

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081817\
 Data File : BF097858.D
 Acq On : 19 Aug 2017 3:11
 Operator : SJ/JU
 Sample : I4774-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB439

Manual Integrations
 APPROVED

Sohil
 8/21/2017 6:18:49 AM

Quant Time: Aug 19 03:48:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	127787	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	503695	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	208757	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	337888	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	277611	20.00	ng	0.00
86) Perylene-d12	15.36	264	232799	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	926571	110.29	ng	0.00
7) Phenol-d6	6.41	99	1265082	110.83	ng	0.00
23) Nitrobenzene-d5	7.34	82	796348	85.89	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	186082	102.73	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	1030455	72.52	ng	-0.01
78) Terphenyl-d14	12.89	244	677214	50.87	ng	0.00
Target Compounds						
10) Phenol	6.42	94	38183	2.860	ng	Qvalue 90
48) Acenaphthylene	9.67	152	140191	6.347	ng	99
49) Dimethylphthalate	9.53	163	199045	13.044	ng	99
70) Phenanthrene	11.32	178	139582	7.752	ng	98
71) Anthracene	11.36	178	49239	2.696	ng	97
73) Di-n-butylphthalate	11.86	149	78709	3.942	ng	98
74) Fluoranthene	12.51	202	217337	11.565	ng	93
77) Pyrene	12.74	202	427702	18.837	ng	99
80) Benzo(a)anthracene	13.92	228	244990m	14.724	ng	
82) Chrysene	13.96	228	207161	12.516	ng	98
84) Di-n-octyl phthalate	14.57	149	127739	7.611	ng	# 58
85) Indeno(1,2,3-cd)pyrene	16.76	276	121169m	9.952	ng	
87) Benzo(b)fluoranthene	14.95	252	281417m	19.178	ng	
88) Benzo(k)fluoranthene	14.97	252	95335m	6.915	ng	
89) Benzo(a)pyrene	15.30	252	202753	15.608	ng	97
90) Dibenzo(a,h)anthracene	16.77	278	26583	2.514	ng	# 86
91) Benzo(a,h,i)perylene	17.18	276	128970	11.687	ng	93

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

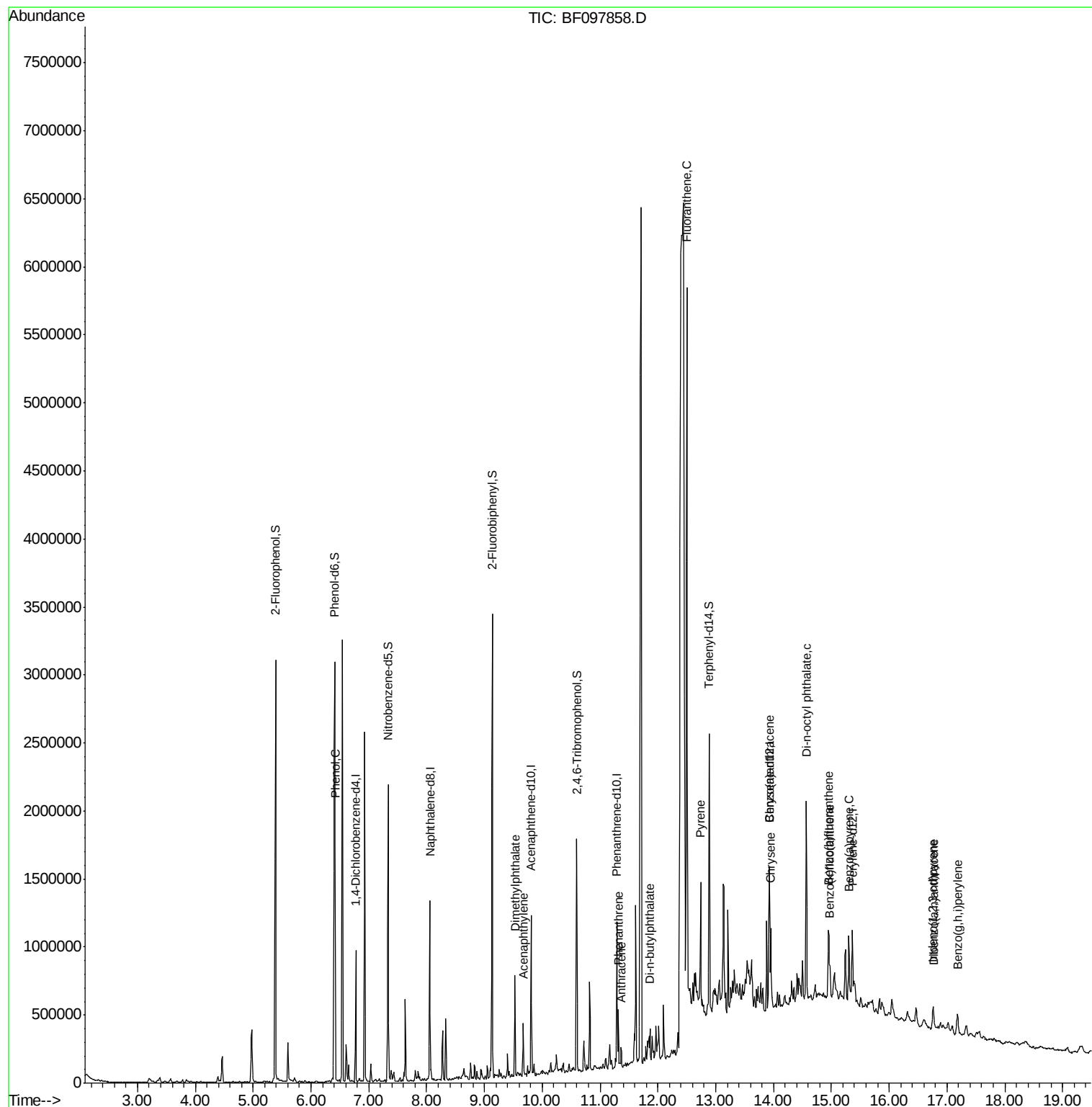
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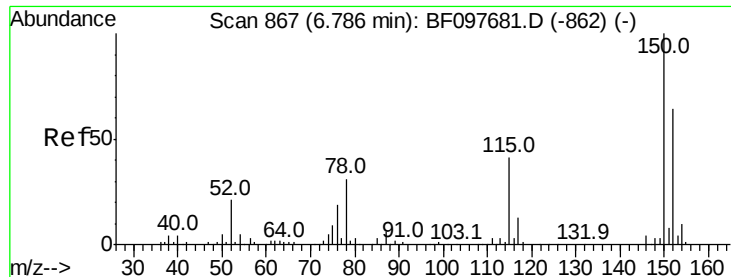
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

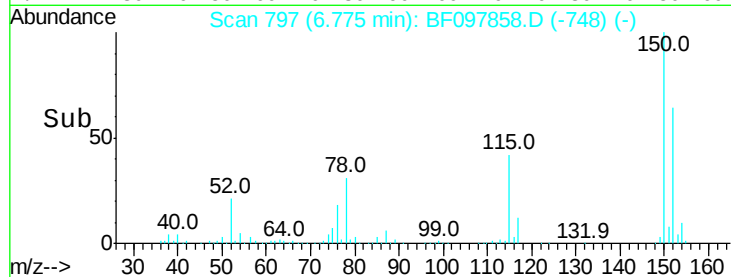
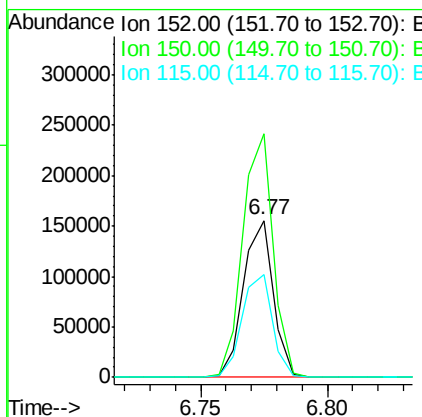
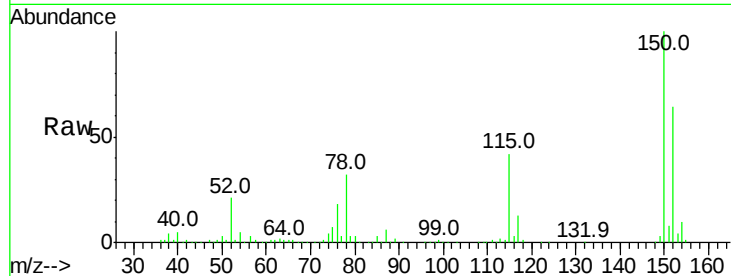
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF097858.D
Acq: 19 Aug 2017 3:11

Instrument :
BNA_F
ClientSampleId :
HY-SB439

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	126.2	189.2
115	65.2	52.2	78.2

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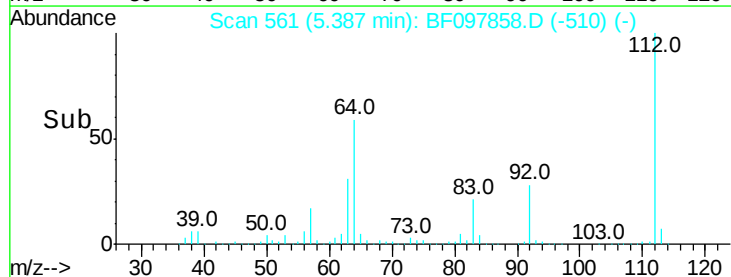
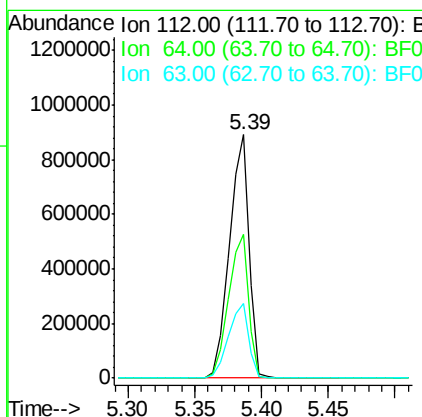
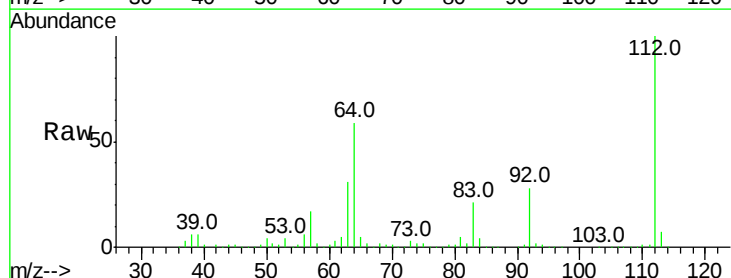
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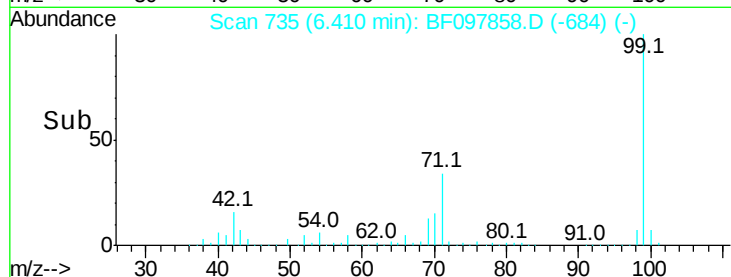
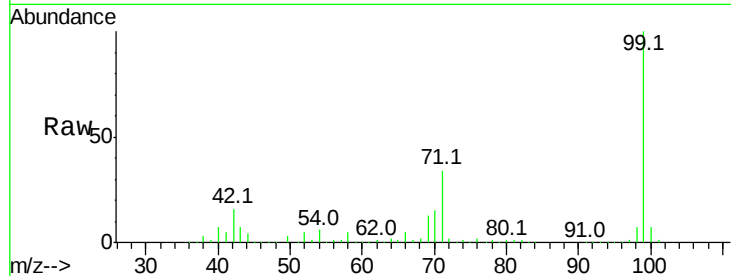
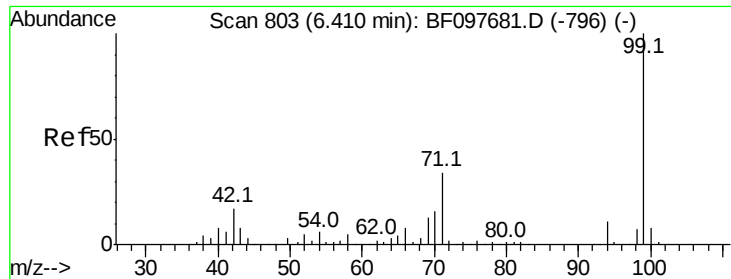


#5

2-Fluorophenol
Concen: 110.292 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF097858.D
Acq: 19 Aug 2017 3:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	46.0	69.0
63	30.6	23.4	35.0





#7

Phenol-d6

Concen: 110.829 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF097858.D

Acq: 19 Aug 2017 3:11

Tot Ion	99	Resp	1265082
Ion	Ratio	Lower	Upper
99	100		
42	15.6	13.5	20.3
71	33.9	24.5	36.7

Instrument :

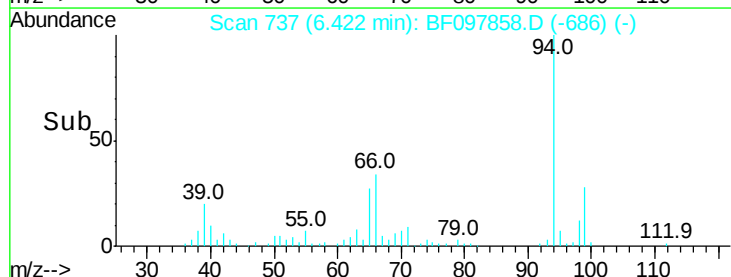
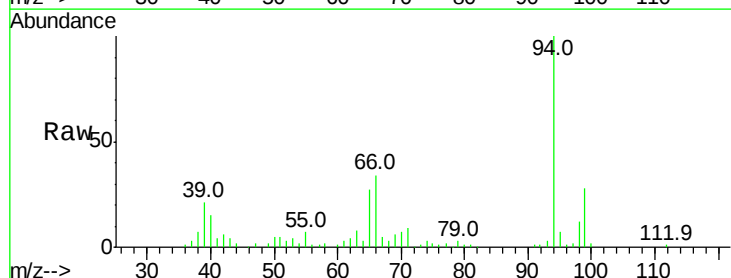
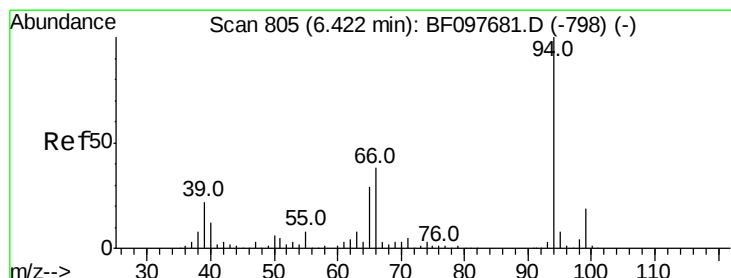
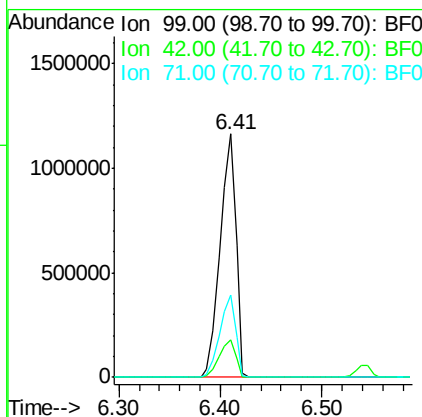
BNA_F

ClientSampleId :

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#10

Phenol

Concen: 2.860 ng

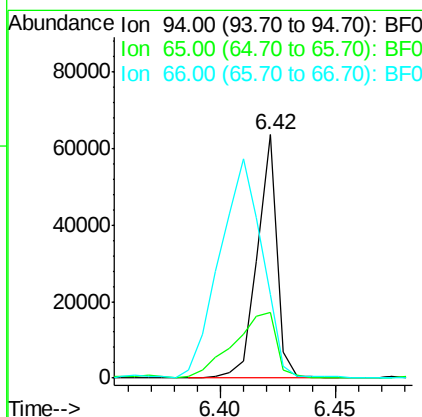
RT: 6.42 min Scan# 737

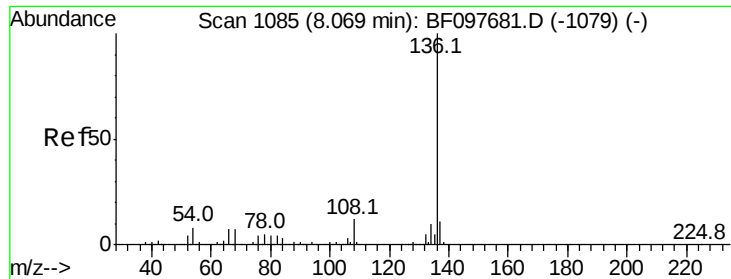
Delta R.T. 0.00 min

Lab File: BF097858.D

Acq: 19 Aug 2017 3:11

Tgt Ion	94	Resp	38183
Ion	Ratio	Lower	Upper
94	100		
65	26.8	9.9	49.9
66	34.3	23.1	63.1





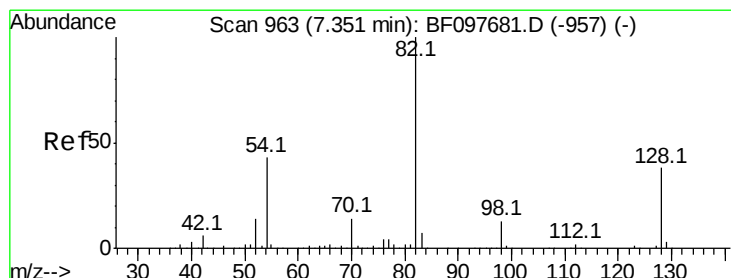
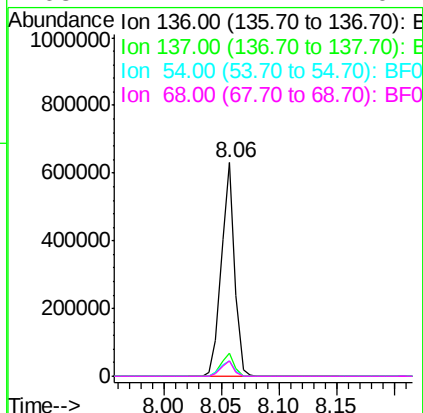
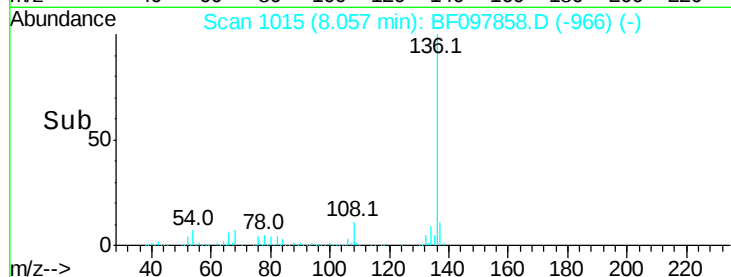
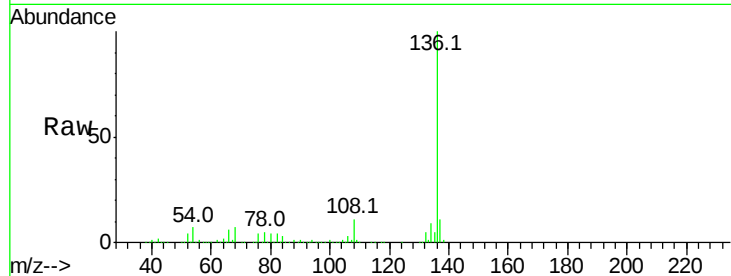
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF097858.D
Acq: 19 Aug 2017 3:11

Instrument :
BNA_F
ClientSampleId :
HY-SB439

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.8	8.5	12.7
54	7.5	4.9	7.3#
68	7.1	4.1	6.1#

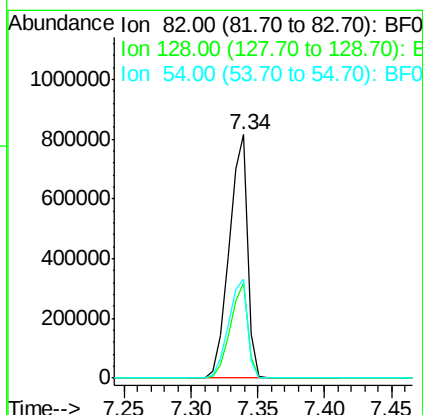
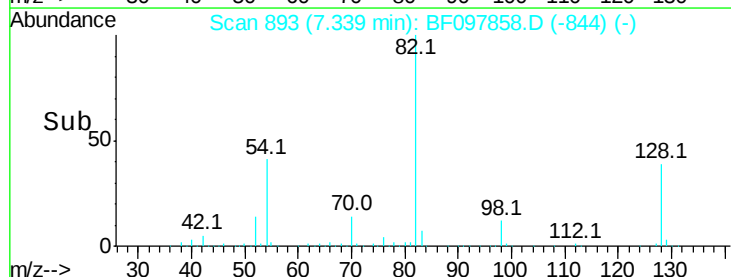
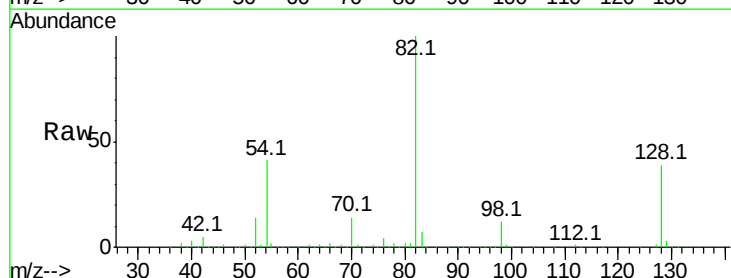
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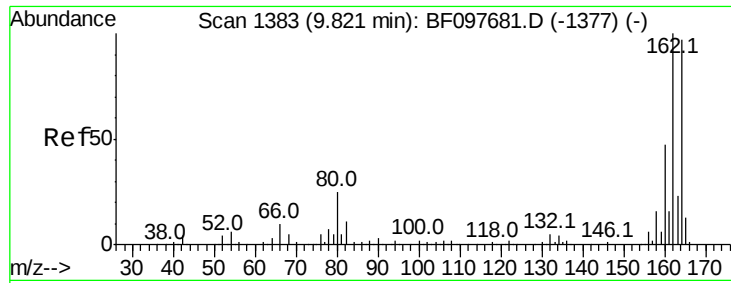
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#23
Nitrobenzene-d5
Concen: 85.888 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF097858.D
Acq: 19 Aug 2017 3:11

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	39.3	34.0	51.0
54	40.6	42.2	63.2#





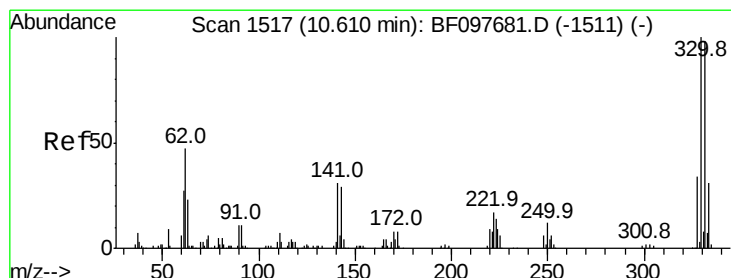
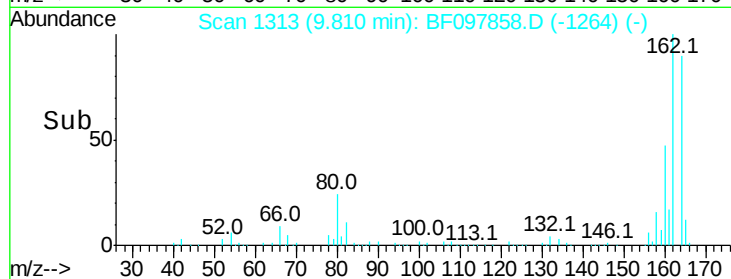
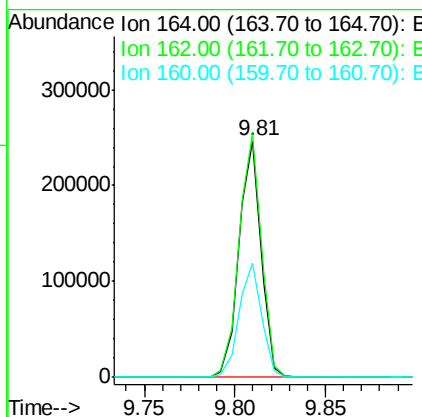
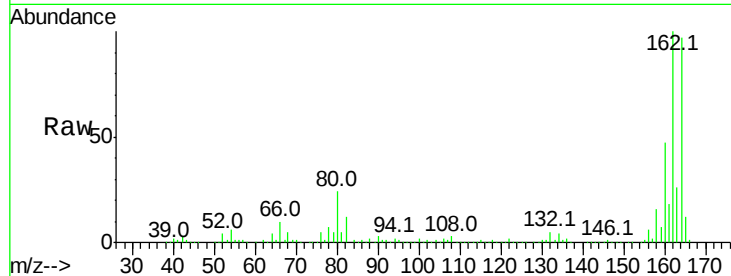
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF097858.D
Acq: 19 Aug 2017 3:11

Instrument :
BNA_F
ClientSampleId :
HY-SB439

Tot Ion	Ratio	Resp	Lower	Upper
164	100	208757		
162	103.1	82.6	123.8	
160	48.4	36.2	54.2	

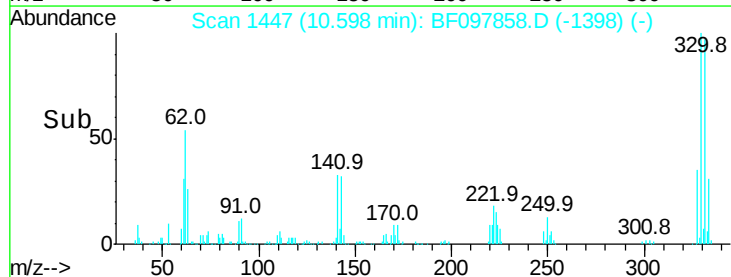
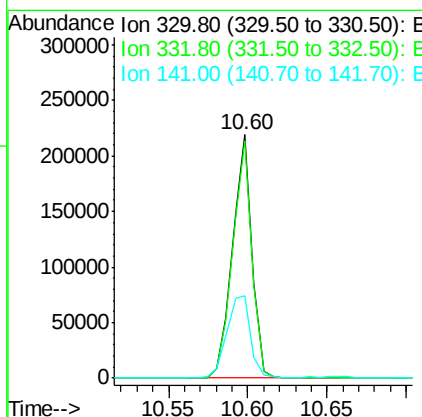
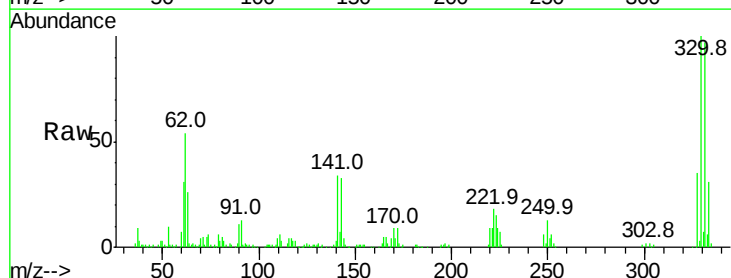
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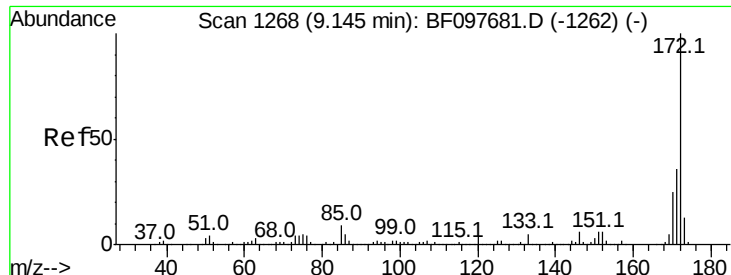
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#41
2,4,6-Tribromophenol
Concen: 102.734 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BF097858.D
Acq: 19 Aug 2017 3:11

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	186082		
332	97.2	76.6	115.0	
141	40.5	31.4	47.2	





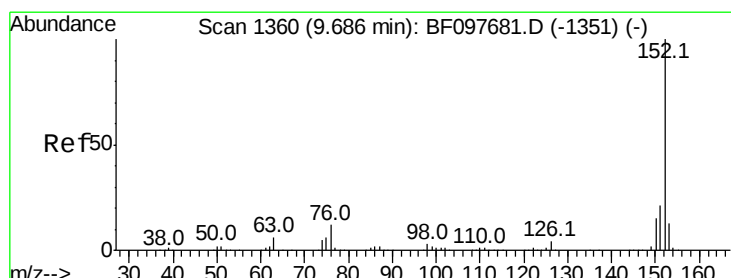
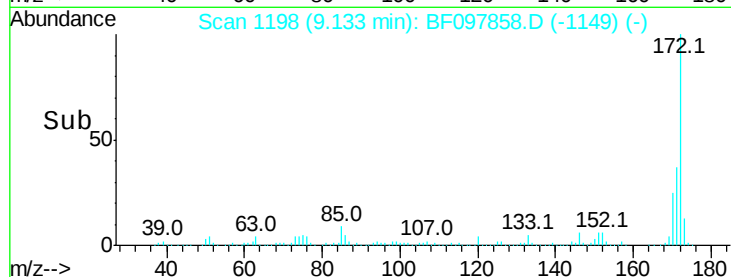
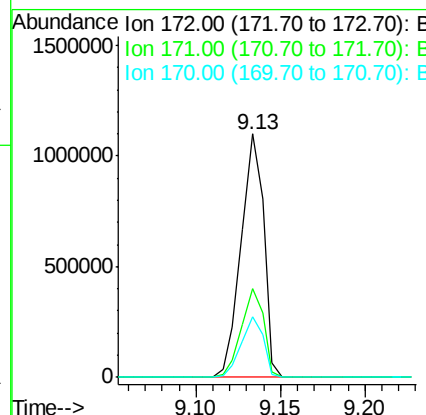
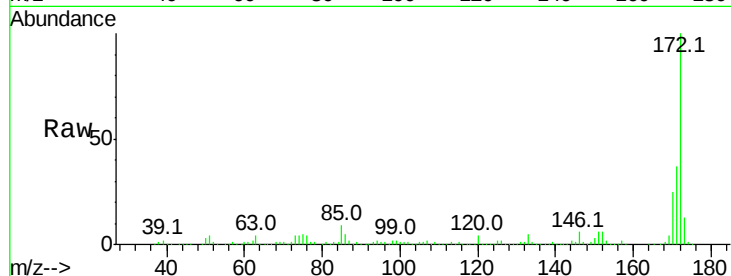
#44
2-Fluorobiphenyl
Concen: 72.522 ng
RT: 9.13 min Scan# 1198
Delta R.T. -0.01 min
Lab File: BF097858.D
Acq: 19 Aug 2017 3:11

Instrument :
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ClientSampleId :
HY-SB439

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	24.9	19.8	29.8

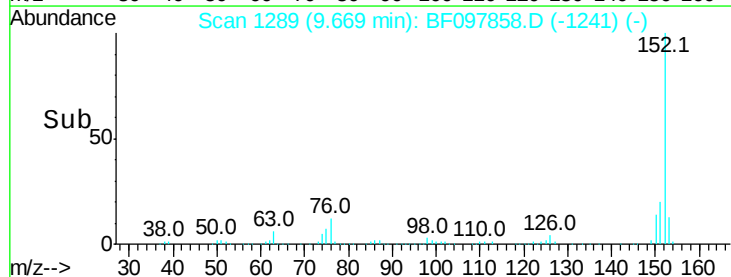
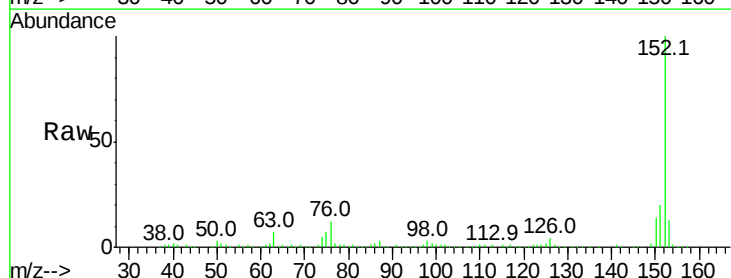
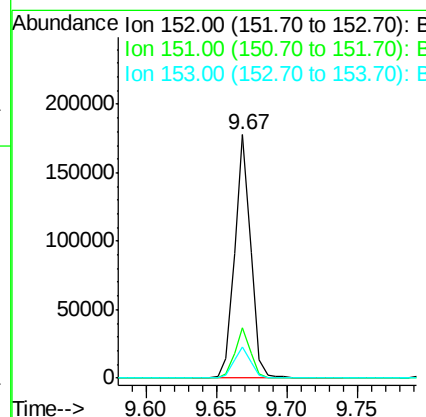
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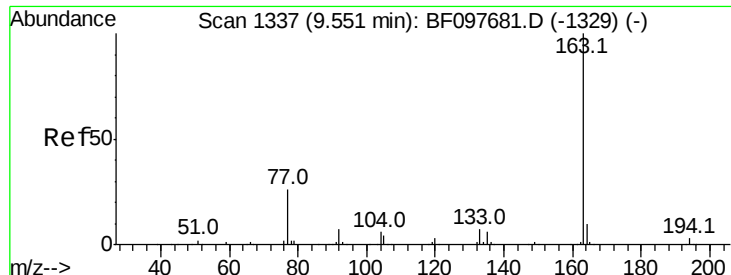
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#48
Acenaphthylene
Concen: 6.347 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.02 min
Lab File: BF097858.D
Acq: 19 Aug 2017 3:11

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.8	25.2
153	12.9	10.8	16.2





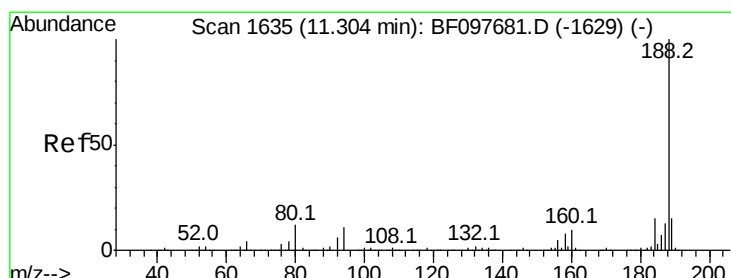
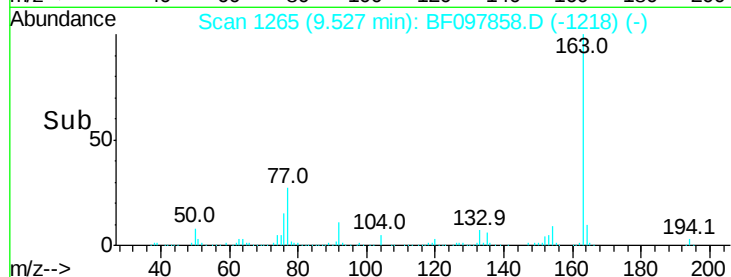
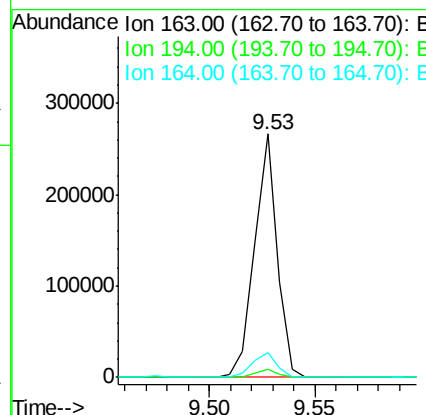
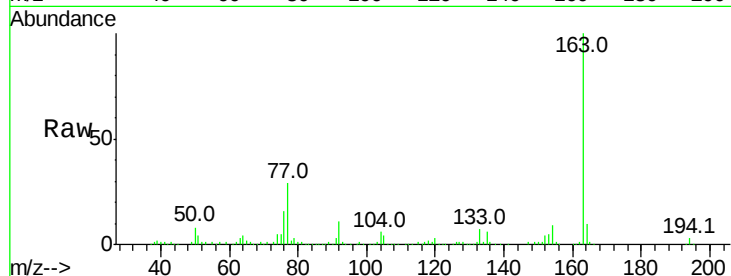
#49
Dimethylphthalate
Concen: 13.044 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BF097858.D
Acq: 19 Aug 2017 3:11

Instrument :
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HY-SB439

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.4	2.6	4.0
164	10.0	8.4	12.6

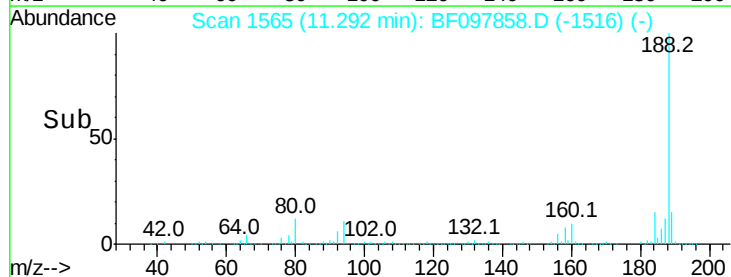
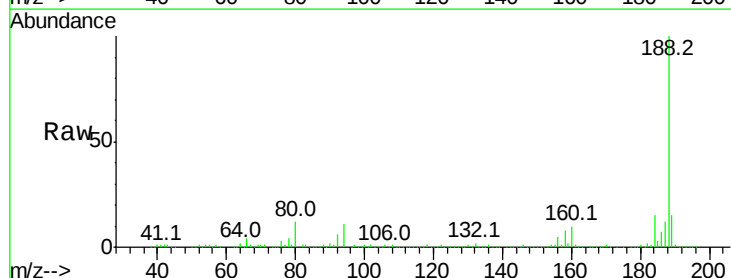
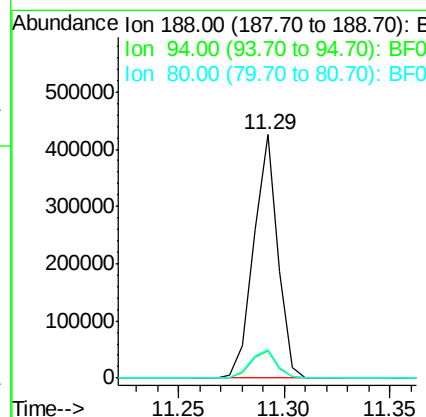
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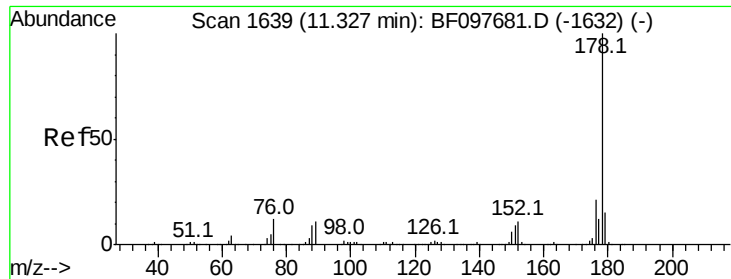
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF097858.D
Acq: 19 Aug 2017 3:11

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	11.4	9.4	14.2
80	11.9	10.2	15.2





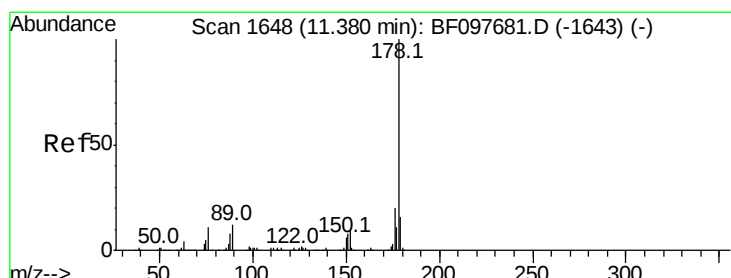
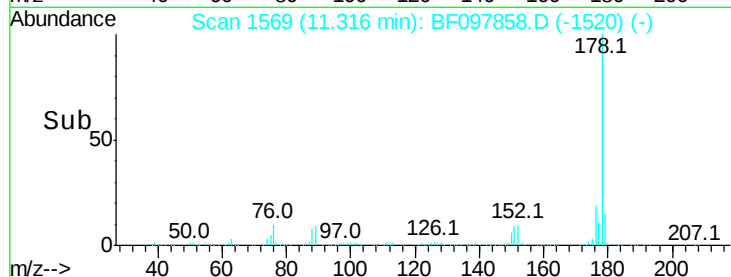
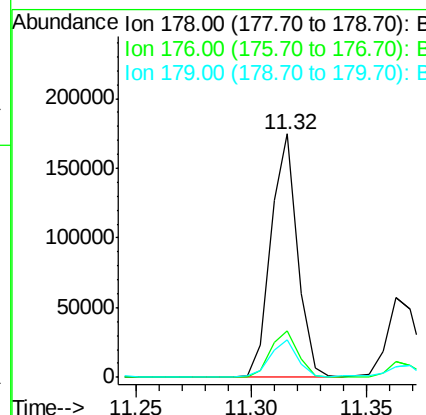
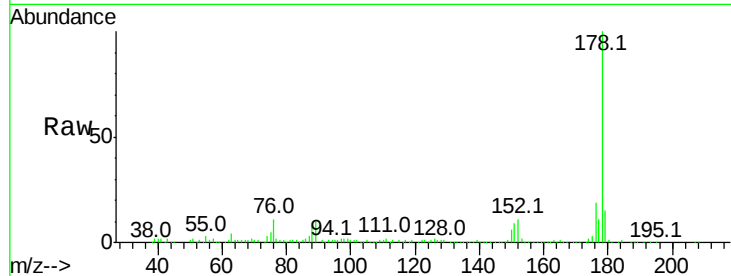
#70
Phenanthrene
Concen: 7.752 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF097858.D
Acq: 19 Aug 2017 3:11

Instrument :
BNA_F
ClientSampleId :
HY-SB439

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.2	24.4
179	15.3	12.6	19.0

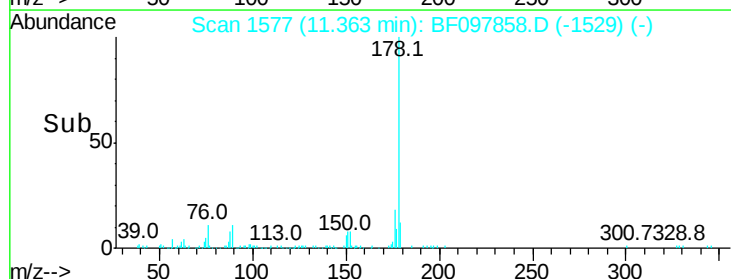
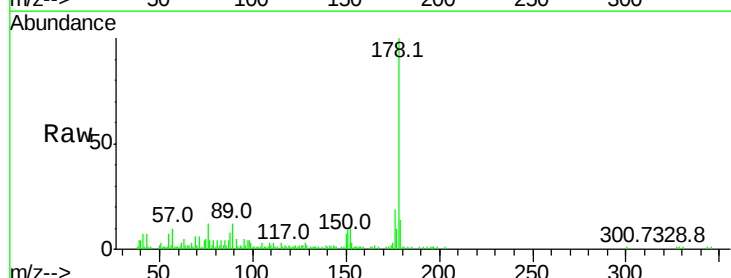
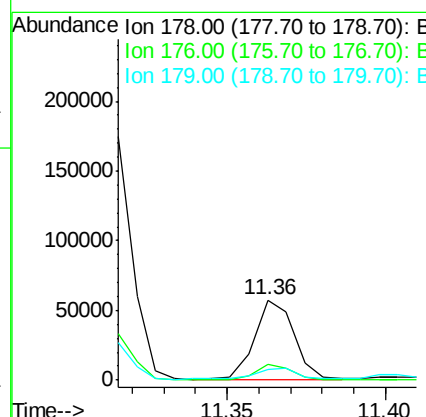
Manual Integrations
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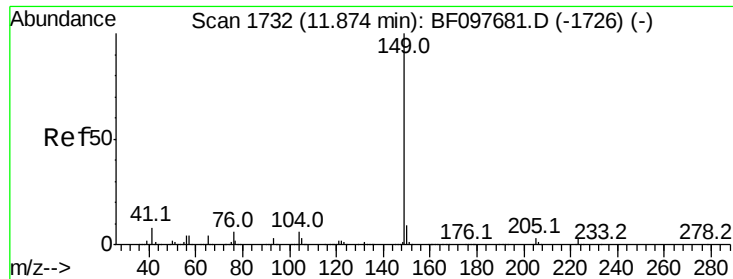
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#71
Anthracene
Concen: 2.696 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BF097858.D
Acq: 19 Aug 2017 3:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	14.0	12.7	19.1





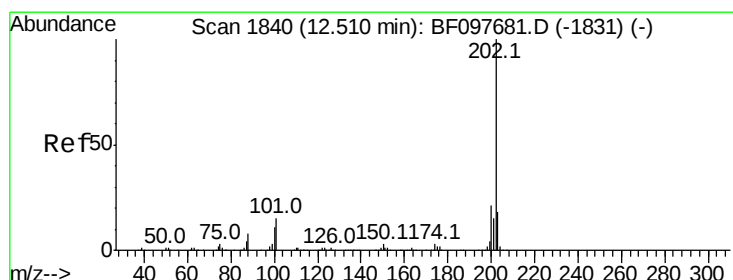
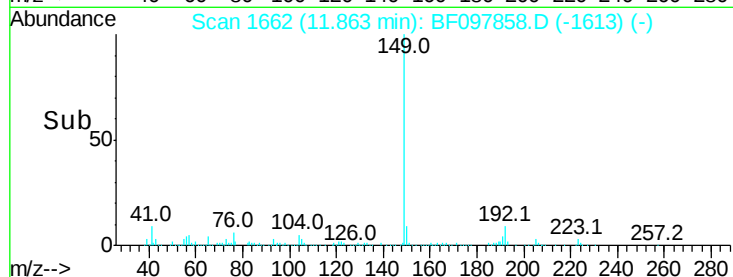
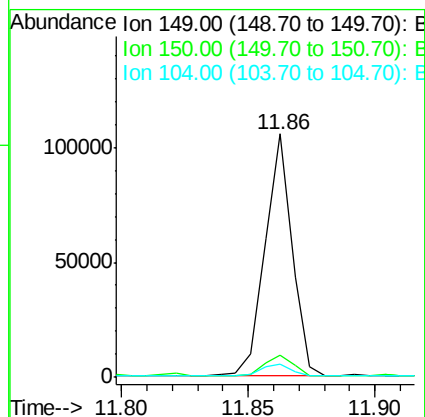
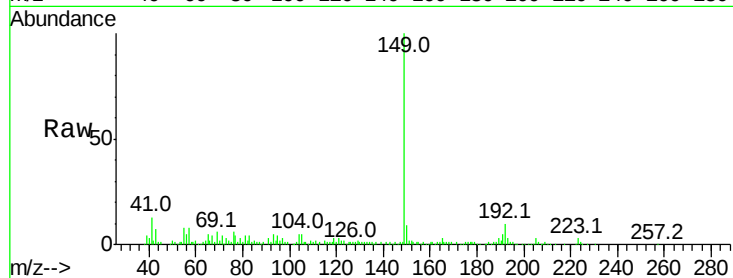
#73
Di-n-butylphthalate
Concen: 3.942 ng
RT: 11.86 min Scan# 1662
Delta R.T. -0.01 min
Lab File: BF097858.D
Acq: 19 Aug 2017 3:11

Instrument :
BNA_F
ClientSampleId :
HY-SB439

Tot Ion:	149	Resp:	78709
Ion Ratio	Lower	Upper	
149	100		
150	8.9	7.7	11.5
104	5.5	4.0	6.0

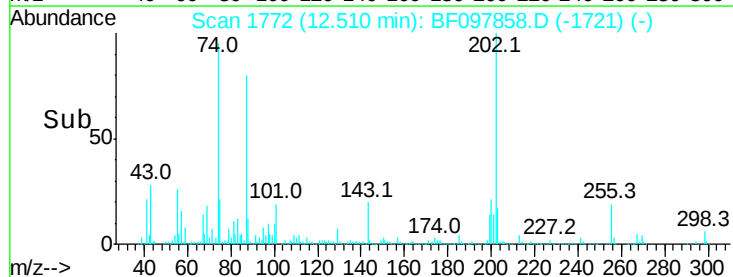
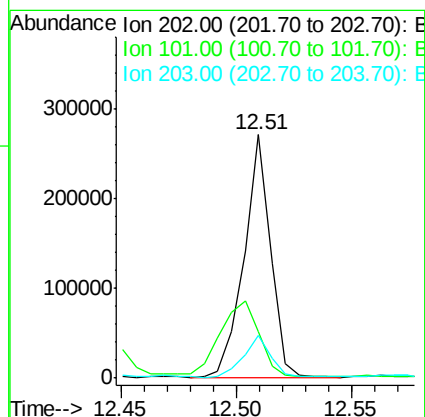
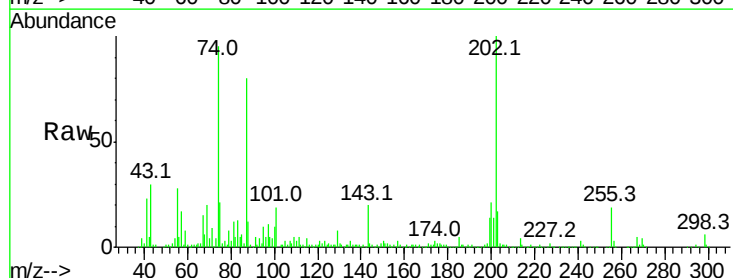
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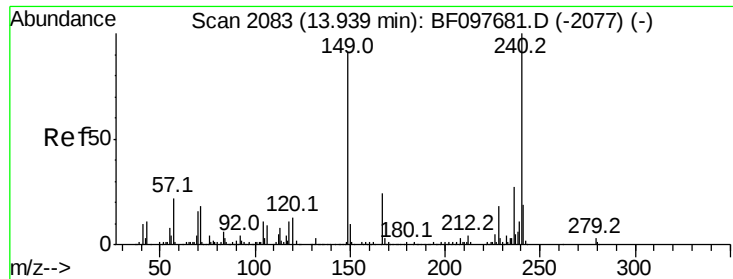
Sohil
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#74
Fluoranthene
Concen: 11.565 ng
RT: 12.51 min Scan# 1772
Delta R.T. 0.00 min
Lab File: BF097858.D
Acq: 19 Aug 2017 3:11

Tgt Ion:	202	Resp:	217337
Ion Ratio	Lower	Upper	
202	100		
101	19.1	0.0	33.2
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF097858.D

Acq: 19 Aug 2017 3:11

Instrument :

BNA_F

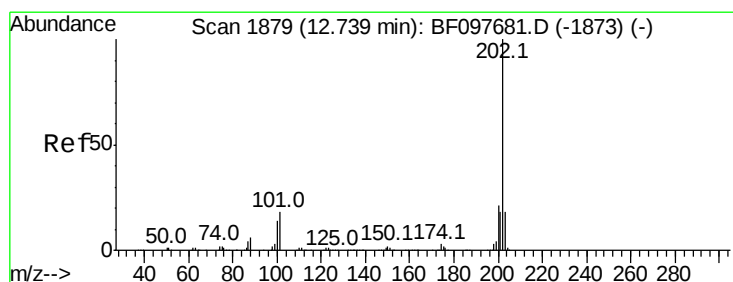
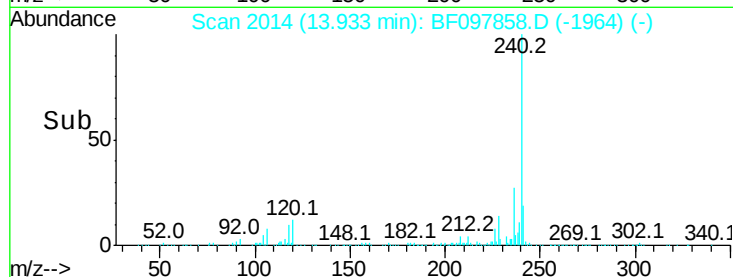
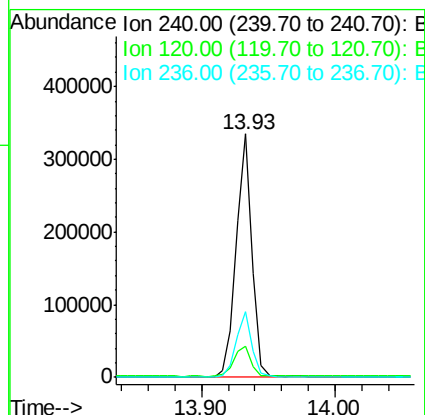
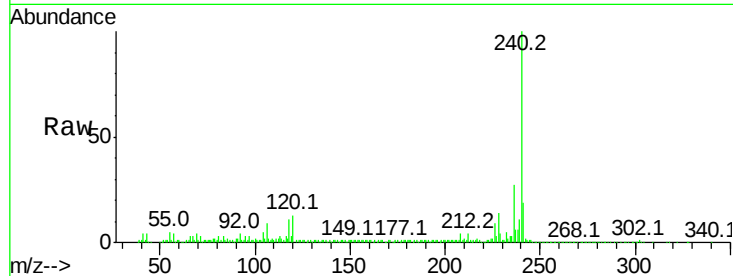
ClientSampleId :

HY-SB439

Tot Ion:	240	Resp:	277611
Ion Ratio	Lower	Upper	
240	100		
120	12.8	5.8	8.8#
236	26.8	20.5	30.7

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#77

Pyrene

Concen: 18.837 ng

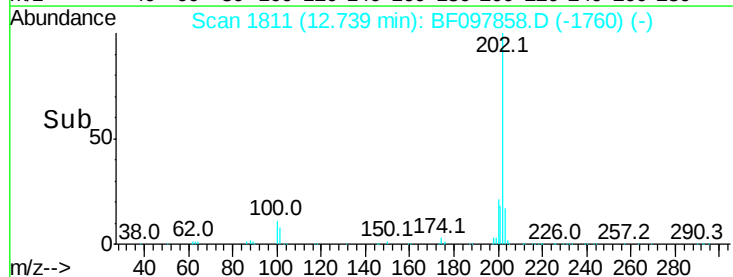
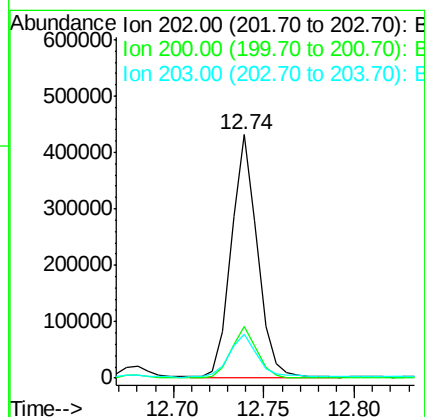
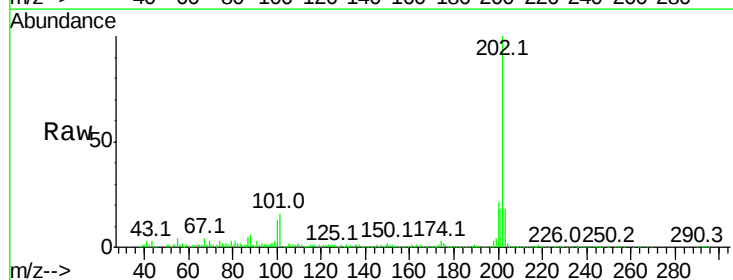
RT: 12.74 min Scan# 1811

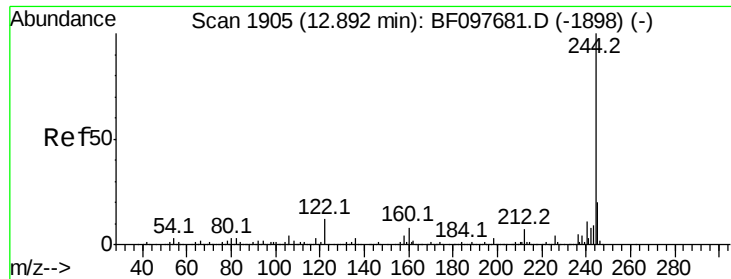
Delta R.T. 0.00 min

Lab File: BF097858.D

Acq: 19 Aug 2017 3:11

Tgt Ion:	202	Resp:	427702
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.6	26.4
203	17.9	14.4	21.6





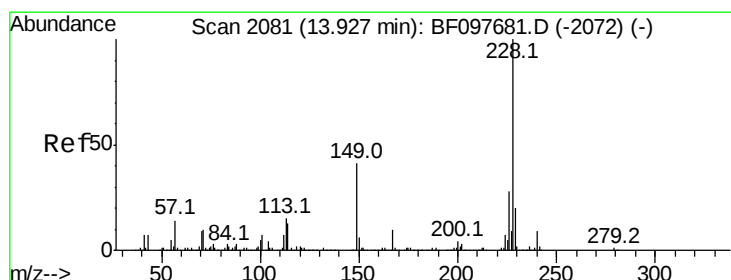
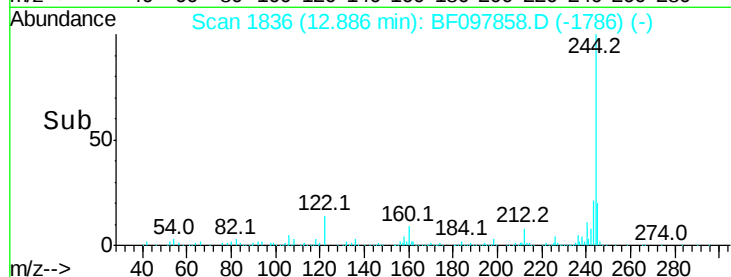
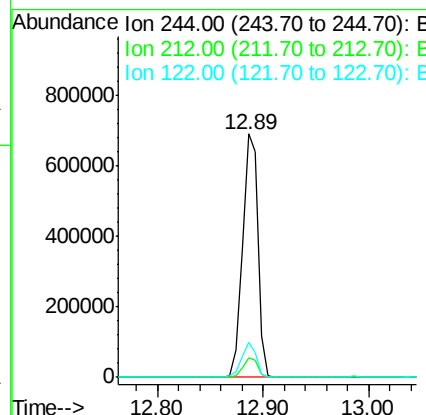
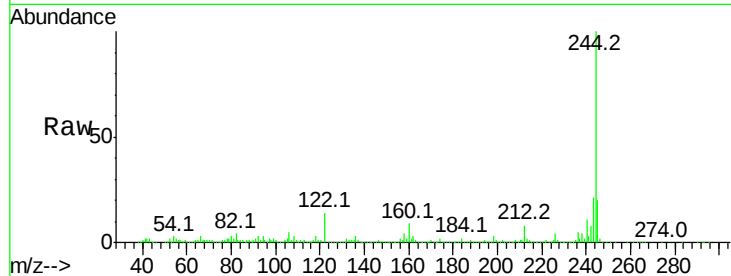
#78
 Terphenyl-d14
 Concen: 50.870 ng
 RT: 12.89 min Scan# 1836
 Delta R.T. -0.01 min
 Lab File: BF097858.D
 Acq: 19 Aug 2017 3:11

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB439

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.9	6.0	9.0	
122	14.3	10.3	15.5	

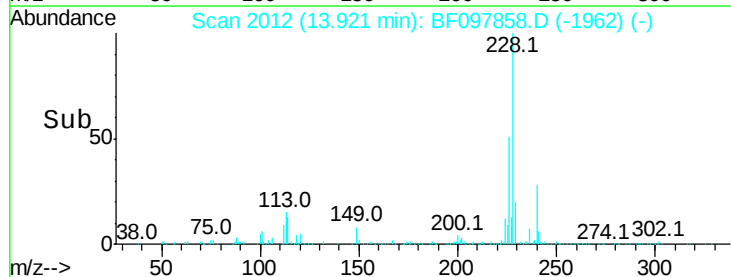
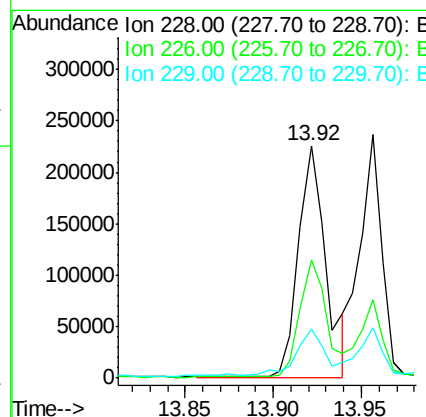
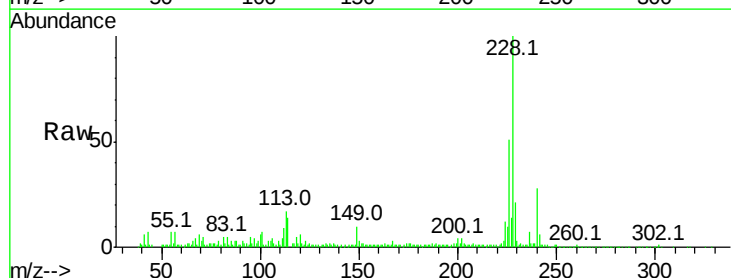
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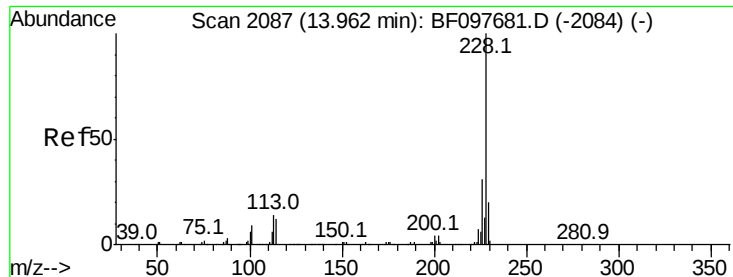
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#80
 Benzo(a)anthracene
 Concen: 14.724 ng m
 RT: 13.92 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: BF097858.D
 Acq: 19 Aug 2017 3:11

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	51.1	22.6	33.8#	
229	21.3	16.3	24.5	





#82

Chrysene

Concen: 12.516 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF097858.D

Acq: 19 Aug 2017 3:11

Instrument :

BNA_F

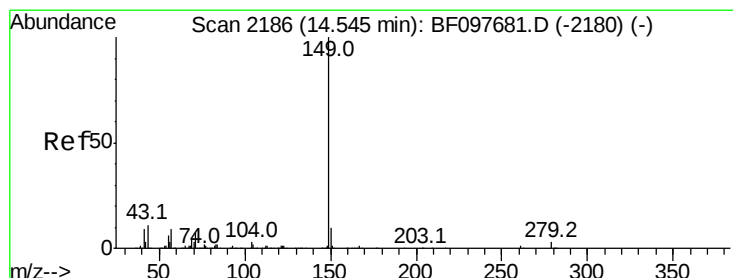
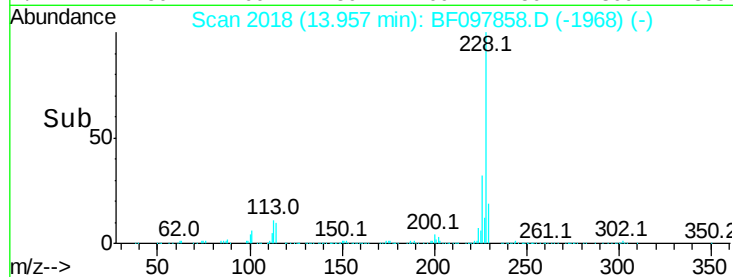
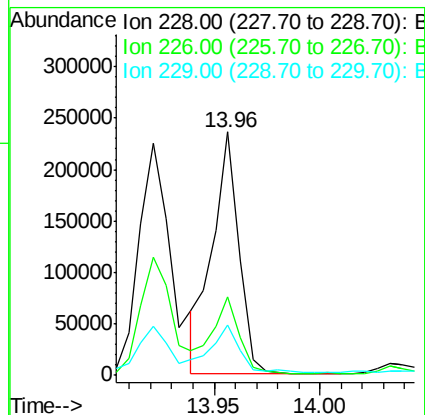
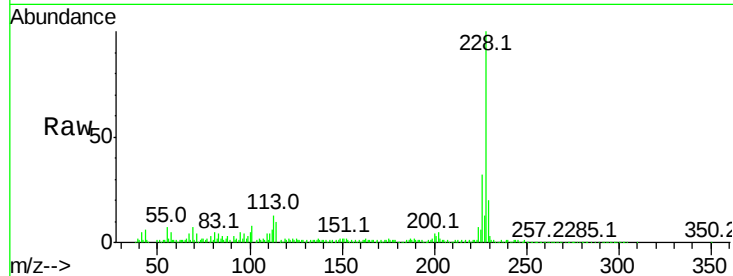
ClientSampleId :

HY-SB439

Tot Ion:	228	Resp:	207161
Ion Ratio	Lower	Upper	
228	100		
226	32.3	24.9	37.3
229	20.5	15.8	23.6

Manual Integrations
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#84

Di-n-octyl phthalate

Concen: 7.611 ng

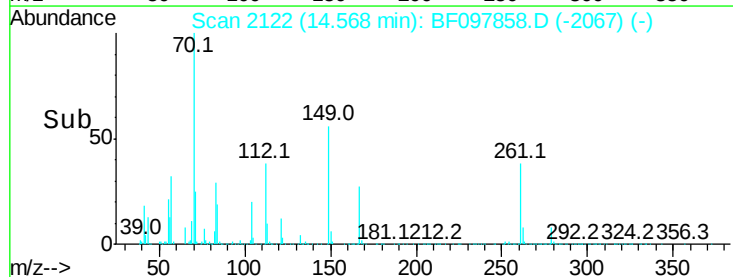
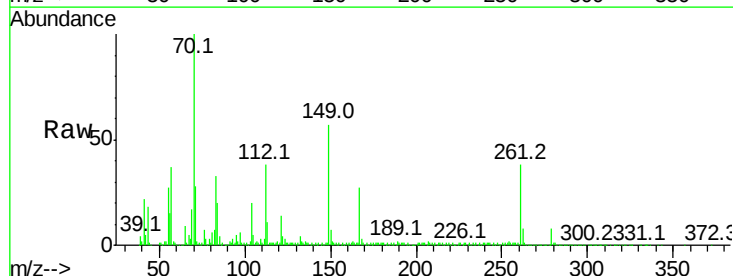
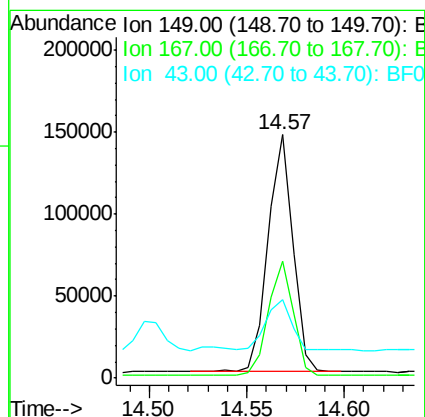
RT: 14.57 min Scan# 2122

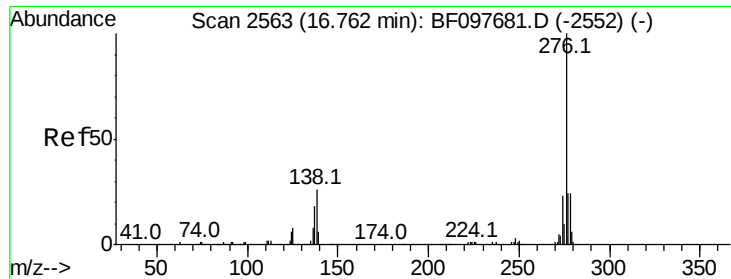
Delta R.T. 0.02 min

Lab File: BF097858.D

Acq: 19 Aug 2017 3:11

Tgt Ion:	149	Resp:	127739
Ion Ratio	Lower	Upper	
149	100		
167	48.2	1.2	1.8#
43	22.1	8.5	12.7#





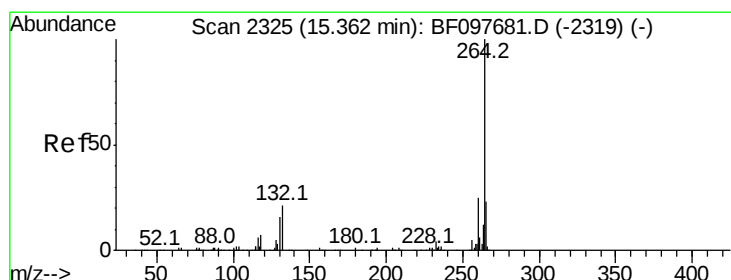
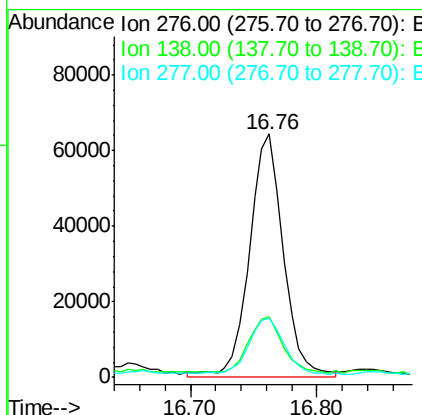
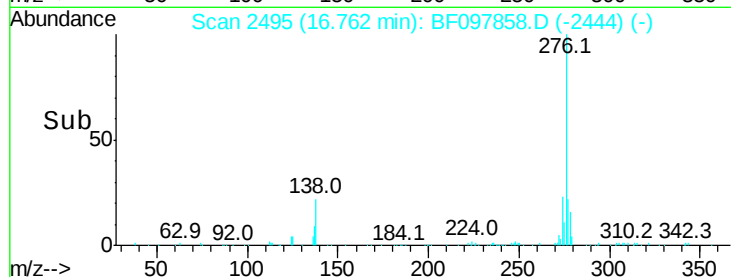
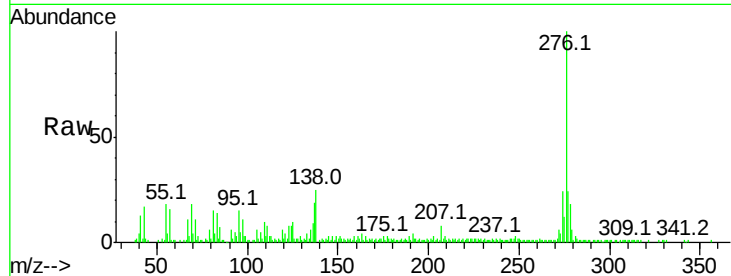
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.952 ng/ml
RT: 16.76 min Scan# 2495
Delta R.T. 0.00 min
Lab File: BF097858.D
Acq: 19 Aug 2017 3:11

Instrument :
BNA_F
ClientSampleId :
HY-SB439

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	6.4	27.8	41.6#
277	5.5	20.2	30.4#

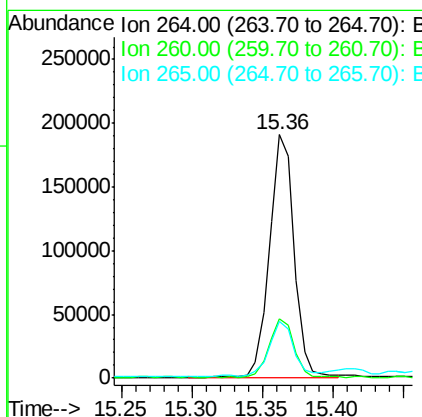
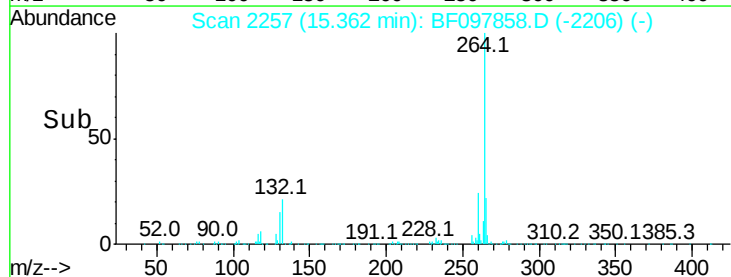
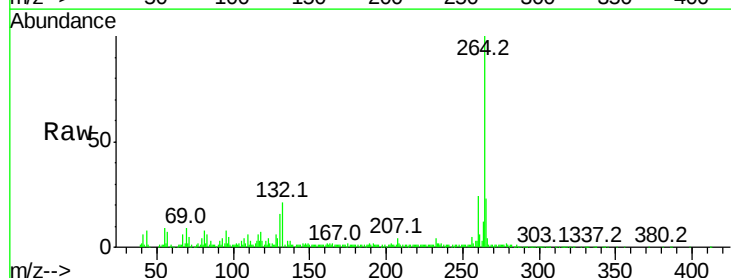
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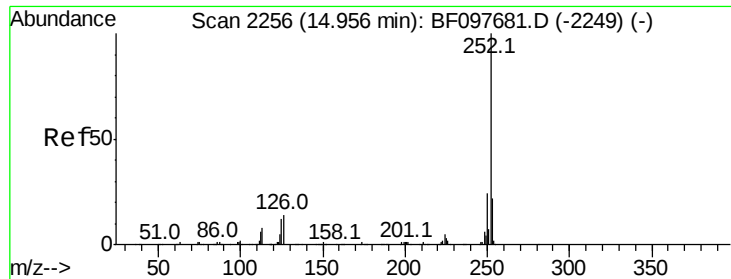
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF097858.D
Acq: 19 Aug 2017 3:11

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	24.3	19.5	29.3
265	23.1	17.2	25.8





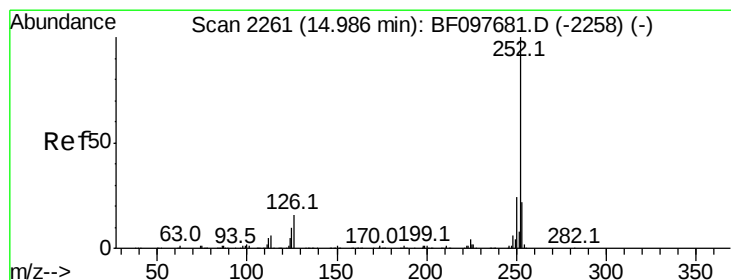
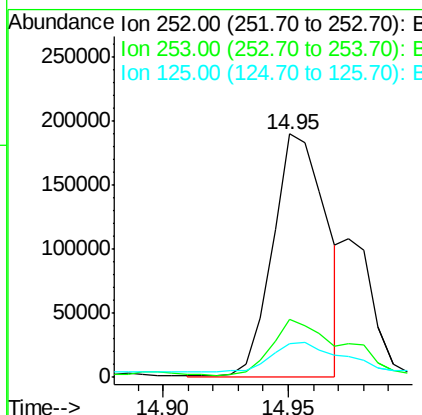
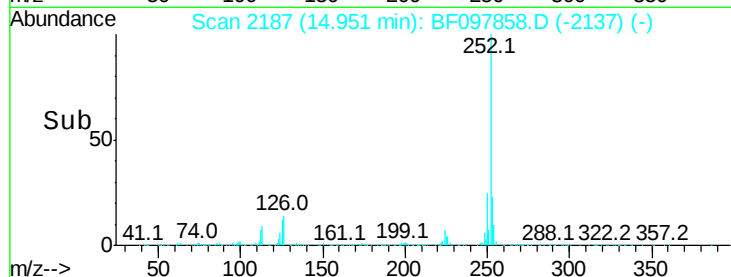
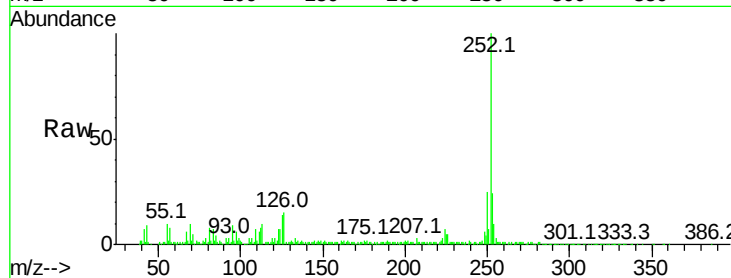
#87
Benzo(b)fluoranthene
Concen: 19.178 ng m
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF097858.D
Acq: 19 Aug 2017 3:11

Instrument :
BNA_F
ClientSampleId :
HY-SB439

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	13.8	9.8	14.8

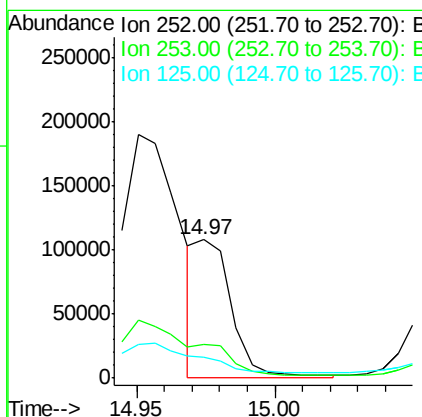
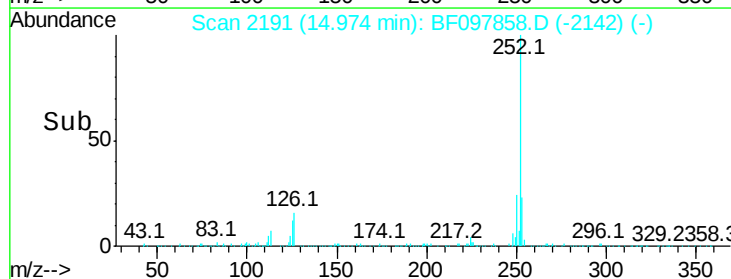
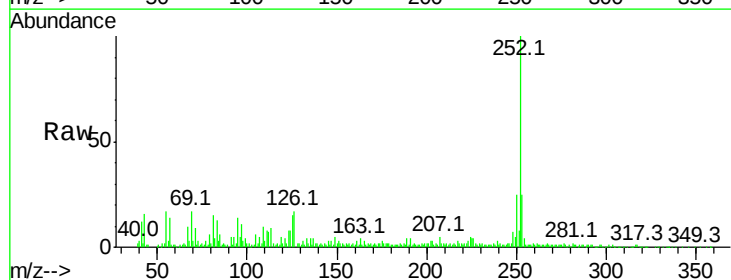
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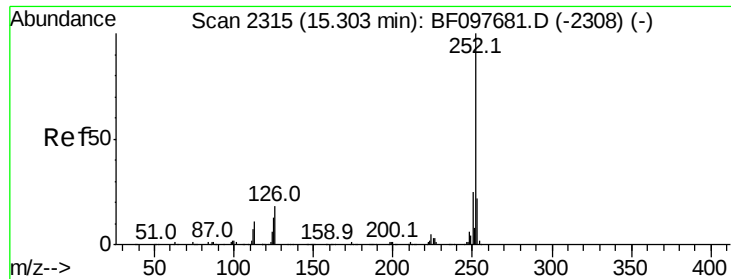
Sohil
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#88
Benzo(k)fluoranthene
Concen: 6.915 ng m
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF097858.D
Acq: 19 Aug 2017 3:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.4	27.6
125	15.4	13.1	19.7





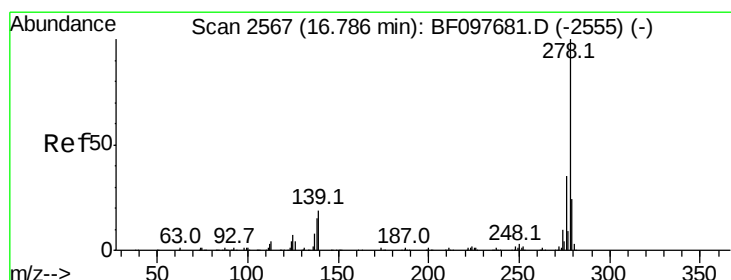
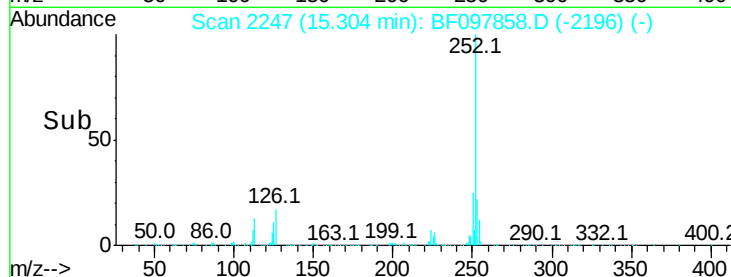
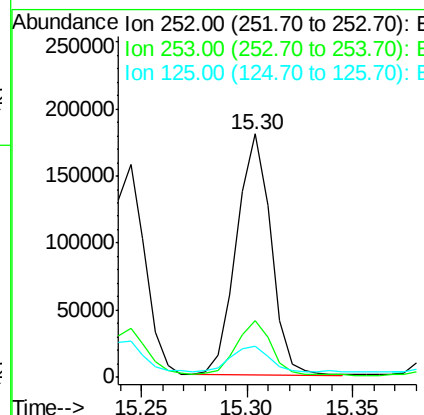
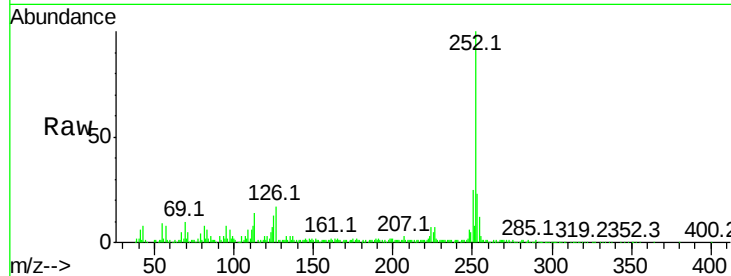
#89
Benzo(a)pyrene
Concen: 15.608 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.00 min
Lab File: BF097858.D
Acq: 19 Aug 2017 3:11

Instrument :
BNA_F
ClientSampled :
HY-SB439

Tot Ion	Ratio	Resp	Lower	Upper
252	100	202753		
253	23.4	17.5	26.3	
125	13.0	11.0	16.4	

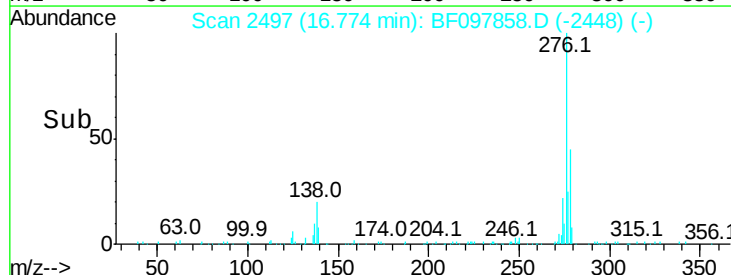
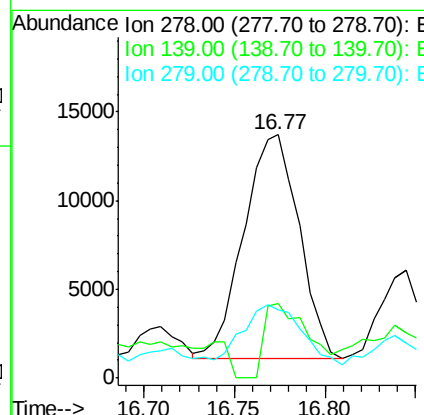
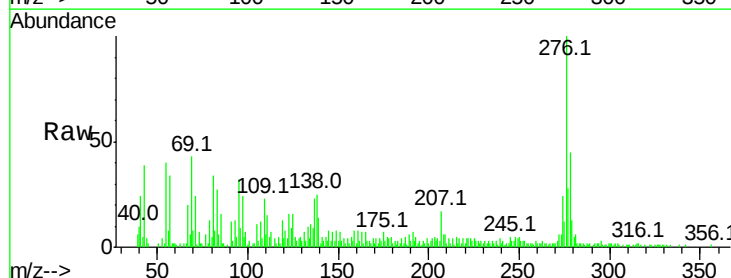
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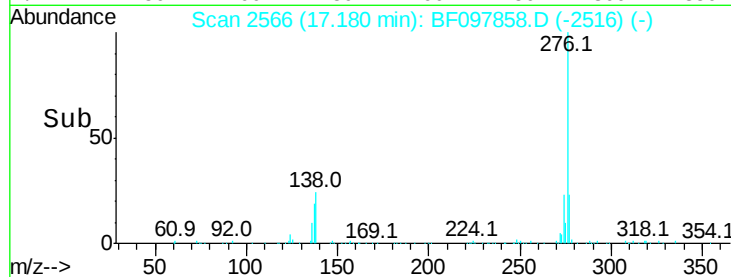
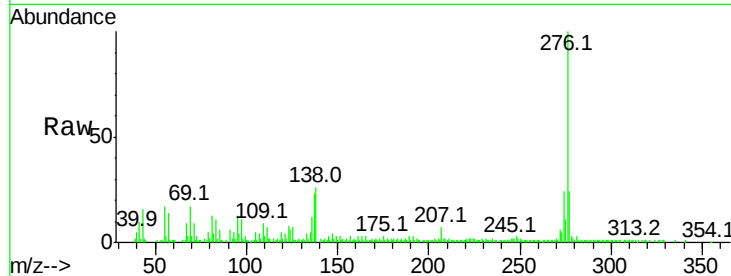
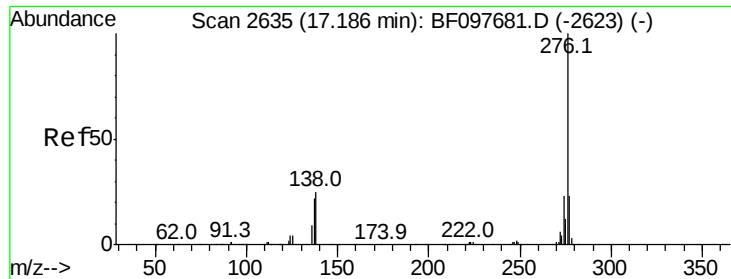
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#90
Dibenzo(a,h)anthracene
Concen: 2.514 ng
RT: 16.77 min Scan# 2497
Delta R.T. -0.01 min
Lab File: BF097858.D
Acq: 19 Aug 2017 3:11

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	26583		
139	30.6	16.6	24.8#	
279	27.8	19.3	28.9	





#91

Benzo(a,h,i)perylene

Concen: 11.687 ng

RT: 17.18 min Scan# 2566

Delta R.T. -0.01 min

Lab File: BF097858.D

Acq: 19 Aug 2017 3:11

Instrument :

BNA_F

ClientSampleId :

HY-SB439

Tot Ion:	276	Resp:	128970
Ion Ratio	Lower	Upper	
276	100		
277	23.7	18.6	28.0
138	25.7	25.4	38.0

Manual Integrations
APPROVED

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