

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
 Data File : BF091604.D
 Acq On : 15 Dec 2016 00:26
 Operator : UM/SJ
 Sample : H6007-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-11-5-10

Manual Integrations
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Quant Time: Dec 15 02:23:07 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	289986	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	1025104	20.00	ng	-0.02
38) Acenaphthene-d10	9.84	164	477265	20.00	ng	-0.02
63) Phenanthrene-d10	11.31	188	619467	20.00	ng	-0.02
75) Chrysene-d12	13.95	240	625313	20.00	ng	-0.01
86) Perylene-d12	15.37	264	542617	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	790236	45.91	ng	-0.02
7) Phenol-d6	6.43	99	1189933	55.45	ng	-0.02
23) Nitrobenzene-d5	7.36	82	743643	40.49	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	368893	93.06	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	1773251	64.20	ng	-0.02
78) Terphenyl-d14	12.90	244	1322664	48.00	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.55	163	436917	14.46	ng	98
70) Phenanthrene	11.33	178	158676	5.17	ng	98
74) Fluoranthene	12.52	202	329153	10.25	ng	97
77) Pyrene	12.75	202	300796	6.06	ng	98
80) Benzo(a)anthracene	13.94	228	159291	4.39	ng	97
82) Chrysene	13.97	228	165817m	4.36	ng	
85) Indeno(1,2,3-cd)pyrene	16.72	276	70405	2.06	ng	96
87) Benzo(b)fluoranthene	14.96	252	176089m	5.44	ng	
88) Benzo(k)fluoranthene	14.97	252	92570m	3.25	ng	
89) Benzo(a)pyrene	15.30	252	128499	4.41	ng	# 92
91) Benzo(a,h,i)perylene	17.13	276	61263	2.31	ng	# 93

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

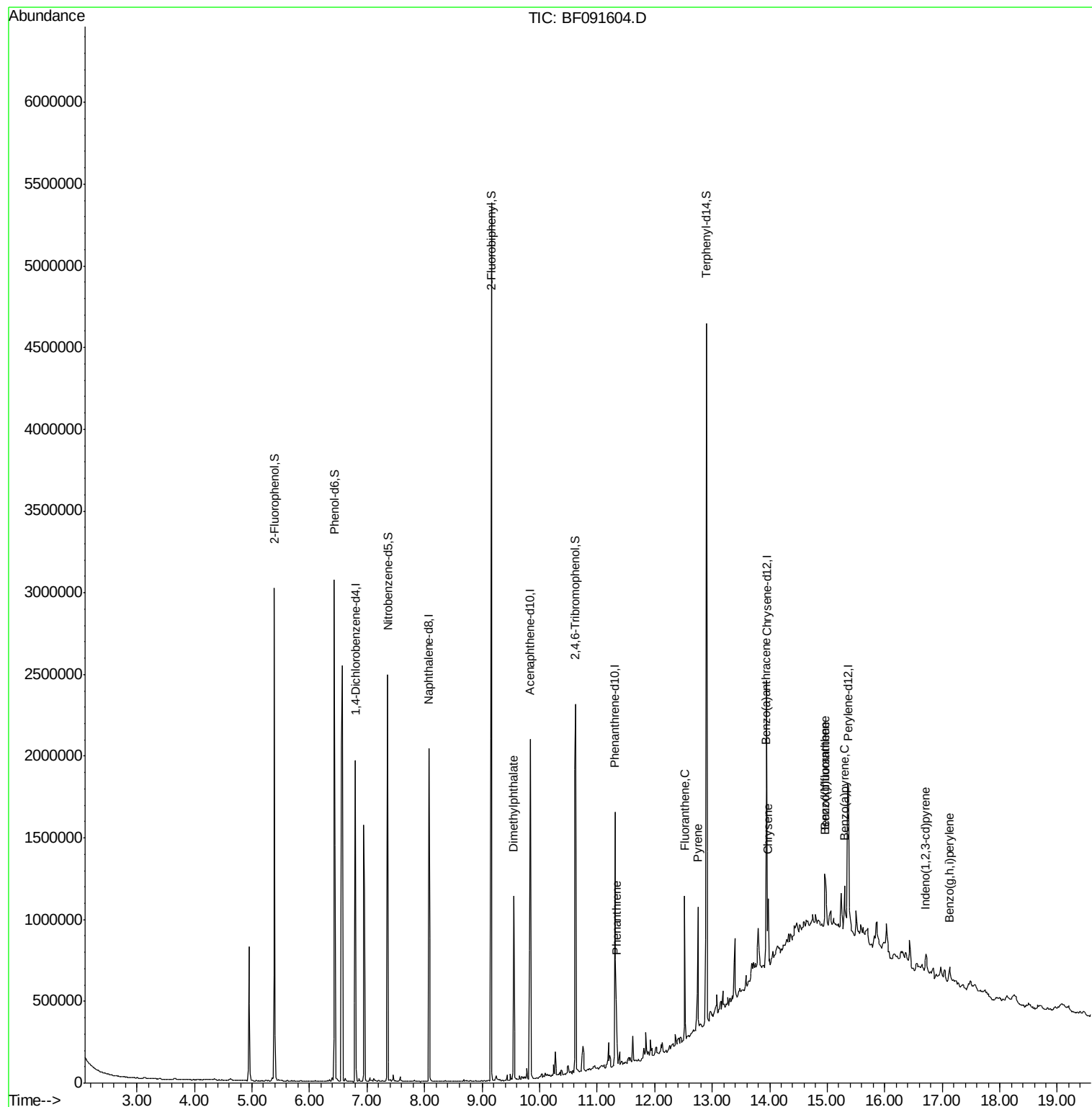
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
Data File : BF091604.D
Acq On : 15 Dec 2016 00:26
Operator : UM/SJ
Sample : H6007-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

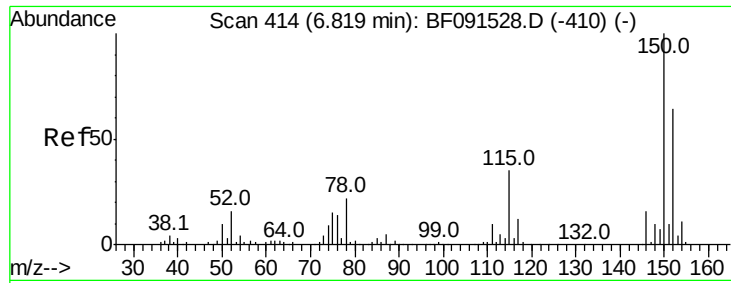
Instrument :
BNA_F
ClientSampleId :
WC-11-5-10

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#1

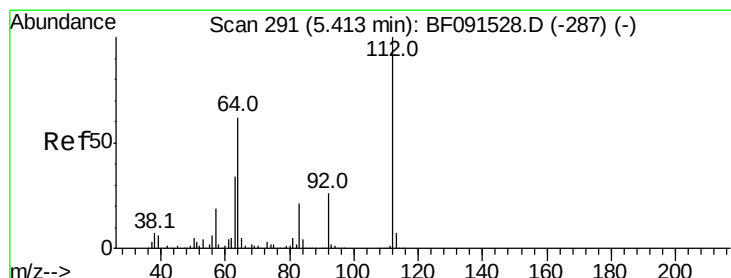
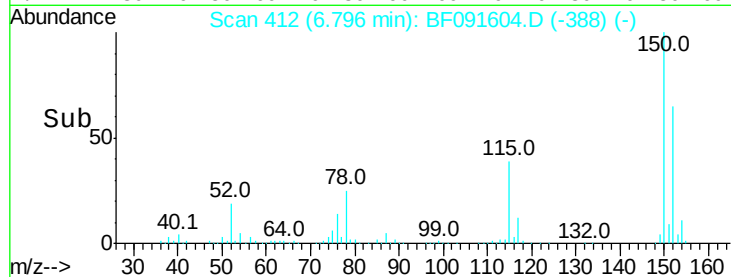
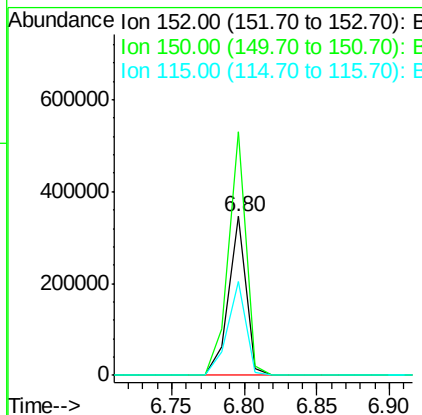
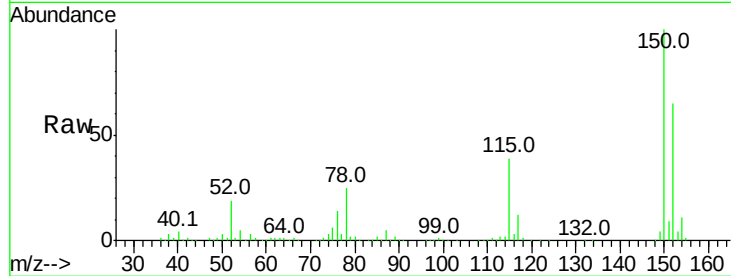
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 412
 Delta R.T. -0.02 min
 Lab File: BF091604.D
 Acq: 15 Dec 2016 00:26

Instrument :
 BNA_F
 ClientSampleId :
 WC-11-5-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	122.5	183.7
115	59.3	51.8	77.8

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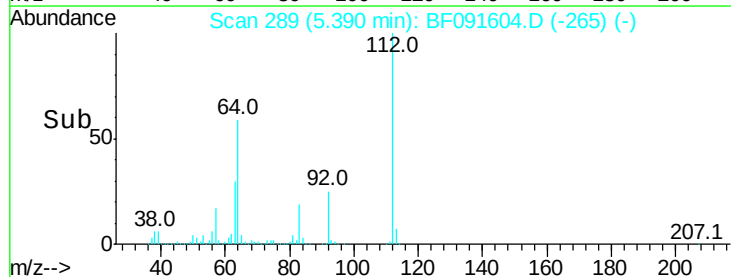
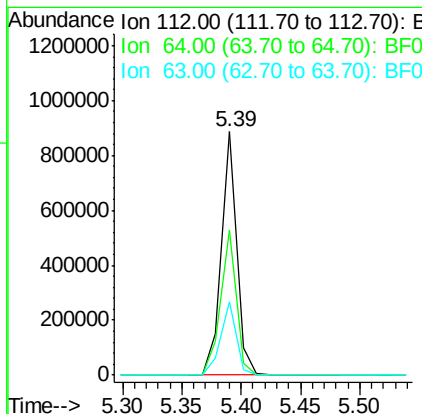
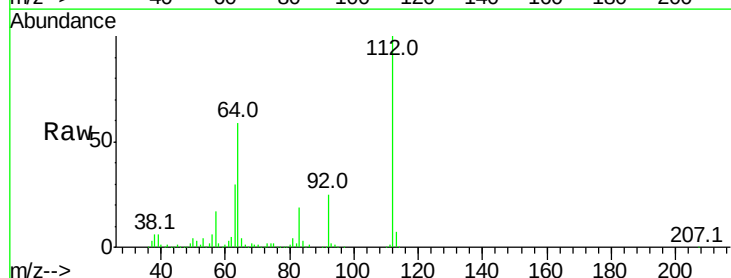
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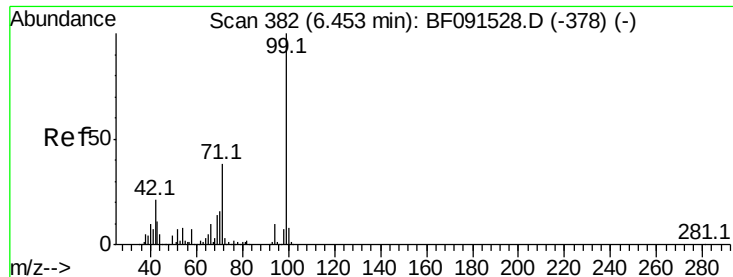


#5

2-Fluorophenol
 Concen: 45.91 ng
 RT: 5.39 min Scan# 289
 Delta R.T. -0.02 min
 Lab File: BF091604.D
 Acq: 15 Dec 2016 00:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	61.5	92.3#
63	29.9	33.3	49.9#





#7

Phenol-d6

Concen: 55.45 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.02 min

Lab File: BF091604.D

Acq: 15 Dec 2016 00:26

Instrument :

BNA_F

ClientSampleId :

WC-11-5-10

Tot Ion: 99 Resp: 1189933

Ion Ratio Lower Upper

99 100

42 20.0 20.6 31.0#

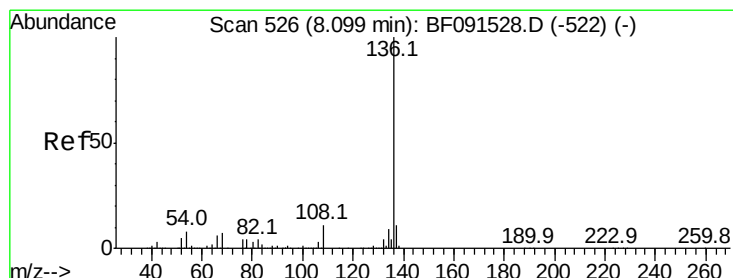
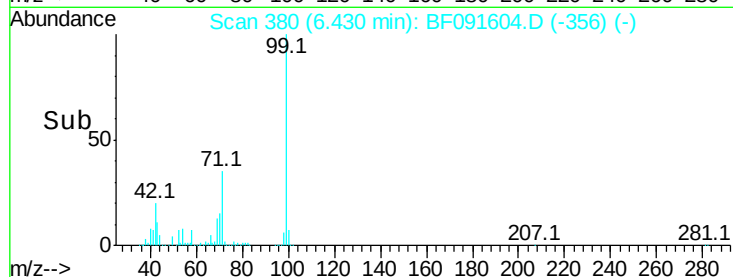
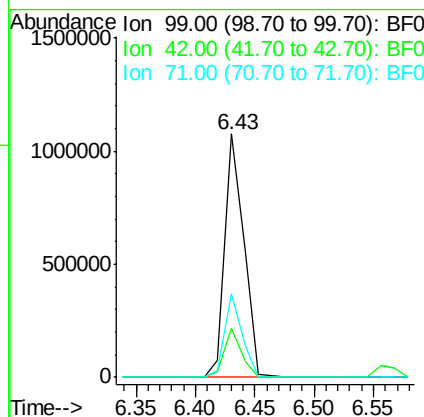
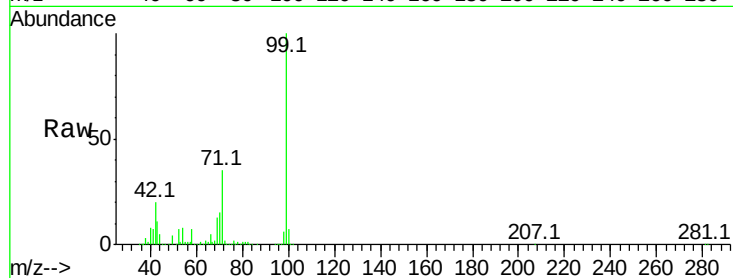
71 34.6 29.9 44.9

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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: BF091604.D

Acq: 15 Dec 2016 00:26

Tgt Ion: 136 Resp: 1025104

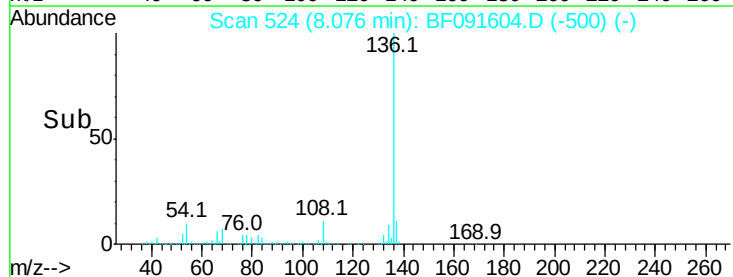
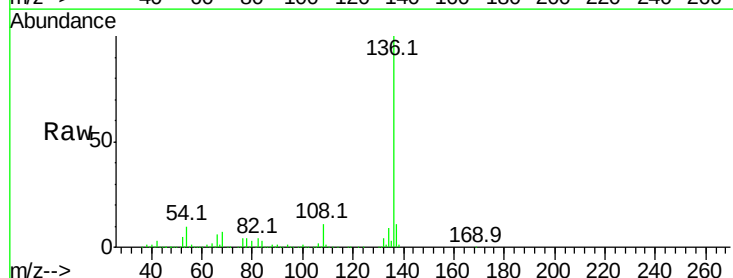
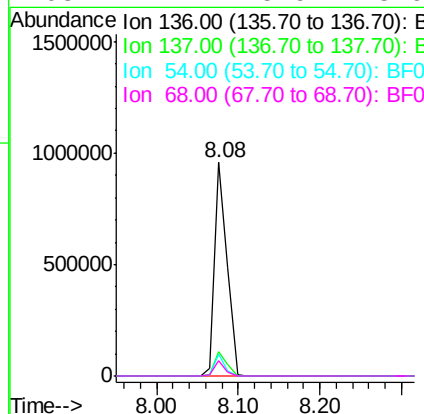
Ion Ratio Lower Upper

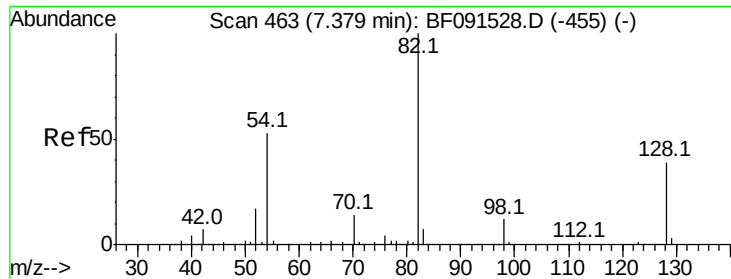
136 100

137 11.2 9.1 13.7

54 10.2 9.1 13.7

68 7.4 5.9 8.9





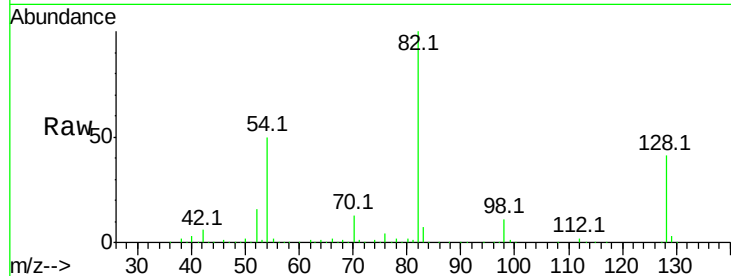
#23
 Nitrobenzene-d5
 Concen: 40.49 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.02 min
 Lab File: BF091604.D
 Acq: 15 Dec 2016 00:26

Instrument :
 BNA_F
 ClientSampleId :
 WC-11-5-10

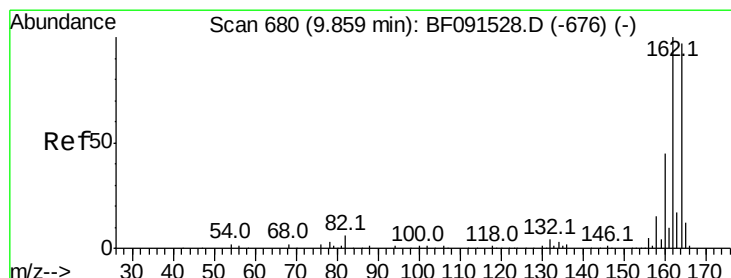
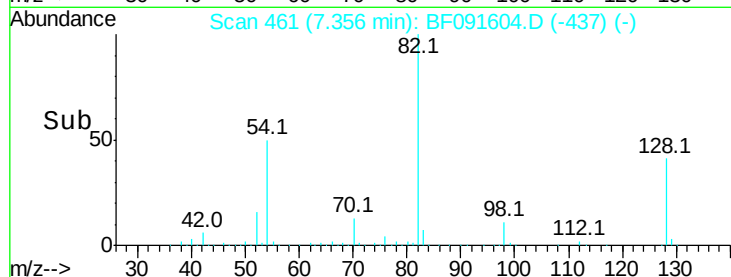
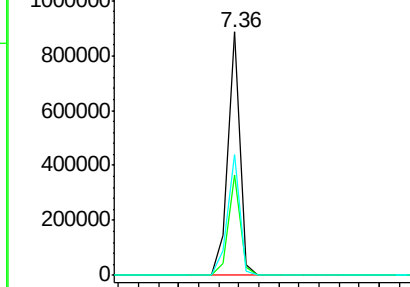
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.2	31.8	47.6
54	49.6	49.1	73.7

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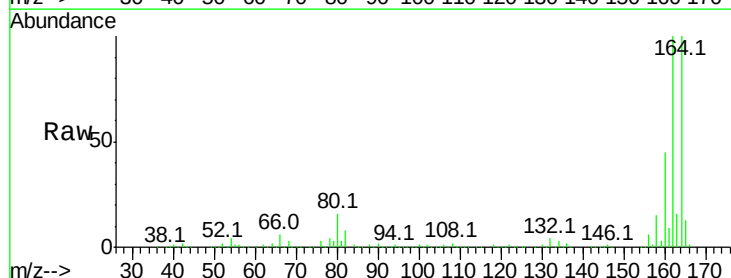


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

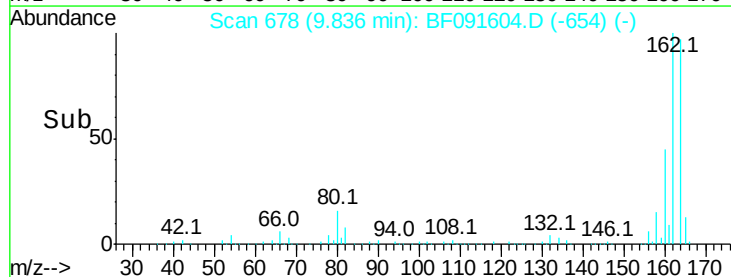
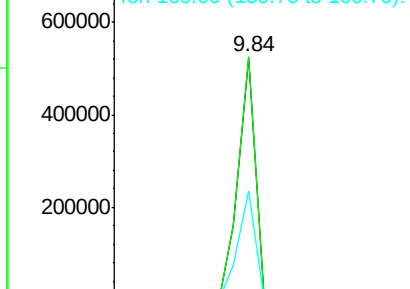


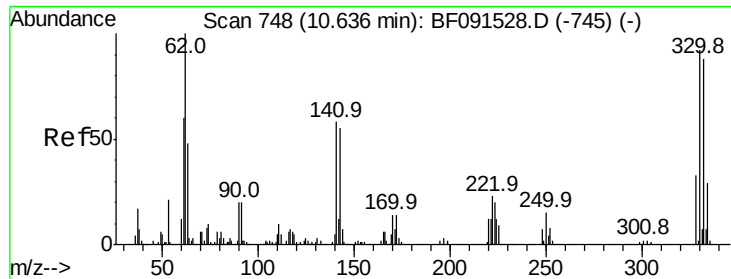
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.02 min
 Lab File: BF091604.D
 Acq: 15 Dec 2016 00:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.3	82.6	124.0
160	45.0	36.7	55.1



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





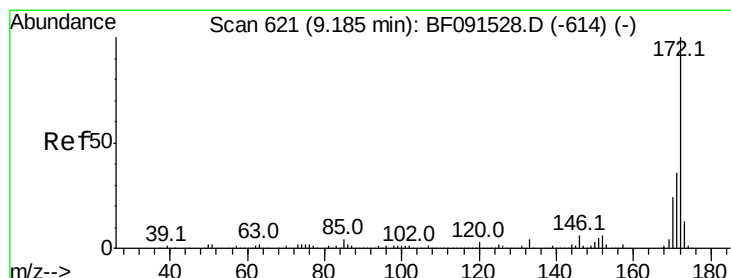
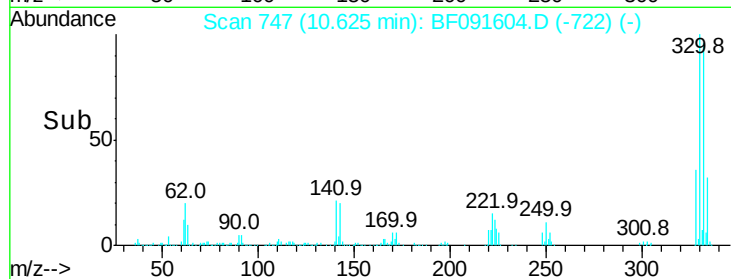
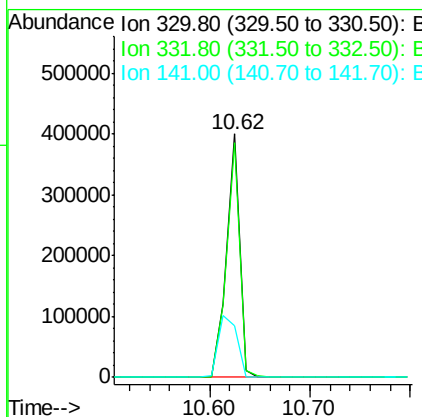
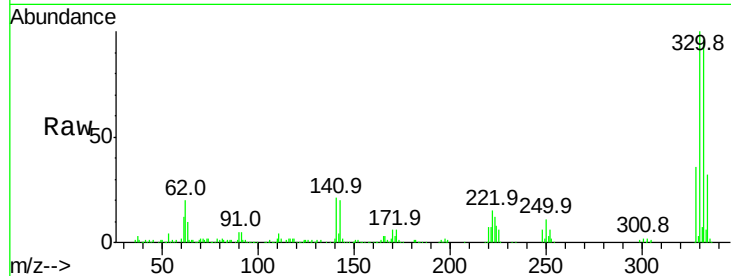
#41
 2,4,6-Tribromophenol
 Concen: 93.06 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF091604.D
 Acq: 15 Dec 2016 00:26

Instrument :
 BNA_F
 ClientSampled :
 WC-11-5-10

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.1	76.2	114.4	
141	36.7	33.6	50.4	

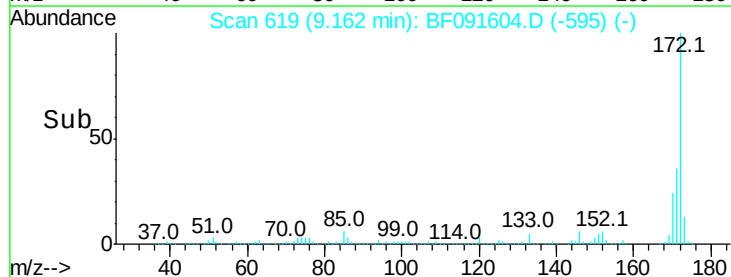
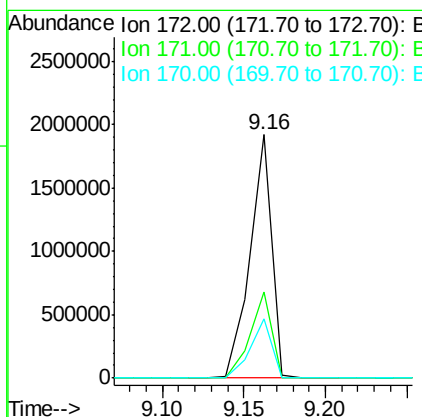
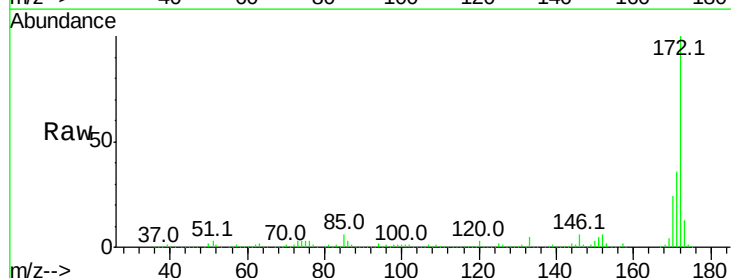
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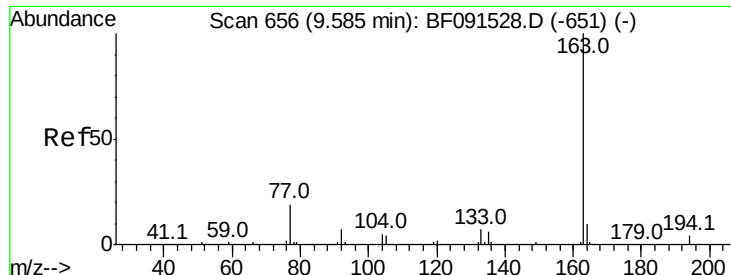
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#44
 2-Fluorobiphenyl
 Concen: 64.20 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.02 min
 Lab File: BF091604.D
 Acq: 15 Dec 2016 00:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.5	29.4	44.0	
170	24.1	19.7	29.5	





#49

Dimethylphthalate

Concen: 14.46 ng

RT: 9.55 min Scan# 653

Delta R.T. -0.03 min

Lab File: BF091604.D

Acq: 15 Dec 2016 00:26

Instrument :

BNA_F

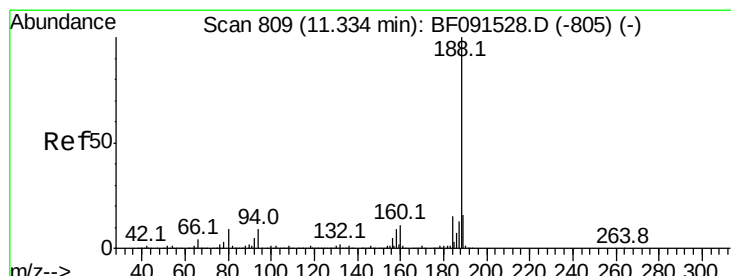
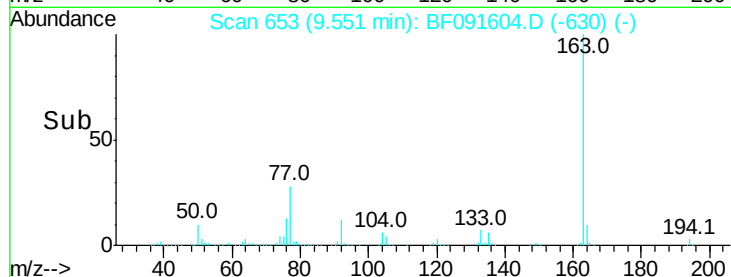
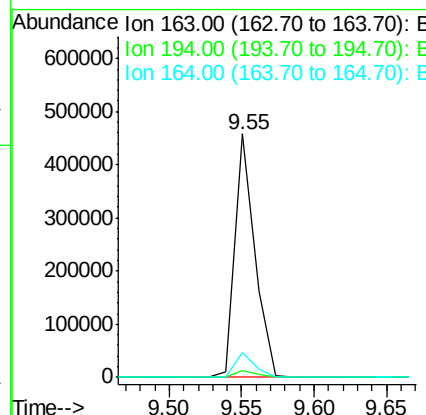
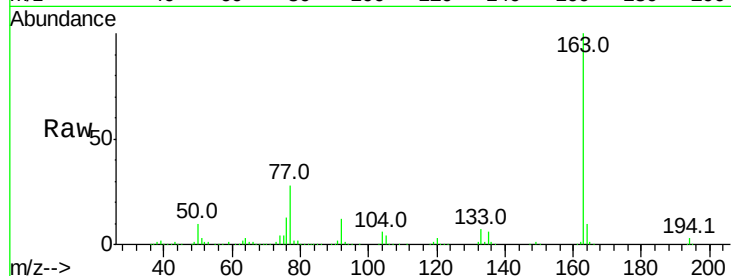
ClientSampleId :

WC-11-5-10

Tot Ion:	163	Resp:	436917
Ion Ratio	Lower	Upper	
163	100		
194	3.0	3.0	4.4
164	10.4	7.8	11.8

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#63

Phenanthrene-d10

Concen: 20.00 ng

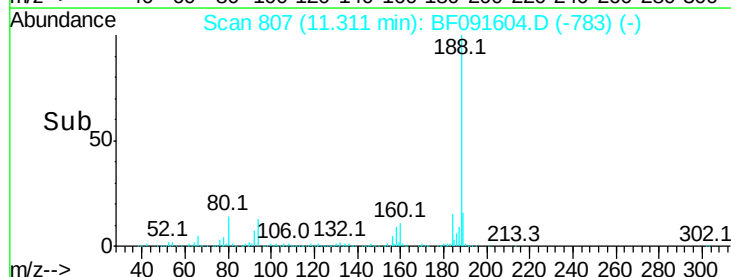
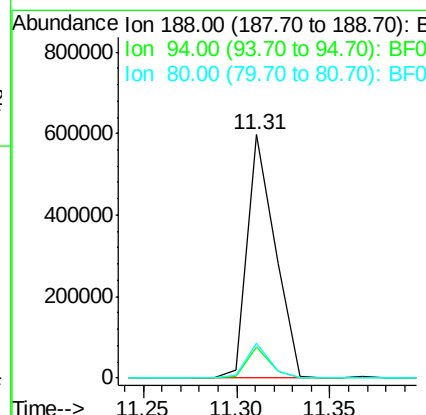
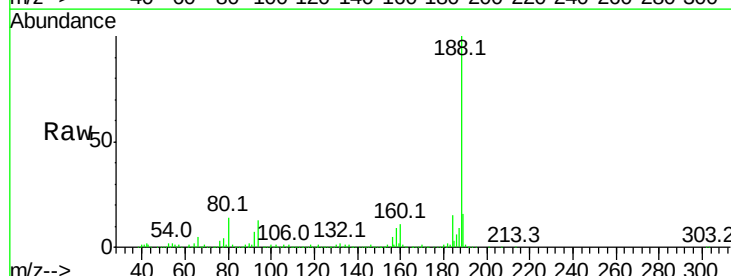
RT: 11.31 min Scan# 807

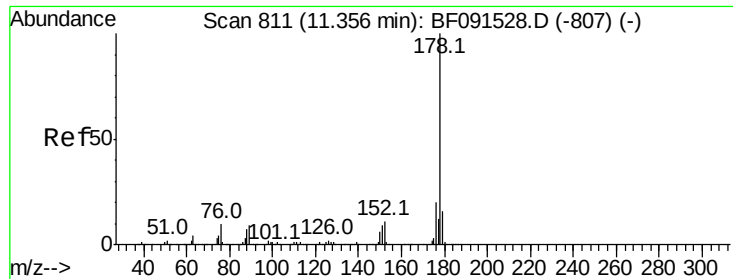
Delta R.T. -0.02 min

Lab File: BF091604.D

Acq: 15 Dec 2016 00:26

Tgt Ion:	188	Resp:	619467
Ion Ratio	Lower	Upper	
188	100		
94	12.9	9.2	13.8
80	14.3	10.5	15.7





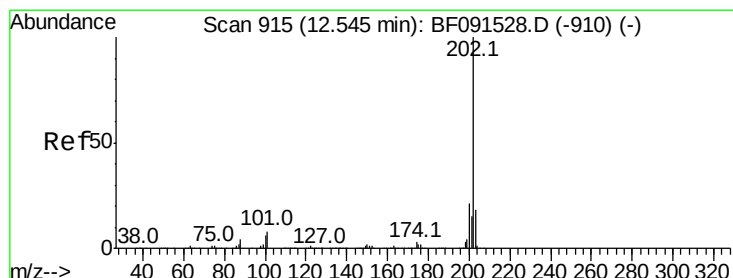
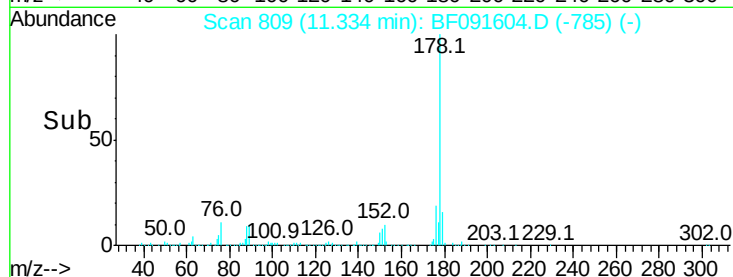
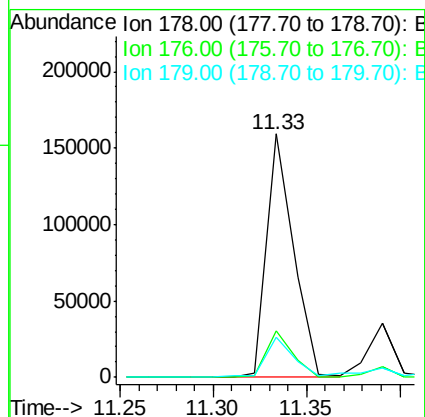
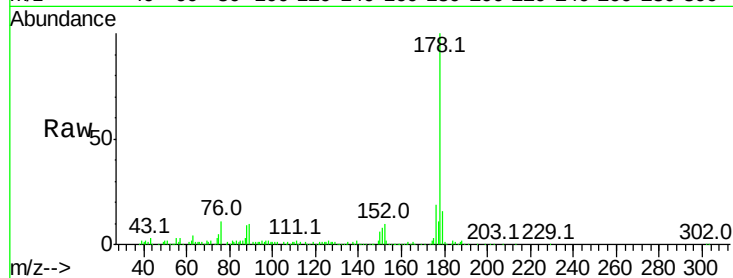
#70
Phenanthrene
Concen: 5.17 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.02 min
Lab File: BF091604.D
Acq: 15 Dec 2016 00:26

Instrument :
BNA_F
ClientSampleId :
WC-11-5-10

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.9	23.9
179	16.2	12.6	18.8

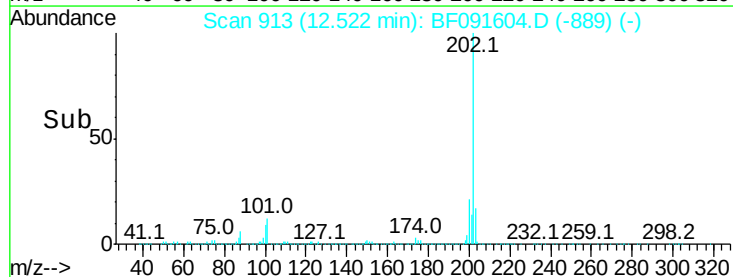
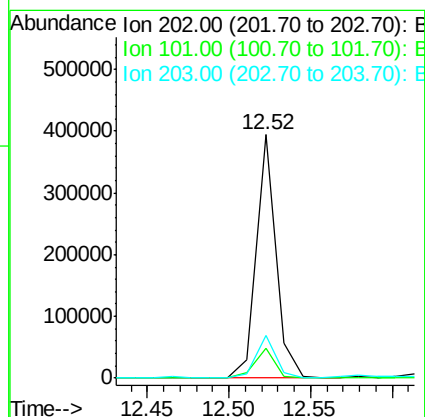
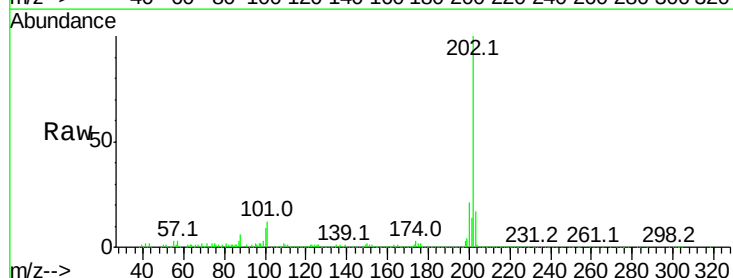
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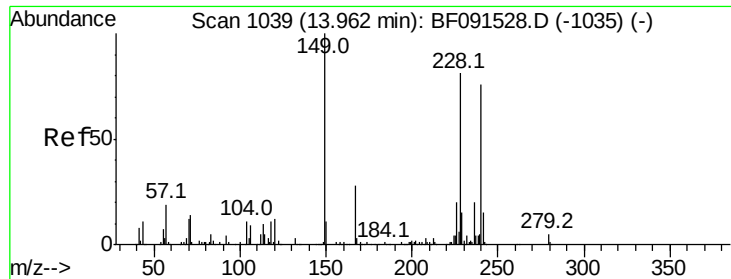
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#74
Fluoranthene
Concen: 10.25 ng
RT: 12.52 min Scan# 913
Delta R.T. -0.02 min
Lab File: BF091604.D
Acq: 15 Dec 2016 00:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	29.5
203	17.4	0.0	37.8





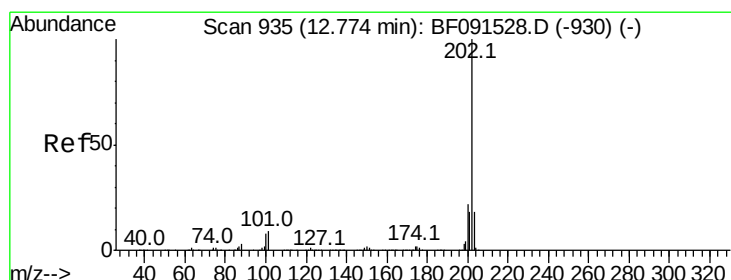
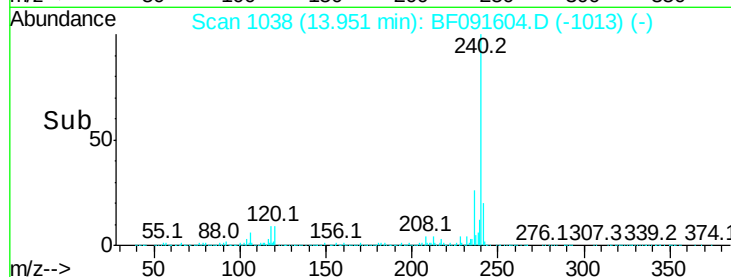
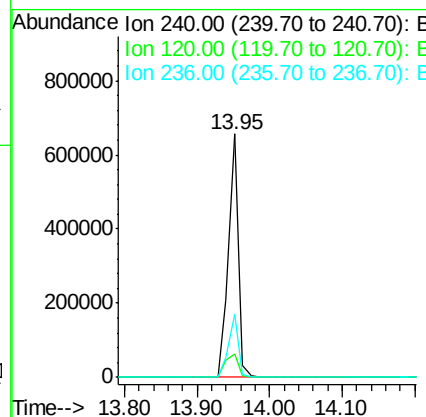
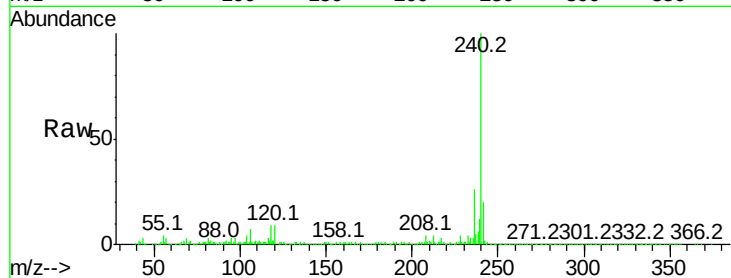
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF091604.D
Acq: 15 Dec 2016 00:26

Instrument :
BNA_F
ClientSampleId :
WC-11-5-10

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.5	12.1	18.1#
236	26.2	21.0	31.6

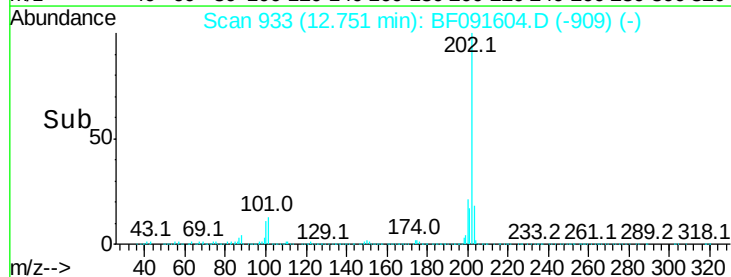
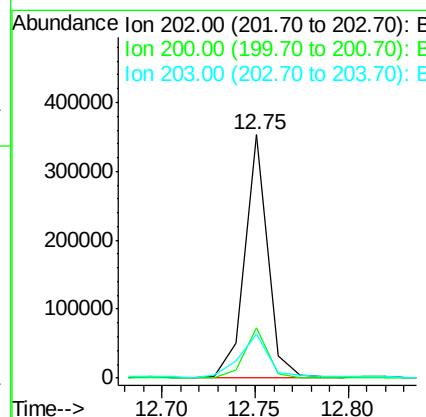
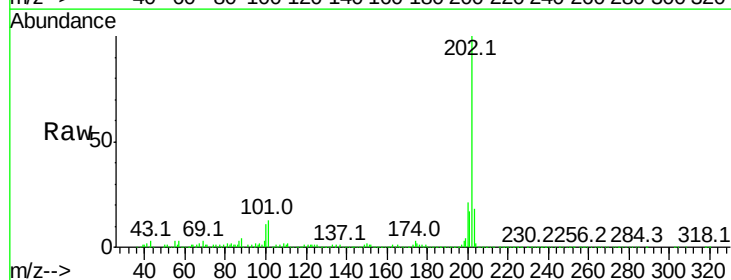
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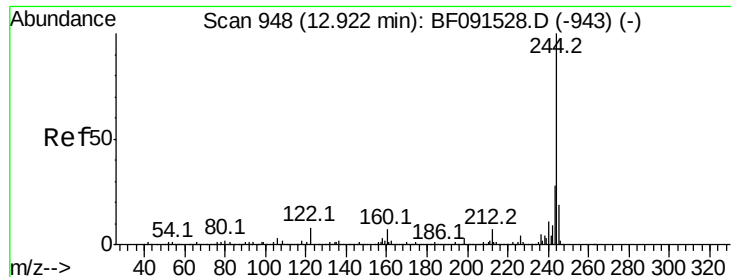
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#77
Pyrene
Concen: 6.06 ng
RT: 12.75 min Scan# 933
Delta R.T. -0.02 min
Lab File: BF091604.D
Acq: 15 Dec 2016 00:26

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.6	26.4
203	18.1	14.0	21.0





#78

Terphenyl-d14

Concen: 48.00 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.02 min

Lab File: BF091604.D

Acq: 15 Dec 2016 00:26

Instrument :

BNA_F

ClientSampleId :

WC-11-5-10

Tot Ion:244 Resp: 1322664

Ion Ratio Lower Upper

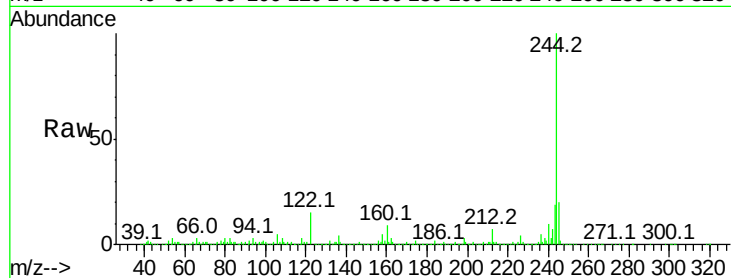
244 100

212 7.5 6.5 9.7

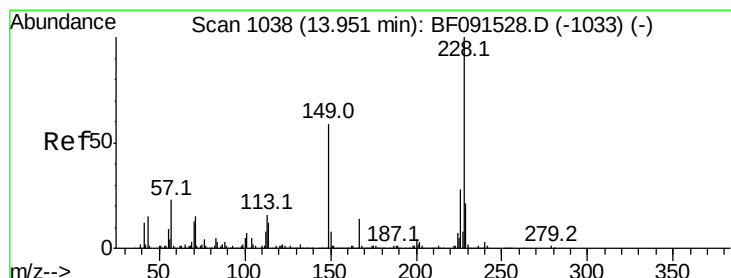
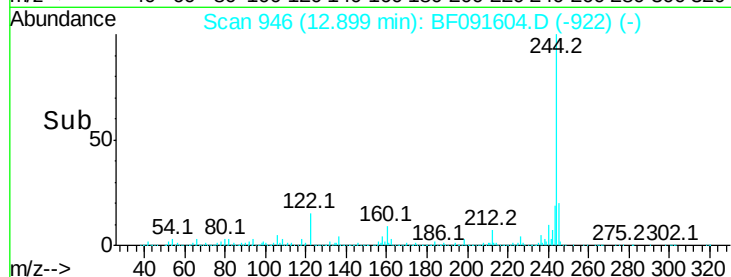
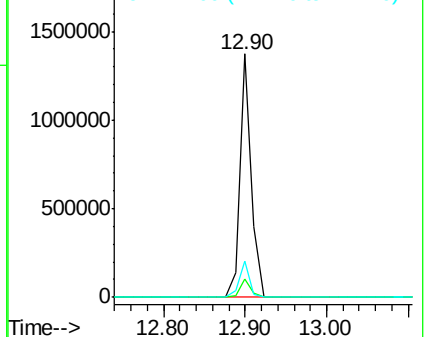
122 14.7 9.5 14.3#

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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: 4.39 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF091604.D

Acq: 15 Dec 2016 00:26

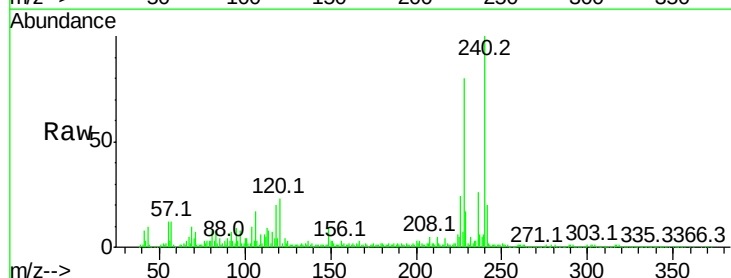
Tgt Ion:228 Resp: 159291

Ion Ratio Lower Upper

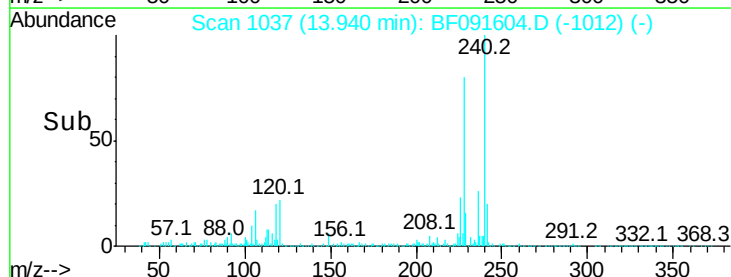
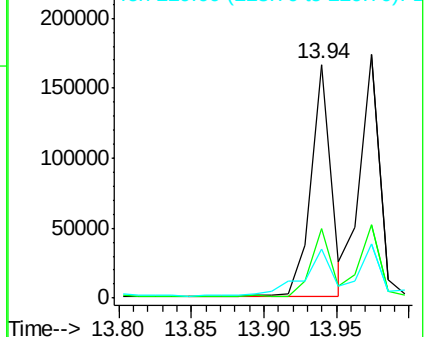
228 100

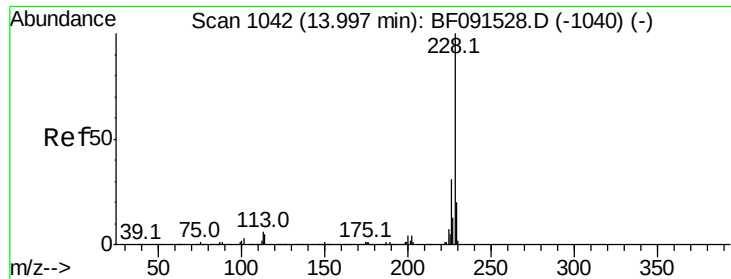
226 30.0 22.5 33.7

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





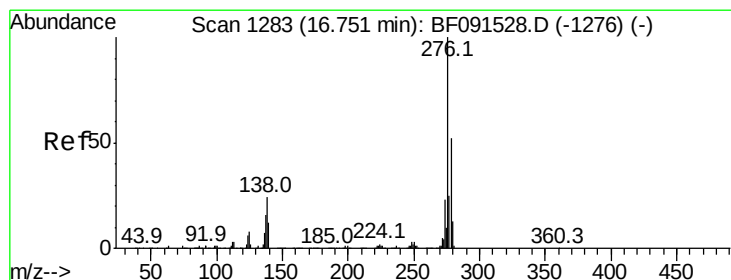
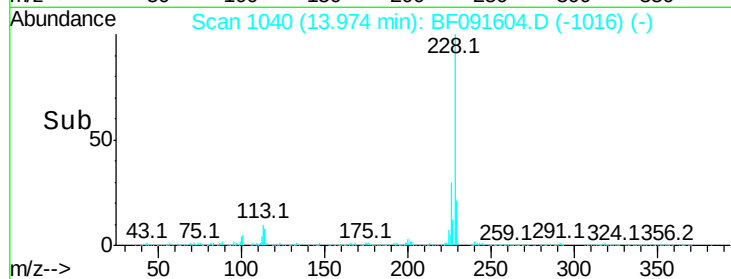
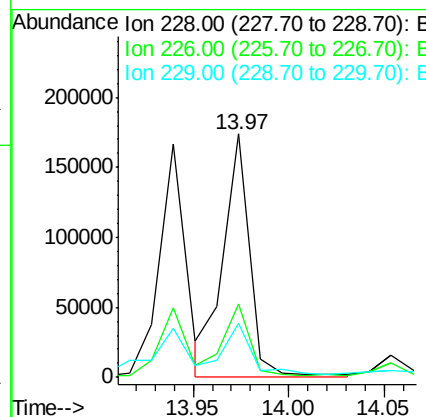
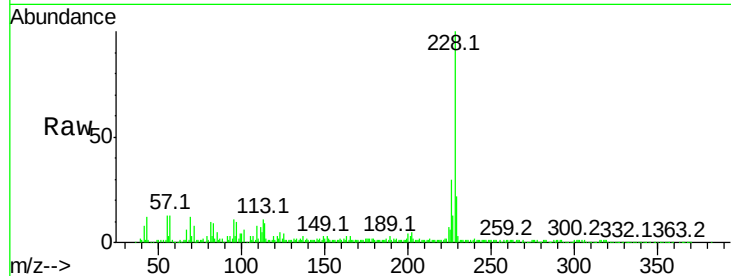
#82
Chrysene
Concen: 4.36 ng/ml
RT: 13.97 min Scan# 1040
Delta R.T. -0.02 min
Lab File: BF091604.D
Acq: 15 Dec 2016 00:26

Instrument :
BNA_F
ClientSampleId :
WC-11-5-10

Tot Ion:	228	Resp:	165817
Ion Ratio	Lower	Upper	
228	100		
226	30.0	25.0	37.4
229	22.0	16.0	24.0

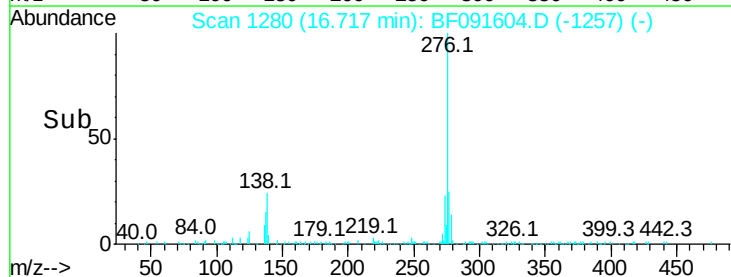
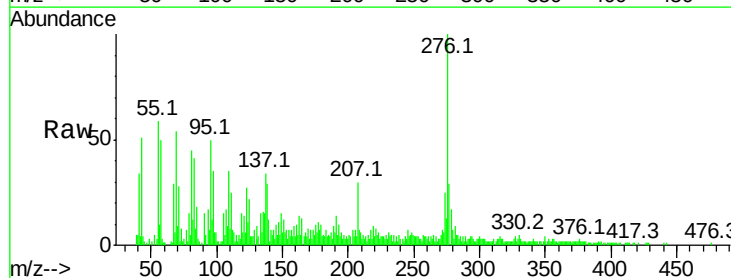
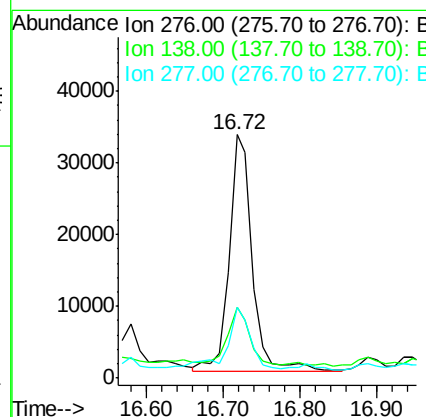
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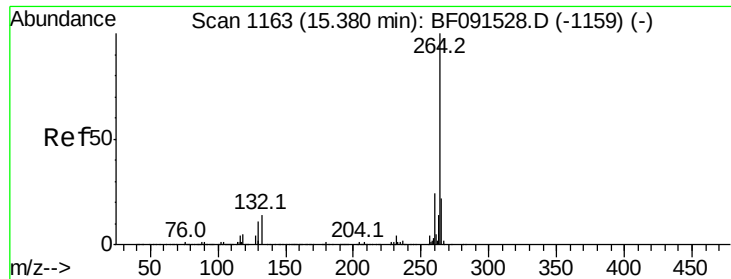
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.06 ng
RT: 16.72 min Scan# 1280
Delta R.T. -0.03 min
Lab File: BF091604.D
Acq: 15 Dec 2016 00:26

Tgt Ion:	276	Resp:	70405
Ion Ratio	Lower	Upper	
276	100		
138	23.6	21.0	31.4
277	26.1	20.2	30.2





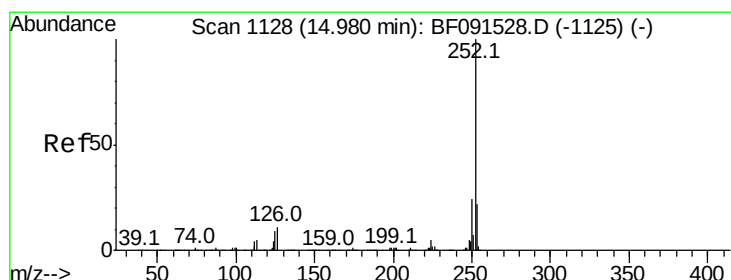
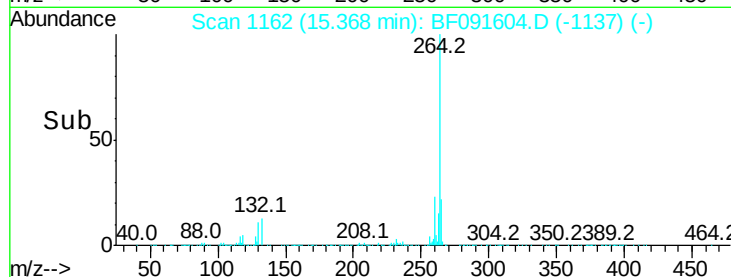
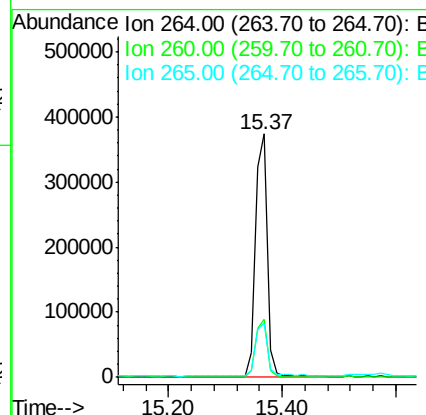
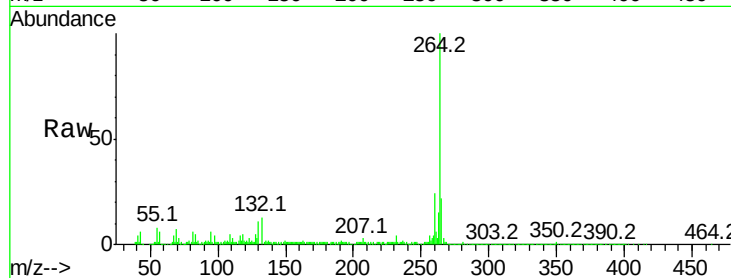
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BF091604.D
Acq: 15 Dec 2016 00:26

Instrument :
BNA_F
ClientSampleId :
WC-11-5-10

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.8	28.2
265	22.3	17.0	25.6

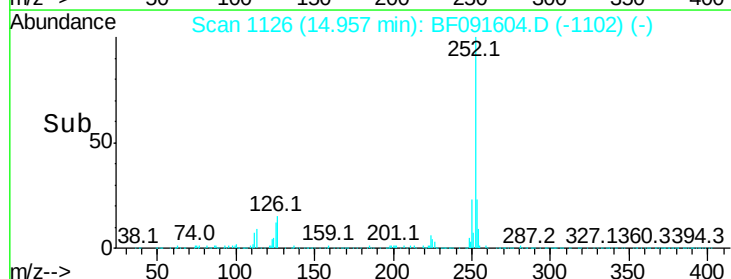
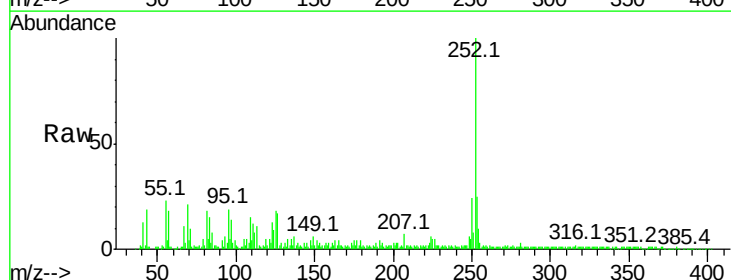
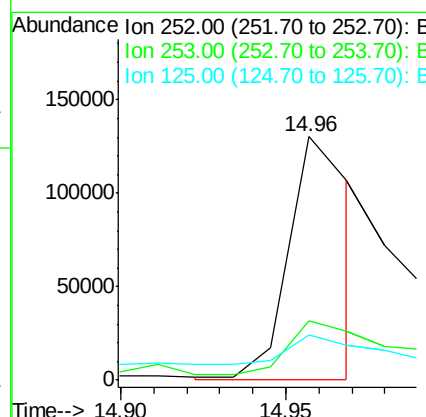
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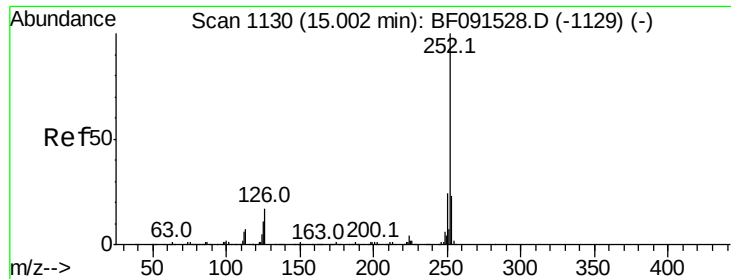
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#87
Benzo(b)fluoranthene
Concen: 5.44 ng m
RT: 14.96 min Scan# 1126
Delta R.T. -0.02 min
Lab File: BF091604.D
Acq: 15 Dec 2016 00:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.2	27.2
125	18.4	8.6	13.0





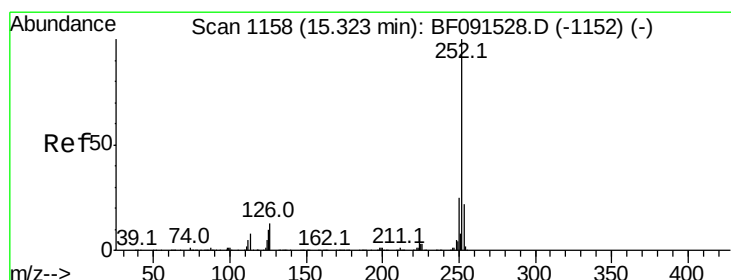
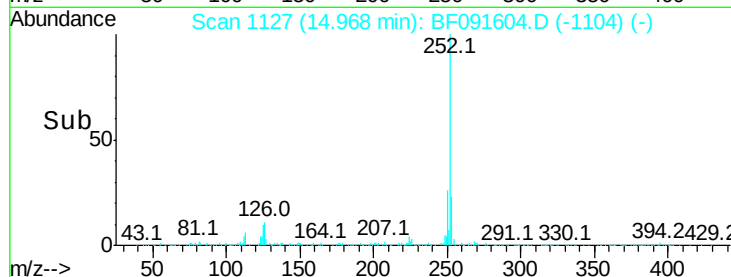
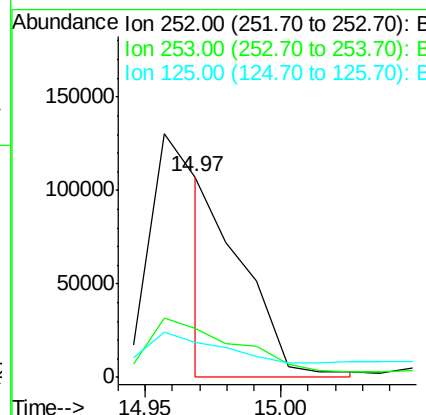
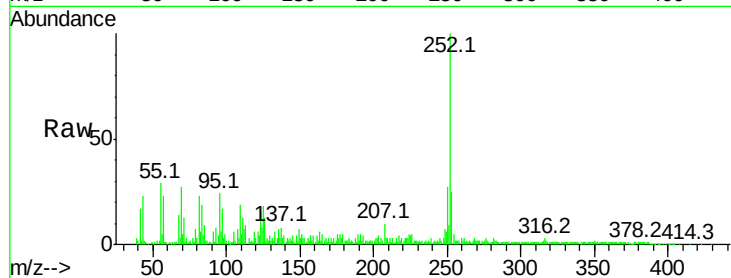
#88
Benzo(k)fluoranthene
Concen: 3.25 ng/ml
RT: 14.97 min Scan# 1127
Delta R.T. -0.03 min
Lab File: BF091604.D
Acq: 15 Dec 2016 00:26

Instrument :
BNA_F
ClientSampleId :
WC-11-5-10

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

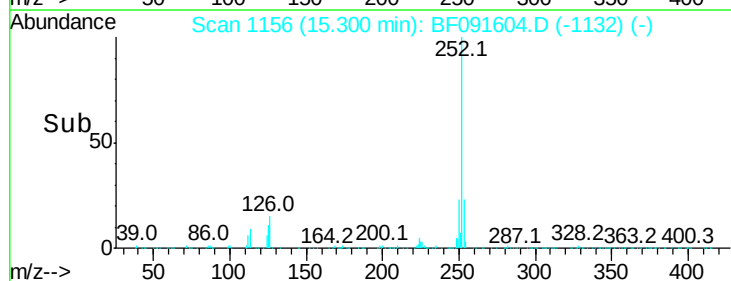
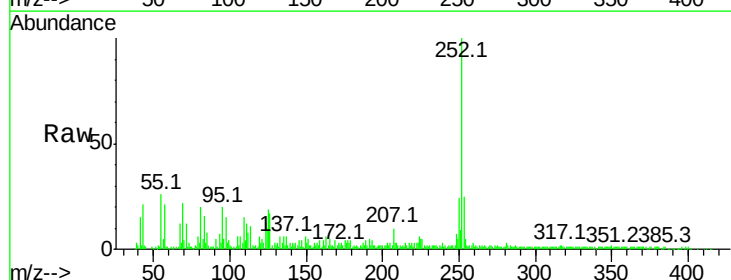
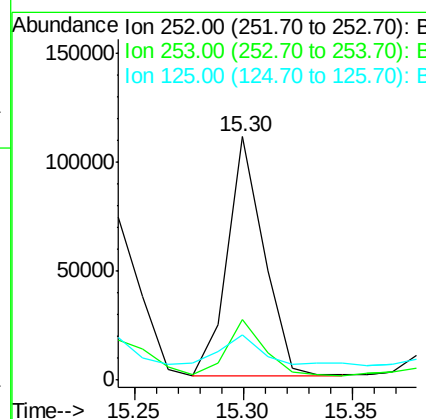
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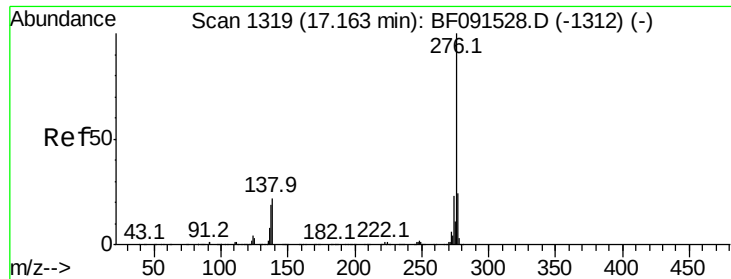
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#89
Benzo(a)pyrene
Concen: 4.41 ng/ml
RT: 15.30 min Scan# 1156
Delta R.T. -0.02 min
Lab File: BF091604.D
Acq: 15 Dec 2016 00:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.4
125	18.7	10.4	15.6





#91
 Benzo(a,h,i)perylene
 Concen: 2.31 ng
 RT: 17.13 min Scan# 1316
 Delta R.T. -0.03 min
 Lab File: BF091604.D
 Acq: 15 Dec 2016 00:26

Instrument :
 BNA_F
 ClientSampleId :
 WC-11-5-10

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.0	28.4
138	25.1	15.4	23.0

Manual Integrations
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