

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
 Data File : BF091600.D
 Acq On : 14 Dec 2016 22:36
 Operator : UM/SJ
 Sample : H6006-18
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4-0-5

Manual Integrations
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Quant Time: Dec 15 01:36:20 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	300991	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	1108252	20.00	ng	-0.02
38) Acenaphthene-d10	9.84	164	568115	20.00	ng	-0.02
63) Phenanthrene-d10	11.31	188	797043	20.00	ng	-0.02
75) Chrysene-d12	13.95	240	552746	20.00	ng	-0.01
86) Perylene-d12	15.37	264	556551	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	766355	42.90	ng	-0.02
7) Phenol-d6	6.43	99	1120183	50.29	ng	-0.02
23) Nitrobenzene-d5	7.36	82	918312	46.25	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	432227	91.60	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	1672672	50.87	ng	-0.02
78) Terphenyl-d14	12.90	244	1544799	63.42	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.44	94	75071	2.88	ng	95
48) Acenaphthylene	9.69	152	178142	3.67	ng	99
49) Dimethylphthalate	9.55	163	243240	6.76	ng	98
54) Dibenzofuran	10.04	168	87105	2.09	ng	# 89
70) Phenanthrene	11.34	178	1790982	45.38	ng	100
71) Anthracene	11.39	178	356396	8.37	ng	98
72) Carbazole	11.55	167	193466	5.18	ng	97
73) Di-n-butylphthalate	11.88	149	164336	3.78	ng	98
74) Fluoranthene	12.53	202	2368967	57.32	ng	99
77) Pyrene	12.75	202	1824887	41.61	ng	98
80) Benzo(a)anthracene	13.94	228	1095405	34.12	ng	96
82) Chrysene	13.97	228	744318	22.16	ng	97
85) Indeno(1,2,3-cd)pyrene	16.73	276	429237	14.20	ng	95
87) Benzo(b)fluoranthene	14.97	252	1196793m	36.07	ng	
88) Benzo(k)fluoranthene	14.99	252	428813m	14.70	ng	
89) Benzo(a)pyrene	15.31	252	757096	25.33	ng	98
90) Dibenzo(a,h)anthracene	16.74	278	112926	4.22	ng	# 93
91) Benzo(g,h,i)perylene	17.14	276	386512	14.18	ng	# 94

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

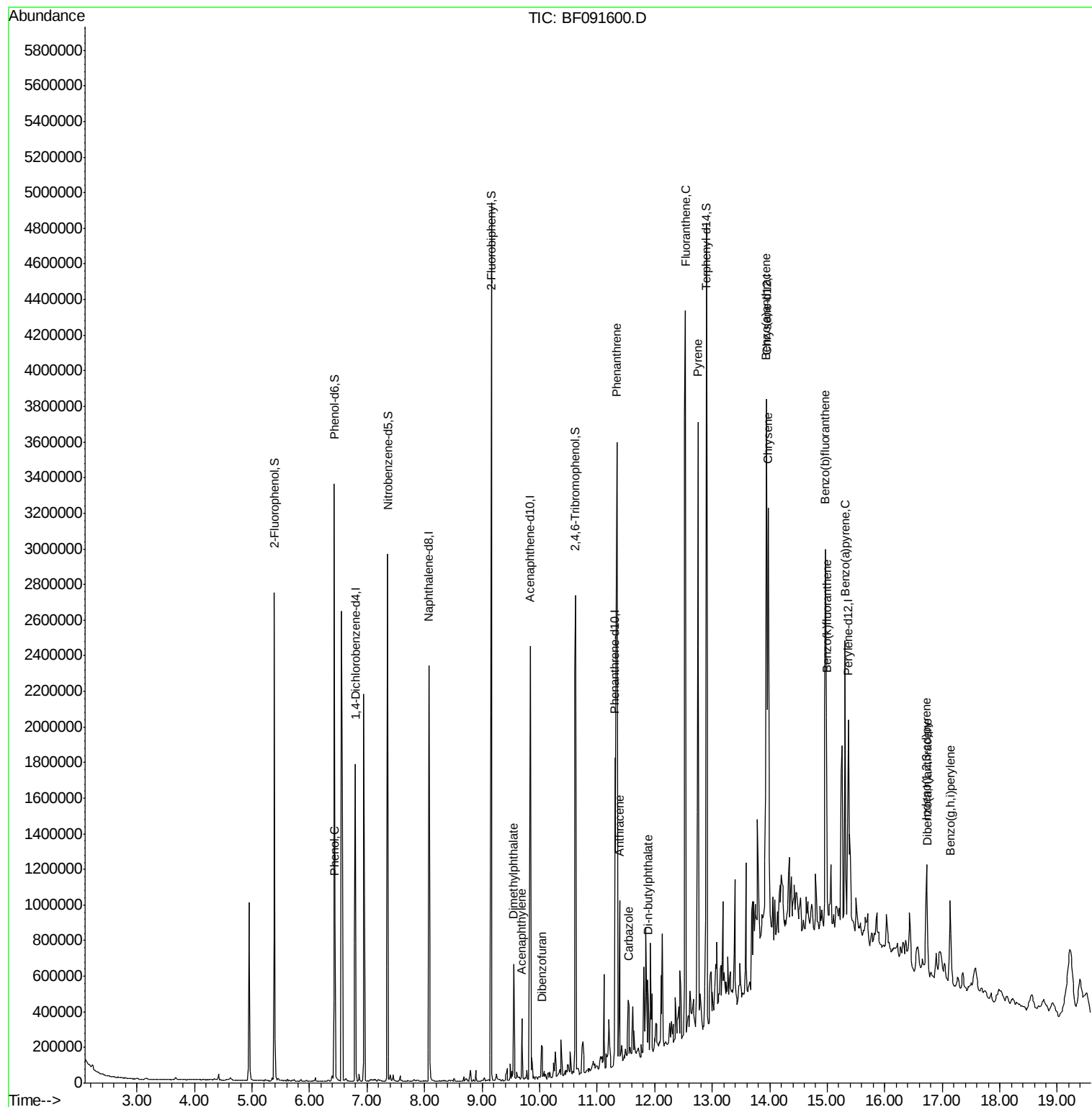
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091600.D
Acq On : 14 Dec 2016 22:36
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Sample : H6006-18
Misc :
ALS Vial : 15 Sample Multiplier: 1

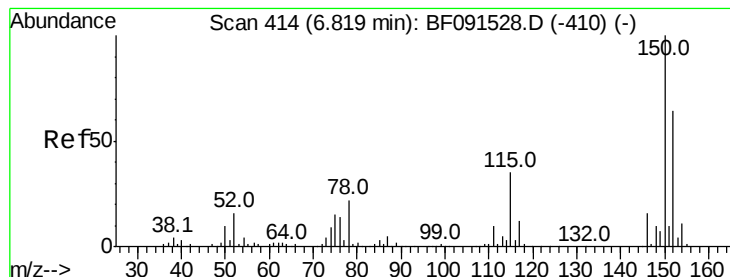
Instrument :
BNA_F
ClientSampleId :
WC-4-0-5

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Quant Time: Dec 15 01:36:20 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
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#1

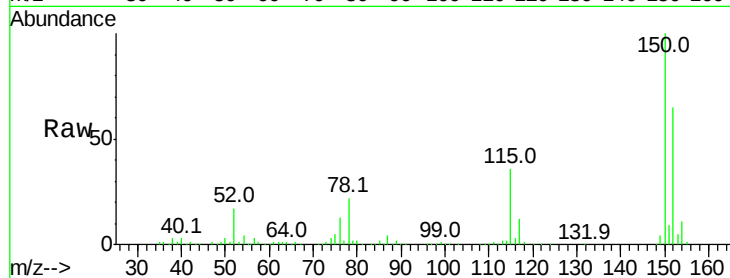
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.02 min
Lab File: BF091600.D
Acq: 14 Dec 2016 22:36

Instrument :
BNA_F
ClientSampleId :
WC-4-0-5

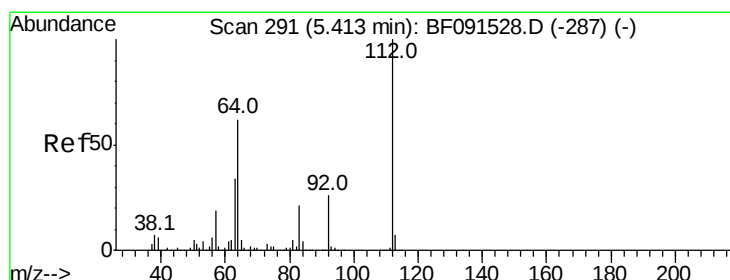
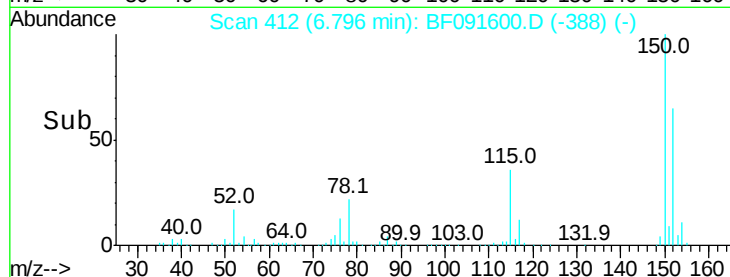
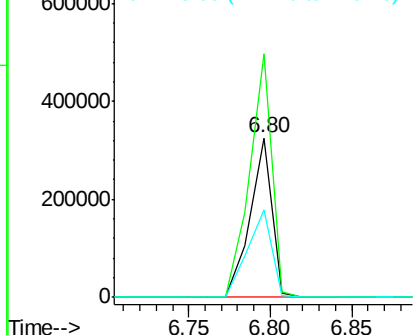
Tot Ion	Ratio	Resp	Lower	Upper
152	100	300991		
150	152.8	122.5	183.7	
115	55.2	51.8	77.8	

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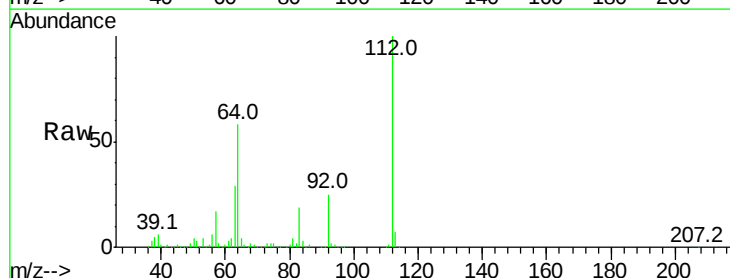
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



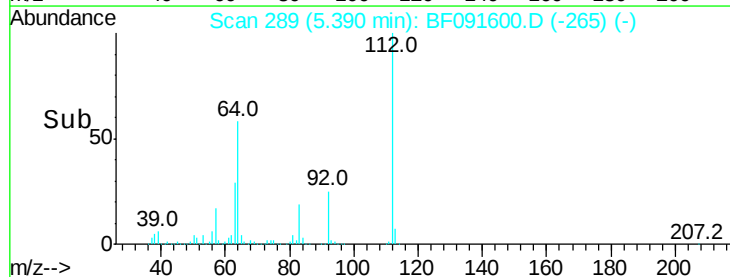
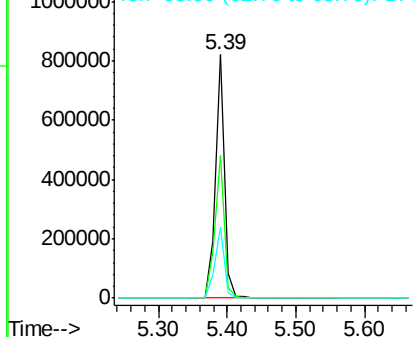
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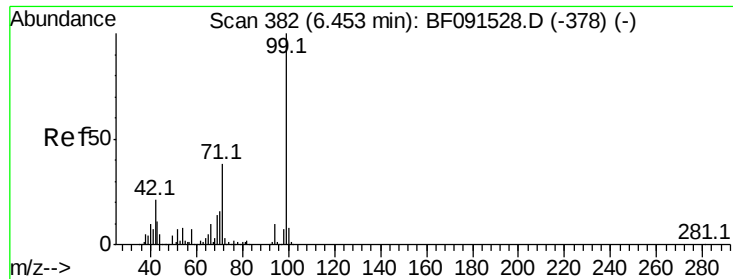
2-Fluorophenol
Concen: 42.90 ng
RT: 5.39 min Scan# 289
Delta R.T. -0.02 min
Lab File: BF091600.D
Acq: 14 Dec 2016 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	766355		
64	58.4	61.5	92.3#	
63	28.9	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: 50.29 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.02 min

Lab File: BF091600.D

Acq: 14 Dec 2016 22:36

Instrument :

BNA_F

ClientSampled :

WC-4-0-5

Tot Ion: 99 Resp: 1120183

Ion Ratio Lower Upper

99 100

42 20.0 20.6 31.0#

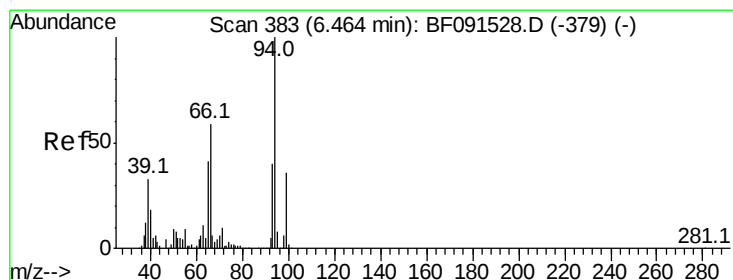
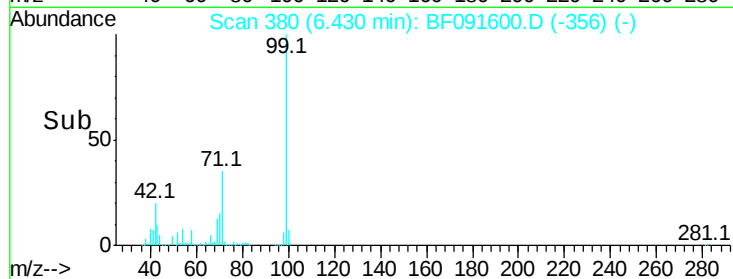
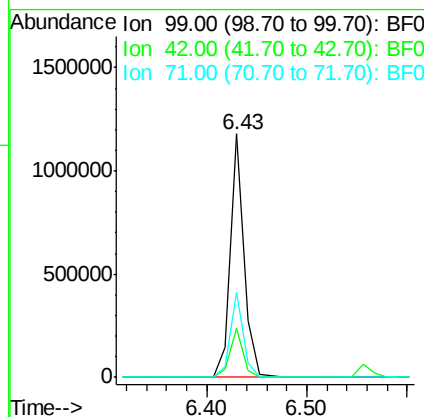
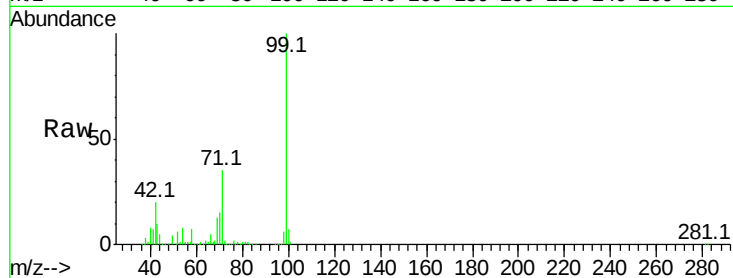
71 34.7 29.9 44.9

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#10

Phenol

Concen: 2.88 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.02 min

Lab File: BF091600.D

Acq: 14 Dec 2016 22:36

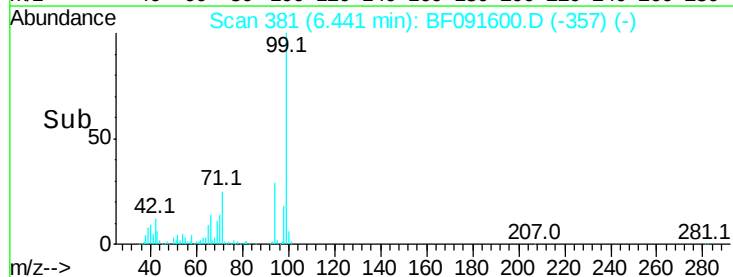
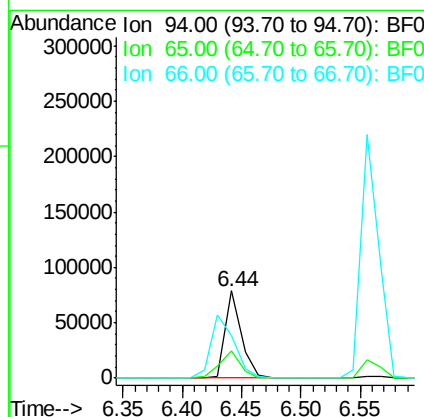
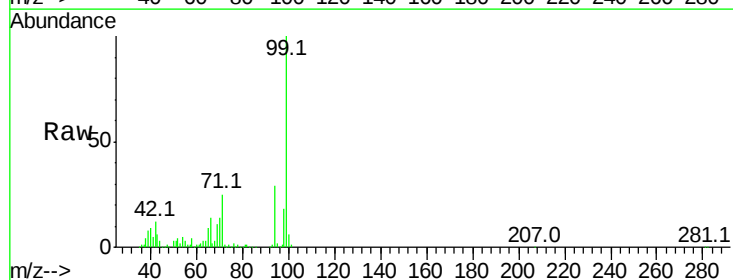
Tgt Ion: 94 Resp: 75071

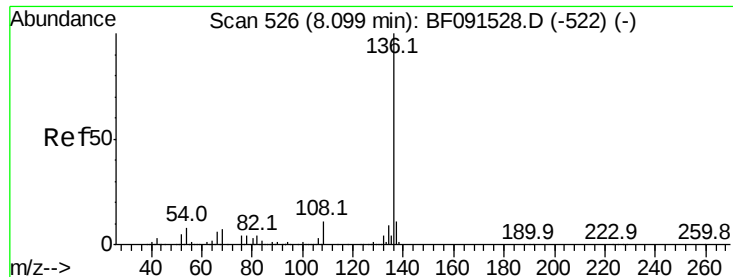
Ion Ratio Lower Upper

94 100

65 31.1 16.9 56.9

66 49.7 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: BF091600.D

Acq: 14 Dec 2016 22:36

Instrument :

BNA_F

ClientSampleId :

WC-4-0-5

Tot Ion:136 Resp: 1108252

Ion Ratio Lower Upper

136 100

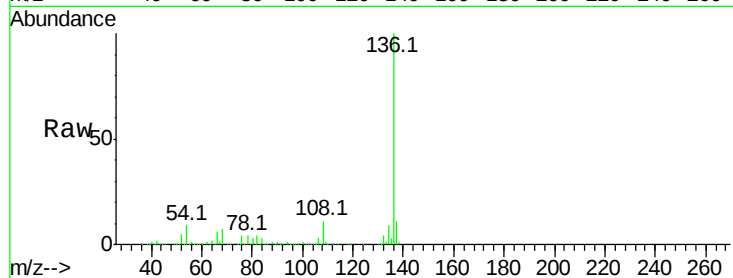
137 11.5 9.1 13.7

54 9.4 9.1 13.7

68 7.2 5.9 8.9

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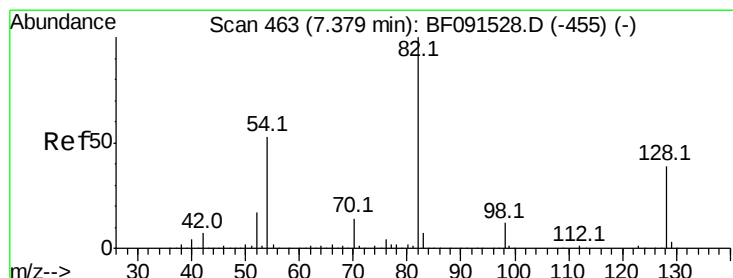
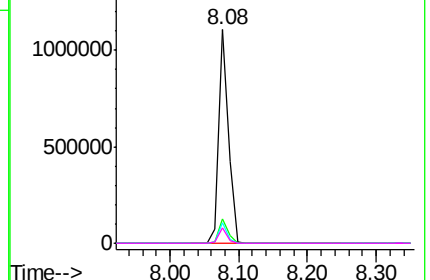
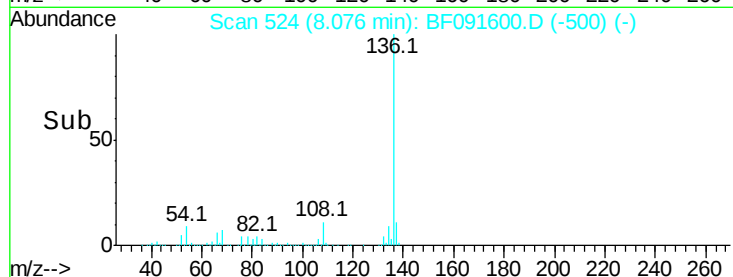


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 46.25 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.02 min

Lab File: BF091600.D

Acq: 14 Dec 2016 22:36

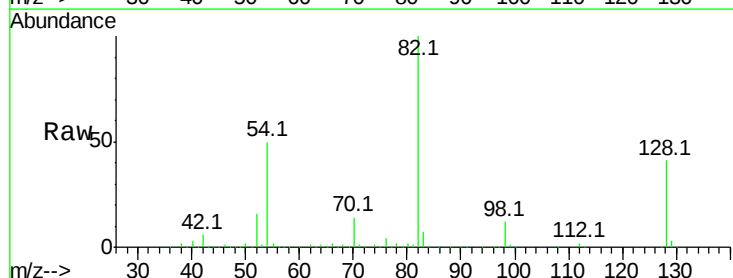
Tgt Ion: 82 Resp: 918312

Ion Ratio Lower Upper

82 100

128 41.0 31.8 47.6

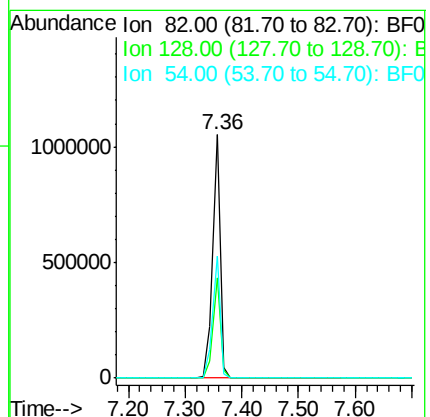
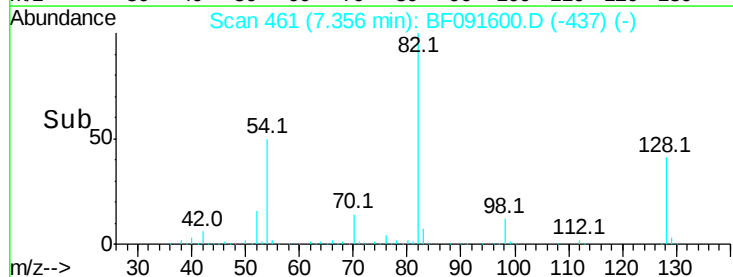
54 49.9 49.1 73.7

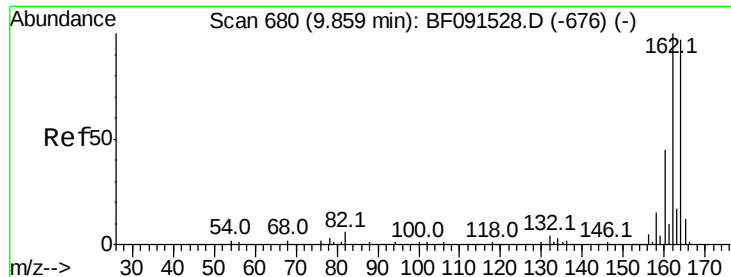


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





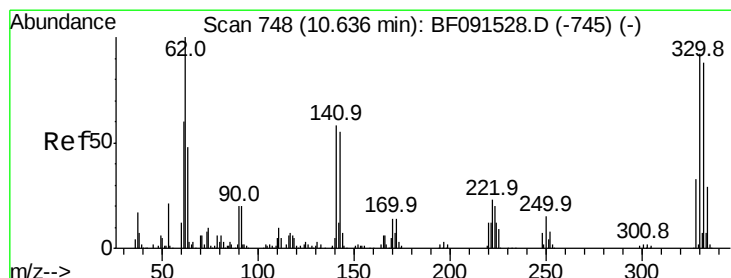
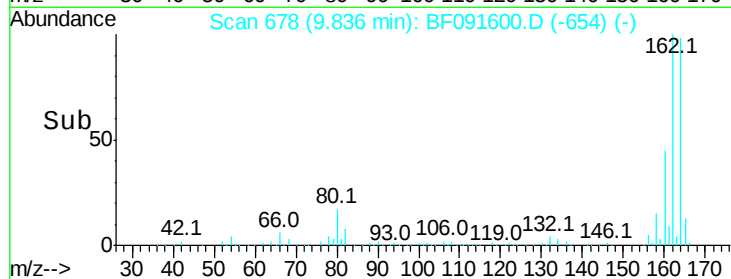
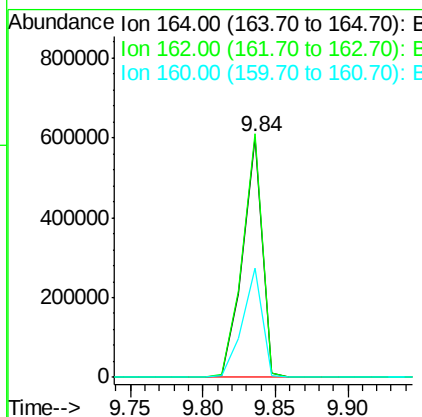
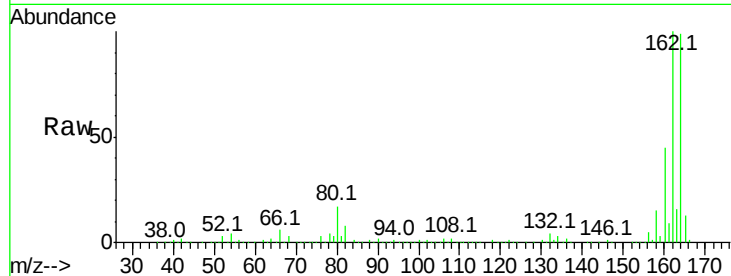
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.02 min
 Lab File: BF091600.D
 Acq: 14 Dec 2016 22:36

Instrument :
 BNA_F
 ClientSampleId :
 WC-4-0-5

Tot Ion	Ratio	Resp	Lower	Upper
164	100	568115		
162	101.4	82.6	124.0	
160	45.3	36.7	55.1	

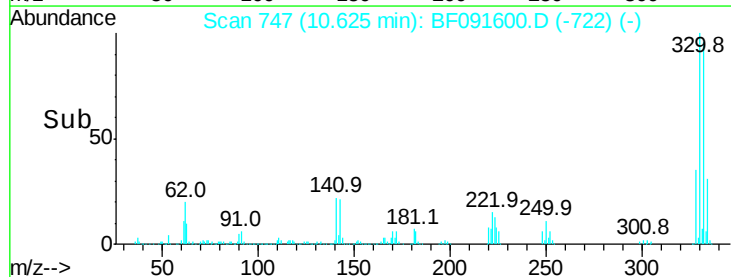
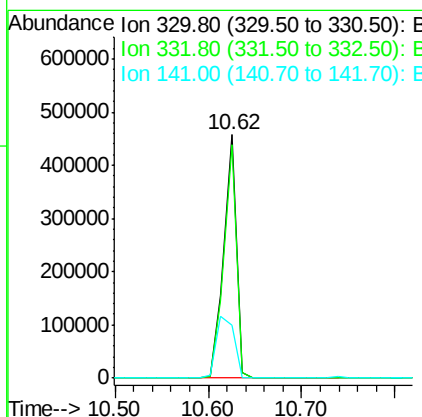
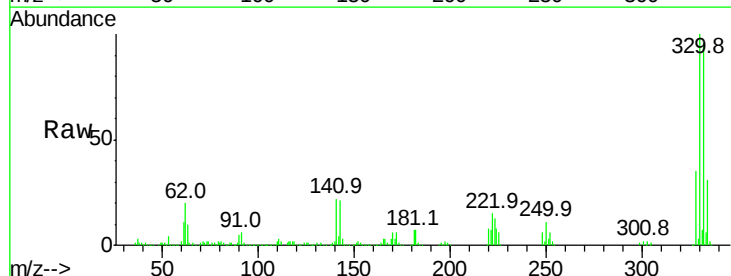
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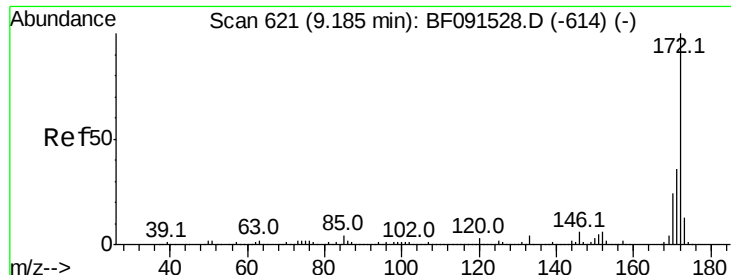
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#41
 2,4,6-Tribromophenol
 Concen: 91.60 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF091600.D
 Acq: 14 Dec 2016 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	432227		
332	95.9	76.2	114.4	
141	35.7	33.6	50.4	





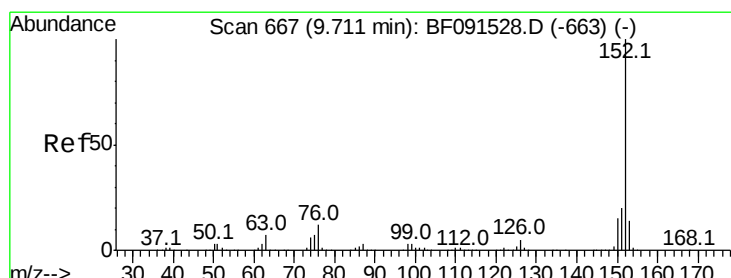
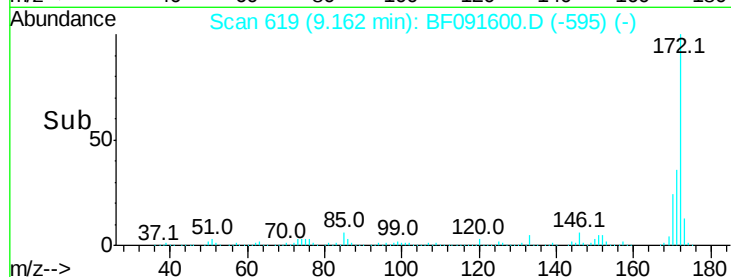
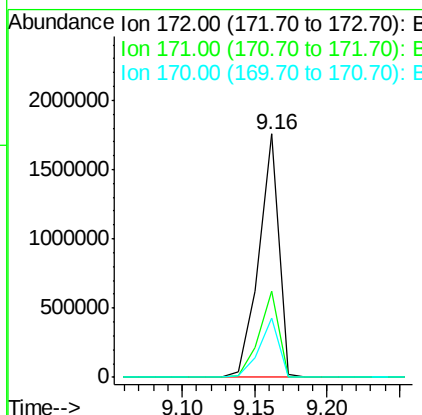
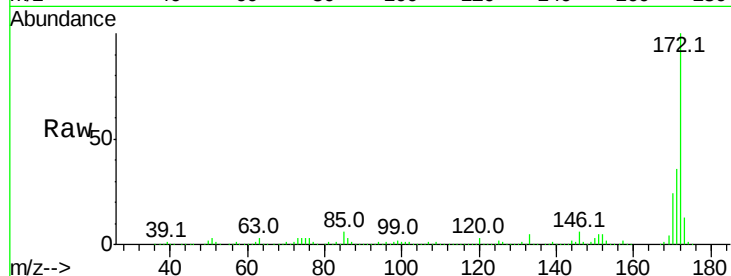
#44
2-Fluorobiphenyl
Concen: 50.87 ng
RT: 9.16 min Scan# 619
Delta R.T. -0.02 min
Lab File: BF091600.D
Acq: 14 Dec 2016 22:36

Instrument :
BNA_F
ClientSampleId :
WC-4-0-5

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	24.2	19.7	29.5

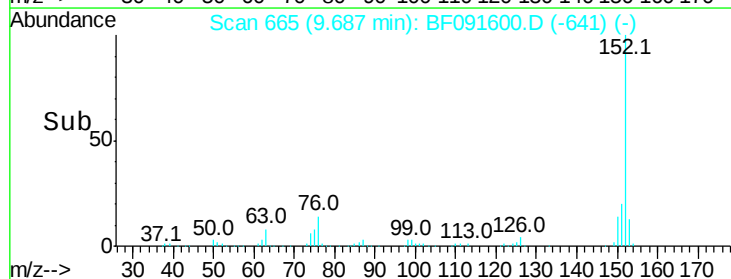
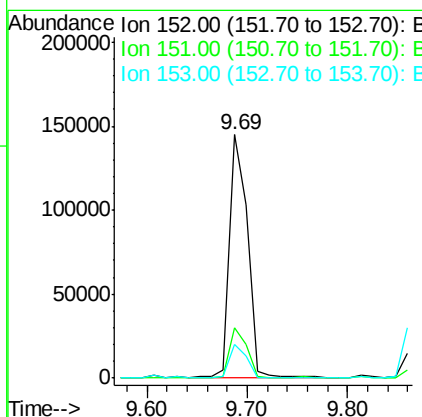
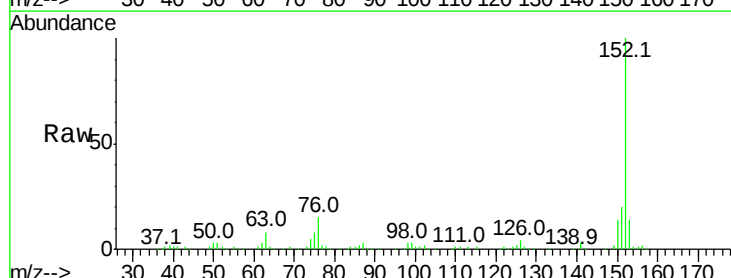
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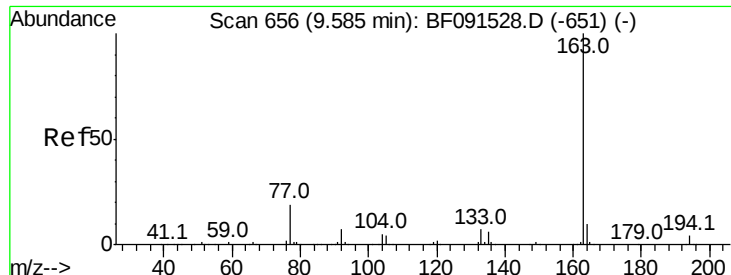
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#48
Acenaphthylene
Concen: 3.67 ng
RT: 9.69 min Scan# 665
Delta R.T. -0.02 min
Lab File: BF091600.D
Acq: 14 Dec 2016 22:36

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.6	24.8
153	13.7	10.7	16.1





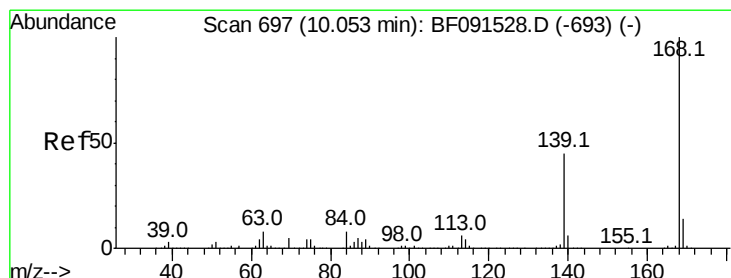
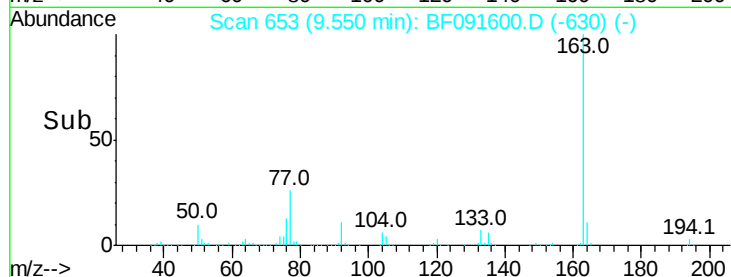
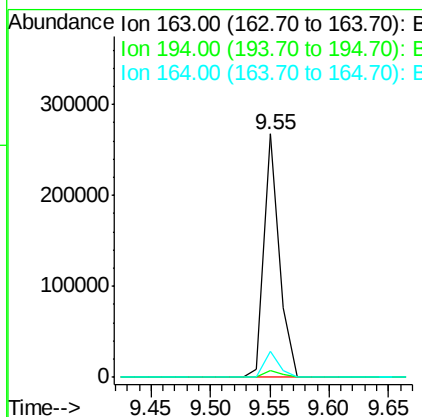
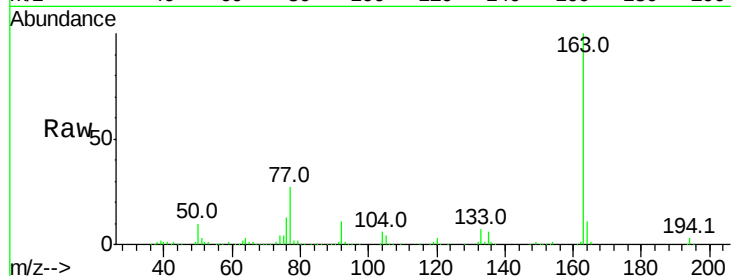
#49
Dimethylphthalate
Concen: 6.76 ng
RT: 9.55 min Scan# 653
Delta R.T. -0.03 min
Lab File: BF091600.D
Acq: 14 Dec 2016 22:36

Instrument :
BNA_F
ClientSampleId :
WC-4-0-5

Tot Ion	Ratio	Resp	Lower	Upper
163	100	243240		
194	3.0		3.0	4.4
164	10.7		7.8	11.8

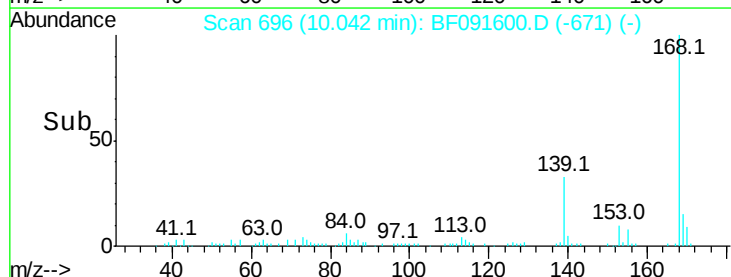
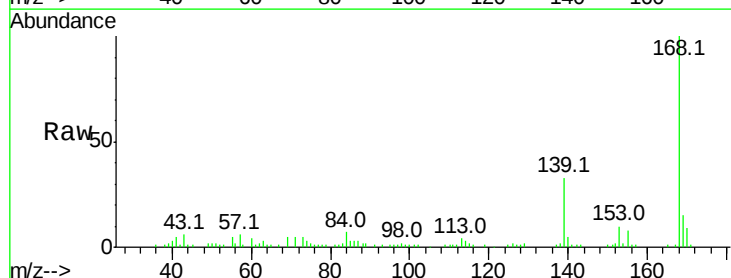
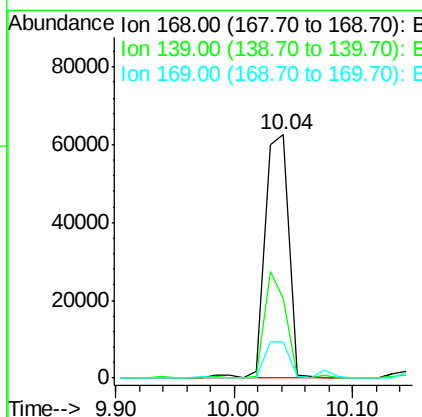
Manual Integrations
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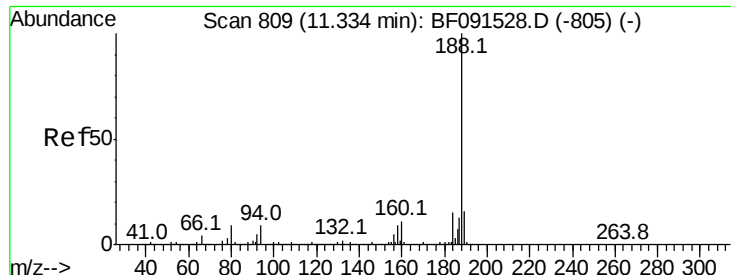
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#54
Dibenzofuran
Concen: 2.09 ng
RT: 10.04 min Scan# 696
Delta R.T. -0.01 min
Lab File: BF091600.D
Acq: 14 Dec 2016 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	87105		
139	32.8		33.4	50.2#
169	15.1		11.1	16.7





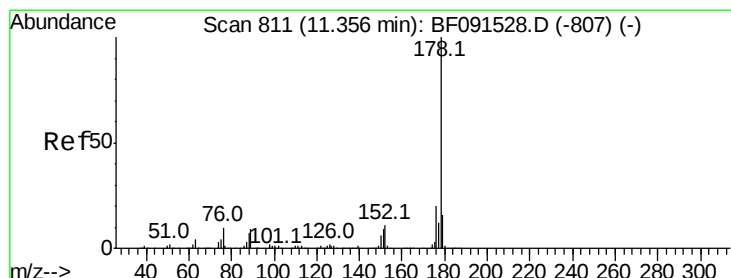
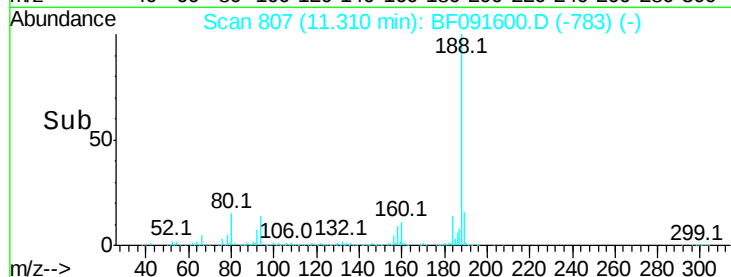
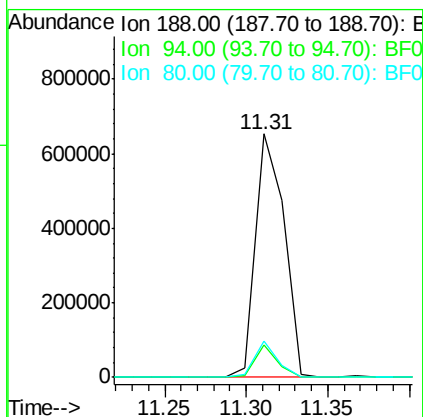
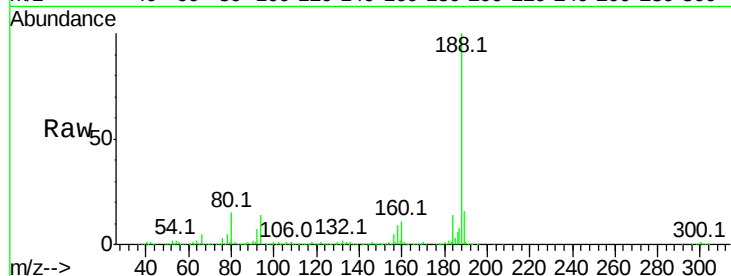
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.31 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF091600.D
Acq: 14 Dec 2016 22:36

Instrument :
BNA_F
ClientSampleId :
WC-4-0-5

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	13.6	9.2	13.8
80	15.1	10.5	15.7

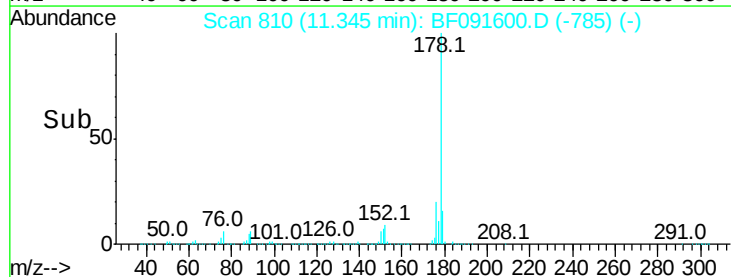
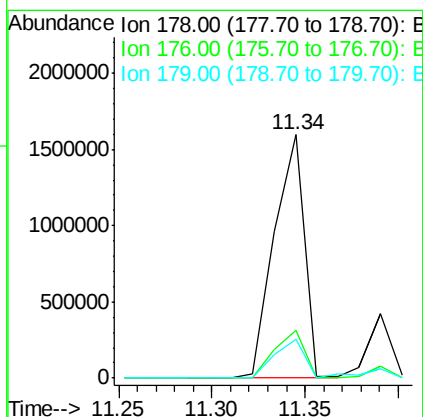
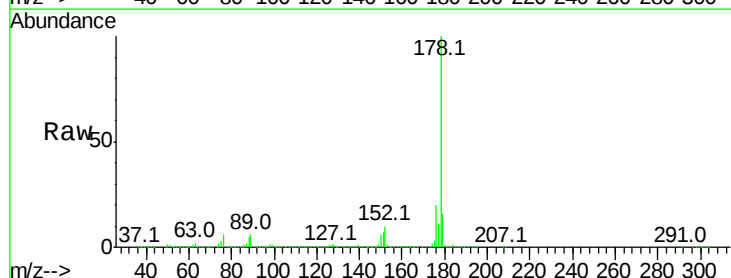
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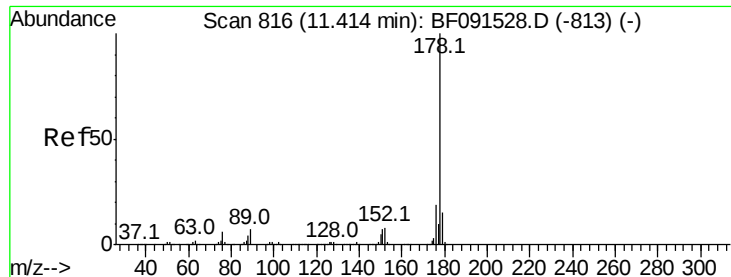
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#70
Phenanthrene
Concen: 45.38 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF091600.D
Acq: 14 Dec 2016 22:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.7	15.9	23.9
179	15.7	12.6	18.8





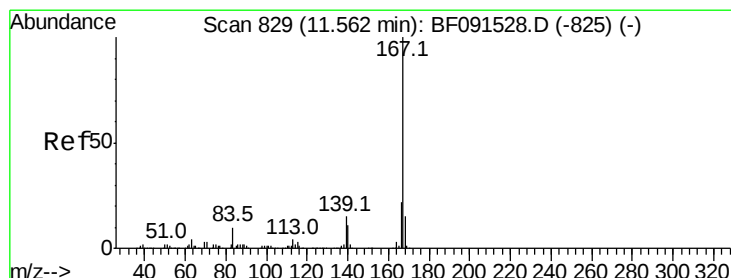
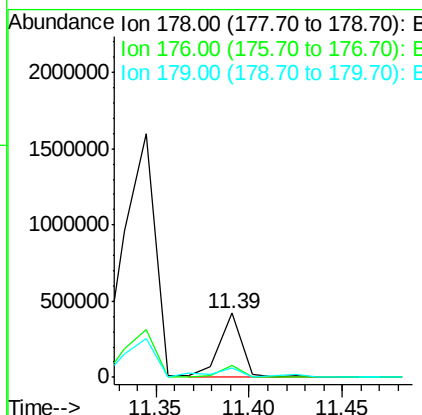
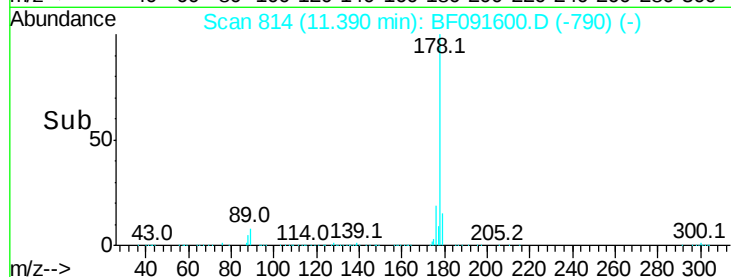
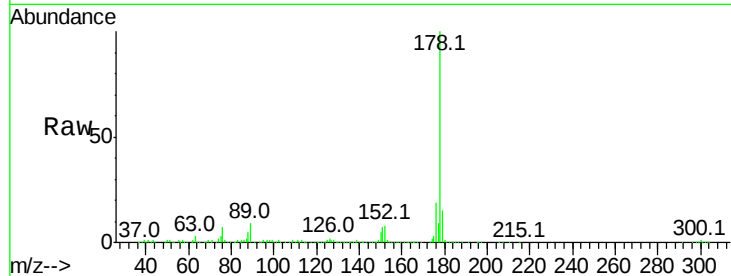
#71
 Anthracene
 Concen: 8.37 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.02 min
 Lab File: BF091600.D
 Acq: 14 Dec 2016 22:36

Instrument :
 BNA_F
 ClientSampleId :
 WC-4-0-5

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.6
179	15.0	12.7	19.1

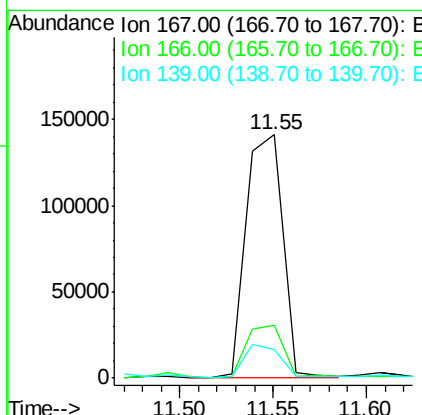
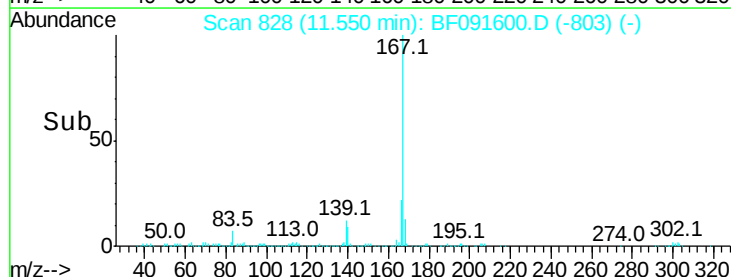
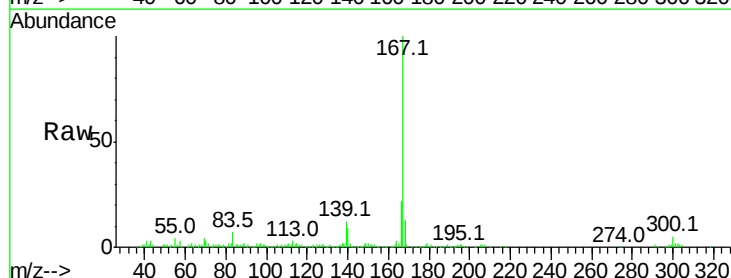
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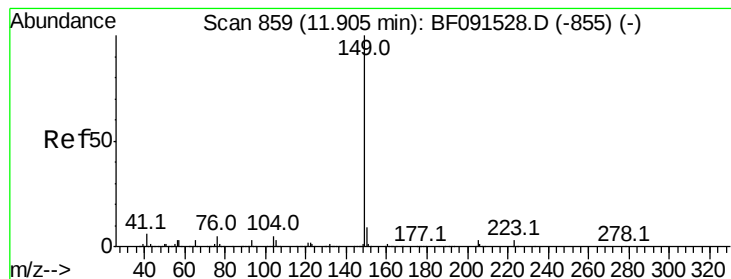
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#72
 Carbazole
 Concen: 5.18 ng
 RT: 11.55 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: BF091600.D
 Acq: 14 Dec 2016 22:36

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	18.1	27.1
139	11.9	11.5	17.3





#73

Di-n-butylphthalate

Concen: 3.78 ng

RT: 11.88 min Scan# 857

Delta R.T. -0.02 min

Lab File: BF091600.D

Acq: 14 Dec 2016 22:36

Instrument :

BNA_F

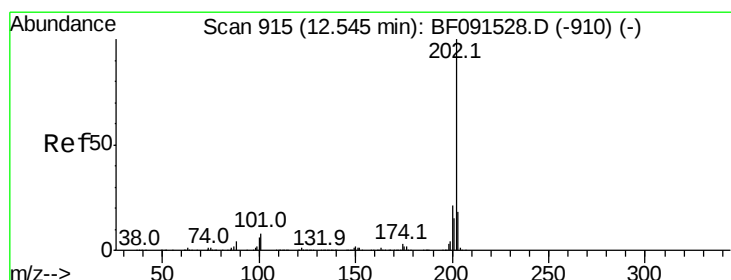
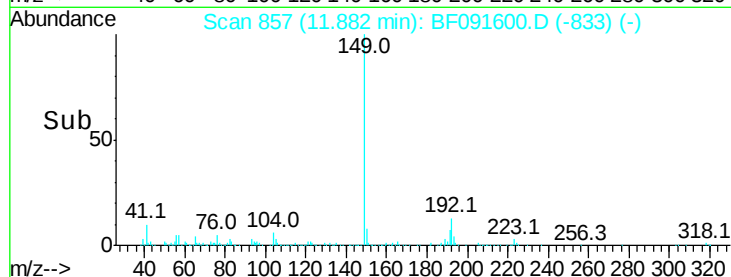
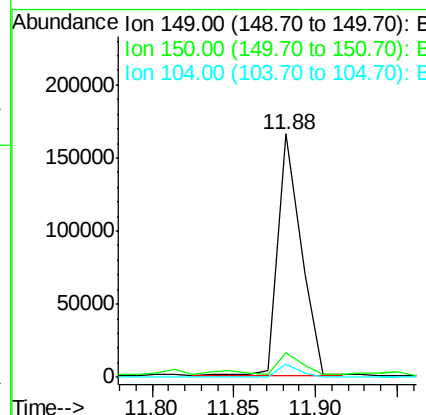
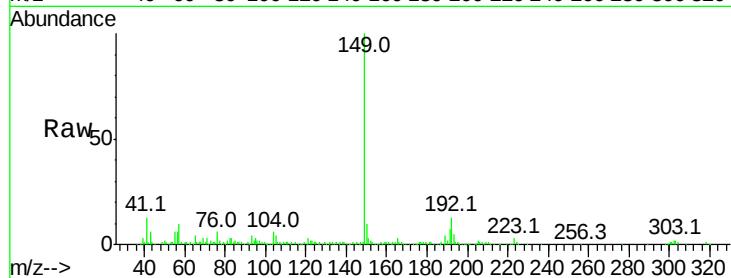
ClientSampleId :

WC-4-0-5

Tot Ion:	149	Resp:	164336
Ion Ratio	Lower	Upper	
149	100		
150	10.2	7.5	11.3
104	5.5	4.0	6.0

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#74

Fluoranthene

Concen: 57.32 ng

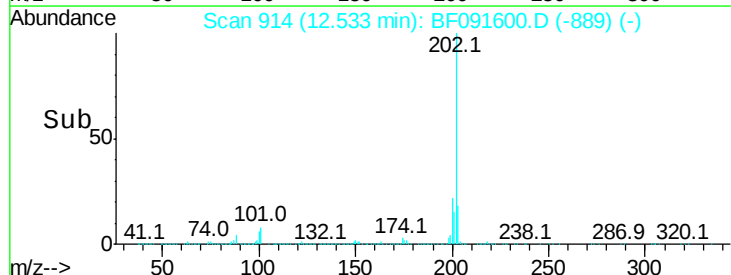
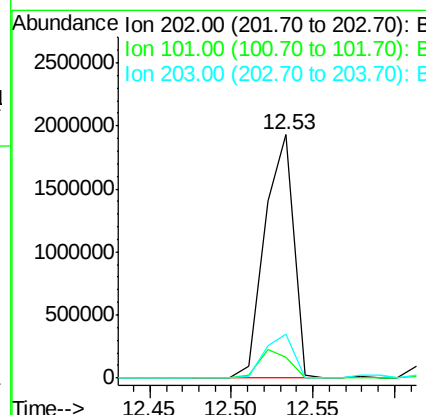
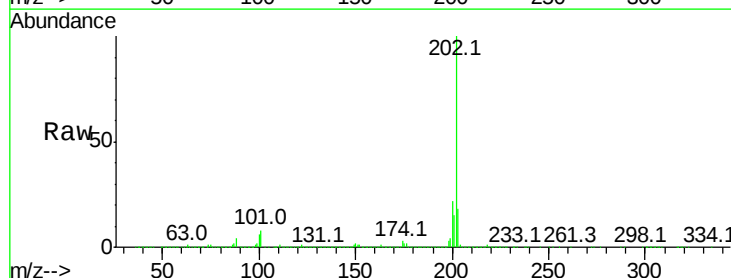
RT: 12.53 min Scan# 914

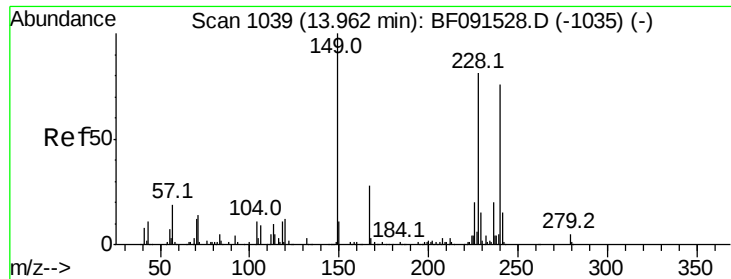
Delta R.T. -0.01 min

Lab File: BF091600.D

Acq: 14 Dec 2016 22:36

Tgt Ion:	202	Resp:	2368967
Ion Ratio	Lower	Upper	
202	100		
101	8.4	0.0	29.5
203	18.1	0.0	37.8





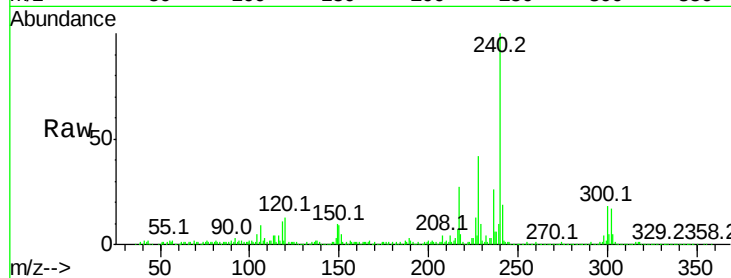
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF091600.D
Acq: 14 Dec 2016 22:36

Instrument :
BNA_F
ClientSampleId :
WC-4-0-5

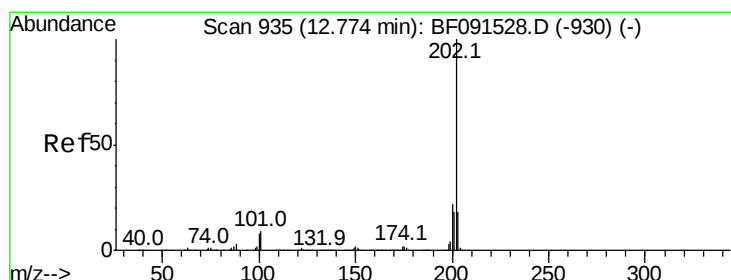
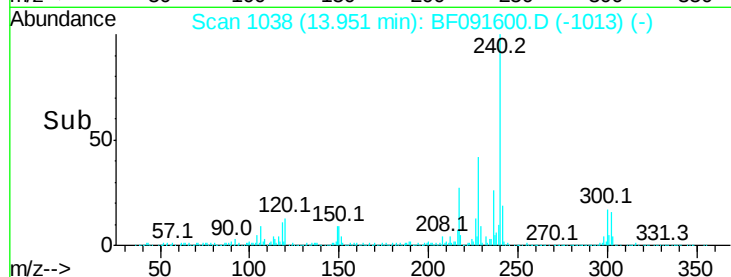
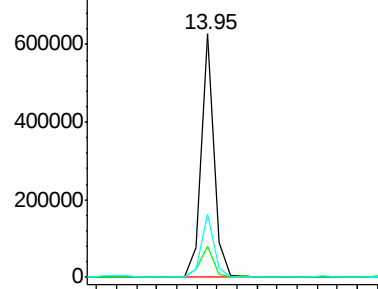
Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	12.7	12.1	18.1	
236	26.0	21.0	31.6	

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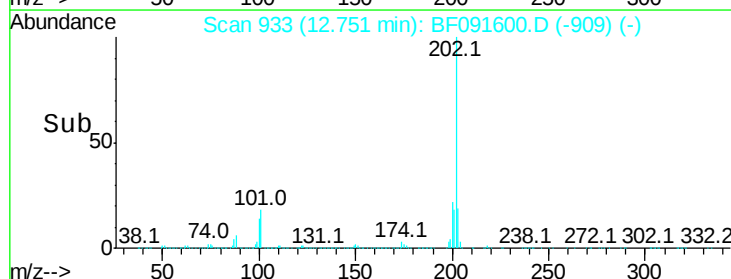
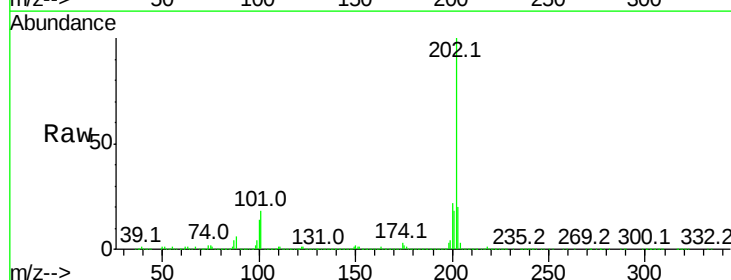
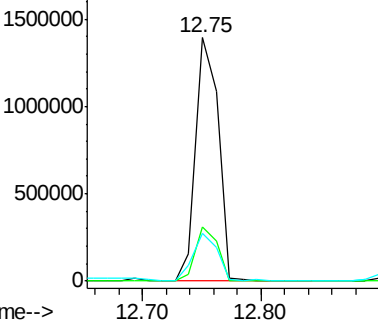
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

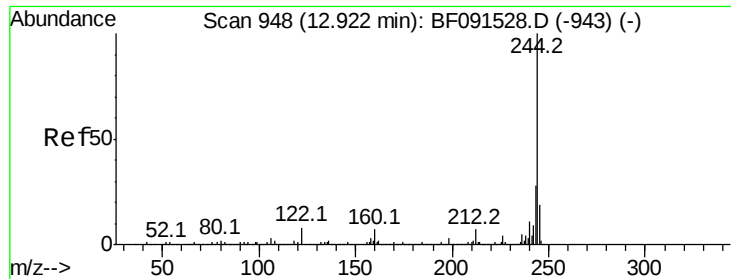


#77
Pyrene
Concen: 41.61 ng
RT: 12.75 min Scan# 933
Delta R.T. -0.02 min
Lab File: BF091600.D
Acq: 14 Dec 2016 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	22.2	17.6	26.4	
203	19.5	14.0	21.0	

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 63.42 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.02 min

Lab File: BF091600.D

Acq: 14 Dec 2016 22:36

Instrument :

BNA_F

ClientSampleId :

WC-4-0-5

Tot Ion:244 Resp: 1544799

Ion Ratio Lower Upper

244 100

212 7.4 6.5 9.7

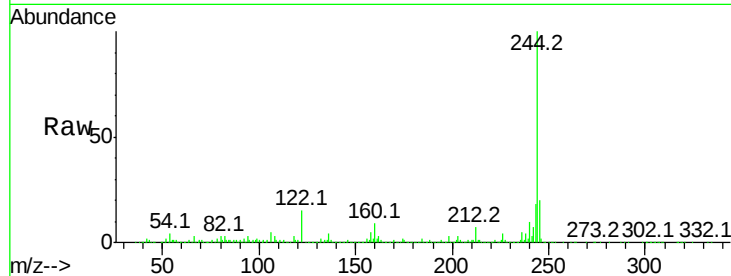
122 15.0 9.5 14.3#

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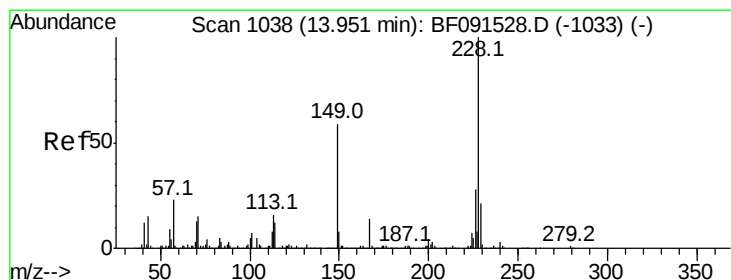
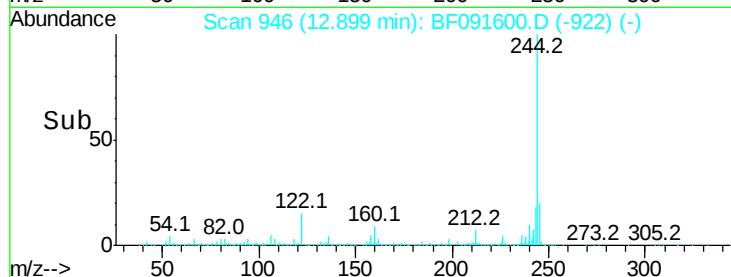
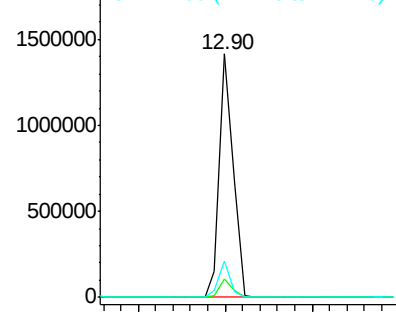
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 34.12 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF091600.D

Acq: 14 Dec 2016 22:36

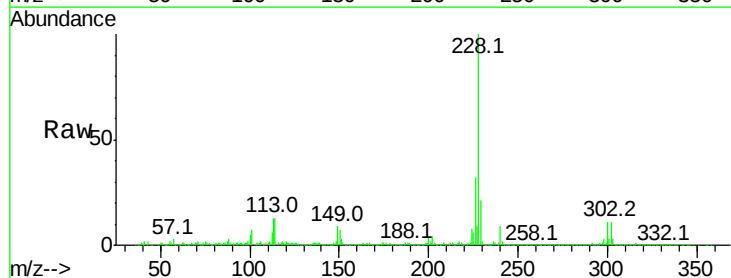
Tgt Ion:228 Resp: 1095405

Ion Ratio Lower Upper

228 100

226 31.7 22.5 33.7

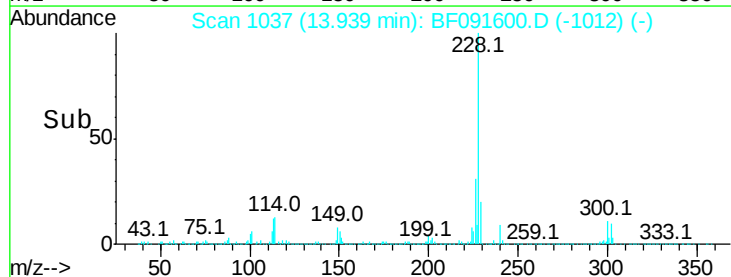
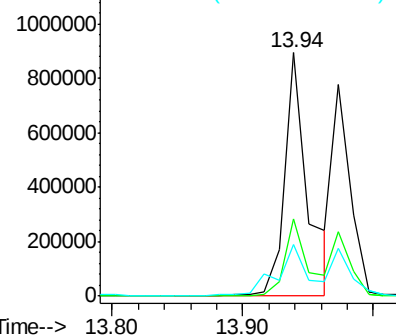
229 21.0 16.4 24.6

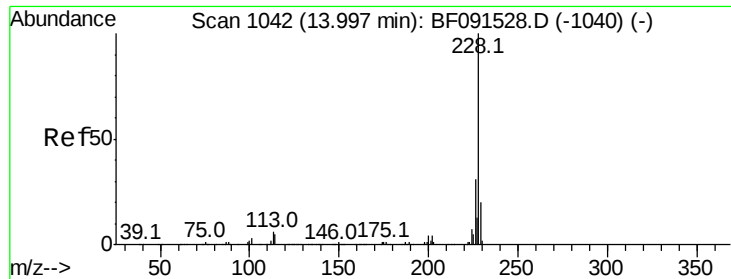


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 22.16 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.02 min

Lab File: BF091600.D

Acq: 14 Dec 2016 22:36

Instrument :

BNA_F

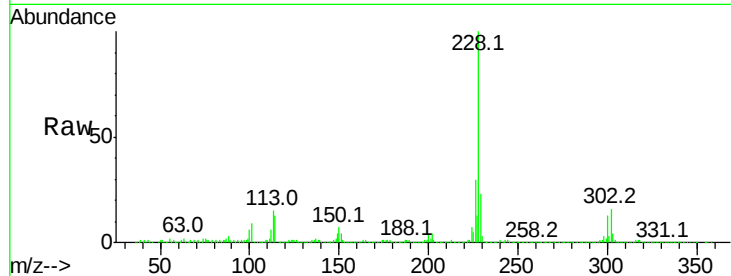
ClientSampled :

WC-4-0-5

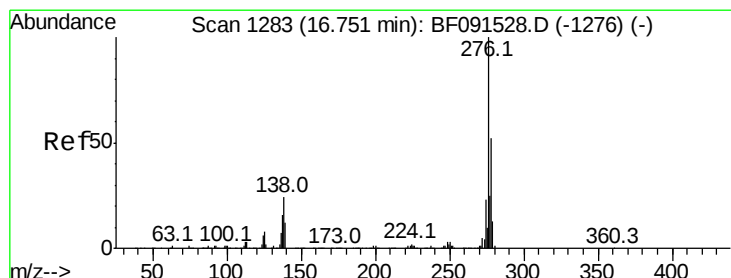
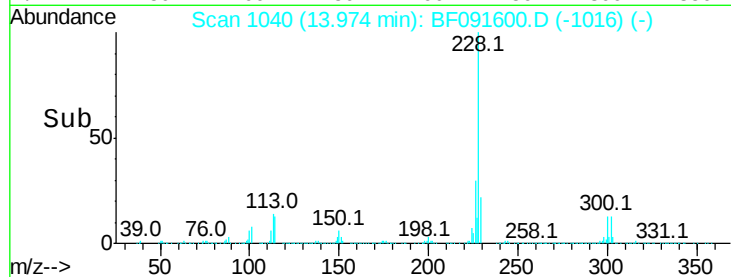
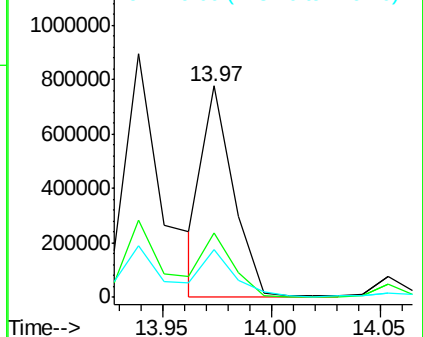
Tot Ion:	228	Resp:	744318
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.0	37.4
229	22.8	16.0	24.0

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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: 14.20 ng

RT: 16.73 min Scan# 1281

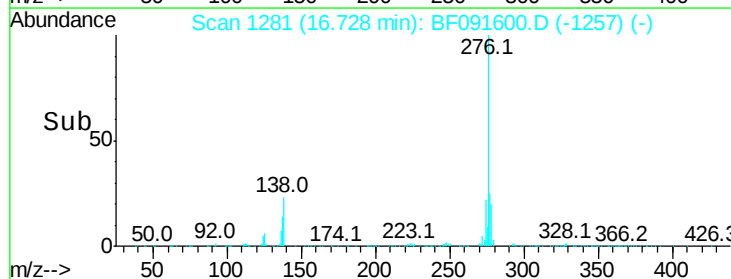
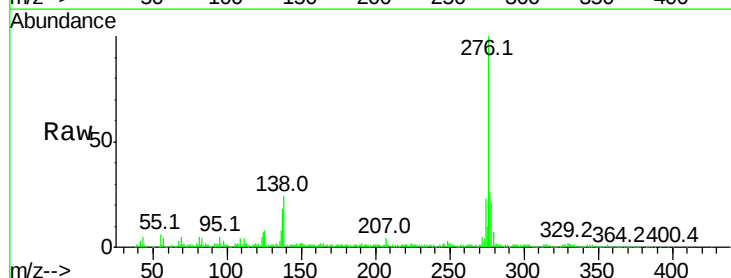
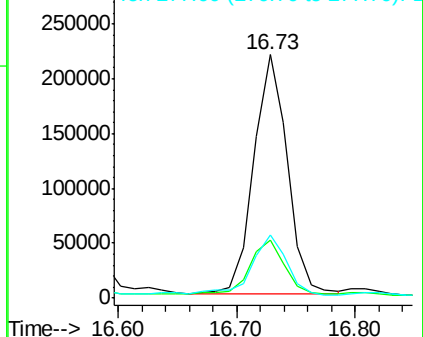
Delta R.T. -0.02 min

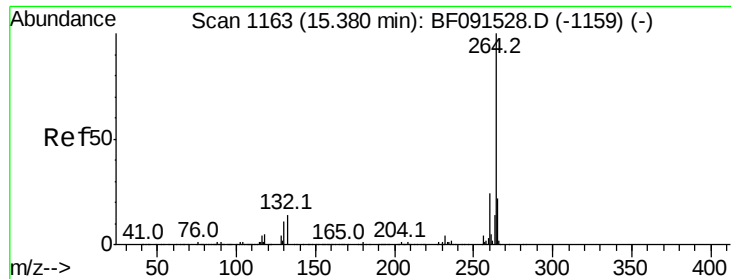
Lab File: BF091600.D

Acq: 14 Dec 2016 22:36

Tgt Ion:	276	Resp:	429237
Ion Ratio	Lower	Upper	
276	100		
138	24.1	21.0	31.4
277	27.9	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





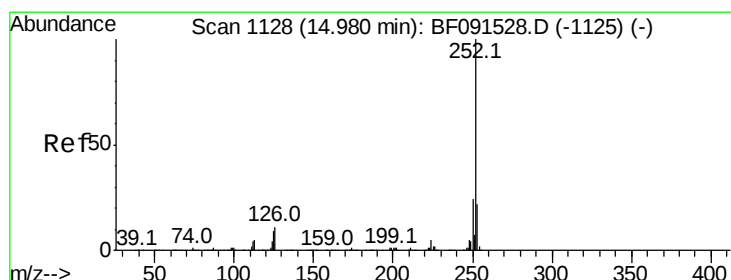
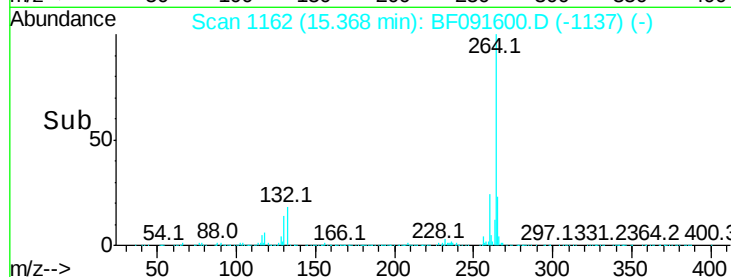
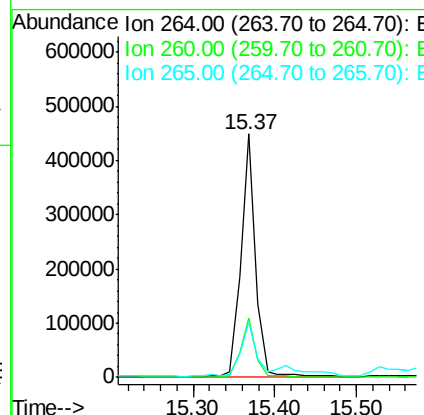
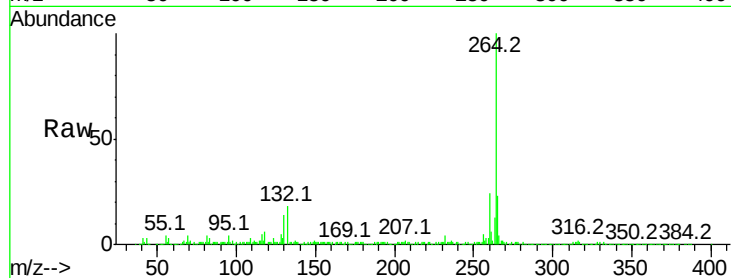
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BF091600.D
Acq: 14 Dec 2016 22:36

Instrument :
BNA_F
ClientSampleId :
WC-4-0-5

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.8	28.2
265	22.9	17.0	25.6

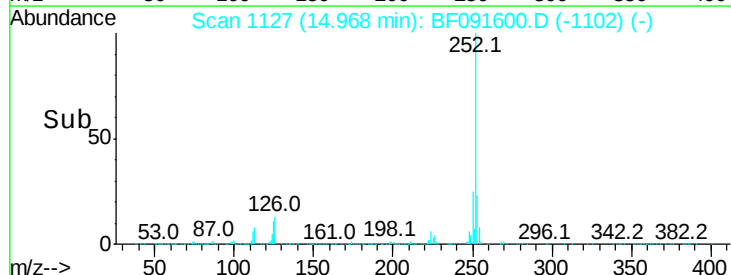
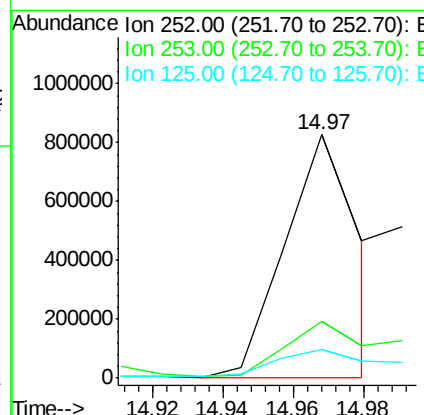
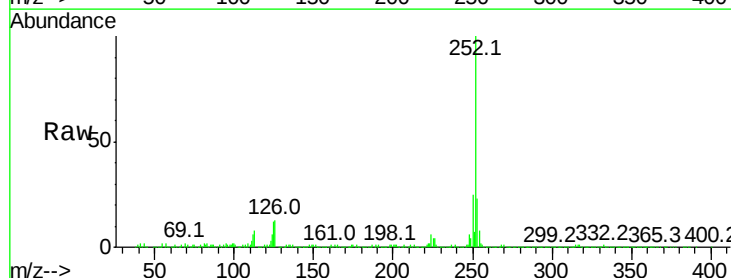
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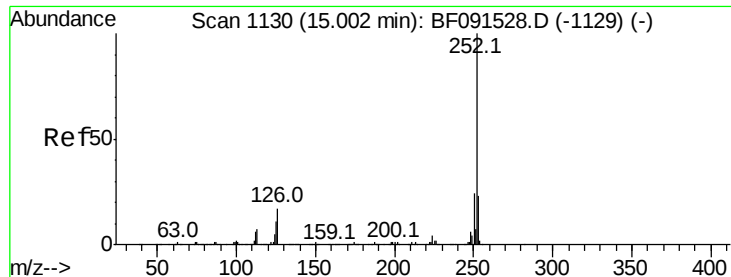
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#87
Benzo(b)fluoranthene
Concen: 36.07 ng m
RT: 14.97 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF091600.D
Acq: 14 Dec 2016 22:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	11.9	8.6	13.0





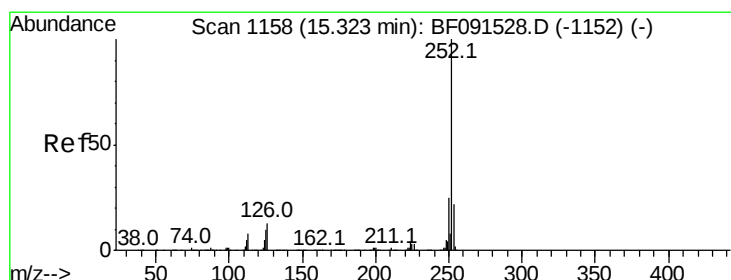
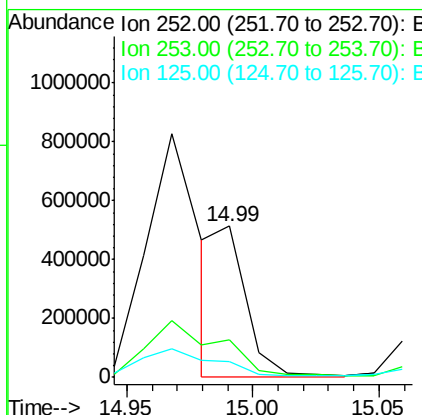
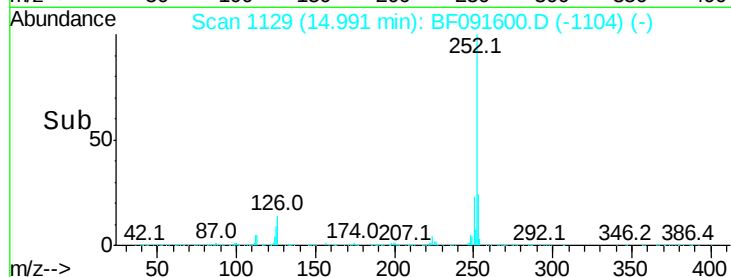
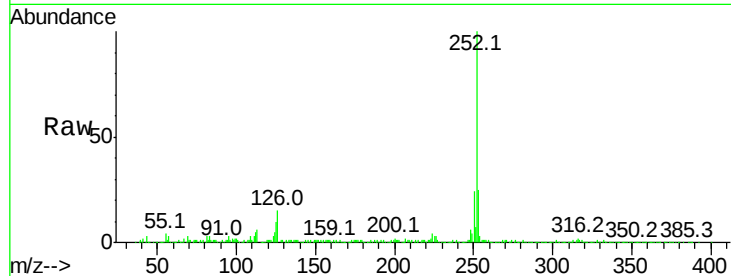
#88
Benzo(k)fluoranthene
Concen: 14.70 ng m
RT: 14.99 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF091600.D
Acq: 14 Dec 2016 22:36

Instrument :
BNA_F
ClientSampleId :
WC-4-0-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.8
125	10.0	9.6	14.4

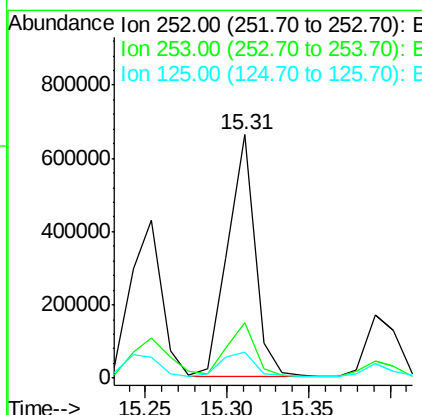
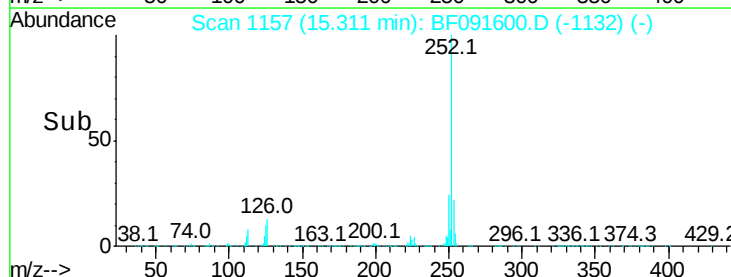
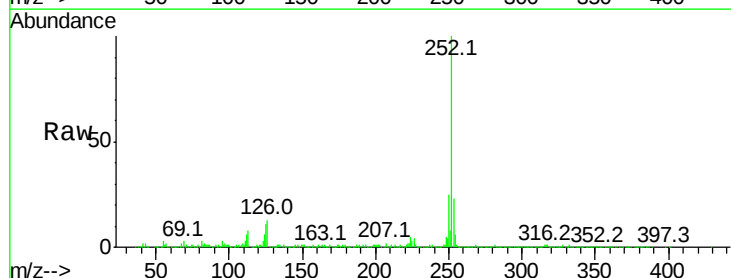
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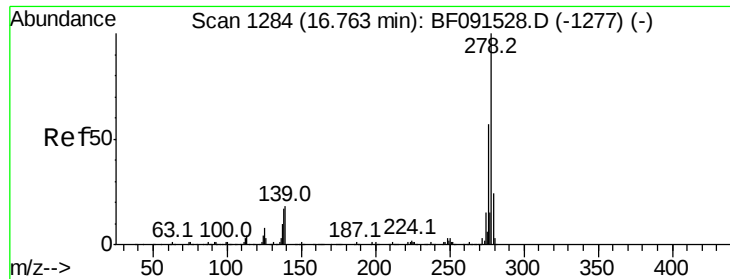
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#89
Benzo(a)pyrene
Concen: 25.33 ng
RT: 15.31 min Scan# 1157
Delta R.T. -0.01 min
Lab File: BF091600.D
Acq: 14 Dec 2016 22:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.4
125	10.8	10.4	15.6





#90

Dibenzo(a,h)anthracene

Concen: 4.22 ng

RT: 16.74 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF091600.D

Acq: 14 Dec 2016 22:36

Instrument :

BNA_F

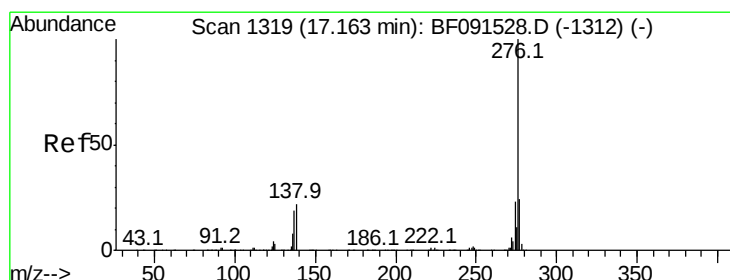
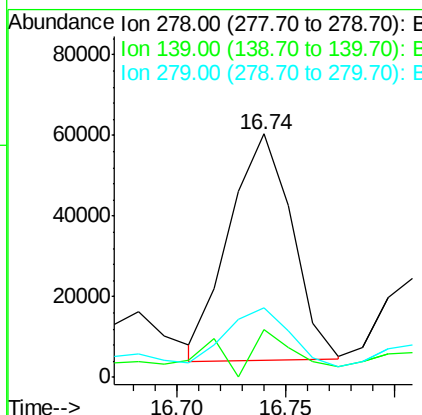
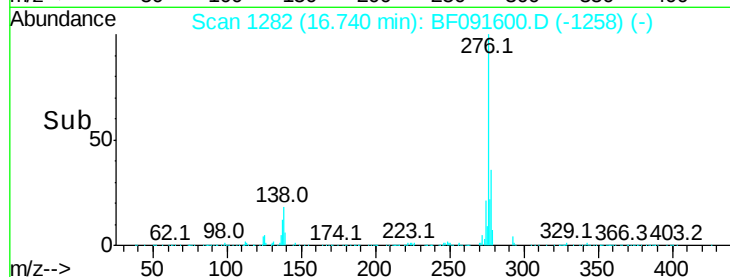
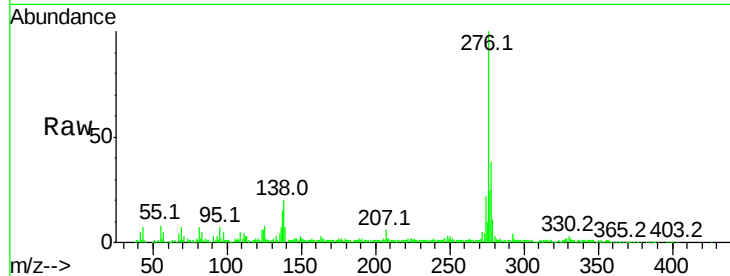
ClientSampleId :

WC-4-0-5

Tot Ion:	278	Resp:	112926
Ion Ratio	Lower	Upper	
278	100		
139	19.9	15.1	22.7
279	28.7	19.0	28.6#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 14.18 ng

RT: 17.14 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BF091600.D

Acq: 14 Dec 2016 22:36

Tgt Ion:	276	Resp:	386512
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.0	28.4
138	24.9	15.4	23.0#

