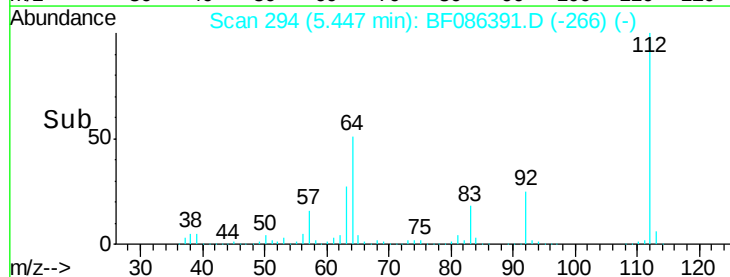
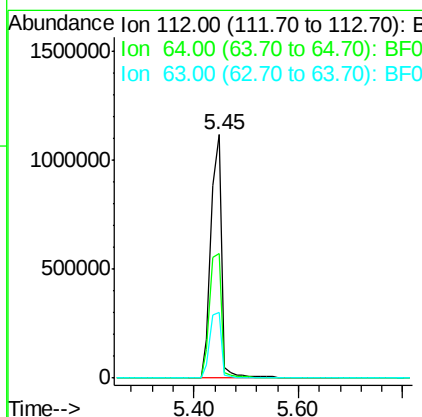
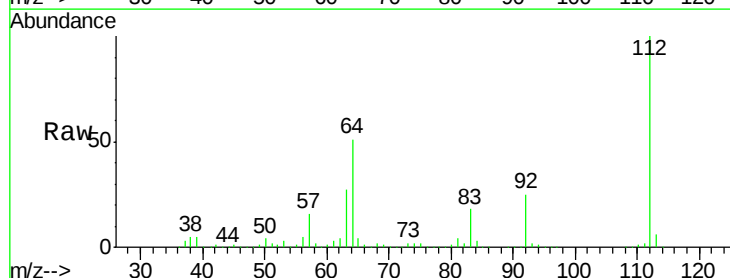
Instrument :
 BNA_F
 ClientSampleId :
 WPG-B14(0-11)-C

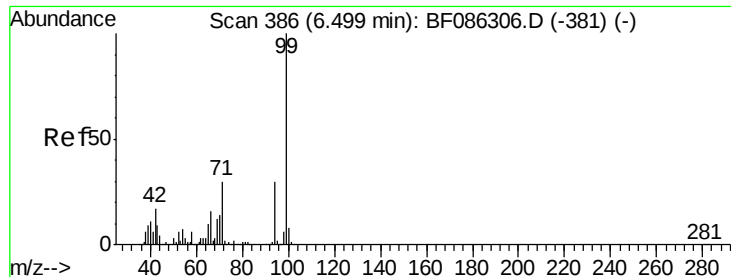
Tgt Ion:152 Resp: 203513
 Ion Ratio Lower Upper
 152 100
 150 157.9 125.8 188.6
 115 63.4 51.5 77.3



#5
 2-Fluorophenol
 Concen: 136.77 ng
 RT: 5.45 min Scan# 294
 Delta R.T. 0.02 min
 Lab File: BF086391.D
 Acq: 23 Apr 2016 15:33

Tgt Ion:112 Resp: 1611787
 Ion Ratio Lower Upper
 112 100
 64 51.4 52.1 78.1#
 63 27.0 25.7 38.5





#7

Phenol-d6

Concen: 128.50 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF086391.D

Acq: 23 Apr 2016 15:33

Instrument :

BNA_F

ClientSampleId :

WPG-B14(0-11)-C

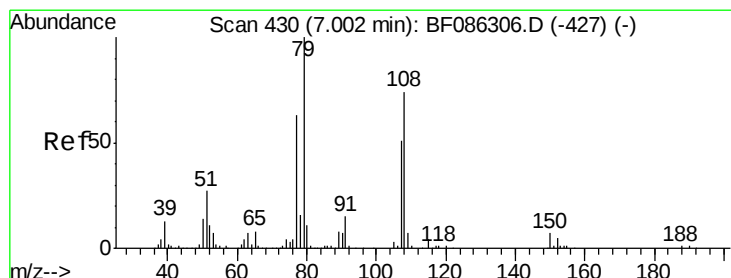
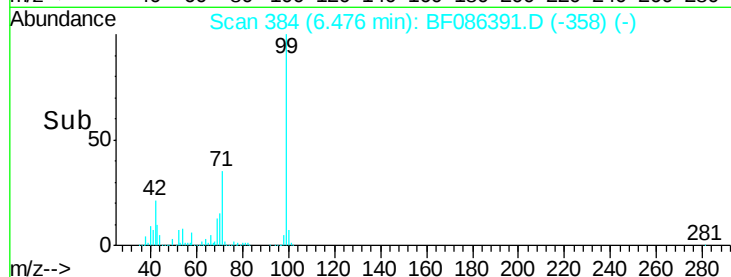
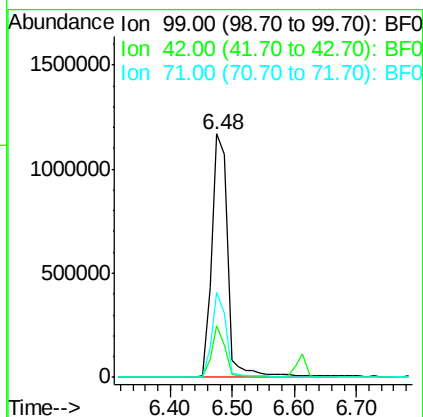
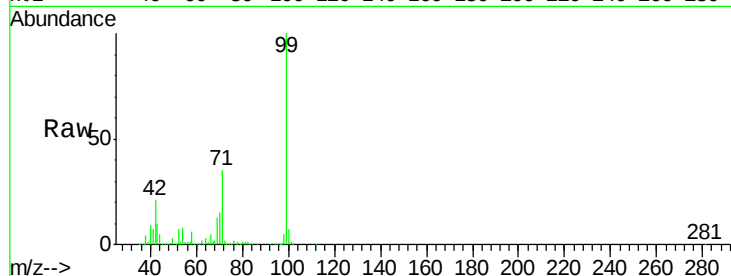
Tgt Ion: 99 Resp: 2058643

Ion Ratio Lower Upper

99 100

42 21.3 13.6 20.4#

71 35.1 24.6 36.8



#15

Benzyl Alcohol

Concen: 2.47 ng

RT: 7.00 min Scan# 430

Delta R.T. 0.01 min

Lab File: BF086391.D

Acq: 23 Apr 2016 15:33

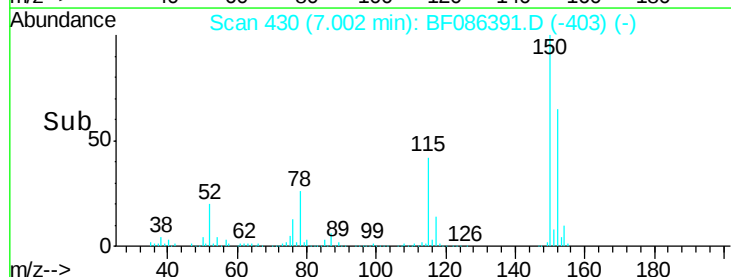
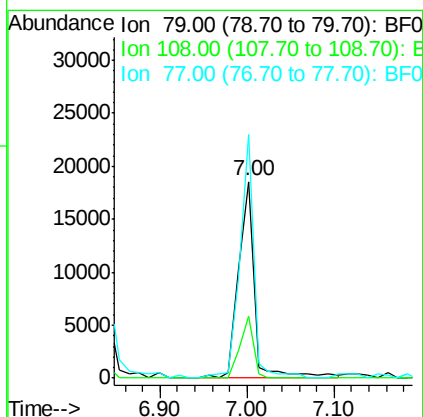
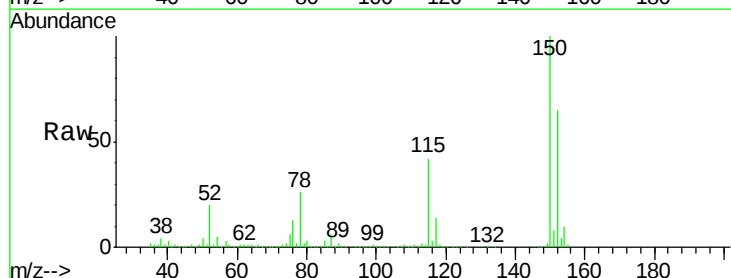
Tgt Ion: 79 Resp: 23461

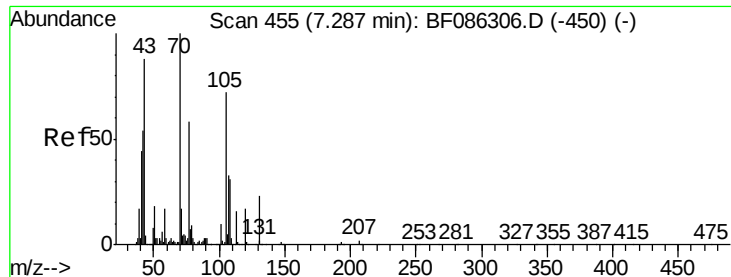
Ion Ratio Lower Upper

79 100

108 31.5 68.4 102.6#

77 123.9 50.6 76.0#

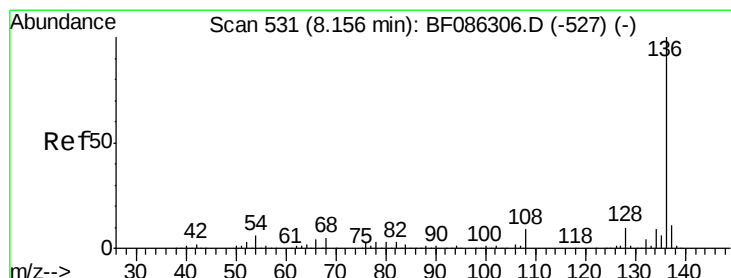
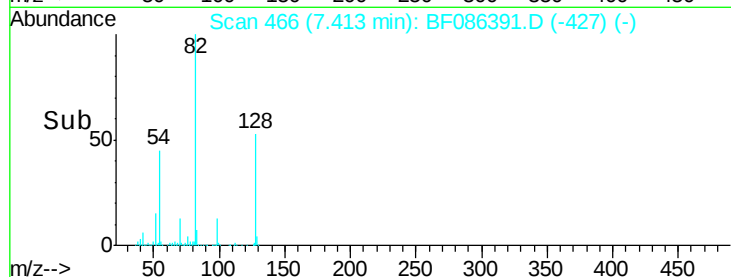
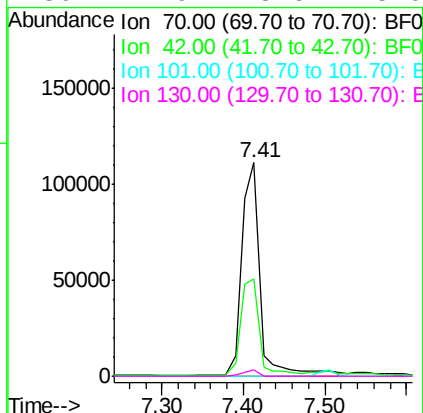
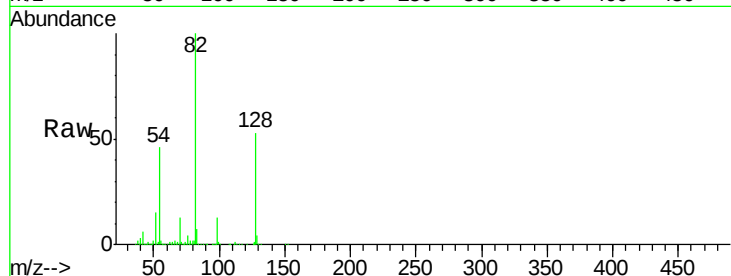




#19
 n-Nitroso-di-n-propylamine
 Concen: 18.19 ng
 RT: 7.41 min Scan# 466
 Delta R.T. 0.15 min
 Lab File: BF086391.D
 Acq: 23 Apr 2016 15:33

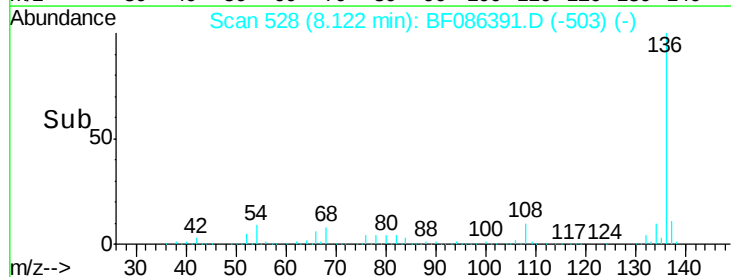
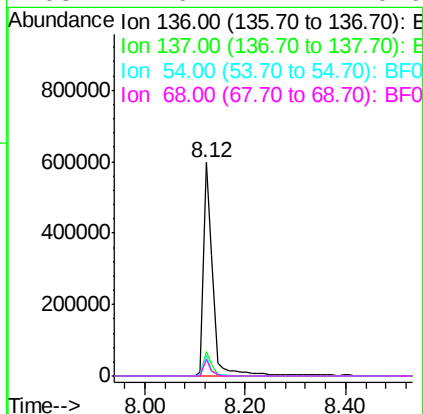
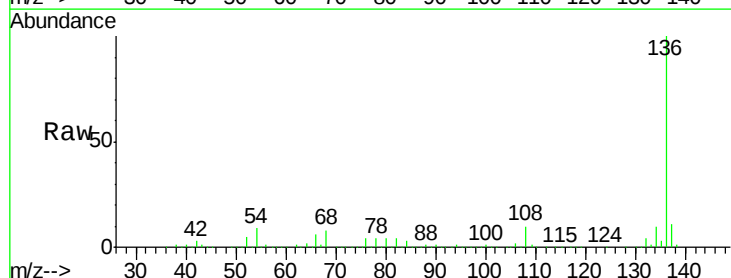
Instrument :
 BNA_F
 ClientSampleId :
 WPG-B14(0-11)-C

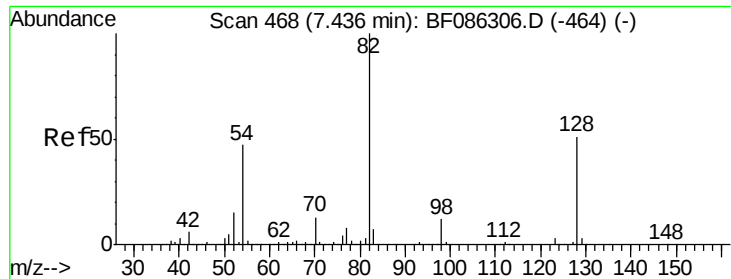
Tgt Ion:	70	Resp:	174185
Ion	Ratio	Lower	Upper
70	100		
42	45.3	43.1	64.7
101	0.0	8.1	12.1#
130	2.9	18.6	28.0#



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.12 min Scan# 528
 Delta R.T. -0.01 min
 Lab File: BF086391.D
 Acq: 23 Apr 2016 15:33

Tgt Ion:	136	Resp:	768033
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	9.4	5.0	7.4#
68	7.6	4.4	6.6#





#23

Nitrobenzene-d5

Concen: 102.16 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.00 min

Lab File: BF086391.D

Acq: 23 Apr 2016 15:33

Instrument :

BNA_F

ClientSampleId :

WPG-B14(0-11)-C

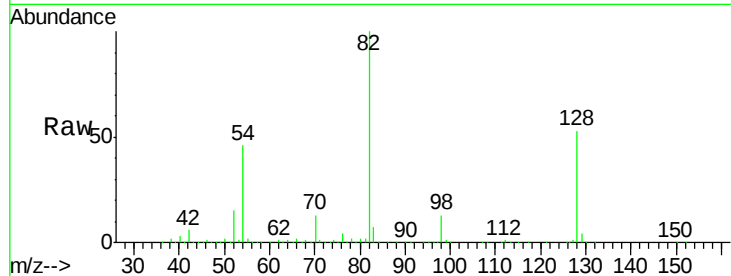
Tgt Ion: 82 Resp: 1324562

Ion Ratio Lower Upper

82 100

128 52.7 40.6 61.0

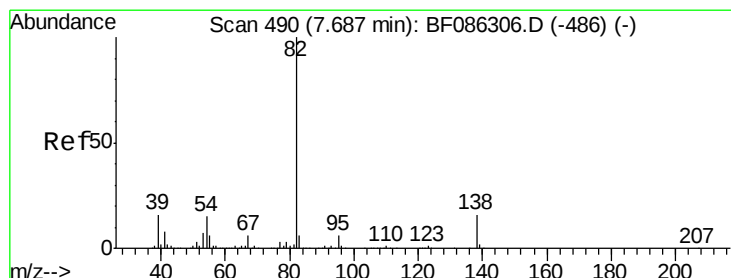
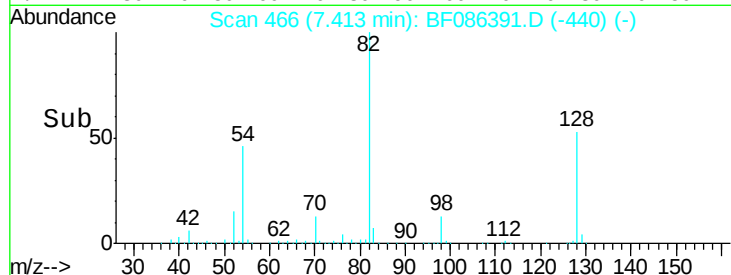
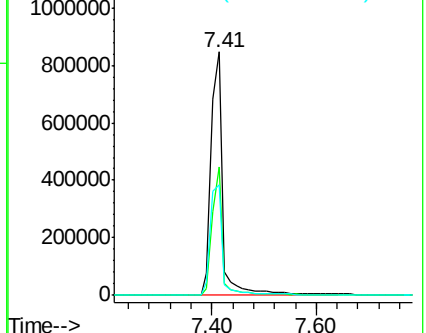
54 45.5 38.1 57.1



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 51.90 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.25 min

Lab File: BF086391.D

Acq: 23 Apr 2016 15:33

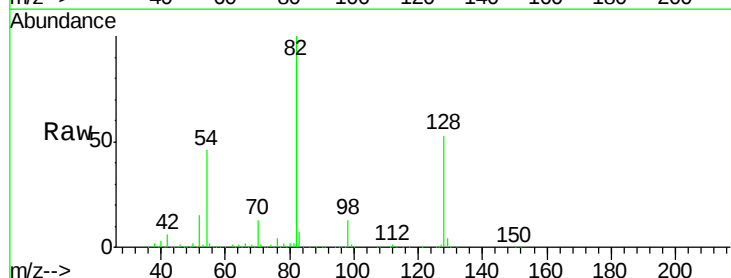
Tgt Ion: 82 Resp: 1318620

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

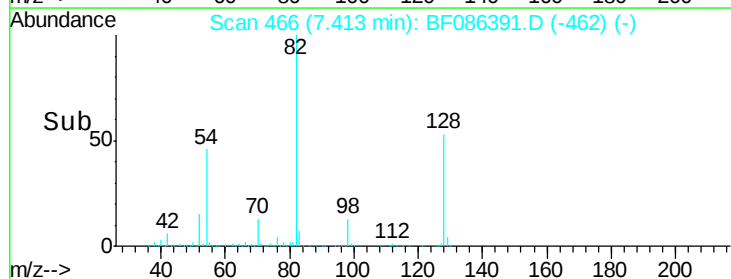
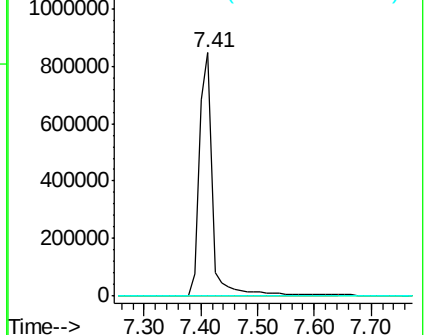
138 0.0 12.4 18.6#

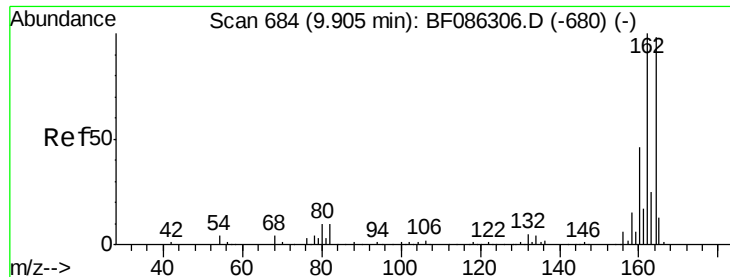


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.87 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF086391.D

Acq: 23 Apr 2016 15:33

Instrument :

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ClientSampleId :

WPG-B14(0-11)-C

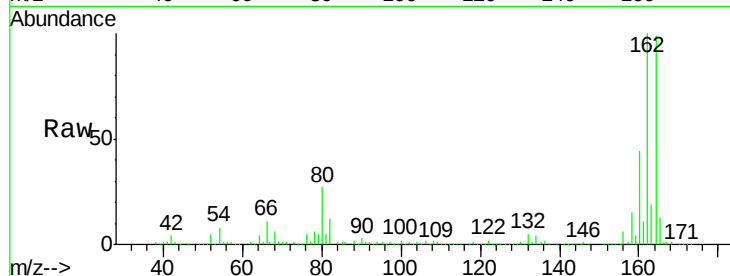
Tgt Ion:164 Resp: 312068

Ion Ratio Lower Upper

164 100

162 101.0 82.8 124.2

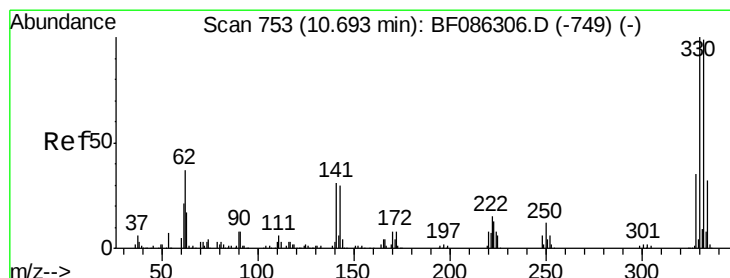
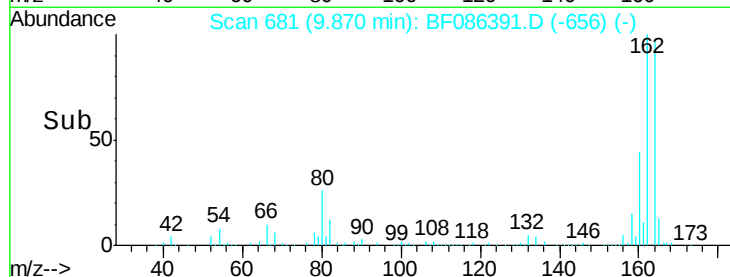
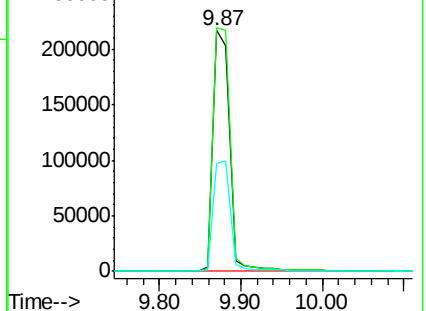
160 44.6 36.9 55.3



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: 116.06 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF086391.D

Acq: 23 Apr 2016 15:33

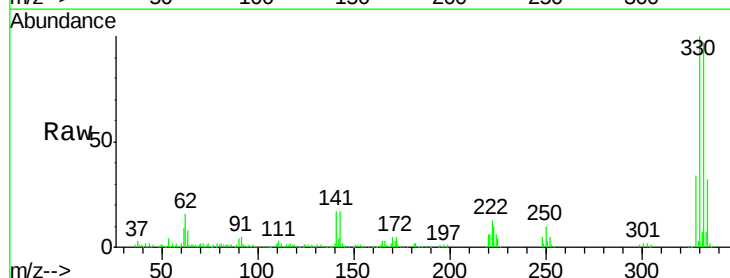
Tgt Ion:330 Resp: 327875

Ion Ratio Lower Upper

330 100

332 97.3 79.0 118.4

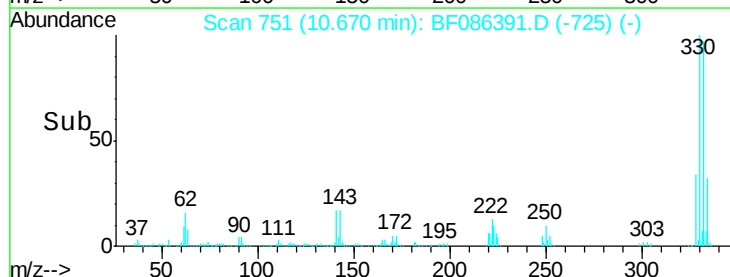
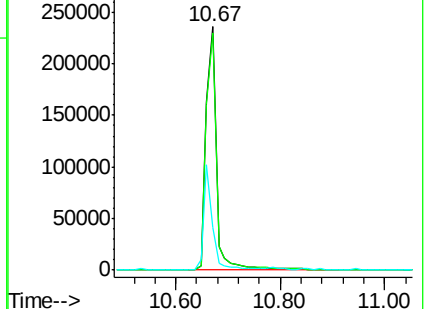
141 35.7 31.2 46.8

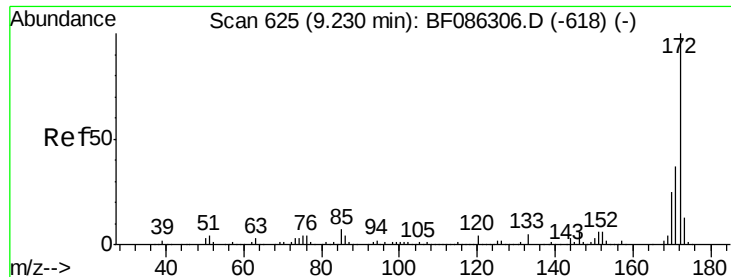


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

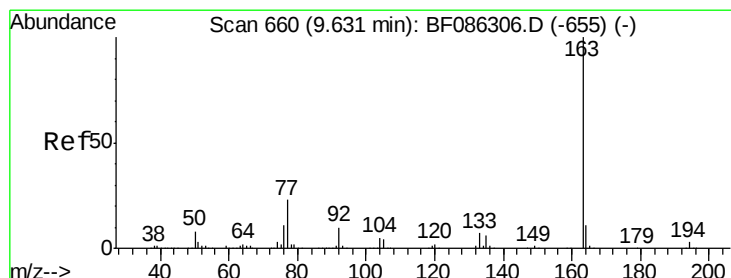
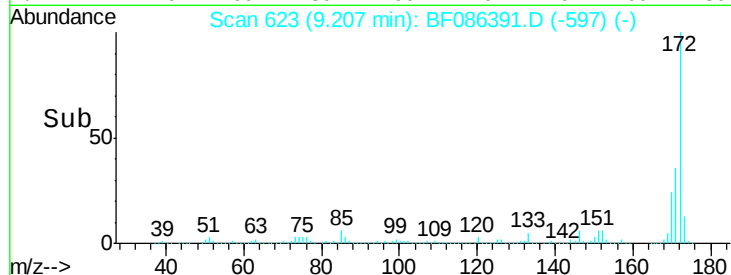
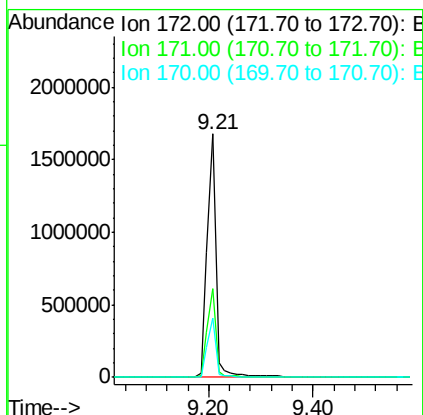
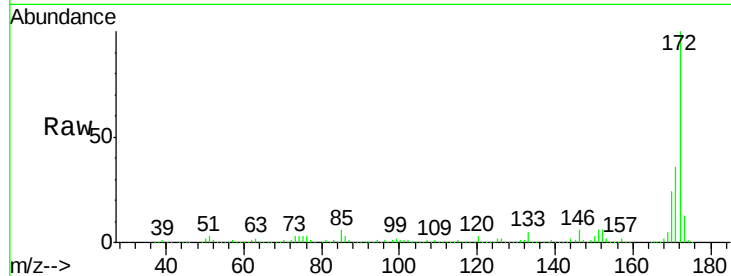




#44
 2-Fluorobiphenyl
 Concen: 108.58 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: BF086391.D
 Acq: 23 Apr 2016 15:33

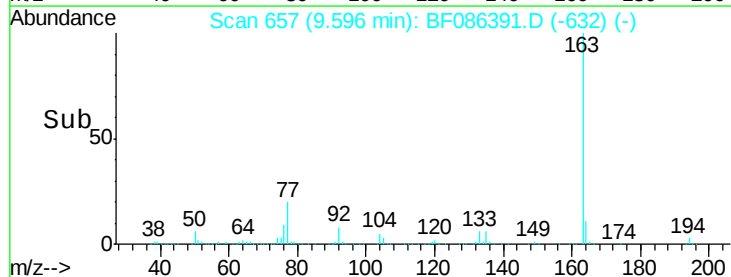
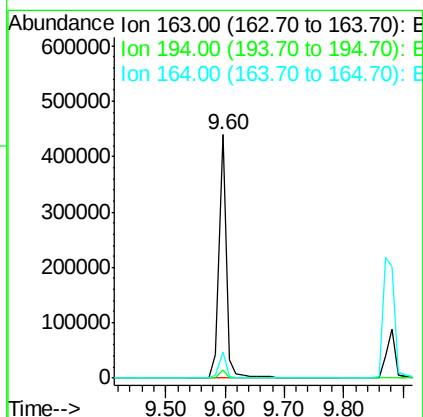
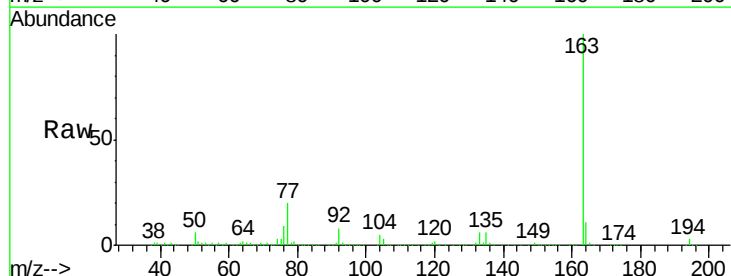
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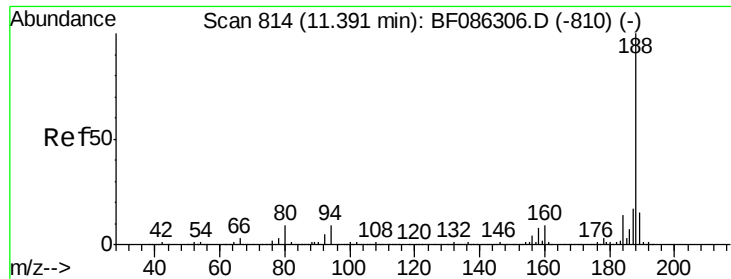
Tgt Ion:172 Resp: 1985679
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.0 43.6
 170 24.4 19.8 29.8



#49
 Dimethylphthalate
 Concen: 16.82 ng
 RT: 9.60 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: BF086391.D
 Acq: 23 Apr 2016 15:33

Tgt Ion:163 Resp: 379253
 Ion Ratio Lower Upper
 163 100
 194 3.5 2.6 4.0
 164 10.6 8.2 12.4

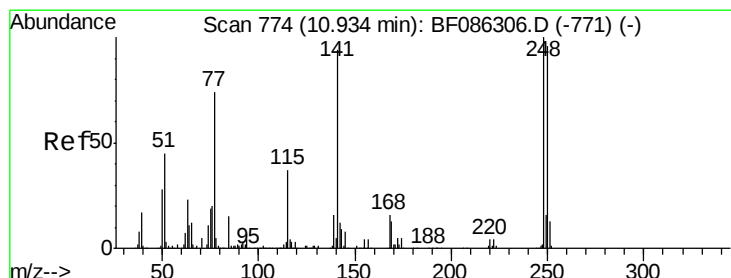
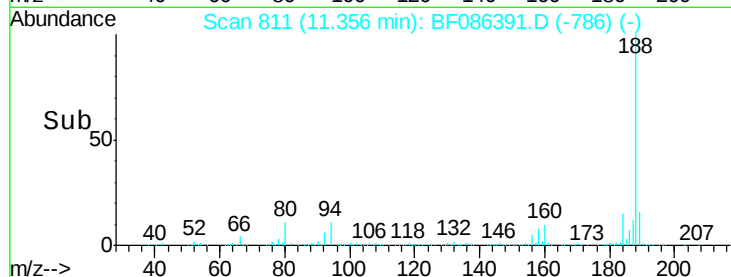
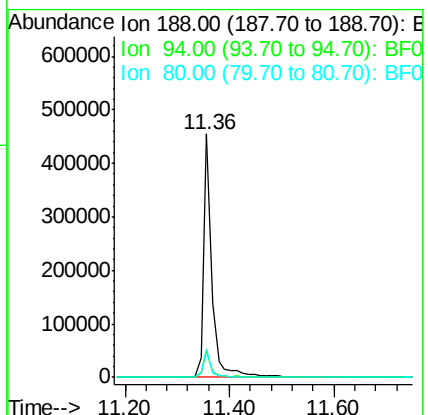
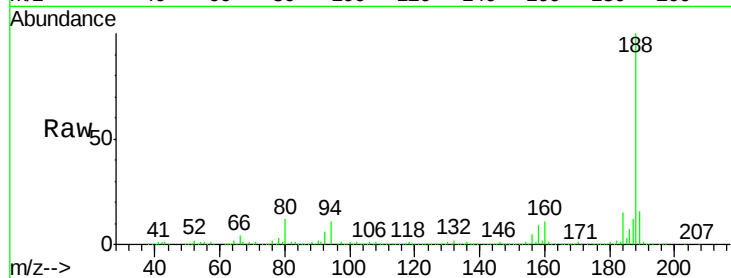




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF086391.D
 Acq: 23 Apr 2016 15:33

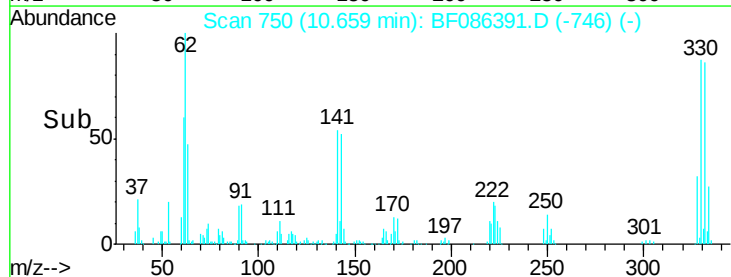
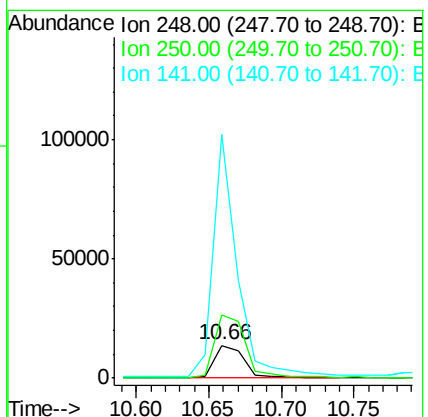
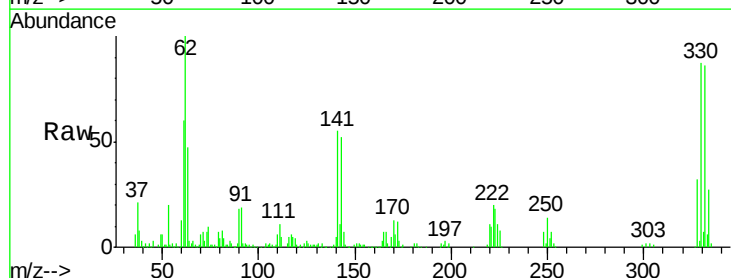
Instrument :
 BNA_F
 ClientSampleId :
 WPG-B14(0-11)-C

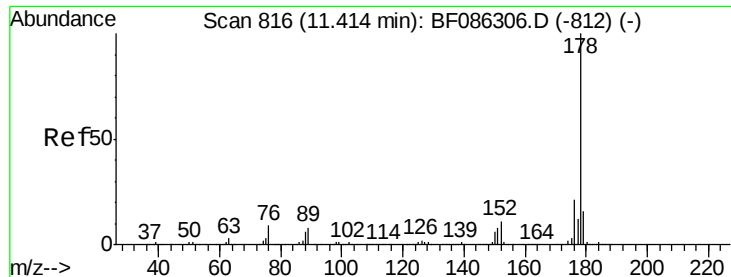
Tgt Ion:188 Resp: 508131
 Ion Ratio Lower Upper
 188 100
 94 10.8 6.8 10.2#
 80 11.6 7.1 10.7#



#66
 4-Bromophenyl-phenylether
 Concen: 3.97 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.25 min
 Lab File: BF086391.D
 Acq: 23 Apr 2016 15:33

Tgt Ion:248 Resp: 19746
 Ion Ratio Lower Upper
 248 100
 250 192.7 78.6 117.8#
 141 739.5 76.0 114.0#

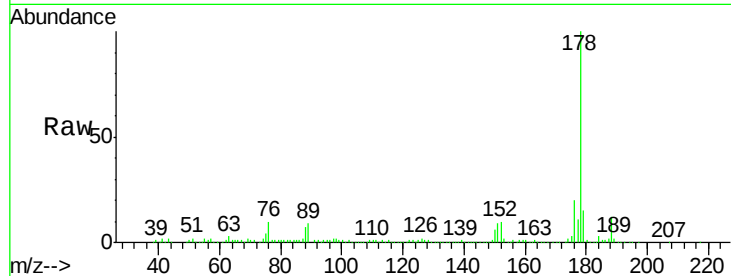




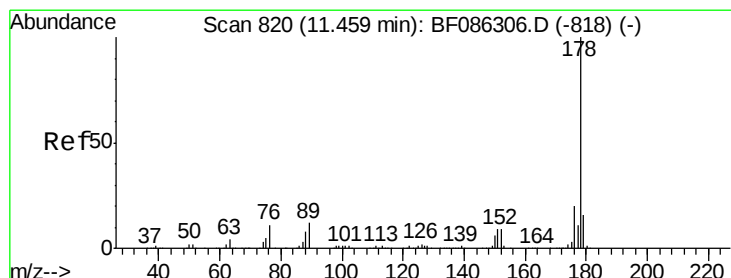
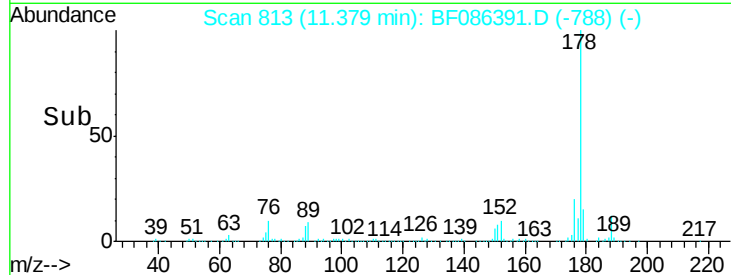
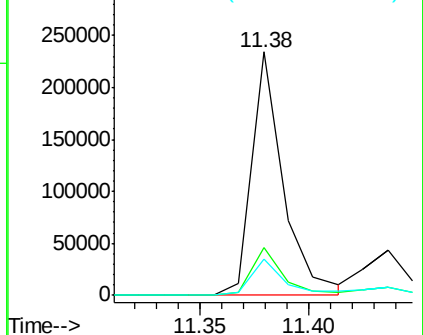
#70
Phenanthrene
Concen: 9.28 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF086391.D
Acq: 23 Apr 2016 15:33

Instrument :
BNA_F
ClientSampleId :
WPG-B14(0-11)-C

Tgt Ion:178 Resp: 236815
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.0 12.6 18.8

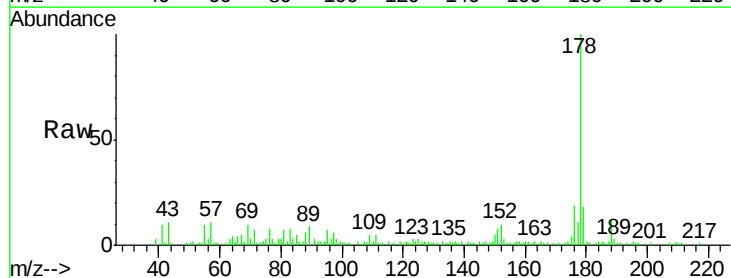


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

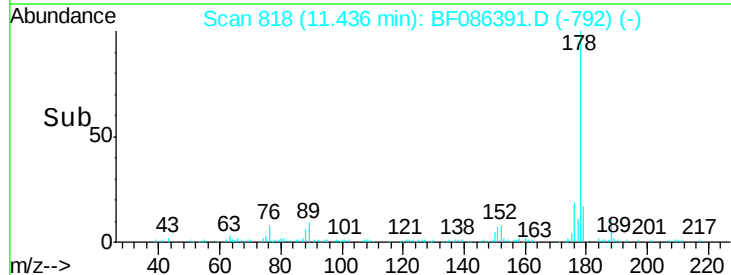
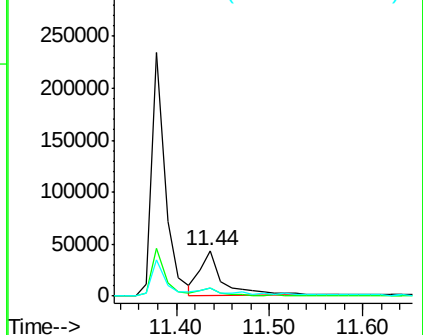


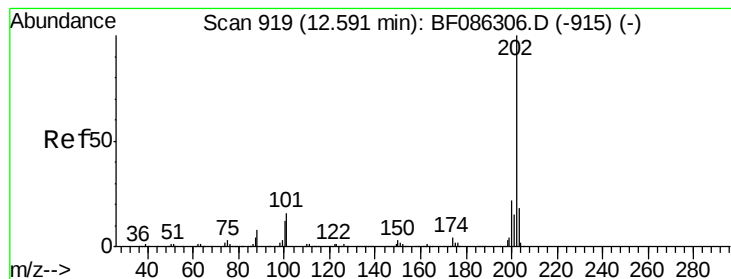
#71
Anthracene
Concen: 2.48 ng
RT: 11.44 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF086391.D
Acq: 23 Apr 2016 15:33

Tgt Ion:178 Resp: 72591
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 17.6 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 10.84 ng

RT: 12.57 min Scan# 917

Delta R.T. -0.00 min

Lab File: BF086391.D

Acq: 23 Apr 2016 15:33

Instrument :

BNA_F

ClientSampleId :

WPG-B14(0-11)-C

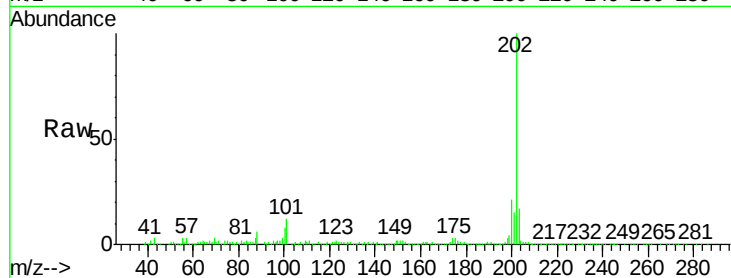
Tgt Ion:202 Resp: 298545

Ion Ratio Lower Upper

202 100

101 12.5 0.0 35.4

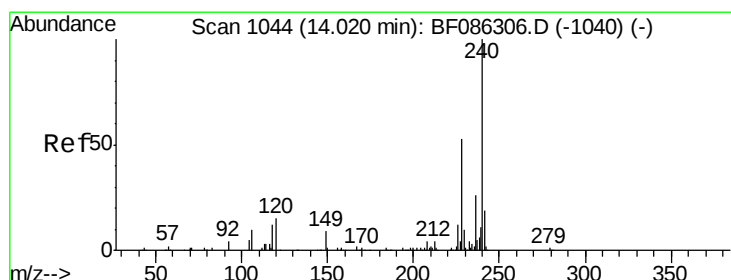
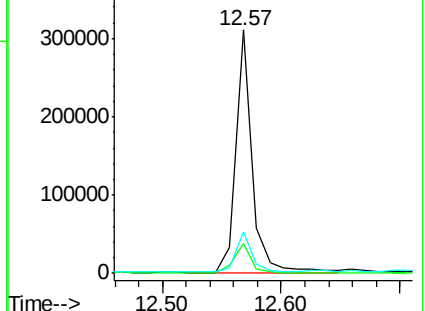
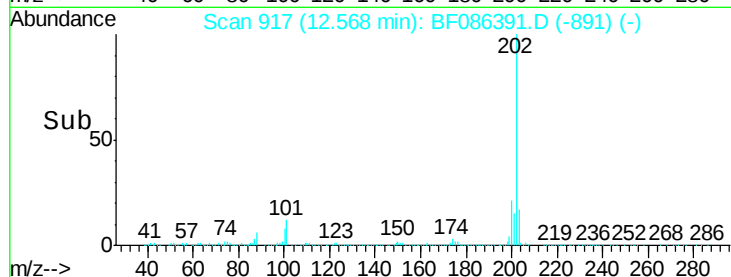
203 17.2 0.0 38.1



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: 14.00 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BF086391.D

Acq: 23 Apr 2016 15:33

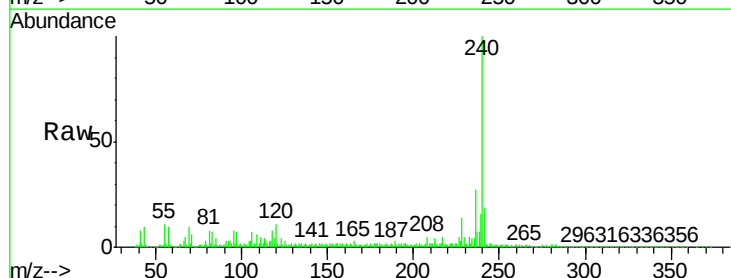
Tgt Ion:240 Resp: 375977

Ion Ratio Lower Upper

240 100

120 10.6 11.2 16.8#

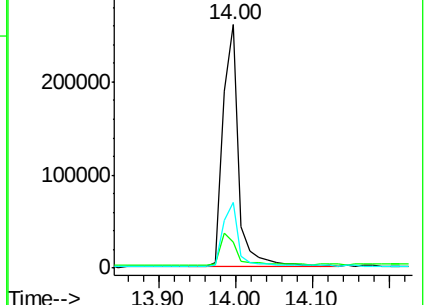
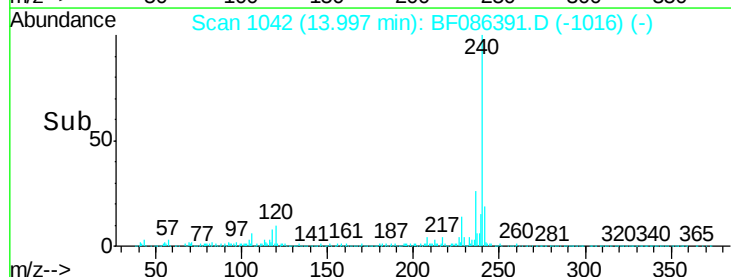
236 26.8 21.2 31.8

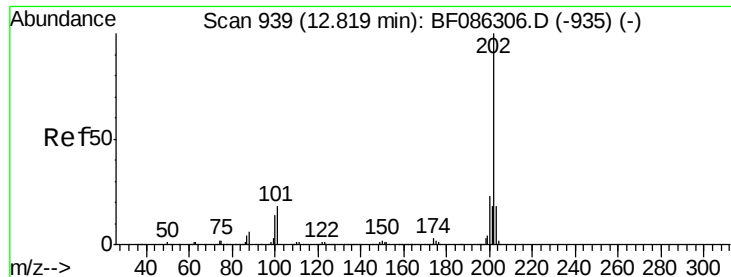


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

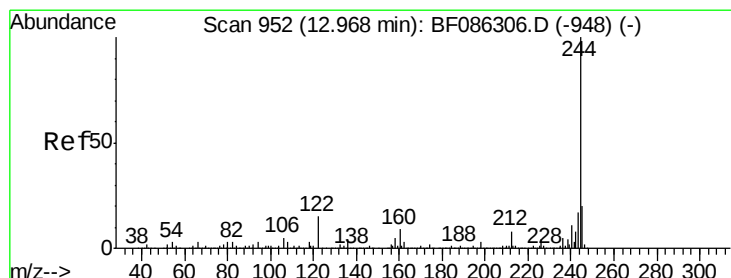
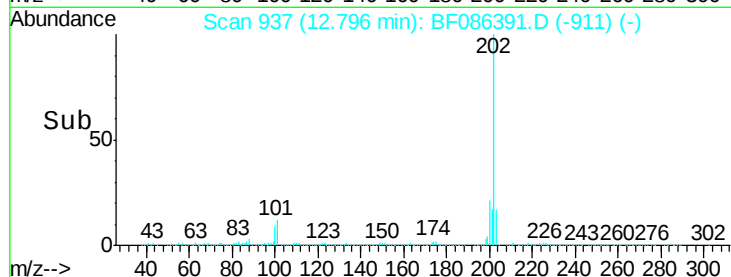
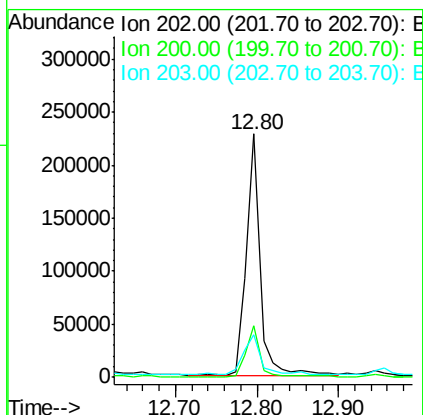
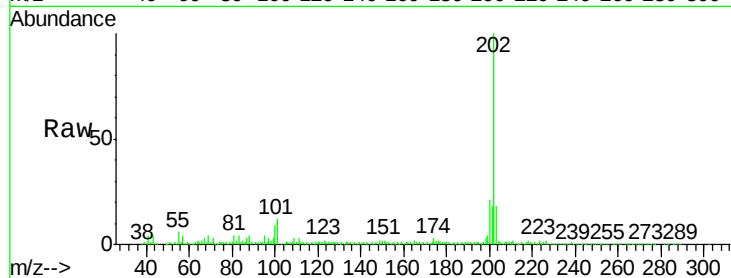




#77
 Pyrene
 Concen: 10.12 ng
 RT: 12.80 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: BF086391.D
 Acq: 23 Apr 2016 15:33

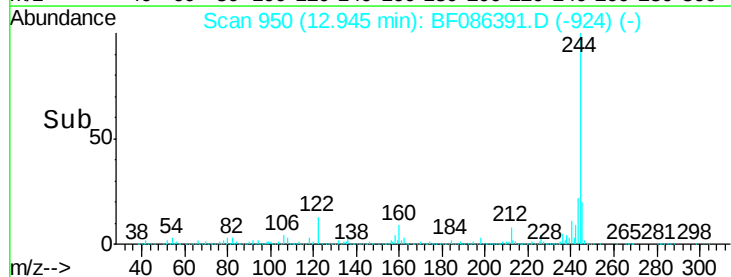
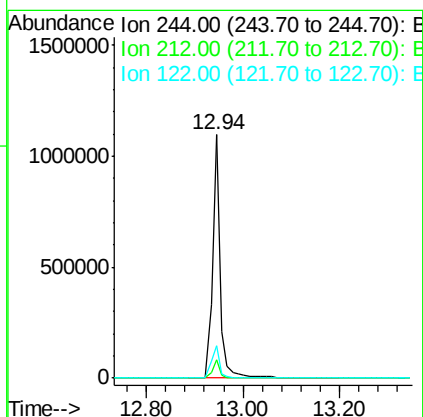
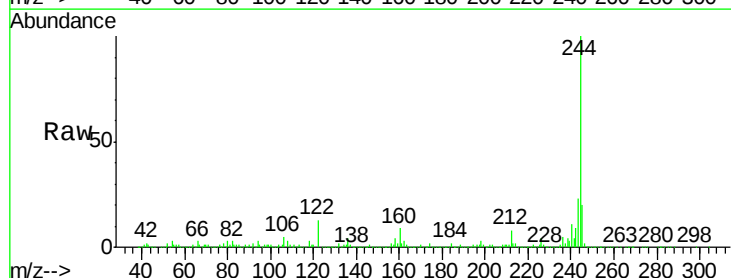
Instrument :
 BNA_F
 ClientSampleId :
 WPG-B14(0-11)-C

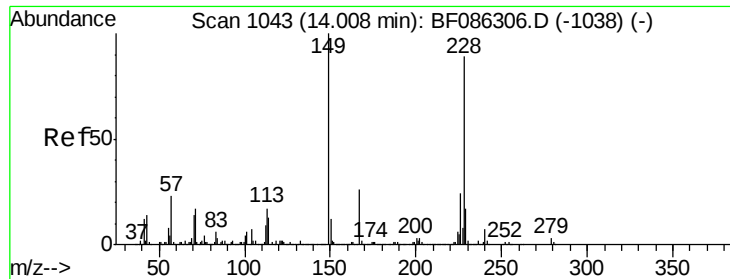
Tgt Ion:202 Resp: 265400
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.7 26.5
 203 17.7 14.2 21.4



#78
 Terphenyl-d14
 Concen: 81.80 ng
 RT: 12.94 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: BF086391.D
 Acq: 23 Apr 2016 15:33

Tgt Ion:244 Resp: 1237876
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.2
 122 13.5 12.0 18.0

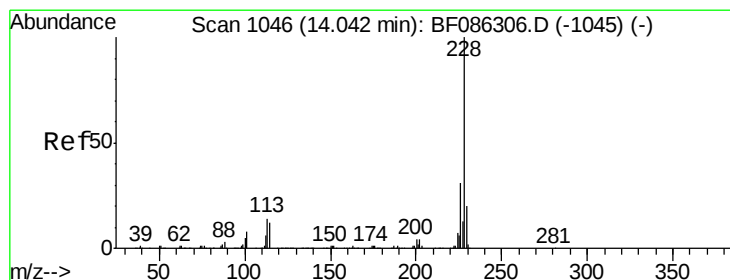
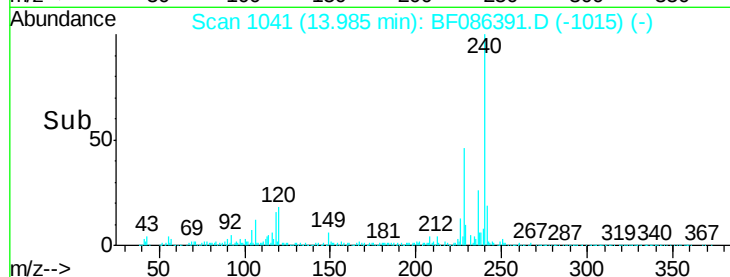
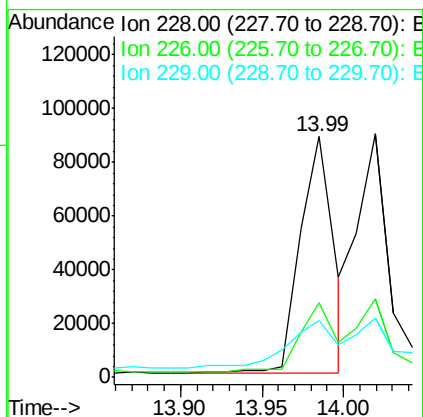
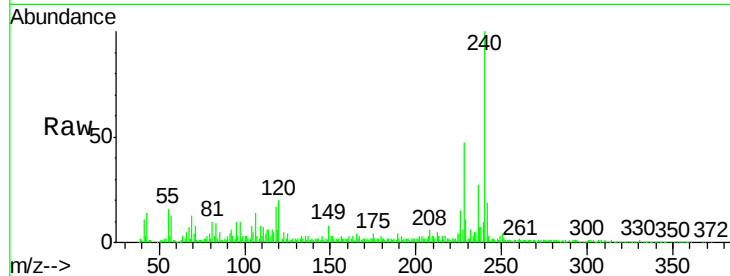




#80
Benzo(a)anthracene
Concen: 6.49 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BF086391.D
Acq: 23 Apr 2016 15:33

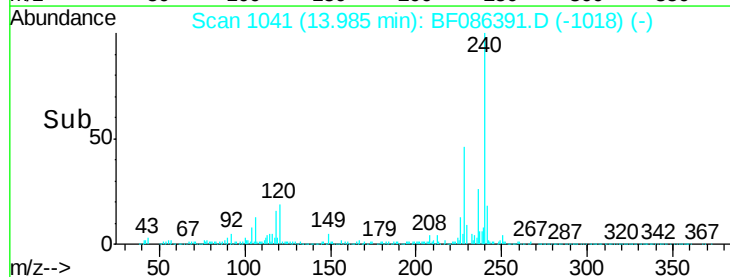
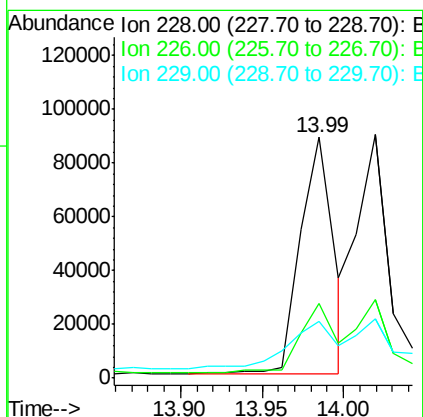
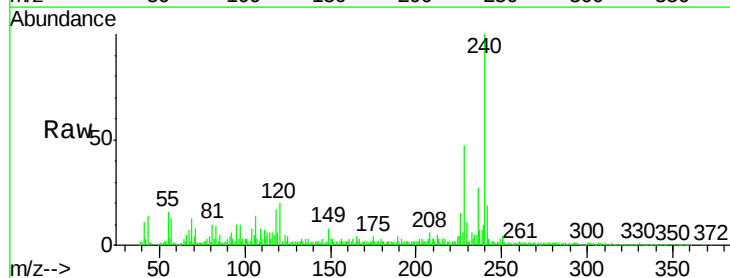
Instrument :
BNA_F
ClientSampleId :
WPG-B14(0-11)-C

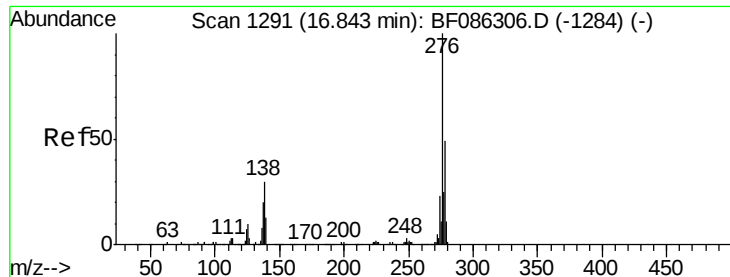
Tgt Ion:228 Resp: 126648
Ion Ratio Lower Upper
228 100
226 31.2 22.5 33.7
229 23.8 16.6 25.0



#82
Chrysene
Concen: 5.76 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.03 min
Lab File: BF086391.D
Acq: 23 Apr 2016 15:33

Tgt Ion:228 Resp: 126648
Ion Ratio Lower Upper
228 100
226 31.2 24.4 36.6
229 23.8 15.8 23.8#





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.64 ng

RT: 16.80 min Scan# 1287

Delta R.T. 0.01 min

Lab File: BF086391.D

Acq: 23 Apr 2016 15:33

Instrument :

BNA_F

ClientSampleId :

WPG-B14(0-11)-C

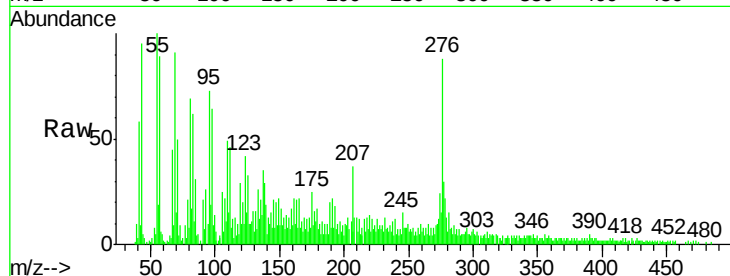
Tgt Ion:276 Resp: 51512

Ion Ratio Lower Upper

276 100

138 35.1 25.6 38.4

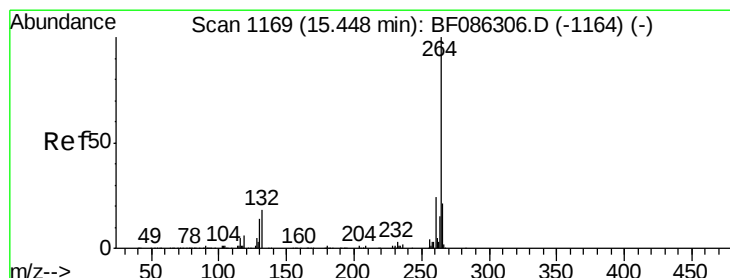
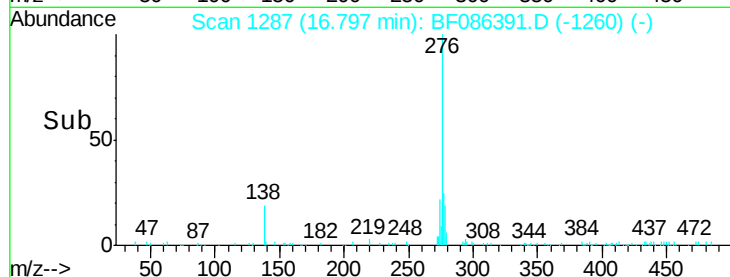
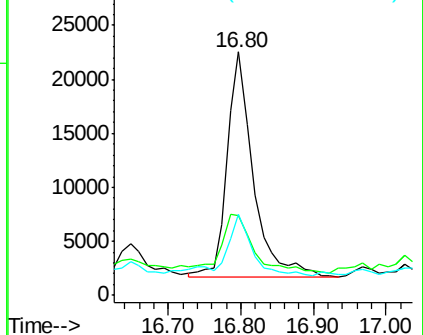
277 28.8 20.5 30.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.41 min Scan# 1166

Delta R.T. -0.00 min

Lab File: BF086391.D

Acq: 23 Apr 2016 15:33

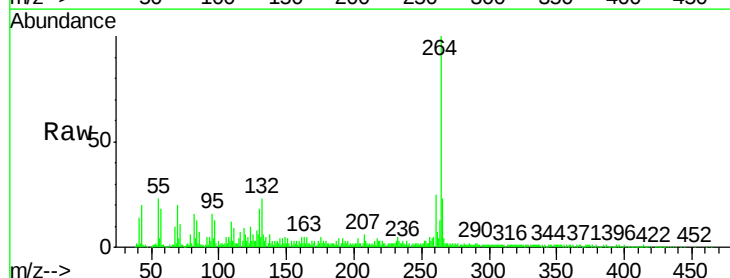
Tgt Ion:264 Resp: 269766

Ion Ratio Lower Upper

264 100

260 24.8 19.5 29.3

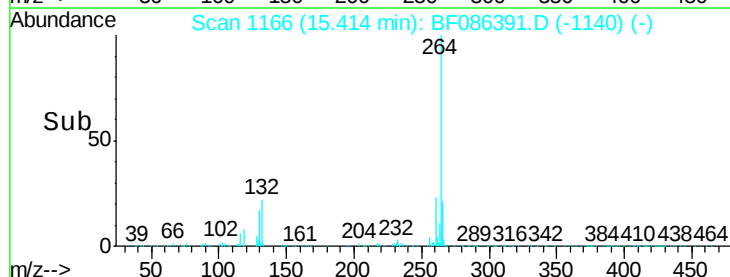
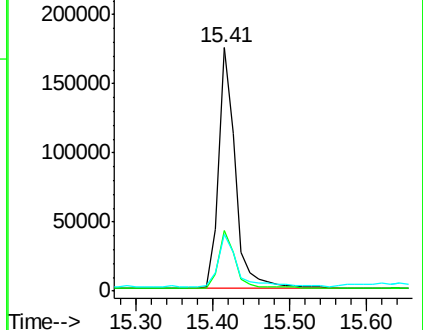
265 23.1 17.3 25.9

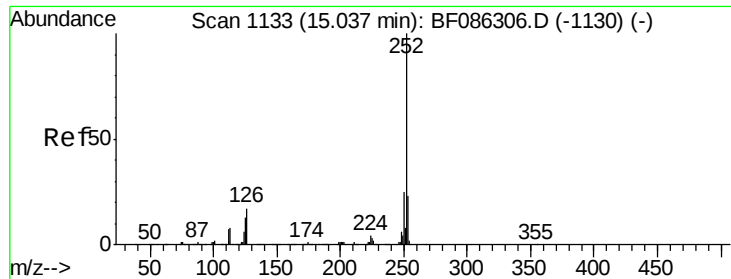


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

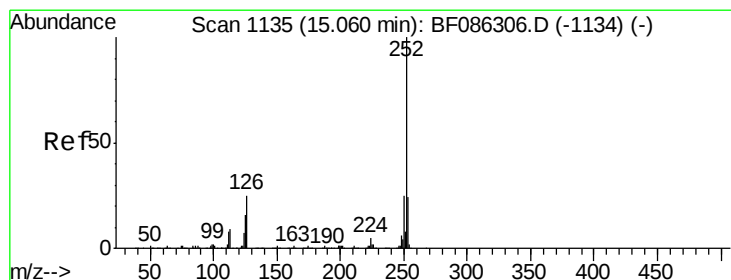
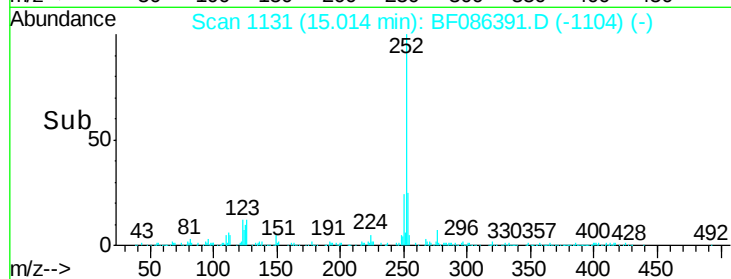
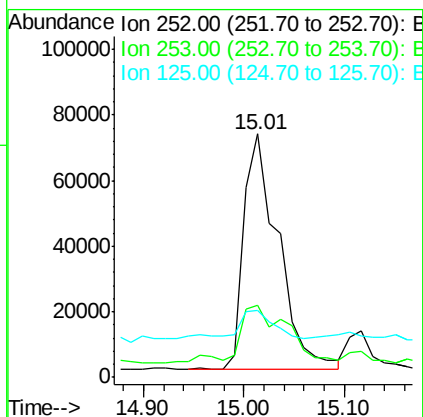
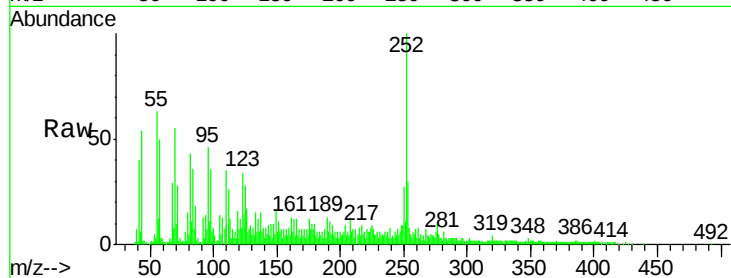




#87
Benzo(b)fluoranthene
Concen: 11.49 ng
RT: 15.01 min Scan# 1131
Delta R.T. 0.01 min
Lab File: BF086391.D
Acq: 23 Apr 2016 15:33

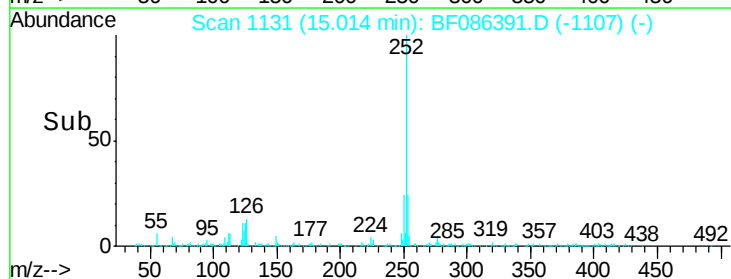
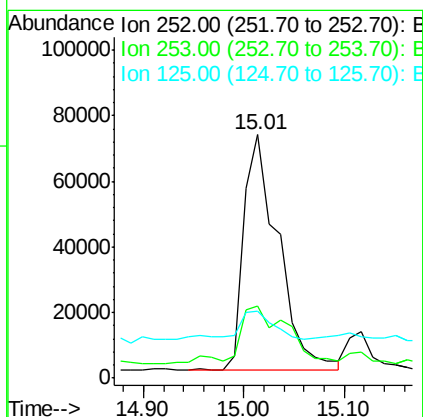
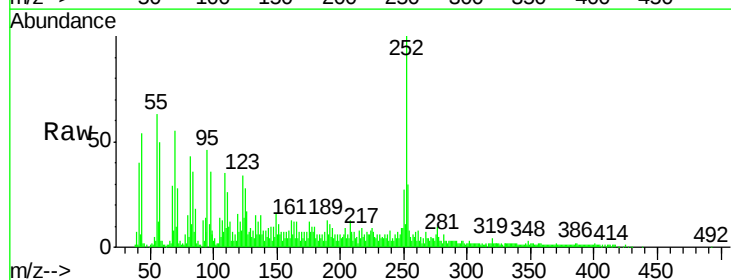
Instrument :
BNA_F
ClientSampleId :
WPG-B14(0-11)-C

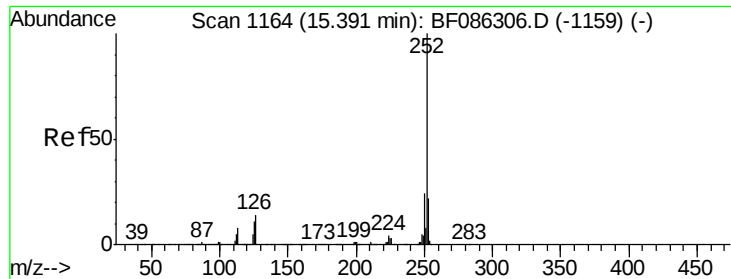
Tgt Ion:252 Resp: 170071
Ion Ratio Lower Upper
252 100
253 29.7 17.8 26.6#
125 27.6 11.4 17.0#



#88
Benzo(k)fluoranthene
Concen: 11.70 ng
RT: 15.01 min Scan# 1131
Delta R.T. -0.02 min
Lab File: BF086391.D
Acq: 23 Apr 2016 15:33

Tgt Ion:252 Resp: 170071
Ion Ratio Lower Upper
252 100
253 29.7 17.8 26.6#
125 27.6 9.1 13.7#





#89

Benzo(a)pyrene

Concen: 6.04 ng

RT: 15.36 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BF086391.D

Acq: 23 Apr 2016 15:33

Instrument :

BNA_F

ClientSampleId :

WPG-B14(0-11)-C

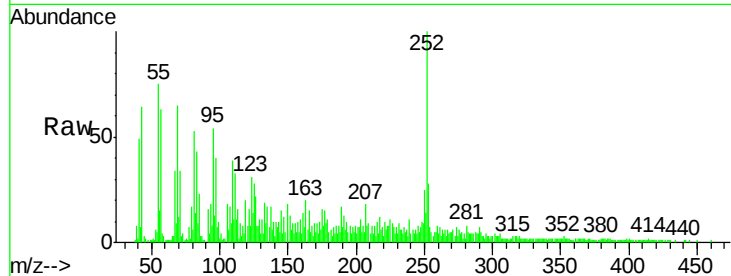
Tgt Ion: 252 Resp: 88293

Ion Ratio Lower Upper

252 100

253 28.4 17.2 25.8#

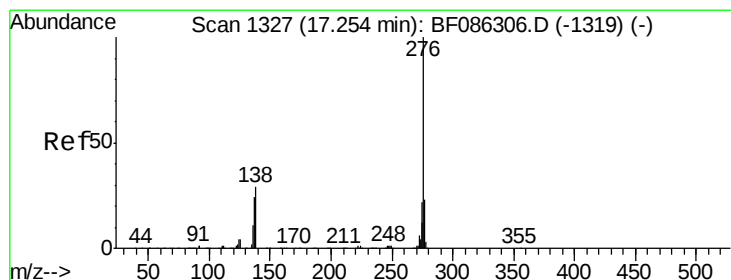
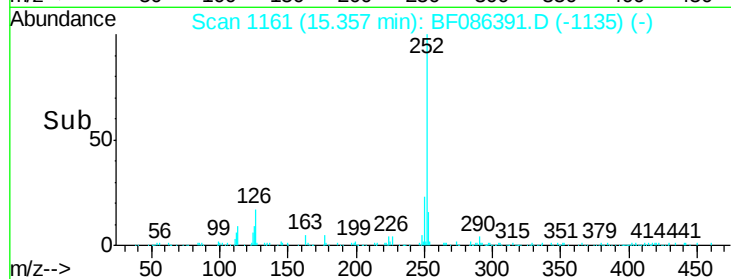
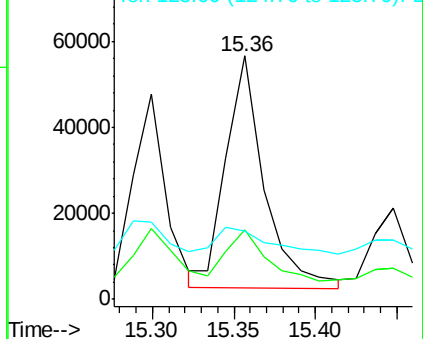
125 28.0 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 4.36 ng

RT: 17.21 min Scan# 1323

Delta R.T. 0.01 min

Lab File: BF086391.D

Acq: 23 Apr 2016 15:33

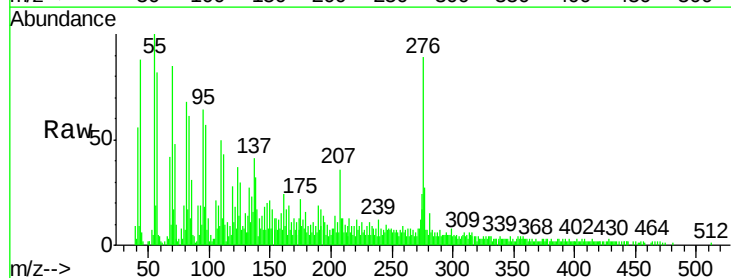
Tgt Ion: 276 Resp: 54196

Ion Ratio Lower Upper

276 100

277 30.6 19.6 29.4#

138 35.5 23.6 35.4#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

