

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
 Data File : BE088130.D
 Acq On : 21 Oct 2014 7:59
 Operator : TP/JJ
 Sample : F4244-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-EB01-100914-GW

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Quant Time: Oct 21 08:42:39 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 21 02:11:14 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	39263	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	144331	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	64369	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	116174	5.00	ng	0.00
16) Chrysene-d12	18.38	240	84585	5.00	ng	0.00
22) Perylene-d12	21.44	264	83275	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) Nitrobenzene-d5	7.83	82	68627	6.60	ng	0.00
8) 2-Fluorobiphenyl	10.04	172	118054	6.64	ng	0.00
18) Terphenyl-d14	16.15	244	111378	8.18	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) 2-Methylnaphthalene	9.58	142	1168	0.07	ng	# 94
14) Anthracene	13.09	178	2392	0.03	ng	# 71
15) Fluoranthene	15.25	202	1553	0.07	ng	100
17) Pyrene	15.70	202	1688	0.07	ng	98
19) Benzo(a)anthracene	18.36	228	5633	0.07	ng	# 91
20) Chrysene	18.43	228	6157	0.08	ng	# 91
21) Indeno(1,2,3-cd)pyrene	23.63	276	3949m	0.05	ng	
23) Benzo(b)fluoranthene	20.68	252	1022	0.05	ng	# 79
24) Benzo(k)fluoranthene	20.74	252	1102	0.05	ng	# 82
25) Benzo(a)pyrene	21.32	252	715	0.04	ng	# 72
26) Dibenzo(a,h)anthracene	23.73	278	773	0.04	ng	# 69
27) Benzo(g,h,i)perylene	24.26	276	3464	0.04	ng	# 77

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

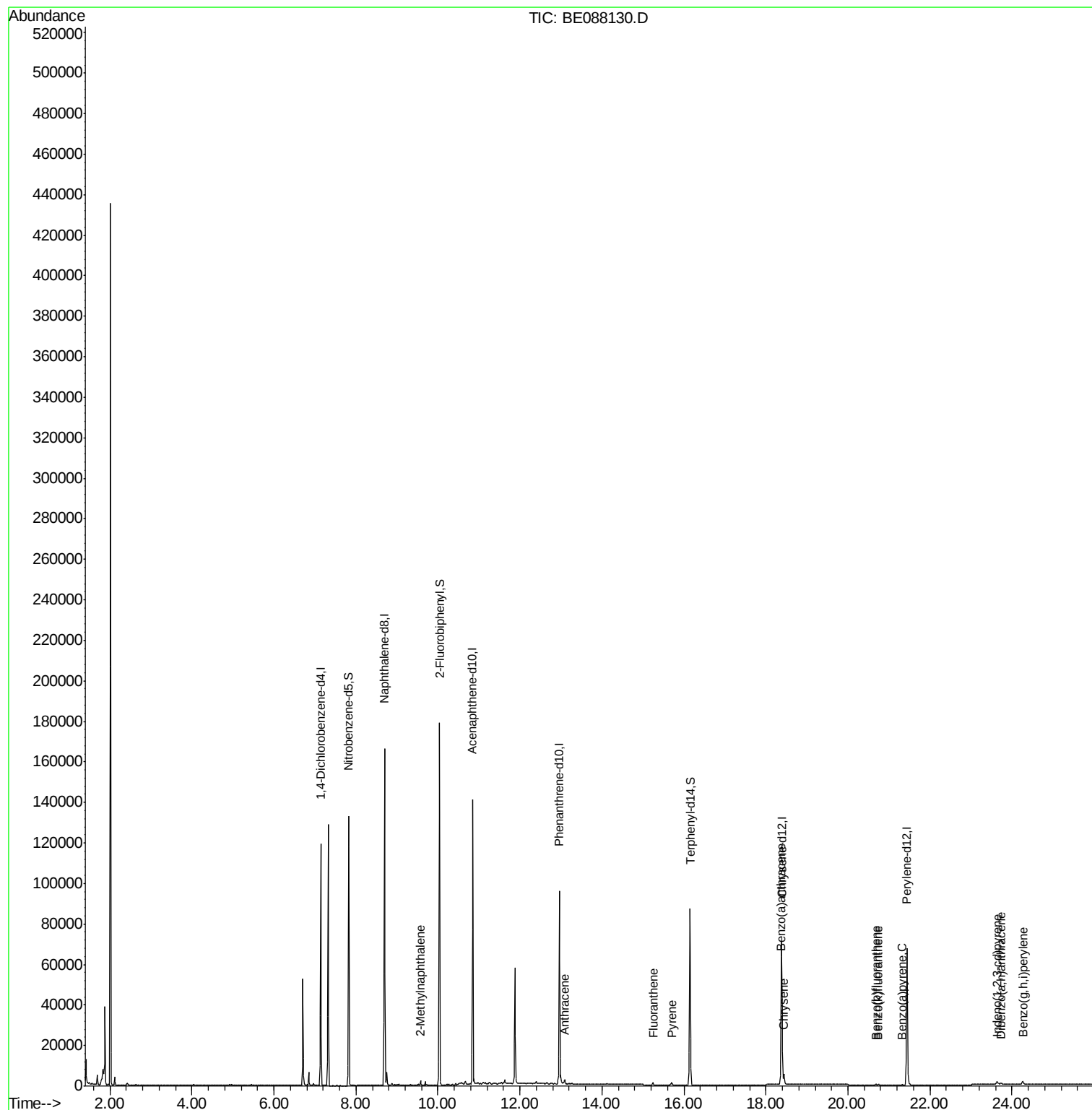
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
Data File : BE088130.D
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Sample : F4244-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

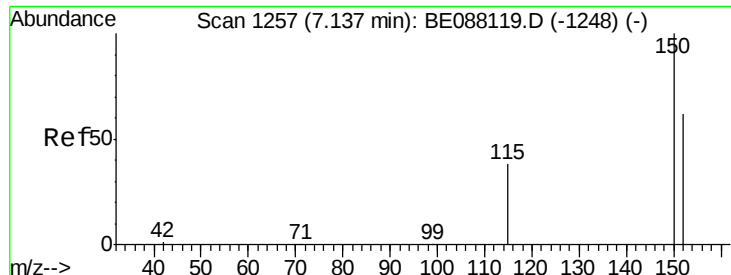
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088130.D

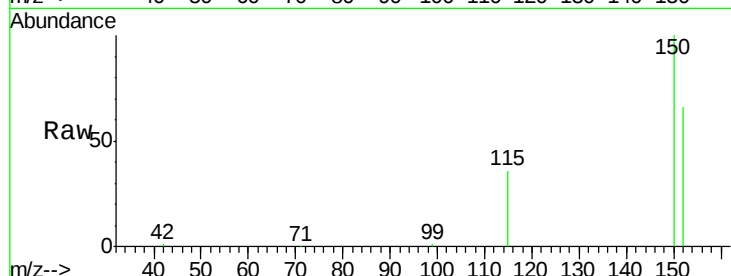
Acq: 21 Oct 2014 7:59

Instrument :

BNA_E

ClientSampleId :

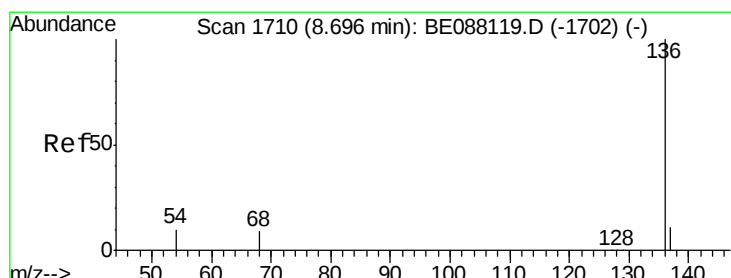
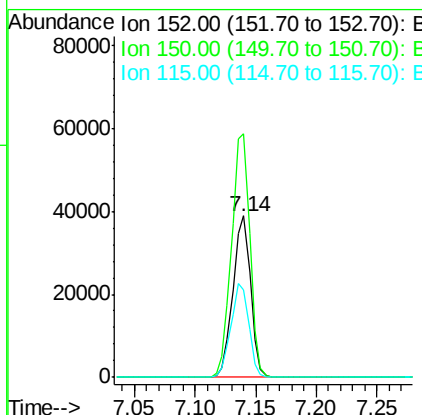
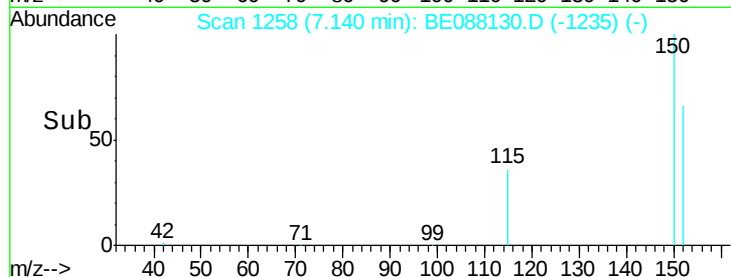
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Tgt Ion:	152	Resp:	39263
Ion Ratio	Lower	Upper	
152	100		
150	151.2	129.2	193.8
115	54.6	49.3	73.9

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#3

Naphthalene-d8

Concen: 5.00 ng

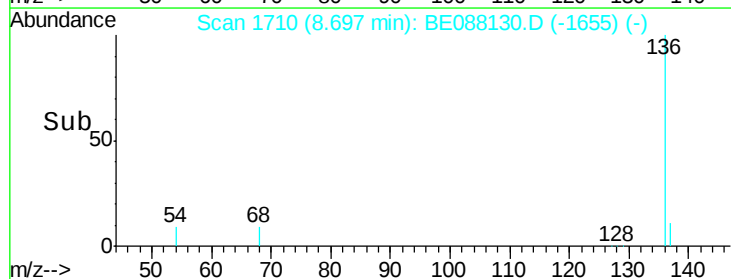
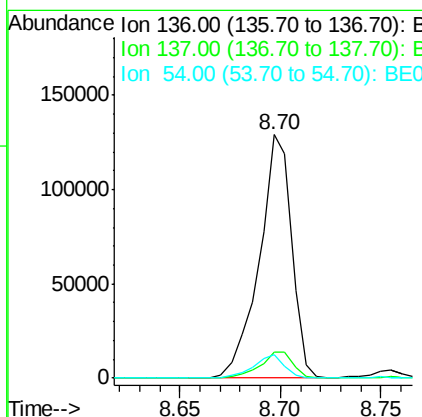
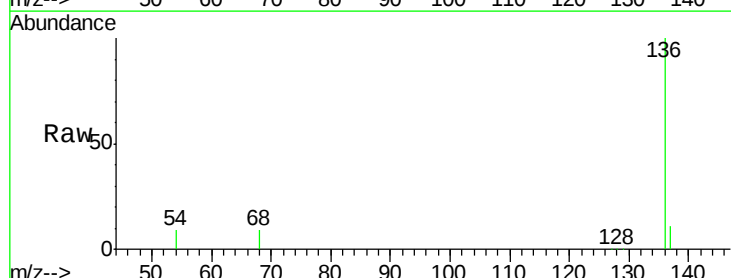
RT: 8.70 min Scan# 1710

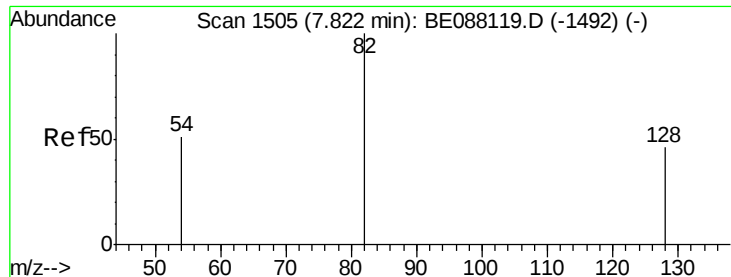
Delta R.T. 0.00 min

Lab File: BE088130.D

Acq: 21 Oct 2014 7:59

Tgt Ion:	136	Resp:	144331
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.6	12.8
54	9.4	7.7	11.5





#4

Nitrobenzene-d5

Concen: 6.60 ng

RT: 7.83 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BE088130.D

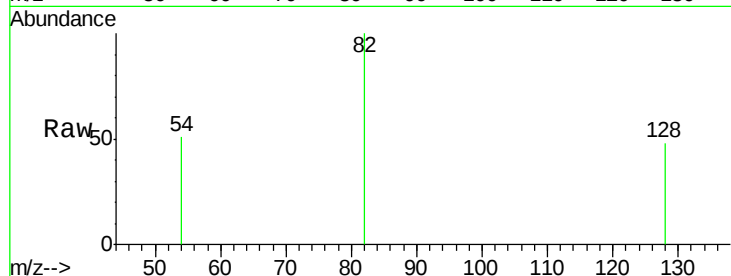
Acq: 21 Oct 2014 7:59

Instrument :

BNA_E

ClientSampleId :

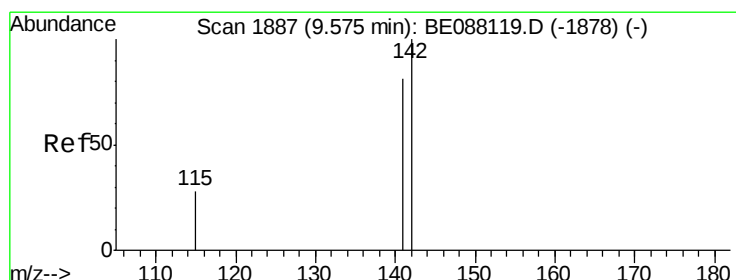
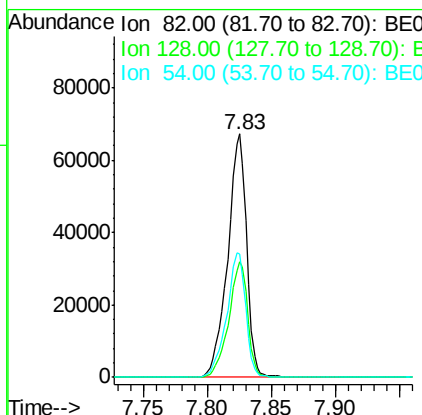
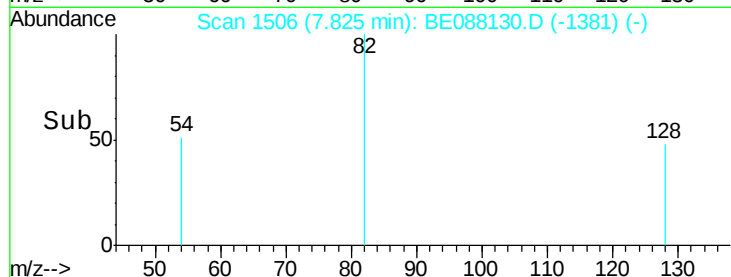
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Tgt Ion:	82	Resp:	68627
Ion Ratio	Lower	Upper	
82	100		
128	47.6	37.1	55.7
54	50.6	41.1	61.7

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#6

2-Methylnaphthalene

Concen: 0.07 ng

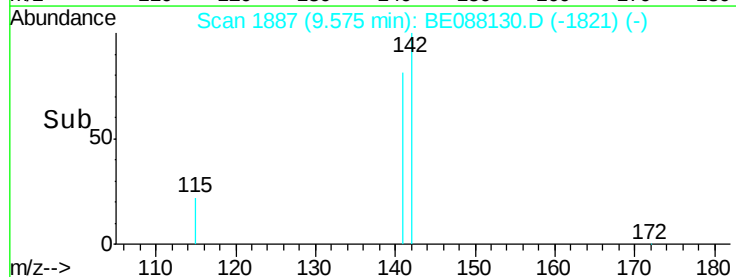
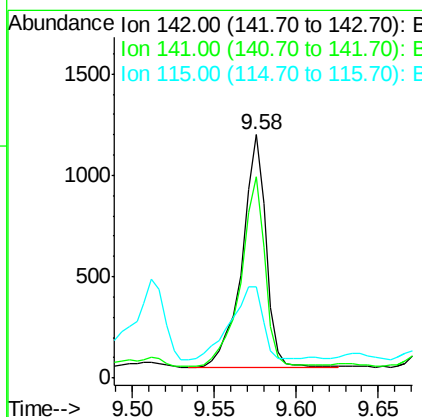
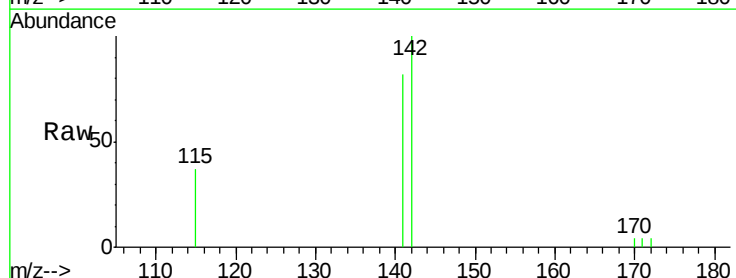
RT: 9.58 min Scan# 1887

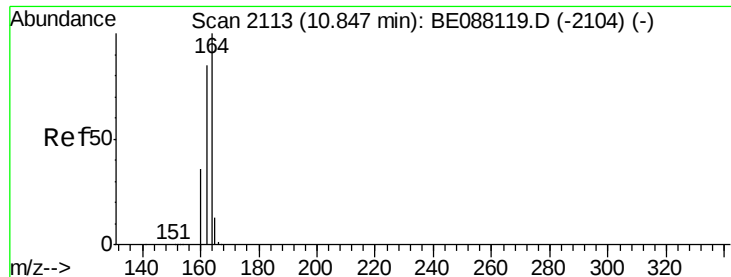
Delta R.T. 0.00 min

Lab File: BE088130.D

Acq: 21 Oct 2014 7:59

Tgt Ion:	142	Resp:	1168
Ion Ratio	Lower	Upper	
142	100		
141	82.4	64.6	97.0
115	37.4	22.6	34.0





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.85 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BE088130.D

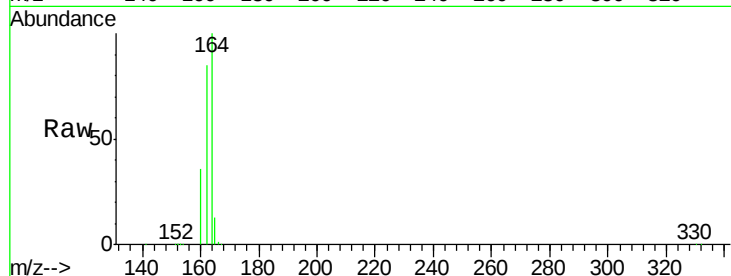
Acq: 21 Oct 2014 7:59

Instrument :

BNA_E

ClientSampleId :

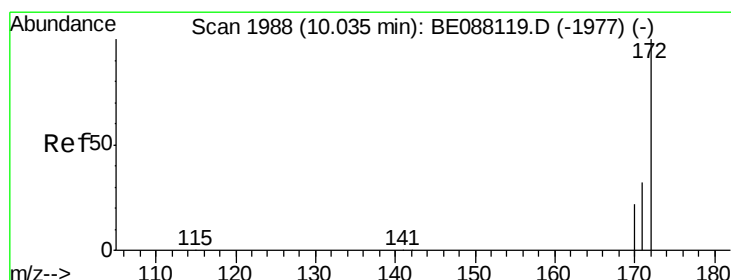
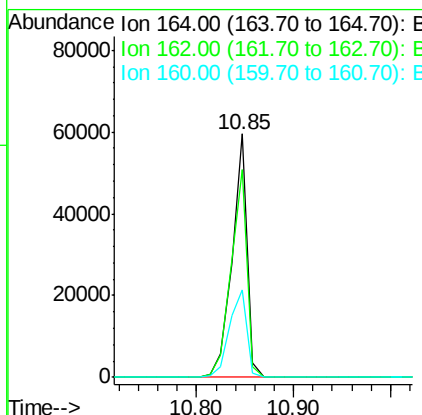
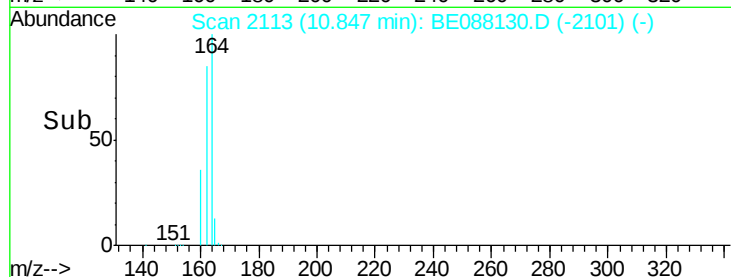
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Tgt Ion:	164	Resp:	64369
Ion Ratio	Lower	Upper	
164	100		
162	85.2	68.3	102.5
160	36.0	28.7	43.1

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#8

2-Fluorobiphenyl

Concen: 6.64 ng

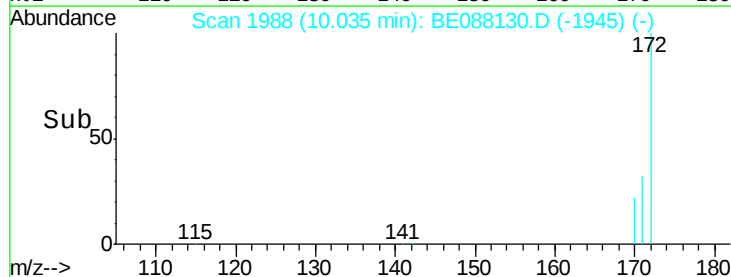
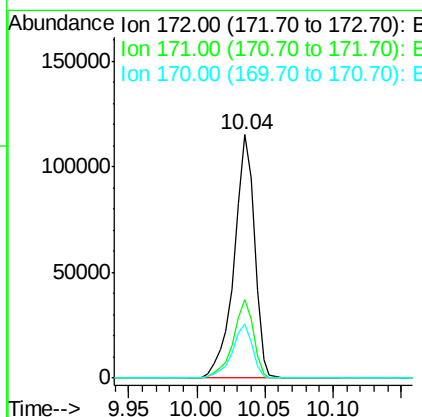
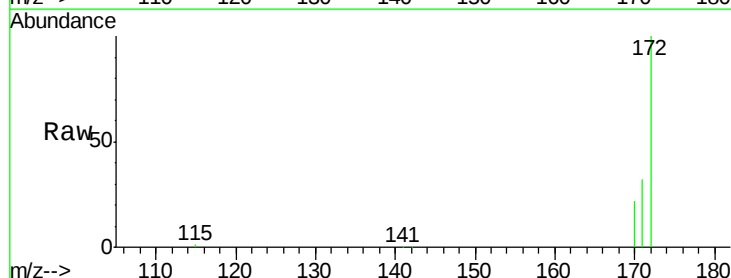
RT: 10.04 min Scan# 1988

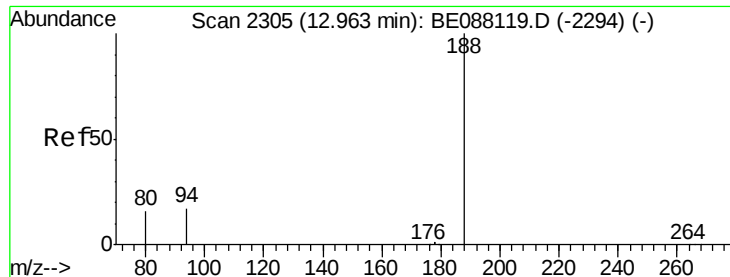
Delta R.T. 0.00 min

Lab File: BE088130.D

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Tgt Ion:	172	Resp:	118054
Ion Ratio	Lower	Upper	
172	100		
171	32.4	25.4	38.2
170	22.2	17.4	26.2





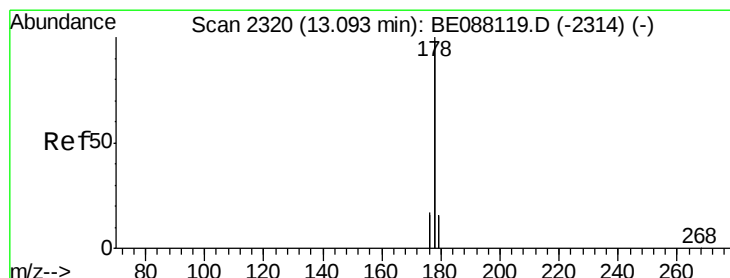
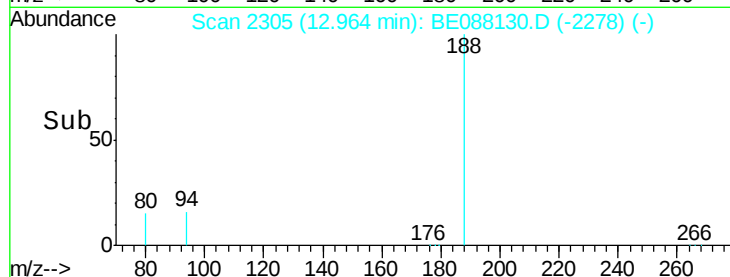
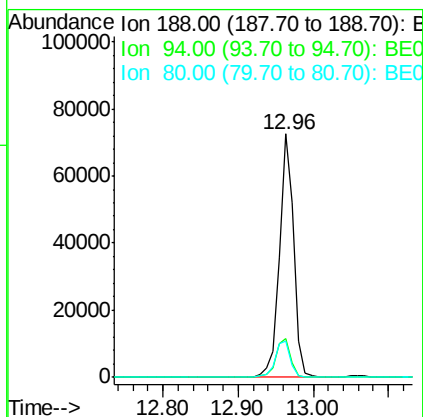
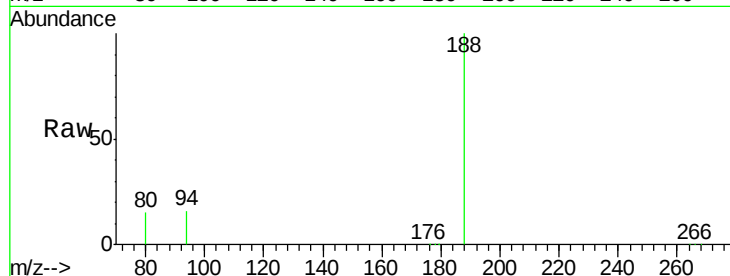
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.96 min Scan# 2305
Delta R.T. 0.00 min
Lab File: BE088130.D
Acq: 21 Oct 2014 7:59

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	15.9	13.9	20.9
80	14.8	12.9	19.3

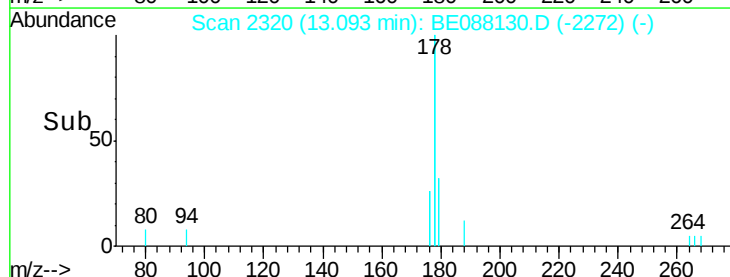
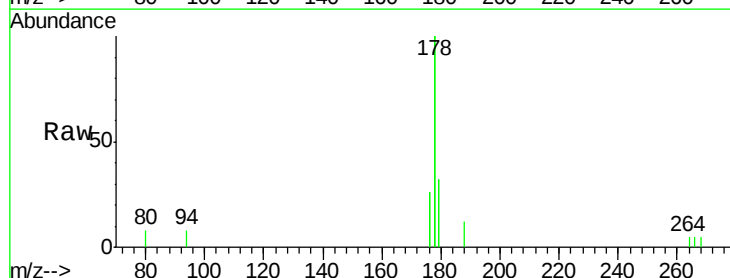
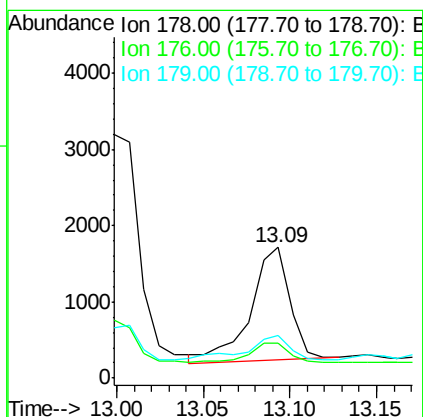
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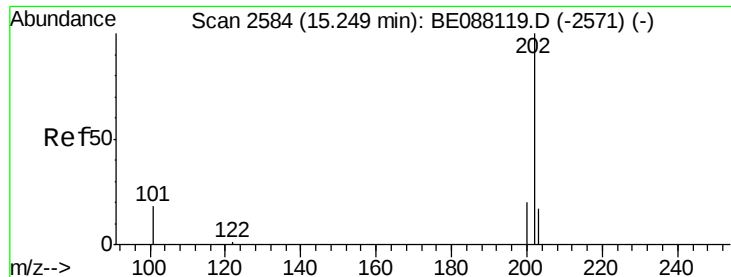
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#14
Anthracene
Concen: 0.03 ng
RT: 13.09 min Scan# 2320
Delta R.T. 0.00 min
Lab File: BE088130.D
Acq: 21 Oct 2014 7:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	23.8	14.6	21.8#
179	35.7	12.5	18.7#





#15

Fluoranthene

Concen: 0.07 ng

RT: 15.25 min Scan# 2584

Delta R.T. -0.00 min

Lab File: BE088130.D

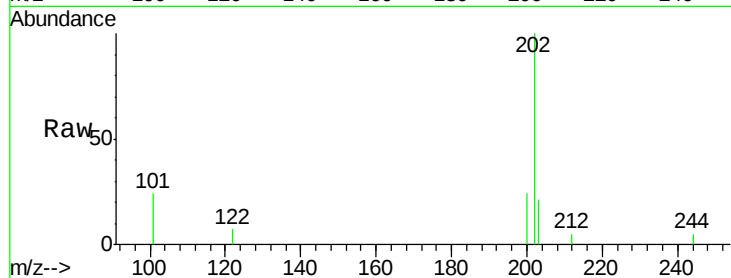
Acq: 21 Oct 2014 7:59

Instrument :

BNA_E

ClientSampleId :

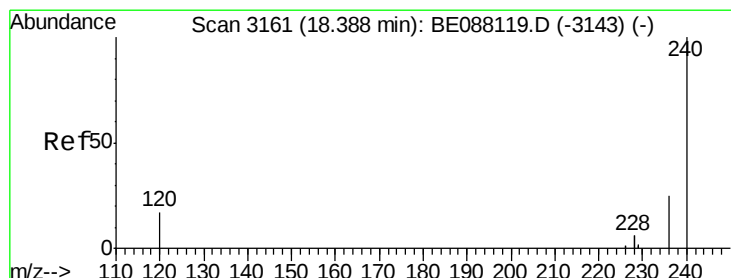
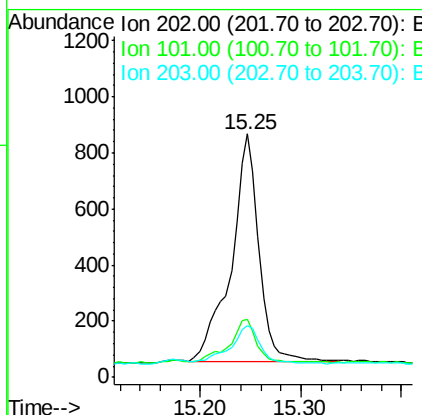
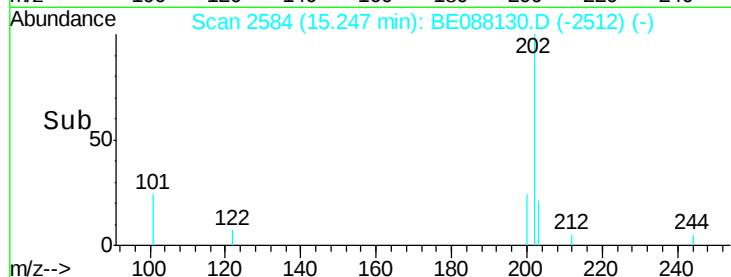
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Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1553		
101	18.6		14.8	22.2
203	16.9		13.5	20.3

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#16

Chrysene-d12

Concen: 5.00 ng

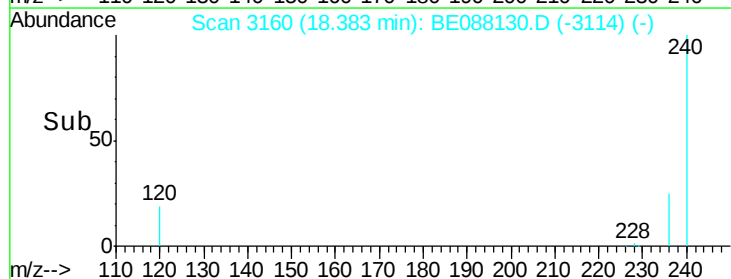
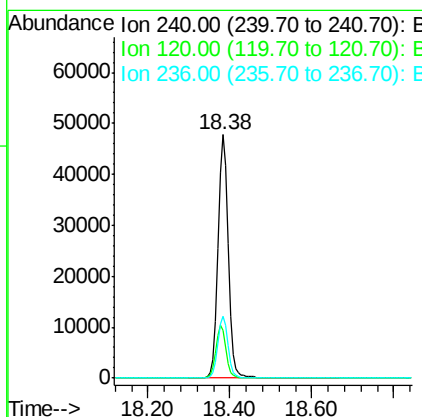
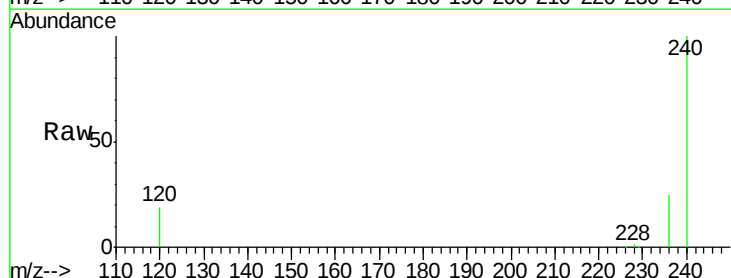
RT: 18.38 min Scan# 3160

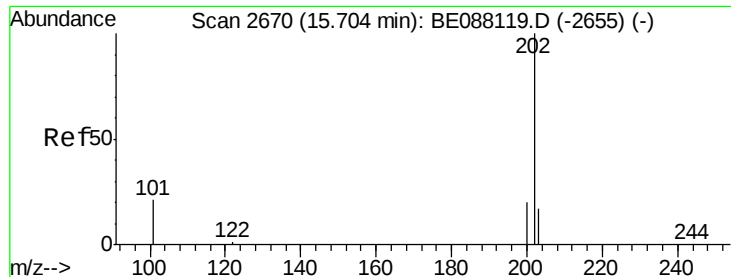
Delta R.T. -0.01 min

Lab File: BE088130.D

Acq: 21 Oct 2014 7:59

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	84585		
120	19.4		13.9	20.9
236	25.2		19.9	29.9





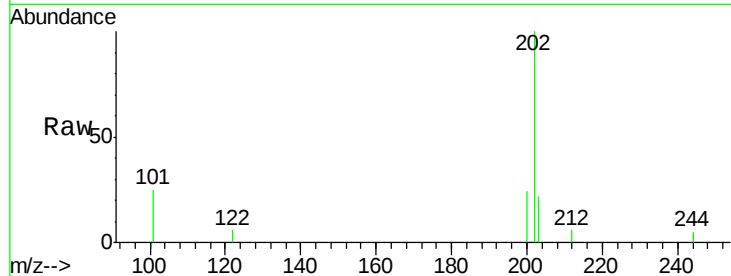
#17
 Pyrene
 Concen: 0.07 ng
 RT: 15.70 min Scan# 2670
 Delta R.T. -0.00 min
 Lab File: BE088130.D
 Acq: 21 Oct 2014 7:59

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 YS19-EB01-100914-GW

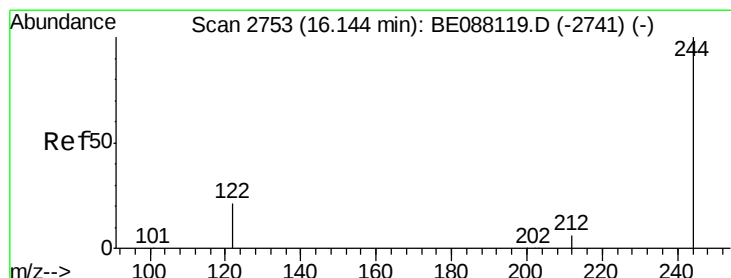
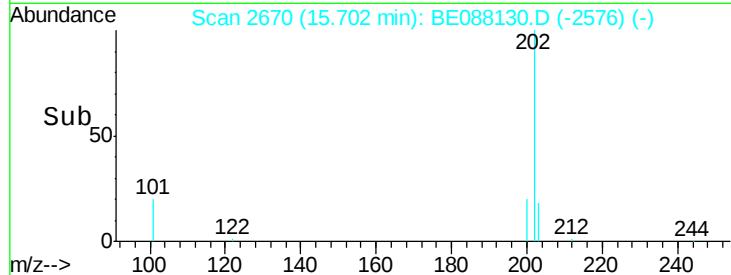
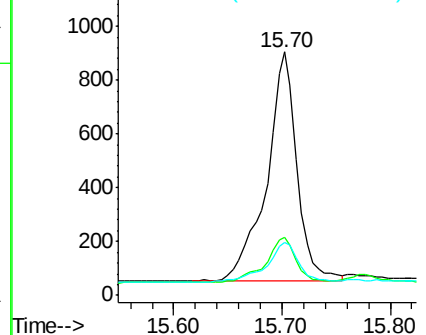
Tgt Ion:	202	Resp:	1688
Ion Ratio	Lower	Upper	
202	100		
200	19.6	16.1	24.1
203	18.8	13.9	20.9

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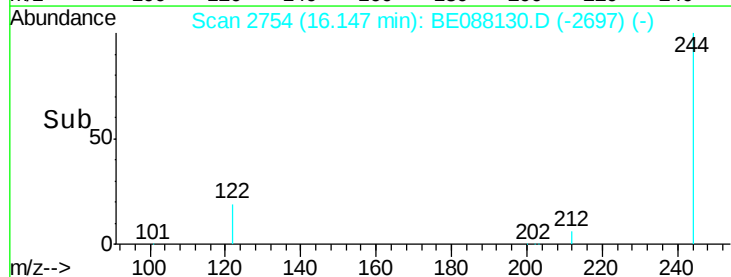
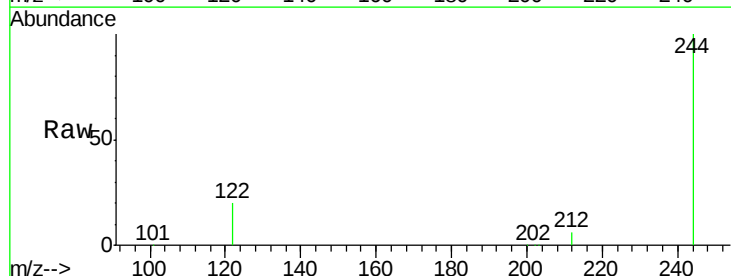
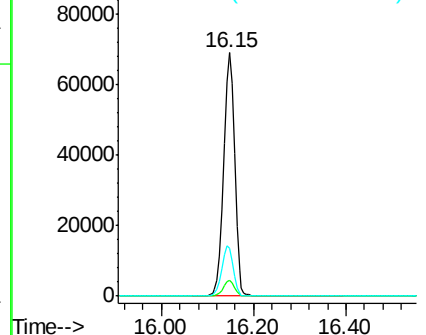
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

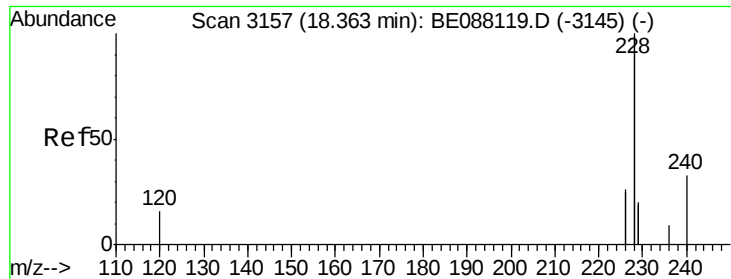


#18
 Terphenyl-d14
 Concen: 8.18 ng
 RT: 16.15 min Scan# 2754
 Delta R.T. 0.00 min
 Lab File: BE088130.D
 Acq: 21 Oct 2014 7:59

Tgt Ion:	244	Resp:	111378
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.4	8.0
122	19.5	17.5	26.3

Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E





#19

Benzo(a)anthracene

Concen: 0.07 ng

RT: 18.36 min Scan# 3157

Delta R.T. 0.00 min

Lab File: BE088130.D

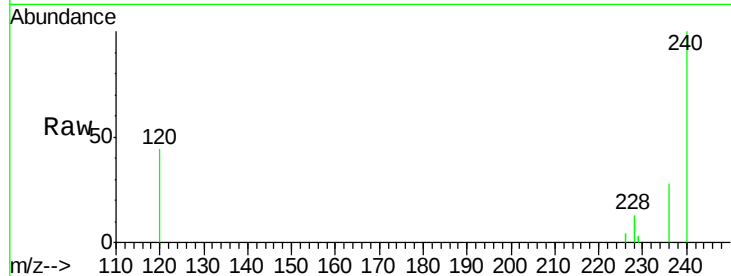
Acq: 21 Oct 2014 7:59

Instrument :

BNA_E

ClientSampleId :

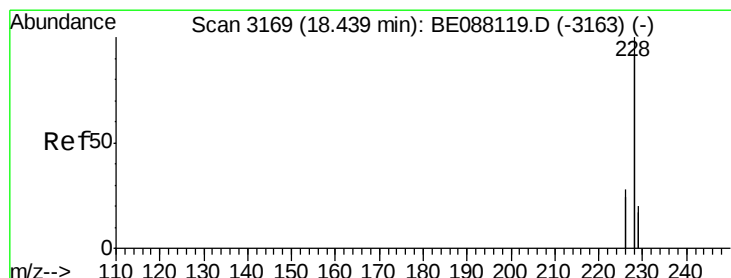
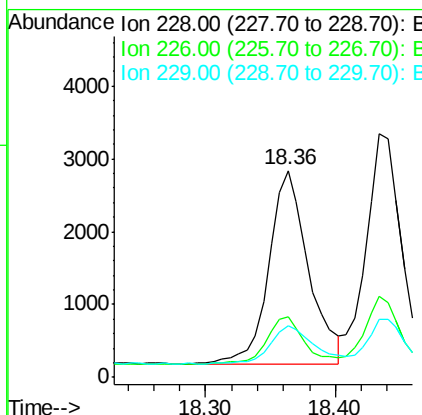
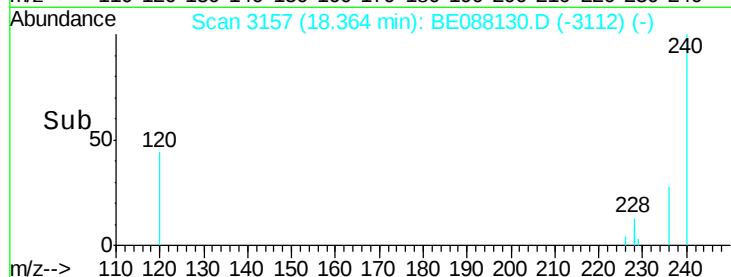
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Tgt Ion:	228	Resp:	5633
Ion Ratio	Lower	Upper	
228	100		
226	29.3	20.8	31.2
229	25.2	15.6	23.4#

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#20

Chrysene

Concen: 0.08 ng

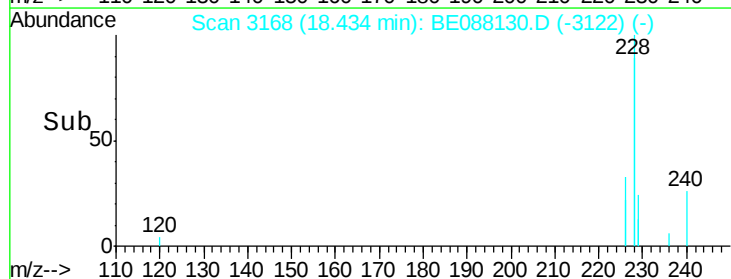
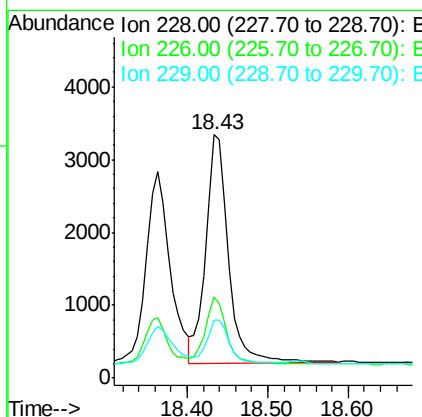
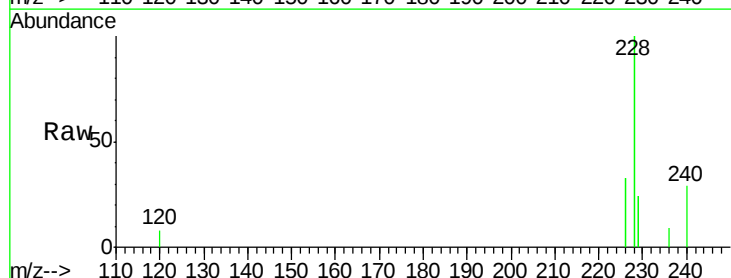
RT: 18.43 min Scan# 3168

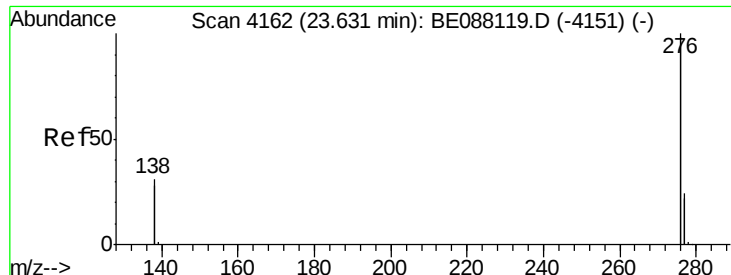
Delta R.T. -0.01 min

Lab File: BE088130.D

Acq: 21 Oct 2014 7:59

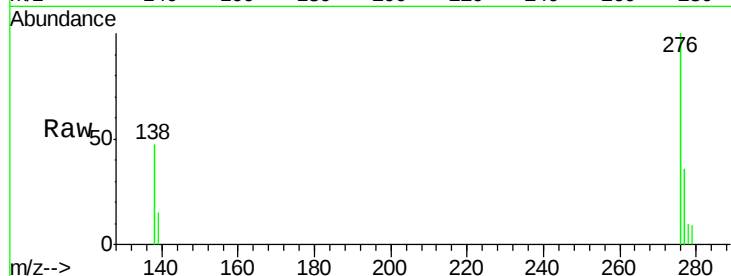
Tgt Ion:	228	Resp:	6157
Ion Ratio	Lower	Upper	
228	100		
226	33.3	22.7	34.1
229	24.0	15.8	23.6#





#21
 Indeno(1,2,3-cd)pyrene
 Concen: 0.05 ng m
 RT: 23.63 min Scan# 4162
 Delta R.T. 0.00 min
 Lab File: BE088130.D
 Acq: 21 Oct 2014 7:59

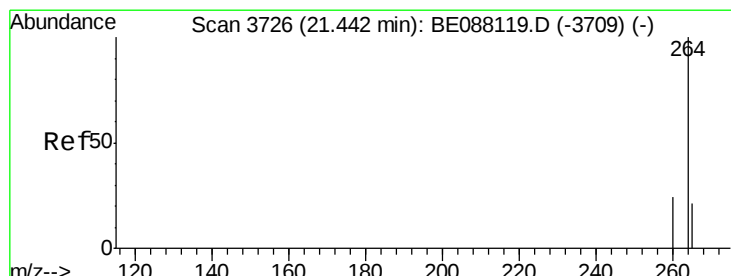
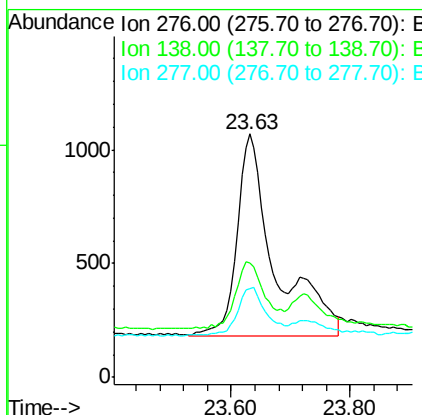
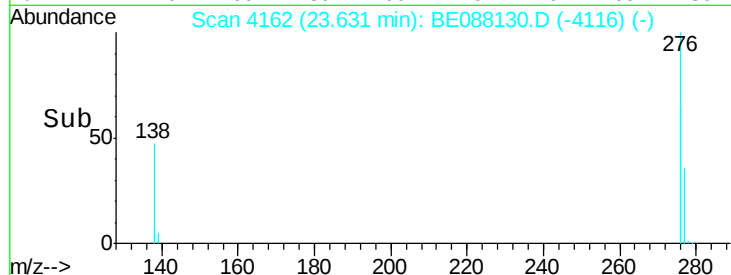
Instrument :
 BNA_E
 ClientSampleId :
 YS19-EB01-100914-GW



Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.9	18.5	27.7
277	17.4	14.6	21.8

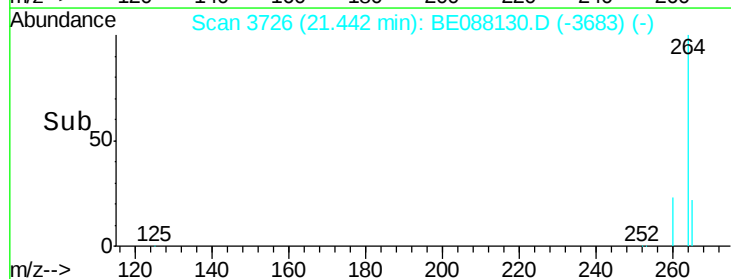
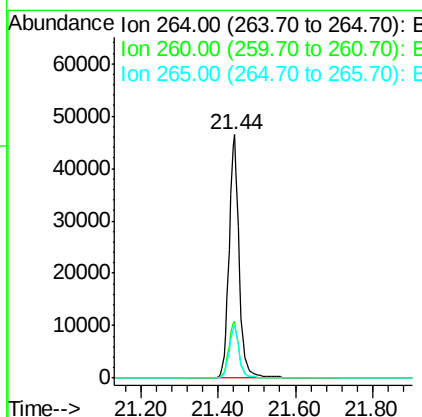
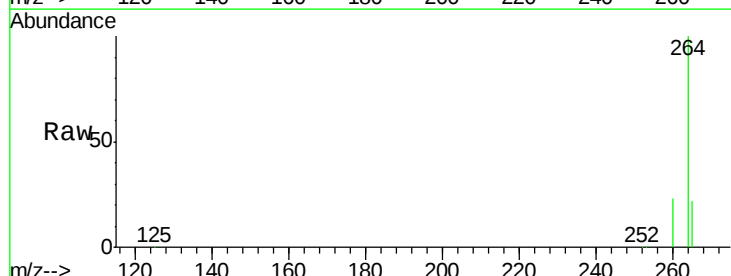
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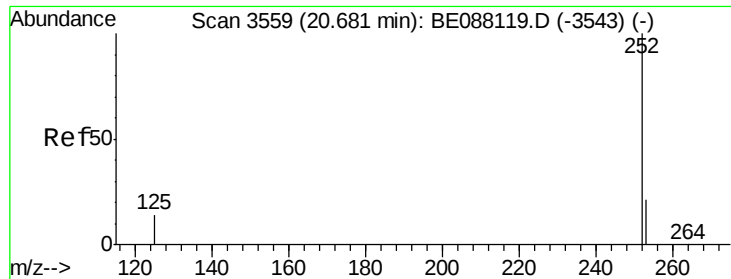
mohammad
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#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.44 min Scan# 3726
 Delta R.T. 0.00 min
 Lab File: BE088130.D
 Acq: 21 Oct 2014 7:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.4
265	21.7	17.2	25.8





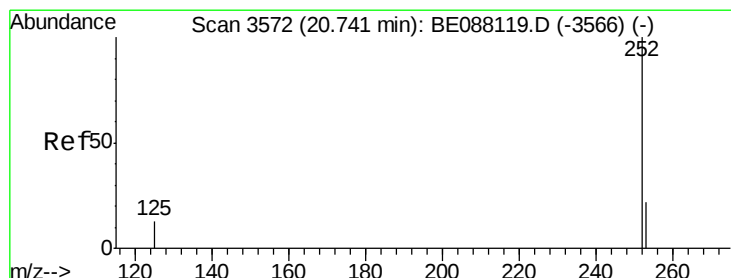
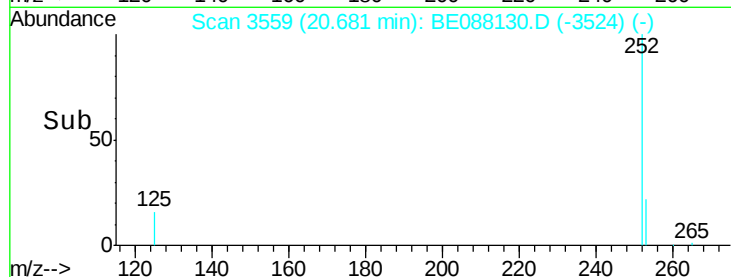
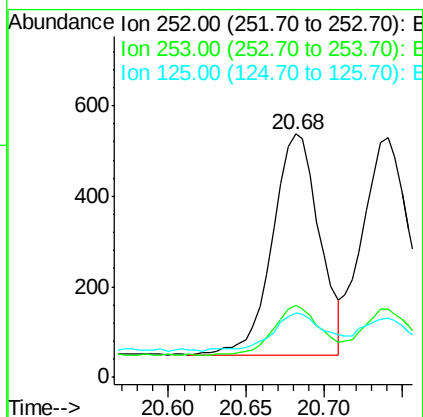
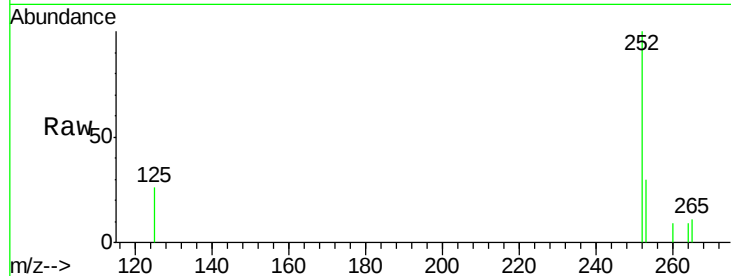
#23
Benzo(b)fluoranthene
Concen: 0.05 ng
RT: 20.68 min Scan# 3559
Delta R.T. 0.00 min
Lab File: BE088130.D
Acq: 21 Oct 2014 7:59

Instrument :
BNA_E
ClientSampleId :
YS19-EB01-100914-GW

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.7	17.4	26.0#
125	26.2	11.8	17.8#

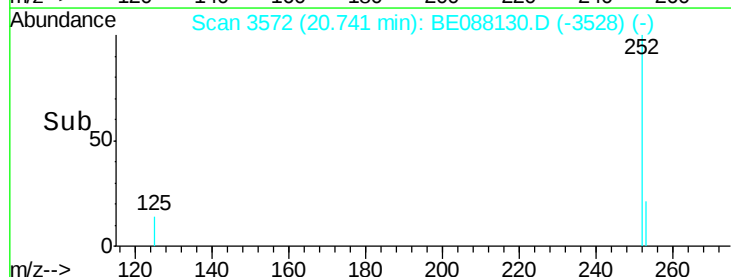
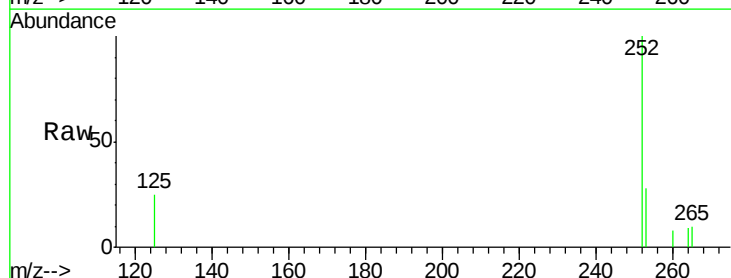
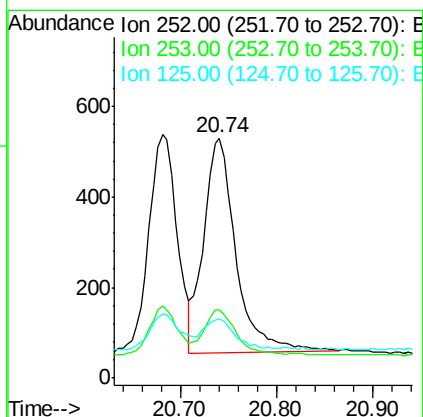
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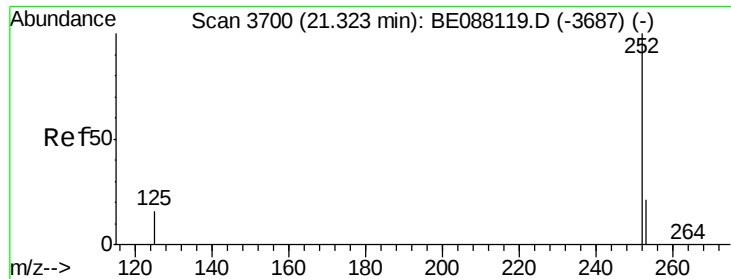
mohammad
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#24
Benzo(k)fluoranthene
Concen: 0.05 ng
RT: 20.74 min Scan# 3572
Delta R.T. 0.00 min
Lab File: BE088130.D
Acq: 21 Oct 2014 7:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.4	17.6	26.4#
125	24.7	11.5	17.3#





#25

Benzo(a)pyrene

Concen: 0.04 ng

RT: 21.32 min Scan# 3700

Delta R.T. 0.00 min

Lab File: BE088130.D

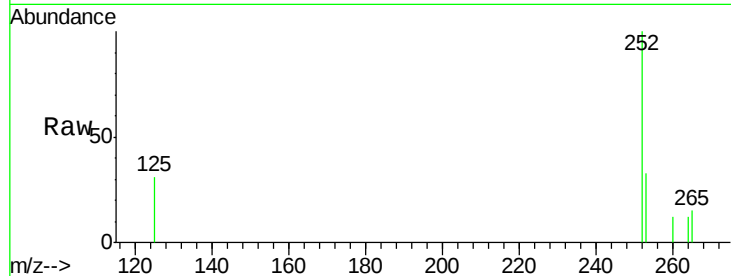
Acq: 21 Oct 2014 7:59

Instrument :

BNA_E

ClientSampleId :

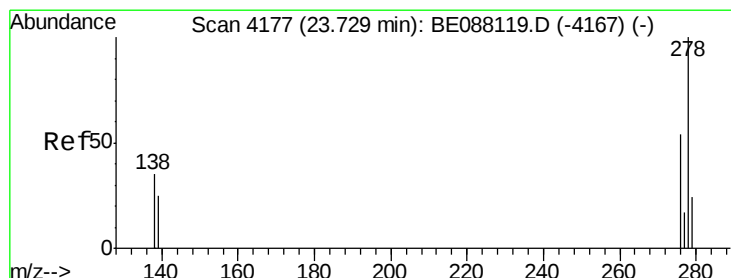
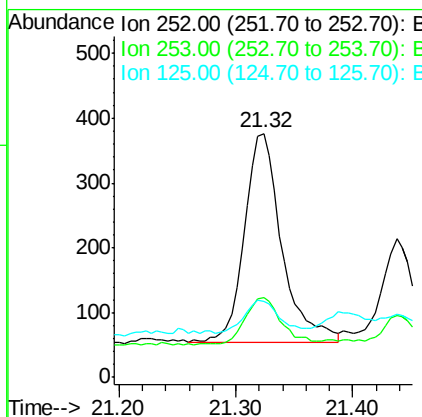
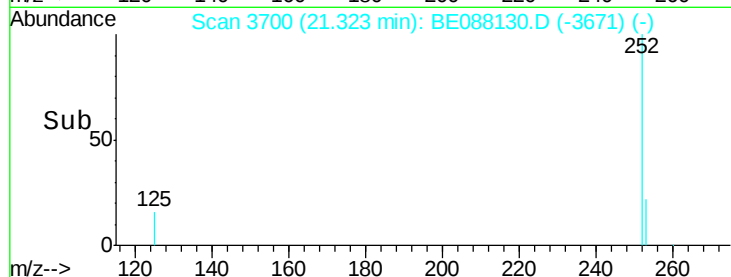
YS19-EB01-100914-GW



Tgt Ion:	252	Resp:	715
Ion Ratio	Lower	Upper	
252	100		
253	32.7	17.5	26.3#
125	31.4	13.0	19.6#

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#26

Dibenzo(a,h)anthracene

Concen: 0.04 ng

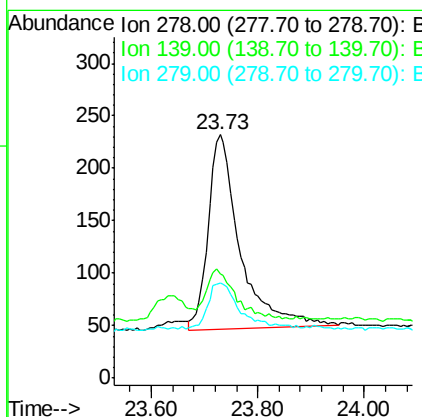
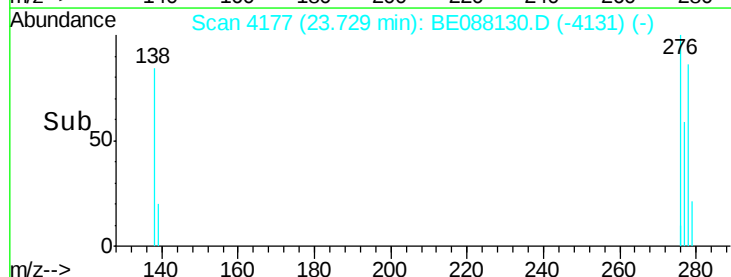
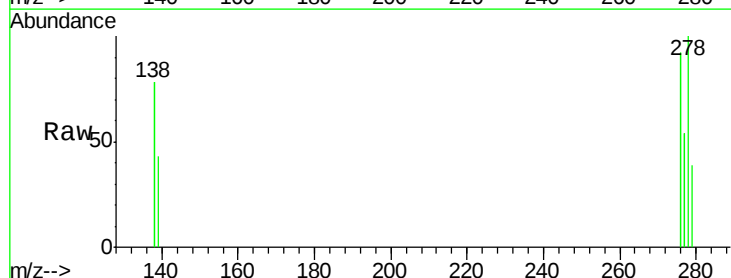
RT: 23.73 min Scan# 4177

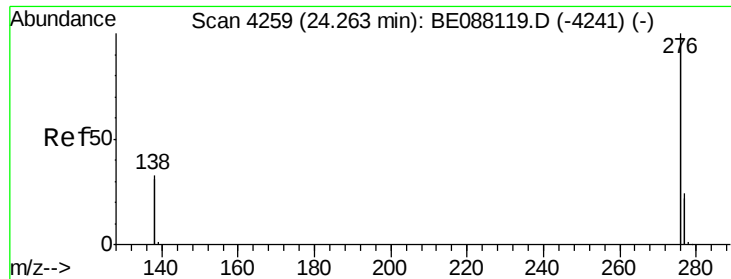
Delta R.T. 0.00 min

Lab File: BE088130.D

Acq: 21 Oct 2014 7:59

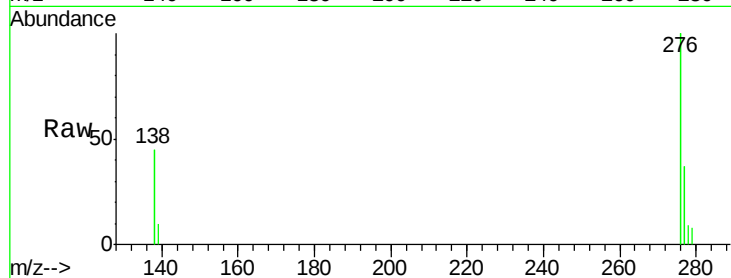
Tgt Ion:	278	Resp:	773
Ion Ratio	Lower	Upper	
278	100		
139	42.7	20.9	31.3#
279	39.2	19.8	29.8#





#27
 Benzo(g,h,i)perylene
 Concen: 0.04 ng
 RT: 24.26 min Scan# 4259
 Delta R.T. 0.00 min
 Lab File: BE088130.D
 Acq: 21 Oct 2014 7:59

Instrument :
 BNA_E
 ClientSampleId :
 YS19-EB01-100914-GW



Tgt Ion	Ratio	Lower	Upper
276	100		
277	36.8	19.2	28.8#
138	45.3	26.6	40.0#

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