

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
 Data File : BF091601.D
 Acq On : 14 Dec 2016 23:03
 Operator : UM/SJ
 Sample : H6006-19
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-9-5-10

Manual Integrations
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Quant Time: Dec 15 02:14:18 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	304724	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	1099906	20.00	ng	-0.02
38) Acenaphthene-d10	9.84	164	569693	20.00	ng	-0.02
63) Phenanthrene-d10	11.31	188	757079	20.00	ng	-0.02
75) Chrysene-d12	13.95	240	583638	20.00	ng	-0.01
86) Perylene-d12	15.37	264	594630	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	2012903	111.29	ng	-0.01
7) Phenol-d6	6.44	99	2474037	109.72	ng	-0.01
23) Nitrobenzene-d5	7.36	82	1496307	75.93	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	485559	102.62	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	2348806	71.24	ng	-0.02
78) Terphenyl-d14	12.90	244	1591612	61.88	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.45	94	194066	7.36	ng	76
32) Benzoic acid	7.79	122	254	4.92	ng	92
49) Dimethylphthalate	9.55	163	389193	10.79	ng	# 98
51) Acenaphthene	9.87	154	182728	5.40	ng	99
54) Dibenzofuran	10.04	168	136016	3.25	ng	# 88
70) Phenanthrene	11.34	178	2061373	54.98	ng	99
71) Anthracene	11.39	178	584771	14.46	ng	99
72) Carbazole	11.55	167	217069	6.12	ng	96
74) Fluoranthene	12.53	202	2382414	60.69	ng	98
77) Pyrene	12.75	202	1981412	42.79	ng	97
80) Benzo(a)anthracene	13.94	228	1210531	35.71	ng	99
82) Chrysene	13.97	228	807756	22.78	ng	97
85) Indeno(1,2,3-cd)pyrene	16.73	276	481226	15.08	ng	96
87) Benzo(b)fluoranthene	14.97	252	1225863m	34.58	ng	
88) Benzo(k)fluoranthene	14.99	252	453411m	14.55	ng	
89) Benzo(a)pyrene	15.31	252	870505	27.26	ng	97
90) Dibenzo(a,h)anthracene	16.74	278	131134m	4.58	ng	
91) Benzo(g,h,i)perylene	17.14	276	437066	15.01	ng	# 94

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

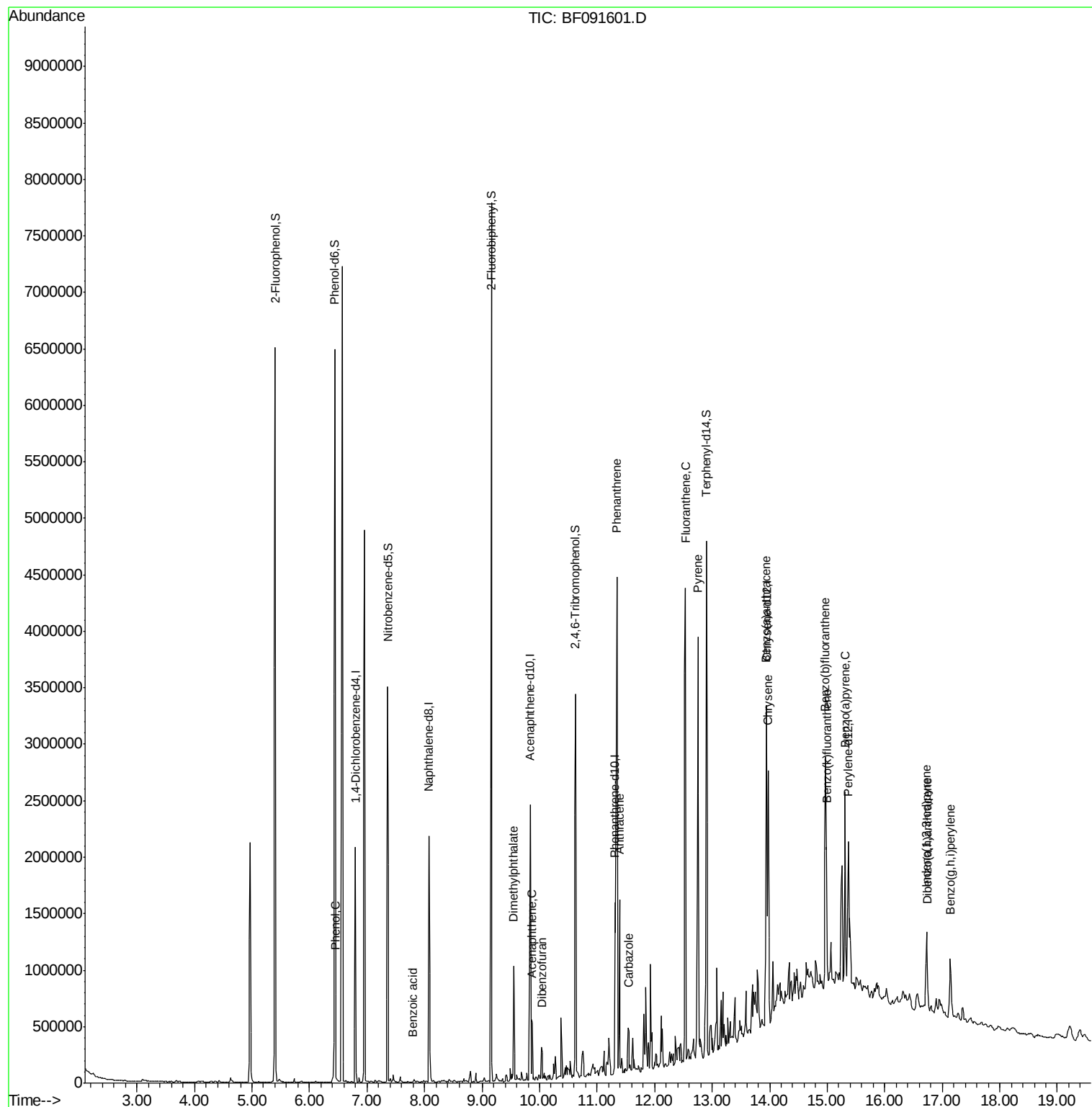
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091601.D
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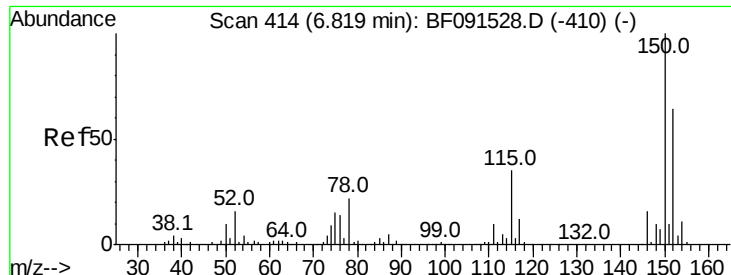
Instrument :
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Quant Time: Dec 15 02:14:18 2016
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#1

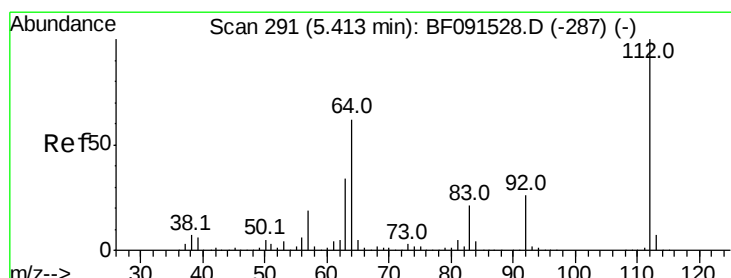
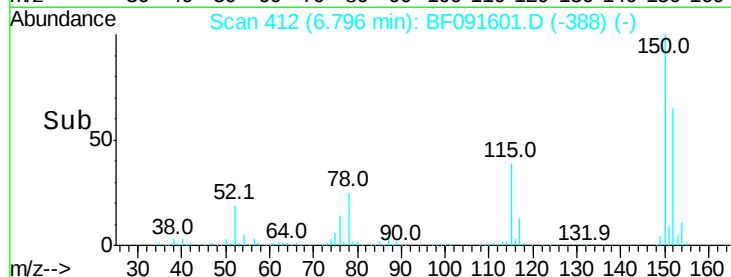
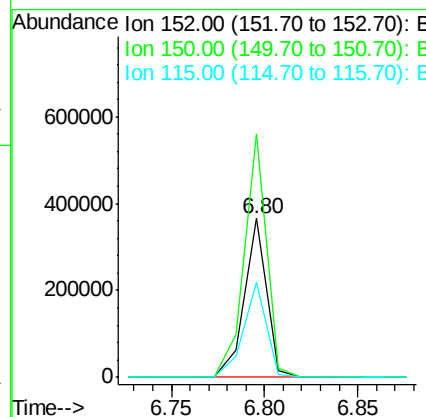
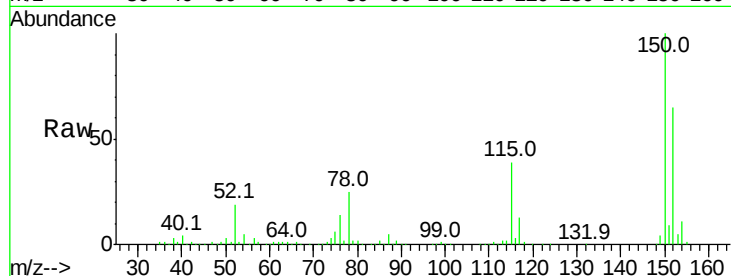
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.02 min
Lab File: BF091601.D
Acq: 14 Dec 2016 23:03

Instrument :
BNA_F
ClientSampleId :
WC-9-5-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	122.5	183.7
115	60.2	51.8	77.8

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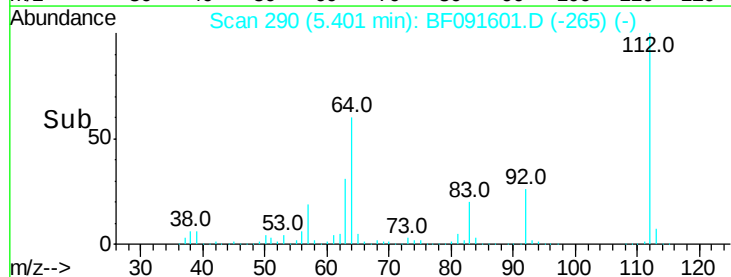
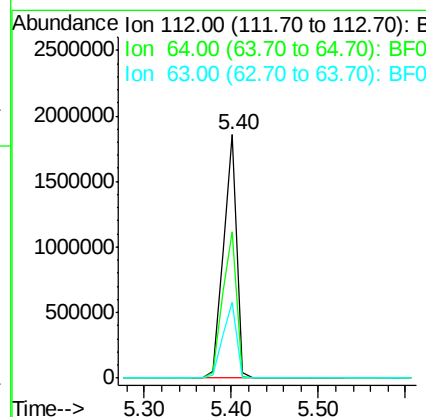
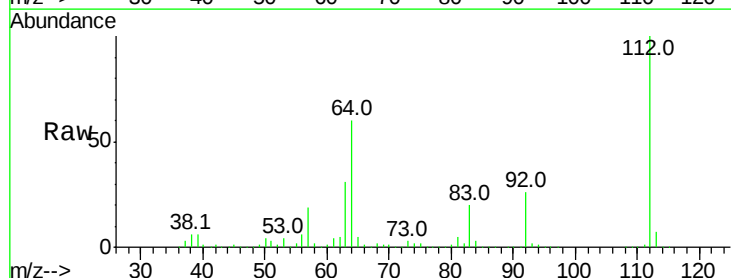
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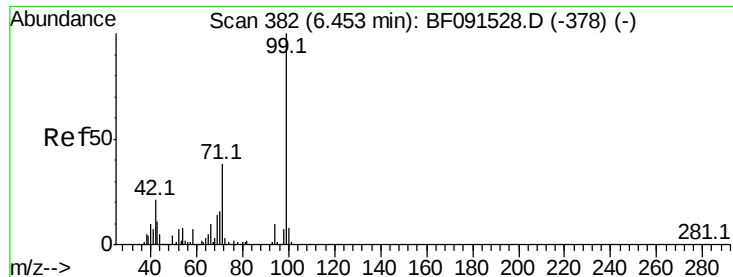


#5

2-Fluorophenol
Concen: 111.29 ng
RT: 5.40 min Scan# 290
Delta R.T. -0.01 min
Lab File: BF091601.D
Acq: 14 Dec 2016 23:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	61.5	92.3#
63	31.1	33.3	49.9#





#7

Phenol-d6

Concen: 109.72 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF091601.D

Acq: 14 Dec 2016 23:03

Instrument :

BNA_F

ClientSampleId :

WC-9-5-10

Tot Ion: 99 Resp: 2474037

Ion Ratio Lower Upper

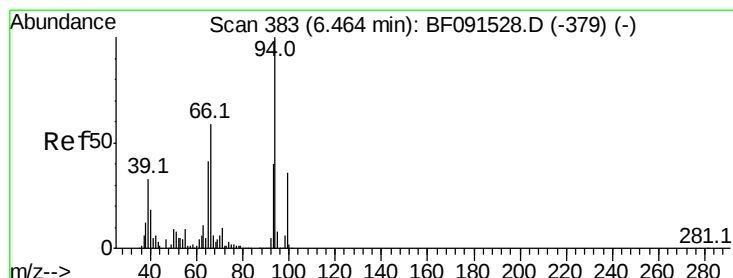
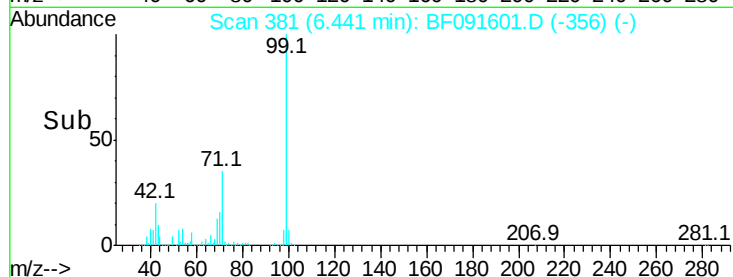
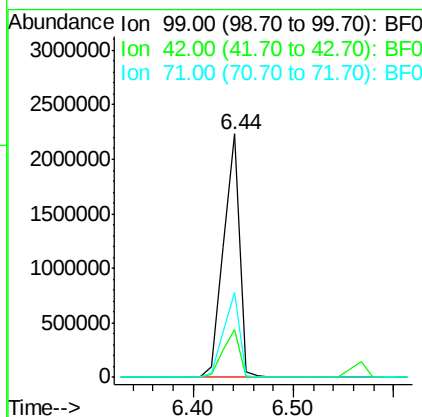
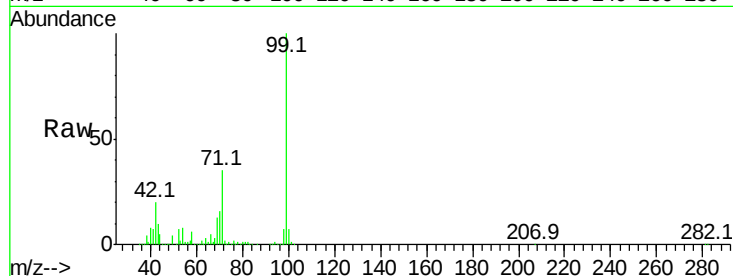
99 100

42 19.7 20.6 31.0#

71 35.0 29.9 44.9

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#10

Phenol

Concen: 7.36 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.01 min

Lab File: BF091601.D

Acq: 14 Dec 2016 23:03

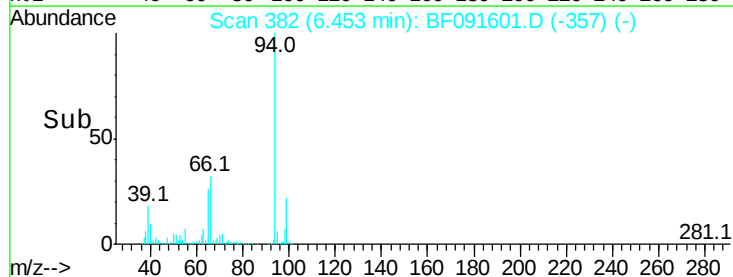
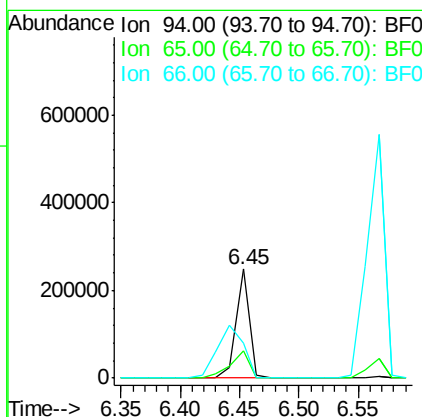
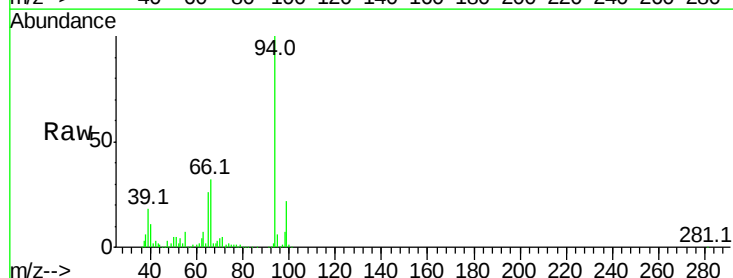
Tgt Ion: 94 Resp: 194066

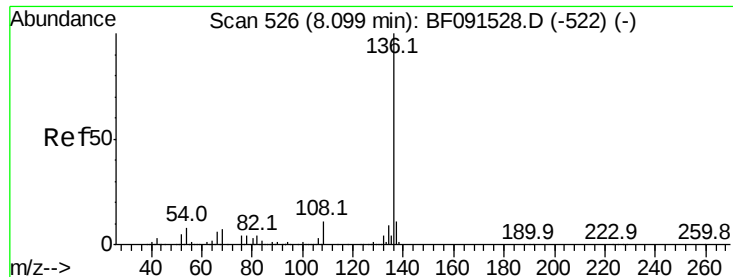
Ion Ratio Lower Upper

94 100

65 25.6 16.9 56.9

66 31.5 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: BF091601.D

Acq: 14 Dec 2016 23:03

Instrument :

BNA_F

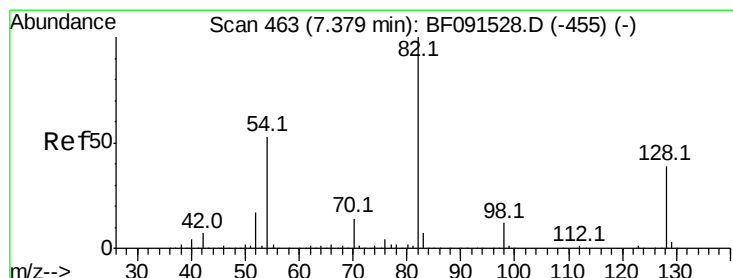
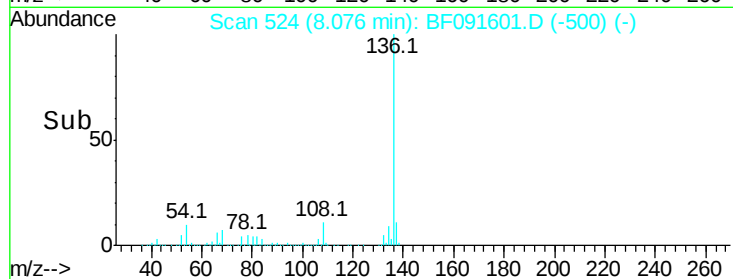
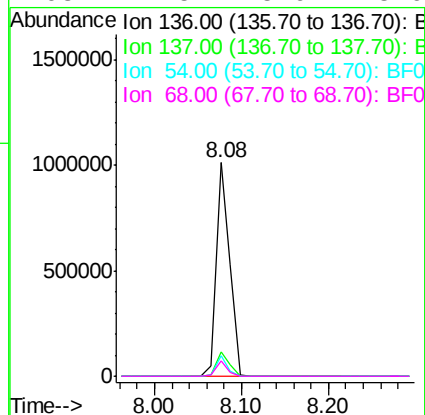
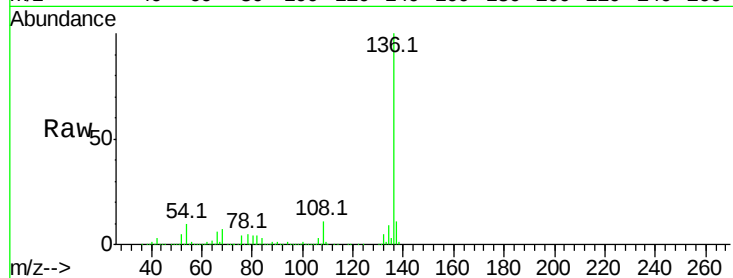
ClientSampleId :

WC-9-5-10

Tot Ion:	136	Resp:	1099906
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	9.9	9.1	13.7
68	7.5	5.9	8.9

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#23

Nitrobenzene-d5

Concen: 75.93 ng

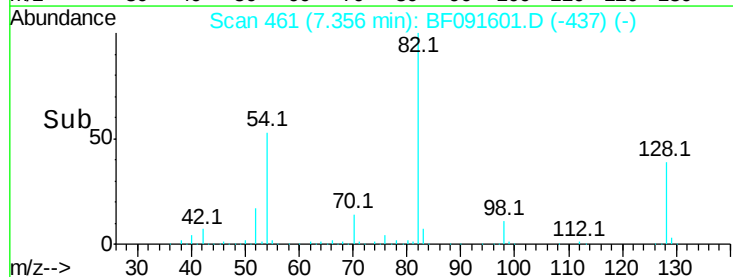
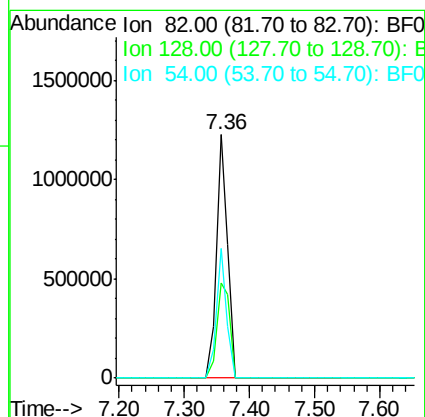
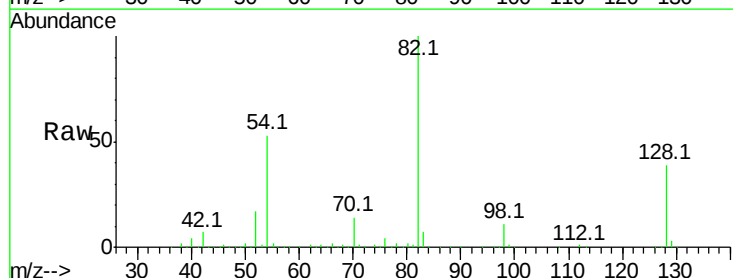
RT: 7.36 min Scan# 461

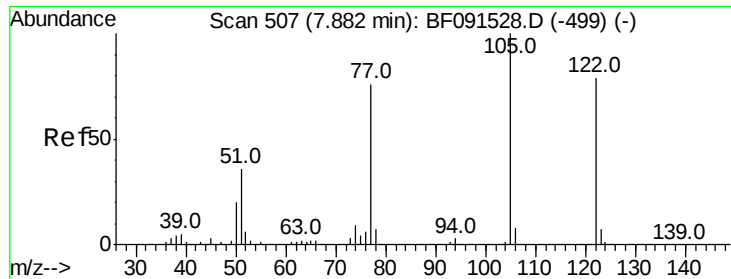
Delta R.T. -0.02 min

Lab File: BF091601.D

Acq: 14 Dec 2016 23:03

Tgt Ion:	82	Resp:	1496307
Ion	Ratio	Lower	Upper
82	100		
128	39.1	31.8	47.6
54	53.0	49.1	73.7





#32

Benzoic acid

Concen: 4.92 ng

RT: 7.79 min Scan# 499

Delta R.T. -0.09 min

Lab File: BF091601.D

Acq: 14 Dec 2016 23:03

Instrument :

BNA_F

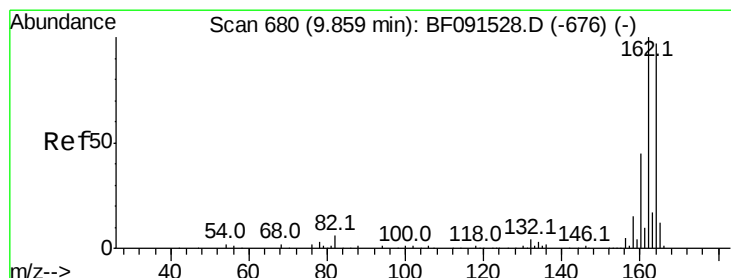
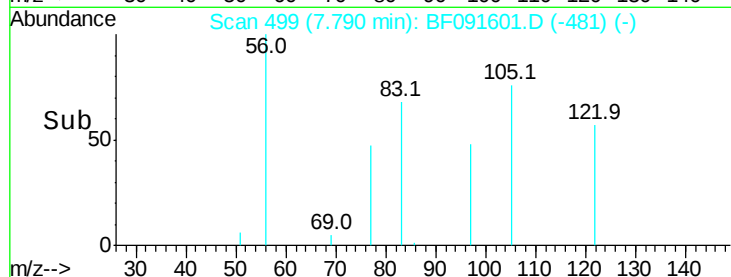
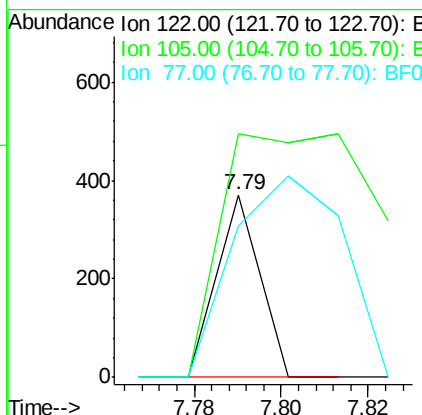
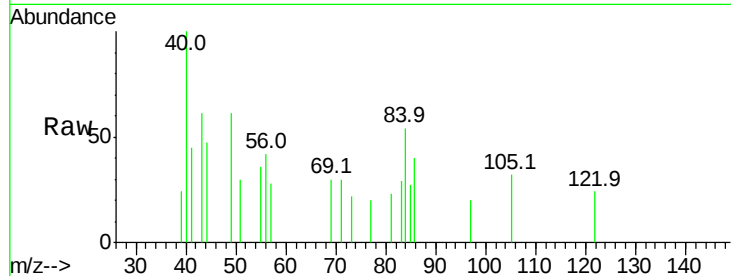
ClientSampleId :

WC-9-5-10

Tot Ion:	122	Resp:	254
Ion Ratio	Lower	Upper	
122	100		
105	133.2	113.0	153.0
77	83.0	82.0	122.0

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#38

Acenaphthene-d10

Concen: 20.00 ng

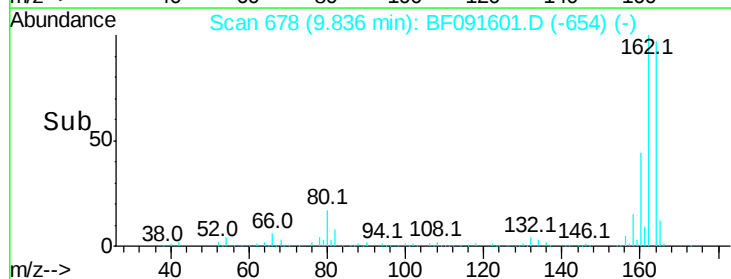
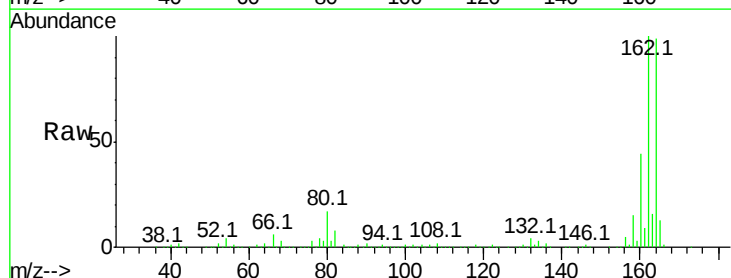
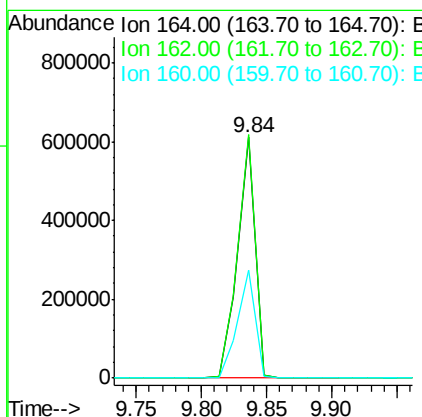
RT: 9.84 min Scan# 678

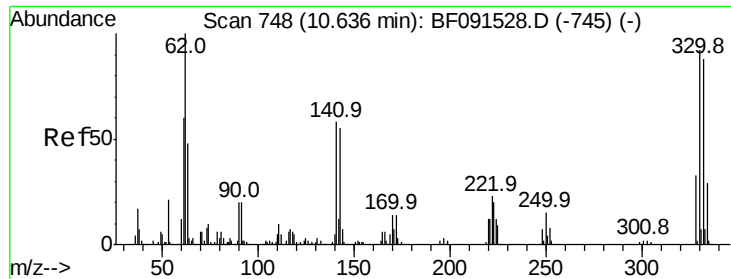
Delta R.T. -0.02 min

Lab File: BF091601.D

Acq: 14 Dec 2016 23:03

Tgt Ion:	164	Resp:	569693
Ion Ratio	Lower	Upper	
164	100		
162	101.2	82.6	124.0
160	44.8	36.7	55.1





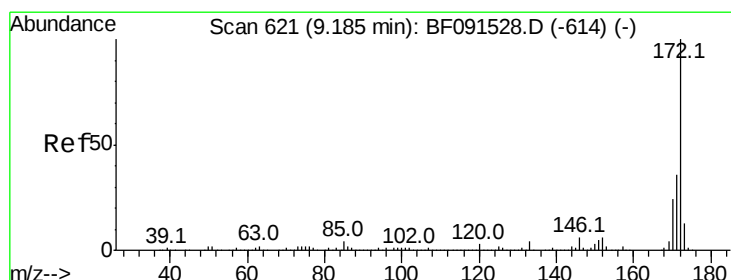
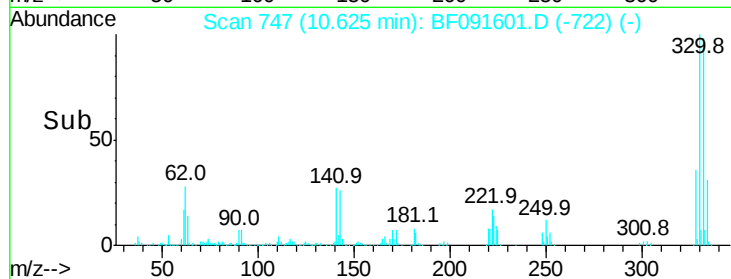
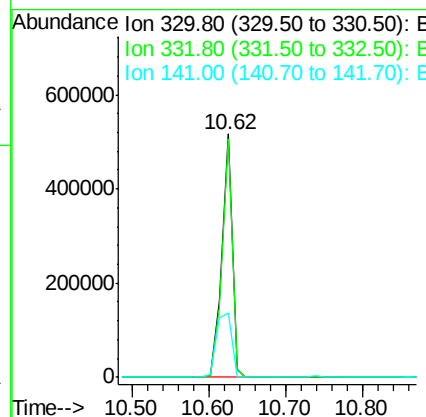
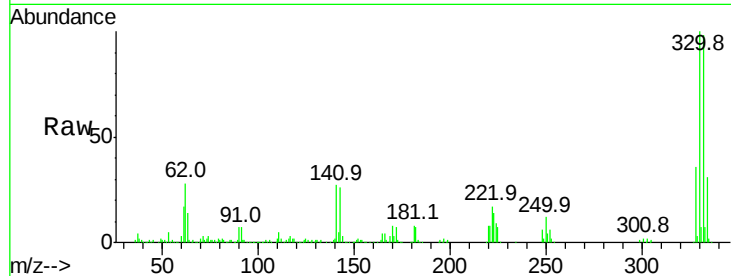
#41
 2,4,6-Tribromophenol
 Concen: 102.62 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF091601.D
 Acq: 14 Dec 2016 23:03

Instrument :
 BNA_F
 ClientSampleId :
 WC-9-5-10

Tot Ion	Ratio	Resp	Lower	Upper
330	100	485559		
332	96.5	76.2	114.4	
141	38.7	33.6	50.4	

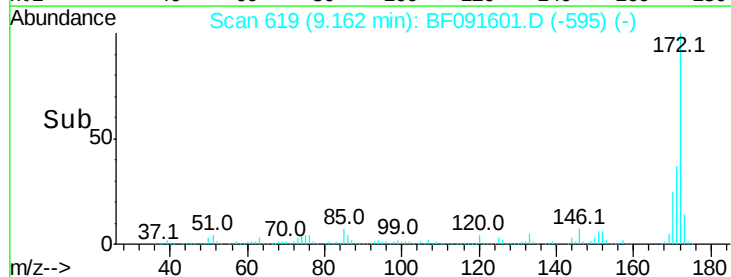
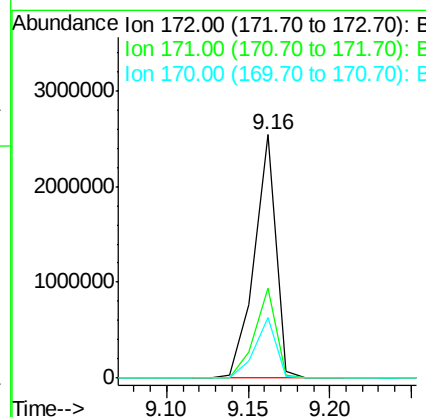
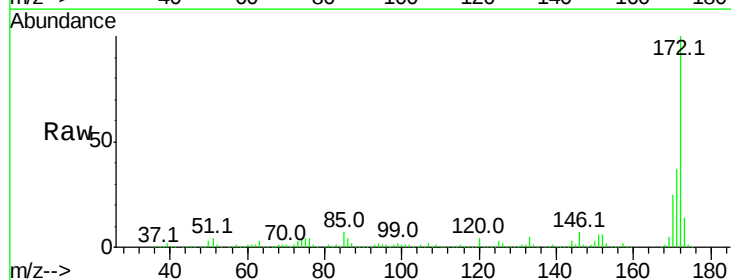
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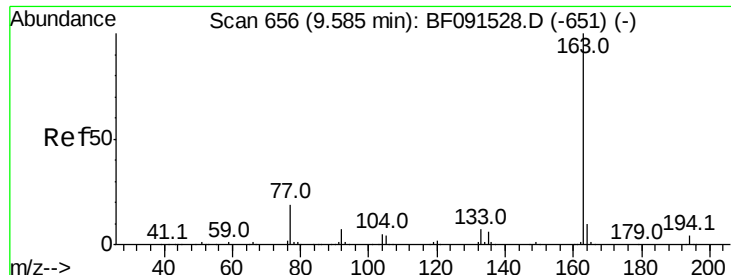
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#44
 2-Fluorobiphenyl
 Concen: 71.24 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.02 min
 Lab File: BF091601.D
 Acq: 14 Dec 2016 23:03

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2348806		
171	36.7	29.4	44.0	
170	25.1	19.7	29.5	





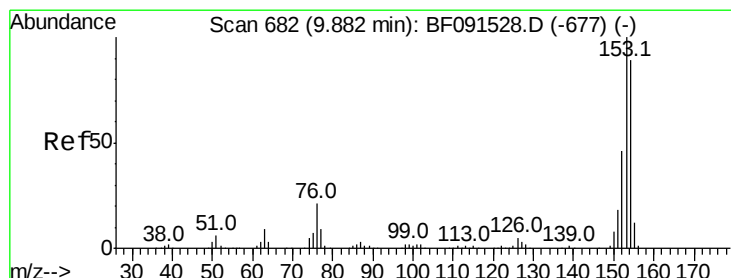
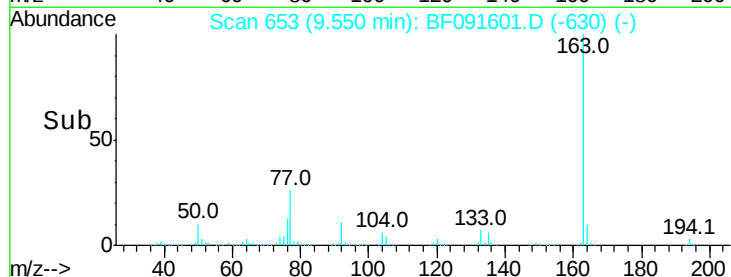
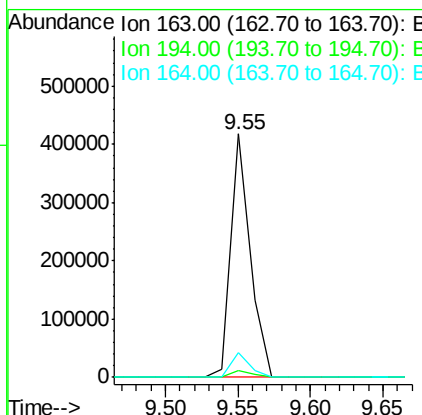
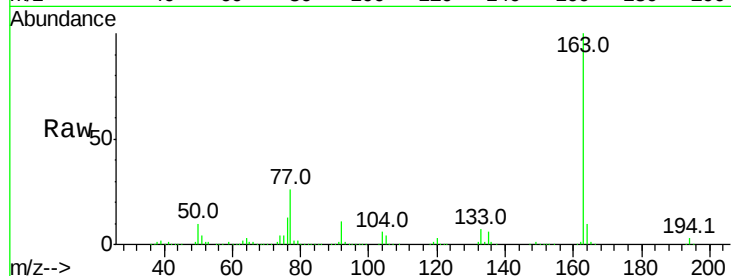
#49
Dimethylphthalate
Concen: 10.79 ng
RT: 9.55 min Scan# 653
Delta R.T. -0.03 min
Lab File: BF091601.D
Acq: 14 Dec 2016 23:03

Instrument :
BNA_F
ClientSampled :
WC-9-5-10

Tot Ion	Ratio	Resp	Lower	Upper
163	100	389193		
194	3.0		3.0	4.4#
164	10.4		7.8	11.8

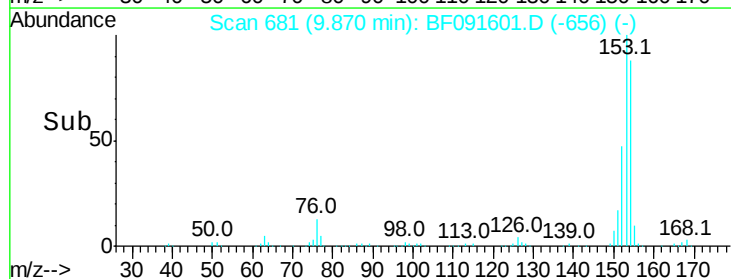
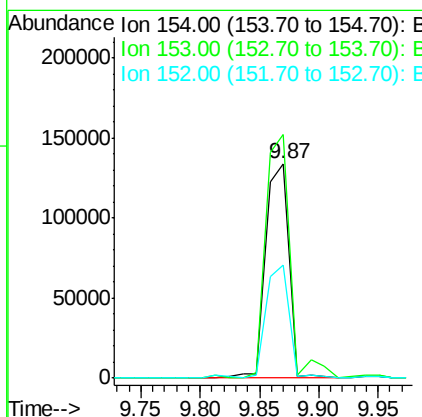
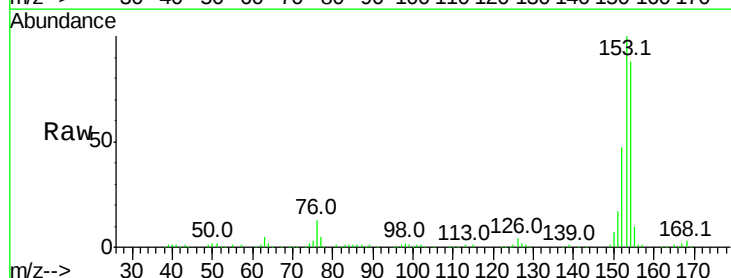
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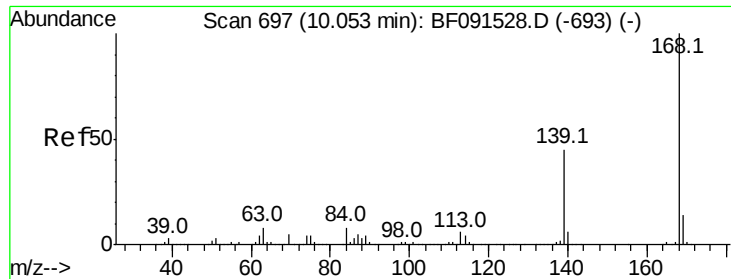
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#51
Acenaphthene
Concen: 5.40 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.01 min
Lab File: BF091601.D
Acq: 14 Dec 2016 23:03

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	182728		
153	113.4		91.0	136.6
152	52.9		44.2	66.2





#54

Dibenzofuran

Concen: 3.25 ng

RT: 10.04 min Scan# 696

Delta R.T. -0.01 min

Lab File: BF091601.D

Acq: 14 Dec 2016 23:03

Instrument :

BNA_F

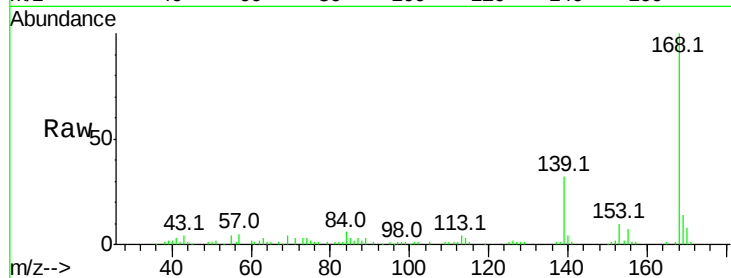
ClientSampleId :

WC-9-5-10

Tot Ion	Ratio	Resp	Lower	Upper
168	100	136016		
139	32.1	33.4	50.2#	
169	13.7	11.1	16.7	

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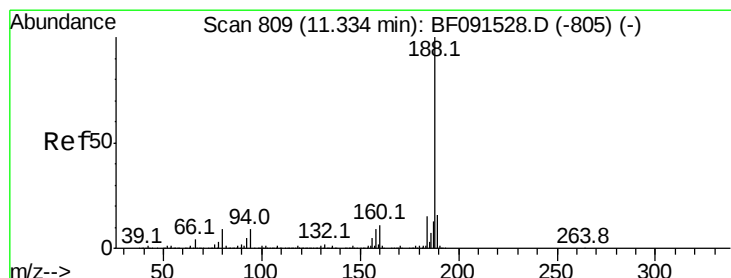
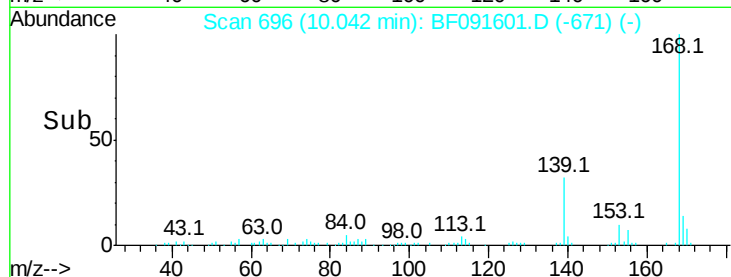
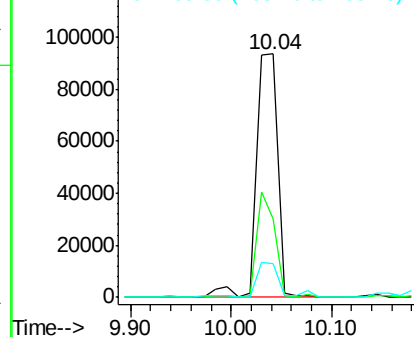


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

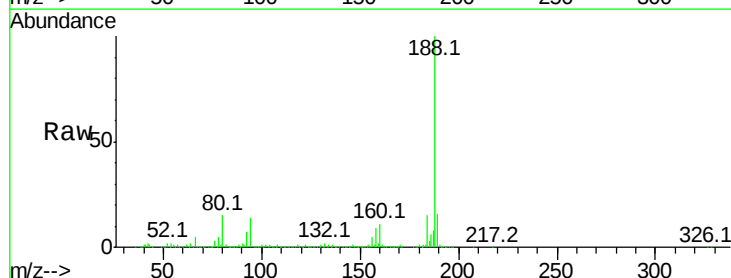
RT: 11.31 min Scan# 807

Delta R.T. -0.02 min

Lab File: BF091601.D

Acq: 14 Dec 2016 23:03

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	757079		
94	13.5	9.2	13.8	
80	15.3	10.5	15.7	

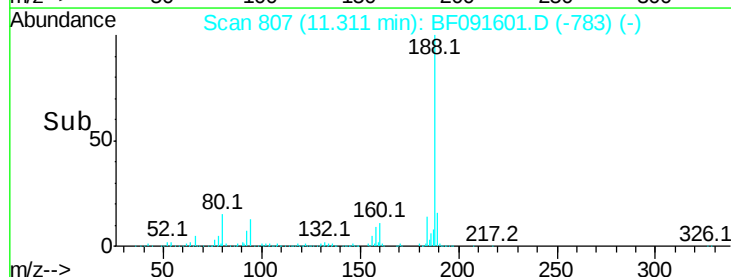
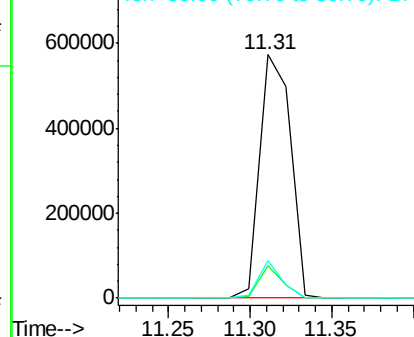


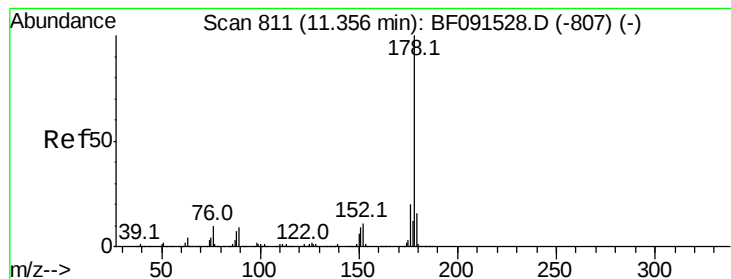
Abundance

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: 54.98 ng

RT: 11.34 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF091601.D

Acq: 14 Dec 2016 23:03

Instrument :

BNA_F

ClientSampled :

WC-9-5-10

Tot Ion:178 Resp: 2061373

Ion Ratio Lower Upper

178 100

176 20.2 15.9 23.9

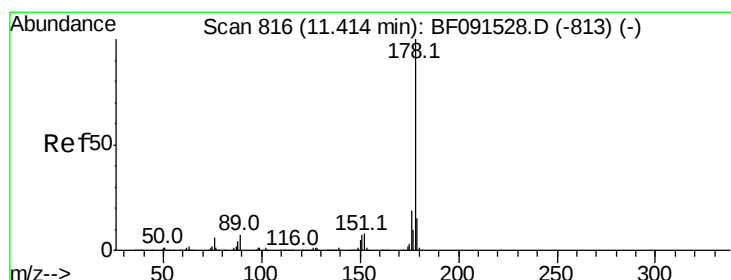
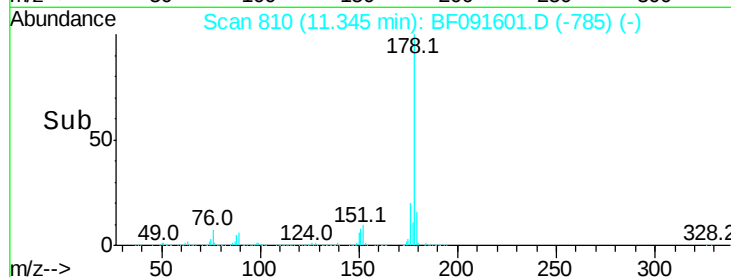
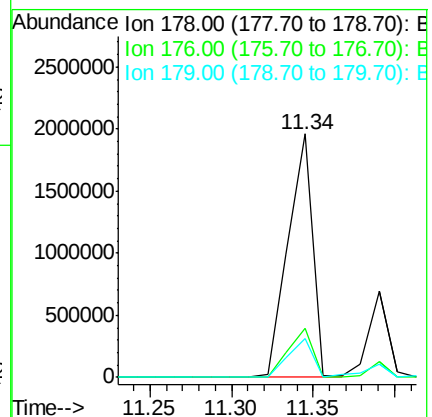
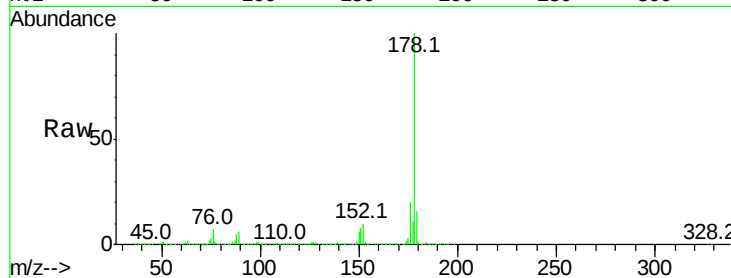
179 16.1 12.6 18.8

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#71

Anthracene

Concen: 14.46 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.02 min

Lab File: BF091601.D

Acq: 14 Dec 2016 23:03

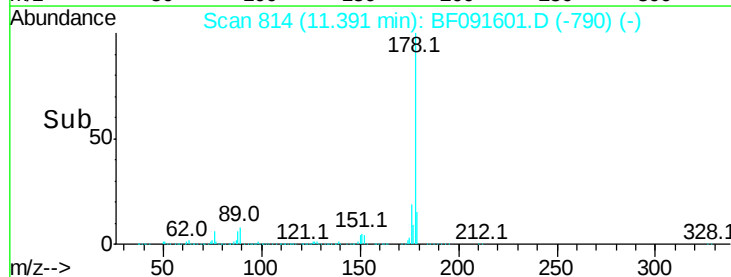
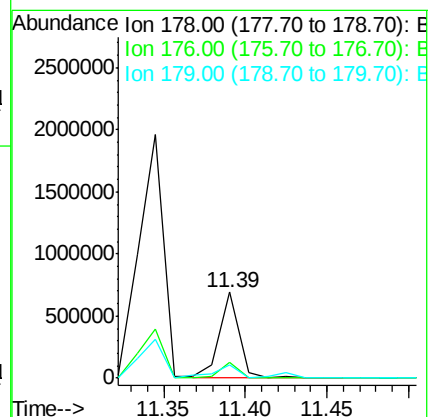
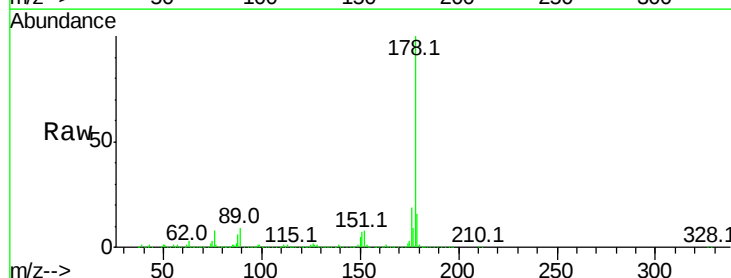
Tgt Ion:178 Resp: 584771

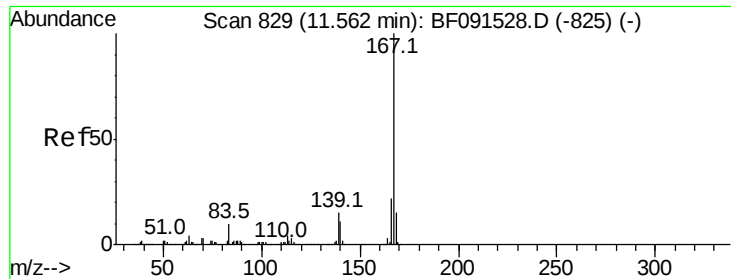
Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.6

179 15.5 12.7 19.1





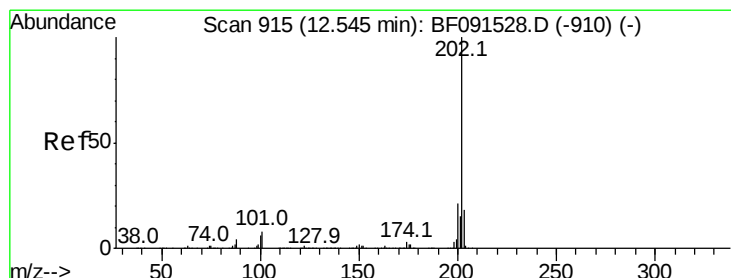
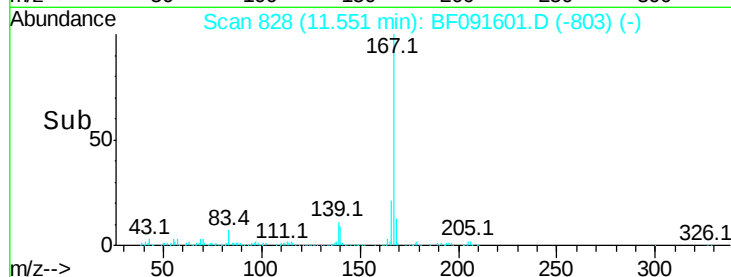
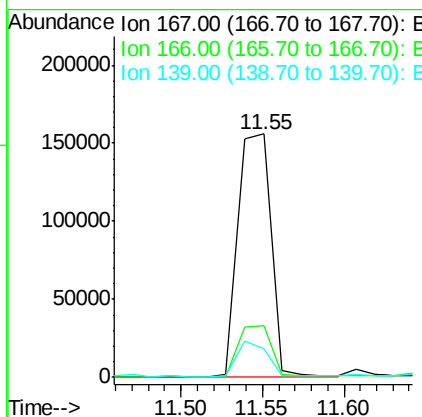
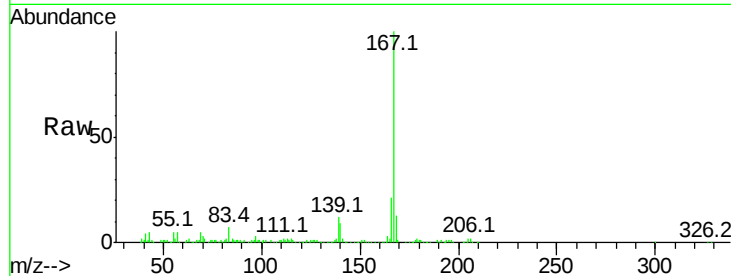
#72
 Carbazole
 Concen: 6.12 ng
 RT: 11.55 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: BF091601.D
 Acq: 14 Dec 2016 23:03

Instrument :
 BNA_F
 ClientSampleId :
 WC-9-5-10

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.3	18.1	27.1
139	11.5	11.5	17.3

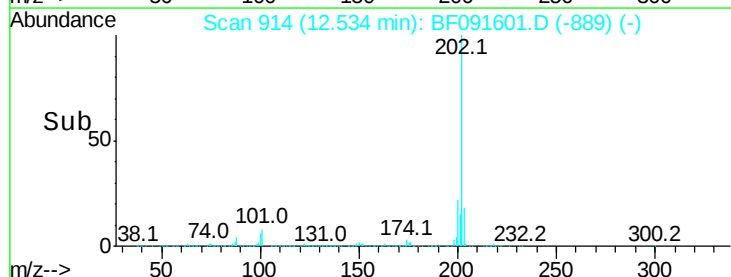
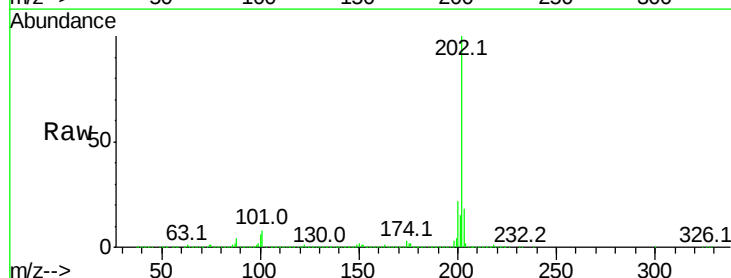
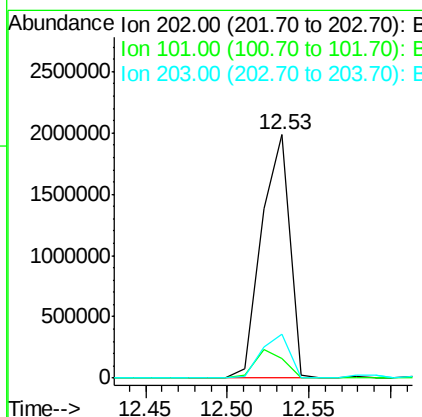
Manual Integrations
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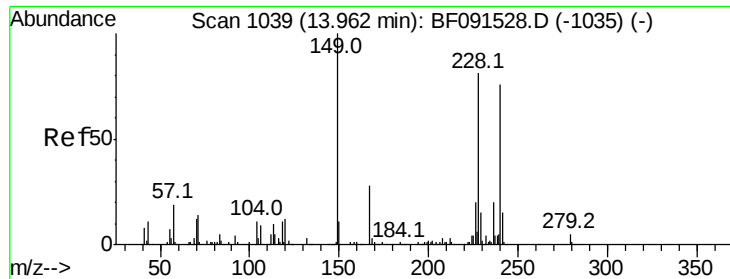
sohil
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#74
 Fluoranthene
 Concen: 60.69 ng
 RT: 12.53 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: BF091601.D
 Acq: 14 Dec 2016 23:03

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	29.5
203	18.1	0.0	37.8





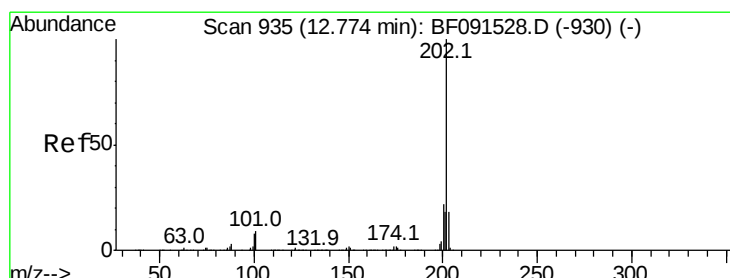
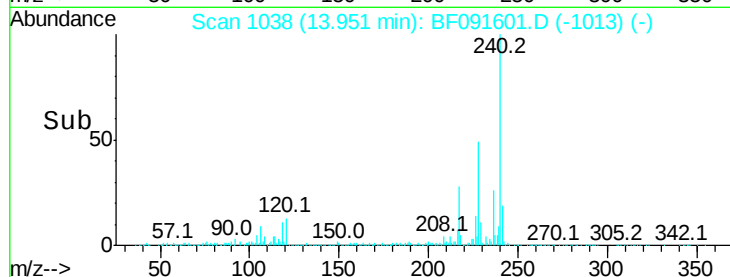
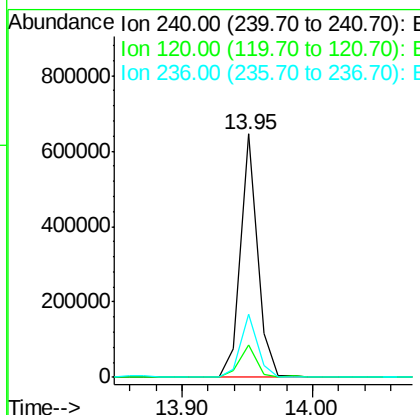
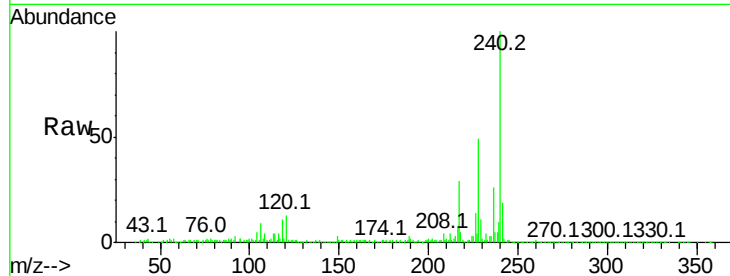
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF091601.D
Acq: 14 Dec 2016 23:03

Instrument :
BNA_F
ClientSampleId :
WC-9-5-10

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	13.2	12.1	18.1	
236	25.8	21.0	31.6	

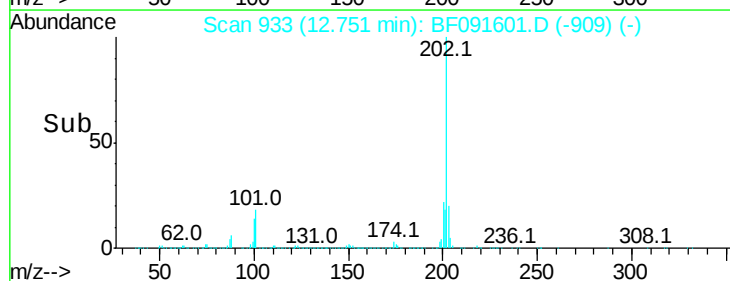
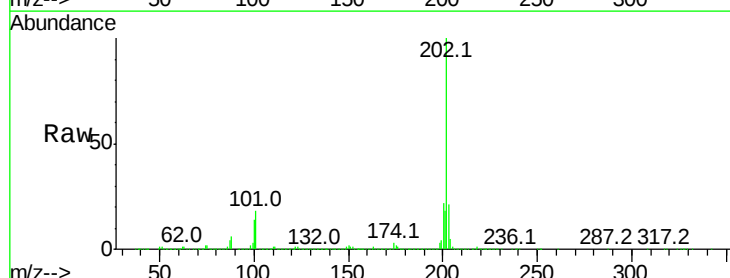
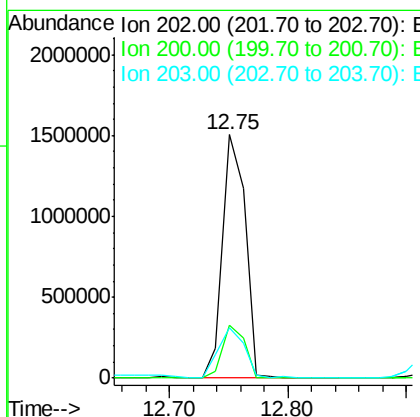
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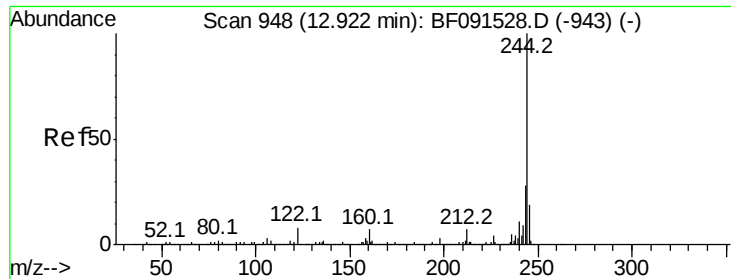
sohil
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#77
Pyrene
Concen: 42.79 ng
RT: 12.75 min Scan# 933
Delta R.T. -0.02 min
Lab File: BF091601.D
Acq: 14 Dec 2016 23:03

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.8	17.6	26.4	
203	20.6	14.0	21.0	





#78

Terphenyl-d14

Concen: 61.88 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.02 min

Lab File: BF091601.D

Acq: 14 Dec 2016 23:03

Instrument :

BNA_F

ClientSampleId :

WC-9-5-10

Tot Ion:244 Resp: 1591612

Ion Ratio Lower Upper

244 100

212 7.7 6.5 9.7

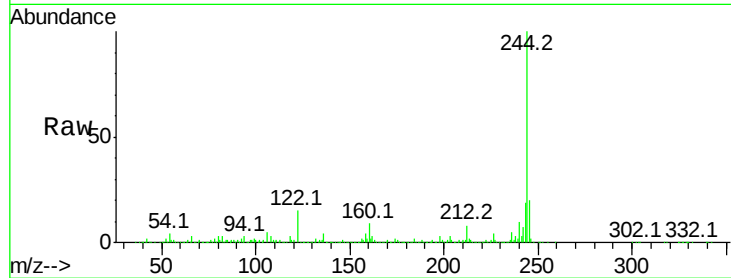
122 14.7 9.5 14.3#

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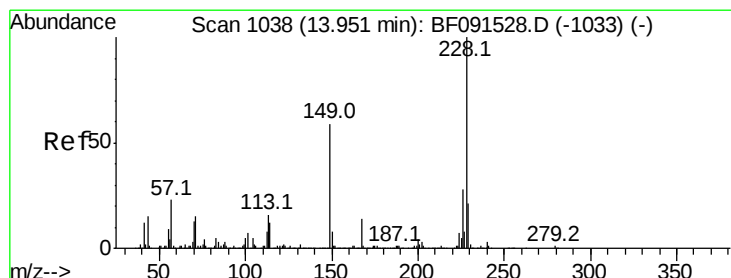
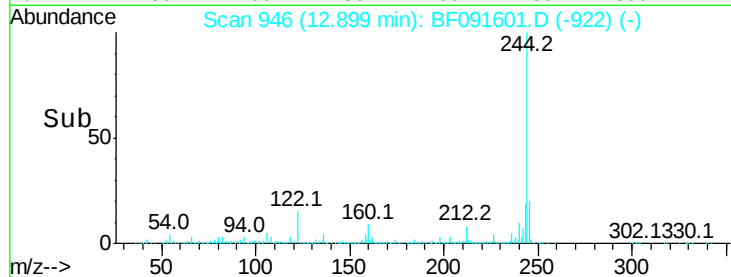
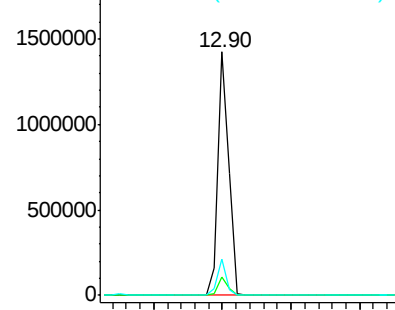
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 35.71 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF091601.D

Acq: 14 Dec 2016 23:03

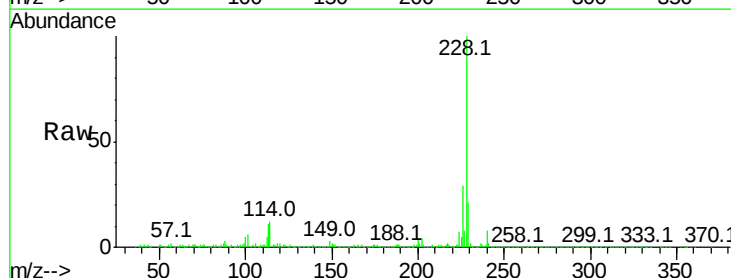
Tgt Ion:228 Resp: 1210531

Ion Ratio Lower Upper

228 100

226 28.7 22.5 33.7

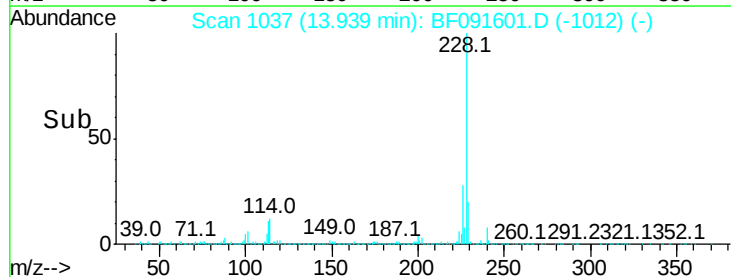
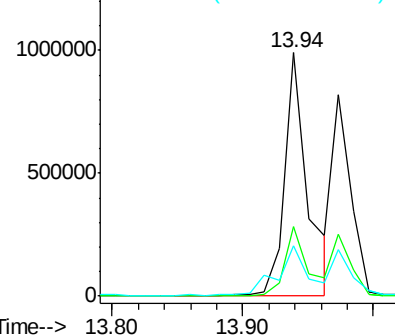
229 20.8 16.4 24.6

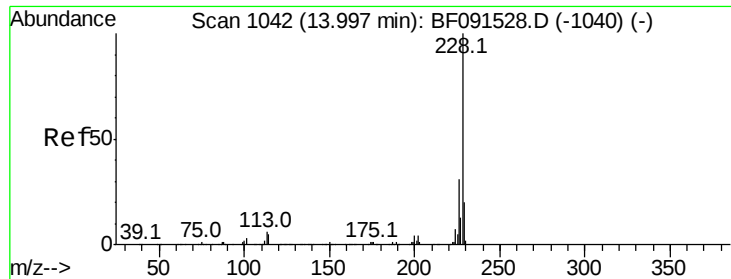


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 22.78 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.02 min

Lab File: BF091601.D

Acq: 14 Dec 2016 23:03

Instrument :

BNA_F

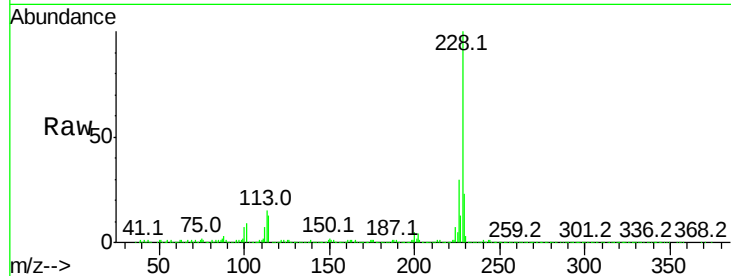
ClientSampled :

WC-9-5-10

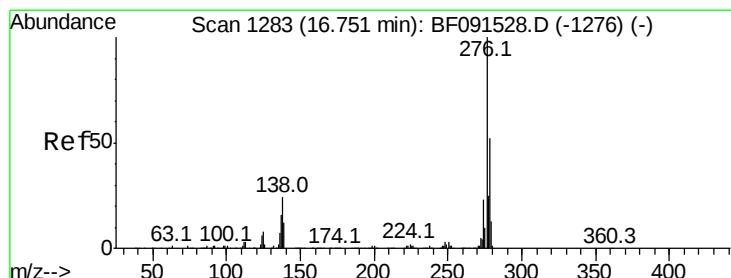
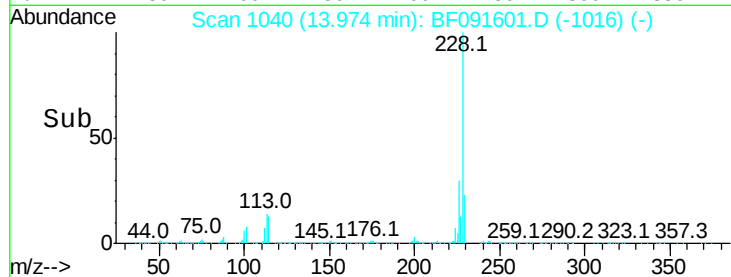
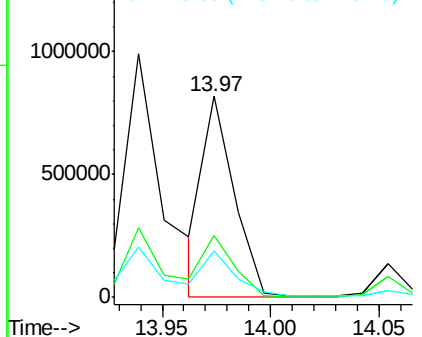
Tot Ion:	228	Resp:	807756
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.0	37.4
229	22.9	16.0	24.0

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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



#85

Indeno(1,2,3-cd)pyrene

Concen: 15.08 ng

RT: 16.73 min Scan# 1281

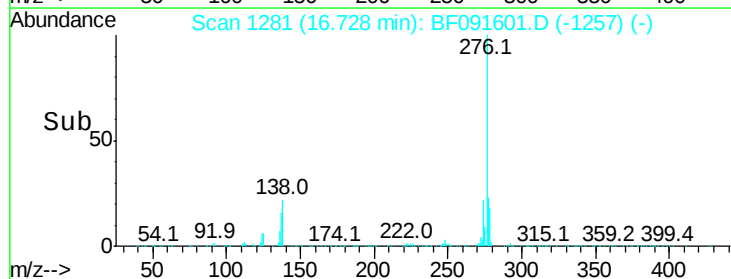
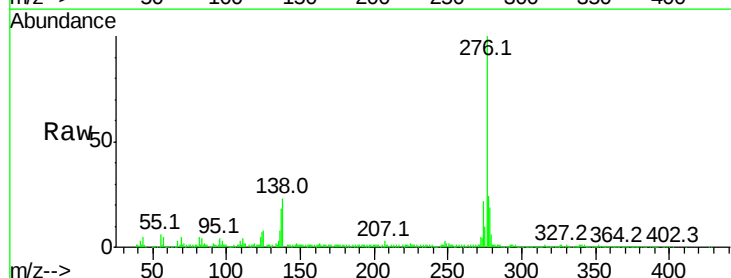
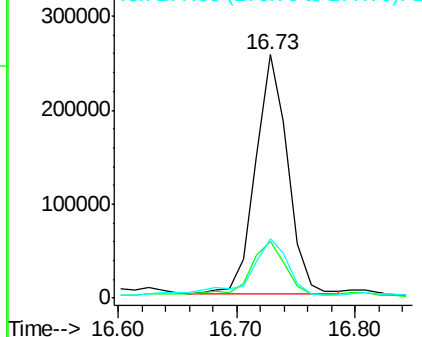
Delta R.T. -0.02 min

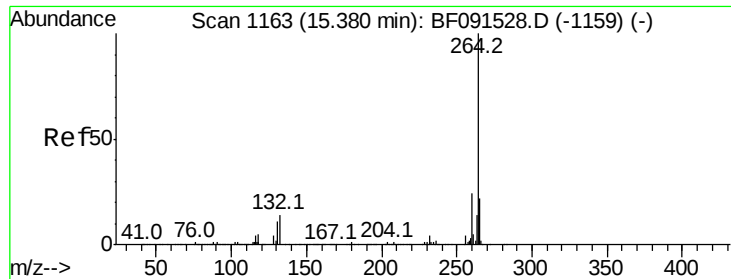
Lab File: BF091601.D

Acq: 14 Dec 2016 23:03

Tgt Ion:	276	Resp:	481226
Ion Ratio	Lower	Upper	
276	100		
138	25.2	21.0	31.4
277	28.1	20.2	30.2

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





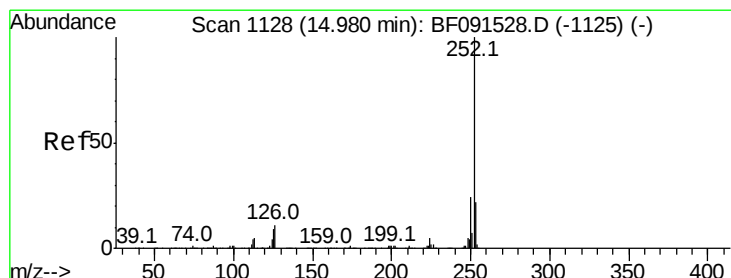
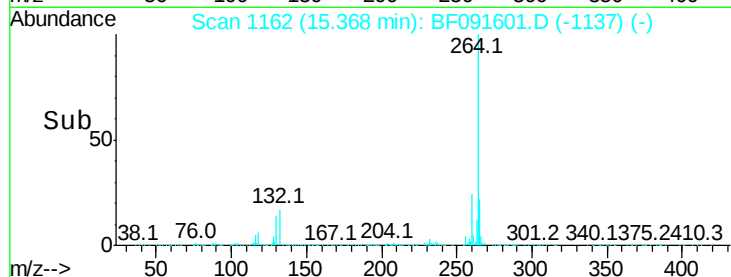
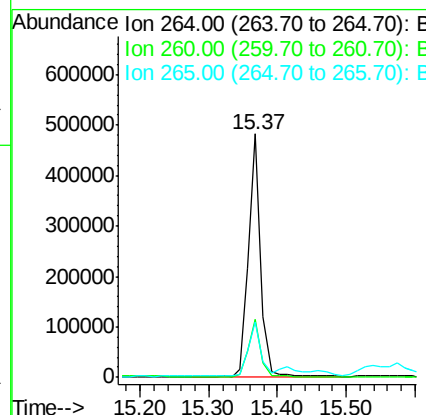
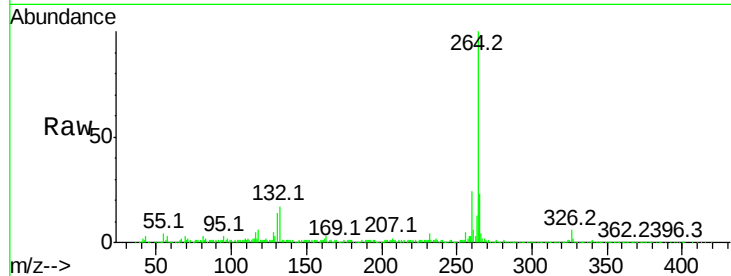
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BF091601.D
Acq: 14 Dec 2016 23:03

Instrument :
BNA_F
ClientSampleId :
WC-9-5-10

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.8	28.2
265	22.6	17.0	25.6

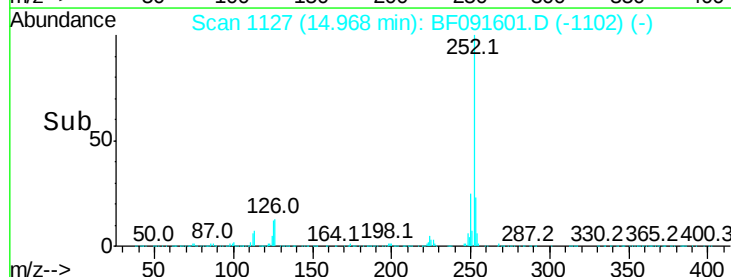
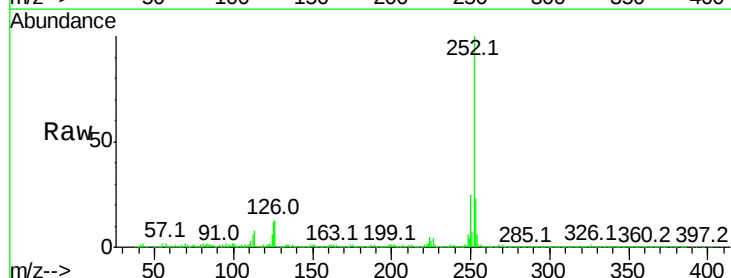
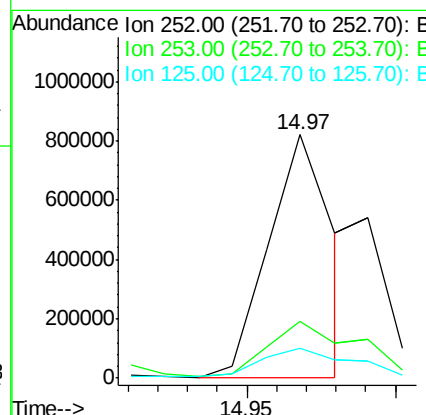
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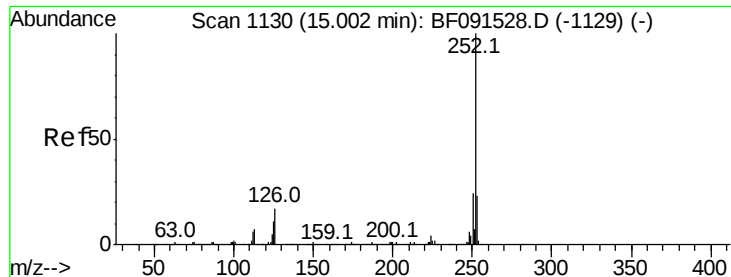
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#87
Benzo(b)fluoranthene
Concen: 34.58 ng m
RT: 14.97 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF091601.D
Acq: 14 Dec 2016 23:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	12.1	8.6	13.0





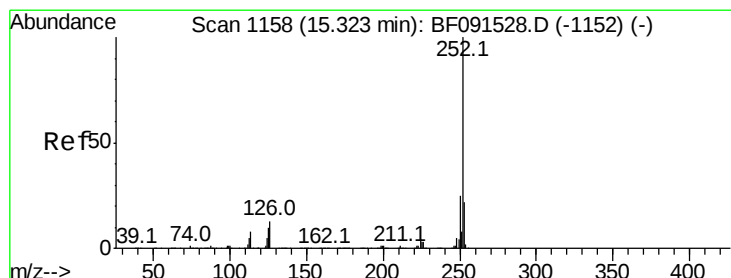
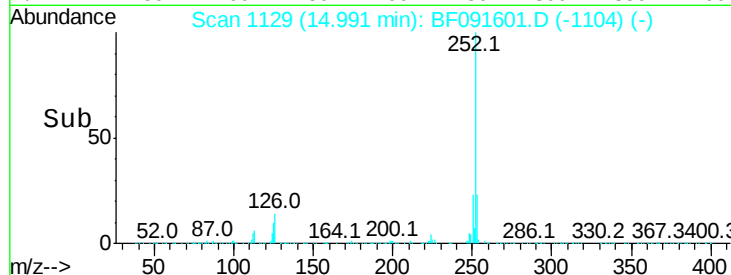
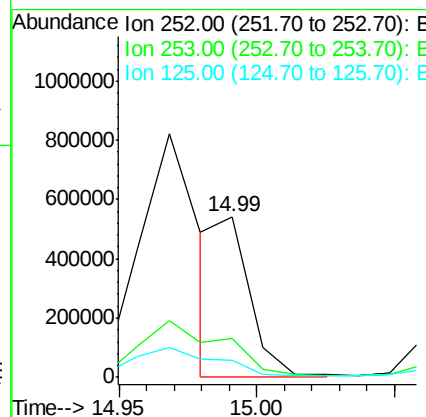
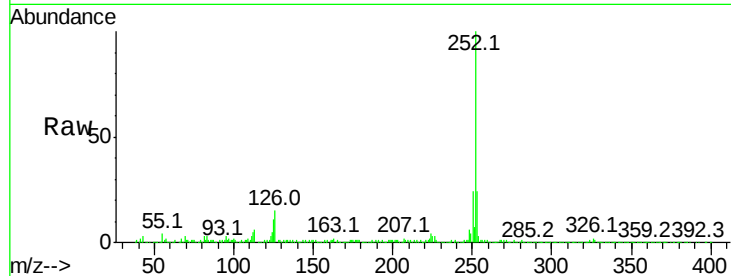
#88
Benzo(k)fluoranthene
Concen: 14.55 ng m
RT: 14.99 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF091601.D
Acq: 14 Dec 2016 23:03

Instrument :
BNA_F
ClientSampleId :
WC-9-5-10

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	10.5	9.6	14.4

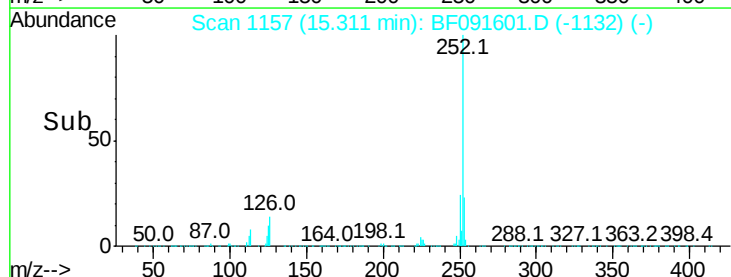
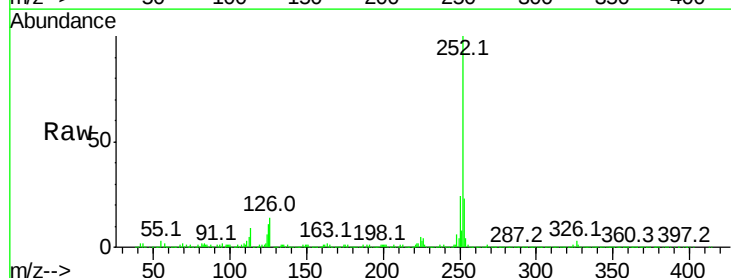
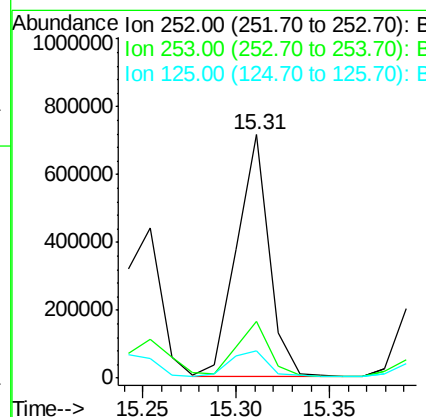
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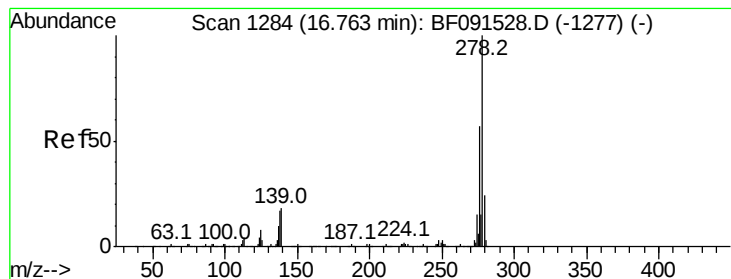
sohil
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#89
Benzo(a)pyrene
Concen: 27.26 ng
RT: 15.31 min Scan# 1157
Delta R.T. -0.01 min
Lab File: BF091601.D
Acq: 14 Dec 2016 23:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.4
125	11.0	10.4	15.6





#90

Dibenzo(a,h)anthracene

Concen: 4.58 ng/mL

RT: 16.74 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF091601.D

Acq: 14 Dec 2016 23:03

Instrument :

BNA_F

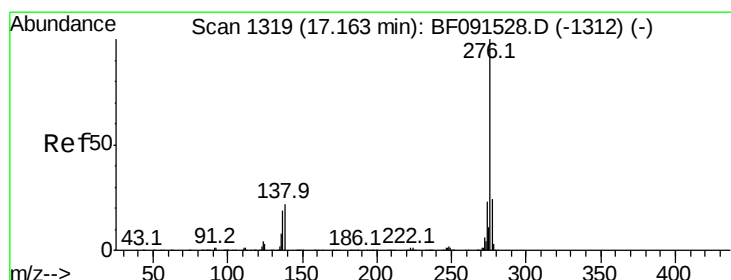
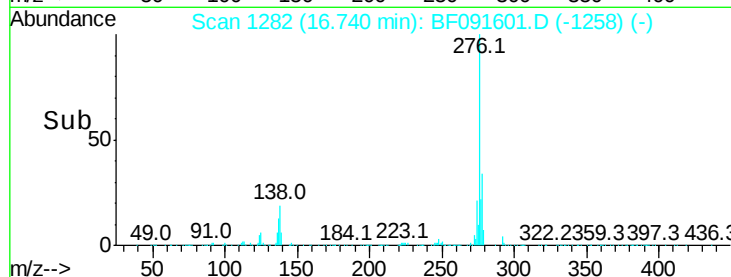
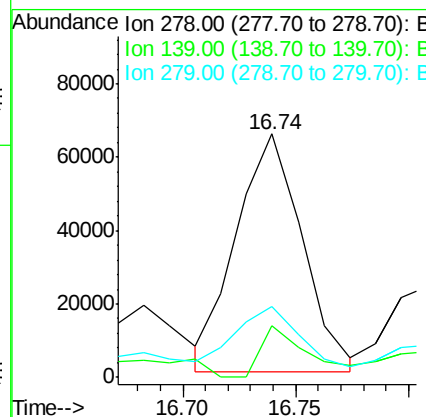
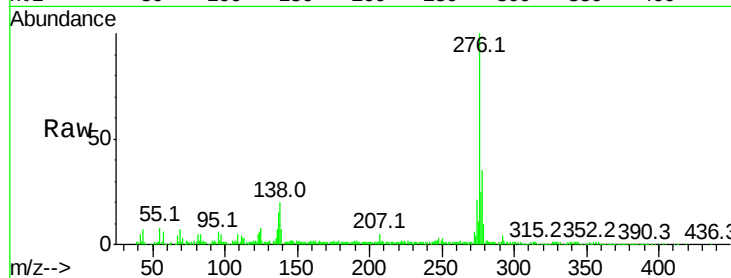
ClientSampleId :

WC-9-5-10

Tot Ion:	278	Resp:	131134
Ion Ratio	Lower	Upper	
278	100		
139	21.2	15.1	22.7
279	29.3	19.0	28.6

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#91

Benzo(g,h,i)perylene

Concen: 15.01 ng/mL

RT: 17.14 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BF091601.D

Acq: 14 Dec 2016 23:03

Tgt Ion:	276	Resp:	437066
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.0	28.4
138	24.1	15.4	23.0

