

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

Manual Integrations
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Quant Time: Apr 25 05:27:15 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						
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						Qvalue
49) Dimethylphthalate	9.60	163	219193	8.81	ng	99
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	14.02	228	290264m	12.65	ng	
85) Indeno(1,2,3-cd)pyrene	16.79	276	122496	6.01	ng	96
87) Benzo(b)fluoranthene	15.00	252	274810m	14.79	ng	
88) Benzo(k)fluoranthene	15.01	252	182183m	9.99	ng	
89) Benzo(a)pyrene	15.35	252	245027	13.37	ng	# 92
91) Benzo(a,h,i)perylene	17.20	276	108806	6.97	ng	96

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

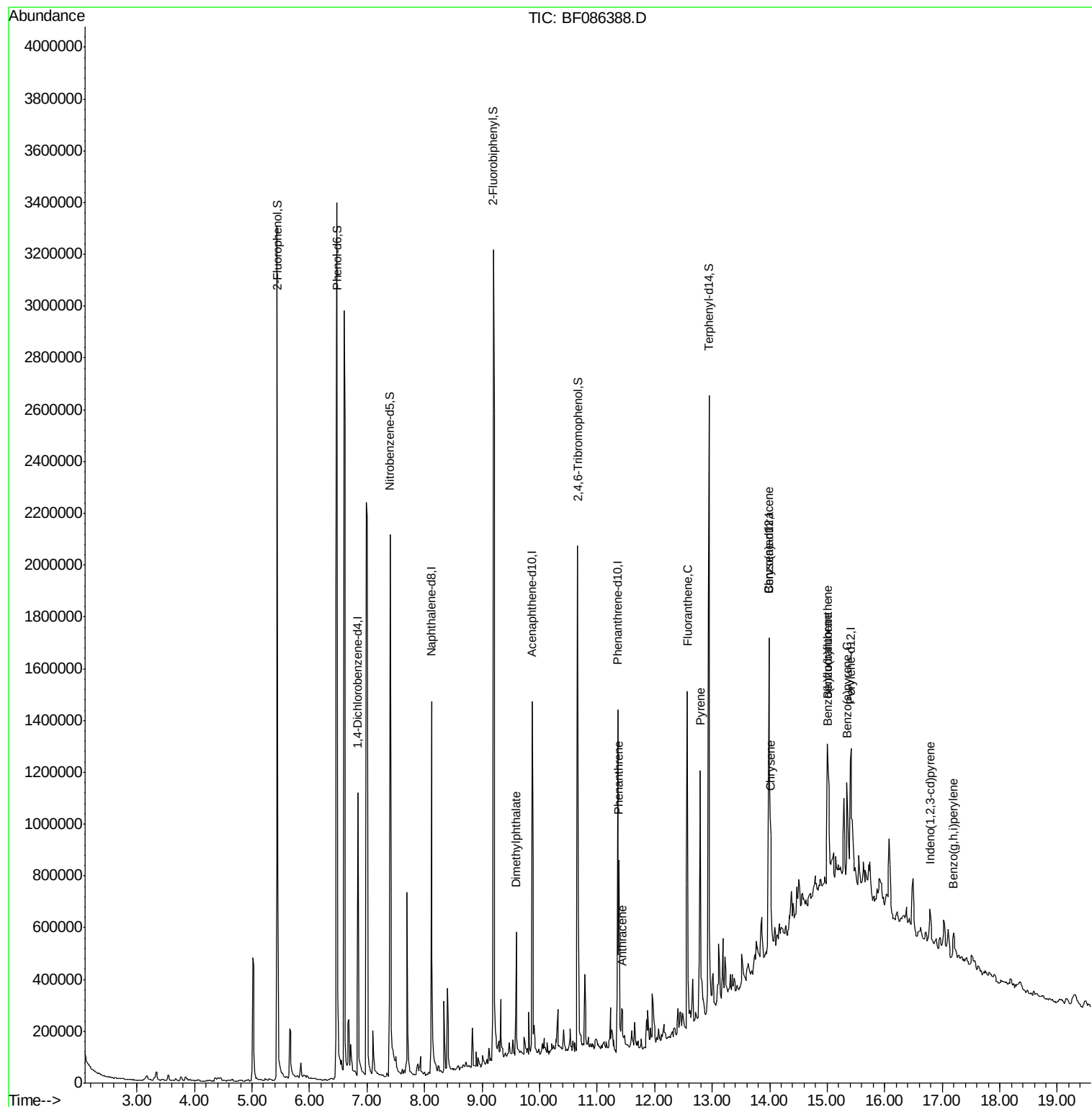
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042216\
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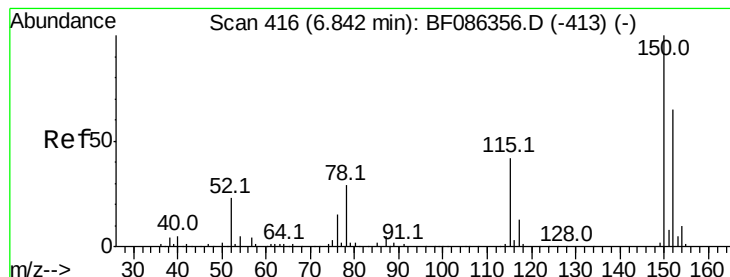
Instrument :
BNA_F
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WPG-B9(0-5)-C

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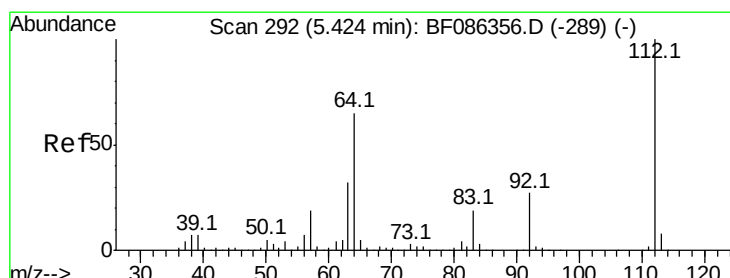
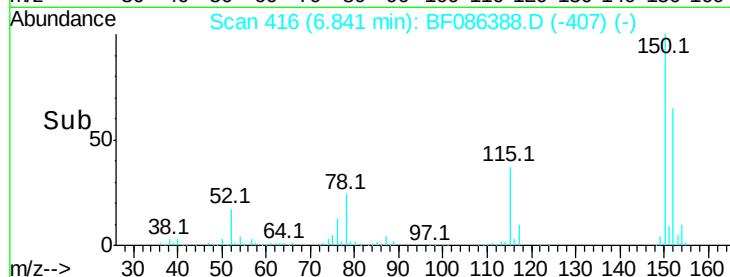
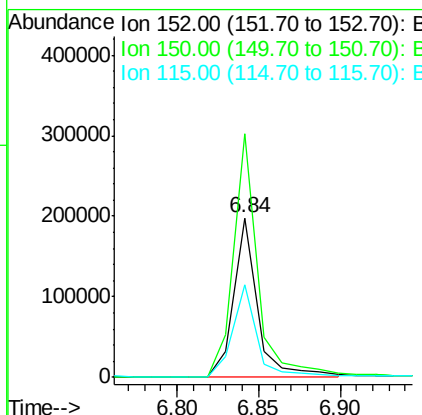
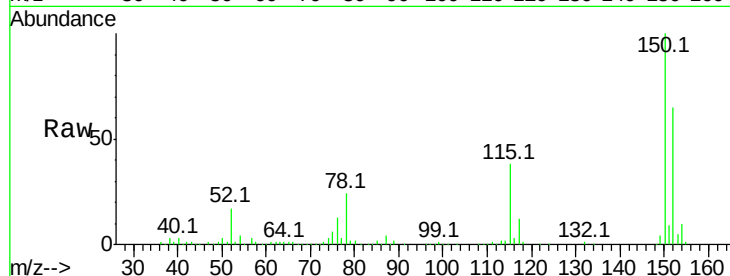
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.84 min Scan# 416
 Delta R.T. -0.00 min
 Lab File: BF086388.D
 Acq: 23 Apr 2016 14:06

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

Tot Ion	Ratio	Resp	Lower	Upper
152	100	200001		
150	152.8		125.8	188.6
115	58.2		51.5	77.3

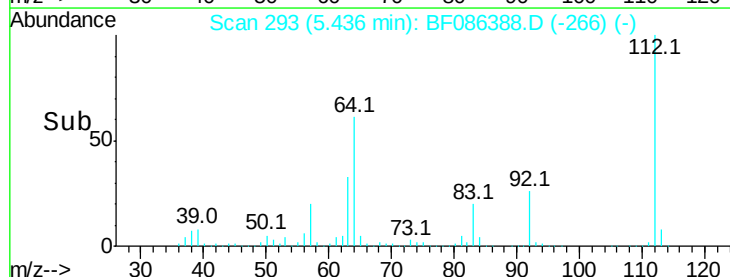
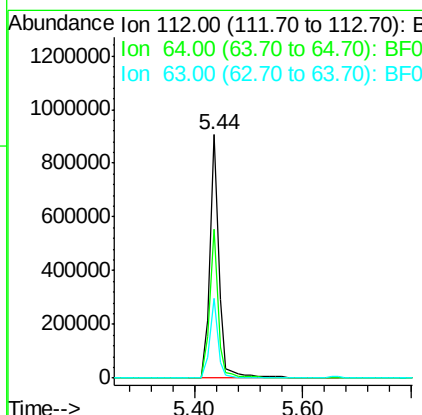
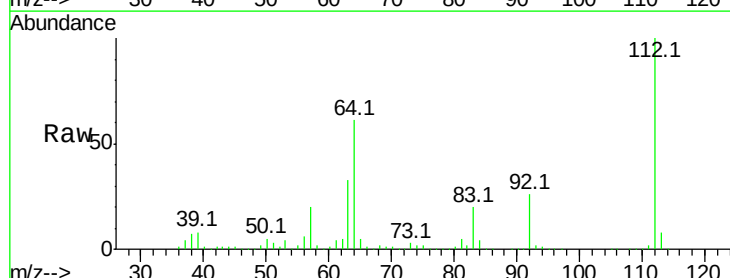
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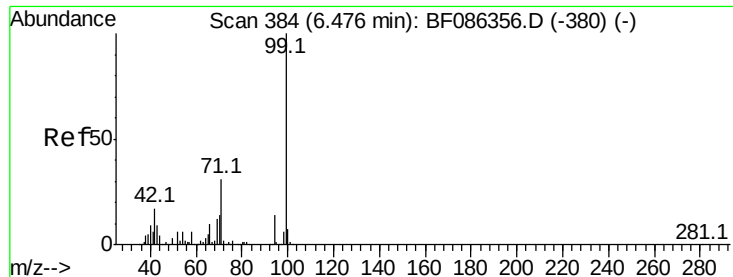
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#5
 2-Fluorophenol
 Concen: 93.07 ng
 RT: 5.44 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: BF086388.D
 Acq: 23 Apr 2016 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1077901		
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

Tot Ion: 99 Resp: 1585684

Ion Ratio Lower Upper

99 100

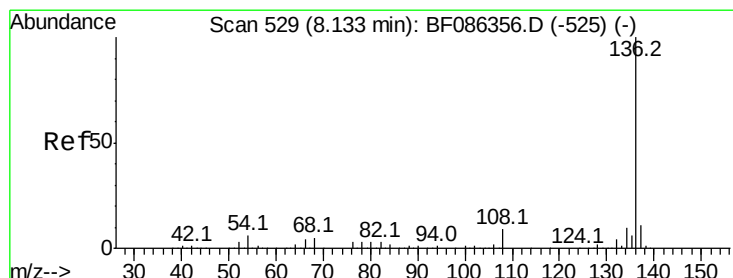
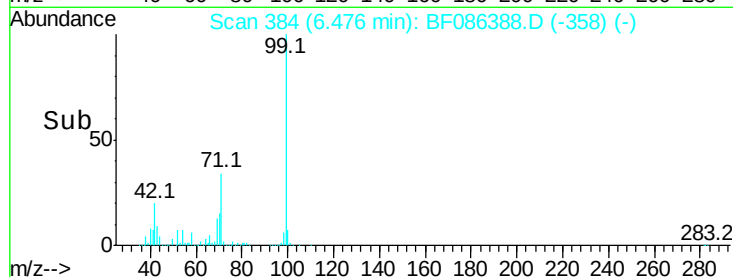
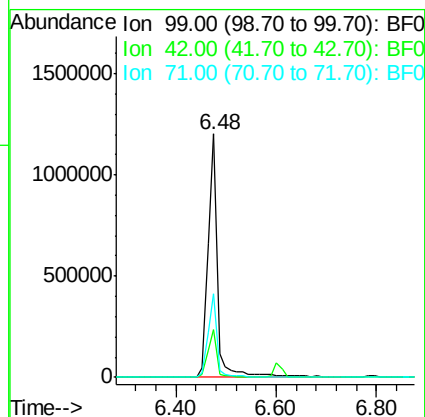
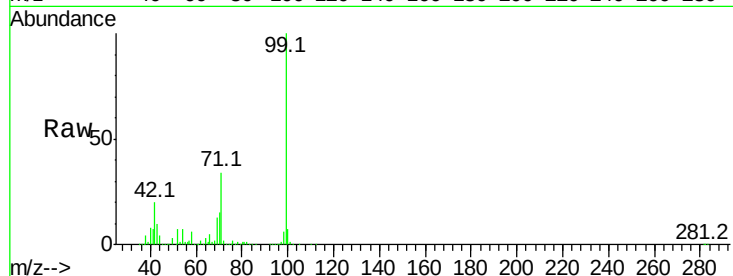
42 19.7 13.6 20.4

71 34.2 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: BF086388.D

Acq: 23 Apr 2016 14:06

Tgt Ion: 136 Resp: 805425

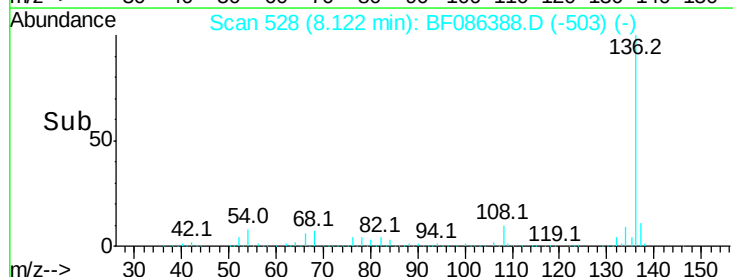
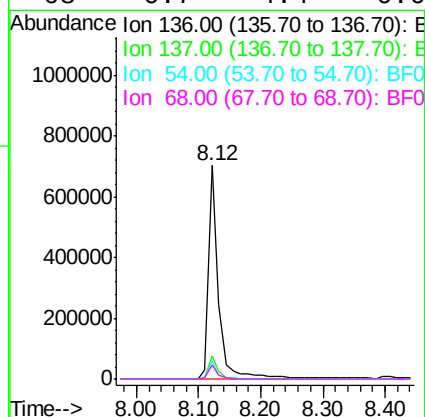
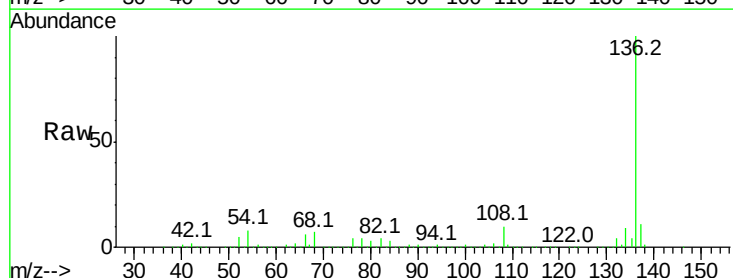
Ion Ratio Lower Upper

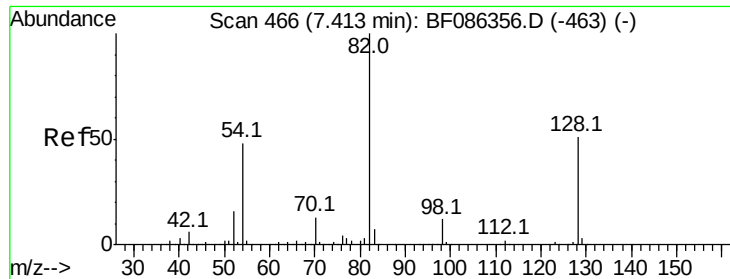
136 100

137 11.1 8.8 13.2

54 8.2 5.0 7.4#

68 6.7 4.4 6.6#





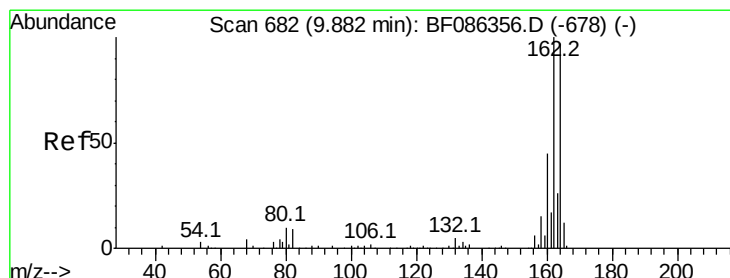
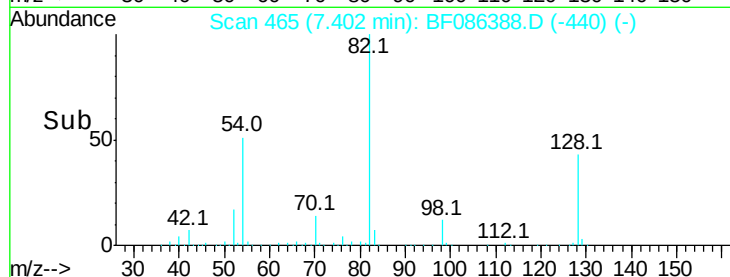
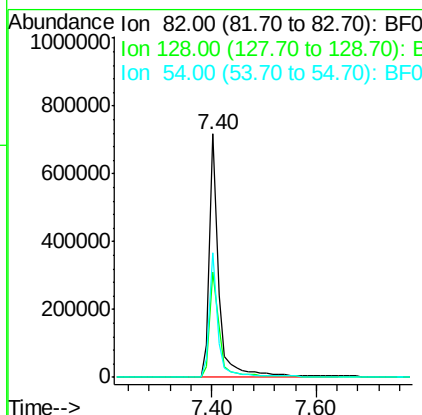
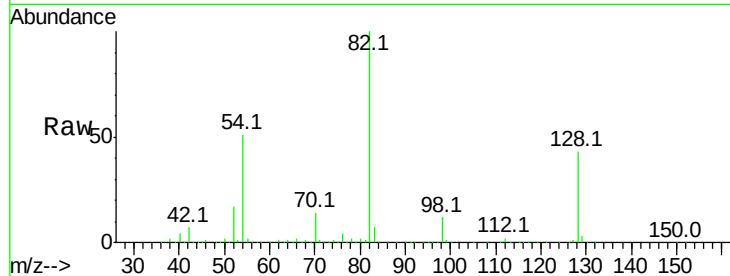
#23
 Nitrobenzene-d5
 Concen: 67.35 ng
 RT: 7.40 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: BF086388.D
 Acq: 23 Apr 2016 14:06

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

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

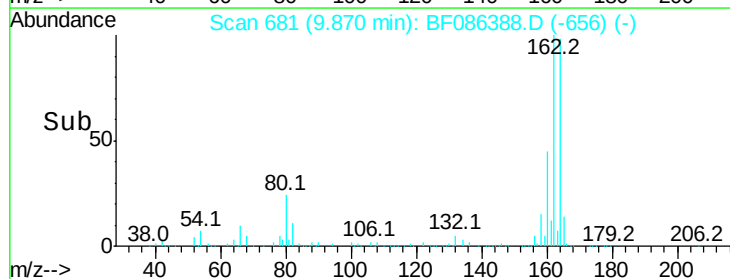
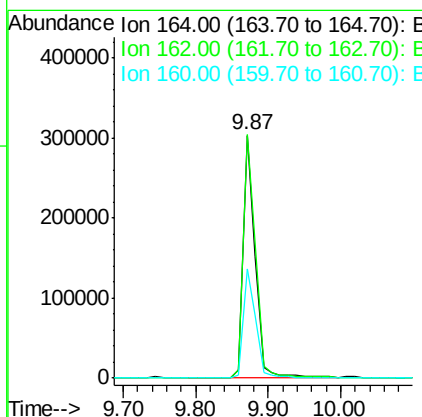
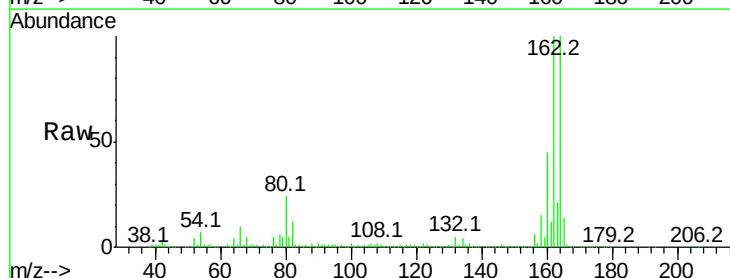
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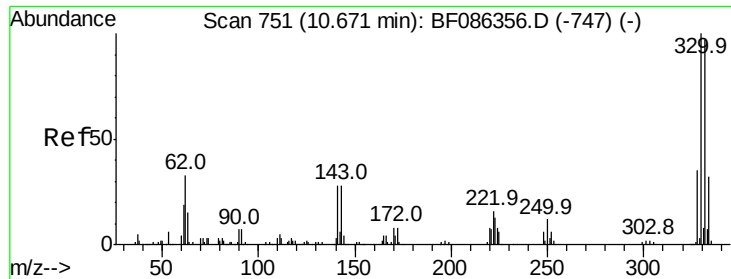
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.01 min
 Lab File: BF086388.D
 Acq: 23 Apr 2016 14:06

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





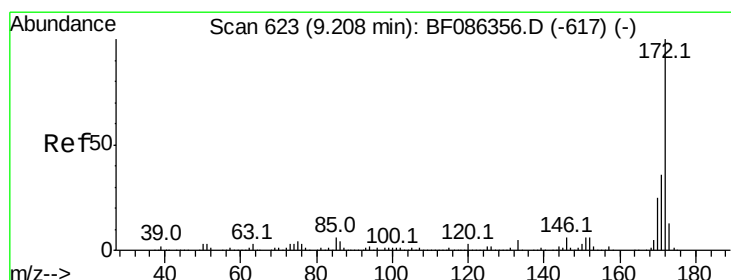
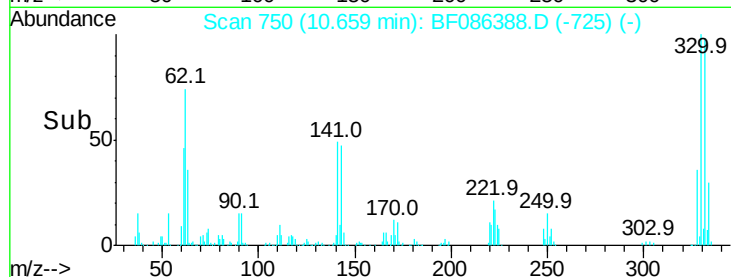
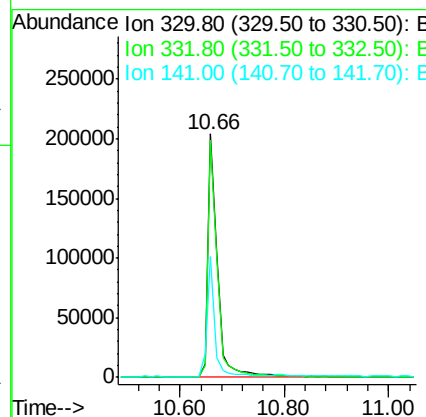
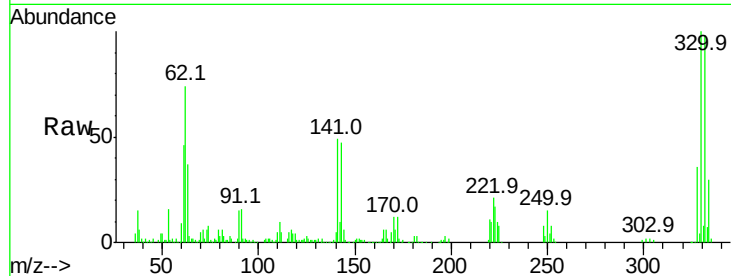
#41
 2,4,6-Tribromophenol
 Concen: 84.54 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: BF086388.D
 Acq: 23 Apr 2016 14:06

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100	263557		
332	96.6		79.0	118.4
141	39.6		31.2	46.8

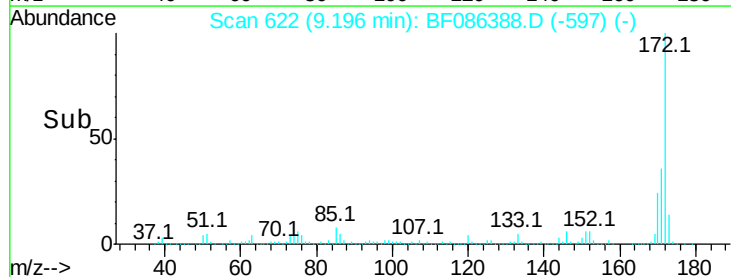
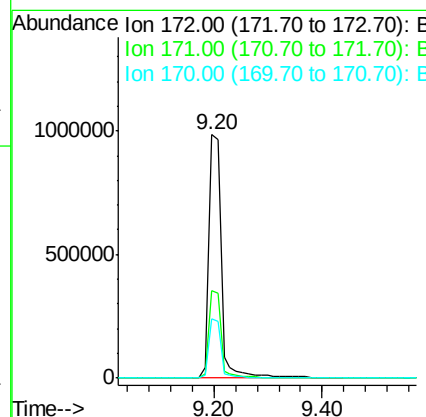
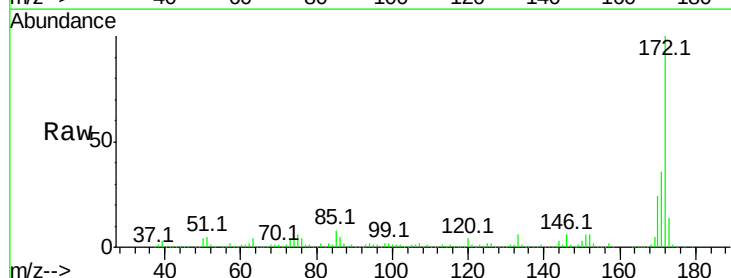
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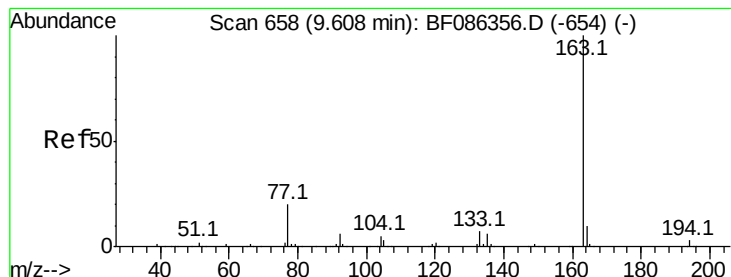
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#44
 2-Fluorobiphenyl
 Concen: 77.76 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.01 min
 Lab File: BF086388.D
 Acq: 23 Apr 2016 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1569236		
171	36.0		29.0	43.6
170	24.1		19.8	29.8





#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

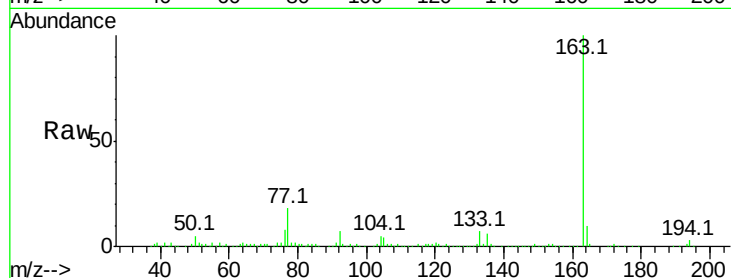
ClientSampleId :

WPG-B9(0-5)-C

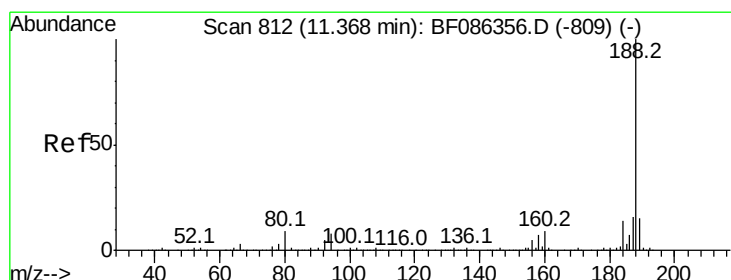
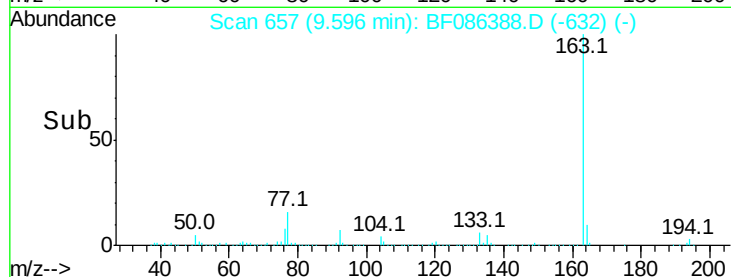
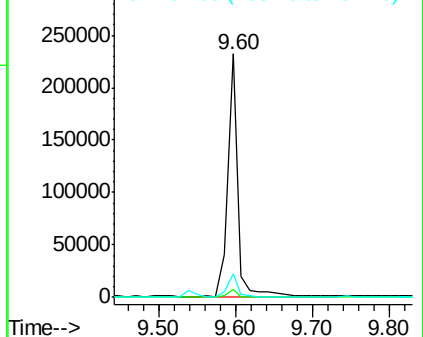
Tot Ion:	163	Resp:	219193
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.6	4.0
164	9.9	8.2	12.4

Manual Integrations
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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

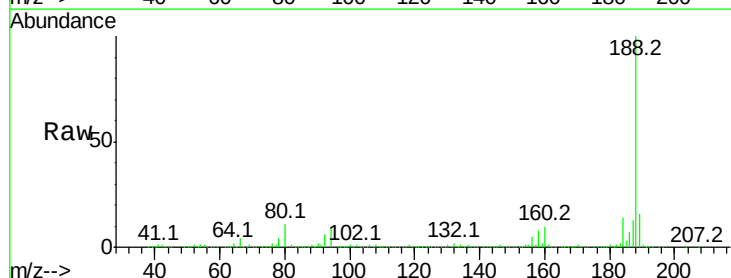
RT: 11.36 min Scan# 811

Delta R.T. -0.01 min

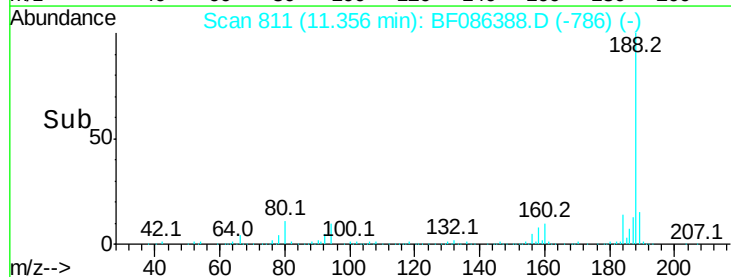
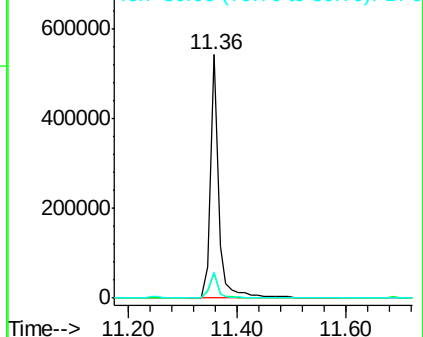
Lab File: BF086388.D

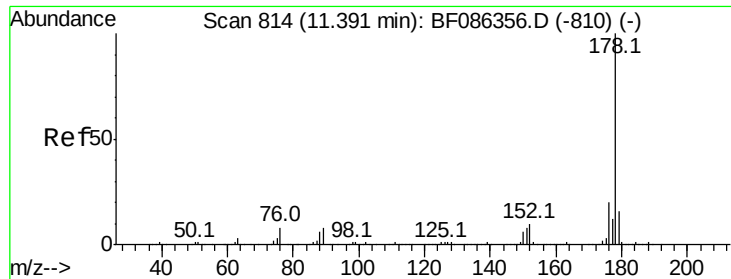
Acq: 23 Apr 2016 14:06

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





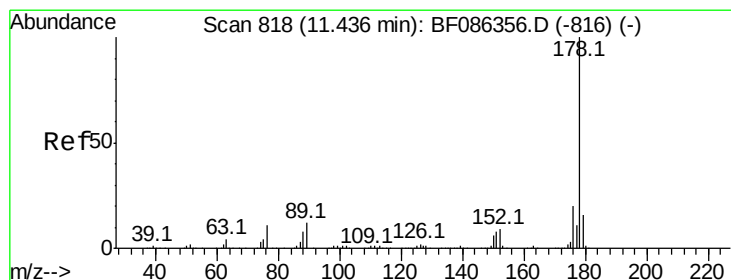
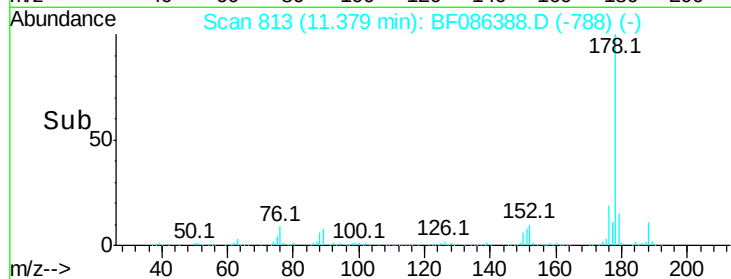
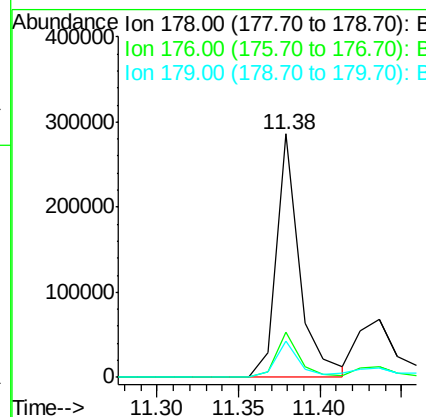
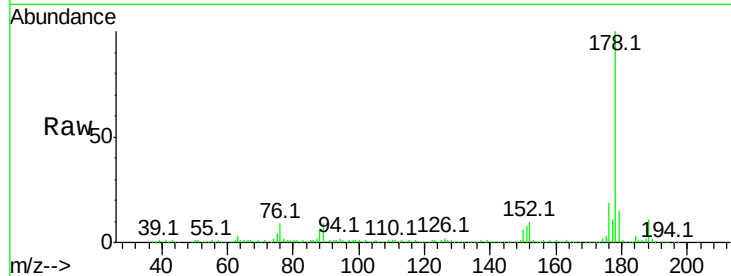
#70
Phenanthrene
Concen: 9.69 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF086388.D
Acq: 23 Apr 2016 14:06

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

Tot Ion	Ratio	Resp	Lower	Upper
178	100	282651		
176	18.7		16.0	24.0
179	14.8		12.6	18.8

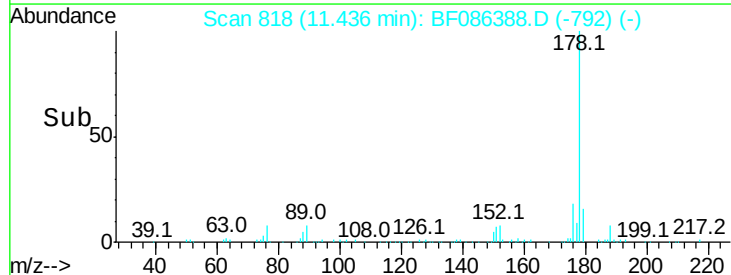
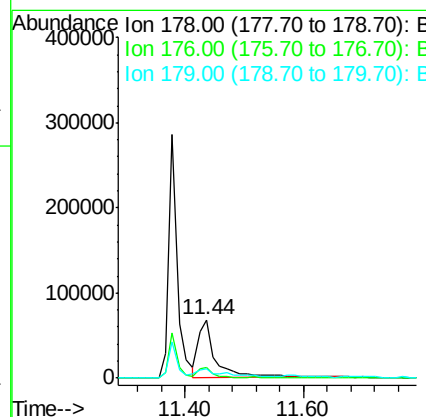
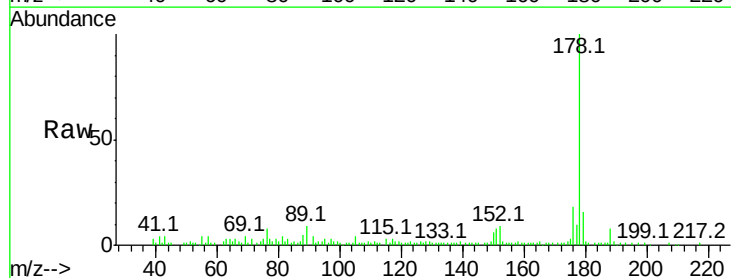
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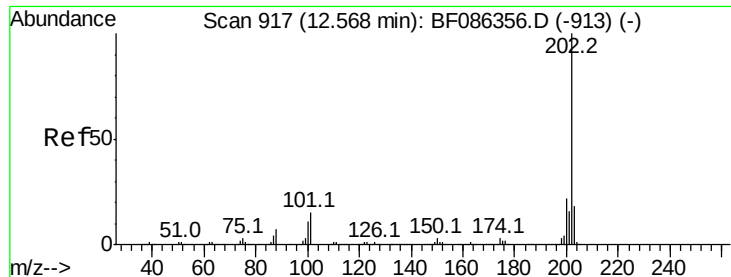
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#71
Anthracene
Concen: 4.10 ng
RT: 11.44 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF086388.D
Acq: 23 Apr 2016 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	136988		
176	18.2		15.6	23.4
179	16.4		12.7	19.1





#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

Instrument :

BNA_F

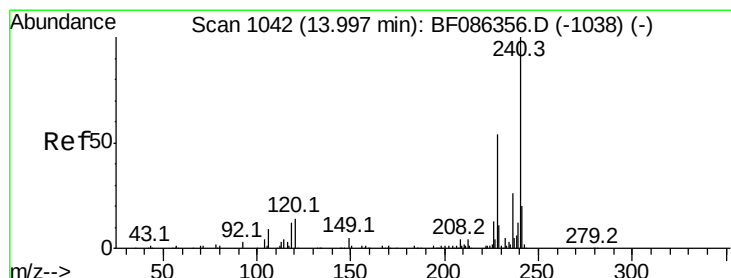
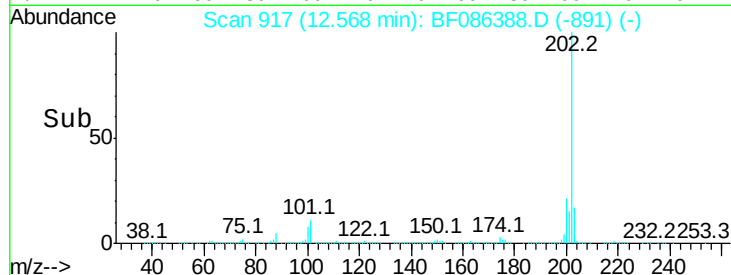
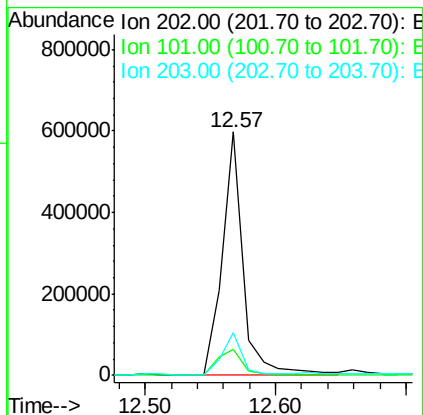
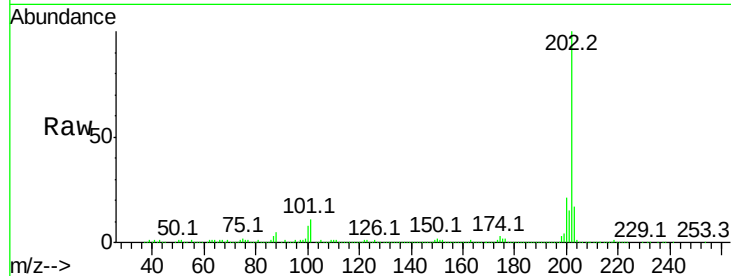
ClientSampleId :

WPG-B9(0-5)-C

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.8	0.0	35.4
203	17.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

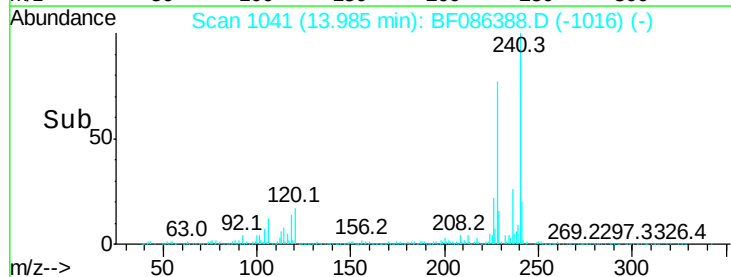
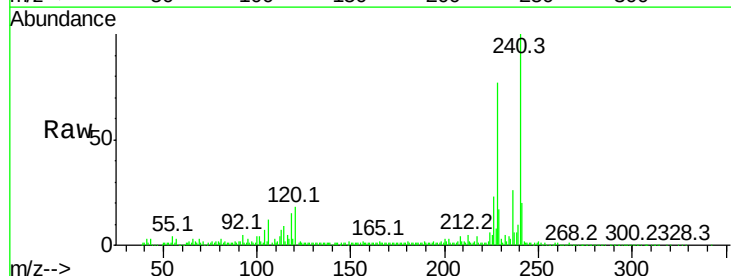
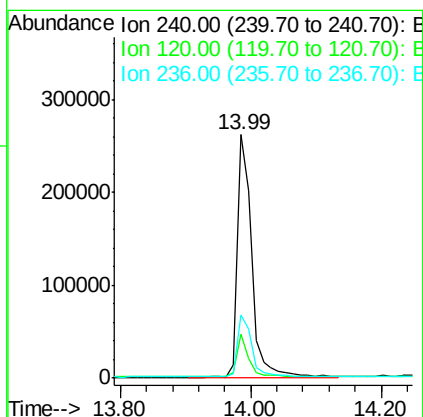
RT: 13.99 min Scan# 1041

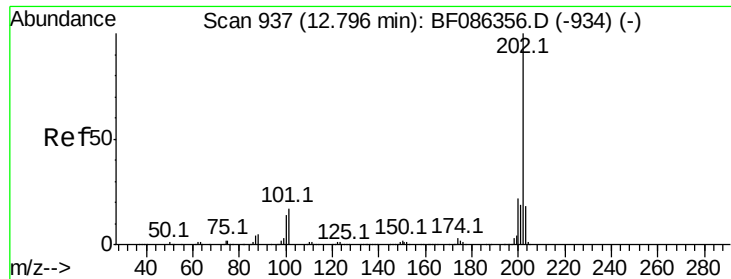
Delta R.T. -0.01 min

Lab File: BF086388.D

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Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	17.8	11.2	16.8#
236	26.0	21.2	31.8





#77

Pvrene

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

Instrument :

BNA_F

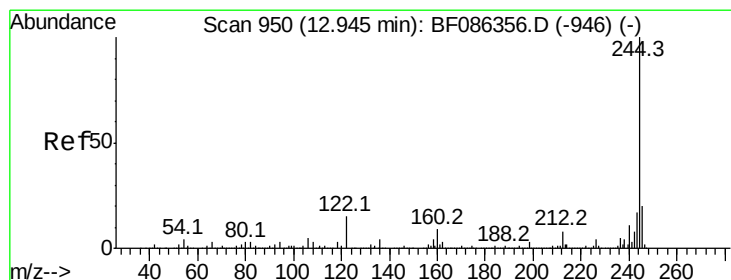
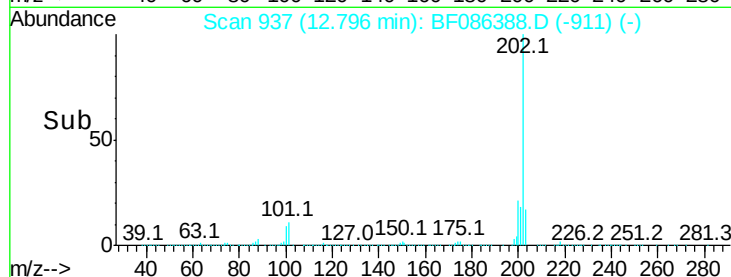
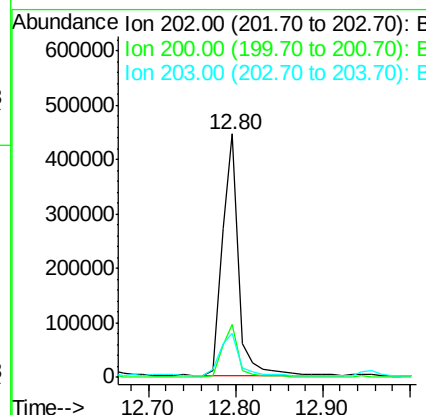
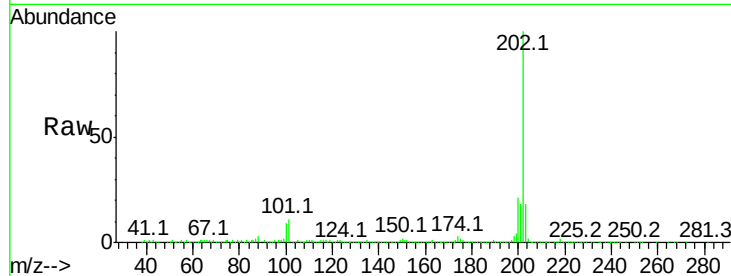
ClientSampleId :

WPG-B9(0-5)-C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	21.5	17.7	26.5		
203	18.0	14.2	21.4		

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#78

Terphenyl-d14

Concen: 67.47 ng

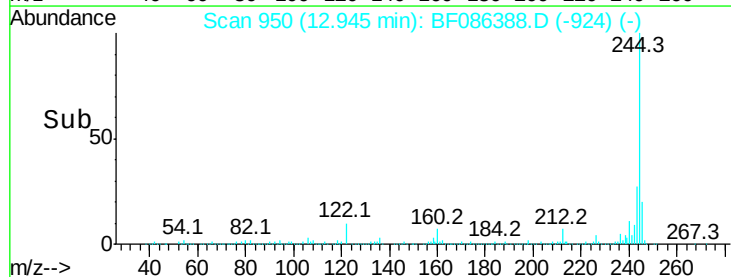
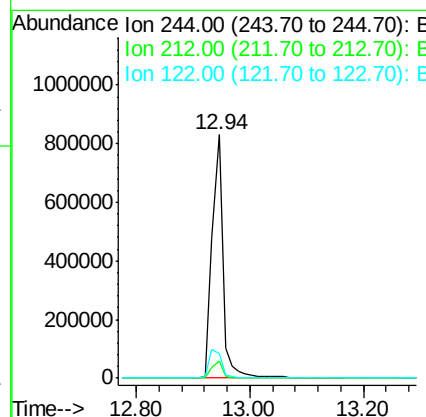
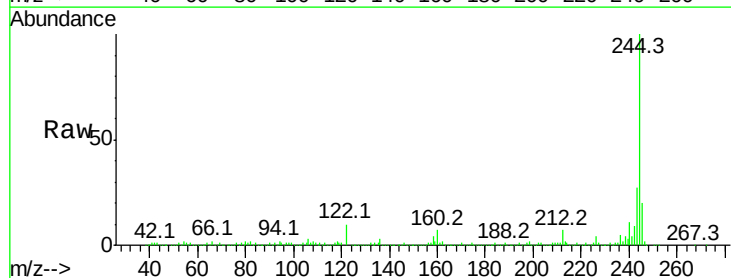
RT: 12.94 min Scan# 950

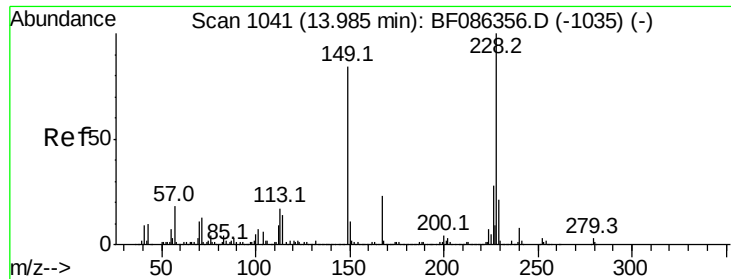
Delta R.T. -0.00 min

Lab File: BF086388.D

Acq: 23 Apr 2016 14:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	7.1	6.2	9.2		
122	10.2	12.0	18.0		





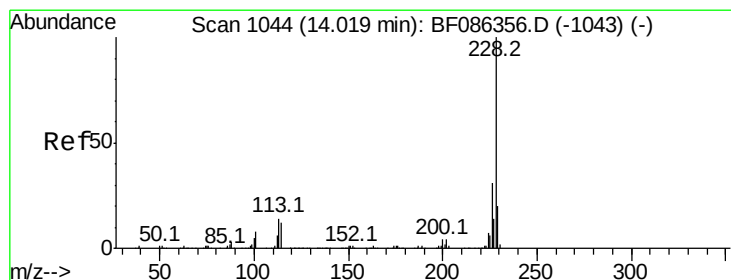
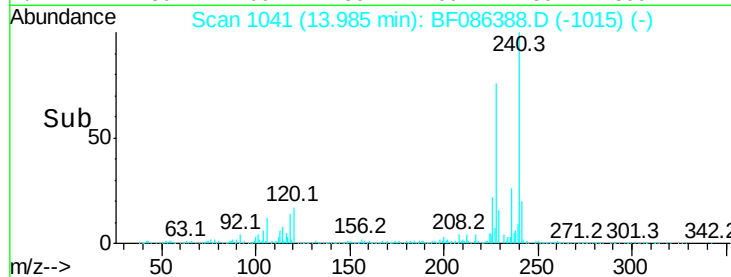
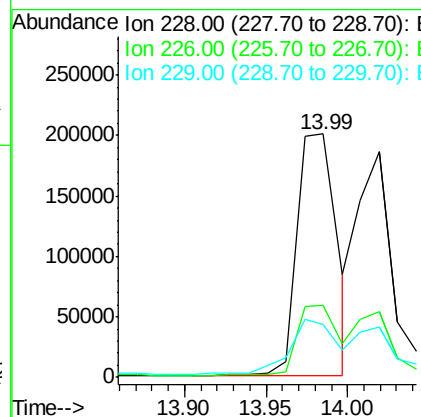
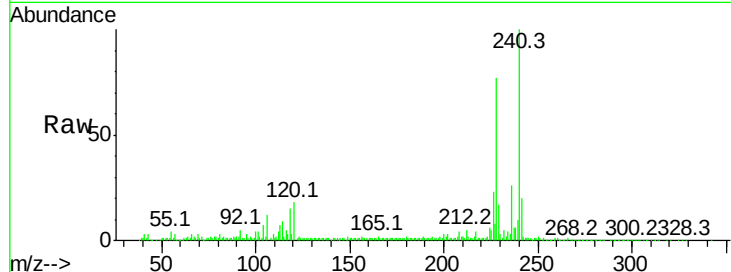
#80
 Benzo(a)anthracene
 Concen: 16.82 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BF086388.D
 Acq: 23 Apr 2016 14:06

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

Tot Ion:	228	Resp:	342545
Ion Ratio	Lower	Upper	
228	100		
226	29.5	22.5	33.7
229	22.0	16.6	25.0

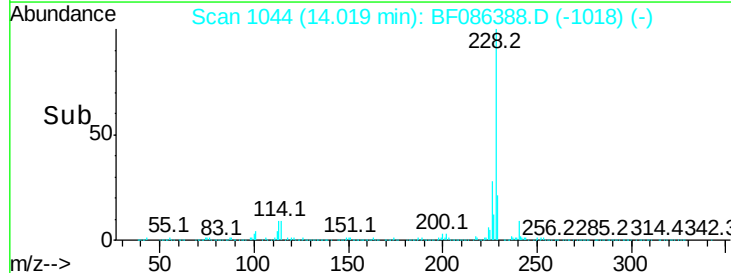
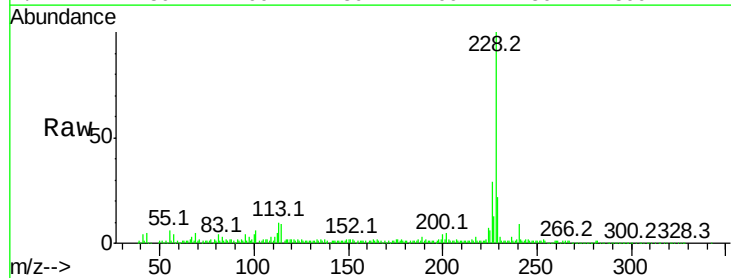
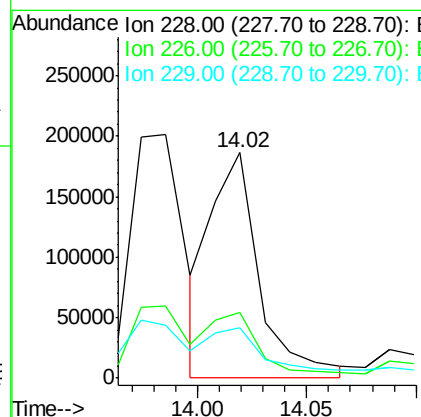
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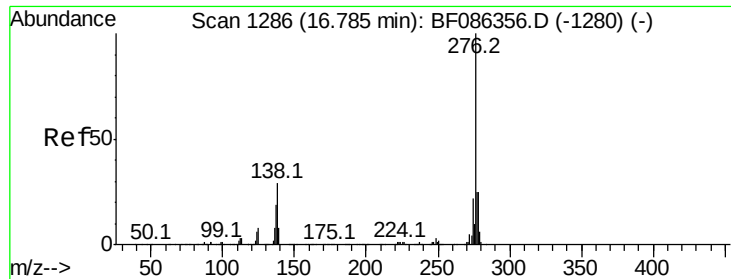
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#82
 Chrysene
 Concen: 12.65 ng m
 RT: 14.02 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: BF086388.D
 Acq: 23 Apr 2016 14:06

Tgt Ion:	228	Resp:	290264
Ion Ratio	Lower	Upper	
228	100		
226	29.4	24.4	36.6
229	22.4	15.8	23.8





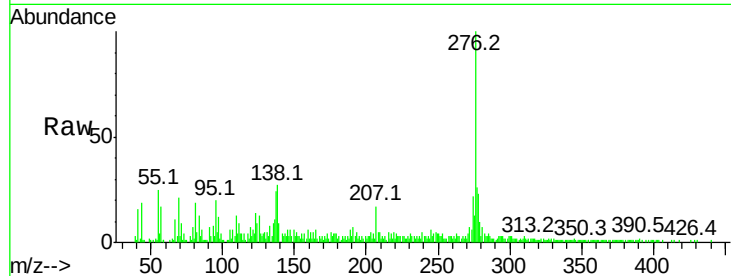
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.01 ng
 RT: 16.79 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: BF086388.D
 Acq: 23 Apr 2016 14:06

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

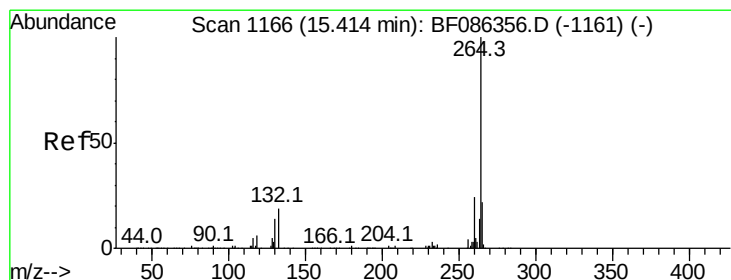
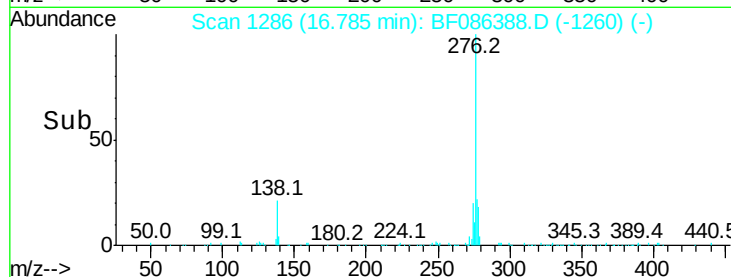
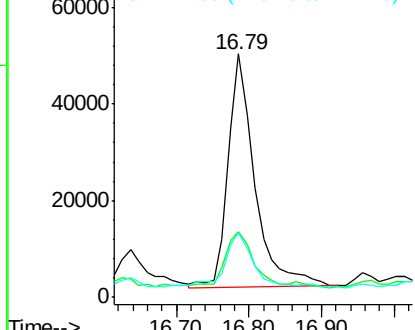
Tot Ion:	276	Resp:	122496
Ion Ratio	Lower	Upper	
276	100		
138	28.5	25.6	38.4
277	25.1	20.5	30.7

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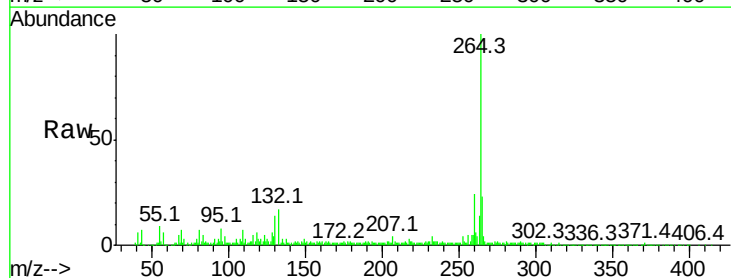


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

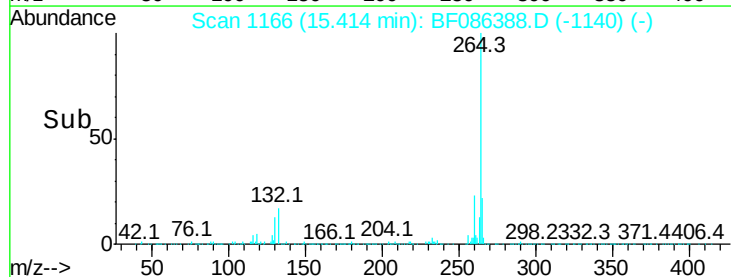
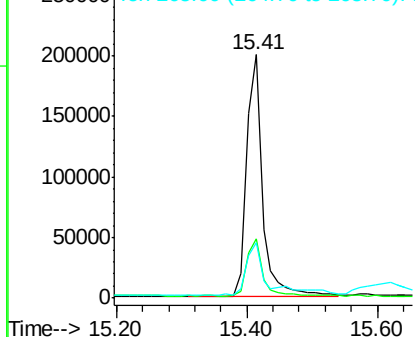


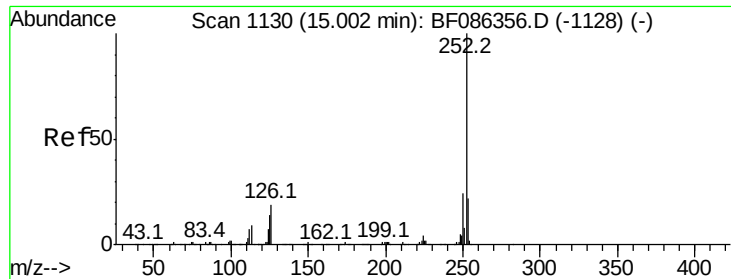
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1166
 Delta R.T. -0.00 min
 Lab File: BF086388.D
 Acq: 23 Apr 2016 14:06

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



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 14.79 ng m

RT: 15.00 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BF086388.D

Acq: 23 Apr 2016 14:06

Instrument :

BNA_F

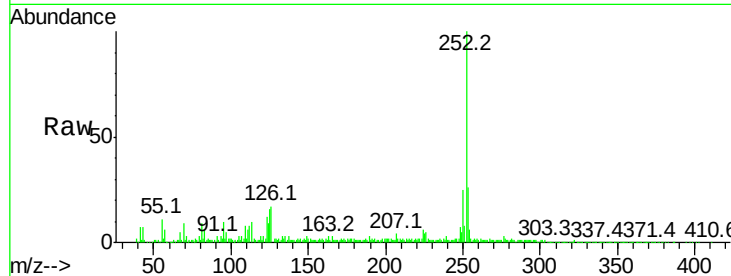
ClientSampleId :

WPG-B9(0-5)-C

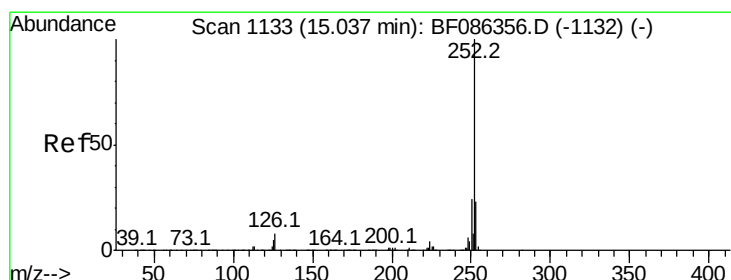
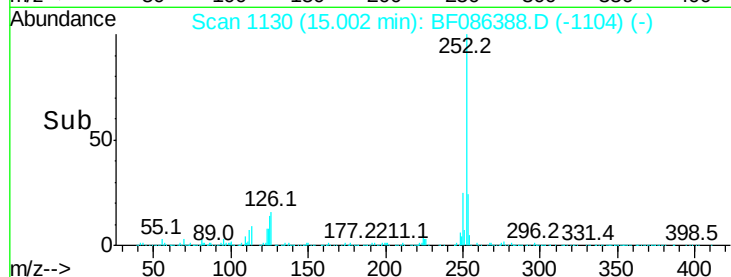
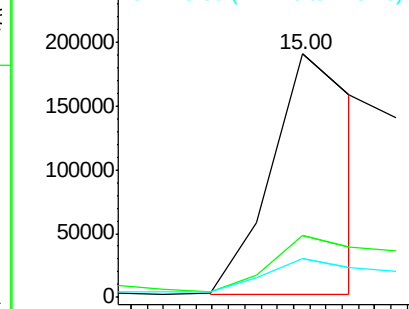
Tot Ion	Ratio	Resp	Lower	Upper
252	100	274810		
253	25.5		17.8	26.6
125	16.1		11.4	17.0

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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



#88

Benzo(k)fluoranthene

Concen: 9.99 ng m

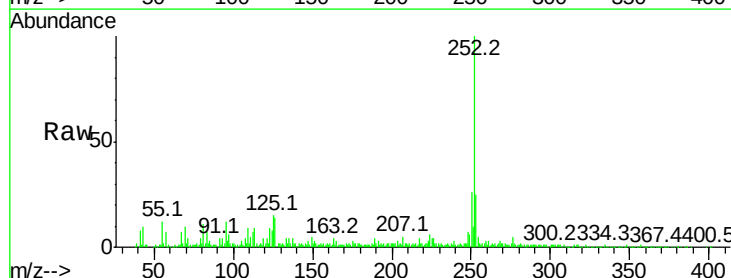
RT: 15.01 min Scan# 1131

Delta R.T. -0.02 min

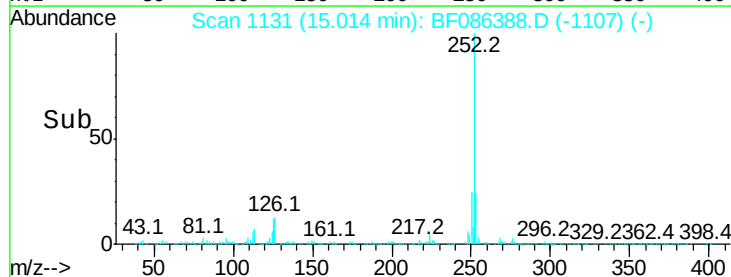
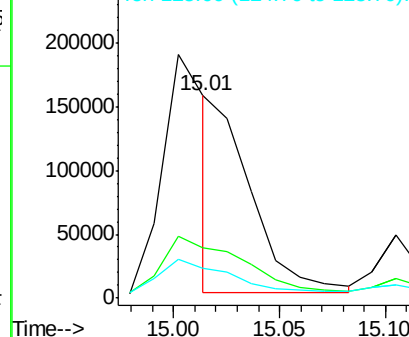
Lab File: BF086388.D

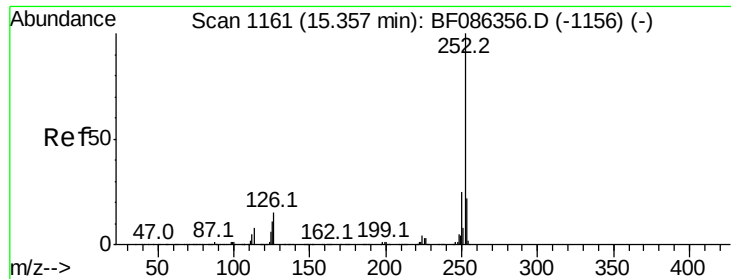
Acq: 23 Apr 2016 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	182183		
253	24.9		17.8	26.6
125	14.8		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





#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

Instrument :

BNA_F

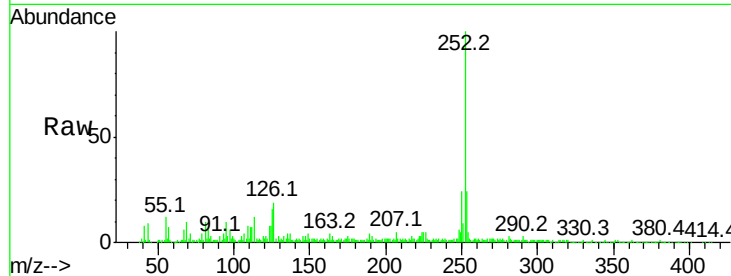
ClientSampleId :

WPG-B9(0-5)-C

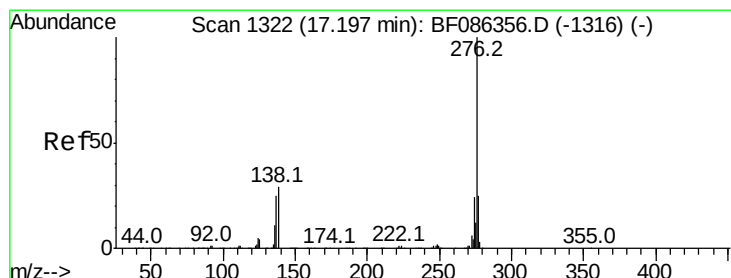
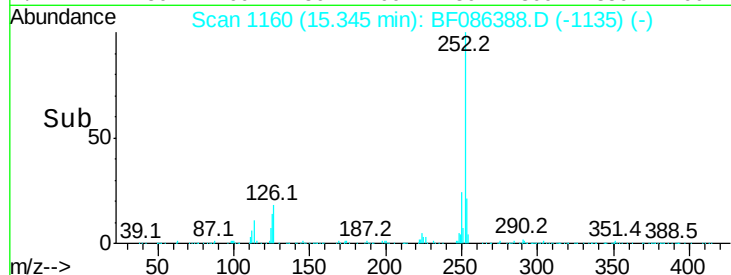
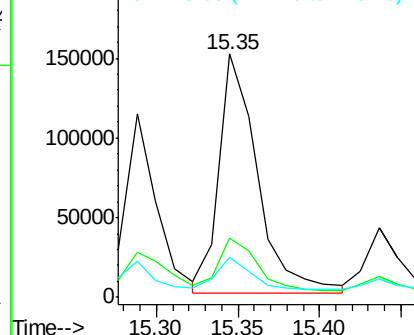
Tot Ion:	252	Resp:	245027
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.2	25.8
125	16.3	9.0	13.6

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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: 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

Tgt Ion:	276	Resp:	108806
Ion Ratio	Lower	Upper	
276	100		
277	26.4	19.6	29.4
138	27.3	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

