

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042716\
 Data File : BF086428.D
 Acq On : 27 Apr 2016 17:10
 Operator : UM/SJ
 Sample : H2652-15 4X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B5(0-5)-C

Quant Time: Apr 27 18:22:08 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

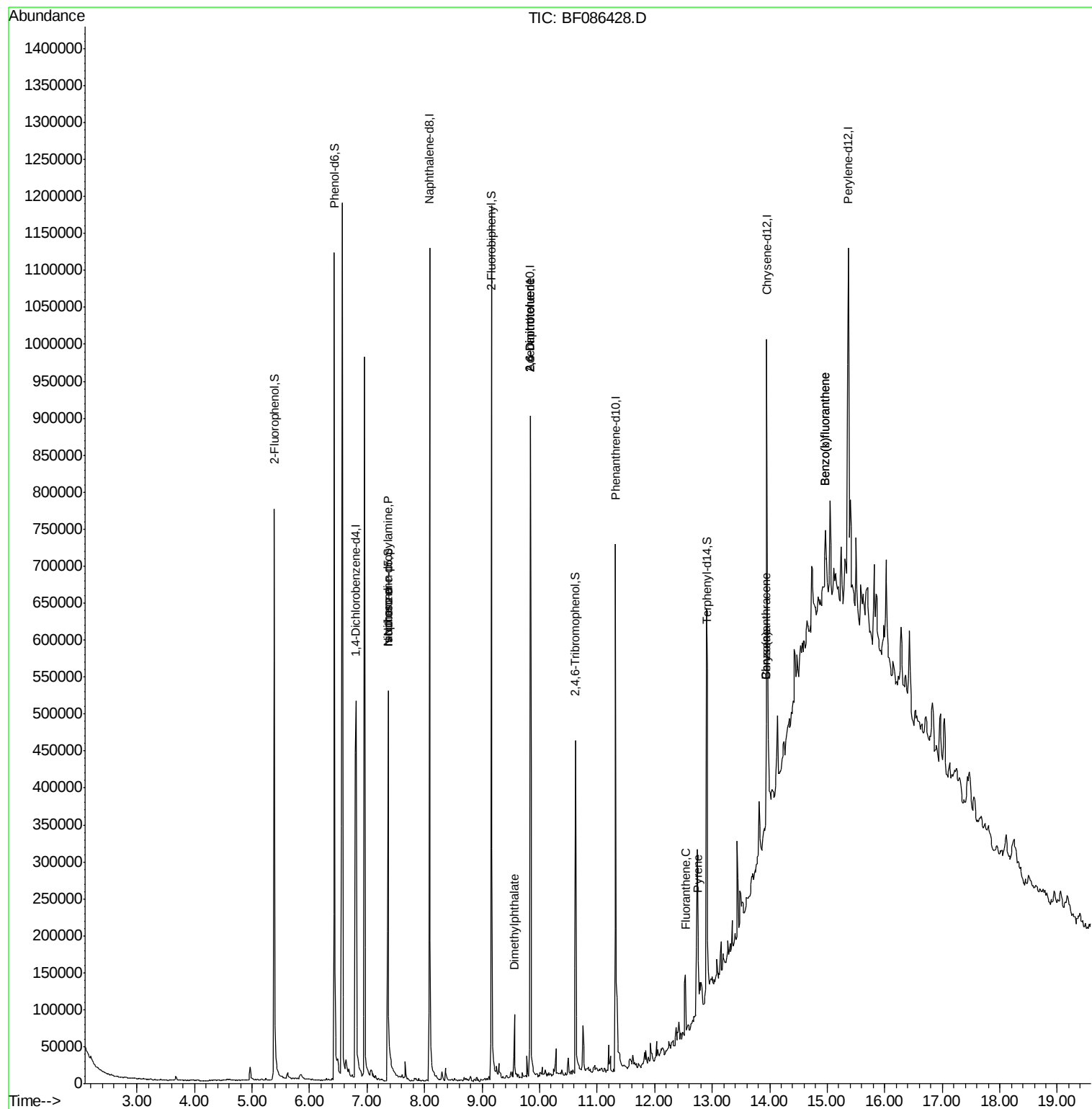
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	115002	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	506233	20.00	ng	-0.01
38) Acenaphthene-d10	9.84	164	197163	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	310302	20.00	ng	0.00
75) Chrysene-d12	13.95	240	282091	20.00	ng	-0.01
86) Perylene-d12	15.37	264	280215	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	285549	42.83	ng	0.00
7) Phenol-d6	6.43	99	402501	43.25	ng	-0.01
23) Nitrobenzene-d5	7.37	82	233211	24.83	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	62959	30.28	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	383734	26.70	ng	-0.01
78) Terphenyl-d14	12.91	244	252425	19.71	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	29373	4.78	ng	# 79
25) Isophorone	7.37	82	171035	9.46	ng	# 68
49) Dimethylphthalate	9.56	163	35892	2.42	ng	# 99
50) 2,6-Dinitrotoluene	9.84	165	24895	8.12	ng	# 21
56) 2,4-Dinitrotoluene	9.84	165	24897	6.37	ng	# 16
74) Fluoranthene	12.53	202	51684	3.14	ng	# 94
77) Pyrene	12.75	202	51575	2.54	ng	# 96
80) Benzo(a)anthracene	13.94	228	34975	2.33	ng	# 88
82) Chrysene	13.94	228	34975	2.14	ng	# 90
87) Benzo(b)fluoranthene	14.97	252	56658	3.44	ng	# 65
88) Benzo(k)fluoranthene	14.97	252	56658	3.30	ng	# 62

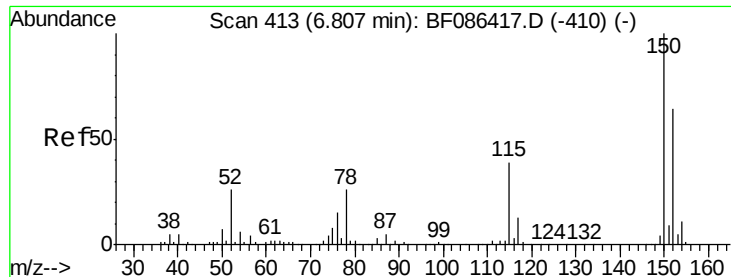
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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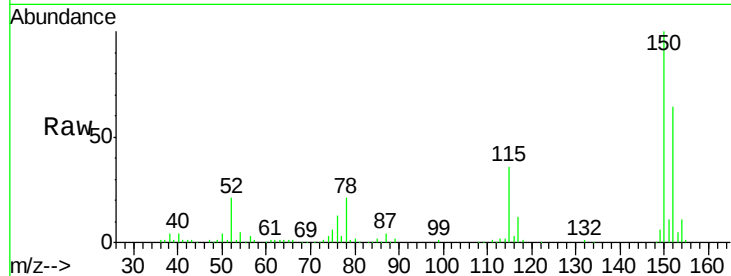


#1

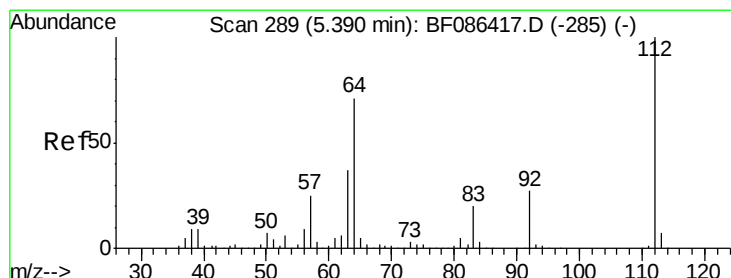
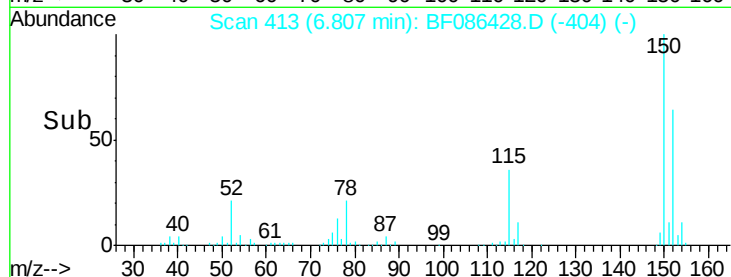
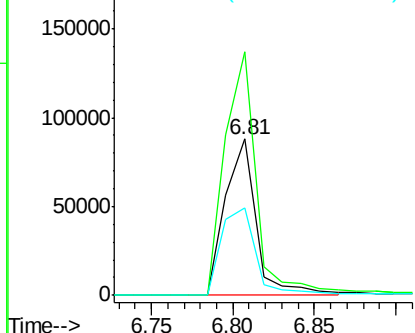
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. 0.00 min
Lab File: BF086428.D
Acq: 27 Apr 2016 17:10

Instrument :
BNA_F
ClientSampleId :
WPG-B5(0-5)-C

Tot Ion:152 Resp: 115002
Ion Ratio Lower Upper
152 100
150 156.0 125.8 188.6
115 55.7 51.5 77.3



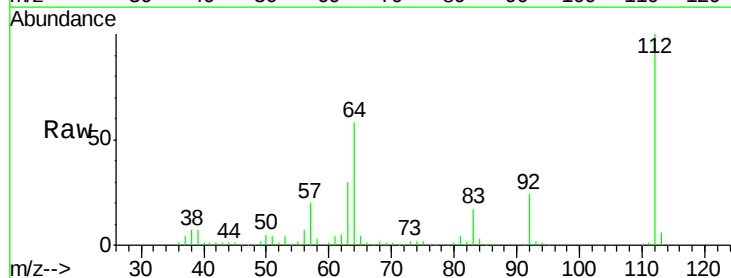
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



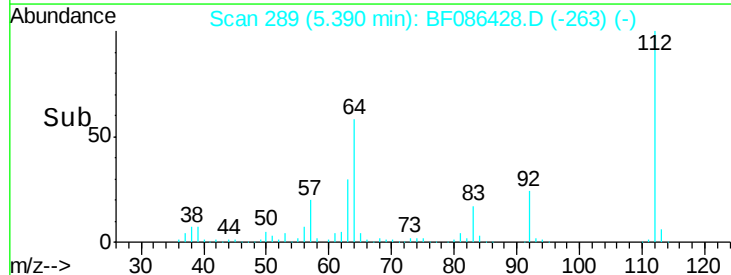
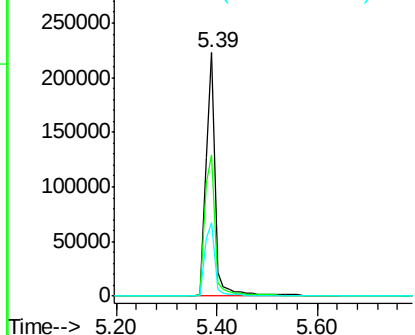
#5

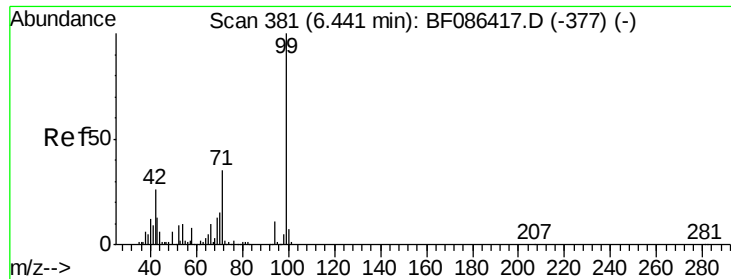
2-Fluorophenol
Concen: 42.83 ng
RT: 5.39 min Scan# 289
Delta R.T. 0.00 min
Lab File: BF086428.D
Acq: 27 Apr 2016 17:10

Tgt Ion:112 Resp: 285549
Ion Ratio Lower Upper
112 100
64 57.9 52.1 78.1
63 30.3 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: 43.25 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF086428.D

Acq: 27 Apr 2016 17:10

Instrument :

BNA_F

ClientSampleId :

WPG-B5(0-5)-C

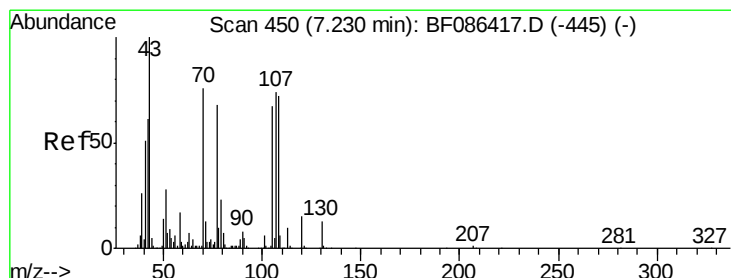
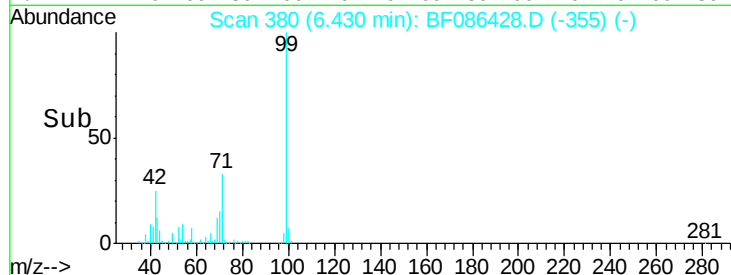
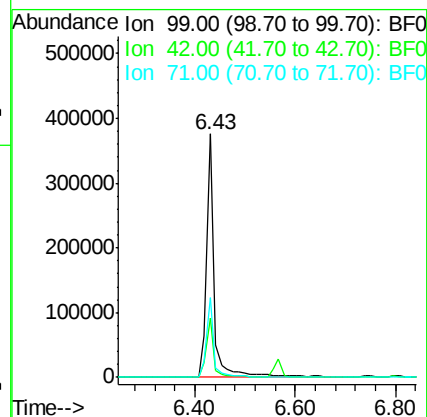
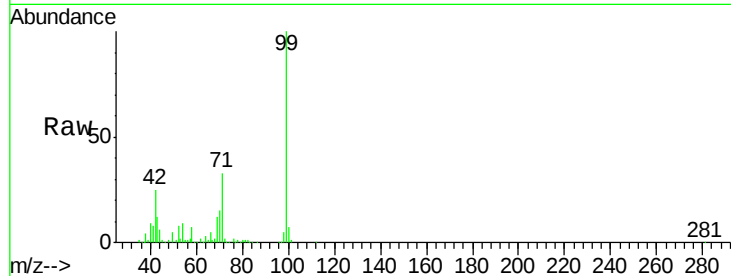
Tot Ion: 99 Resp: 402501

Ion Ratio Lower Upper

99 100

42 24.6 13.6 20.4#

71 32.6 24.6 36.8



#19

n-Nitroso-di-n-propylamine

Concen: 4.78 ng

RT: 7.37 min Scan# 462

Delta R.T. 0.14 min

Lab File: BF086428.D

Acq: 27 Apr 2016 17:10

Tgt Ion: 70 Resp: 29373

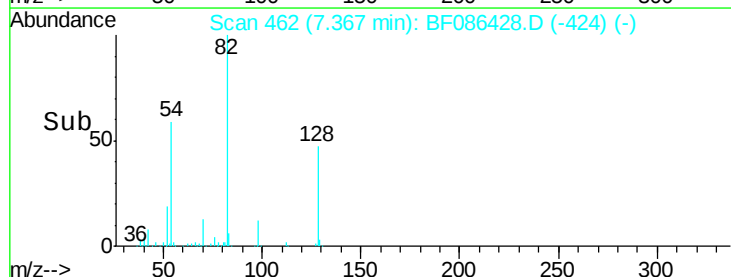
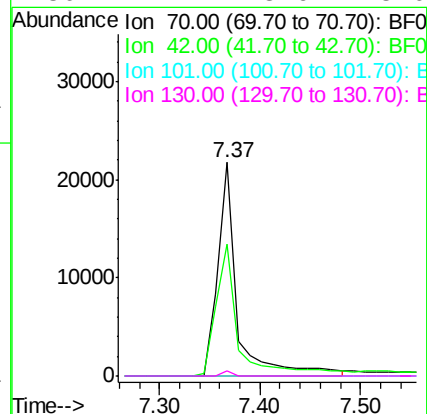
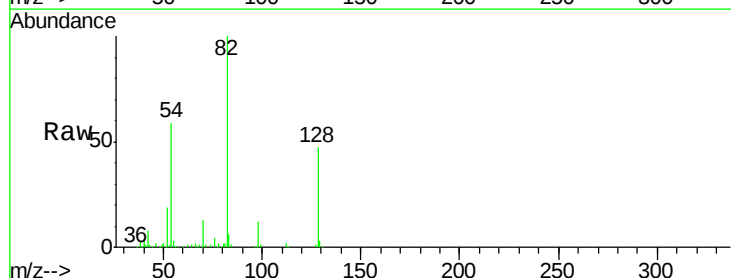
Ion Ratio Lower Upper

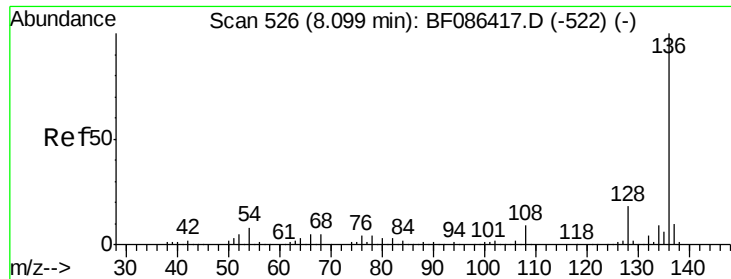
70 100

42 61.6 43.1 64.7

101 0.0 8.1 12.1#

130 2.1 18.6 28.0#

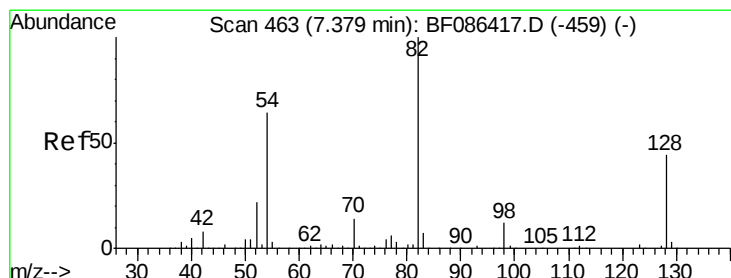
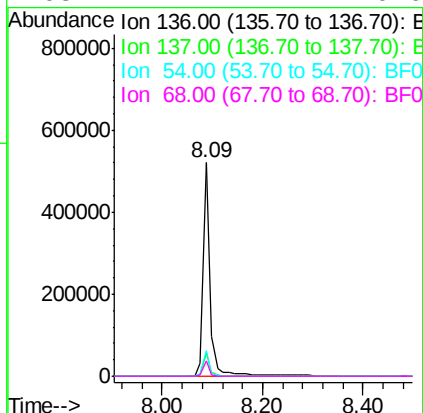
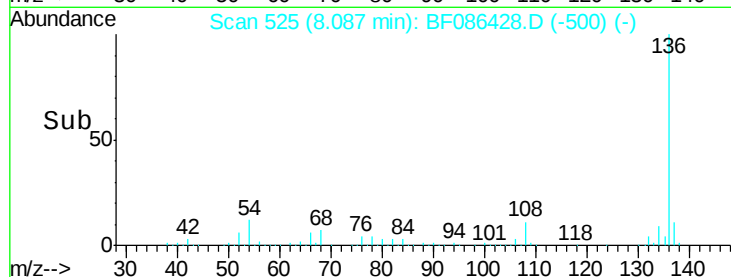
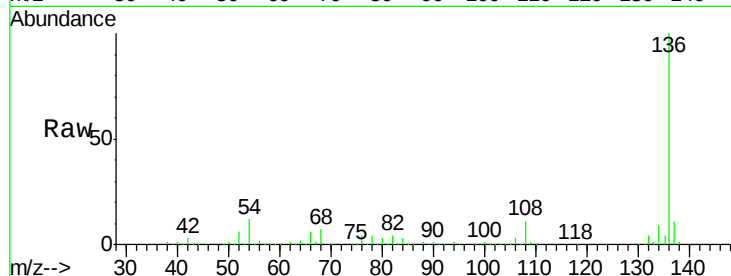




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.01 min
Lab File: BF086428.D
Acq: 27 Apr 2016 17:10

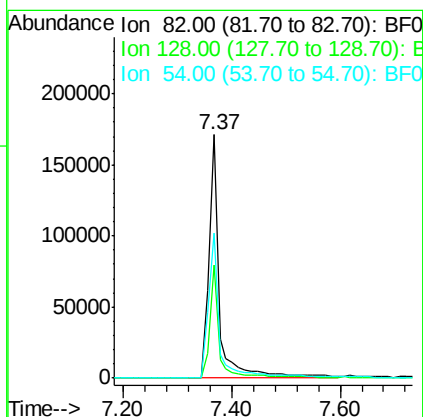
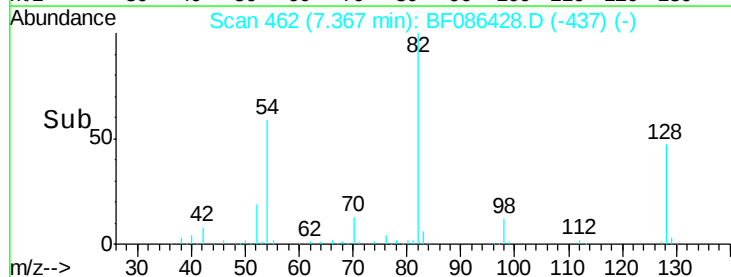
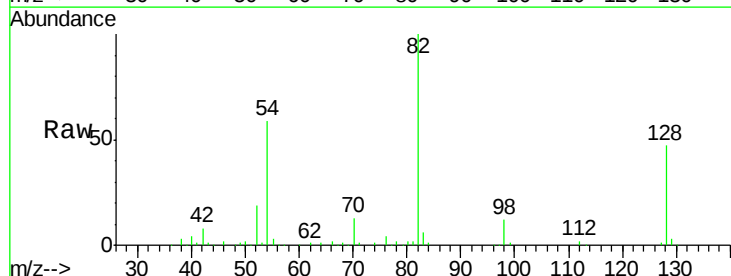
Instrument :
BNA_F
ClientSampleId :
WPG-B5(0-5)-C

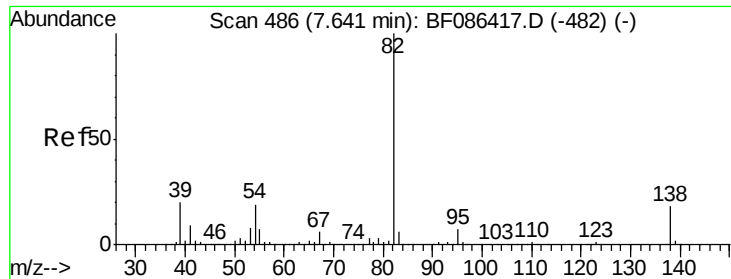
Tot Ion:136	Resp:	506233
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.8 13.2
54	12.1	5.0 7.4#
68	7.1	4.4 6.6#



#23
Nitrobenzene-d5
Concen: 24.83 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.01 min
Lab File: BF086428.D
Acq: 27 Apr 2016 17:10

Tgt Ion: 82	Resp:	233211
Ion Ratio	Lower	Upper
82	100	
128	46.5	40.6 61.0
54	59.5	38.1 57.1#





#25

Isophorone

Concen: 9.46 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.27 min

Lab File: BF086428.D

Acq: 27 Apr 2016 17:10

Instrument :

BNA_F

ClientSampleId :

WPG-B5(0-5)-C

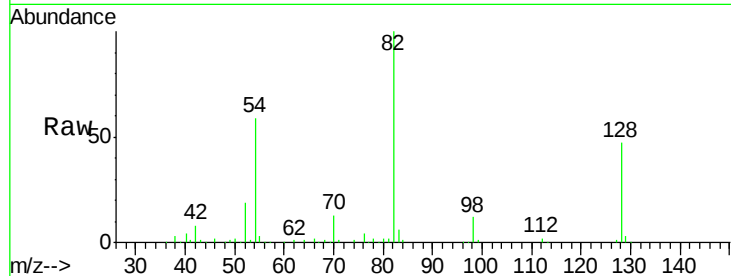
Tot Ion: 82 Resp: 171035

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

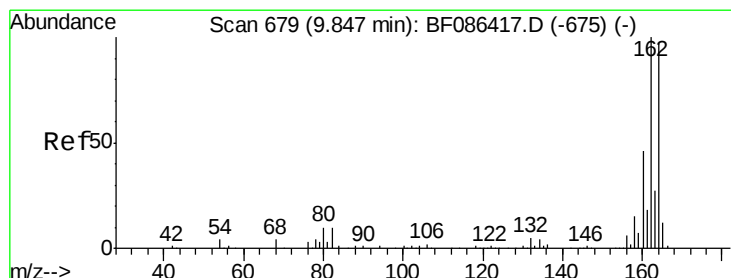
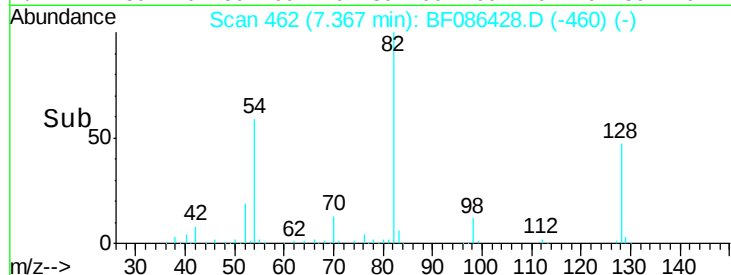
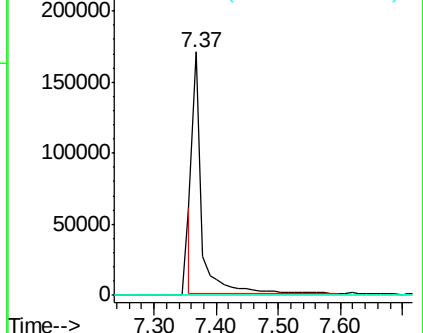
138 0.0 12.4 18.6#



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: 9.84 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF086428.D

Acq: 27 Apr 2016 17:10

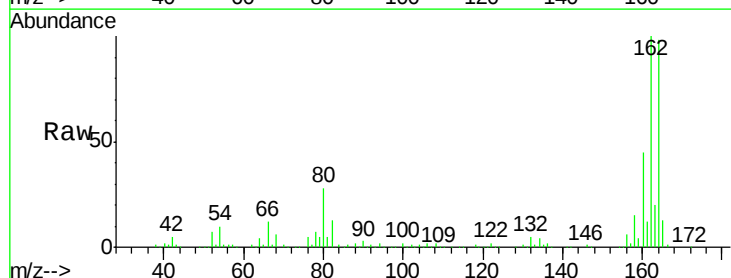
Tgt Ion:164 Resp: 197163

Ion Ratio Lower Upper

164 100

162 102.4 82.8 124.2

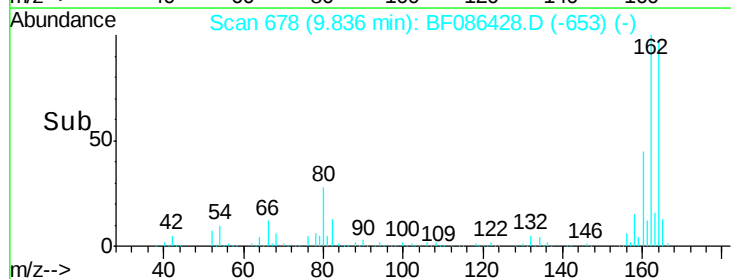
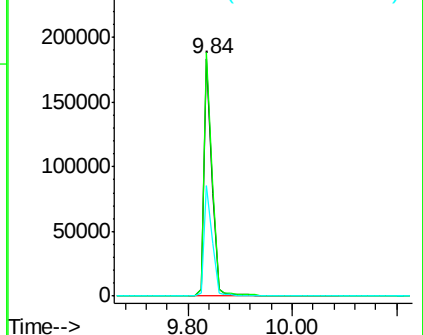
160 46.4 36.9 55.3

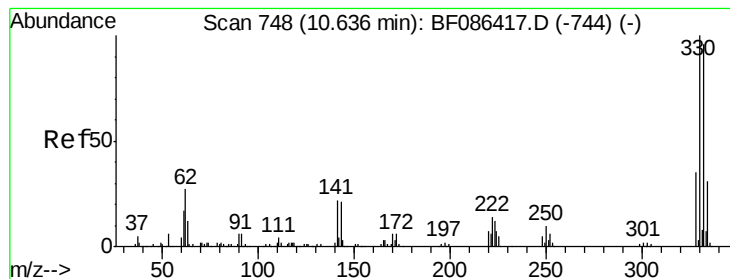


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

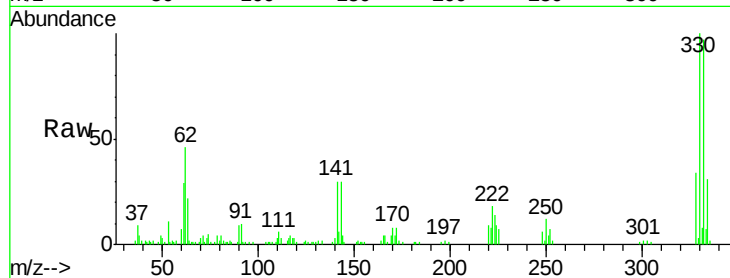




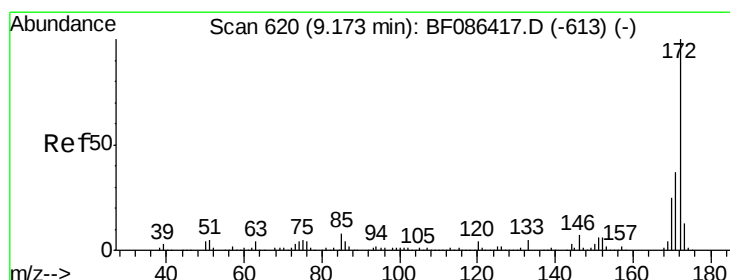
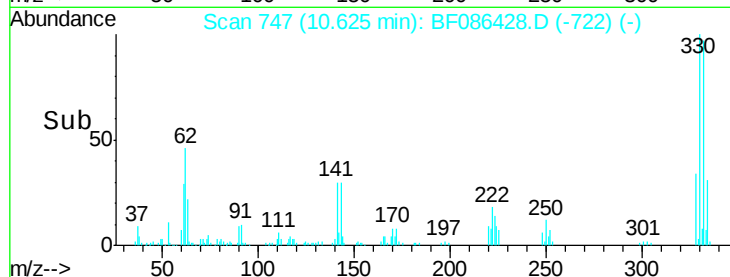
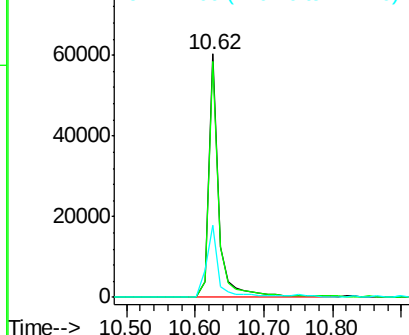
#41
 2,4,6-Tribromophenol
 Concen: 30.28 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF086428.D
 Acq: 27 Apr 2016 17:10

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B5(0-5)-C

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	79.0	118.4
141	35.0	31.2	46.8

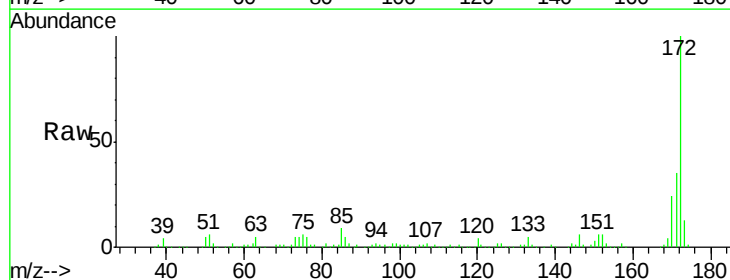


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

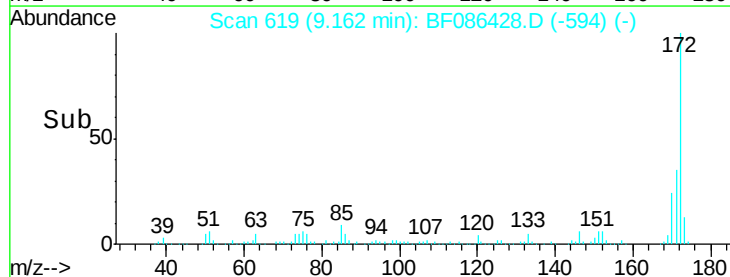
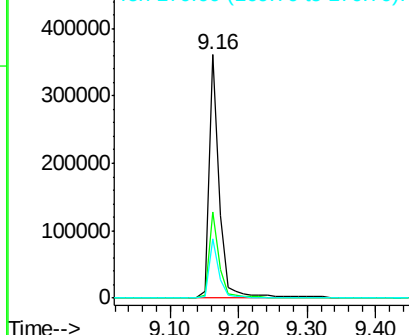


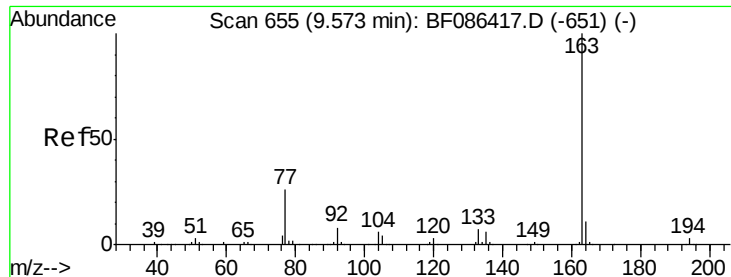
#44
 2-Fluorobiphenyl
 Concen: 26.70 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.01 min
 Lab File: BF086428.D
 Acq: 27 Apr 2016 17:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.0	43.6
170	24.2	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

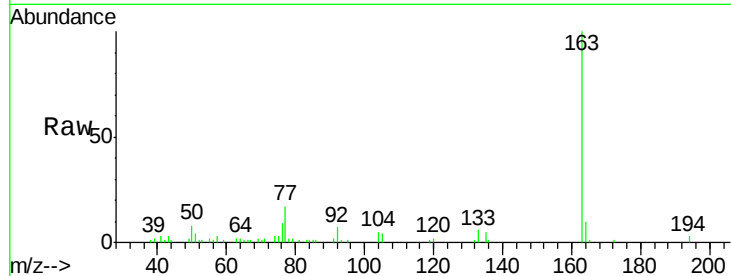




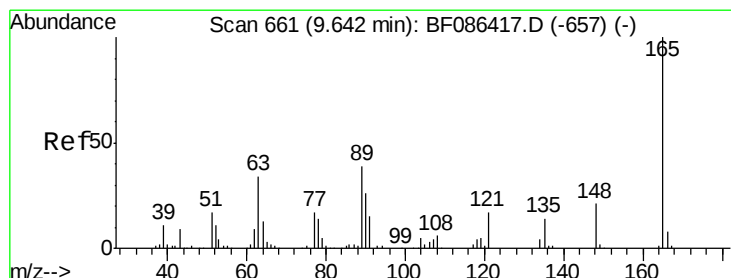
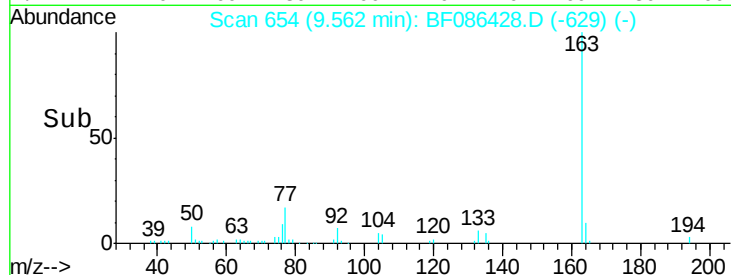
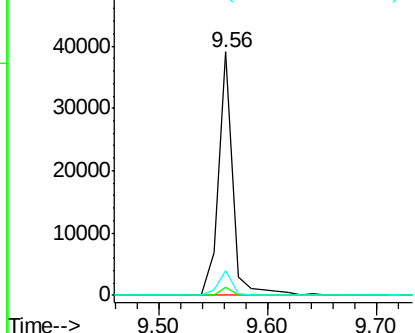
#49
Dimethylphthalate
Concen: 2.42 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.01 min
Lab File: BF086428.D
Acq: 27 Apr 2016 17:10

Instrument :
BNA_F
ClientSampleId :
WPG-B5(0-5)-C

Tot Ion:163 Resp: 35892
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 9.9 8.2 12.4

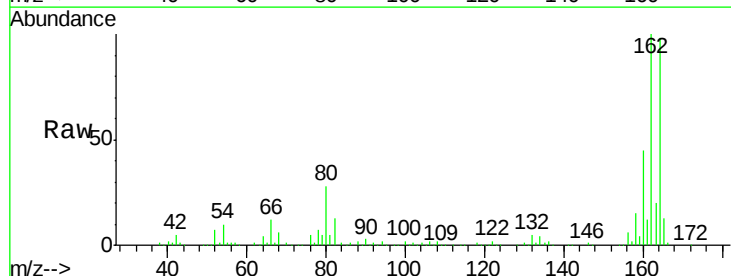


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

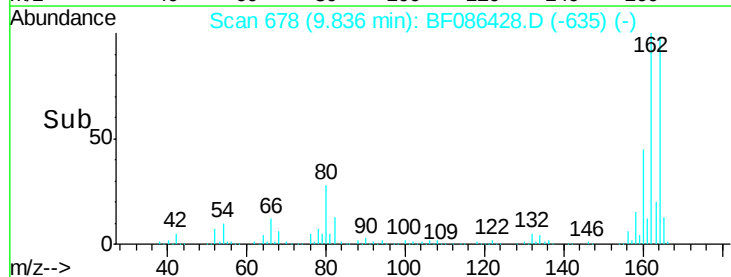
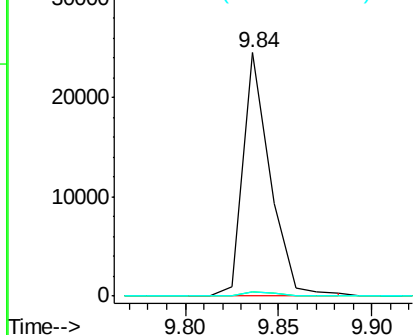


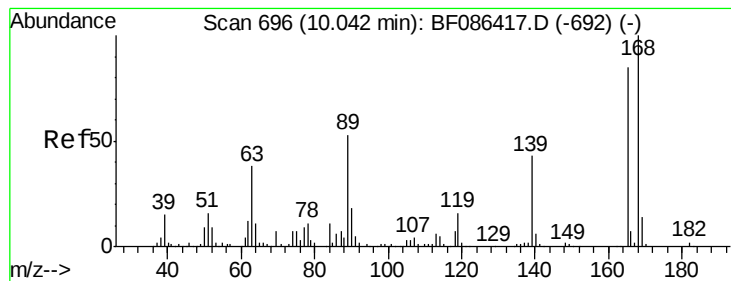
#50
2,6-Dinitrotoluene
Concen: 8.12 ng
RT: 9.84 min Scan# 678
Delta R.T. 0.19 min
Lab File: BF086428.D
Acq: 27 Apr 2016 17:10

Tgt Ion:165 Resp: 24895
Ion Ratio Lower Upper
165 100
63 1.9 51.8 77.8#
89 2.0 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

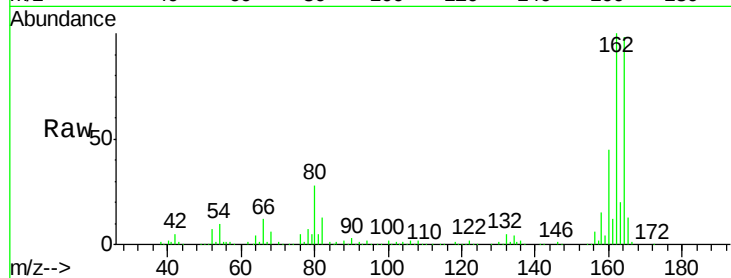




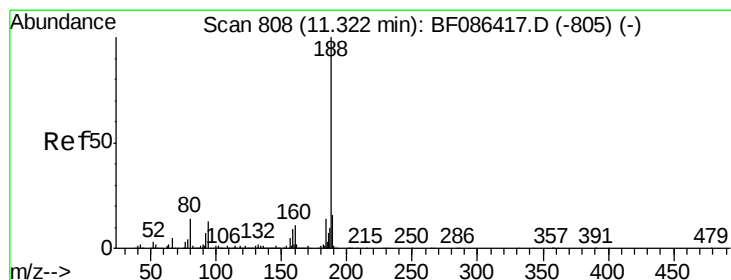
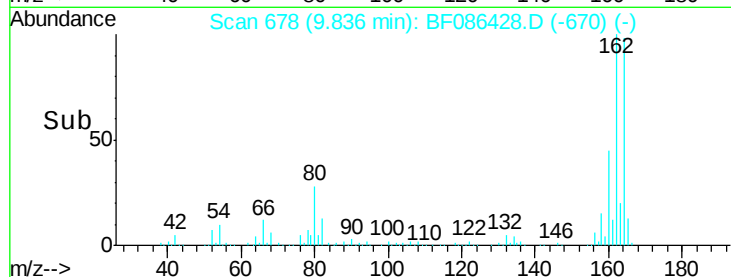
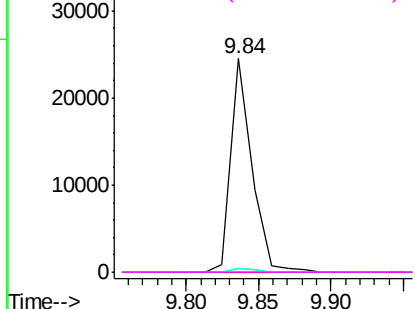
#56
 2,4-Dinitrotoluene
 Concen: 6.37 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.21 min
 Lab File: BF086428.D
 Acq: 27 Apr 2016 17:10

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B5(0-5)-C

Tot Ion:165 Resp: 24897
 Ion Ratio Lower Upper
 165 100
 63 1.9 44.3 66.5#
 89 2.0 70.0 105.0#
 182 0.0 1.8 2.6#

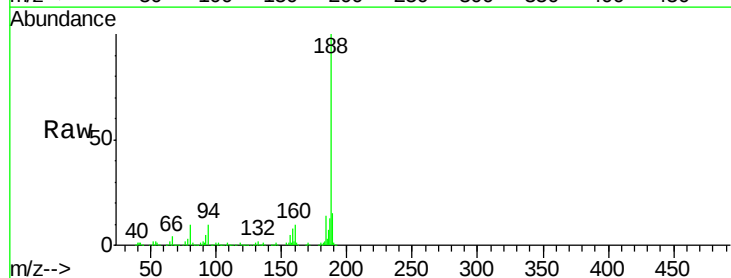


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

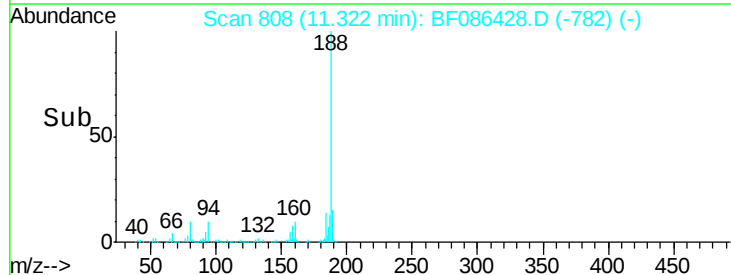
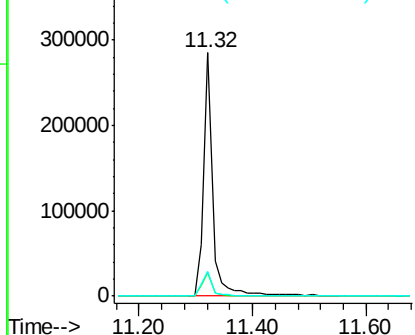


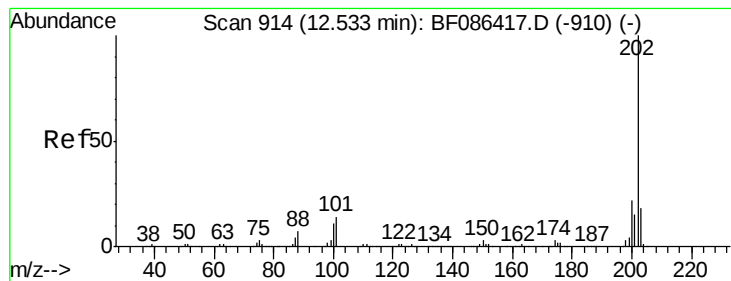
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF086428.D
 Acq: 27 Apr 2016 17:10

Tgt Ion:188 Resp: 310302
 Ion Ratio Lower Upper
 188 100
 94 9.8 6.8 10.2
 80 10.3 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: 3.14 ng

RT: 12.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF086428.D

Acq: 27 Apr 2016 17:10

Instrument :

BNA_F

ClientSampleId :

WPG-B5(0-5)-C

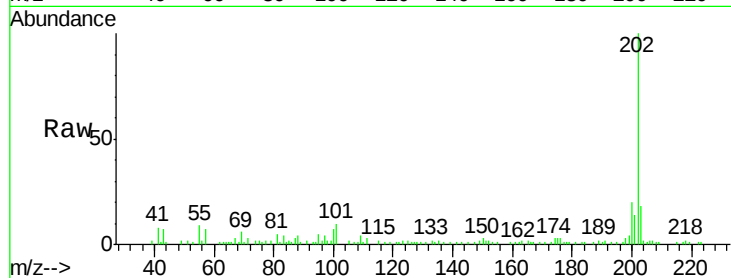
Tot Ion:202 Resp: 51684

Ion Ratio Lower Upper

202 100

101 10.1 0.0 35.4

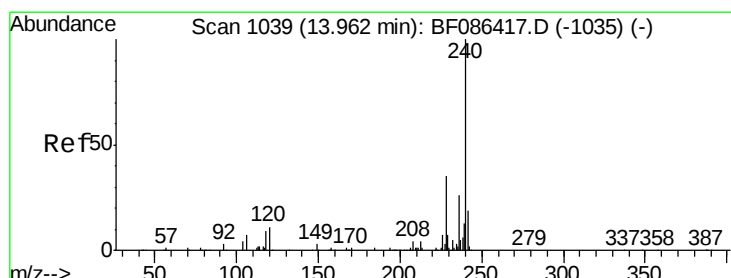
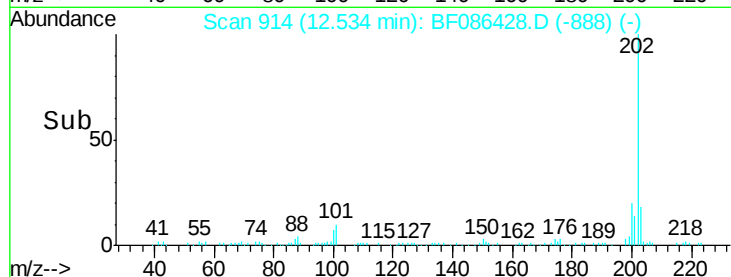
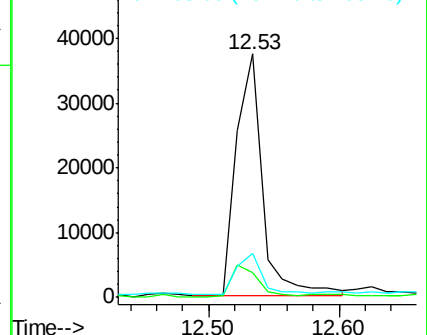
203 18.2 0.0 38.1



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: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF086428.D

Acq: 27 Apr 2016 17:10

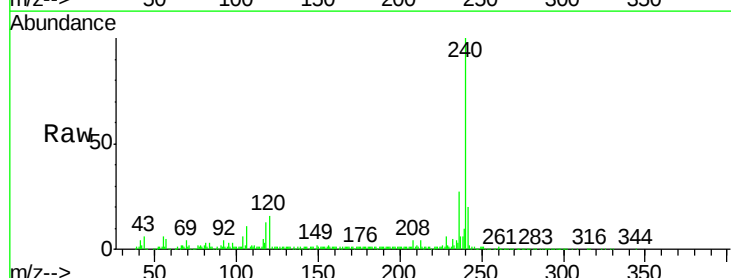
Tgt Ion:240 Resp: 282091

Ion Ratio Lower Upper

240 100

120 16.0 11.2 16.8

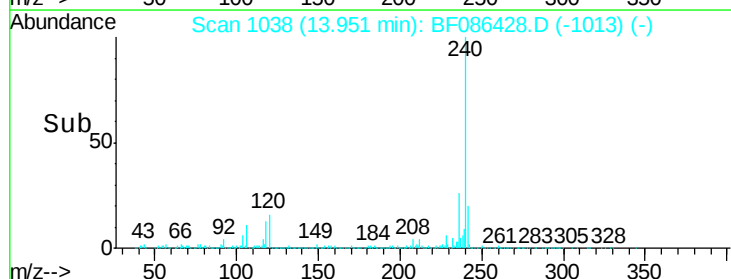
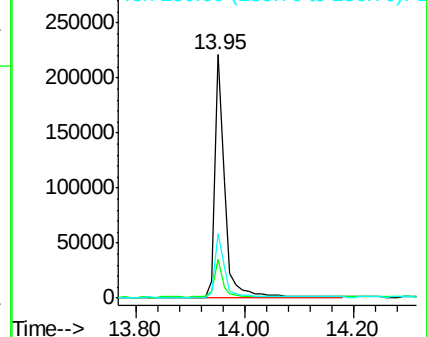
236 26.7 21.2 31.8

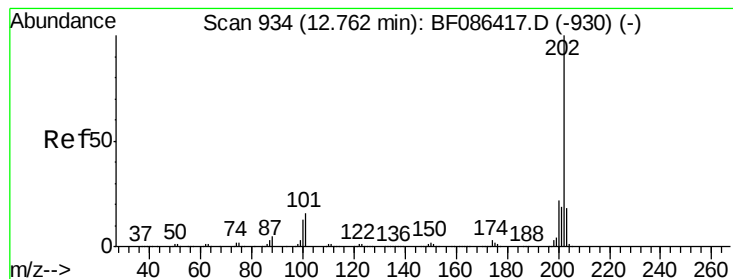


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.54 ng

RT: 12.75 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF086428.D

Acq: 27 Apr 2016 17:10

Instrument :

BNA_F

ClientSampleId :

WPG-B5(0-5)-C

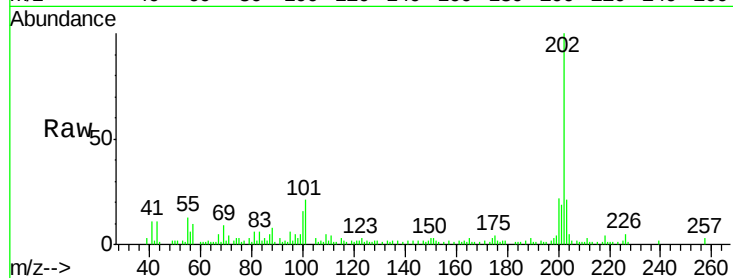
Tot Ion:202 Resp: 51575

Ion Ratio Lower Upper

202 100

200 21.7 17.7 26.5

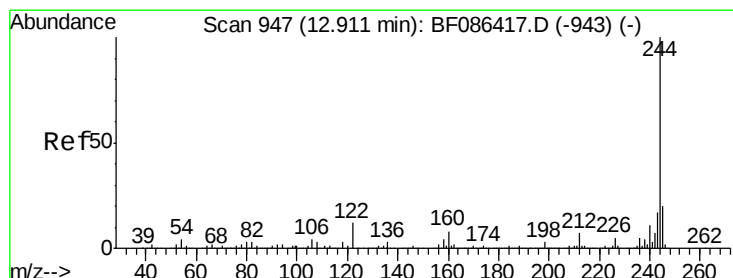
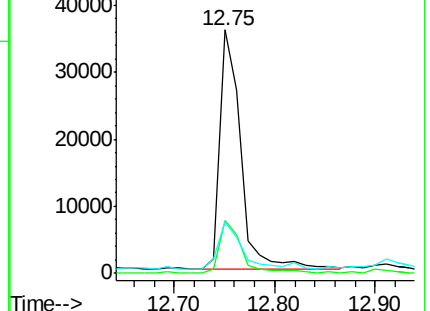
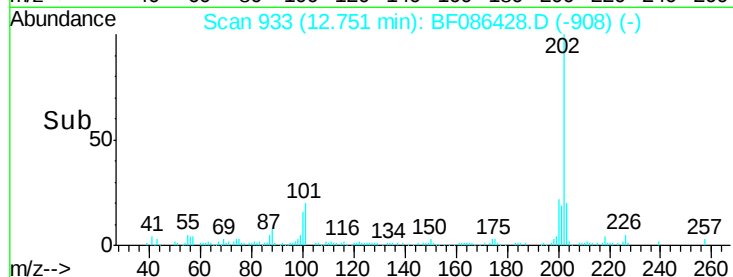
203 21.1 14.2 21.4



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: 19.71 ng

RT: 12.91 min Scan# 947

Delta R.T. 0.00 min

Lab File: BF086428.D

Acq: 27 Apr 2016 17:10

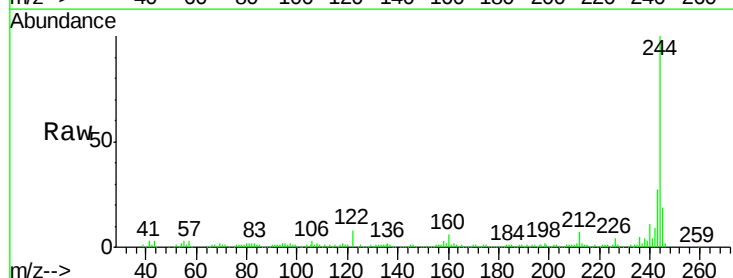
Tgt Ion:244 Resp: 252425

Ion Ratio Lower Upper

244 100

212 6.6 6.2 9.2

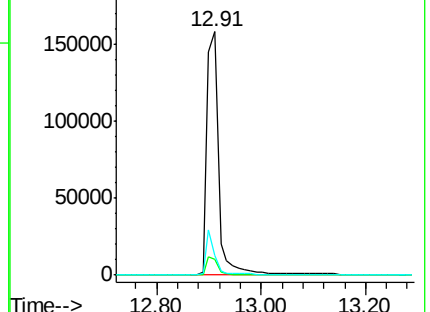
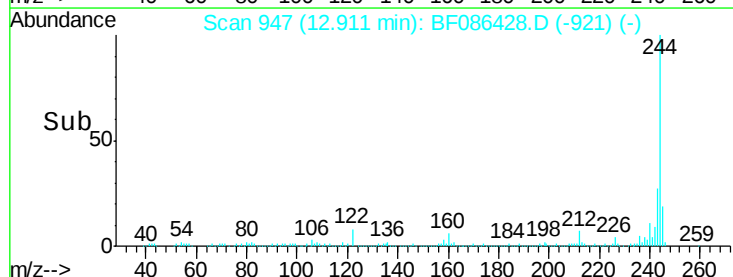
122 8.0 12.0 18.0#

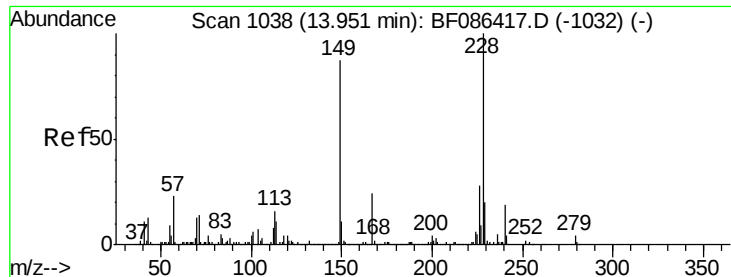


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

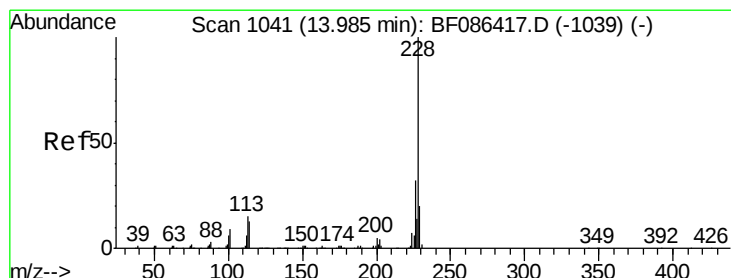
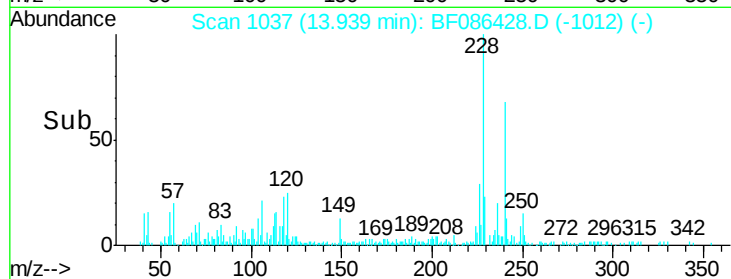
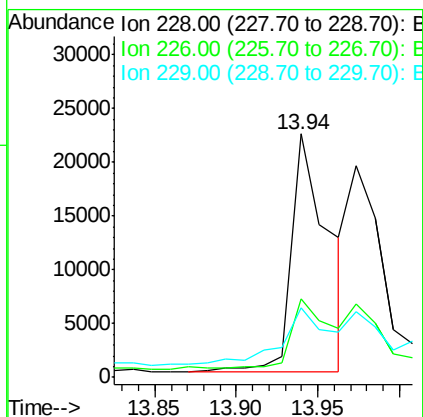
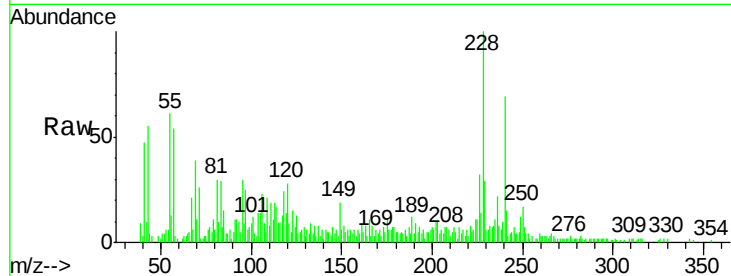




#80
Benzo(a)anthracene
Concen: 2.33 ng
RT: 13.94 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF086428.D
Acq: 27 Apr 2016 17:10

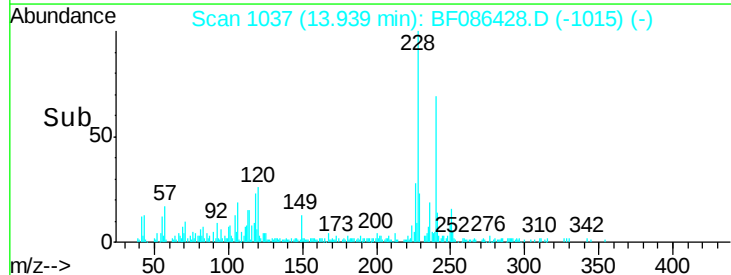
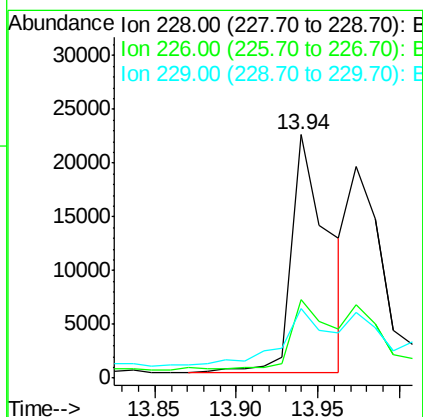
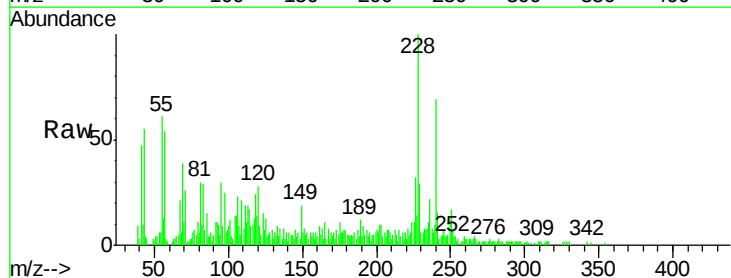
Instrument :
BNA_F
ClientSampleId :
WPG-B5(0-5)-C

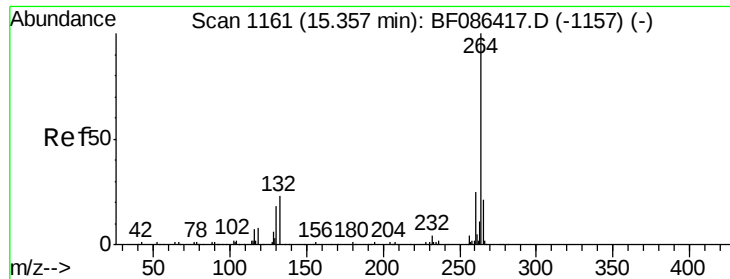
Tot Ion:228 Resp: 34975
Ion Ratio Lower Upper
228 100
226 32.5 22.5 33.7
229 28.6 16.6 25.0#



#82
Chrysene
Concen: 2.14 ng
RT: 13.94 min Scan# 1037
Delta R.T. -0.05 min
Lab File: BF086428.D
Acq: 27 Apr 2016 17:10

Tgt Ion:228 Resp: 34975
Ion Ratio Lower Upper
228 100
226 32.5 24.4 36.6
229 28.6 15.8 23.8#

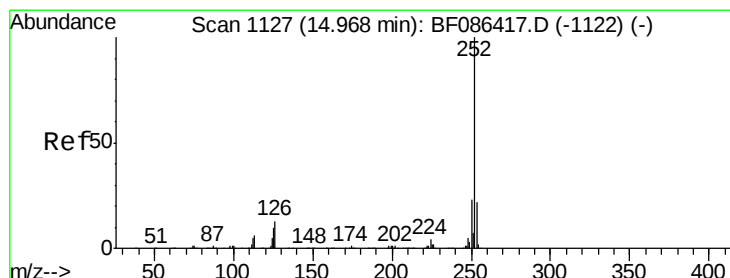
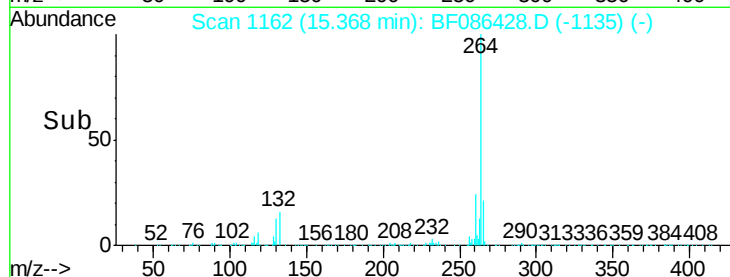
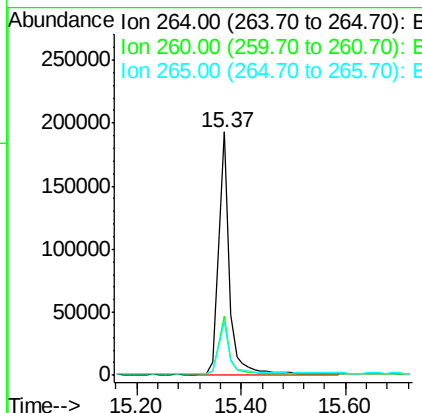
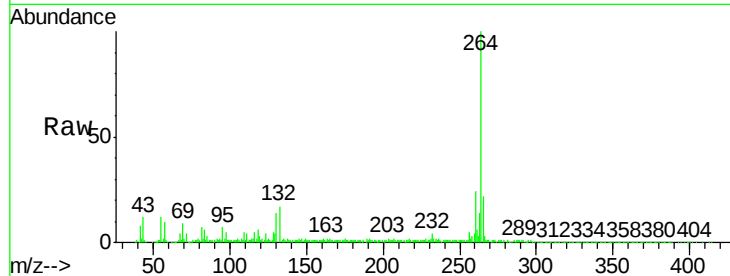




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1162
Delta R.T. 0.01 min
Lab File: BF086428.D
Acq: 27 Apr 2016 17:10

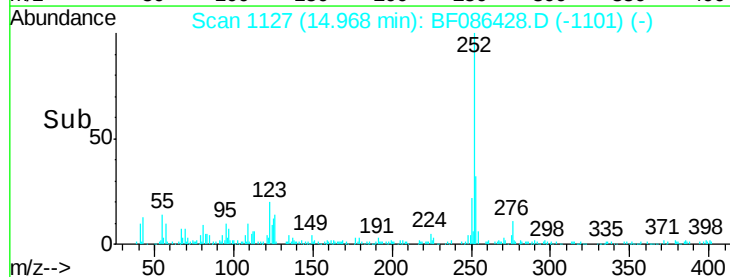
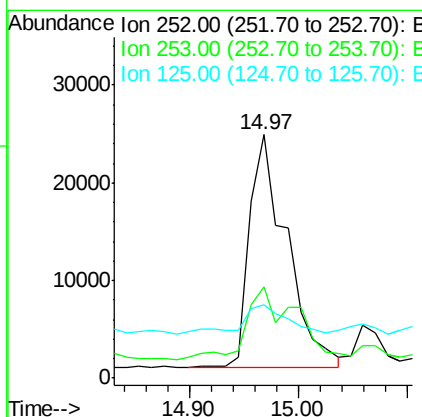
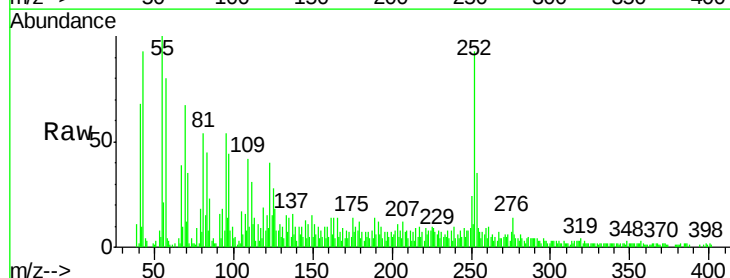
Instrument :
BNA_F
ClientSampleId :
WPG-B5(0-5)-C

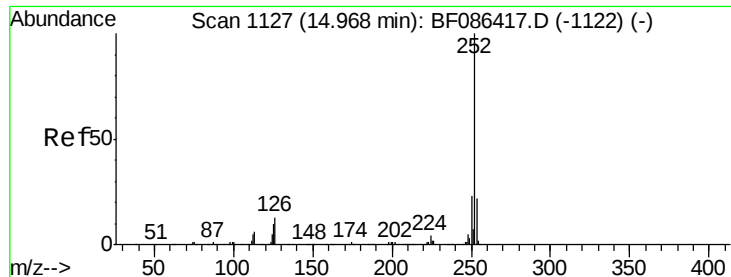
Tot Ion:264 Resp: 280215
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 22.2 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 3.44 ng
RT: 14.97 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BF086428.D
Acq: 27 Apr 2016 17:10

Tgt Ion:252 Resp: 56658
Ion Ratio Lower Upper
252 100
253 37.7 17.8 26.6#
125 30.3 11.4 17.0#





#88

Benzo(k)fluoranthene

Concen: 3.30 ng

RT: 14.97 min Scan# 1127

Delta R.T. -0.02 min

Lab File: BF086428.D

Acq: 27 Apr 2016 17:10

Instrument :

BNA_F

ClientSampleId :

WPG-B5(0-5)-C

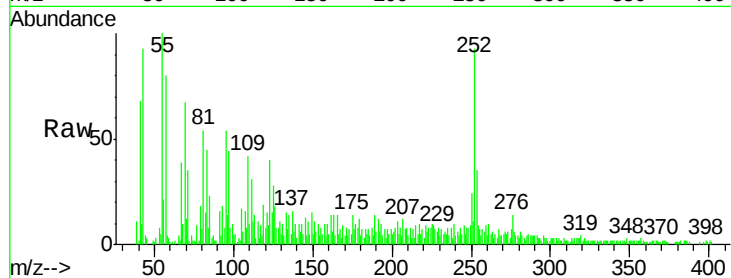
Tot Ion:252 Resp: 56658

Ion Ratio Lower Upper

252 100

253 37.7 17.8 26.6#

125 30.3 9.1 13.7#



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

