

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
 Data File : BF084036.D
 Acq On : 23 Dec 2015 13:36
 Operator : UM/SJ
 Sample : G4862-05
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AST-HC-WEST

Manual Integrations
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Quant Time: Dec 23 15:34:58 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 22 18:54:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	47013	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	191340	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	93626	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	161215	20.00	ng	0.00
75) Chrysene-d12	13.99	240	109212	20.00	ng	-0.01
86) Perylene-d12	15.41	264	97642	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	415727	150.77	ng	0.01
7) Phenol-d6	6.48	99	547842	168.98	ng	0.00
23) Nitrobenzene-d5	7.39	82	307993	98.88	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	144870	160.87	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	681691	97.99	ng	0.00
78) Terphenyl-d14	12.93	244	490819	107.18	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.58	163	144394	19.71	ng	Qvalue # 91
70) Phenanthrene	11.38	178	51765	5.68	ng	99
74) Fluoranthene	12.56	202	81360	9.00	ng	97
77) Pyrene	12.79	202	80914	10.92	ng	99
80) Benzo(a)anthracene	13.97	228	40623	6.45	ng	96
82) Chrysene	14.02	228	27987m	4.79	ng	
85) Indeno(1,2,3-cd)pyrene	16.84	276	14089	2.91	ng	97
87) Benzo(b)fluoranthene	15.01	252	35609m	5.78	ng	
88) Benzo(k)fluoranthene	15.04	252	13067m	2.23	ng	
89) Benzo(a)pyrene	15.36	252	24698	4.33	ng	# 94
91) Benzo(g,h,i)perylene	17.27	276	13061	2.73	ng	98

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

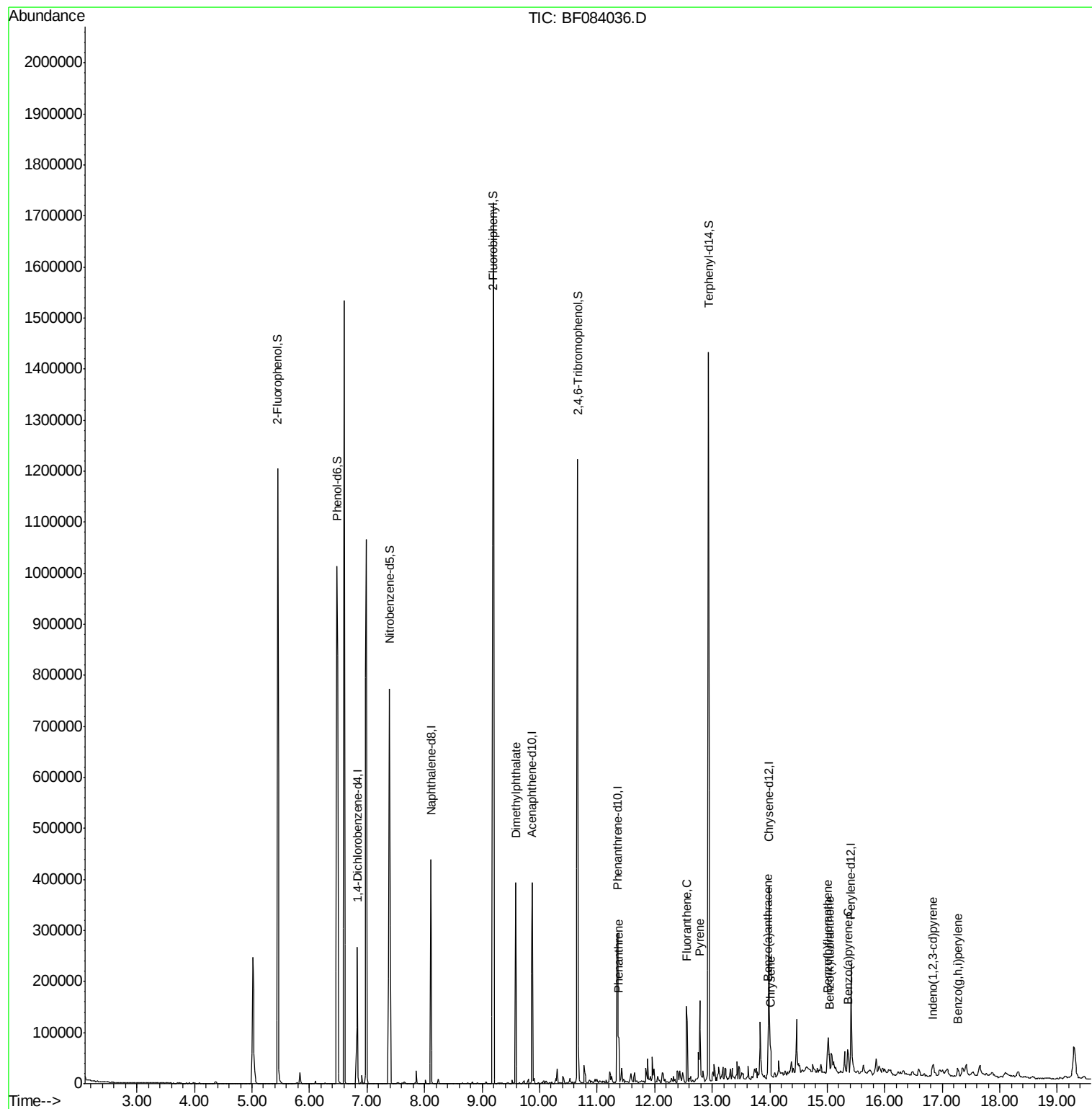
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084036.D
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Sample : G4862-05
Misc :
ALS Vial : 42 Sample Multiplier: 1

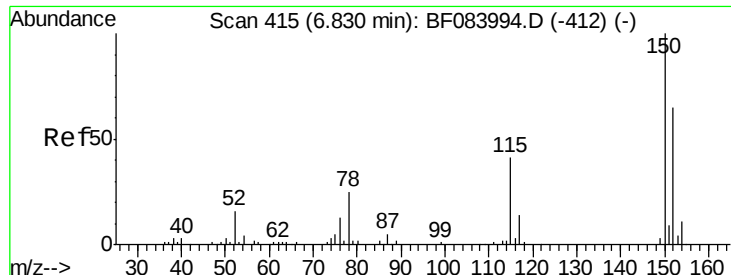
Instrument :
BNA_F
ClientSampleId :
AST-HC-WEST

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Quant Time: Dec 23 15:34:58 2015
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#1

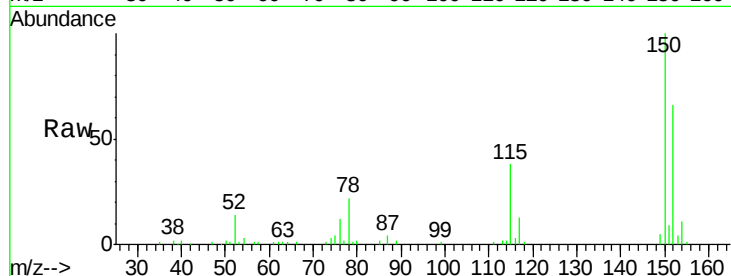
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.00 min
Lab File: BF084036.D
Acq: 23 Dec 2015 13:36

Instrument :
BNA_F
ClientSampled :
AST-HC-WEST

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.2	123.0	184.4
115	57.1	51.4	77.2

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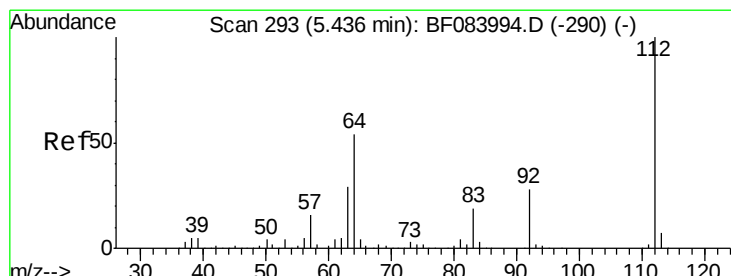
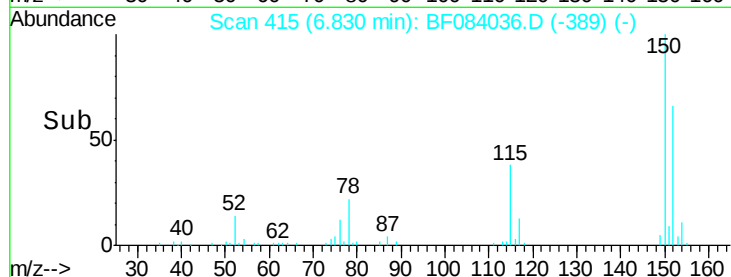
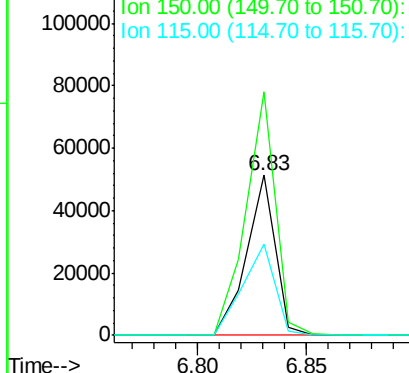


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

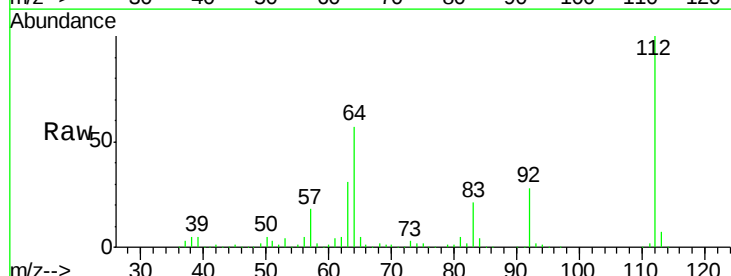
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 150.77 ng
RT: 5.45 min Scan# 294
Delta R.T. 0.01 min
Lab File: BF084036.D
Acq: 23 Dec 2015 13:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	36.6	55.0#
63	31.0	19.4	29.0#

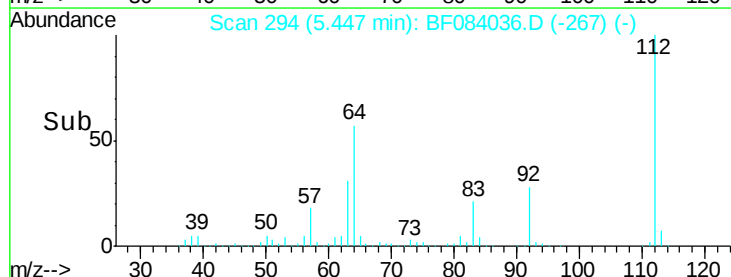
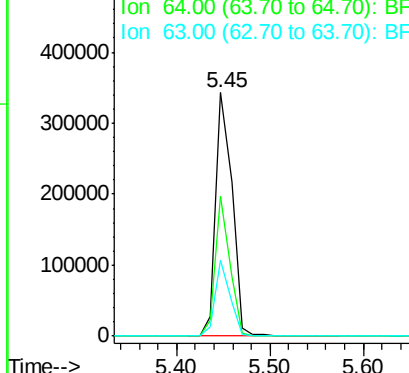


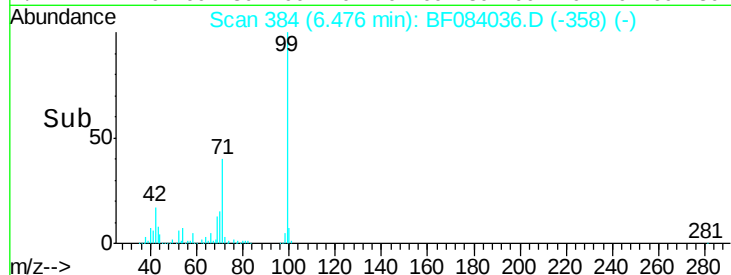
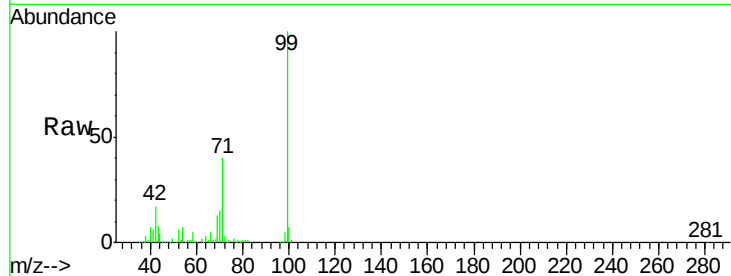
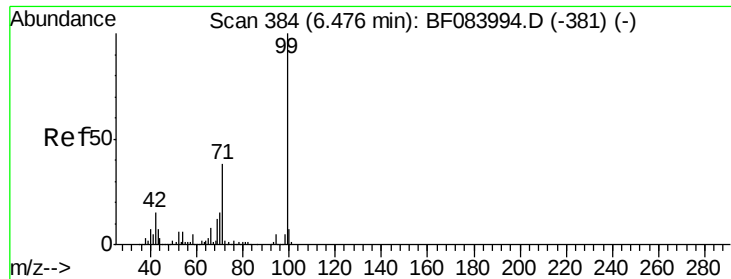
Abundance

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: 168.98 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF084036.D

Acq: 23 Dec 2015 13:36

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		547842		
42	17.4	12.8	19.2		
71	40.3	30.9	46.3		

Instrument :

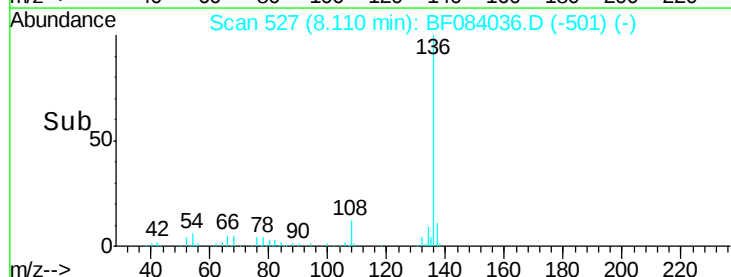
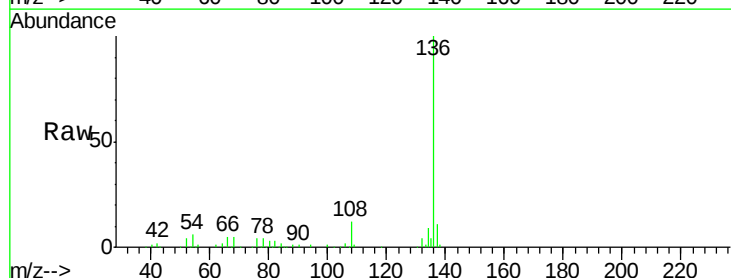
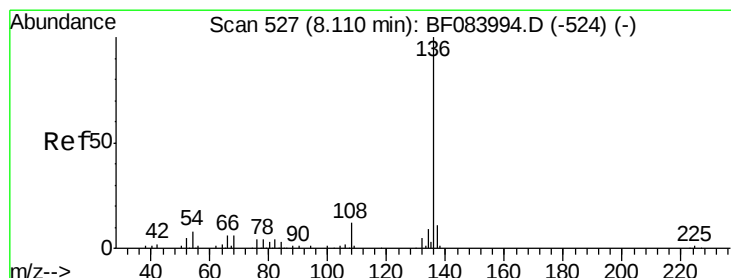
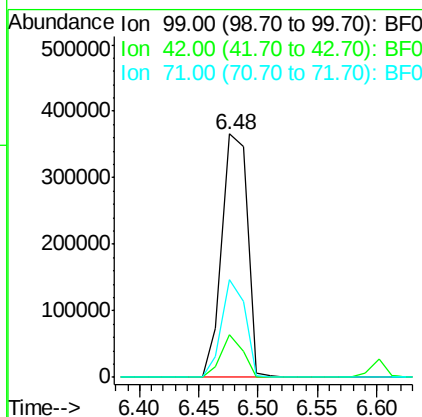
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#21

Naphthalene-d8

Concen: 20.00 ng

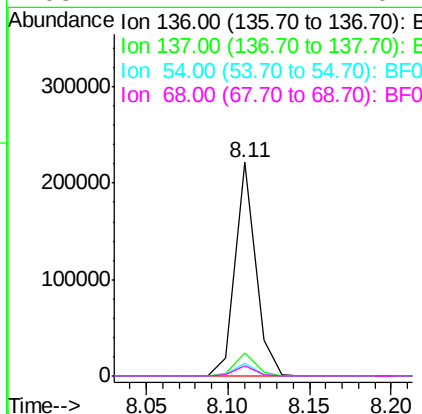
RT: 8.11 min Scan# 527

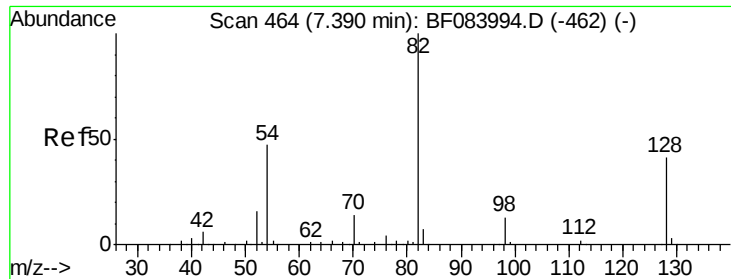
Delta R.T. -0.00 min

Lab File: BF084036.D

Acq: 23 Dec 2015 13:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		191340		
137	10.6	8.7	13.1		
54	6.2	5.8	8.8		
68	4.7	4.2	6.2		





#23

Nitrobenzene-d5

Concen: 98.88 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.00 min

Lab File: BF084036.D

Acq: 23 Dec 2015 13:36

Instrument :

BNA_F

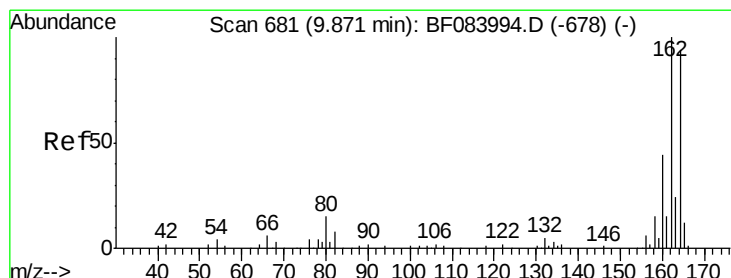
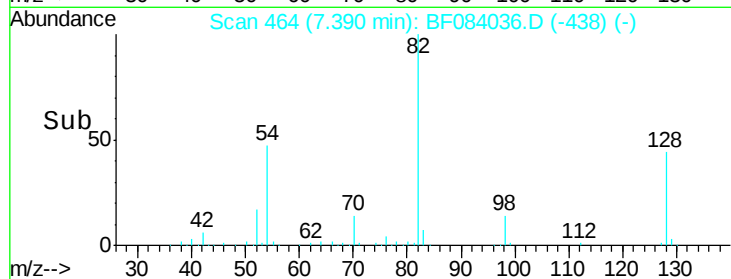
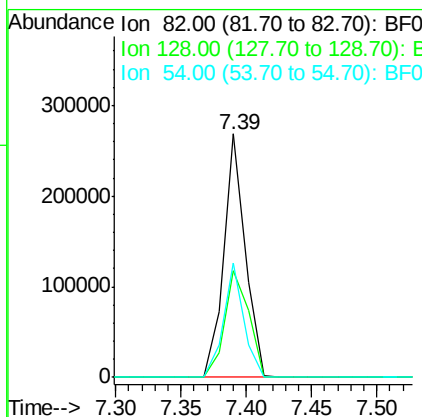
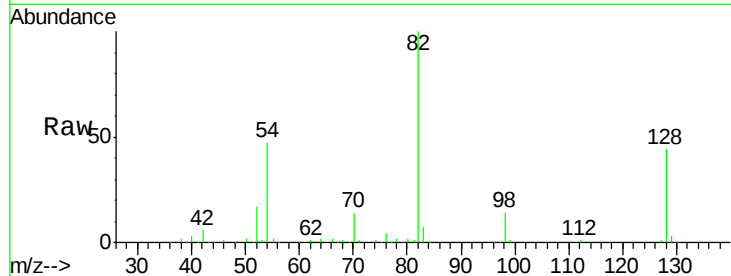
ClientSampleId :

AST-HC-WEST

Tot Ion:	82	Resp:	307993
Ion Ratio	Lower	Upper	
82	100		
128	43.9	34.6	51.8
54	47.2	38.4	57.6

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#38

Acenaphthene-d10

Concen: 20.00 ng

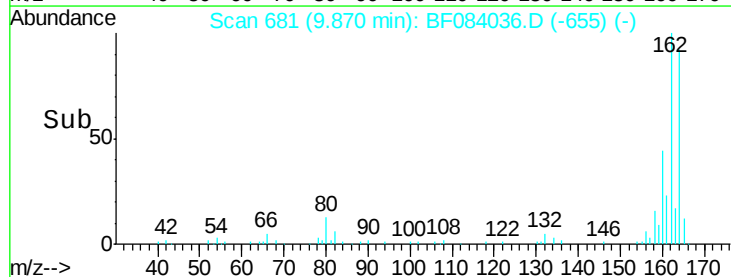
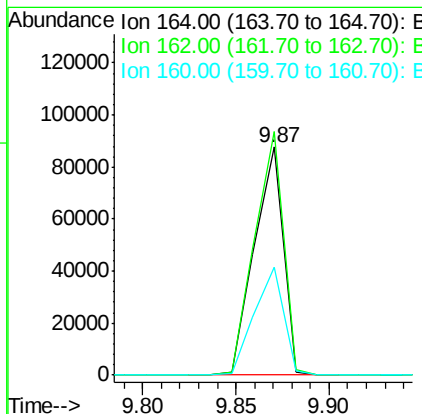
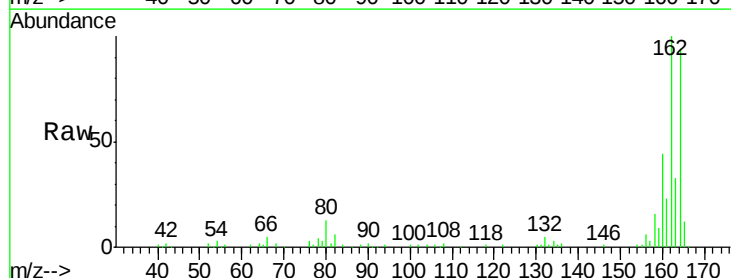
RT: 9.87 min Scan# 681

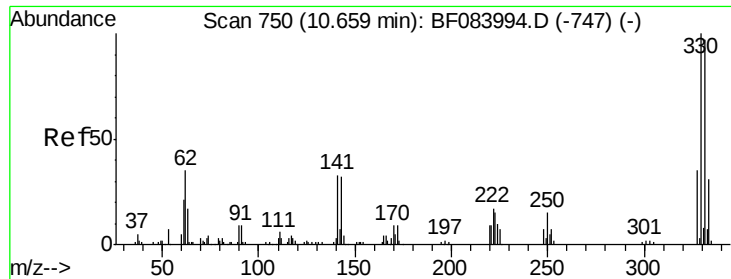
Delta R.T. -0.00 min

Lab File: BF084036.D

Acq: 23 Dec 2015 13:36

Tgt Ion:	164	Resp:	93626
Ion Ratio	Lower	Upper	
164	100		
162	106.8	85.1	127.7
160	47.5	37.5	56.3





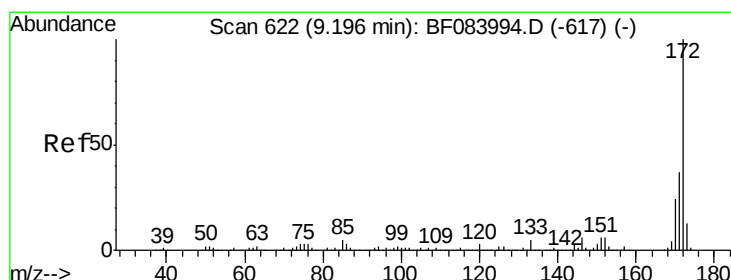
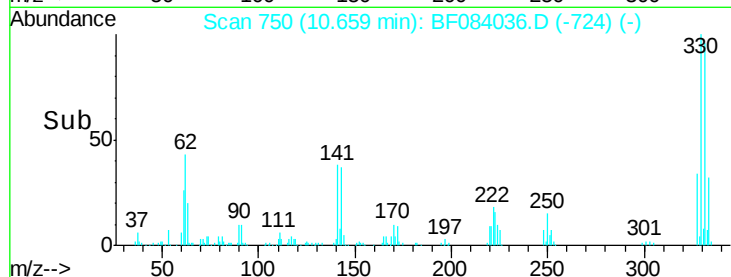
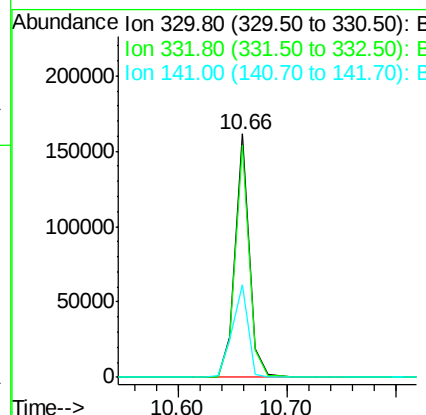
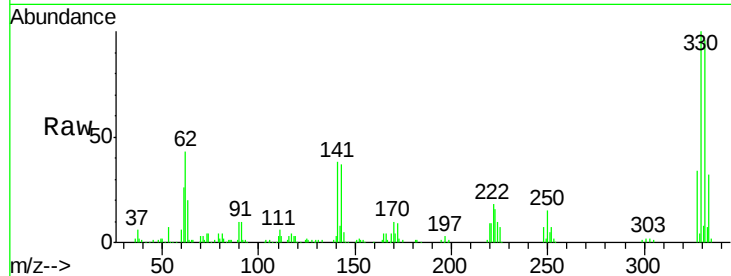
#41
 2,4,6-Tribromophenol
 Concen: 160.87 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: BF084036.D
 Acq: 23 Dec 2015 13:36

Instrument :
 BNA_F
 ClientSampleId :
 AST-HC-WEST

Tot Ion	Ratio	Resp	Lower	Upper
330	100	144870		
332	95.6	76.6	114.8	
141	42.6	27.8	41.6#	

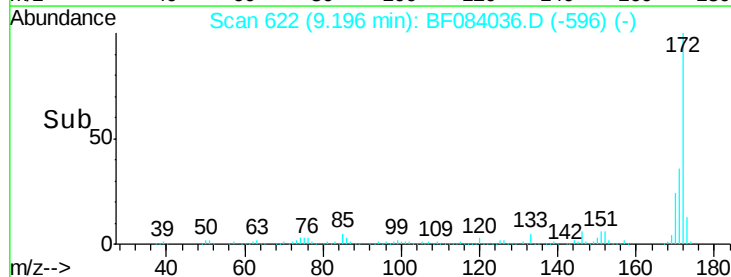
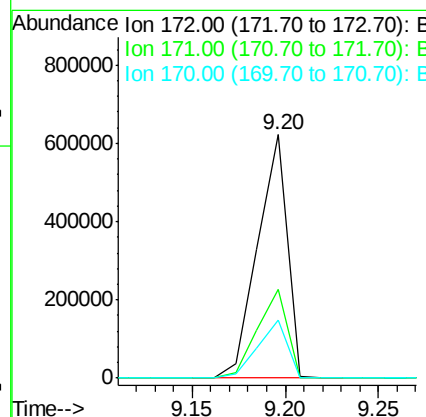
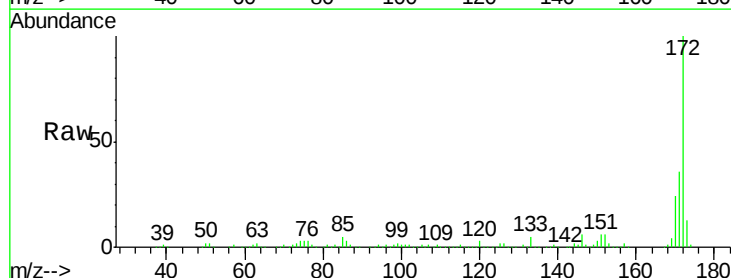
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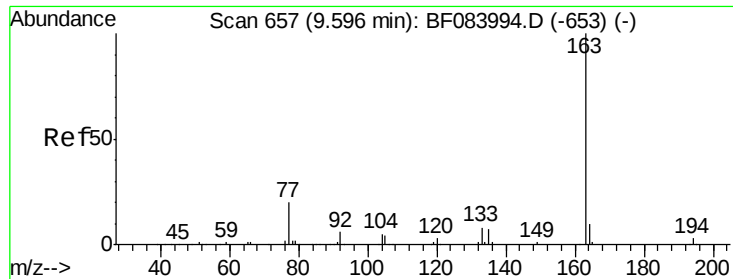
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#44
 2-Fluorobiphenyl
 Concen: 97.99 ng
 RT: 9.20 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BF084036.D
 Acq: 23 Dec 2015 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	681691		
171	36.5	28.9	43.3	
170	23.7	18.6	27.8	





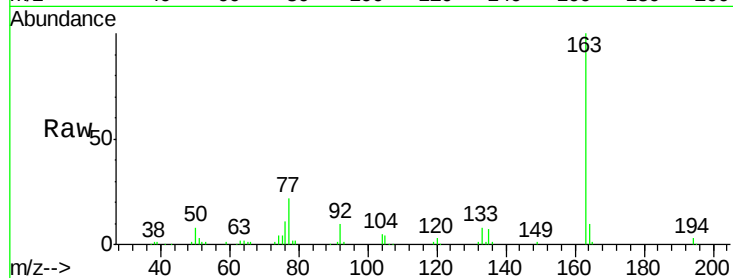
#49
Dimethylphthalate
Concen: 19.71 ng
RT: 9.58 min Scan# 656
Delta R.T. -0.01 min
Lab File: BF084036.D
Acq: 23 Dec 2015 13:36

Instrument :
BNA_F
ClientSampleId :
AST-HC-WEST

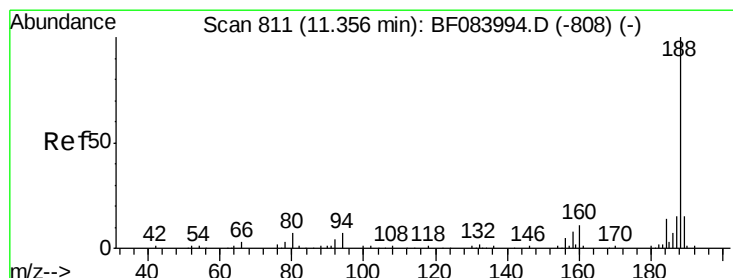
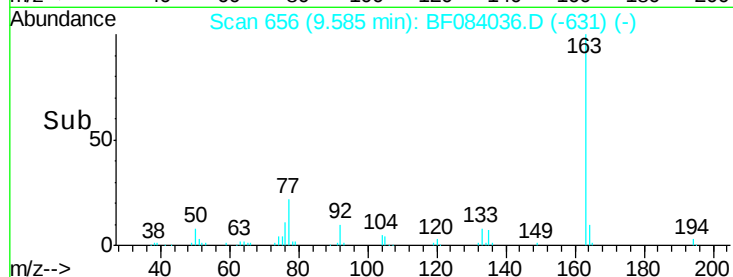
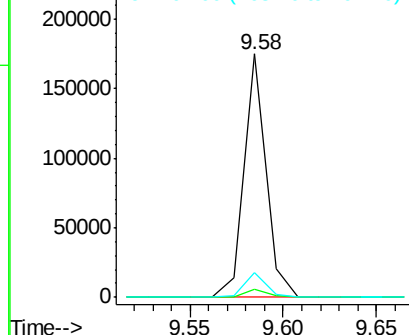
Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.3	8.0	12.0#
164	10.3	8.0	12.0

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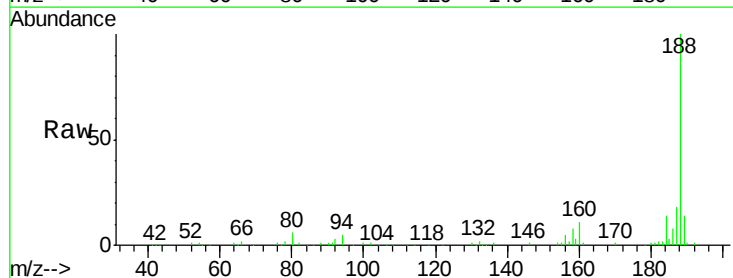


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

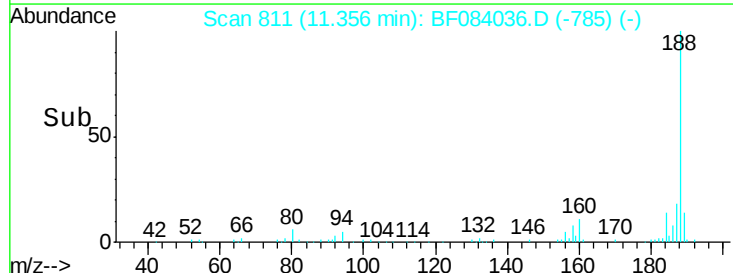
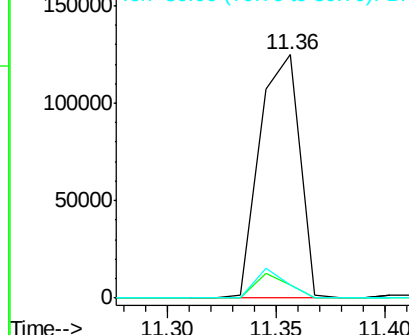


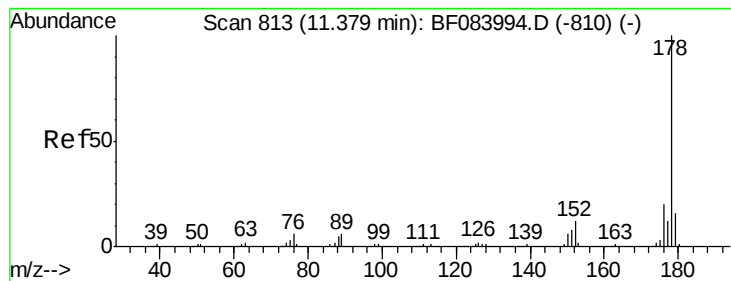
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF084036.D
Acq: 23 Dec 2015 13:36

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	5.4	9.0	13.4#
80	5.6	9.6	14.4#



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: 5.68 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF084036.D

Acq: 23 Dec 2015 13:36

Instrument :

BNA_F

ClientSampleId :

AST-HC-WEST

Tot Ion:178 Resp: 51765

Ion Ratio Lower Upper

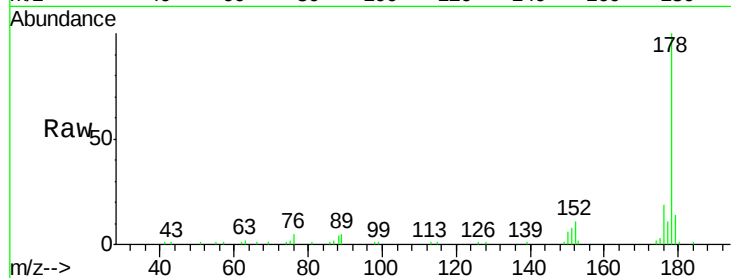
178 100

176 19.3 15.3 22.9

179 14.4 12.0 18.0

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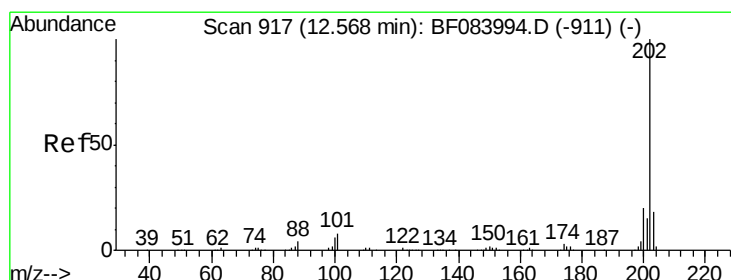
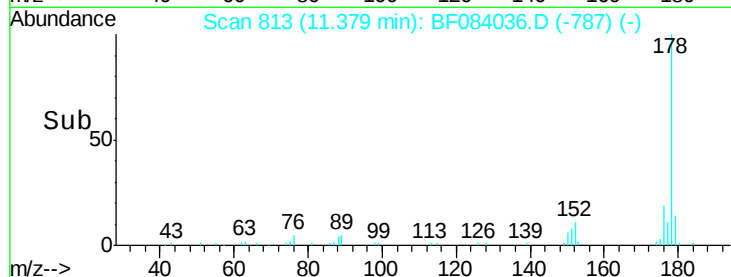
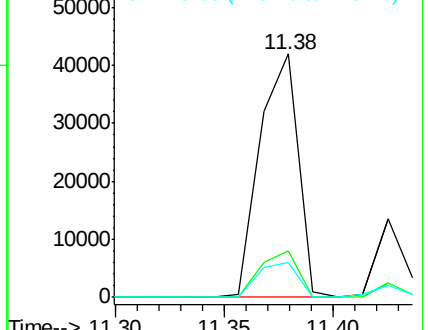
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 9.00 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF084036.D

Acq: 23 Dec 2015 13:36

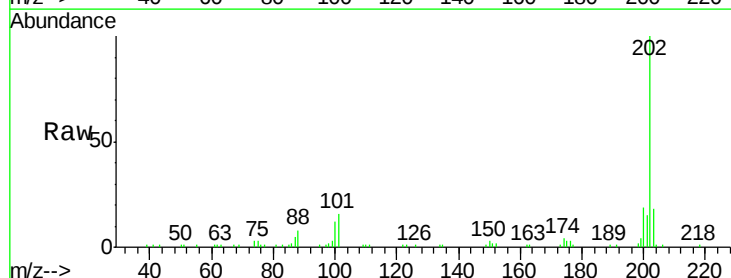
Tgt Ion:202 Resp: 81360

Ion Ratio Lower Upper

202 100

101 15.5 0.0 32.8

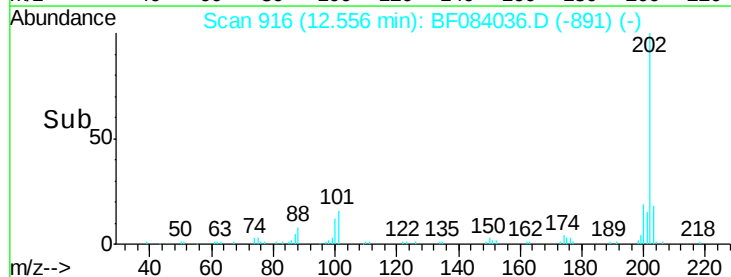
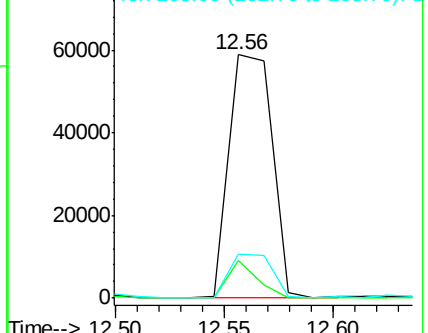
203 18.1 0.0 37.9

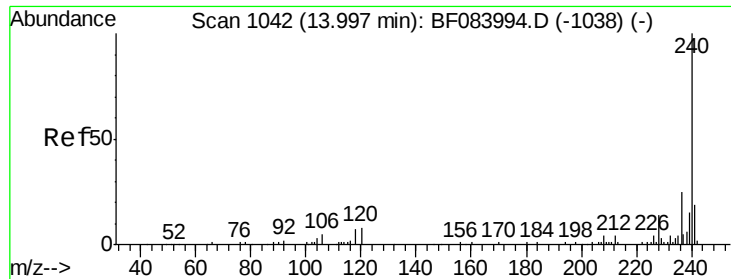


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF084036.D

Acq: 23 Dec 2015 13:36

Instrument :

BNA_F

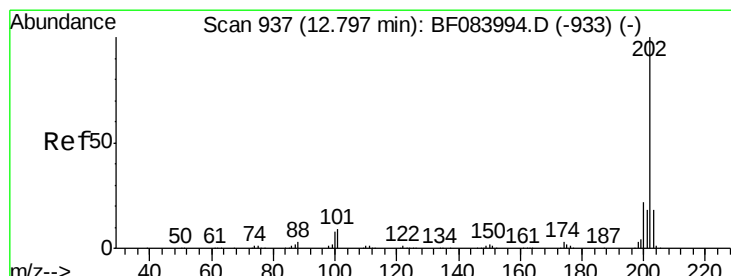
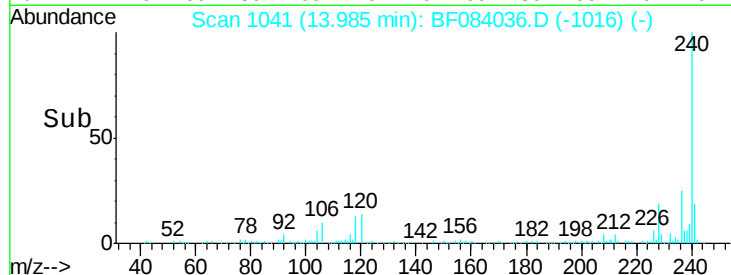
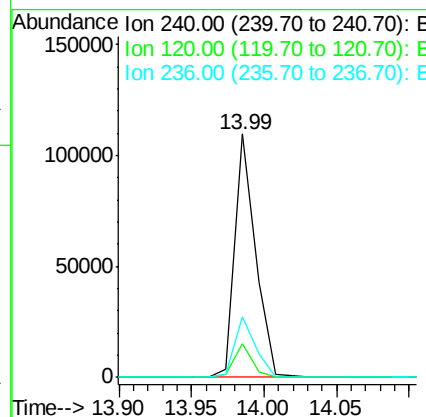
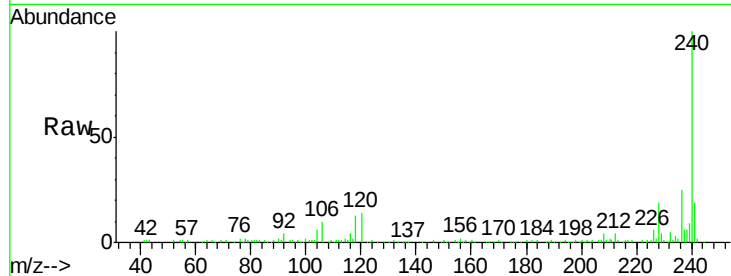
ClientSampleId :

AST-HC-WEST

Tot Ion:	240	Resp:	109212
Ion Ratio	Lower	Upper	
240	100		
120	13.8	9.5	14.3
236	25.0	20.6	31.0

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#77

Pyrene

Concen: 10.92 ng

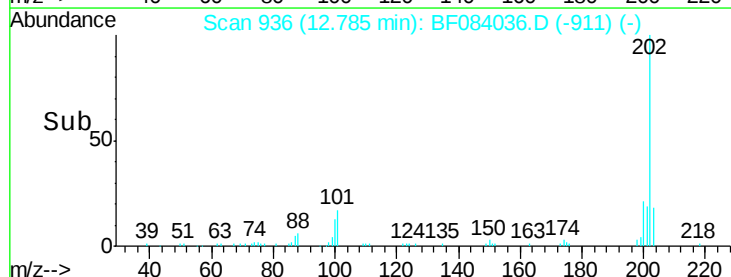
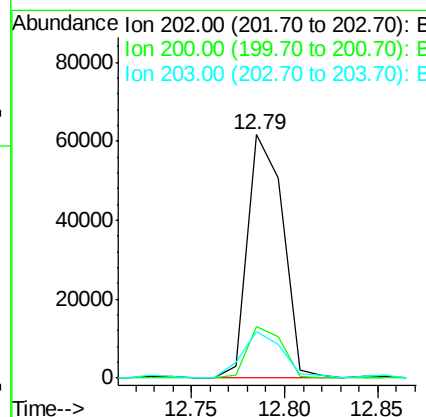
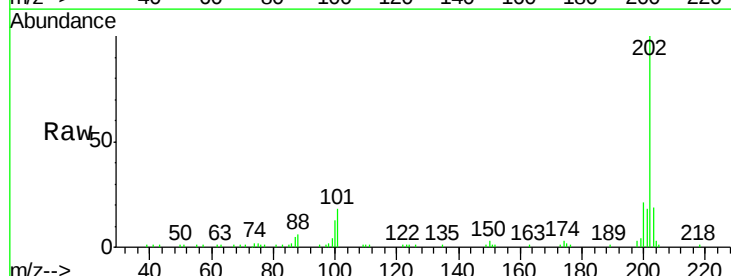
RT: 12.79 min Scan# 936

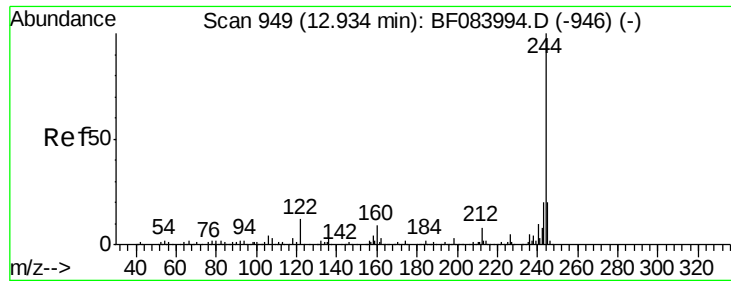
Delta R.T. -0.01 min

Lab File: BF084036.D

Acq: 23 Dec 2015 13:36

Tgt Ion:	202	Resp:	80914
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.2	25.8
203	19.0	14.3	21.5





#78

Terphenyl-d14

Concen: 107.18 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.00 min

Lab File: BF084036.D

Acq: 23 Dec 2015 13:36

Instrument :

BNA_F

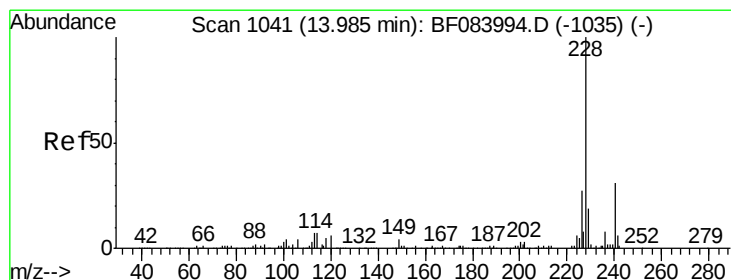
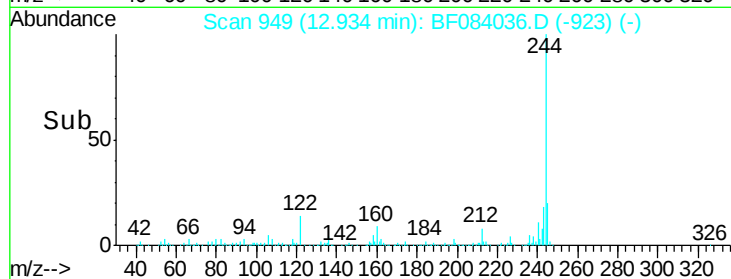
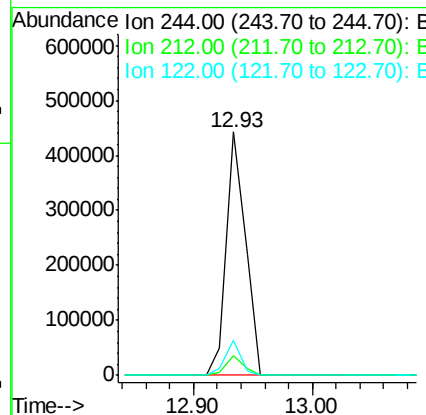
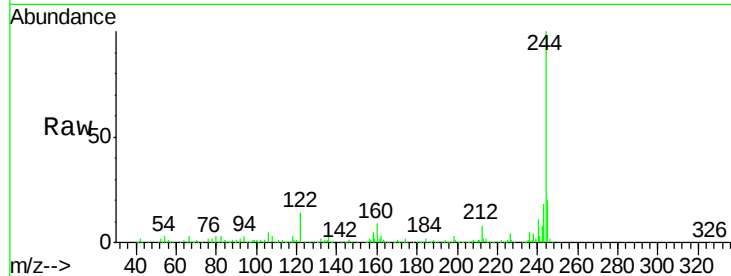
ClientSampleId :

AST-HC-WEST

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.7	8.5
122	14.3	7.4	11.0

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#80

Benzo(a)anthracene

Concen: 6.45 ng

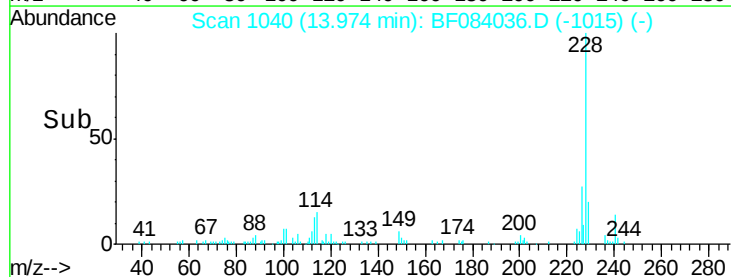
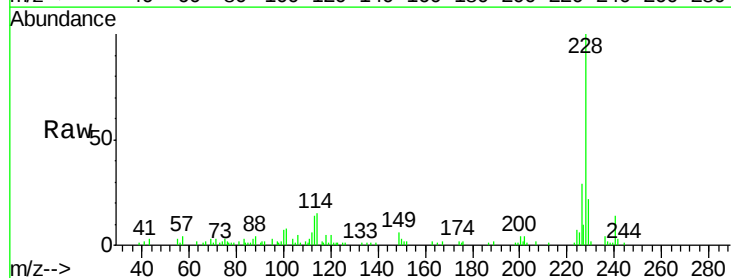
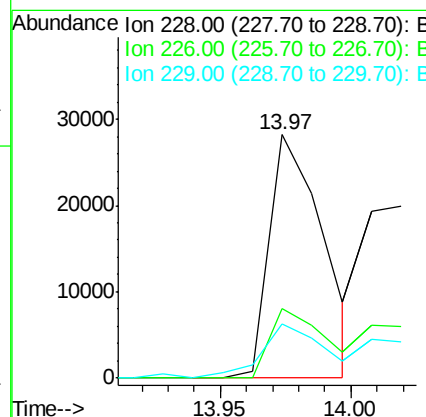
RT: 13.97 min Scan# 1040

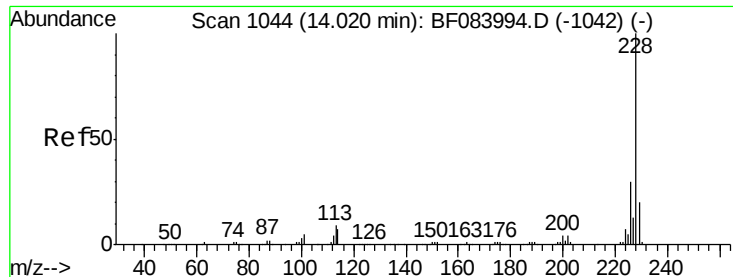
Delta R.T. -0.01 min

Lab File: BF084036.D

Acq: 23 Dec 2015 13:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	21.8	32.6
229	22.4	15.8	23.8





#82

Chrysene

Concen: 4.79 ng/mL

RT: 14.02 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BF084036.D

Acq: 23 Dec 2015 13:36

Instrument :

BNA_F

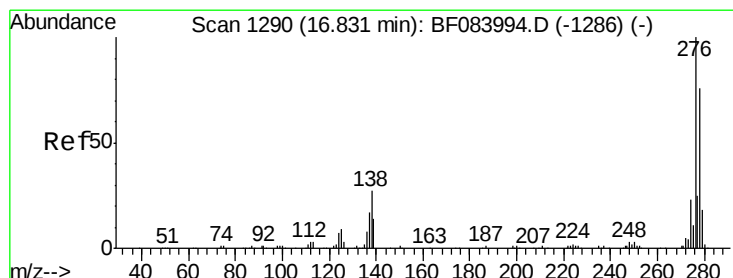
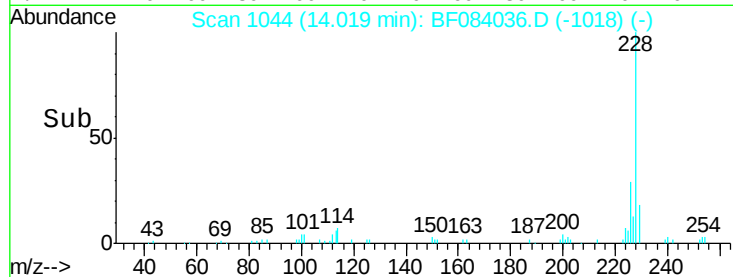
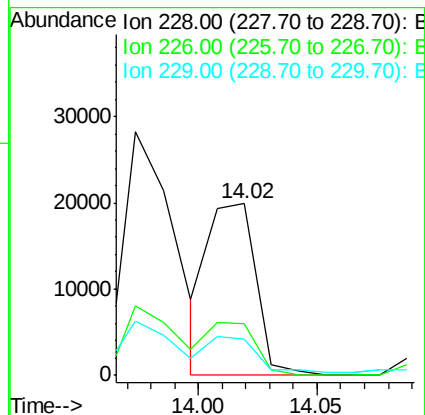
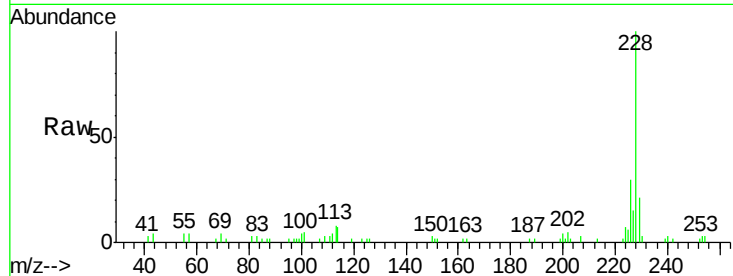
ClientSampleId :

AST-HC-WEST

Tot Ion:	228	Resp:	27987
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.3	36.5
229	21.5	16.1	24.1

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.91 ng/mL

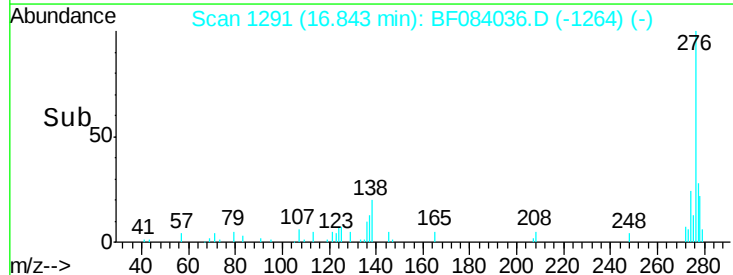
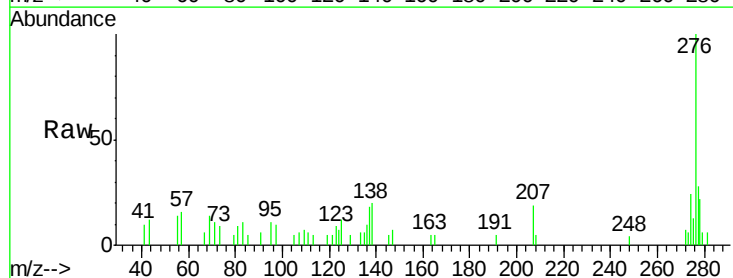
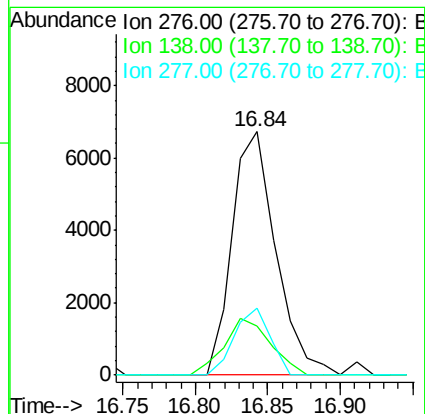
RT: 16.84 min Scan# 1291

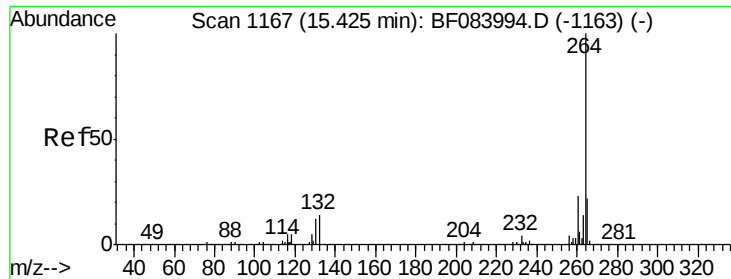
Delta R.T. 0.01 min

Lab File: BF084036.D

Acq: 23 Dec 2015 13:36

Tgt Ion:	276	Resp:	14089
Ion Ratio	Lower	Upper	
276	100		
138	25.0	20.6	30.8
277	22.5	20.1	30.1





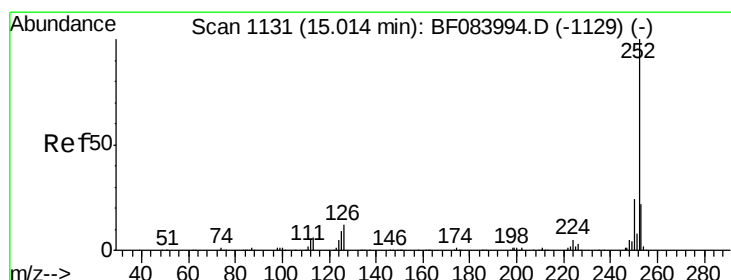
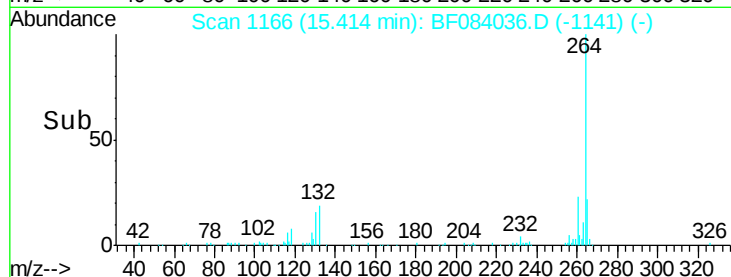
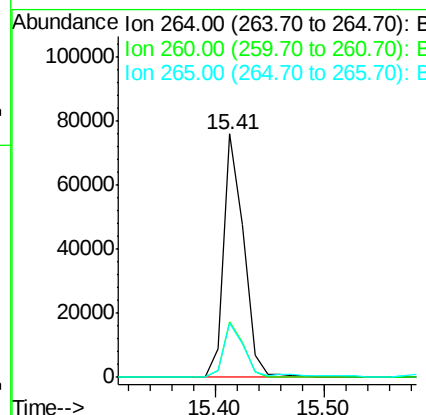
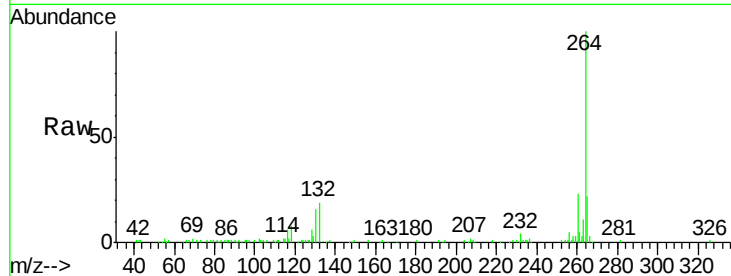
#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: BF084036.D
 Acq: 23 Dec 2015 13:36

Instrument :
 BNA_F
 ClientSampleId :
 AST-HC-WEST

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.4	29.2
265	22.1	17.8	26.6

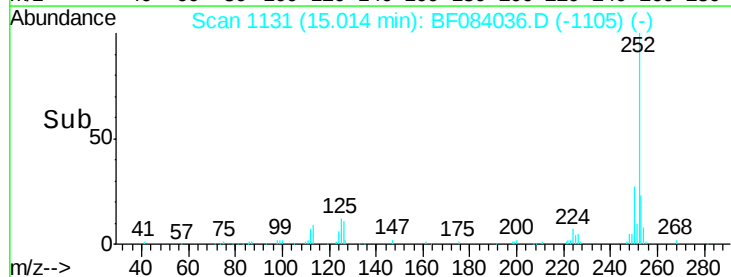
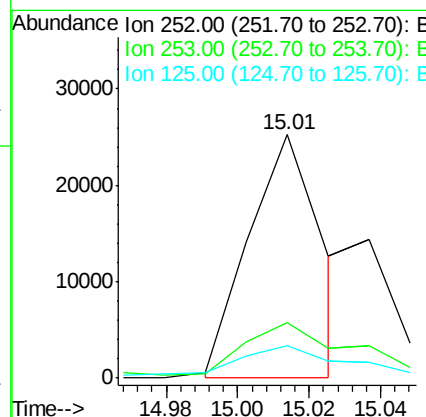
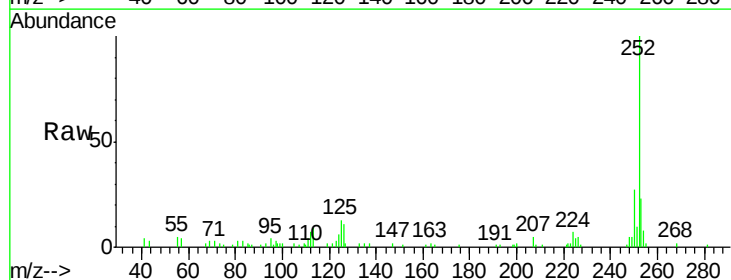
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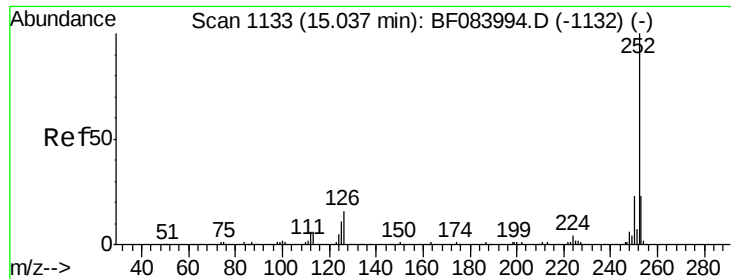
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#87
 Benzo(b)fluoranthene
 Concen: 5.78 ng m
 RT: 15.01 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: BF084036.D
 Acq: 23 Dec 2015 13:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	13.2	6.5	9.7#





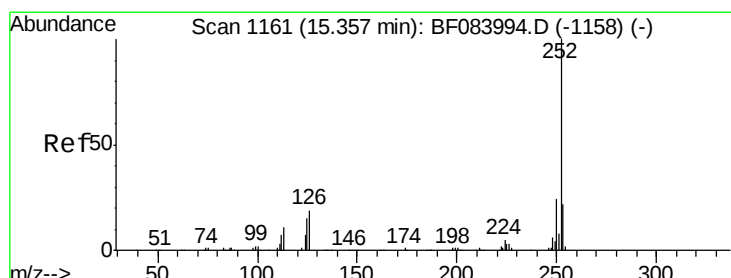
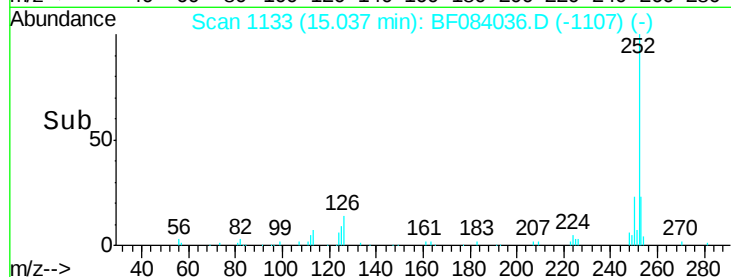
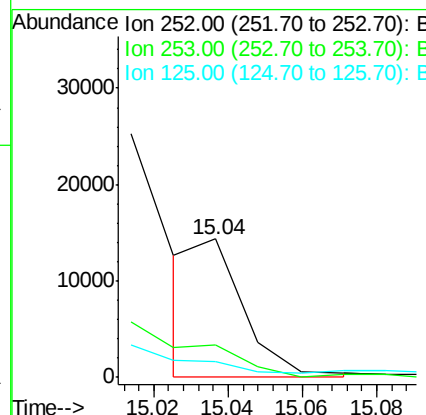
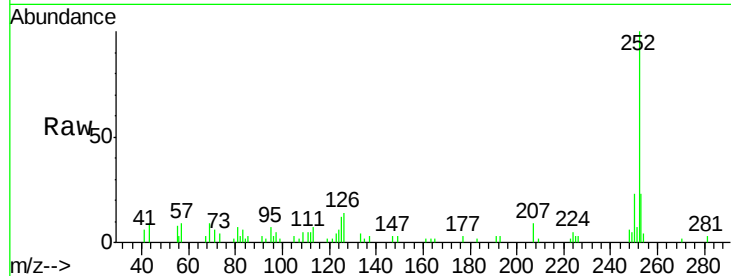
#88
Benzo(k)fluoranthene
Concen: 2.23 ng m
RT: 15.04 min Scan# 1133
Delta R.T. -0.00 min
Lab File: BF084036.D
Acq: 23 Dec 2015 13:36

Instrument :
BNA_F
ClientSampleId :
AST-HC-WEST

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	11.6	9.0	13.6

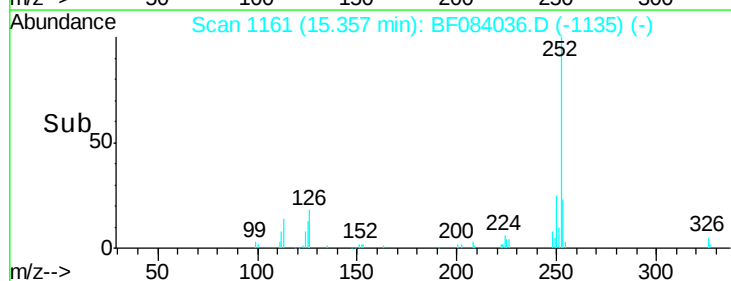
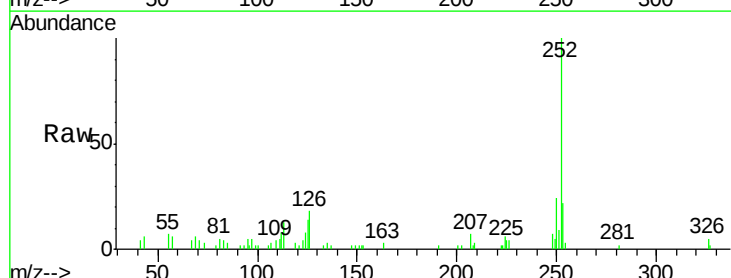
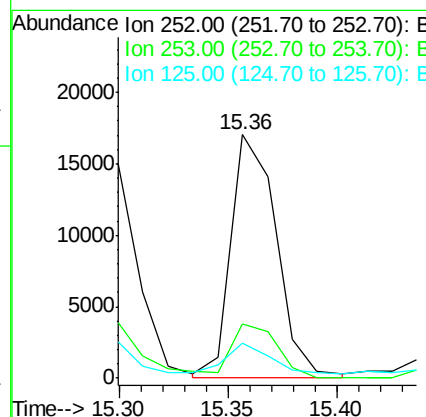
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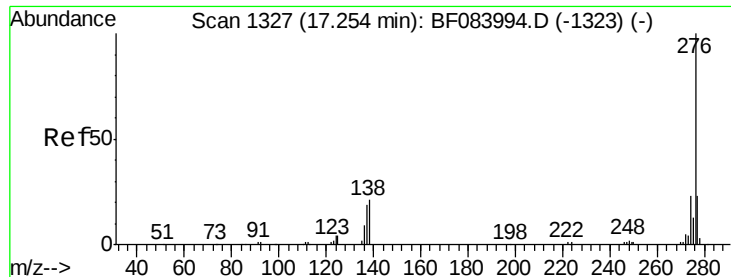
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#89
Benzo(a)pyrene
Concen: 4.33 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BF084036.D
Acq: 23 Dec 2015 13:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.3	25.9
125	14.4	7.0	10.4





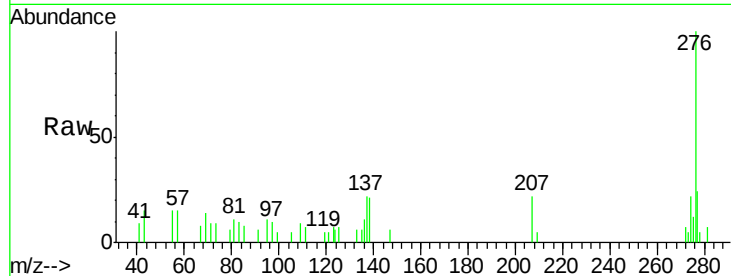
#91
 Benzo(a,h,i)perylene
 Concen: 2.73 ng
 RT: 17.27 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: BF084036.D
 Acq: 23 Dec 2015 13:36

Instrument :
 BNA_F
 ClientSampleId :
 AST-HC-WEST

Tot Ion:	276	Resp:	13061
Ion Ratio	Lower	Upper	
276	100		
277	24.1	18.8	28.2
138	20.5	17.8	26.6

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

