

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
 Data File : BF103836.D
 Acq On : 21 Mar 2018 7:21
 Operator : JU/SJ
 Sample : J1982-03DL 5X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-114(4-5)DL

Manual Integrations
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Quant Time: Mar 21 08:23:40 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	168811	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	668112	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	290470	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	439626	20.00	ng	0.00
75) Chrysene-d12	14.16	240	317797	20.00	ng	0.00
86) Perylene-d12	15.70	264	272535	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	294101	26.50	ng	0.00
7) Phenol-d6	6.58	99	378876	27.90	ng	0.00
23) Nitrobenzene-d5	7.53	82	208346	21.75	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	60976	24.42	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	360533	19.80	ng	0.00
78) Terphenyl-d14	13.09	244	253228	18.50	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.27	128	802875	23.789	ng	99
37) 2-Methylnaphthalene	8.96	142	129582	6.055	ng	99
48) Acenaphthylene	9.87	152	163370	5.476	ng	99
51) Acenaphthene	10.05	154	37148	2.097	ng	99
57) Fluorene	10.56	166	105931	5.396	ng	99
70) Phenanthrene	11.53	178	560808	23.320	ng	100
71) Anthracene	11.58	178	206647	8.460	ng	99
74) Fluoranthene	12.73	202	635971	25.669	ng	97
77) Pyrene	12.96	202	645172	27.644	ng	99
80) Benzo(a)anthracene	14.14	228	348742	17.336	ng	93
82) Chrysene	14.19	228	304750	15.892	ng	99
85) Indeno(1,2,3-cd)pyrene	17.26	276	121531	7.257	ng	95
87) Benzo(b)fluoranthene	15.24	252	344372m	20.001	ng	
88) Benzo(k)fluoranthene	15.26	252	123158m	7.441	ng	
89) Benzo(a)pyrene	15.63	252	266973	17.095	ng	96
90) Dibenzo(a,h)anthracene	17.27	278	35481m	2.624	ng	
91) Benzo(g,h,i)perylene	17.74	276	115949	8.814	ng	98

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

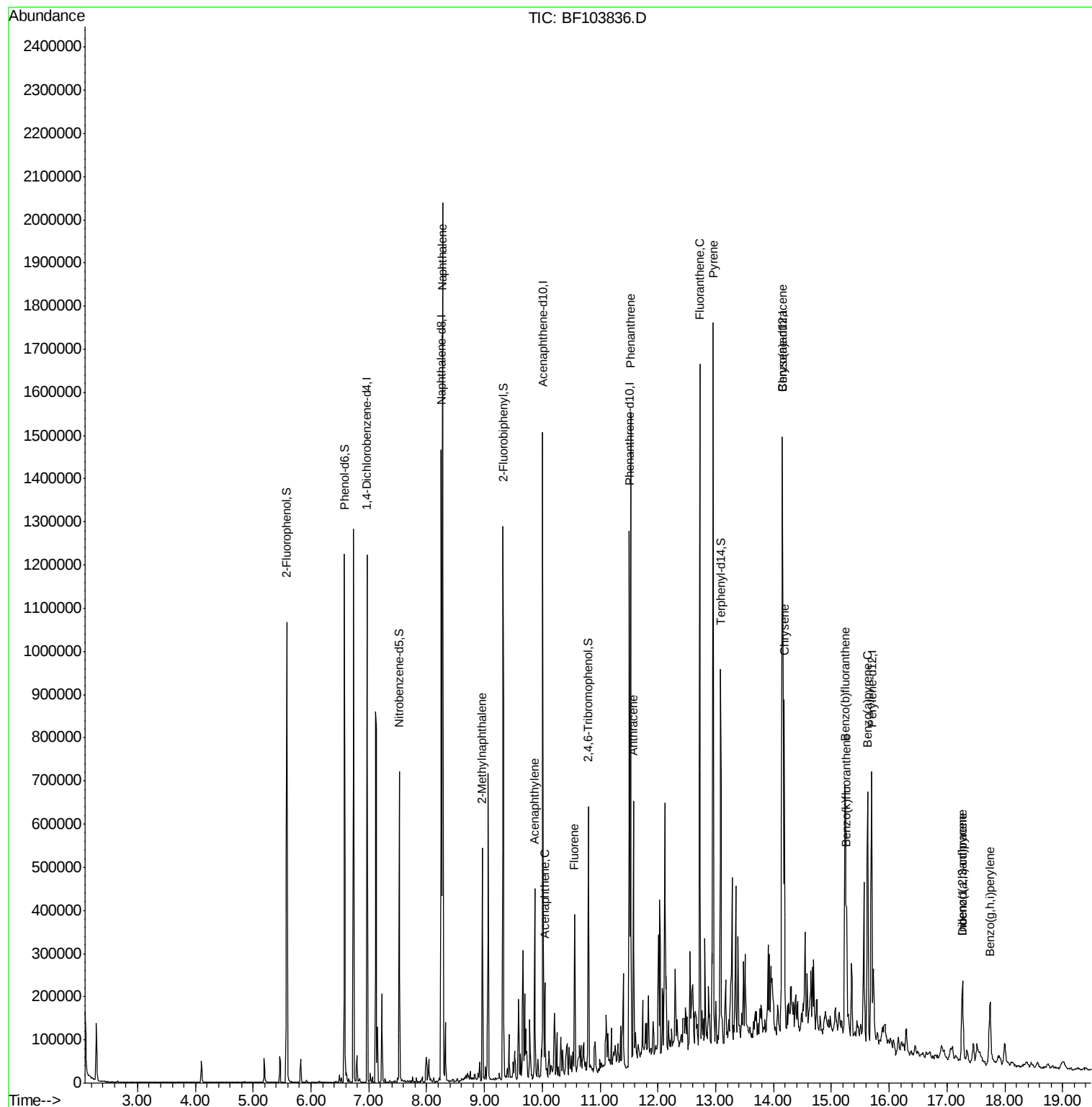
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
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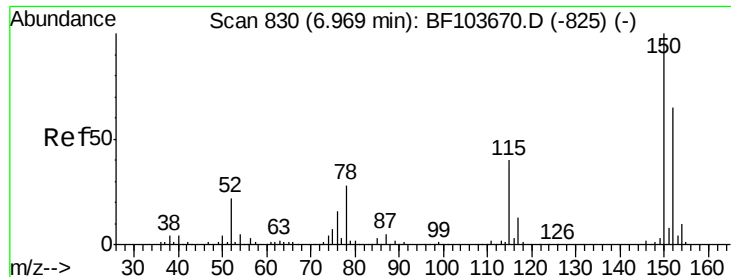
Instrument :
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#1

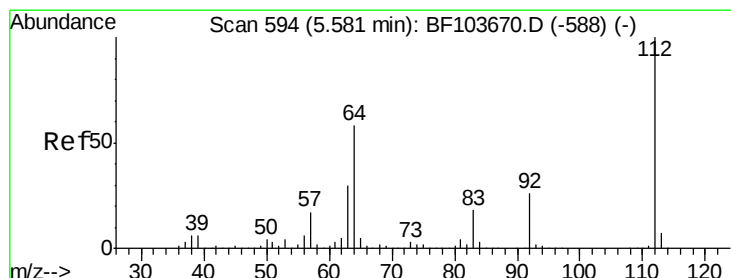
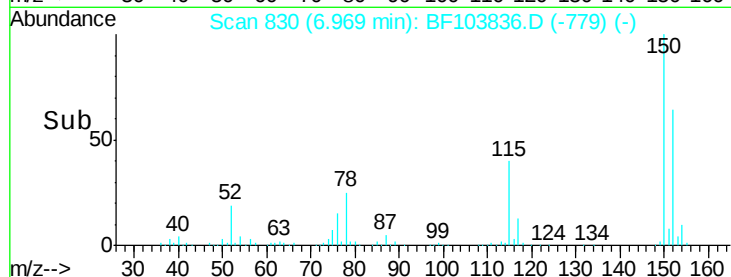
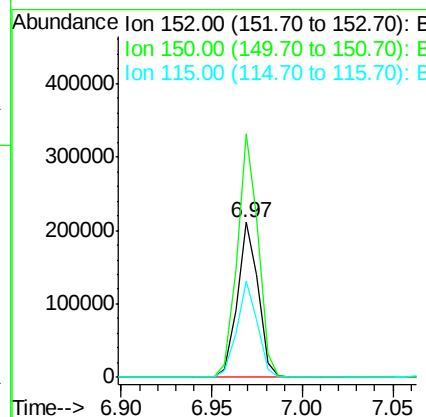
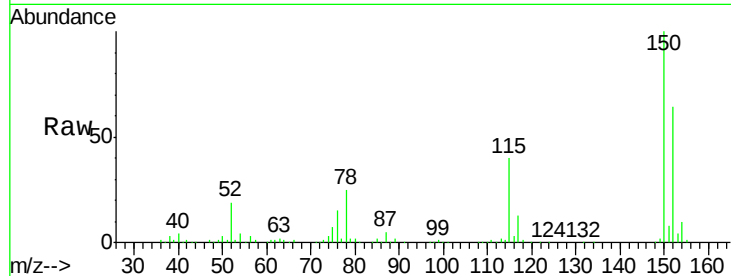
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF103836.D
Acq: 21 Mar 2018 7:21

Instrument :
BNA_F
ClientSampleId :
SB-114(4-5)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.6	186.8
115	62.3	50.1	75.1

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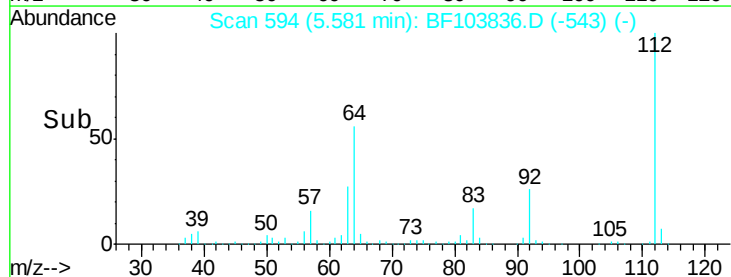
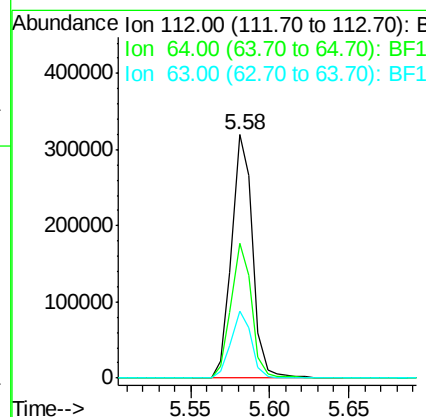
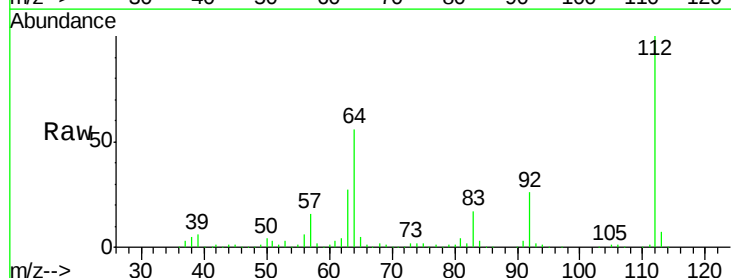
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#5

2-Fluorophenol
Concen: 26.499 ng
RT: 5.58 min Scan# 594
Delta R.T. 0.00 min
Lab File: BF103836.D
Acq: 21 Mar 2018 7:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	47.9	71.9
63	27.3	23.7	35.5





#7

Phenol-d6

Concen: 27.903 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF103836.D

Acq: 21 Mar 2018 7:21

Instrument :

BNA_F

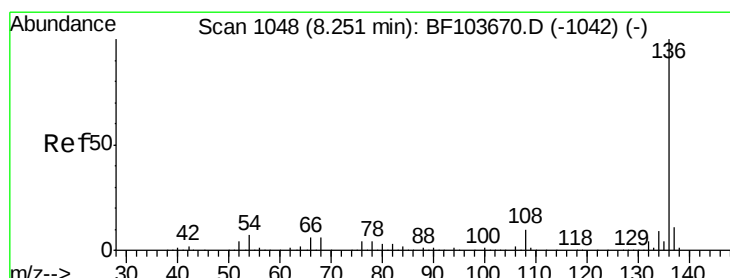
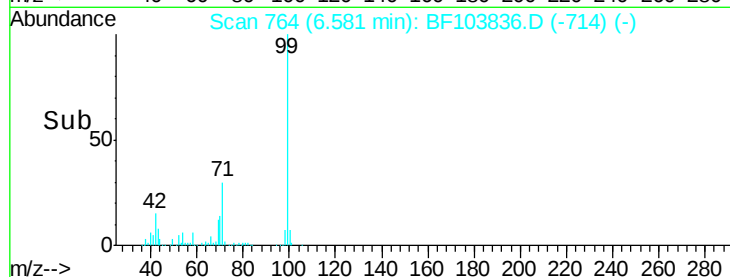
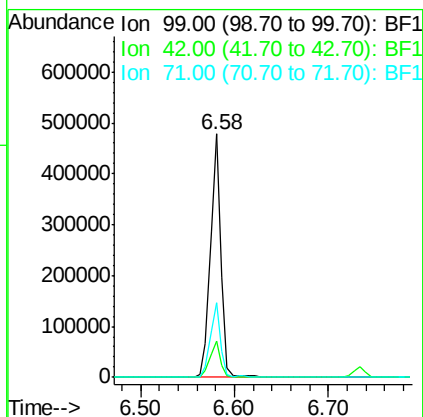
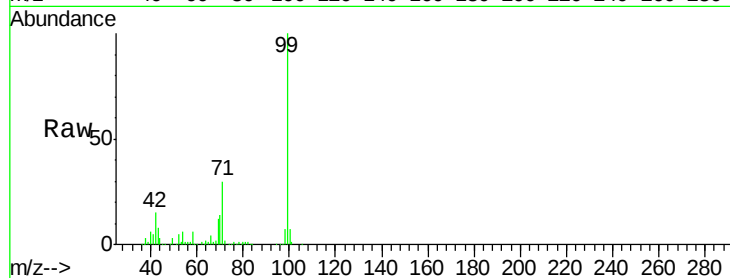
ClientSampleId :

SB-114(4-5)DL

Tot Ion:	99	Resp:	378876
Ion Ratio	Lower	Upper	
99	100		
42	14.8	14.5	21.7
71	30.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

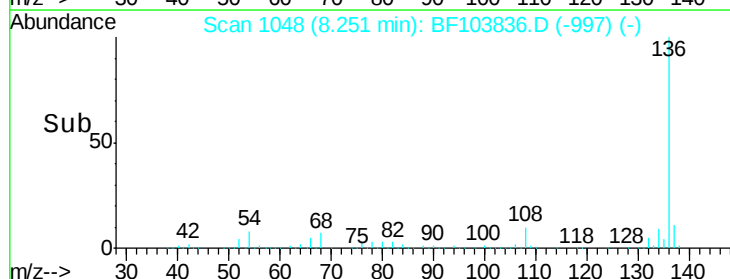
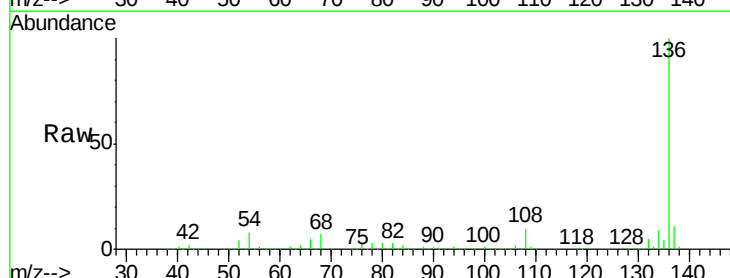
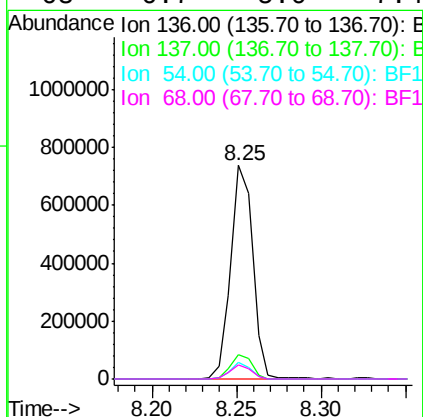
RT: 8.25 min Scan# 1048

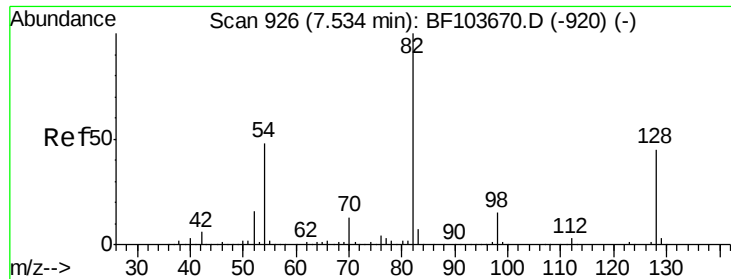
Delta R.T. 0.00 min

Lab File: BF103836.D

Acq: 21 Mar 2018 7:21

Tgt Ion:	136	Resp:	668112
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	7.5	6.6	9.8
68	6.7	5.0	7.4





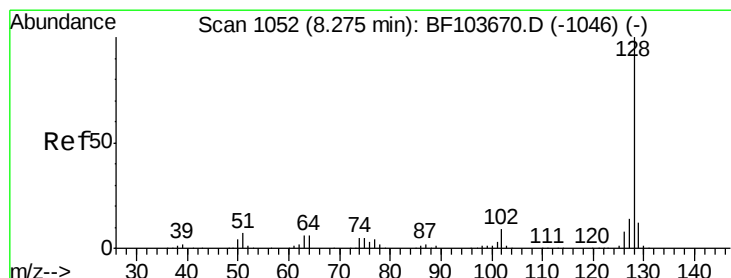
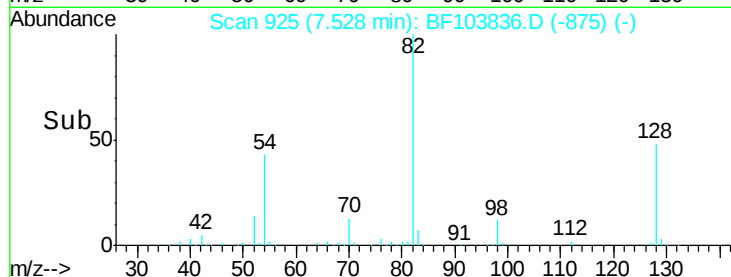
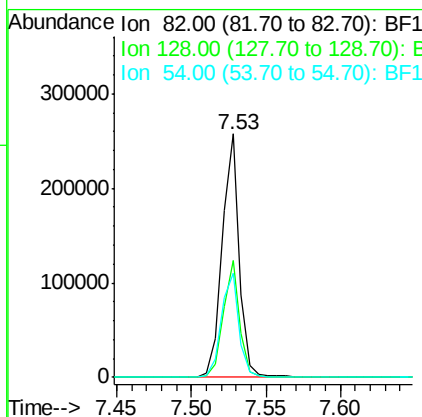
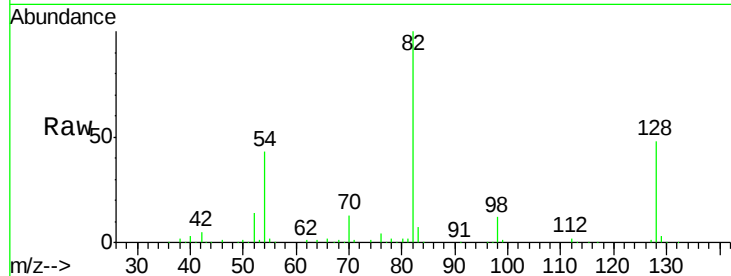
#23
Nitrobenzene-d5
Concen: 21.747 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF103836.D
Acq: 21 Mar 2018 7:21

Instrument :
BNA_F
ClientSampleId :
SB-114(4-5)DL

Tot Ion	82	Resp	208346
Ion Ratio	100	Lower	Upper
128	48.0	36.1	54.1
54	43.0	41.4	62.2

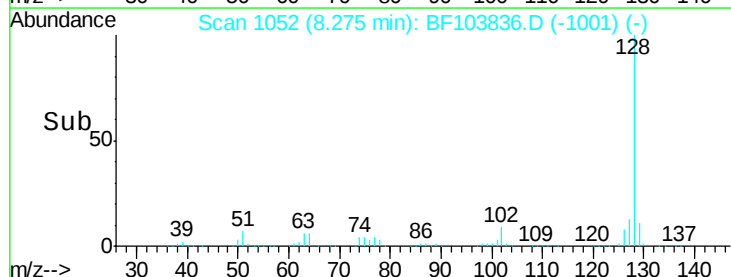
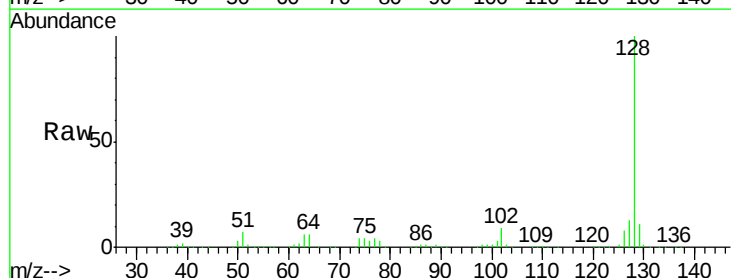
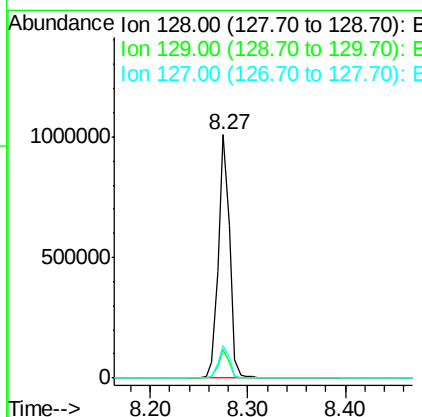
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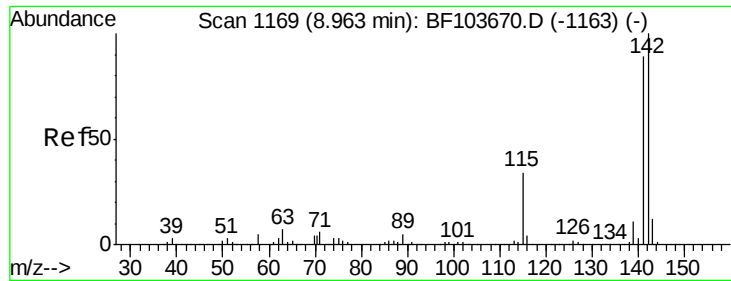
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#31
Naphthalene
Concen: 23.789 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF103836.D
Acq: 21 Mar 2018 7:21

Tgt Ion	128	Resp	802875
Ion Ratio	100	Lower	Upper
129	11.5	8.8	13.2
127	13.3	10.9	16.3





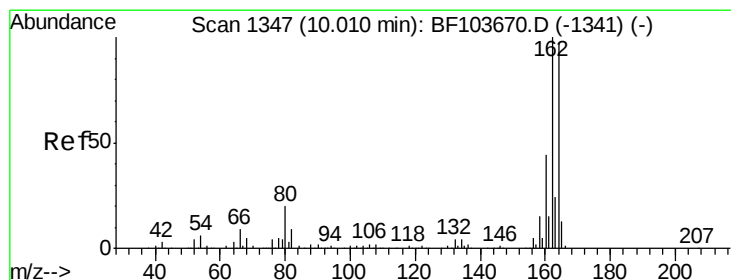
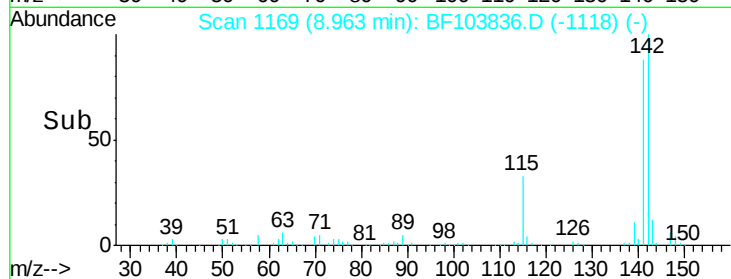
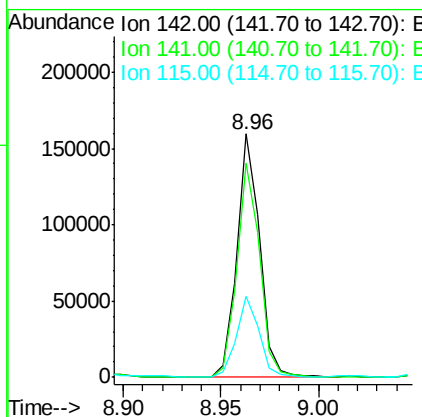
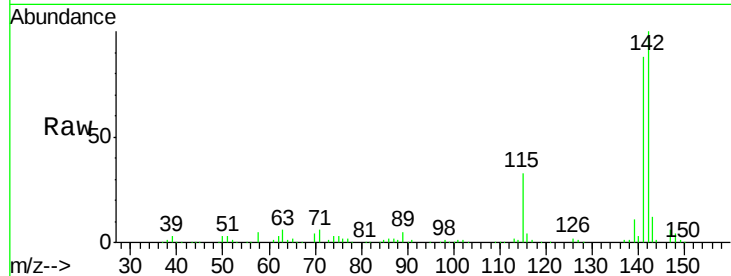
#37
2-Methylnaphthalene
Concen: 6.055 ng
RT: 8.96 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BF103836.D
Acq: 21 Mar 2018 7:21

Instrument :
BNA_F
ClientSampleId :
SB-114(4-5)DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.8	106.2
115	33.2	26.1	39.1

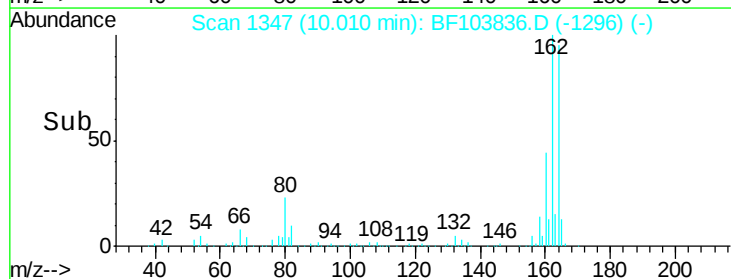
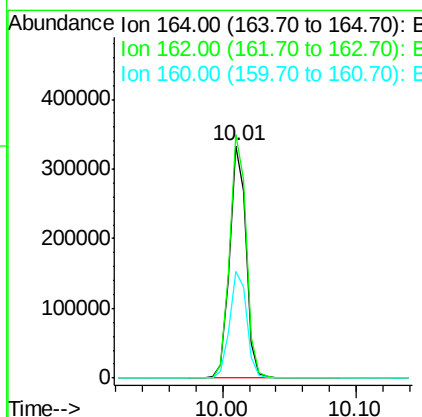
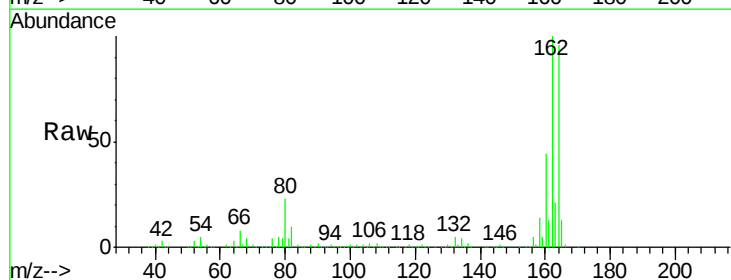
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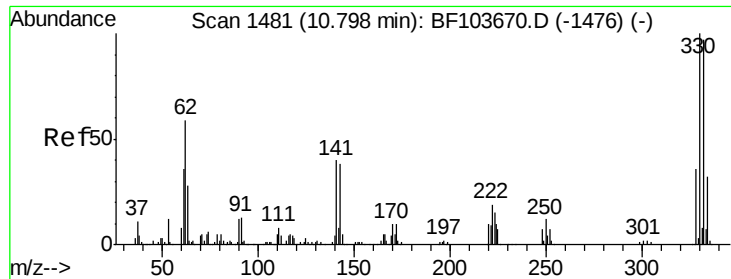
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.00 min
Lab File: BF103836.D
Acq: 21 Mar 2018 7:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	86.1	129.1
160	45.6	38.3	57.5





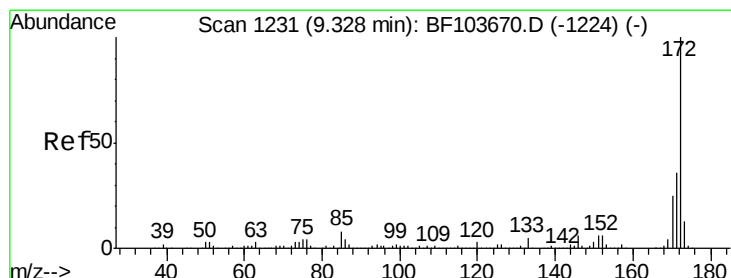
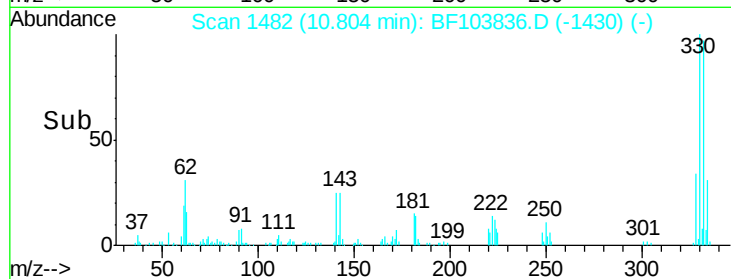
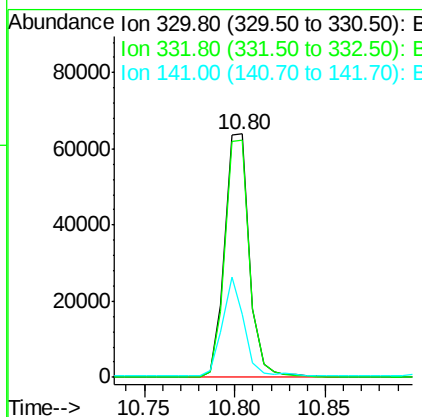
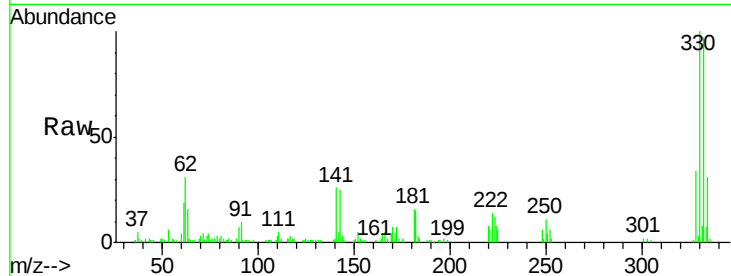
#41
 2,4,6-Tribromophenol
 Concen: 24.415 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: BF103836.D
 Acq: 21 Mar 2018 7:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-114(4-5)DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	36.6	29.9	44.9

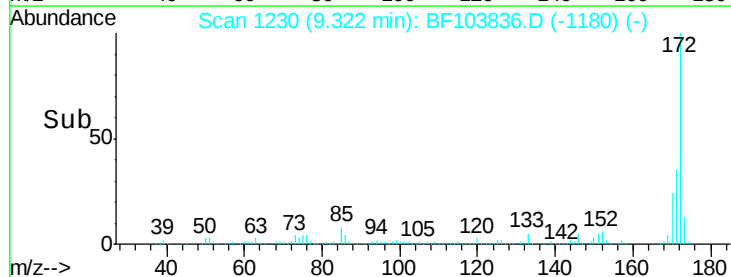
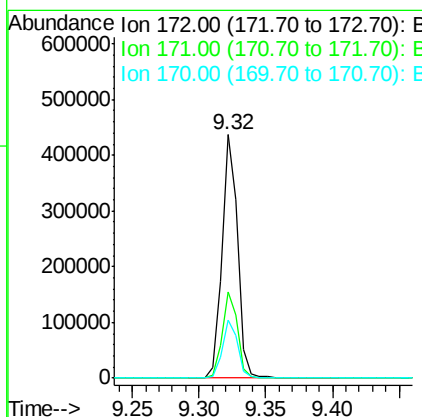
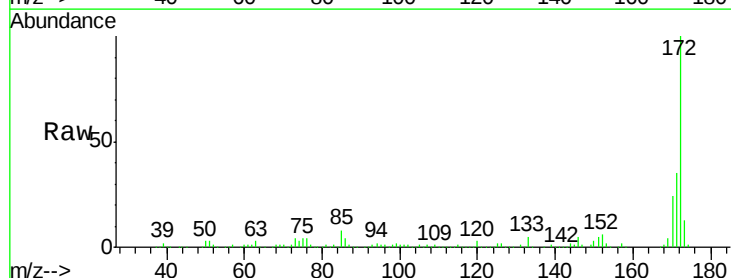
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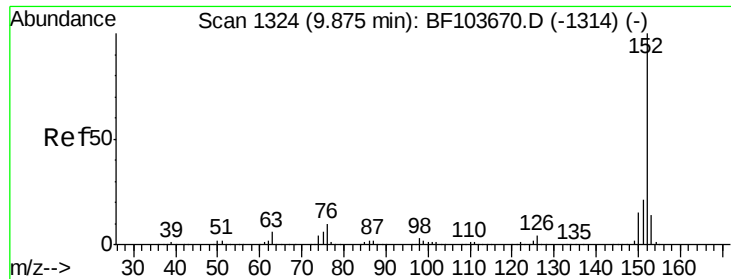
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#44
 2-Fluorobiphenyl
 Concen: 19.799 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF103836.D
 Acq: 21 Mar 2018 7:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.6	19.6	29.4





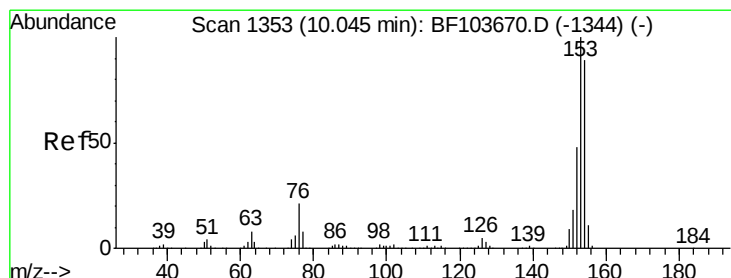
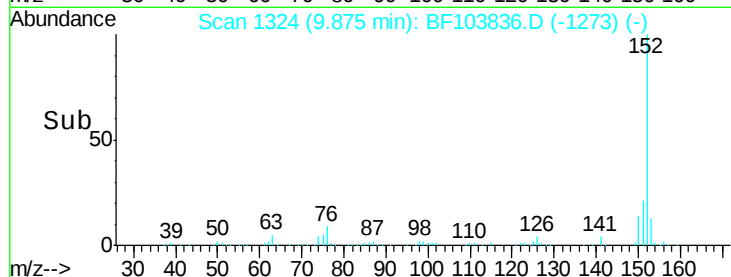
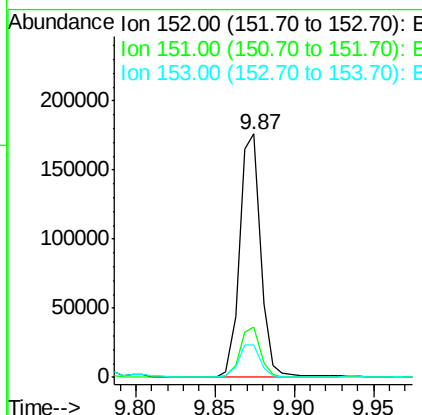
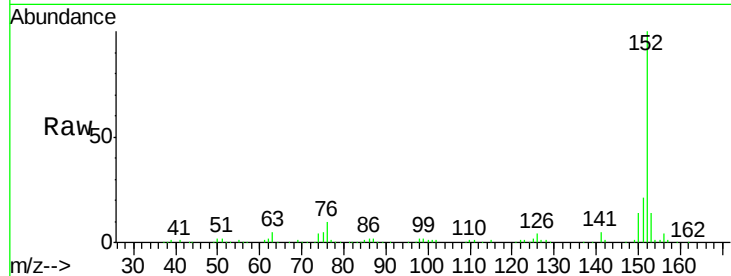
#48
Acenaphthylene
Concen: 5.476 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.00 min
Lab File: BF103836.D
Acq: 21 Mar 2018 7:21

Instrument :
BNA_F
ClientSampleId :
SB-114(4-5)DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.3	24.5
153	13.5	10.7	16.1

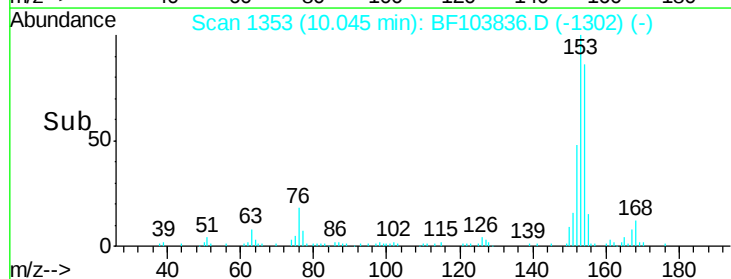
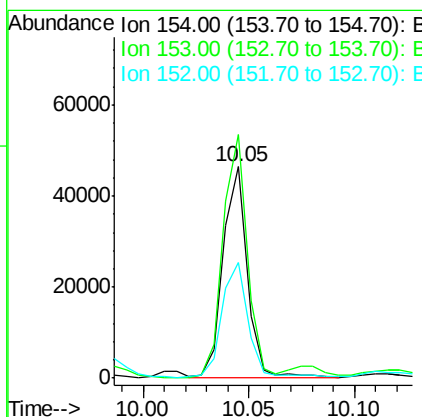
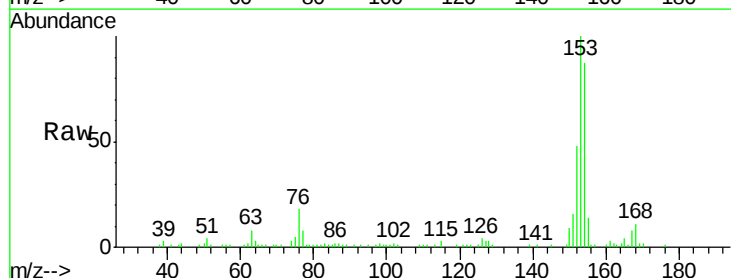
Manual Integrations
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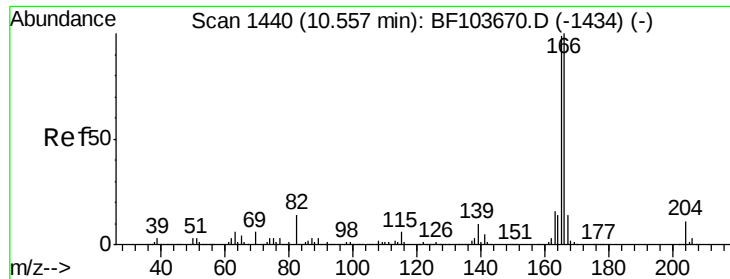
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#51
Acenaphthene
Concen: 2.097 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.00 min
Lab File: BF103836.D
Acq: 21 Mar 2018 7:21

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.3	91.2	136.8
152	55.0	43.8	65.8





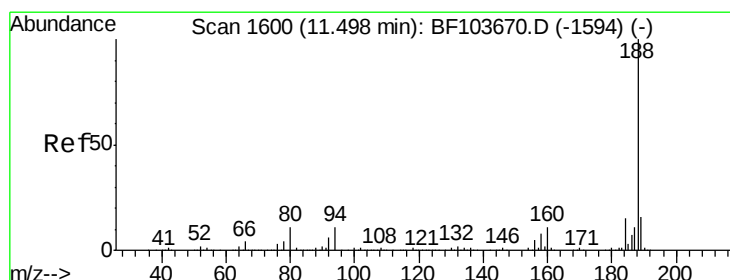
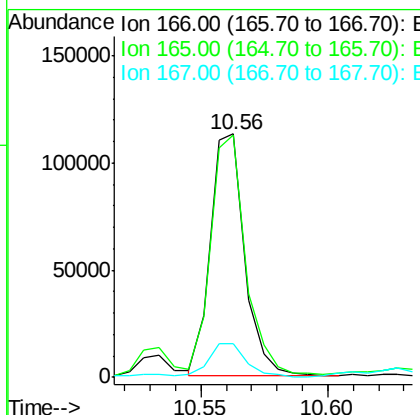
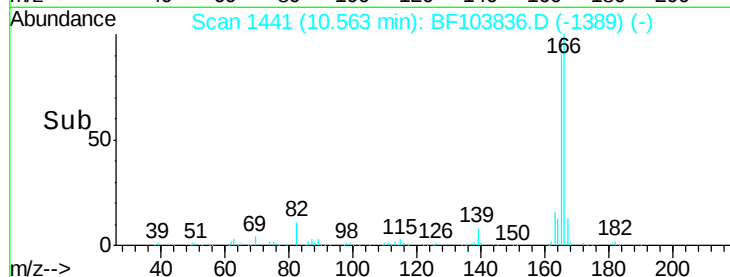
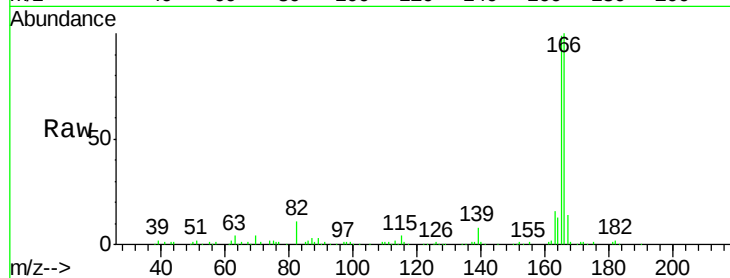
#57
Fluorene
 Concen: 5.396 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: BF103836.D
 Acq: 21 Mar 2018 7:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-114(4-5)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	99.4	79.8	119.8		
167	13.9	10.6	16.0		

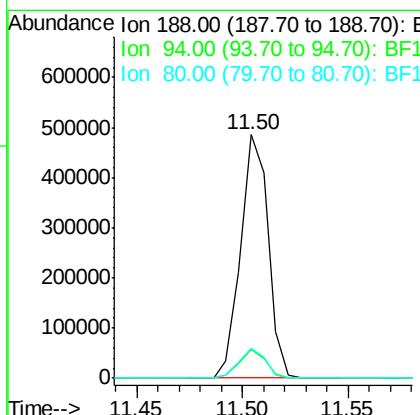
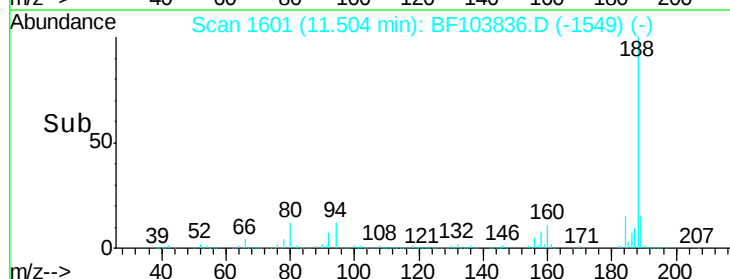
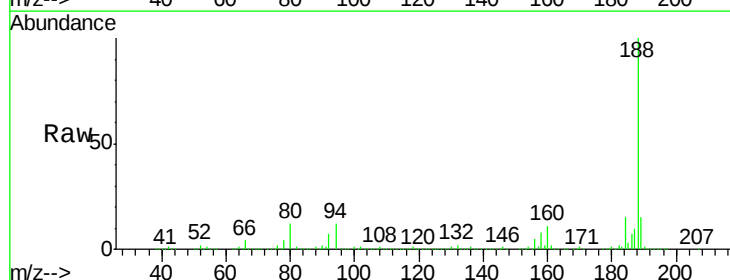
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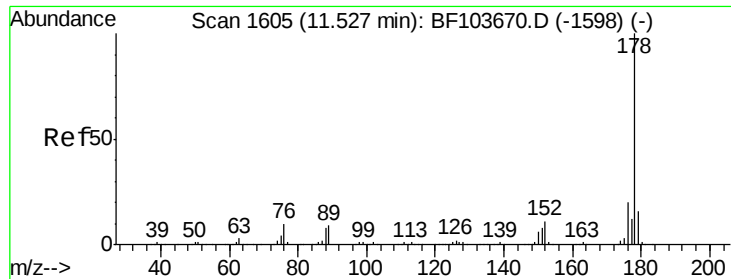
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103836.D
 Acq: 21 Mar 2018 7:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	11.9	8.5	12.7		
80	12.4	9.2	13.8		





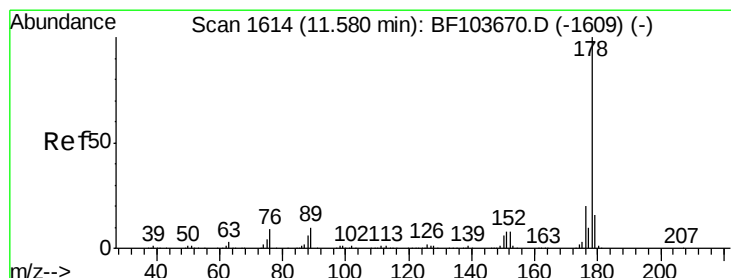
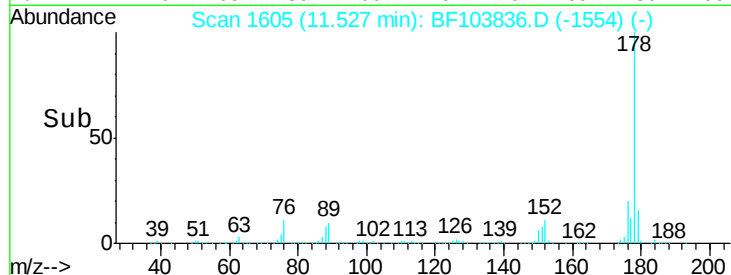
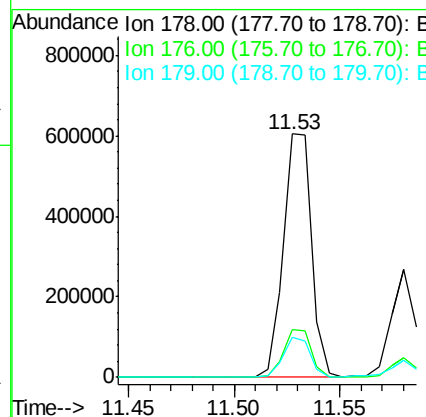
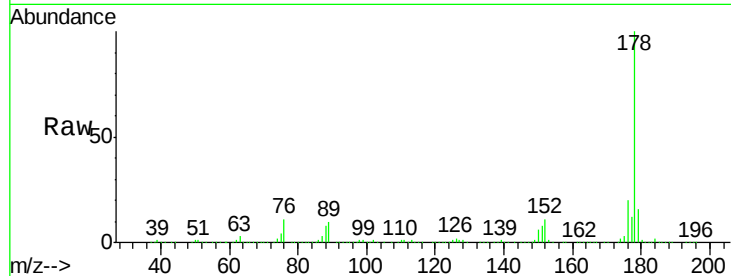
#70
Phenanthrene
Concen: 23.320 ng
RT: 11.53 min Scan# 1605
Delta R.T. 0.00 min
Lab File: BF103836.D
Acq: 21 Mar 2018 7:21

Instrument :
BNA_F
ClientSampleId :
SB-114(4-5)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	16.2	13.0	19.6

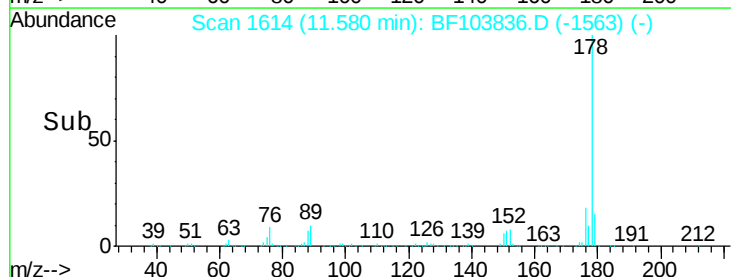
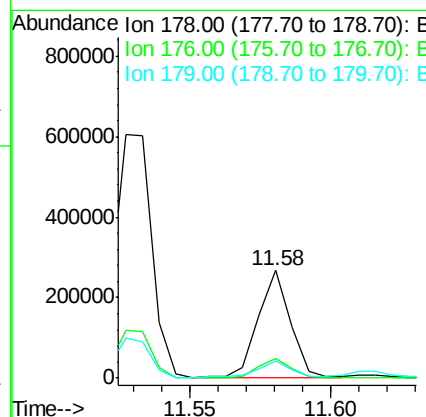
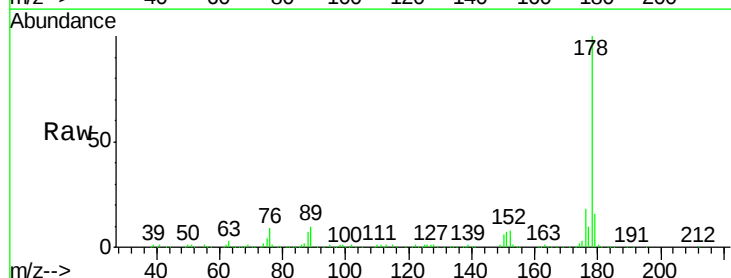
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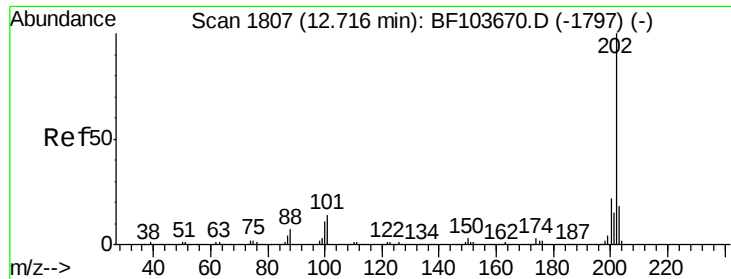
Sohil
3/22/2018 12:58:08 PM



#71
Anthracene
Concen: 8.460 ng
RT: 11.58 min Scan# 1614
Delta R.T. 0.00 min
Lab File: BF103836.D
Acq: 21 Mar 2018 7:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.8	12.6	19.0





#74

Fluoranthene

Concen: 25.669 ng

RT: 12.73 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BF103836.D

Acq: 21 Mar 2018 7:21

Instrument :

BNA_F

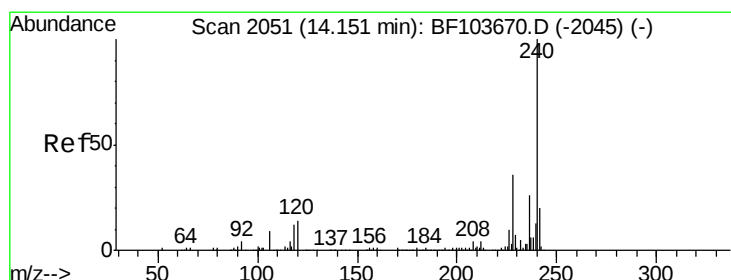
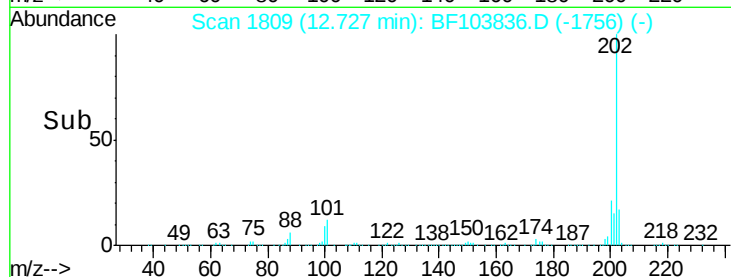
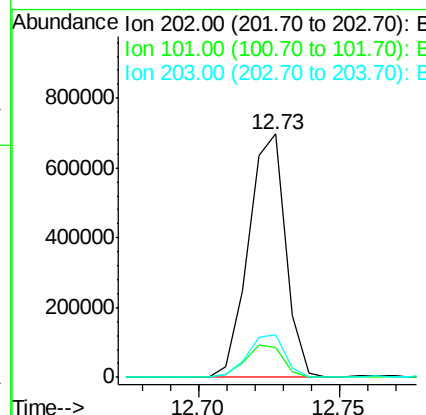
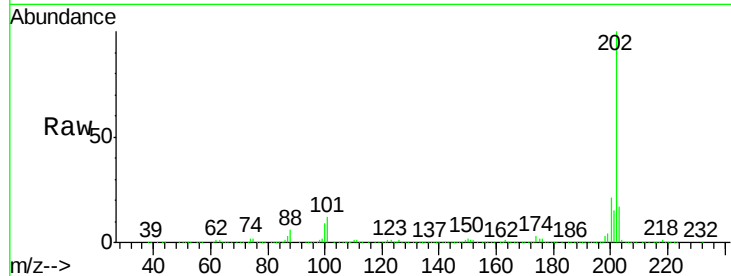
ClientSampleId :

SB-114(4-5)DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.3	0.0	34.1
203	17.3	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

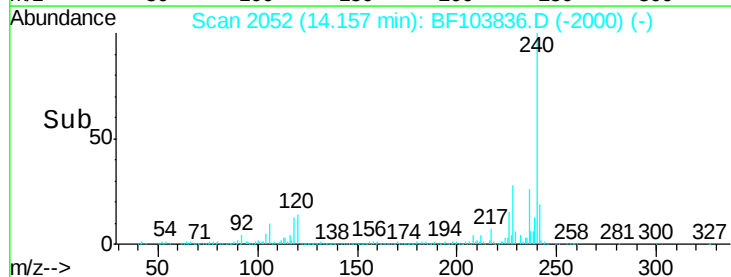
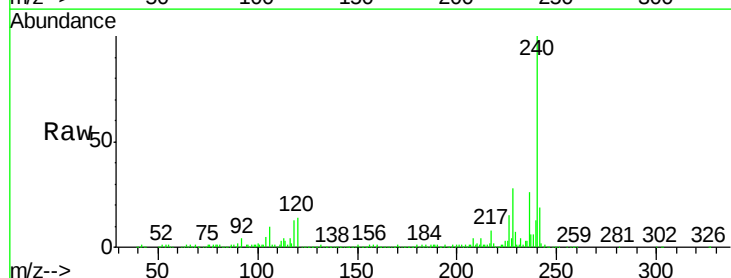
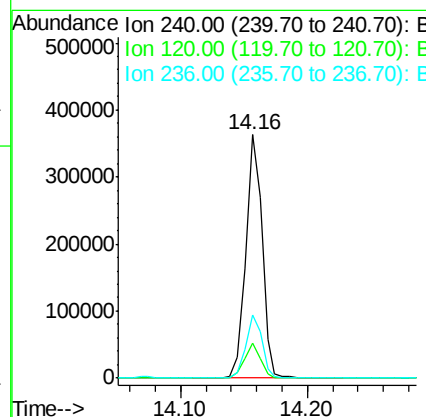
RT: 14.16 min Scan# 2052

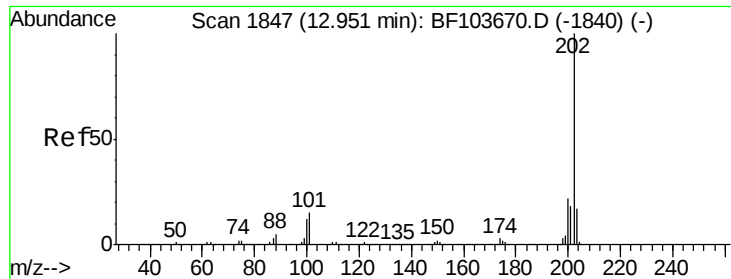
Delta R.T. 0.01 min

Lab File: BF103836.D

Acq: 21 Mar 2018 7:21

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.1	9.5	14.3
236	26.0	20.7	31.1





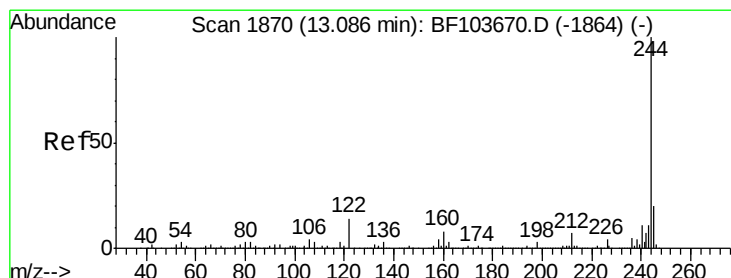
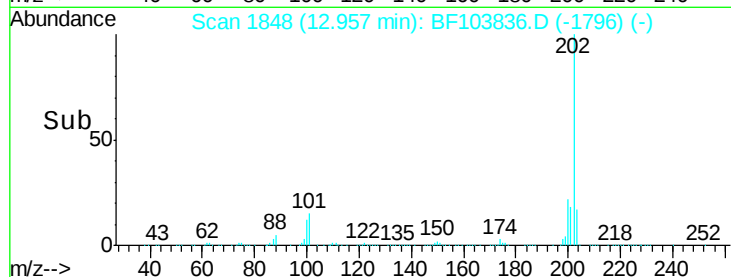
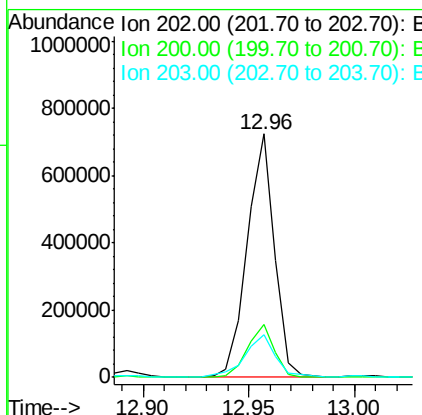
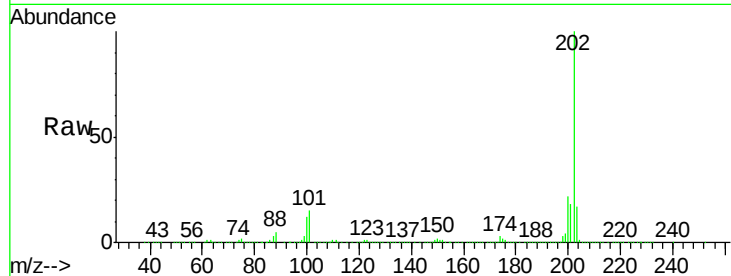
#77
Pvrene
Concen: 27.644 ng
RT: 12.96 min Scan# 1848
Delta R.T. 0.01 min
Lab File: BF103836.D
Acq: 21 Mar 2018 7:21

Instrument :
BNA_F
ClientSampleId :
SB-114(4-5)DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2
203	17.4	14.3	21.5

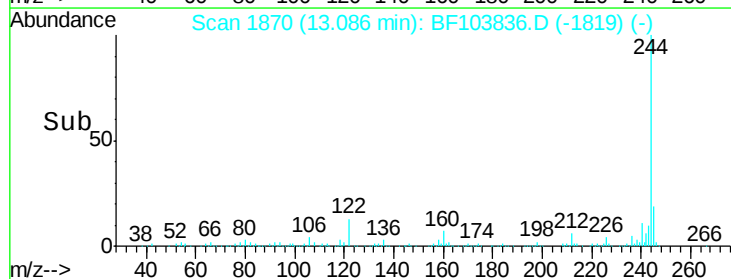
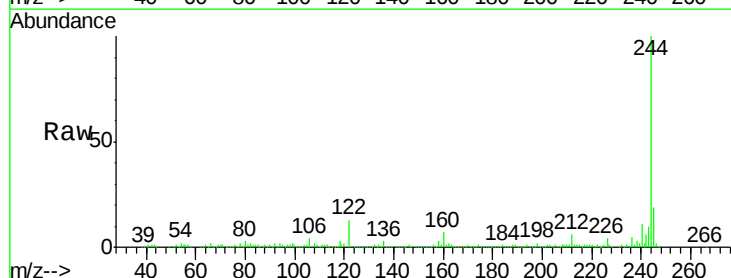
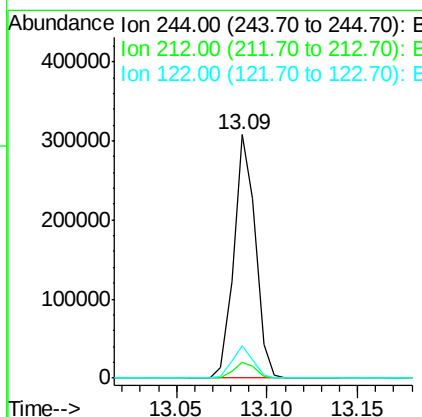
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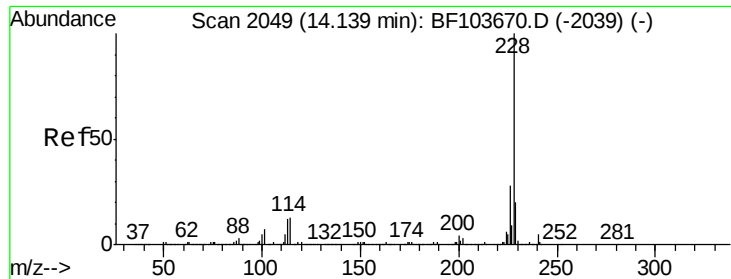
Sohil
3/22/2018 12:58:08 PM



#78
Terphenyl-d14
Concen: 18.495 ng
RT: 13.09 min Scan# 1870
Delta R.T. 0.00 min
Lab File: BF103836.D
Acq: 21 Mar 2018 7:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	13.2	11.0	16.4





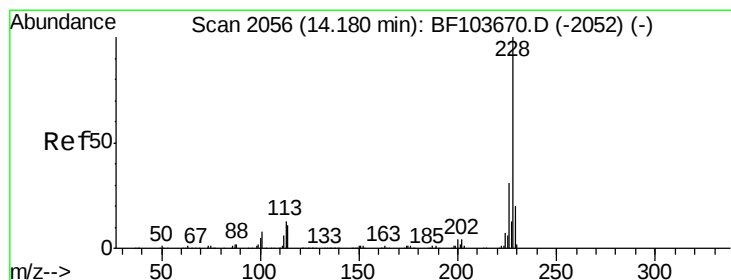
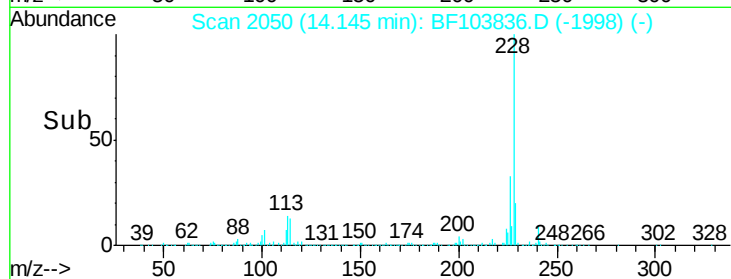
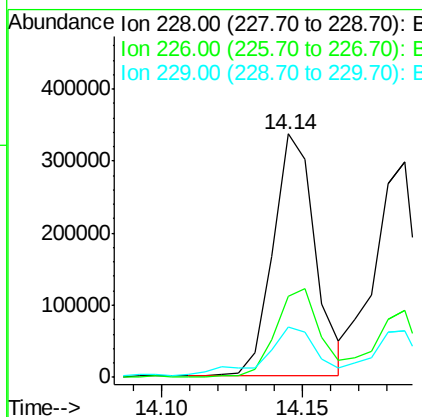
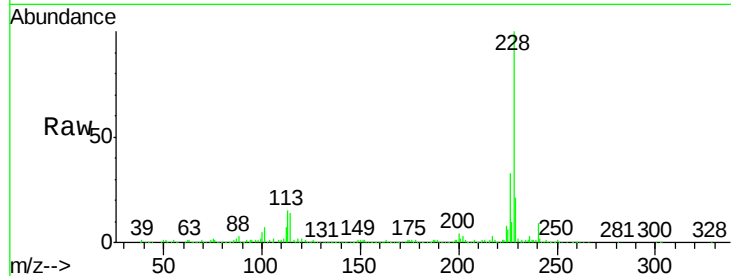
#80
Benzo(a)anthracene
Concen: 17.336 ng
RT: 14.14 min Scan# 2050
Delta R.T. 0.01 min
Lab File: BF103836.D
Acq: 21 Mar 2018 7:21

Instrument :
BNA_F
ClientSampleId :
SB-114(4-5)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.4	22.6	33.8
229	20.9	15.8	23.6

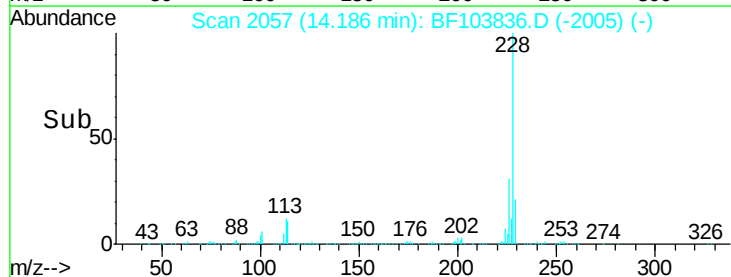
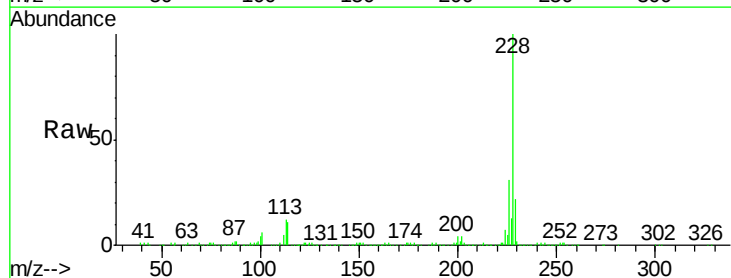
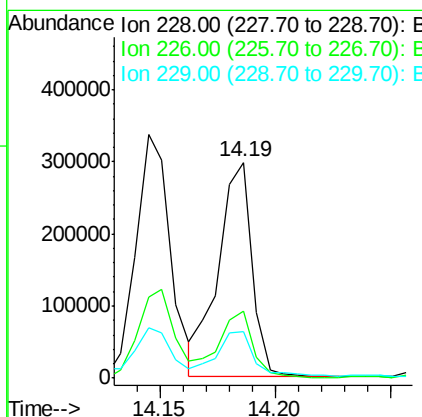
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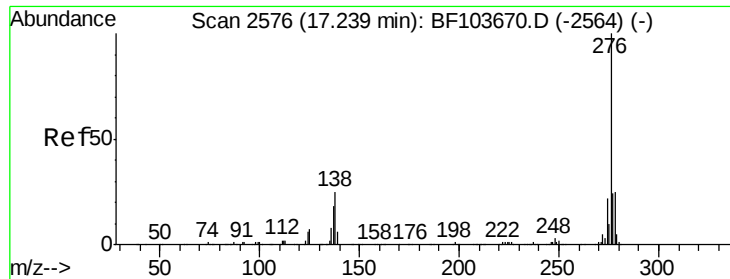
Sohil
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#82
Chrysene
Concen: 15.892 ng
RT: 14.19 min Scan# 2057
Delta R.T. 0.01 min
Lab File: BF103836.D
Acq: 21 Mar 2018 7:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	21.8	16.2	24.4





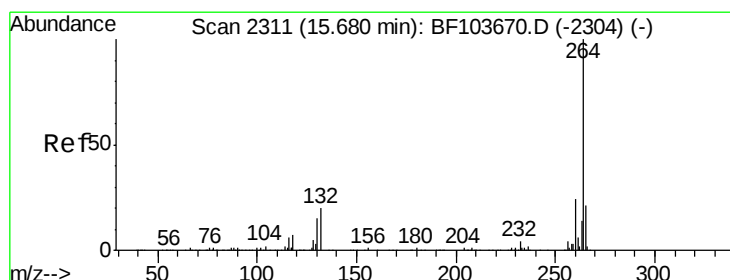
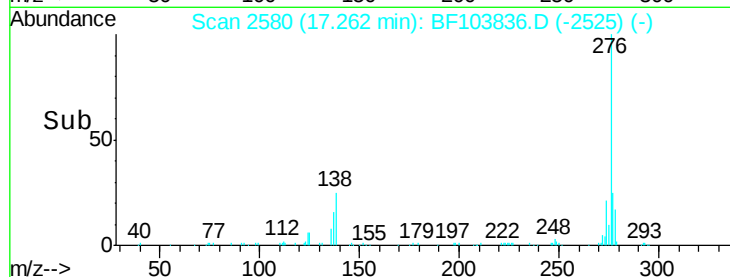
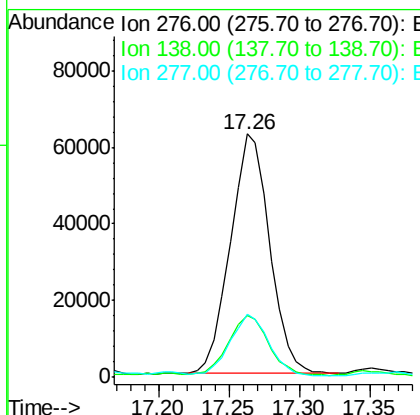
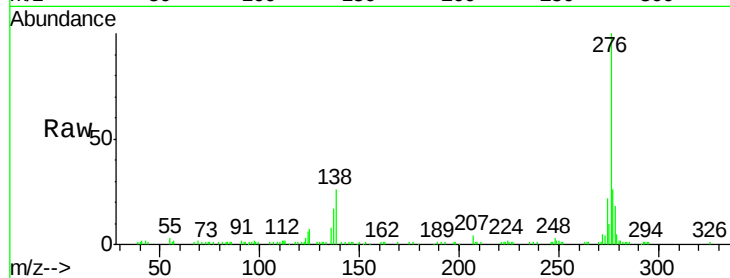
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.257 ng
RT: 17.26 min Scan# 2580
Delta R.T. 0.02 min
Lab File: BF103836.D
Acq: 21 Mar 2018 7:21

Instrument :
BNA_F
ClientSampleId :
SB-114(4-5)DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.0	25.0	37.6
277	25.2	20.1	30.1

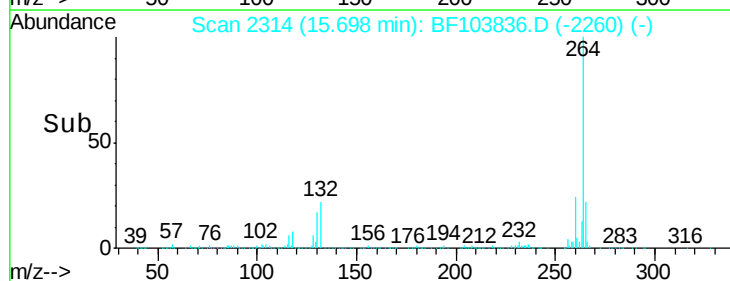
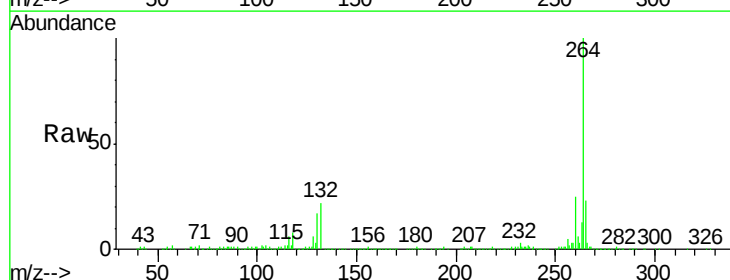
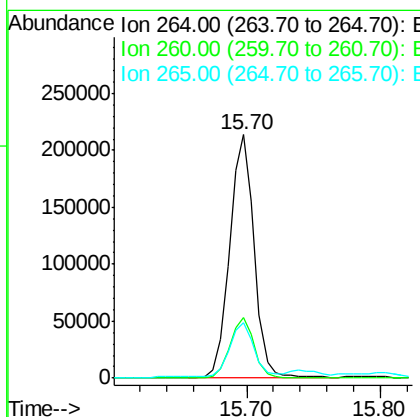
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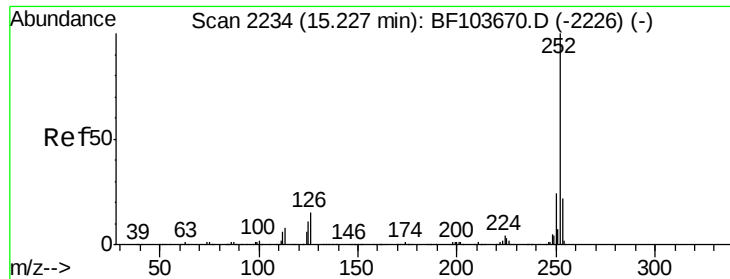
Sohil
3/22/2018 12:58:08 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. 0.02 min
Lab File: BF103836.D
Acq: 21 Mar 2018 7:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.6	17.5	26.3





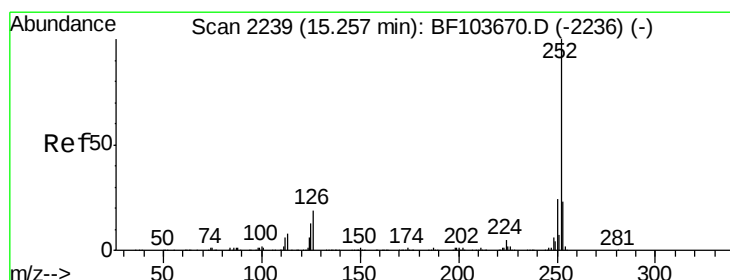
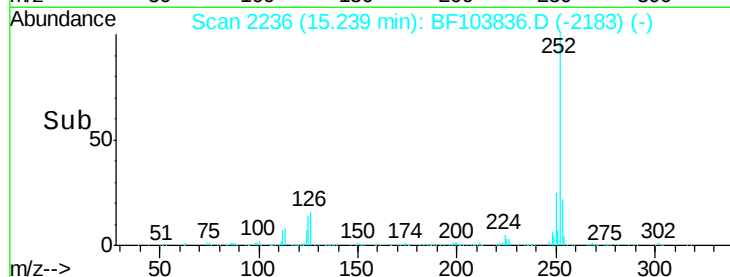
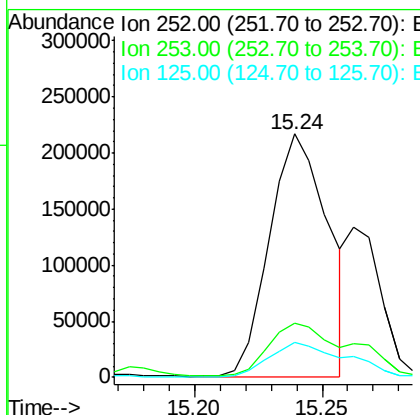
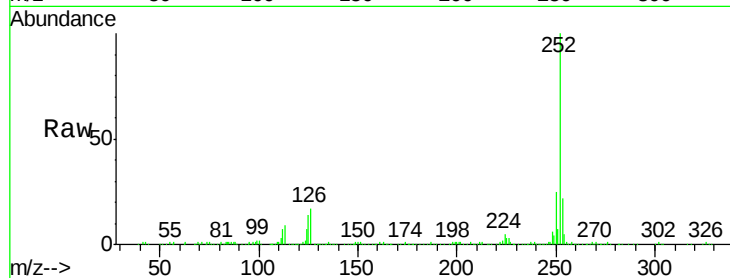
#87
Benzo(b)fluoranthene
Concen: 20.001 ng m
RT: 15.24 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BF103836.D
Acq: 21 Mar 2018 7:21

Instrument :
BNA_F
ClientSampleId :
SB-114(4-5)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	14.3	9.0	13.6

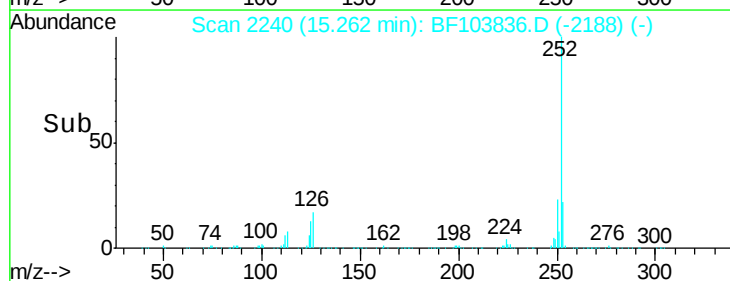
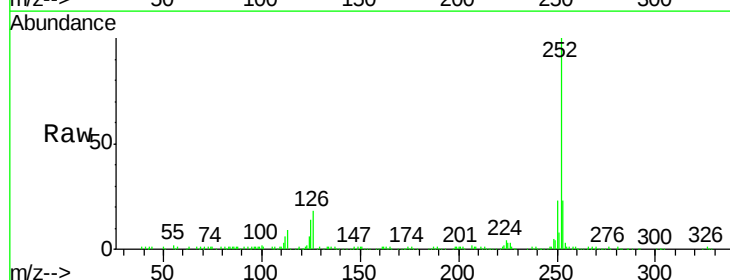
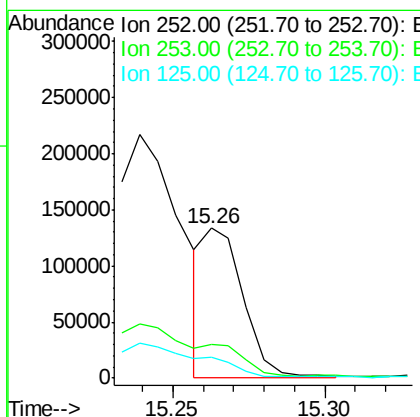
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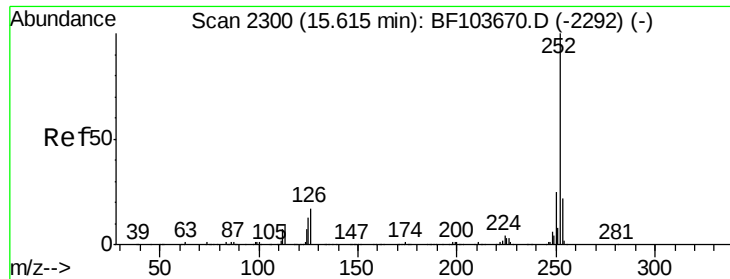
Sohil
3/22/2018 12:58:08 PM



#88
Benzo(k)fluoranthene
Concen: 7.441 ng m
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF103836.D
Acq: 21 Mar 2018 7:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	13.9	10.2	15.2





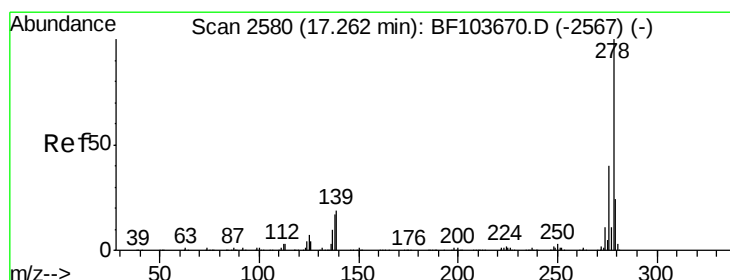
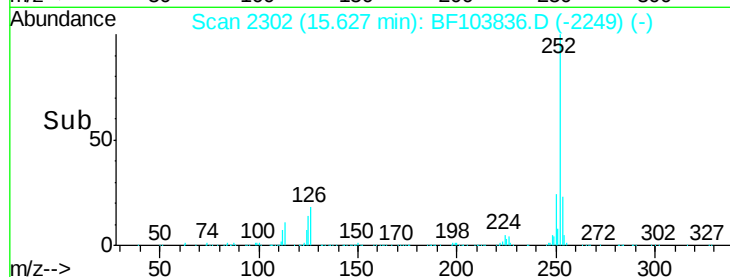
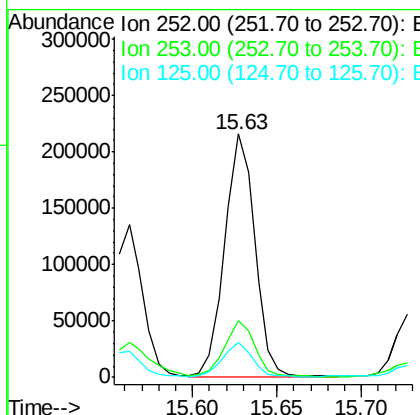
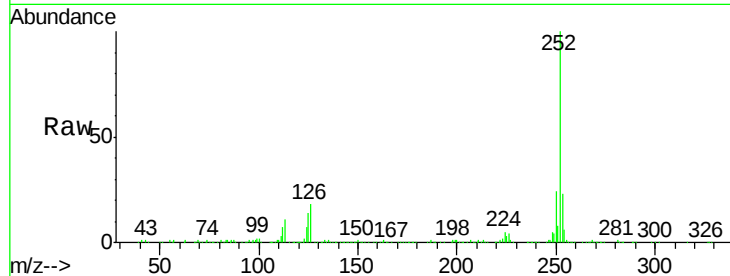
#89
Benzo(a)pyrene
Concen: 17.095 ng
RT: 15.63 min Scan# 2302
Delta R.T. 0.01 min
Lab File: BF103836.D
Acq: 21 Mar 2018 7:21

Instrument :
BNA_F
ClientSampleId :
SB-114(4-5)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	14.3	9.8	14.6

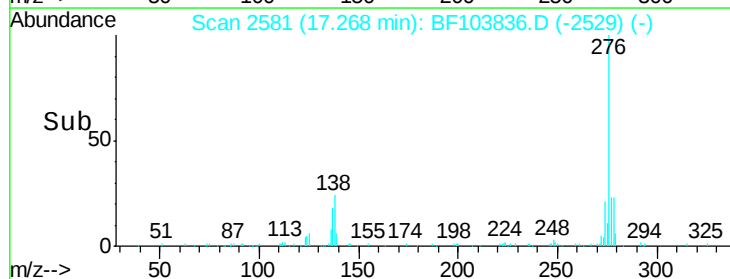
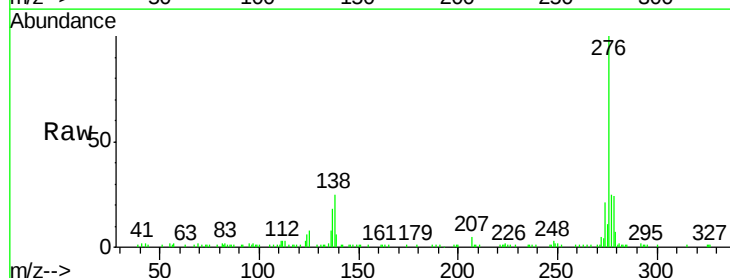
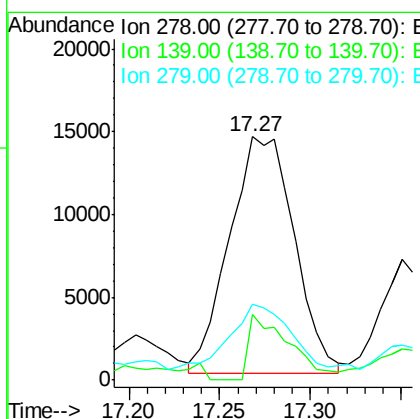
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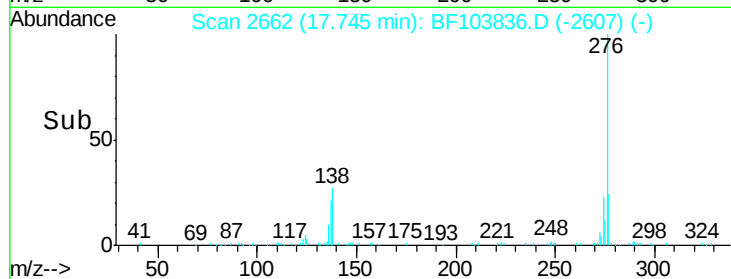
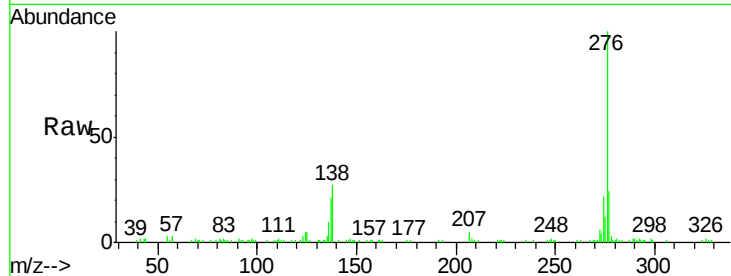
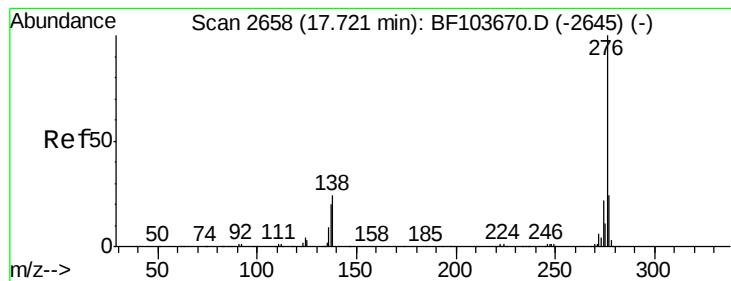
Sohil
3/22/2018 12:58:08 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.624 ng m
RT: 17.27 min Scan# 2581
Delta R.T. 0.01 min
Lab File: BF103836.D
Acq: 21 Mar 2018 7:21

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.8	15.9	23.9#
279	31.0	19.0	28.4#





#91

Benzo(a,h,i)perylene

Concen: 8.814 ng

RT: 17.74 min Scan# 2662

Delta R.T. 0.02 min

Lab File: BF103836.D

Acq: 21 Mar 2018 7:21

Instrument :

BNA_F

ClientSampleId :

SB-114(4-5)DL

Tot Ion: 276 Resp: 115949

Ion Ratio Lower Upper

276 100

277 24.1 17.9 26.9

138 27.2 21.8 32.8

Manual Integrations

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