

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

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

Manual Integrations
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Quant Time: Apr 25 05:40:57 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	203513	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	768033	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	312068	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	508131	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	375977	20.00	ng	0.00
86) Perylene-d12	15.41	264	269766	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1611787	136.77	ng	0.02
7) Phenol-d6	6.48	99	2058643	128.50	ng	0.00
23) Nitrobenzene-d5	7.41	82	1324562	102.16	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	327875	116.06	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1985679	108.58	ng	0.00
78) Terphenyl-d14	12.94	244	1237876	81.80	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.60	163	379253	16.82	ng	99
70) Phenanthrene	11.38	178	236815	9.28	ng	99
71) Anthracene	11.44	178	72591	2.48	ng	98
74) Fluoranthene	12.57	202	298545	10.84	ng	96
77) Pyrene	12.80	202	265400	10.12	ng	99
80) Benzo(a)anthracene	13.99	228	126648	6.49	ng	94
82) Chrysene	14.02	228	126090m	5.73	ng	
85) Indeno(1,2,3-cd)pyrene	16.80	276	51512	2.64	ng	94
87) Benzo(b)fluoranthene	15.01	252	122179m	8.25	ng	
88) Benzo(k)fluoranthene	15.03	252	49107m	3.38	ng	
89) Benzo(a)pyrene	15.36	252	88293	6.04	ng	# 75
91) Benzo(a,h,i)perylene	17.21	276	54196	4.36	ng	# 88

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

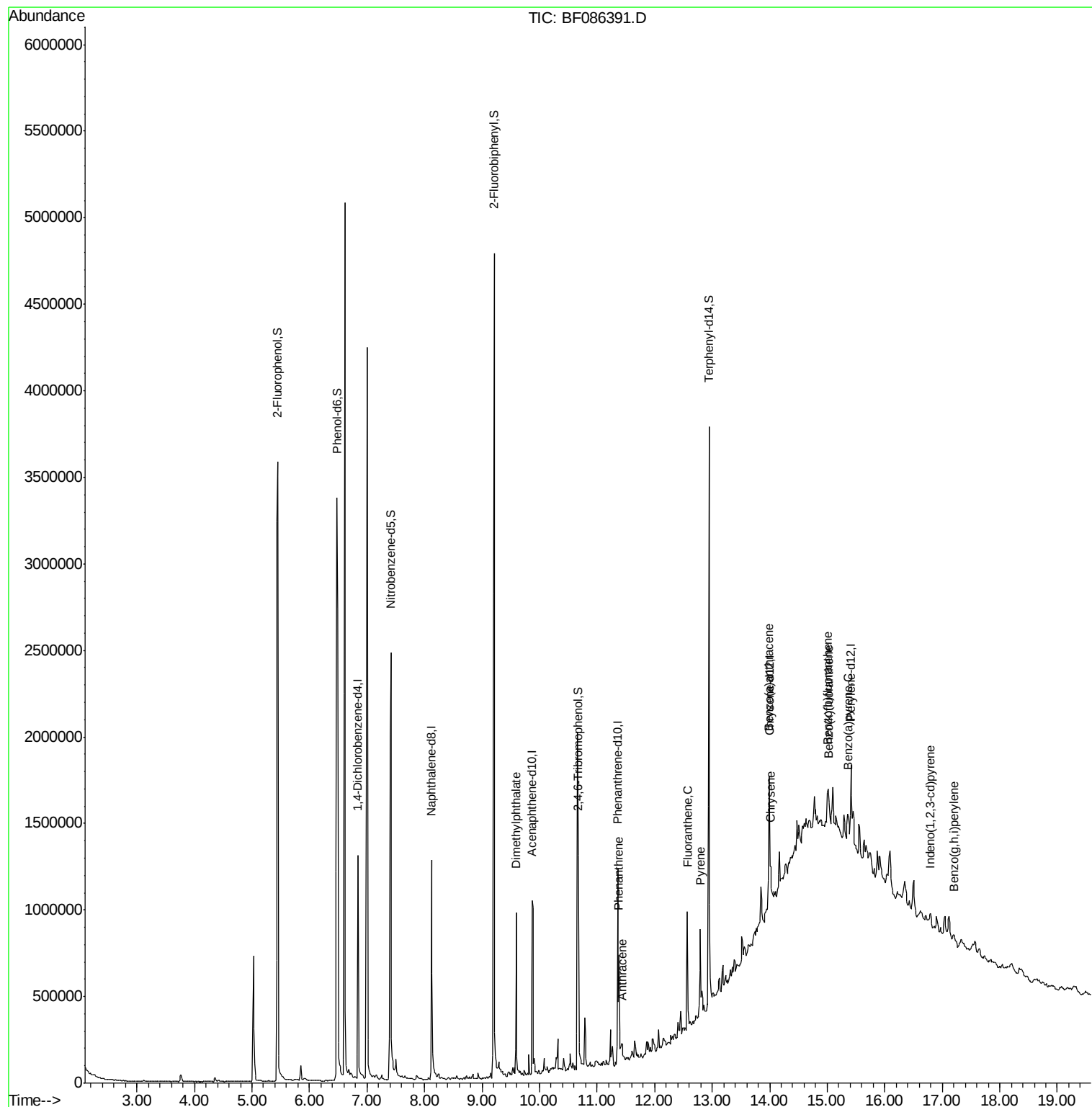
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042216\
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ALS Vial : 35 Sample Multiplier: 1

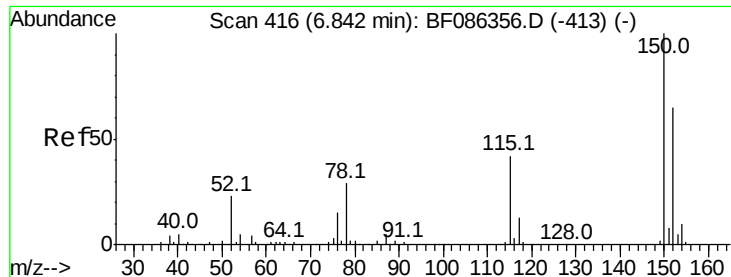
Instrument :
BNA_F
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Quant Time: Apr 25 05:40:57 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042216.M
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QLast Update : Sat Apr 23 00:24:02 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.00 min

Lab File: BF086391.D

Acq: 23 Apr 2016 15:33

Instrument :

BNA_F

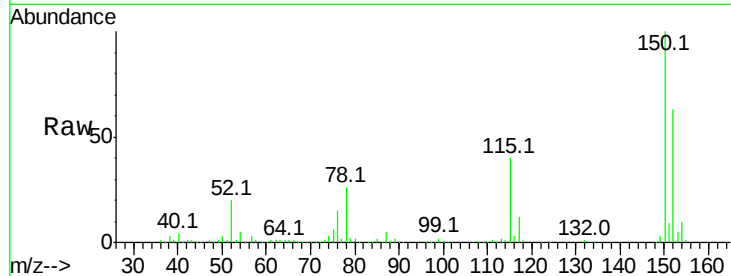
ClientSampleId :

WPG-B14(0-11)-C

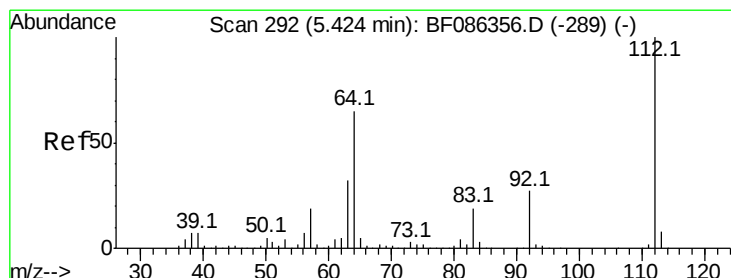
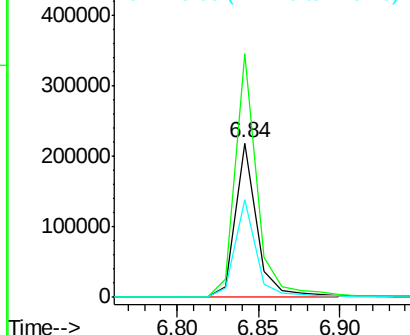
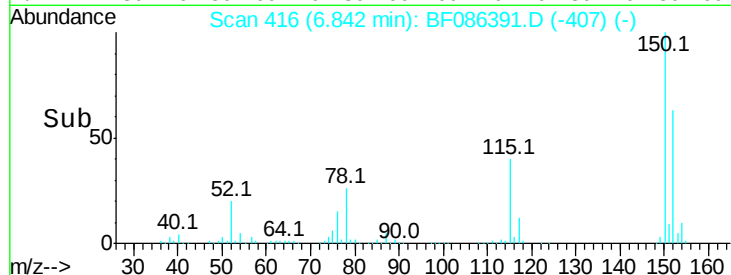
Tot Ion:	152	Resp:	203513
Ion Ratio	Lower	Upper	
152	100		
150	157.9	125.8	188.6
115	63.4	51.5	77.3

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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: 136.77 ng

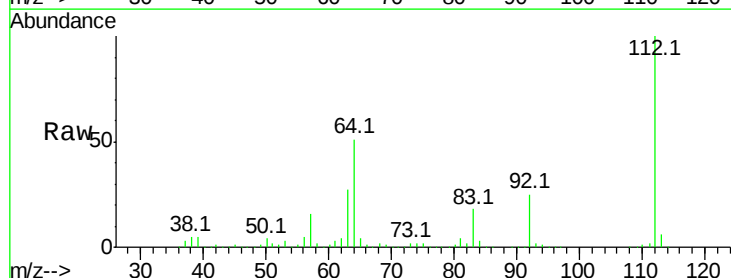
RT: 5.45 min Scan# 294

Delta R.T. 0.02 min

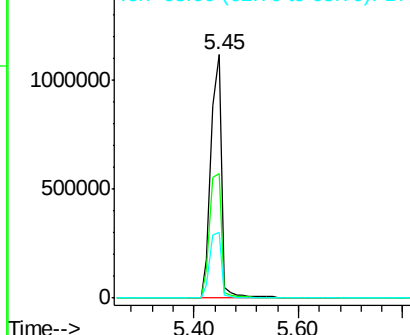
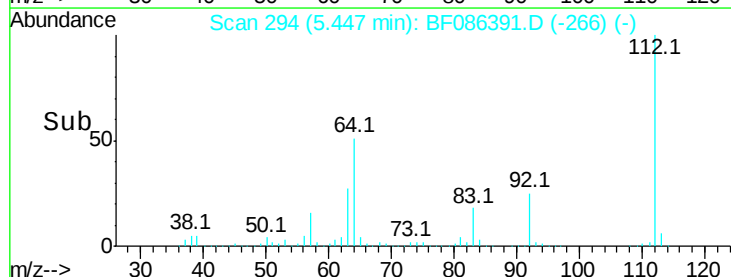
Lab File: BF086391.D

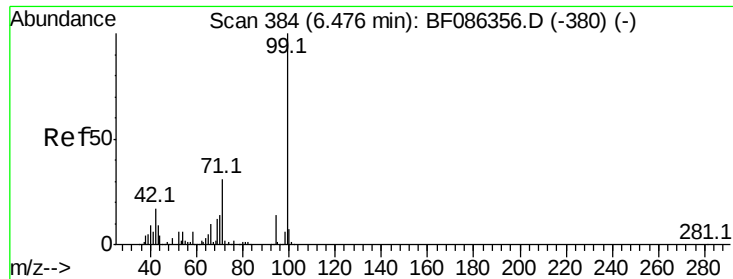
Acq: 23 Apr 2016 15:33

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



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: 128.50 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF086391.D

Acq: 23 Apr 2016 15:33

Instrument :

BNA_F

ClientSampleId :

WPG-B14(0-11)-C

Tot Ion: 99 Resp: 2058643

Ion Ratio Lower Upper

99 100

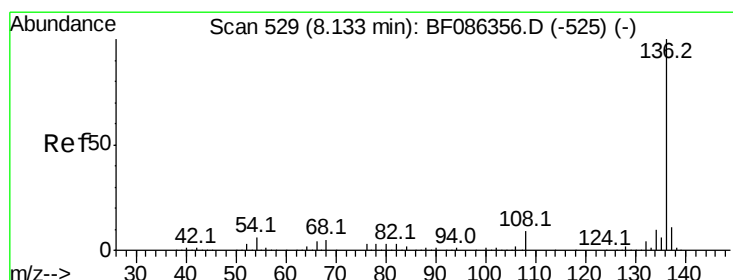
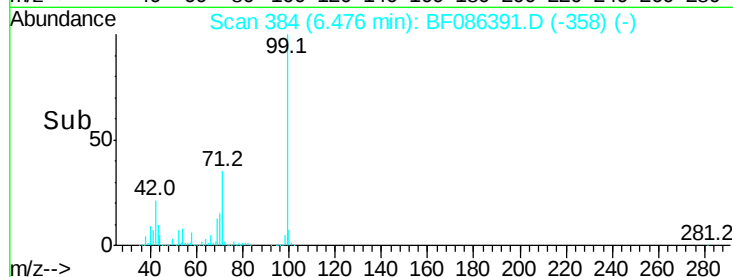
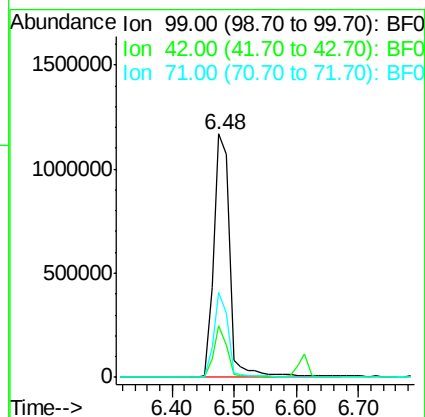
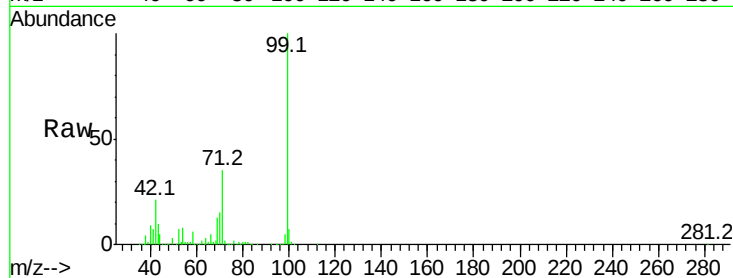
42 21.3 13.6 20.4#

71 35.1 24.6 36.8

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.01 min

Lab File: BF086391.D

Acq: 23 Apr 2016 15:33

Tgt Ion: 136 Resp: 768033

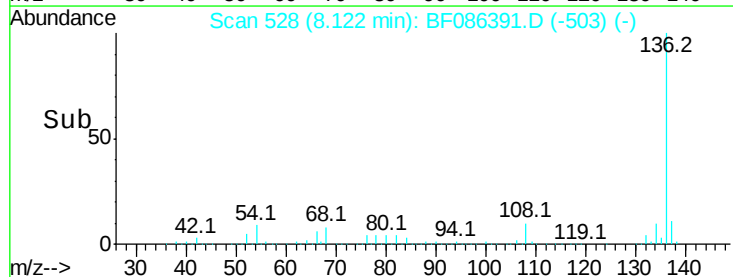
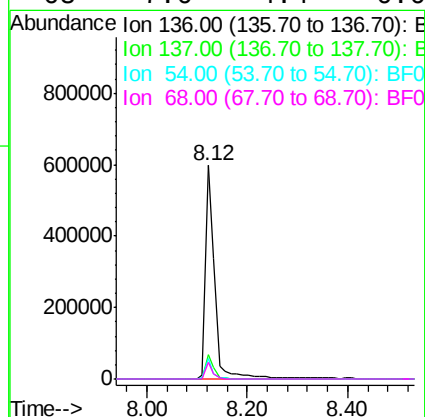
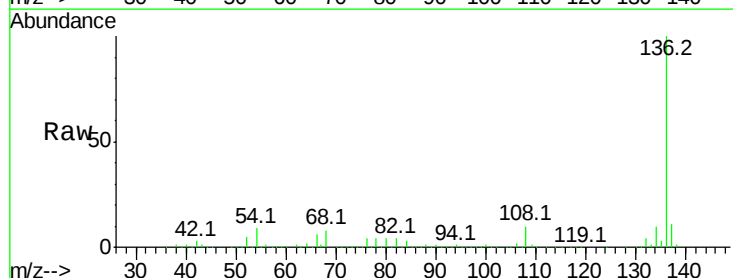
Ion Ratio Lower Upper

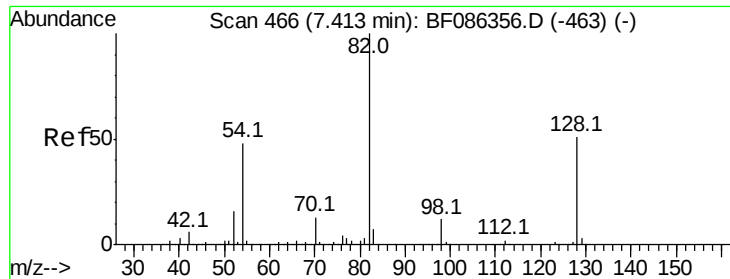
136 100

137 11.4 8.8 13.2

54 9.4 5.0 7.4#

68 7.6 4.4 6.6#





#23

Nitrobenzene-d5

Concen: 102.16 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.00 min

Lab File: BF086391.D

Acq: 23 Apr 2016 15:33

Instrument :

BNA_F

ClientSampleId :

WPG-B14(0-11)-C

Tot Ion: 82 Resp: 1324562

Ion Ratio Lower Upper

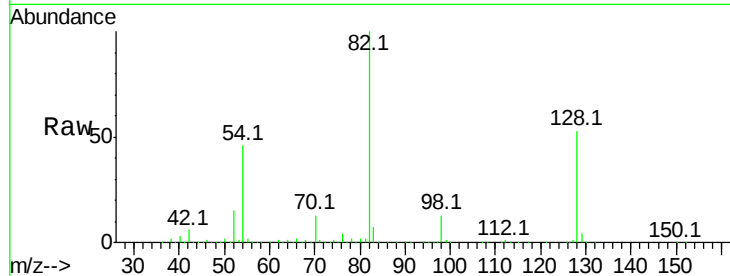
82 100

128 52.7 40.6 61.0

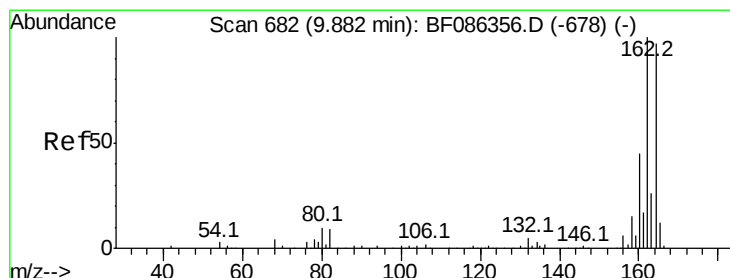
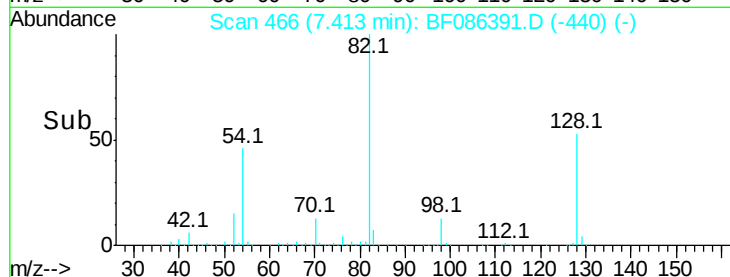
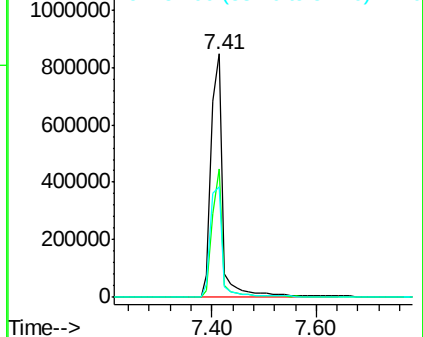
54 45.5 38.1 57.1

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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF086391.D

Acq: 23 Apr 2016 15:33

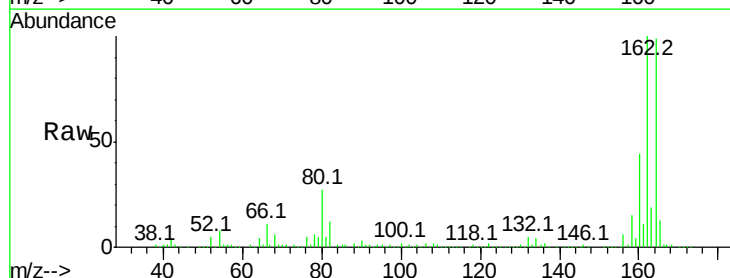
Tgt Ion:164 Resp: 312068

Ion Ratio Lower Upper

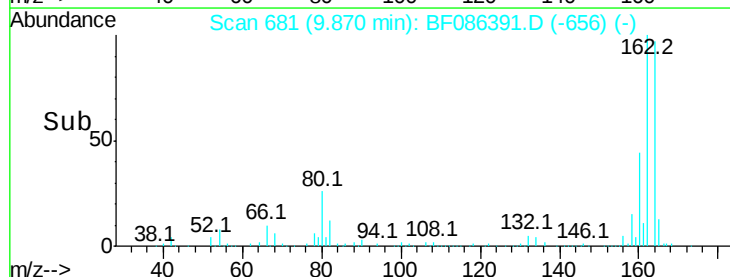
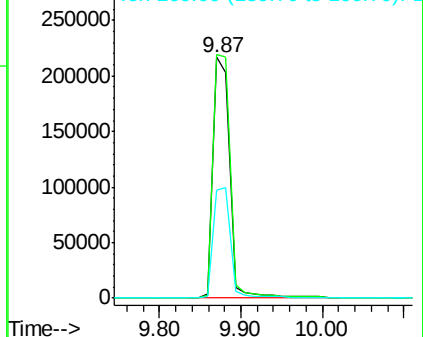
164 100

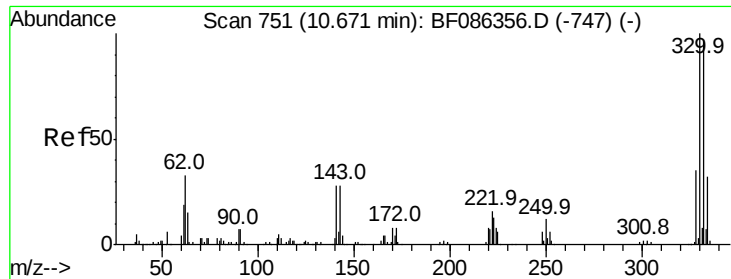
162 101.0 82.8 124.2

160 44.6 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): B
Ion 162.00 (161.70 to 162.70): B
Ion 160.00 (159.70 to 160.70): B





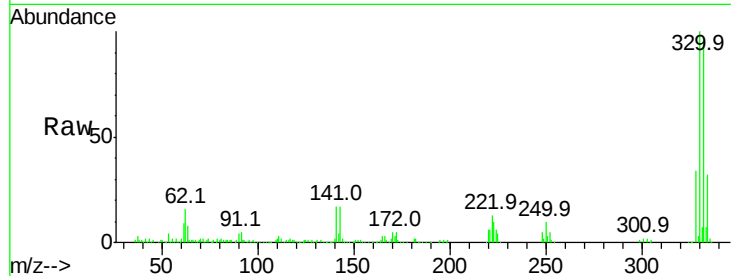
#41
 2,4,6-Tribromophenol
 Concen: 116.06 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: BF086391.D
 Acq: 23 Apr 2016 15:33

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

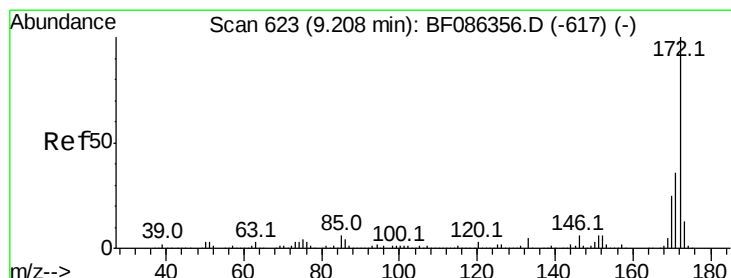
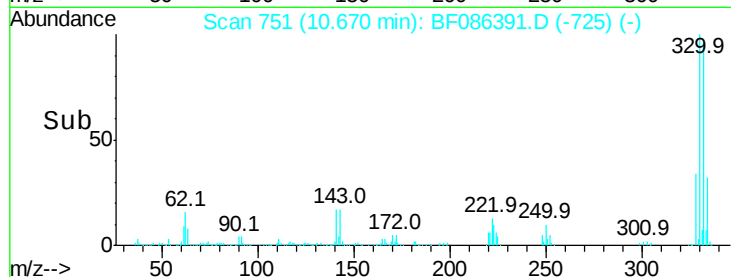
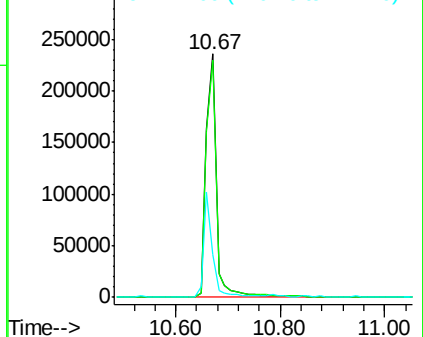
Tot Ion	Ratio	Resp	Lower	Upper
330	100	327875		
332	97.3	79.0	118.4	
141	35.7	31.2	46.8	

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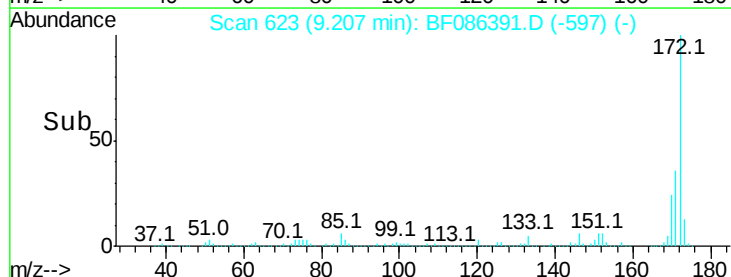
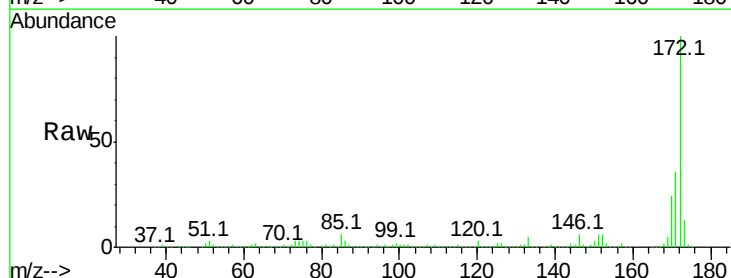
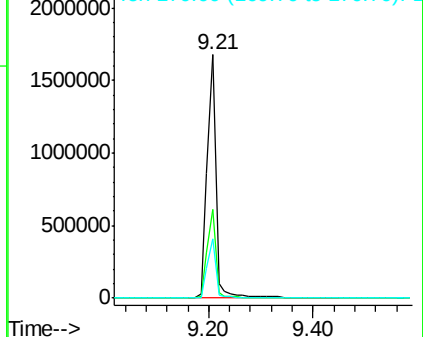
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

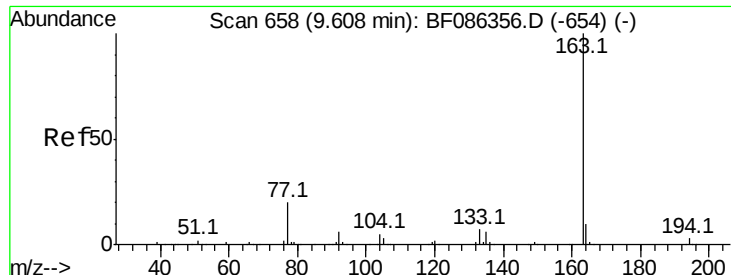


#44
 2-Fluorobiphenyl
 Concen: 108.58 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: BF086391.D
 Acq: 23 Apr 2016 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1985679		
171	36.4	29.0	43.6	
170	24.4	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: 16.82 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.01 min

Lab File: BF086391.D

Acq: 23 Apr 2016 15:33

Instrument :

BNA_F

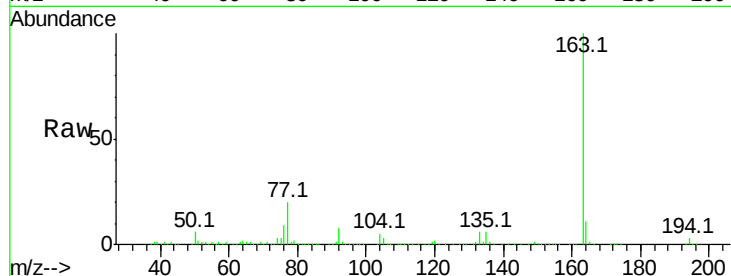
ClientSampleId :

WPG-B14(0-11)-C

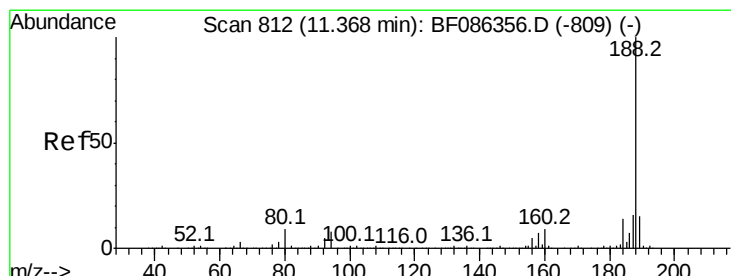
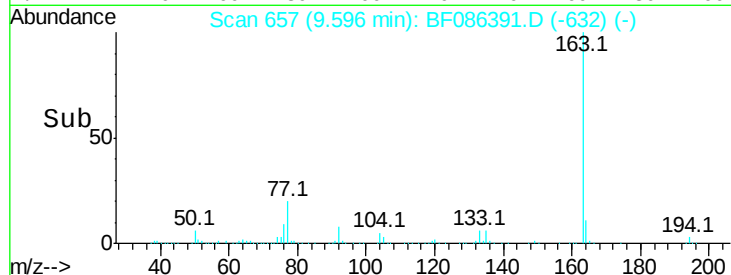
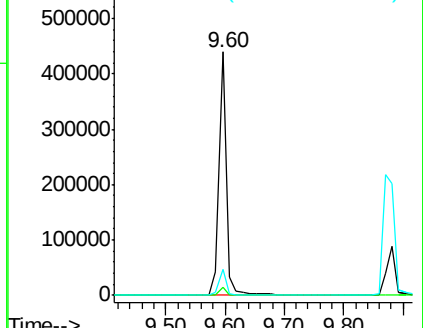
Tot Ion:	163	Resp:	379253
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.6	4.0
164	10.6	8.2	12.4

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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

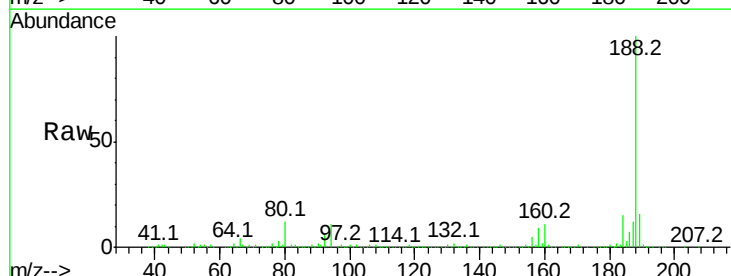
RT: 11.36 min Scan# 811

Delta R.T. -0.01 min

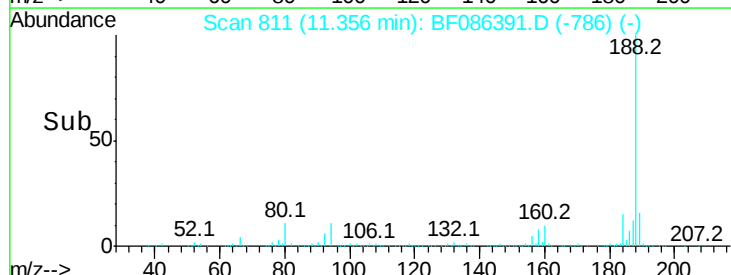
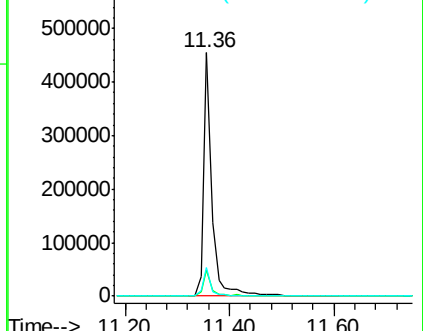
Lab File: BF086391.D

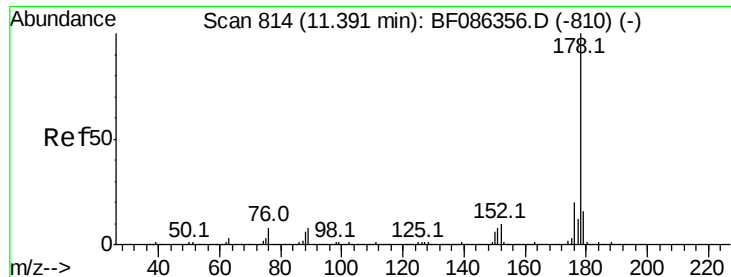
Acq: 23 Apr 2016 15:33

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



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





#70

Phenanthrene

Concen: 9.28 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.01 min

Lab File: BF086391.D

Acq: 23 Apr 2016 15:33

Instrument :

BNA_F

ClientSampleId :

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Tot Ion:178 Resp: 236815

Ion Ratio Lower Upper

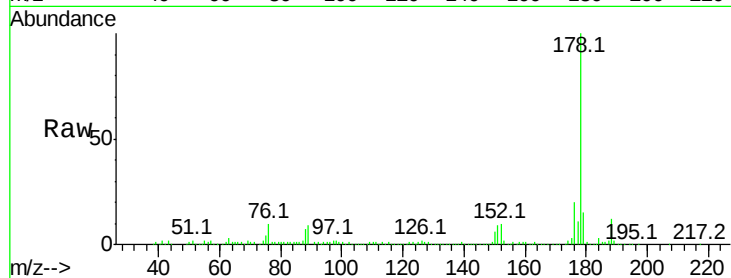
178 100

176 19.6 16.0 24.0

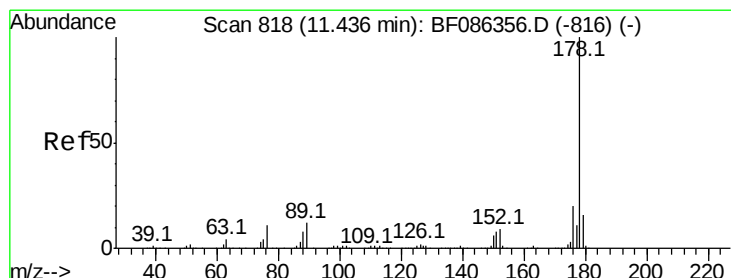
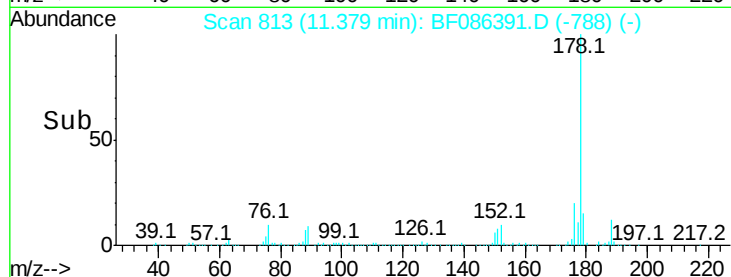
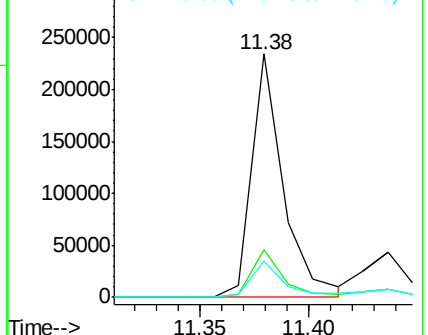
179 15.0 12.6 18.8

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



#71

Anthracene

Concen: 2.48 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.00 min

Lab File: BF086391.D

Acq: 23 Apr 2016 15:33

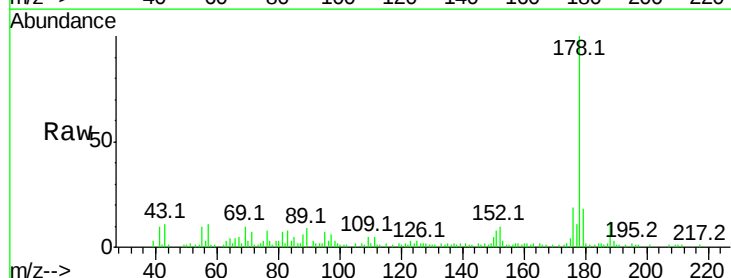
Tgt Ion:178 Resp: 72591

Ion Ratio Lower Upper

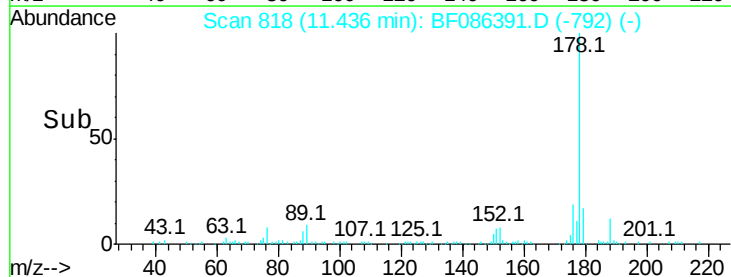
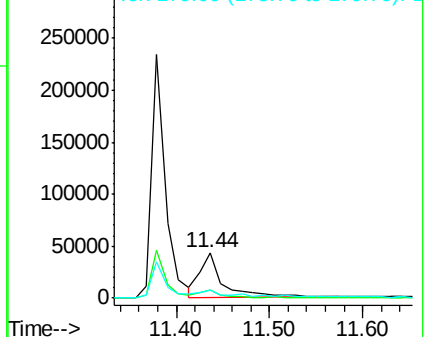
178 100

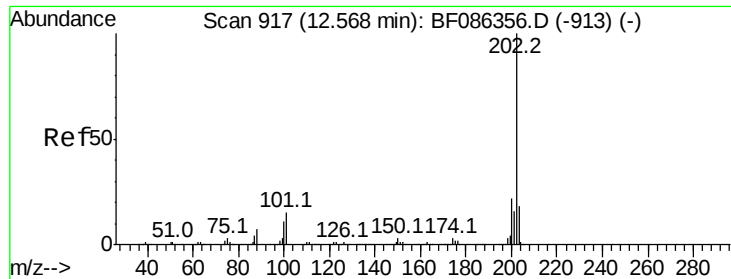
176 19.2 15.6 23.4

179 17.6 12.7 19.1



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





#74

Fluoranthene

Concen: 10.84 ng

RT: 12.57 min Scan# 917

Delta R.T. -0.00 min

Lab File: BF086391.D

Acq: 23 Apr 2016 15:33

Instrument :

BNA_F

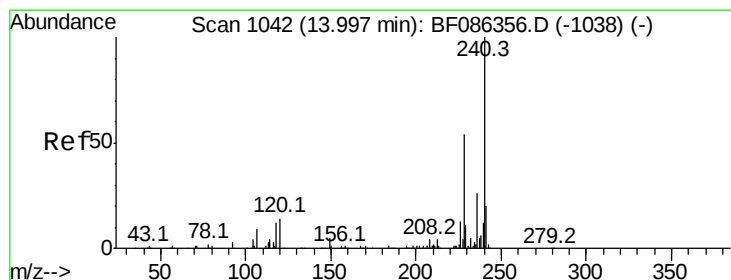
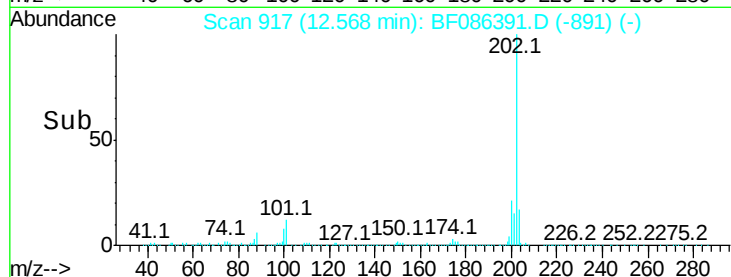
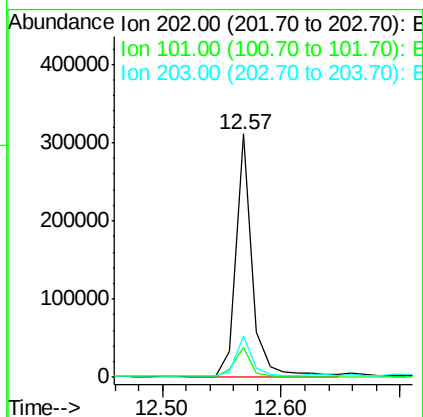
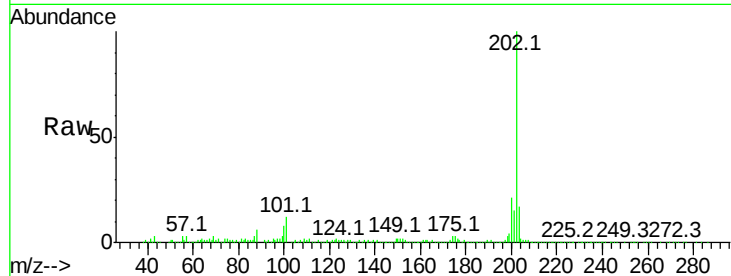
ClientSampleId :

WPG-B14(0-11)-C

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.5	0.0	35.4
203	17.2	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

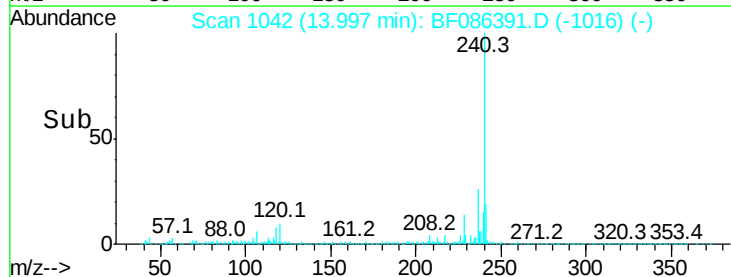
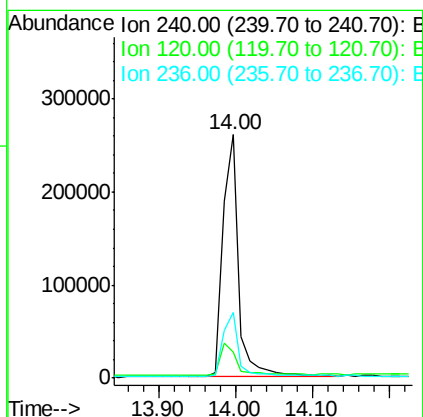
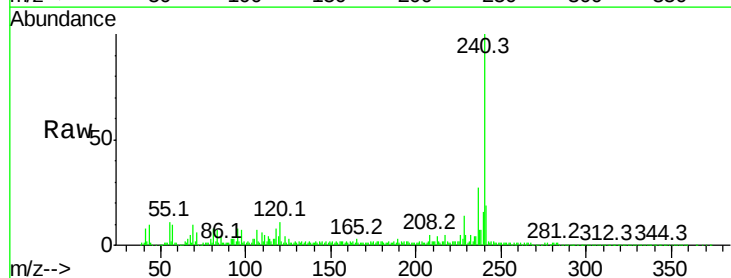
RT: 14.00 min Scan# 1042

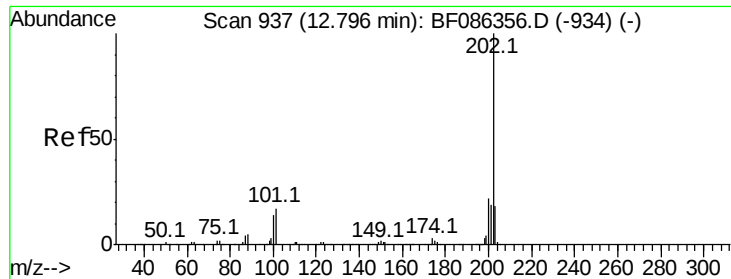
Delta R.T. -0.00 min

Lab File: BF086391.D

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Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.6	11.2	16.8#
236	26.8	21.2	31.8





#77

Pvrene

Concen: 10.12 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.00 min

Lab File: BF086391.D

Acq: 23 Apr 2016 15:33

Instrument :

BNA_F

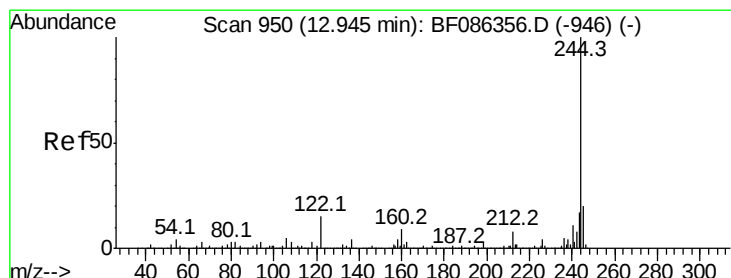
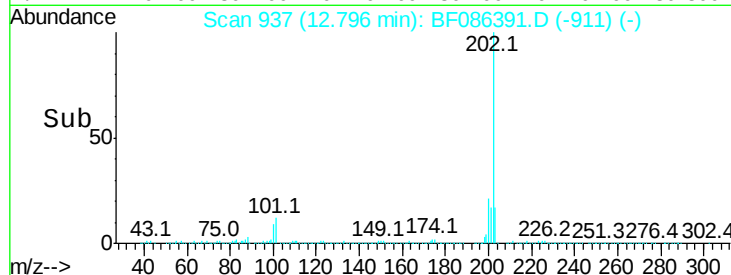
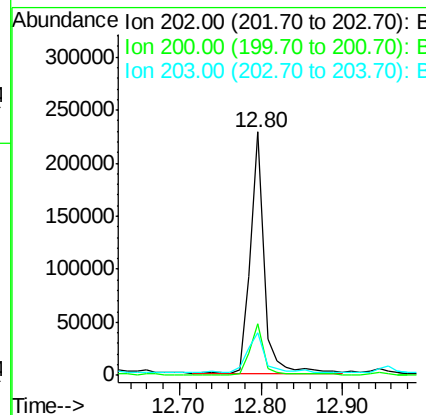
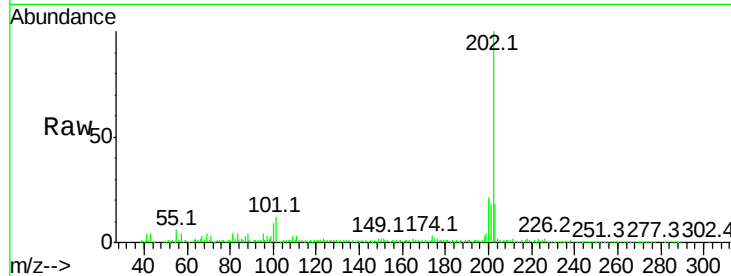
ClientSampleId :

WPG-B14(0-11)-C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	21.4	17.7	26.5		
203	17.7	14.2	21.4		

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#78

Terphenyl-d14

Concen: 81.80 ng

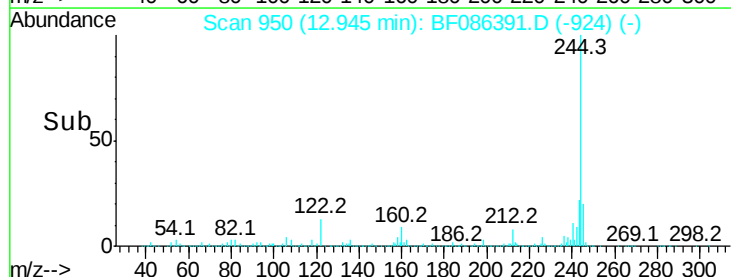
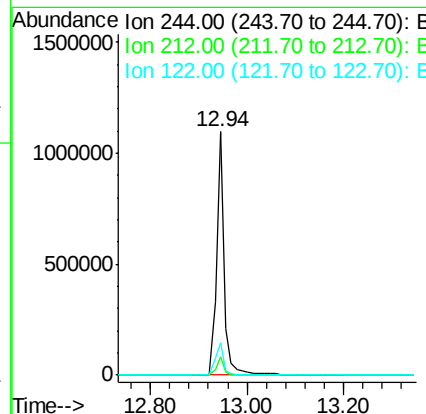
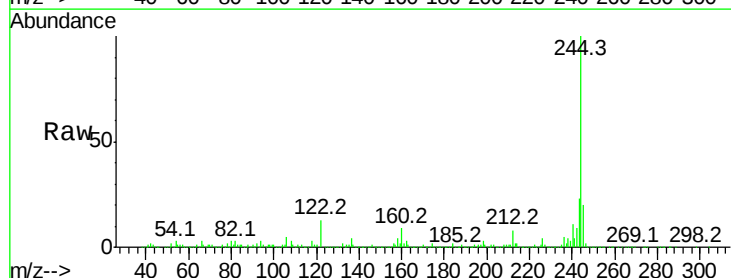
RT: 12.94 min Scan# 950

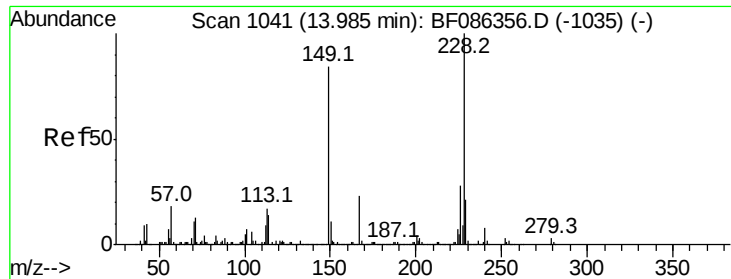
Delta R.T. -0.00 min

Lab File: BF086391.D

Acq: 23 Apr 2016 15:33

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





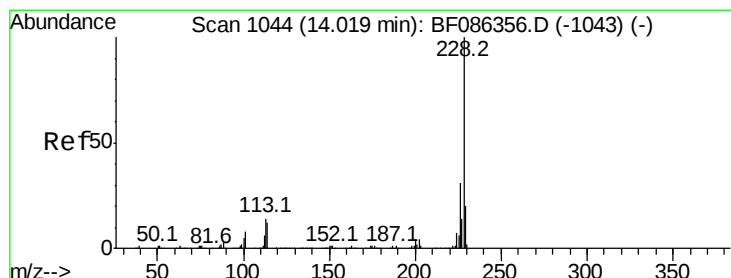
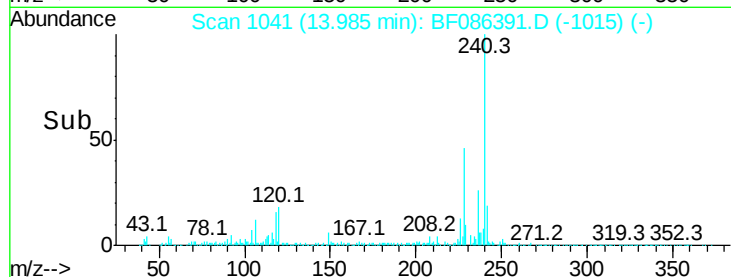
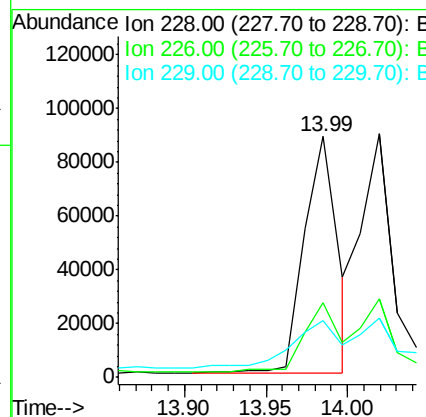
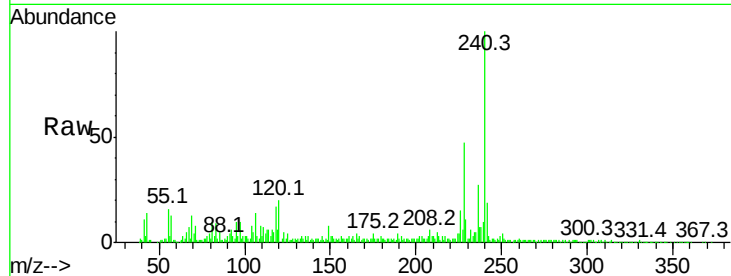
#80
Benzo(a)anthracene
Concen: 6.49 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BF086391.D
Acq: 23 Apr 2016 15:33

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	22.5	33.7
229	23.8	16.6	25.0

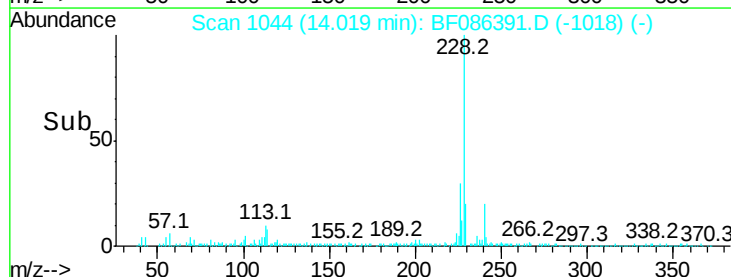
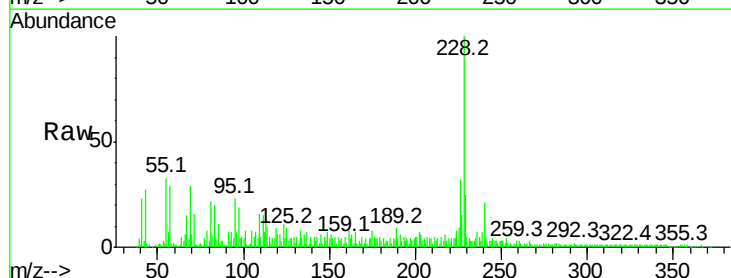
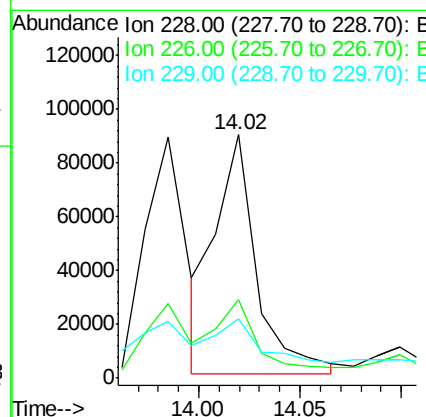
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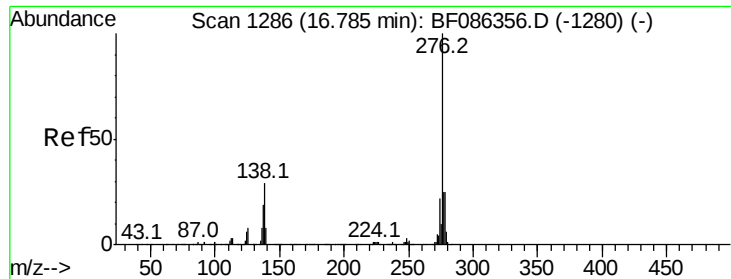
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#82
Chrysene
Concen: 5.73 ng m
RT: 14.02 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BF086391.D
Acq: 23 Apr 2016 15:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.4	36.6
229	24.6	15.8	23.8





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.64 ng

RT: 16.80 min Scan# 1287

Delta R.T. 0.01 min

Lab File: BF086391.D

Acq: 23 Apr 2016 15:33

Instrument :

BNA_F

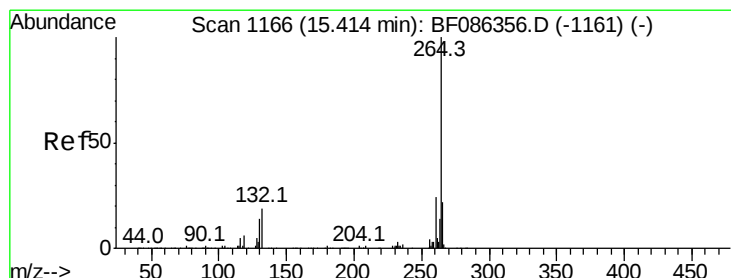
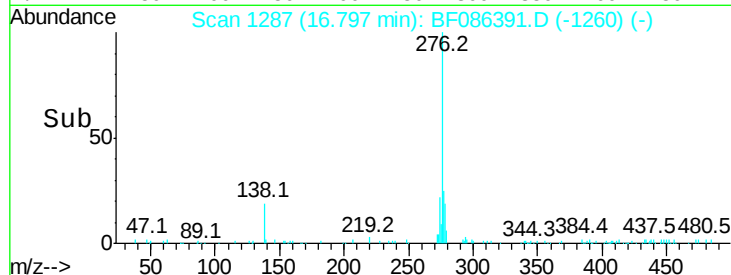
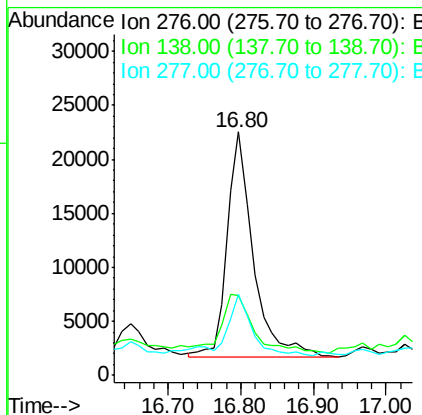
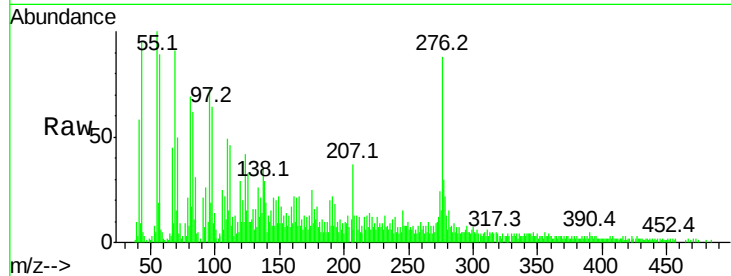
ClientSampleId :

WPG-B14(0-11)-C

Tot Ion:	276	Resp:	51512
Ion Ratio	Lower	Upper	
276	100		
138	35.1	25.6	38.4
277	28.8	20.5	30.7

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#86

Perylene-d12

Concen: 20.00 ng

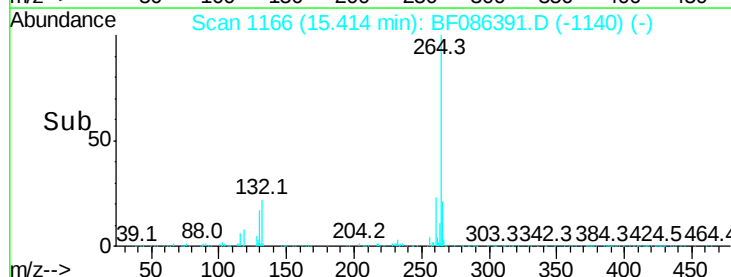
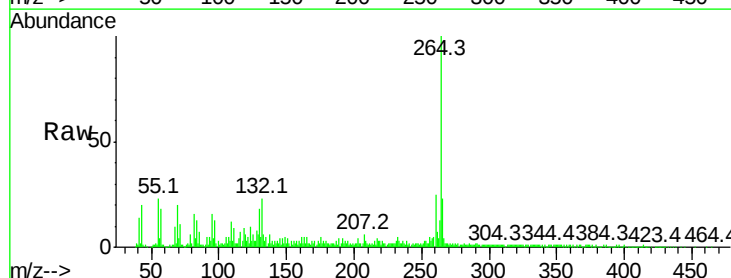
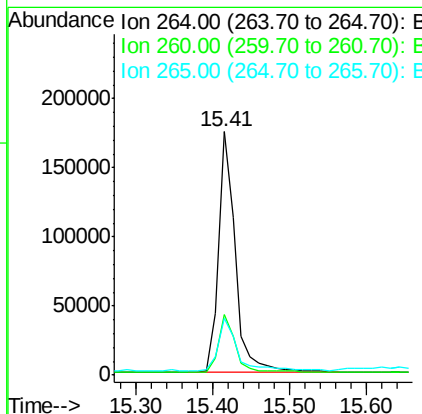
RT: 15.41 min Scan# 1166

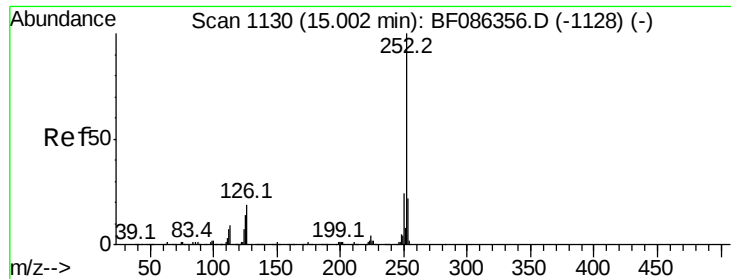
Delta R.T. -0.00 min

Lab File: BF086391.D

Acq: 23 Apr 2016 15:33

Tgt Ion:	264	Resp:	269766
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.5	29.3
265	23.1	17.3	25.9





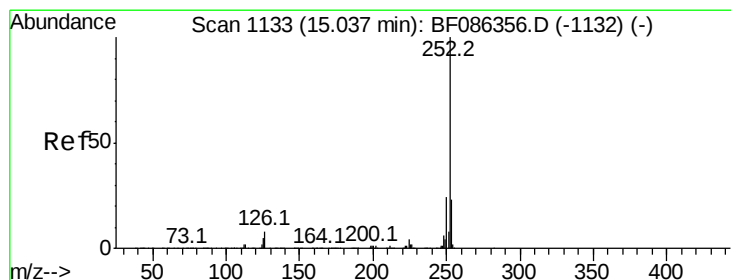
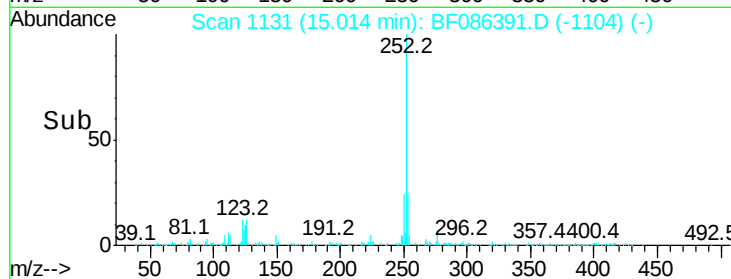
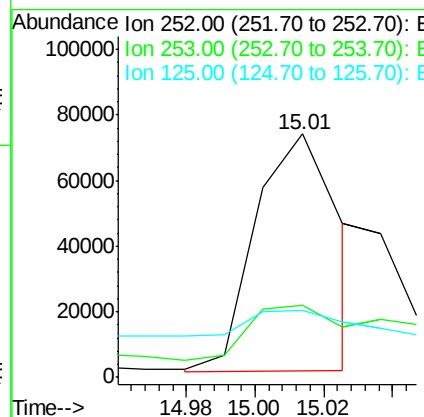
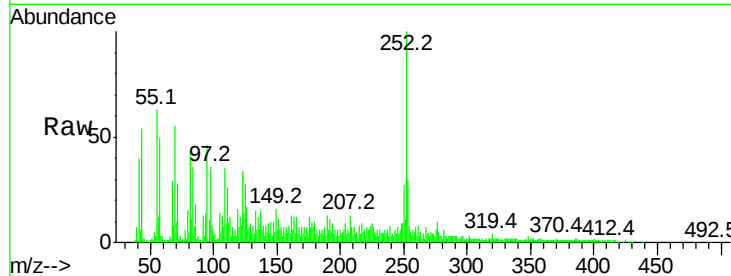
#87
Benzo(b)fluoranthene
Concen: 8.25 ng m
RT: 15.01 min Scan# 1131
Delta R.T. 0.01 min
Lab File: BF086391.D
Acq: 23 Apr 2016 15:33

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.7	17.8	26.6#
125	27.6	11.4	17.0#

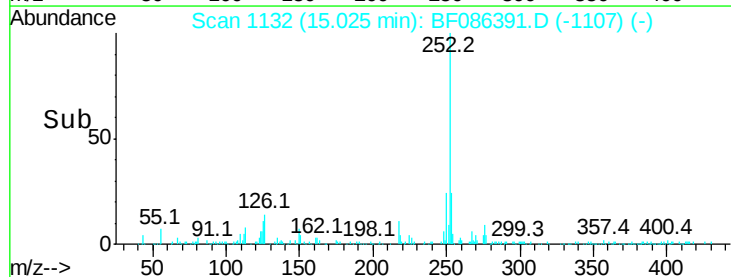
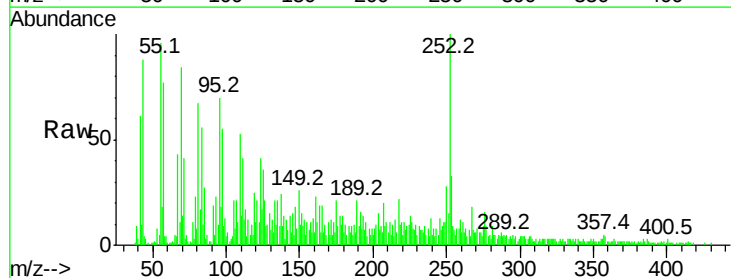
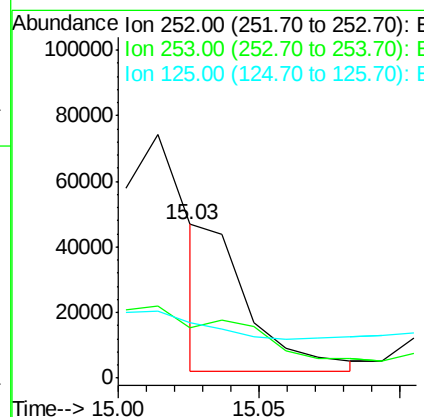
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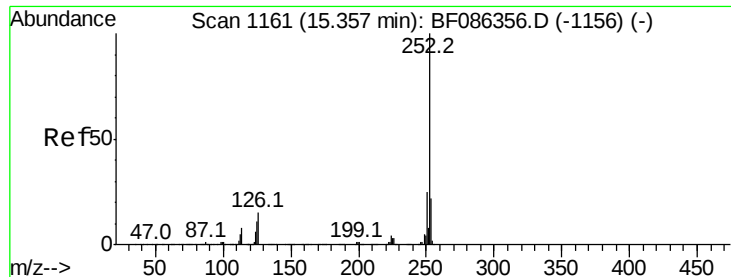
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#88
Benzo(k)fluoranthene
Concen: 3.38 ng m
RT: 15.03 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF086391.D
Acq: 23 Apr 2016 15:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.5	17.8	26.6#
125	36.4	9.1	13.7#





#89

Benzo(a)pyrene

Concen: 6.04 ng

RT: 15.36 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BF086391.D

Acq: 23 Apr 2016 15:33

Instrument :

BNA_F

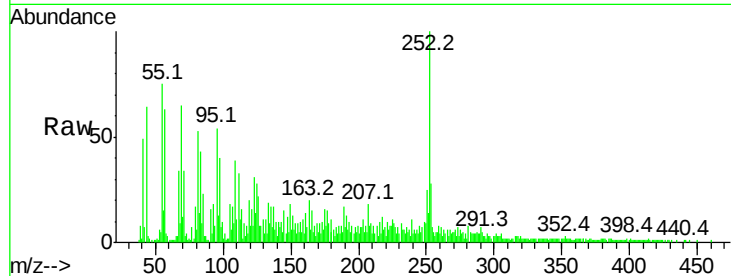
ClientSampleId :

WPG-B14(0-11)-C

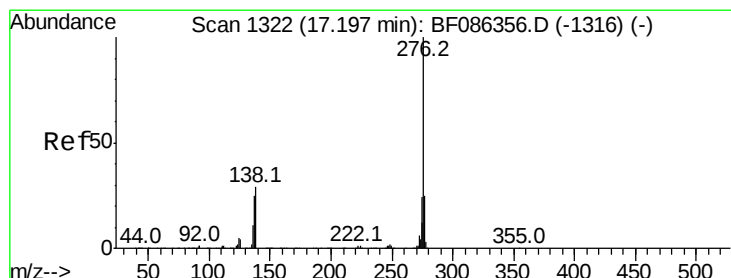
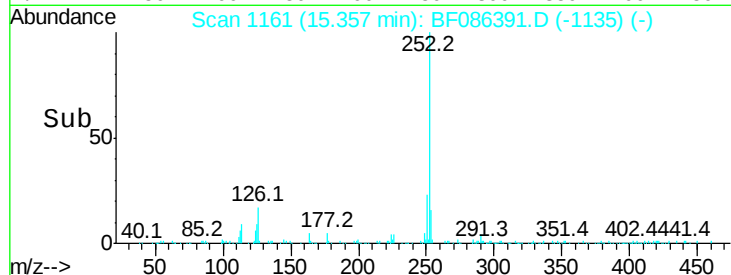
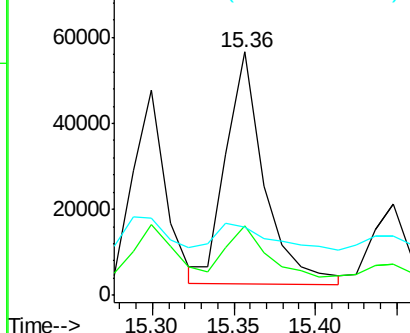
Tot Ion:	252	Resp:	88293
Ion Ratio	Lower	Upper	
252	100		
253	28.4	17.2	25.8#
125	28.0	9.0	13.6#

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 4.36 ng

RT: 17.21 min Scan# 1323

Delta R.T. 0.01 min

Lab File: BF086391.D

Acq: 23 Apr 2016 15:33

Tgt Ion:	276	Resp:	54196
Ion Ratio	Lower	Upper	
276	100		
277	30.6	19.6	29.4#
138	35.5	23.6	35.4#

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

