

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042216\
 Data File : BF086388.D
 Acq On : 23 Apr 2016 14:06
 Operator : UM/SJ
 Sample : H2640-15
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B9(0-5)-C

Quant Time: Apr 25 00:51:34 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	200001	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	805425	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	344383	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	580251	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	392317	20.00	ng	-0.01
86) Perylene-d12	15.41	264	338490	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	1077901	93.07	ng	0.01
7) Phenol-d6	6.48	99	1585684	100.71	ng	0.00
23) Nitrobenzene-d5	7.40	82	915715	67.35	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	263557	84.54	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	1569236	77.76	ng	-0.01
78) Terphenyl-d14	12.94	244	1065394	67.47	ng	0.00

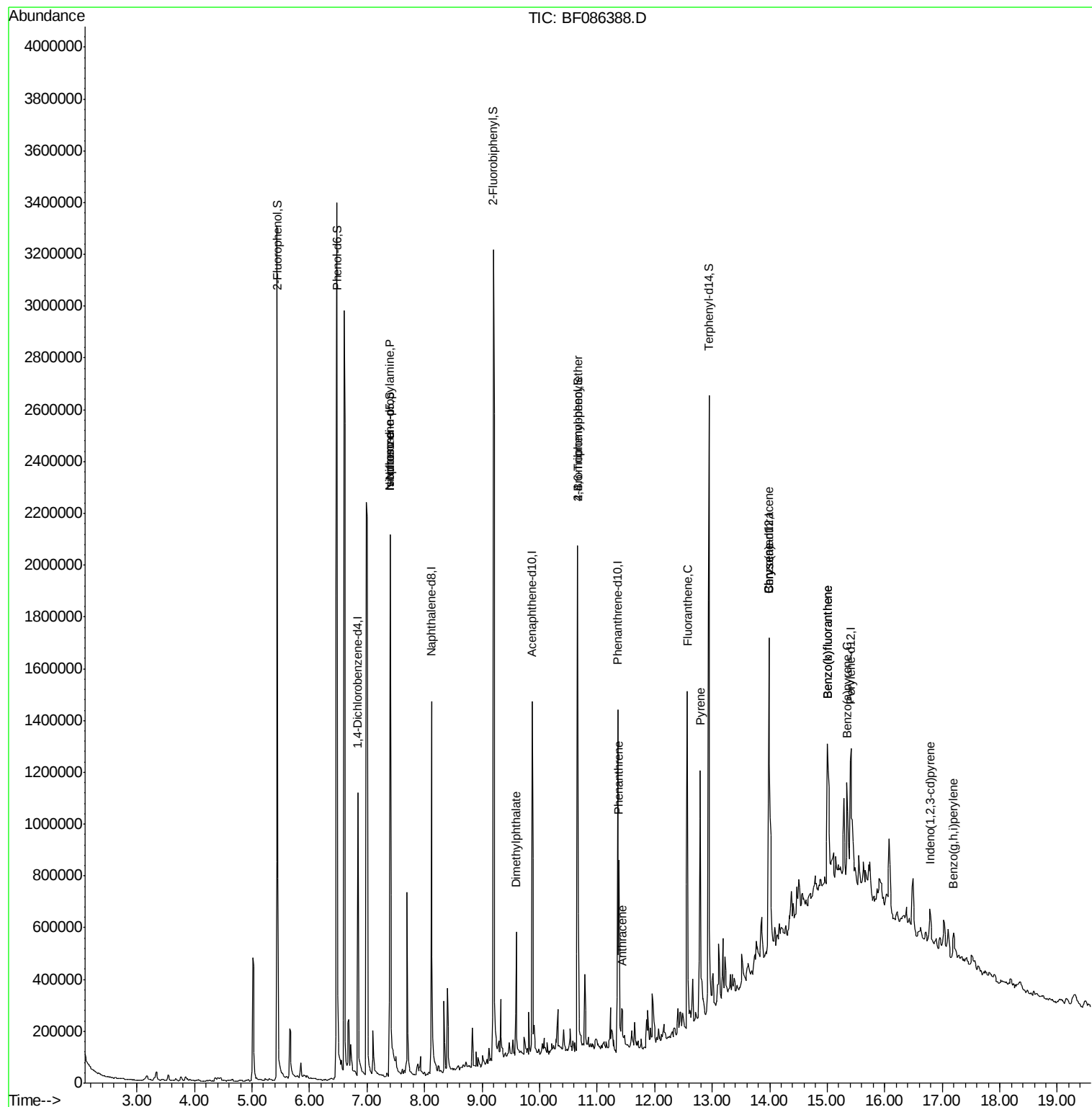
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	119266	12.68	ng	# 83
25) Isophorone	7.40	82	906528	34.02	ng	# 68
49) Dimethylphthalate	9.60	163	219193	8.81	ng	99
66) 4-Bromophenyl-phenylether	10.66	248	16791	2.96	ng	# 1
70) Phenanthrene	11.38	178	282651	9.69	ng	97
71) Anthracene	11.44	178	136988	4.10	ng	98
74) Fluoranthene	12.57	202	665933	21.18	ng	94
77) Pyrene	12.80	202	578456	21.14	ng	99
80) Benzo(a)anthracene	13.99	228	342545	16.82	ng	97
82) Chrysene	13.99	228	342545	14.93	ng	97
85) Indeno(1,2,3-cd)pyrene	16.79	276	122496	6.01	ng	96
87) Benzo(b)fluoranthene	15.00	252	467237	25.15	ng	94
88) Benzo(k)fluoranthene	15.00	252	467237	25.62	ng	# 91
89) Benzo(a)pyrene	15.35	252	245027	13.37	ng	# 92
91) Benzo(g,h,i)perylene	17.20	276	108806	6.97	ng	96

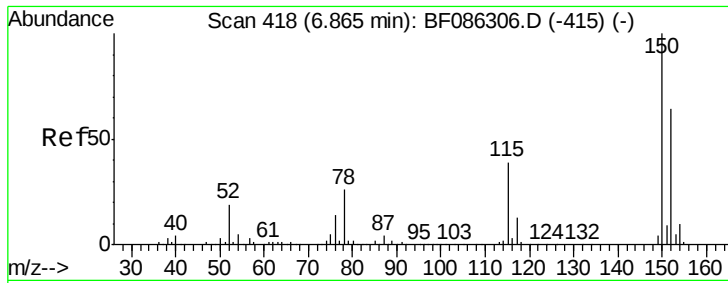
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF086388.D

Acq: 23 Apr 2016 14:06

Instrument :

BNA_F

ClientSampleId :

WPG-B9(0-5)-C

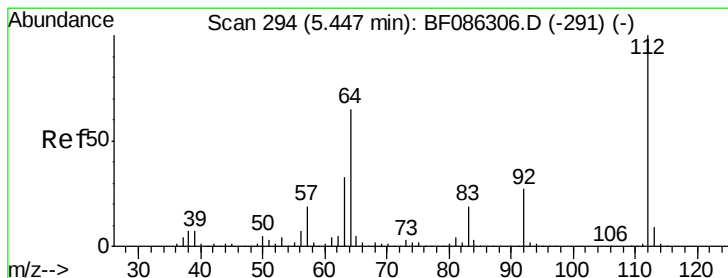
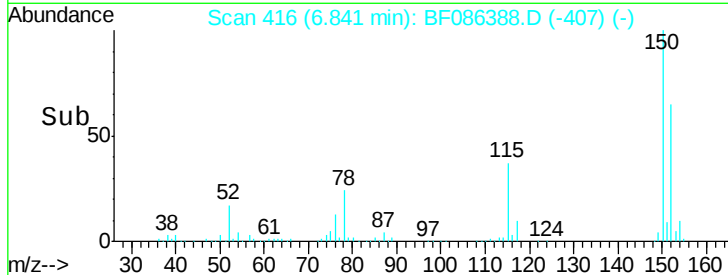
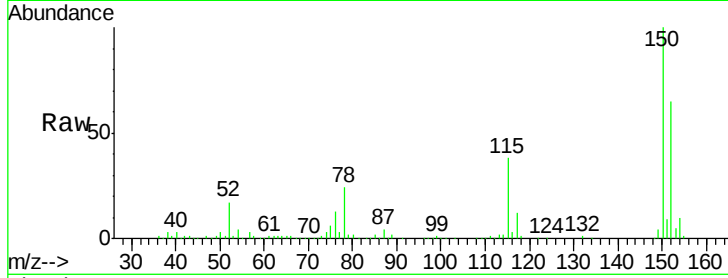
Tgt Ion:152 Resp: 200001

Ion Ratio Lower Upper

152 100

150 152.8 125.8 188.6

115 58.2 51.5 77.3



#5

2-Fluorophenol

Concen: 93.07 ng

RT: 5.44 min Scan# 293

Delta R.T. 0.01 min

Lab File: BF086388.D

Acq: 23 Apr 2016 14:06

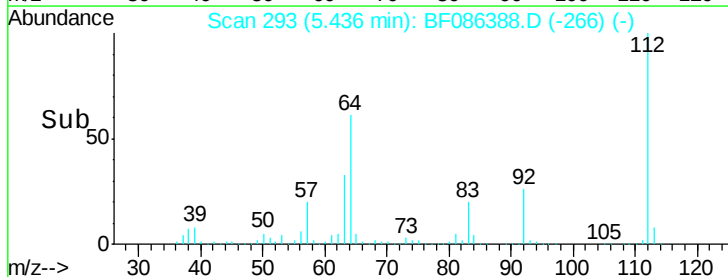
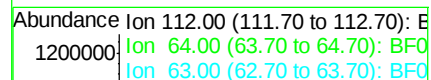
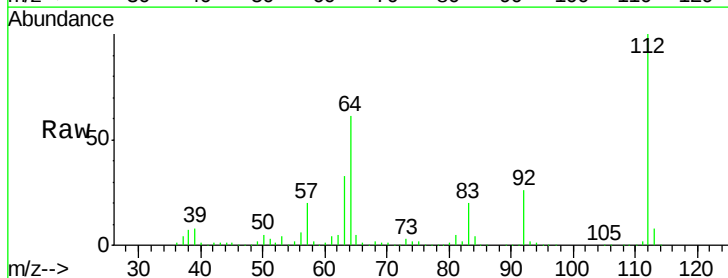
Tgt Ion:112 Resp: 1077901

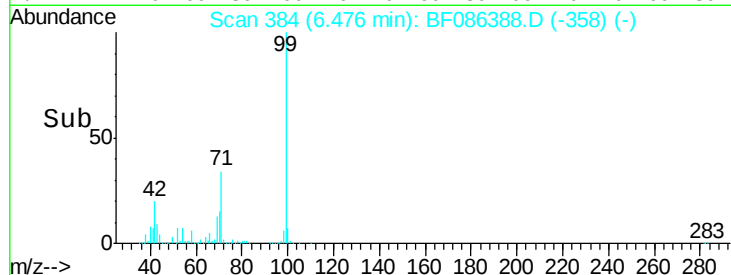
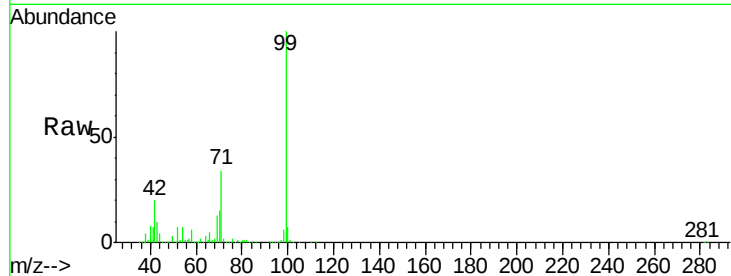
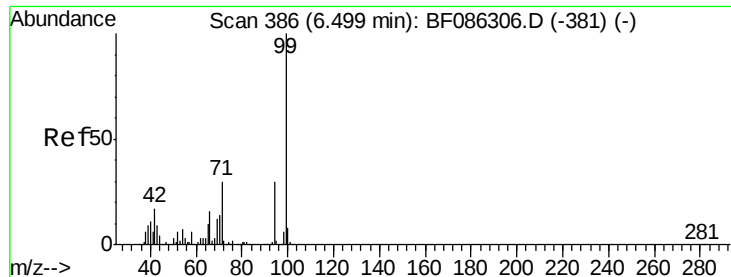
Ion Ratio Lower Upper

112 100

64 61.3 52.1 78.1

63 32.6 25.7 38.5





#7

Phenol-d6

Concen: 100.71 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF086388.D

Acq: 23 Apr 2016 14:06

Instrument :

BNA_F

ClientSampleId :

WPG-B9(0-5)-C

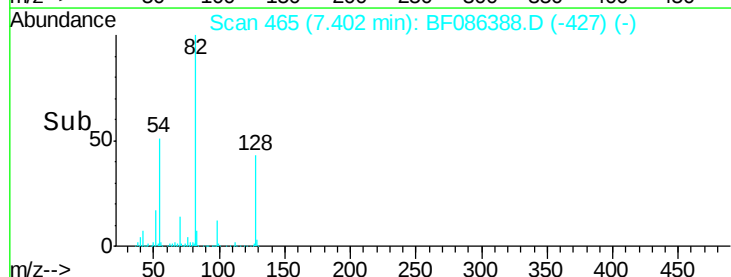
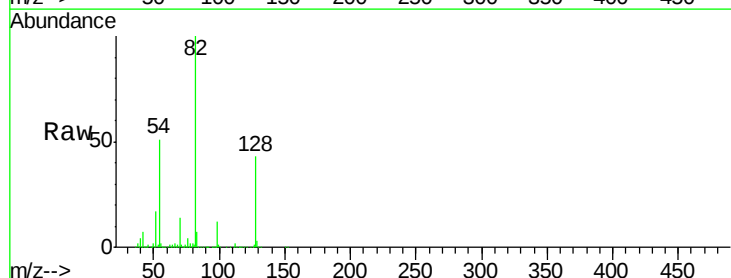
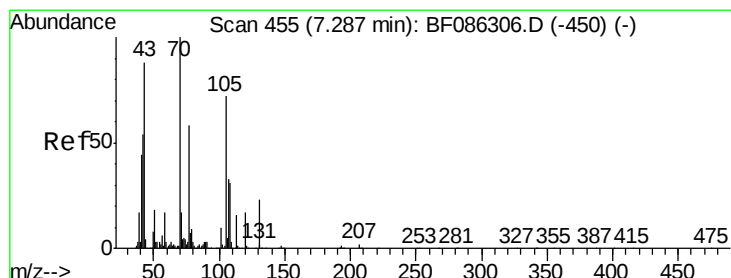
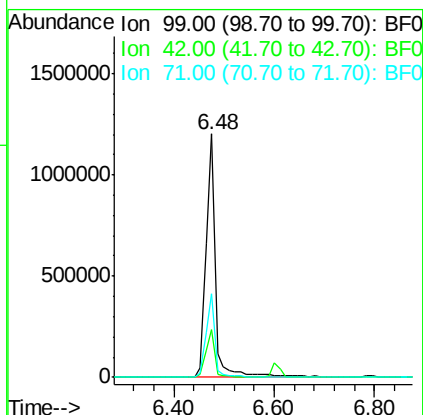
Tgt Ion: 99 Resp: 1585684

Ion Ratio Lower Upper

99 100

42 19.7 13.6 20.4

71 34.2 24.6 36.8



#19

n-Nitroso-di-n-propylamine

Concen: 12.68 ng

RT: 7.40 min Scan# 465

Delta R.T. 0.14 min

Lab File: BF086388.D

Acq: 23 Apr 2016 14:06

Tgt Ion: 70 Resp: 119266

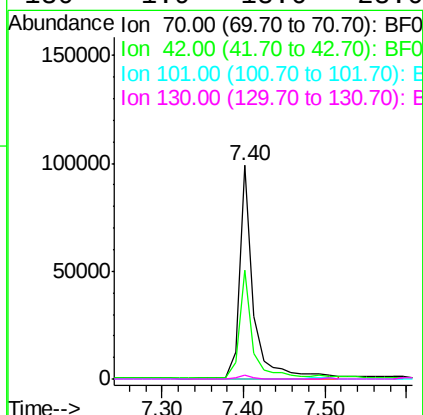
Ion Ratio Lower Upper

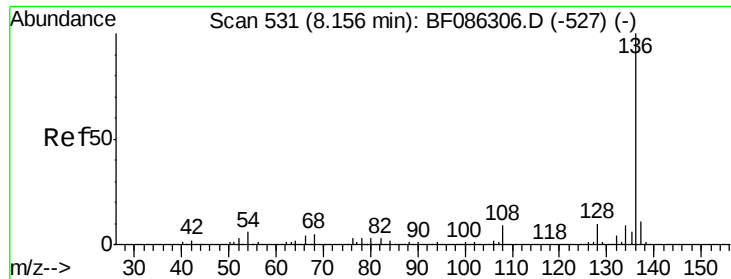
70 100

42 50.8 43.1 64.7

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#

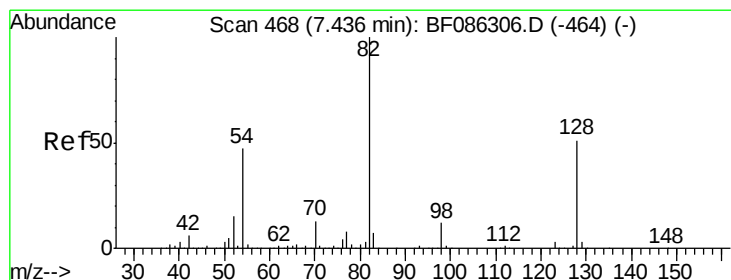
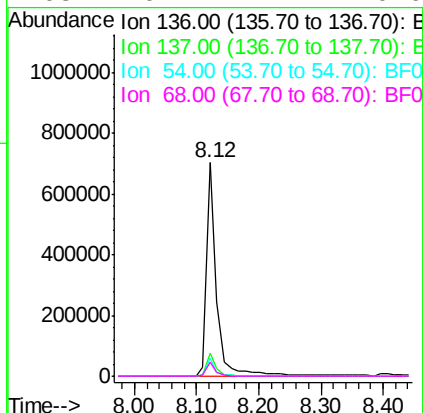
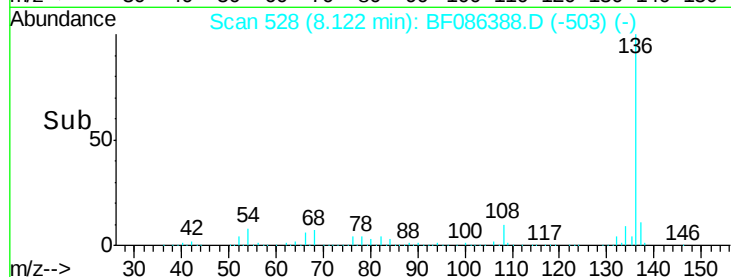
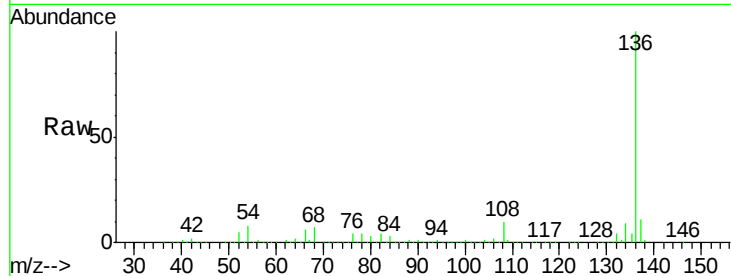




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF086388.D
Acq: 23 Apr 2016 14:06

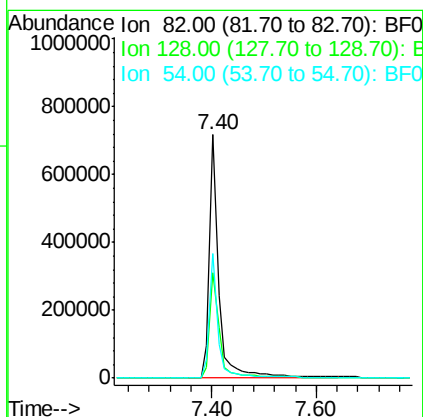
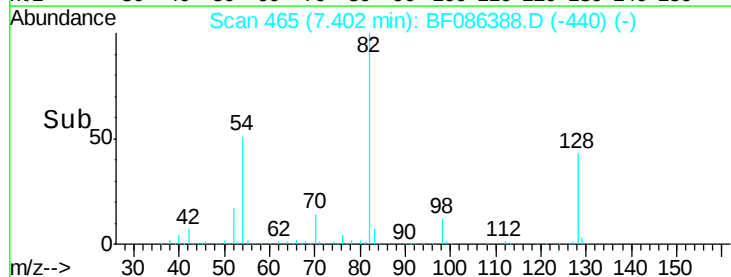
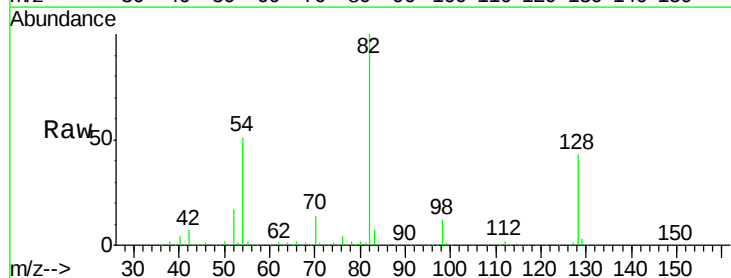
Instrument :
BNA_F
ClientSampleId :
WPG-B9(0-5)-C

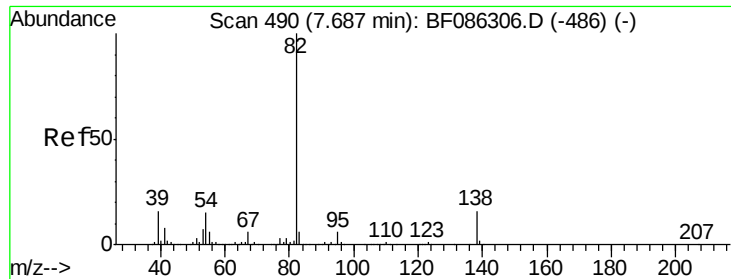
Tgt Ion:	136	Resp:	805425
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.2	5.0	7.4#
68	6.7	4.4	6.6#



#23
Nitrobenzene-d5
Concen: 67.35 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.01 min
Lab File: BF086388.D
Acq: 23 Apr 2016 14:06

Tgt Ion:	82	Resp:	915715
Ion	Ratio	Lower	Upper
82	100		
128	43.3	40.6	61.0
54	51.2	38.1	57.1





#25

Isophorone

Concen: 34.02 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.26 min

Lab File: BF086388.D

Acq: 23 Apr 2016 14:06

Instrument :

BNA_F

ClientSampleId :

WPG-B9(0-5)-C

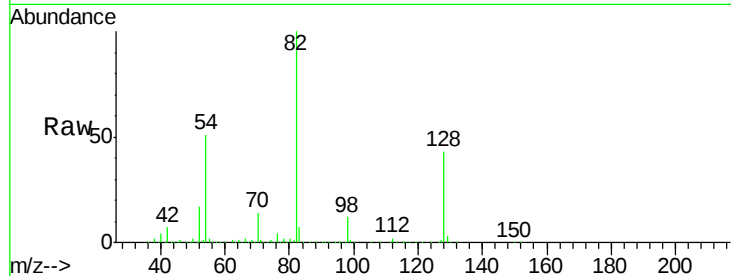
Tgt Ion: 82 Resp: 906528

Ion Ratio Lower Upper

82 100

95 0.1 5.1 7.7#

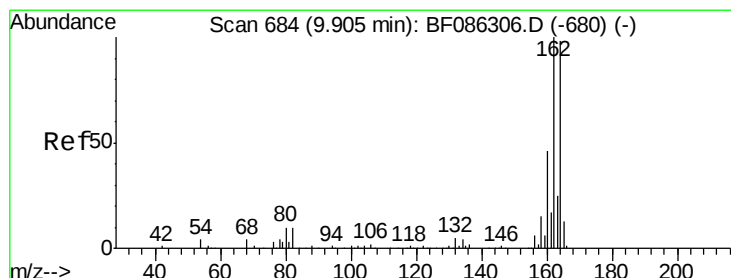
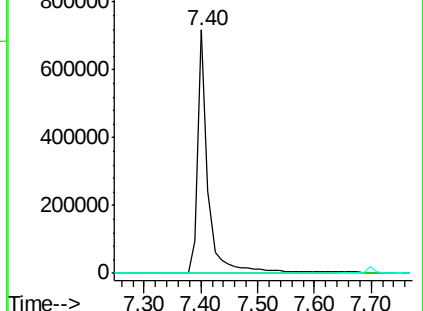
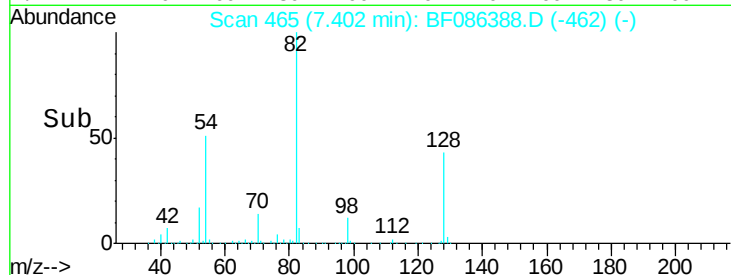
138 0.0 12.4 18.6#



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: BF086388.D

Acq: 23 Apr 2016 14:06

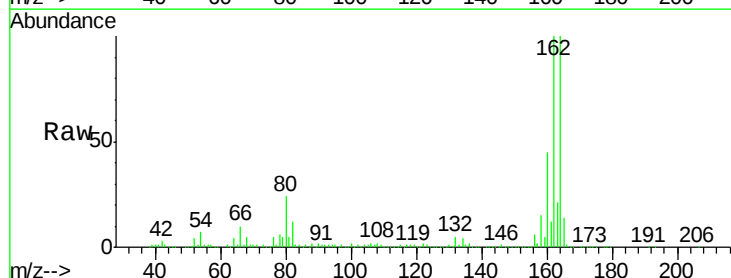
Tgt Ion: 164 Resp: 344383

Ion Ratio Lower Upper

164 100

162 100.3 82.8 124.2

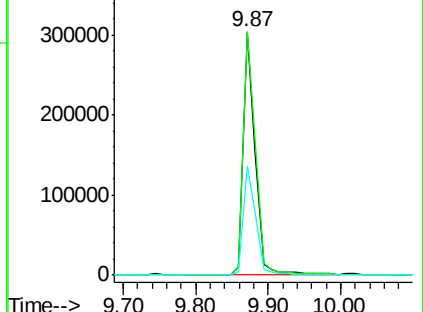
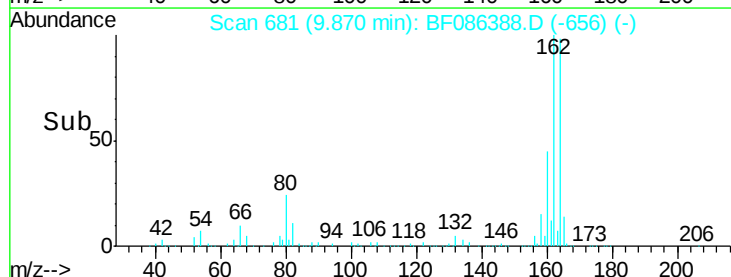
160 44.8 36.9 55.3

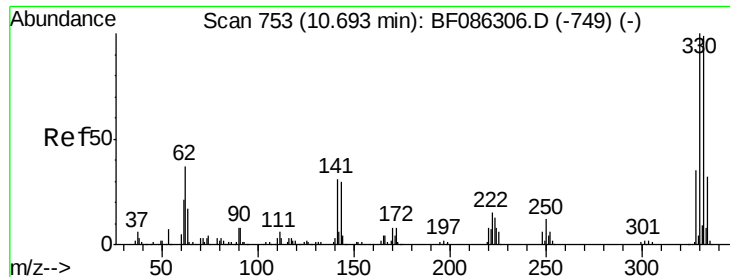


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

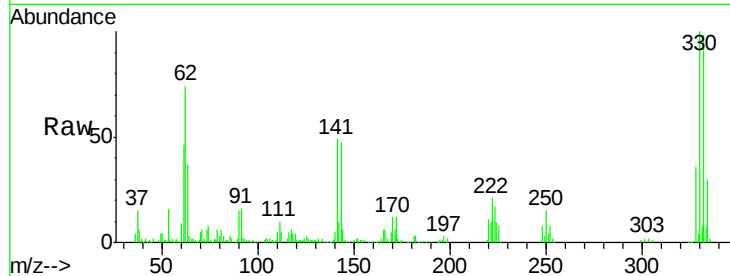




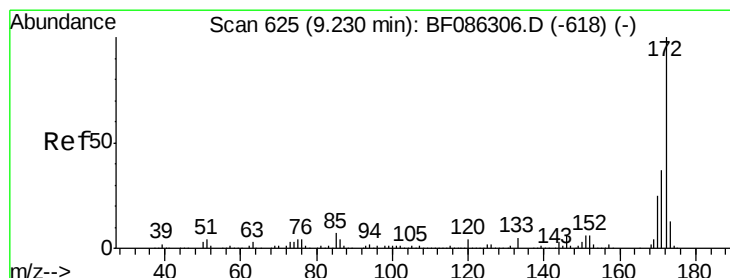
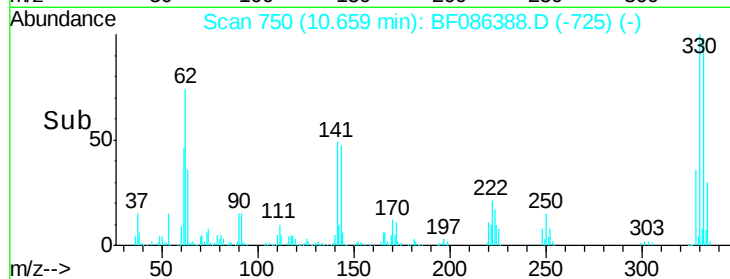
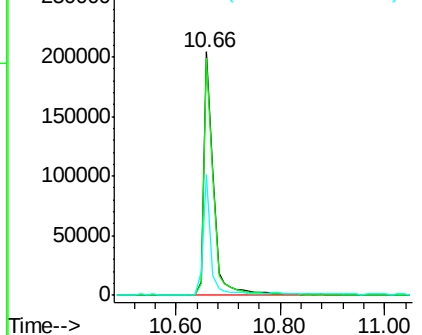
#41
 2,4,6-Tribromophenol
 Concen: 84.54 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: BF086388.D
 Acq: 23 Apr 2016 14:06

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B9(0-5)-C

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	79.0	118.4
141	39.6	31.2	46.8

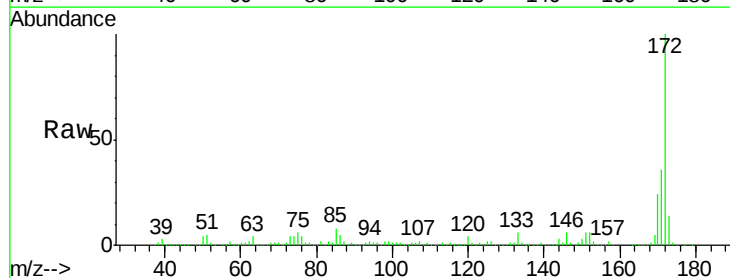


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

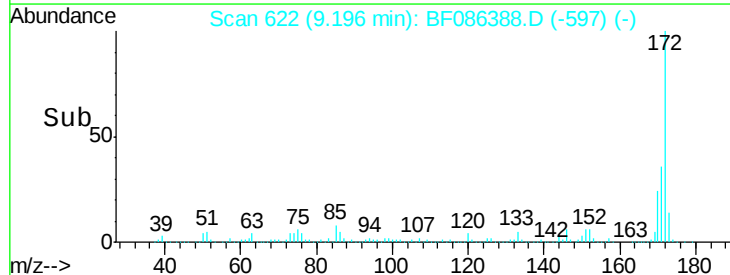
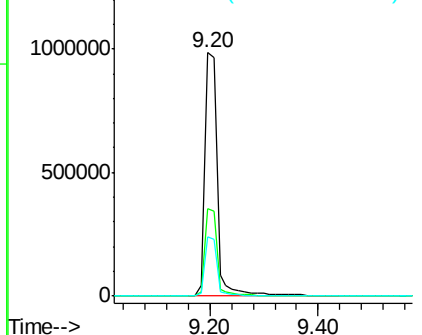


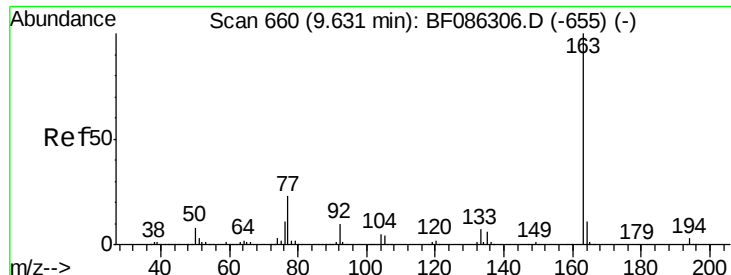
#44
 2-Fluorobiphenyl
 Concen: 77.76 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.01 min
 Lab File: BF086388.D
 Acq: 23 Apr 2016 14:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.6
170	24.1	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: 8.81 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.01 min

Lab File: BF086388.D

Acq: 23 Apr 2016 14:06

Instrument :

BNA_F

ClientSampleId :

WPG-B9(0-5)-C

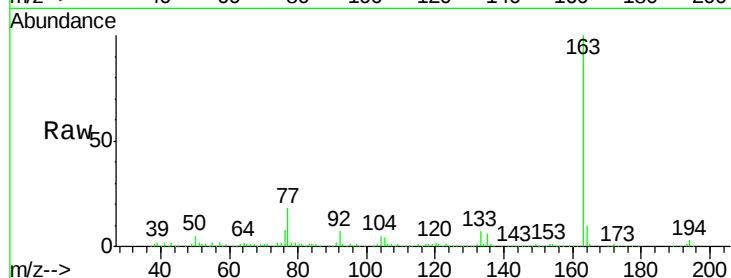
Tgt Ion:163 Resp: 219193

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

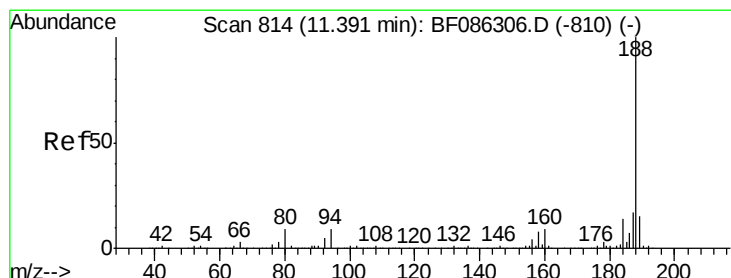
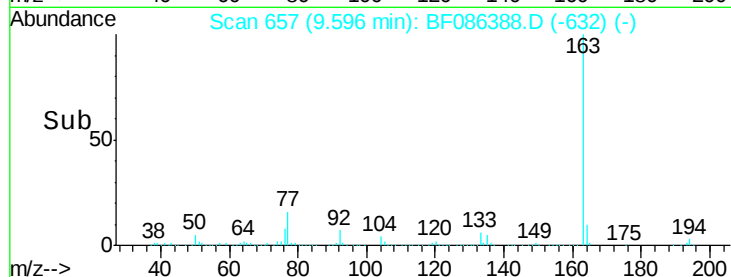
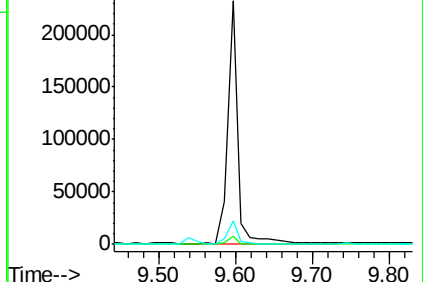
164 9.9 8.2 12.4



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: BF086388.D

Acq: 23 Apr 2016 14:06

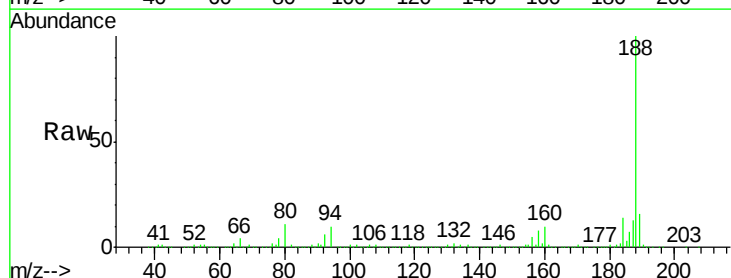
Tgt Ion:188 Resp: 580251

Ion Ratio Lower Upper

188 100

94 10.2 6.8 10.2#

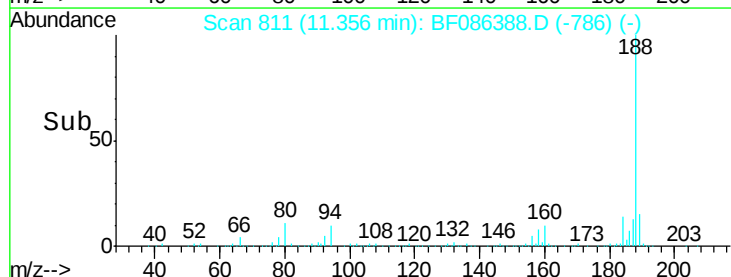
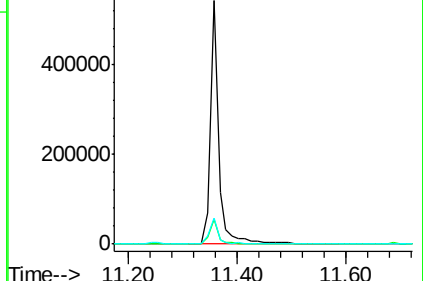
80 10.8 7.1 10.7#

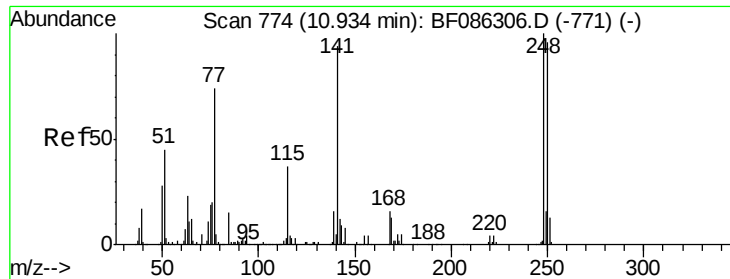


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

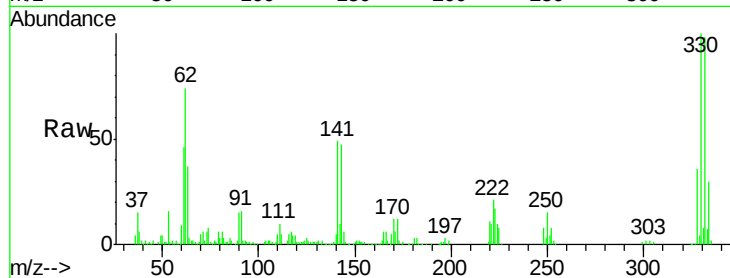




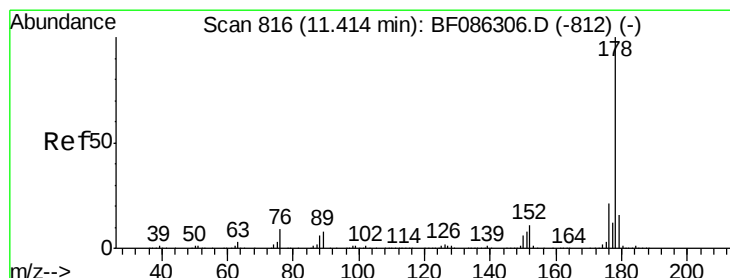
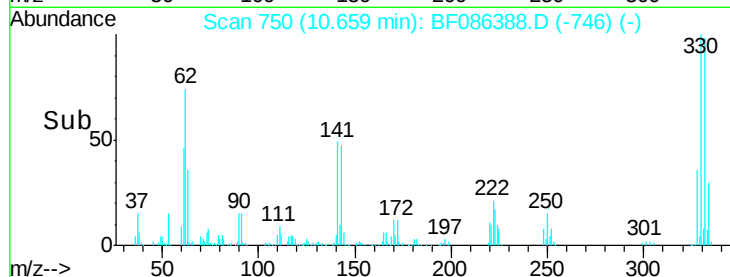
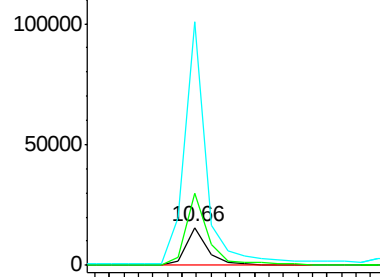
#66
4-Bromophenyl-phenylether
Concen: 2.96 ng
RT: 10.66 min Scan# 750
Delta R.T. -0.25 min
Lab File: BF086388.D
Acq: 23 Apr 2016 14:06

Instrument :
BNA_F
ClientSampleId :
WPG-B9(0-5)-C

Tgt Ion:248 Resp: 16791
Ion Ratio Lower Upper
248 100
250 192.3 78.6 117.8#
141 644.5 76.0 114.0#

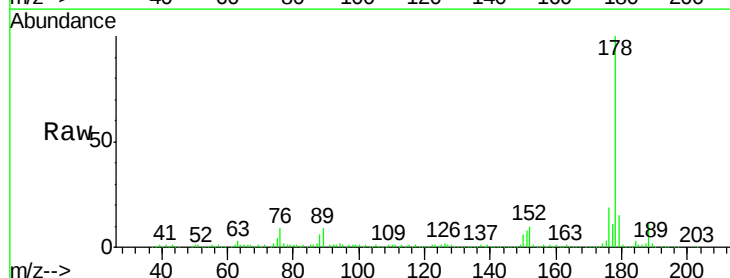


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

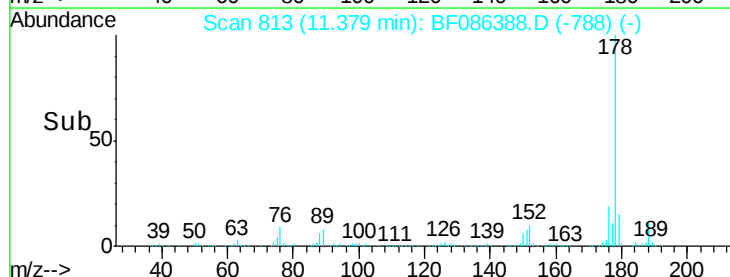
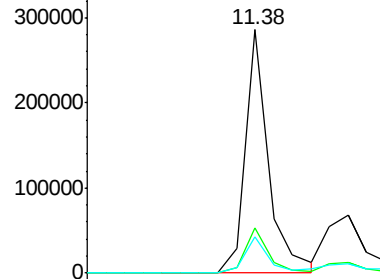


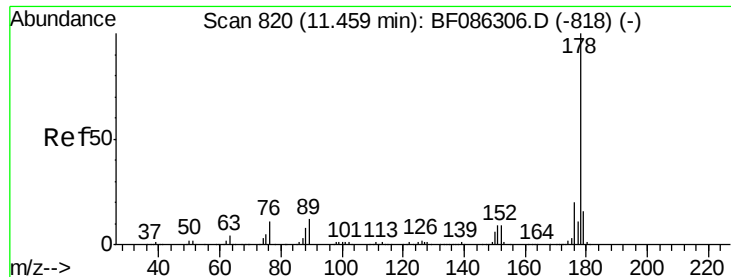
#70
Phenanthrene
Concen: 9.69 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF086388.D
Acq: 23 Apr 2016 14:06

Tgt Ion:178 Resp: 282651
Ion Ratio Lower Upper
178 100
176 18.7 16.0 24.0
179 14.8 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: 4.10 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.00 min

Lab File: BF086388.D

Acq: 23 Apr 2016 14:06

Instrument :

BNA_F

ClientSampleId :

WPG-B9(0-5)-C

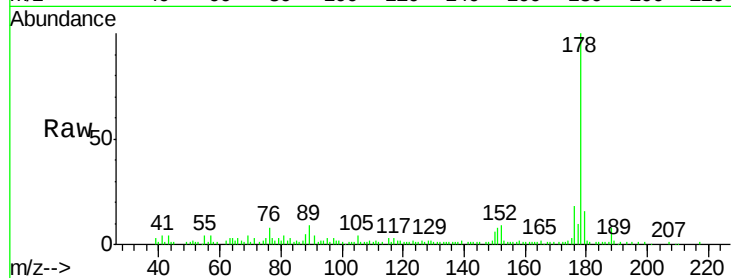
Tgt Ion:178 Resp: 136988

Ion Ratio Lower Upper

178 100

176 18.2 15.6 23.4

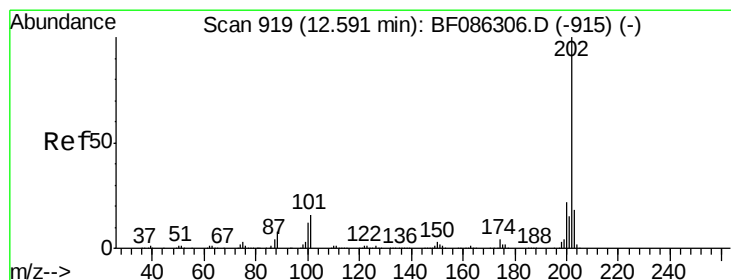
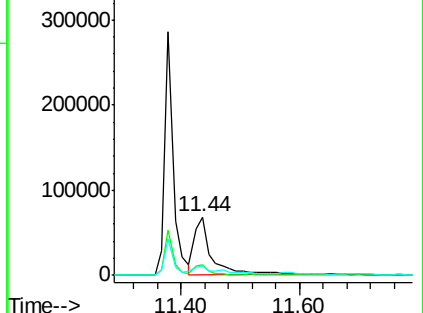
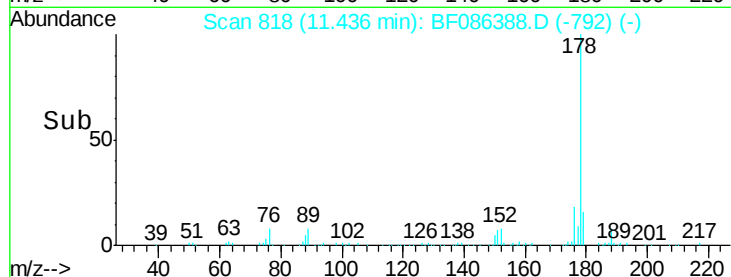
179 16.4 12.7 19.1



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: 21.18 ng

RT: 12.57 min Scan# 917

Delta R.T. -0.00 min

Lab File: BF086388.D

Acq: 23 Apr 2016 14:06

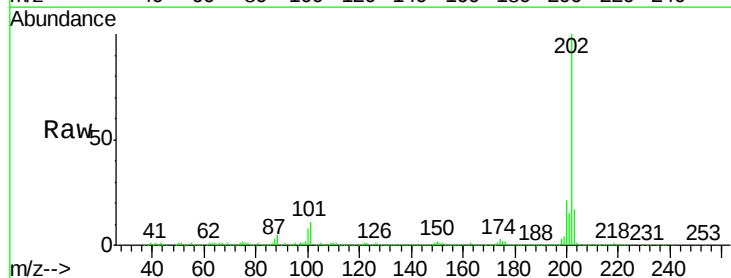
Tgt Ion:202 Resp: 665933

Ion Ratio Lower Upper

202 100

101 10.8 0.0 35.4

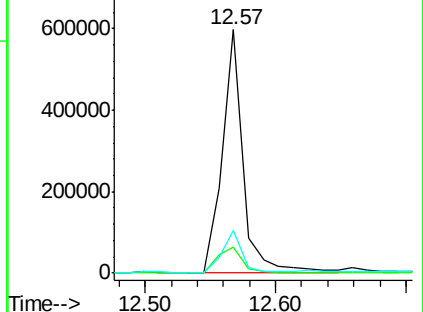
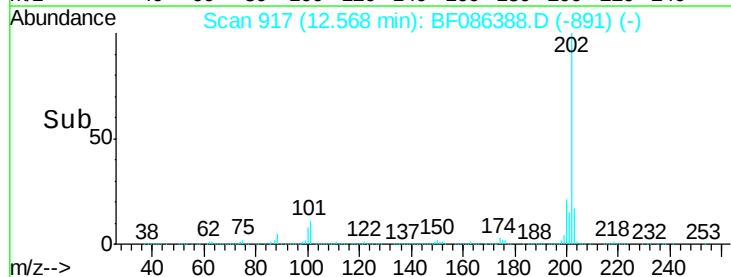
203 17.5 0.0 38.1

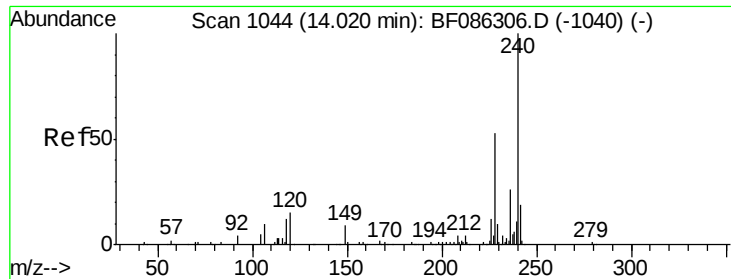


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF086388.D

Acq: 23 Apr 2016 14:06

Instrument :

BNA_F

ClientSampleId :

WPG-B9(0-5)-C

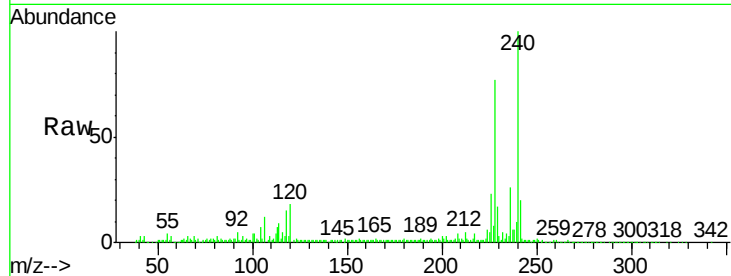
Tgt Ion:240 Resp: 392317

Ion Ratio Lower Upper

240 100

120 17.8 11.2 16.8#

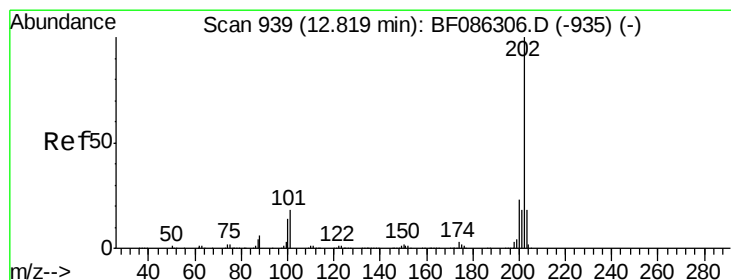
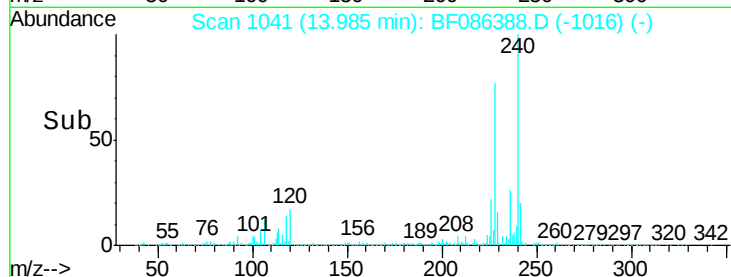
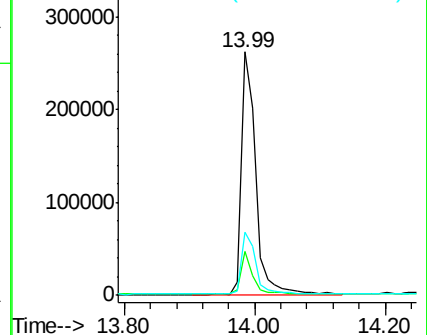
236 26.0 21.2 31.8



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: 21.14 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.00 min

Lab File: BF086388.D

Acq: 23 Apr 2016 14:06

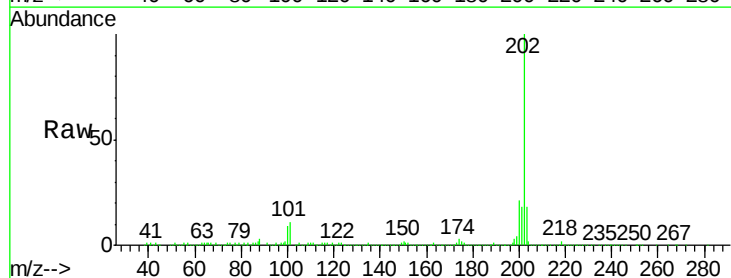
Tgt Ion:202 Resp: 578456

Ion Ratio Lower Upper

202 100

200 21.5 17.7 26.5

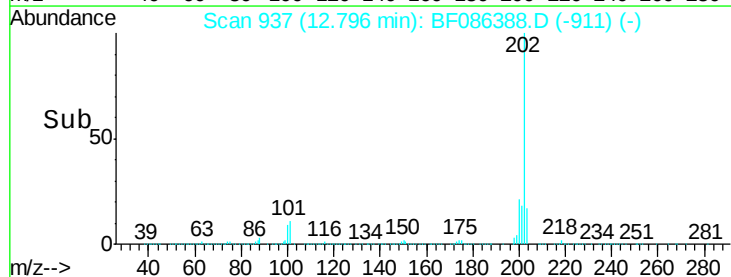
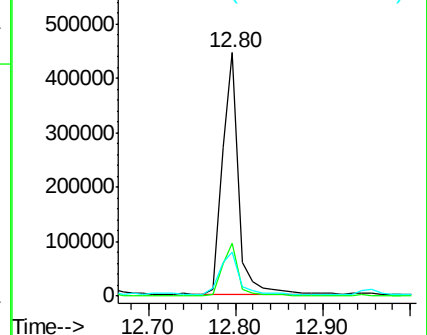
203 18.0 14.2 21.4

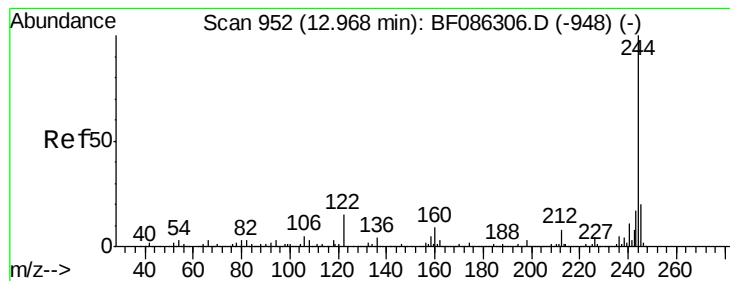


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 67.47 ng

RT: 12.94 min Scan# 950

Delta R.T. -0.00 min

Lab File: BF086388.D

Acq: 23 Apr 2016 14:06

Instrument :

BNA_F

ClientSampleId :

WPG-B9(0-5)-C

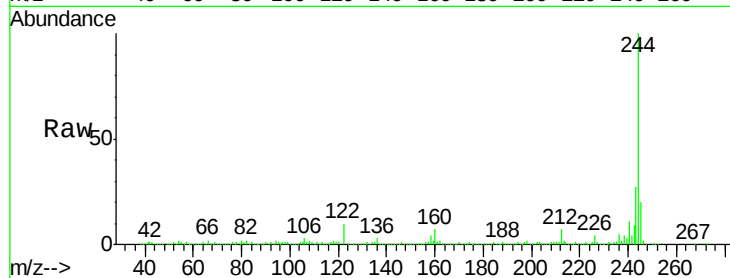
Tgt Ion:244 Resp: 1065394

Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.2

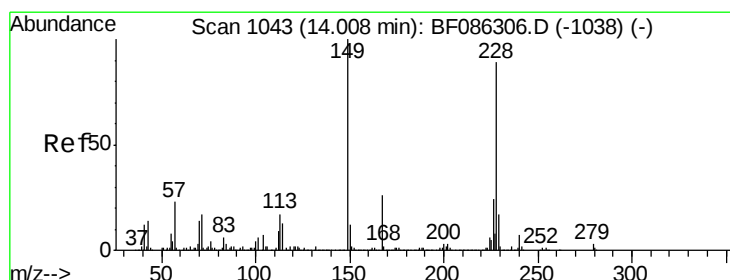
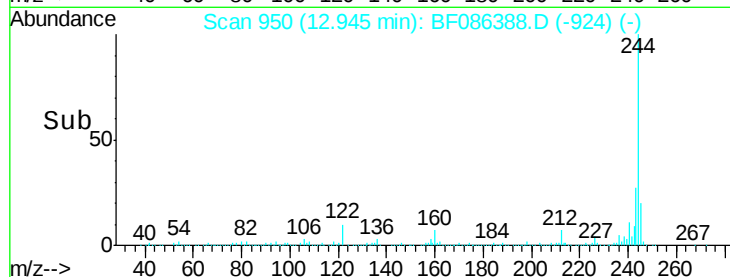
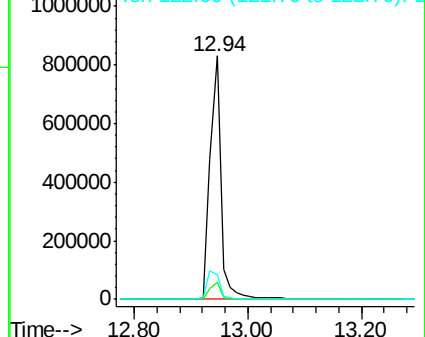
122 10.2 12.0 18.0#



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: 16.82 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF086388.D

Acq: 23 Apr 2016 14:06

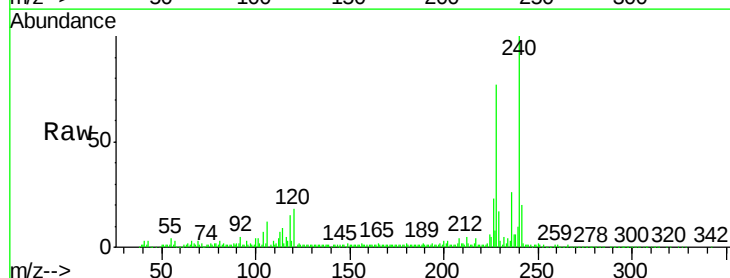
Tgt Ion:228 Resp: 342545

Ion Ratio Lower Upper

228 100

226 29.5 22.5 33.7

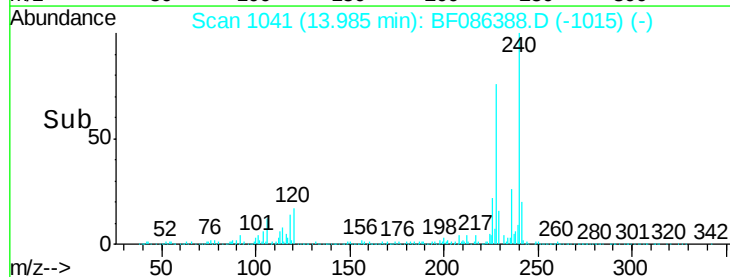
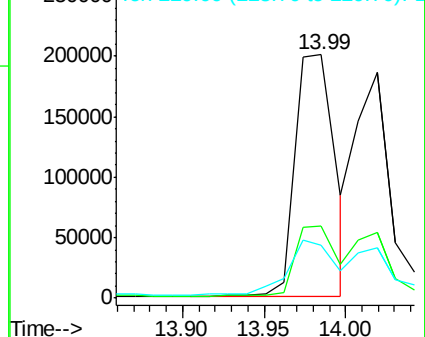
229 22.0 16.6 25.0

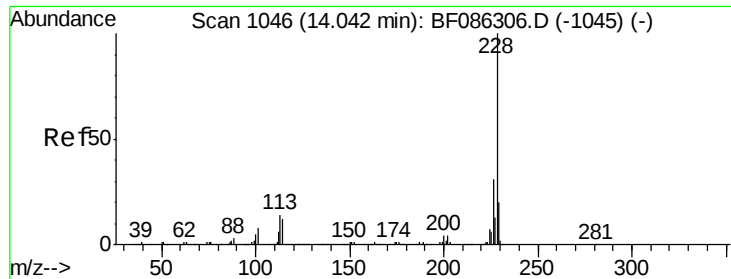


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 14.93 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BF086388.D

Acq: 23 Apr 2016 14:06

Instrument :

BNA_F

ClientSampleId :

WPG-B9(0-5)-C

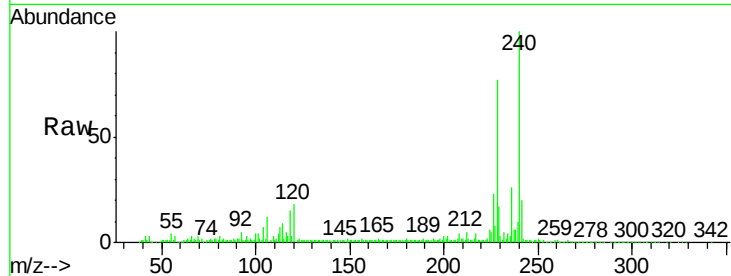
Tgt Ion:228 Resp: 342545

Ion Ratio Lower Upper

228 100

226 29.5 24.4 36.6

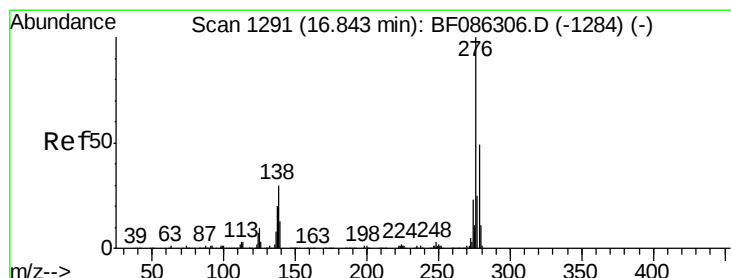
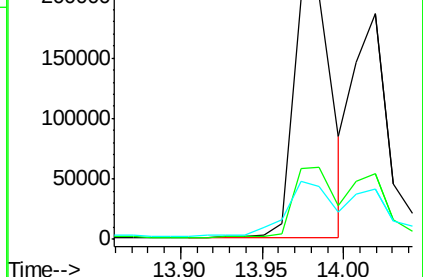
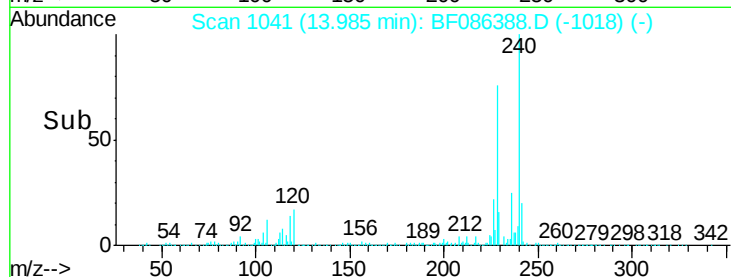
229 22.0 15.8 23.8



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: 6.01 ng

RT: 16.79 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BF086388.D

Acq: 23 Apr 2016 14:06

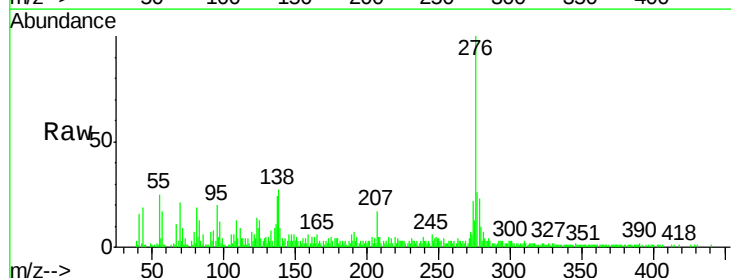
Tgt Ion:276 Resp: 122496

Ion Ratio Lower Upper

276 100

138 28.5 25.6 38.4

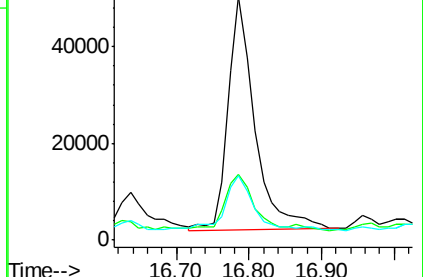
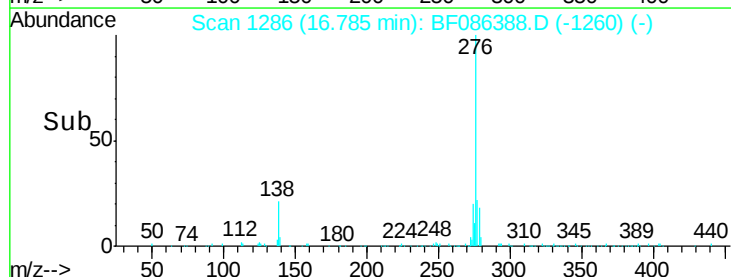
277 25.1 20.5 30.7

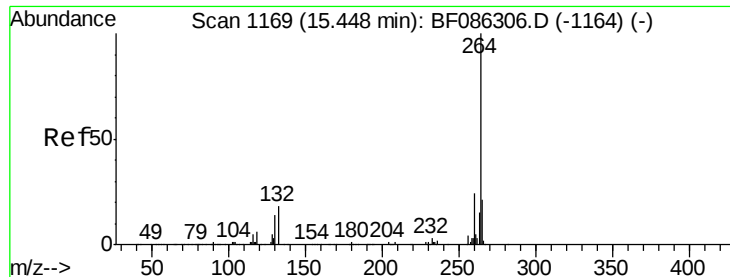


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



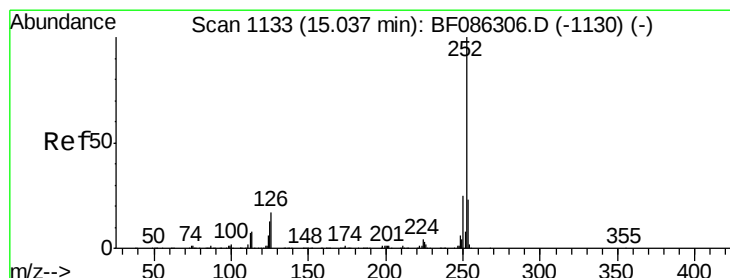
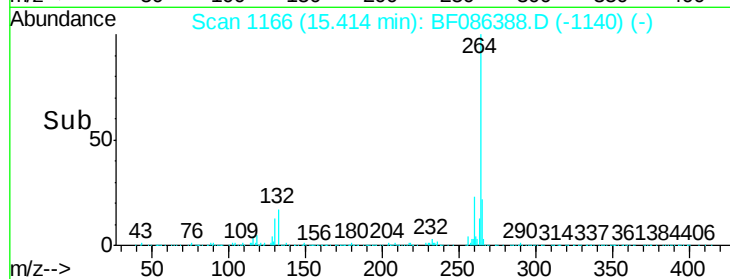
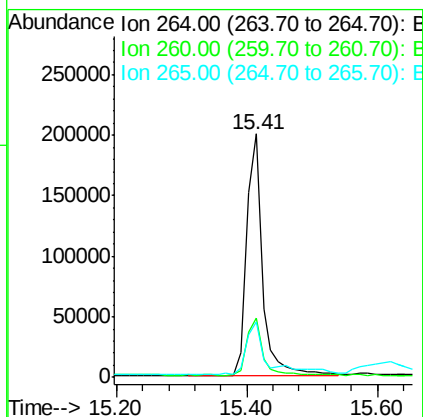
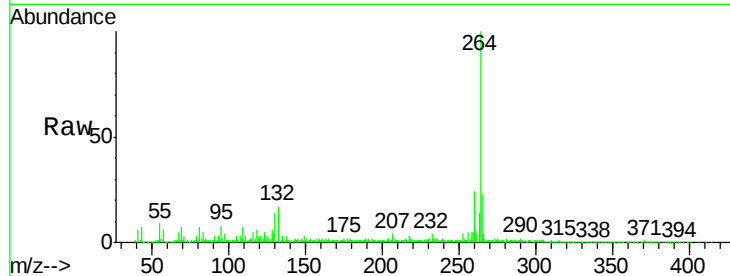


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BF086388.D
Acq: 23 Apr 2016 14:06

Instrument :
BNA_F
ClientSampleId :
WPG-B9(0-5)-C

Tgt Ion: 264 Resp: 338490

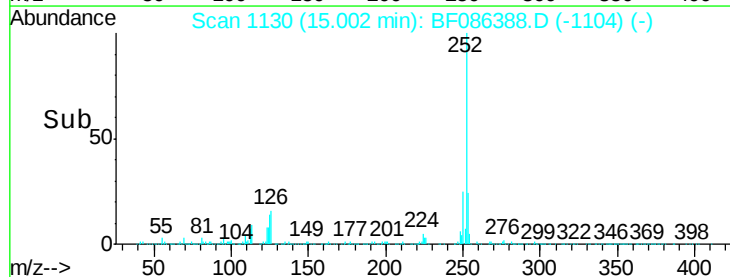
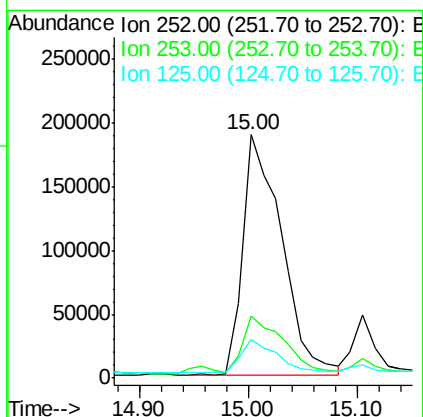
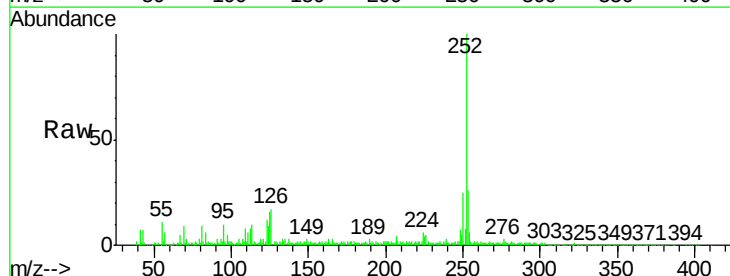
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	22.6	17.3	25.9

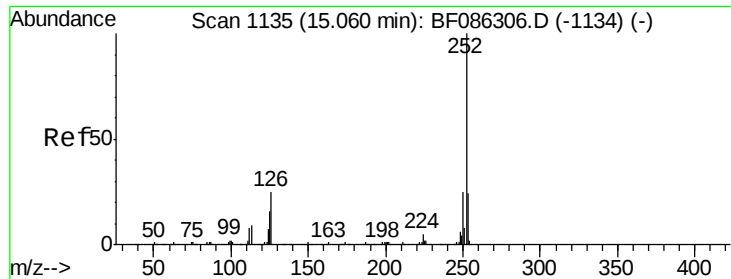


#87
Benzo(b)fluoranthene
Concen: 25.15 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BF086388.D
Acq: 23 Apr 2016 14:06

Tgt Ion: 252 Resp: 467237

Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.8	26.6
125	16.1	11.4	17.0

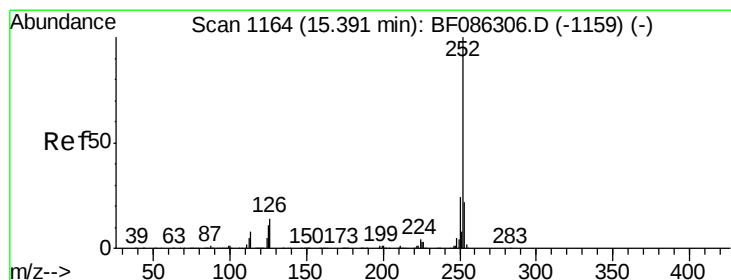
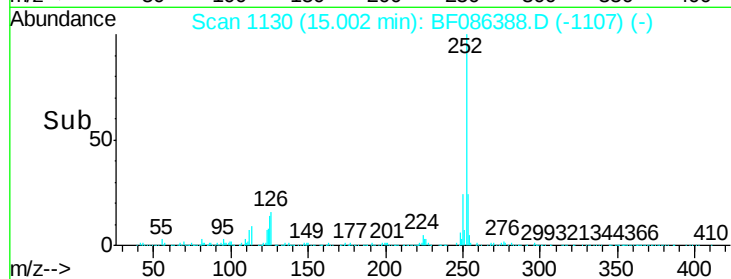
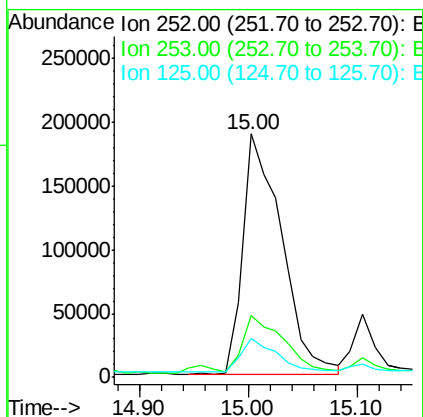
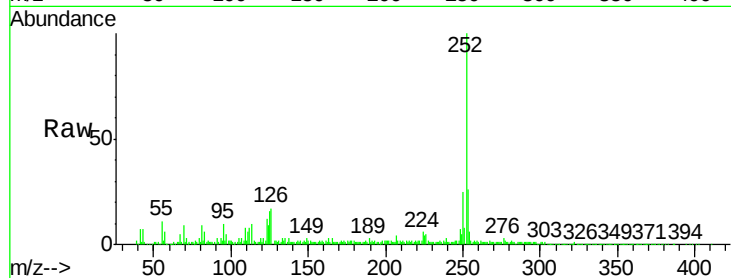




#88
Benzo(k)fluoranthene
Concen: 25.62 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF086388.D
Acq: 23 Apr 2016 14:06

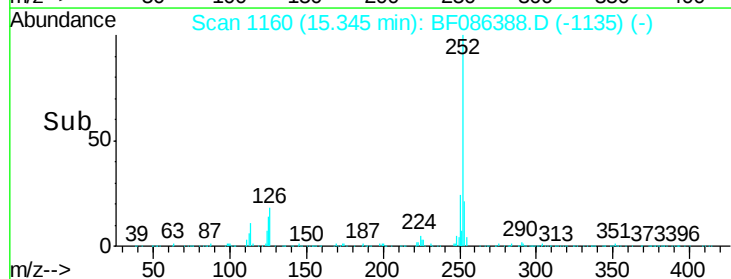
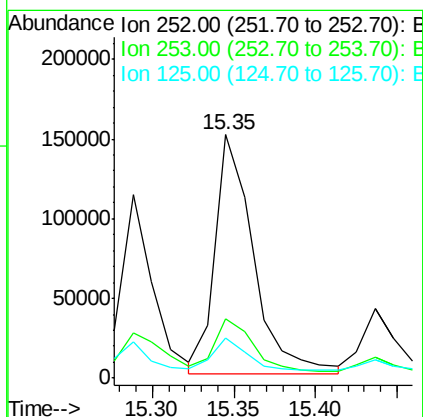
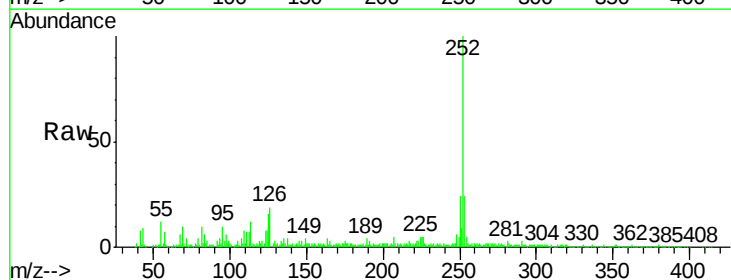
Instrument :
BNA_F
ClientSampleId :
WPG-B9(0-5)-C

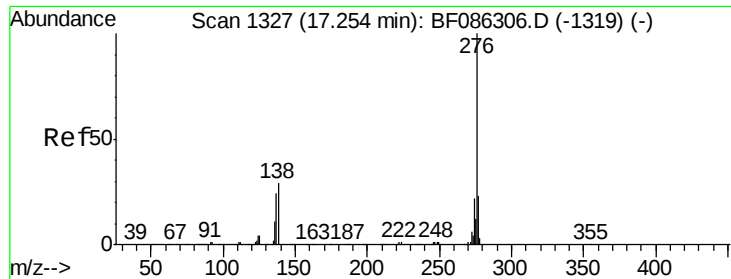
Tgt Ion:252 Resp: 467237
Ion Ratio Lower Upper
252 100
253 25.5 17.8 26.6
125 16.1 9.1 13.7#



#89
Benzo(a)pyrene
Concen: 13.37 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF086388.D
Acq: 23 Apr 2016 14:06

Tgt Ion:252 Resp: 245027
Ion Ratio Lower Upper
252 100
253 24.3 17.2 25.8
125 16.3 9.0 13.6#





#91
 Benzo(g,h,i)perylene
 Concen: 6.97 ng
 RT: 17.20 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: BF086388.D
 Acq: 23 Apr 2016 14:06

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B9(0-5)-C

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.6	29.4
138	27.3	23.6	35.4

