

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011416\
 Data File : BE091370.D
 Acq On : 15 Jan 2016 3:17
 Operator : UM/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001EC

Manual Integrations
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mohammad
 1/15/2016 3:39:41 PM

Quant Time: Jan 15 15:22:36 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE011416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 23:29:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	32504	5.00	ng	0.00
4) Naphthalene-d8	9.54	136	156035	5.00	ng	0.00
8) Acenaphthene-d10	13.35	164	79571	5.00	ng	0.00
14) Phenanthrene-d10	16.08	188	206316	5.00	ng	0.00
18) Chrysene-d12	20.22	240	233645	5.00	ng	0.00
24) Perylene-d12	22.10	264	209151	5.00	ng	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	4.92	112	5817	1.58	ng	-0.02
3) Phenol-d6	6.56	99	7725	1.29	ng	-0.01
5) Nitrobenzene-d5	8.15	82	9565	1.06	ng	-0.01
9) 2,4,6-Tribromophenol	14.89	330	1591	1.03	ng	0.00
10) 2-Fluorobiphenyl	12.00	172	18596	1.08	ng	-0.01
20) Terphenyl-d14	18.61	244	27775	1.10	ng	0.00
Target Compounds						Qvalue
6) Naphthalene	9.58	128	33954	1.02	ng	99
7) 2-Methylnaphthalene	11.12	142	14689	1.04	ng	95
11) Acenaphthylene	13.10	152	113487	0.99	ng	100
12) Acenaphthene	13.42	154	21692	0.96	ng	# 81
13) Fluorene	14.40	166	27327	0.98	ng	97
15) Phenanthrene	16.11	178	51691	1.01	ng	100
16) Anthracene	16.20	178	41393	1.04	ng	99
17) Fluoranthene	18.09	202	53478	1.22	ng	99
19) Pyrene	18.47	202	44300	1.10	ng	99
21) Benzo(a)anthracene	20.19	228	45080	1.21	ng	98
22) Chrysene	20.25	228	59529	1.05	ng	98
23) Indeno(1,2,3-cd)pyrene	23.70	276	51888m	1.20	ng	
25) Benzo(b)fluoranthene	21.55	252	49486	1.17	ng	98
26) Benzo(k)fluoranthene	21.58	252	49230	1.04	ng	99
27) Benzo(a)pyrene	22.00	252	44425	1.08	ng	99
28) Dibenzo(a,h)anthracene	23.65	278	40092	1.22	ng	99
29) Benzo(g,h,i)perylene	24.25	276	44319	1.15	ng	98

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

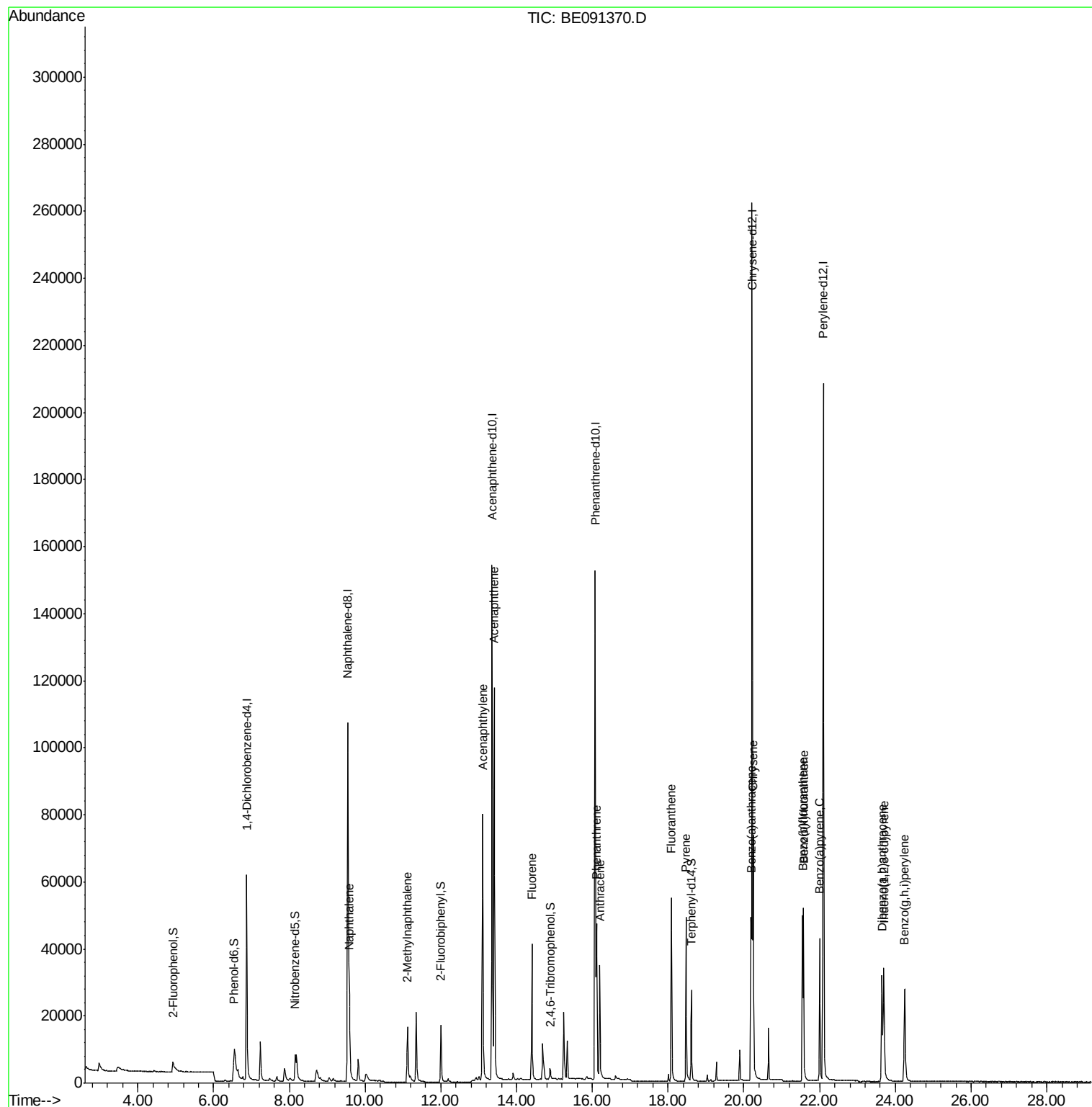
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011416\
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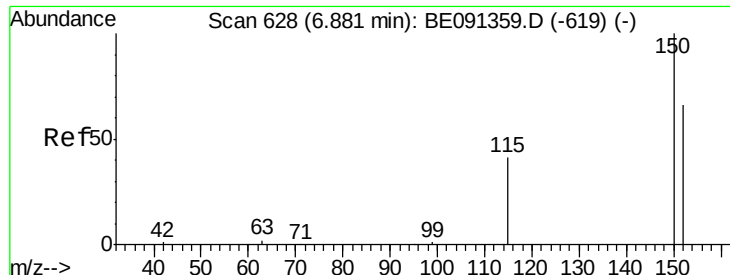
Instrument :
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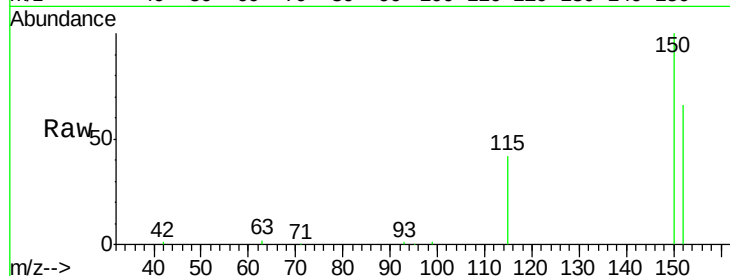
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 6.87 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BE091370.D
 Acq: 15 Jan 2016 3:17

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.5	121.6	182.4
115	64.0	50.6	75.8

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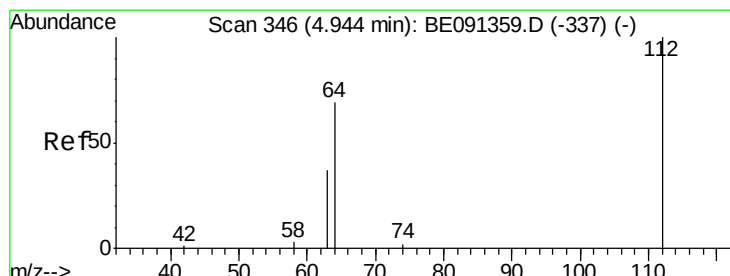
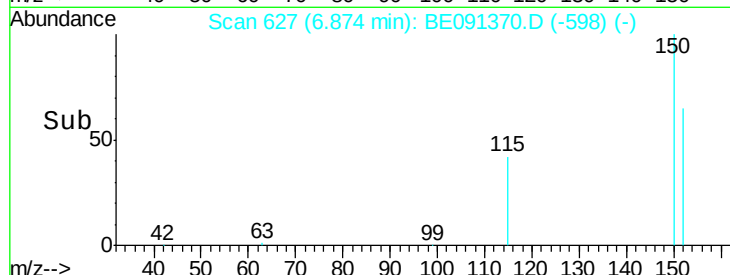
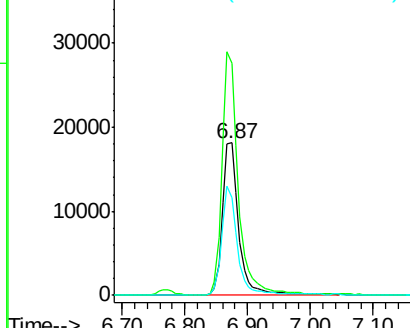


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2
 2-Fluorophenol
 Concen: 1.58 ng
 RT: 4.92 min Scan# 343
 Delta R.T. -0.02 min
 Lab File: BE091370.D
 Acq: 15 Jan 2016 3:17

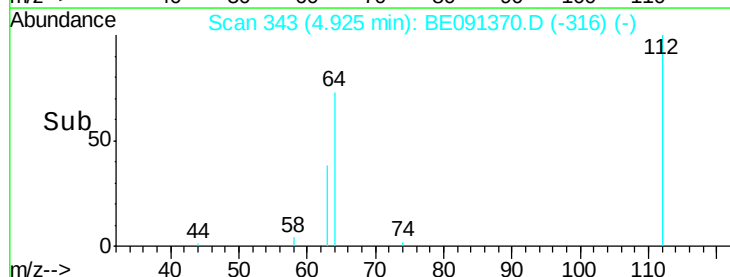
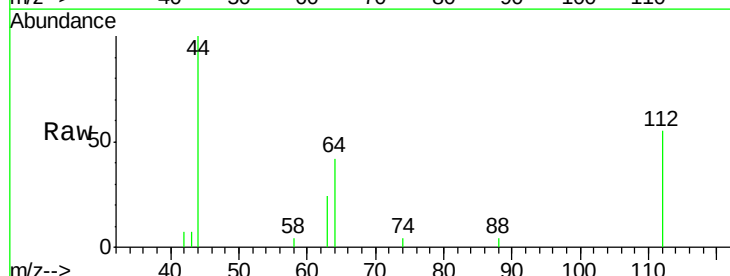
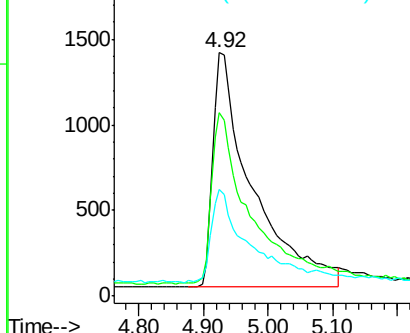
Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.1	57.4	86.0
63	37.2	32.2	48.2

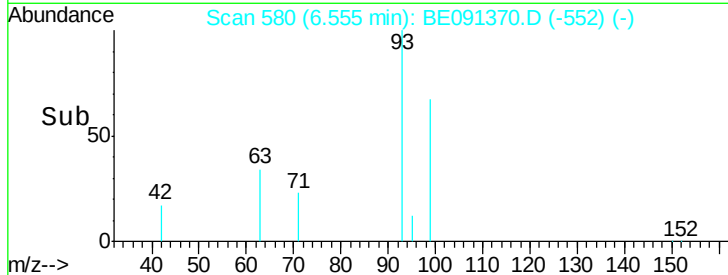
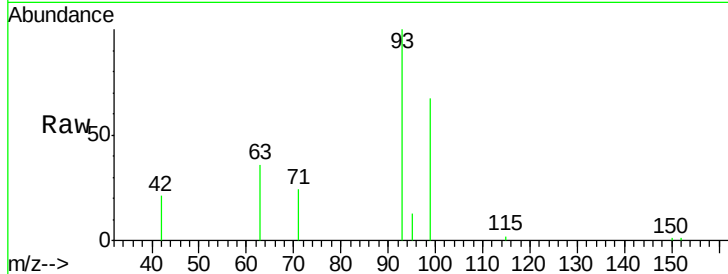
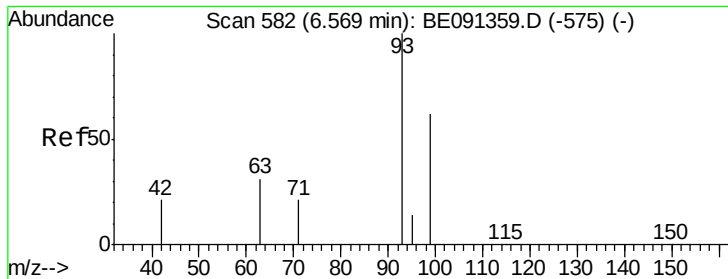
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#3

Phenol-d6

Concen: 1.29 ng

RT: 6.56 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE091370.D

Acq: 15 Jan 2016 3:17

Tgt Ion:	99	Resp:	7725
Ion Ratio	Lower	Upper	
99	100		
42	25.1	22.9	34.3
71	42.5	35.4	53.2

Instrument :

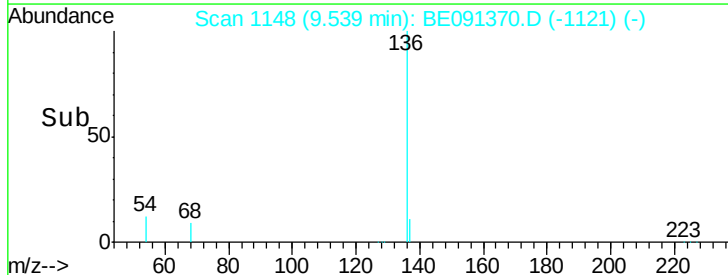
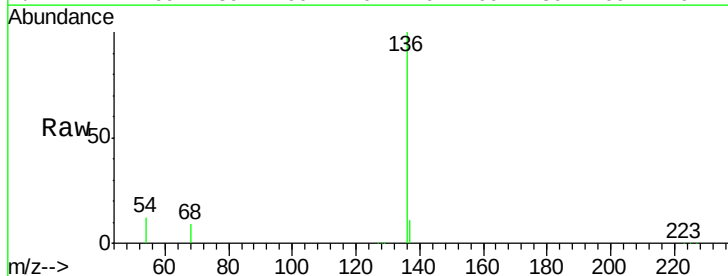
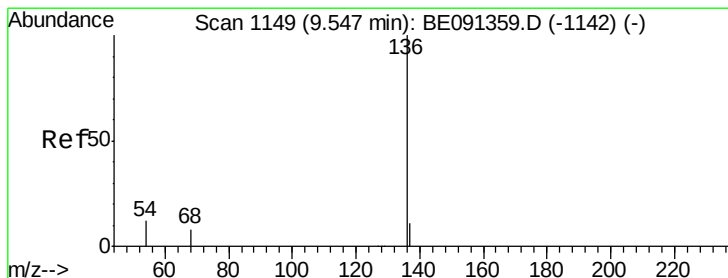
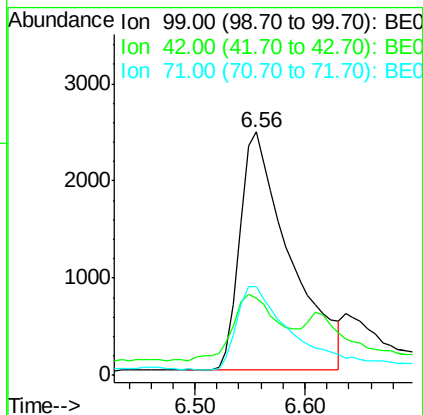
BNA_E

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#4

Naphthalene-d8

Concen: 5.00 ng

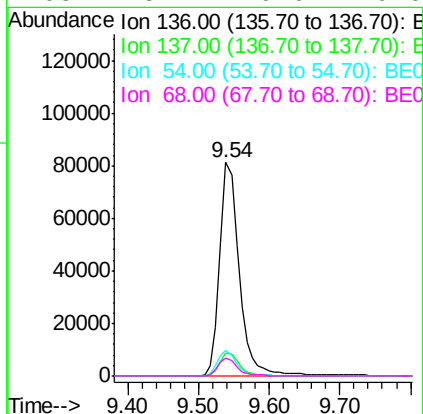
RT: 9.54 min Scan# 1148

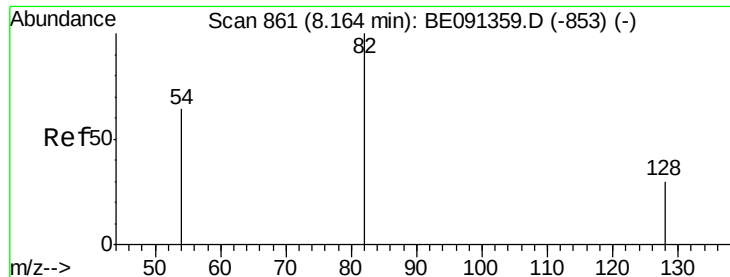
Delta R.T. -0.01 min

Lab File: BE091370.D

Acq: 15 Jan 2016 3:17

Tgt Ion:	136	Resp:	156035
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.7	13.1
54	12.3	9.8	14.6
68	8.7	6.6	10.0





#5

Nitrobenzene-d5

Concen: 1.06 ng

RT: 8.15 min Scan# 859

Delta R.T. -0.01 min

Lab File: BE091370.D

Acq: 15 Jan 2016 3:17

Instrument :

BNA_E

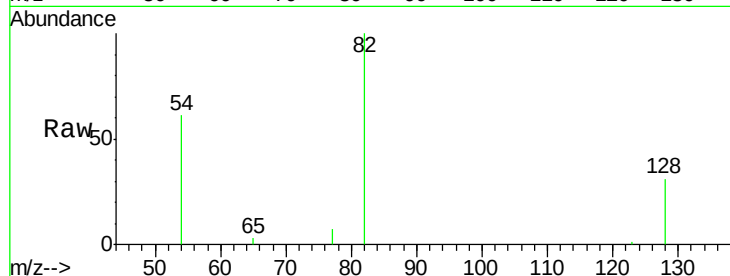
ClientSampleId :

SSTDCCC001EC

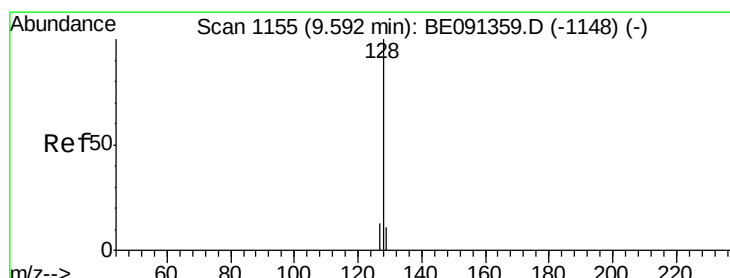
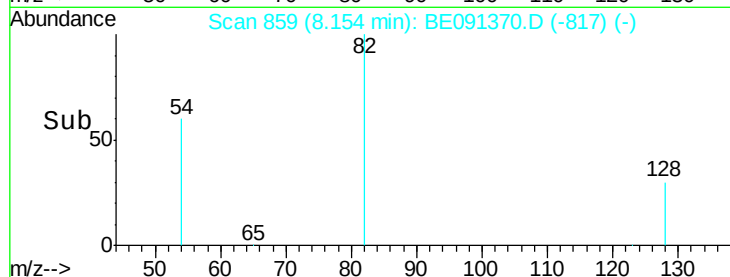
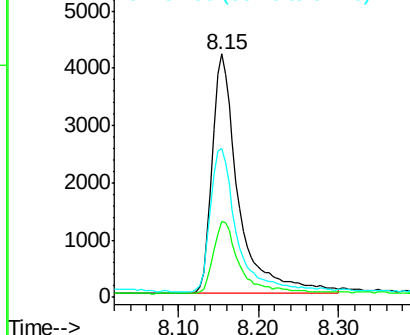
Tgt Ion:	82	Resp:	9565
Ion Ratio	Lower	Upper	
82	100		
128	31.4	24.6	36.8
54	61.2	52.7	79.1

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Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0



#6

Naphthalene

Concen: 1.02 ng

RT: 9.58 min Scan# 1154

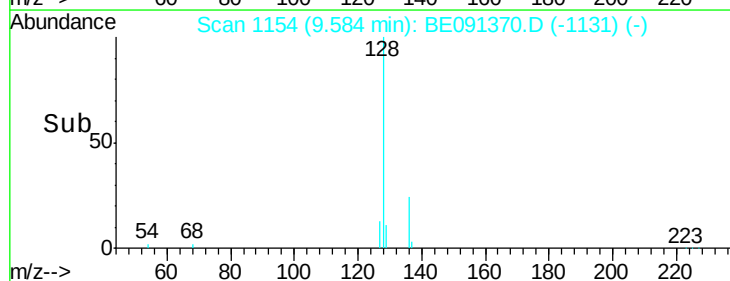
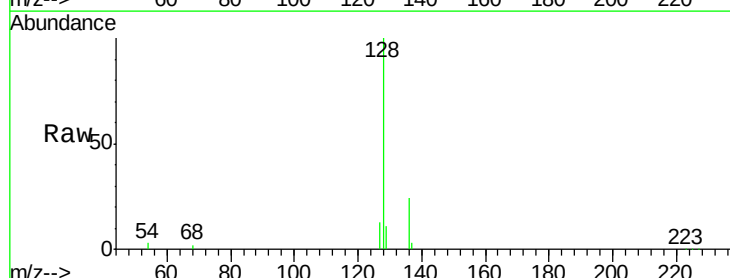
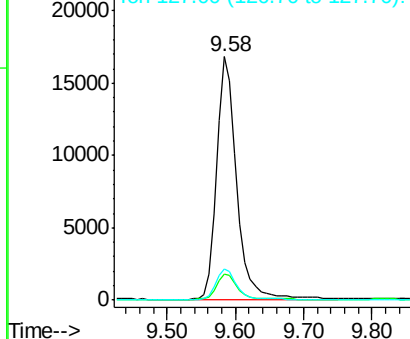
Delta R.T. -0.01 min

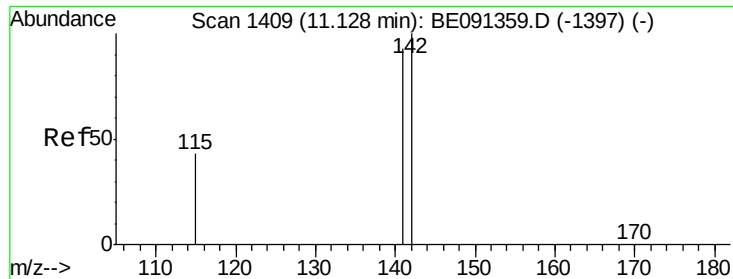
Lab File: BE091370.D

Acq: 15 Jan 2016 3:17

Tgt Ion:	128	Resp:	33954
Ion Ratio	Lower	Upper	
128	100		
129	10.9	9.3	13.9
127	13.0	10.6	15.8

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 1.04 ng

RT: 11.12 min Scan# 1407

Delta R.T. -0.01 min

Lab File: BE091370.D

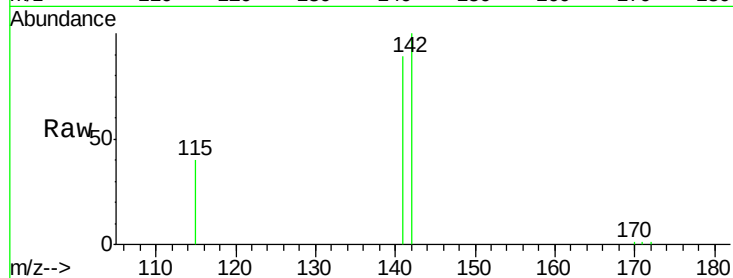
Acq: 15 Jan 2016 3:17

Instrument :

BNA_E

ClientSampleId :

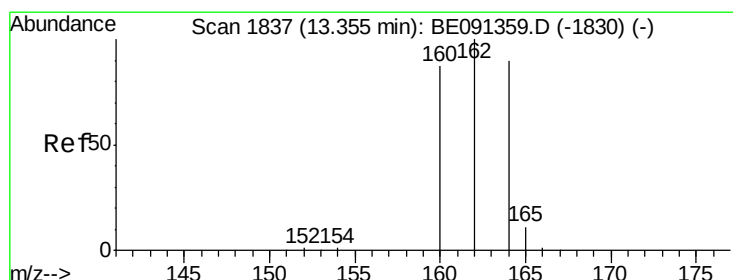
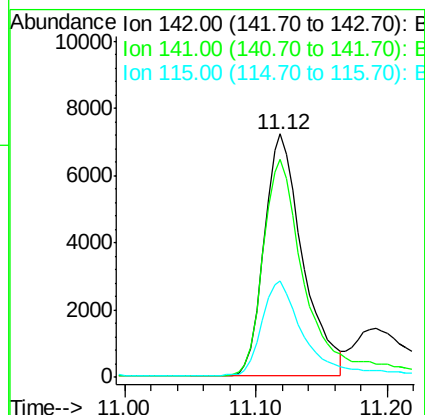
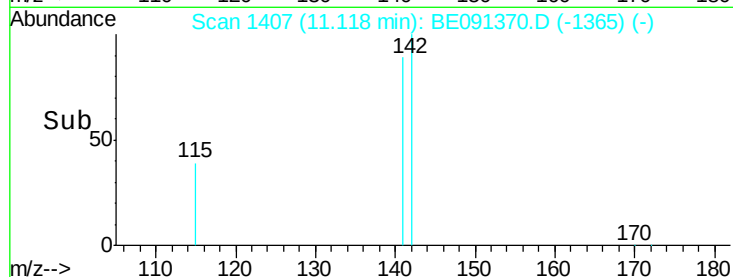
SSTDCCC001EC



Tgt Ion:	142	Resp:	14689
Ion Ratio	Lower	Upper	
142	100		
141	89.3	74.5	111.7
115	39.8	35.2	52.8

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#8

Acenaphthene-d10

Concen: 5.00 ng

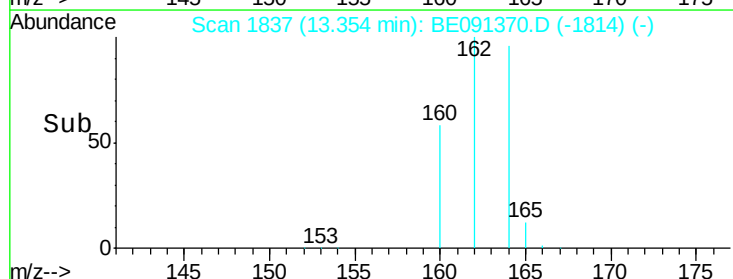
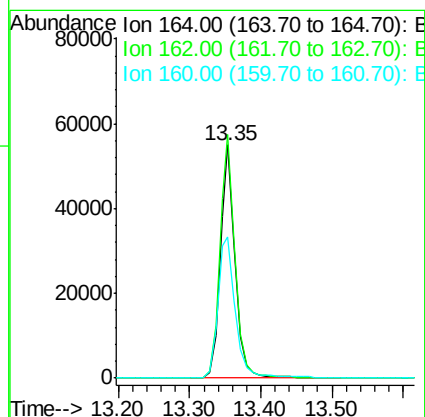
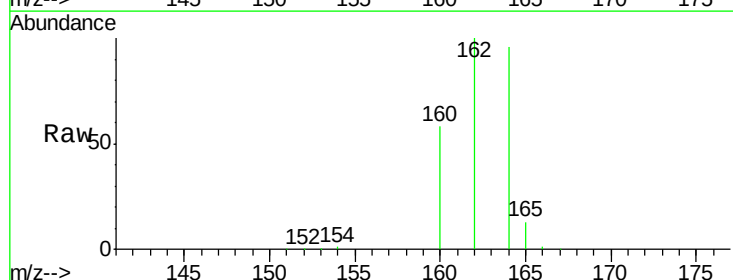
RT: 13.35 min Scan# 1837

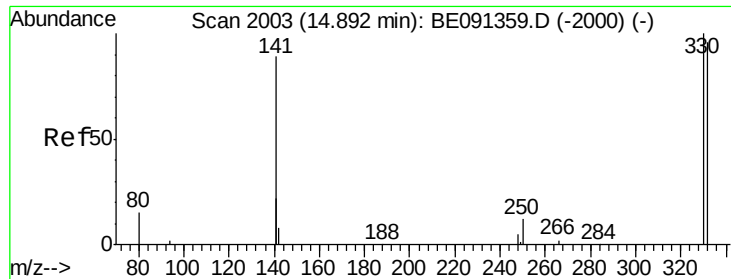
Delta R.T. -0.00 min

Lab File: BE091370.D

Acq: 15 Jan 2016 3:17

Tgt Ion:	164	Resp:	79571
Ion Ratio	Lower	Upper	
164	100		
162	104.6	88.5	132.7
160	60.4	76.7	115.1#





#9

2,4,6-Tribromophenol

Concen: 1.03 ng

RT: 14.89 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BE091370.D

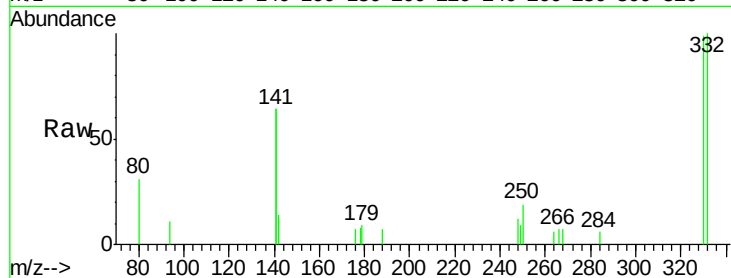
Acq: 15 Jan 2016 3:17

Instrument :

BNA_E

ClientSampleId :

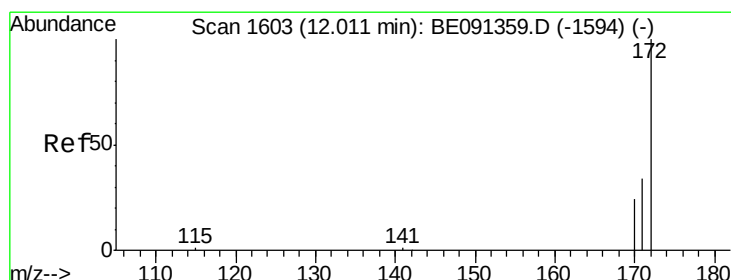
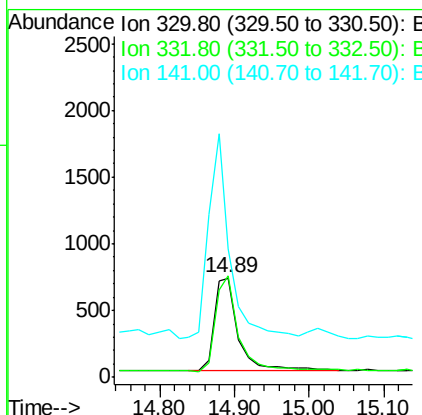
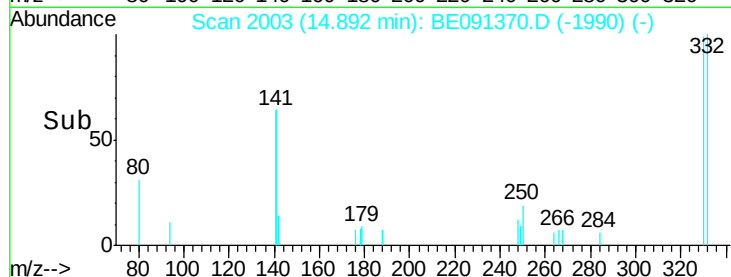
SSTDCCC001EC



Tgt Ion:	330	Resp:	1591
Ion Ratio	Lower	Upper	
330	100		
332	95.2	78.6	118.0
141	188.9	147.8	221.8

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#10

2-Fluorobiphenyl

Concen: 1.08 ng

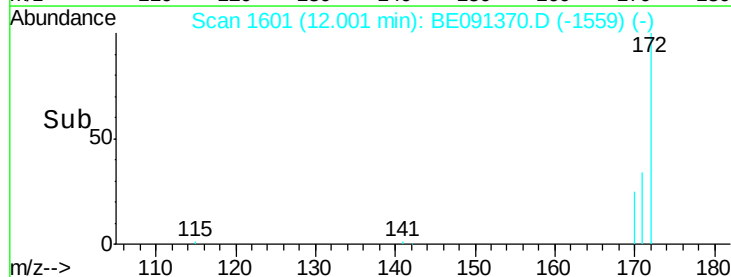
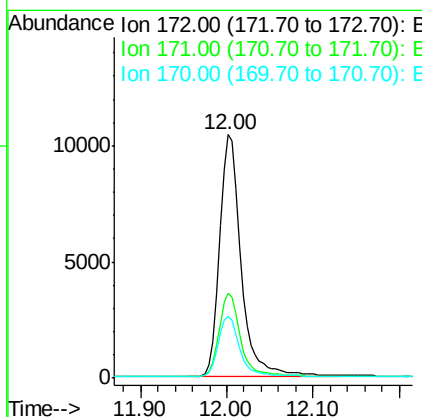
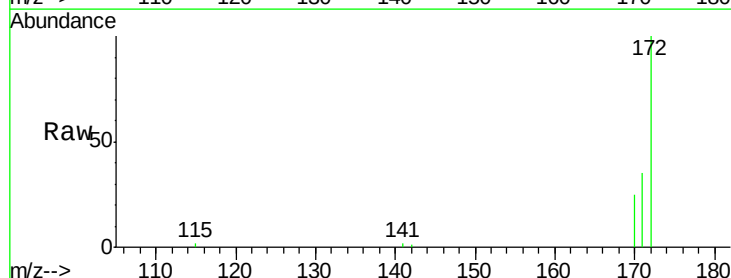
RT: 12.00 min Scan# 1601

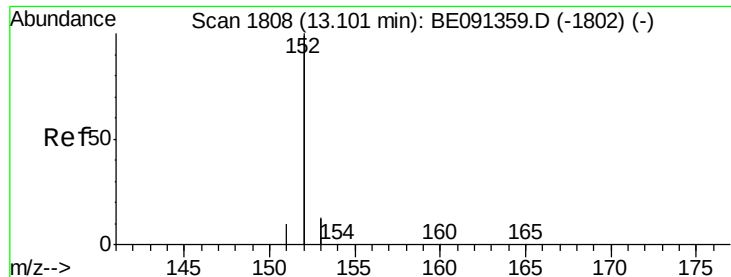
Delta R.T. -0.01 min

Lab File: BE091370.D

Acq: 15 Jan 2016 3:17

Tgt Ion:	172	Resp:	18596
Ion Ratio	Lower	Upper	
172	100		
171	34.7	27.3	40.9
170	25.2	19.8	29.6





#11

Acenaphthylene

Concen: 0.99 ng

RT: 13.10 min Scan# 1808

Delta R.T. 0.00 min

Lab File: BE091370.D

Acq: 15 Jan 2016 3:17

Instrument :

BNA_E

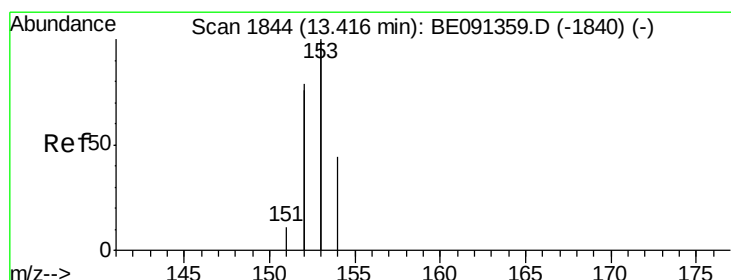
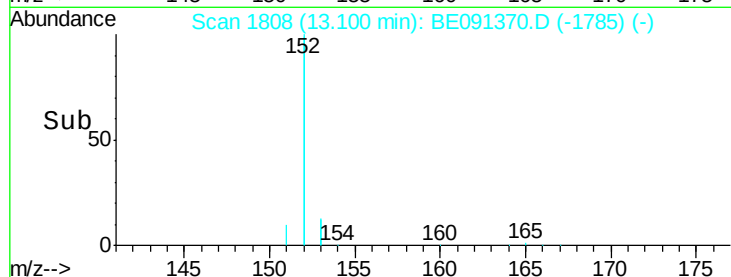
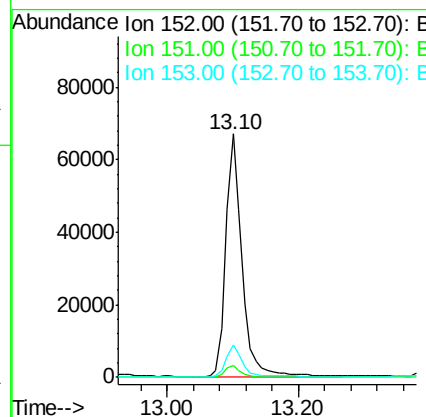
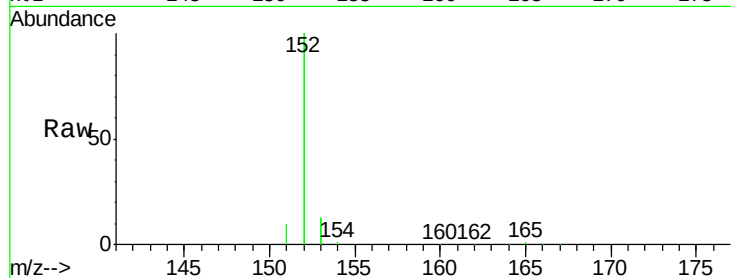
ClientSampleId :

SSTDCCC001EC

Tgt Ion:	152	Resp:	113487
Ion Ratio	Lower	Upper	
152	100		
151	4.7	3.8	5.8
153	12.8	10.1	15.1

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#12

Acenaphthene

Concen: 0.96 ng

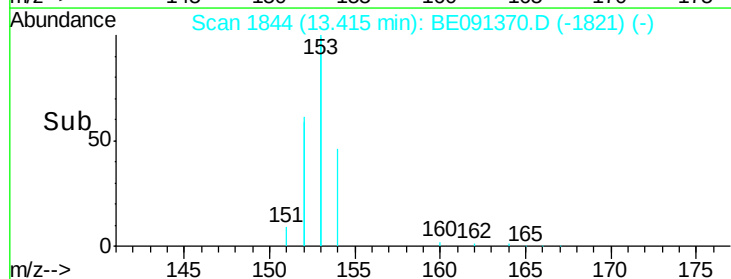
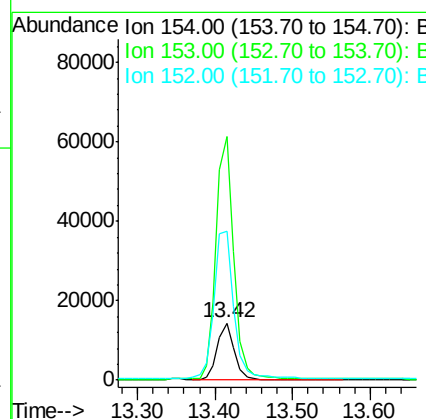
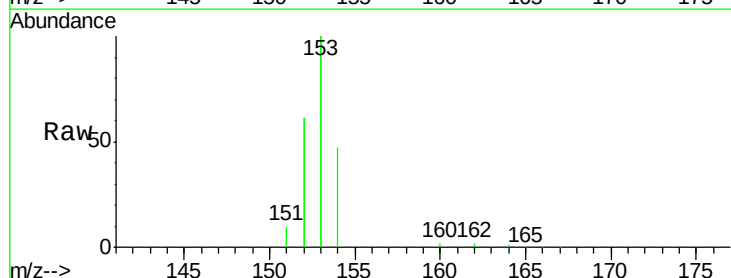
RT: 13.42 min Scan# 1844

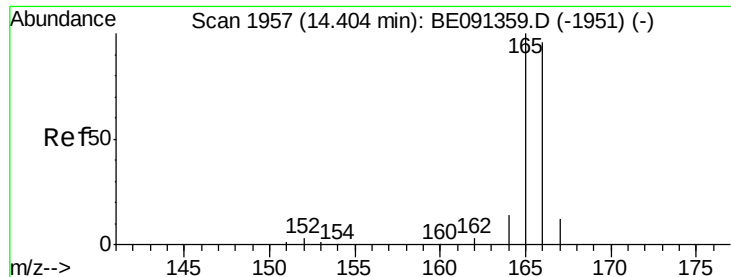
Delta R.T. -0.00 min

Lab File: BE091370.D

Acq: 15 Jan 2016 3:17

Tgt Ion:	154	Resp:	21692
Ion Ratio	Lower	Upper	
154	100		
153	450.2	370.2	555.4
152	305.3	310.5	465.7#





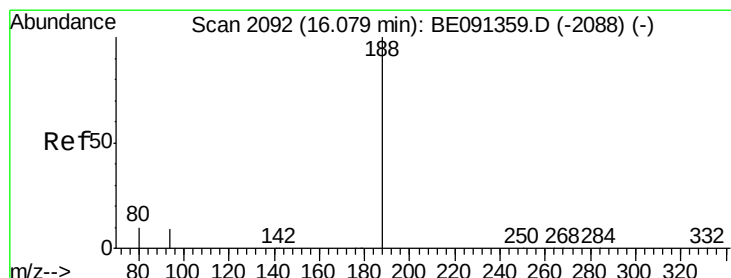
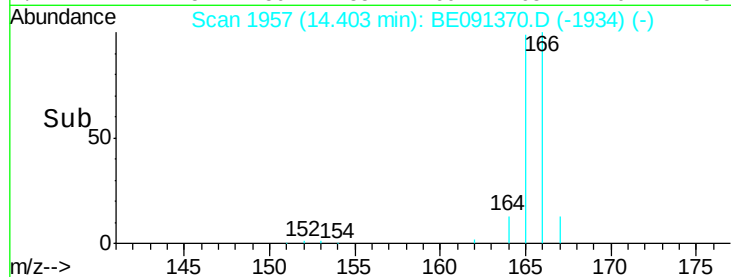
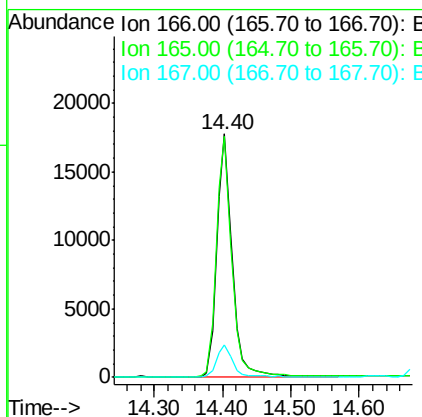
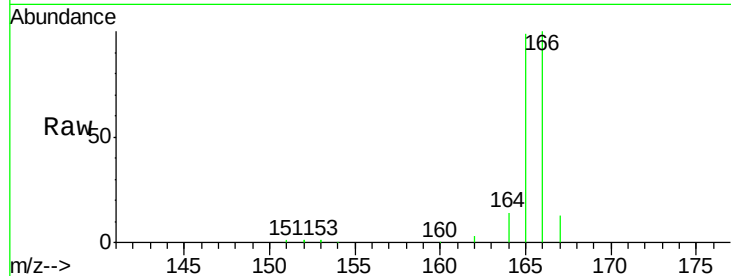
#13
Fluorene
 Concen: 0.98 ng
 RT: 14.40 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: BE091370.D
 Acq: 15 Jan 2016 3:17

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001EC

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	27327		
165	100.6	83.0	124.6	
167	13.2	11.1	16.7	

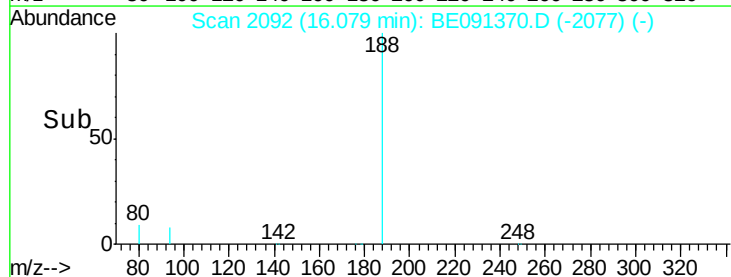
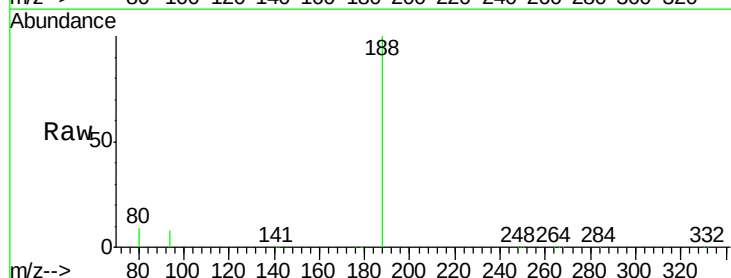
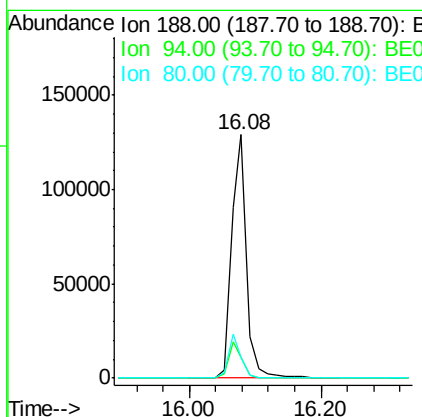
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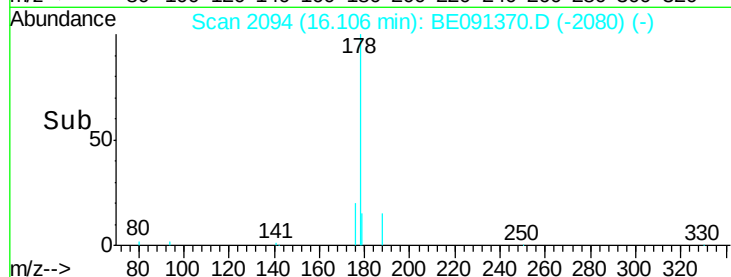
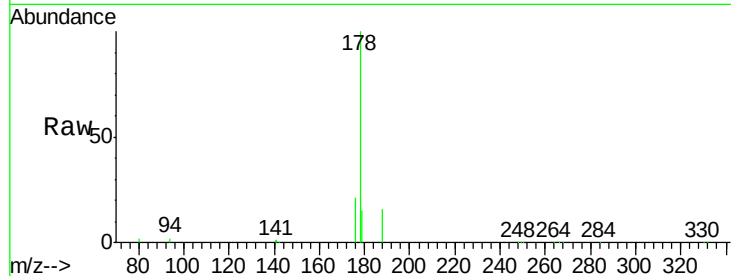
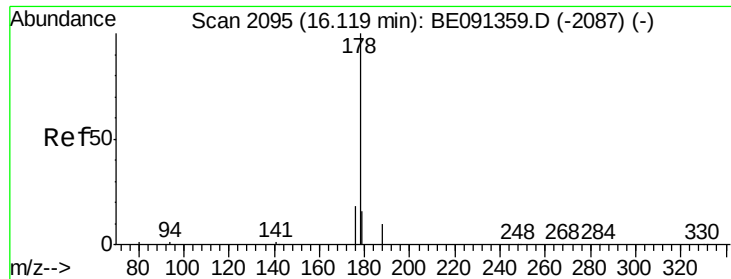
mohammad
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#14
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.08 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: BE091370.D
 Acq: 15 Jan 2016 3:17

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	206316		
94	8.4	7.5	11.3	
80	8.8	8.2	12.2	





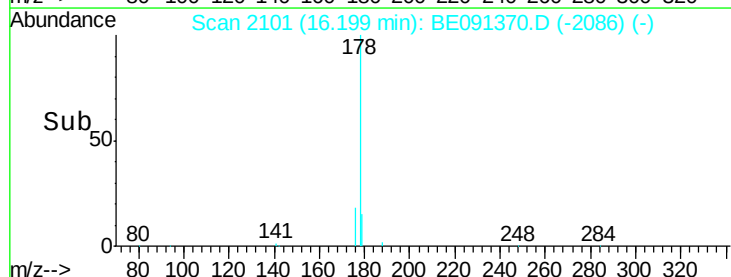
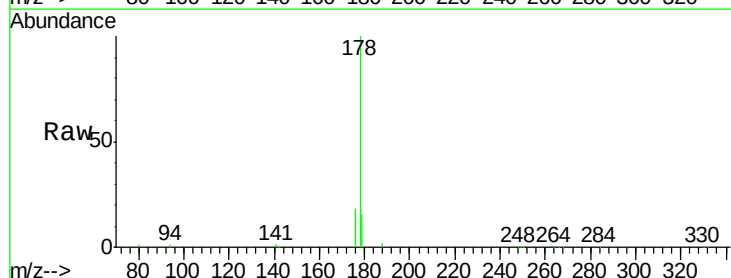
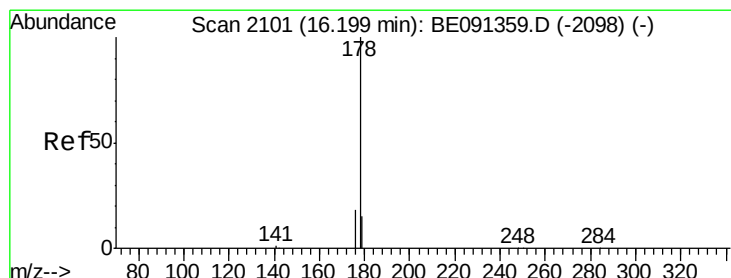
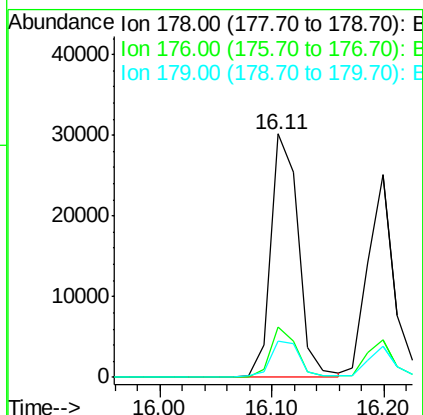
#15
Phenanthrene
Concen: 1.01 ng
RT: 16.11 min Scan# 2094
Delta R.T. -0.01 min
Lab File: BE091370.D
Acq: 15 Jan 2016 3:17

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.7	12.8	19.2

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

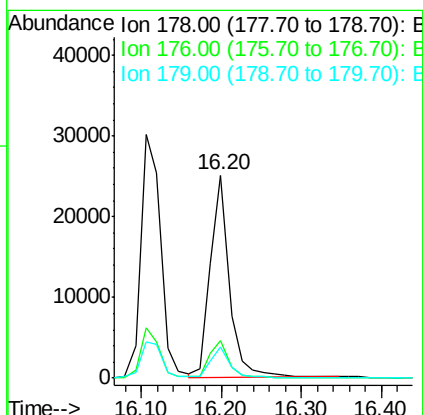
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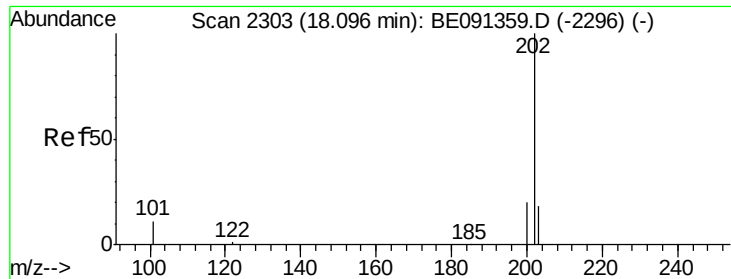
mohammad
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#16
Anthracene
Concen: 1.04 ng
RT: 16.20 min Scan# 2101
Delta R.T. -0.00 min
Lab File: BE091370.D
Acq: 15 Jan 2016 3:17

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	15.2	12.4	18.6





#17

Fluoranthene

Concen: 1.22 ng

RT: 18.09 min Scan# 2302

Delta R.T. -0.01 min

Lab File: BE091370.D

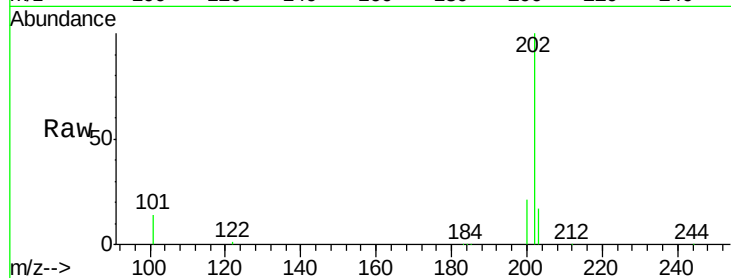
Acq: 15 Jan 2016 3:17

Instrument :

BNA_E

ClientSampleId :

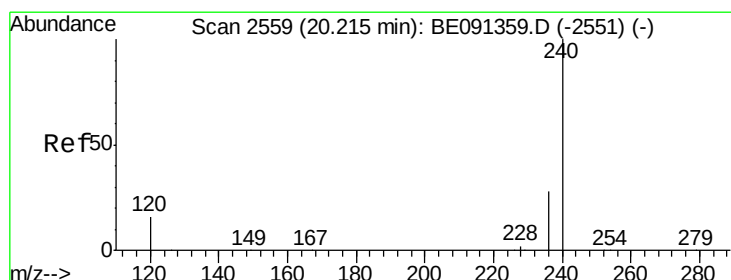
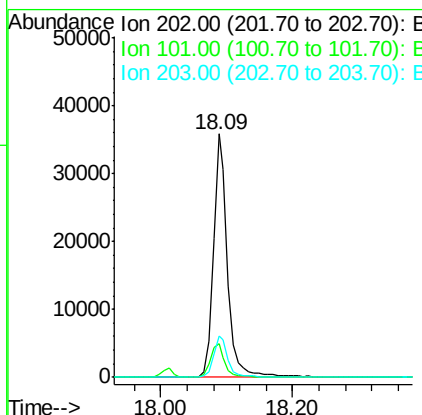
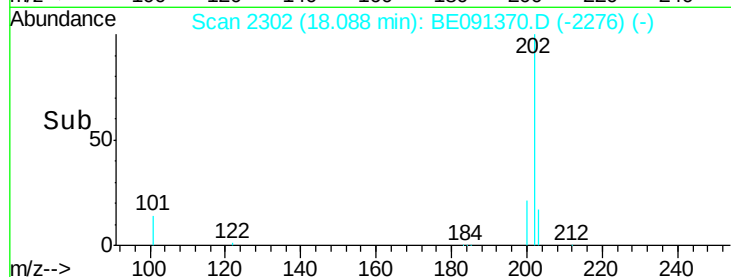
SSTDCCC001EC



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	53478		
101	14.2	11.0	16.4	
203	17.1	13.9	20.9	

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#18

Chrysene-d12

Concen: 5.00 ng

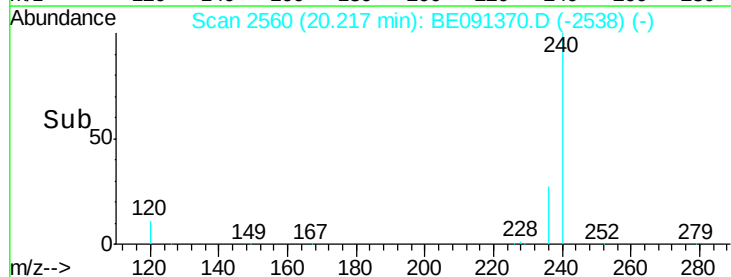
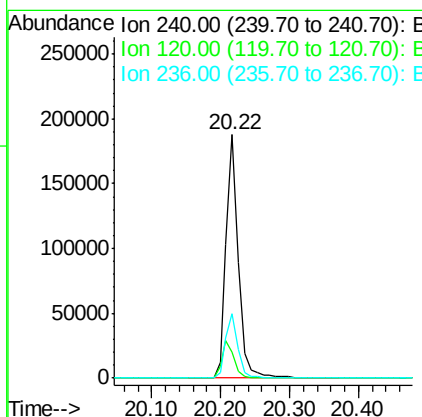
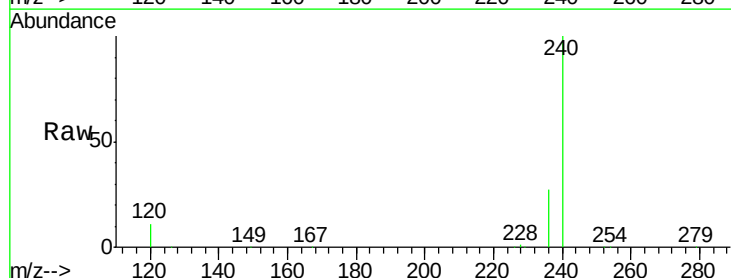
RT: 20.22 min Scan# 2560

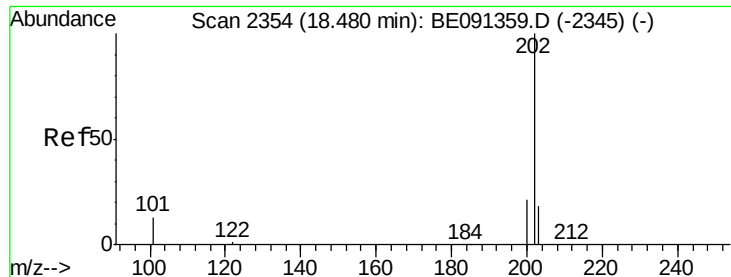
Delta R.T. 0.00 min

Lab File: BE091370.D

Acq: 15 Jan 2016 3:17

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	233645		
120	10.9	12.6	19.0#	
236	26.6	22.7	34.1	





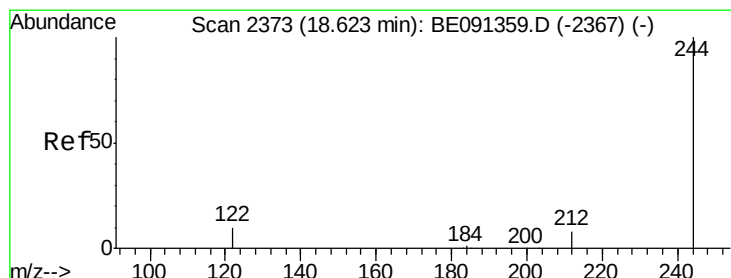
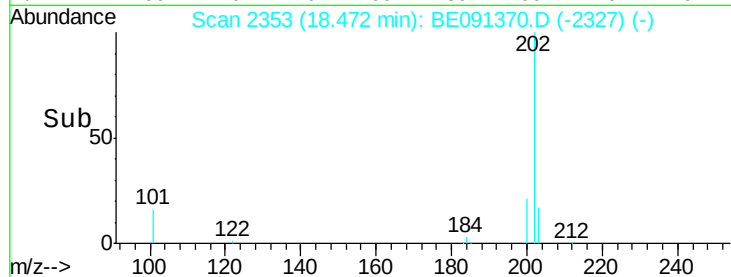
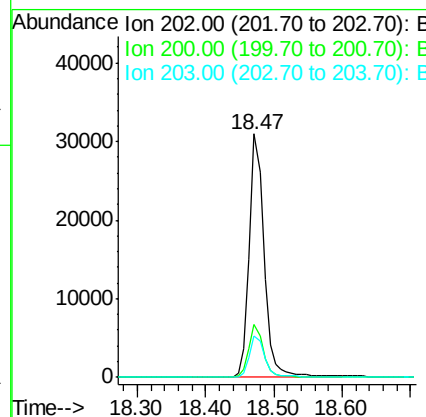
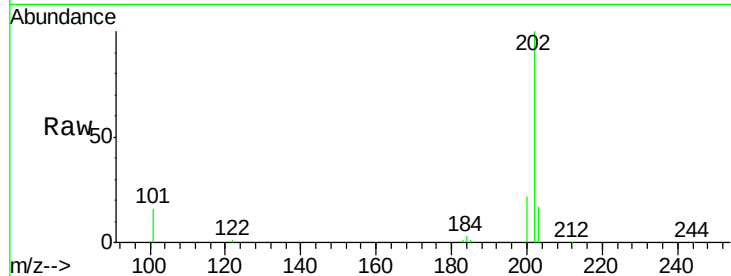
#19
 Pyrene
 Concen: 1.10 ng
 RT: 18.47 min Scan# 2353
 Delta R.T. -0.01 min
 Lab File: BE091370.D
 Acq: 15 Jan 2016 3:17

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001EC

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.1	17.2	25.8
203	17.5	14.2	21.4

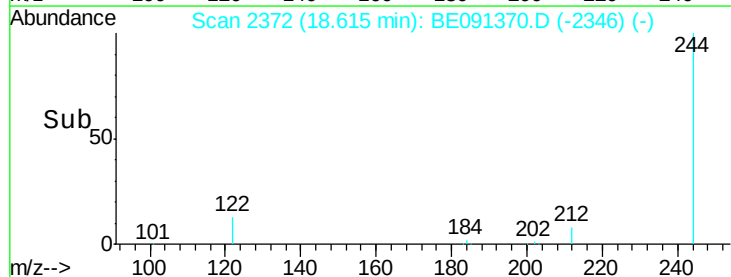
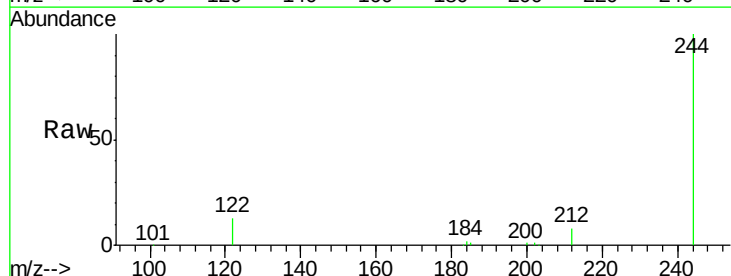
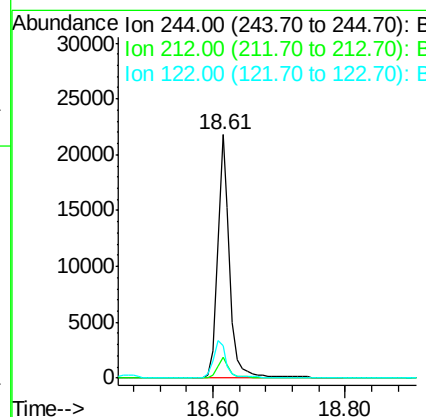
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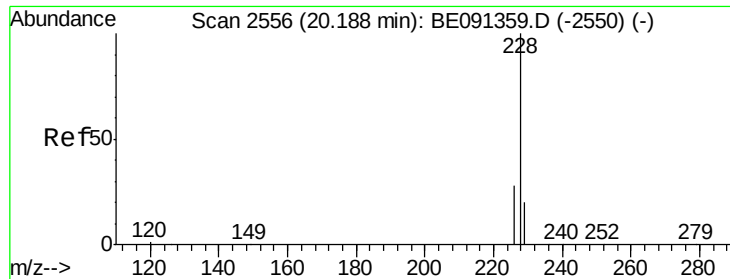
mohammad
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#20
 Terphenyl-d14
 Concen: 1.10 ng
 RT: 18.61 min Scan# 2372
 Delta R.T. -0.01 min
 Lab File: BE091370.D
 Acq: 15 Jan 2016 3:17

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.4	7.0	10.4
122	13.1	8.5	12.7#





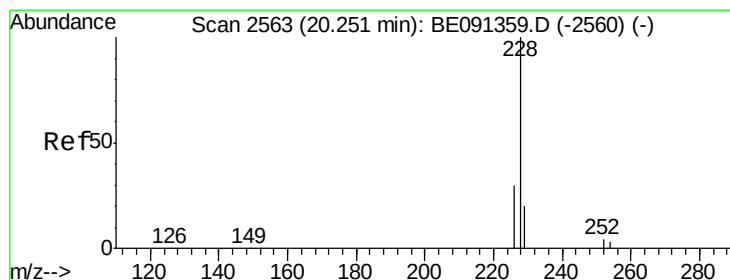
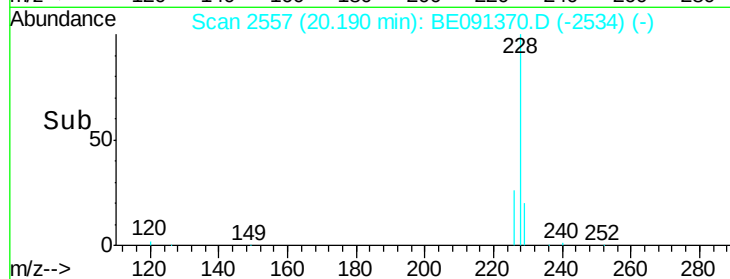
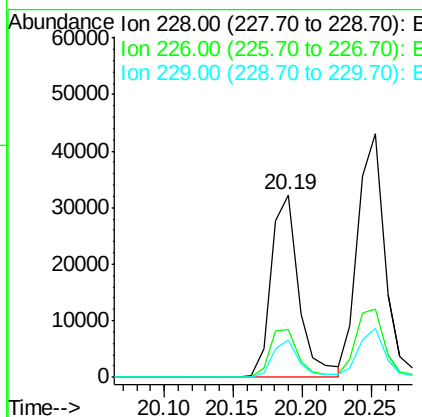
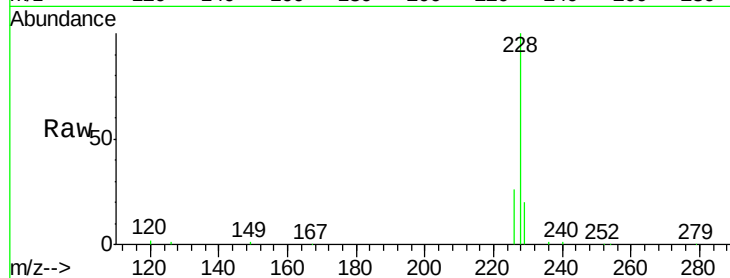
#21
Benzo(a)anthracene
Concen: 1.21 ng
RT: 20.19 min Scan# 2557
Delta R.T. 0.00 min
Lab File: BE091370.D
Acq: 15 Jan 2016 3:17

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.4	22.5	33.7
229	20.2	16.2	24.4

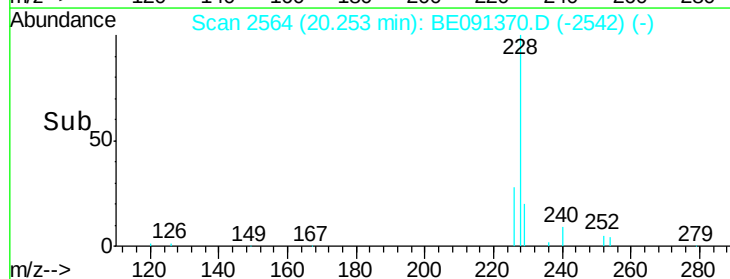
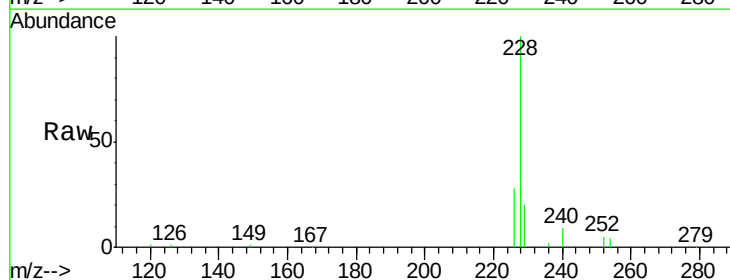
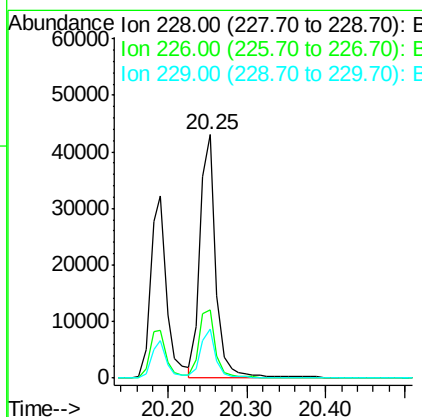
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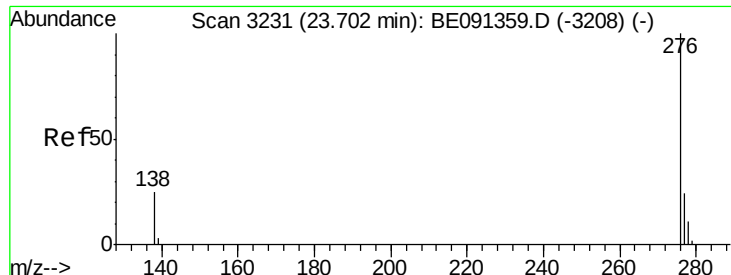
mohammad
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#22
Chrysene
Concen: 1.05 ng
RT: 20.25 min Scan# 2564
Delta R.T. 0.00 min
Lab File: BE091370.D
Acq: 15 Jan 2016 3:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	23.7	35.5
229	20.0	16.0	24.0





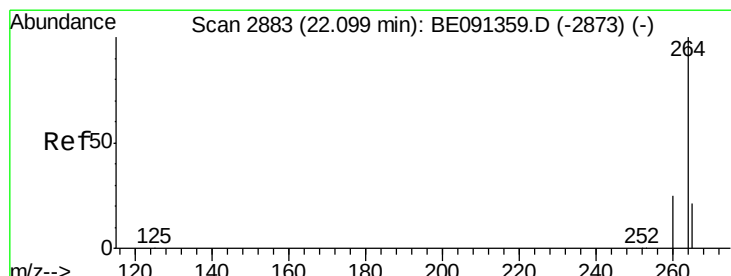
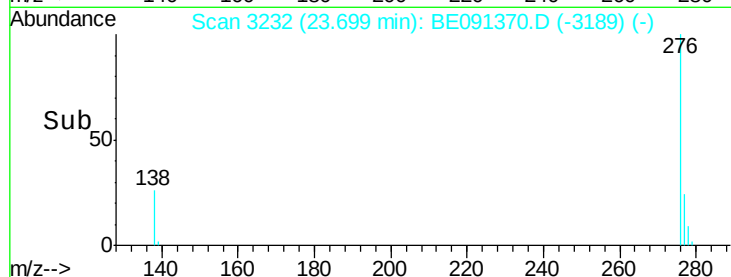
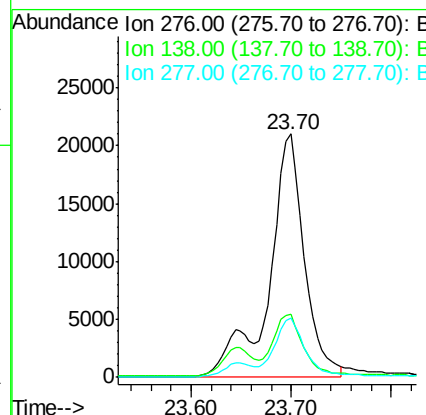
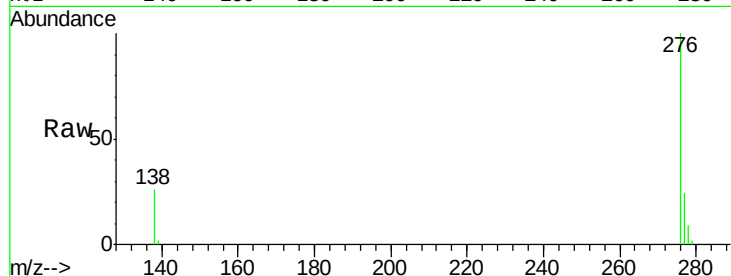
#23
Indeno(1,2,3-cd)pyrene
Concen: 1.20 ng m
RT: 23.70 min Scan# 3232
Delta R.T. -0.00 min
Lab File: BE091370.D
Acq: 15 Jan 2016 3:17

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.6	18.6	27.8
277	20.0	16.5	24.7

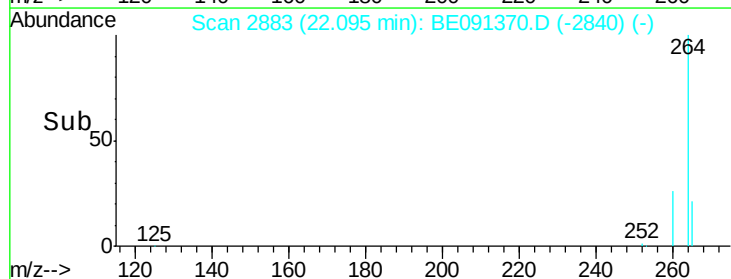
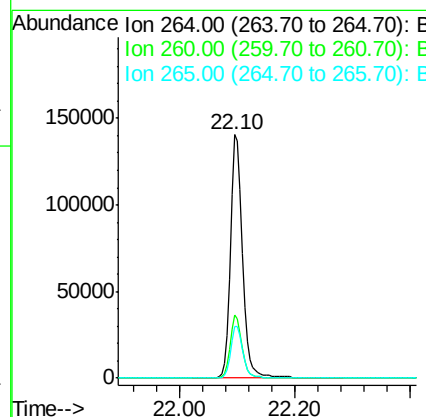
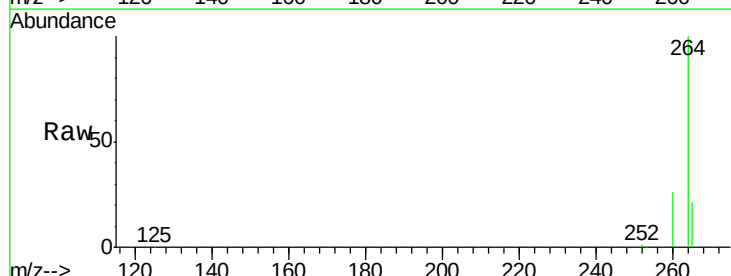
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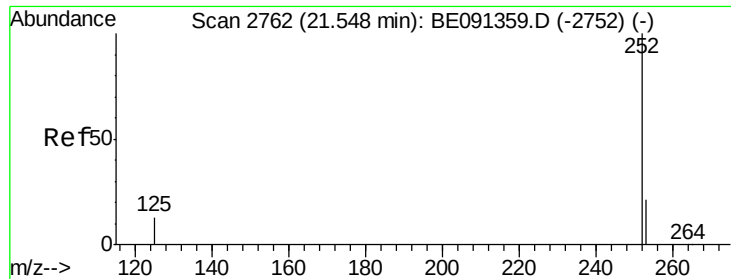
mohammad
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#24
Perylene-d12
Concen: 5.00 ng
RT: 22.10 min Scan# 2883
Delta R.T. -0.00 min
Lab File: BE091370.D
Acq: 15 Jan 2016 3:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.4	30.6
265	21.1	17.2	25.8





#25

Benzo(b)fluoranthene

Concen: 1.17 ng

RT: 21.55 min Scan# 2763

Delta R.T. 0.00 min

Lab File: BE091370.D

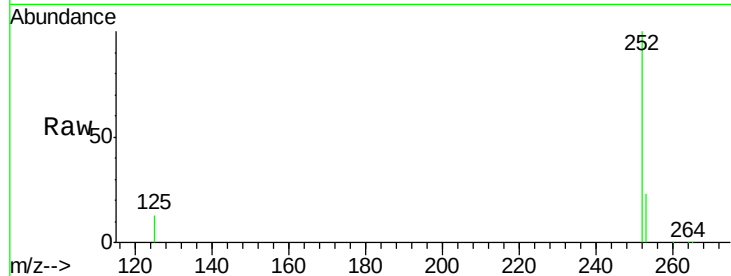
Acq: 15 Jan 2016 3:17

Instrument :

BNA_E

ClientSampleId :

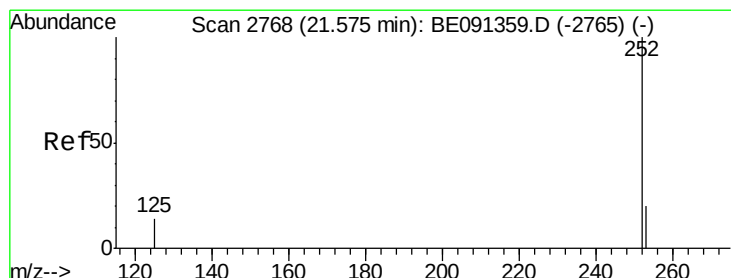
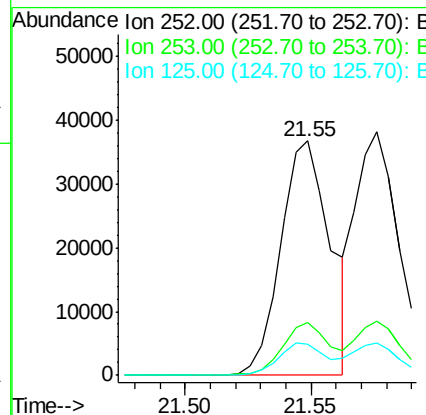
SSTDCCC001EC



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.2
125	13.1	11.0	16.6

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#26

Benzo(k)fluoranthene

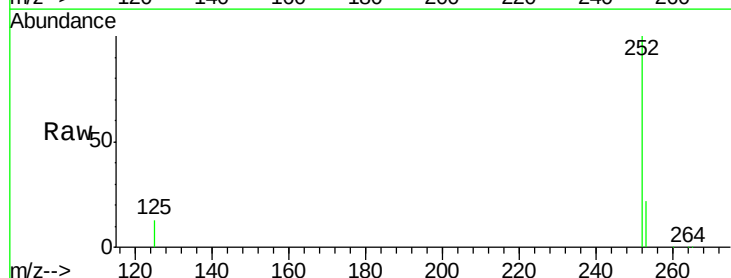
Concen: 1.04 ng

RT: 21.58 min Scan# 2769

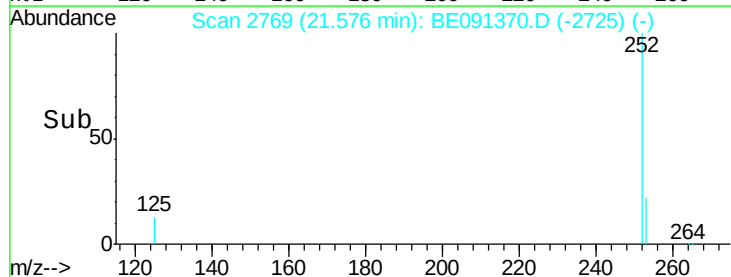
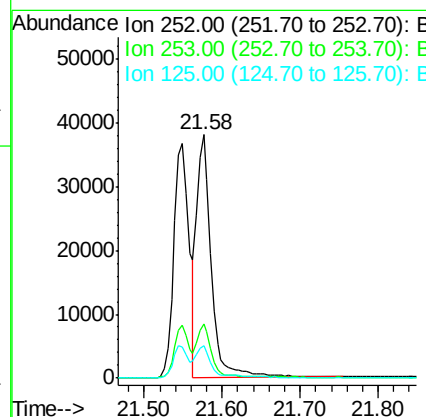
Delta R.T. 0.00 min

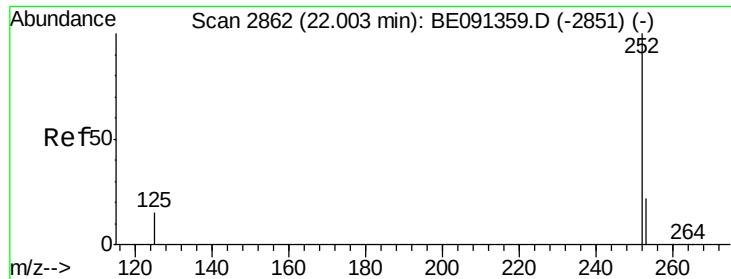
Lab File: BE091370.D

Acq: 15 Jan 2016 3:17



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	13.4	11.3	16.9





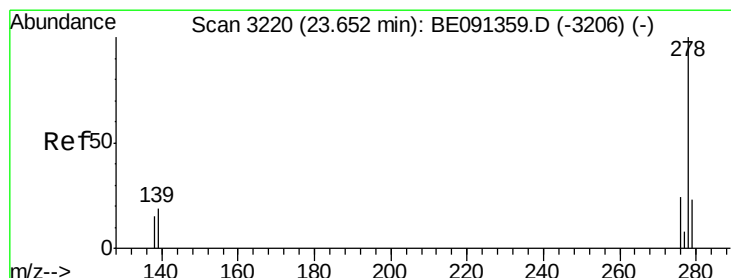
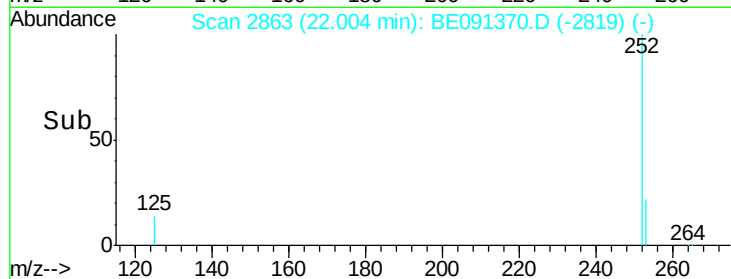
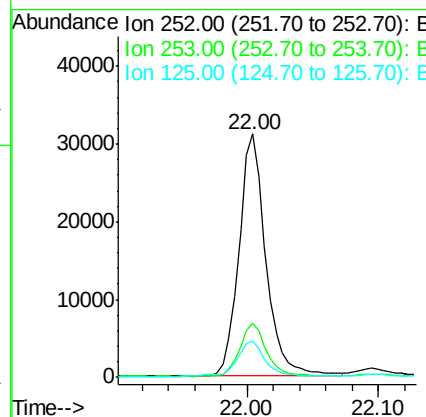
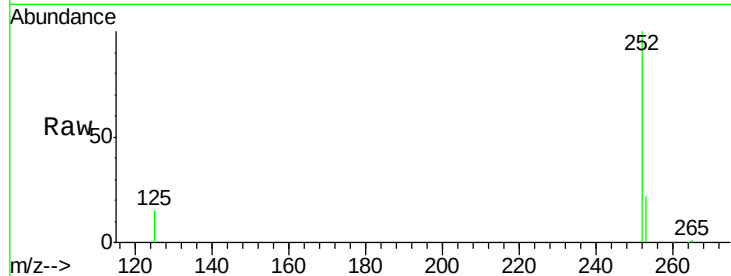
#27
Benzo(a)pyrene
Concen: 1.08 ng
RT: 22.00 min Scan# 2863
Delta R.T. 0.00 min
Lab File: BE091370.D
Acq: 15 Jan 2016 3:17

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

Tgt Ion:	252	Resp:	44425
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.1	27.1
125	14.7	12.2	18.4

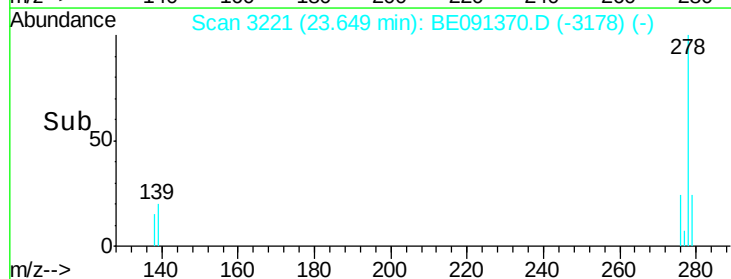
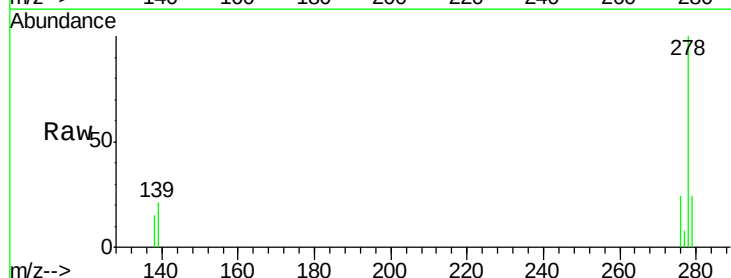
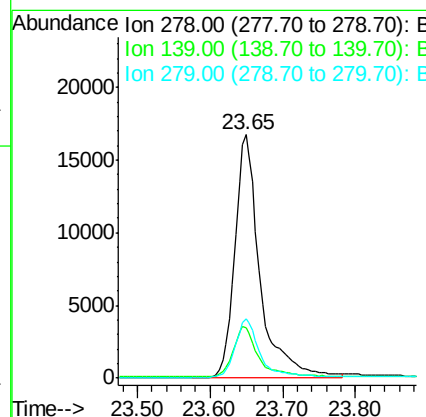
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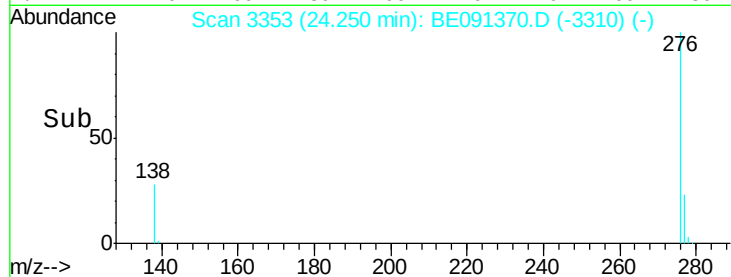
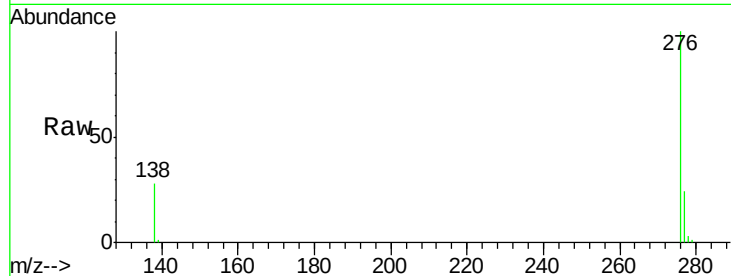
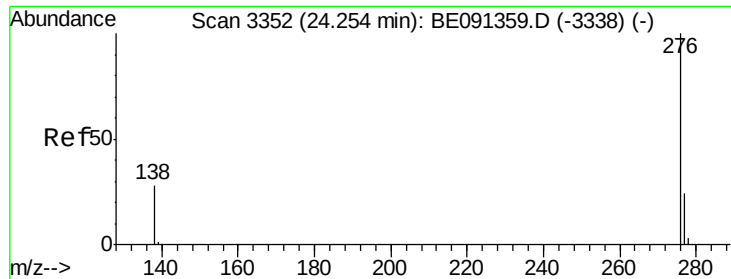
mohammad
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#28
Dibenzo(a,h)anthracene
Concen: 1.22 ng
RT: 23.65 min Scan# 3221
Delta R.T. -0.00 min
Lab File: BE091370.D
Acq: 15 Jan 2016 3:17

Tgt Ion:	278	Resp:	40092
Ion Ratio	Lower	Upper	
278	100		
139	20.8	16.3	24.5
279	24.4	19.4	29.2





#29

Benzo(g,h,i)perylene

Concen: 1.15 ng

RT: 24.25 min Scan# 3353

Delta R.T. -0.00 min

Lab File: BE091370.D

Acq: 15 Jan 2016 3:17

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001EC

Tgt Ion:	276	Resp:	44319
Ion Ratio	Lower	Upper	
276	100		
277	23.6	19.8	29.6
138	28.1	23.3	34.9

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