

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
 Data File : BF091607.D
 Acq On : 15 Dec 2016 1:48
 Operator : UM/SJ
 Sample : H6007-02 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Dec 15 06:50:09 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	314731	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	1156961	20.00	ng	-0.02
38) Acenaphthene-d10	9.84	164	588878	20.00	ng	-0.02
63) Phenanthrene-d10	11.31	188	745955	20.00	ng	-0.02
75) Chrysene-d12	13.95	240	632973	20.00	ng	-0.01
86) Perylene-d12	15.37	264	497843	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	24258	1.30	ng	-0.02
7) Phenol-d6	6.43	99	312024	13.40	ng	-0.02
23) Nitrobenzene-d5	7.36	82	311660	15.03	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	226	0.05	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	527288	15.47	ng	-0.02
78) Terphenyl-d14	12.90	244	366667	13.14	ng	-0.02
Target Compounds						Qvalue
70) Phenanthrene	11.33	178	82781	2.24	ng	98
73) Di-n-butylphthalate	11.88	149	241450	5.93	ng	99
74) Fluoranthene	12.52	202	179536	4.64	ng	97
77) Pyrene	12.75	202	180662	3.60	ng	98
80) Benzo(a)anthracene	13.94	228	92278	2.51	ng	95
82) Chrysene	13.97	228	93679m	2.44	ng	
87) Benzo(b)fluoranthene	14.96	252	115168m	3.88	ng	
89) Benzo(a)pyrene	15.30	252	61848	2.31	ng	# 83

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

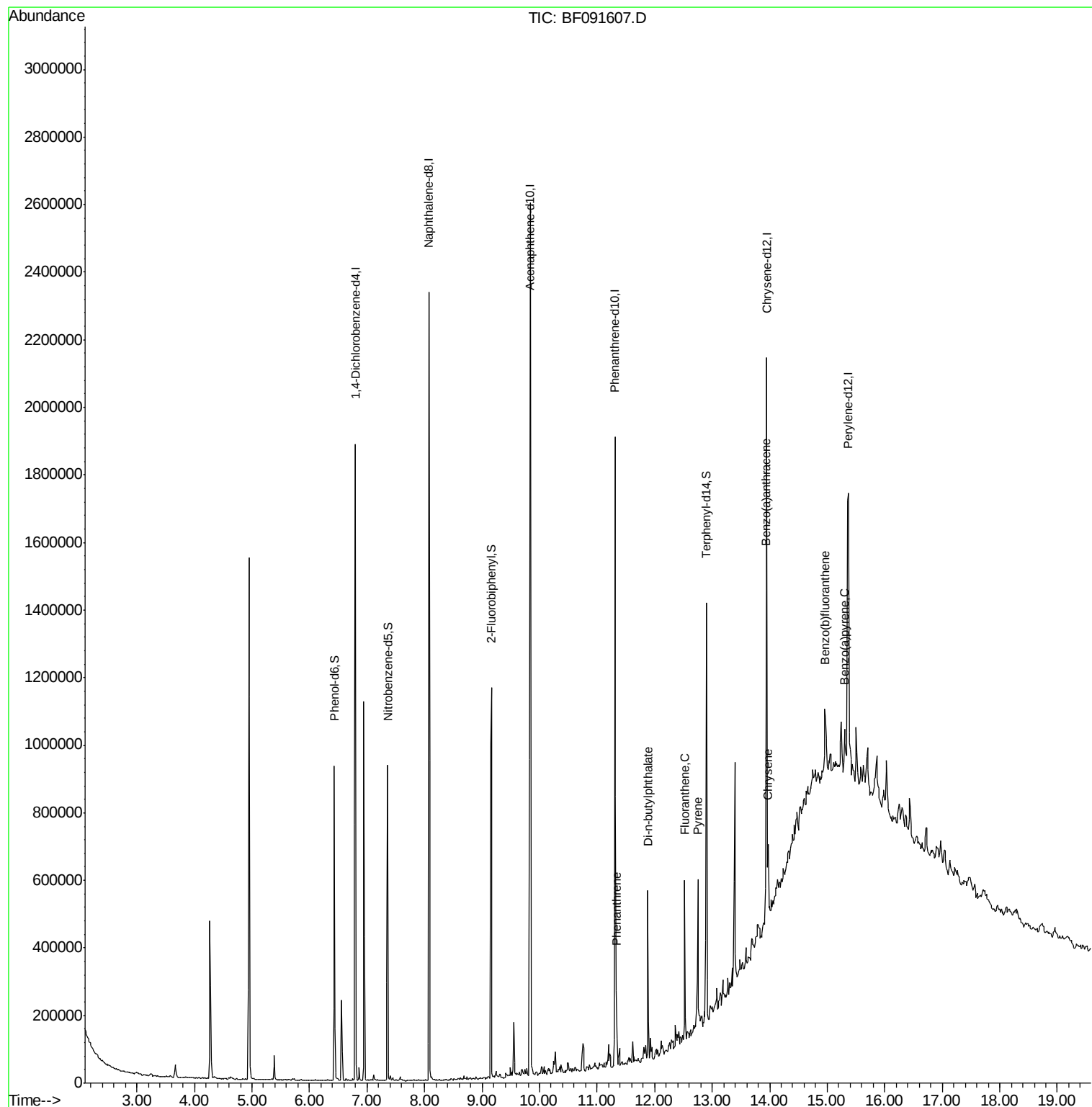
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
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Acq On : 15 Dec 2016 1:48
Operator : UM/SJ
Sample : H6007-02 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

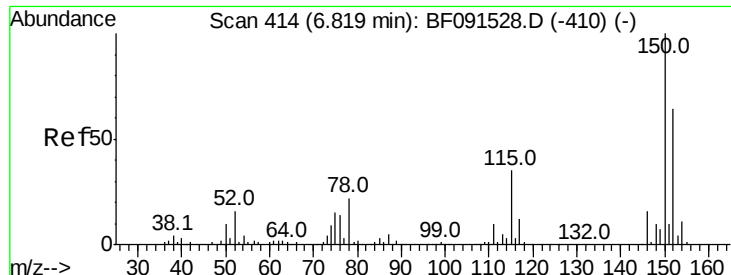
Instrument :
BNA_F
ClientSampleId :
WC-5-0-5

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Quant Time: Dec 15 06:50:09 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: BF091607.D

Acq: 15 Dec 2016 1:48

Instrument :

BNA_F

ClientSampleId :

WC-5-0-5

Tot Ion:152 Resp: 314731

Ion Ratio Lower Upper

152 100

150 150.0 122.5 183.7

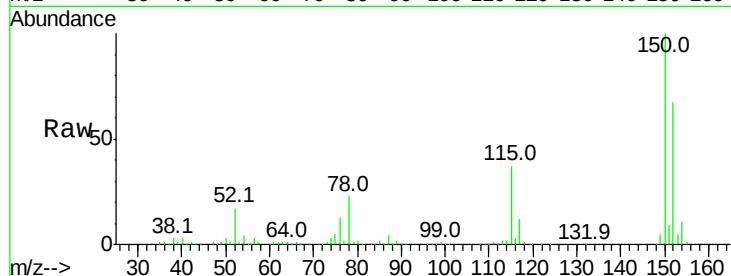
115 55.2 51.8 77.8

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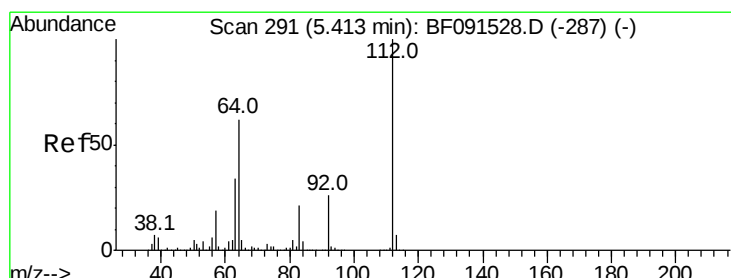
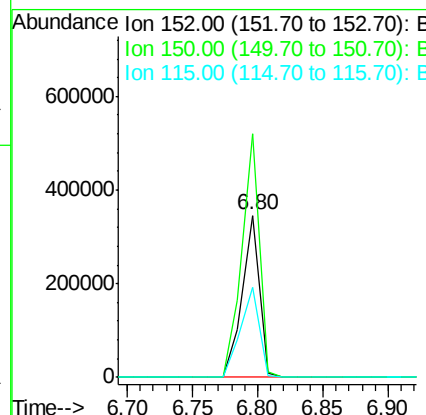
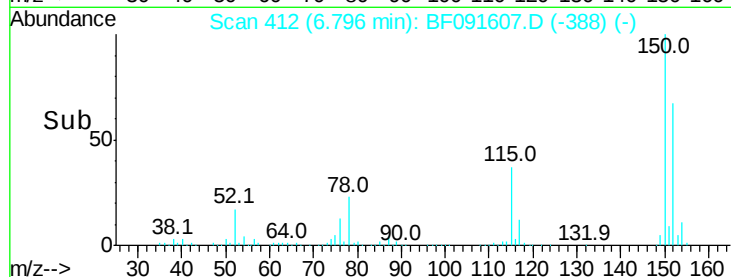
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 1.30 ng

RT: 5.39 min Scan# 289

Delta R.T. -0.02 min

Lab File: BF091607.D

Acq: 15 Dec 2016 1:48

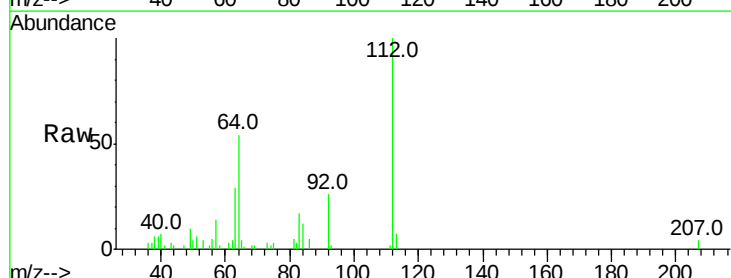
Tgt Ion:112 Resp: 24258

Ion Ratio Lower Upper

112 100

64 53.9 61.5 92.3#

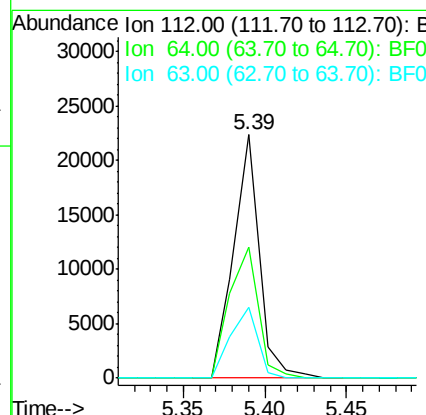
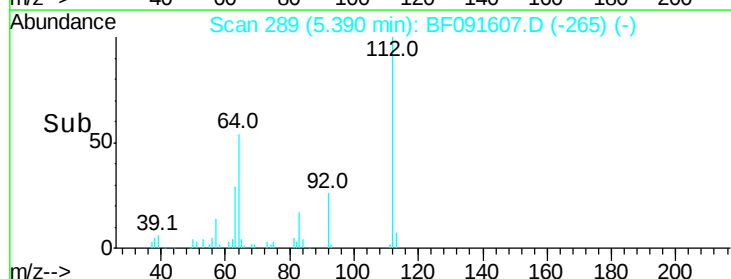
63 29.2 33.3 49.9#

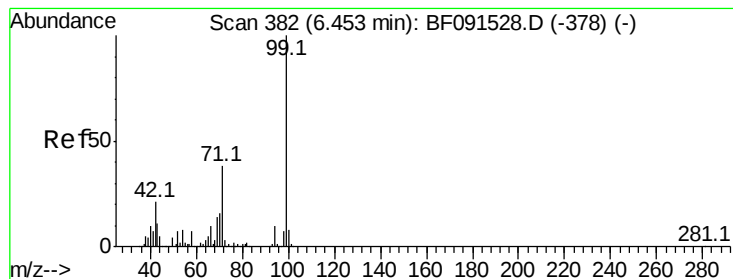


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 13.40 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.02 min

Lab File: BF091607.D

Acq: 15 Dec 2016 1:48

Instrument :

BNA_F

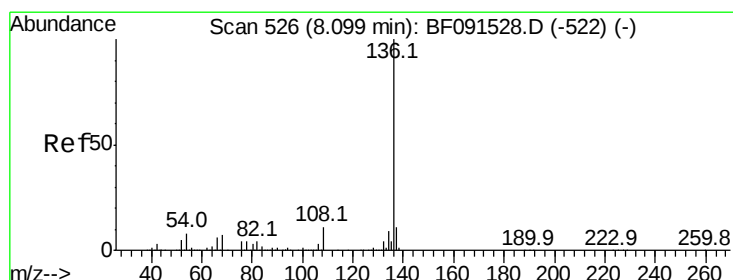
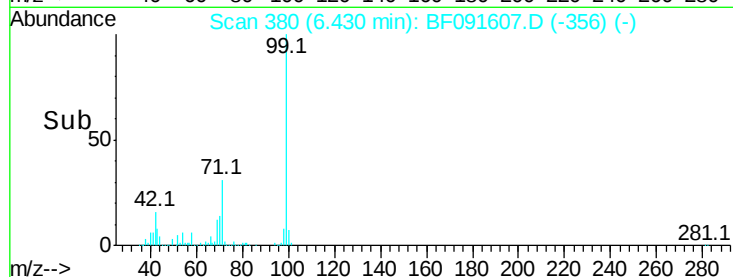
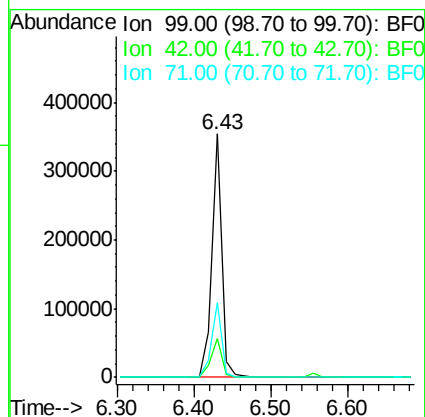
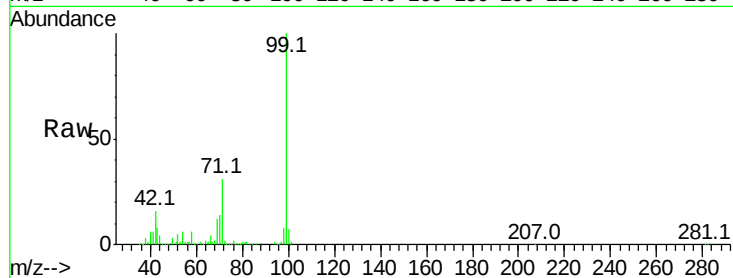
ClientSampleId :

WC-5-0-5

Tot Ion:	99	Resp:	312024
Ion Ratio	Lower	Upper	
99	100		
42	16.0	20.6	31.0#
71	30.6	29.9	44.9

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#21

Naphthalene-d8

Concen: 20.00 ng

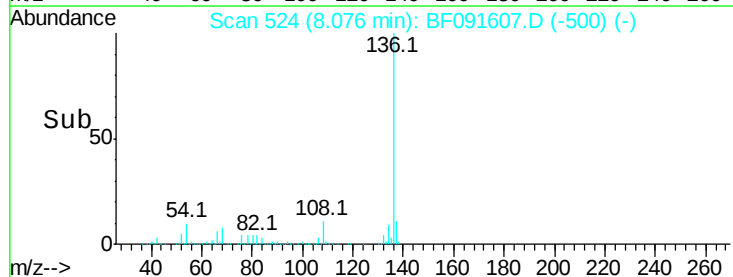
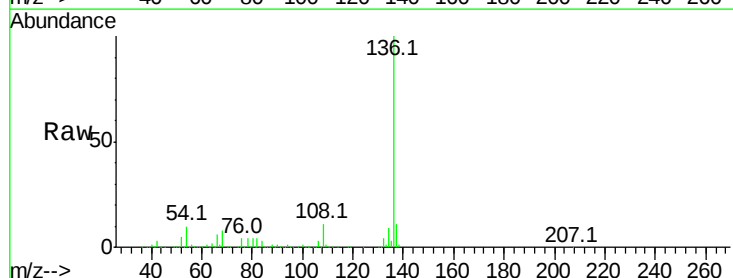
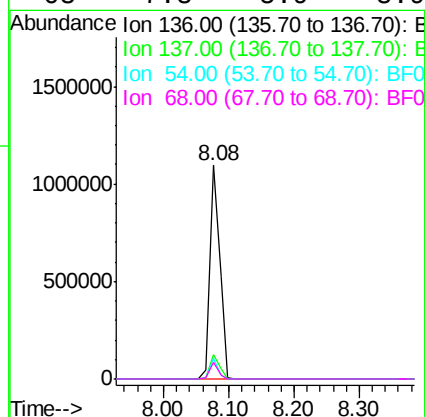
RT: 8.08 min Scan# 524

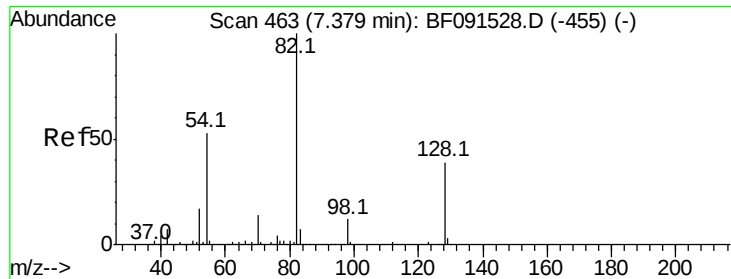
Delta R.T. -0.02 min

Lab File: BF091607.D

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Tgt Ion:	136	Resp:	1156961
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.1	13.7
54	9.7	9.1	13.7
68	7.8	5.9	8.9





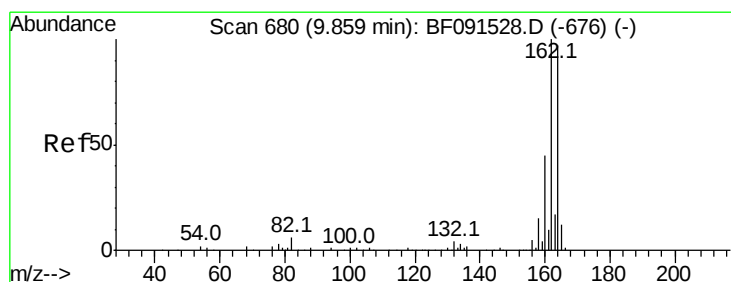
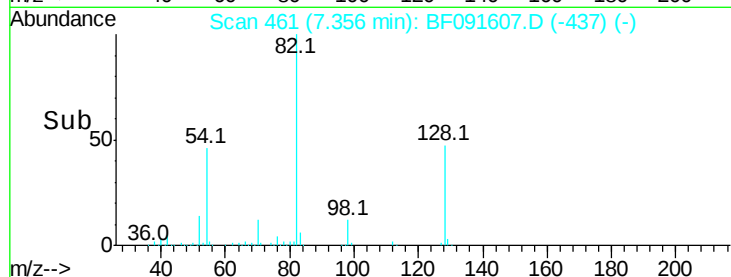
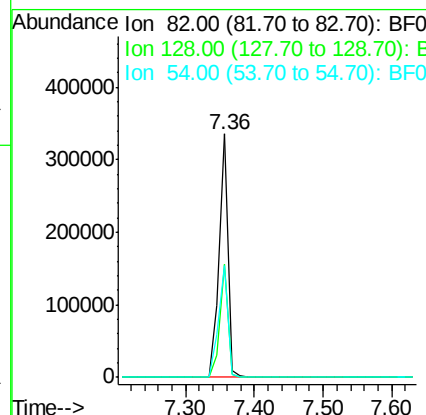
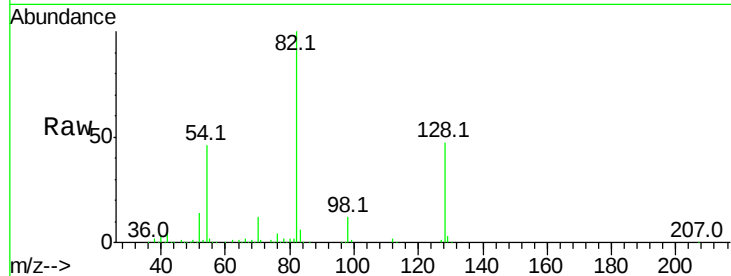
#23
 Nitrobenzene-d5
 Concen: 15.03 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.02 min
 Lab File: BF091607.D
 Acq: 15 Dec 2016 1:48

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.6	31.8	47.6	
54	46.0	49.1	73.7	

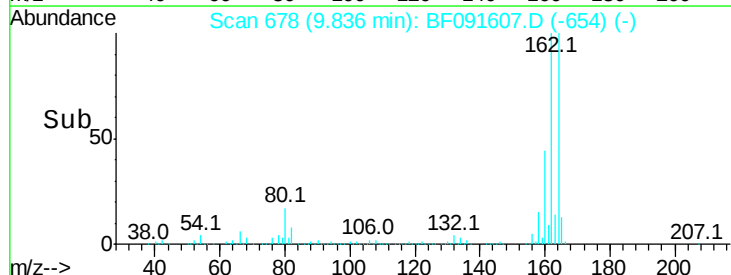
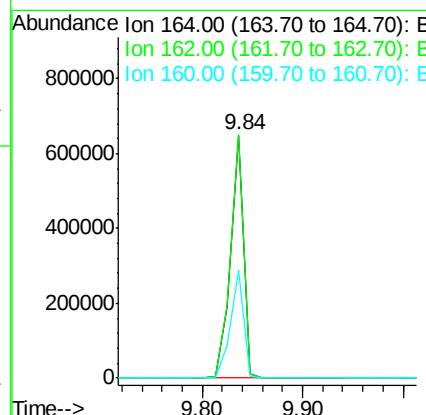
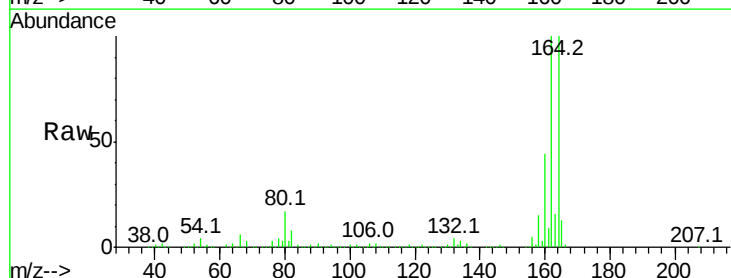
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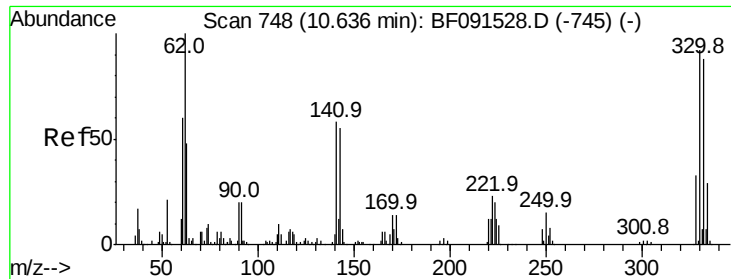
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.02 min
 Lab File: BF091607.D
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Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.2	82.6	124.0	
160	44.5	36.7	55.1	





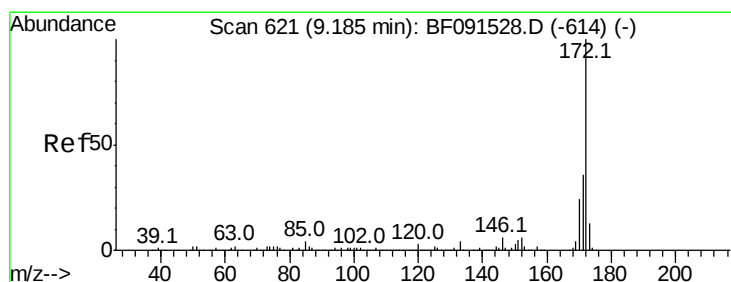
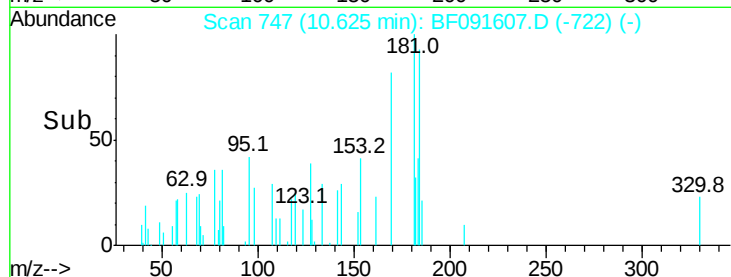
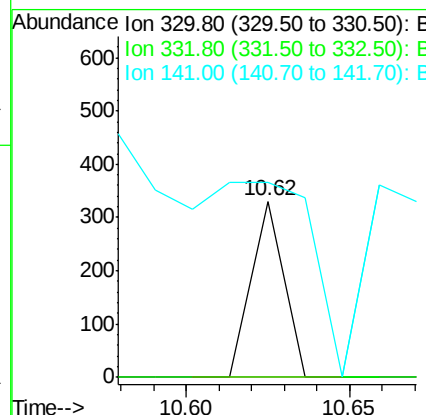
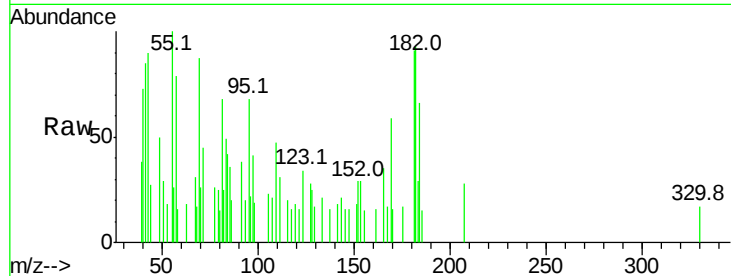
#41
 2,4,6-Tribromophenol
 Concen: 0.05 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF091607.D
 Acq: 15 Dec 2016 1:48

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	0.0	76.2	114.4#
141	0.0	33.6	50.4#

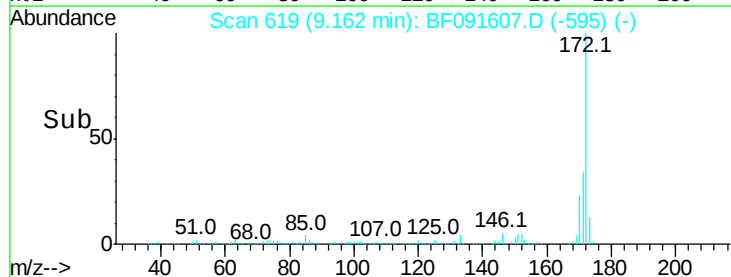
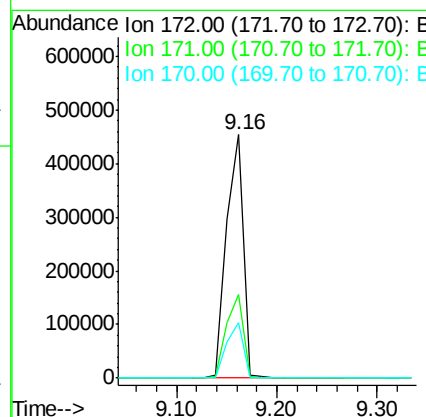
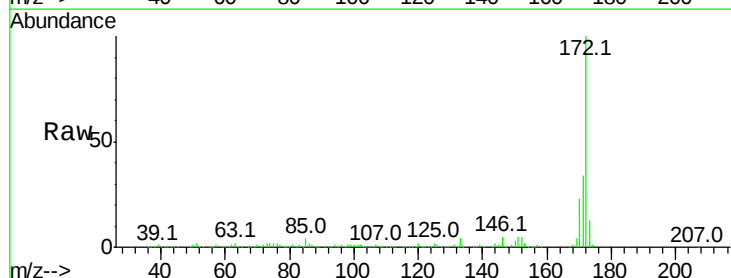
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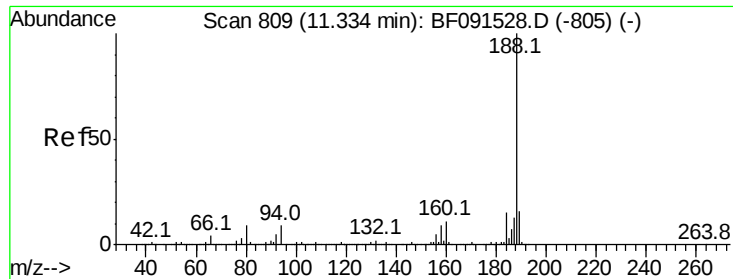
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#44
 2-Fluorobiphenyl
 Concen: 15.47 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.02 min
 Lab File: BF091607.D
 Acq: 15 Dec 2016 1:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	29.4	44.0
170	23.0	19.7	29.5





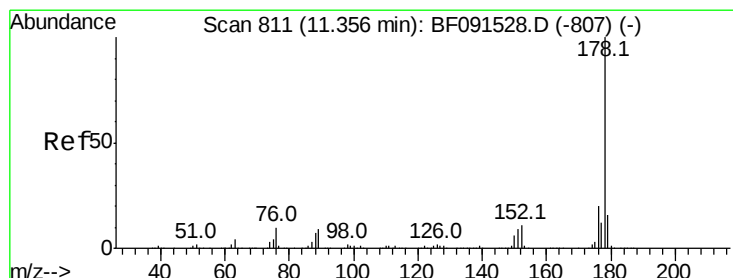
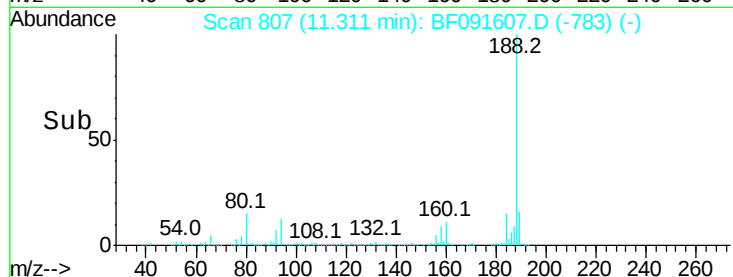
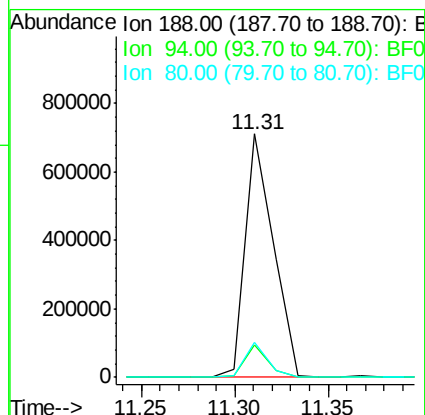
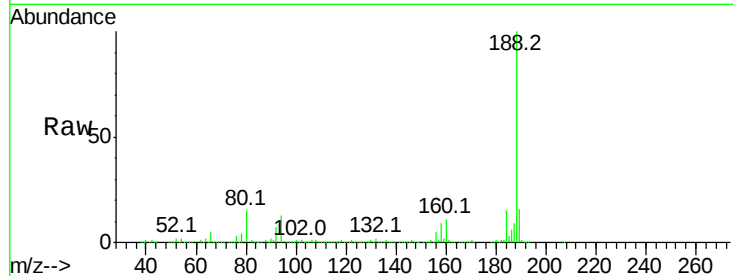
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.31 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF091607.D
Acq: 15 Dec 2016 1:48

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

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	13.2	9.2	13.8
80	14.5	10.5	15.7

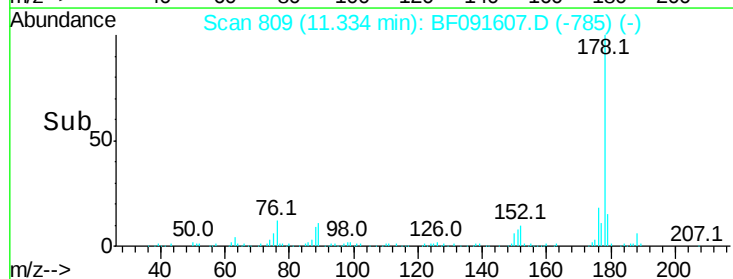
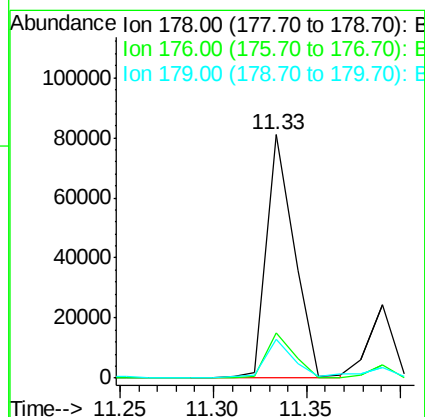
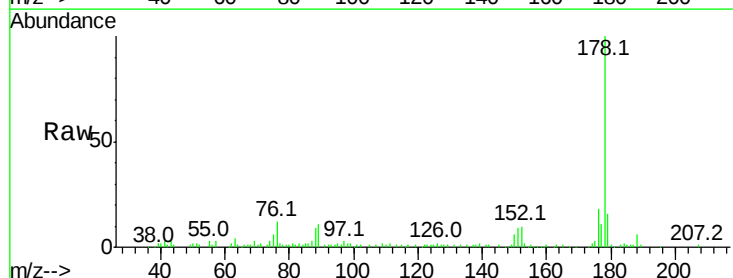
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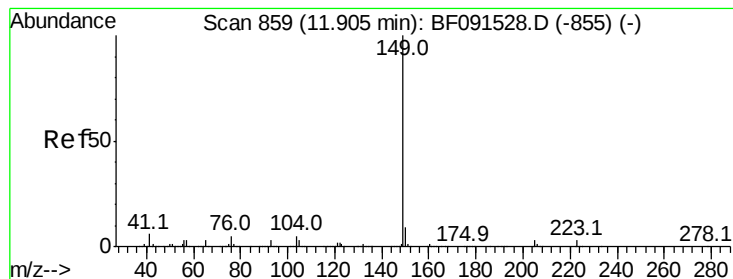
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#70
Phenanthrene
Concen: 2.24 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.02 min
Lab File: BF091607.D
Acq: 15 Dec 2016 1:48

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.5	15.9	23.9
179	15.9	12.6	18.8





#73

Di-n-butylphthalate

Concen: 5.93 ng

RT: 11.88 min Scan# 857

Delta R.T. -0.02 min

Lab File: BF091607.D

Acq: 15 Dec 2016 1:48

Instrument :

BNA_F

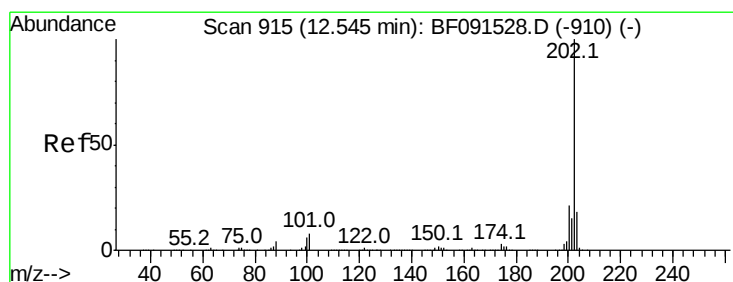
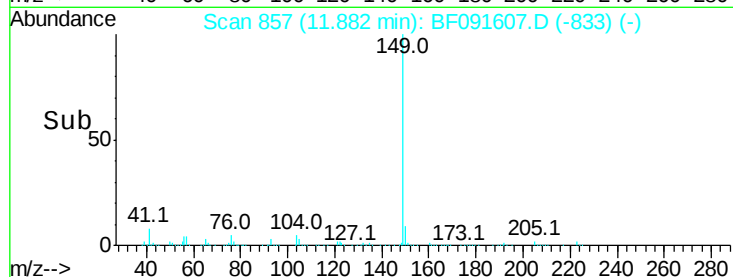
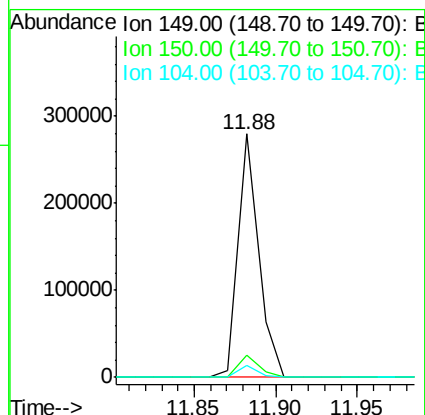
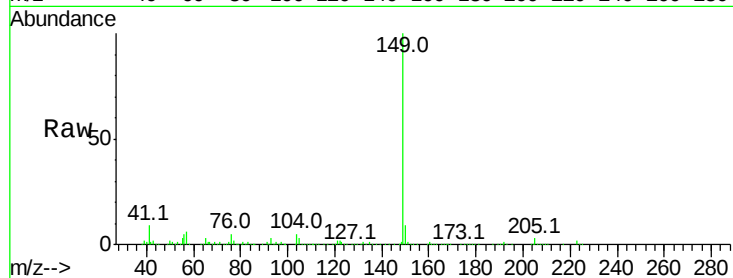
ClientSampleId :

WC-5-0-5

Tot Ion:	149	Resp:	241450
Ion Ratio	Lower	Upper	
149	100		
150	9.0	7.5	11.3
104	4.8	4.0	6.0

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#74

Fluoranthene

Concen: 4.64 ng

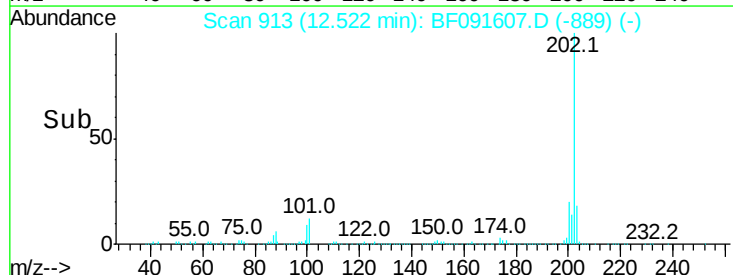
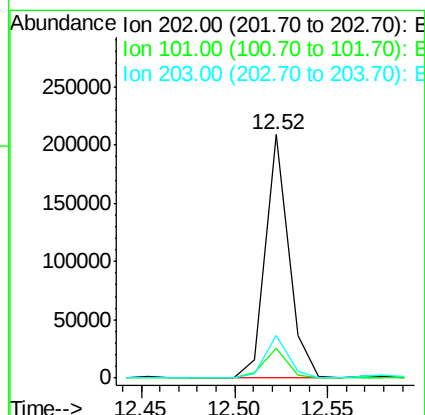
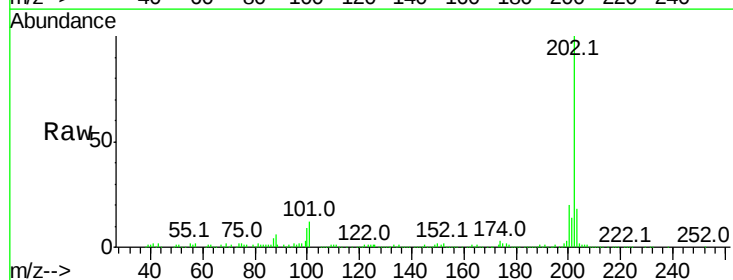
RT: 12.52 min Scan# 913

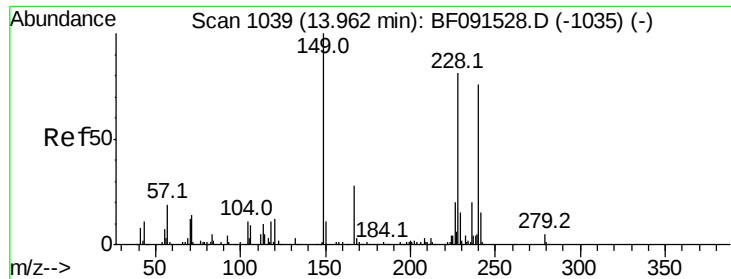
Delta R.T. -0.02 min

Lab File: BF091607.D

Acq: 15 Dec 2016 1:48

Tgt Ion:	202	Resp:	179536
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	29.5
203	17.8	0.0	37.8





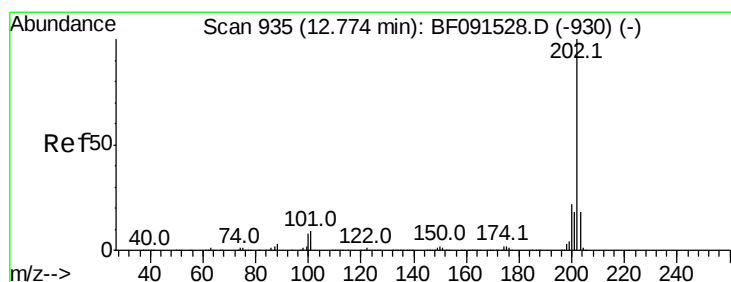
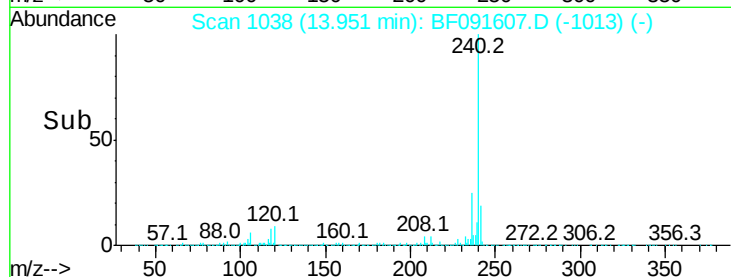
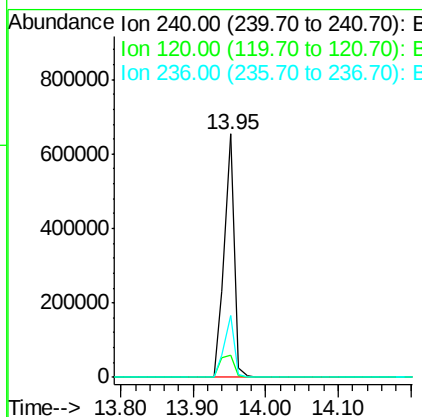
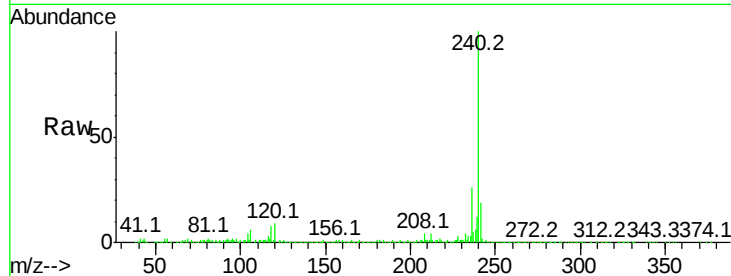
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF091607.D
Acq: 15 Dec 2016 1:48

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

Tot Ion:240 Resp: 632973
Ion Ratio Lower Upper
240 100
120 9.3 12.1 18.1#
236 25.6 21.0 31.6

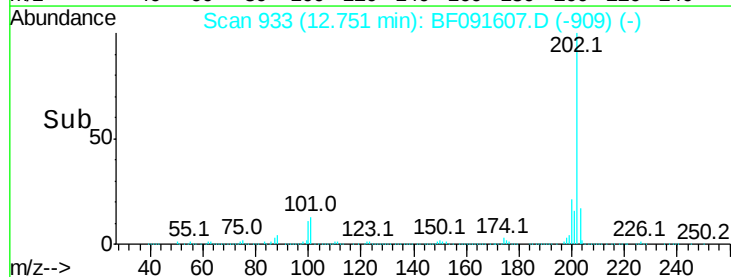
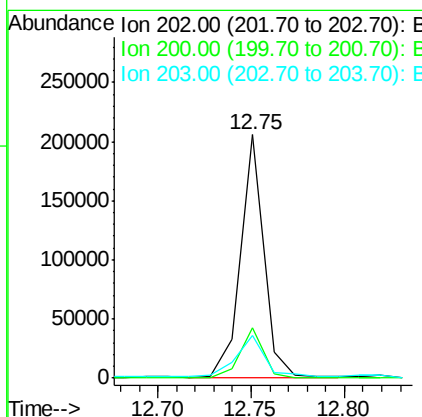
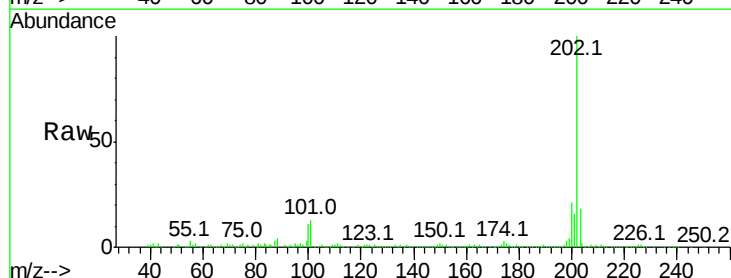
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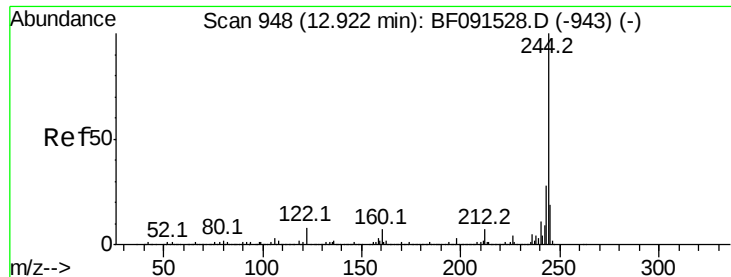
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#77
Pyrene
Concen: 3.60 ng
RT: 12.75 min Scan# 933
Delta R.T. -0.02 min
Lab File: BF091607.D
Acq: 15 Dec 2016 1:48

Tgt Ion:202 Resp: 180662
Ion Ratio Lower Upper
202 100
200 20.6 17.6 26.4
203 17.7 14.0 21.0





#78

Terphenyl-d14

Concen: 13.14 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.02 min

Lab File: BF091607.D

Acq: 15 Dec 2016 1:48

Instrument :

BNA_F

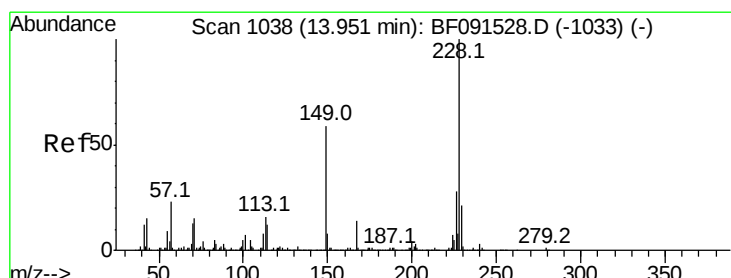
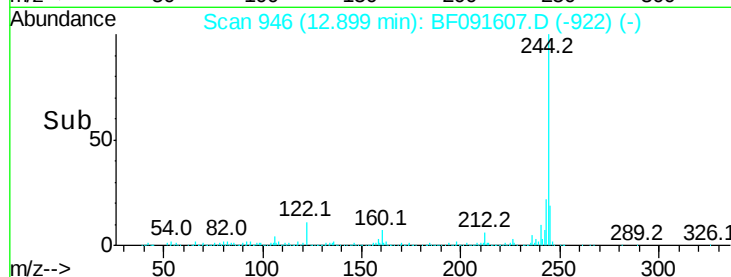
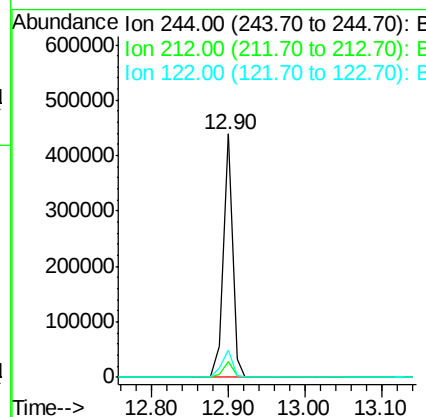
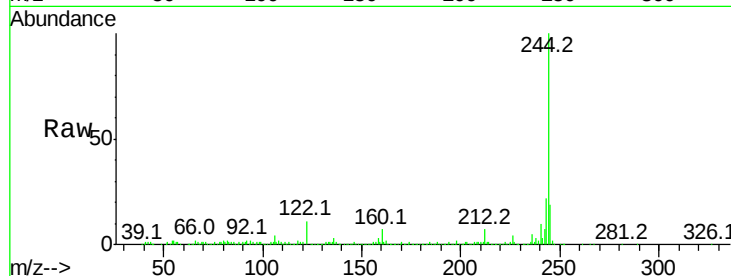
ClientSampled :

WC-5-0-5

Tot Ion:	244	Resp:	366667
Ion Ratio	Lower	Upper	
244	100		
212	6.6	6.5	9.7
122	11.0	9.5	14.3

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#80

Benzo(a)anthracene

Concen: 2.51 ng

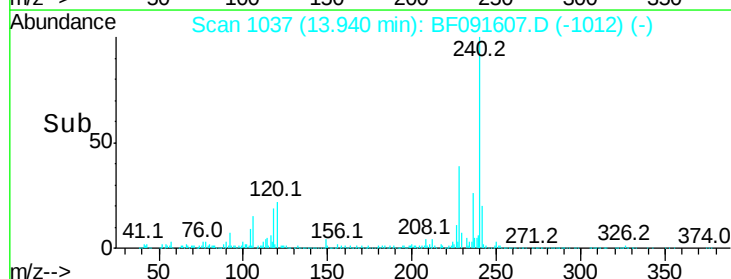
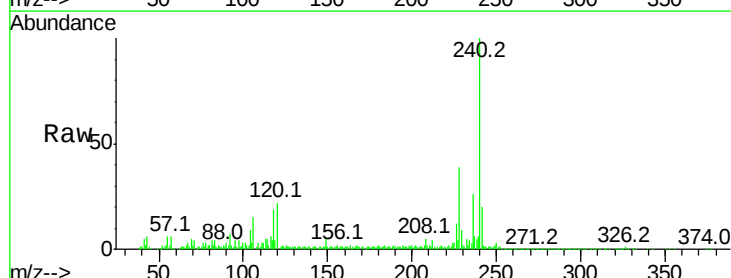
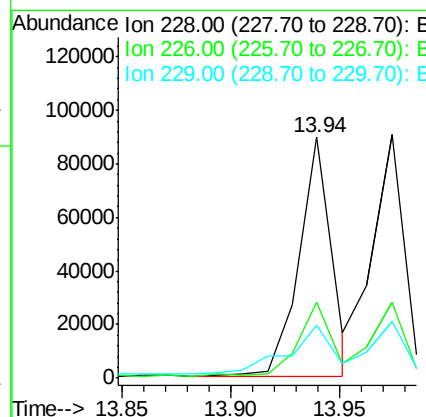
RT: 13.94 min Scan# 1037

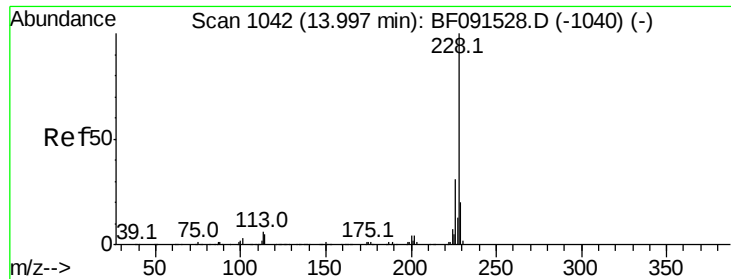
Delta R.T. -0.01 min

Lab File: BF091607.D

Acq: 15 Dec 2016 1:48

Tgt Ion:	228	Resp:	92278
Ion Ratio	Lower	Upper	
228	100		
226	31.3	22.5	33.7
229	22.1	16.4	24.6





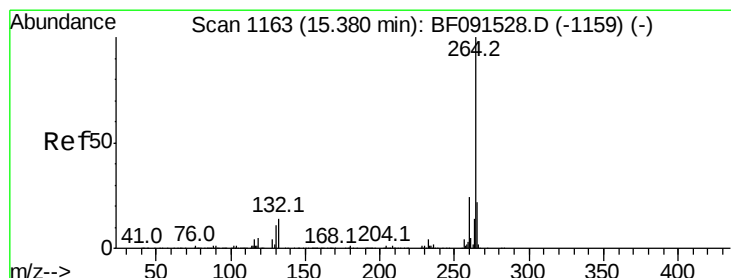
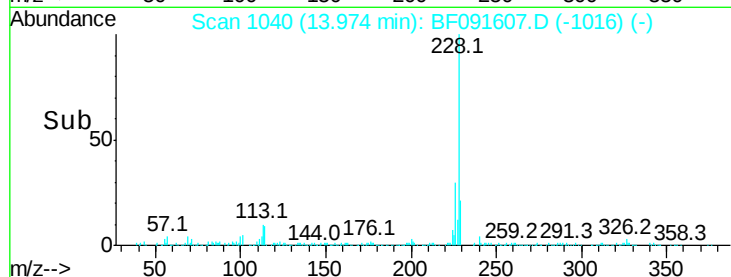
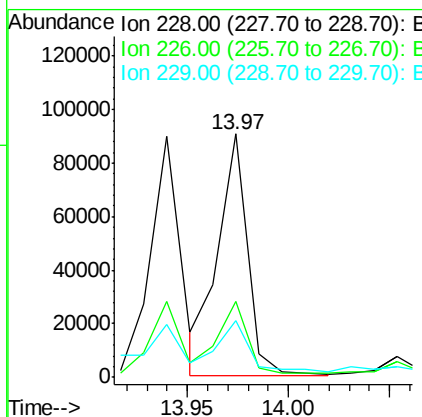
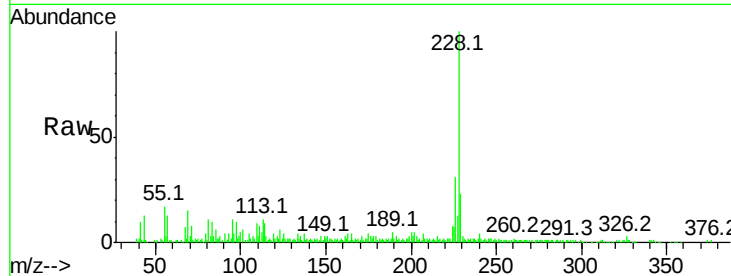
#82
Chrysene
Concen: 2.44 ng/ml
RT: 13.97 min Scan# 1040
Delta R.T. -0.02 min
Lab File: BF091607.D
Acq: 15 Dec 2016 1:48

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

Tot Ion:	228	Resp:	93679
Ion Ratio	Lower	Upper	
228	100		
226	31.2	25.0	37.4
229	23.1	16.0	24.0

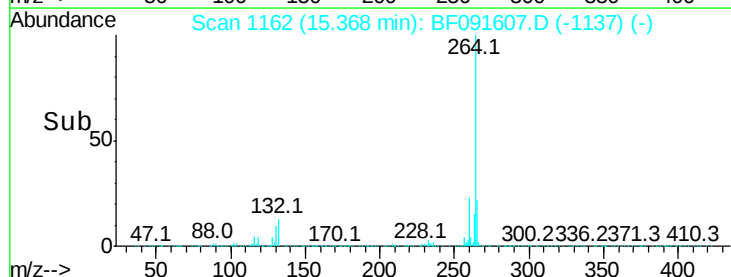
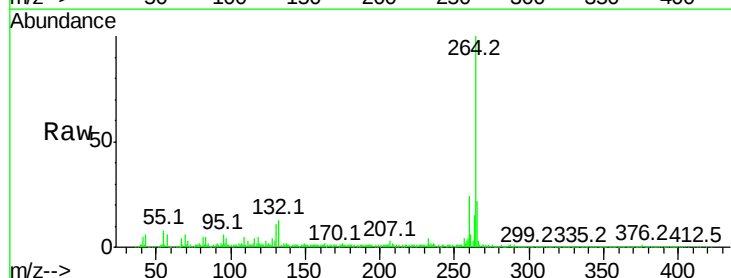
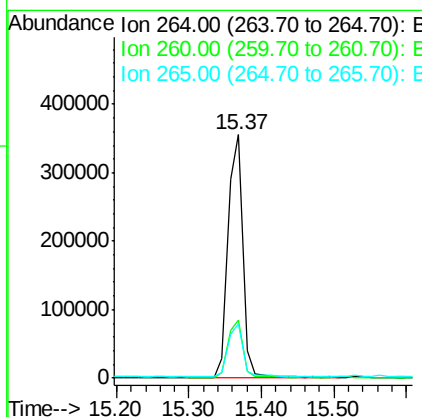
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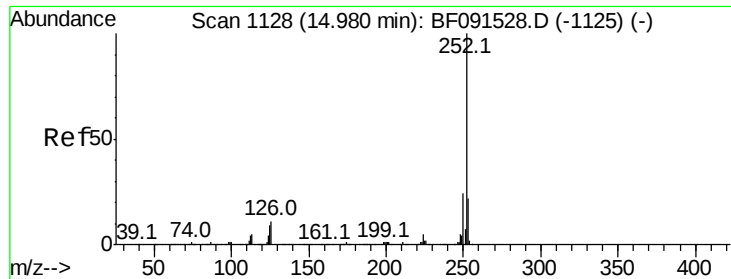
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BF091607.D
Acq: 15 Dec 2016 1:48

Tgt Ion:	264	Resp:	497843
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.8	28.2
265	22.3	17.0	25.6





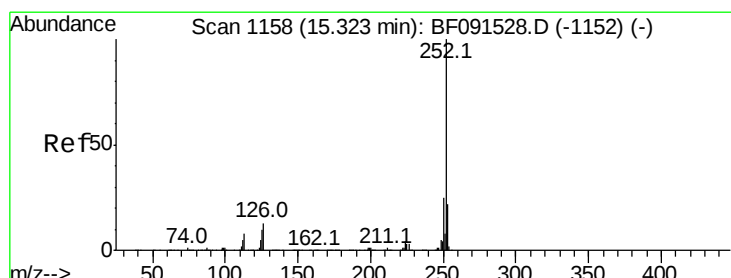
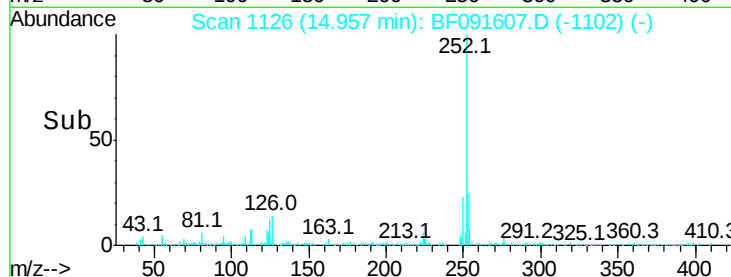
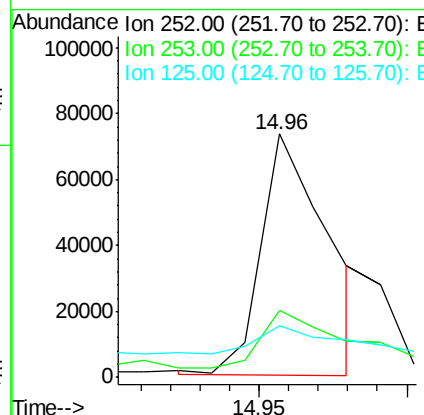
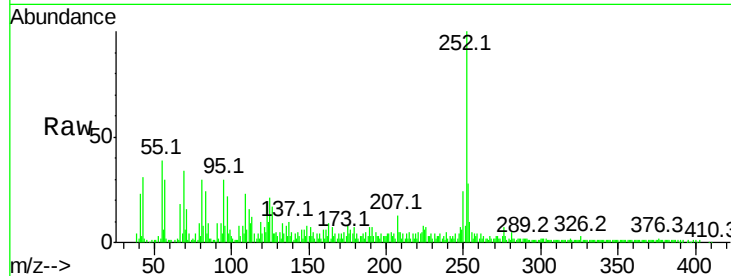
#87
Benzo(b)fluoranthene
Concen: 3.88 ng m
RT: 14.96 min Scan# 1126
Delta R.T. -0.02 min
Lab File: BF091607.D
Acq: 15 Dec 2016 1:48

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

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	27.7	18.2	27.2#
125	21.0	8.6	13.0#

Manual Integrations
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#89
Benzo(a)pyrene
Concen: 2.31 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.02 min
Lab File: BF091607.D
Acq: 15 Dec 2016 1:48

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	26.0	18.2	27.4
125	26.5	10.4	15.6#

