

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042216\
 Data File : BF086392.D
 Acq On : 23 Apr 2016 16:02
 Operator : UM/SJ
 Sample : H2640-07
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B13(5-9)-C

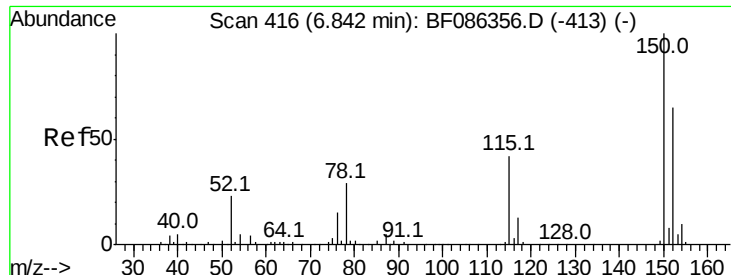
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Quant Time: Apr 25 05:44:17 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 23 00:24:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	180913	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	711181	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	325211	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	544869	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	376742	20.00	ng	-0.01
86) Perylene-d12	15.40	264	313747	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1412365	134.82	ng	0.02
7) Phenol-d6	6.48	99	1710900	120.13	ng	0.00
23) Nitrobenzene-d5	7.40	82	1117263	93.06	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	357100	121.30	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1799930	94.45	ng	0.00
78) Terphenyl-d14	12.94	244	1235236	81.46	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.60	163	237988	10.13	ng	100
70) Phenanthrene	11.38	178	245415	8.96	ng	99
71) Anthracene	11.44	178	76666	2.44	ng	100
74) Fluoranthene	12.57	202	266145	9.01	ng	95
77) Pyrene	12.80	202	233008	8.87	ng	99
80) Benzo(a)anthracene	13.98	228	87469	4.47	ng	99
82) Chrysene	14.02	228	80929m	3.67	ng	
87) Benzo(b)fluoranthene	15.00	252	62514m	3.63	ng	
88) Benzo(k)fluoranthene	15.01	252	43416m	2.57	ng	
89) Benzo(a)pyrene	15.35	252	60751	3.58	ng	# 88

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.00 min

Lab File: BF086392.D

Acq: 23 Apr 2016 16:02

Instrument :

BNA_F

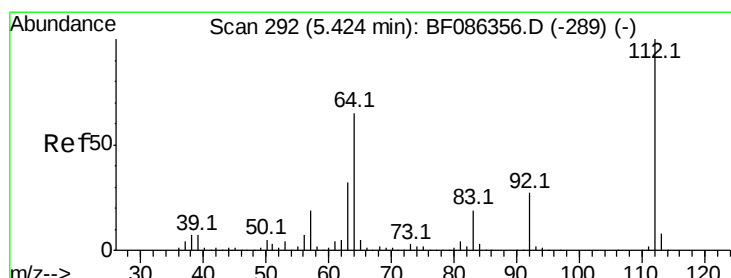
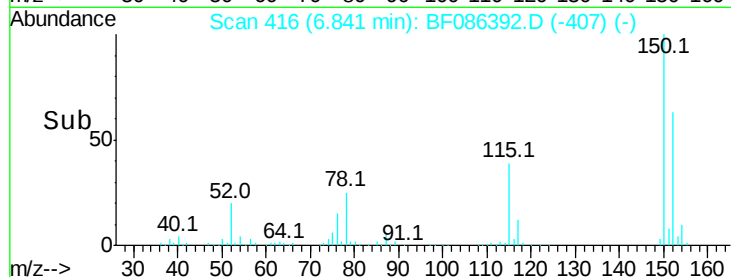
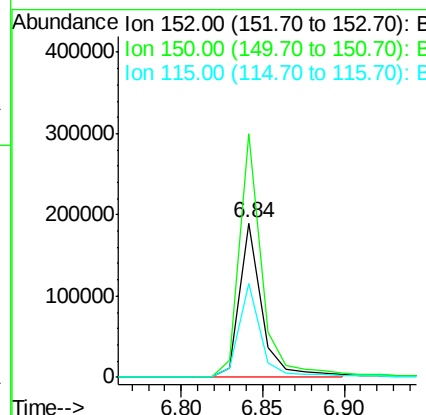
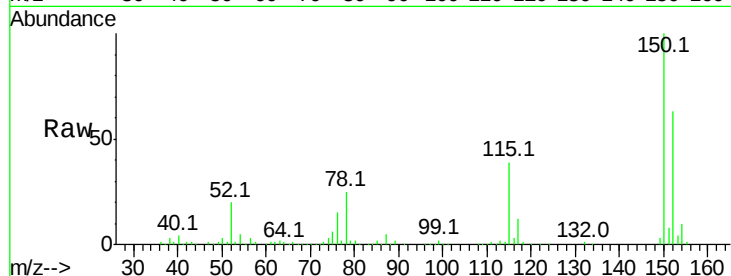
ClientSampleId :

WPG-B13(5-9)-C

Tot Ion:	152	Resp:	180913
Ion Ratio	Lower	Upper	
152	100		
150	157.9	125.8	188.6
115	61.2	51.5	77.3

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#5

2-Fluorophenol

Concen: 134.82 ng

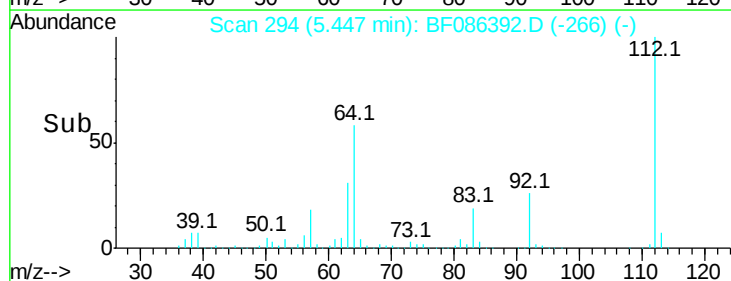
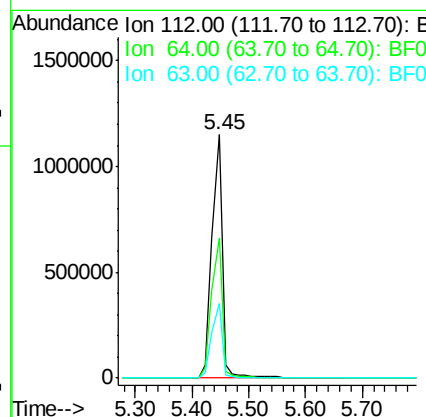
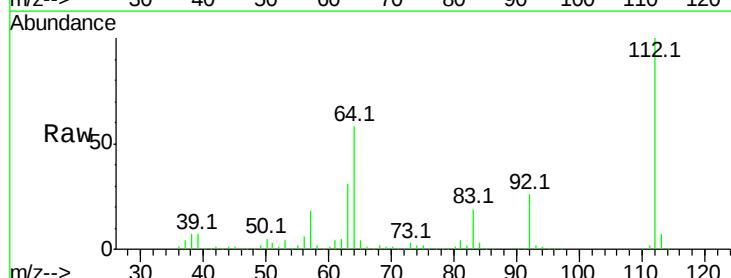
RT: 5.45 min Scan# 294

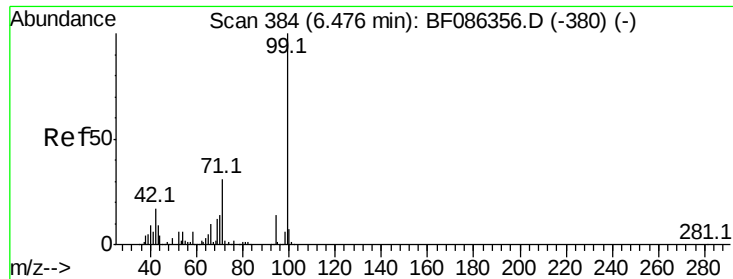
Delta R.T. 0.02 min

Lab File: BF086392.D

Acq: 23 Apr 2016 16:02

Tgt Ion:	112	Resp:	1412365
Ion Ratio	Lower	Upper	
112	100		
64	57.6	52.1	78.1
63	30.6	25.7	38.5





#7

Phenol-d6

Concen: 120.13 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF086392.D

Acq: 23 Apr 2016 16:02

Instrument :

BNA_F

ClientSampleId :

WPG-B13(5-9)-C

Tot Ion: 99 Resp: 1710900

Ion Ratio Lower Upper

99 100

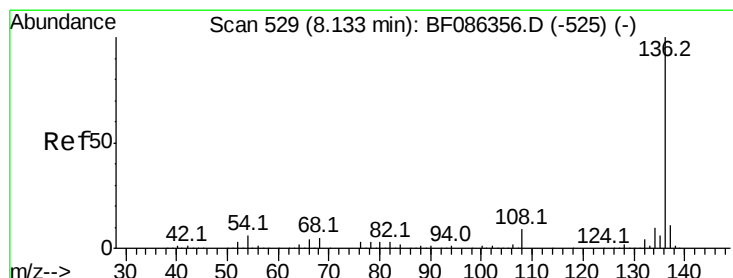
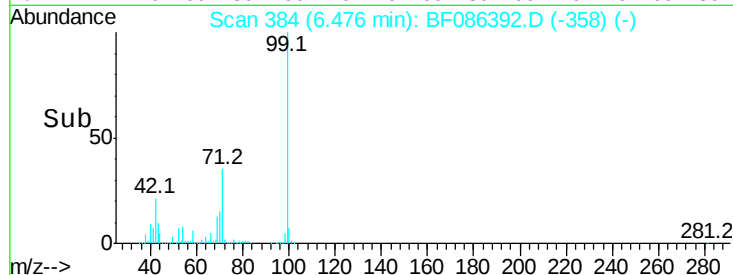
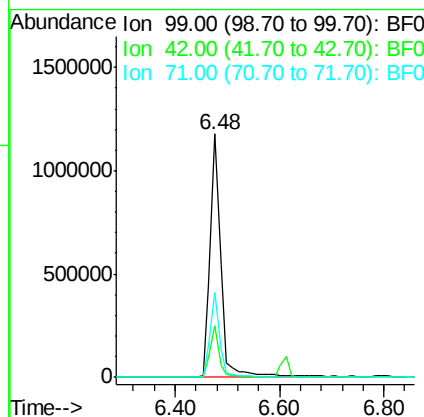
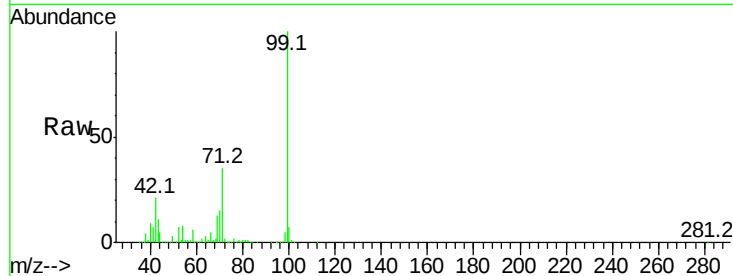
42 21.3 13.6 20.4#

71 35.0 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: BF086392.D

Acq: 23 Apr 2016 16:02

Tgt Ion: 136 Resp: 711181

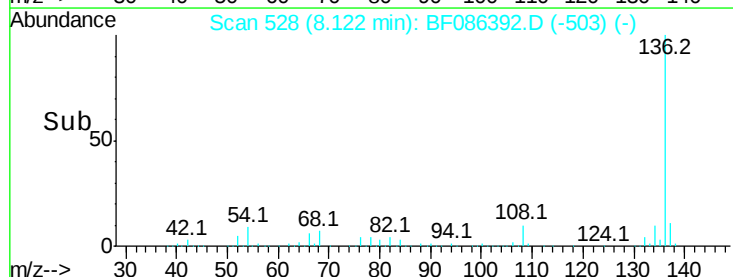
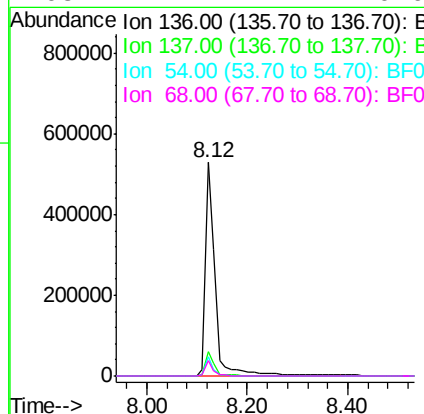
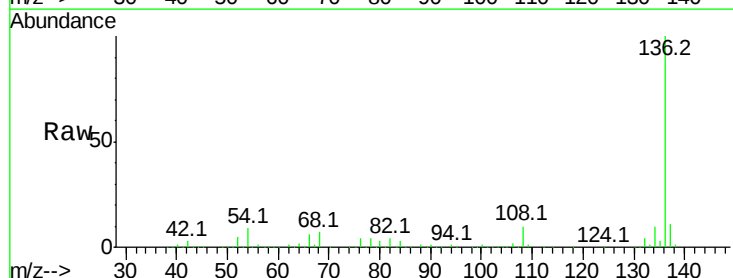
Ion Ratio Lower Upper

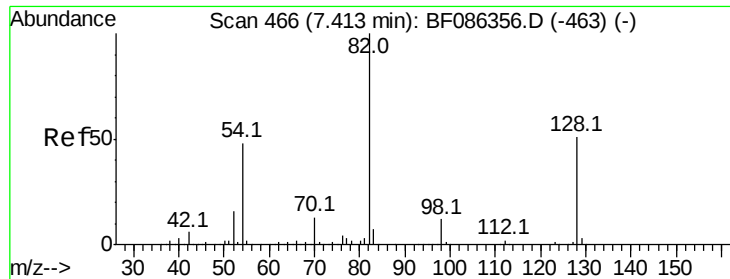
136 100

137 11.2 8.8 13.2

54 8.9 5.0 7.4#

68 7.2 4.4 6.6#





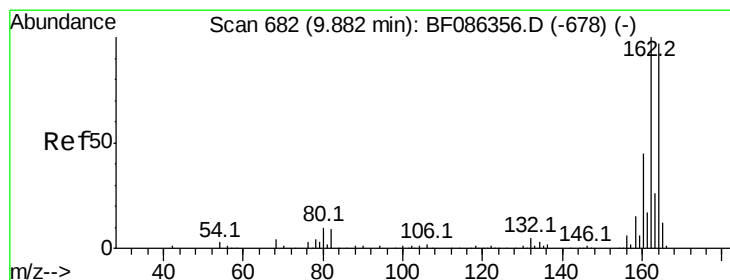
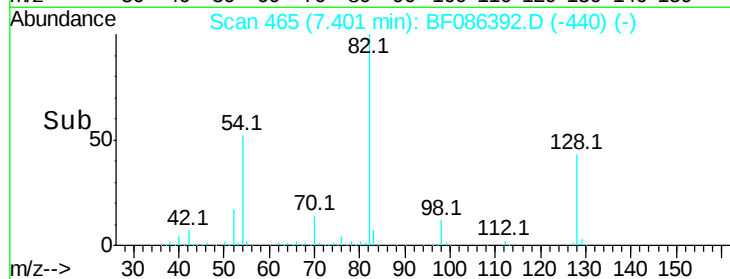
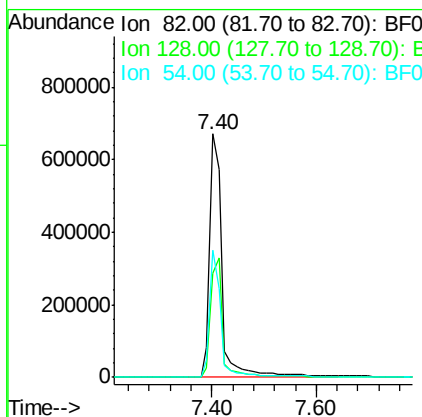
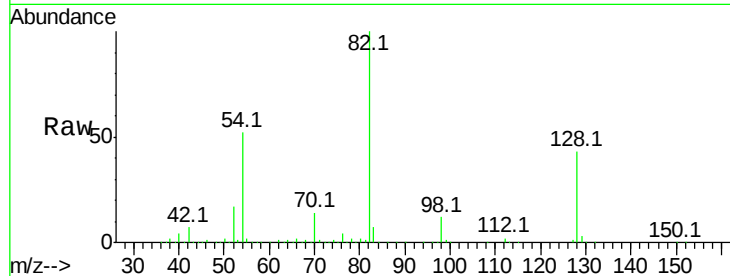
#23
 Nitrobenzene-d5
 Concen: 93.06 ng
 RT: 7.40 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: BF086392.D
 Acq: 23 Apr 2016 16:02

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B13(5-9)-C

Tot Ion	82	Resp	1117263
Ion	Ratio	Lower	Upper
82	100		
128	42.7	40.6	61.0
54	52.2	38.1	57.1

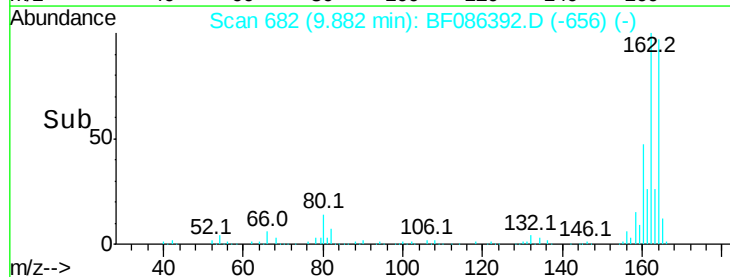
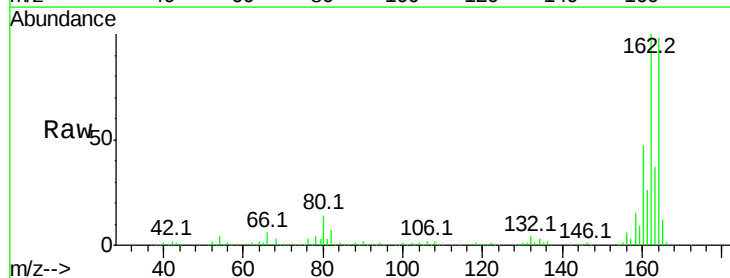
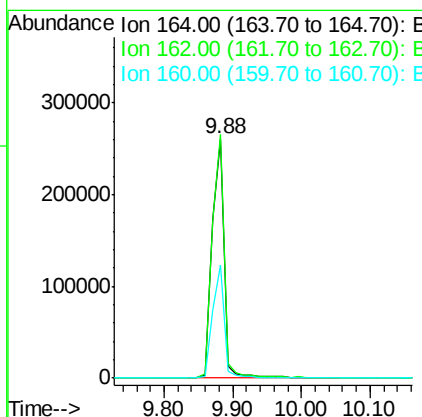
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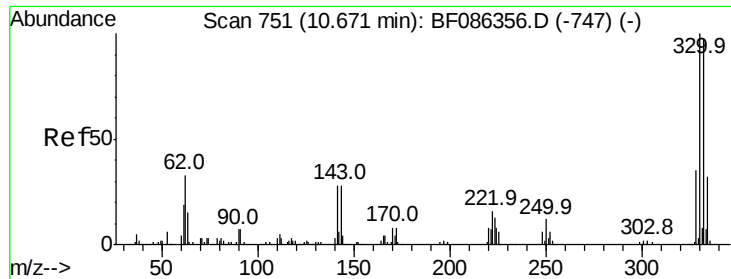
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.00 min
 Lab File: BF086392.D
 Acq: 23 Apr 2016 16:02

Tgt Ion	164	Resp	325211
Ion	Ratio	Lower	Upper
164	100		
162	101.9	82.8	124.2
160	47.4	36.9	55.3





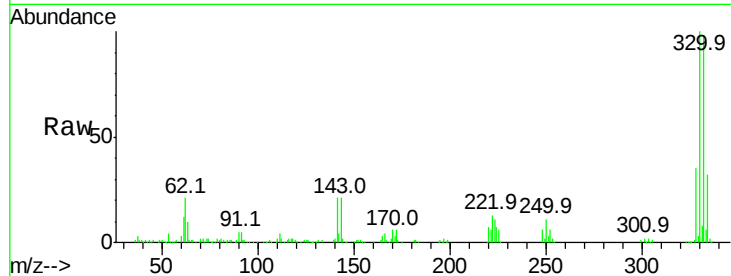
#41
 2,4,6-Tribromophenol
 Concen: 121.30 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: BF086392.D
 Acq: 23 Apr 2016 16:02

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B13(5-9)-C

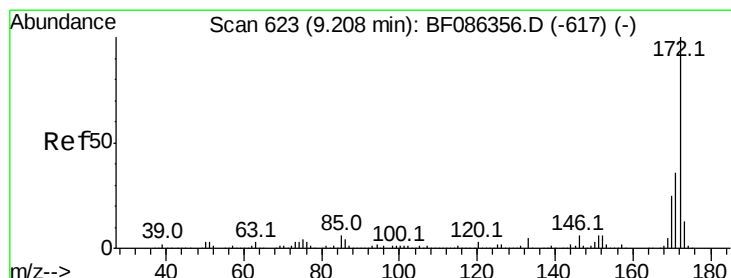
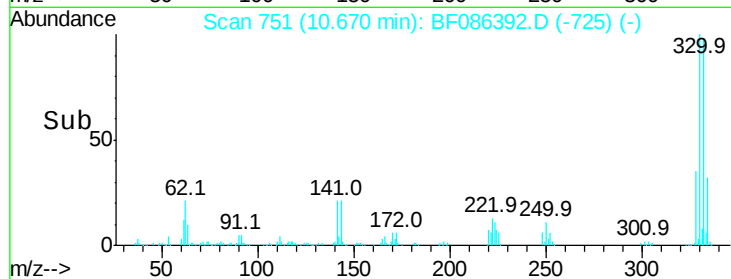
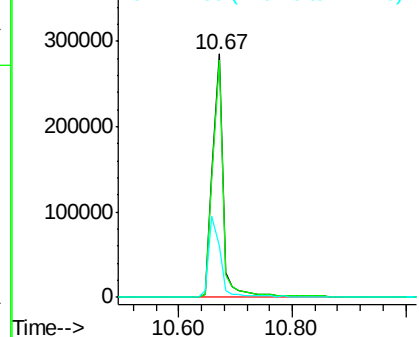
Tot Ion	Ratio	Resp	Lower	Upper
330	100	357100		
332	97.1	79.0	118.4	
141	36.1	31.2	46.8	

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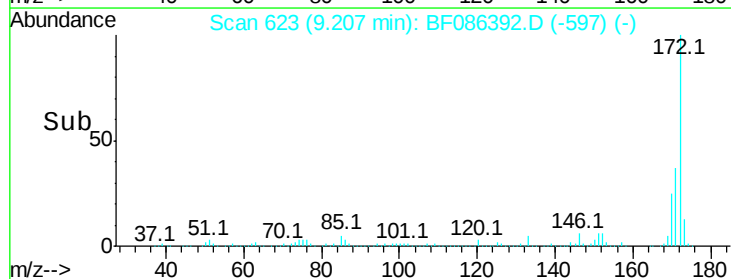
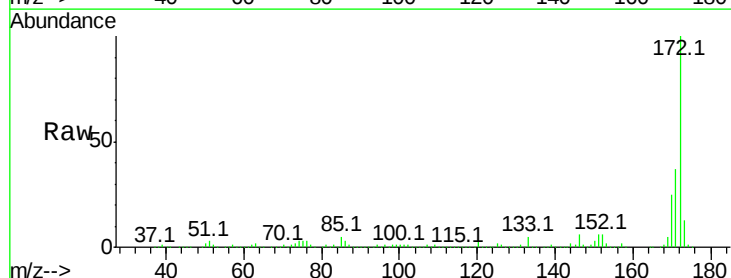
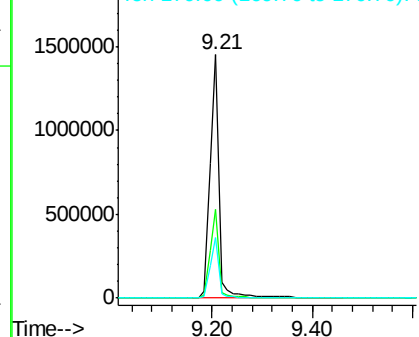
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

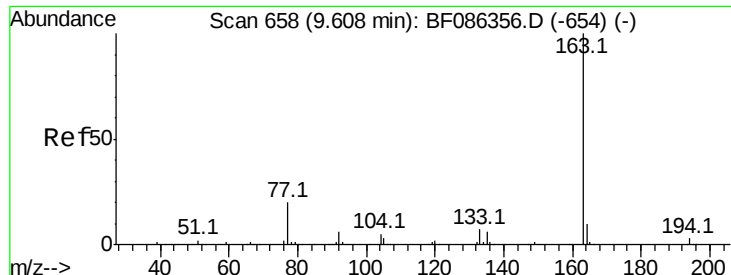


#44
 2-Fluorobiphenyl
 Concen: 94.45 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: BF086392.D
 Acq: 23 Apr 2016 16:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1799930		
171	36.6	29.0	43.6	
170	24.6	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





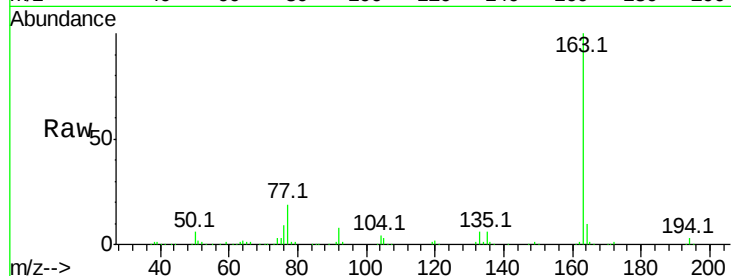
#49
Dimethylphthalate
Concen: 10.13 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.01 min
Lab File: BF086392.D
Acq: 23 Apr 2016 16:02

Instrument :
BNA_F
ClientSampleId :
WPG-B13(5-9)-C

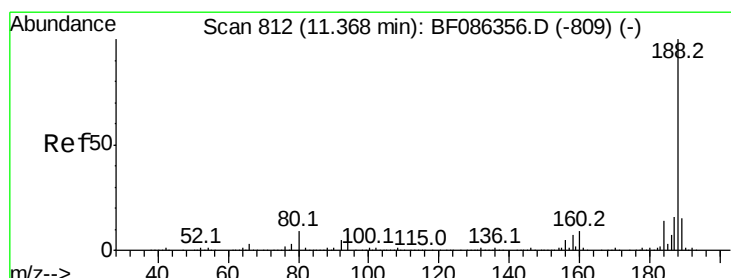
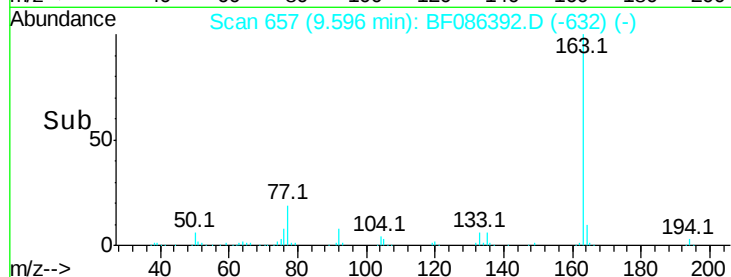
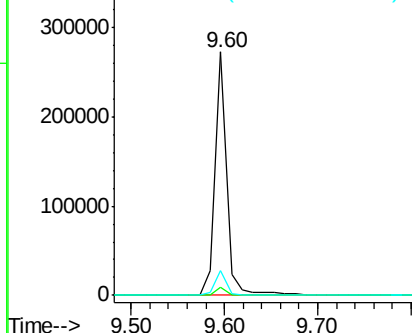
Tot Ion	Ratio	Resp	Lower	Upper
163	100	237988		
194	3.2		2.6	4.0
164	10.2		8.2	12.4

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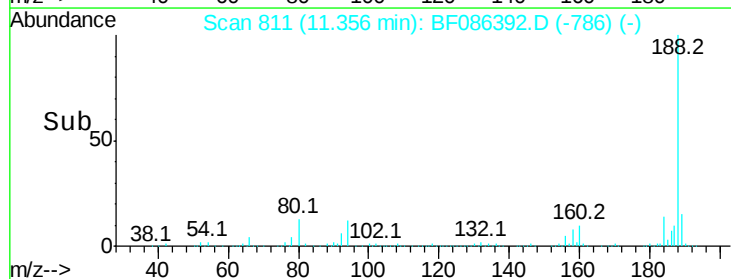
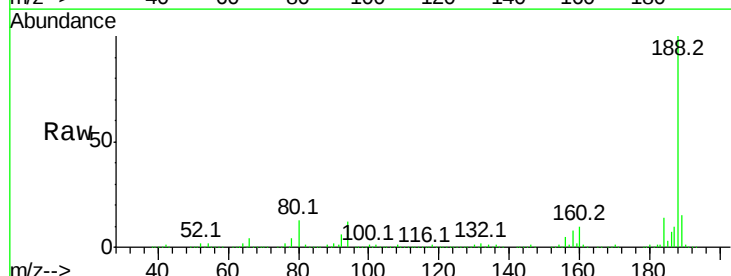
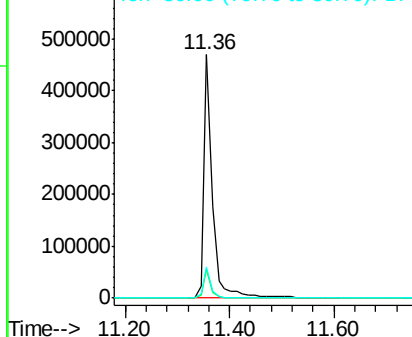
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

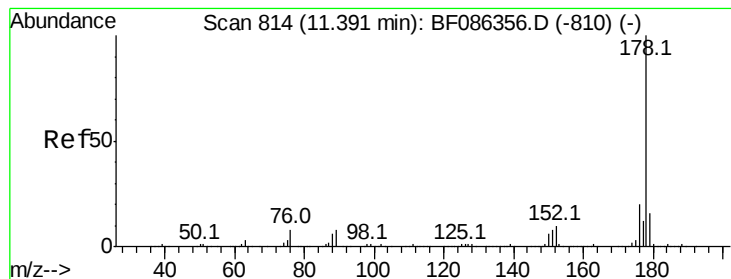


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF086392.D
Acq: 23 Apr 2016 16:02

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	544869		
94	11.6		6.8	10.2#
80	13.0		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: 8.96 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.01 min

Lab File: BF086392.D

Acq: 23 Apr 2016 16:02

Instrument :

BNA_F

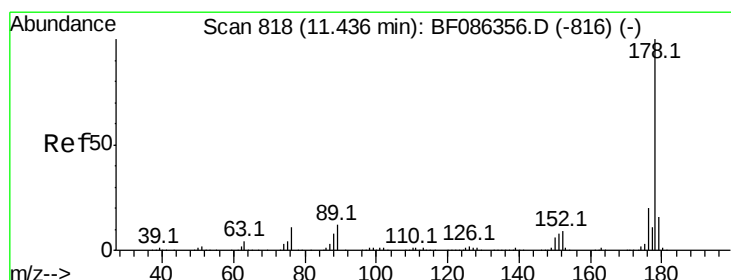
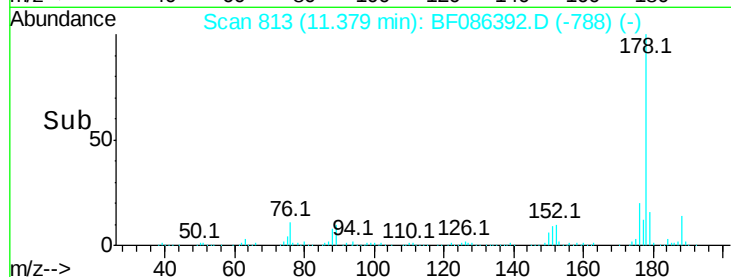
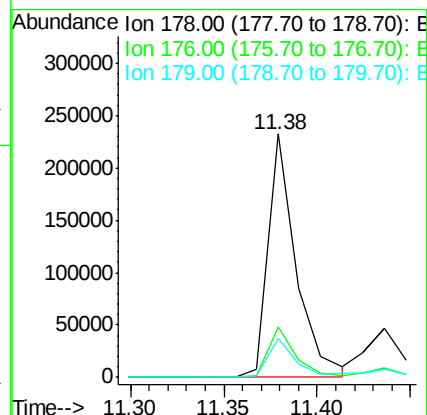
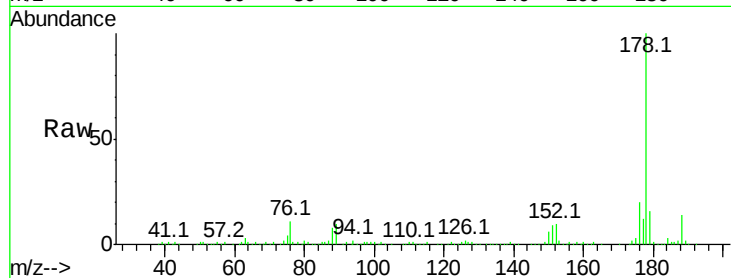
ClientSampleId :

WPG-B13(5-9)-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.0	24.0
179	15.8	12.6	18.8

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#71

Anthracene

Concen: 2.44 ng

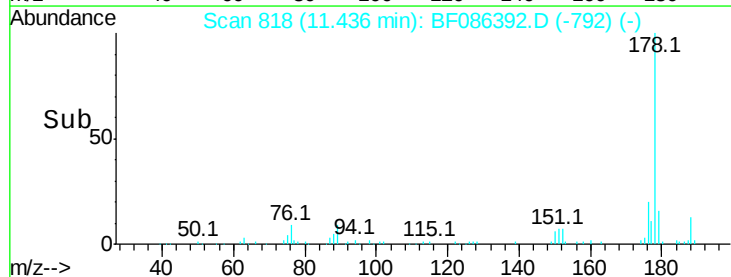
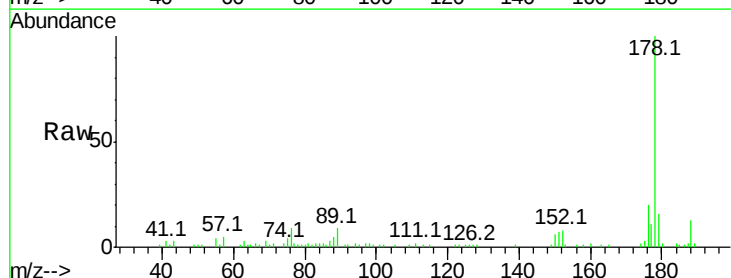
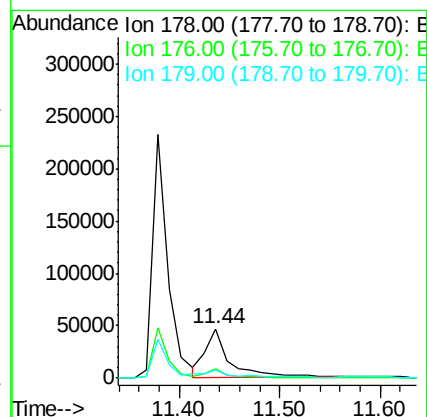
RT: 11.44 min Scan# 818

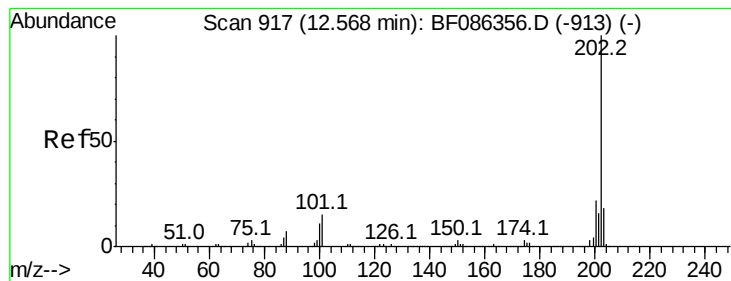
Delta R.T. -0.00 min

Lab File: BF086392.D

Acq: 23 Apr 2016 16:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.6	23.4
179	15.9	12.7	19.1





#74

Fluoranthene

Concen: 9.01 ng

RT: 12.57 min Scan# 917

Delta R.T. -0.00 min

Lab File: BF086392.D

Acq: 23 Apr 2016 16:02

Instrument :

BNA_F

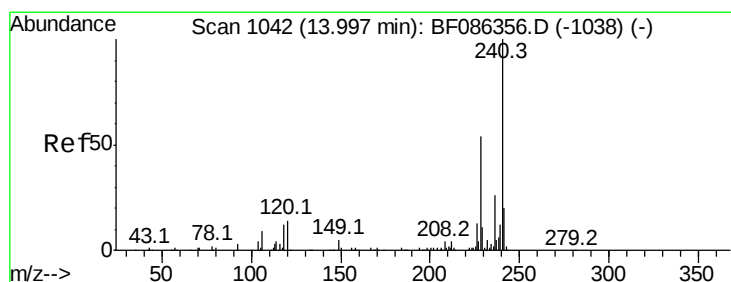
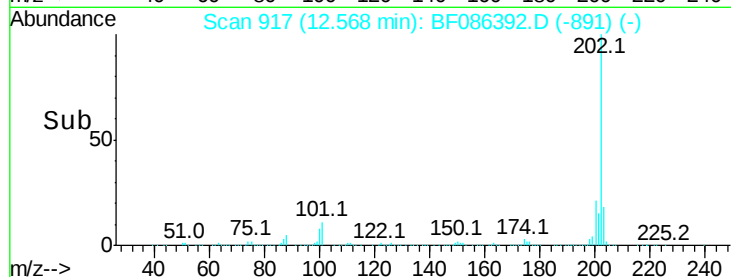
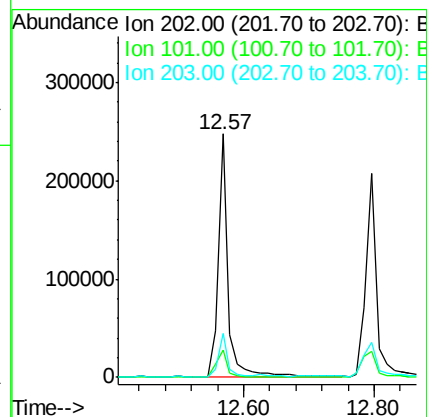
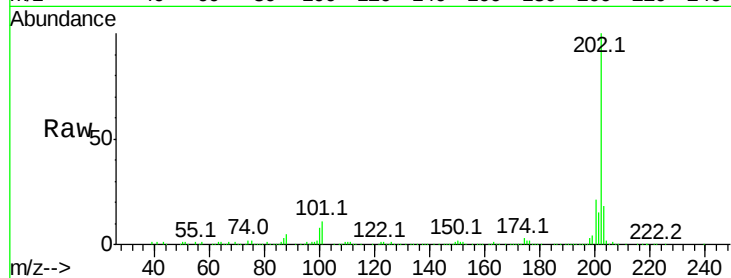
ClientSampleId :

WPG-B13(5-9)-C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		266145		
101	11.4	0.0	35.4		
203	17.8	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.00 ng

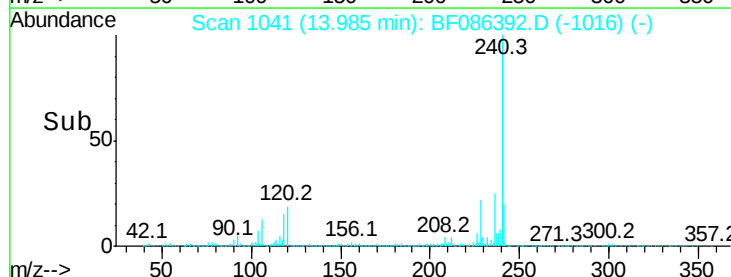
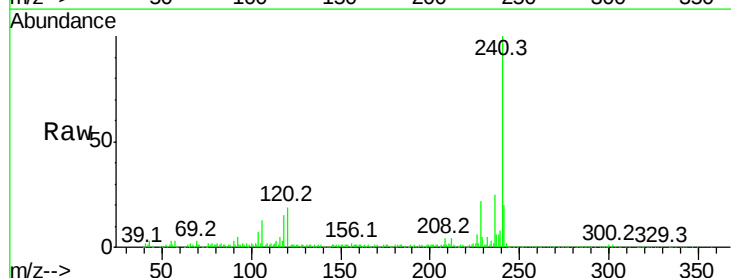
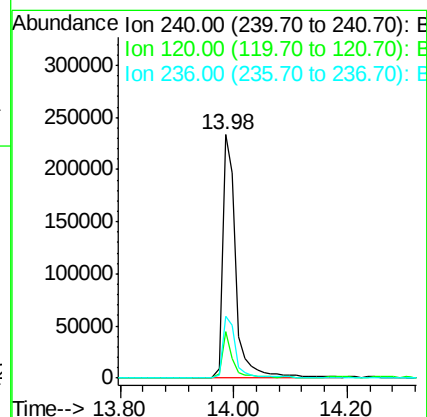
RT: 13.98 min Scan# 1041

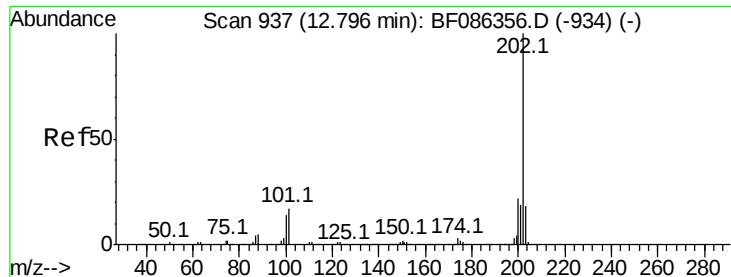
Delta R.T. -0.01 min

Lab File: BF086392.D

Acq: 23 Apr 2016 16:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		376742		
120	18.8	11.2	16.8#		
236	25.4	21.2	31.8		





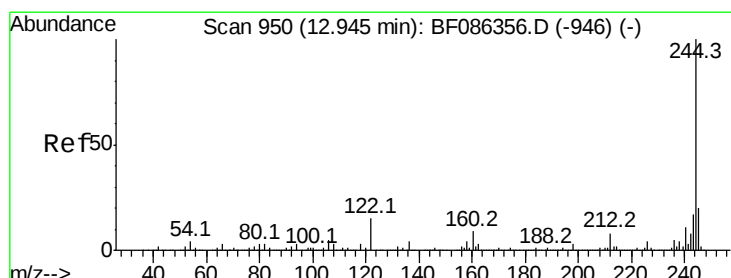
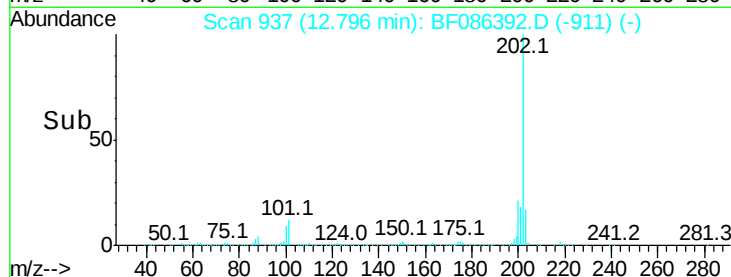
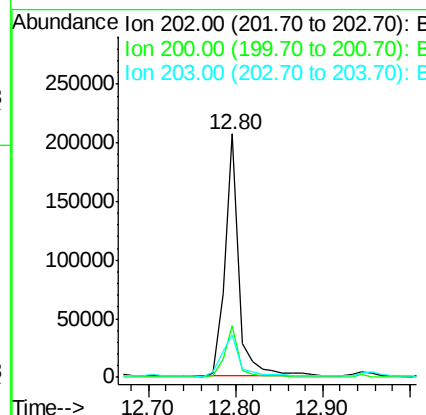
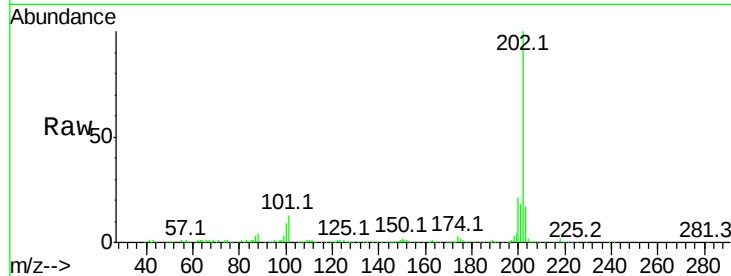
#77
Pvrene
Concen: 8.87 ng
RT: 12.80 min Scan# 937
Delta R.T. -0.00 min
Lab File: BF086392.D
Acq: 23 Apr 2016 16:02

Instrument :
BNA_F
ClientSampleId :
WPG-B13(5-9)-C

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.7	26.5
203	17.4	14.2	21.4

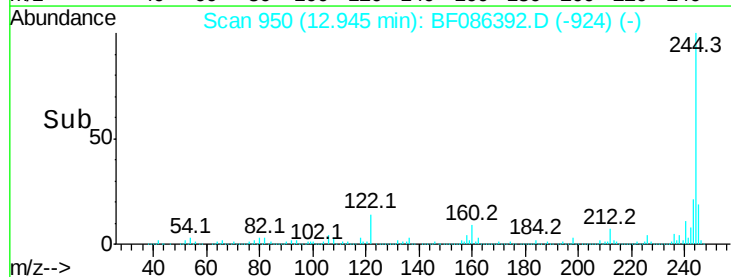
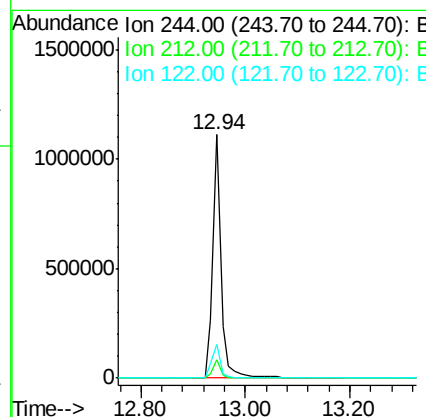
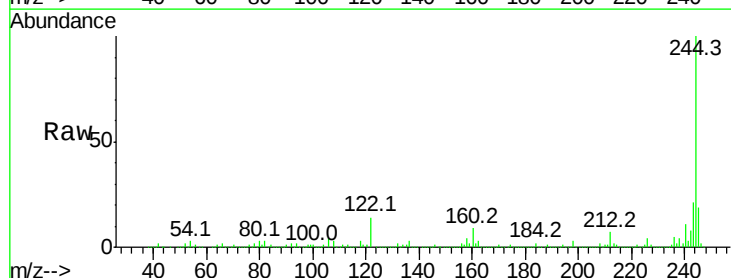
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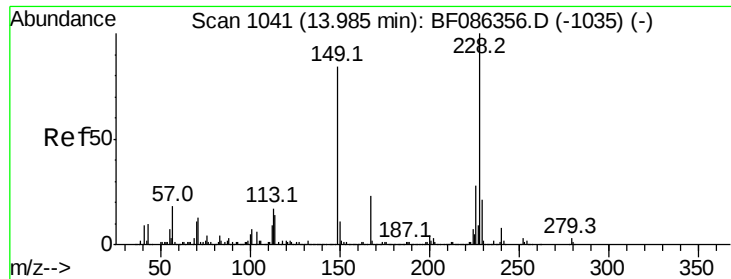
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#78
Terphenyl-d14
Concen: 81.46 ng
RT: 12.94 min Scan# 950
Delta R.T. -0.00 min
Lab File: BF086392.D
Acq: 23 Apr 2016 16:02

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.2
122	13.7	12.0	18.0





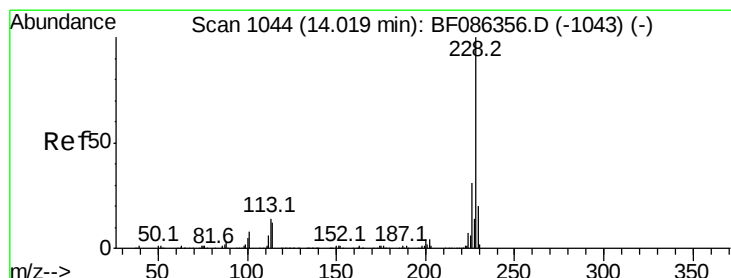
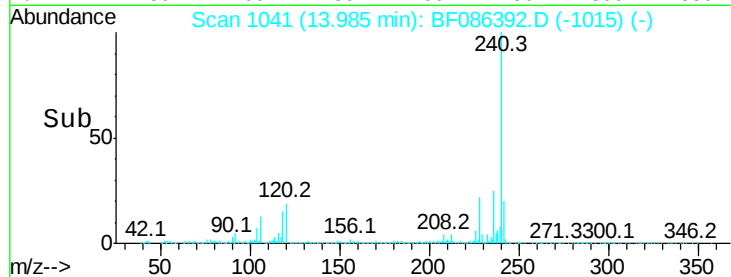
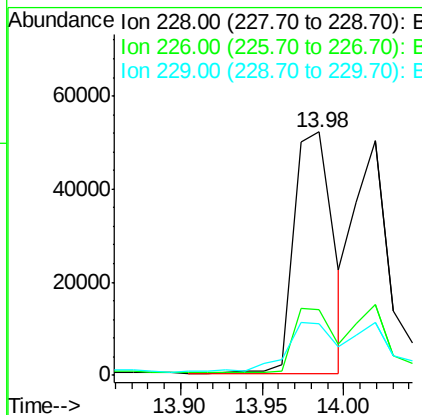
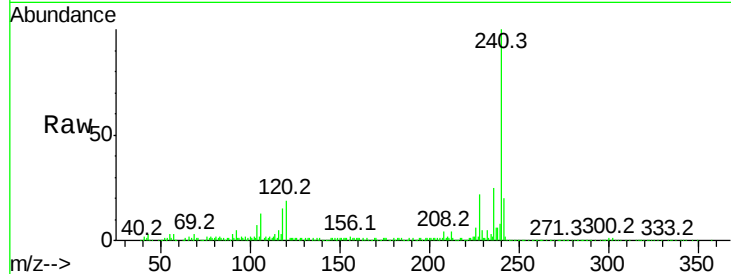
#80
 Benzo(a)anthracene
 Concen: 4.47 ng
 RT: 13.98 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BF086392.D
 Acq: 23 Apr 2016 16:02

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B13(5-9)-C

Tot Ion:	228	Resp:	87469
Ion Ratio	Lower	Upper	
228	100		
226	27.1	22.5	33.7
229	21.3	16.6	25.0

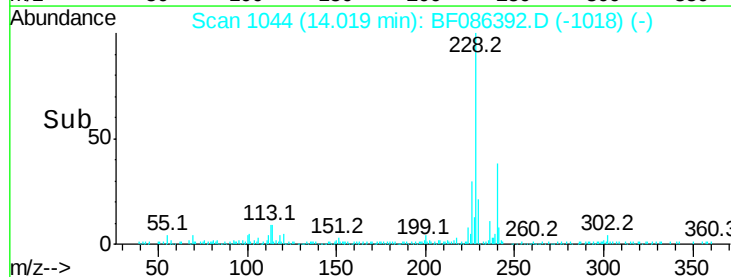
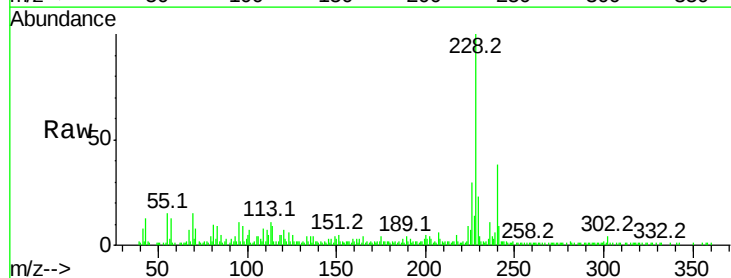
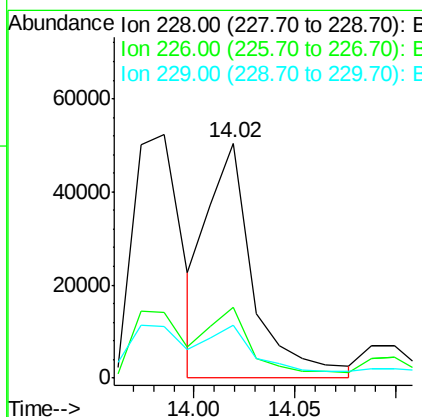
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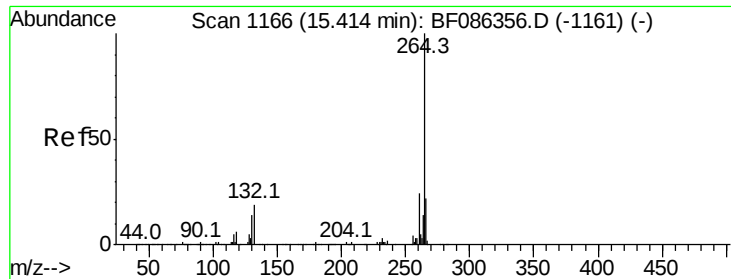
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#82
 Chrysene
 Concen: 3.67 ng m
 RT: 14.02 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: BF086392.D
 Acq: 23 Apr 2016 16:02

Tgt Ion:	228	Resp:	80929
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.4	36.6
229	22.6	15.8	23.8





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.40 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF086392.D

Acq: 23 Apr 2016 16:02

Instrument :

BNA_F

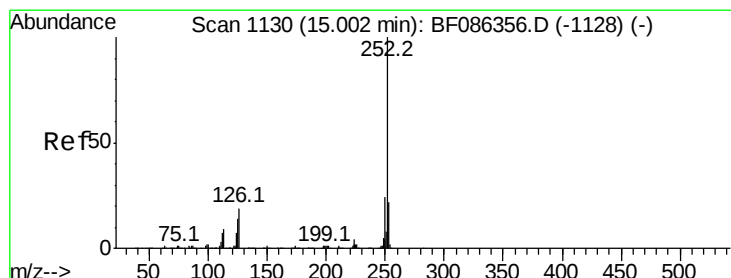
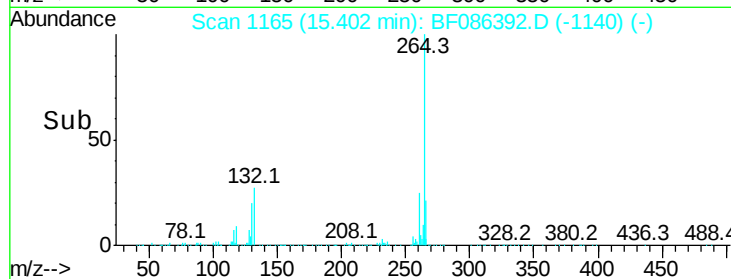
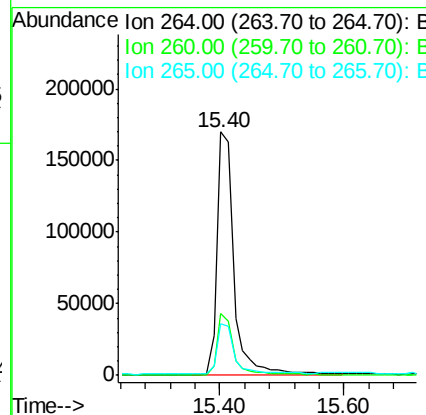
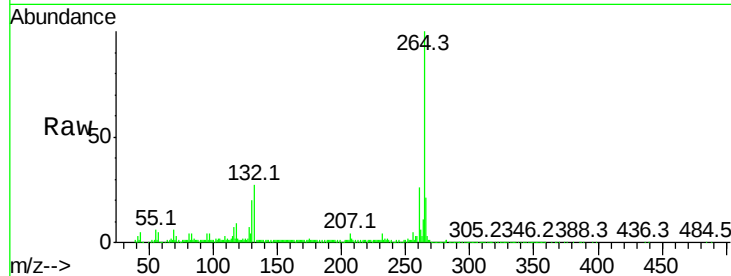
ClientSampleId :

WPG-B13(5-9)-C

Tot Ion:	264	Resp:	313747
Ion Ratio	Lower	Upper	
264	100		
260	25.6	19.5	29.3
265	21.4	17.3	25.9

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#87

Benzo(b)fluoranthene

Concen: 3.63 ng m

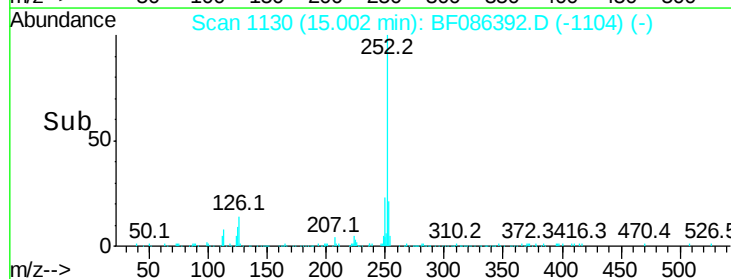
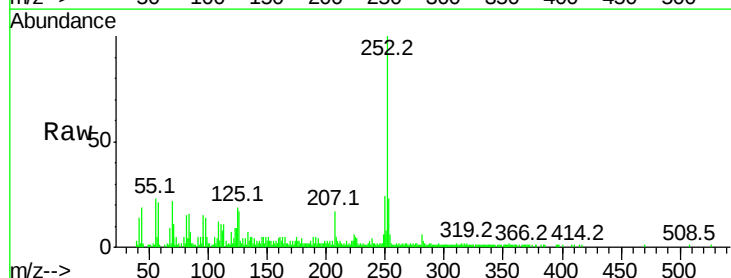
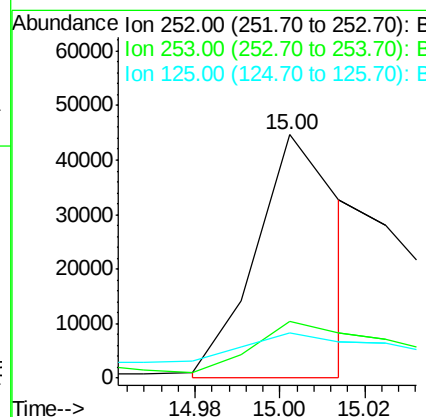
RT: 15.00 min Scan# 1130

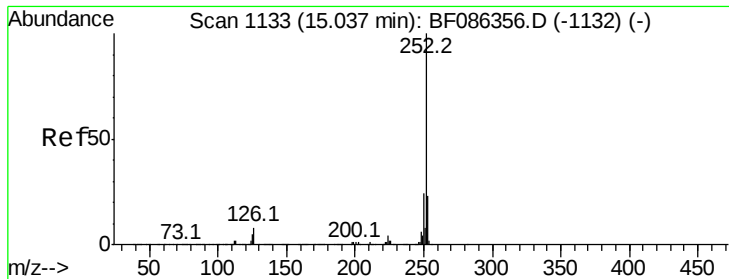
Delta R.T. -0.00 min

Lab File: BF086392.D

Acq: 23 Apr 2016 16:02

Tgt Ion:	252	Resp:	62514
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.8	26.6
125	18.7	11.4	17.0#





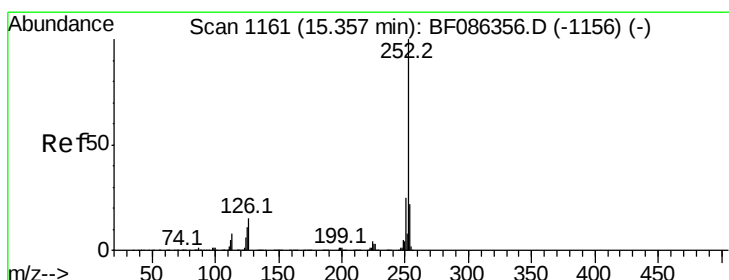
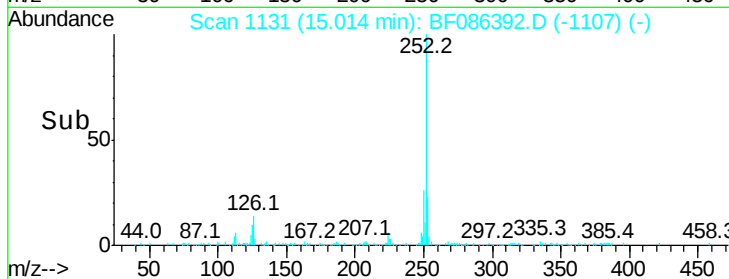
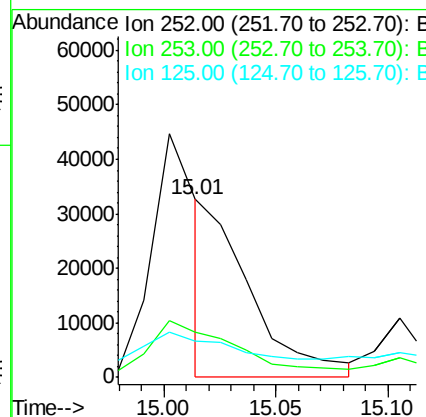
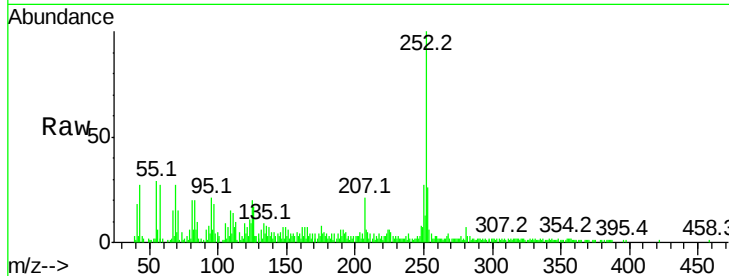
#88
Benzo(k)fluoranthene
Concen: 2.57 ng m
RT: 15.01 min Scan# 1131
Delta R.T. -0.02 min
Lab File: BF086392.D
Acq: 23 Apr 2016 16:02

Instrument :
BNA_F
ClientSampleId :
WPG-B13(5-9)-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.8	26.6
125	20.4	9.1	13.7

Manual Integrations
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#89
Benzo(a)pyrene
Concen: 3.58 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF086392.D
Acq: 23 Apr 2016 16:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.2	25.8
125	20.1	9.0	13.6

