

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042216\
 Data File : BF086405.D
 Acq On : 23 Apr 2016 22:19
 Operator : UM/SJ
 Sample : H2652-03
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B10(5-8.5)-C

Quant Time: Apr 25 00:58:08 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	168587	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	663650	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	282260	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	469339	20.00	ng	0.00
75) Chrysene-d12	14.00	240	348714	20.00	ng	0.00
86) Perylene-d12	15.41	264	257177	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1038379	106.37	ng	0.02
7) Phenol-d6	6.49	99	1370475	103.26	ng	0.01
23) Nitrobenzene-d5	7.41	82	833407	74.39	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	237062	92.78	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1351835	81.73	ng	0.00
78) Terphenyl-d14	12.94	244	949800	67.67	ng	0.00

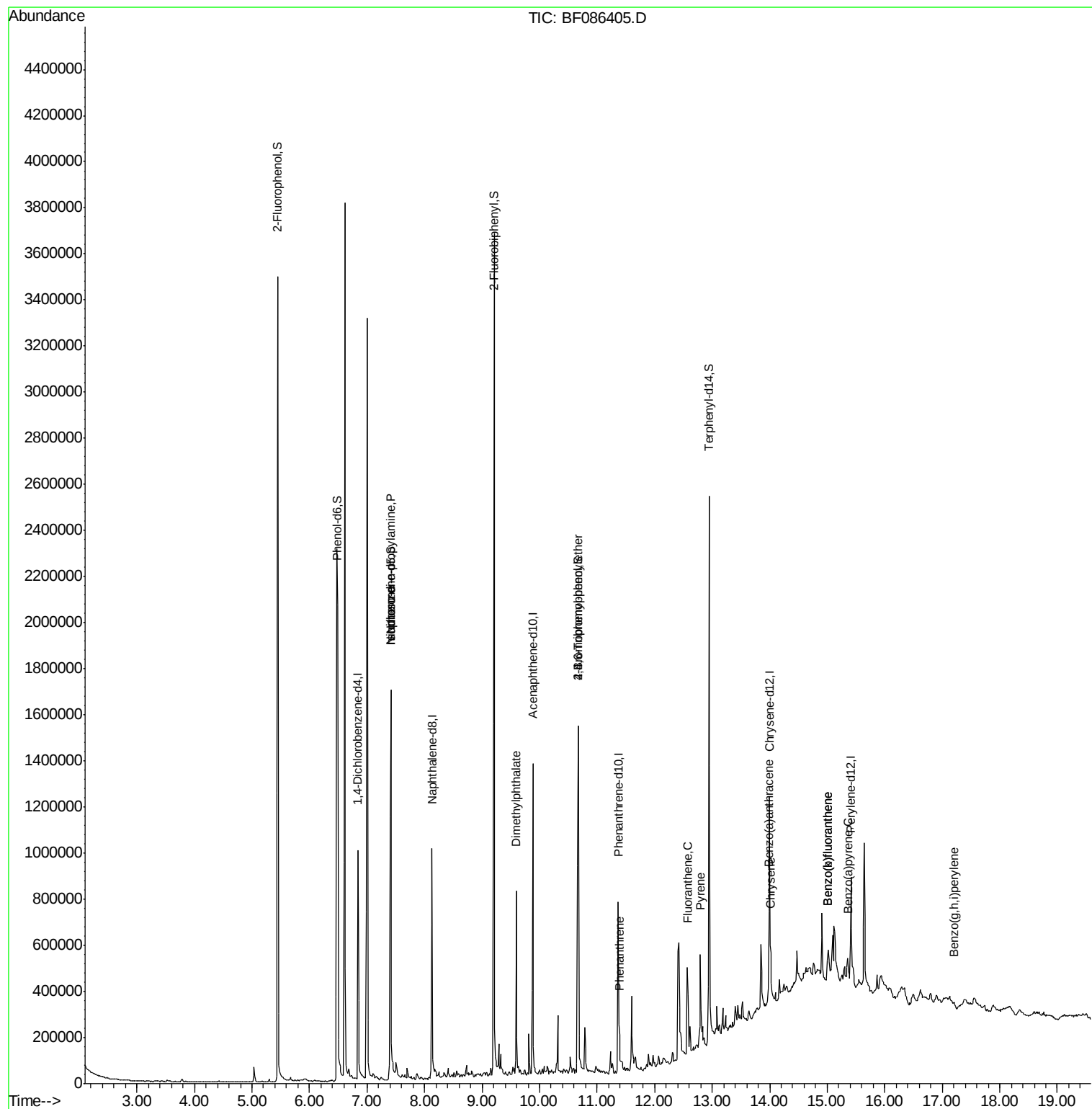
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	111842	14.10	ng	# 75
25) Isophorone	7.41	82	770300	35.08	ng	# 68
49) Dimethylphthalate	9.60	163	305571	14.99	ng	99
66) 4-Bromophenyl-phenylether	10.67	248	15073	3.28	ng	# 1
70) Phenanthrene	11.39	178	71234	3.02	ng	99
74) Fluoranthene	12.57	202	209172	8.22	ng	95
77) Pyrene	12.80	202	190904	7.85	ng	97
80) Benzo(a)anthracene	13.99	228	81606	4.51	ng	99
82) Chrysene	14.02	228	69116	3.39	ng	98
87) Benzo(b)fluoranthene	15.01	252	108155	7.66	ng	# 93
88) Benzo(k)fluoranthene	15.01	252	108155	7.81	ng	# 91
89) Benzo(a)pyrene	15.36	252	52481	3.77	ng	# 86
91) Benzo(g,h,i)perylene	17.21	276	32652	2.75	ng	93

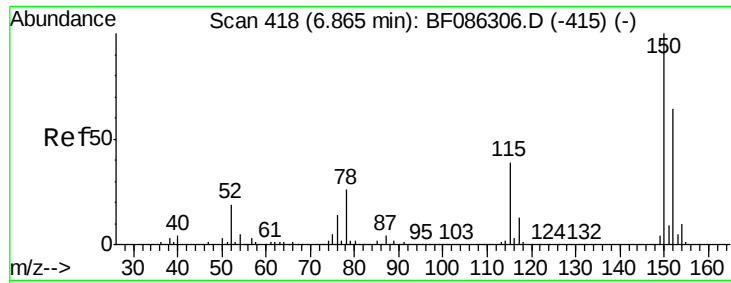
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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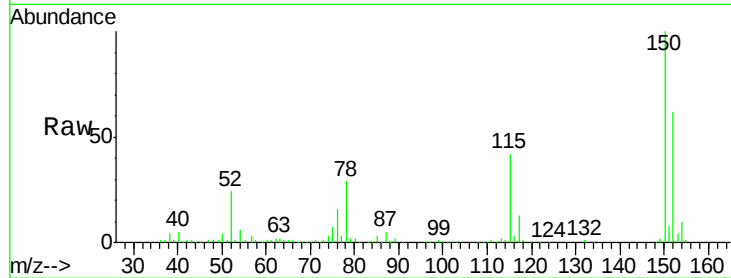


#1

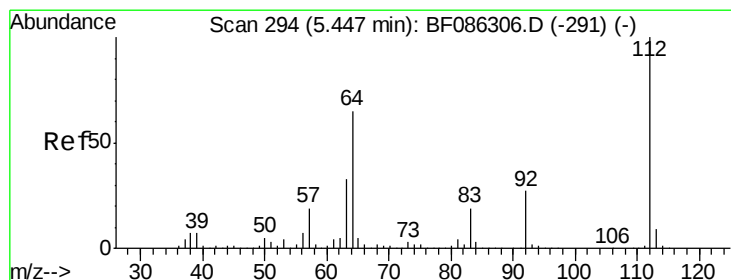
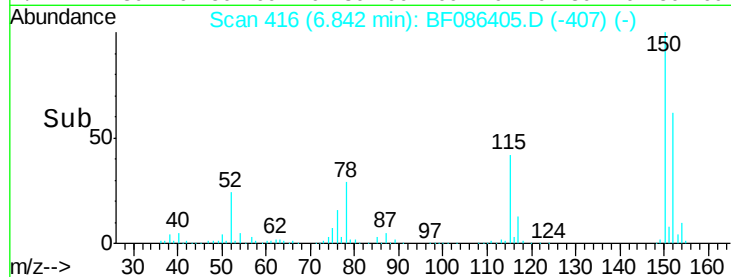
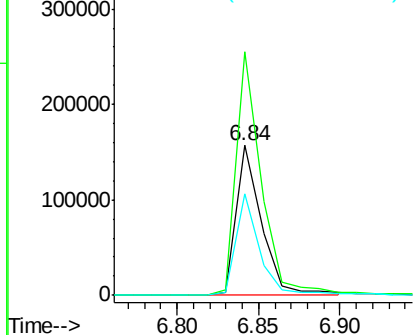
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 416
Delta R.T. -0.00 min
Lab File: BF086405.D
Acq: 23 Apr 2016 22:19

Instrument :
BNA_F
ClientSampleId :
WPG-B10(5-8.5)-C

Tgt Ion:152 Resp: 168587
Ion Ratio Lower Upper
152 100
150 162.6 125.8 188.6
115 67.9 51.5 77.3



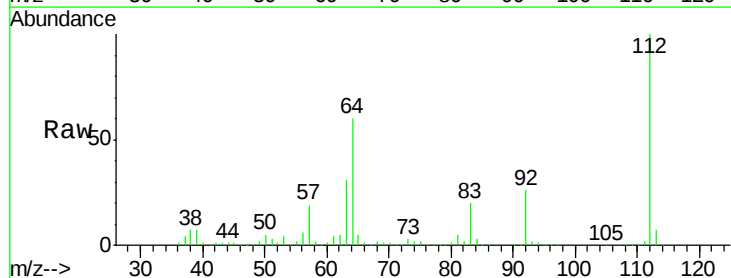
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



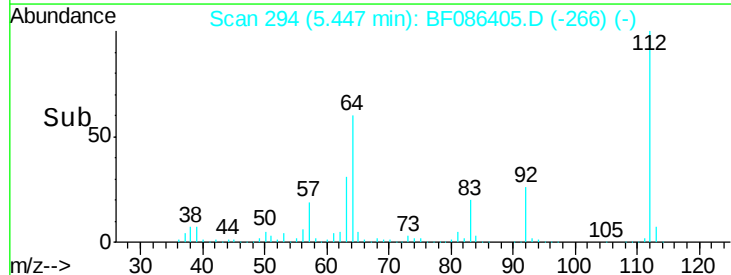
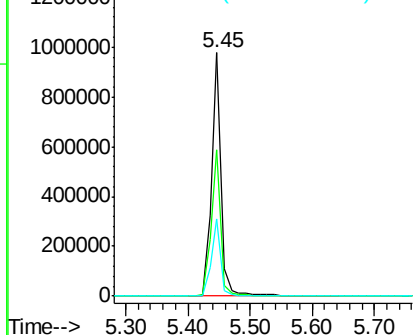
#5

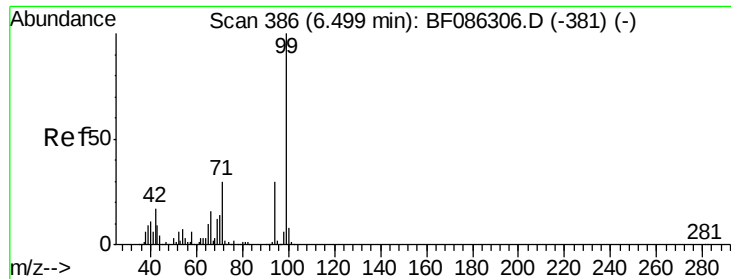
2-Fluorophenol
Concen: 106.37 ng
RT: 5.45 min Scan# 294
Delta R.T. 0.02 min
Lab File: BF086405.D
Acq: 23 Apr 2016 22:19

Tgt Ion:112 Resp: 1038379
Ion Ratio Lower Upper
112 100
64 60.2 52.1 78.1
63 31.5 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 103.26 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.01 min

Lab File: BF086405.D

Acq: 23 Apr 2016 22:19

Instrument :

BNA_F

ClientSampleId :

WPG-B10(5-8.5)-C

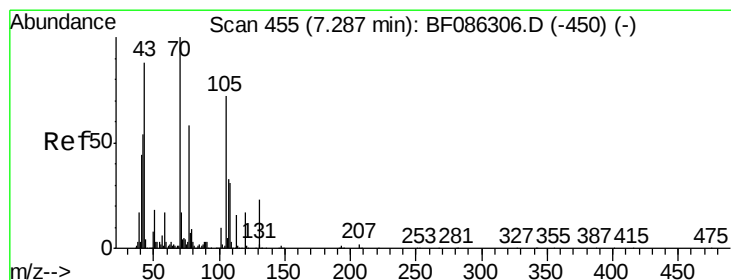
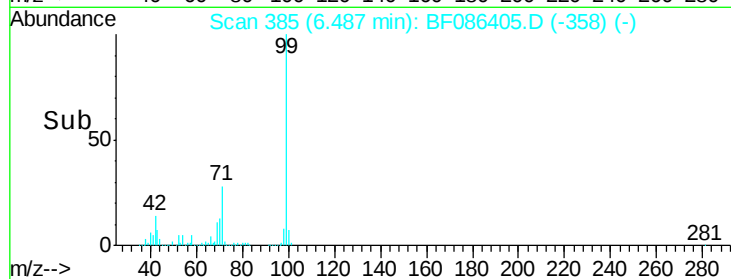
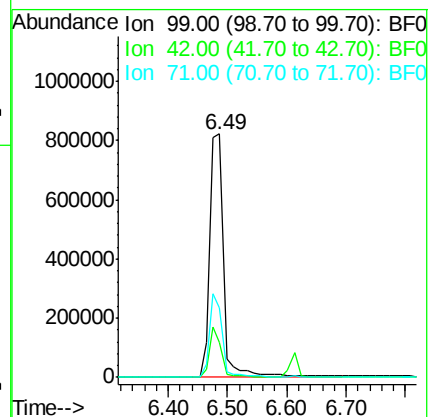
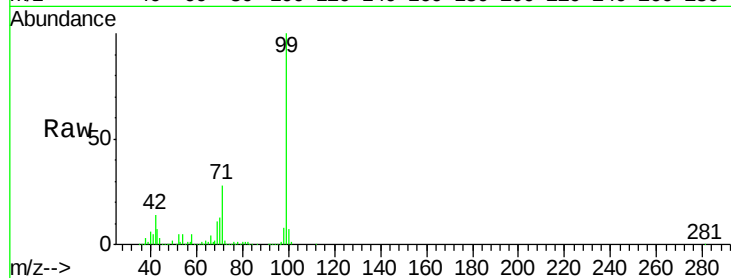
Tgt Ion: 99 Resp: 1370475

Ion Ratio Lower Upper

99 100

42 14.3 13.6 20.4

71 28.5 24.6 36.8



#19

n-Nitroso-di-n-propylamine

Concen: 14.10 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.15 min

Lab File: BF086405.D

Acq: 23 Apr 2016 22:19

Tgt Ion: 70 Resp: 111842

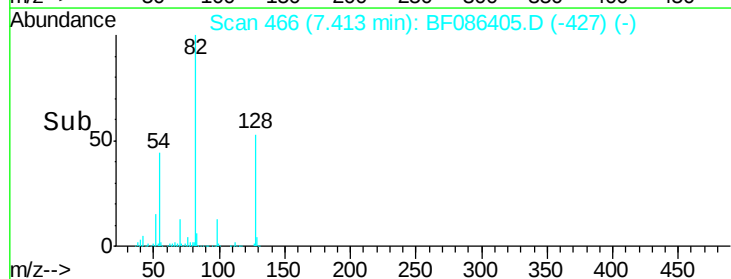
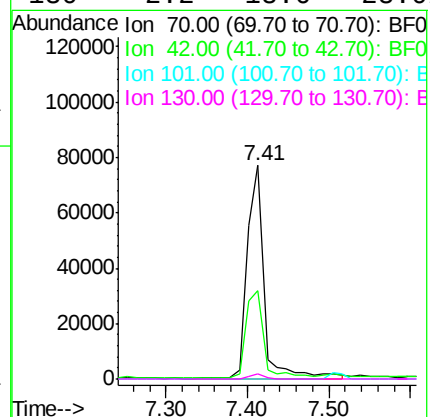
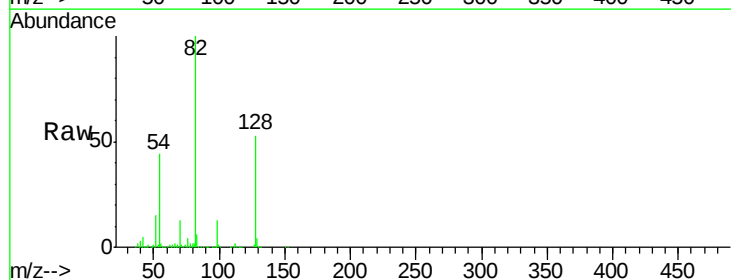
Ion Ratio Lower Upper

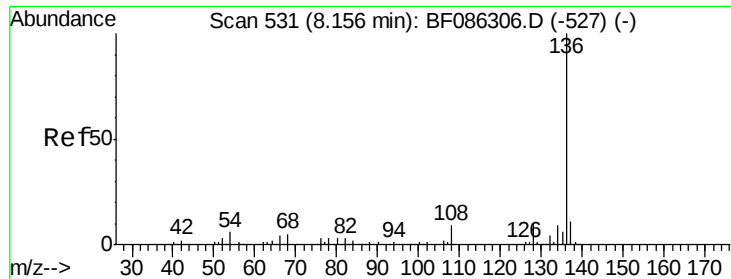
70 100

42 41.6 43.1 64.7#

101 0.0 8.1 12.1#

130 2.2 18.6 28.0#

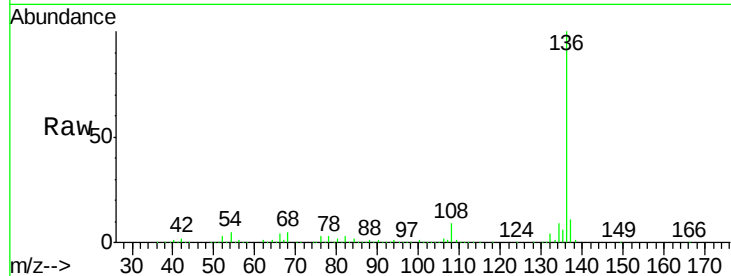




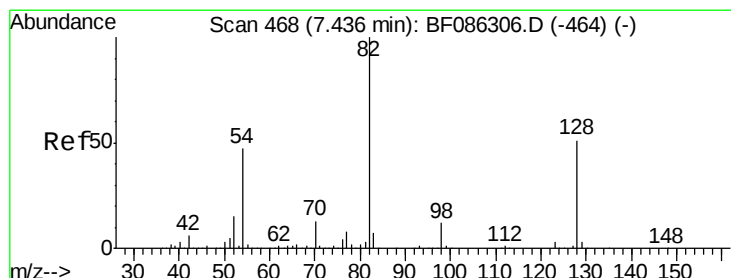
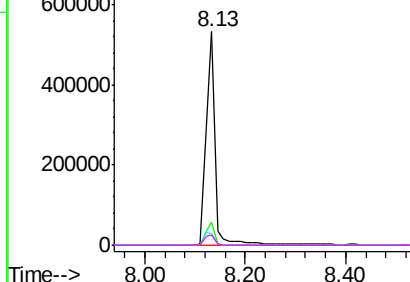
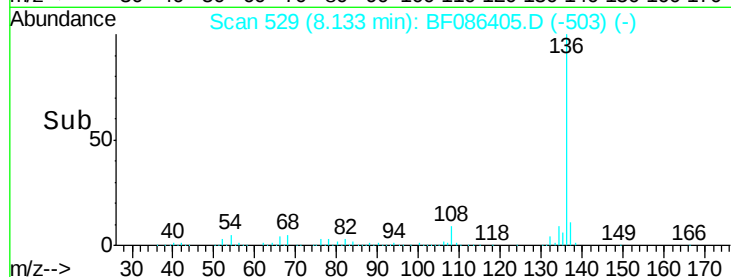
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.00 min
Lab File: BF086405.D
Acq: 23 Apr 2016 22:19

Instrument :
BNA_F
ClientSampleId :
WPG-B10(5-8.5)-C

Tgt Ion:	136	Resp:	663650
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	5.3	5.0	7.4
68	4.8	4.4	6.6

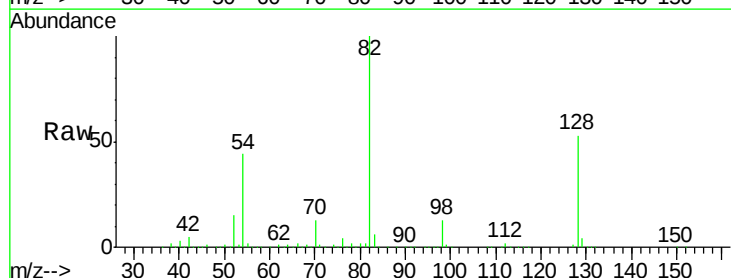


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

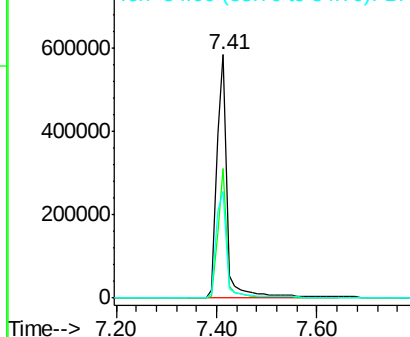
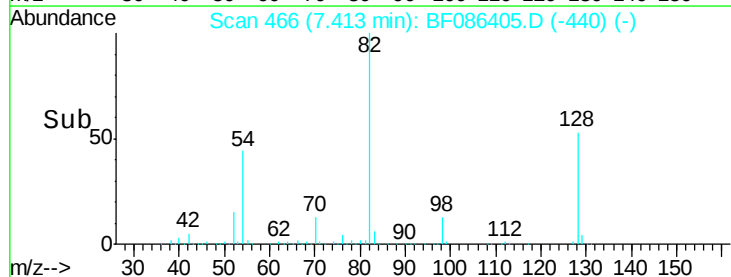


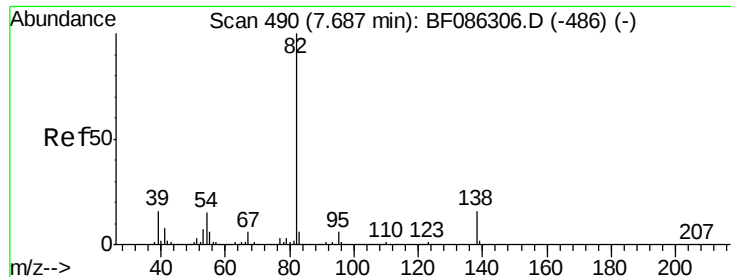
#23
Nitrobenzene-d5
Concen: 74.39 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.00 min
Lab File: BF086405.D
Acq: 23 Apr 2016 22:19

Tgt Ion:	82	Resp:	833407
Ion	Ratio	Lower	Upper
82	100		
128	53.4	40.6	61.0
54	44.0	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: 35.08 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.25 min

Lab File: BF086405.D

Acq: 23 Apr 2016 22:19

Instrument :

BNA_F

ClientSampleId :

WPG-B10(5-8.5)-C

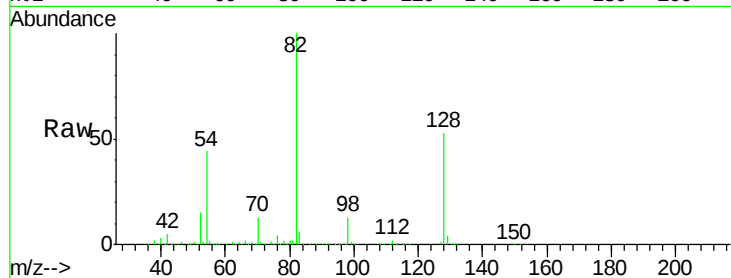
Tgt Ion: 82 Resp: 770300

Ion Ratio Lower Upper

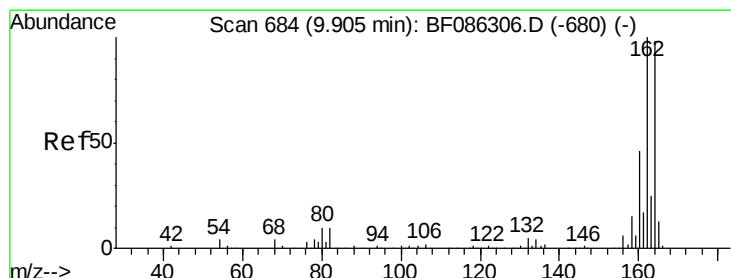
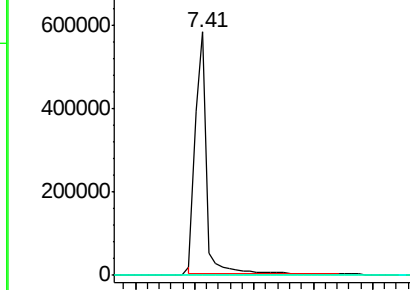
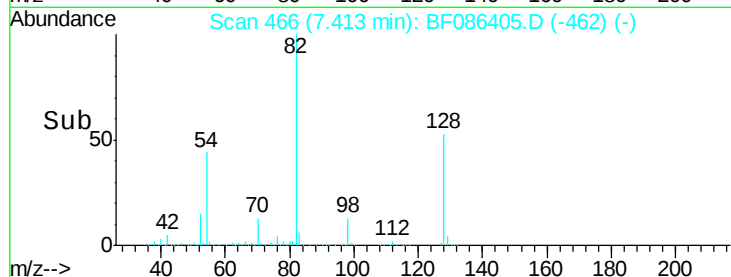
82 100

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: 9.88 min Scan# 682

Delta R.T. -0.00 min

Lab File: BF086405.D

Acq: 23 Apr 2016 22:19

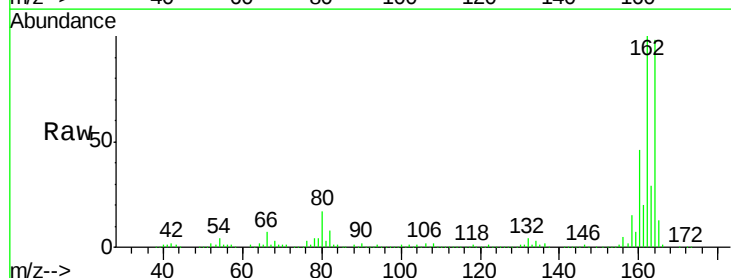
Tgt Ion: 164 Resp: 282260

Ion Ratio Lower Upper

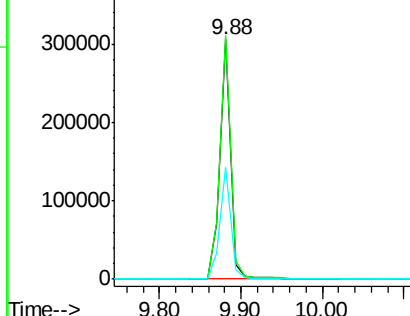
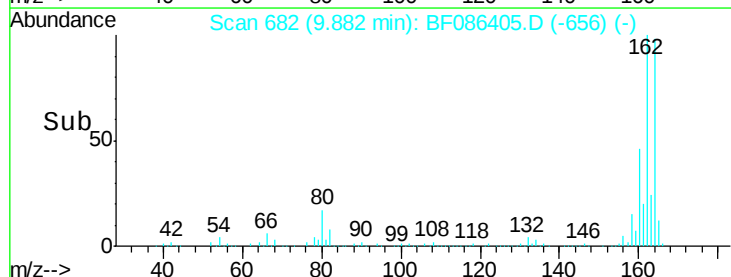
164 100

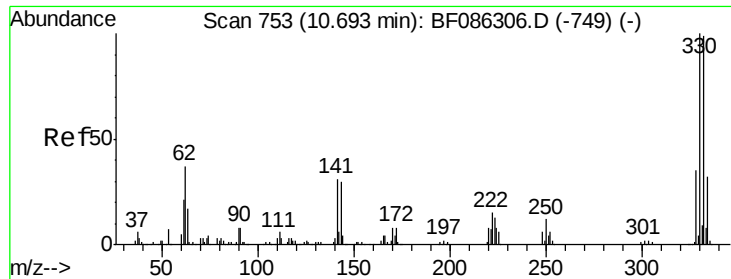
162 101.7 82.8 124.2

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

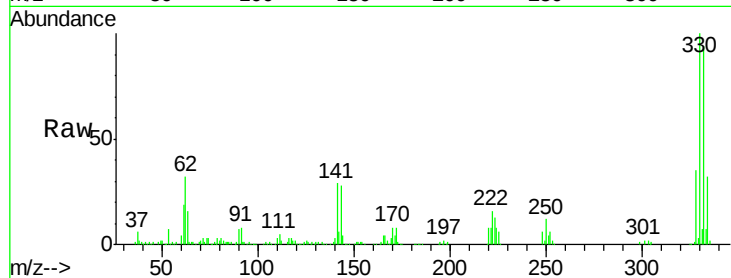




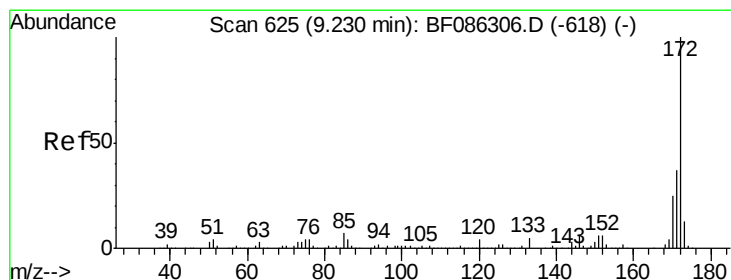
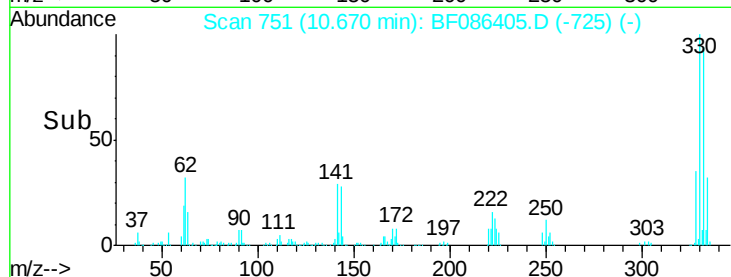
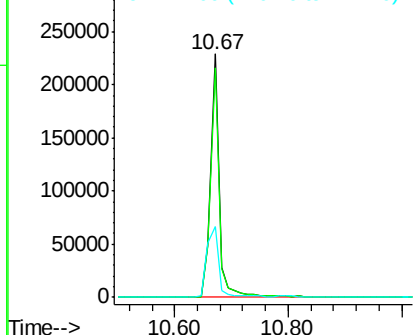
#41
 2,4,6-Tribromophenol
 Concen: 92.78 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: BF086405.D
 Acq: 23 Apr 2016 22:19

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B10(5-8.5)-C

Tgt Ion:330 Resp: 237062
 Ion Ratio Lower Upper
 330 100
 332 95.6 79.0 118.4
 141 40.3 31.2 46.8

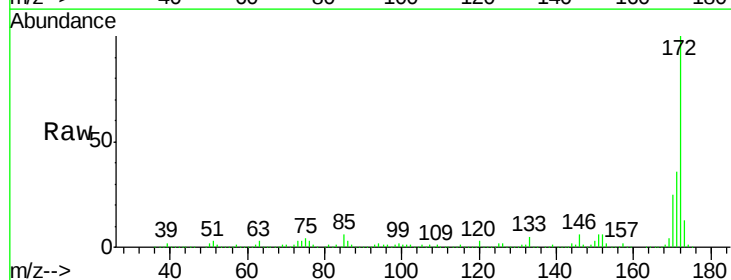


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

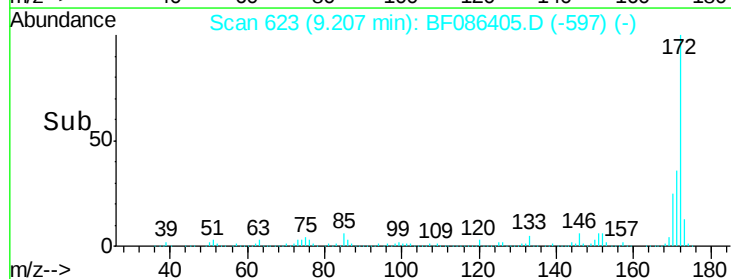
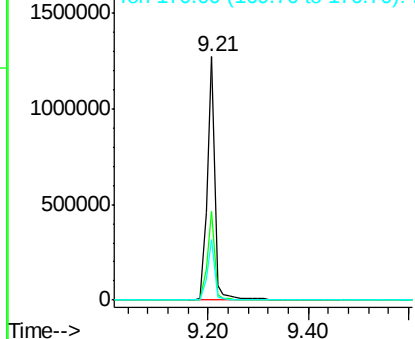


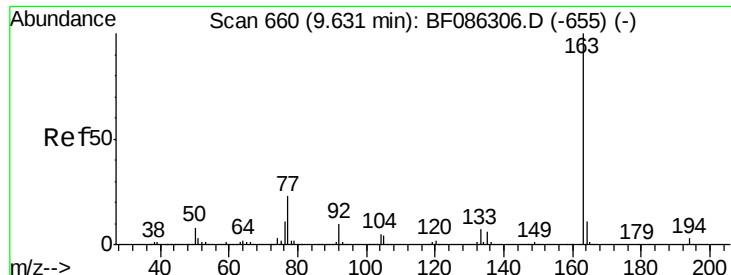
#44
 2-Fluorobiphenyl
 Concen: 81.73 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: BF086405.D
 Acq: 23 Apr 2016 22:19

Tgt Ion:172 Resp: 1351835
 Ion Ratio Lower Upper
 172 100
 171 36.3 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: 14.99 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.01 min

Lab File: BF086405.D

Acq: 23 Apr 2016 22:19

Instrument :

BNA_F

ClientSampleId :

WPG-B10(5-8.5)-C

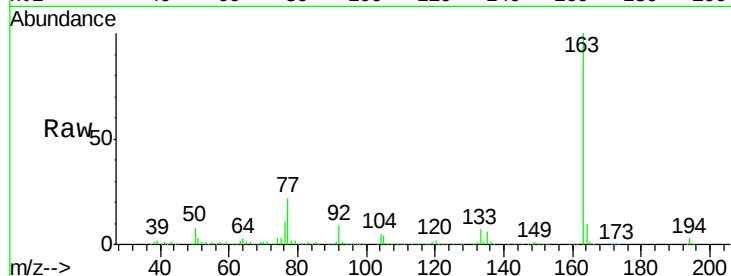
Tgt Ion:163 Resp: 305571

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

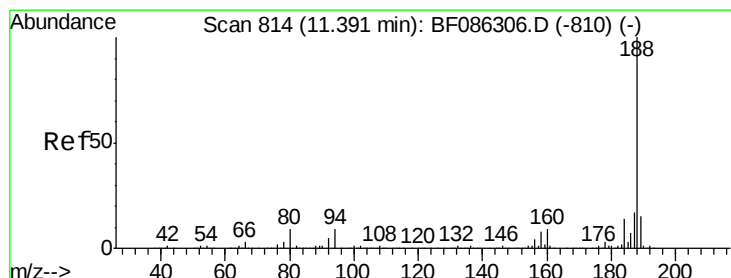
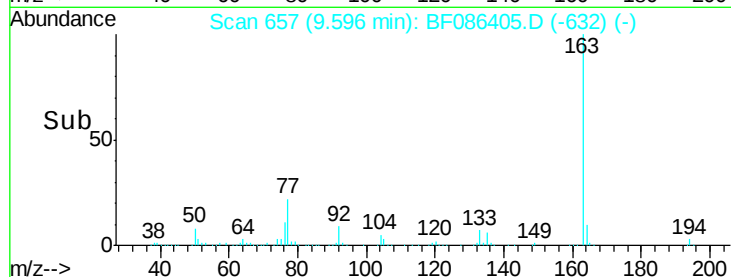
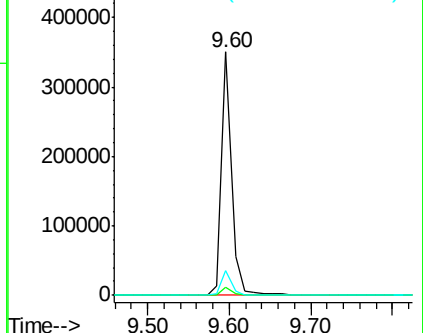
164 10.0 8.2 12.4



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: 11.37 min Scan# 812

Delta R.T. -0.00 min

Lab File: BF086405.D

Acq: 23 Apr 2016 22:19

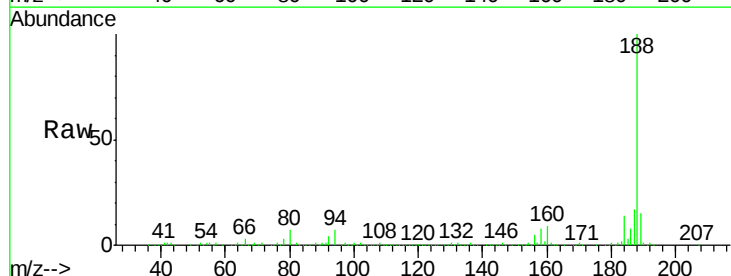
Tgt Ion:188 Resp: 469339

Ion Ratio Lower Upper

188 100

94 7.2 6.8 10.2

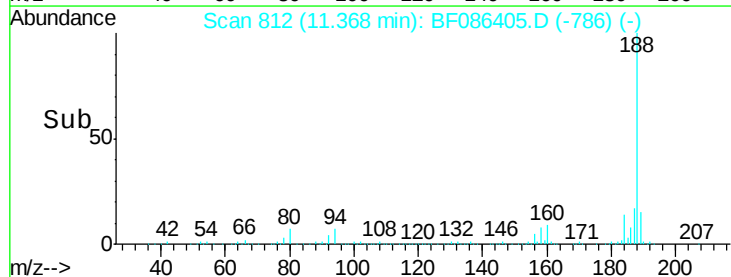
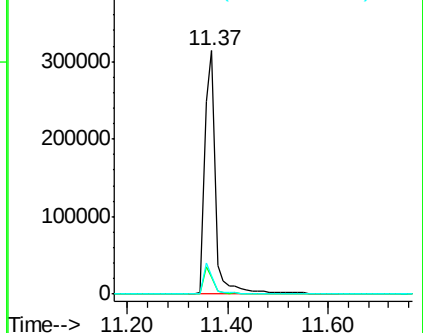
80 7.3 7.1 10.7

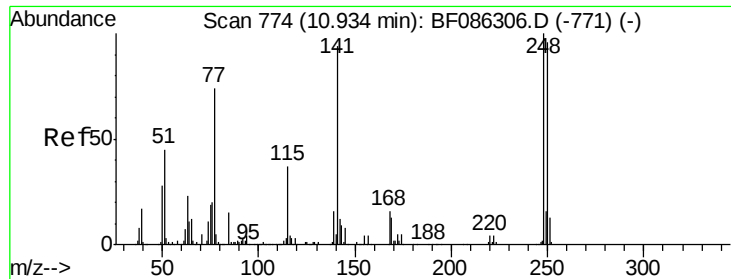


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

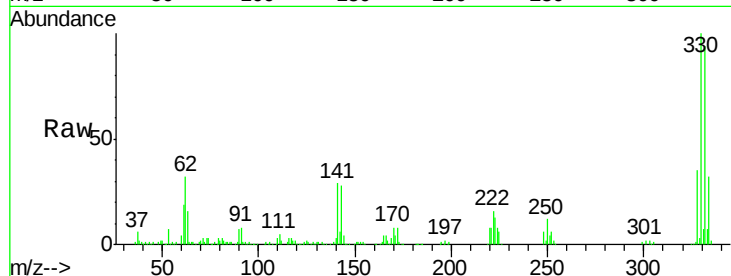




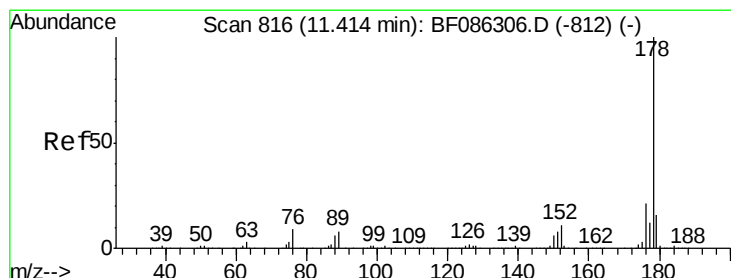
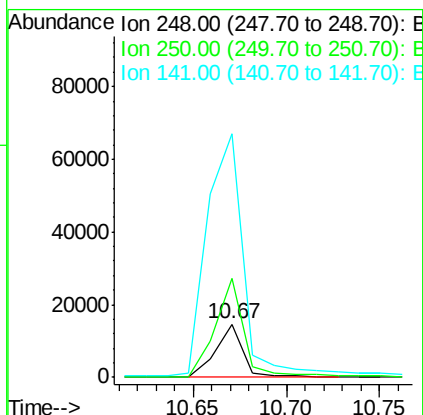
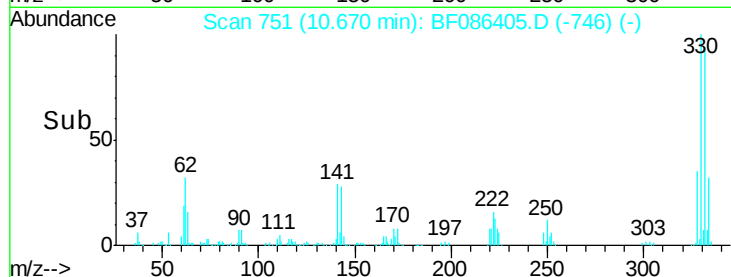
#66
4-Bromophenyl-phenylether
Concen: 3.28 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.24 min
Lab File: BF086405.D
Acq: 23 Apr 2016 22:19

Instrument :
BNA_F
ClientSampleId :
WPG-B10(5-8.5)-C

Tgt Ion:248 Resp: 15073
Ion Ratio Lower Upper
248 100
250 185.4 78.6 117.8#
141 456.5 76.0 114.0#

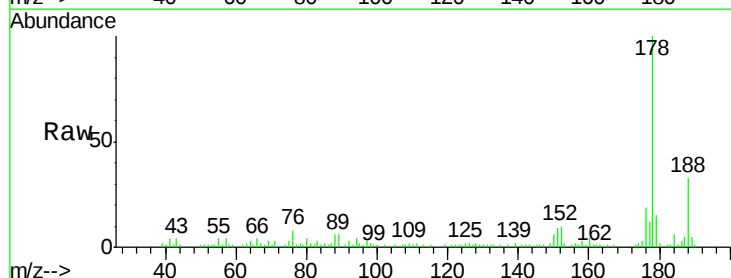


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

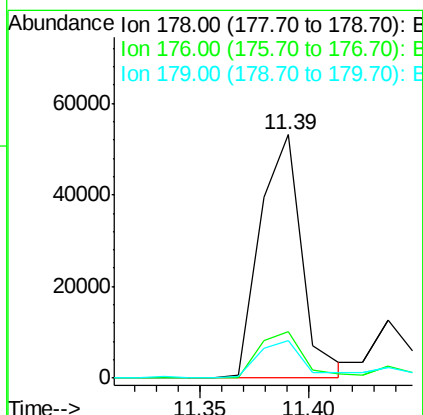
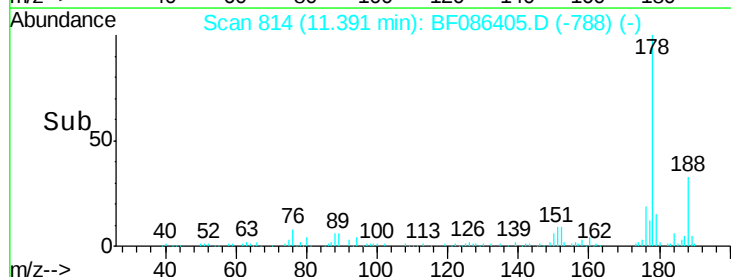


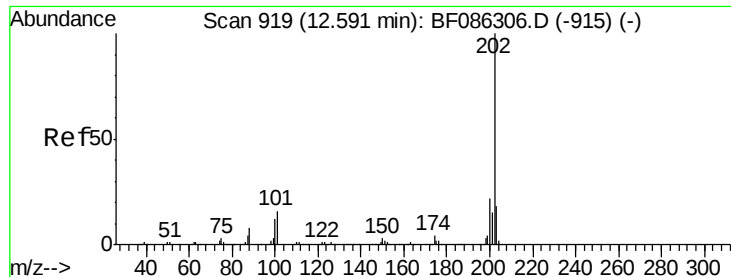
#70
Phenanthrene
Concen: 3.02 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF086405.D
Acq: 23 Apr 2016 22:19

Tgt Ion:178 Resp: 71234
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.3 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

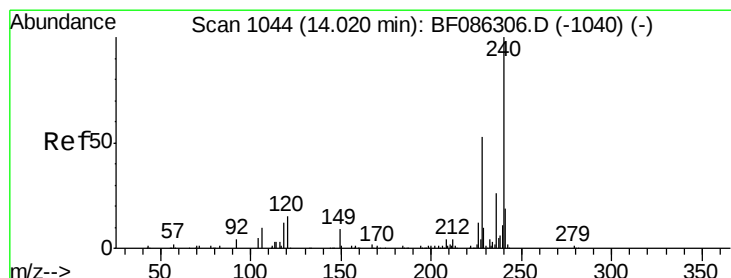
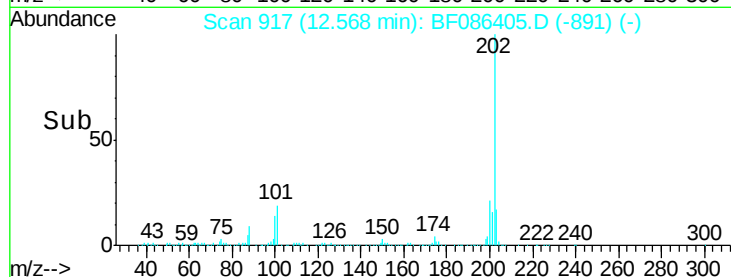
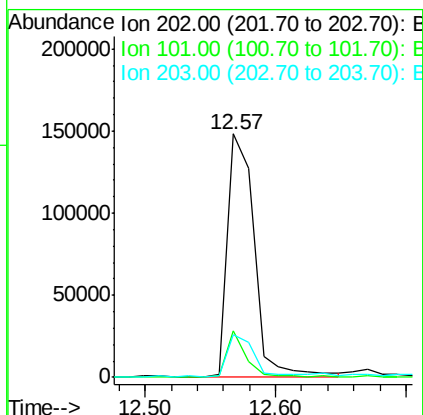
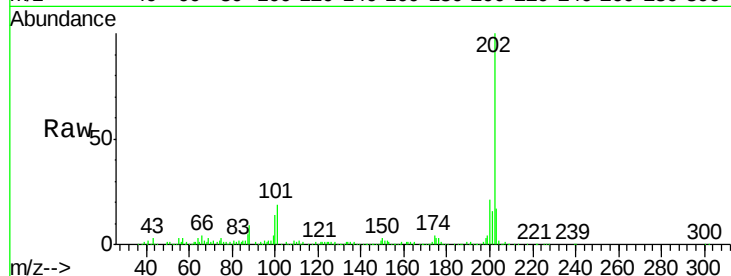




#74
 Fluoranthene
 Concen: 8.22 ng
 RT: 12.57 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: BF086405.D
 Acq: 23 Apr 2016 22:19

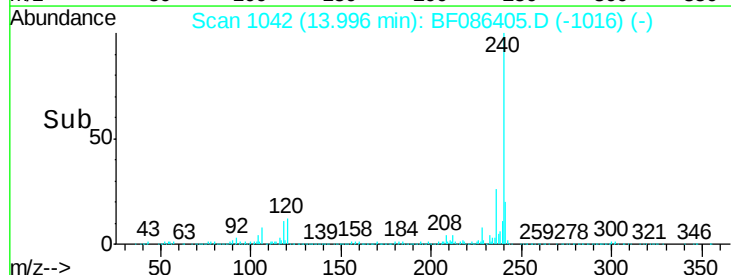
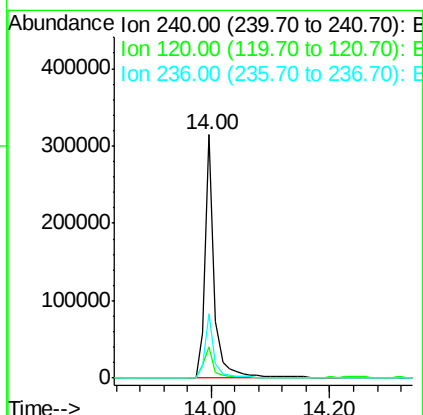
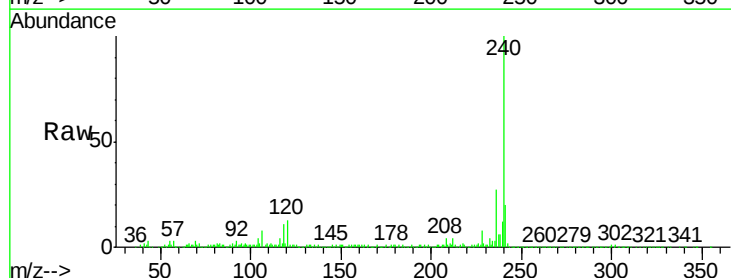
Instrument :
 BNA_F
 ClientSampleId :
 WPG-B10(5-8.5)-C

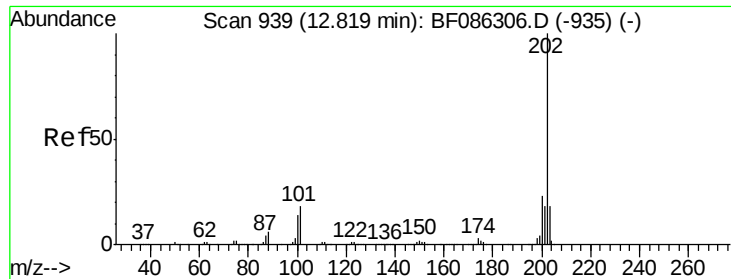
Tgt Ion	Ratio	Lower	Upper
202	100		
101	19.0	0.0	35.4
203	17.5	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.00 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: BF086405.D
 Acq: 23 Apr 2016 22:19

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.6	11.2	16.8
236	26.5	21.2	31.8





#77

Pyrene

Concen: 7.85 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.00 min

Lab File: BF086405.D

Acq: 23 Apr 2016 22:19

Instrument :

BNA_F

ClientSampleId :

WPG-B10(5-8.5)-C

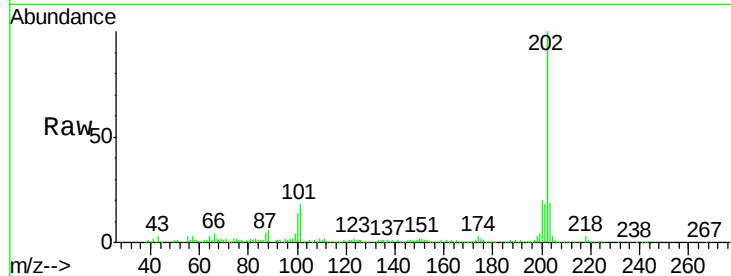
Tgt Ion:202 Resp: 190904

Ion Ratio Lower Upper

202 100

200 20.4 17.7 26.5

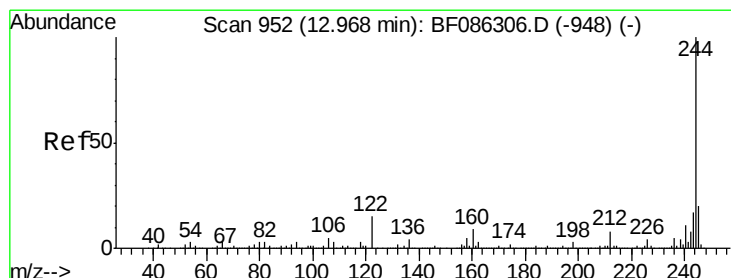
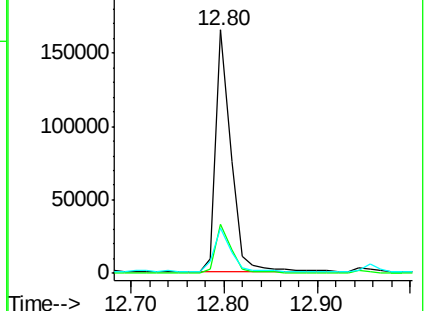
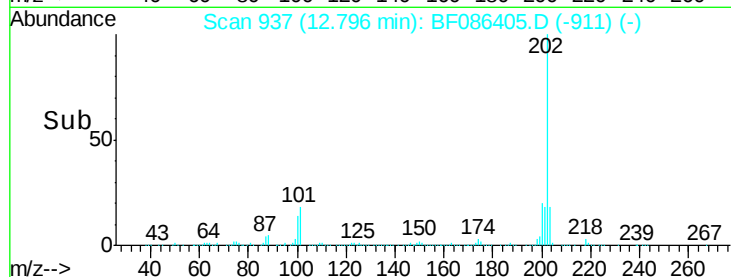
203 18.8 14.2 21.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 67.67 ng

RT: 12.94 min Scan# 950

Delta R.T. -0.00 min

Lab File: BF086405.D

Acq: 23 Apr 2016 22:19

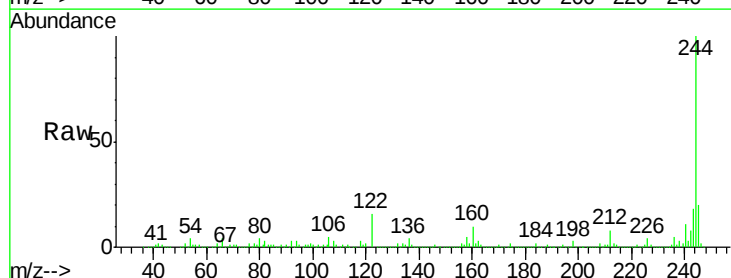
Tgt Ion:244 Resp: 949800

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

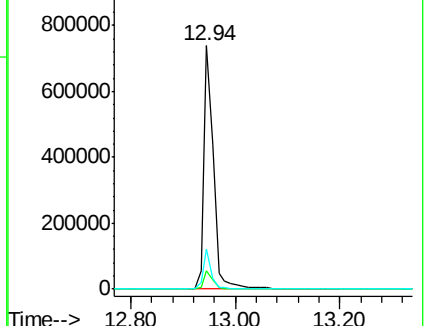
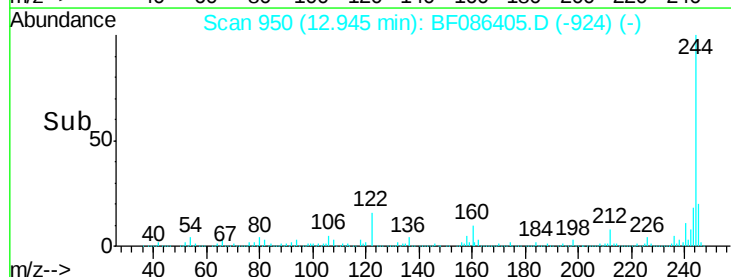
122 16.2 12.0 18.0

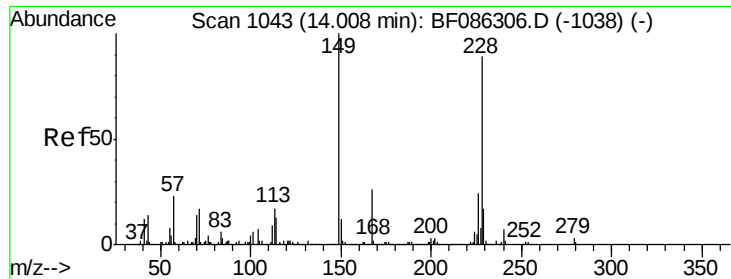


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

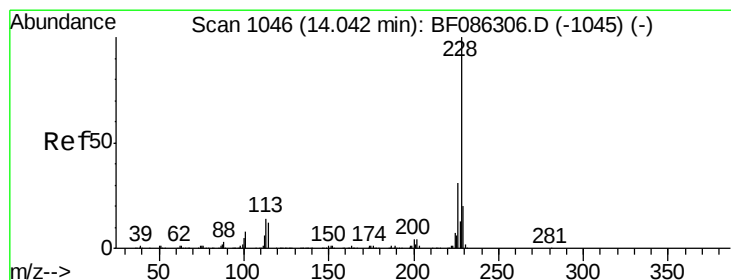
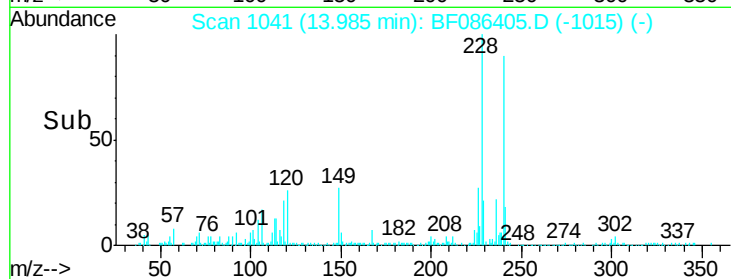
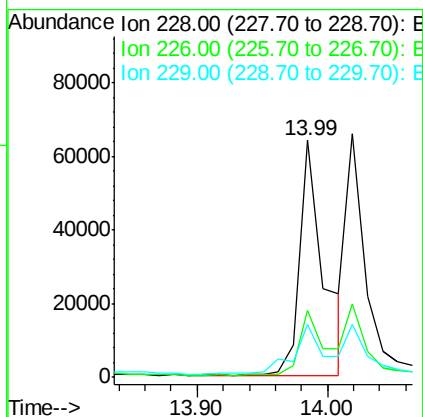
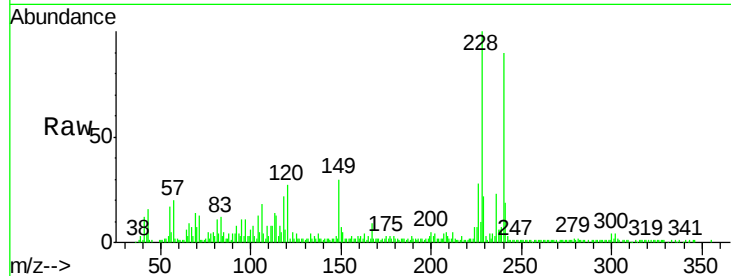




#80
Benzo(a)anthracene
Concen: 4.51 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BF086405.D
Acq: 23 Apr 2016 22:19

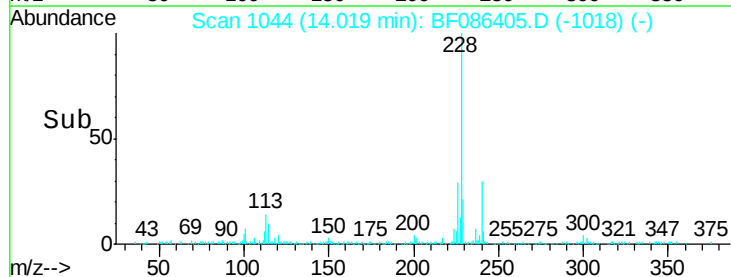
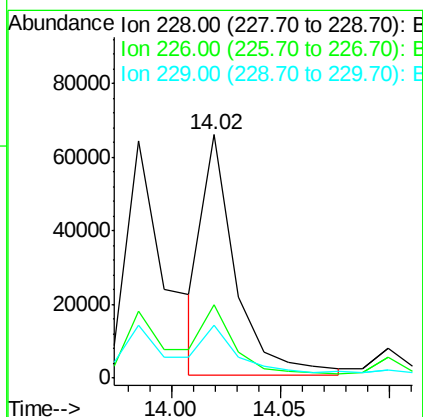
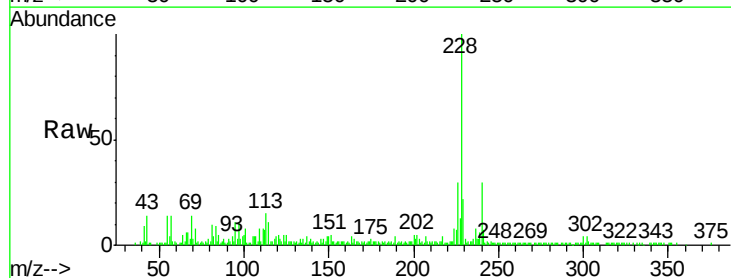
Instrument :
BNA_F
ClientSampleId :
WPG-B10(5-8.5)-C

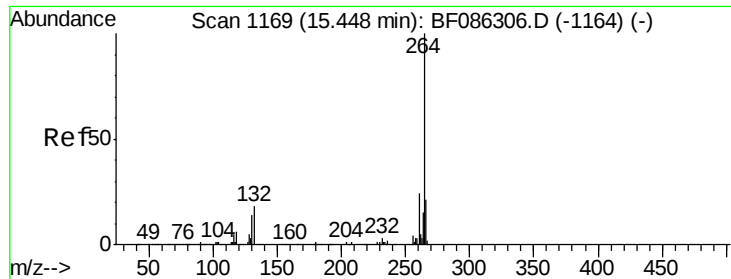
Tgt Ion:228 Resp: 81606
Ion Ratio Lower Upper
228 100
226 28.0 22.5 33.7
229 22.2 16.6 25.0



#82
Chrysene
Concen: 3.39 ng
RT: 14.02 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BF086405.D
Acq: 23 Apr 2016 22:19

Tgt Ion:228 Resp: 69116
Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 21.9 15.8 23.8

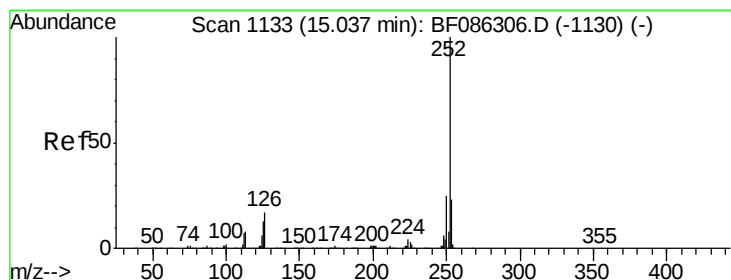
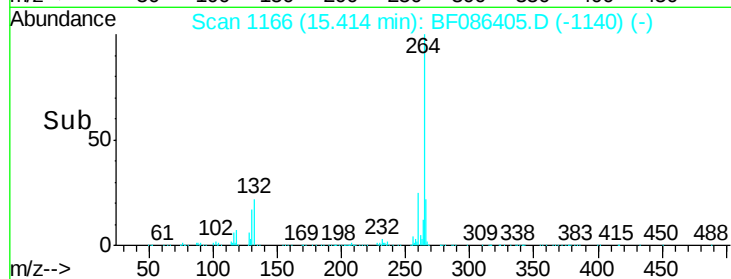
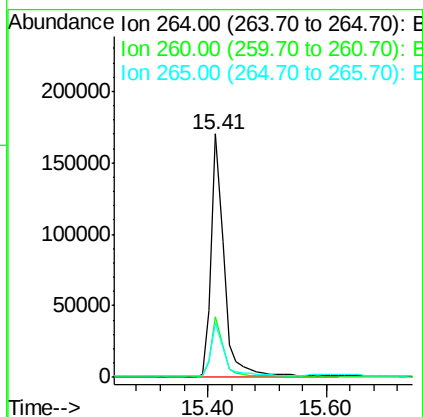
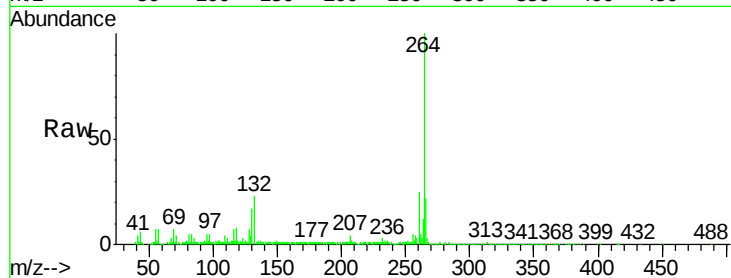




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BF086405.D
Acq: 23 Apr 2016 22:19

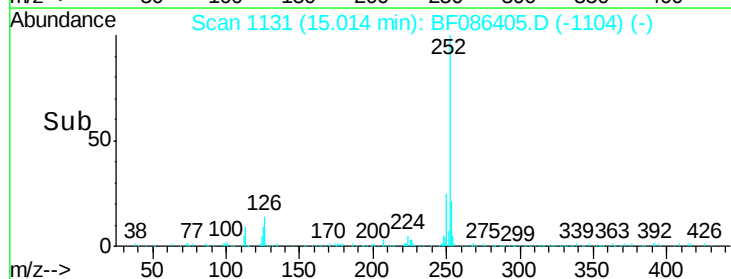
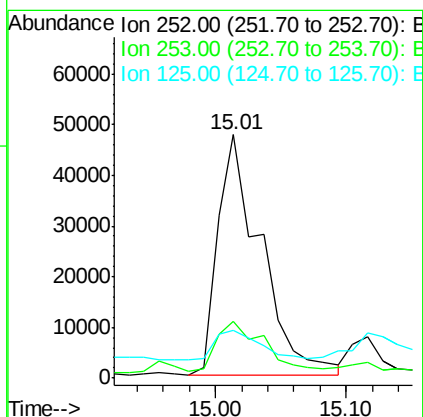
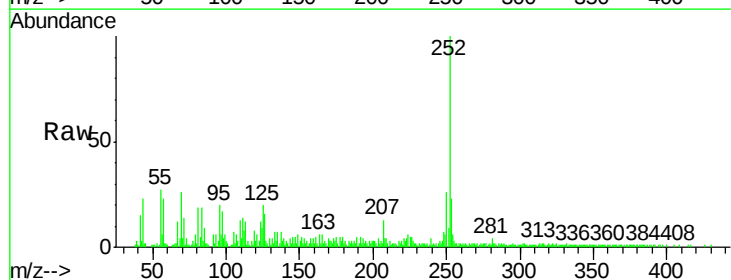
Instrument :
BNA_F
ClientSampleId :
WPG-B10(5-8.5)-C

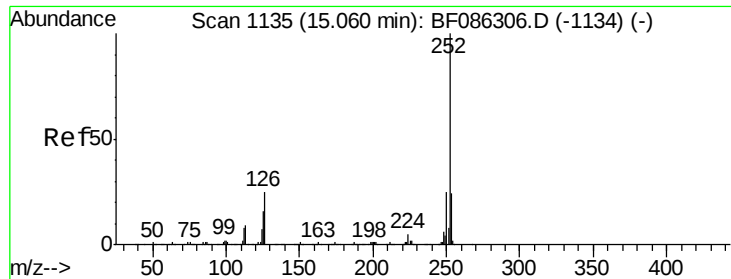
Tgt Ion: 264 Resp: 257177
Ion Ratio Lower Upper
264 100
260 25.0 19.5 29.3
265 22.0 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 7.66 ng
RT: 15.01 min Scan# 1131
Delta R.T. 0.01 min
Lab File: BF086405.D
Acq: 23 Apr 2016 22:19

Tgt Ion: 252 Resp: 108155
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 19.8 11.4 17.0#

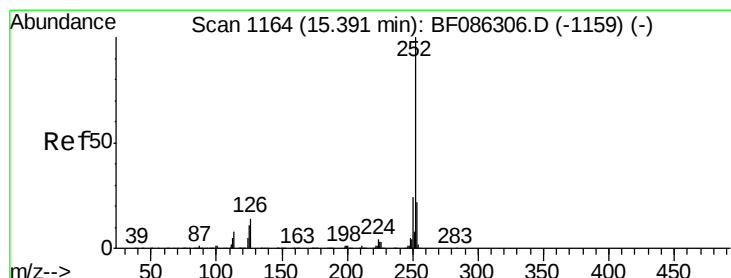
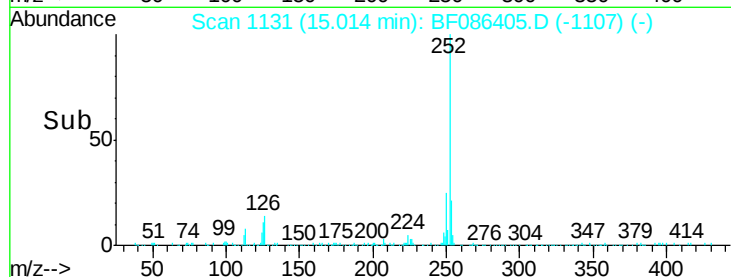
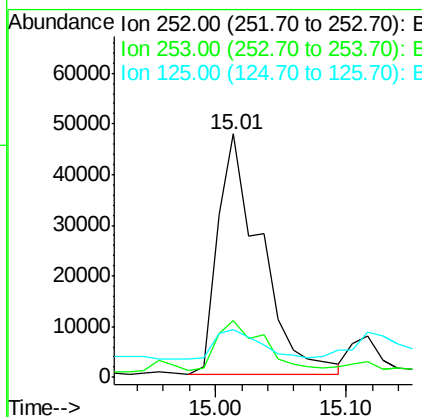
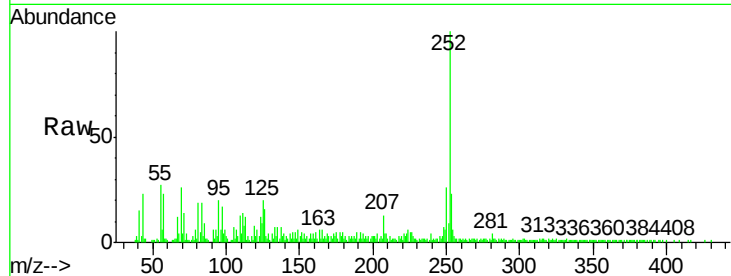




#88
Benzo(k)fluoranthene
Concen: 7.81 ng
RT: 15.01 min Scan# 1131
Delta R.T. -0.02 min
Lab File: BF086405.D
Acq: 23 Apr 2016 22:19

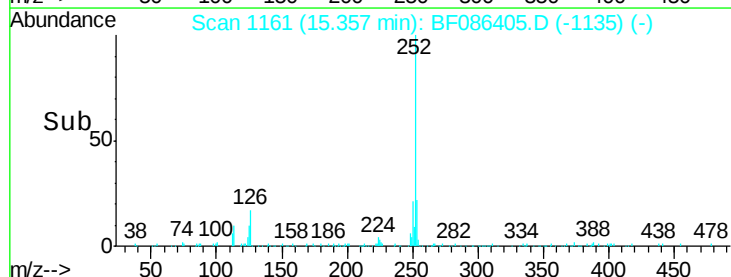
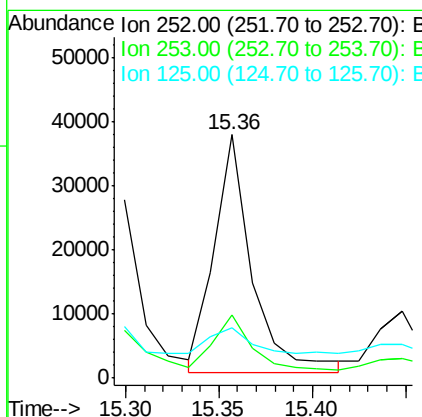
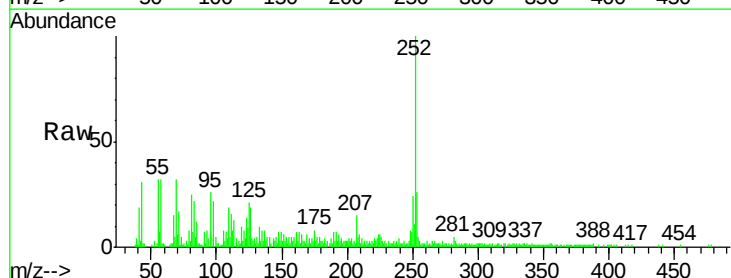
Instrument :
BNA_F
ClientSampleId :
WPG-B10(5-8.5)-C

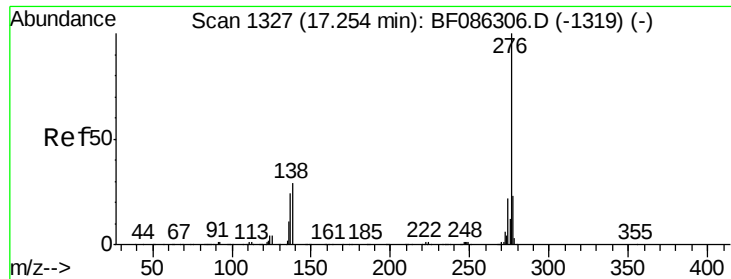
Tgt Ion: 252 Resp: 108155
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 19.8 9.1 13.7#



#89
Benzo(a)pyrene
Concen: 3.77 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BF086405.D
Acq: 23 Apr 2016 22:19

Tgt Ion: 252 Resp: 52481
Ion Ratio Lower Upper
252 100
253 25.8 17.2 25.8#
125 20.5 9.0 13.6#





#91
 Benzo(g,h,i)perylene
 Concen: 2.75 ng
 RT: 17.21 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: BF086405.D
 Acq: 23 Apr 2016 22:19

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B10(5-8.5)-C

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.3	19.6	29.4
138	34.0	23.6	35.4

