

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
 Data File : BF091603.D
 Acq On : 14 Dec 2016 23:58
 Operator : UM/SJ
 Sample : H6006-22
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2-0-5

Manual Integrations
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Quant Time: Dec 15 02:19:28 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	286880	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	1011044	20.00	ng	-0.02
38) Acenaphthene-d10	9.84	164	464469	20.00	ng	-0.02
63) Phenanthrene-d10	11.31	188	607760	20.00	ng	-0.02
75) Chrysene-d12	13.95	240	513006	20.00	ng	-0.01
86) Perylene-d12	15.37	264	537172	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	647855	38.05	ng	-0.02
7) Phenol-d6	6.43	99	1153322	54.33	ng	-0.02
23) Nitrobenzene-d5	7.36	82	763850	42.17	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	258318	66.96	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	1506689	56.05	ng	-0.02
78) Terphenyl-d14	12.90	244	1152314	50.97	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.44	94	71548	2.88	ng	93
31) Naphthalene	8.10	128	137873	2.93	ng	97
48) Acenaphthylene	9.69	152	172837	4.35	ng	98
49) Dimethylphthalate	9.55	163	239977	8.16	ng	98
51) Acenaphthene	9.86	154	133864	4.85	ng	98
54) Dibenzofuran	10.04	168	142313	4.17	ng	# 86
70) Phenanthrene	11.34	178	2400433	79.76	ng	99
71) Anthracene	11.39	178	604870	18.63	ng	99
72) Carbazole	11.55	167	307012	10.79	ng	# 94
74) Fluoranthene	12.53	202	3287994	104.34	ng	95
77) Pyrene	12.76	202	2941564	72.27	ng	97
80) Benzo(a)anthracene	13.94	228	1868240	62.71	ng	94
82) Chrysene	13.99	228	1602205	51.40	ng	98
83) Bis(2-ethylhexyl)phthalate	13.94	149	55050	2.70	ng	96
85) Indeno(1,2,3-cd)pyrene	16.74	276	787489	28.08	ng	95
87) Benzo(b)fluoranthene	14.98	252	2271479m	70.93	ng	
88) Benzo(k)fluoranthene	14.99	252	493519m	17.53	ng	
89) Benzo(a)pyrene	15.32	252	1305265	45.25	ng	# 95
90) Dibenz(a,h)anthracene	16.75	278	217167m	8.40	ng	
91) Benzo(a,h,i)perylene	17.15	276	690454	26.25	ng	# 93

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

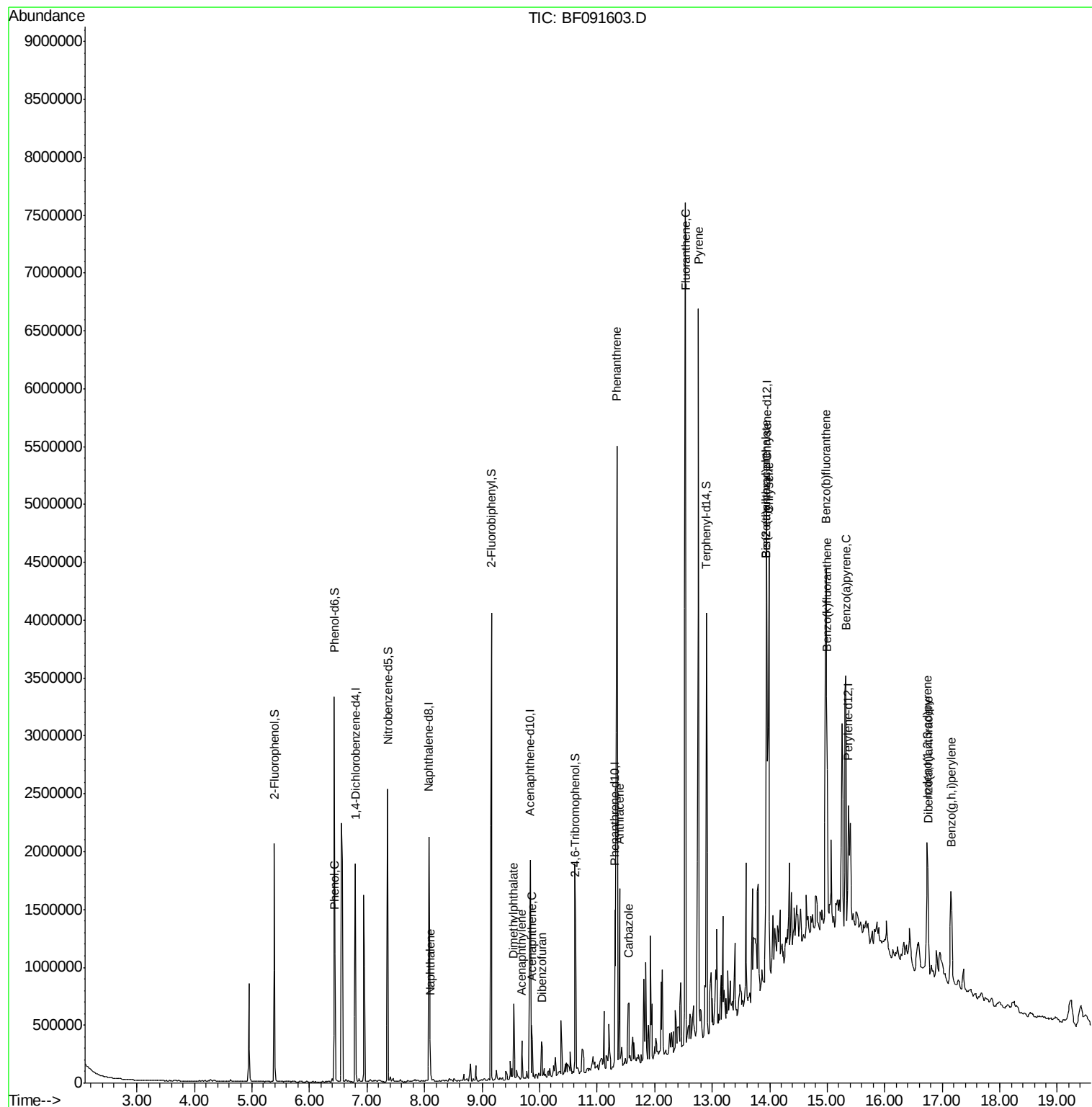
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
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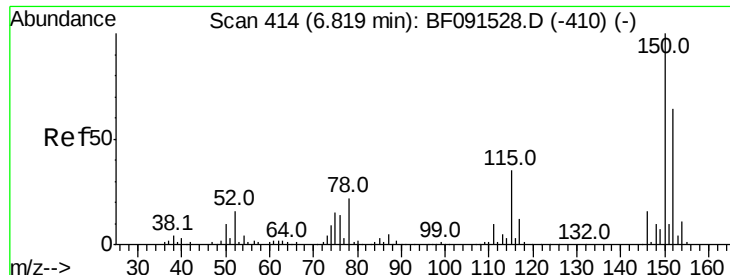
Instrument :
BNA_F
ClientSampleId :
WC-2-0-5

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Quant Time: Dec 15 02:19:28 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 09 19:00:21 2016
Response via : Initial Calibration





#1

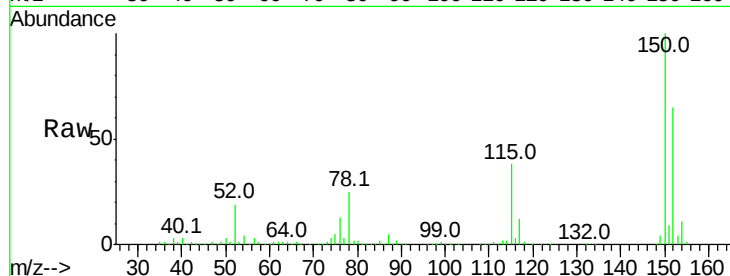
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.02 min
Lab File: BF091603.D
Acq: 14 Dec 2016 23:58

Instrument :
BNA_F
ClientSampleId :
WC-2-0-5

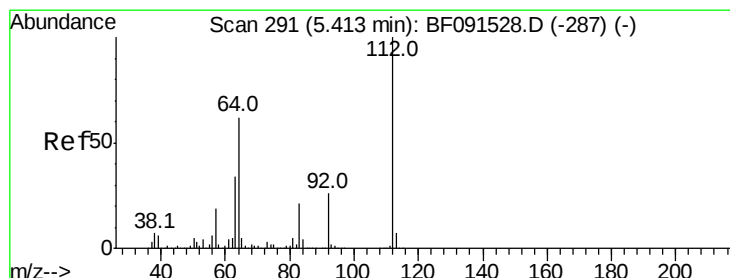
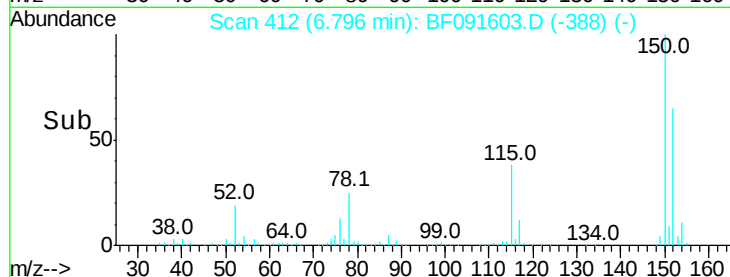
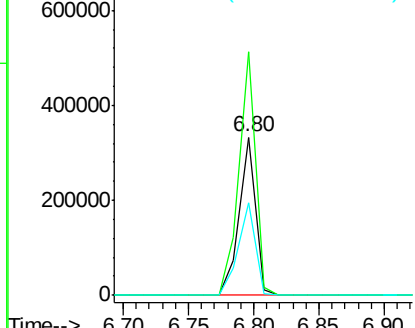
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	122.5	183.7
115	58.5	51.8	77.8

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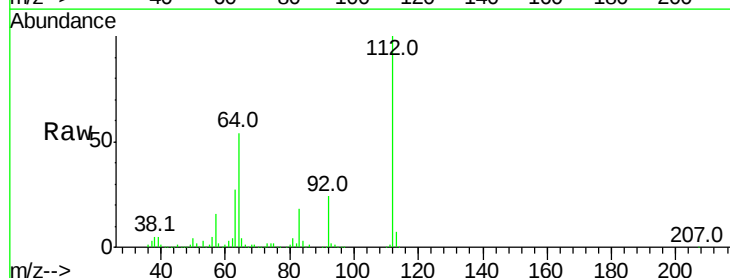
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



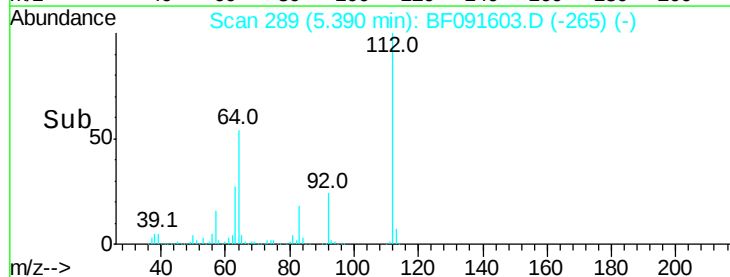
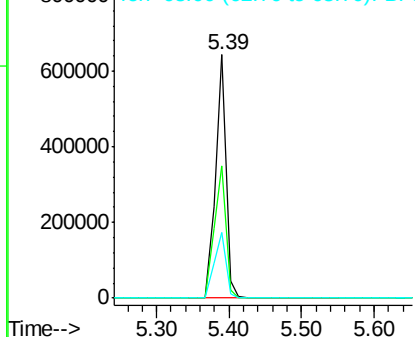
#5

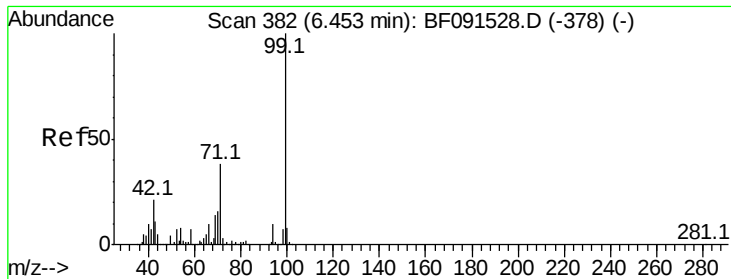
2-Fluorophenol
Concen: 38.05 ng
RT: 5.39 min Scan# 289
Delta R.T. -0.02 min
Lab File: BF091603.D
Acq: 14 Dec 2016 23:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	61.5	92.3#
63	27.2	33.3	49.9#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 54.33 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.02 min

Lab File: BF091603.D

Acq: 14 Dec 2016 23:58

Instrument :

BNA_F

ClientSampleId :

WC-2-0-5

Tot Ion: 99 Resp: 1153322

Ion Ratio Lower Upper

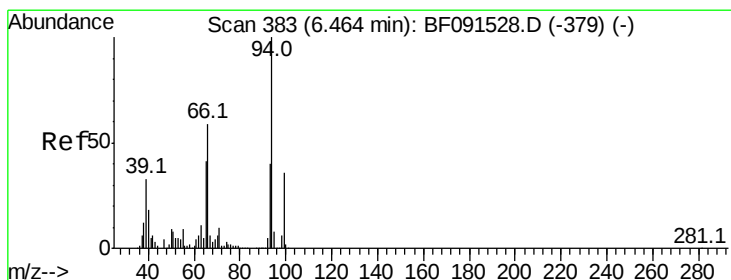
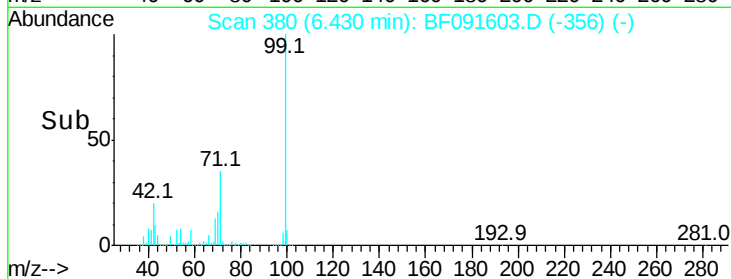
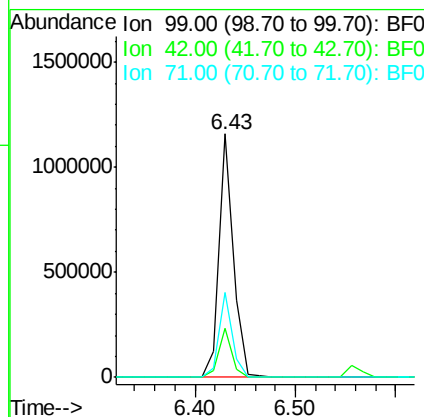
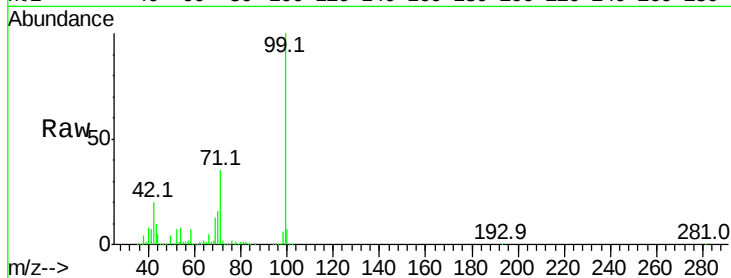
99 100

42 20.3 20.6 31.0#

71 34.9 29.9 44.9

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#10

Phenol

Concen: 2.88 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.02 min

Lab File: BF091603.D

Acq: 14 Dec 2016 23:58

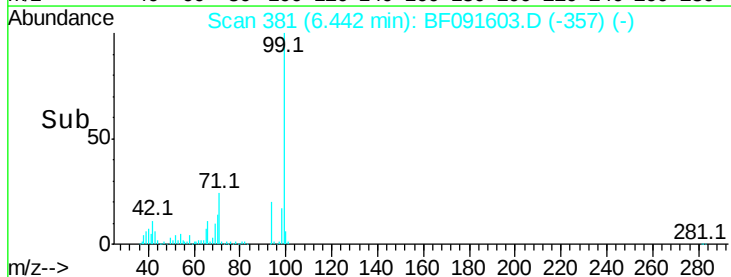
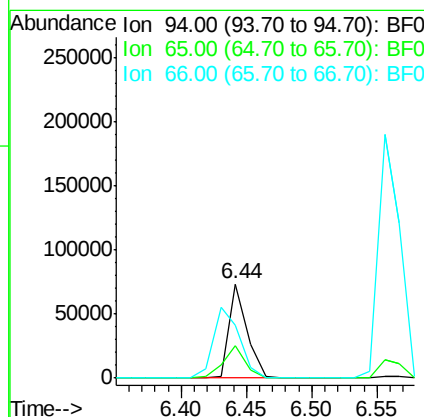
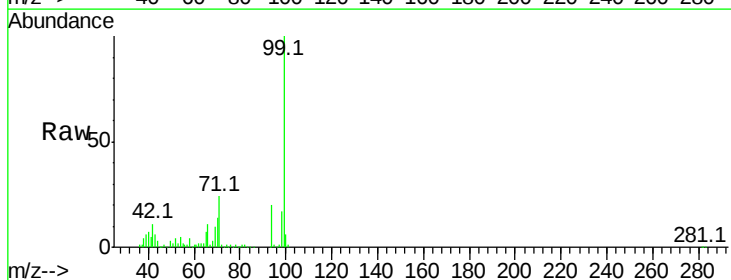
Tgt Ion: 94 Resp: 71548

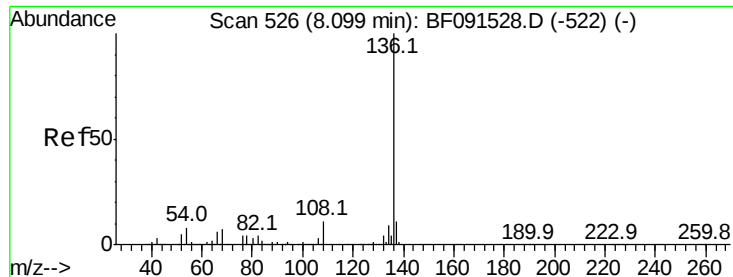
Ion Ratio Lower Upper

94 100

65 33.9 16.9 56.9

66 56.9 30.6 70.6





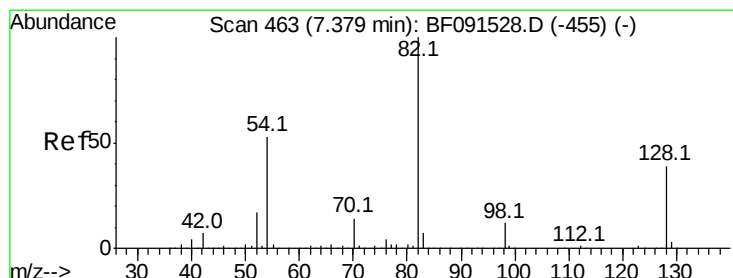
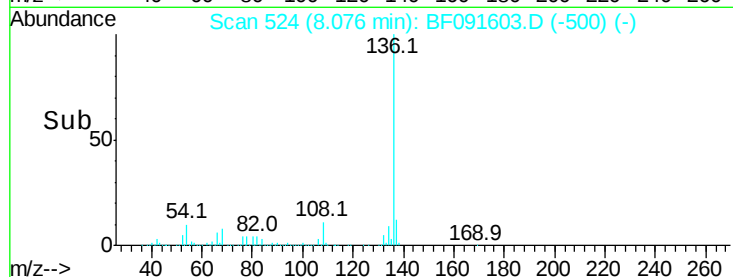
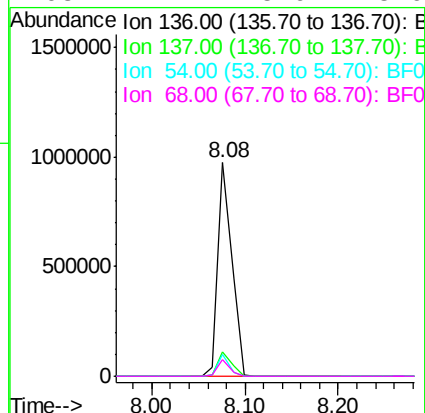
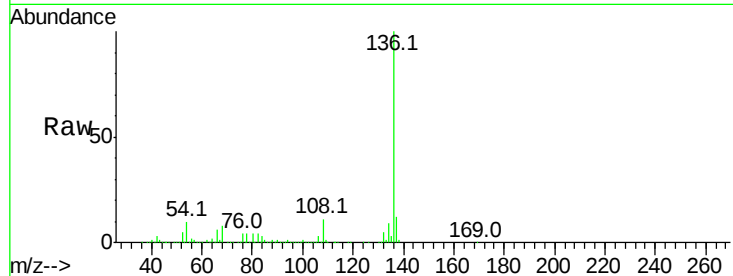
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.02 min
Lab File: BF091603.D
Acq: 14 Dec 2016 23:58

Instrument :
BNA_F
ClientSampled :
WC-2-0-5

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	9.9	9.1	13.7
68	7.7	5.9	8.9

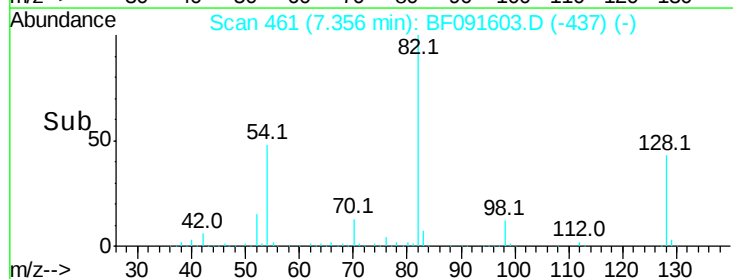
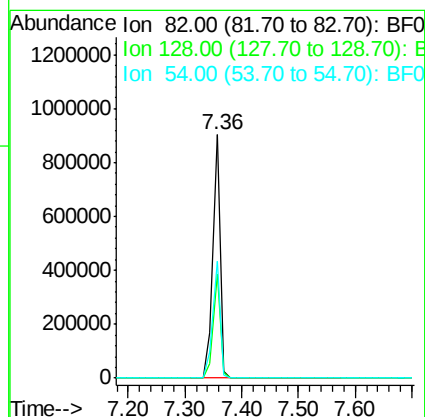
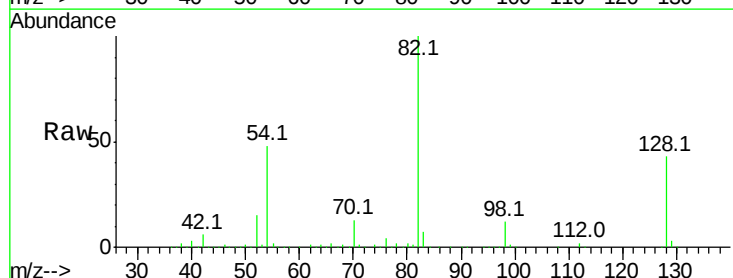
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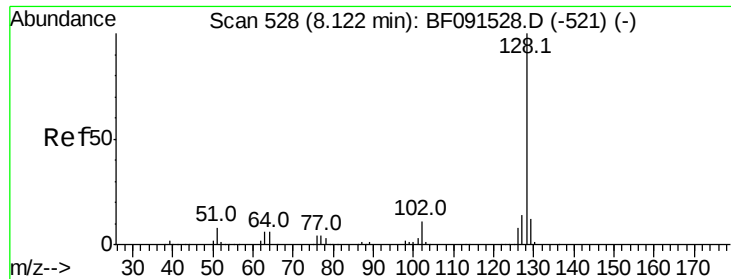
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#23
Nitrobenzene-d5
Concen: 42.17 ng
RT: 7.36 min Scan# 461
Delta R.T. -0.02 min
Lab File: BF091603.D
Acq: 14 Dec 2016 23:58

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.9	31.8	47.6
54	48.2	49.1	73.7#





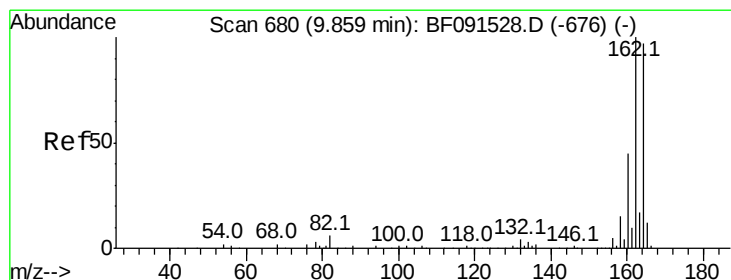
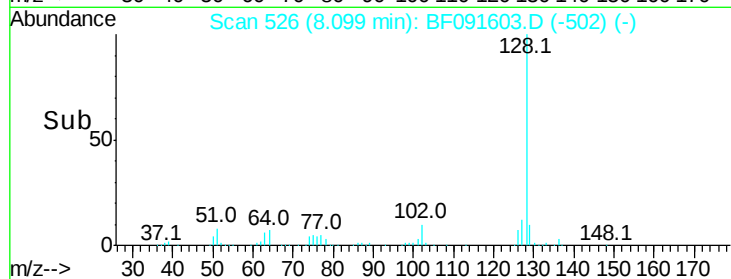
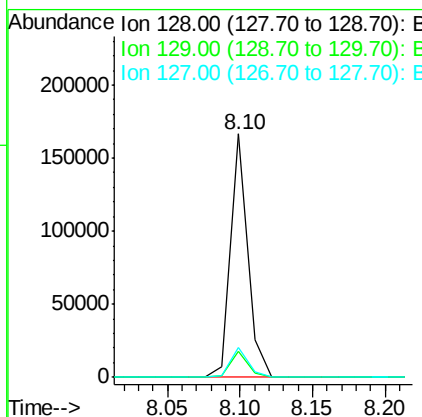
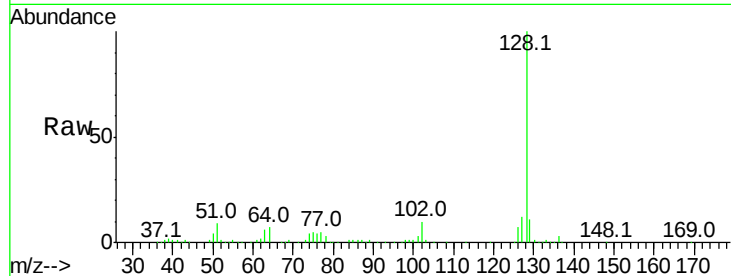
#31
Naphthalene
Concen: 2.93 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.02 min
Lab File: BF091603.D
Acq: 14 Dec 2016 23:58

Instrument :
BNA_F
ClientSampleId :
WC-2-0-5

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.1	13.7
127	12.1	11.0	16.4

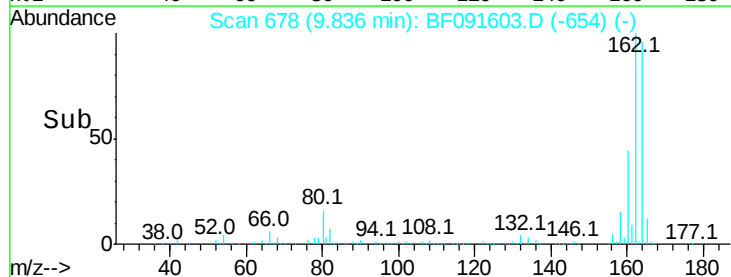
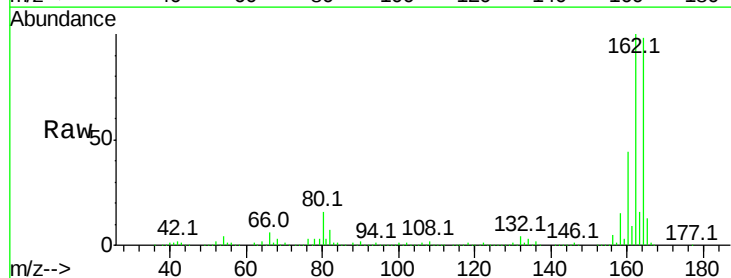
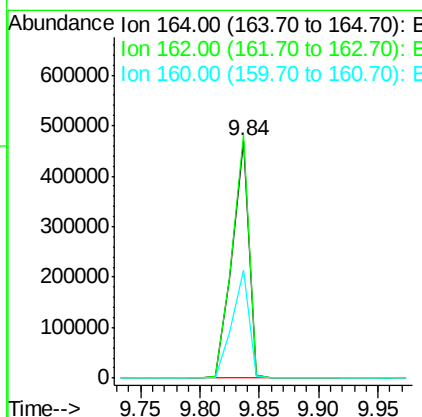
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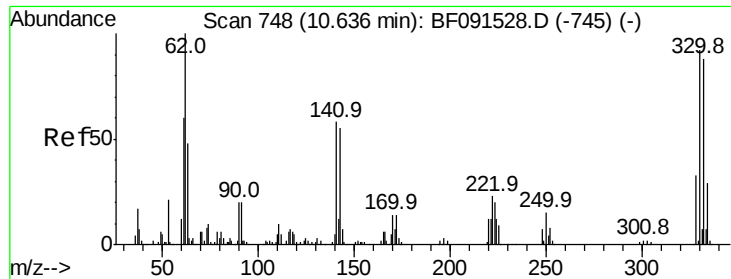
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 678
Delta R.T. -0.02 min
Lab File: BF091603.D
Acq: 14 Dec 2016 23:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	82.6	124.0
160	45.4	36.7	55.1





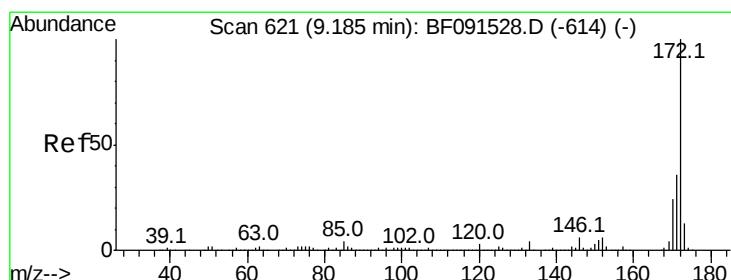
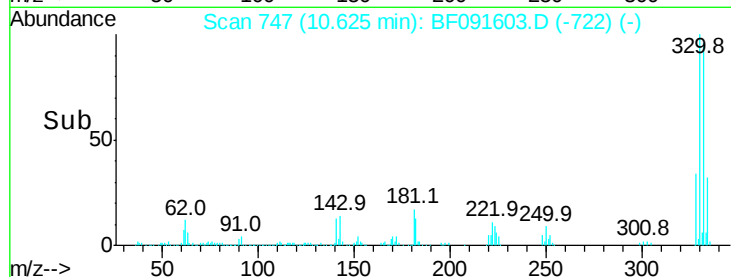
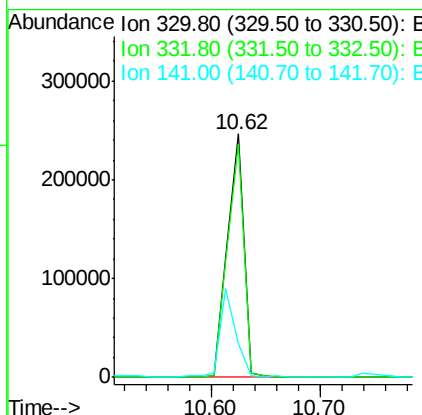
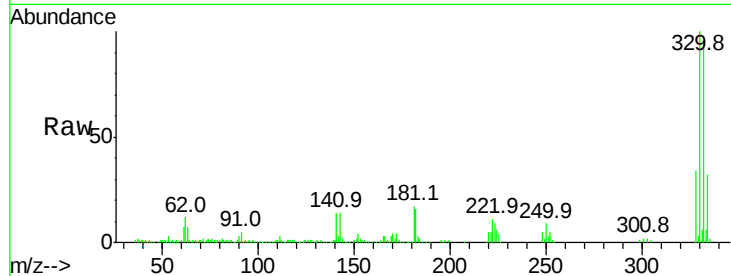
#41
 2,4,6-Tribromophenol
 Concen: 66.96 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF091603.D
 Acq: 14 Dec 2016 23:58

Instrument :
 BNA_F
 ClientSampleId :
 WC-2-0-5

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.6	76.2	114.4	
141	35.4	33.6	50.4	

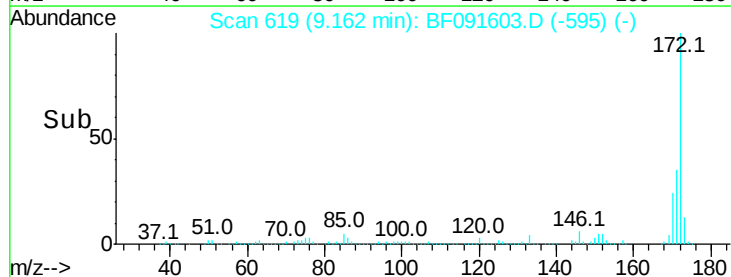
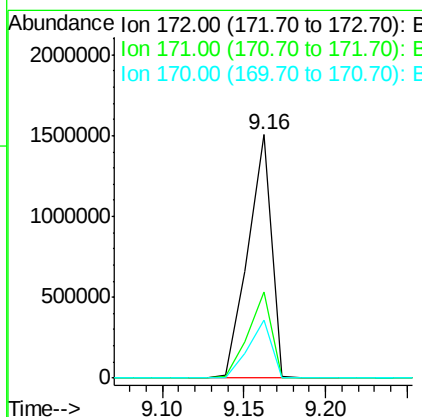
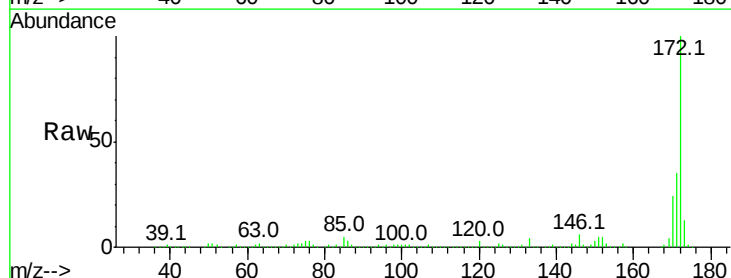
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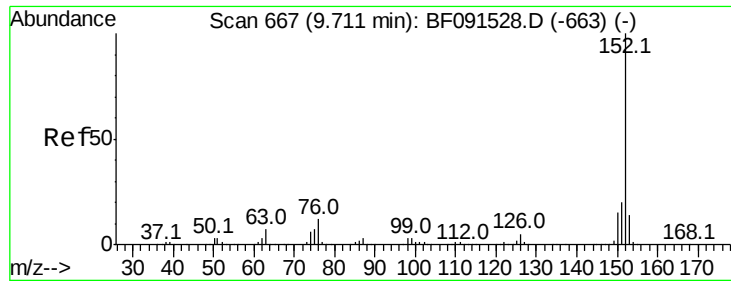
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#44
 2-Fluorobiphenyl
 Concen: 56.05 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.02 min
 Lab File: BF091603.D
 Acq: 14 Dec 2016 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.2	29.4	44.0	
170	23.6	19.7	29.5	





#48

Acenaphthylene

Concen: 4.35 ng

RT: 9.69 min Scan# 665

Delta R.T. -0.02 min

Lab File: BF091603.D

Acq: 14 Dec 2016 23:58

Instrument :

BNA_F

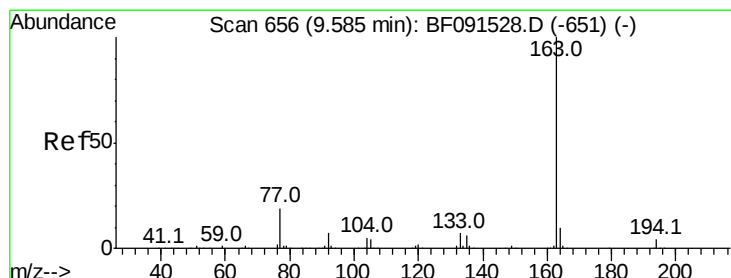
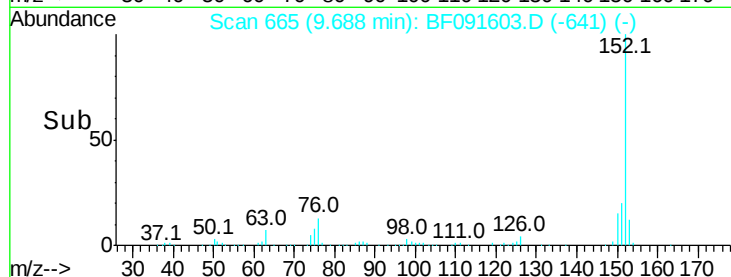
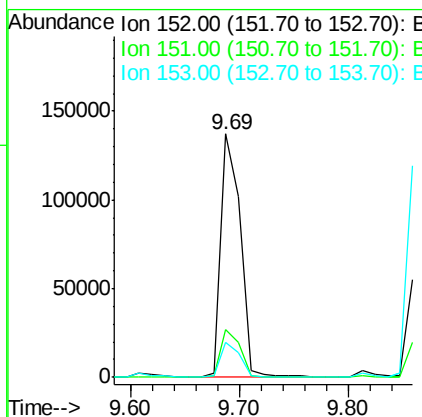
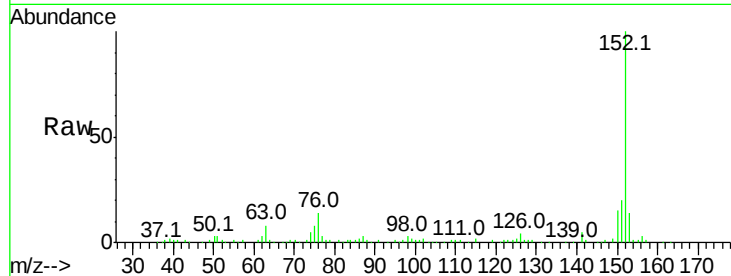
ClientSampleId :

WC-2-0-5

Tot Ion:	152	Resp:	172837
Ion Ratio	Lower	Upper	
152	100		
151	19.8	16.6	24.8
153	14.1	10.7	16.1

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#49

Dimethylphthalate

Concen: 8.16 ng

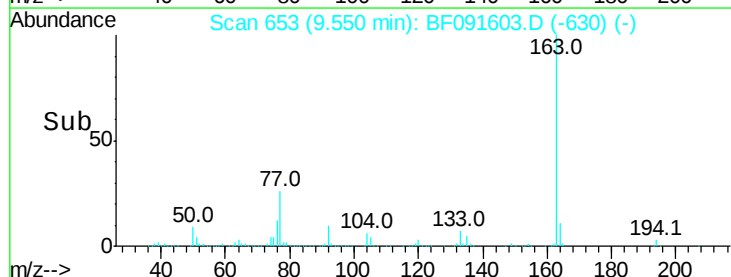
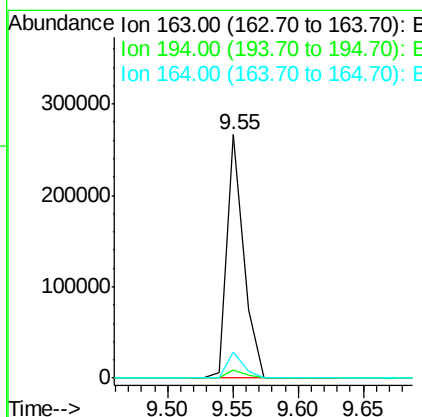
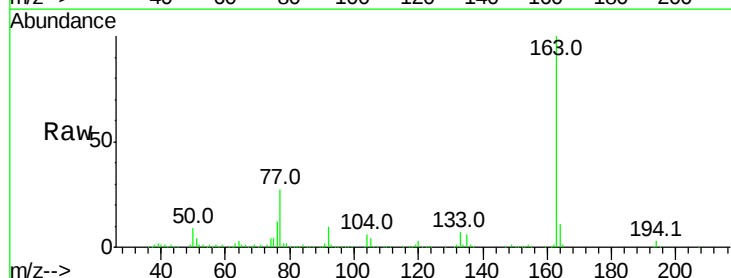
RT: 9.55 min Scan# 653

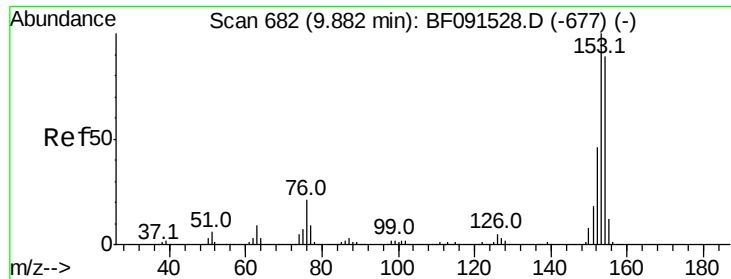
Delta R.T. -0.03 min

Lab File: BF091603.D

Acq: 14 Dec 2016 23:58

Tgt Ion:	163	Resp:	239977
Ion Ratio	Lower	Upper	
163	100		
194	3.3	3.0	4.4
164	10.8	7.8	11.8





#51

Acenaphthene

Concen: 4.85 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF091603.D

Acq: 14 Dec 2016 23:58

Instrument :

BNA_F

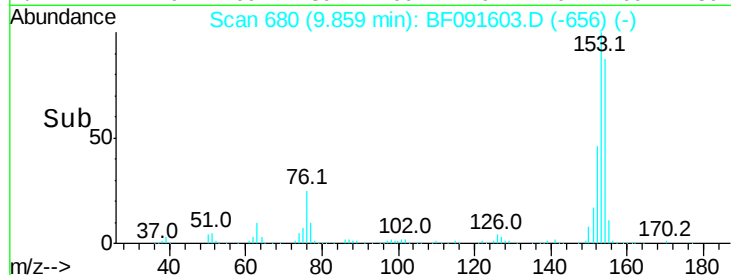
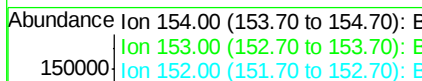
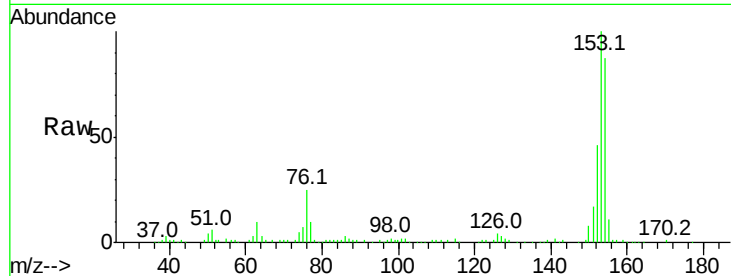
ClientSampleId :

WC-2-0-5

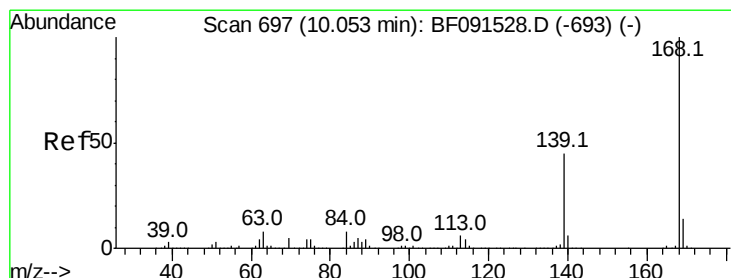
Tot Ion:	154	Resp:	133864
Ion Ratio	Lower	Upper	
154	100		
153	114.6	91.0	136.6
152	52.7	44.2	66.2

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#54

Dibenzofuran

Concen: 4.17 ng

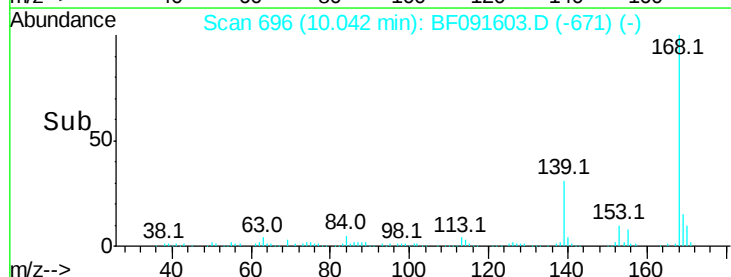
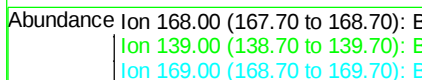
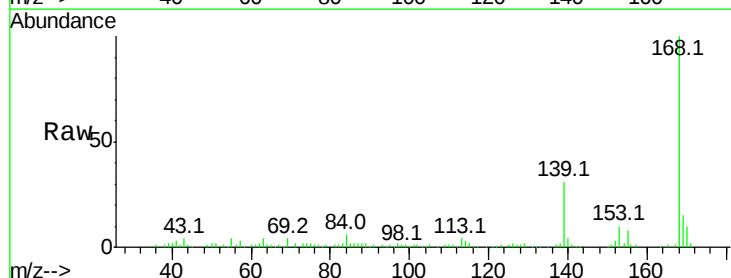
RT: 10.04 min Scan# 696

Delta R.T. -0.01 min

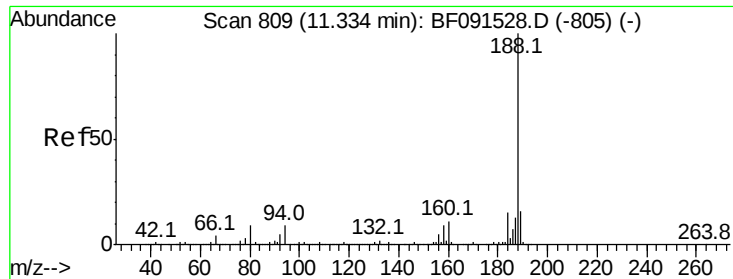
Lab File: BF091603.D

Acq: 14 Dec 2016 23:58

Tgt Ion:	168	Resp:	142313
Ion Ratio	Lower	Upper	
168	100		
139	30.8	33.4	50.2#
169	14.9	11.1	16.7



Time-->



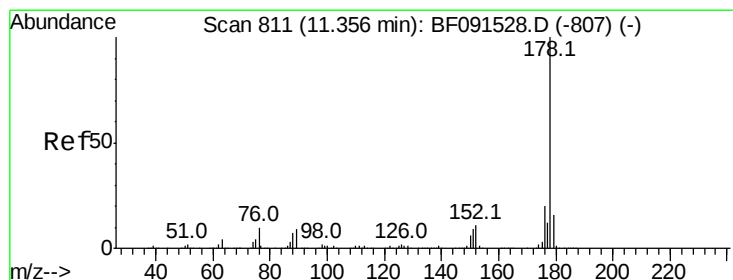
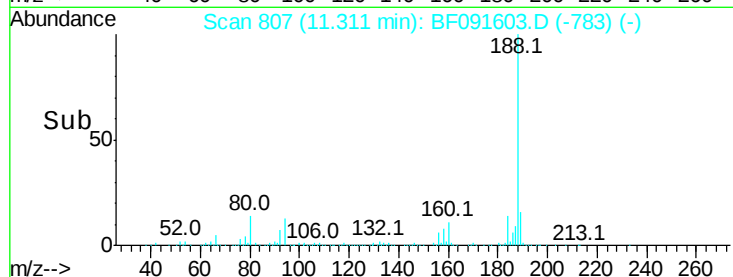
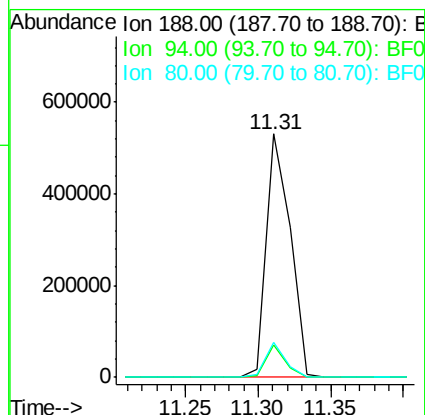
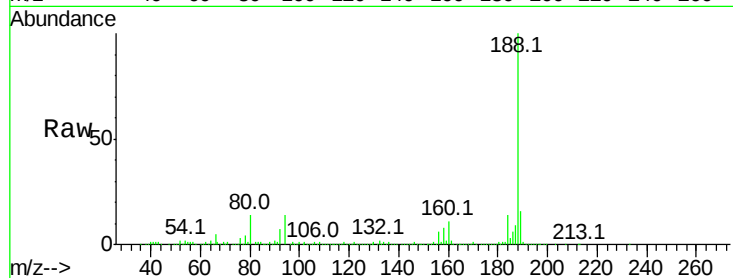
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.31 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF091603.D
Acq: 14 Dec 2016 23:58

Instrument :
BNA_F
ClientSampleId :
WC-2-0-5

Tot Ion	Ratio	Resp	Lower	Upper
188	100	607760		
94	13.5		9.2	13.8
80	14.1		10.5	15.7

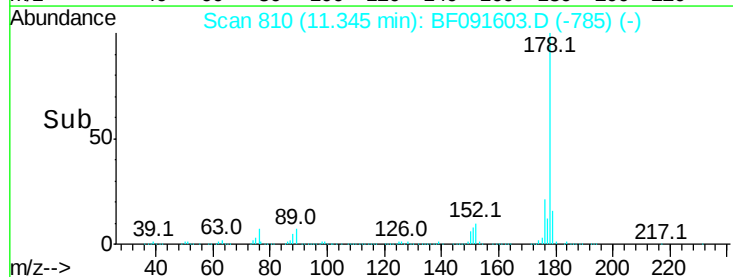
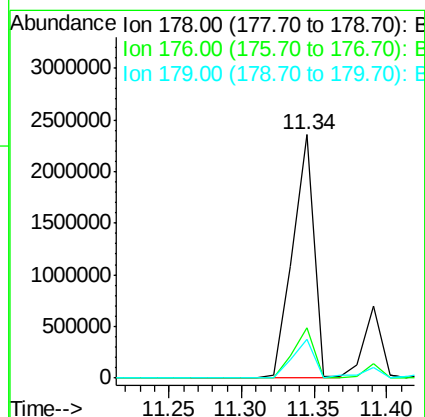
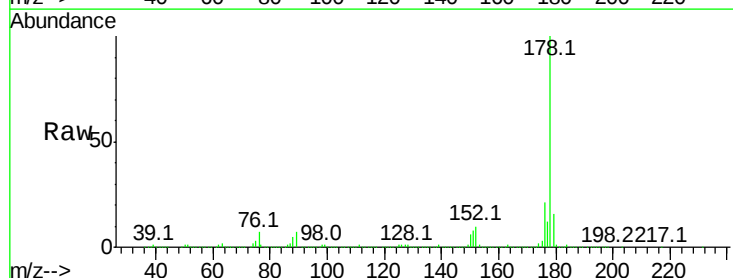
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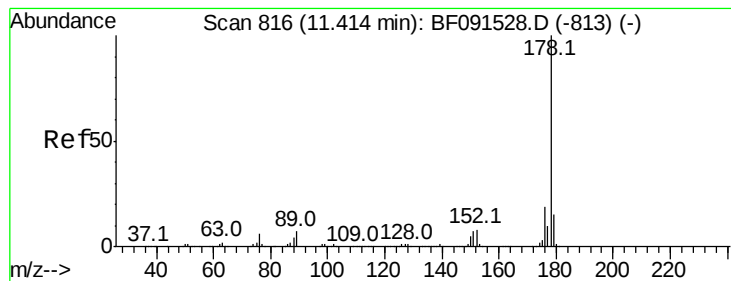
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#70
Phenanthrene
Concen: 79.76 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF091603.D
Acq: 14 Dec 2016 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2400433		
176	20.6		15.9	23.9
179	16.1		12.6	18.8





#71

Anthracene

Concen: 18.63 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.02 min

Lab File: BF091603.D

Acq: 14 Dec 2016 23:58

Instrument :

BNA_F

ClientSampleId :

WC-2-0-5

Tot Ion:178 Resp: 604870

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.6

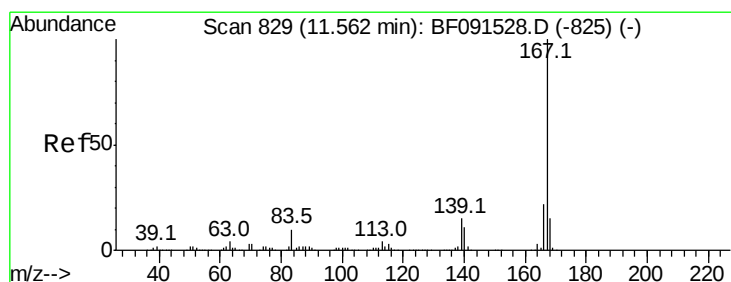
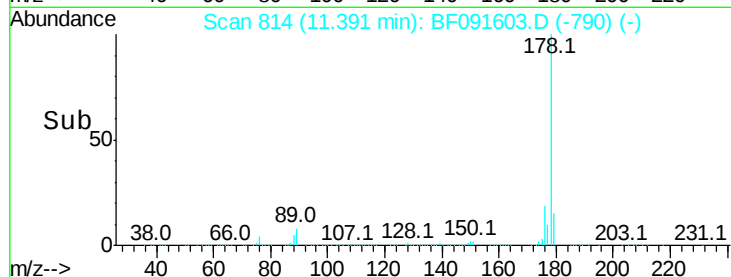
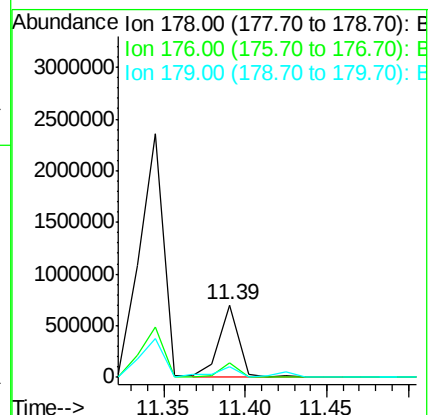
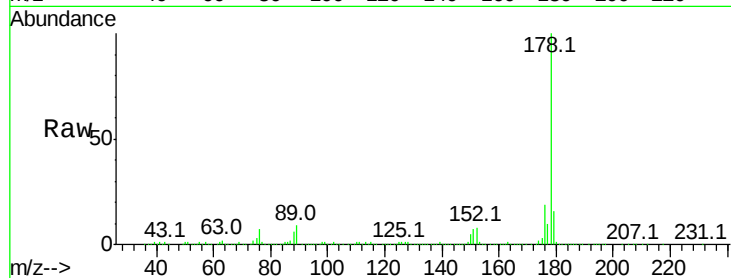
179 15.6 12.7 19.1

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#72

Carbazole

Concen: 10.79 ng

RT: 11.55 min Scan# 828

Delta R.T. -0.01 min

Lab File: BF091603.D

Acq: 14 Dec 2016 23:58

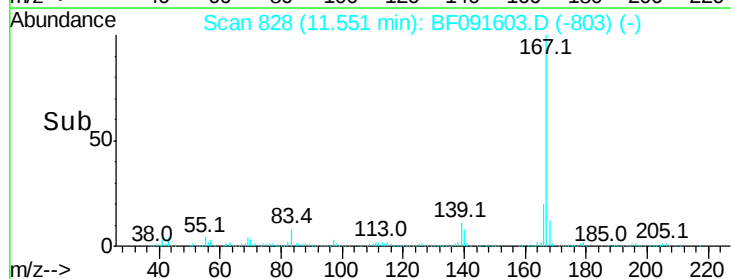
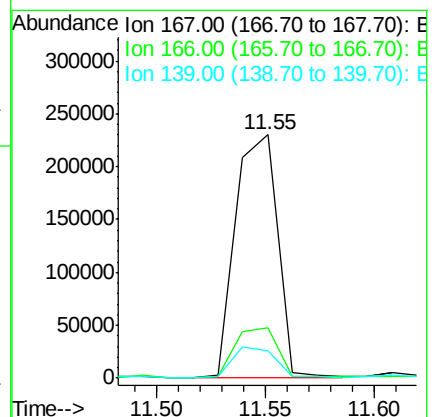
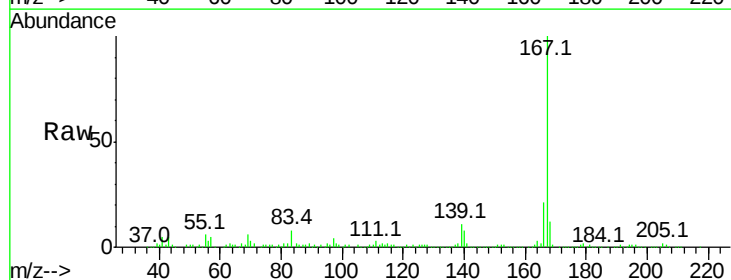
Tgt Ion:167 Resp: 307012

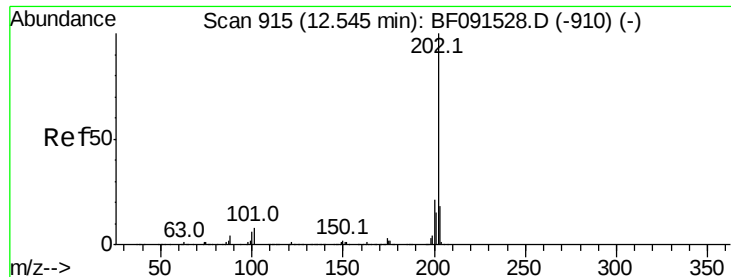
Ion Ratio Lower Upper

167 100

166 20.6 18.1 27.1

139 11.2 11.5 17.3#





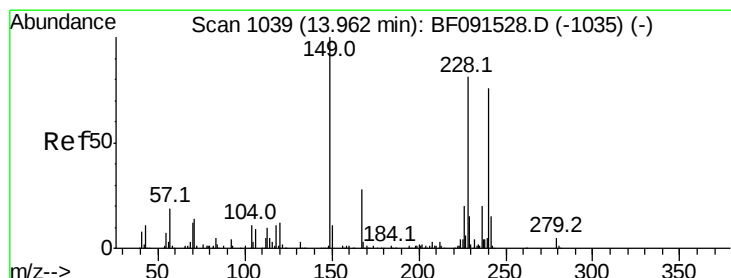
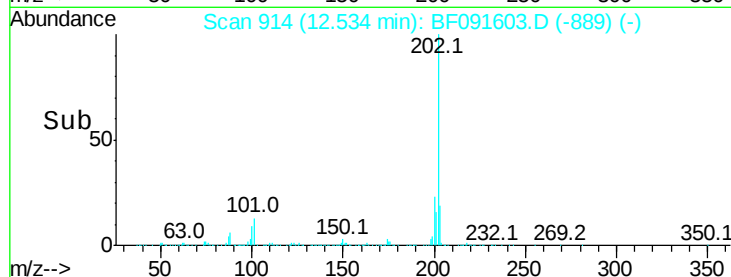
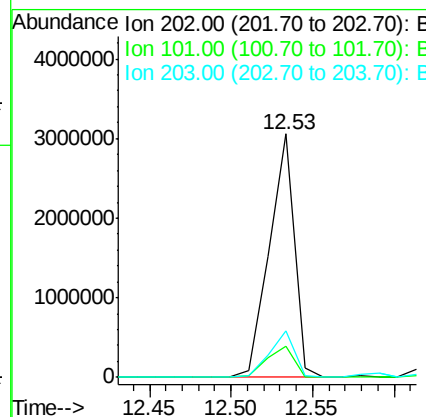
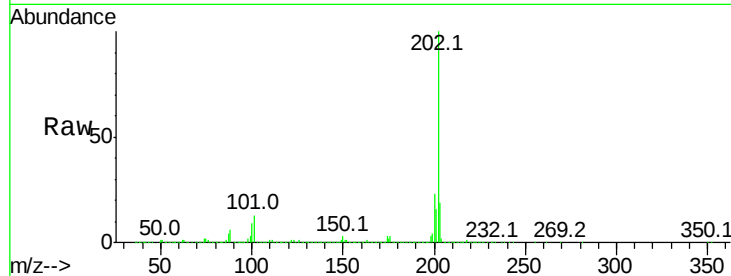
#74
 Fluoranthene
 Concen: 104.34 ng
 RT: 12.53 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: BF091603.D
 Acq: 14 Dec 2016 23:58

Instrument :
 BNA_F
 ClientSampleId :
 WC-2-0-5

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	29.5
203	19.2	0.0	37.8

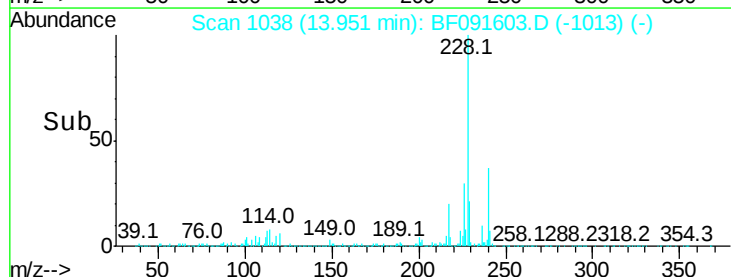
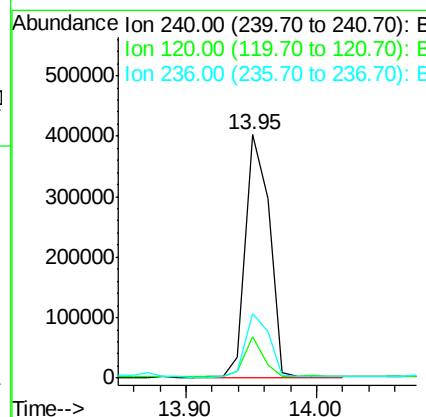
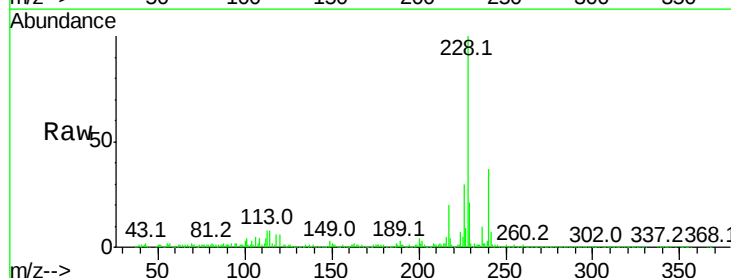
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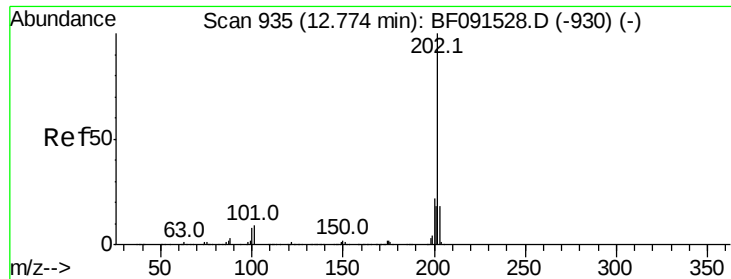
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF091603.D
 Acq: 14 Dec 2016 23:58

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.9	12.1	18.1
236	26.6	21.0	31.6





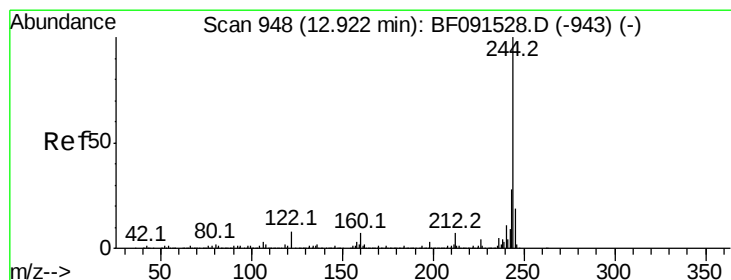
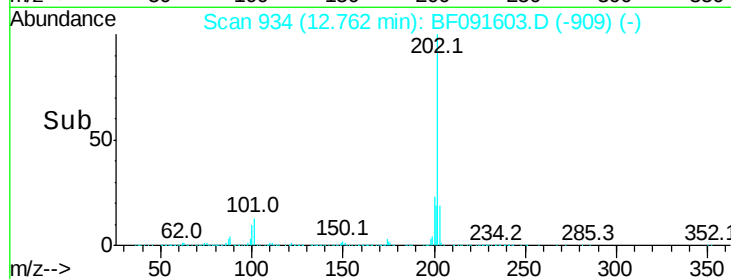
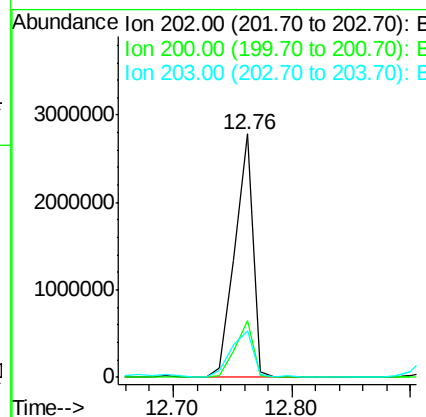
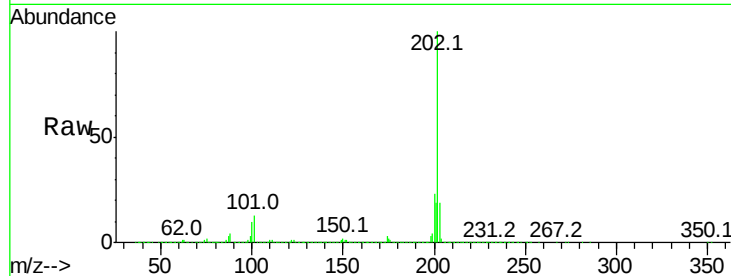
#77
Pvrene
Concen: 72.27 ng
RT: 12.76 min Scan# 934
Delta R.T. -0.01 min
Lab File: BF091603.D
Acq: 14 Dec 2016 23:58

Instrument :
BNA_F
ClientSampleId :
WC-2-0-5

Tot Ion	Ratio	Lower	Upper
202	100		
200	23.1	17.6	26.4
203	19.0	14.0	21.0

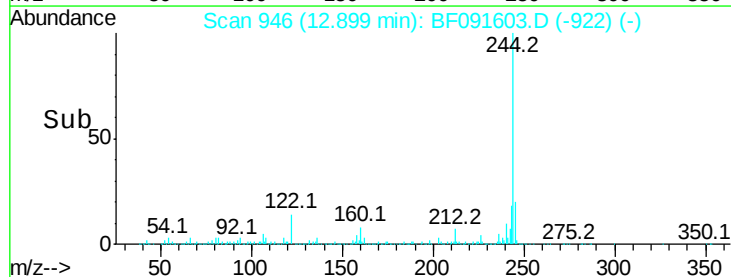
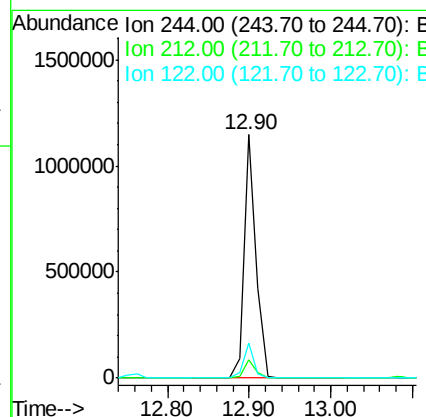
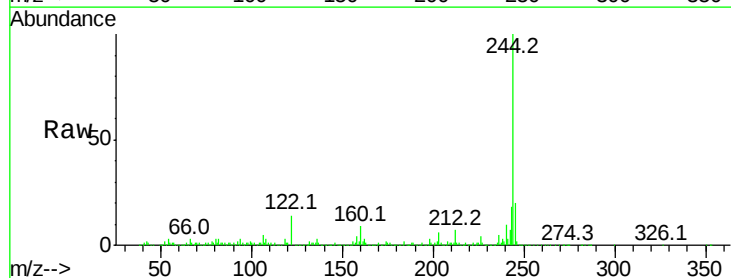
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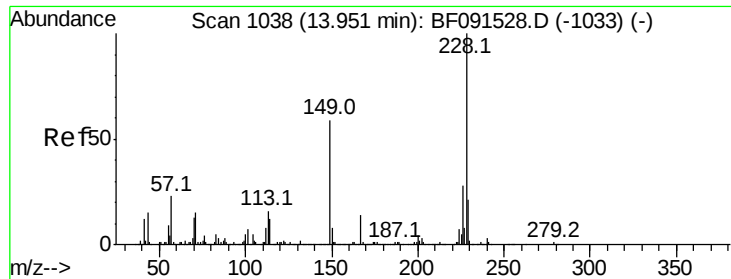
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#78
Terphenyl-d14
Concen: 50.97 ng
RT: 12.90 min Scan# 946
Delta R.T. -0.02 min
Lab File: BF091603.D
Acq: 14 Dec 2016 23:58

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.5	9.7
122	14.2	9.5	14.3





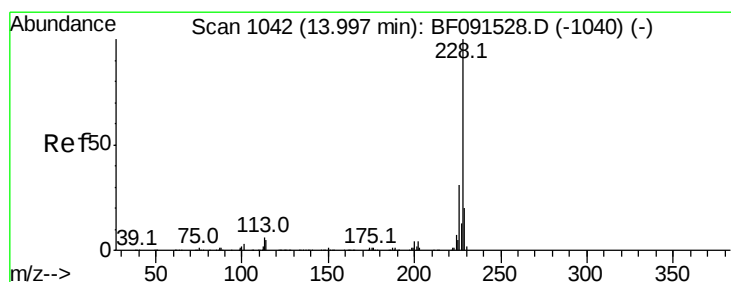
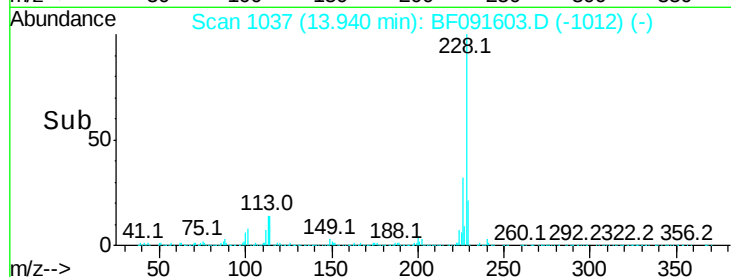
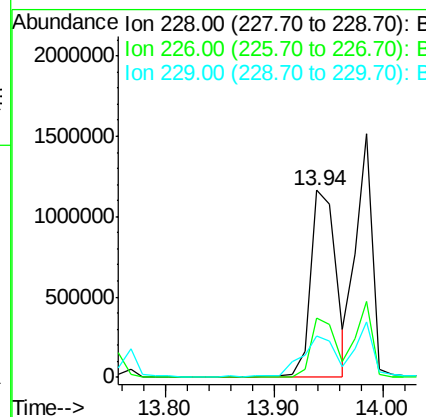
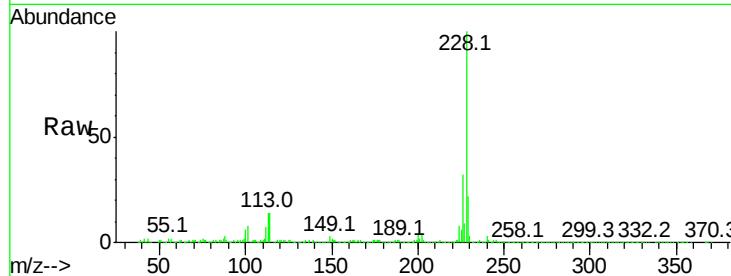
#80
Benzo(a)anthracene
Concen: 62.71 ng
RT: 13.94 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF091603.D
Acq: 14 Dec 2016 23:58

Instrument :
BNA_F
ClientSampleId :
WC-2-0-5

Tot Ion:228 Resp: 1868240
Ion Ratio Lower Upper
228 100
226 32.0 22.5 33.7
229 22.1 16.4 24.6

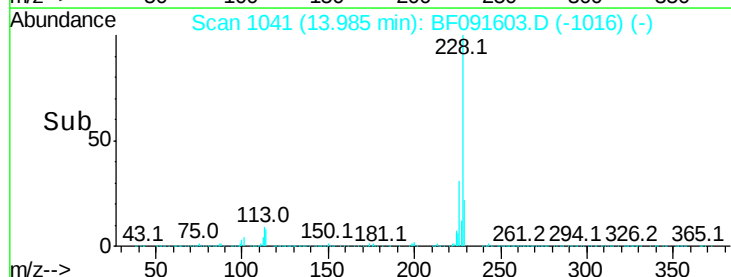
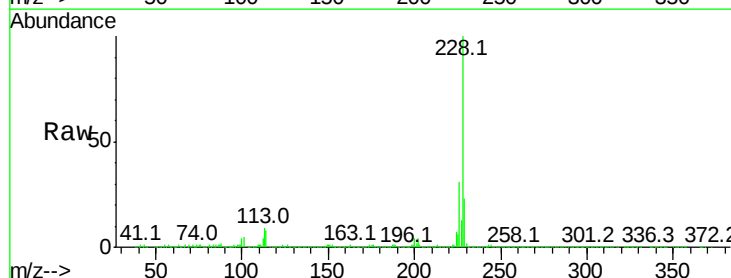
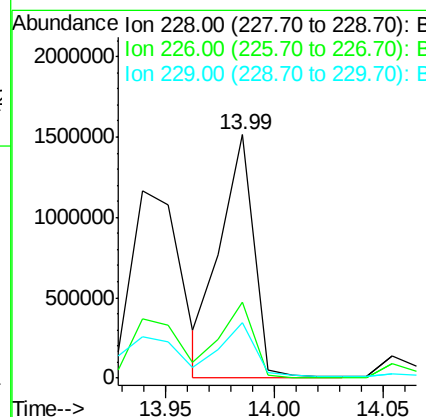
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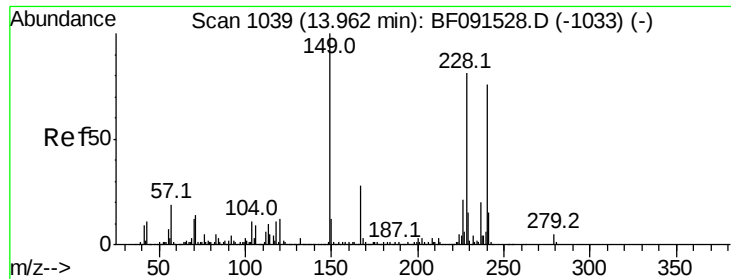
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#82
Chrysene
Concen: 51.40 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF091603.D
Acq: 14 Dec 2016 23:58

Tgt Ion:228 Resp: 1602205
Ion Ratio Lower Upper
228 100
226 31.0 25.0 37.4
229 22.7 16.0 24.0





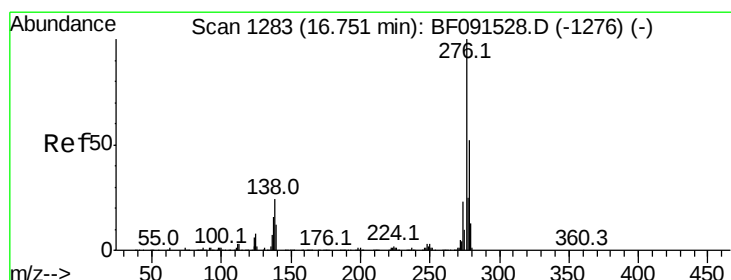
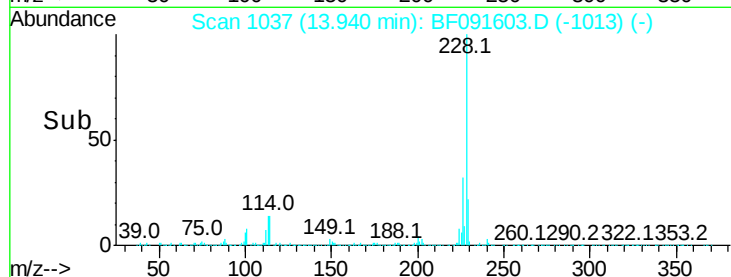
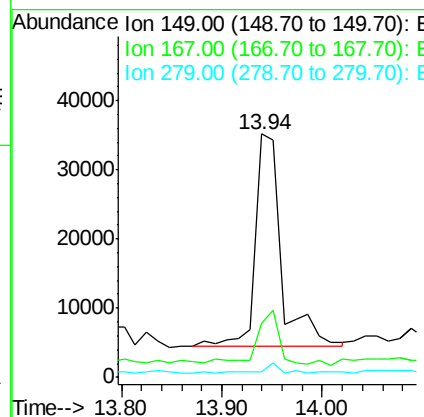
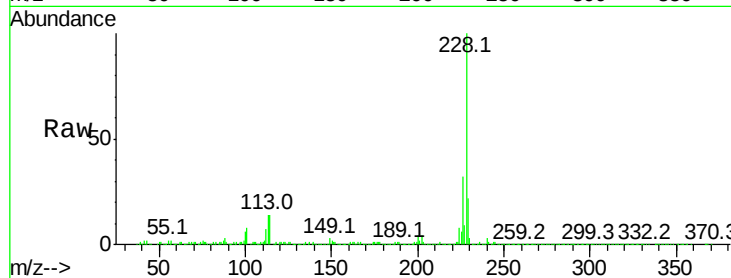
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.70 ng
 RT: 13.94 min Scan# 1037
 Delta R.T. -0.02 min
 Lab File: BF091603.D
 Acq: 14 Dec 2016 23:58

Instrument :
 BNA_F
 ClientSampleId :
 WC-2-0-5

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	22.4	19.6	29.4	
279	2.5	1.9	2.9	

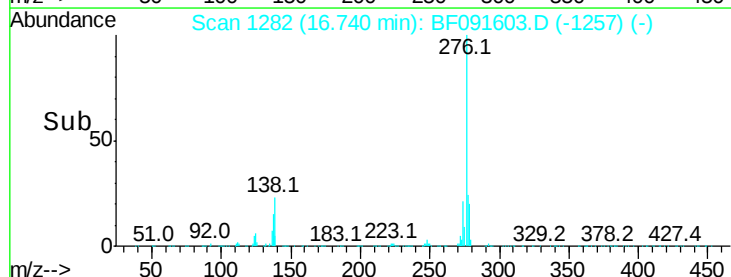
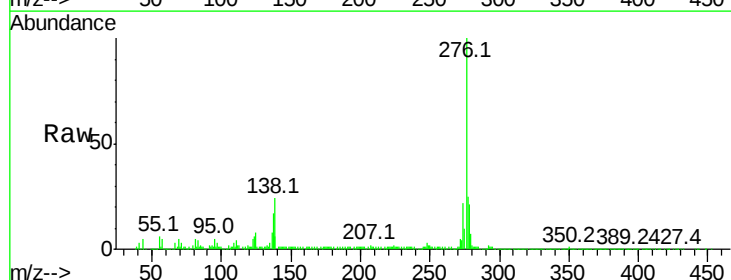
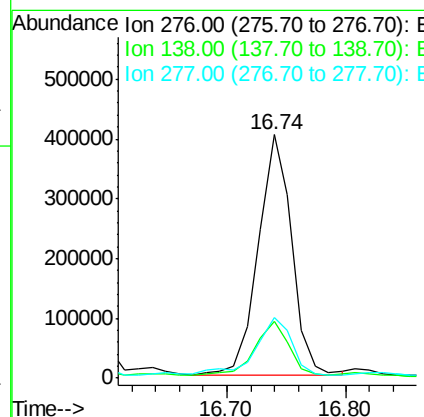
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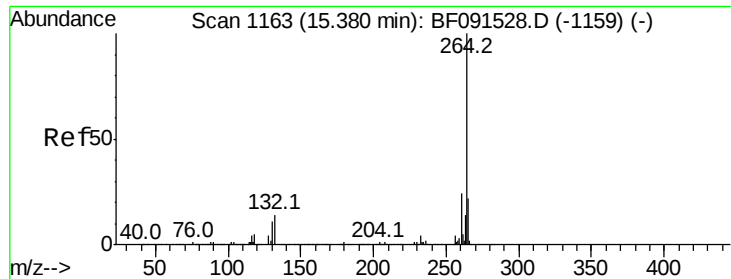
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 28.08 ng
 RT: 16.74 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: BF091603.D
 Acq: 14 Dec 2016 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	23.3	21.0	31.4	
277	27.8	20.2	30.2	





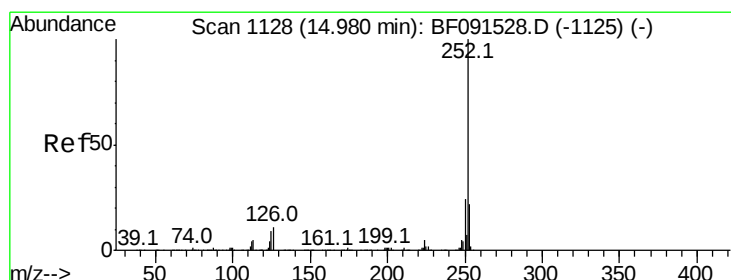
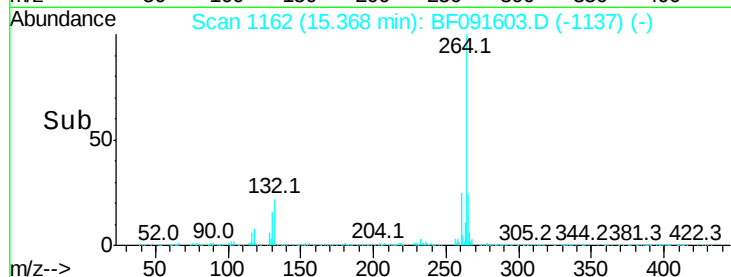
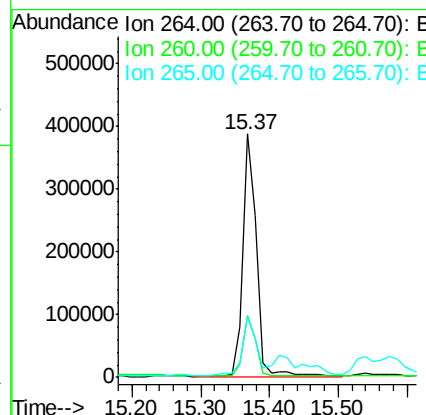
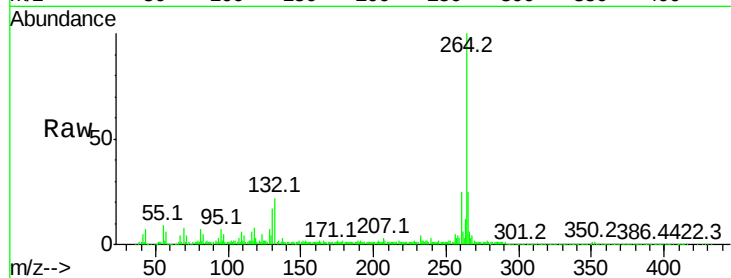
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BF091603.D
Acq: 14 Dec 2016 23:58

Instrument :
BNA_F
ClientSampled :
WC-2-0-5

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	18.8	28.2
265	25.0	17.0	25.6

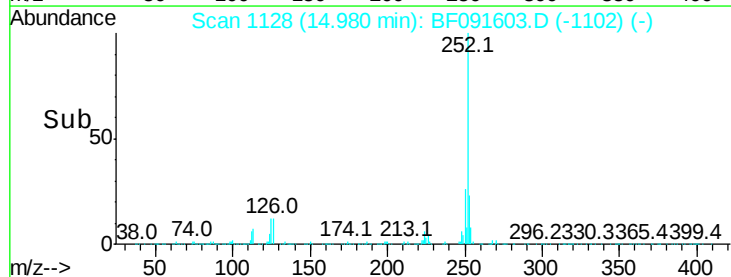
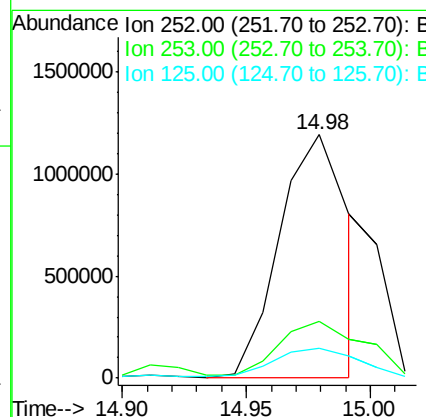
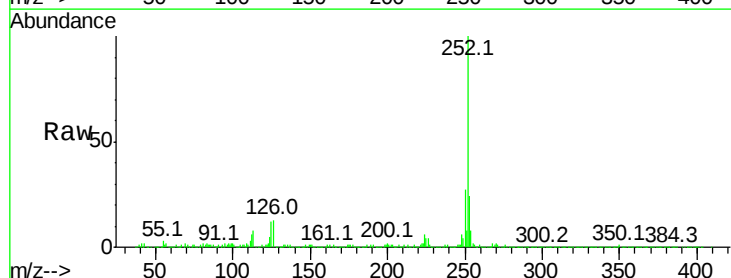
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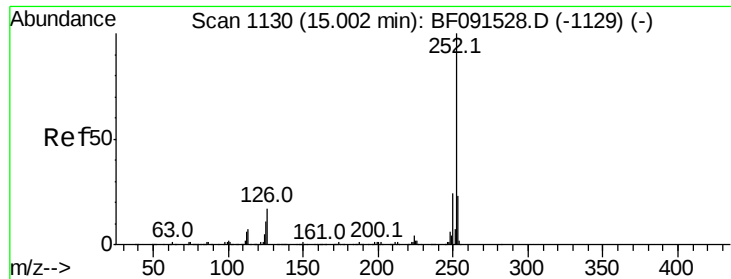
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#87
Benzo(b)fluoranthene
Concen: 70.93 ng m
RT: 14.98 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BF091603.D
Acq: 14 Dec 2016 23:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	12.3	8.6	13.0





#88

Benzo(k)fluoranthene

Concen: 17.53 ng m

RT: 14.99 min Scan# 1129

Delta R.T. -0.01 min

Lab File: BF091603.D

Acq: 14 Dec 2016 23:58

Instrument :

BNA_F

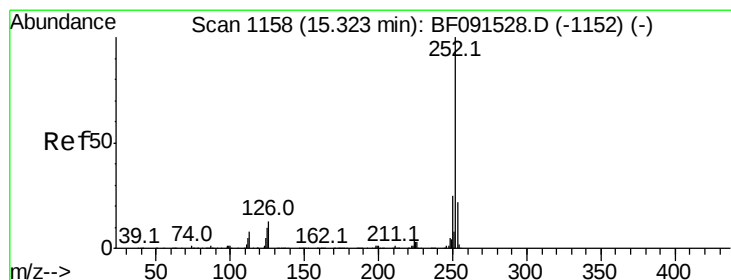
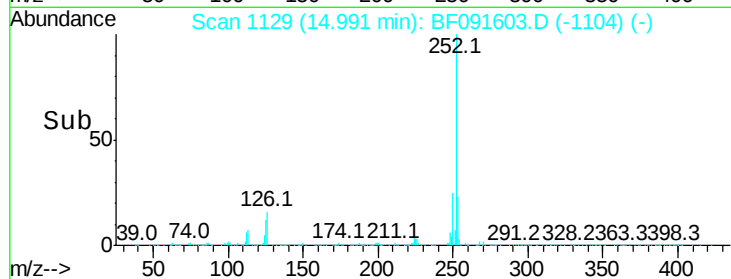
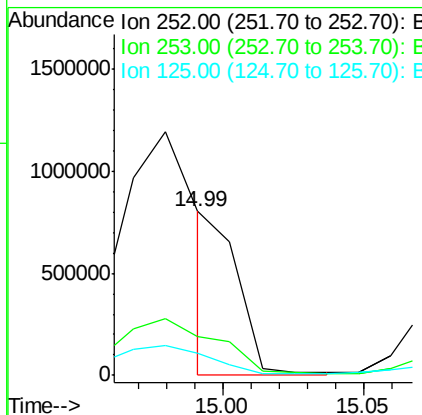
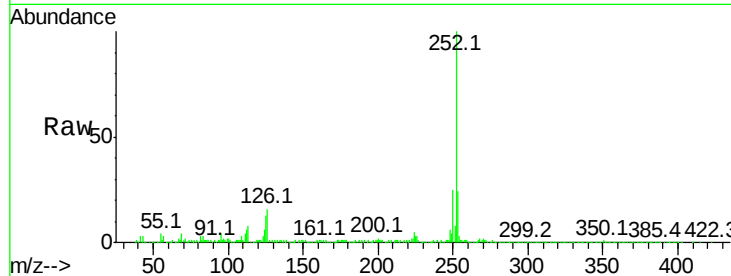
ClientSampleId :

WC-2-0-5

Tot Ion:	252	Resp:	493519
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.8	26.8
125	13.2	9.6	14.4

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#89

Benzo(a)pyrene

Concen: 45.25 ng

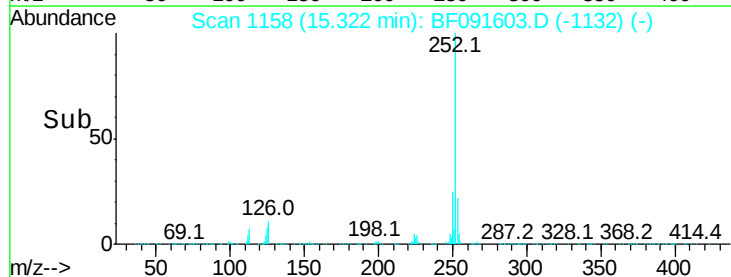
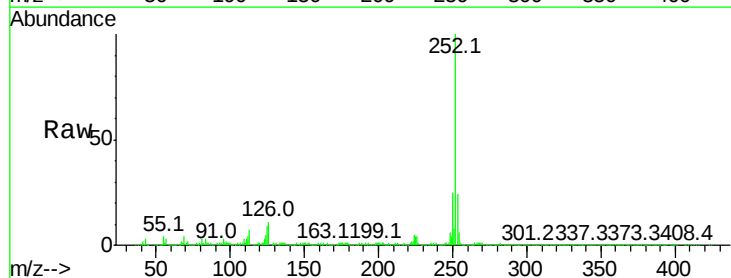
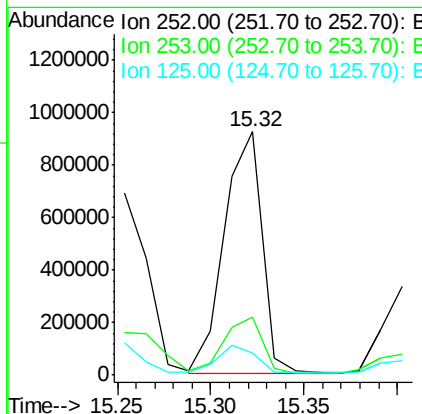
RT: 15.32 min Scan# 1158

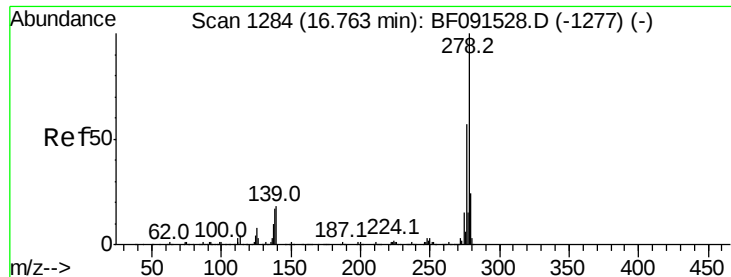
Delta R.T. -0.00 min

Lab File: BF091603.D

Acq: 14 Dec 2016 23:58

Tgt Ion:	252	Resp:	1305265
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.2	27.4
125	9.1	10.4	15.6#





#90

Dibenzo(a,h)anthracene

Concen: 8.40 ng/mL

RT: 16.75 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF091603.D

Acq: 14 Dec 2016 23:58

Instrument :

BNA_F

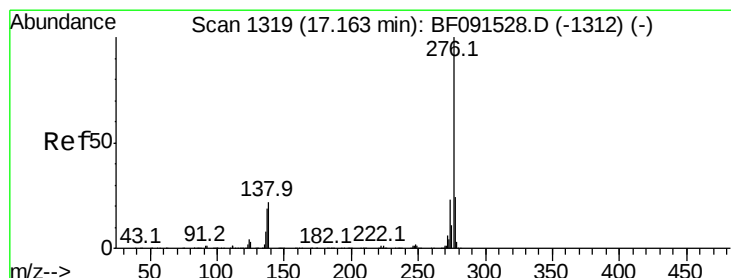
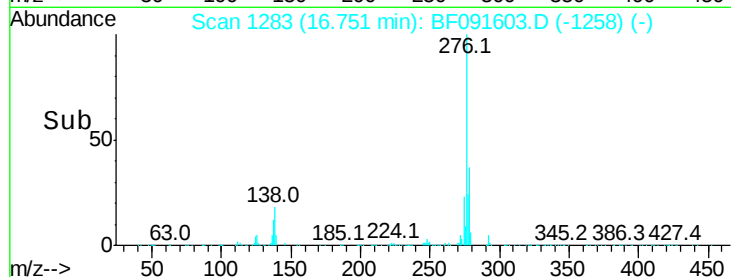
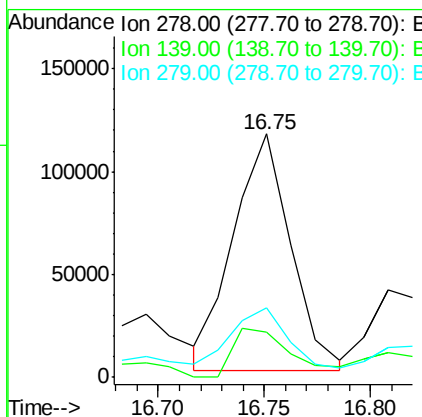
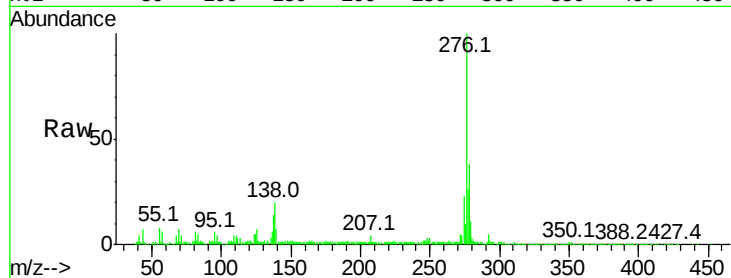
ClientSampleId :

WC-2-0-5

Tot Ion:	278	Resp:	217167
Ion Ratio	Lower	Upper	
278	100		
139	18.6	15.1	22.7
279	28.7	19.0	28.6

Manual Integrations
APPROVED

sohil
12/15/2016 5:40:59 PM



#91

Benzo(g,h,i)perylene

Concen: 26.25 ng/mL

RT: 17.15 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF091603.D

Acq: 14 Dec 2016 23:58

Tgt Ion:	276	Resp:	690454
Ion Ratio	Lower	Upper	
276	100		
277	24.7	19.0	28.4
138	25.0	15.4	23.0

