

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011416\
 Data File : BE091363.D
 Acq On : 14 Jan 2016 23:00
 Operator : UM/IZ
 Sample : SSTDICV001
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE011416

Manual Integrations
 APPROVED

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 1/15/2016 3:39:22 PM

Quant Time: Jan 15 15:15:23 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	21302	5.00	ng	0.00
4) Naphthalene-d8	9.55	136	99196	5.00	ng	0.00
8) Acenaphthene-d10	13.36	164	49820	5.00	ng	0.00
14) Phenanthrene-d10	16.08	188	150068	5.00	ng	0.00
18) Chrysene-d12	20.22	240	146748	5.00	ng	0.00
24) Perylene-d12	22.10	264	111950	5.00	ng	0.00

System Monitoring Compounds

2) 2-Fluorophenol	4.94	112	3081	1.31	ng	0.00
3) Phenol-d6	6.57	99	4984	1.28	ng	0.00
5) Nitrobenzene-d5	8.17	82	6017	1.05	ng	0.00
9) 2,4,6-Tribromophenol	14.89	330	900	0.98	ng	0.00
10) 2-Fluorobiphenyl	12.02	172	11612	1.08	ng	0.00
20) Terphenyl-d14	18.62	244	14413	0.96	ng	0.00

Target Compounds

						Qvalue
6) Naphthalene	9.59	128	22367	1.06	ng	99
7) 2-Methylnaphthalene	11.14	142	8198	0.95	ng	93
11) Acenaphthylene	13.11	152	67781	0.96	ng	100
12) Acenaphthene	13.41	154	14580	1.03	ng	91
13) Fluorene	14.41	166	18117	1.03	ng	97
15) Phenanthrene	16.12	178	37669	1.01	ng	100
16) Anthracene	16.20	178	27145	0.96	ng	100
17) Fluoranthene	18.10	202	22231	0.81	ng	100
19) Pyrene	18.48	202	20101	0.91	ng	99
21) Benzo(a)anthracene	20.19	228	17787	0.90	ng	98
22) Chrysene	20.25	228	37825	1.06	ng	98
23) Indeno(1,2,3-cd)pyrene	23.71	276	22243m	0.93	ng	
25) Benzo(b)fluoranthene	21.55	252	21320	0.99	ng	99
26) Benzo(k)fluoranthene	21.58	252	24133	0.98	ng	99
27) Benzo(a)pyrene	22.01	252	17356	0.86	ng	99
28) Dibenzo(a,h)anthracene	23.66	278	14612	0.97	ng	100
29) Benzo(g,h,i)perylene	24.25	276	17805	0.95	ng	99

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

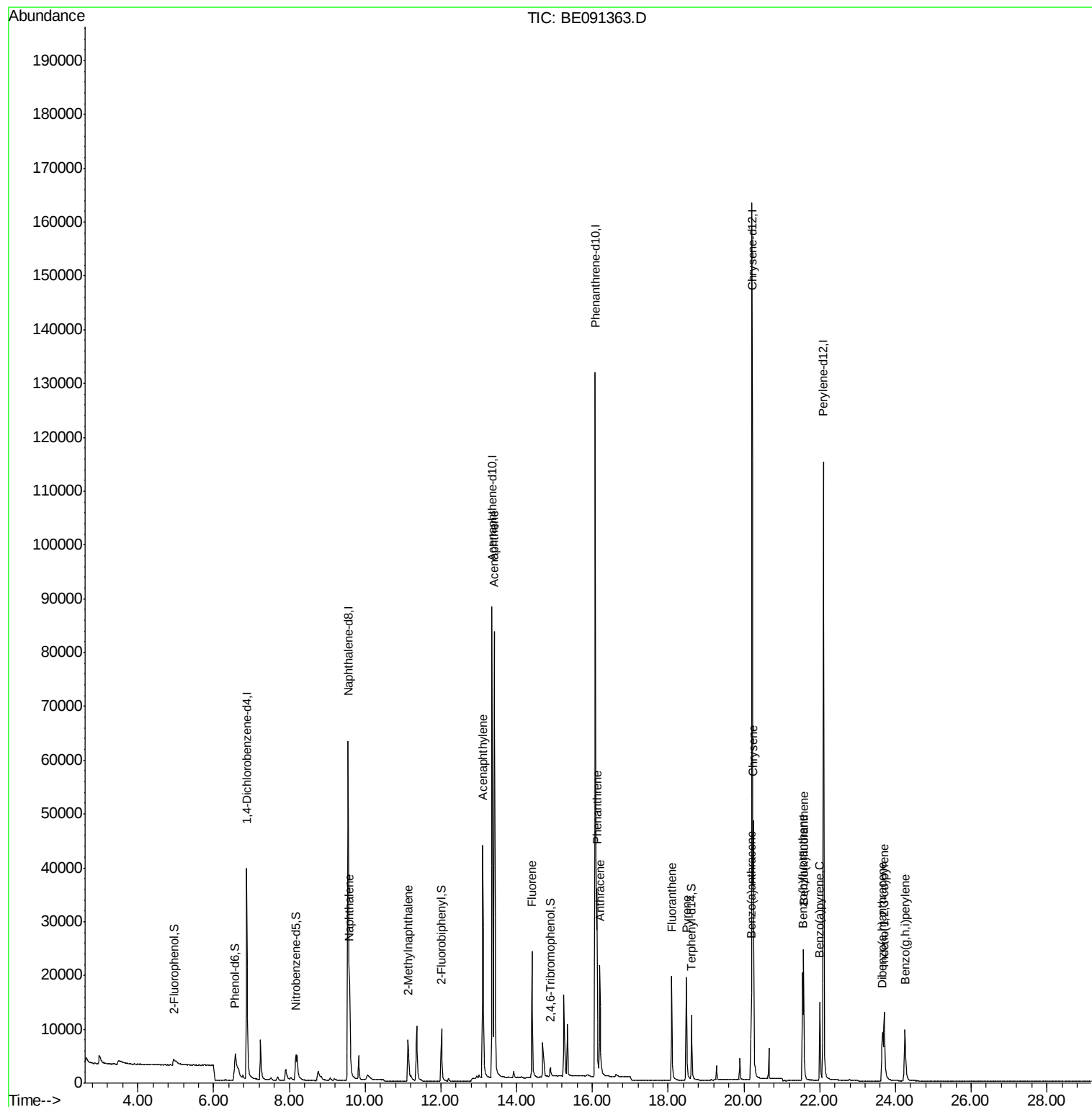
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011416\
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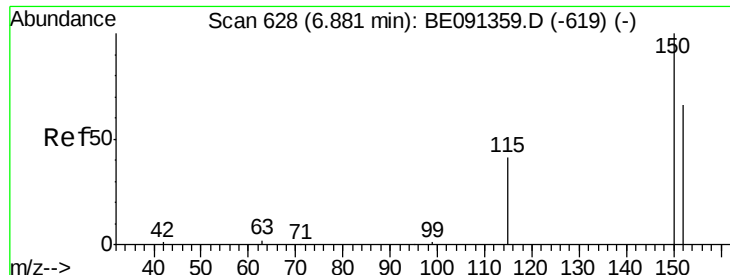
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QLast Update : Thu Jan 14 23:29:02 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.87 min Scan# 627

Delta R.T. -0.01 min

Lab File: BE091363.D

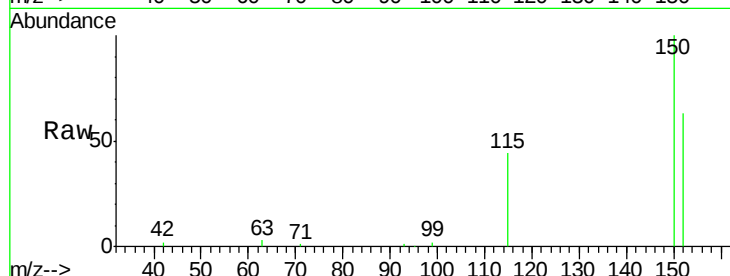
Acq: 14 Jan 2016 23:00

Instrument :

BNA_E

ClientSampleId :

ICVBE011416



Tgt Ion:152 Resp: 21302

Ion Ratio Lower Upper

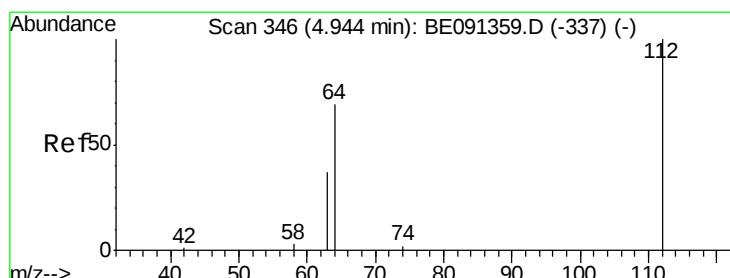
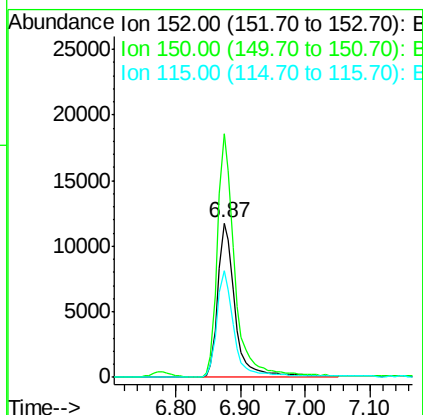
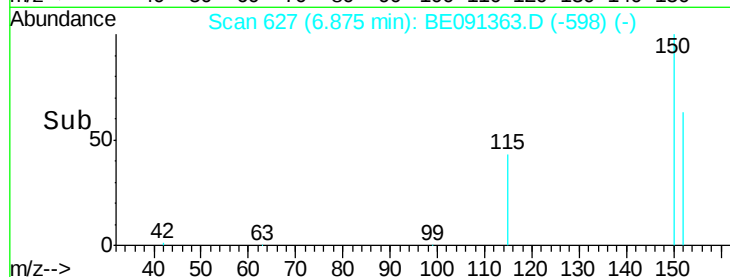
152 100

150 157.5 121.6 182.4

115 68.7 50.6 75.8

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#2

2-Fluorophenol

Concen: 1.31 ng

RT: 4.94 min Scan# 346

Delta R.T. 0.00 min

Lab File: BE091363.D

Acq: 14 Jan 2016 23:00

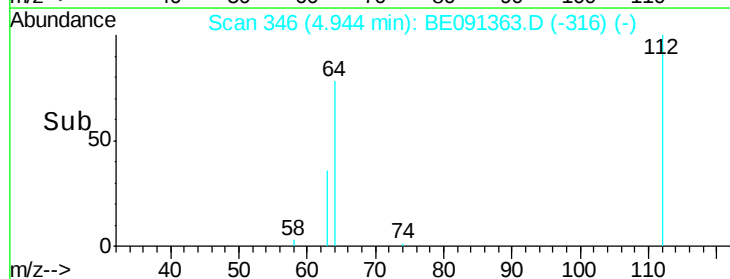
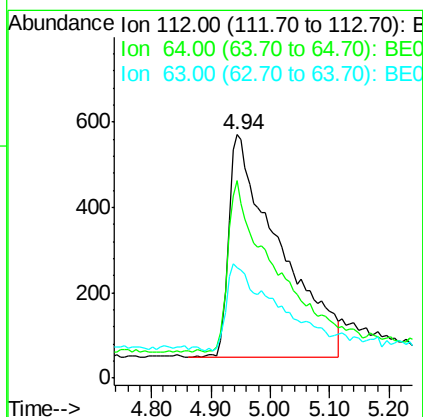
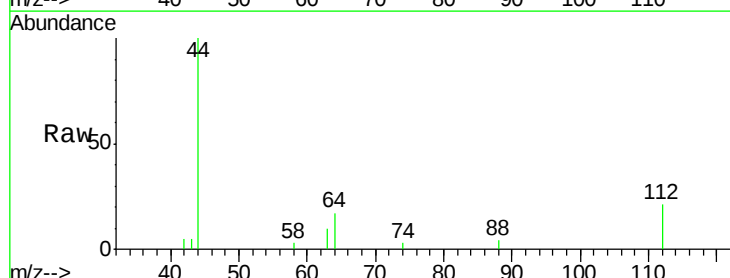
Tgt Ion:112 Resp: 3081

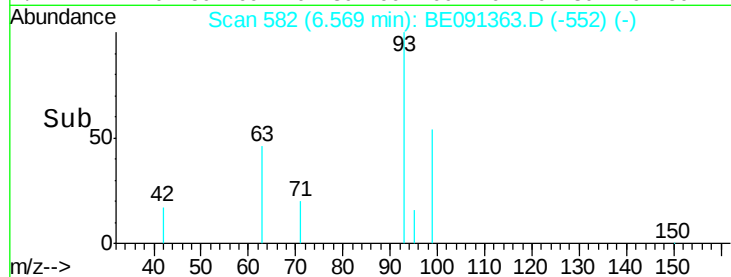
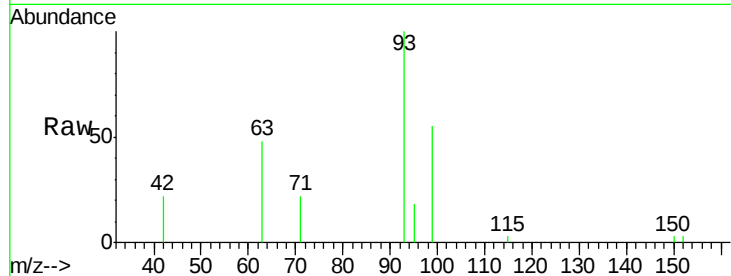
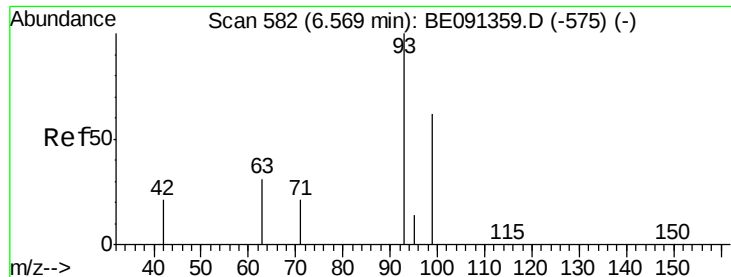
Ion Ratio Lower Upper

112 100

64 72.9 57.4 86.0

63 39.8 32.2 48.2





#3

Phenol-d6

Concen: 1.28 ng

RT: 6.57 min Scan# 582

Delta R.T. 0.00 min

Lab File: BE091363.D

Acq: 14 Jan 2016 23:00

Tgt Ion:	99	Resp:	4984
Ion Ratio	Lower	Upper	
99	100		
42	21.4	22.9	34.3#
71	35.8	35.4	53.2

Instrument :

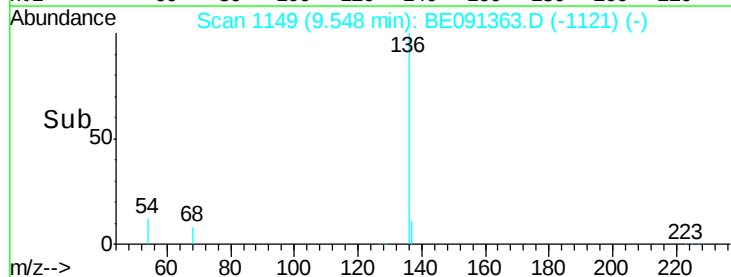
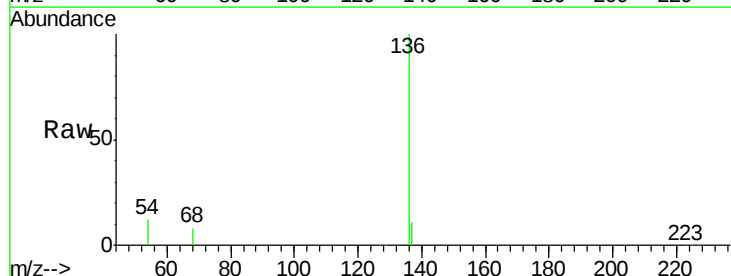
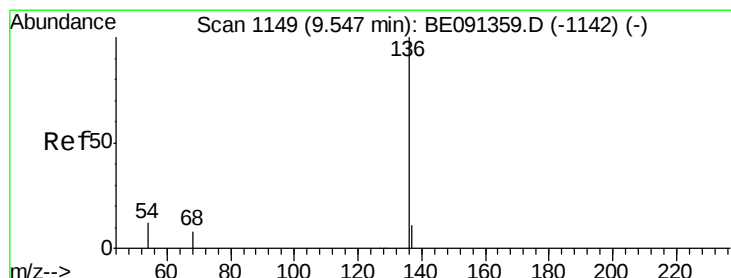
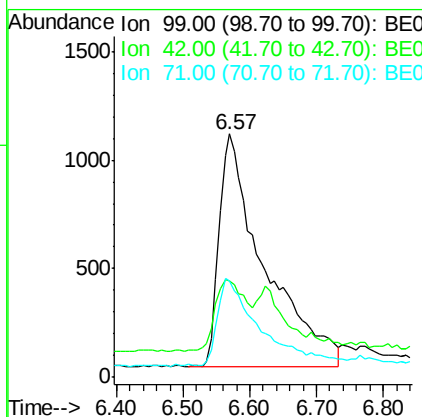
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#4

Naphthalene-d8

Concen: 5.00 ng

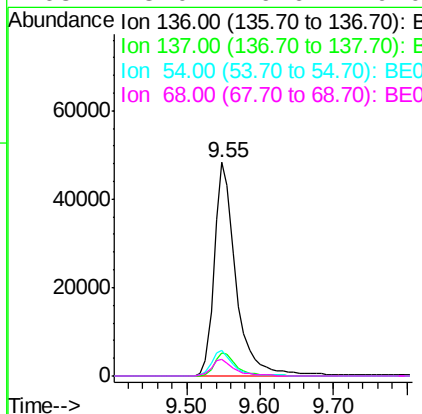
RT: 9.55 min Scan# 1149

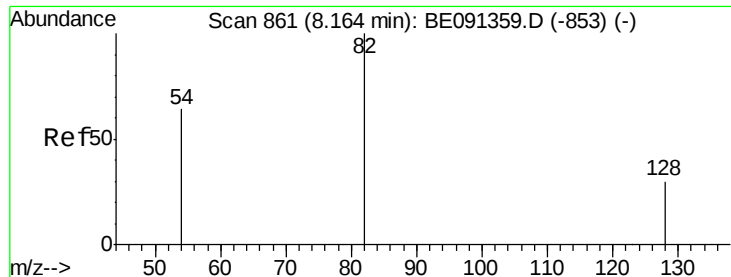
Delta R.T. 0.00 min

Lab File: BE091363.D

Acq: 14 Jan 2016 23:00

Tgt Ion:	136	Resp:	99196
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.7	13.1
54	11.9	9.8	14.6
68	8.0	6.6	10.0





#5

Nitrobenzene-d5

Concen: 1.05 ng

RT: 8.17 min Scan# 862

Delta R.T. 0.01 min

Lab File: BE091363.D

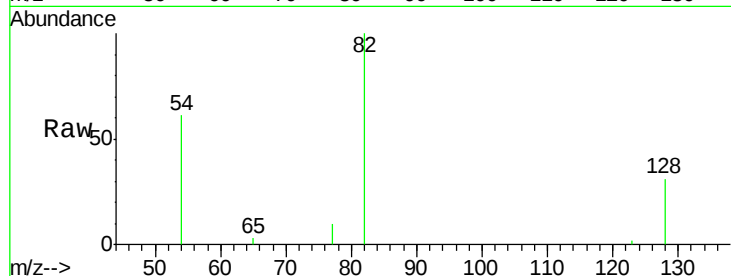
Acq: 14 Jan 2016 23:00

Instrument :

BNA_E

ClientSampleId :

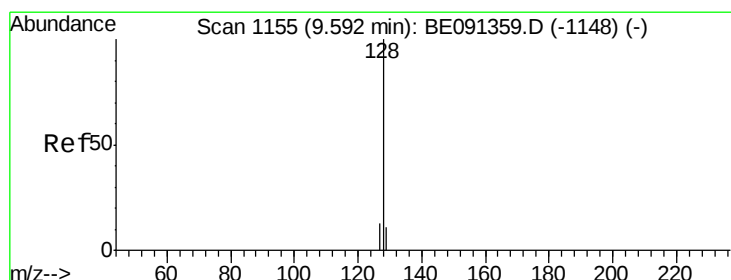
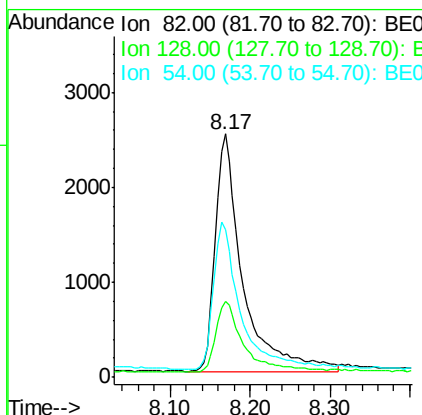
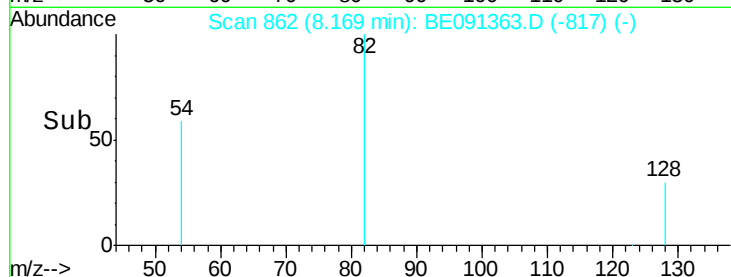
ICVBE011416



Tgt Ion:	82	Resp:	6017
Ion	Ratio	Lower	Upper
82	100		
128	31.4	24.6	36.8
54	60.7	52.7	79.1

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#6

Naphthalene

Concen: 1.06 ng

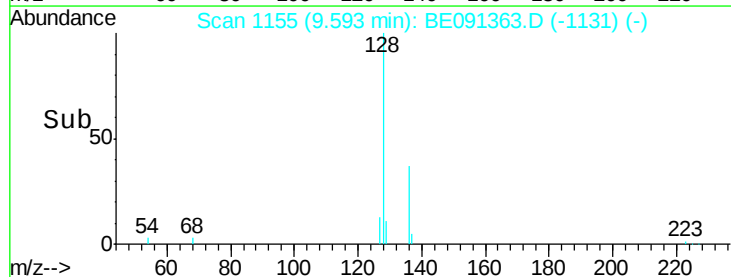
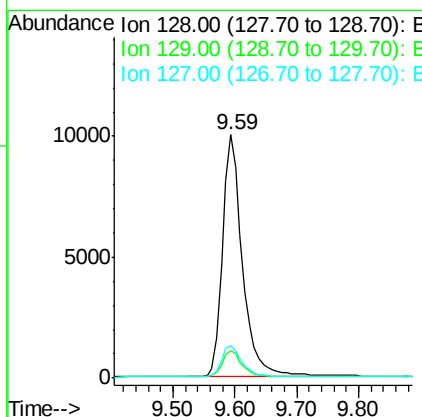
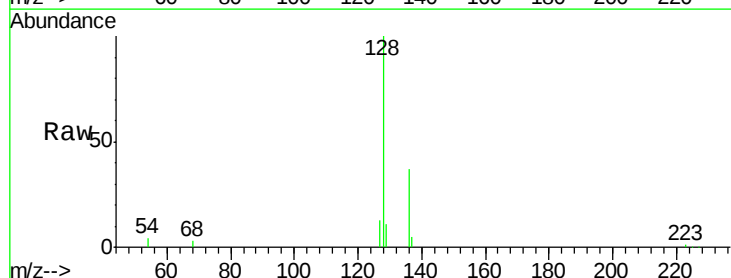
RT: 9.59 min Scan# 1155

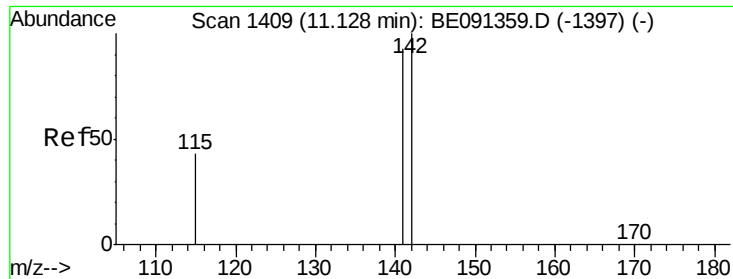
Delta R.T. 0.00 min

Lab File: BE091363.D

Acq: 14 Jan 2016 23:00

Tgt Ion:	128	Resp:	22367
Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.3	13.9
127	13.1	10.6	15.8





#7

2-Methylnaphthalene

Concen: 0.95 ng

RT: 11.14 min Scan# 1411

Delta R.T. 0.01 min

Lab File: BE091363.D

Acq: 14 Jan 2016 23:00

Instrument :

BNA_E

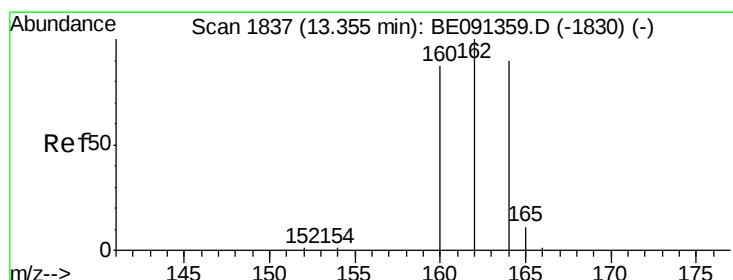
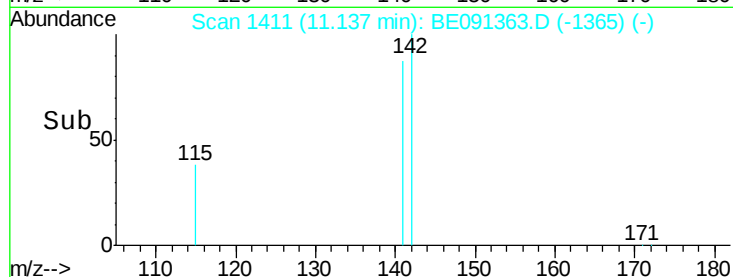
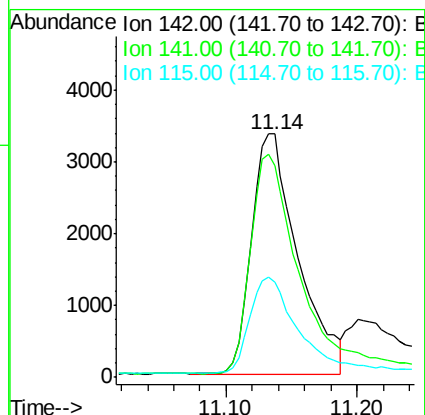
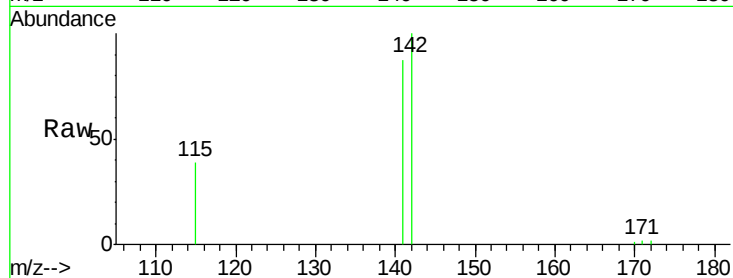
ClientSampleId :

ICVBE011416

Tgt Ion:	142	Resp:	8198
Ion Ratio	Lower	Upper	
142	100		
141	87.0	74.5	111.7
115	38.9	35.2	52.8

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#8

Acenaphthene-d10

Concen: 5.00 ng

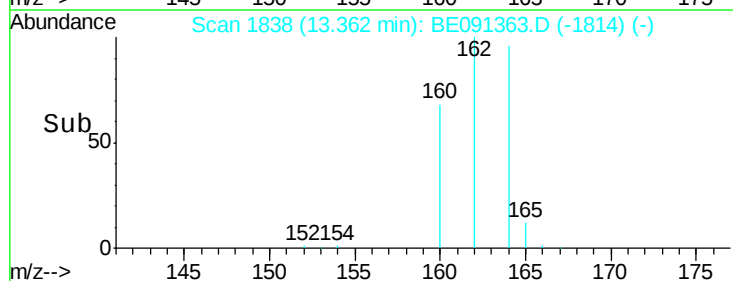
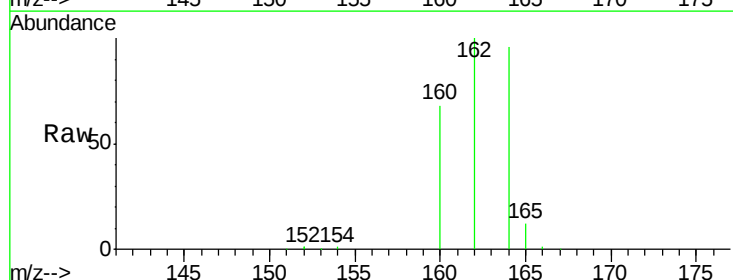
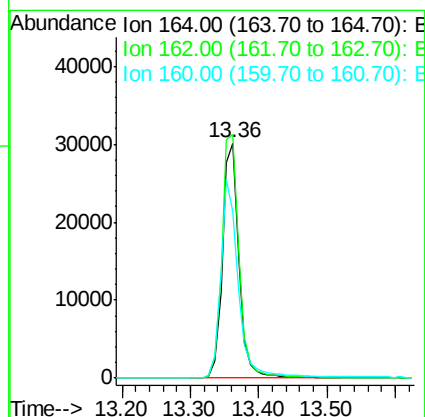
RT: 13.36 min Scan# 1838

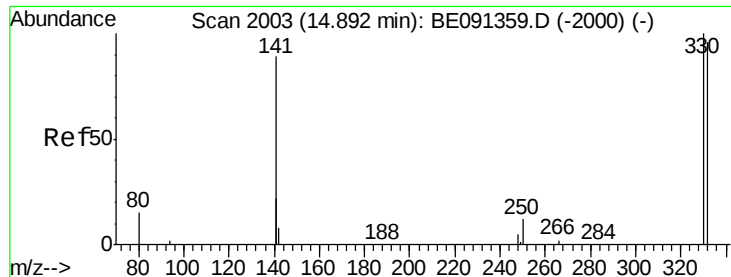
Delta R.T. 0.01 min

Lab File: BE091363.D

Acq: 14 Jan 2016 23:00

Tgt Ion:	164	Resp:	49820
Ion Ratio	Lower	Upper	
164	100		
162	103.7	88.5	132.7
160	70.9	76.7	115.1#





#9

2,4,6-Tribromophenol

Concen: 0.98 ng

RT: 14.89 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BE091363.D

Acq: 14 Jan 2016 23:00

Instrument :

BNA_E

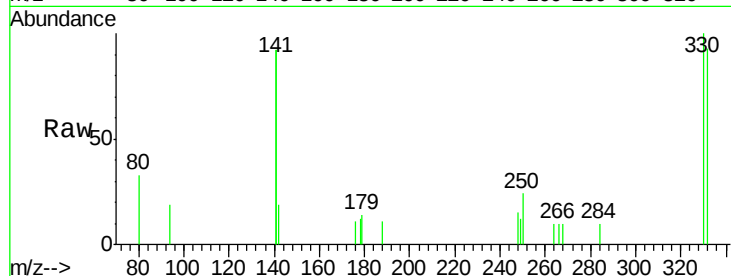
ClientSampleId :

ICVBE011416

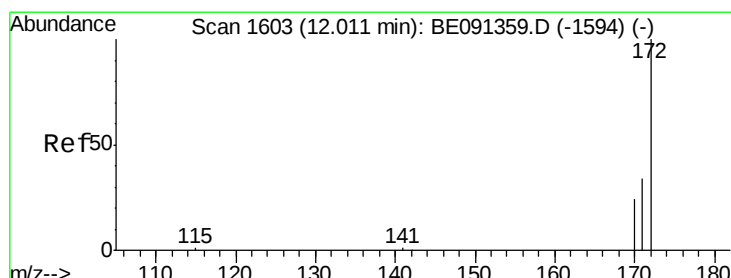
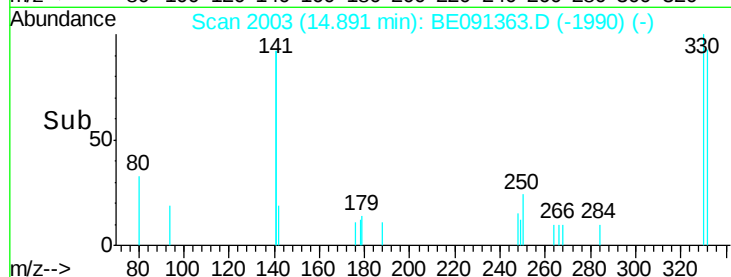
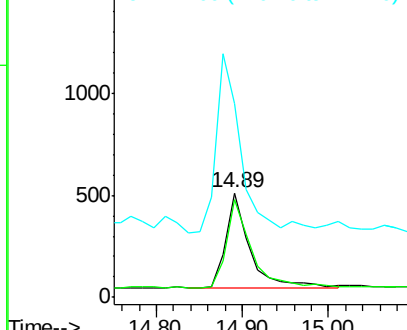
Tgt Ion:	330	Resp:	900
Ion Ratio	Lower	Upper	
330	100		
332	97.2	78.6	118.0
141	195.4	147.8	221.8

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



#10

2-Fluorobiphenyl

Concen: 1.08 ng

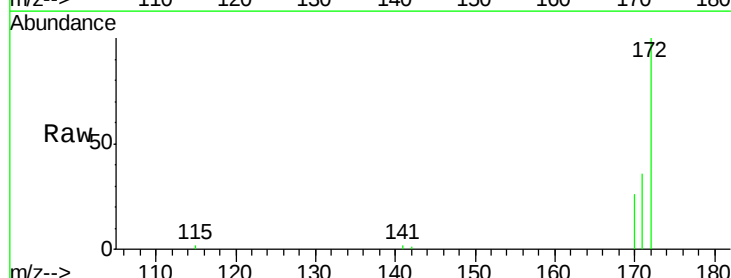
RT: 12.02 min Scan# 1604

Delta R.T. 0.00 min

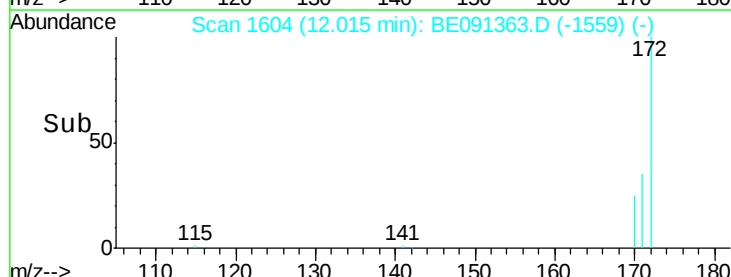
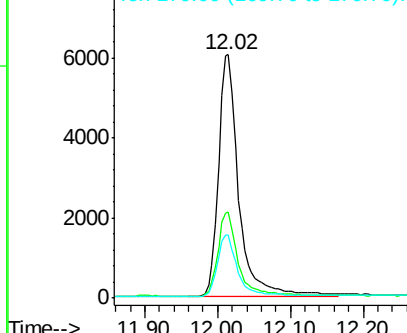
Lab File: BE091363.D

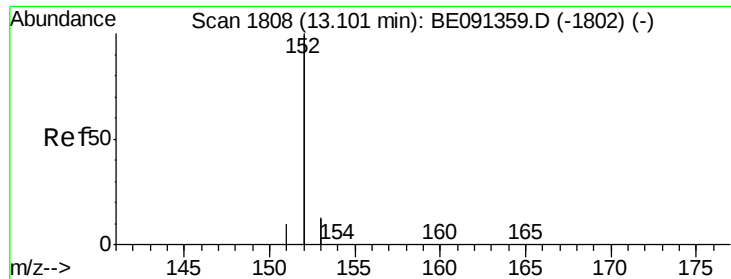
Acq: 14 Jan 2016 23:00

Tgt Ion:	172	Resp:	11612
Ion Ratio	Lower	Upper	
172	100		
171	35.5	27.3	40.9
170	25.8	19.8	29.6



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





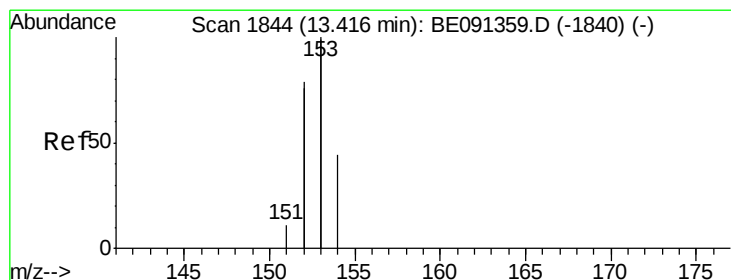
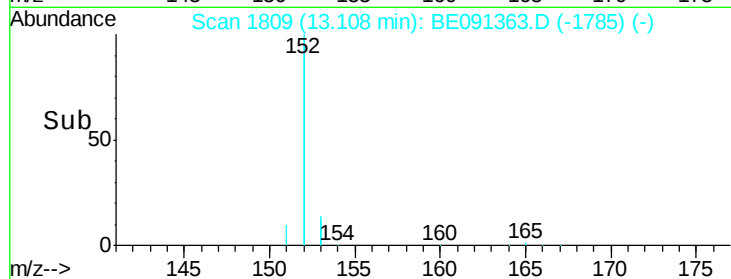
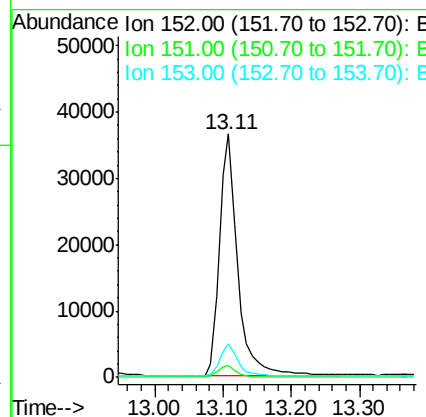
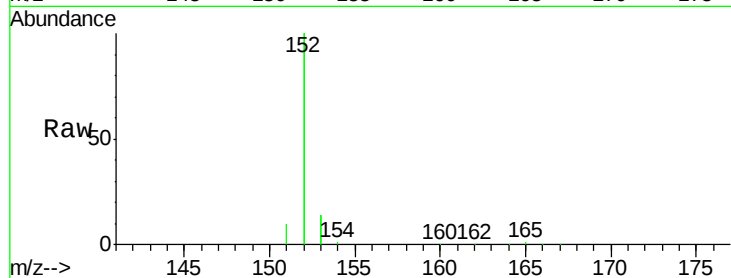
#11
Acenaphthylene
Concen: 0.96 ng
RT: 13.11 min Scan# 1809
Delta R.T. 0.01 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Instrument :
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ClientSampleId :
ICVBE011416

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

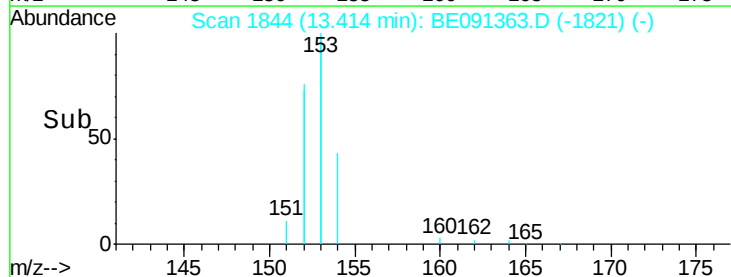
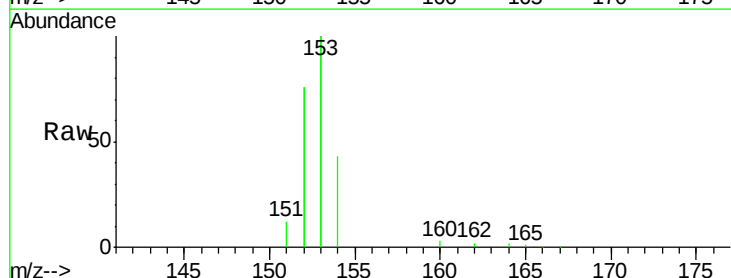
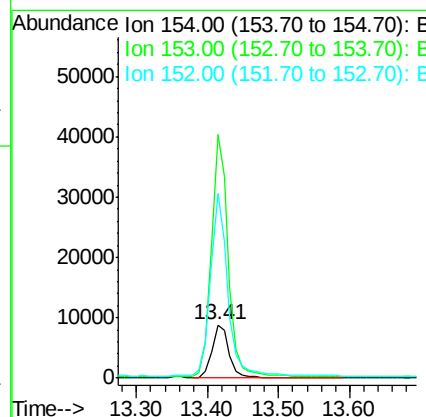
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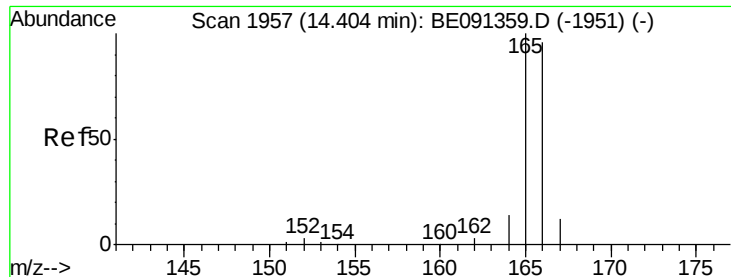
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#12
Acenaphthene
Concen: 1.03 ng
RT: 13.41 min Scan# 1844
Delta R.T. -0.00 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Tgt Ion	Ratio	Lower	Upper
154	100		
153	455.0	370.2	555.4
152	352.4	310.5	465.7





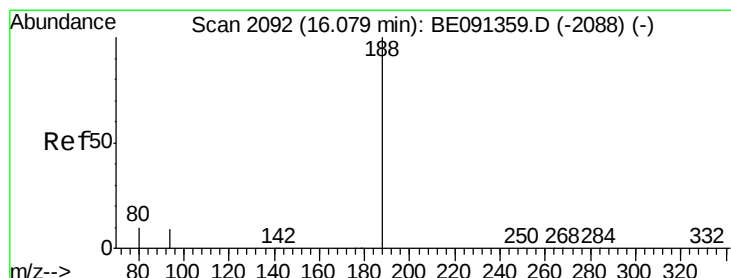
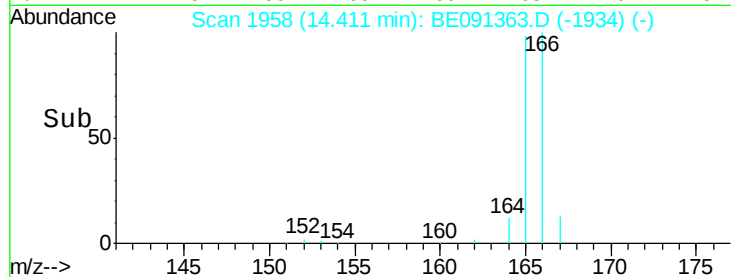
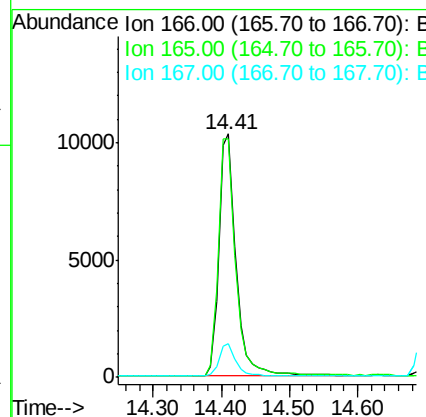
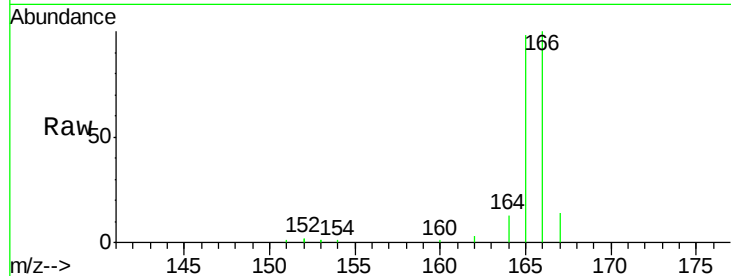
#13
Fluorene
Concen: 1.03 ng
RT: 14.41 min Scan# 1958
Delta R.T. 0.01 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Instrument :
BNA_E
ClientSampleId :
ICVBE011416

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	18117		
165	100.1	83.0	124.6	
167	13.1	11.1	16.7	

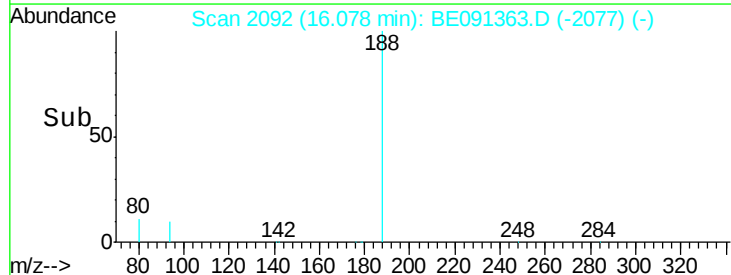
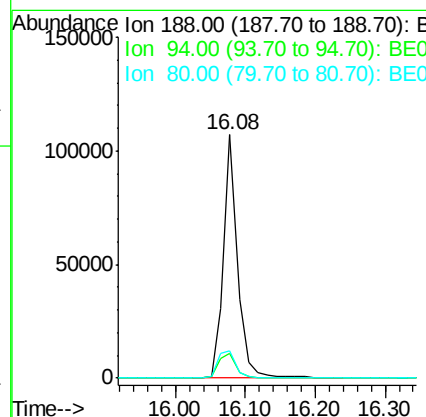
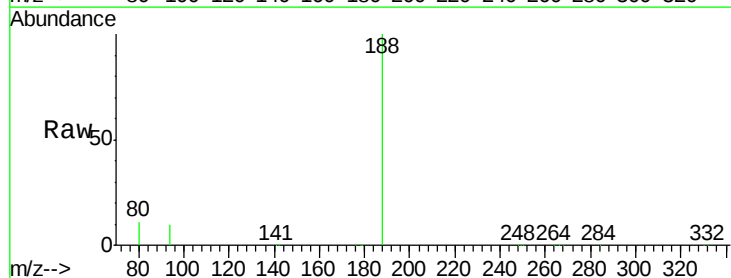
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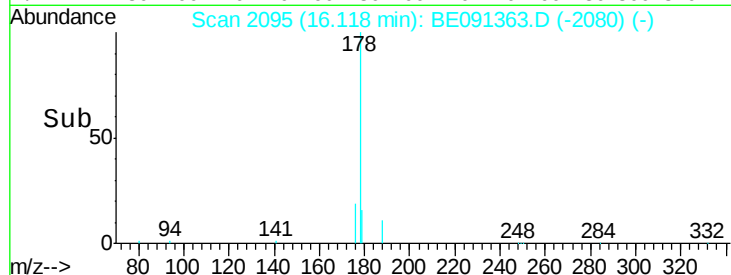
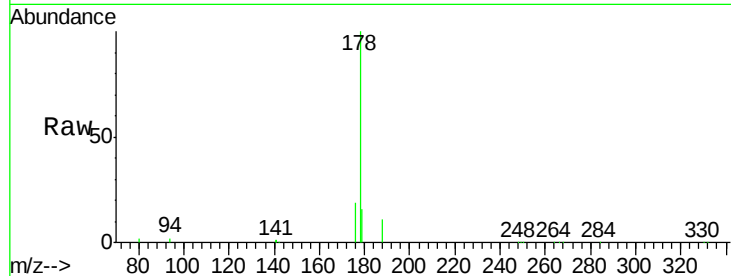
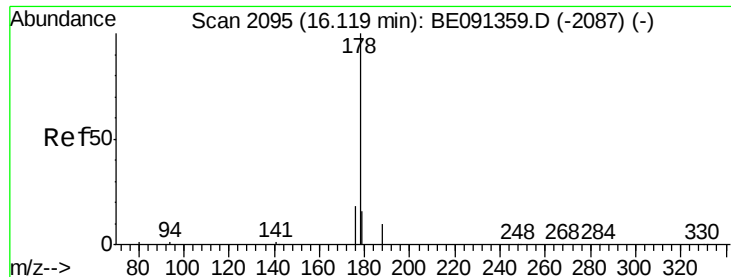
mohammad
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#14
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.08 min Scan# 2092
Delta R.T. -0.00 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	150068		
94	10.3	7.5	11.3	
80	11.4	8.2	12.2	





#15

Phenanthrene

Concen: 1.01 ng

RT: 16.12 min Scan# 2095

Delta R.T. -0.00 min

Lab File: BE091363.D

Acq: 14 Jan 2016 23:00

Tgt Ion:	178	Resp:	37669
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.4	23.2
179	15.9	12.8	19.2

Instrument :

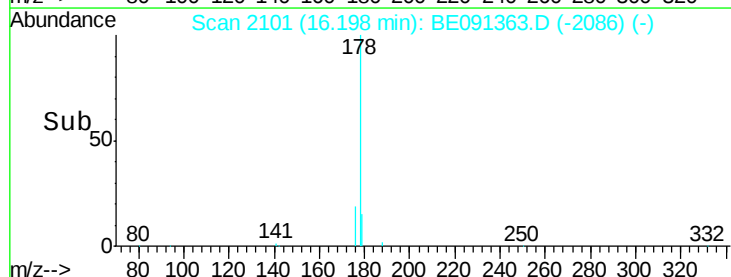
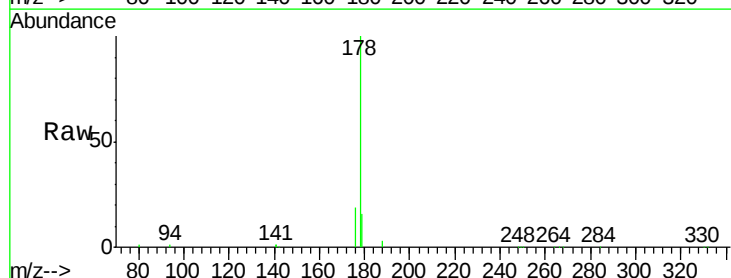
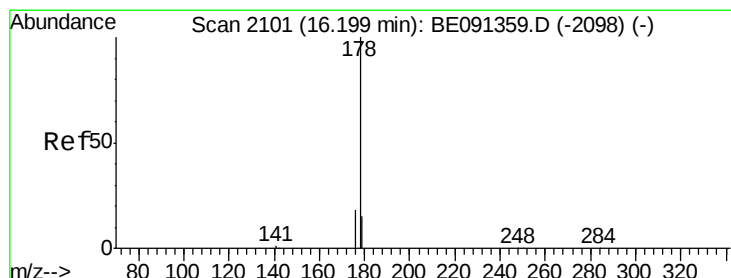
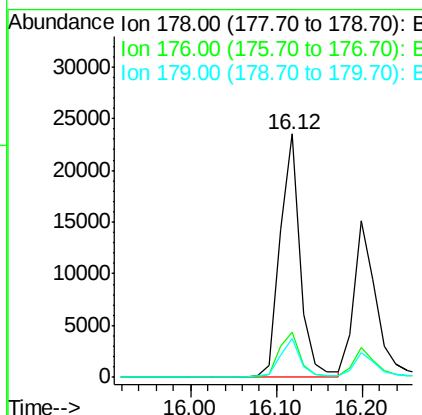
BNA_E

ClientSampleId :

ICVBE011416

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#16

Anthracene

Concen: 0.96 ng

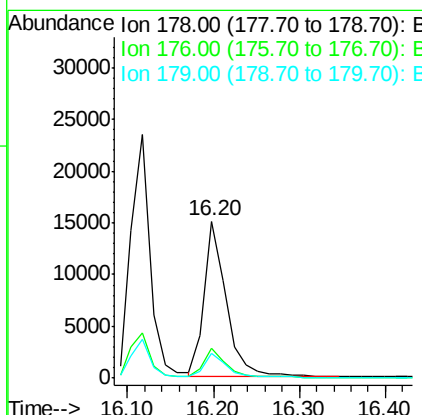
RT: 16.20 min Scan# 2101

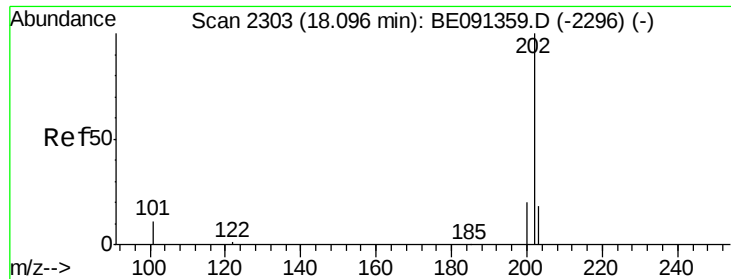
Delta R.T. -0.00 min

Lab File: BE091363.D

Acq: 14 Jan 2016 23:00

Tgt Ion:	178	Resp:	27145
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.0	22.6
179	15.5	12.4	18.6





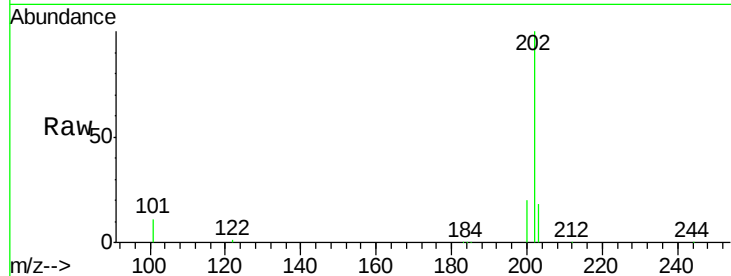
#17
Fluoranthene
 Concen: 0.81 ng
 RT: 18.10 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: BE091363.D
 Acq: 14 Jan 2016 23:00

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE011416

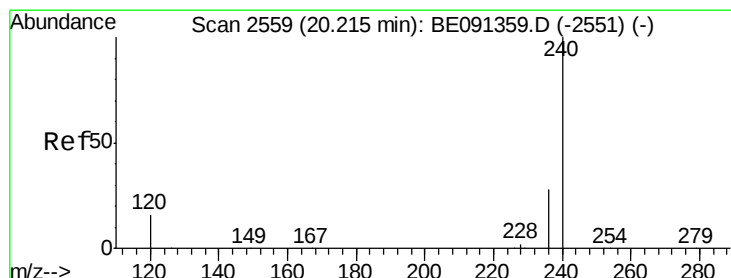
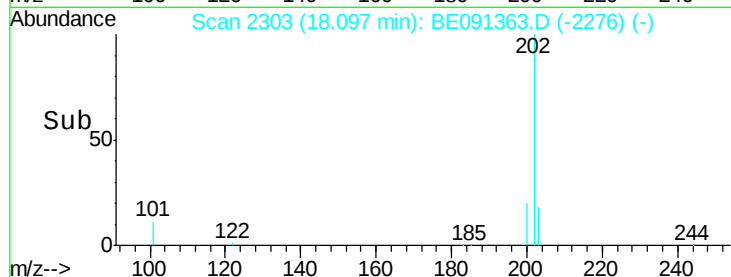
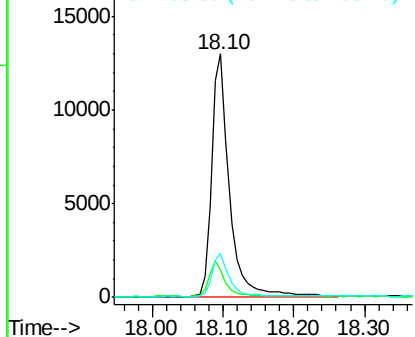
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	13.6	11.0	16.4
203	17.4	13.9	20.9

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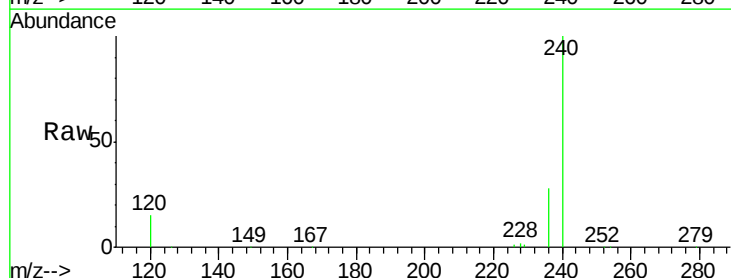


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

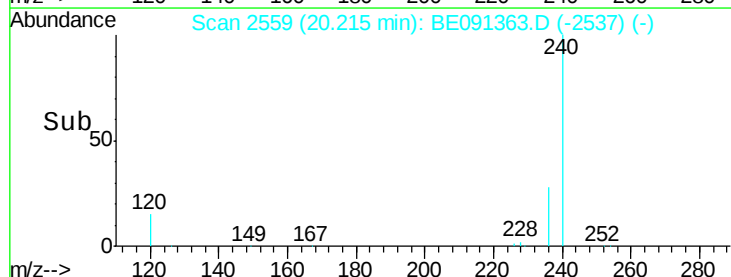
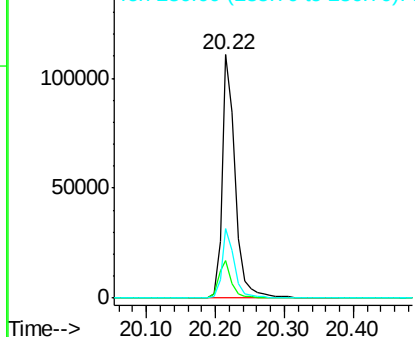


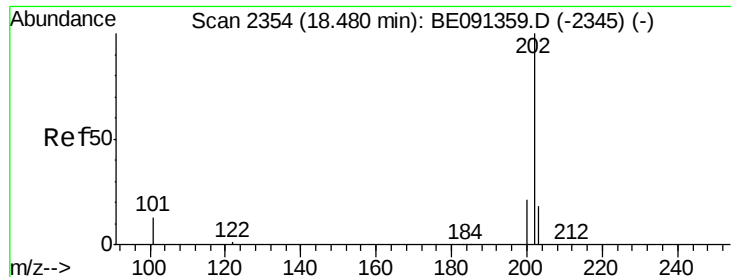
#18
Chrysene-d12
 Concen: 5.00 ng
 RT: 20.22 min Scan# 2559
 Delta R.T. 0.00 min
 Lab File: BE091363.D
 Acq: 14 Jan 2016 23:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	15.3	12.6	19.0
236	28.5	22.7	34.1



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





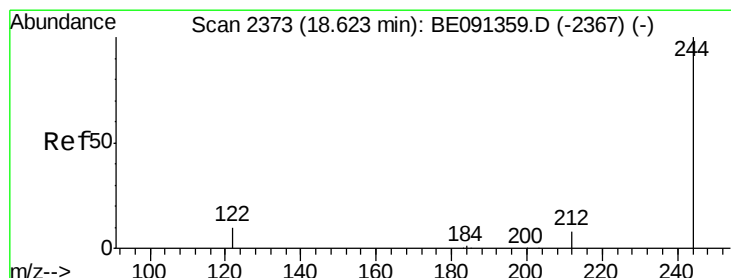
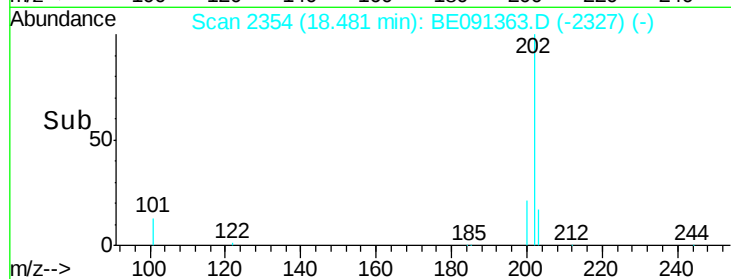
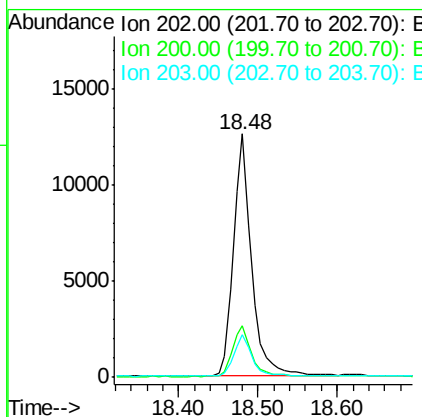
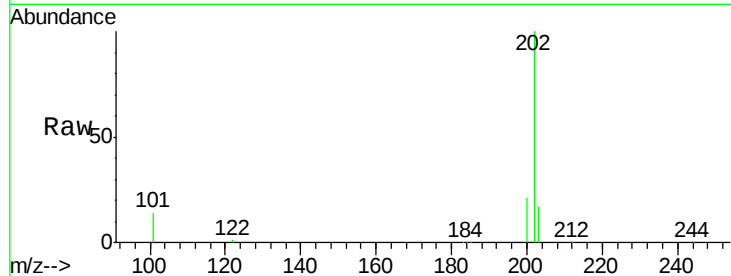
#19
Pyrene
Concen: 0.91 ng
RT: 18.48 min Scan# 2354
Delta R.T. 0.00 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Instrument :
BNA_E
ClientSampleId :
ICVBE011416

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.7	17.2	25.8
203	17.5	14.2	21.4

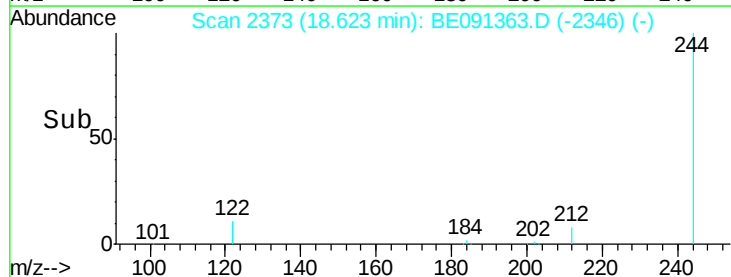
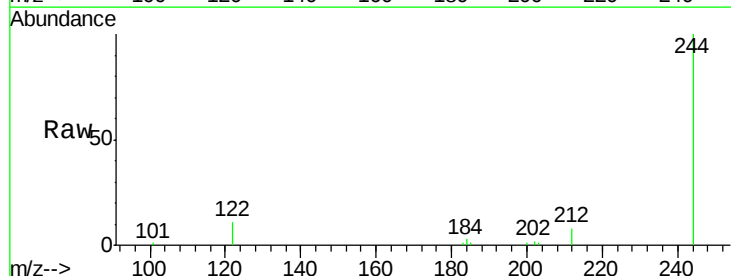
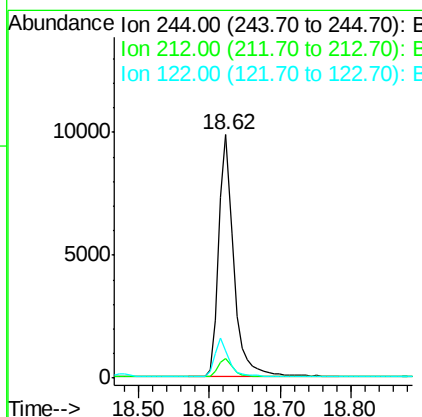
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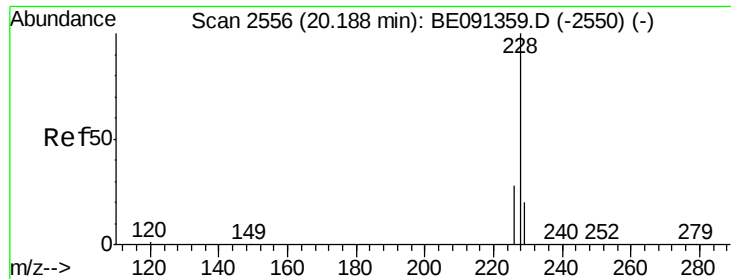
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#20
Terphenyl-d14
Concen: 0.96 ng
RT: 18.62 min Scan# 2373
Delta R.T. 0.00 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.3	7.0	10.4
122	11.4	8.5	12.7





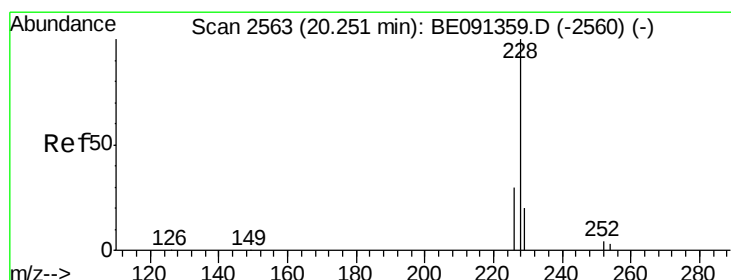
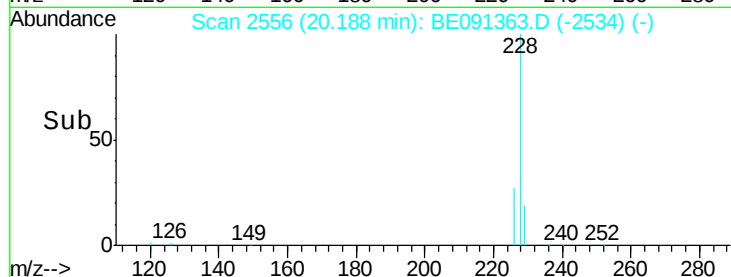
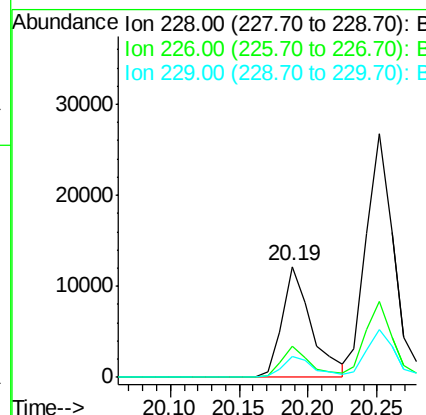
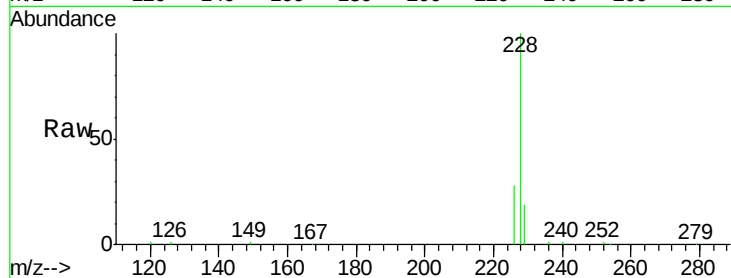
#21
Benzo(a)anthracene
Concen: 0.90 ng
RT: 20.19 min Scan# 2556
Delta R.T. 0.00 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Instrument :
BNA_E
ClientSampleId :
ICVBE011416

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.5	33.7
229	19.2	16.2	24.4

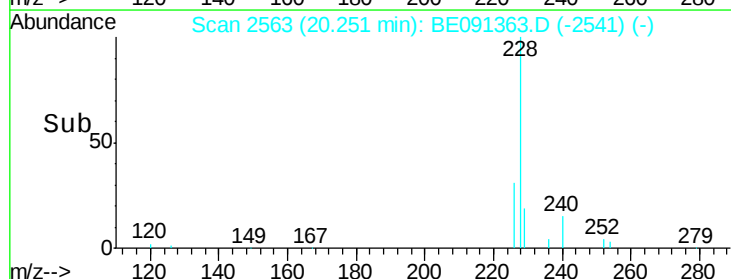
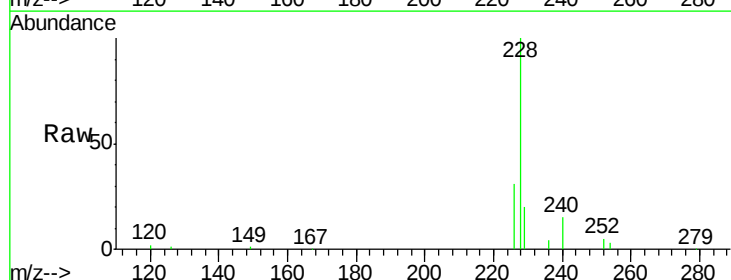
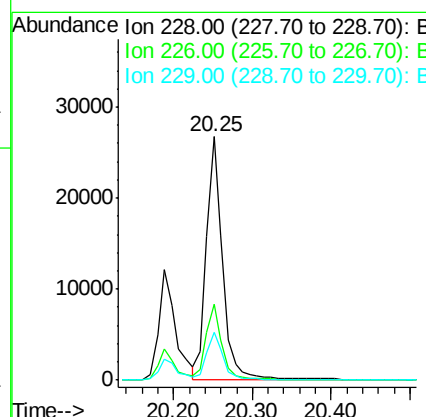
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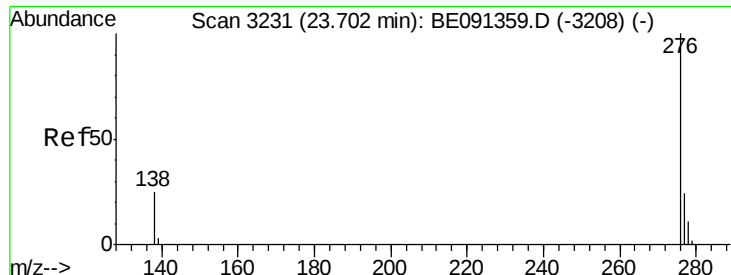
mohammad
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#22
Chrysene
Concen: 1.06 ng
RT: 20.25 min Scan# 2563
Delta R.T. 0.00 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.7	35.5
229	19.6	16.0	24.0





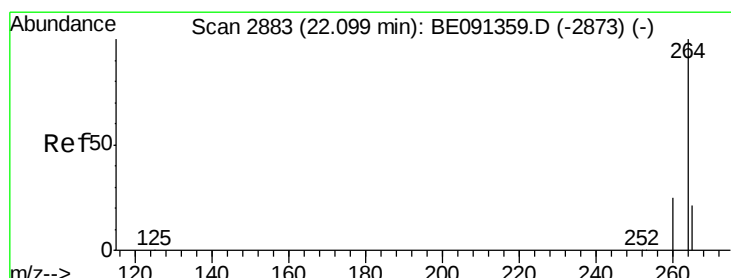
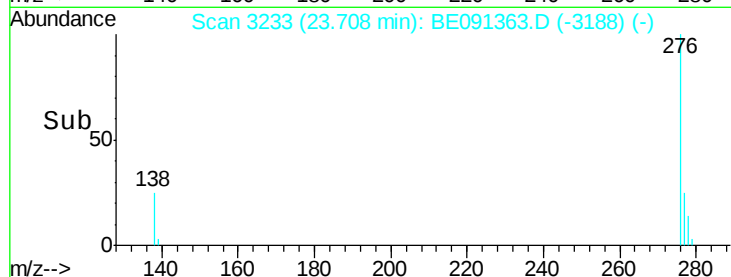
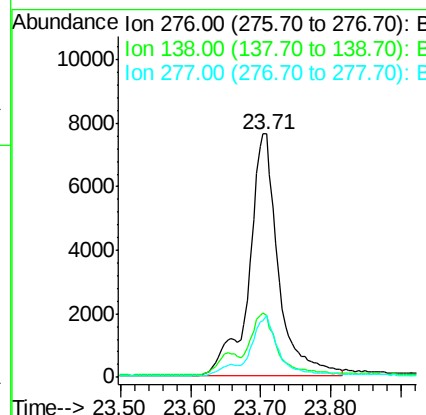
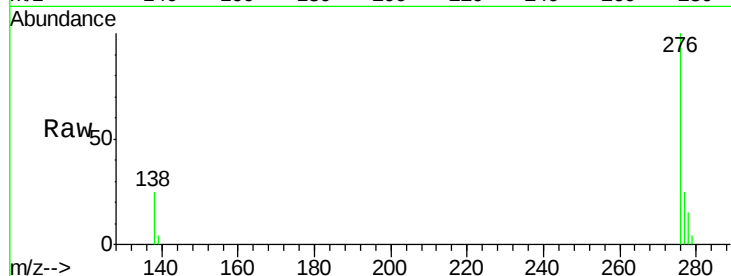
#23
Indeno(1,2,3-cd)pyrene
Concen: 0.93 ng m
RT: 23.71 min Scan# 3233
Delta R.T. 0.01 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Instrument :
BNA_E
ClientSampleId :
ICVBE011416

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.0	18.6	27.8
277	21.3	16.5	24.7

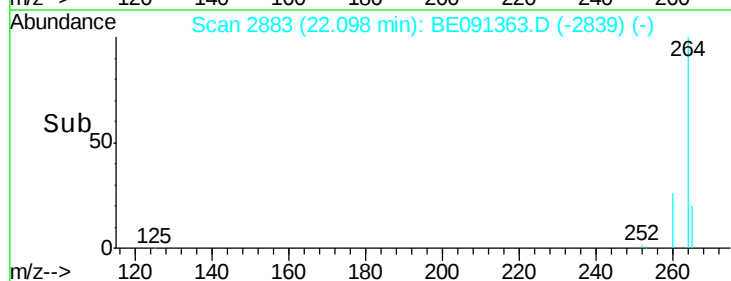
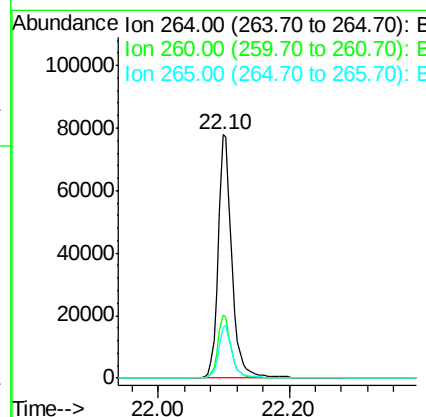
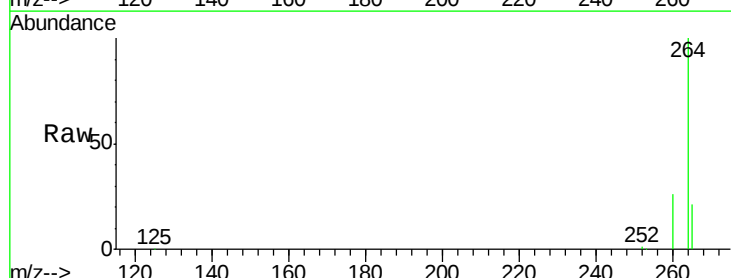
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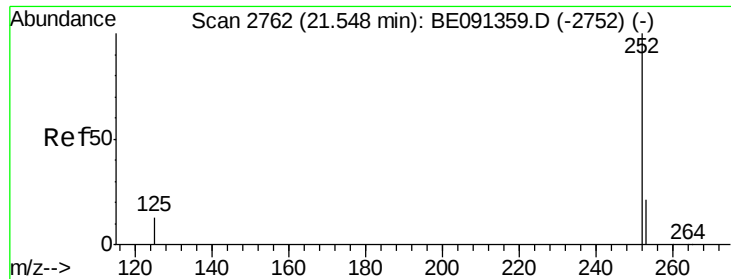
mohammad
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#24
Perylene-d12
Concen: 5.00 ng
RT: 22.10 min Scan# 2883
Delta R.T. -0.00 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.4	30.6
265	20.7	17.2	25.8





#25

Benzo(b)fluoranthene

Concen: 0.99 ng

RT: 21.55 min Scan# 2763

Delta R.T. 0.00 min

Lab File: BE091363.D

Acq: 14 Jan 2016 23:00

Instrument :

BNA_E

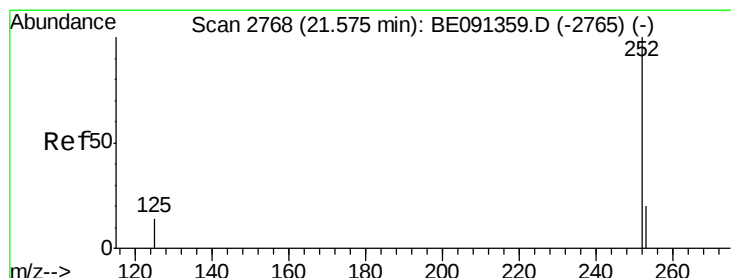
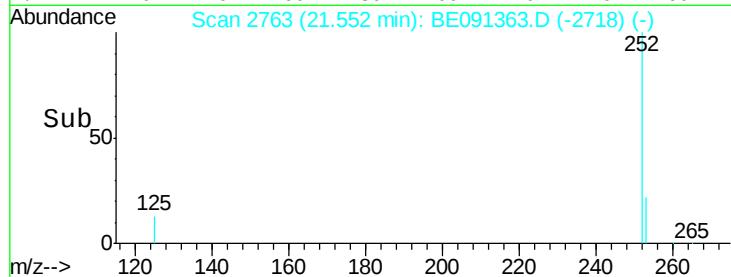
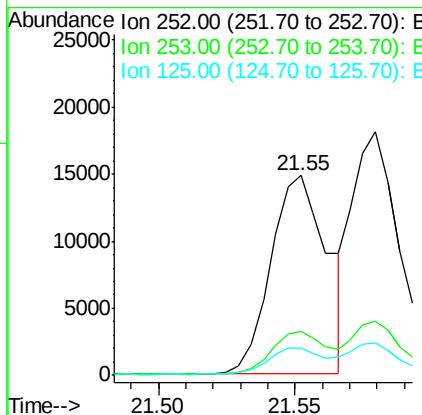
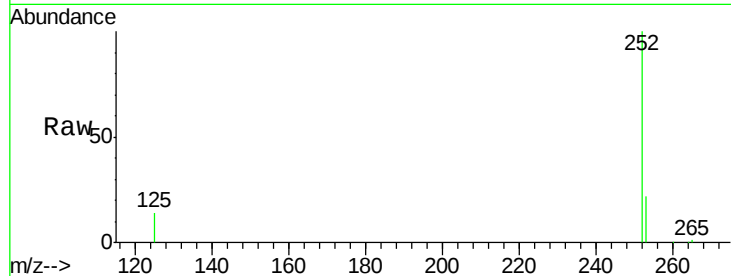
ClientSampleId :

ICVBE011416

Tgt Ion:	252	Resp:	21320
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.4	26.2
125	13.7	11.0	16.6

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#26

Benzo(k)fluoranthene

Concen: 0.98 ng

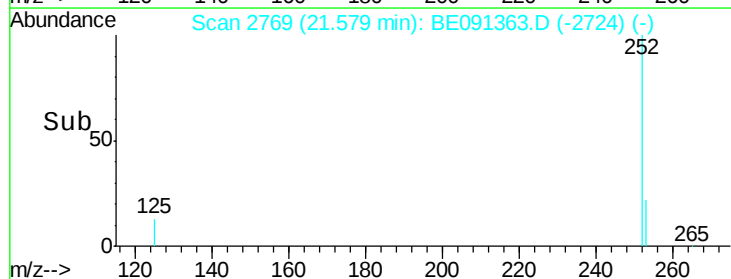
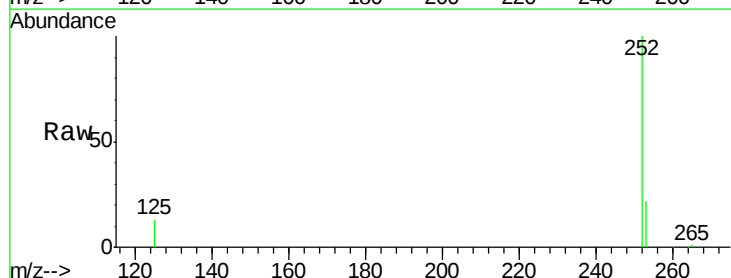
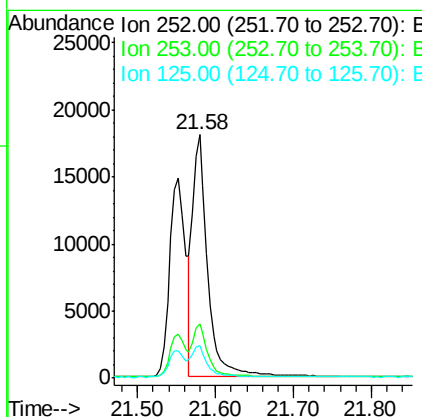
RT: 21.58 min Scan# 2769

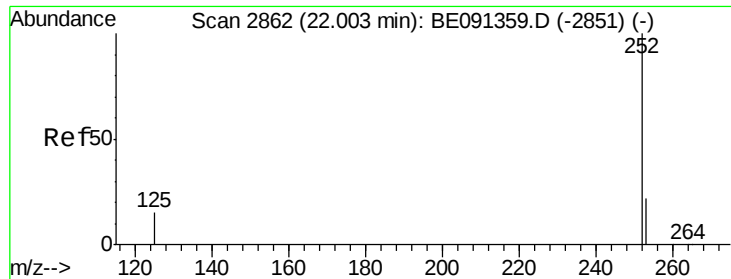
Delta R.T. 0.00 min

Lab File: BE091363.D

Acq: 14 Jan 2016 23:00

Tgt Ion:	252	Resp:	24133
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.5	26.3
125	13.2	11.3	16.9





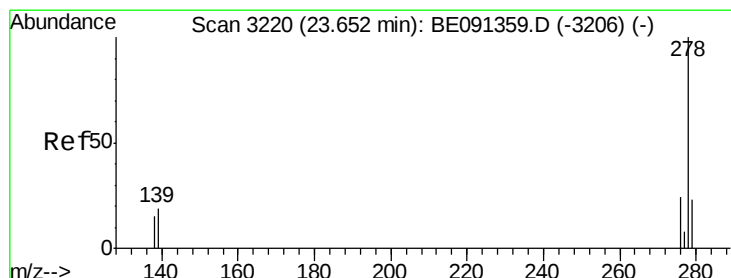
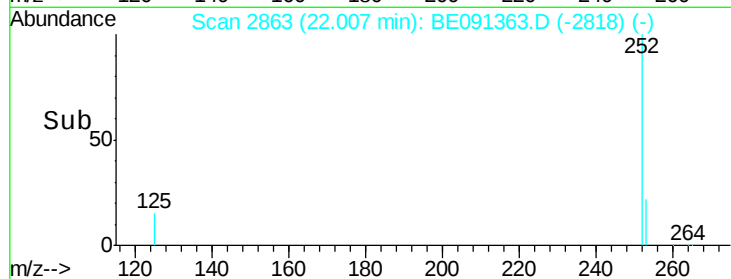
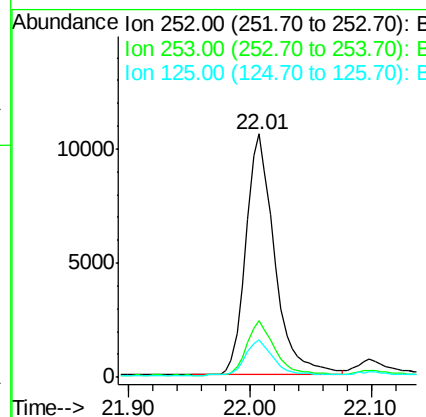
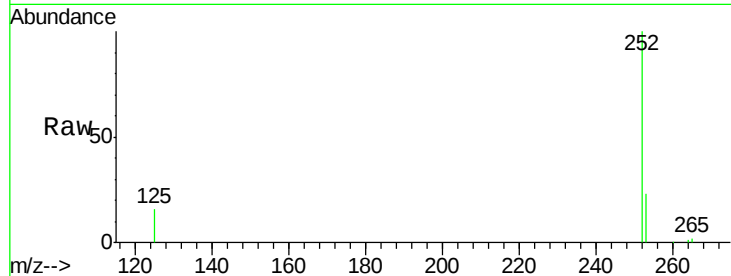
#27
Benzo(a)pyrene
Concen: 0.86 ng
RT: 22.01 min Scan# 2863
Delta R.T. 0.00 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Instrument :
BNA_E
ClientSampleId :
ICVBE011416

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	15.6	12.2	18.4

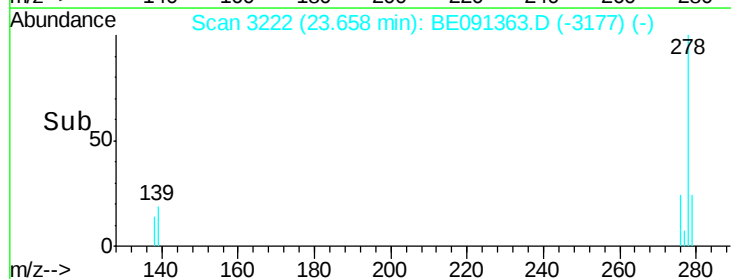
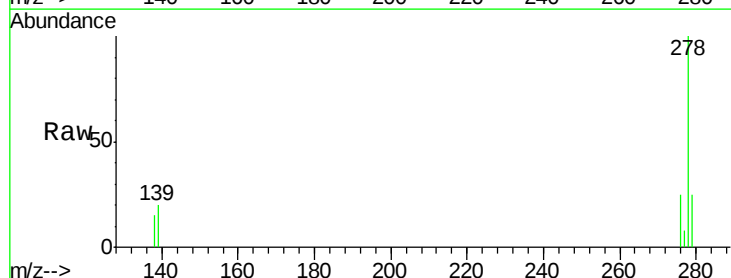
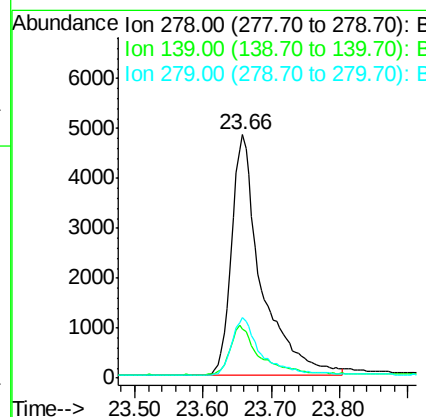
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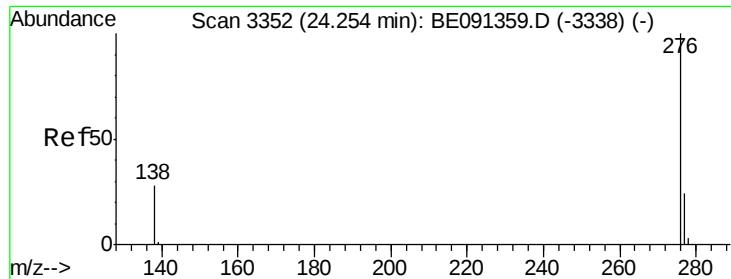
mohammad
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#28
Dibenzo(a,h)anthracene
Concen: 0.97 ng
RT: 23.66 min Scan# 3222
Delta R.T. 0.01 min
Lab File: BE091363.D
Acq: 14 Jan 2016 23:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.4	16.3	24.5
279	24.7	19.4	29.2





#29

Benzo(g,h,i)perylene

Concen: 0.95 ng

RT: 24.25 min Scan# 3352

Delta R.T. -0.00 min

Lab File: BE091363.D

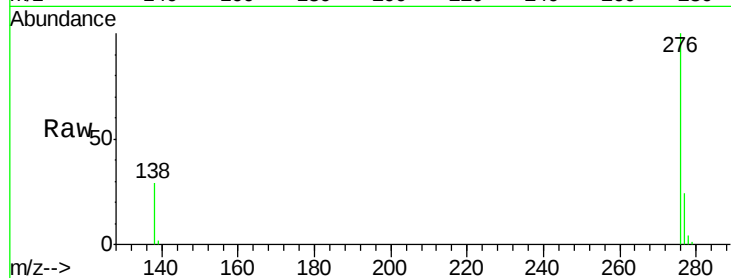
Acq: 14 Jan 2016 23:00

Instrument :

BNA_E

ClientSampleId :

ICVBE011416



Tgt	Ion	276	Resp:	17805
Ion	Ratio	Lower	Upper	
276	100			
277	24.0	19.8	29.6	
138	28.5	23.3	34.9	

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