

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
 Data File : BF099706.D
 Acq On : 20 Oct 2017 17:42
 Operator : SJ/JU
 Sample : I5981-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-01-101817-A

Manual Integrations
 APPROVED

Sohil
 10/23/2017 3:26:20 PM

Quant Time: Oct 22 00:21:14 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 20 13:11:43 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	95770	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	382809	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	153155	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	209470	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	181611	20.00	ng	0.00
86) Perylene-d12	15.44	264	188951	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	143162	23.80	ng	0.00
7) Phenol-d6	6.45	99	171408	23.10	ng	-0.01
23) Nitrobenzene-d5	7.37	82	93820	15.72	ng	-0.02
41) 2,4,6-Tribromophenol	10.64	330	24196	19.31	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	188063	20.50	ng	-0.01
78) Terphenyl-d14	12.91	244	111427	13.95	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	11.36	178	62875	5.608	ng	97
74) Fluoranthene	12.55	202	101660	8.954	ng	96
77) Pyrene	12.78	202	89265	6.446	ng	97
80) Benzo(a)anthracene	13.97	228	45635	4.150	ng	97
82) Chrysene	14.00	228	43288	4.135	ng	99
85) Indeno(1,2,3-cd)pyrene	16.90	276	24518	2.927	ng	99
87) Benzo(b)fluoranthene	15.02	252	61389m	5.284	ng	
89) Benzo(a)pyrene	15.38	252	41988	3.937	ng	95
91) Benzo(g,h,i)perylene	17.35	276	22477	2.664	ng	95

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

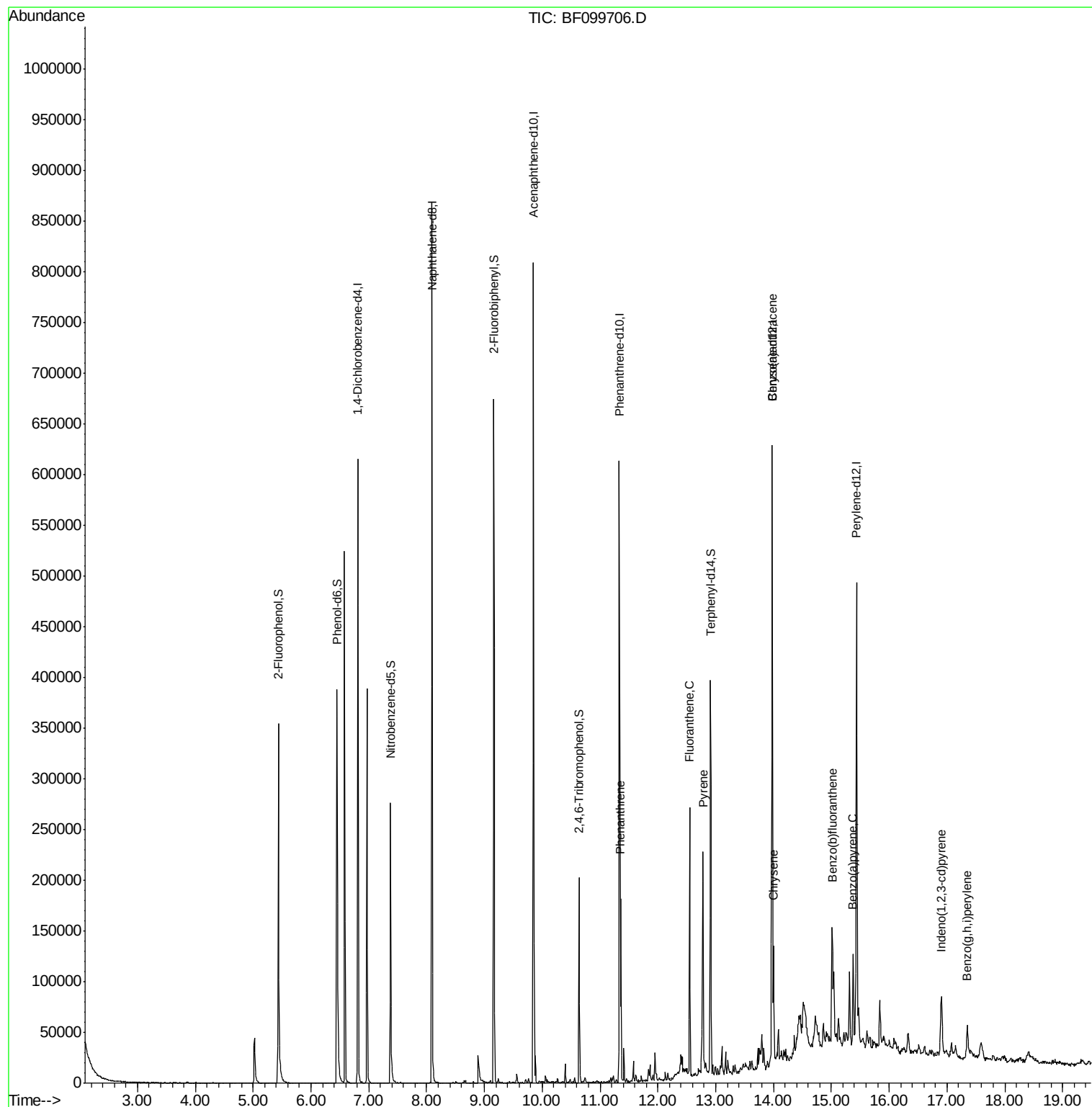
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099706.D
Acq On : 20 Oct 2017 17:42
Operator : SJ/JU
Sample : I5981-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

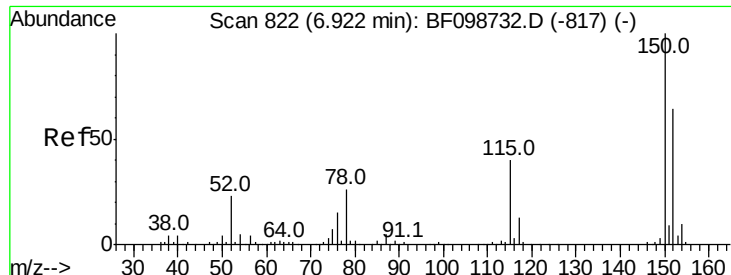
Instrument :
BNA_F
ClientSampleId :
NB-01-101817-A

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#1

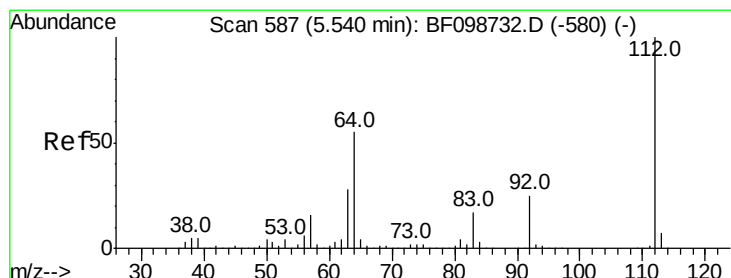
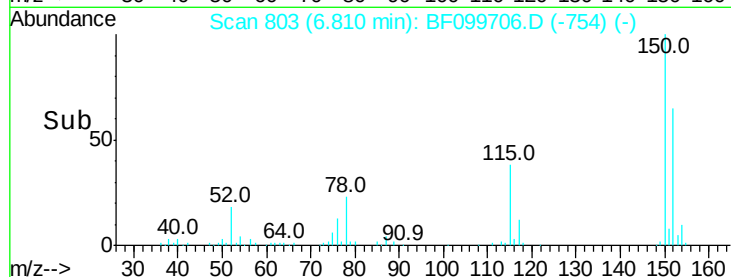
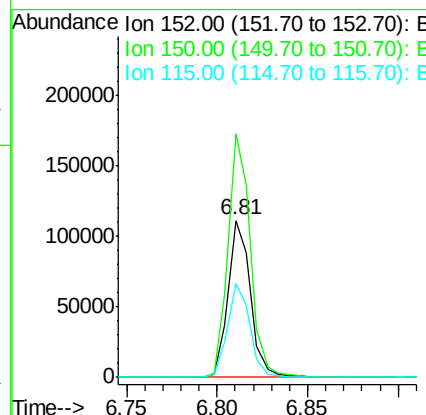
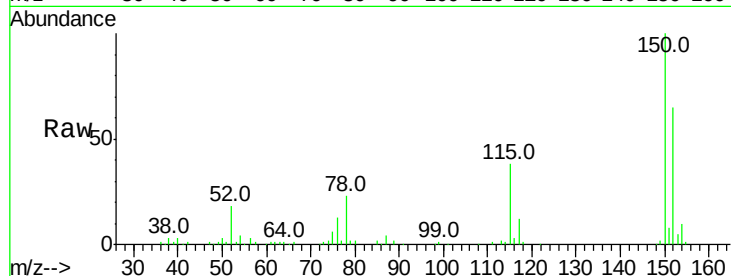
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF099706.D
Acq: 20 Oct 2017 17:42

Instrument :
BNA_F
ClientSampleId :
NB-01-101817-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.6	186.8
115	59.5	50.1	75.1

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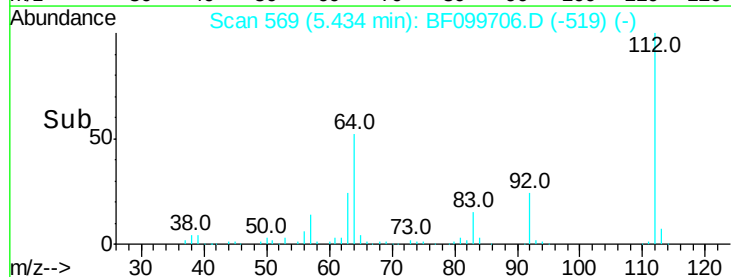
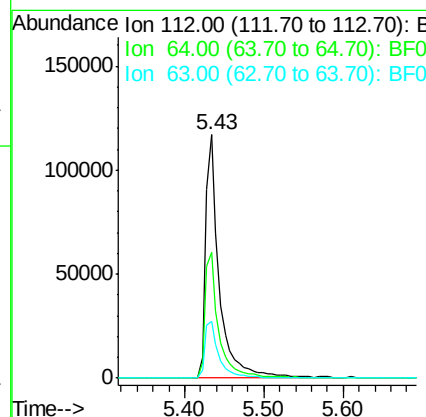
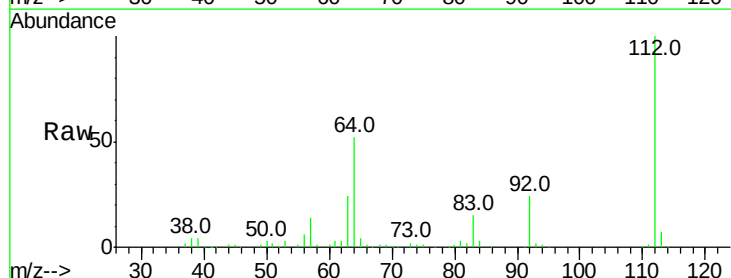
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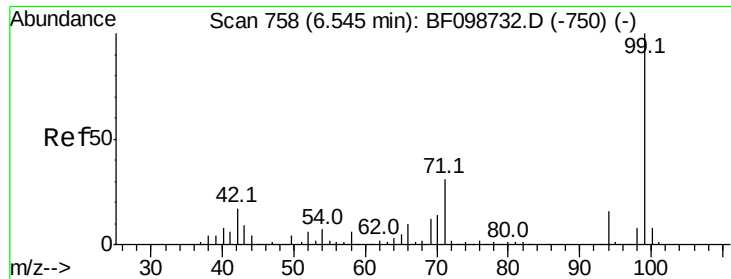


#5

2-Fluorophenol
Concen: 23.797 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF099706.D
Acq: 20 Oct 2017 17:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.8	47.9	71.9
63	23.6	23.7	35.5





#7

Phenol-d6

Concen: 23.096 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF099706.D

Acq: 20 Oct 2017 17:42

Instrument :

BNA_F

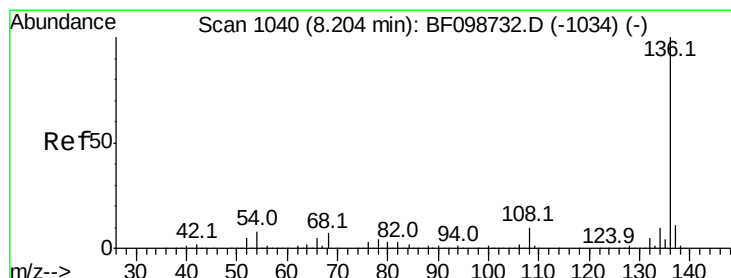
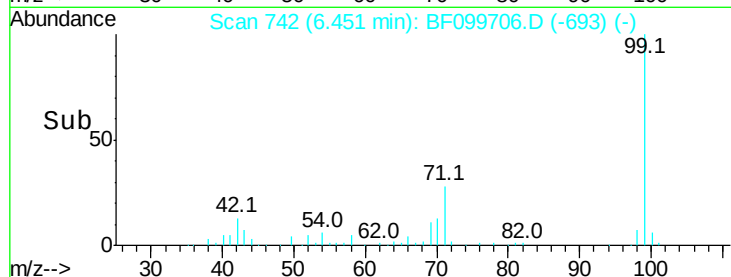
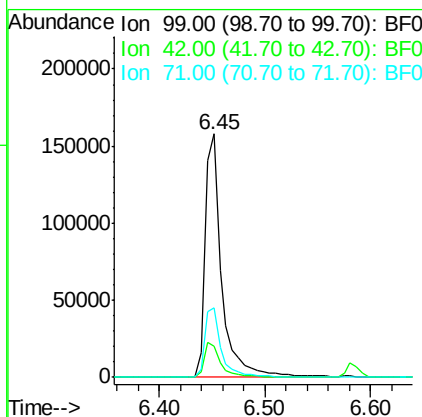
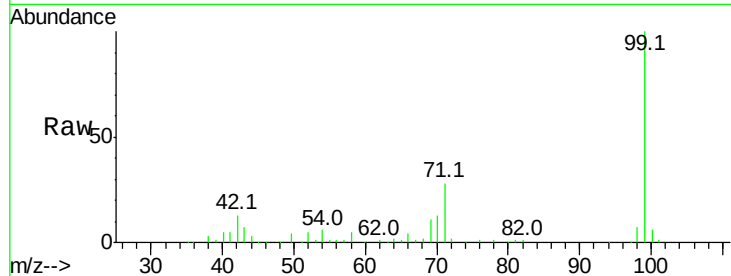
ClientSampleId :

NB-01-101817-A

Tot Ion:	99	Resp:	171408
Ion Ratio	Lower	Upper	
99	100		
42	13.0	14.5	21.7#
71	28.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

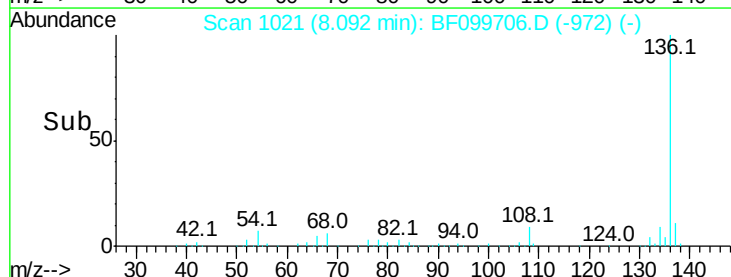
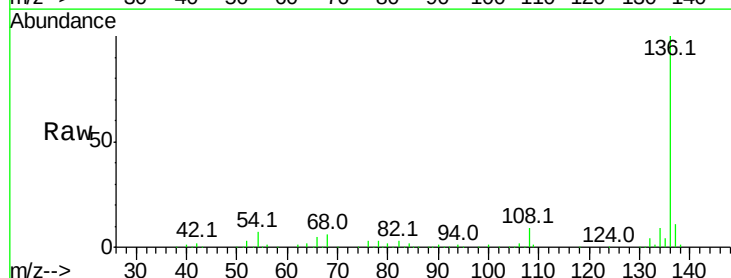
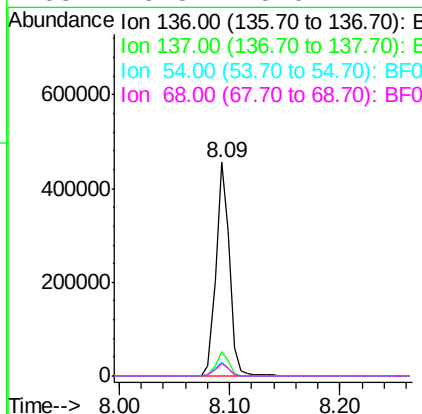
RT: 8.09 min Scan# 1021

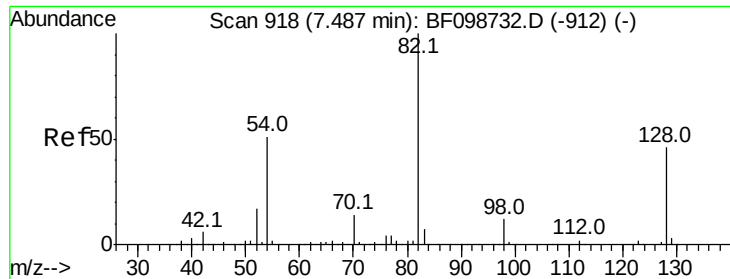
Delta R.T. -0.01 min

Lab File: BF099706.D

Acq: 20 Oct 2017 17:42

Tgt Ion:	136	Resp:	382809
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.9	13.3
54	6.8	6.6	9.8
68	5.8	5.0	7.4





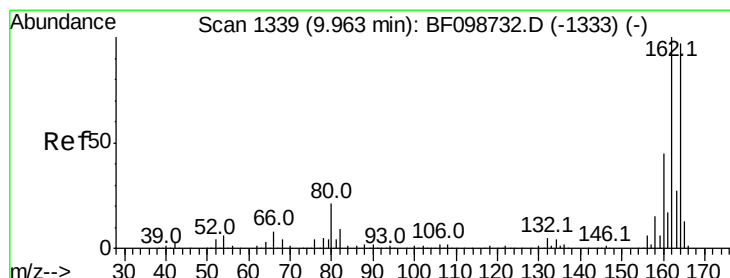
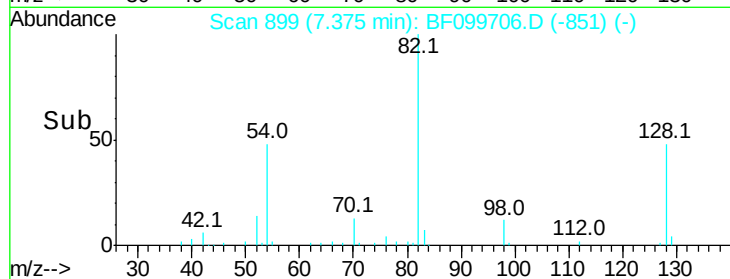
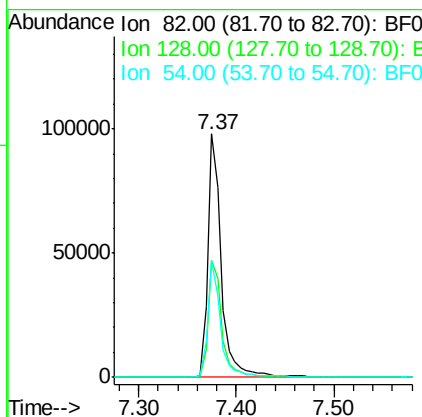
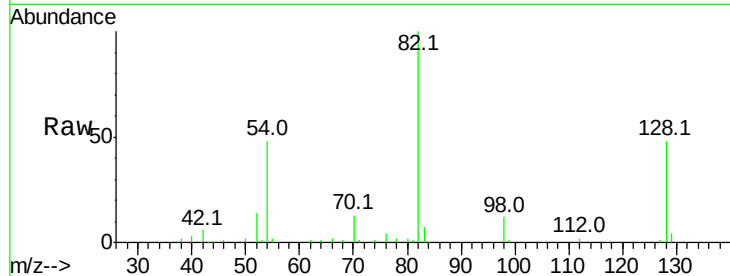
#23
 Nitrobenzene-d5
 Concen: 15.717 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.02 min
 Lab File: BF099706.D
 Acq: 20 Oct 2017 17:42

Instrument :
 BNA_F
 ClientSampled :
 NB-01-101817-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.8	36.1	54.1
54	48.3	41.4	62.2

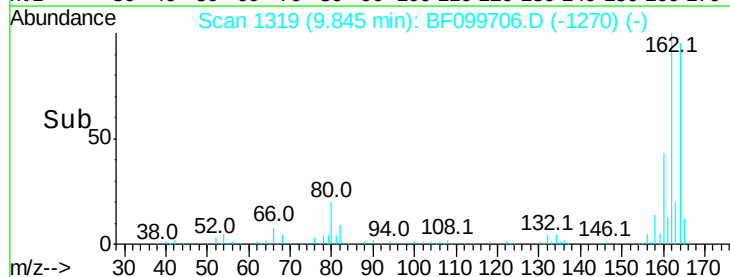
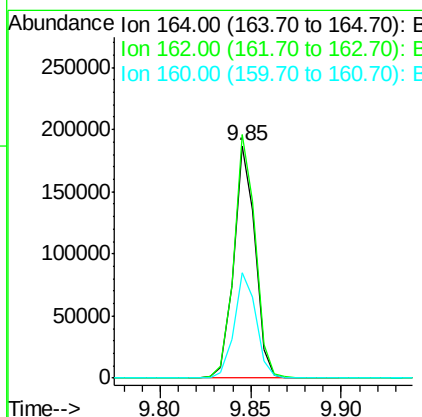
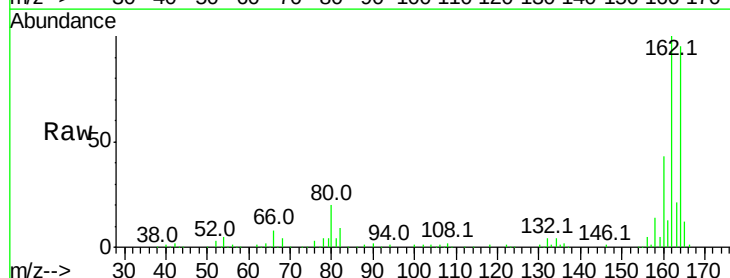
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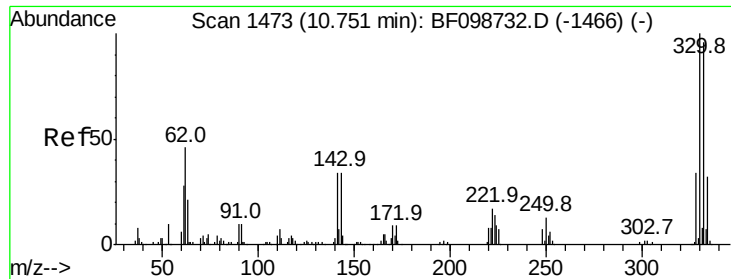
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF099706.D
 Acq: 20 Oct 2017 17:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.8	86.1	129.1
160	45.5	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 19.307 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF099706.D

Acq: 20 Oct 2017 17:42

Instrument :

BNA_F

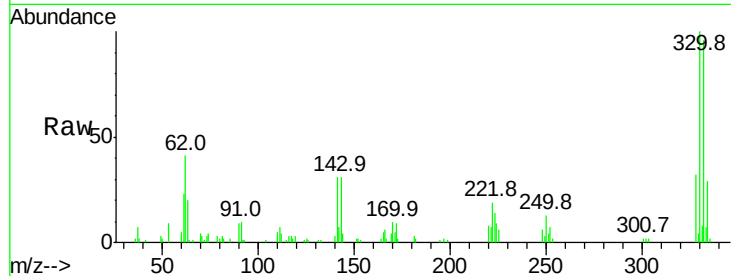
ClientSampleId :

NB-01-101817-A

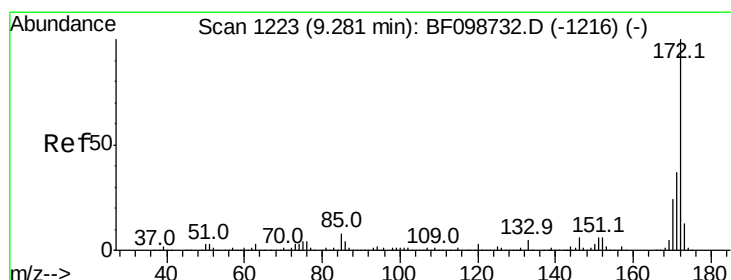
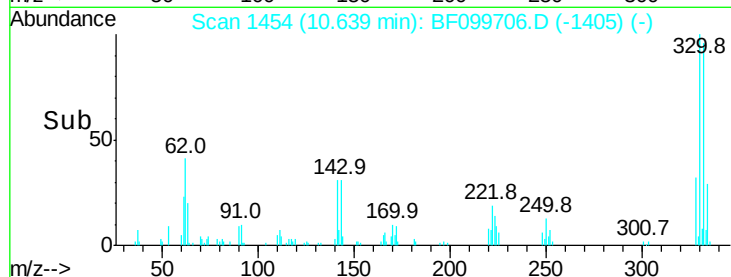
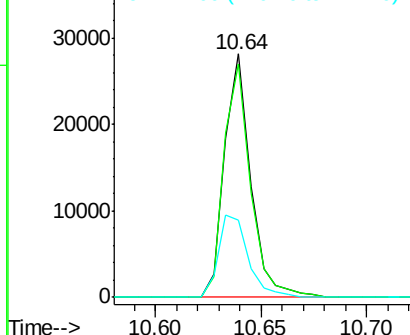
Tot Ion:	330	Resp:	24196
Ion Ratio	Lower	Upper	
330	100		
332	97.3	77.0	115.6
141	38.4	29.9	44.9

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 20.499 ng

RT: 9.16 min Scan# 1203

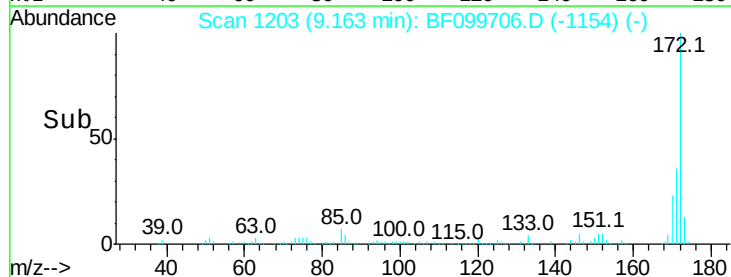
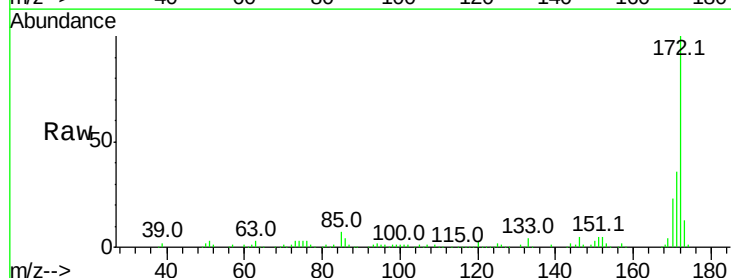
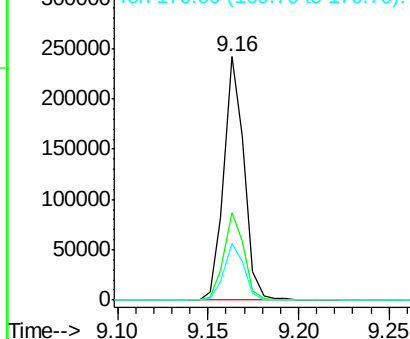
Delta R.T. -0.01 min

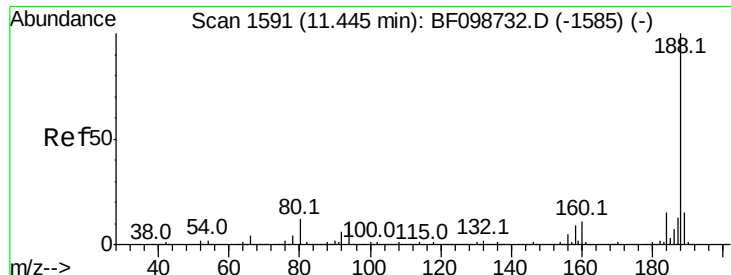
Lab File: BF099706.D

Acq: 20 Oct 2017 17:42

Tgt Ion:	172	Resp:	188063
Ion Ratio	Lower	Upper	
172	100		
171	35.7	29.7	44.5
170	23.3	19.6	29.4

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF099706.D

Acq: 20 Oct 2017 17:42

Instrument :

BNA_F

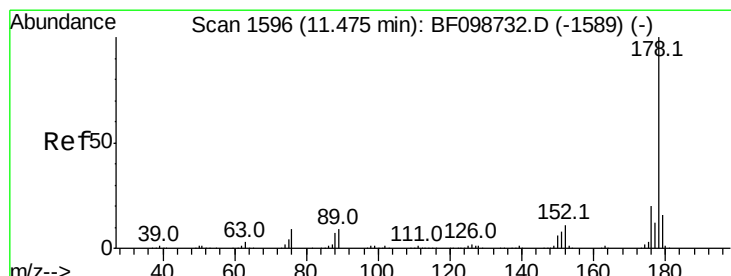
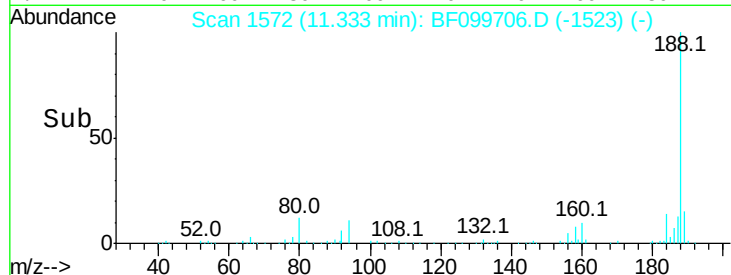
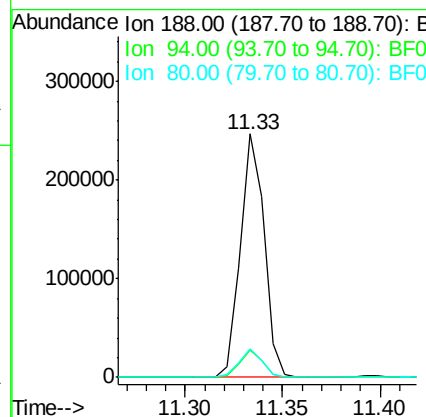
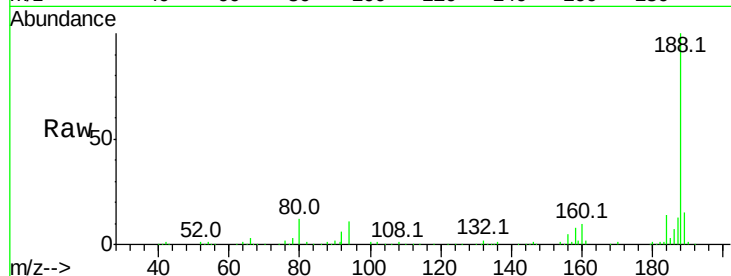
ClientSampleId :

NB-01-101817-A

Tot Ion:	188	Resp:	209470
Ion Ratio	Lower	Upper	
188	100		
94	11.1	8.5	12.7
80	11.9	9.2	13.8

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#70

Phenanthrene

Concen: 5.608 ng

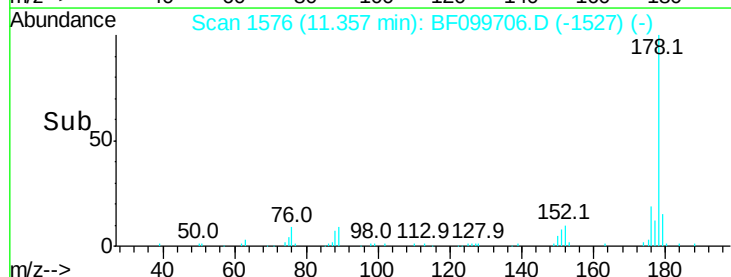
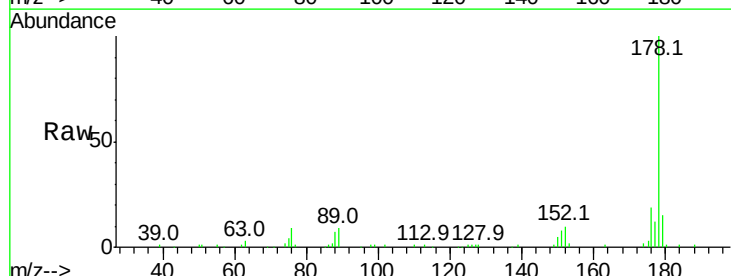
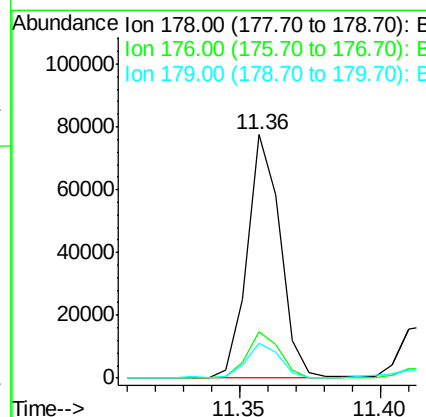
RT: 11.36 min Scan# 1576

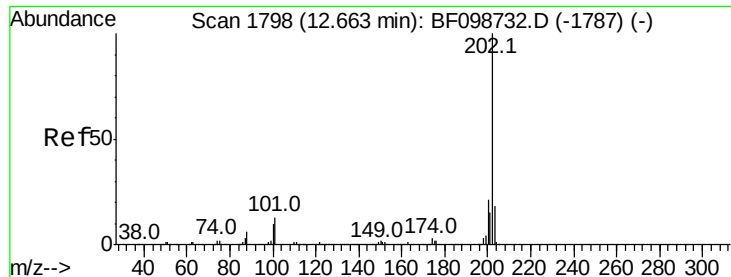
Delta R.T. -0.01 min

Lab File: BF099706.D

Acq: 20 Oct 2017 17:42

Tgt Ion:	178	Resp:	62875
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.8	23.8
179	14.5	13.0	19.6





#74

Fluoranthene

Concen: 8.954 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BF099706.D

Acq: 20 Oct 2017 17:42

Instrument :

BNA_F

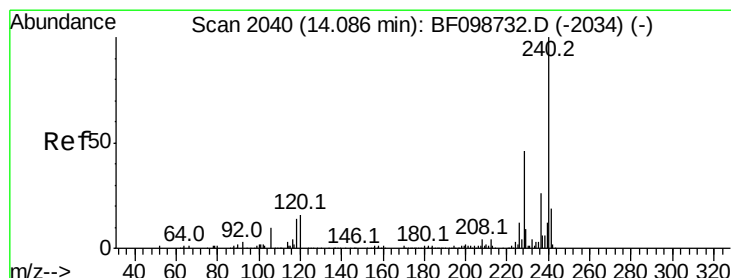
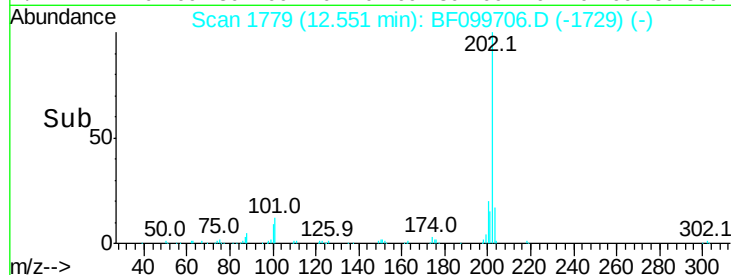
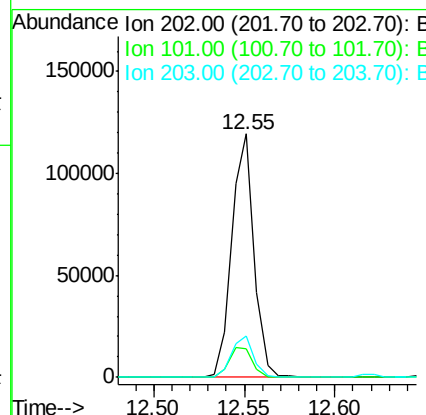
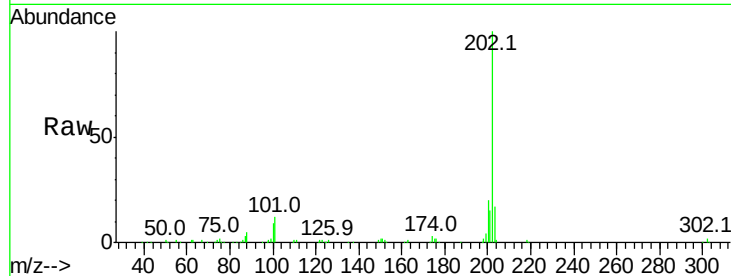
ClientSampleId :

NB-01-101817-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	11.6	0.0	34.1		
203	17.0	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.000 ng

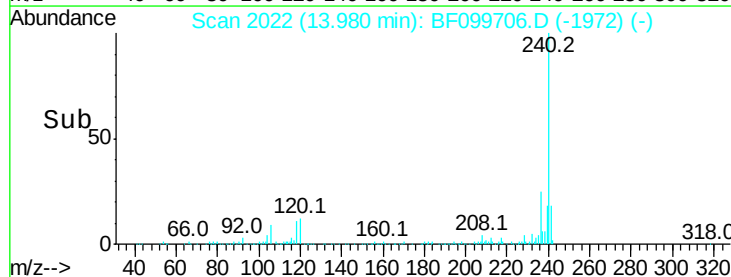
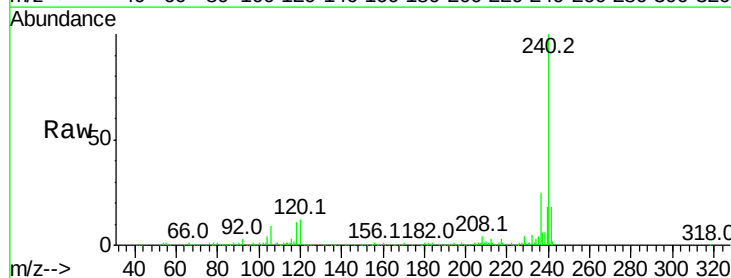
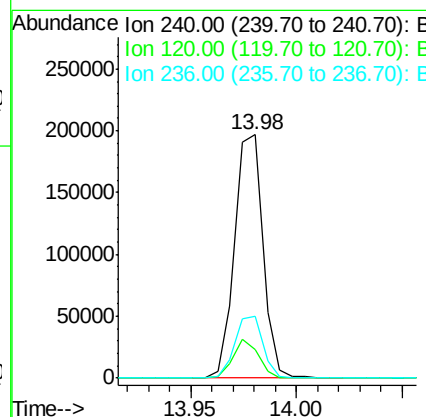
RT: 13.98 min Scan# 2022

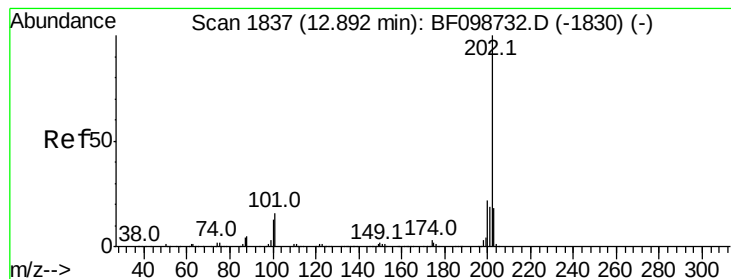
Delta R.T. -0.01 min

Lab File: BF099706.D

Acq: 20 Oct 2017 17:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	12.0	9.5	14.3		
236	25.3	20.7	31.1		





#77

Pvrene

Concen: 6.446 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF099706.D

Acq: 20 Oct 2017 17:42

Instrument :

BNA_F

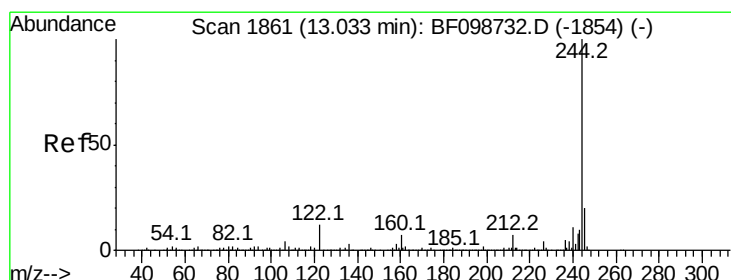
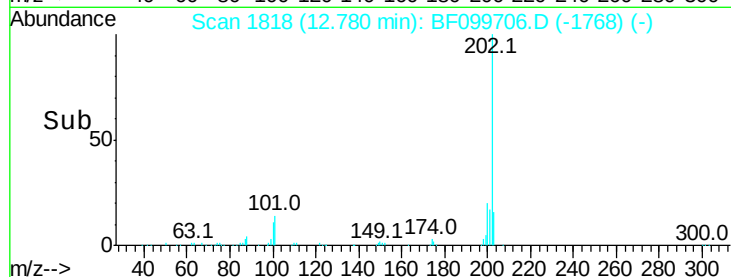
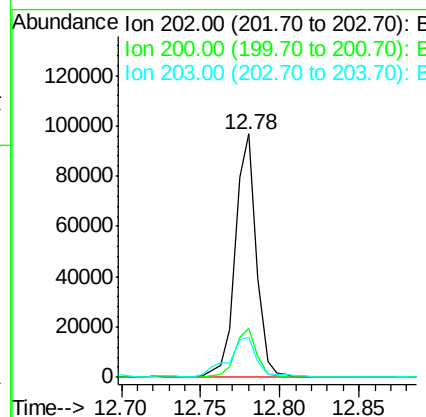
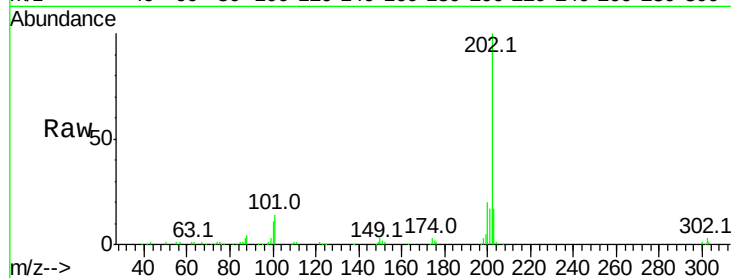
ClientSampleId :

NB-01-101817-A

Tot Ion:	202	Resp:	89265
Ion Ratio	Lower	Upper	
202	100		
200	20.3	17.4	26.2
203	16.5	14.3	21.5

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#78

Terphenyl-d14

Concen: 13.953 ng

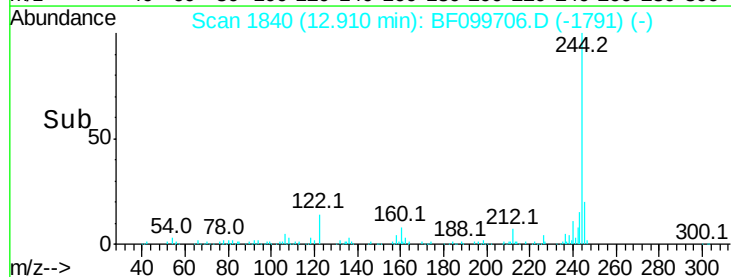
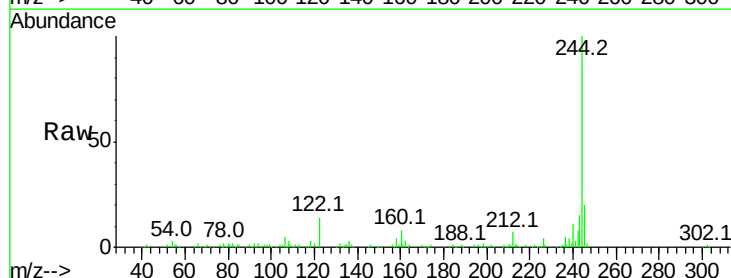
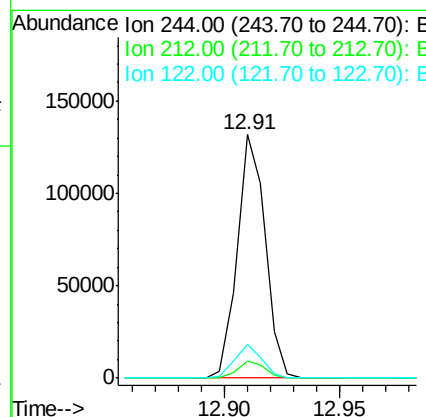
RT: 12.91 min Scan# 1840

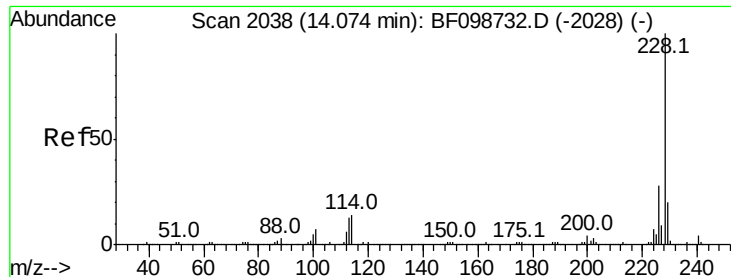
Delta R.T. -0.01 min

Lab File: BF099706.D

Acq: 20 Oct 2017 17:42

Tgt Ion:	244	Resp:	111427
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.4	8.0
122	14.1	11.0	16.4





#80

Benzo(a)anthracene

Concen: 4.150 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF099706.D

Acq: 20 Oct 2017 17:42

Instrument :

BNA_F

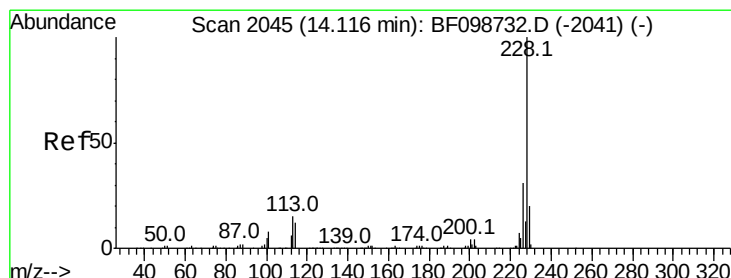
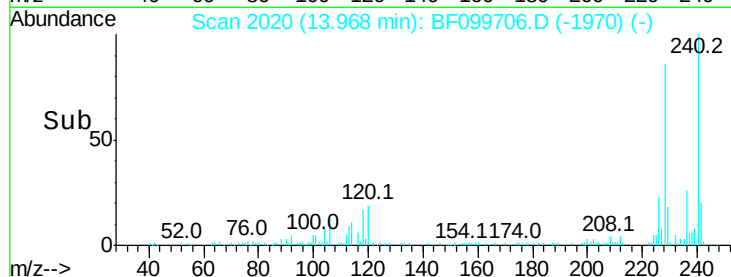
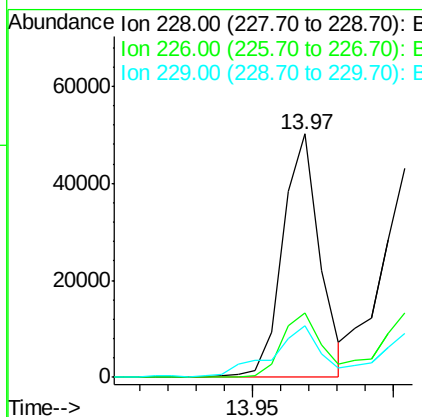
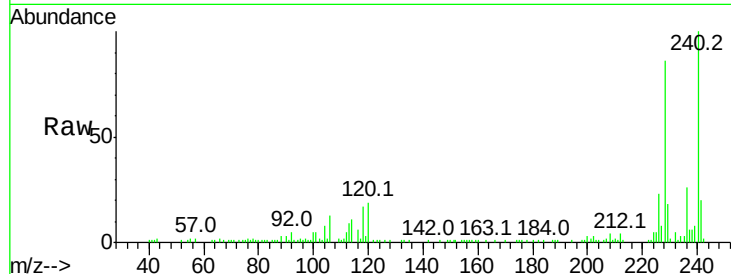
ClientSampleId :

NB-01-101817-A

Tot Ion:	228	Resp:	45635
Ion Ratio	Lower	Upper	
228	100		
226	26.6	22.6	33.8
229	21.1	15.8	23.6

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#82

Chrysene

Concen: 4.135 ng

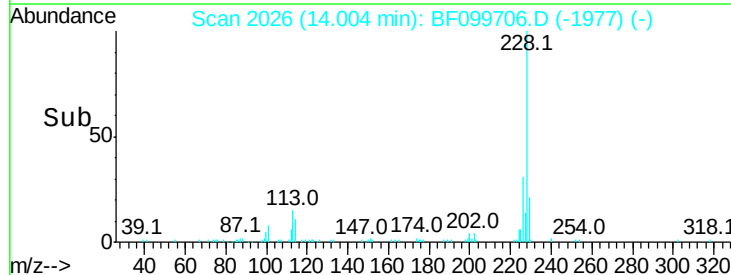
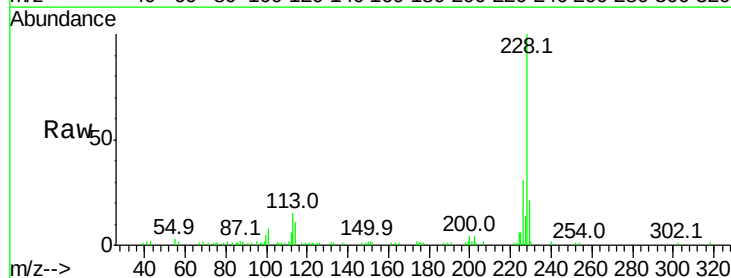
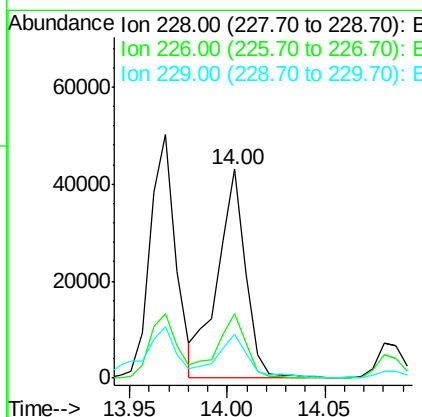
RT: 14.00 min Scan# 2026

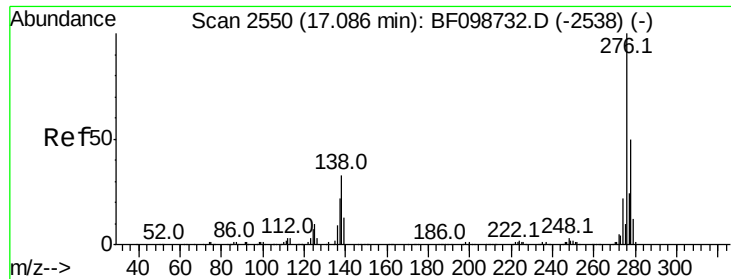
Delta R.T. -0.01 min

Lab File: BF099706.D

Acq: 20 Oct 2017 17:42

Tgt Ion:	228	Resp:	43288
Ion Ratio	Lower	Upper	
228	100		
226	31.1	25.0	37.6
229	21.0	16.2	24.4





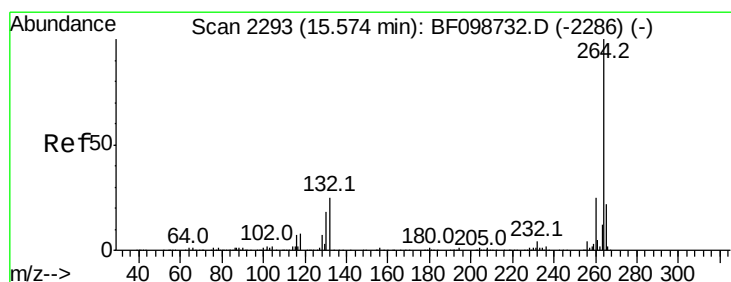
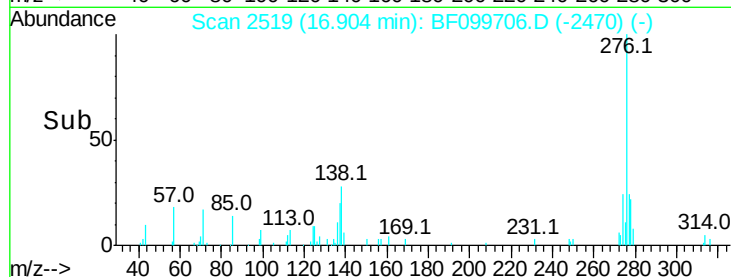
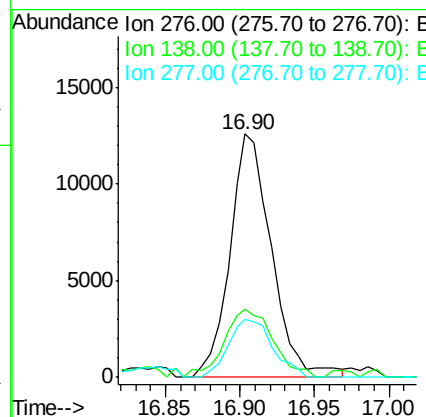
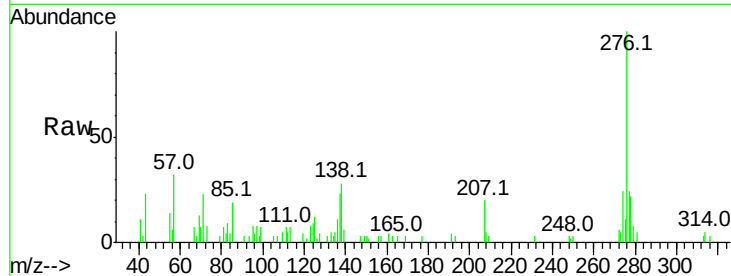
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.927 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BF099706.D
Acq: 20 Oct 2017 17:42

Instrument :
BNA_F
ClientSampleId :
NB-01-101817-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	32.7	25.0	37.6
277	25.2	20.1	30.1

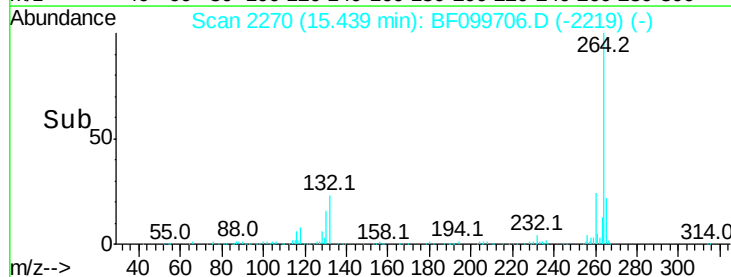
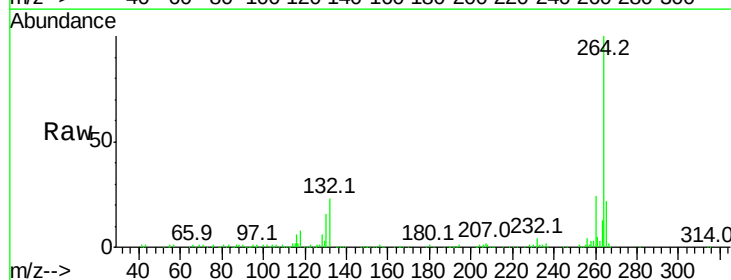
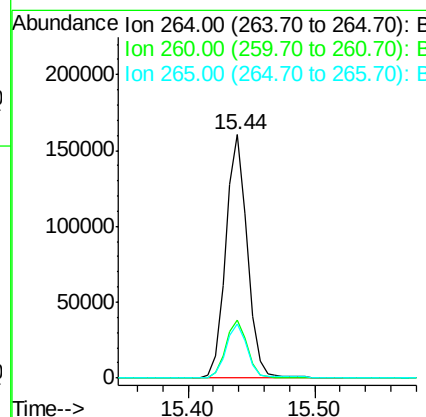
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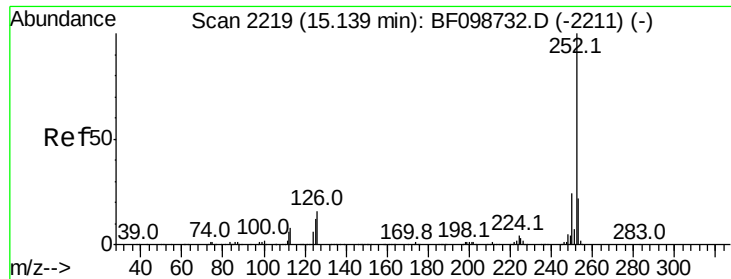
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF099706.D
Acq: 20 Oct 2017 17:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.3	17.5	26.3





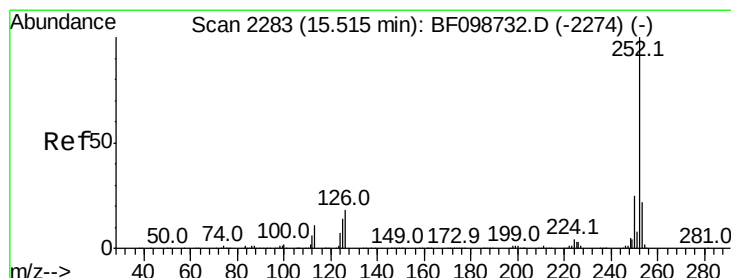
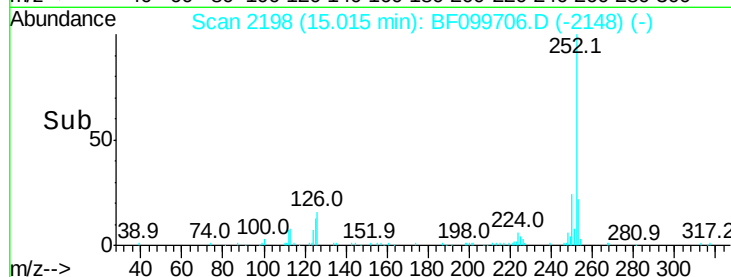
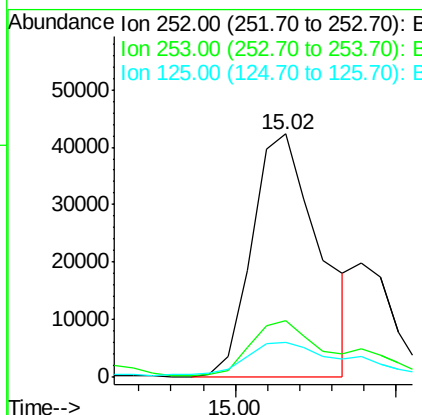
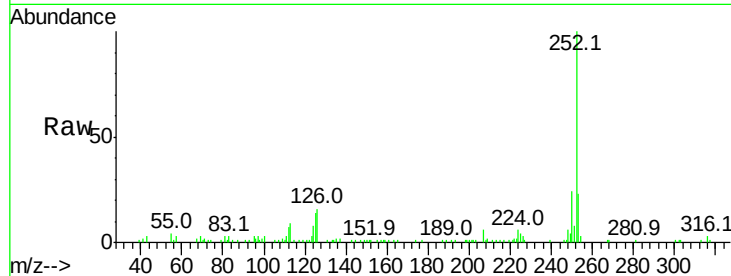
#87
Benzo(b)fluoranthene
Concen: 5.284 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF099706.D
Acq: 20 Oct 2017 17:42

Instrument :
BNA_F
ClientSampleId :
NB-01-101817-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	14.4	9.0	13.6

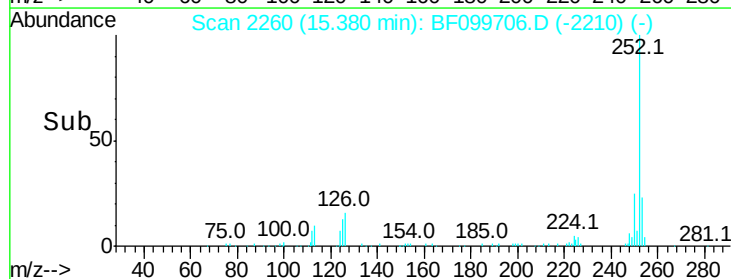
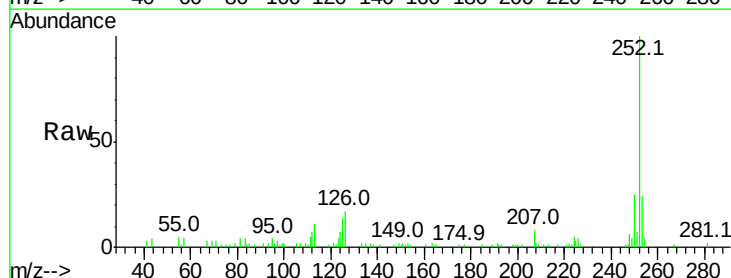
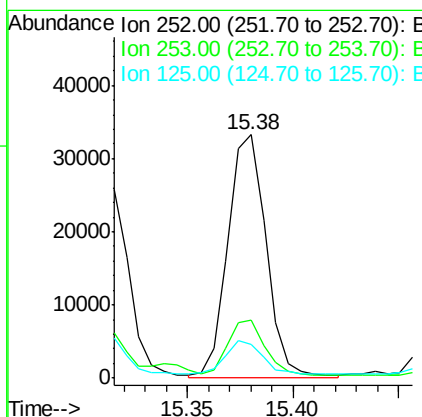
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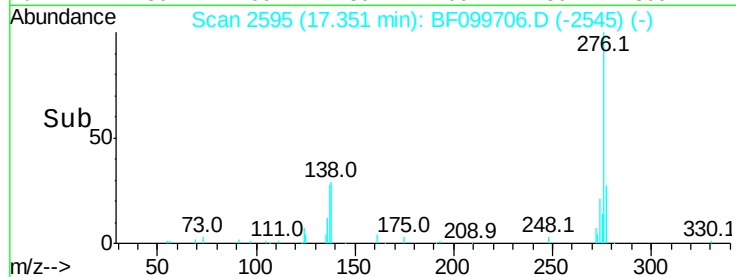
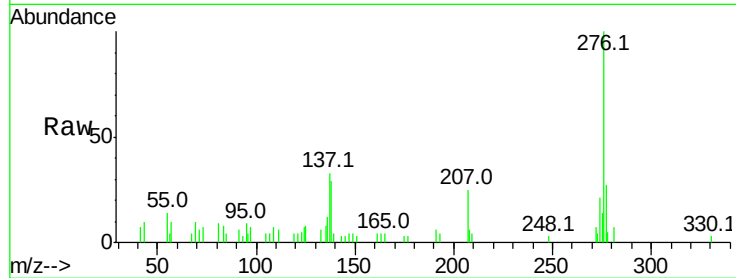
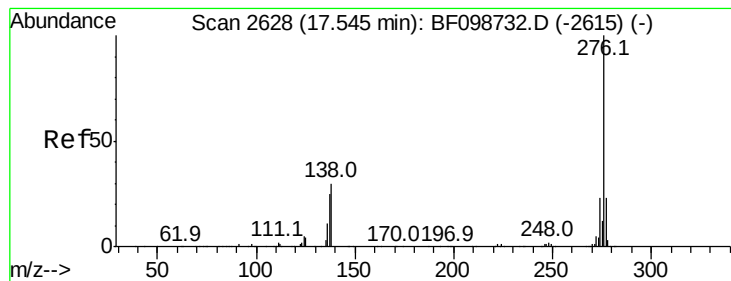
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#89
Benzo(a)pyrene
Concen: 3.937 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF099706.D
Acq: 20 Oct 2017 17:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	13.9	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 2.664 ng

RT: 17.35 min Scan# 2595

Delta R.T. -0.01 min

Lab File: BF099706.D

Acq: 20 Oct 2017 17:42

Instrument :

BNA_F

ClientSampleId :

NB-01-101817-A

Tot Ion:	276	Resp:	22477
Ion Ratio	Lower	Upper	
276	100		
277	26.7	17.9	26.9
138	28.5	21.8	32.8

Manual Integrations
APPROVED

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