

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042216\
 Data File : BF086404.D
 Acq On : 23 Apr 2016 21:50
 Operator : UM/SJ
 Sample : H2652-01
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B10(0-5)-C

Manual Integrations
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Quant Time: Apr 25 07:06:53 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	182725	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	679497	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	276652	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	464939	20.00	ng	0.00
75) Chrysene-d12	14.01	240	291580	20.00	ng	0.01
86) Perylene-d12	15.43	264	220219	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1078220	101.90	ng	0.02
7) Phenol-d6	6.48	99	1215575	84.51	ng	0.00
23) Nitrobenzene-d5	7.40	82	772316	67.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	213760	85.36	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1269489	78.31	ng	0.00
78) Terphenyl-d14	12.96	244	853592	72.74	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	8.14	128	104231	3.01	ng	97
49) Dimethylphthalate	9.60	163	197988	9.91	ng	99
51) Acenaphthene	9.92	154	84101	4.97	ng	97
54) Dibenzofuran	10.09	168	134404	6.18	ng	# 93
57) Fluorene	10.43	166	146372	8.22	ng	98
70) Phenanthrene	11.39	178	529361	22.66	ng	99
71) Anthracene	11.44	178	364393	13.61	ng	99
72) Carbazole	11.60	167	66829	2.66	ng	# 92
74) Fluoranthene	12.59	202	956934	37.98	ng	93
77) Pyrene	12.81	202	839460	41.28	ng	99
80) Benzo(a)anthracene	14.00	228	279925	18.49	ng	95
82) Chrysene	14.03	228	263134m	15.43	ng	
83) Bis(2-ethylhexyl)phthalate	13.99	149	38150	3.60	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.82	276	104074	6.87	ng	# 91
87) Benzo(b)fluoranthene	15.03	252	226130m	18.71	ng	
88) Benzo(k)fluoranthene	15.04	252	93802m	7.91	ng	
89) Benzo(a)pyrene	15.37	252	176328	14.79	ng	# 85
90) Dibenzo(a,h)anthracene	16.83	278	24097	2.45	ng	# 71
91) Benzo(a,h,i)perylene	17.23	276	106066	10.45	ng	94

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

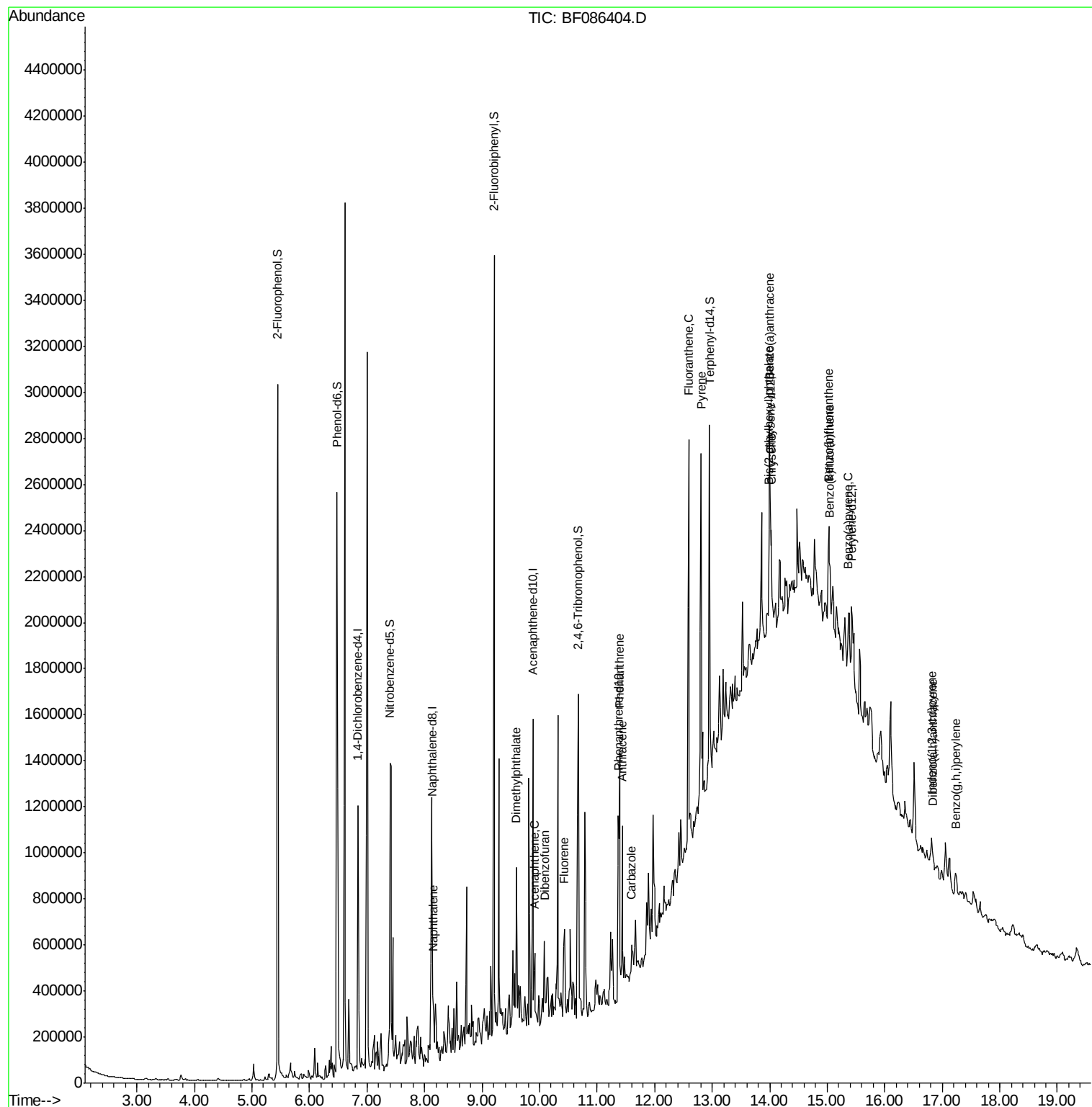
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042216\
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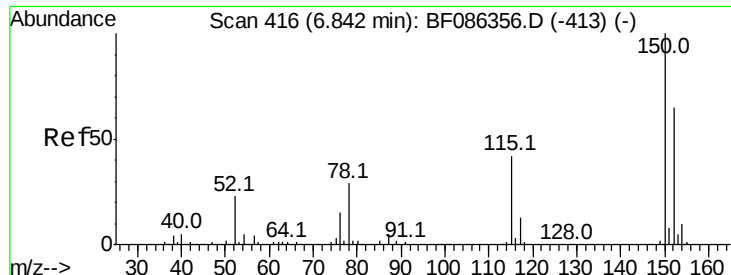
Instrument :
BNA_F
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WPG-B10(0-5)-C

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Quant Time: Apr 25 07:06:53 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. 0.00 min

Lab File: BF086404.D

Acq: 23 Apr 2016 21:50

Instrument :

BNA_F

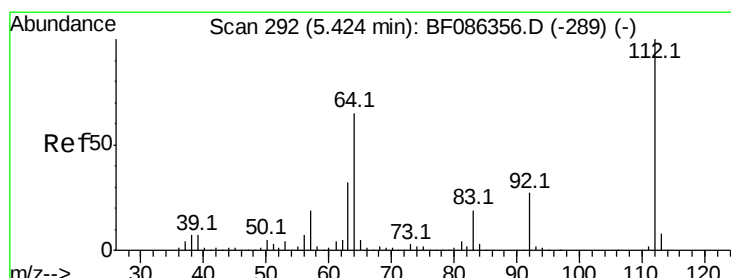
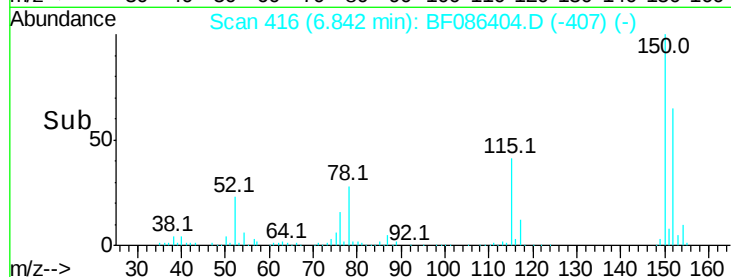
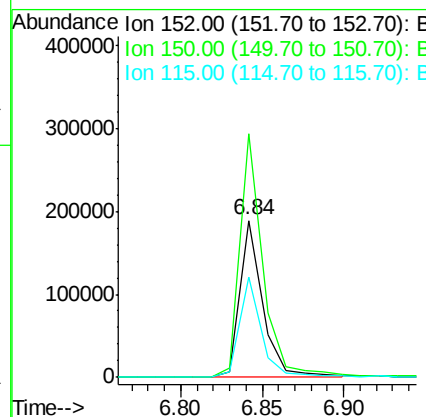
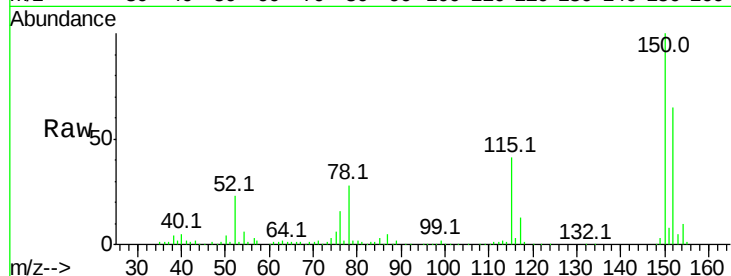
ClientSampleId :

WPG-B10(0-5)-C

Tot Ion:	152	Resp:	182725
Ion Ratio	Lower	Upper	
152	100		
150	155.0	125.8	188.6
115	63.9	51.5	77.3

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#5

2-Fluorophenol

Concen: 101.90 ng

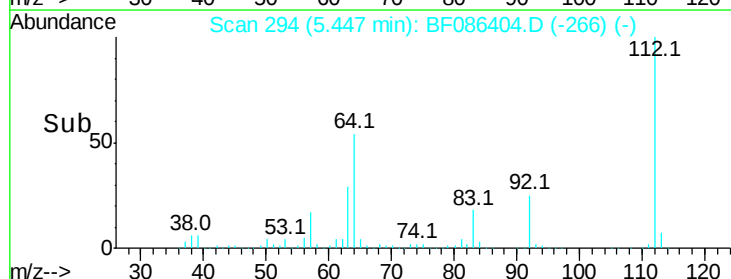
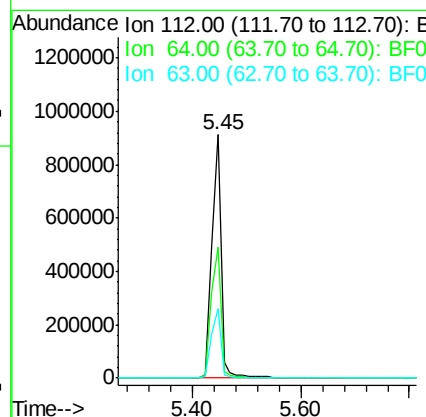
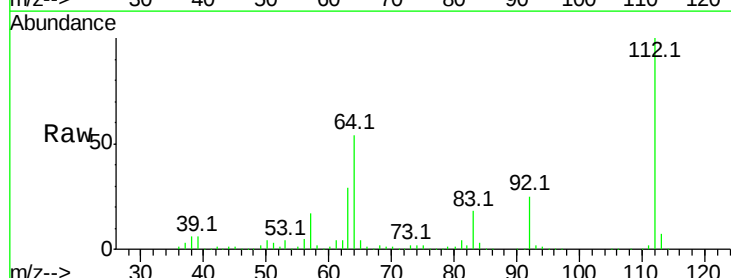
RT: 5.45 min Scan# 294

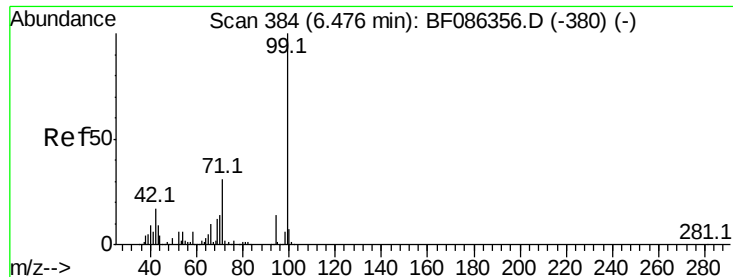
Delta R.T. 0.02 min

Lab File: BF086404.D

Acq: 23 Apr 2016 21:50

Tgt Ion:	112	Resp:	1078220
Ion Ratio	Lower	Upper	
112	100		
64	53.7	52.1	78.1
63	28.5	25.7	38.5





#7

Phenol-d6

Concen: 84.51 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.00 min

Lab File: BF086404.D

Acq: 23 Apr 2016 21:50

Instrument :

BNA_F

ClientSampleId :

WPG-B10(0-5)-C

Tot Ion: 99 Resp: 121575

Ion Ratio Lower Upper

99 100

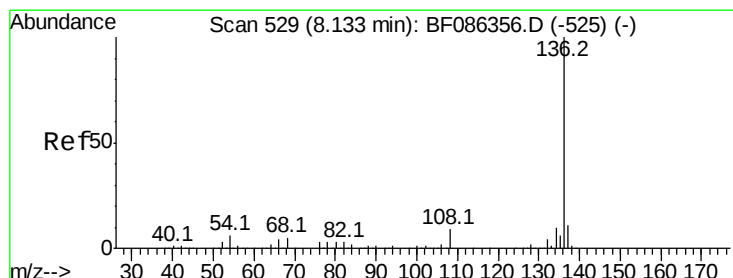
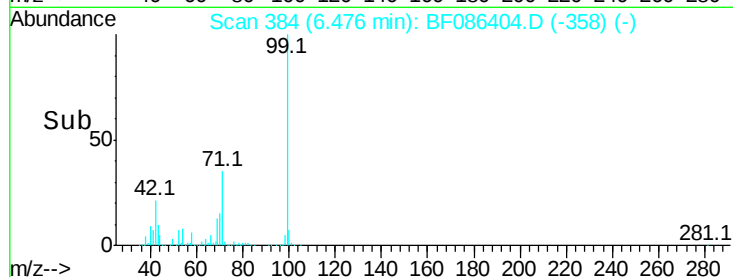
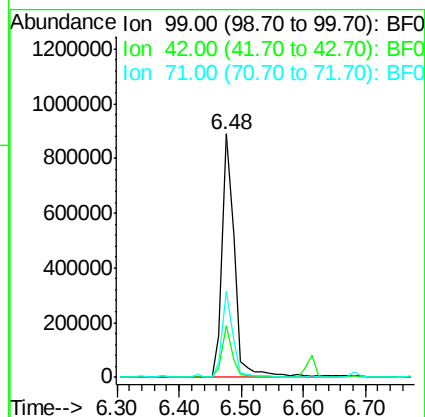
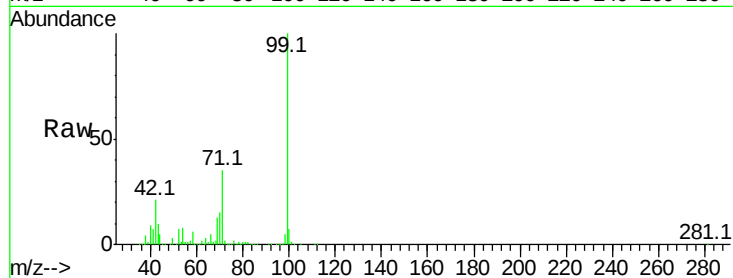
42 21.5 13.6 20.4#

71 35.4 24.6 36.8

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 529

Delta R.T. 0.00 min

Lab File: BF086404.D

Acq: 23 Apr 2016 21:50

Tgt Ion: 136 Resp: 679497

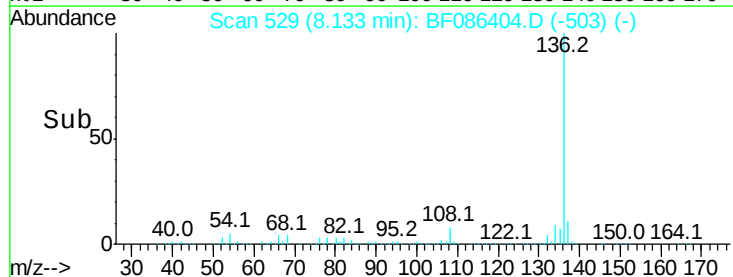
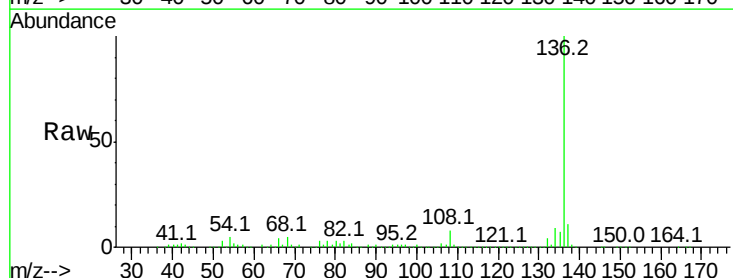
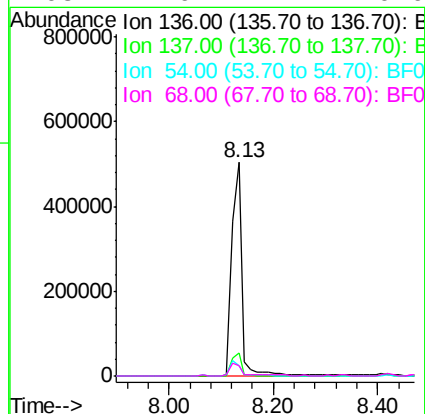
Ion Ratio Lower Upper

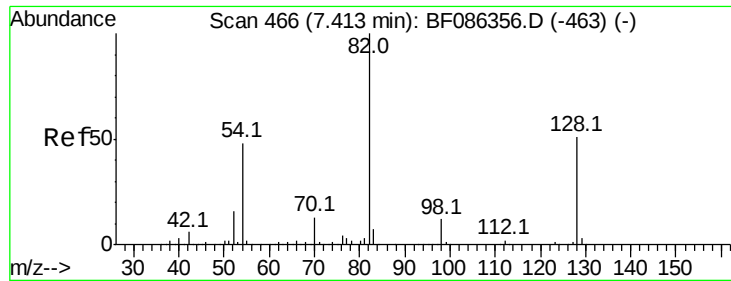
136 100

137 10.9 8.8 13.2

54 5.0 5.0 7.4

68 4.6 4.4 6.6





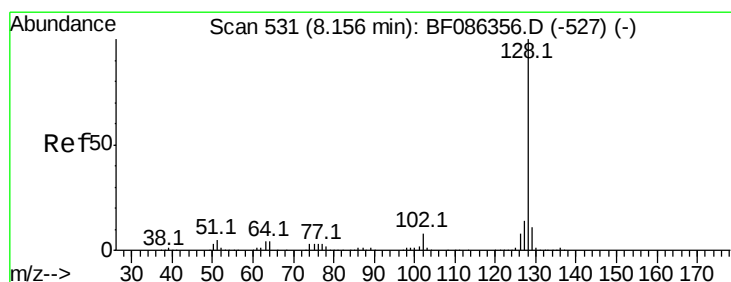
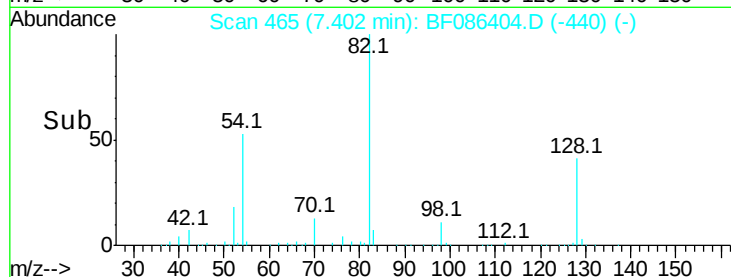
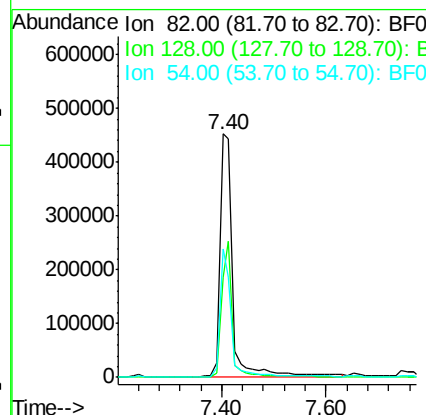
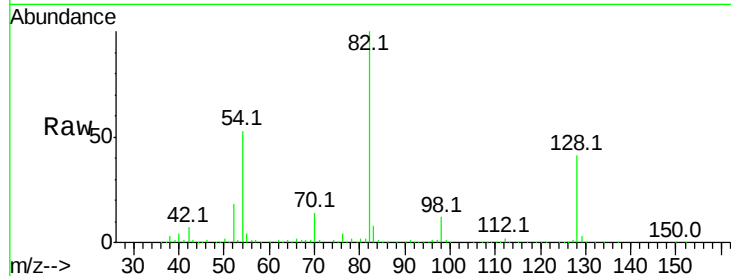
#23
 Nitrobenzene-d5
 Concen: 67.33 ng
 RT: 7.40 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: BF086404.D
 Acq: 23 Apr 2016 21:50

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B10(0-5)-C

Tot Ion:	82	Resp:	772316
Ion Ratio	Lower	Upper	
82	100		
128	40.9	40.6	61.0
54	53.0	38.1	57.1

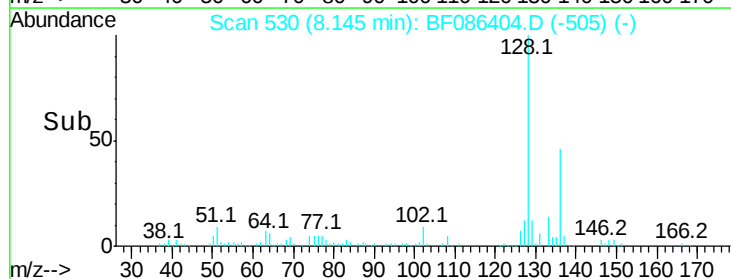
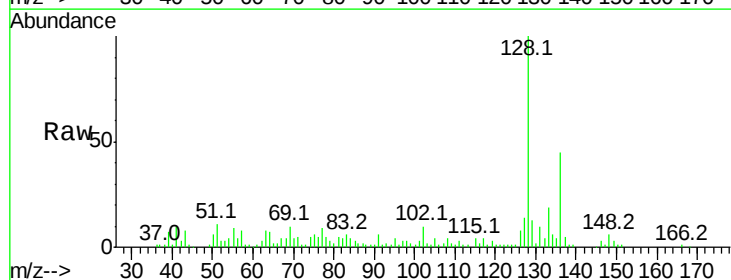
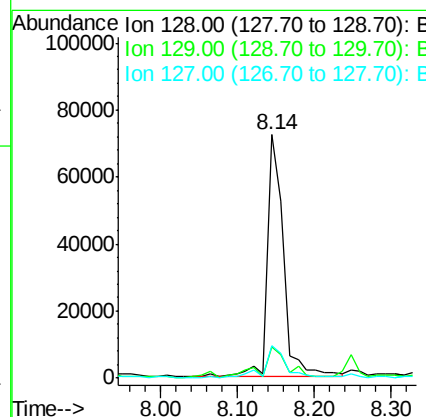
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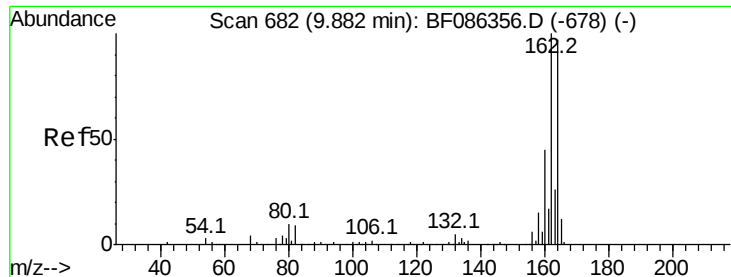
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#31
 Naphthalene
 Concen: 3.01 ng
 RT: 8.14 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: BF086404.D
 Acq: 23 Apr 2016 21:50

Tgt Ion:	128	Resp:	104231
Ion Ratio	Lower	Upper	
128	100		
129	12.9	8.6	13.0
127	13.5	10.8	16.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. 0.00 min

Lab File: BF086404.D

Acq: 23 Apr 2016 21:50

Instrument :

BNA_F

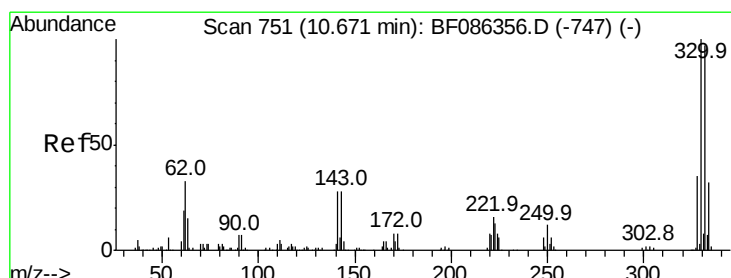
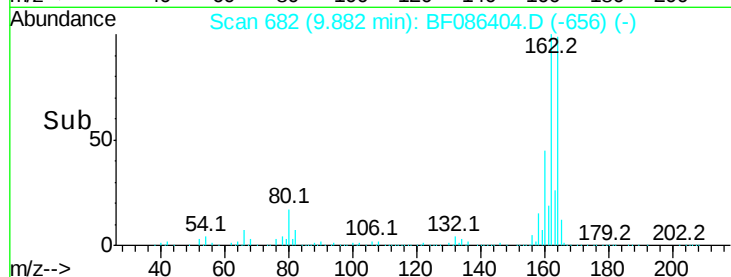
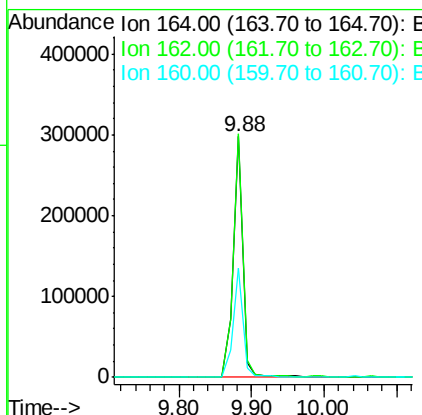
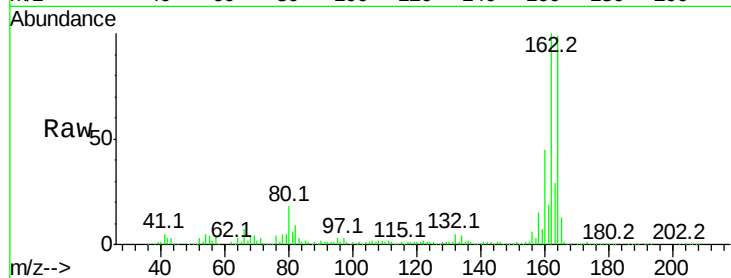
ClientSampleId :

WPG-B10(0-5)-C

Tot Ion:	164	Resp:	276652
Ion Ratio	Lower	Upper	
164	100		
162	101.1	82.8	124.2
160	45.3	36.9	55.3

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#41

2,4,6-Tribromophenol

Concen: 85.36 ng

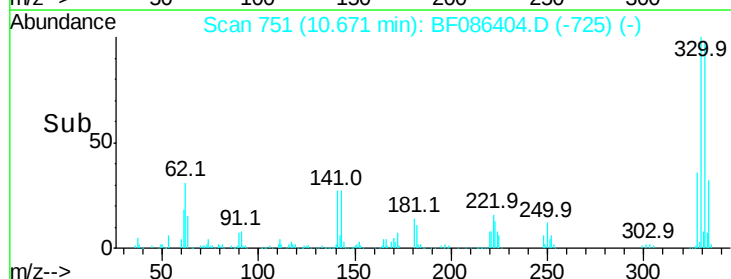
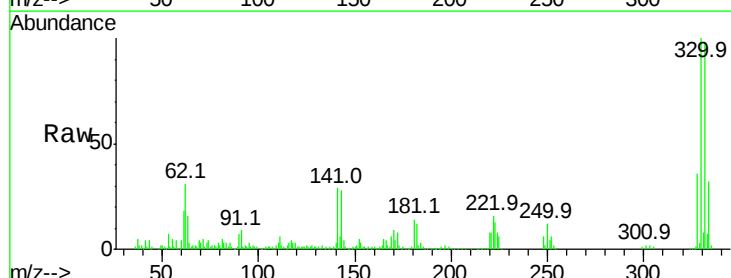
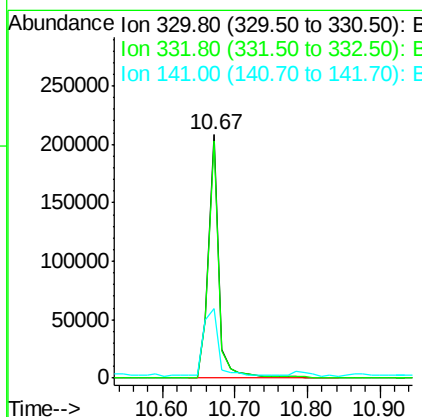
RT: 10.67 min Scan# 751

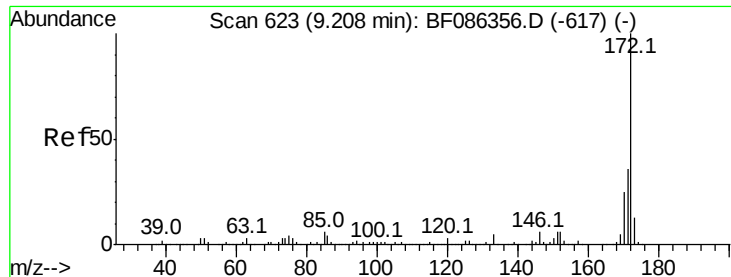
Delta R.T. 0.00 min

Lab File: BF086404.D

Acq: 23 Apr 2016 21:50

Tgt Ion:	330	Resp:	213760
Ion Ratio	Lower	Upper	
330	100		
332	98.6	79.0	118.4
141	38.4	31.2	46.8





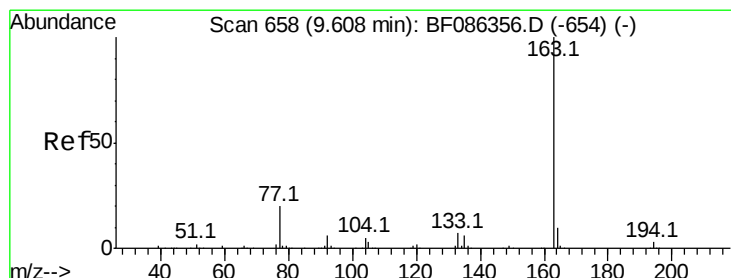
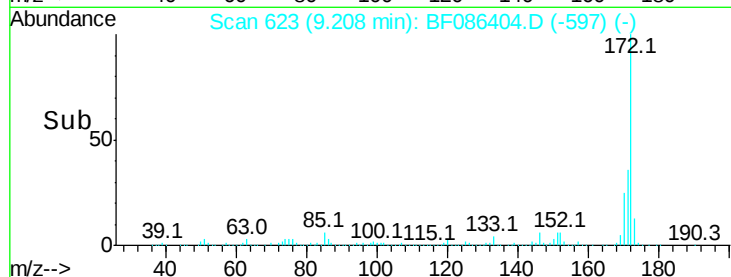
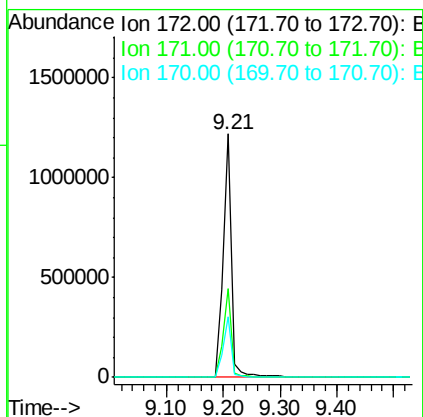
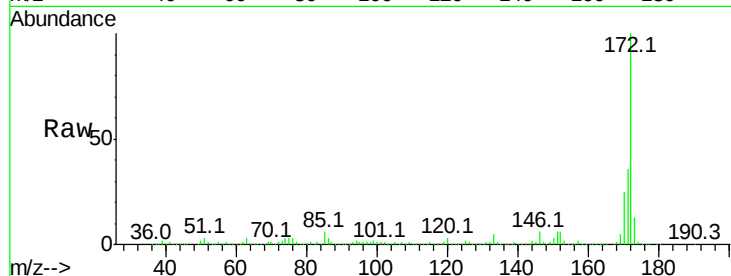
#44
2-Fluorobiphenyl
Concen: 78.31 ng
RT: 9.21 min Scan# 623
Delta R.T. 0.00 min
Lab File: BF086404.D
Acq: 23 Apr 2016 21:50

Instrument :
BNA_F
ClientSampleId :
WPG-B10(0-5)-C

Tot Ion:172 Resp: 1269489
Ion Ratio Lower Upper
172 100
171 36.5 29.0 43.6
170 24.7 19.8 29.8

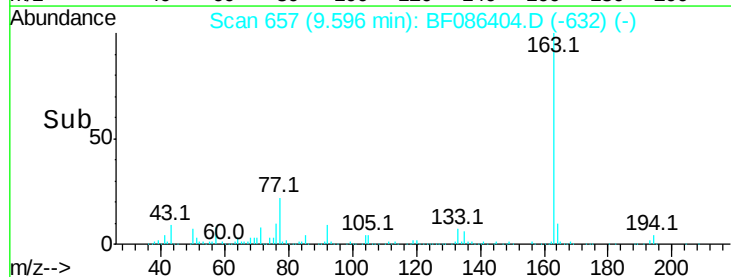
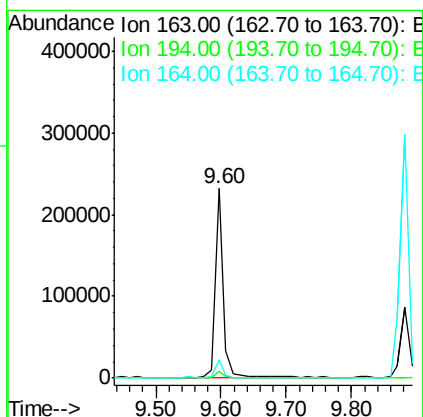
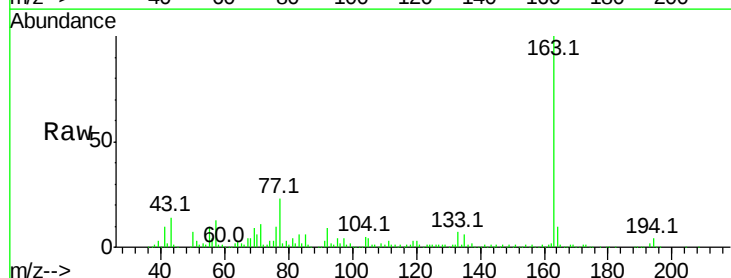
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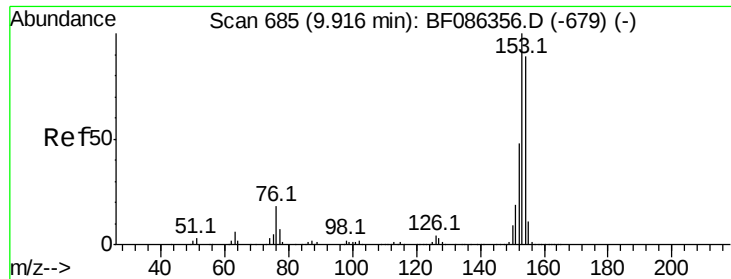
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#49
Dimethylphthalate
Concen: 9.91 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.01 min
Lab File: BF086404.D
Acq: 23 Apr 2016 21:50

Tgt Ion:163 Resp: 197988
Ion Ratio Lower Upper
163 100
194 3.8 2.6 4.0
164 10.0 8.2 12.4





#51

Acenaphthene

Concen: 4.97 ng

RT: 9.92 min Scan# 685

Delta R.T. 0.00 min

Lab File: BF086404.D

Acq: 23 Apr 2016 21:50

Instrument :

BNA_F

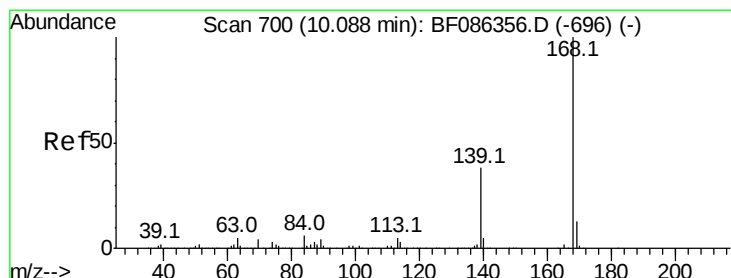
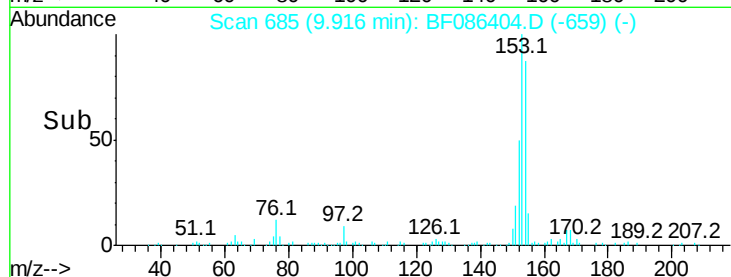
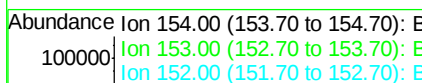
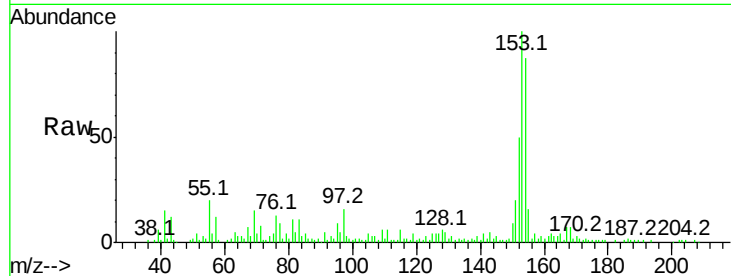
ClientSampleId :

WPG-B10(0-5)-C

Tot Ion:	154	Resp:	84101
Ion Ratio	Lower	Upper	
154	100		
153	114.9	89.8	134.6
152	57.8	43.4	65.0

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#54

Dibenzofuran

Concen: 6.18 ng

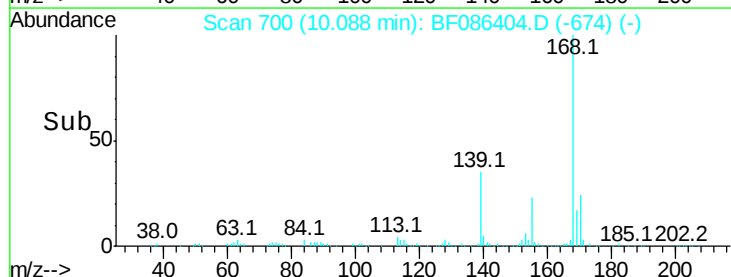
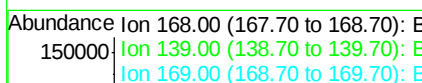
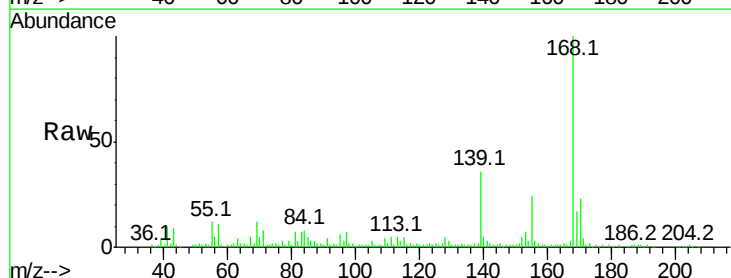
RT: 10.09 min Scan# 700

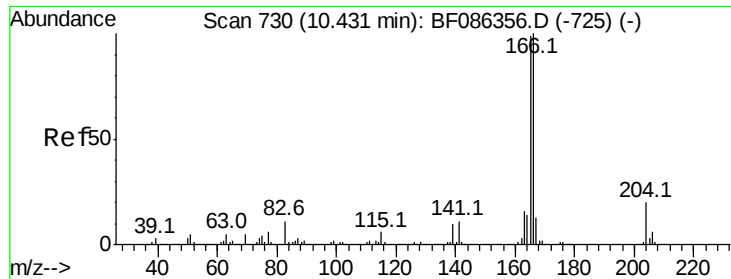
Delta R.T. 0.00 min

Lab File: BF086404.D

Acq: 23 Apr 2016 21:50

Tgt Ion:	168	Resp:	134404
Ion Ratio	Lower	Upper	
168	100		
139	35.9	31.4	47.0
169	17.3	10.7	16.1#





#57

Fluorene

Concen: 8.22 ng

RT: 10.43 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF086404.D

Acq: 23 Apr 2016 21:50

Instrument :

BNA_F

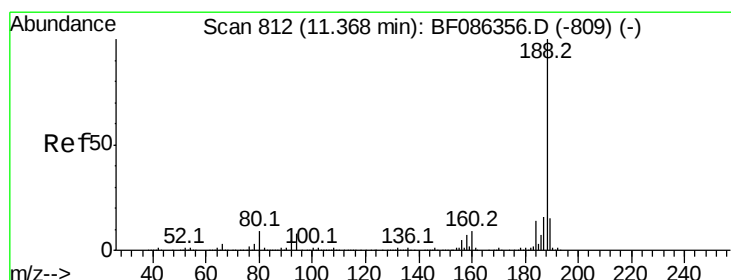
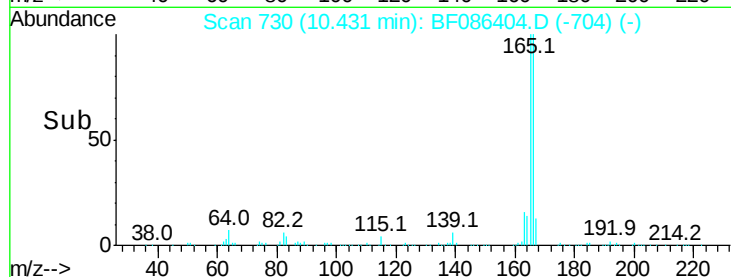
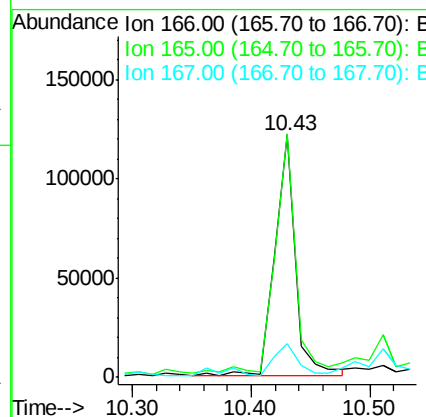
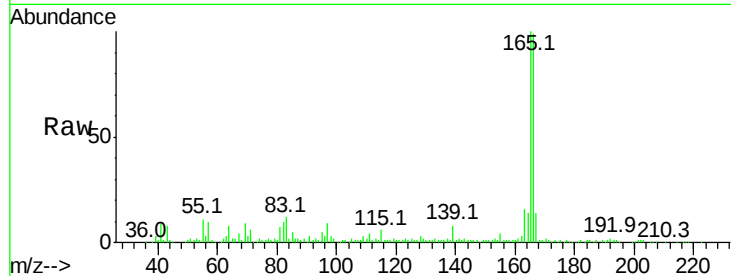
ClientSampleId :

WPG-B10(0-5)-C

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	100.5	79.0	118.6	
167	14.0	10.6	15.8	

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#63

Phenanthrene-d10

Concen: 20.00 ng

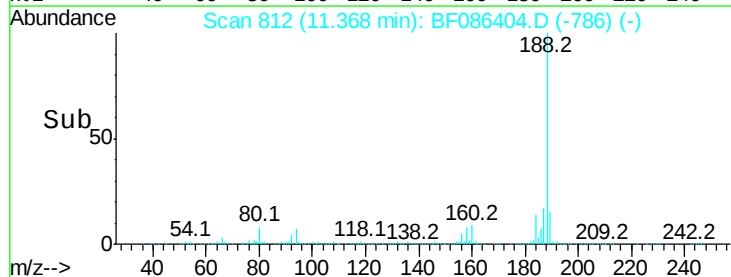
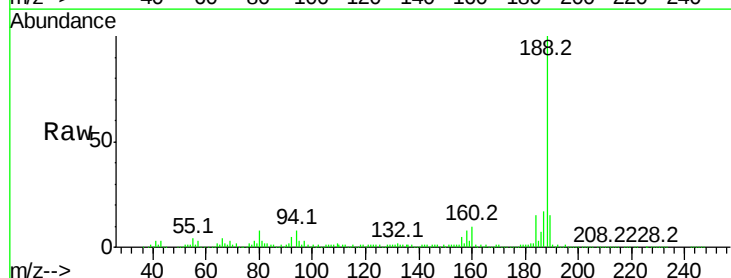
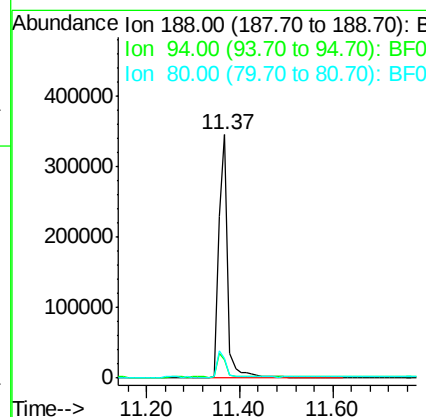
RT: 11.37 min Scan# 812

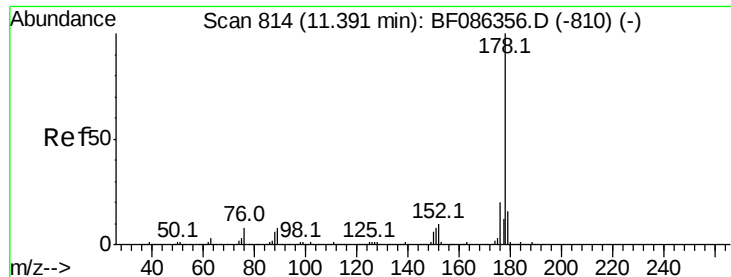
Delta R.T. 0.00 min

Lab File: BF086404.D

Acq: 23 Apr 2016 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	7.6	6.8	10.2	
80	7.9	7.1	10.7	





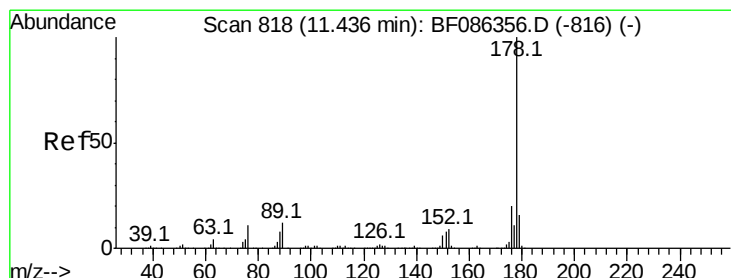
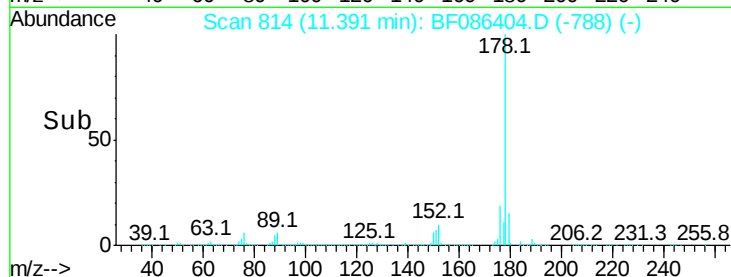
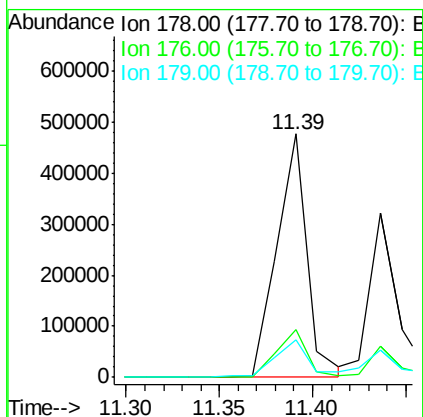
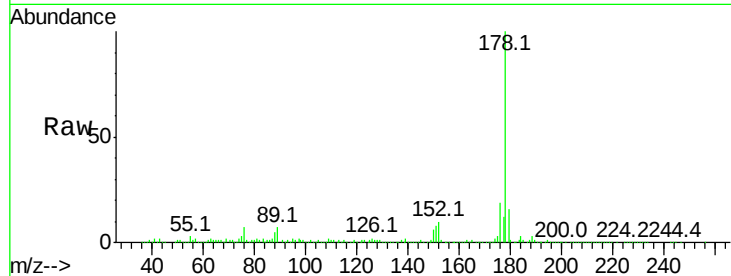
#70
Phenanthrene
Concen: 22.66 ng
RT: 11.39 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF086404.D
Acq: 23 Apr 2016 21:50

Instrument :
BNA_F
ClientSampleId :
WPG-B10(0-5)-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.0	24.0
179	15.6	12.6	18.8

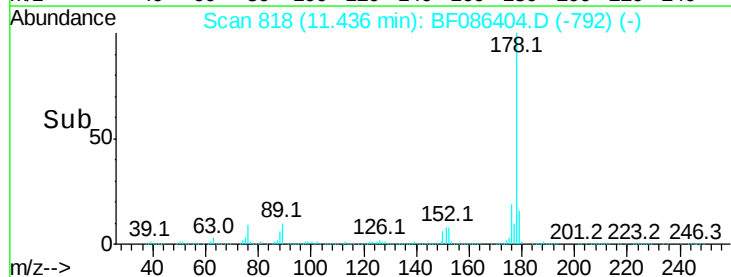
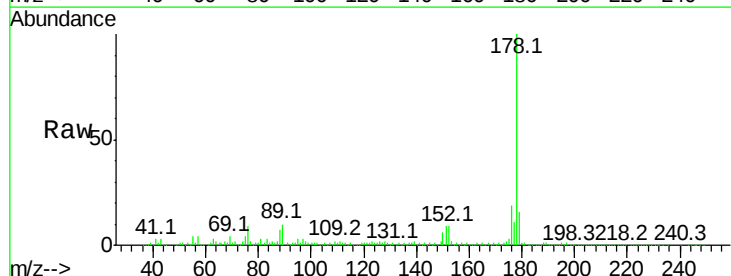
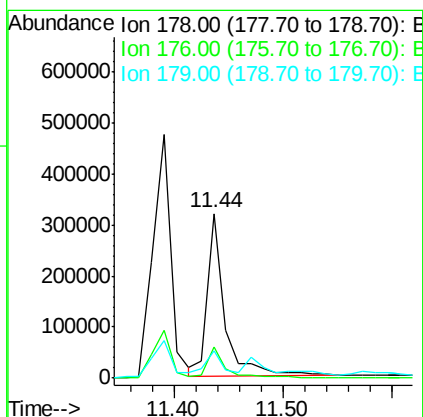
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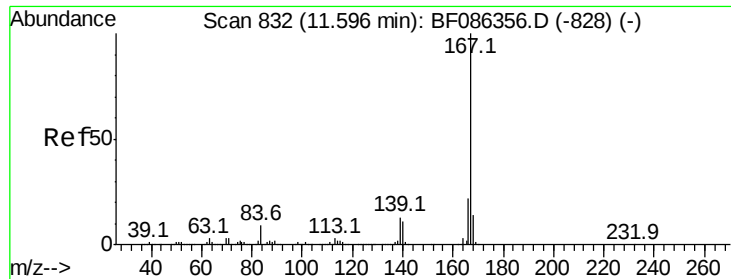
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#71
Anthracene
Concen: 13.61 ng
RT: 11.44 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF086404.D
Acq: 23 Apr 2016 21:50

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.6	23.4
179	16.3	12.7	19.1





#72

Carbazole

Concen: 2.66 ng

RT: 11.60 min Scan# 832

Delta R.T. 0.00 min

Lab File: BF086404.D

Acq: 23 Apr 2016 21:50

Instrument :

BNA_F

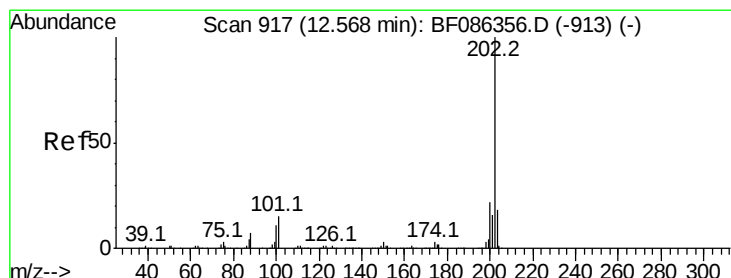
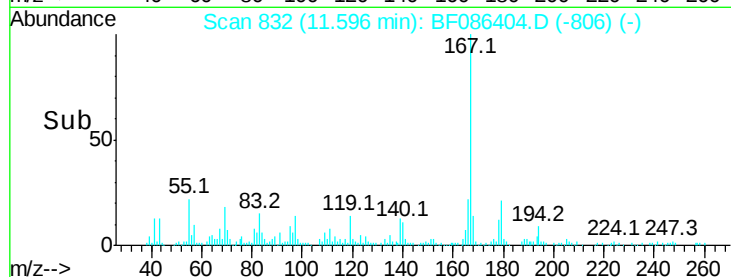
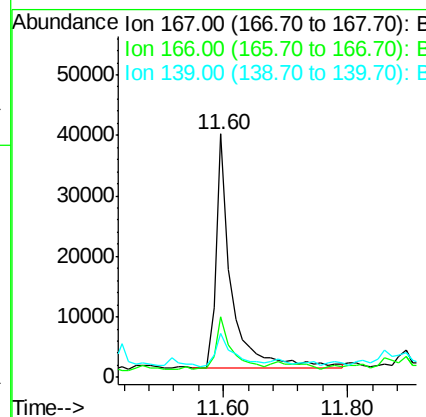
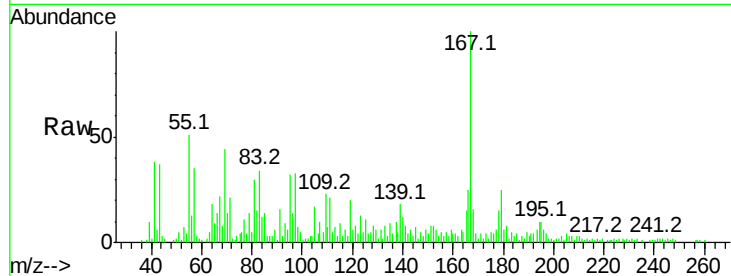
ClientSampleId :

WPG-B10(0-5)-C

Tot Ion	Ratio	Lower	Upper
167	100		
166	25.1	17.7	26.5
139	18.0	10.8	16.2

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#74

Fluoranthene

Concen: 37.98 ng

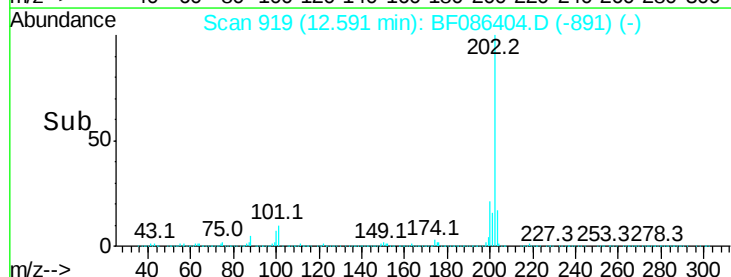
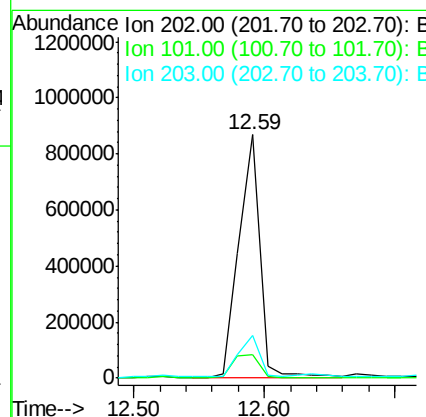
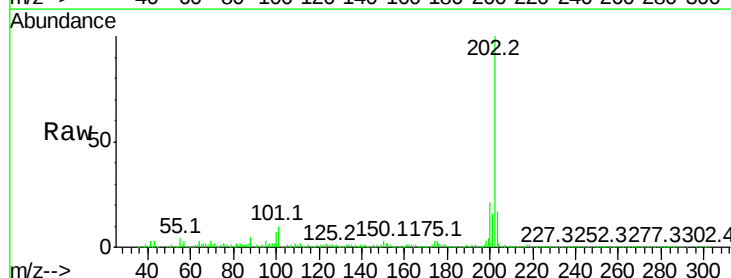
RT: 12.59 min Scan# 919

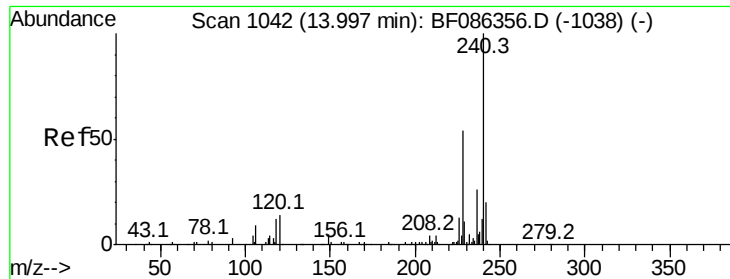
Delta R.T. 0.02 min

Lab File: BF086404.D

Acq: 23 Apr 2016 21:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	35.4
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1043

Delta R.T. 0.01 min

Lab File: BF086404.D

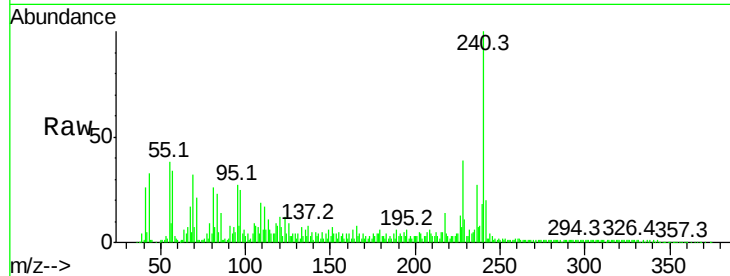
Acq: 23 Apr 2016 21:50

Instrument :

BNA_F

ClientSampleId :

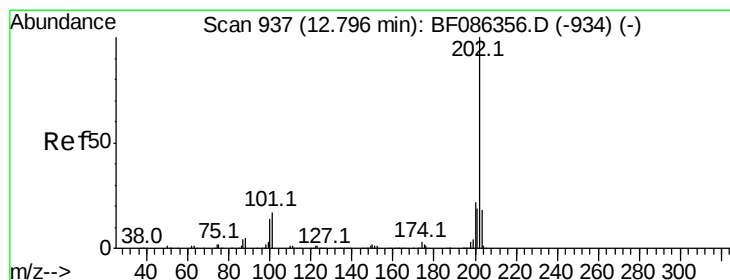
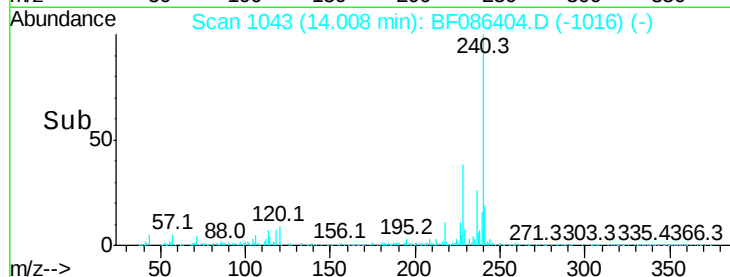
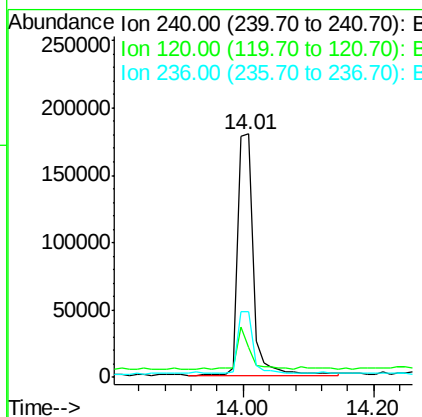
WPG-B10(0-5)-C



Tot Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	12.3		11.2	16.8	
236	27.2		21.2	31.8	

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#77

Pyrene

Concen: 41.28 ng

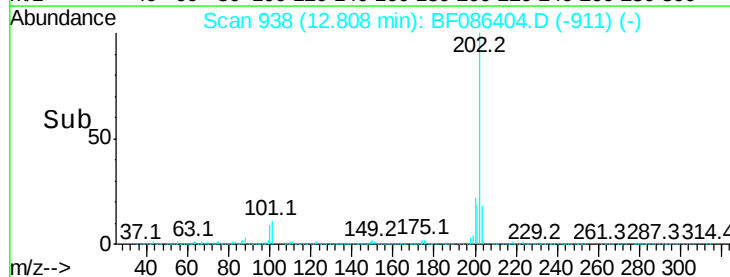
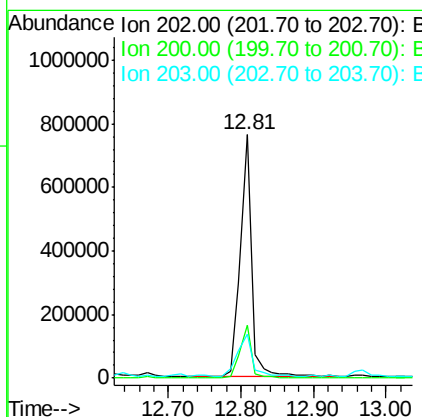
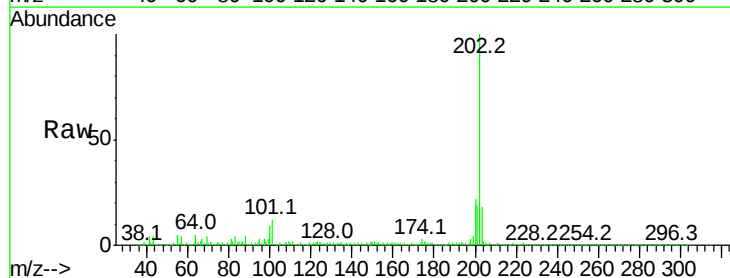
RT: 12.81 min Scan# 938

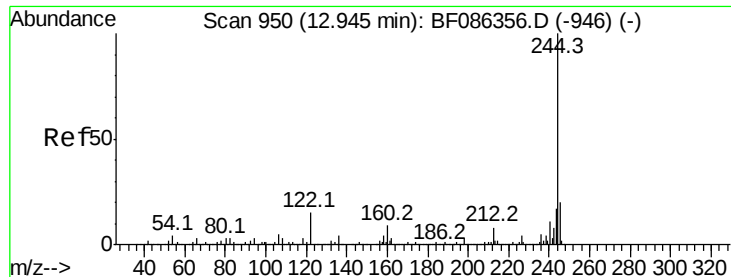
Delta R.T. 0.01 min

Lab File: BF086404.D

Acq: 23 Apr 2016 21:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	21.6		17.7	26.5	
203	18.2		14.2	21.4	





#78

Terphenyl-d14

Concen: 72.74 ng

RT: 12.96 min Scan# 951

Delta R.T. 0.01 min

Lab File: BF086404.D

Acq: 23 Apr 2016 21:50

Instrument :

BNA_F

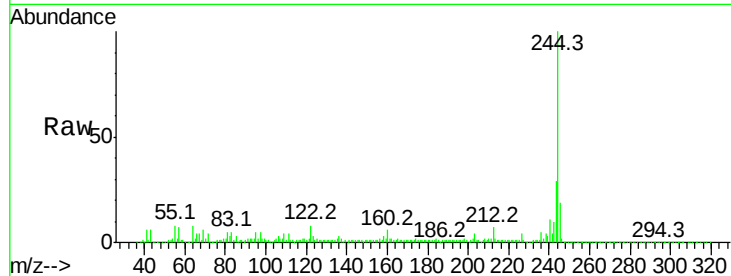
ClientSampleId :

WPG-B10(0-5)-C

Tot Ion:	244	Resp:	853592
Ion Ratio	Lower	Upper	
244	100		
212	6.7	6.2	9.2
122	8.4	12.0	18.0#

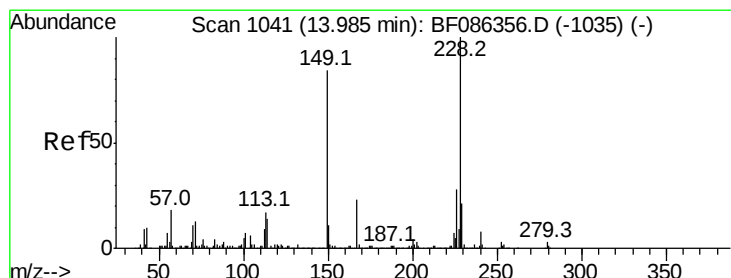
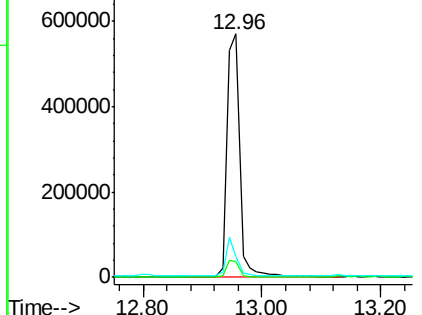
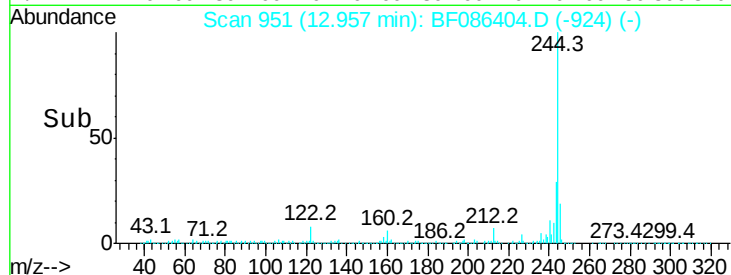
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

12.96



#80

Benzo(a)anthracene

Concen: 18.49 ng

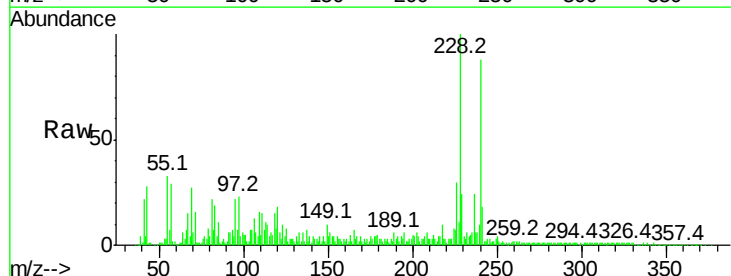
RT: 14.00 min Scan# 1042

Delta R.T. 0.01 min

Lab File: BF086404.D

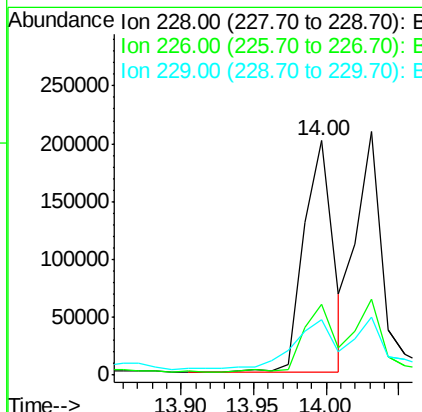
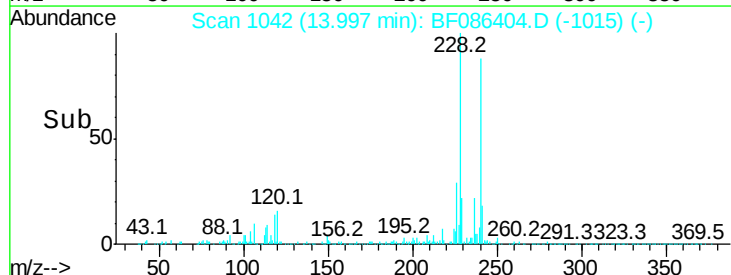
Acq: 23 Apr 2016 21:50

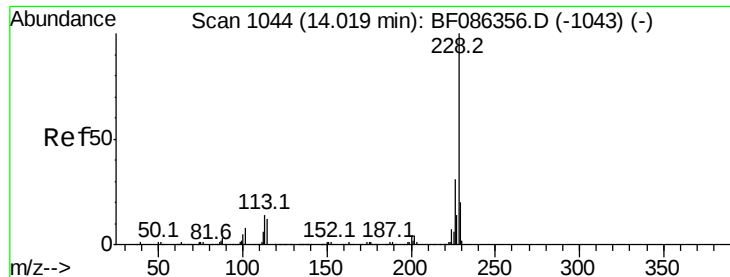
Tgt Ion:	228	Resp:	279925
Ion Ratio	Lower	Upper	
228	100		
226	30.3	22.5	33.7
229	24.0	16.6	25.0



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

14.00





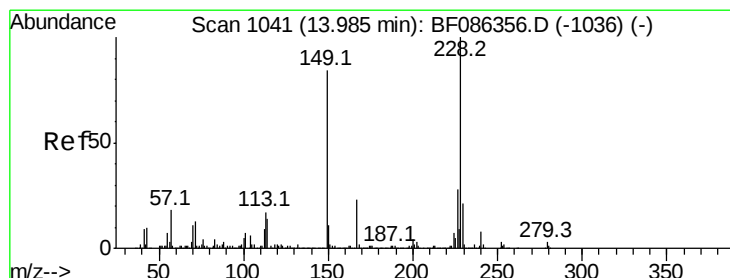
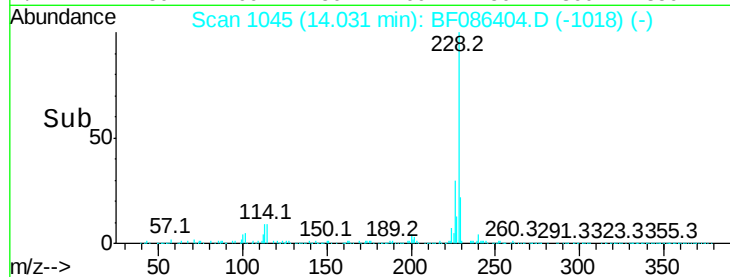
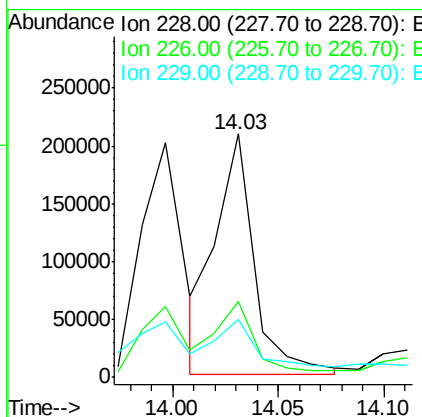
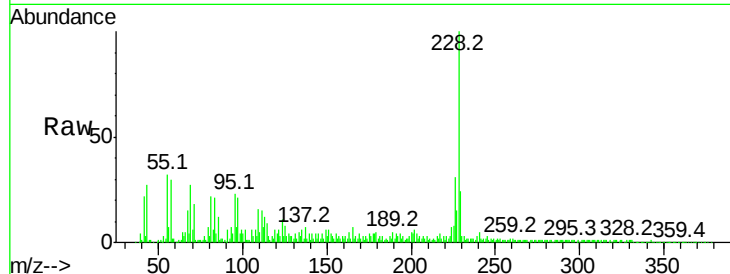
#82
 Chrvsene
 Concen: 15.43 ng m
 RT: 14.03 min Scan# 1045
 Delta R.T. 0.01 min
 Lab File: BF086404.D
 Acq: 23 Apr 2016 21:50

Instrument :
 BNA_F
 ClientSampleId :
 WPG-B10(0-5)-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.4	36.6
229	23.7	15.8	23.8

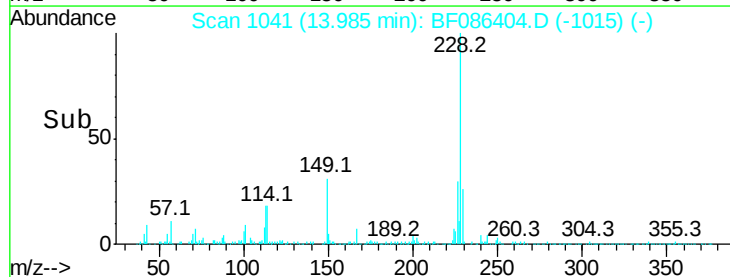
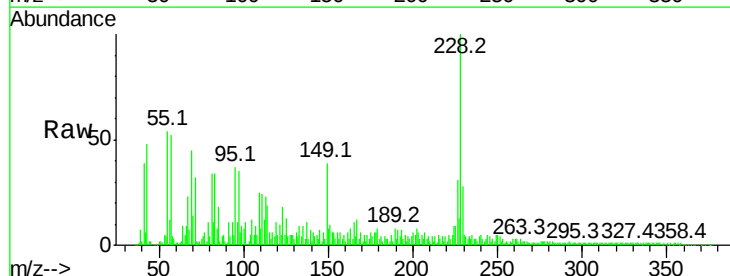
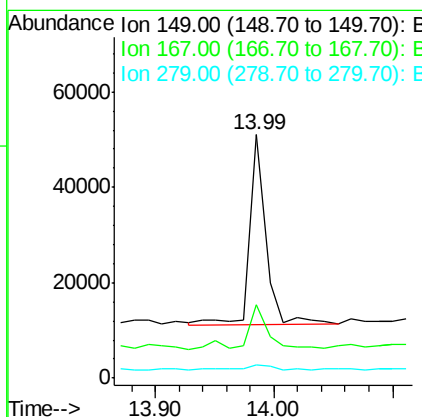
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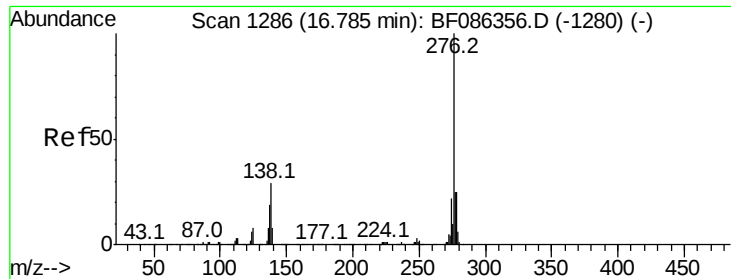
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.60 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: BF086404.D
 Acq: 23 Apr 2016 21:50

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.9	21.8	32.6
279	5.6	2.6	4.0#





#85

Indeno(1,2,3-cd)pyrene

Concen: 6.87 ng

RT: 16.82 min Scan# 1289

Delta R.T. 0.03 min

Lab File: BF086404.D

Acq: 23 Apr 2016 21:50

Instrument :

BNA_F

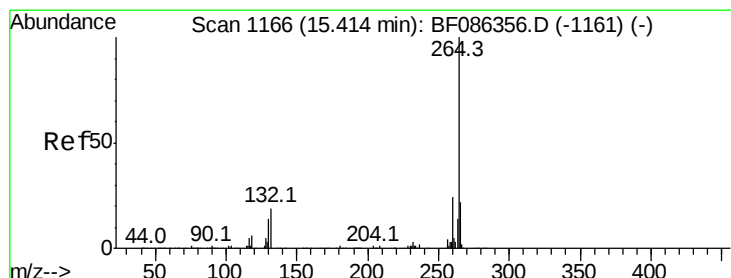
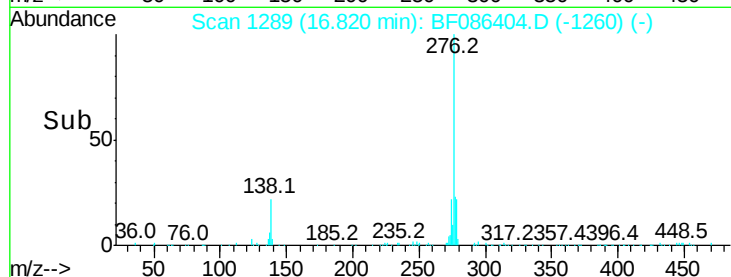
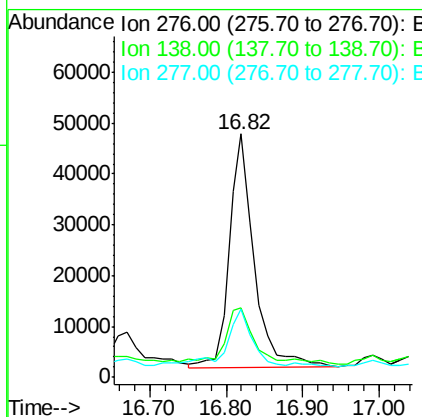
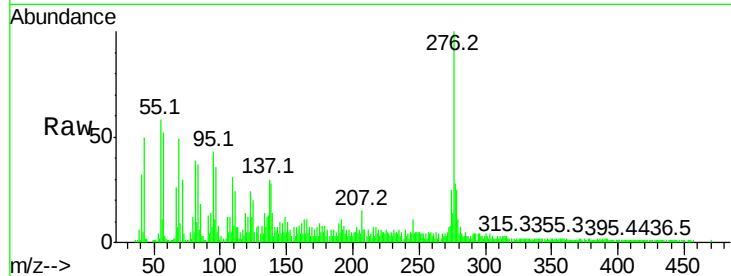
ClientSampleId :

WPG-B10(0-5)-C

Tot Ion:	276	Resp:	104074
Ion Ratio	Lower	Upper	
276	100		
138	23.1	25.6	38.4#
277	24.9	20.5	30.7

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#86

Perylene-d12

Concen: 20.00 ng

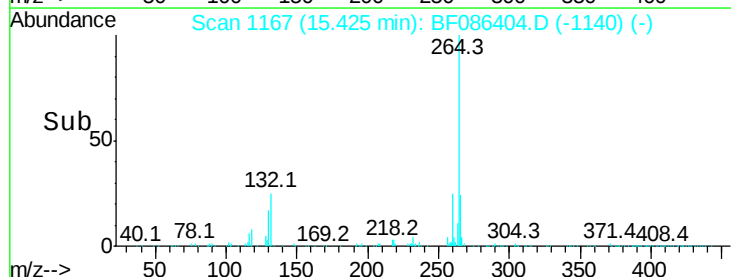
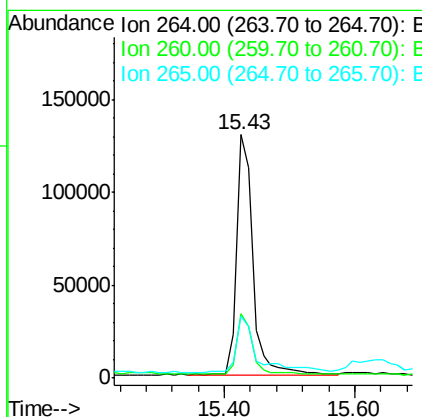
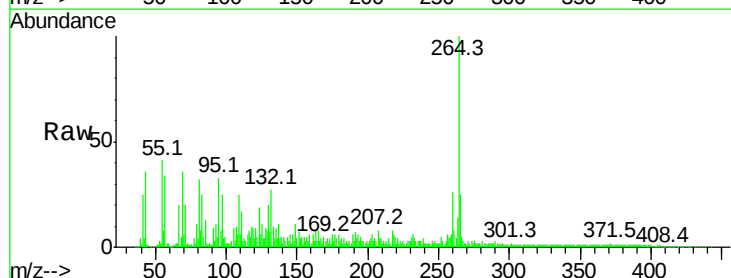
RT: 15.43 min Scan# 1167

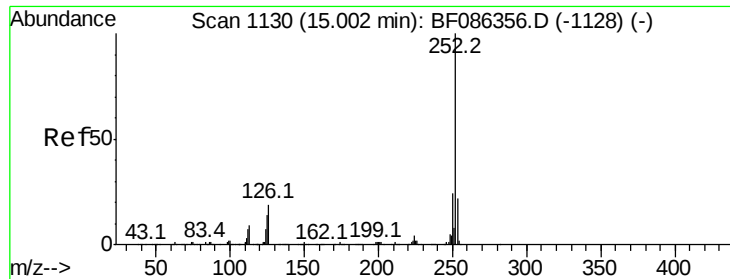
Delta R.T. 0.01 min

Lab File: BF086404.D

Acq: 23 Apr 2016 21:50

Tgt Ion:	264	Resp:	220219
Ion Ratio	Lower	Upper	
264	100		
260	26.4	19.5	29.3
265	25.5	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 18.71 ng m

RT: 15.03 min Scan# 1132

Delta R.T. 0.02 min

Lab File: BF086404.D

Acq: 23 Apr 2016 21:50

Instrument :

BNA_F

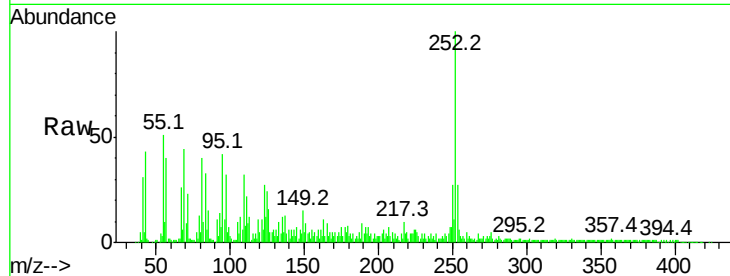
ClientSampleId :

WPG-B10(0-5)-C

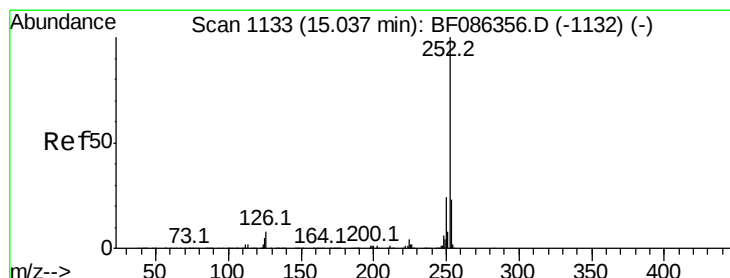
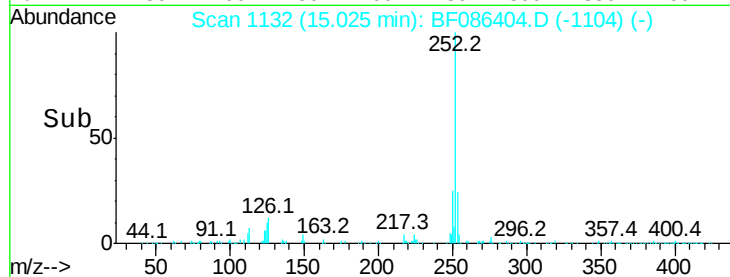
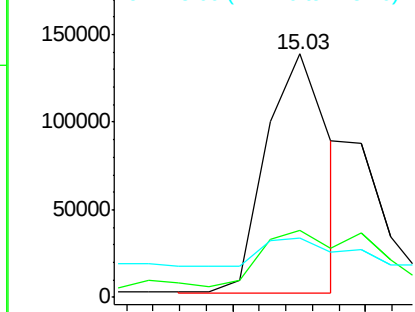
Tot Ion:	252	Resp:	226130
Ion Ratio	Lower	Upper	
252	100		
253	27.5	17.8	26.6#
125	24.1	11.4	17.0#

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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: 7.91 ng m

RT: 15.04 min Scan# 1133

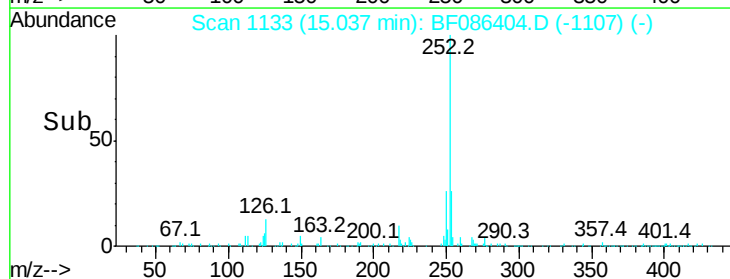
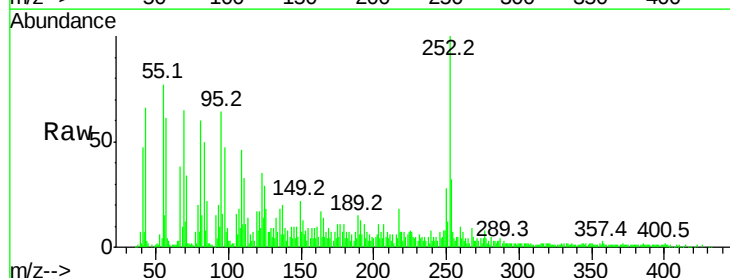
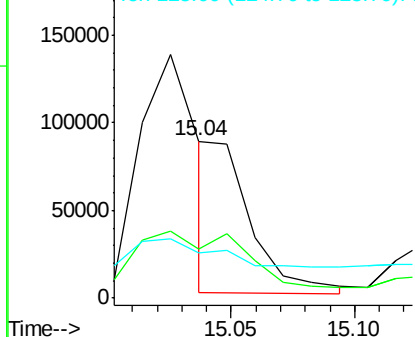
Delta R.T. 0.00 min

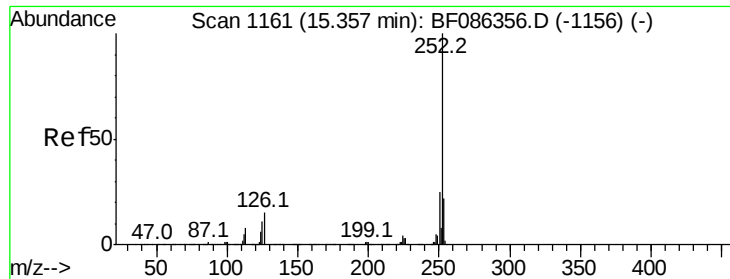
Lab File: BF086404.D

Acq: 23 Apr 2016 21:50

Tgt Ion:	252	Resp:	93802
Ion Ratio	Lower	Upper	
252	100		
253	31.5	17.8	26.6#
125	28.9	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





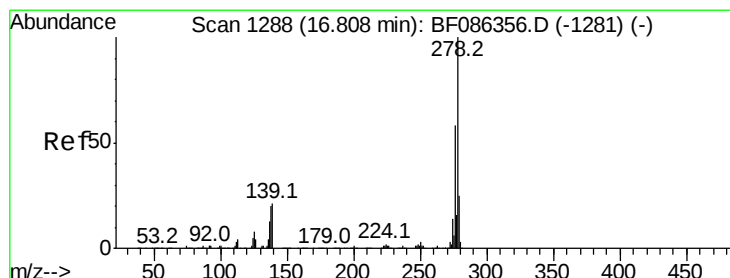
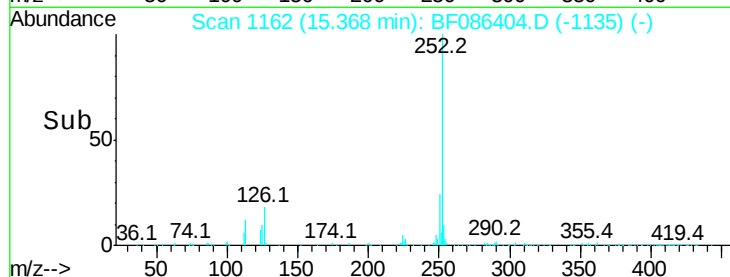
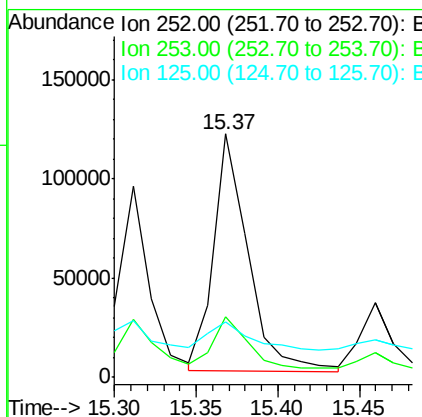
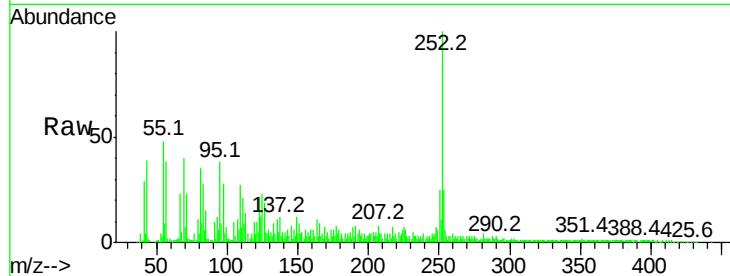
#89
Benzo(a)pyrene
Concen: 14.79 ng
RT: 15.37 min Scan# 1162
Delta R.T. 0.01 min
Lab File: BF086404.D
Acq: 23 Apr 2016 21:50

Instrument :
BNA_F
ClientSampleId :
WPG-B10(0-5)-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.2	25.8
125	22.7	9.0	13.6#

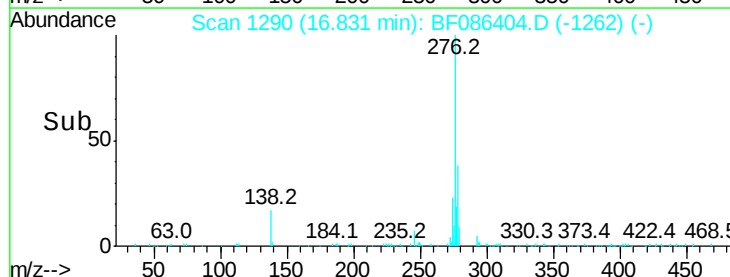
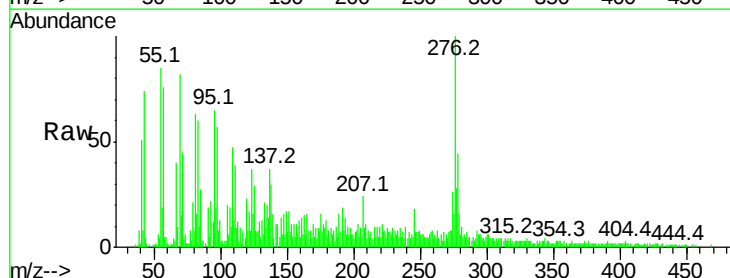
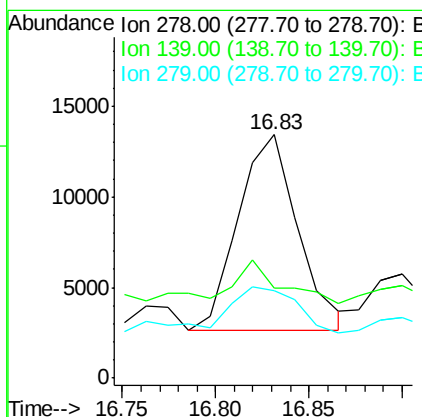
Manual Integrations
APPROVED

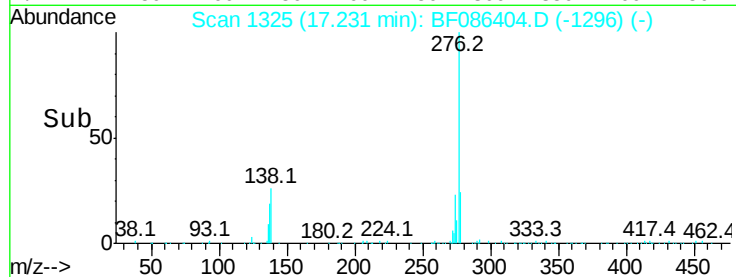
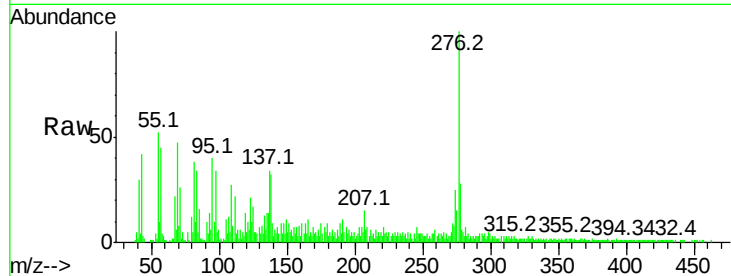
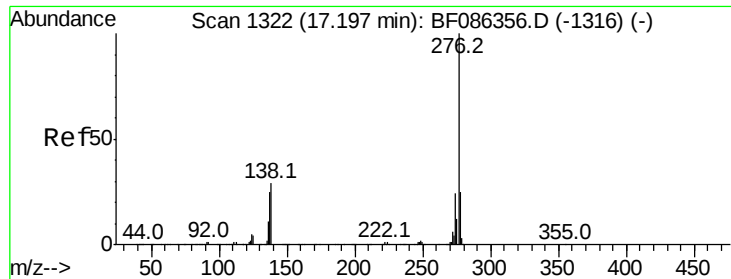
sohil
4/25/2016 12:36:11 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.45 ng
RT: 16.83 min Scan# 1290
Delta R.T. 0.02 min
Lab File: BF086404.D
Acq: 23 Apr 2016 21:50

Tgt Ion	Ratio	Lower	Upper
278	100		
139	37.2	16.6	24.8#
279	36.1	19.6	29.4#





#91

Benzo(a,h,i)perylene

Concen: 10.45 ng

RT: 17.23 min Scan# 1325

Delta R.T. 0.03 min

Lab File: BF086404.D

Acq: 23 Apr 2016 21:50

Instrument :

BNA_F

ClientSampleId :

WPG-B10(0-5)-C

Tot Ion: 276 Resp: 106066

Ion Ratio Lower Upper

276 100

277 28.3 19.6 29.4

138 31.9 23.6 35.4

Manual Integrations
APPROVED

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