

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042216\
 Data File : BF086400.D
 Acq On : 23 Apr 2016 19:55
 Operator : UM/SJ
 Sample : H2640-21
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B7(0-6)-C

Manual Integrations
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Quant Time: Apr 25 06:46:50 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	192914	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	742292	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	308663	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	494990	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	340480	20.00	ng	0.00
86) Perylene-d12	15.43	264	241692	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1046684	93.70	ng	0.01
7) Phenol-d6	6.48	99	1365482	89.91	ng	0.00
23) Nitrobenzene-d5	7.40	82	891213	71.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	178934	64.04	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1435179	79.35	ng	0.00
78) Terphenyl-d14	12.94	244	952750	69.53	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.60	163	204168	9.16	ng	100
70) Phenanthrene	11.38	178	254460	10.23	ng	100
71) Anthracene	11.44	178	134877	4.73	ng	99
74) Fluoranthene	12.57	202	605724	22.58	ng	99
77) Pyrene	12.80	202	573336	24.14	ng	99
80) Benzo(a)anthracene	13.99	228	299283	16.93	ng	93
82) Chrysene	14.02	228	222127m	11.15	ng	
85) Indeno(1,2,3-cd)pyrene	16.81	276	102691	5.80	ng	96
87) Benzo(b)fluoranthene	15.01	252	207169m	15.62	ng	
88) Benzo(k)fluoranthene	15.03	252	132155m	10.15	ng	
89) Benzo(a)pyrene	15.37	252	171317	13.09	ng	# 85
91) Benzo(a,h,i)perylene	17.23	276	100946	9.06	ng	93

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

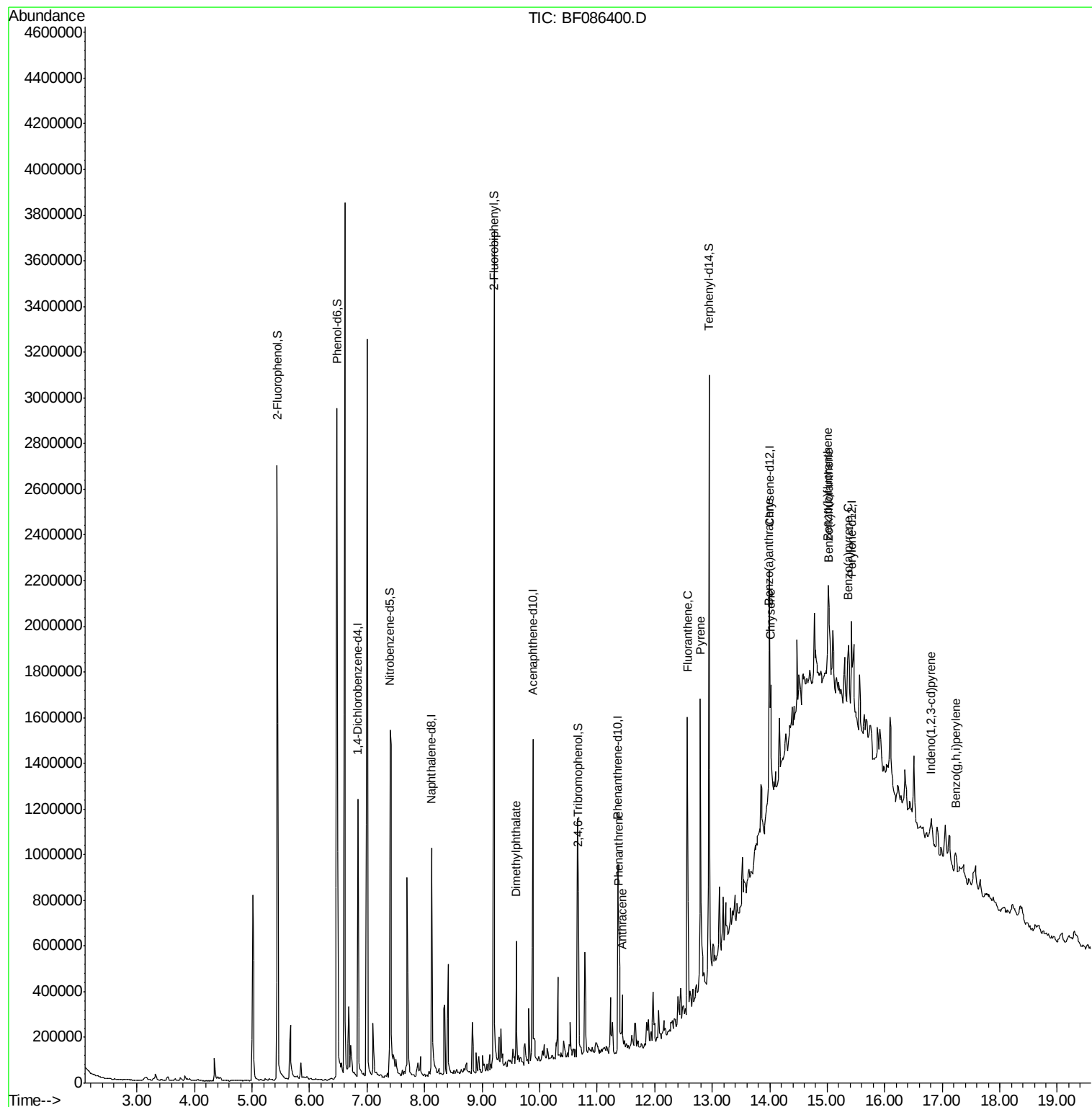
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042216\
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ALS Vial : 44 Sample Multiplier: 1

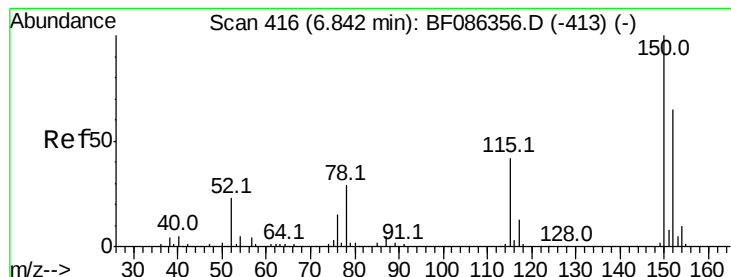
Instrument :
BNA_F
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WPG-B7(0-6)-C

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042216.M
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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: BF086400.D

Acq: 23 Apr 2016 19:55

Instrument :

BNA_F

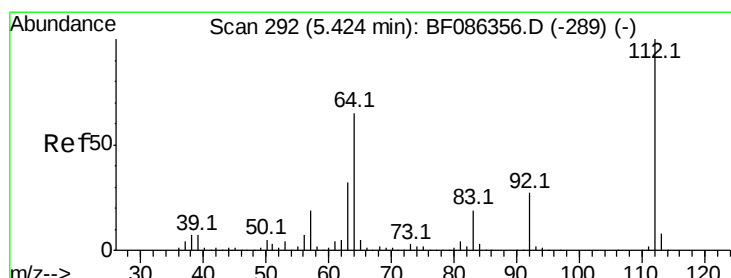
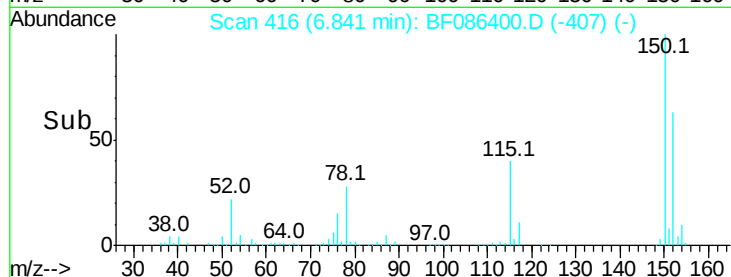
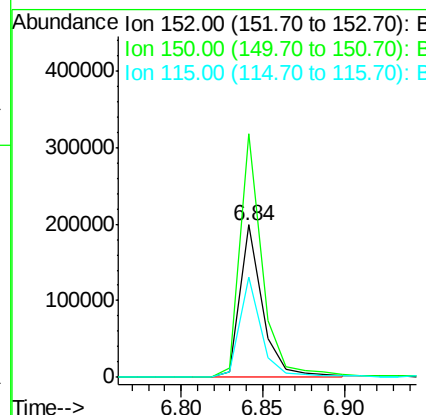
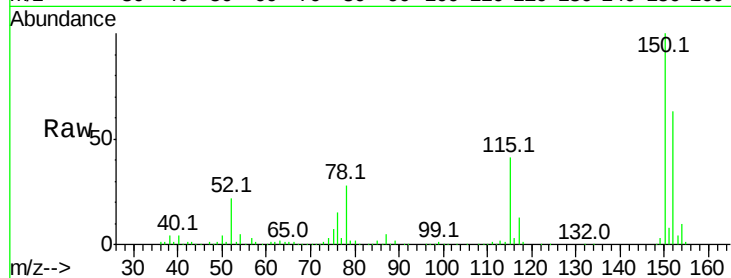
ClientSampleId :

WPG-B7(0-6)-C

Tot Ion:	152	Resp:	192914
Ion Ratio	Lower	Upper	
152	100		
150	159.5	125.8	188.6
115	66.0	51.5	77.3

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#5

2-Fluorophenol

Concen: 93.70 ng

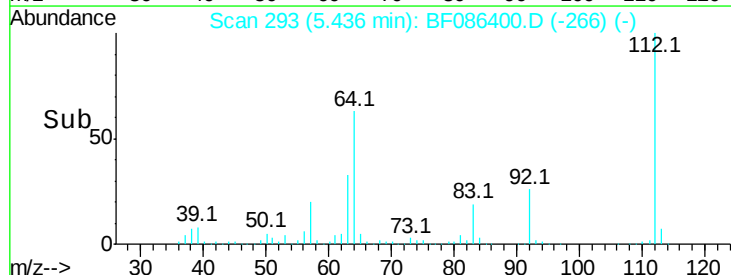
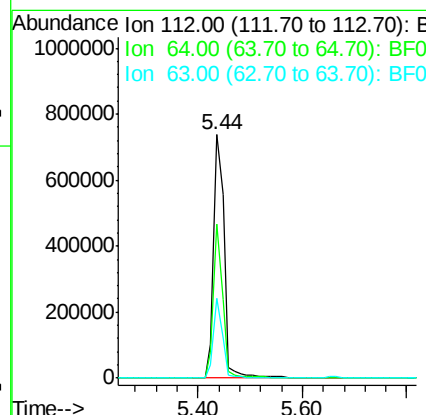
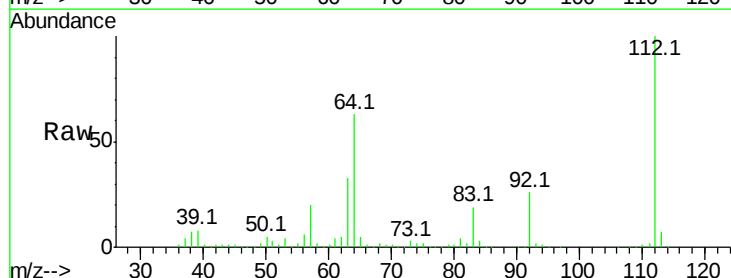
RT: 5.44 min Scan# 293

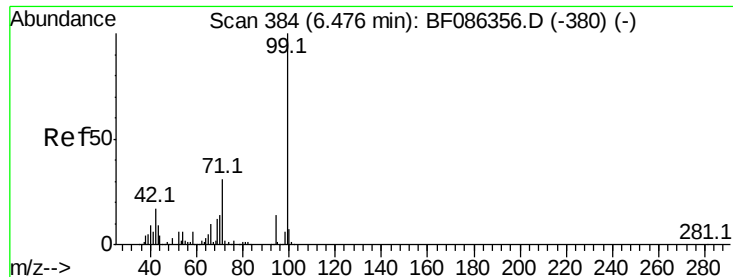
Delta R.T. 0.01 min

Lab File: BF086400.D

Acq: 23 Apr 2016 19:55

Tgt Ion:	112	Resp:	1046684
Ion Ratio	Lower	Upper	
112	100		
64	63.2	52.1	78.1
63	32.9	25.7	38.5





#7

Phenol-d6

Concen: 89.91 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF086400.D

Acq: 23 Apr 2016 19:55

Instrument :

BNA_F

ClientSampleId :

WPG-B7(0-6)-C

Tot Ion: 99 Resp: 1365482

Ion Ratio Lower Upper

99 100

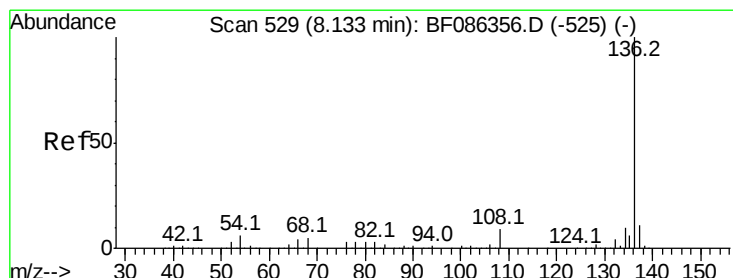
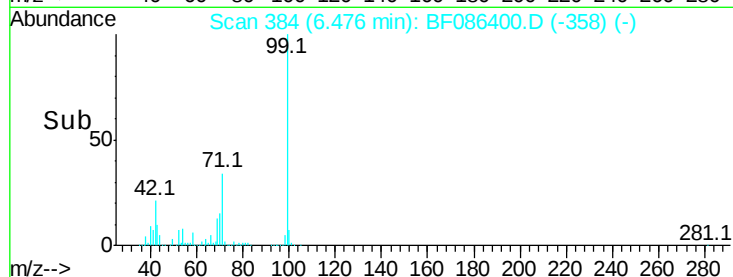
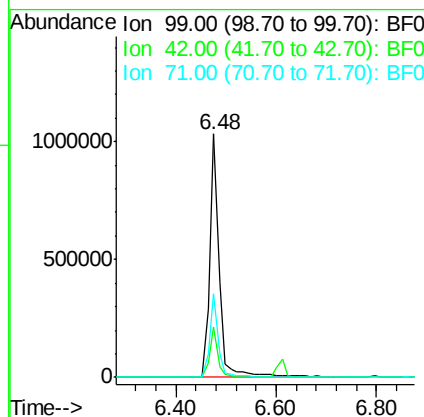
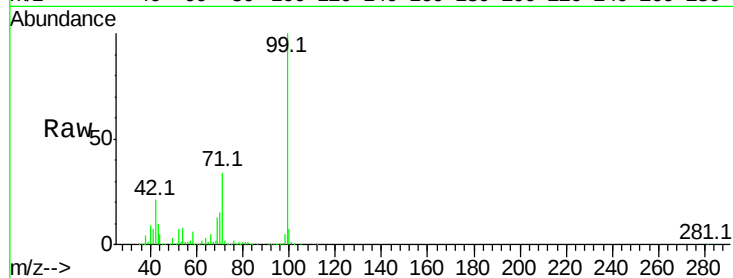
42 20.8 13.6 20.4#

71 34.1 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: BF086400.D

Acq: 23 Apr 2016 19:55

Tgt Ion: 136 Resp: 742292

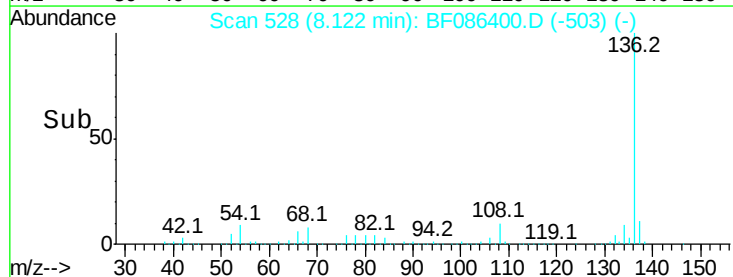
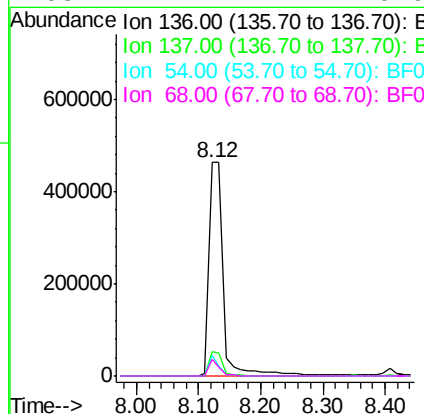
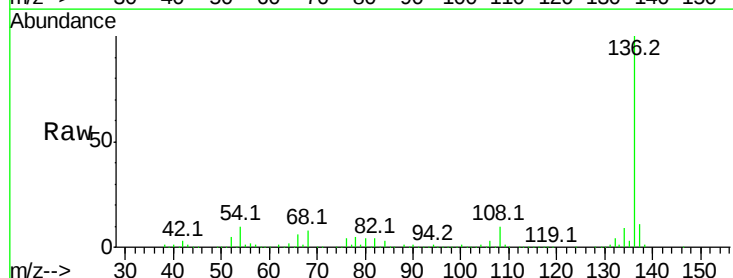
Ion Ratio Lower Upper

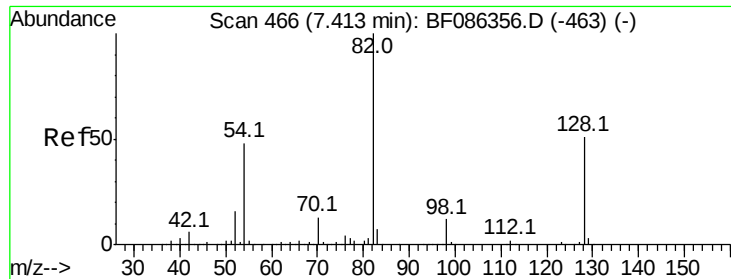
136 100

137 11.5 8.8 13.2

54 9.6 5.0 7.4#

68 7.7 4.4 6.6#





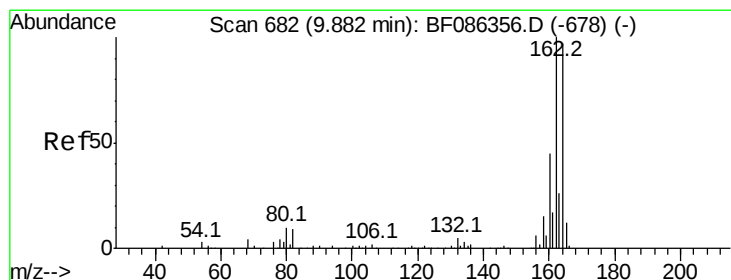
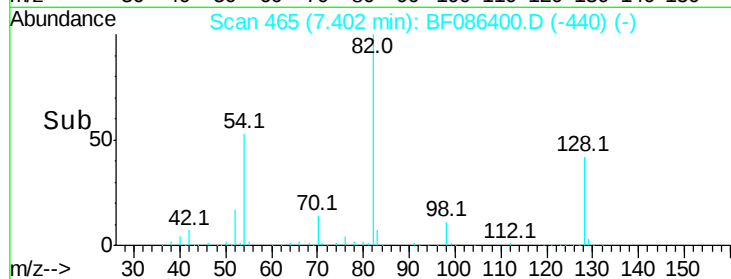
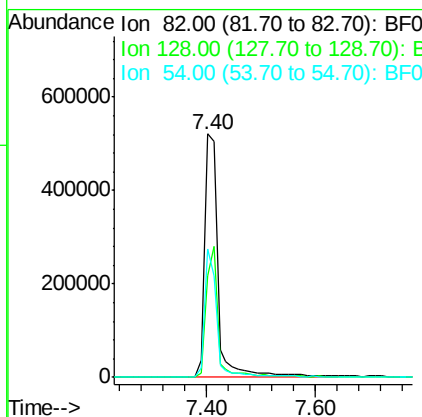
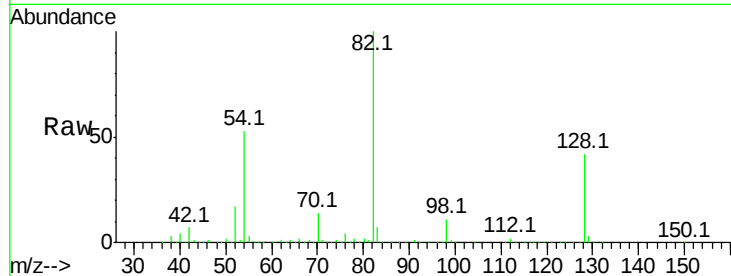
#23
 Nitrobenzene-d5
 Concen: 71.12 ng
 RT: 7.40 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: BF086400.D
 Acq: 23 Apr 2016 19:55

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B7(0-6)-C

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.5	40.6	61.0	
54	52.9	38.1	57.1	

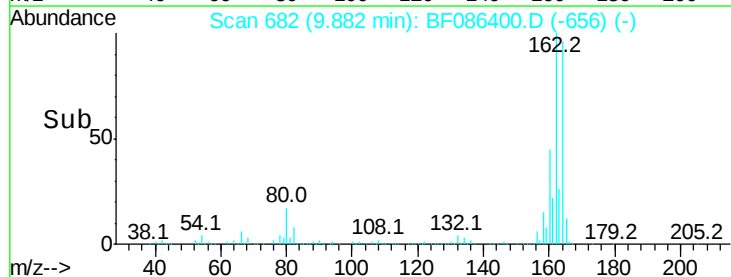
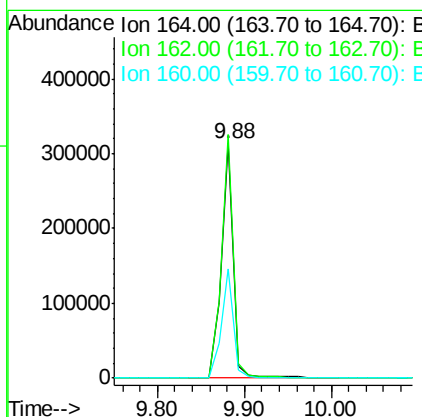
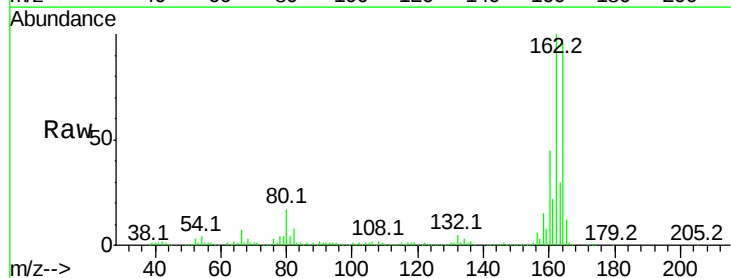
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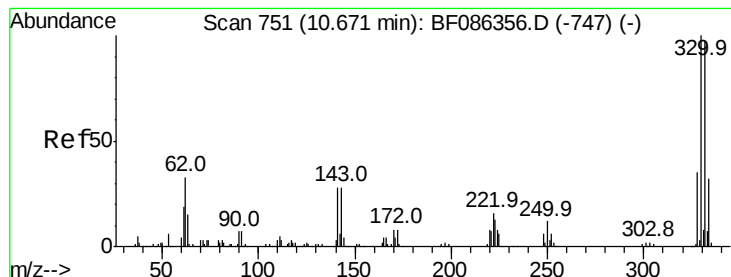
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.00 min
 Lab File: BF086400.D
 Acq: 23 Apr 2016 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.8	82.8	124.2	
160	46.5	36.9	55.3	





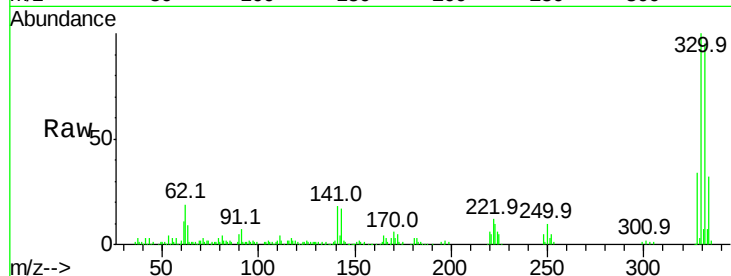
#41
 2,4,6-Tribromophenol
 Concen: 64.04 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: BF086400.D
 Acq: 23 Apr 2016 19:55

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B7(0-6)-C

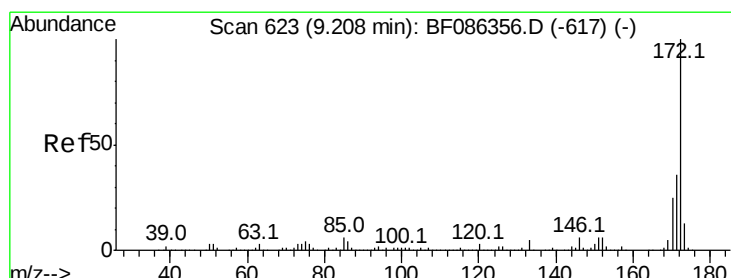
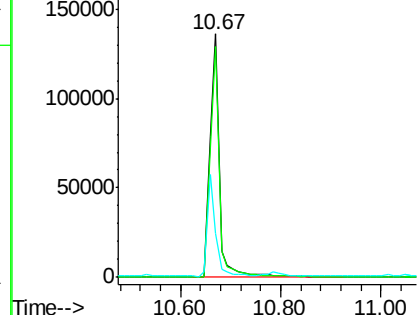
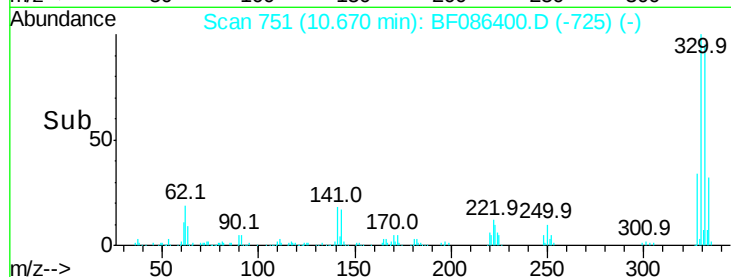
Tot Ion	Ratio	Resp	Lower	Upper
330	100	178934		
332	94.0	79.0	118.4	
141	35.6	31.2	46.8	

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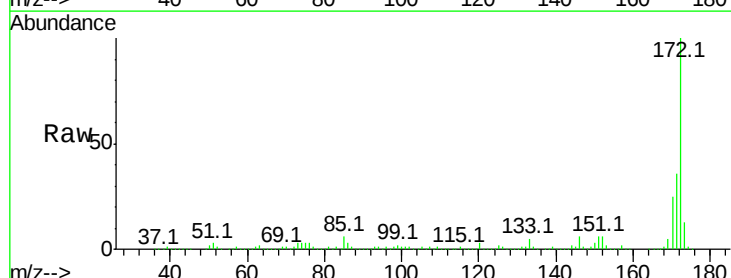


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

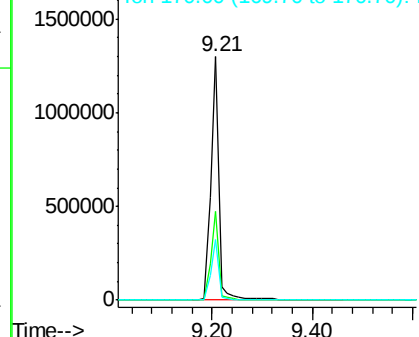
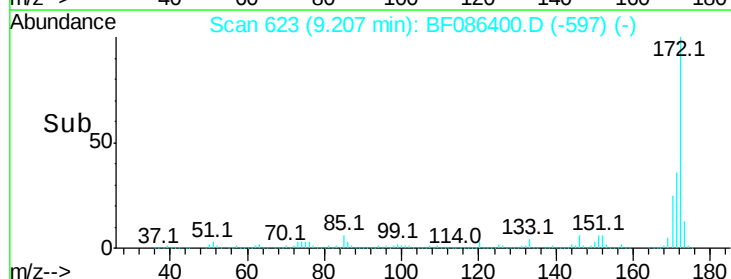


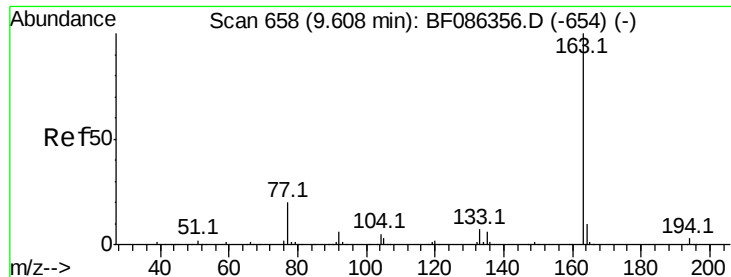
#44
 2-Fluorobiphenyl
 Concen: 79.35 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: BF086400.D
 Acq: 23 Apr 2016 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1435179		
171	36.5	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: 9.16 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.01 min

Lab File: BF086400.D

Acq: 23 Apr 2016 19:55

Instrument :

BNA_F

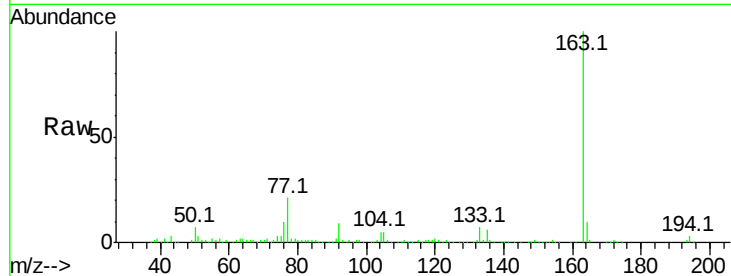
ClientSampleId :

WPG-B7(0-6)-C

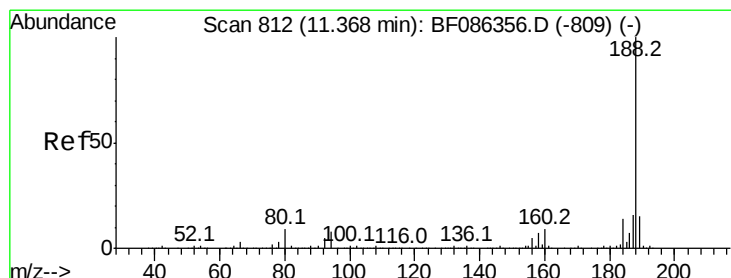
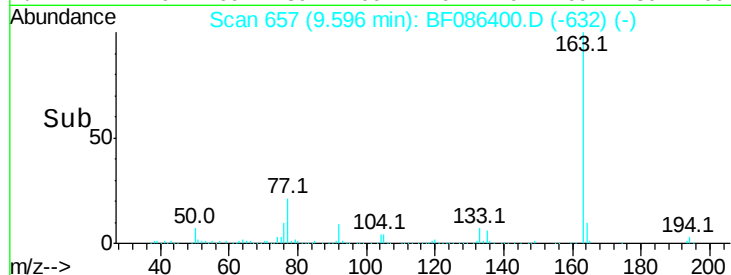
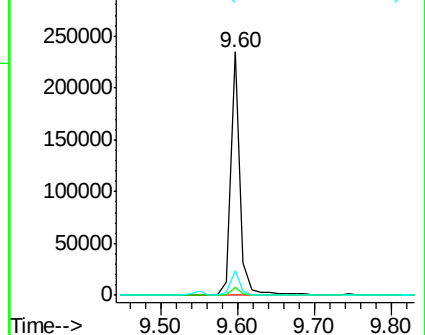
Tot Ion:	163	Resp:	204168
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.6	4.0
164	10.3	8.2	12.4

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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

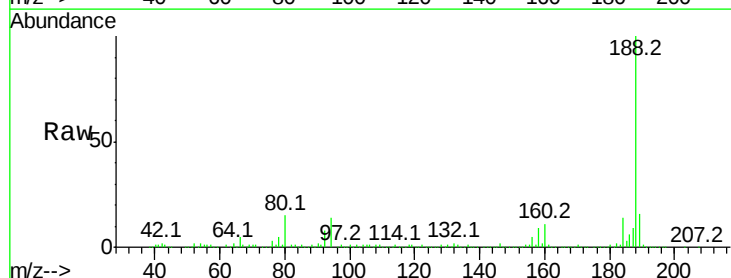
RT: 11.36 min Scan# 811

Delta R.T. -0.01 min

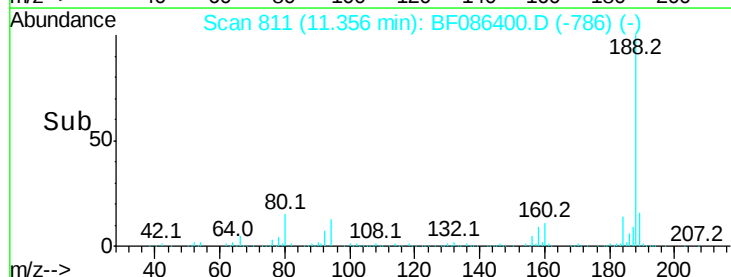
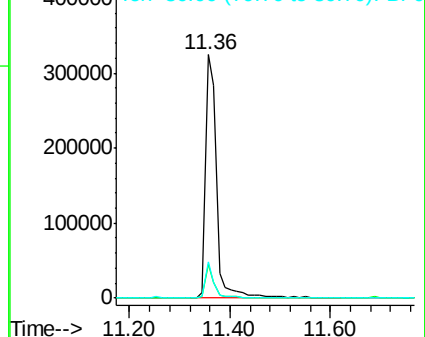
Lab File: BF086400.D

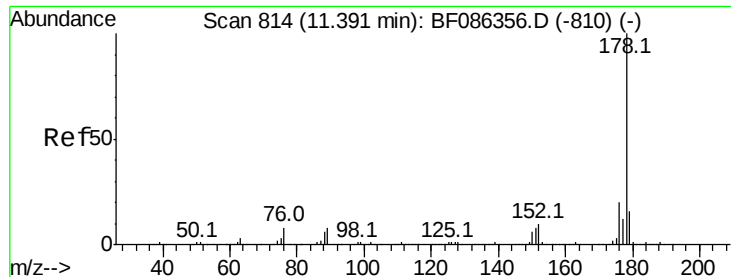
Acq: 23 Apr 2016 19:55

Tgt Ion:	188	Resp:	494990
Ion Ratio	Lower	Upper	
188	100		
94	13.6	6.8	10.2#
80	14.8	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: 10.23 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.01 min

Lab File: BF086400.D

Acq: 23 Apr 2016 19:55

Instrument :

BNA_F

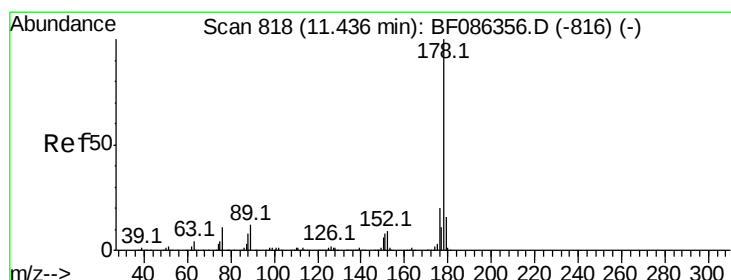
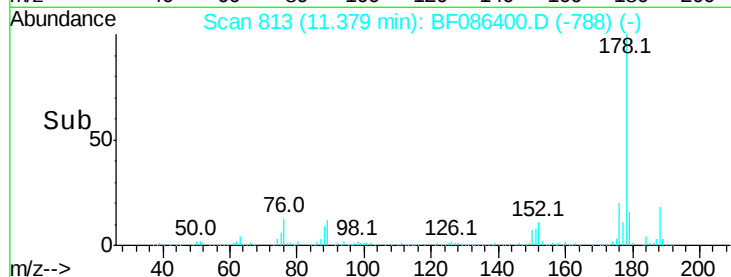
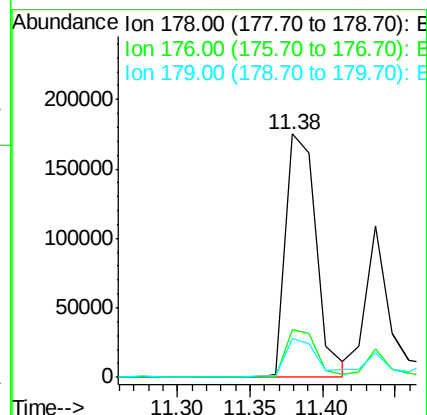
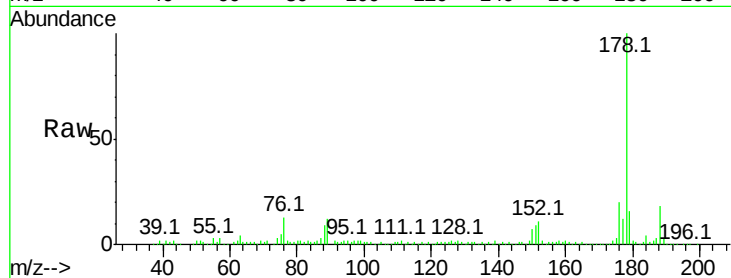
ClientSampleId :

WPG-B7(0-6)-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.0	24.0
179	15.9	12.6	18.8

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#71

Anthracene

Concen: 4.73 ng

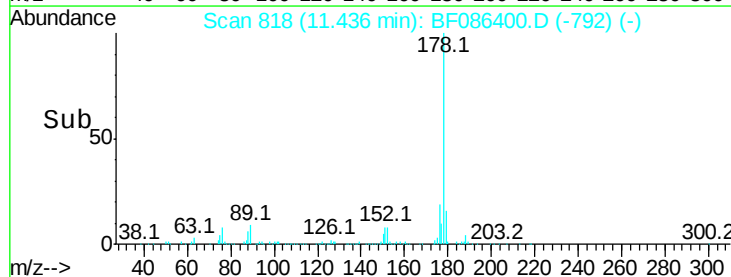
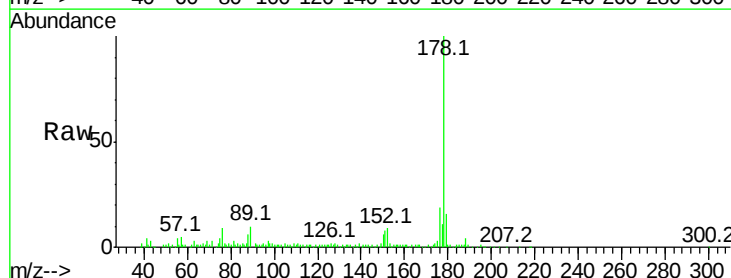
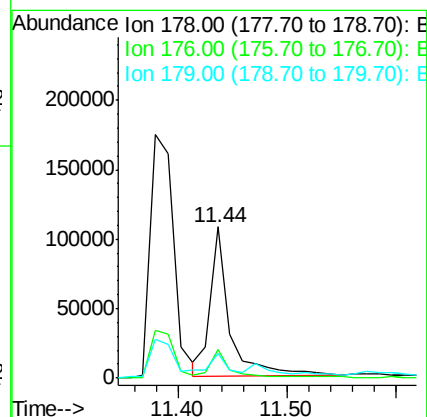
RT: 11.44 min Scan# 818

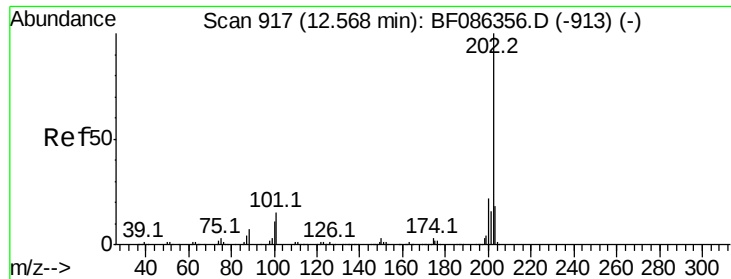
Delta R.T. -0.00 min

Lab File: BF086400.D

Acq: 23 Apr 2016 19:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.6	23.4
179	16.2	12.7	19.1





#74

Fluoranthene

Concen: 22.58 ng

RT: 12.57 min Scan# 917

Delta R.T. -0.00 min

Lab File: BF086400.D

Acq: 23 Apr 2016 19:55

Instrument :

BNA_F

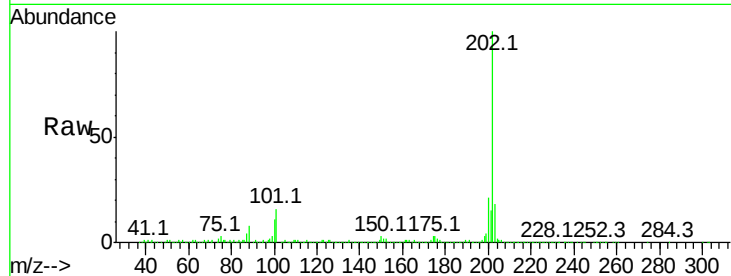
ClientSampleId :

WPG-B7(0-6)-C

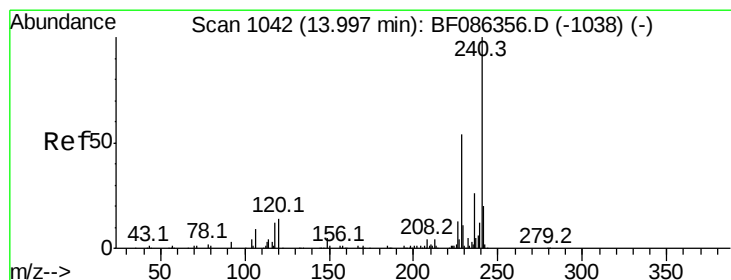
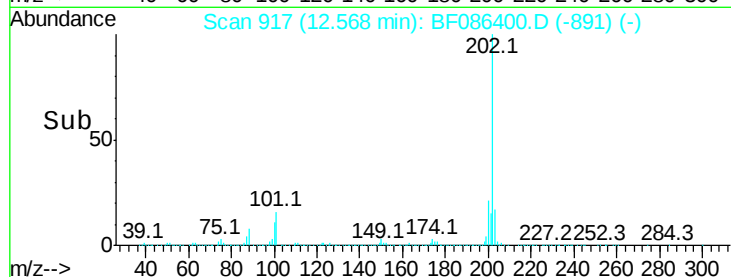
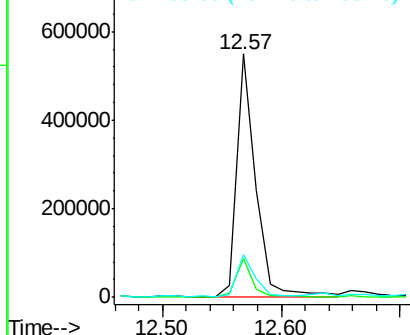
Tot Ion:	202	Resp:	605724
Ion Ratio	Lower	Upper	
202	100		
101	15.8	0.0	35.4
203	17.6	0.0	38.1

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

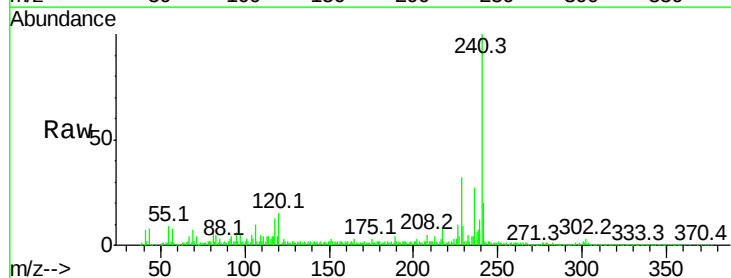
RT: 14.00 min Scan# 1042

Delta R.T. -0.00 min

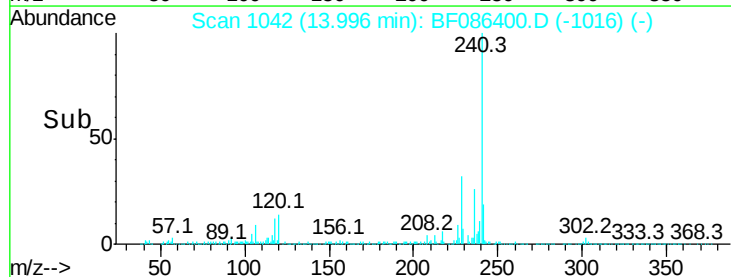
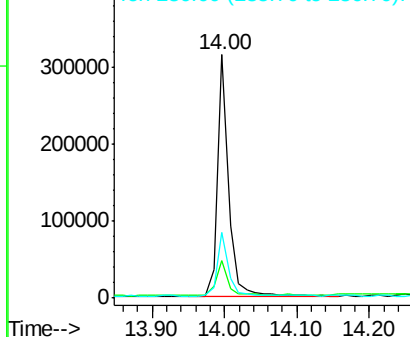
Lab File: BF086400.D

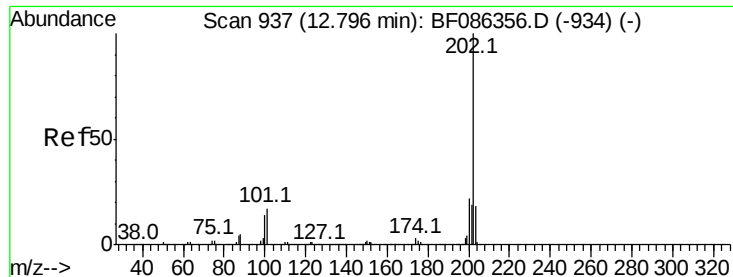
Acq: 23 Apr 2016 19:55

Tgt Ion:	240	Resp:	340480
Ion Ratio	Lower	Upper	
240	100		
120	15.2	11.2	16.8
236	27.0	21.2	31.8



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 24.14 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.00 min

Lab File: BF086400.D

Acq: 23 Apr 2016 19:55

Instrument :

BNA_F

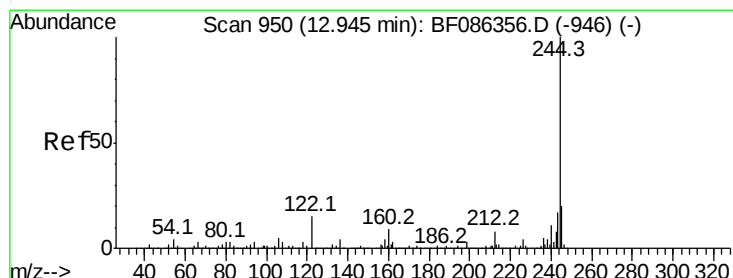
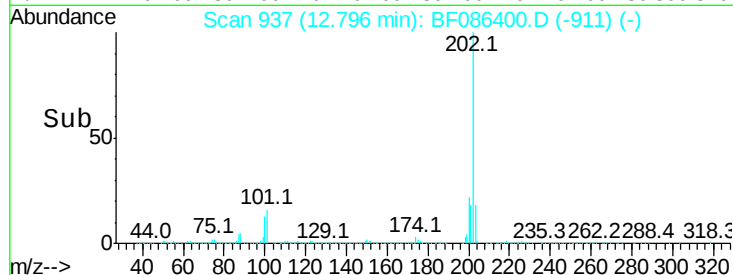
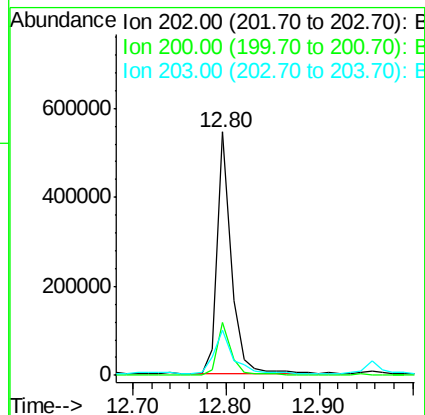
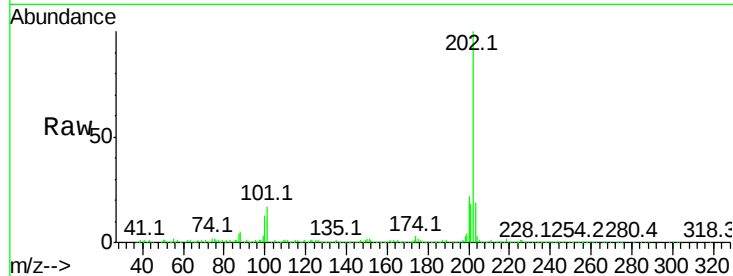
ClientSampleId :

WPG-B7(0-6)-C

Tot Ion:	202	Resp:	573336
Ion Ratio	Lower	Upper	
202	100		
200	22.0	17.7	26.5
203	18.7	14.2	21.4

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#78

Terphenyl-d14

Concen: 69.53 ng

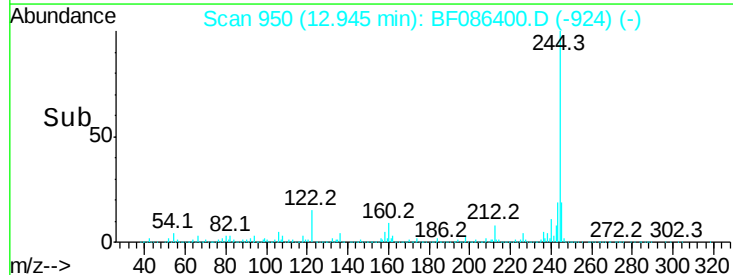
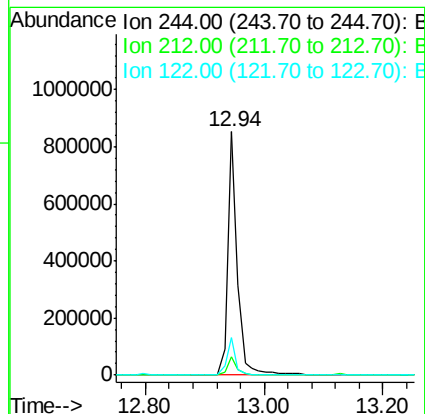
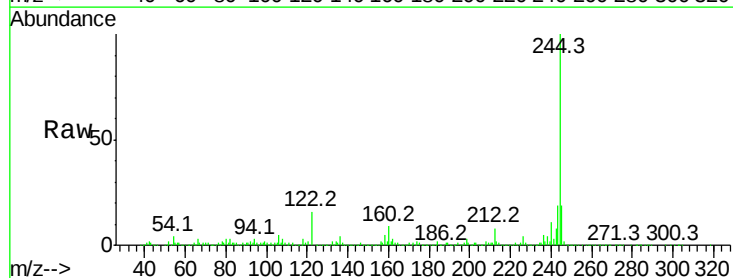
RT: 12.94 min Scan# 950

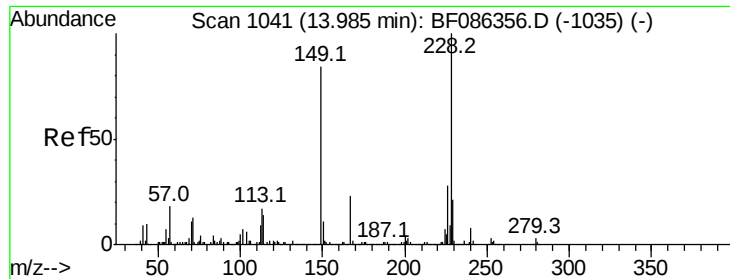
Delta R.T. -0.00 min

Lab File: BF086400.D

Acq: 23 Apr 2016 19:55

Tgt Ion:	244	Resp:	952750
Ion Ratio	Lower	Upper	
244	100		
212	7.8	6.2	9.2
122	15.6	12.0	18.0





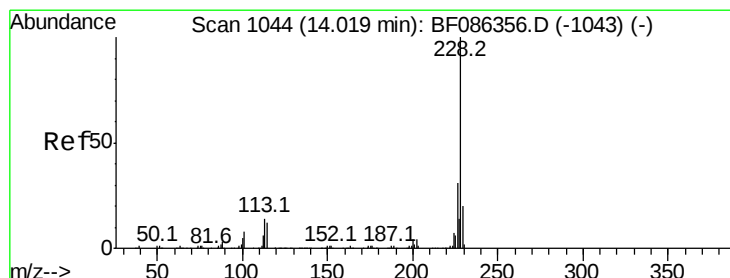
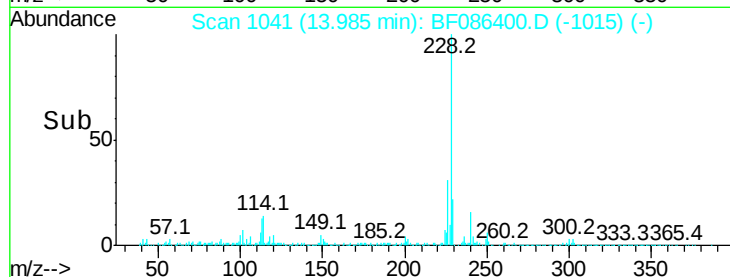
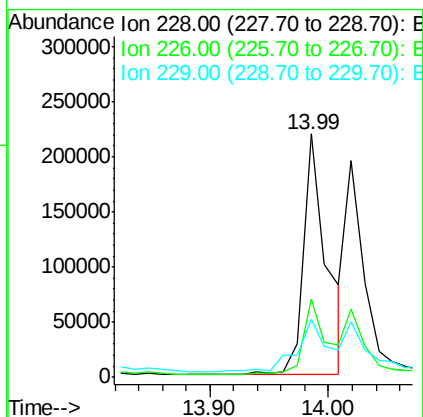
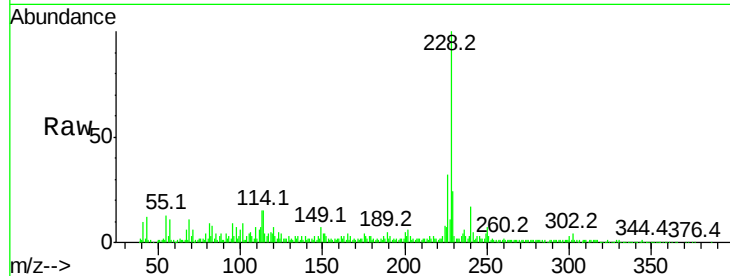
#80
Benzo(a)anthracene
Concen: 16.93 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BF086400.D
Acq: 23 Apr 2016 19:55

Instrument :
BNA_F
ClientSampleId :
WPG-B7(0-6)-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.1	22.5	33.7
229	24.0	16.6	25.0

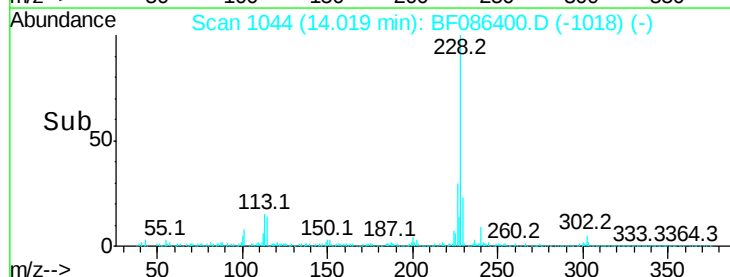
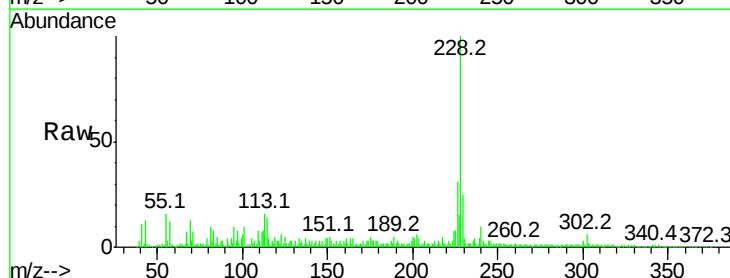
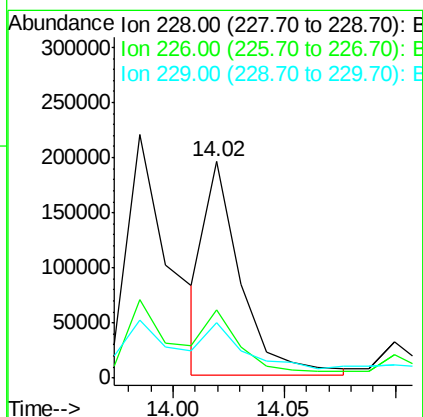
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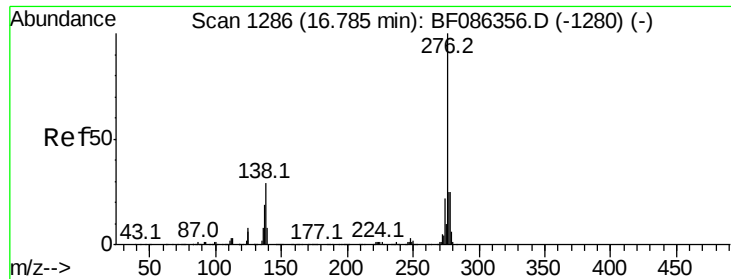
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#82
Chrysene
Concen: 11.15 ng m
RT: 14.02 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BF086400.D
Acq: 23 Apr 2016 19:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.4	36.6
229	25.4	15.8	23.8#





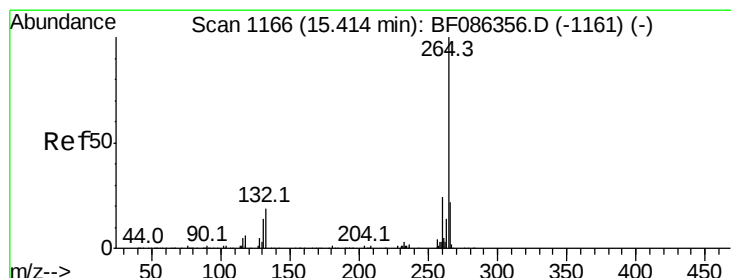
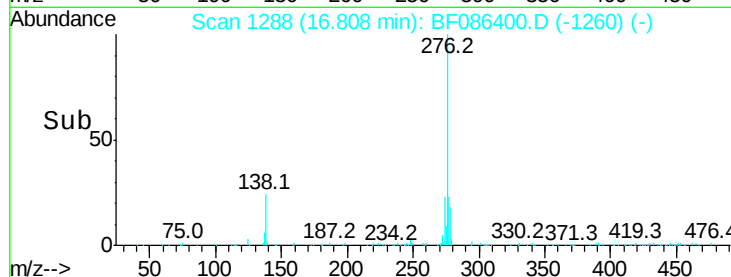
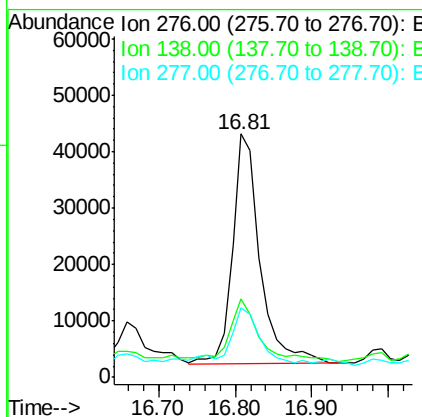
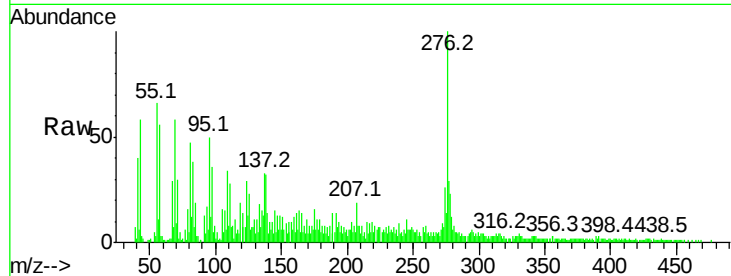
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.80 ng
 RT: 16.81 min Scan# 1288
 Delta R.T. 0.02 min
 Lab File: BF086400.D
 Acq: 23 Apr 2016 19:55

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B7(0-6)-C

Tot Ion:	276	Resp:	102691
Ion Ratio	Lower	Upper	
276	100		
138	29.3	25.6	38.4
277	26.8	20.5	30.7

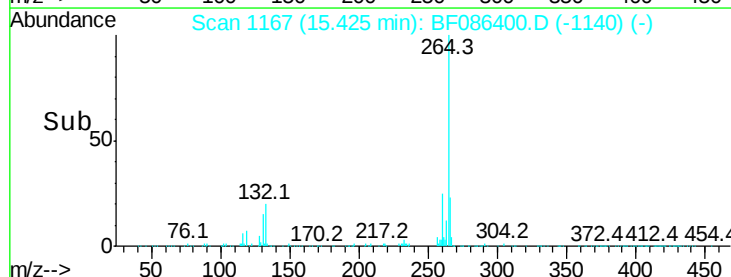
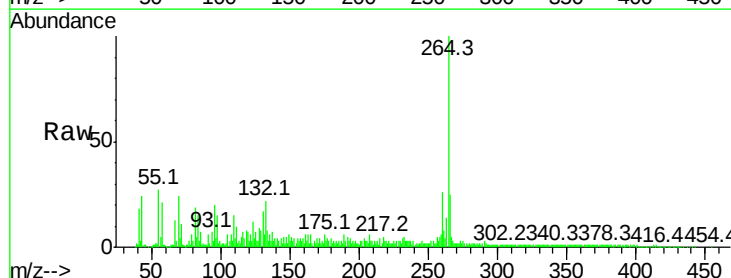
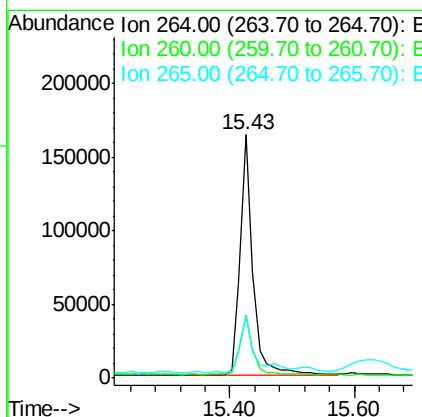
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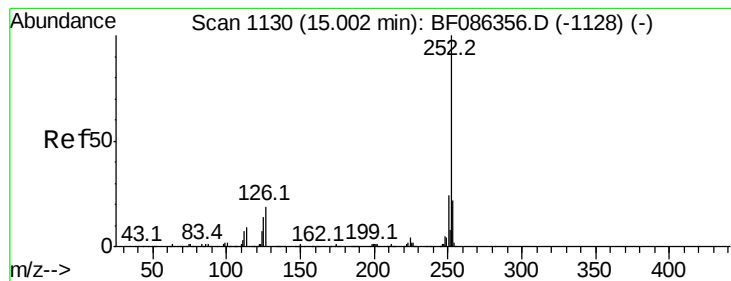
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.43 min Scan# 1167
 Delta R.T. 0.01 min
 Lab File: BF086400.D
 Acq: 23 Apr 2016 19:55

Tgt Ion:	264	Resp:	241692
Ion Ratio	Lower	Upper	
264	100		
260	25.9	19.5	29.3
265	25.2	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 15.62 ng m

RT: 15.01 min Scan# 1131

Delta R.T. 0.01 min

Lab File: BF086400.D

Acq: 23 Apr 2016 19:55

Instrument :

BNA_F

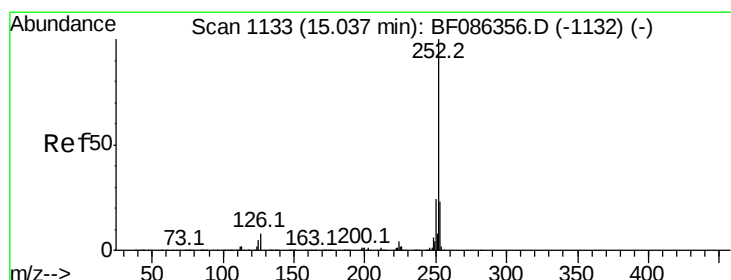
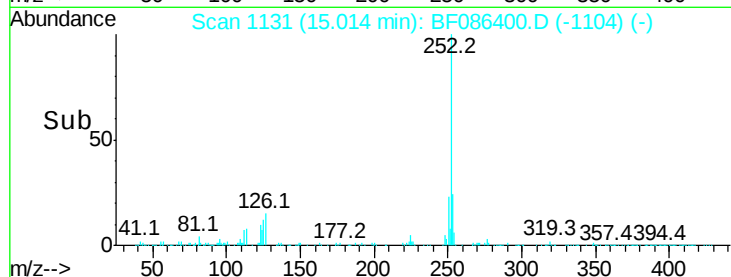
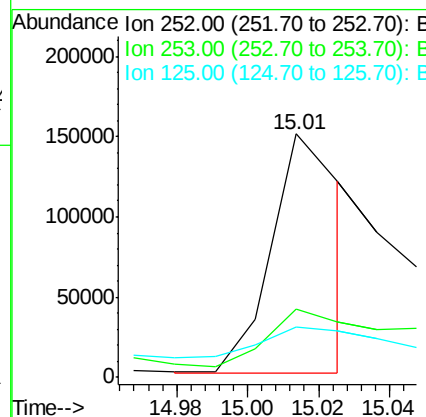
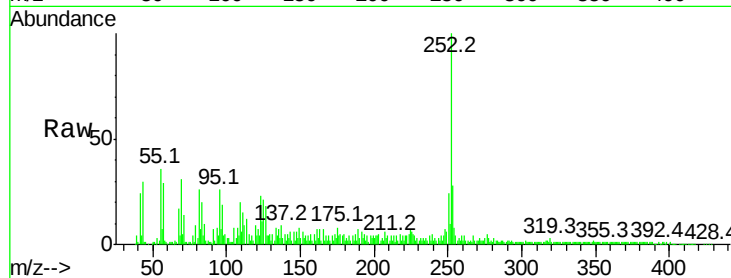
ClientSampleId :

WPG-B7(0-6)-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.1	17.8	26.6#
125	20.7	11.4	17.0#

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#88

Benzo(k)fluoranthene

Concen: 10.15 ng m

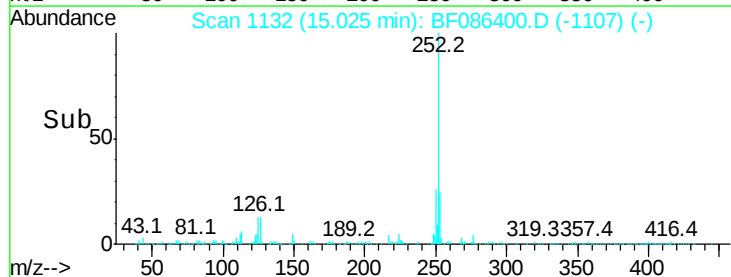
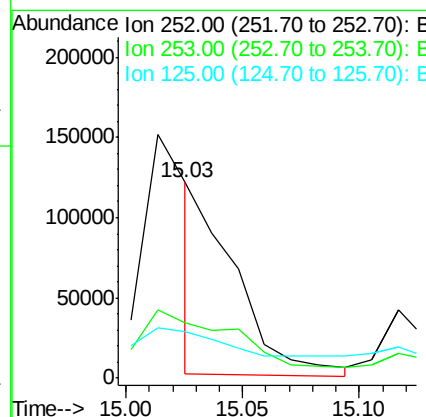
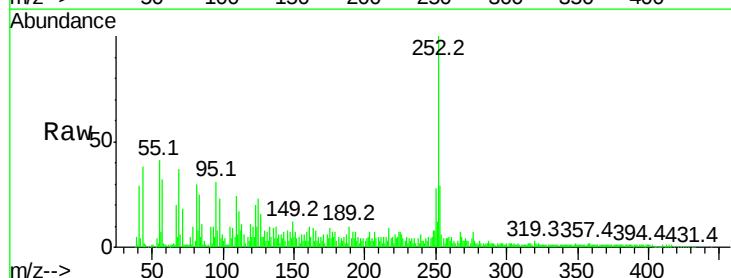
RT: 15.03 min Scan# 1132

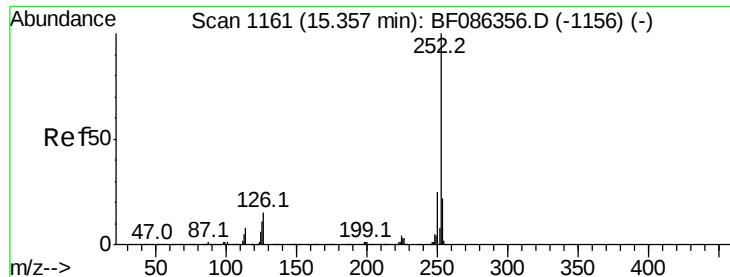
Delta R.T. -0.01 min

Lab File: BF086400.D

Acq: 23 Apr 2016 19:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.6	17.8	26.6#
125	23.4	9.1	13.7#





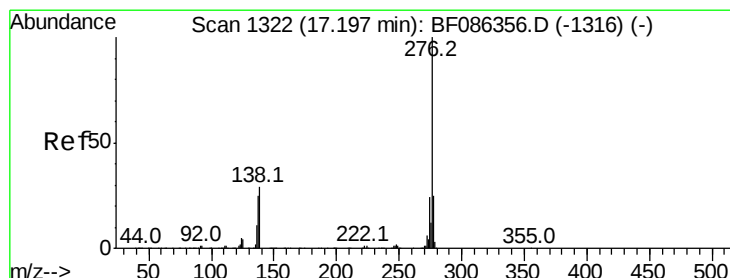
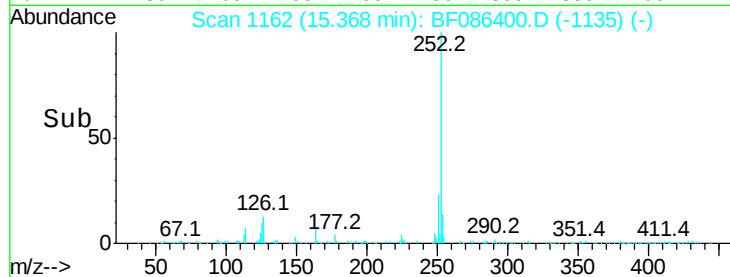
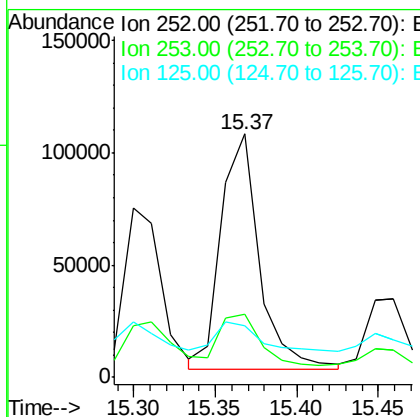
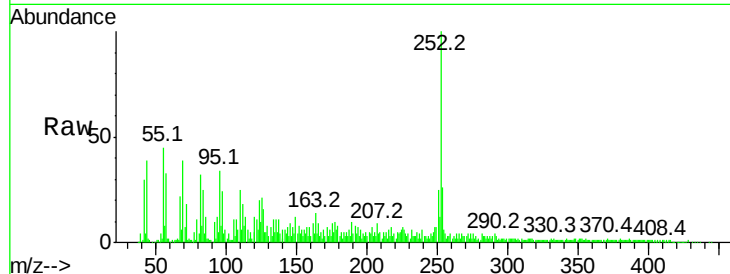
#89
Benzo(a)pyrene
Concen: 13.09 ng
RT: 15.37 min Scan# 1162
Delta R.T. 0.01 min
Lab File: BF086400.D
Acq: 23 Apr 2016 19:55

Instrument :
BNA_F
ClientSampleId :
WPG-B7(0-6)-C

Tot Ion	Ratio	Resp	Lower	Upper
252	100	171317		
253	25.9	17.2	25.8#	
125	21.1	9.0	13.6#	

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#91
Benzo(g,h,i)perylene
Concen: 9.06 ng
RT: 17.23 min Scan# 1325
Delta R.T. 0.03 min
Lab File: BF086400.D
Acq: 23 Apr 2016 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	100946		
277	29.2	19.6	29.4	
138	32.0	23.6	35.4	

