

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
 Data File : BF090904.D
 Acq On : 28 Oct 2016 12:33
 Operator : UM/SJ
 Sample : H5411-04 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-0-2.0

Manual Integrations
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Quant Time: Oct 28 13:54:36 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 28 13:32:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	199937	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	804734	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	427039	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	565607	20.00	ng	0.00
75) Chrysene-d12	13.92	240	392099	20.00	ng	-0.01
86) Perylene-d12	15.33	264	451696	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	83700	7.32	ng	-0.01
7) Phenol-d6	6.40	99	129035	8.36	ng	-0.02
23) Nitrobenzene-d5	7.32	82	74787	6.08	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	13954	3.18	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	117572	4.83	ng	-0.01
78) Terphenyl-d14	12.87	244	64416	4.14	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	11.31	178	216557	7.52	ng	97
74) Fluoranthene	12.50	202	228869	7.26	ng	90
77) Pyrene	12.72	202	208882	8.42	ng	93
80) Benzo(a)anthracene	13.92	228	100372	4.82	ng	93
82) Chrysene	13.95	228	82754m	3.93	ng	
85) Indeno(1,2,3-cd)pyrene	16.67	276	60360	3.24	ng	# 90
87) Benzo(b)fluoranthene	14.93	252	110239m	3.63	ng	
89) Benzo(a)pyrene	15.27	252	96666	3.70	ng	93
91) Benzo(g,h,i)perylene	17.08	276	59920	2.88	ng	# 83

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

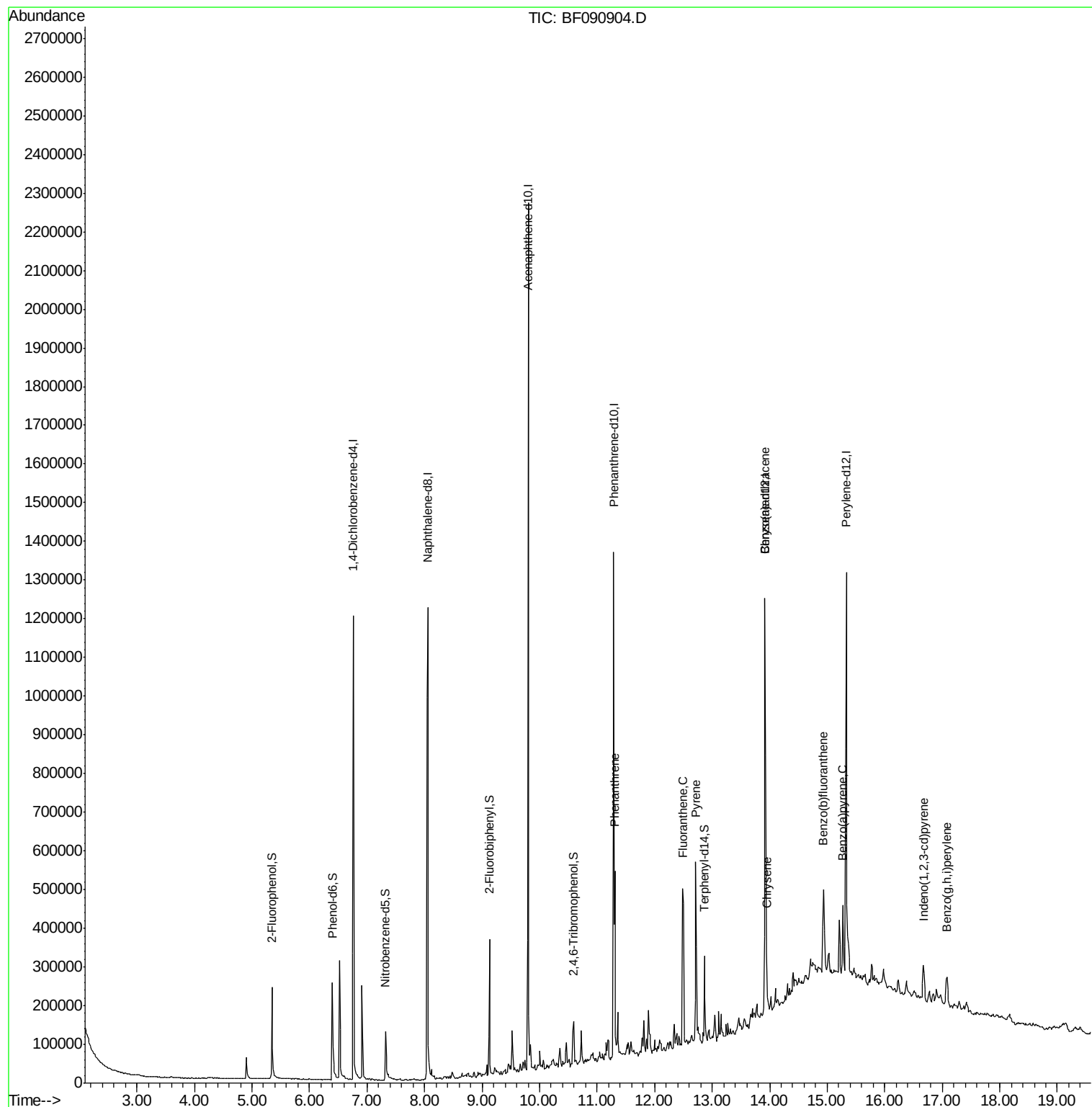
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
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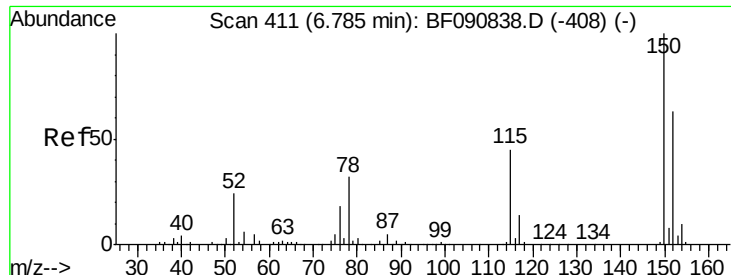
Instrument :
BNA_F
ClientSampleId :
SB-02-0-2.0

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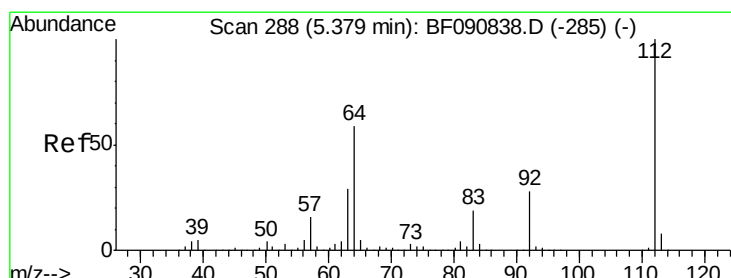
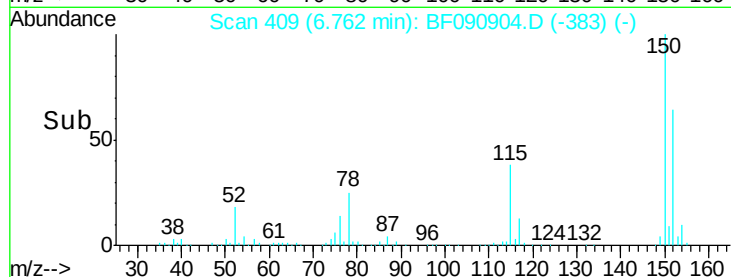
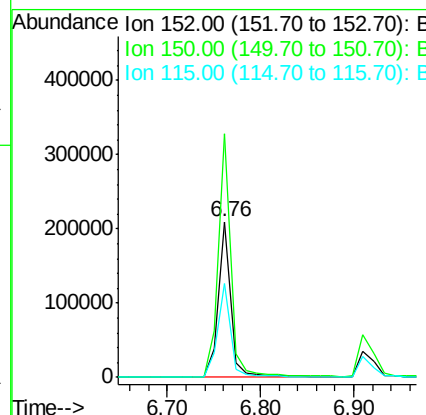
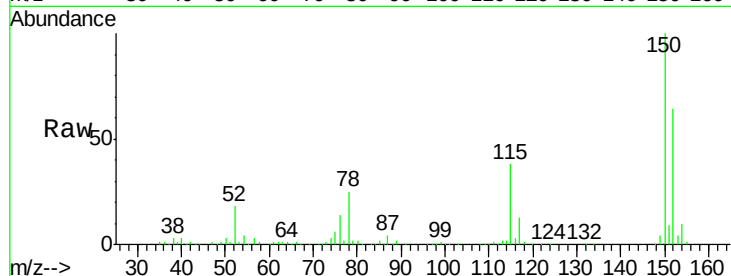
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 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.76 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: BF090904.D
 Acq: 28 Oct 2016 12:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-0-2.0

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.7	187.1
115	60.2	39.0	58.4#

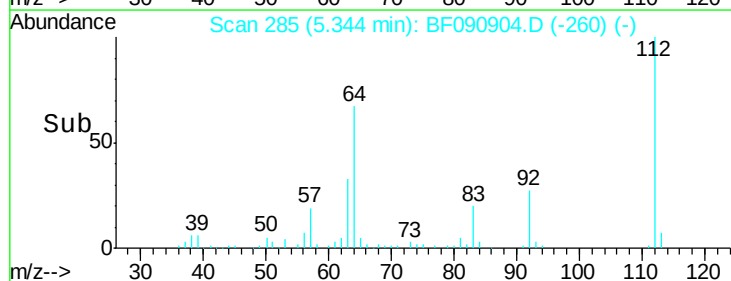
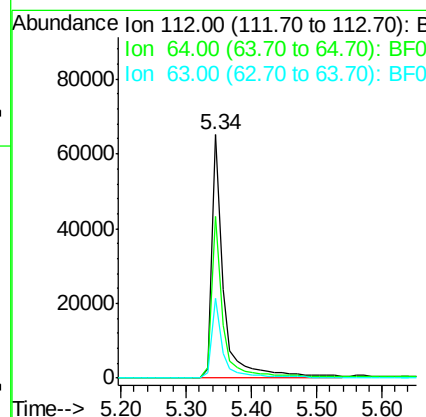
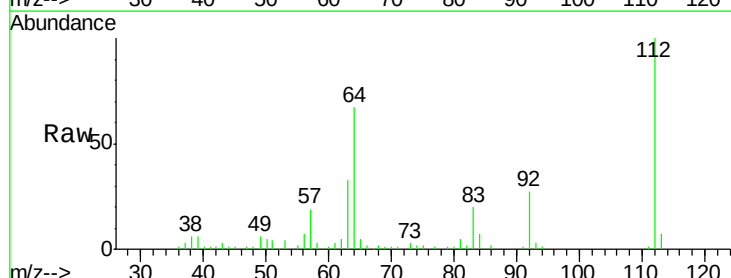
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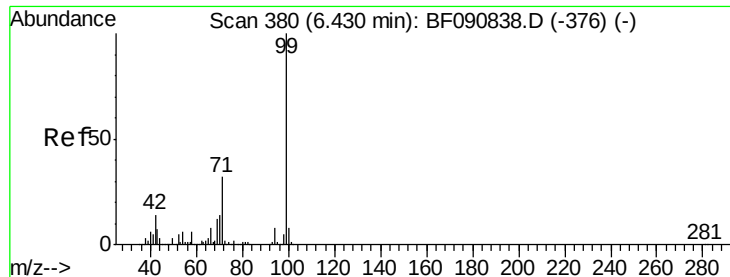
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#5
 2-Fluorophenol
 Concen: 7.32 ng
 RT: 5.34 min Scan# 285
 Delta R.T. -0.01 min
 Lab File: BF090904.D
 Acq: 28 Oct 2016 12:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.6	39.7	59.5#
63	32.7	17.4	26.0#





#7

Phenol-d6

Concen: 8.36 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF090904.D

Acq: 28 Oct 2016 12:33

Instrument :

BNA_F

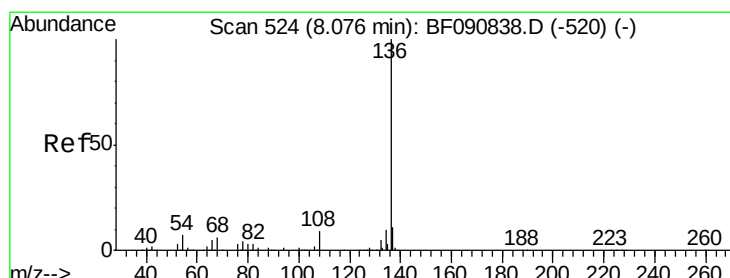
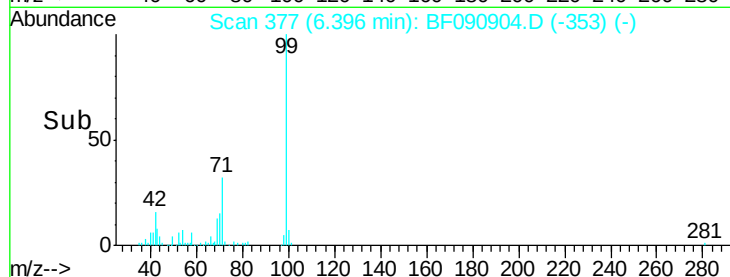
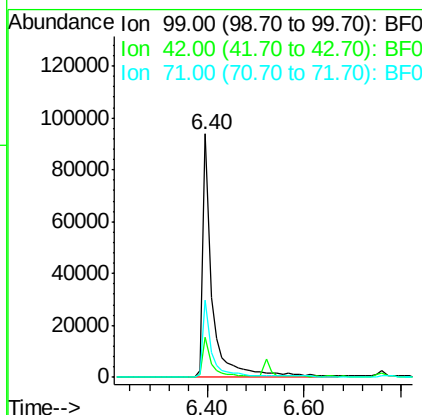
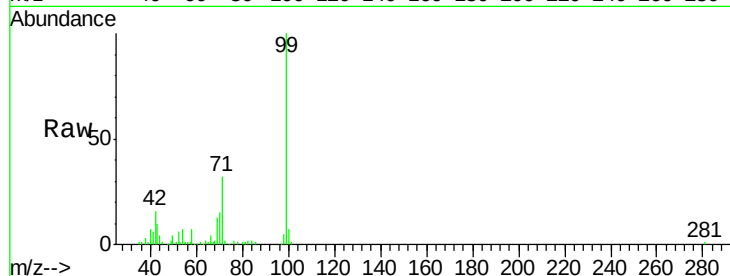
ClientSampleId :

SB-02-0-2.0

Tgt Ion:	99	Resp:	129035
Ion Ratio	Lower	Upper	
99	100		
42	16.3	13.7	20.5
71	31.9	14.2	21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

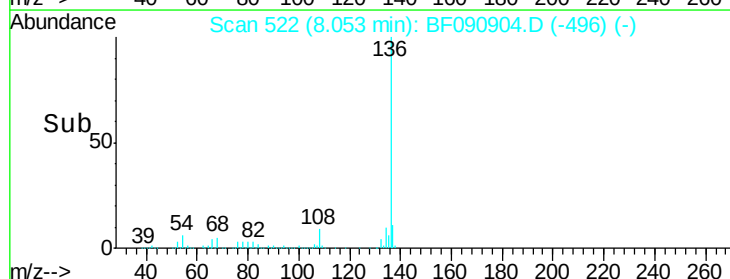
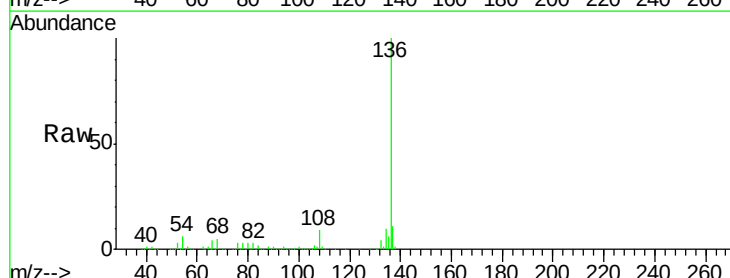
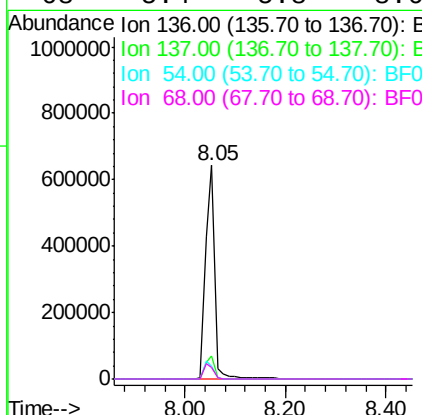
RT: 8.05 min Scan# 522

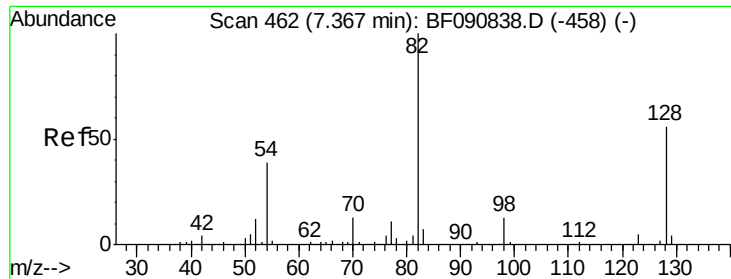
Delta R.T. 0.00 min

Lab File: BF090904.D

Acq: 28 Oct 2016 12:33

Tgt Ion:	136	Resp:	804734
Ion Ratio	Lower	Upper	
136	100		
137	10.6	9.0	13.6
54	5.8	8.2	12.2#
68	5.4	5.8	8.6#





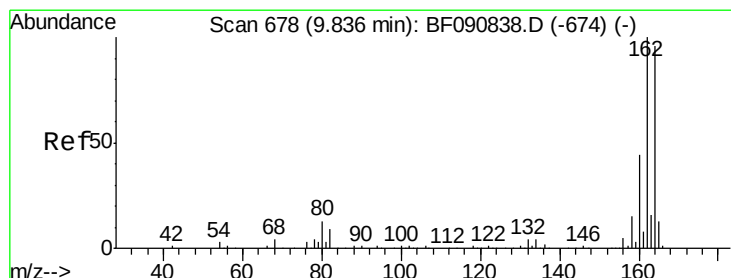
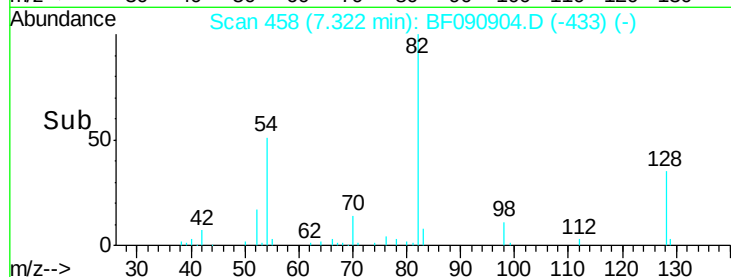
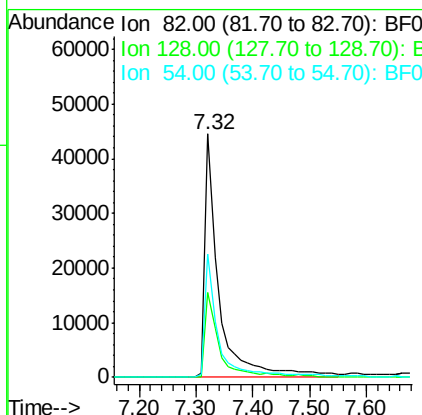
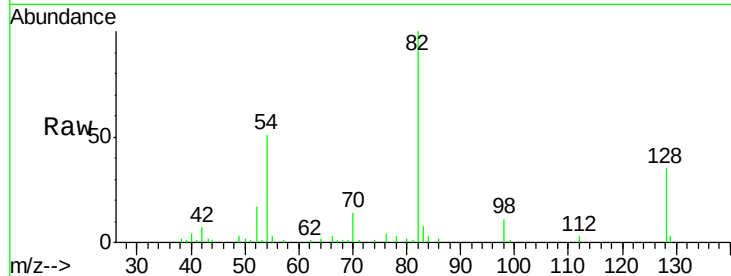
#23
 Nitrobenzene-d5
 Concen: 6.08 ng
 RT: 7.32 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: BF090904.D
 Acq: 28 Oct 2016 12:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-0-2.0

Tgt Ion	Ratio	Lower	Upper
82	100		
128	35.1	51.0	76.6#
54	50.8	47.5	71.3

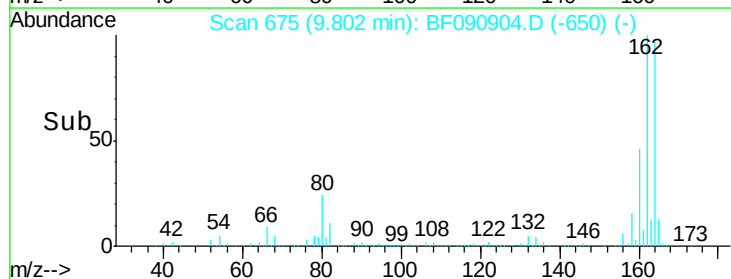
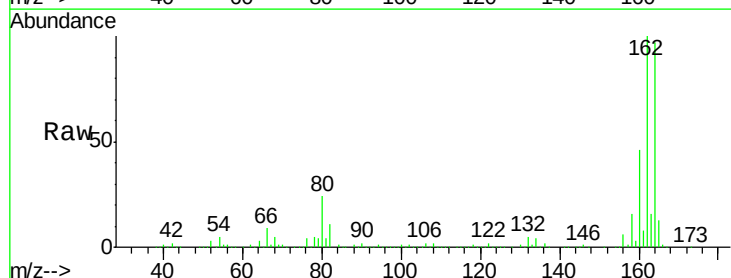
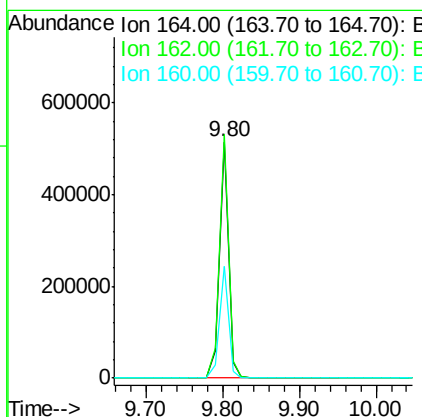
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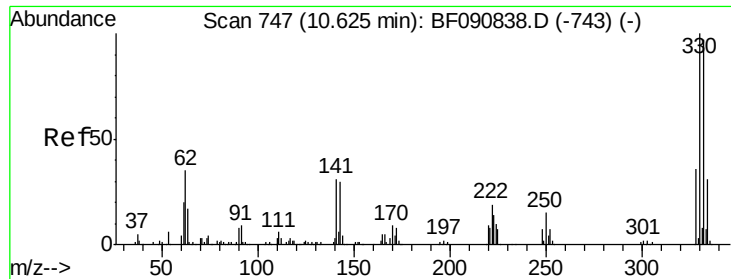
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: BF090904.D
 Acq: 28 Oct 2016 12:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	75.2	112.8
160	47.4	31.5	47.3#





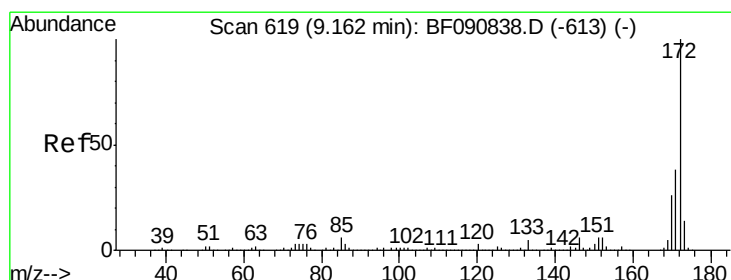
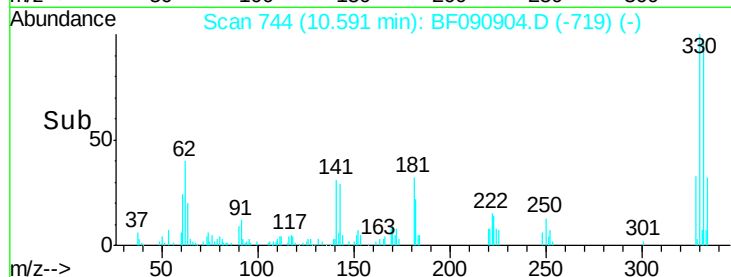
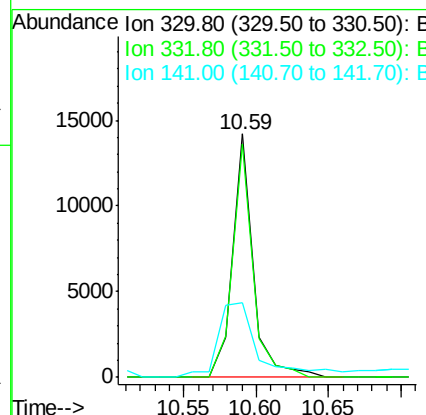
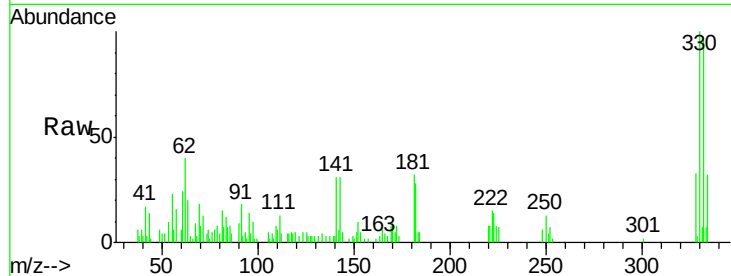
#41
 2,4,6-Tribromophenol
 Concen: 3.18 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF090904.D
 Acq: 28 Oct 2016 12:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-0-2.0

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	13954		
332	95.3	76.6	114.8	
141	65.7	29.7	44.5#	

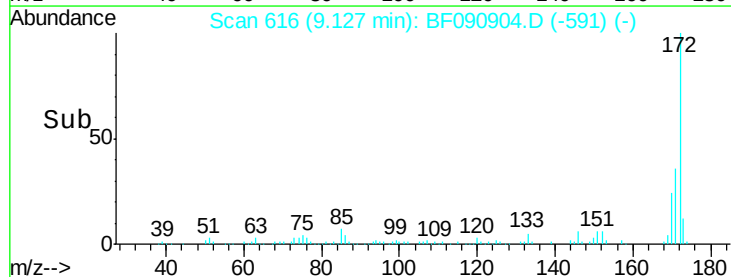
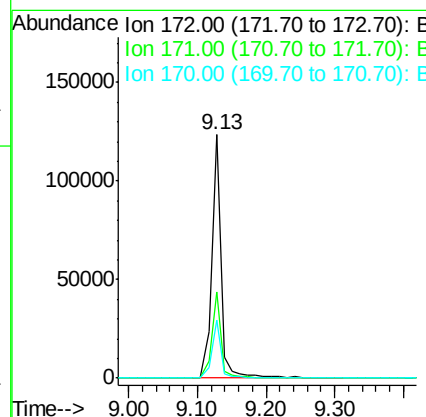
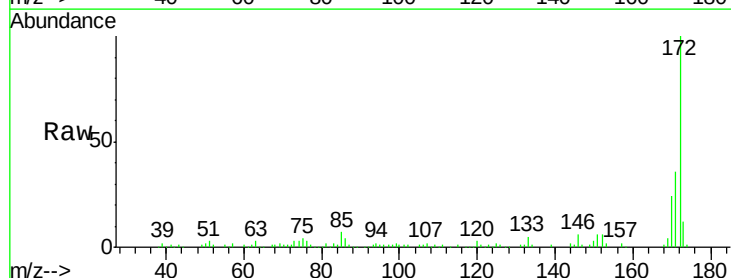
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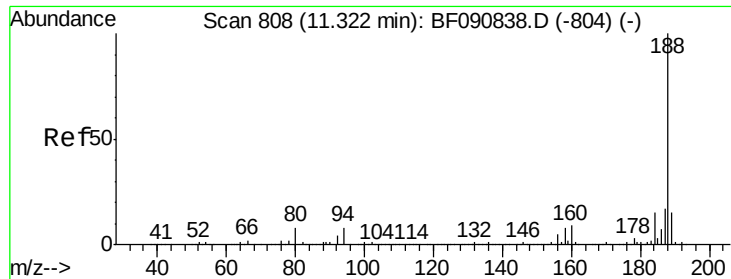
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#44
 2-Fluorobiphenyl
 Concen: 4.83 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF090904.D
 Acq: 28 Oct 2016 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	117572		
171	35.5	26.1	39.1	
170	23.8	17.4	26.2	





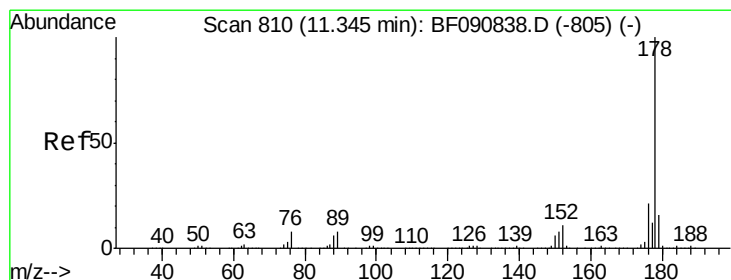
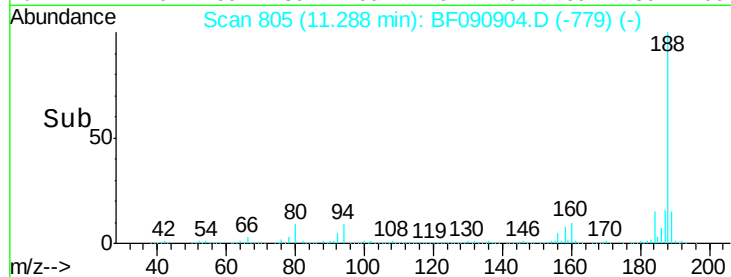
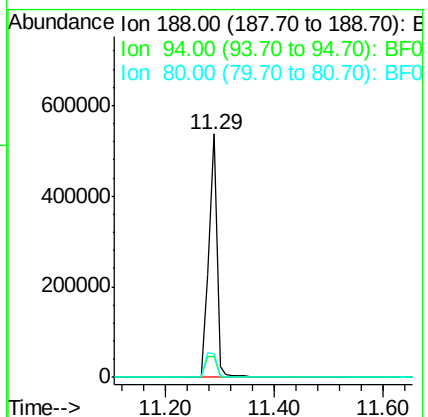
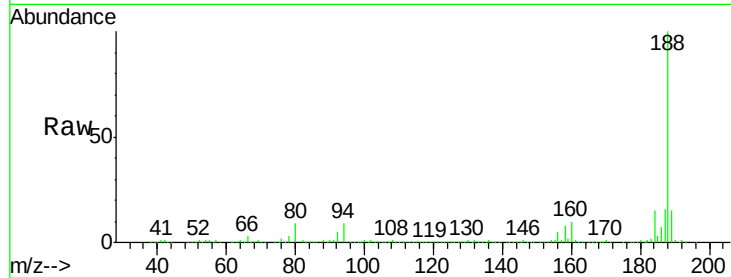
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF090904.D
Acq: 28 Oct 2016 12:33

Instrument :
BNA_F
ClientSampleId :
SB-02-0-2.0

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.8	11.1	16.7#
80	9.4	11.0	16.4#

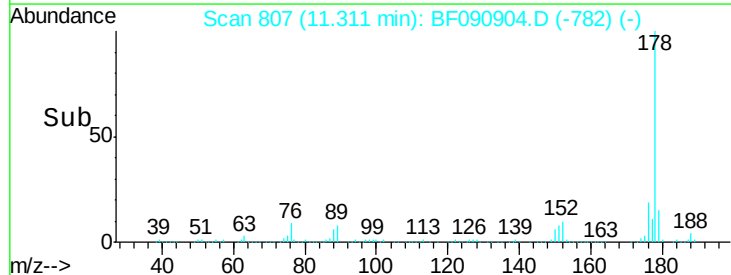
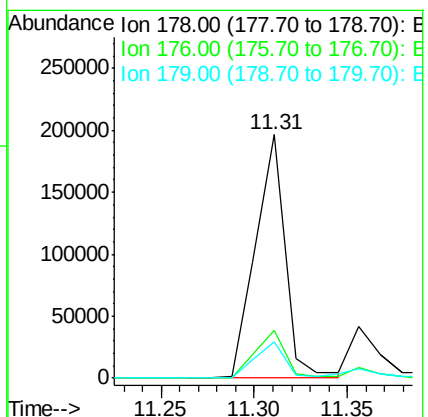
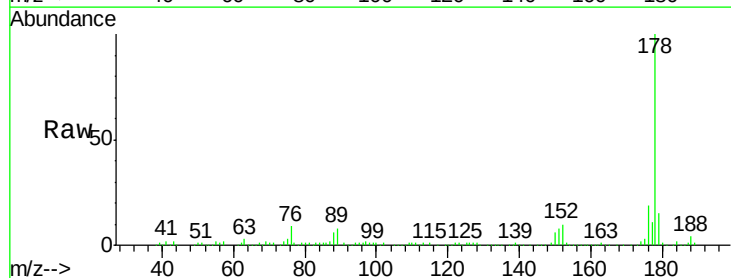
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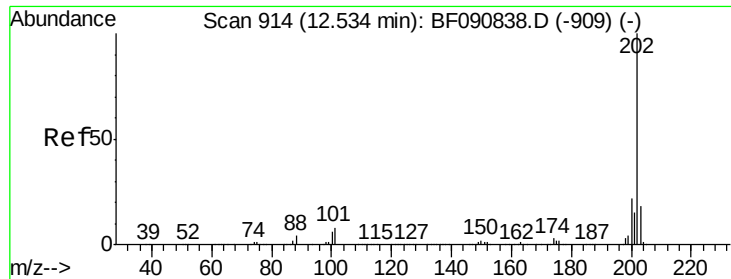
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#70
Phenanthrene
Concen: 7.52 ng
RT: 11.31 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF090904.D
Acq: 28 Oct 2016 12:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.4	13.8	20.8
179	15.1	12.2	18.2





#74

Fluoranthene

Concen: 7.26 ng

RT: 12.50 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF090904.D

Acq: 28 Oct 2016 12:33

Instrument :

BNA_F

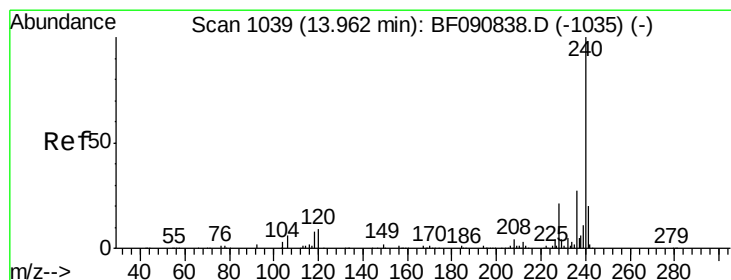
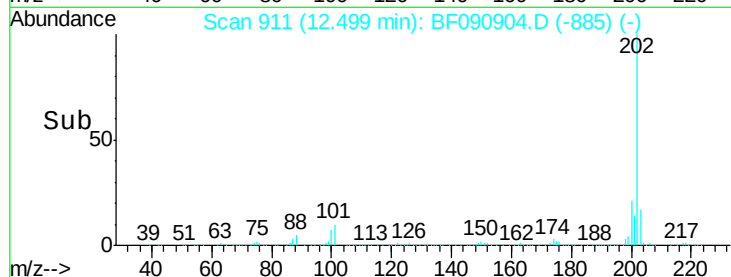
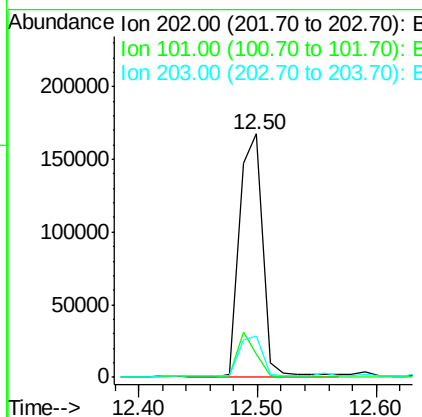
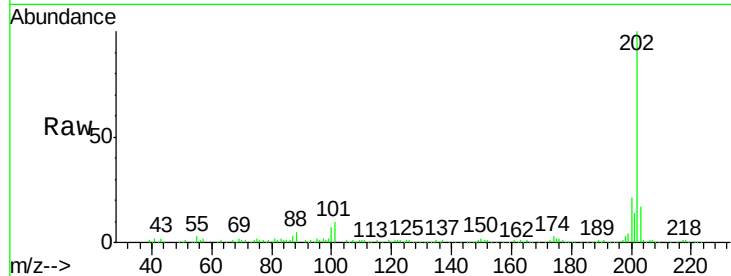
ClientSampleId :

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Tgt Ion:	202	Resp:	228869
Ion Ratio	Lower	Upper	
202	100		
101	9.8	0.0	38.3
203	17.0	0.0	37.3

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#75

Chrysene-d12

Concen: 20.00 ng

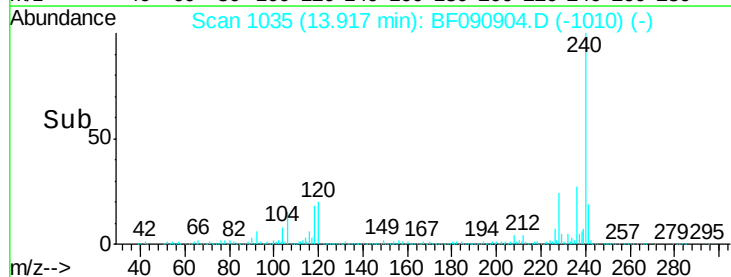
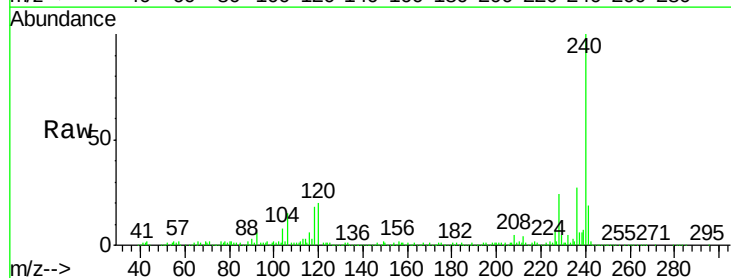
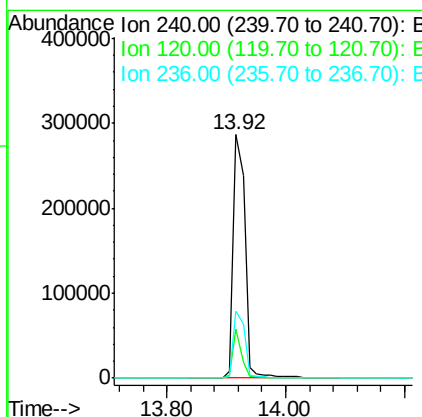
RT: 13.92 min Scan# 1035

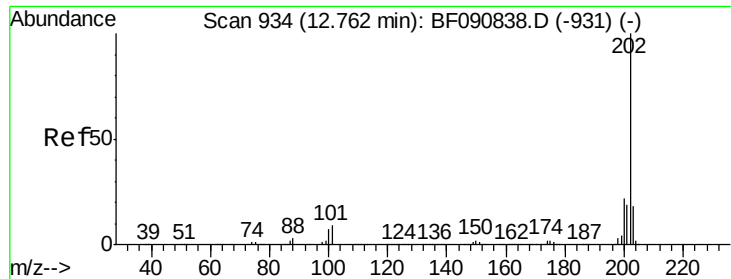
Delta R.T. -0.01 min

Lab File: BF090904.D

Acq: 28 Oct 2016 12:33

Tgt Ion:	240	Resp:	392099
Ion Ratio	Lower	Upper	
240	100		
120	19.9	16.2	24.2
236	27.3	18.4	27.6





#77

Pyrene

Concen: 8.42 ng

RT: 12.72 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF090904.D

Acq: 28 Oct 2016 12:33

Instrument :

BNA_F

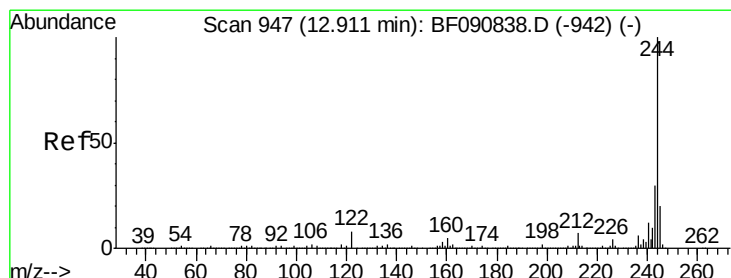
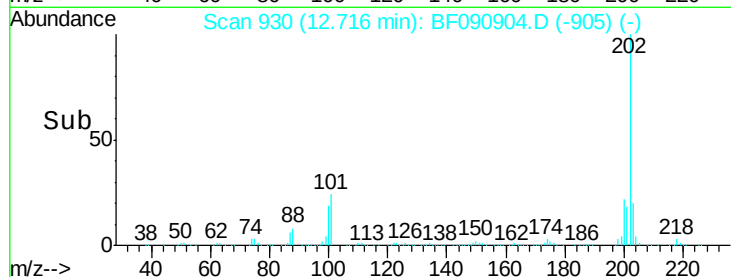
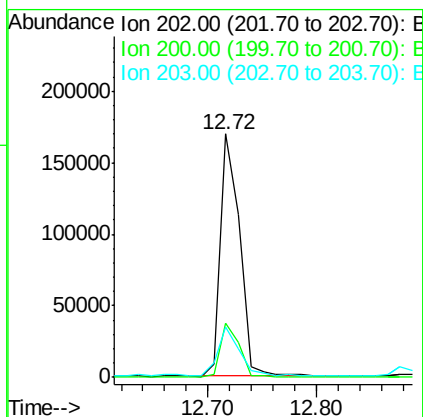
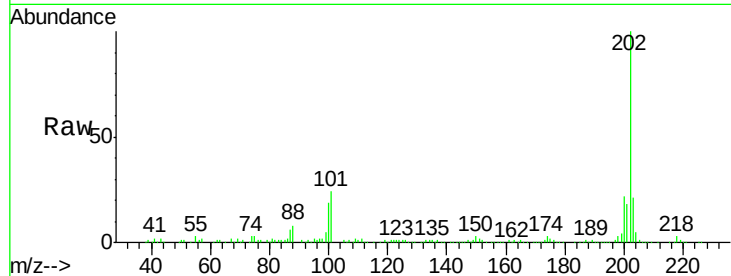
ClientSampleId :

SB-02-0-2.0

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	208882		
200	22.0	15.0	22.4	
203	20.7	14.1	21.1	

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#78

Terphenyl-d14

Concen: 4.14 ng

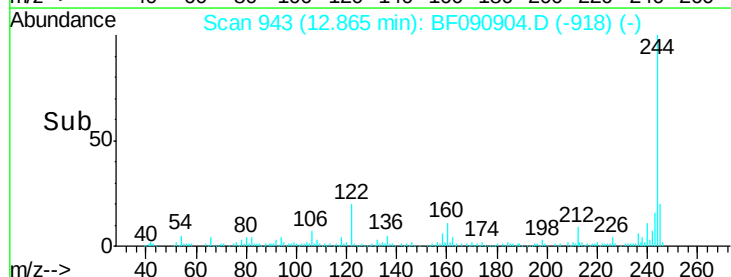
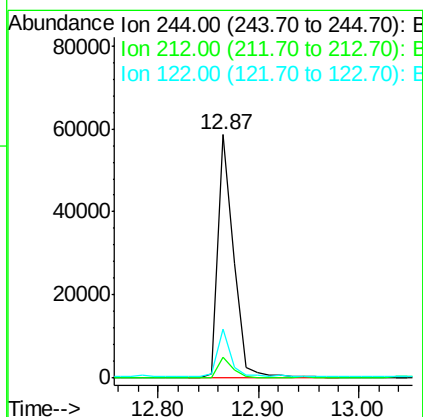
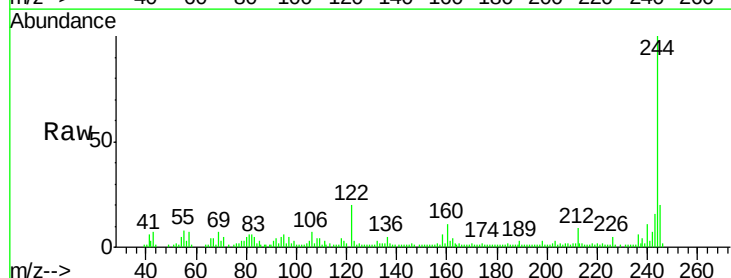
RT: 12.87 min Scan# 943

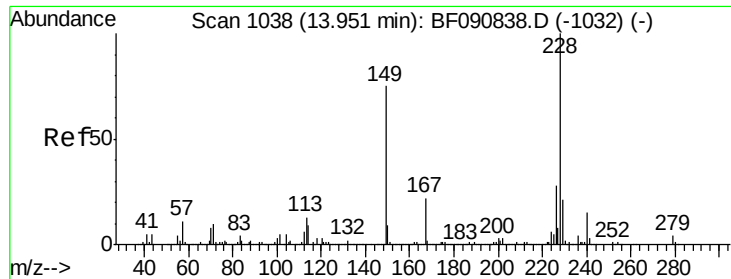
Delta R.T. -0.01 min

Lab File: BF090904.D

Acq: 28 Oct 2016 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	64416		
212	8.5	4.3	6.5#	
122	20.3	17.4	26.2	





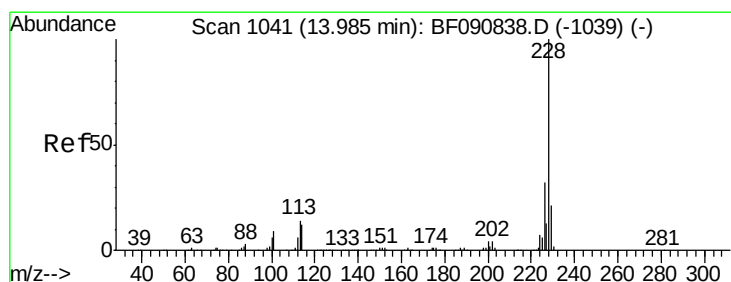
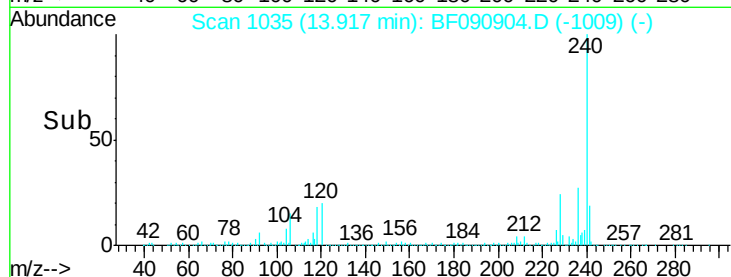
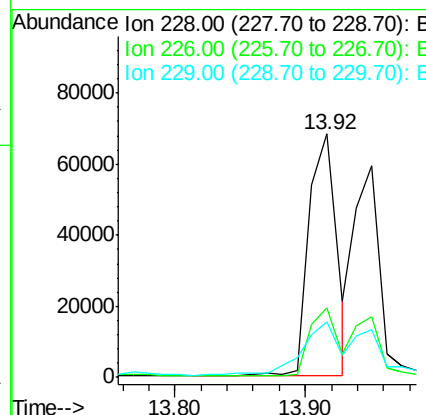
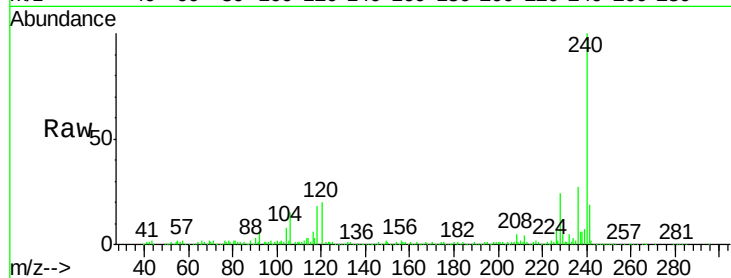
#80
Benzo(a)anthracene
Concen: 4.82 ng
RT: 13.92 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF090904.D
Acq: 28 Oct 2016 12:33

Instrument :
BNA_F
ClientSampleId :
SB-02-0-2.0

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	20.0	30.0
229	22.6	15.4	23.2

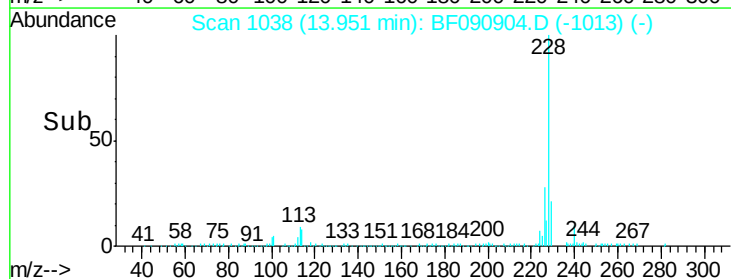
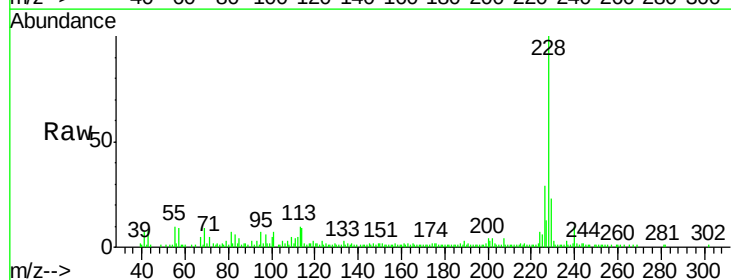
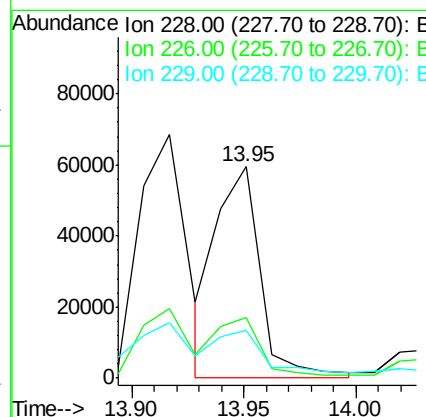
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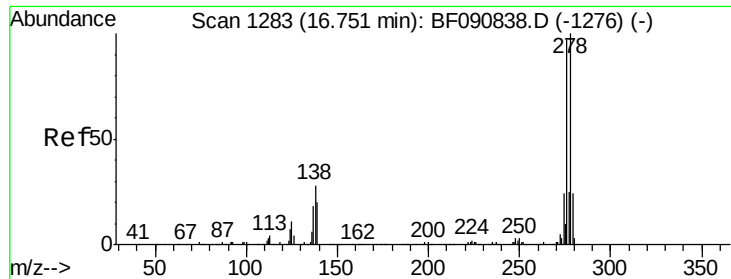
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#82
Chrysene
Concen: 3.93 ng m
RT: 13.95 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF090904.D
Acq: 28 Oct 2016 12:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.0	31.4
229	22.6	15.6	23.4





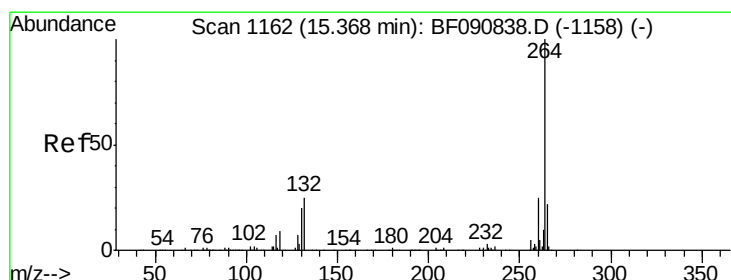
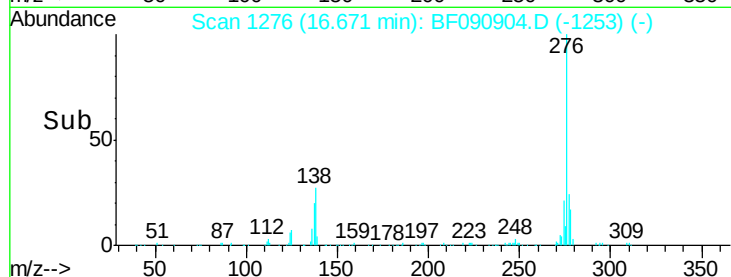
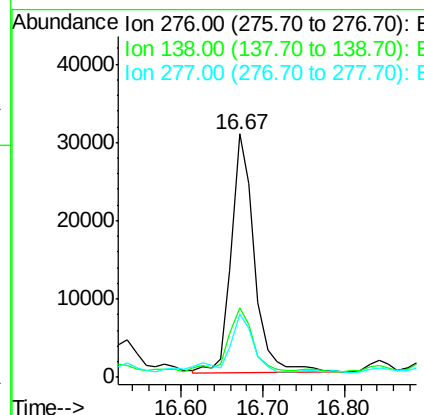
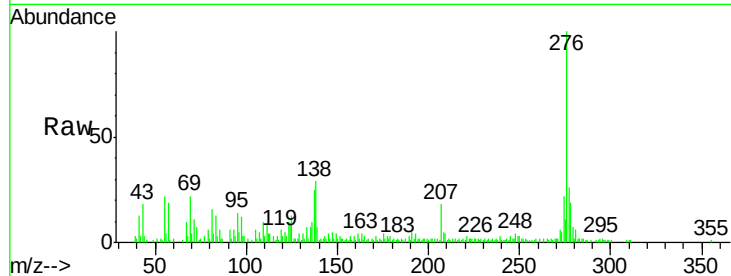
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.24 ng
 RT: 16.67 min Scan# 1276
 Delta R.T. -0.03 min
 Lab File: BF090904.D
 Acq: 28 Oct 2016 12:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-0-2.0

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.1	25.7	38.5
277	26.6	15.6	23.4

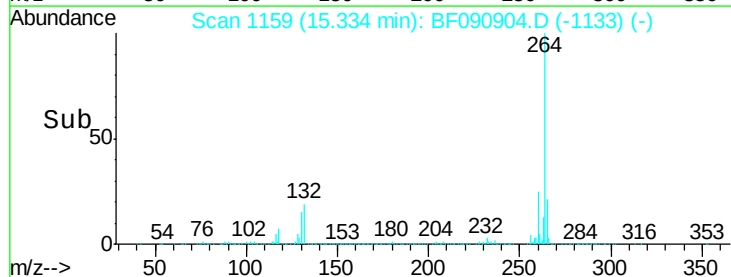
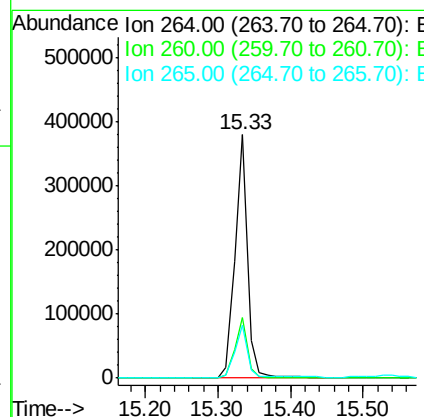
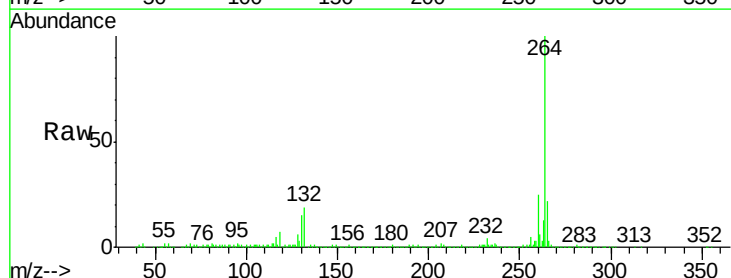
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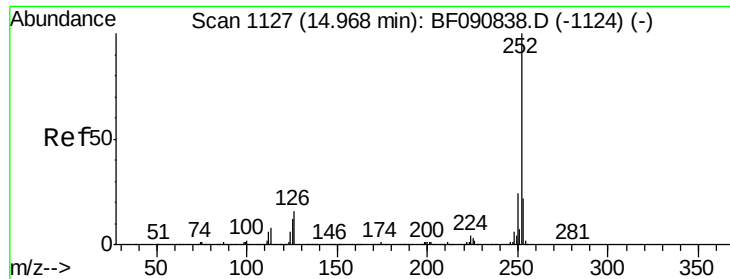
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.33 min Scan# 1159
 Delta R.T. 0.00 min
 Lab File: BF090904.D
 Acq: 28 Oct 2016 12:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	16.7	25.1
265	21.6	17.2	25.8





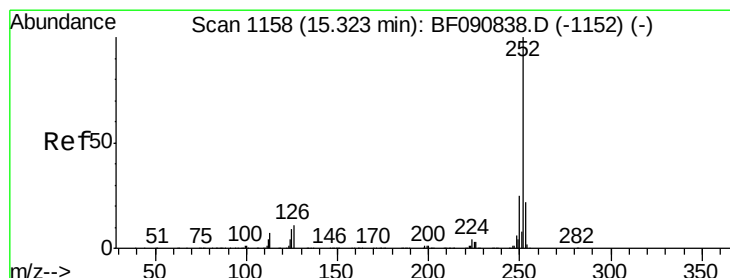
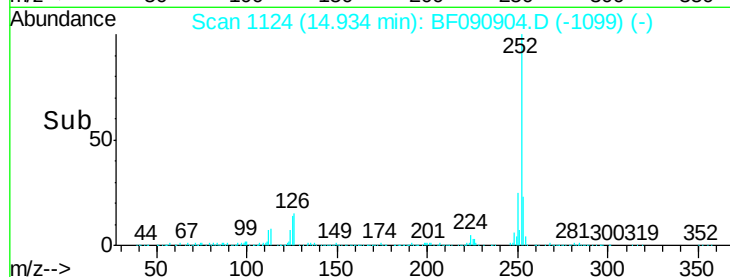
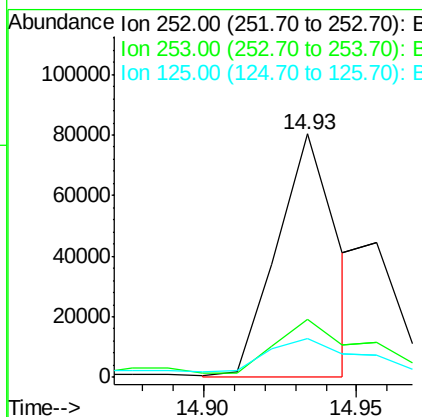
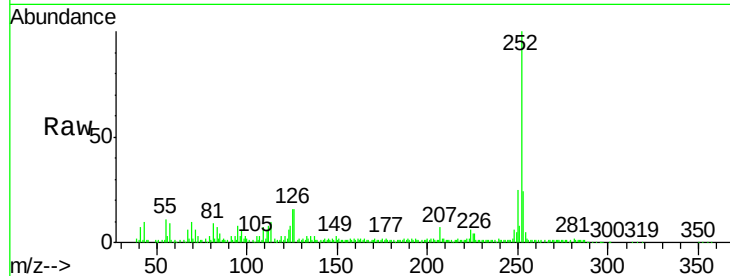
#87
Benzo(b)fluoranthene
Concen: 3.63 ng m
RT: 14.93 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF090904.D
Acq: 28 Oct 2016 12:33

Instrument :
BNA_F
ClientSampled :
SB-02-0-2.0

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	16.1	17.1	25.7#

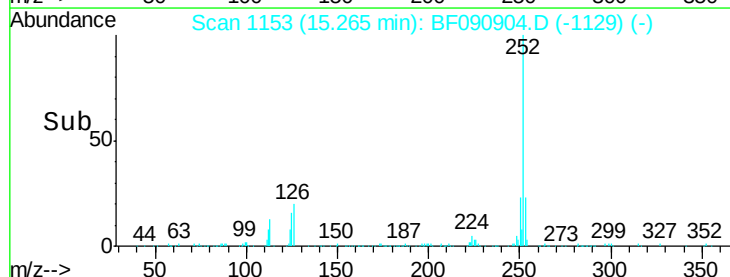
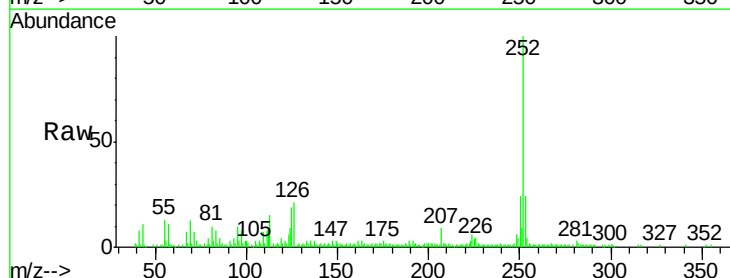
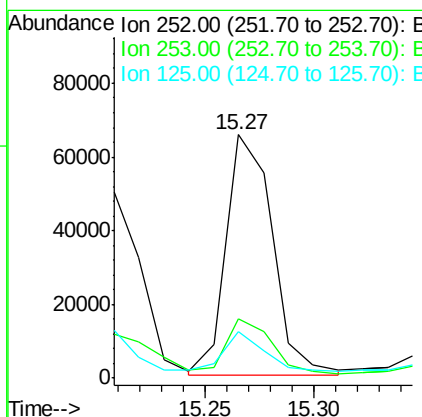
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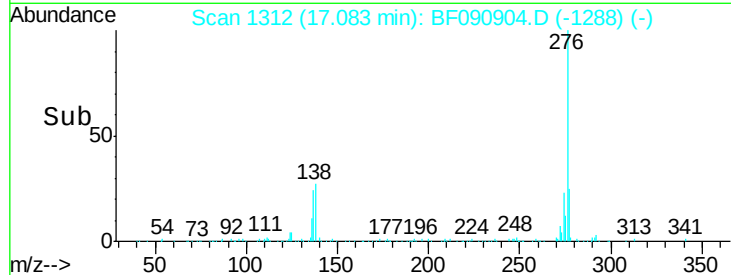
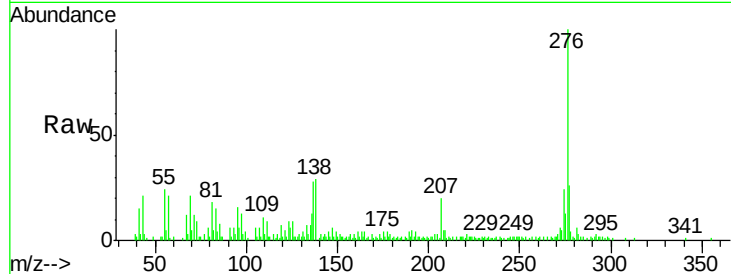
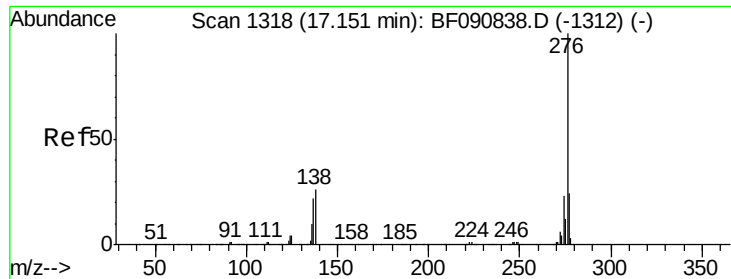
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#89
Benzo(a)pyrene
Concen: 3.70 ng
RT: 15.27 min Scan# 1153
Delta R.T. -0.02 min
Lab File: BF090904.D
Acq: 28 Oct 2016 12:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.2	25.8
125	19.1	18.0	27.0





#91
 Benzo(g,h,i)perylene
 Concen: 2.88 ng
 RT: 17.08 min Scan# 1312
 Delta R.T. -0.02 min
 Lab File: BF090904.D
 Acq: 28 Oct 2016 12:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-0-2.0

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	26.1	17.8	26.6
138	29.5	34.6	51.8#

Manual Integrations
 APPROVED

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