

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042216\
 Data File : BF086400.D
 Acq On : 23 Apr 2016 19:55
 Operator : UM/SJ
 Sample : H2640-21
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B7(0-6)-C

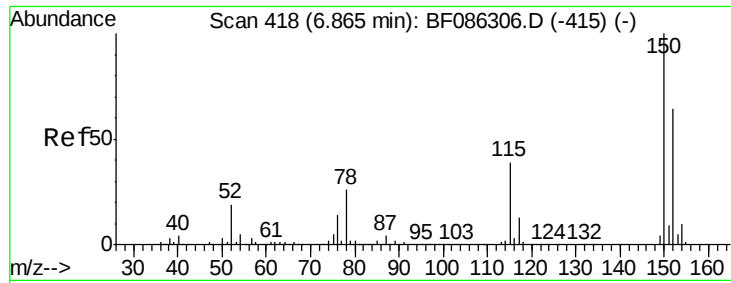
Quant Time: Apr 25 00:55:57 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 23 00:24:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	192914	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	742292	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	308663	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	494990	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	340480	20.00	ng	0.00
86) Perylene-d12	15.43	264	241692	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	1046684	93.70	ng	0.01
7) Phenol-d6	6.48	99	1365482	89.91	ng	0.00
23) Nitrobenzene-d5	7.40	82	891213	71.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	178934	64.04	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1435179	79.35	ng	0.00
78) Terphenyl-d14	12.94	244	952750	69.53	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	118065	13.01	ng	# 83
25) Isophorone	7.40	82	891201	36.29	ng	# 68
49) Dimethylphthalate	9.60	163	204168	9.16	ng	100
66) 4-Bromophenyl-phenylether	10.66	248	10315	2.13	ng	# 1
70) Phenanthrene	11.38	178	254460	10.23	ng	100
71) Anthracene	11.44	178	134877	4.73	ng	99
74) Fluoranthene	12.57	202	605724	22.58	ng	99
77) Pyrene	12.80	202	573336	24.14	ng	99
80) Benzo(a)anthracene	13.99	228	299283	16.93	ng	93
82) Chrysene	13.99	228	299283	15.03	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.81	276	102691	5.80	ng	96
87) Benzo(b)fluoranthene	15.01	252	333013	25.10	ng	# 86
88) Benzo(k)fluoranthene	15.01	252	333013	25.58	ng	# 84
89) Benzo(a)pyrene	15.37	252	171317	13.09	ng	# 85
90) Dibenzo(a,h)anthracene	16.82	278	24008	2.22	ng	# 47
91) Benzo(g,h,i)perylene	17.23	276	100946	9.06	ng	93

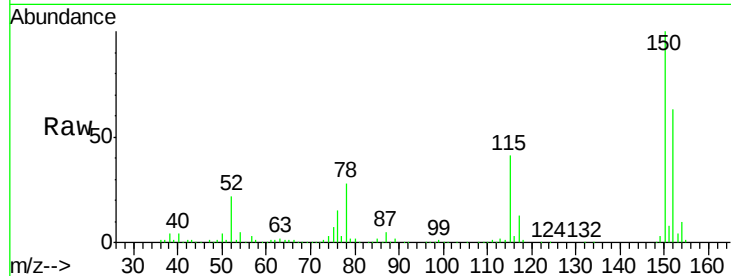
(#) = qualifier out of range (m) = manual integration (+) = signals summed



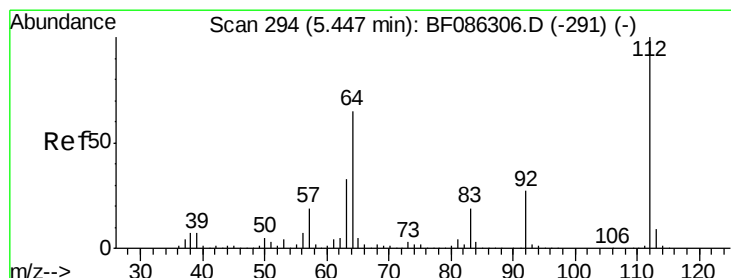
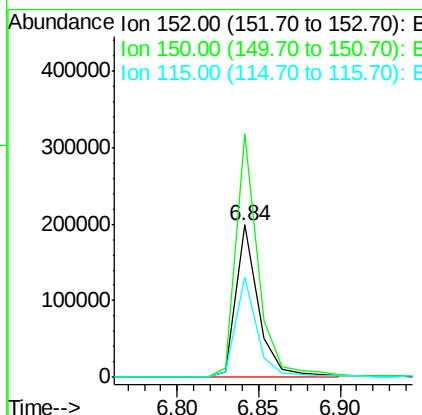
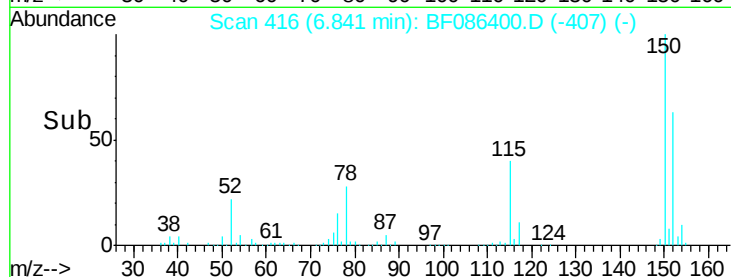
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.84 min Scan# 416
 Delta R.T. -0.00 min
 Lab File: BF086400.D
 Acq: 23 Apr 2016 19:55

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B7(0-6)-C

Tgt Ion:152 Resp: 192914
 Ion Ratio Lower Upper
 152 100
 150 159.5 125.8 188.6
 115 66.0 51.5 77.3

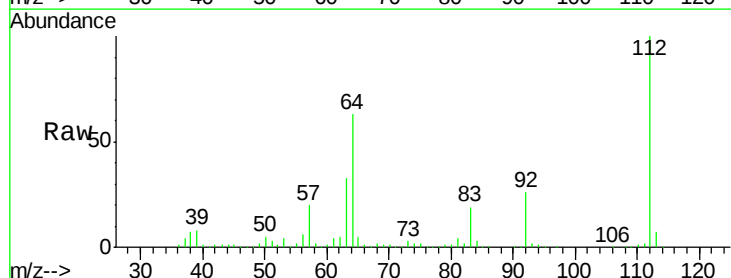


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

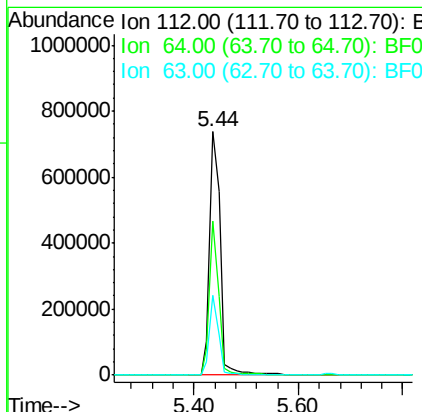
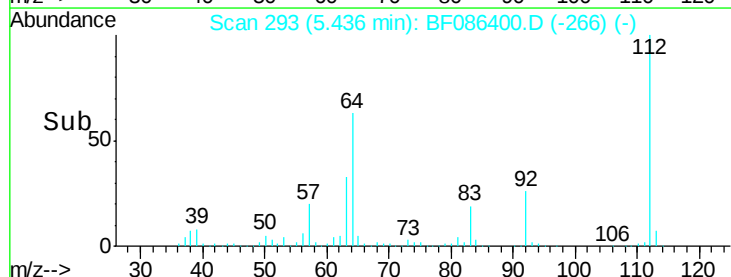


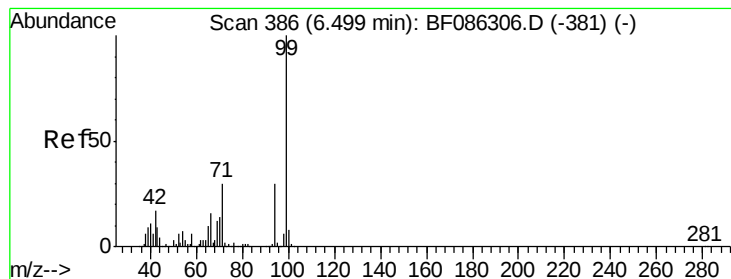
#5
 2-Fluorophenol
 Concen: 93.70 ng
 RT: 5.44 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: BF086400.D
 Acq: 23 Apr 2016 19:55

Tgt Ion:112 Resp: 1046684
 Ion Ratio Lower Upper
 112 100
 64 63.2 52.1 78.1
 63 32.9 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: 89.91 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF086400.D

Acq: 23 Apr 2016 19:55

Instrument :

BNA_F

ClientSampleId :

WPG-B7(0-6)-C

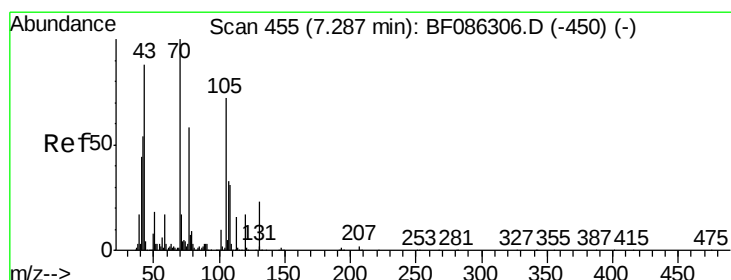
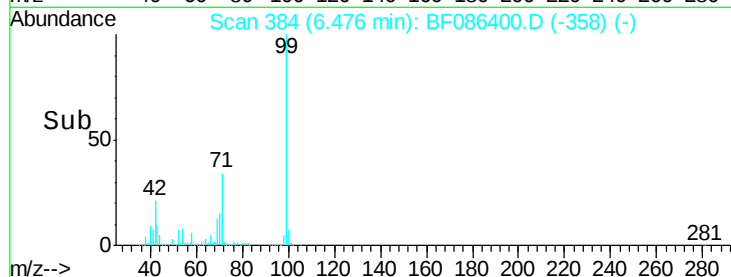
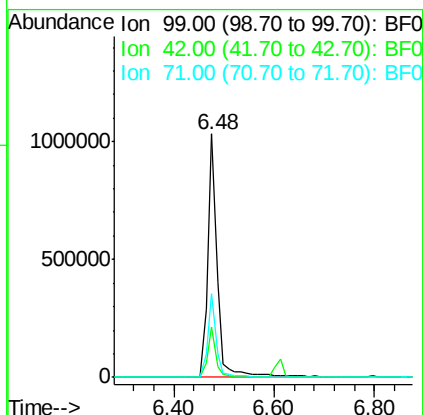
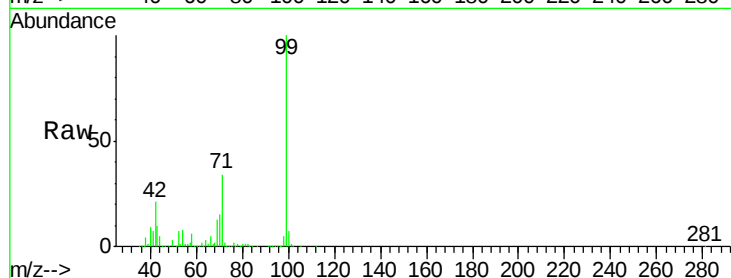
Tgt Ion: 99 Resp: 1365482

Ion Ratio Lower Upper

99 100

42 20.8 13.6 20.4#

71 34.1 24.6 36.8



#19

n-Nitroso-di-n-propylamine

Concen: 13.01 ng

RT: 7.40 min Scan# 465

Delta R.T. 0.14 min

Lab File: BF086400.D

Acq: 23 Apr 2016 19:55

Tgt Ion: 70 Resp: 118065

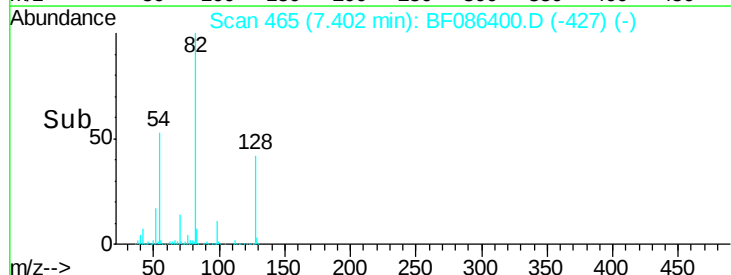
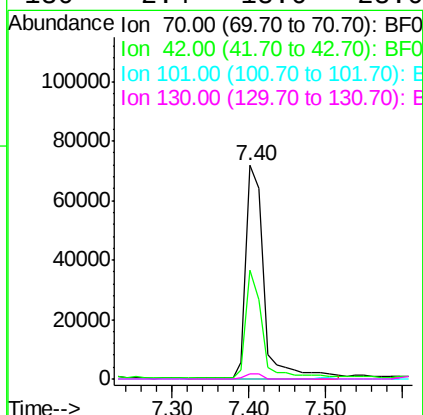
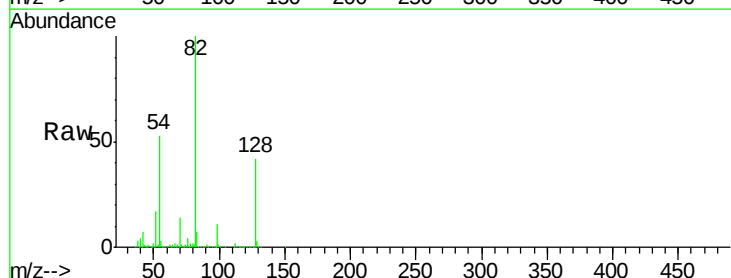
Ion Ratio Lower Upper

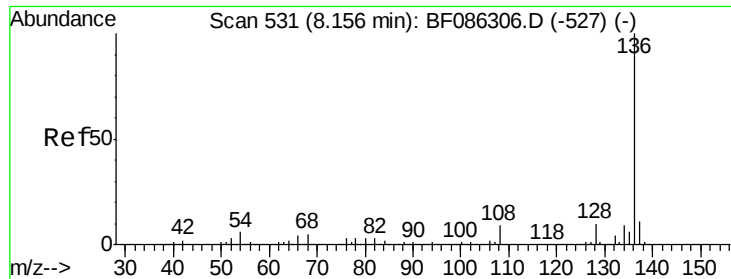
70 100

42 50.9 43.1 64.7

101 0.0 8.1 12.1#

130 2.4 18.6 28.0#

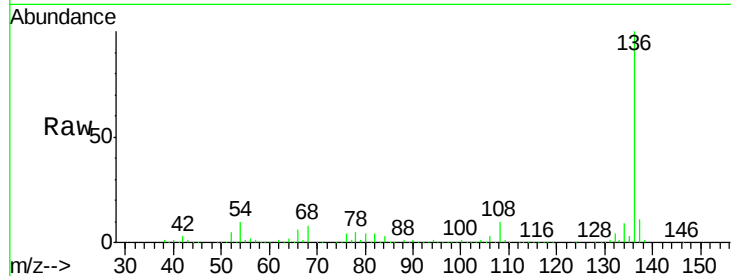




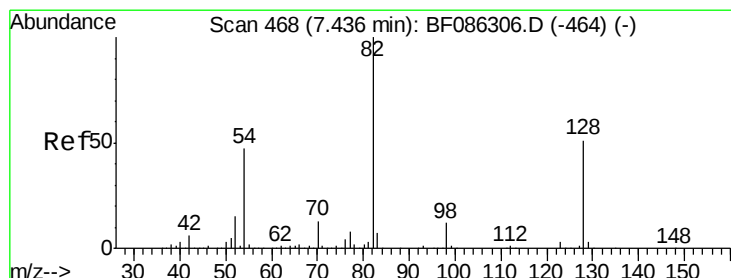
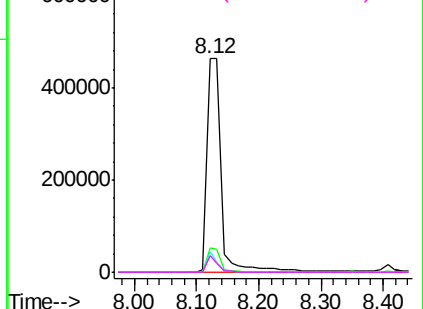
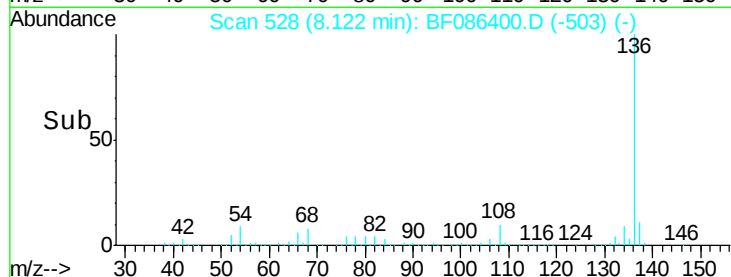
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF086400.D
Acq: 23 Apr 2016 19:55

Instrument :
BNA_F
ClientSampleId :
WPG-B7(0-6)-C

Tgt Ion:	136	Resp:	742292
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.8	13.2
54	9.6	5.0	7.4#
68	7.7	4.4	6.6#

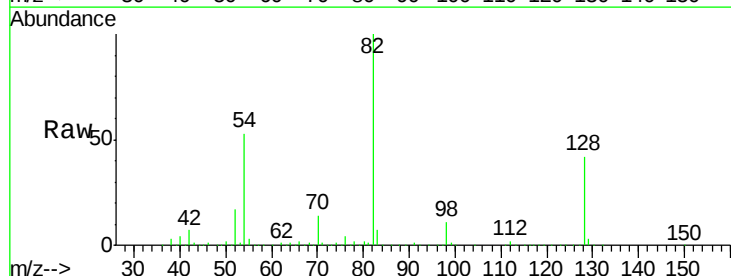


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

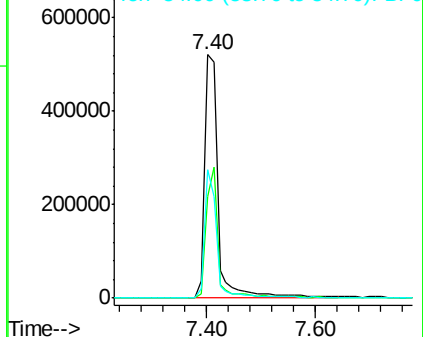
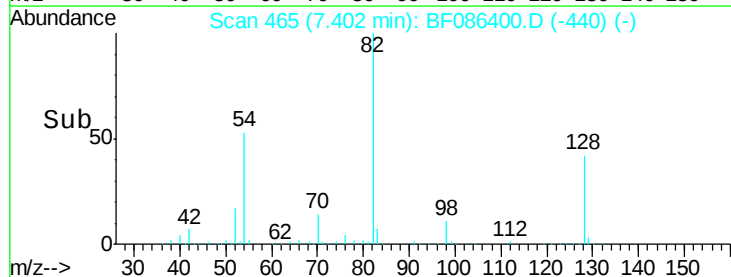


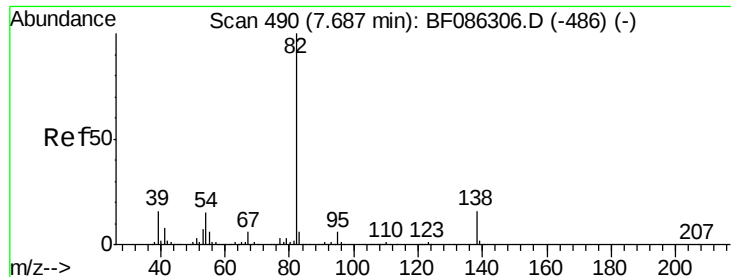
#23
Nitrobenzene-d5
Concen: 71.12 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.01 min
Lab File: BF086400.D
Acq: 23 Apr 2016 19:55

Tgt Ion:	82	Resp:	891213
Ion	Ratio	Lower	Upper
82	100		
128	41.5	40.6	61.0
54	52.9	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: 36.29 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.26 min

Lab File: BF086400.D

Acq: 23 Apr 2016 19:55

Instrument :

BNA_F

ClientSampleId :

WPG-B7(0-6)-C

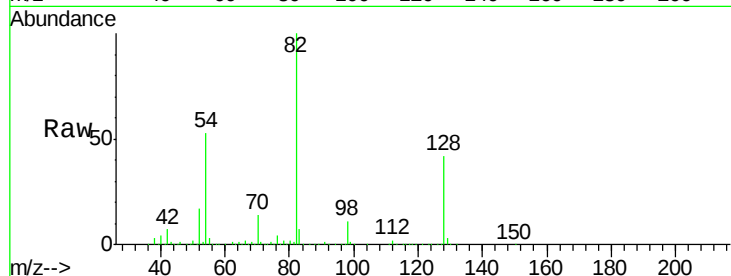
Tgt Ion: 82 Resp: 891201

Ion Ratio Lower Upper

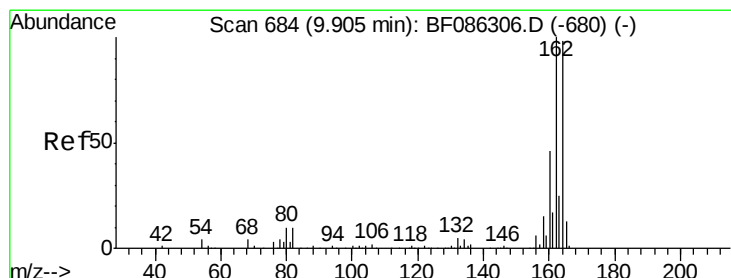
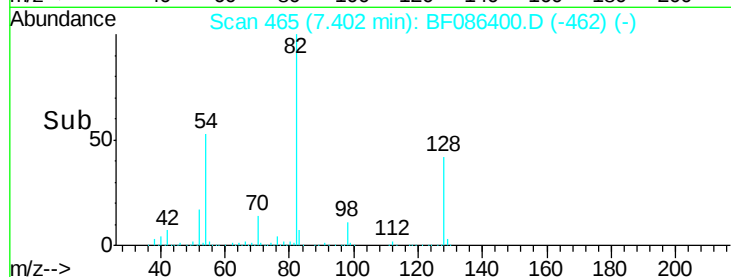
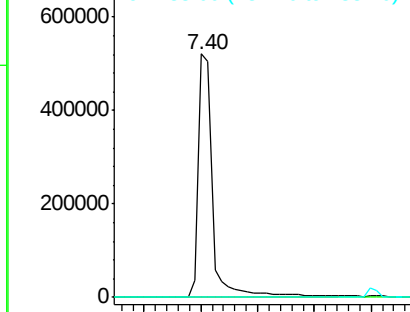
82 100

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: BF086400.D

Acq: 23 Apr 2016 19:55

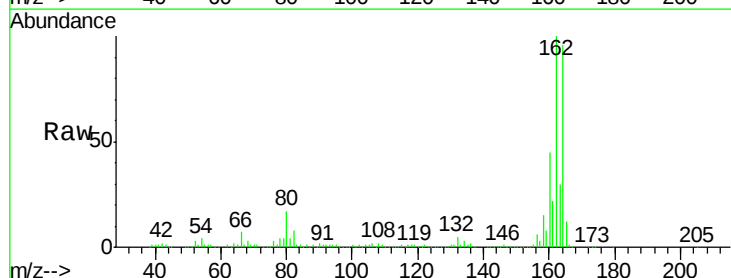
Tgt Ion: 164 Resp: 308663

Ion Ratio Lower Upper

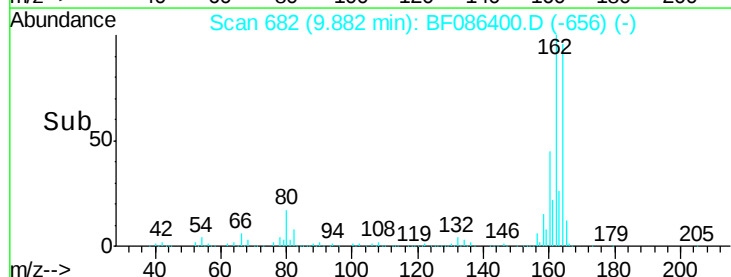
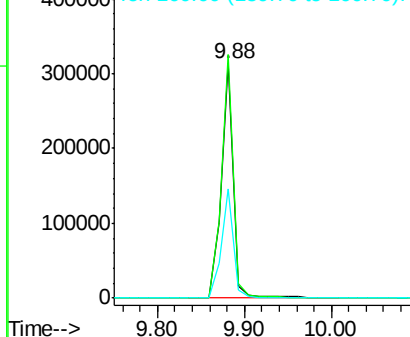
164 100

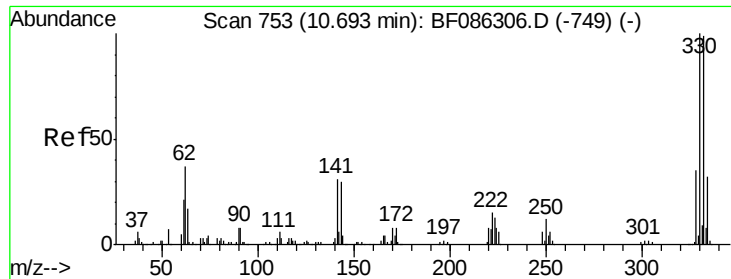
162 103.8 82.8 124.2

160 46.5 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

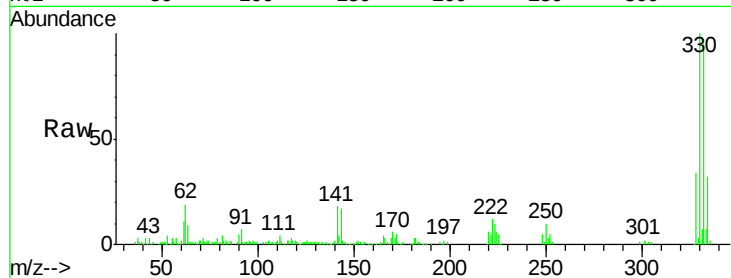




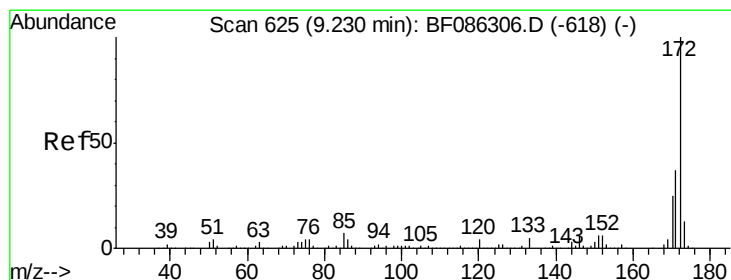
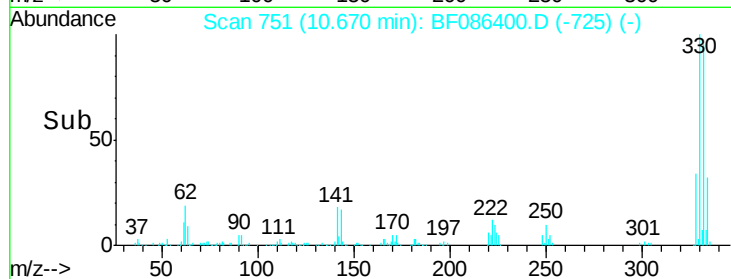
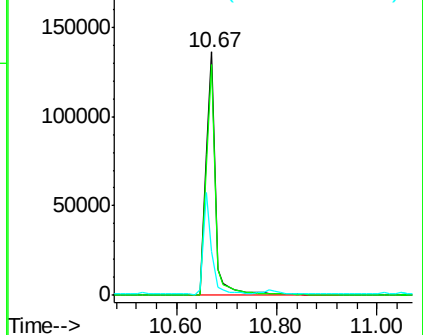
#41
 2,4,6-Tribromophenol
 Concen: 64.04 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: BF086400.D
 Acq: 23 Apr 2016 19:55

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B7(0-6)-C

Tgt Ion:330 Resp: 178934
 Ion Ratio Lower Upper
 330 100
 332 94.0 79.0 118.4
 141 35.6 31.2 46.8

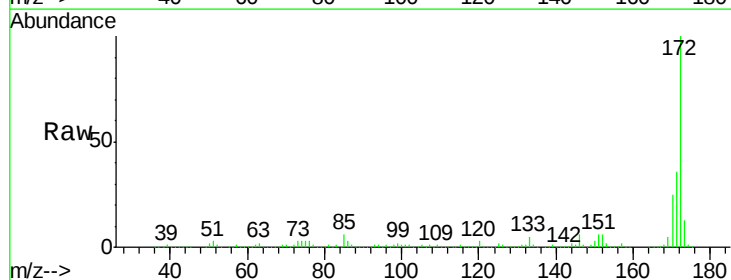


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

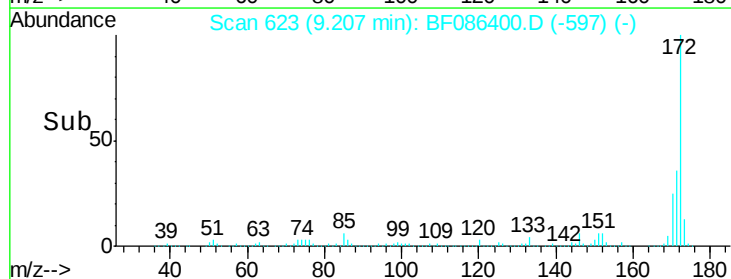
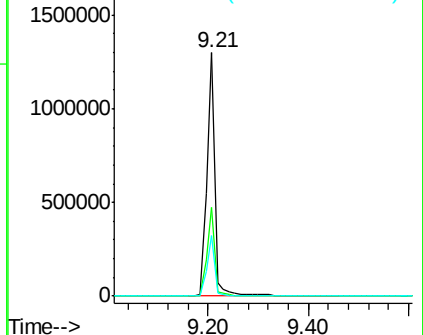


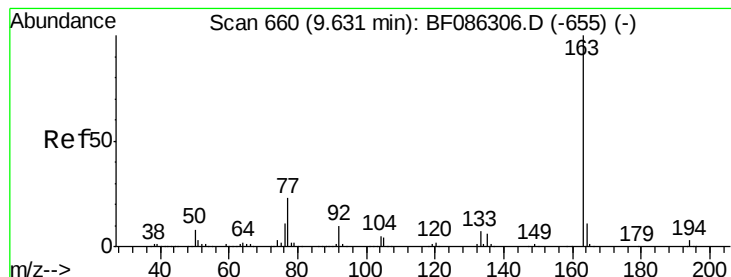
#44
 2-Fluorobiphenyl
 Concen: 79.35 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: BF086400.D
 Acq: 23 Apr 2016 19:55

Tgt Ion:172 Resp: 1435179
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.0 43.6
 170 24.8 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: 9.16 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.01 min

Lab File: BF086400.D

Acq: 23 Apr 2016 19:55

Instrument :

BNA_F

ClientSampleId :

WPG-B7(0-6)-C

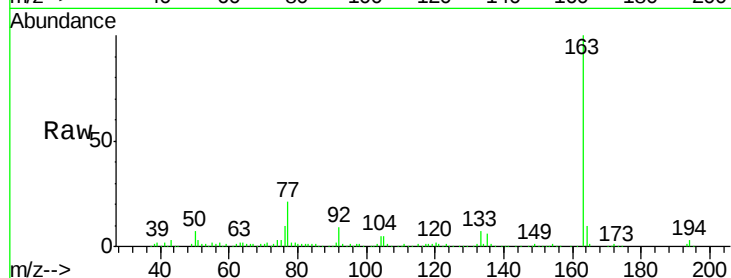
Tgt Ion:163 Resp: 204168

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

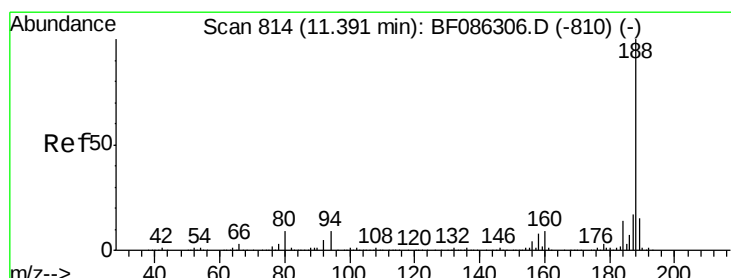
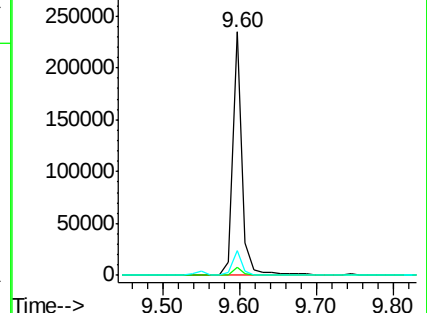
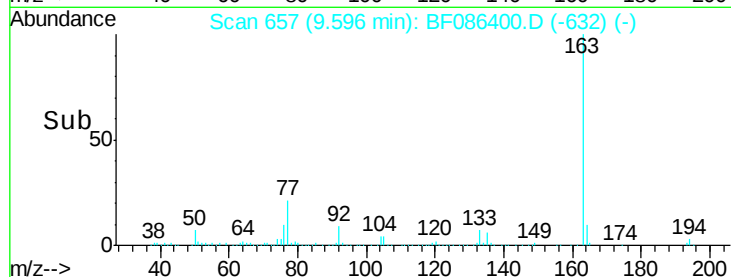
164 10.3 8.2 12.4



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF086400.D

Acq: 23 Apr 2016 19:55

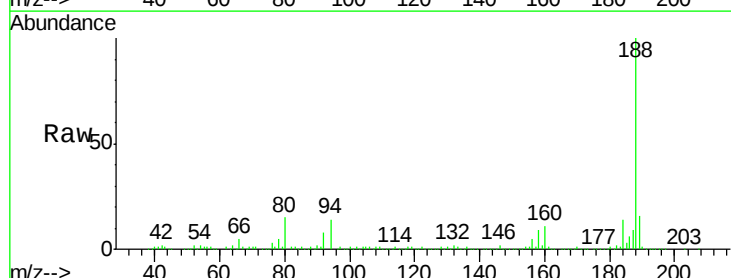
Tgt Ion:188 Resp: 494990

Ion Ratio Lower Upper

188 100

94 13.6 6.8 10.2#

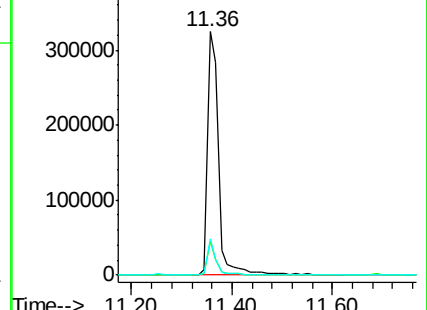
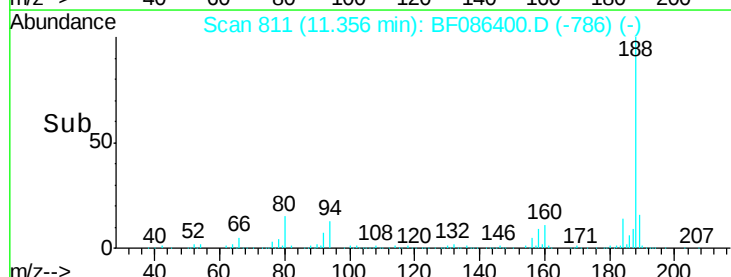
80 14.8 7.1 10.7#

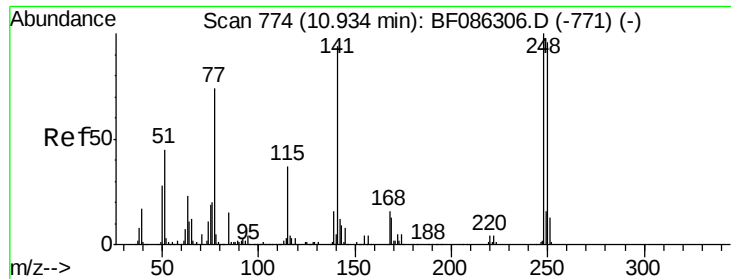


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

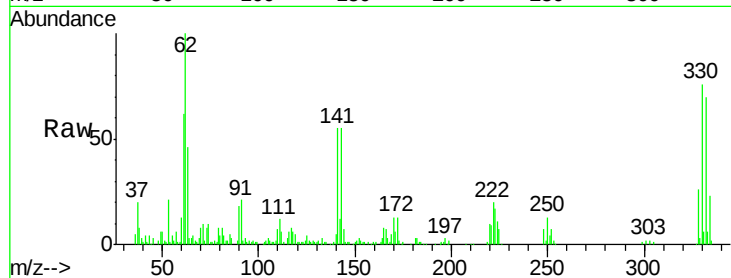




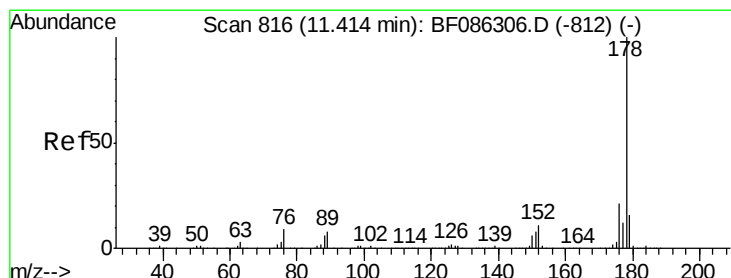
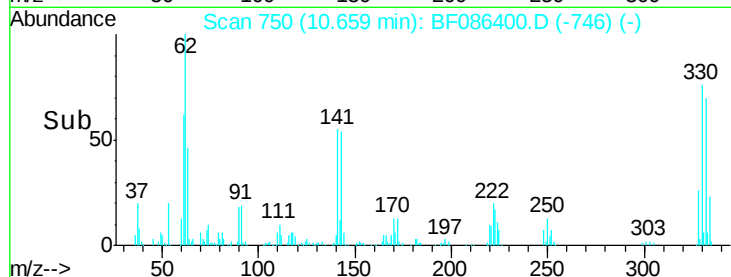
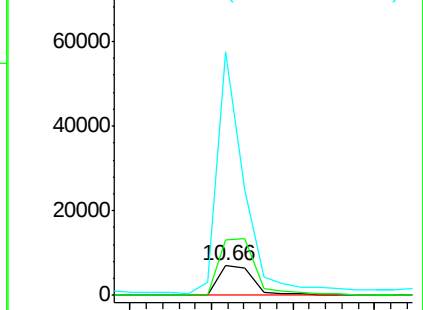
#66
 4-Bromophenyl-phenylether
 Concen: 2.13 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.25 min
 Lab File: BF086400.D
 Acq: 23 Apr 2016 19:55

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B7(0-6)-C

Tgt Ion:248 Resp: 10315
 Ion Ratio Lower Upper
 248 100
 250 187.6 78.6 117.8#
 141 820.7 76.0 114.0#

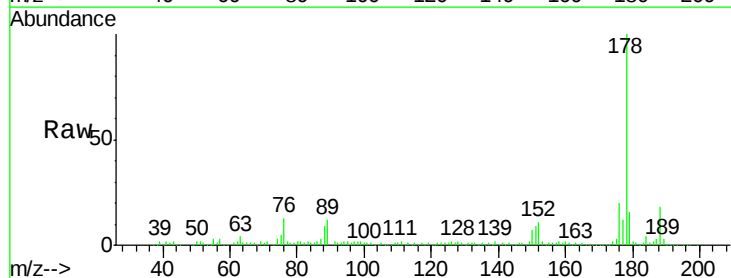


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

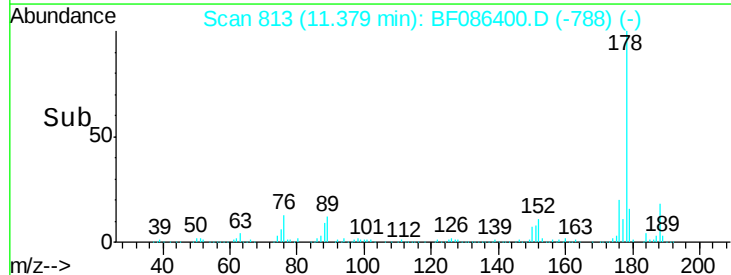
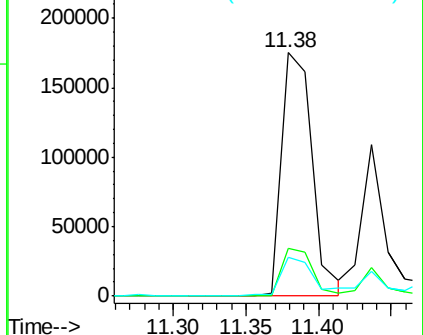


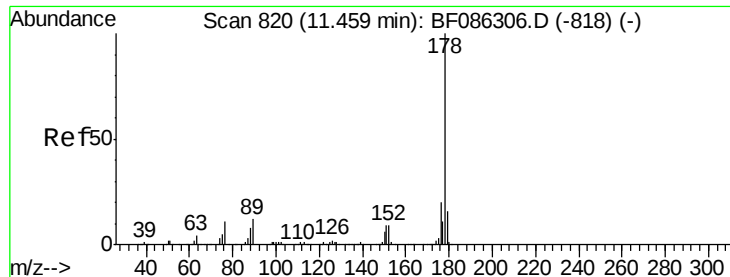
#70
 Phenanthrene
 Concen: 10.23 ng
 RT: 11.38 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BF086400.D
 Acq: 23 Apr 2016 19:55

Tgt Ion:178 Resp: 254460
 Ion Ratio Lower Upper
 178 100
 176 19.9 16.0 24.0
 179 15.9 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

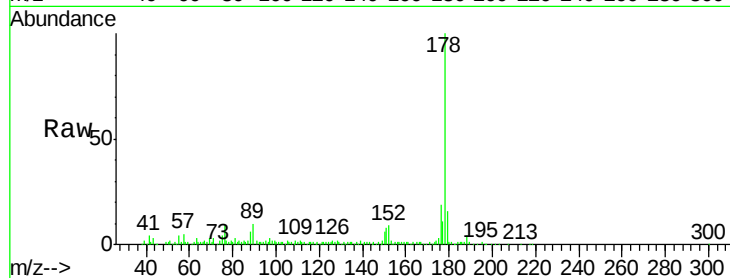




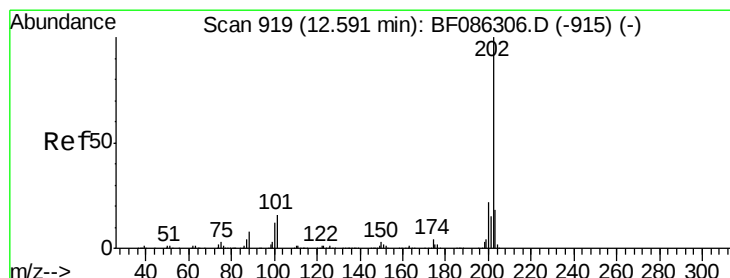
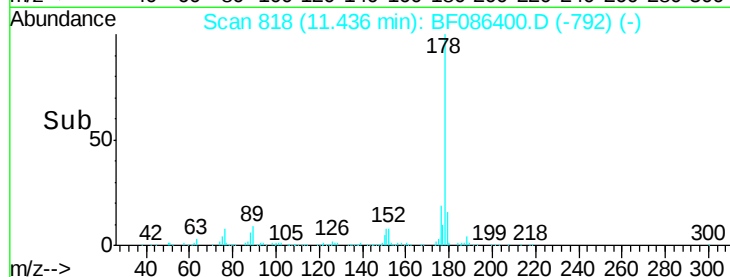
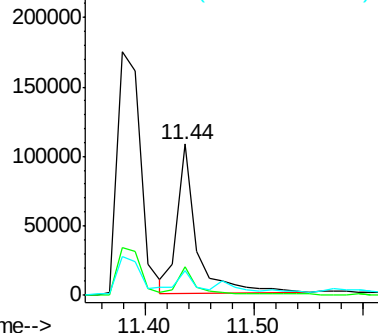
#71
 Anthracene
 Concen: 4.73 ng
 RT: 11.44 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BF086400.D
 Acq: 23 Apr 2016 19:55

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B7(0-6)-C

Tgt Ion:178 Resp: 134877
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.6 23.4
 179 16.2 12.7 19.1

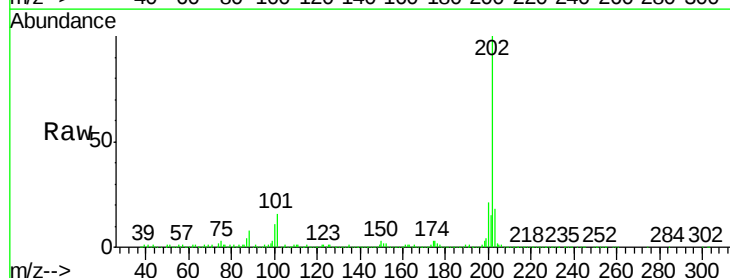


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

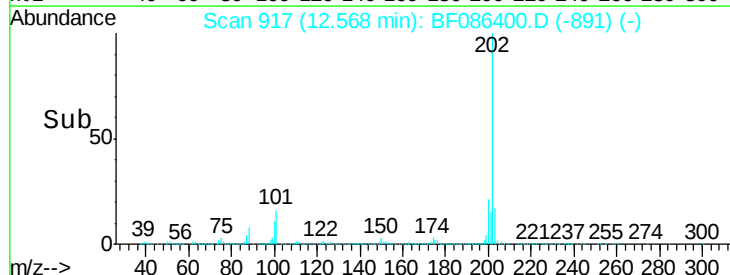
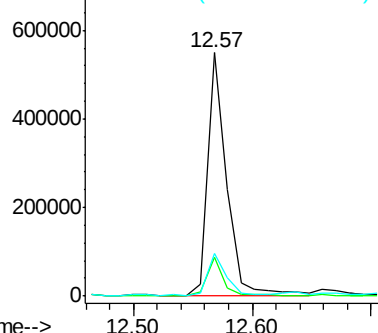


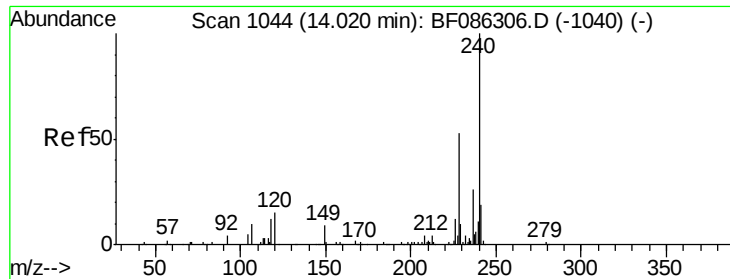
#74
 Fluoranthene
 Concen: 22.58 ng
 RT: 12.57 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: BF086400.D
 Acq: 23 Apr 2016 19:55

Tgt Ion:202 Resp: 605724
 Ion Ratio Lower Upper
 202 100
 101 15.8 0.0 35.4
 203 17.6 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: BF086400.D

Acq: 23 Apr 2016 19:55

Instrument :

BNA_F

ClientSampleId :

WPG-B7(0-6)-C

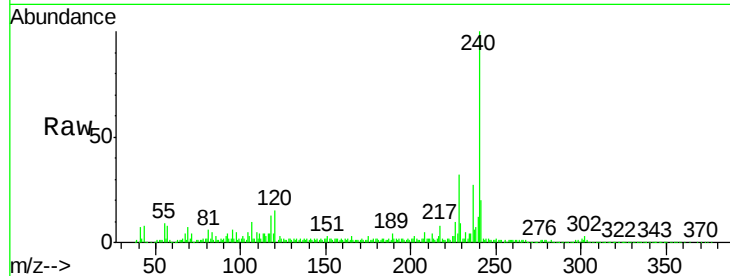
Tgt Ion:240 Resp: 340480

Ion Ratio Lower Upper

240 100

120 15.2 11.2 16.8

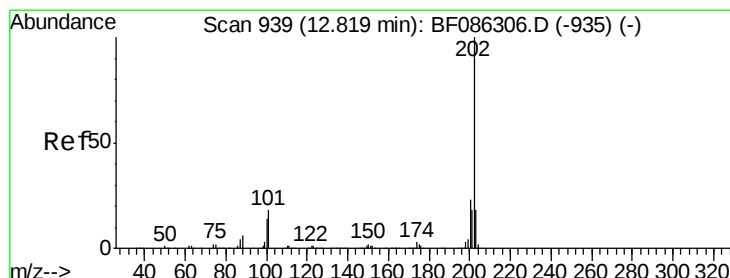
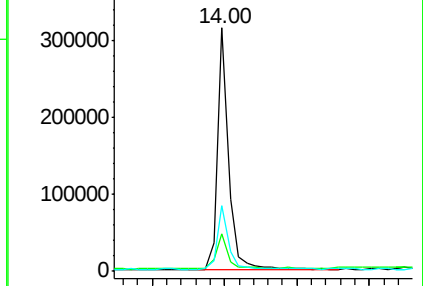
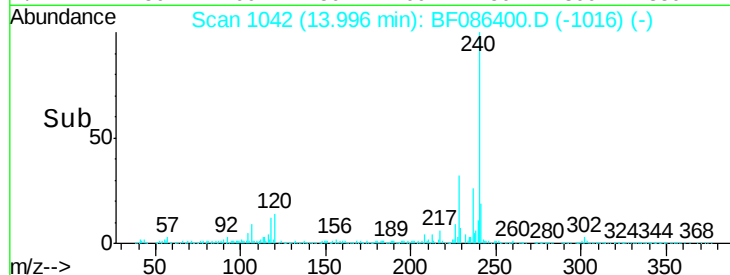
236 27.0 21.2 31.8



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: 24.14 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.00 min

Lab File: BF086400.D

Acq: 23 Apr 2016 19:55

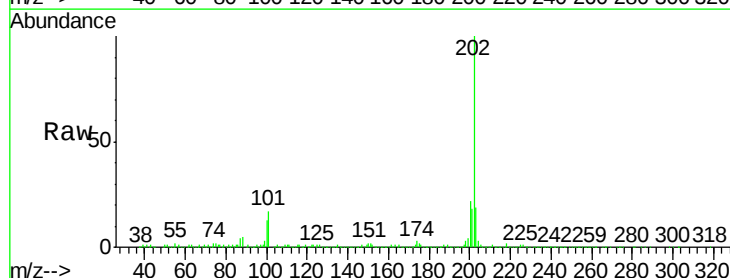
Tgt Ion:202 Resp: 573336

Ion Ratio Lower Upper

202 100

200 22.0 17.7 26.5

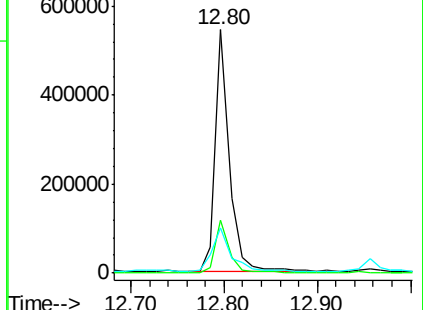
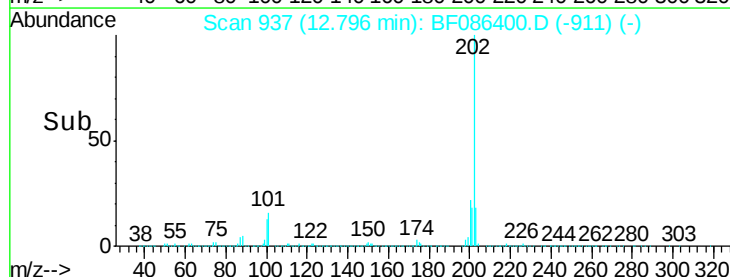
203 18.7 14.2 21.4

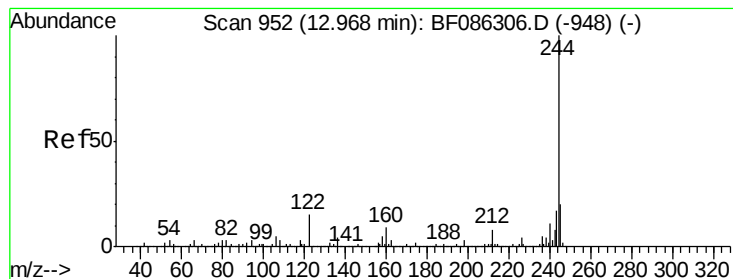


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 69.53 ng

RT: 12.94 min Scan# 950

Delta R.T. -0.00 min

Lab File: BF086400.D

Acq: 23 Apr 2016 19:55

Instrument :

BNA_F

ClientSampleId :

WPG-B7(0-6)-C

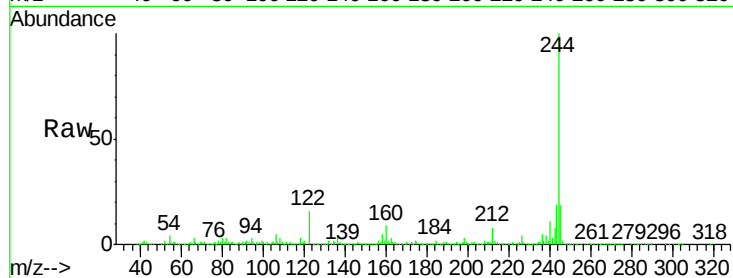
Tgt Ion:244 Resp: 952750

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

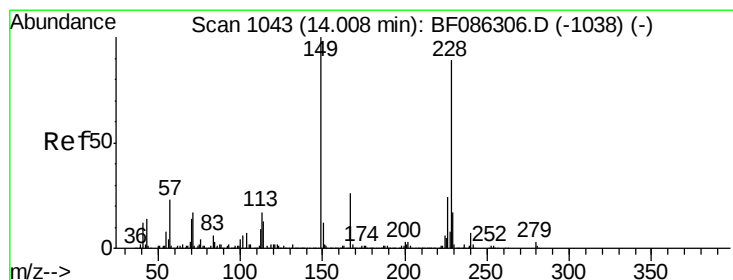
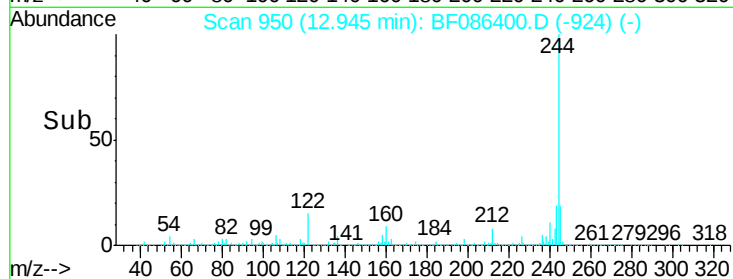
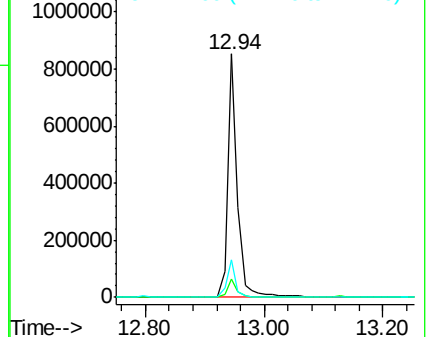
122 15.6 12.0 18.0



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: 16.93 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF086400.D

Acq: 23 Apr 2016 19:55

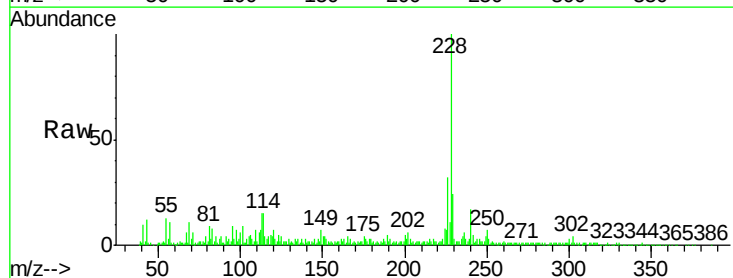
Tgt Ion:228 Resp: 299283

Ion Ratio Lower Upper

228 100

226 32.1 22.5 33.7

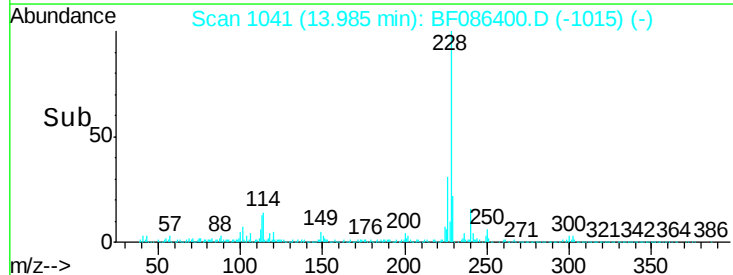
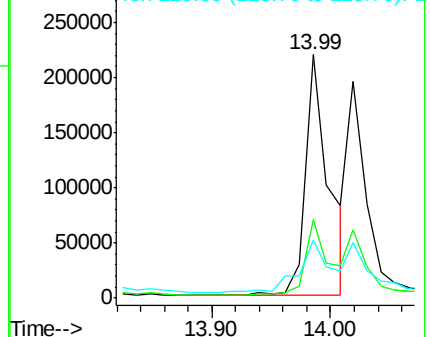
229 24.0 16.6 25.0

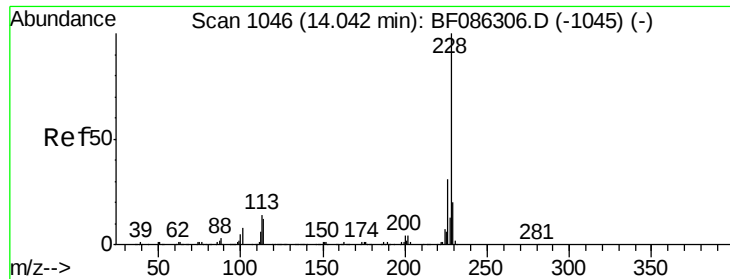


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

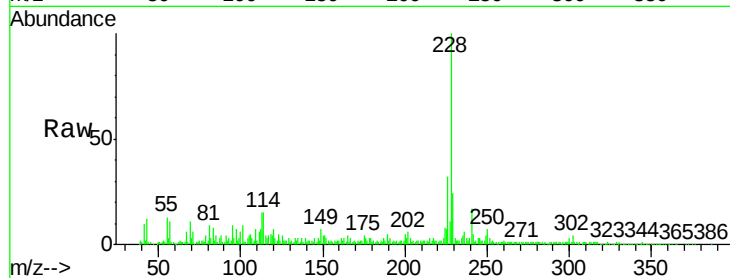




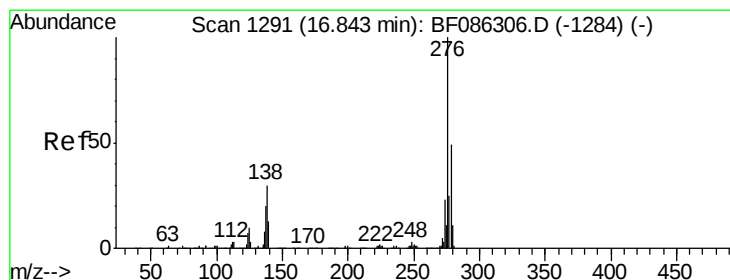
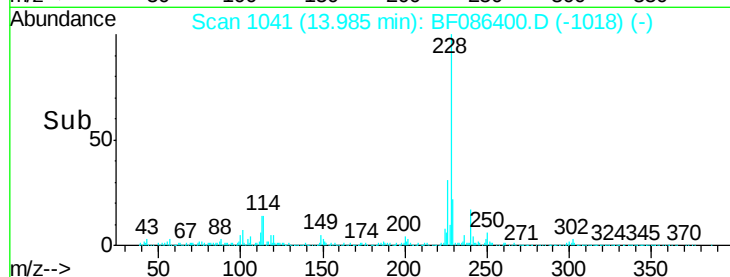
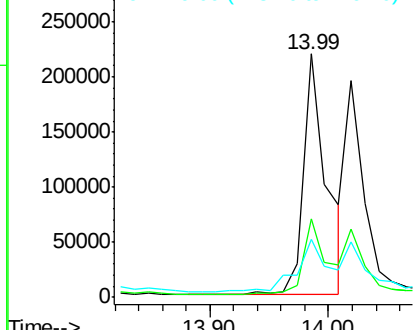
#82
Chrysene
Concen: 15.03 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.03 min
Lab File: BF086400.D
Acq: 23 Apr 2016 19:55

Instrument :
BNA_F
ClientSampleId :
WPG-B7(0-6)-C

Tgt Ion: 228 Resp: 299283
Ion Ratio Lower Upper
228 100
226 32.1 24.4 36.6
229 24.0 15.8 23.8#

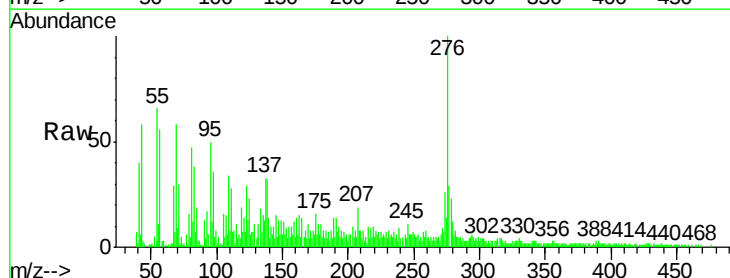


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

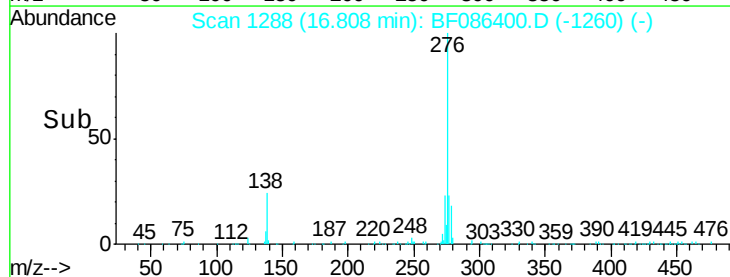
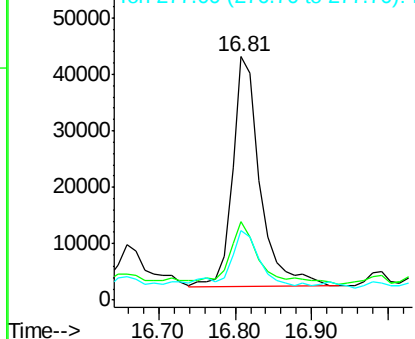


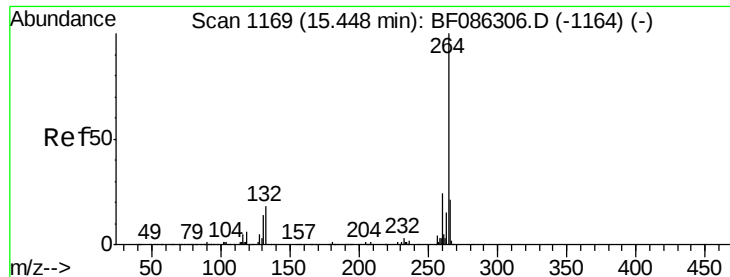
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.80 ng
RT: 16.81 min Scan# 1288
Delta R.T. 0.02 min
Lab File: BF086400.D
Acq: 23 Apr 2016 19:55

Tgt Ion: 276 Resp: 102691
Ion Ratio Lower Upper
276 100
138 29.3 25.6 38.4
277 26.8 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

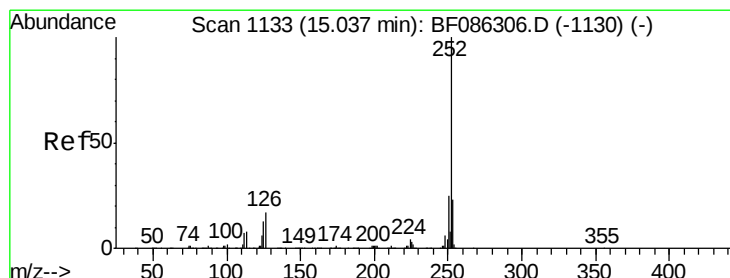
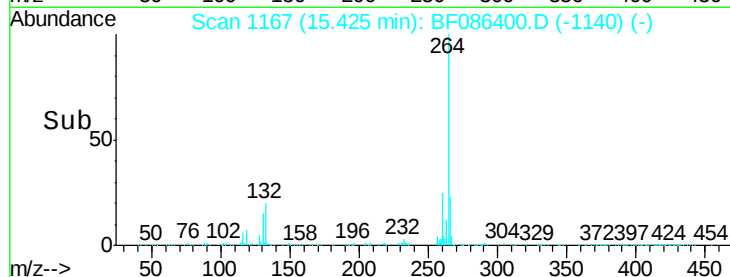
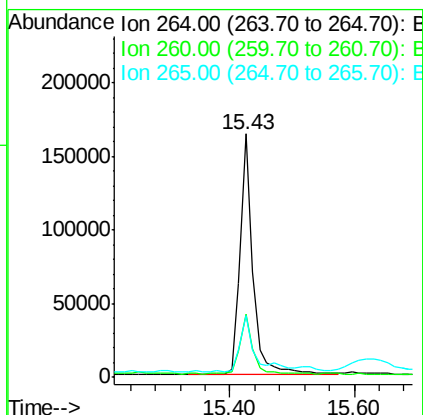
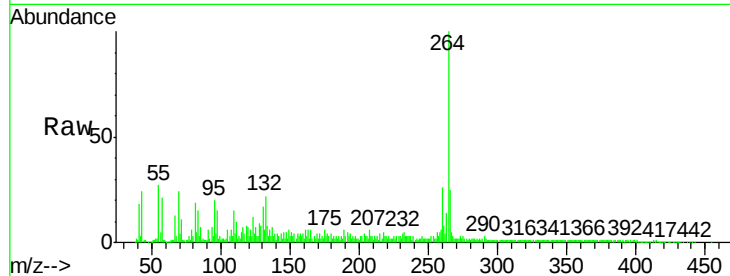




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1167
Delta R.T. 0.01 min
Lab File: BF086400.D
Acq: 23 Apr 2016 19:55

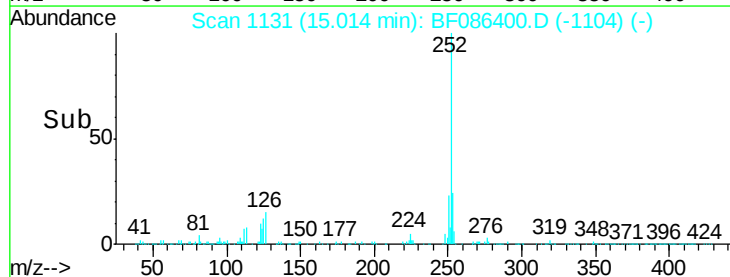
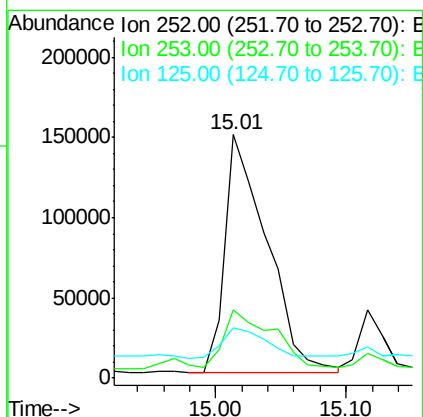
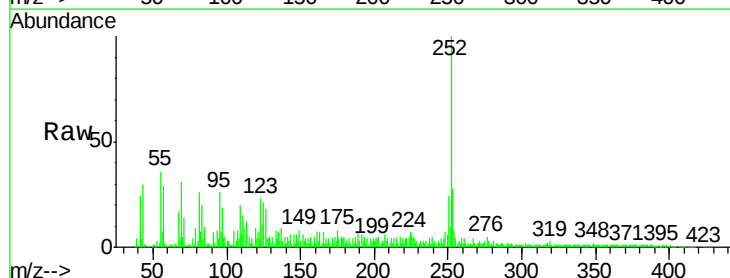
Instrument :
BNA_F
ClientSampleId :
WPG-B7(0-6)-C

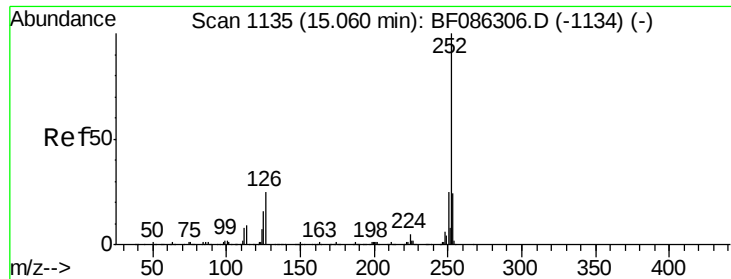
Tgt Ion:264 Resp: 241692
Ion Ratio Lower Upper
264 100
260 25.9 19.5 29.3
265 25.2 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 25.10 ng
RT: 15.01 min Scan# 1131
Delta R.T. 0.01 min
Lab File: BF086400.D
Acq: 23 Apr 2016 19:55

Tgt Ion:252 Resp: 333013
Ion Ratio Lower Upper
252 100
253 28.1 17.8 26.6#
125 20.7 11.4 17.0#

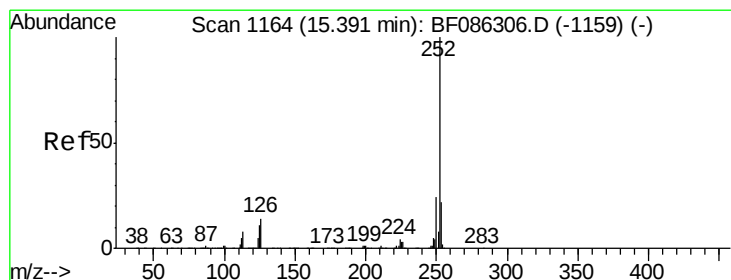
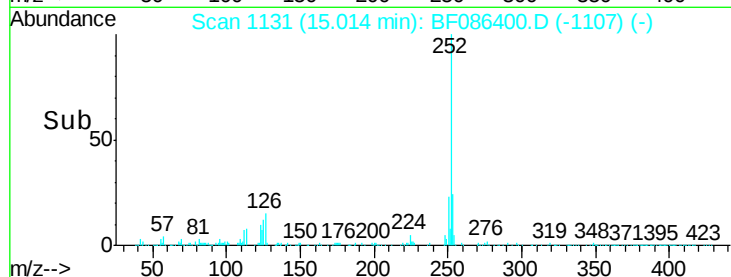
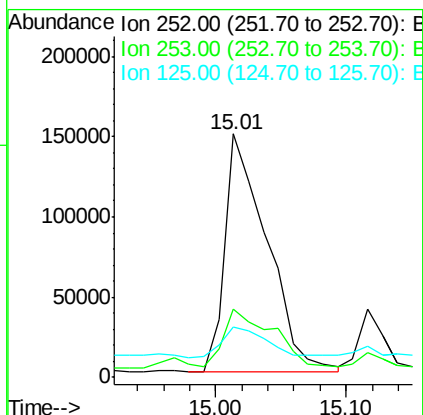
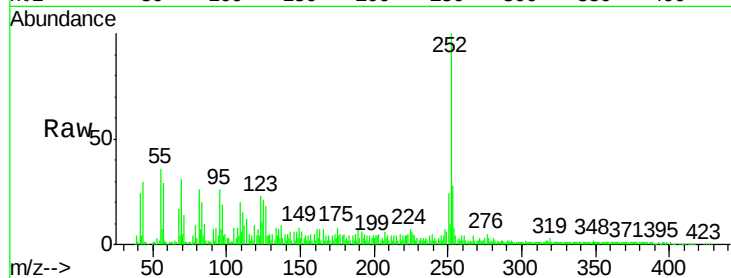




#88
Benzo(k)fluoranthene
Concen: 25.58 ng
RT: 15.01 min Scan# 1131
Delta R.T. -0.02 min
Lab File: BF086400.D
Acq: 23 Apr 2016 19:55

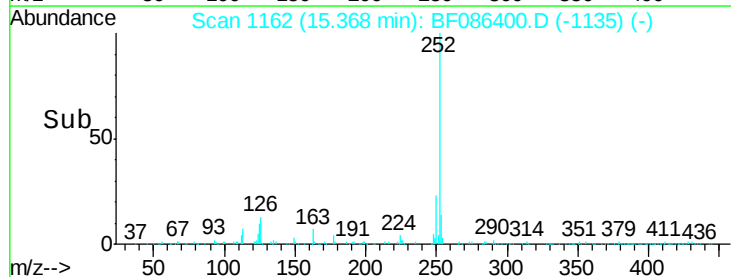
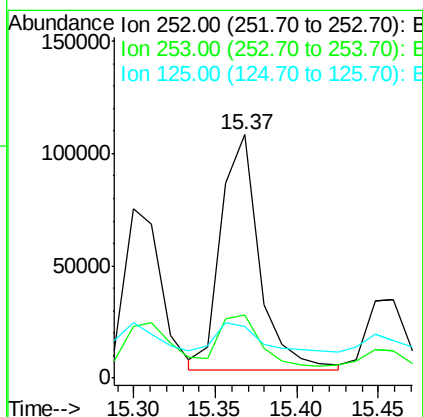
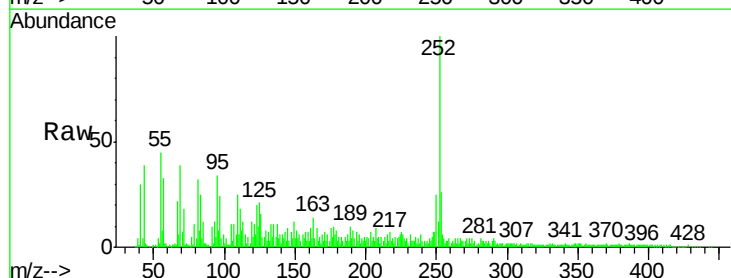
Instrument :
BNA_F
ClientSampleId :
WPG-B7(0-6)-C

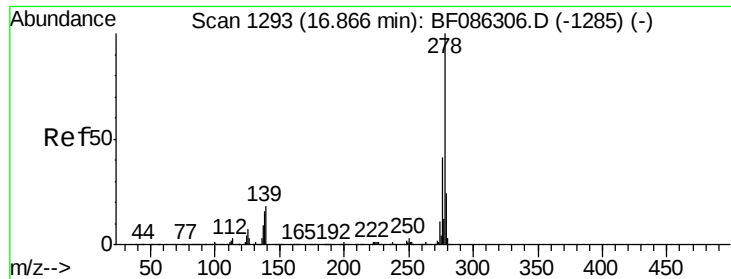
Tgt Ion: 252 Resp: 333013
Ion Ratio Lower Upper
252 100
253 28.1 17.8 26.6#
125 20.7 9.1 13.7#



#89
Benzo(a)pyrene
Concen: 13.09 ng
RT: 15.37 min Scan# 1162
Delta R.T. 0.01 min
Lab File: BF086400.D
Acq: 23 Apr 2016 19:55

Tgt Ion: 252 Resp: 171317
Ion Ratio Lower Upper
252 100
253 25.9 17.2 25.8#
125 21.1 9.0 13.6#





#90

Dibenzo(a,h)anthracene

Concen: 2.22 ng

RT: 16.82 min Scan# 1289

Delta R.T. 0.01 min

Lab File: BF086400.D

Acq: 23 Apr 2016 19:55

Instrument :

BNA_F

ClientSampleId :

WPG-B7(0-6)-C

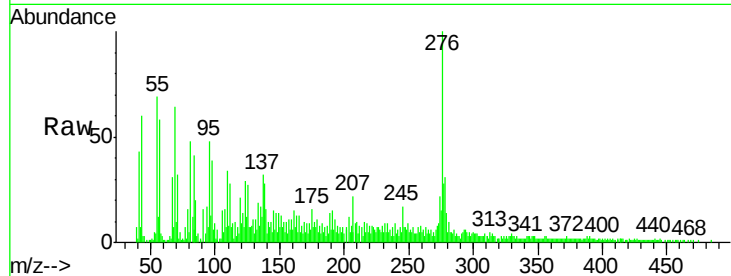
Tgt Ion:278 Resp: 24008

Ion Ratio Lower Upper

278 100

139 51.3 16.6 24.8#

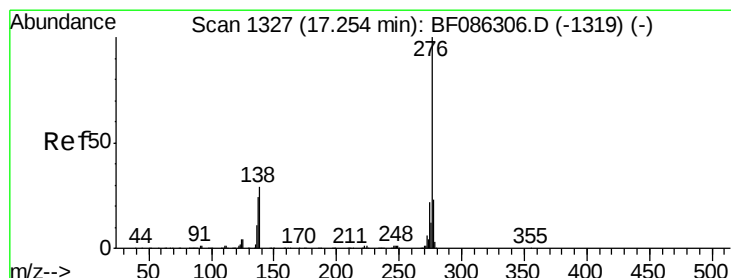
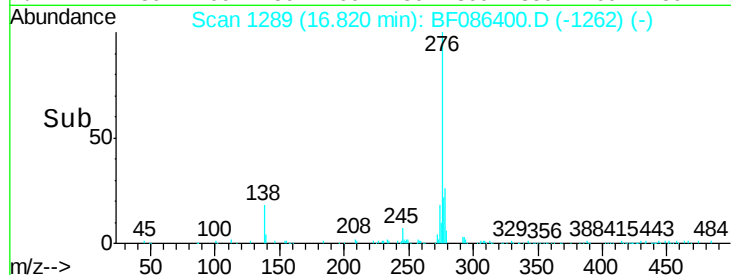
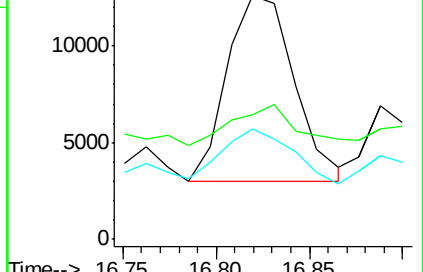
279 45.4 19.6 29.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 9.06 ng

RT: 17.23 min Scan# 1325

Delta R.T. 0.03 min

Lab File: BF086400.D

Acq: 23 Apr 2016 19:55

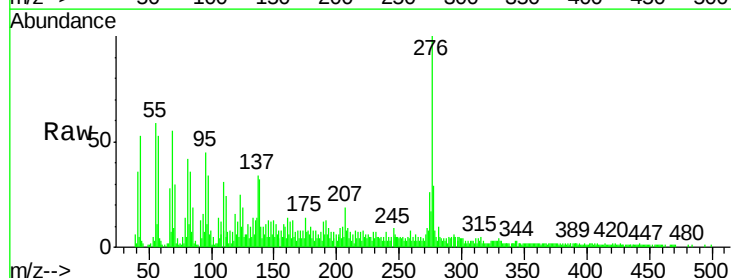
Tgt Ion:276 Resp: 100946

Ion Ratio Lower Upper

276 100

277 29.2 19.6 29.4

138 32.0 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

