

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061215\
 Data File : BM001654.D
 Acq On : 11 Jun 2015 22:48
 Operator : TP/IZ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.8

Manual Integrations
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Quant Time: Jun 12 02:16:58 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM061215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 12 02:07:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	17301	5.00	ng	0.00
6) Naphthalene-d8	10.47	136	63556	5.00	ng	0.00
12) Acenaphthene-d10	14.34	164	32634	5.00	ng	0.00
18) Phenanthrene-d10	17.09	188	40123	5.00	ng	0.03
25) Chrysene-d12	21.27	240	65237	5.00	ng	0.00
32) Perylene-d12	23.50	264	53912	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.27	112	3464	0.88	ng	0.00
5) Phenol-d6	6.84	99	4251	0.87	ng	0.00
7) Nitrobenzene-d5	8.85	82	4014	0.89	ng	0.00
13) 2,4,6-Tribromophenol	15.83	330	1095	0.84	ng	0.00
14) 2-Fluorobiphenyl	12.96	172	9470	0.89	ng	0.00
27) Terphenyl-d14	19.72	244	8223	0.95	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.21	88	1714	0.89	ng	99
3) n-Nitrosodimethylamine	3.51	42	2649	0.96	ng	97
8) Nitrobenzene	8.89	77	4315	0.89	ng	100
9) Naphthalene	10.52	128	12985	0.91	ng	99
10) Hexachlorobutadiene	10.80	225	2119	0.87	ng	100
11) 2-Methylnaphthalene	12.15	142	8317	0.94	ng	99
15) Acenaphthylene	14.06	152	12639	0.86	ng	100
16) Acenaphthene	14.40	154	7891	0.86	ng	99
17) Fluorene	15.36	166	8114	1.20	ng	100
19) 4-Bromophenyl-phenylether	16.27	248	3495	0.91	ng	# 99
20) Hexachlorobenzene	16.38	284	3102	1.32	ng	# 83
21) Pentachlorophenol	16.72	266	870	1.19	ng	96
22) Phenanthrene	17.12	178	11306	0.82	ng	# 66
23) Anthracene	17.19	178	13756m	1.42	ng	
24) Fluoranthene	19.14	202	17476	1.09	ng	100
26) Pyrene	19.50	202	18418	0.86	ng	100
28) Benzo(a)anthracene	21.25	228	17152	0.89	ng	99
29) Chrysene	21.30	228	16369	0.90	ng	98
30) Bis(2-ethylhexyl)phthalate	21.18	149	9545	0.85	ng	100
31) Indeno(1,2,3-cd)pyrene	25.75	276	12306	0.69	ng	100
33) Benzo(b)fluoranthene	22.82	252	14219	0.87	ng	99
34) Benzo(k)fluoranthene	22.88	252	14635	0.93	ng	95
35) Benzo(a)pyrene	23.41	252	12138	0.85	ng	95
36) Dibenzo(a,h)anthracene	25.77	278	9639	0.75	ng	99
37) Benzo(g,h,i)perylene	26.44	276	10523	0.76	ng	99

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

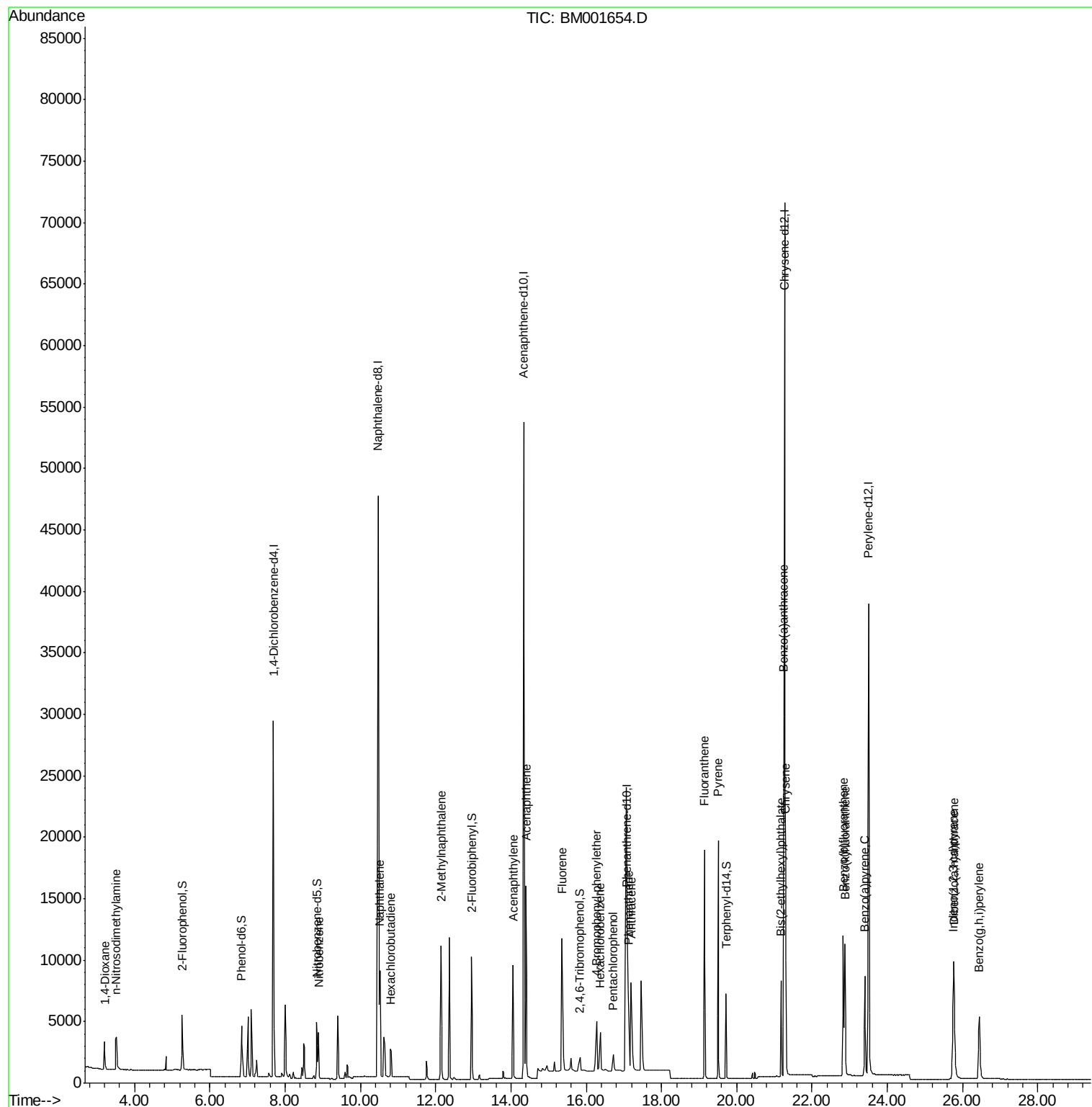
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061215\
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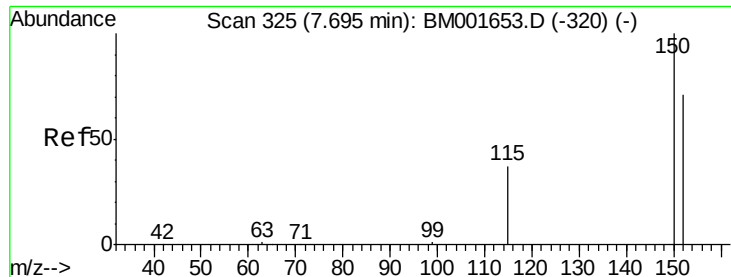
Instrument :
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SSTDICC0.8

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QLast Update : Fri Jun 12 02:07:30 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.69 min Scan# 325

Delta R.T. -0.00 min

Lab File: BM001654.D

Acq: 11 Jun 2015 22:48

Instrument :

BNA_M

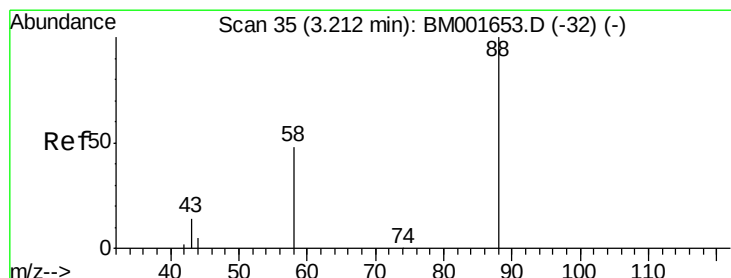
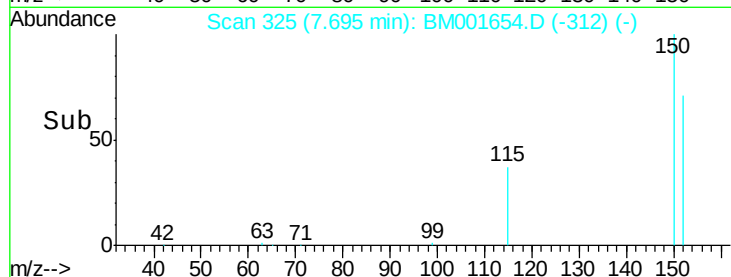
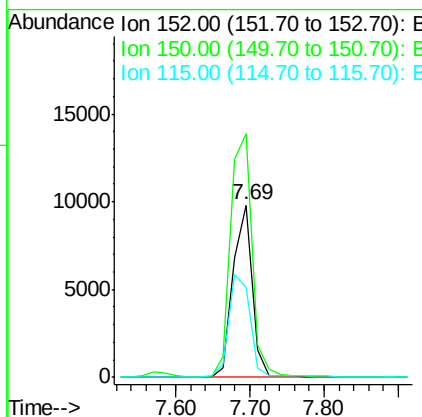
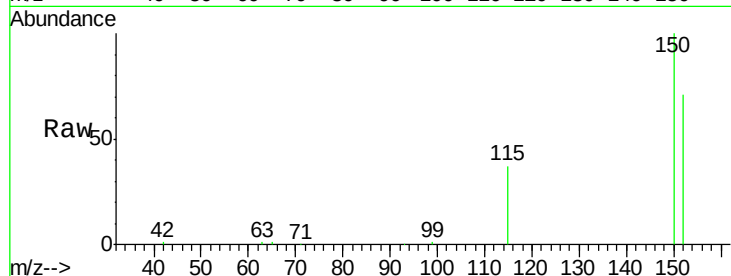
ClientSampleId :

SSTDIC0.8

Tgt Ion:	152	Resp:	17301
Ion Ratio	Lower	Upper	
152	100		
150	141.1	112.2	168.2
115	51.9	41.7	62.5

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#2

1,4-Dioxane

Concen: 0.89 ng

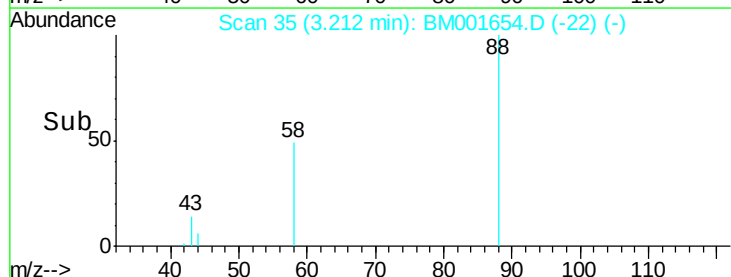
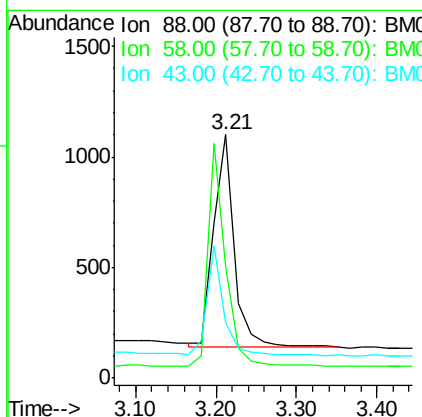
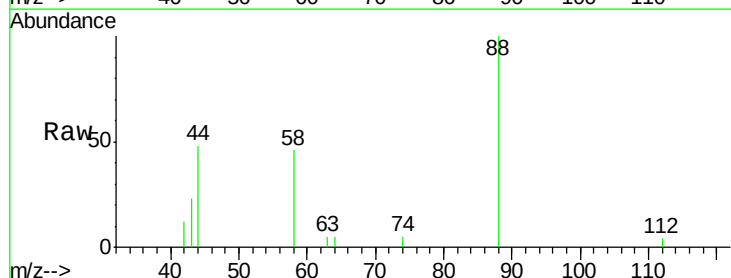
RT: 3.21 min Scan# 35

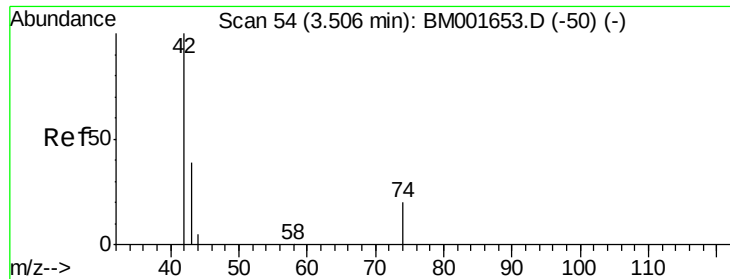
Delta R.T. -0.00 min

Lab File: BM001654.D

Acq: 11 Jun 2015 22:48

Tgt Ion:	88	Resp:	1714
Ion Ratio	Lower	Upper	
88	100		
58	87.7	70.5	105.7
43	42.5	33.3	49.9





#3

n-Nitrosodimethylamine

Concen: 0.96 ng

RT: 3.51 min Scan# 54

Delta R.T. -0.00 min

Lab File: BM001654.D

Acq: 11 Jun 2015 22:48

Instrument :

BNA_M

ClientSampleId :

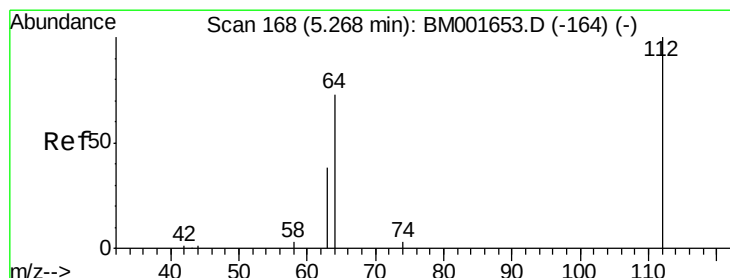
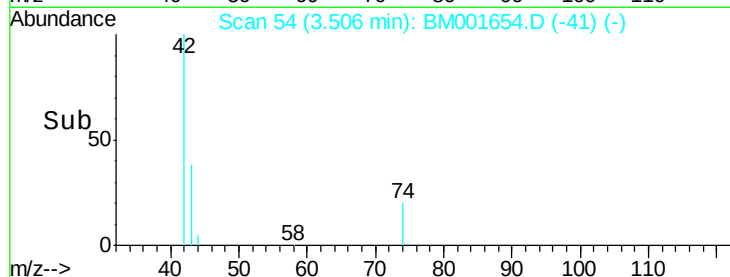
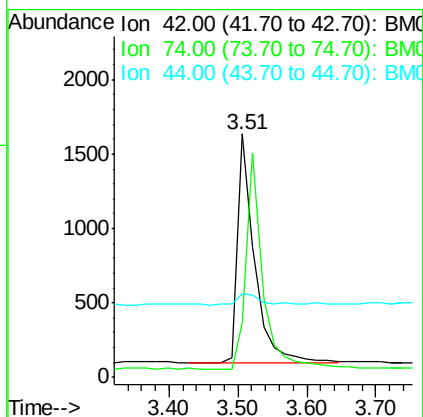
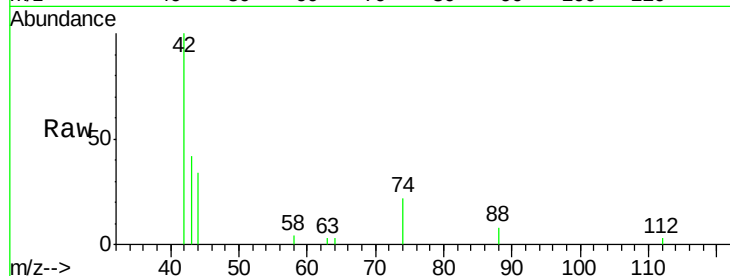
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Tgt Ion:	42	Resp:	2649
Ion	Ratio	Lower	Upper
42	100		
74	91.6	75.7	113.5
44	6.9	6.7	10.1



#4

2-Fluorophenol

Concen: 0.88 ng

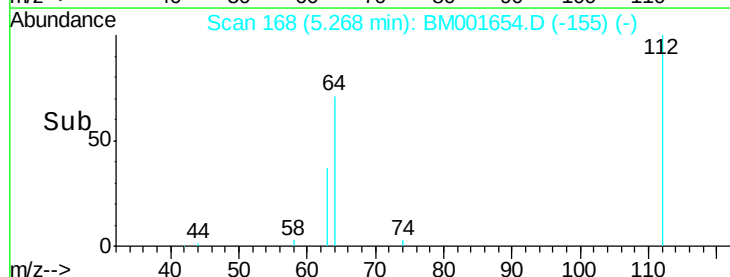
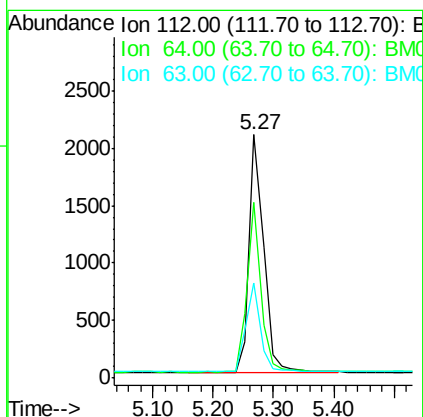
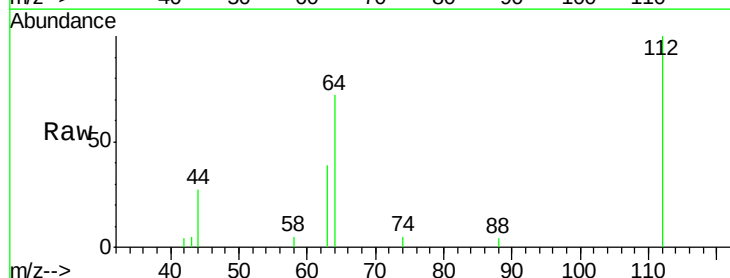
RT: 5.27 min Scan# 168

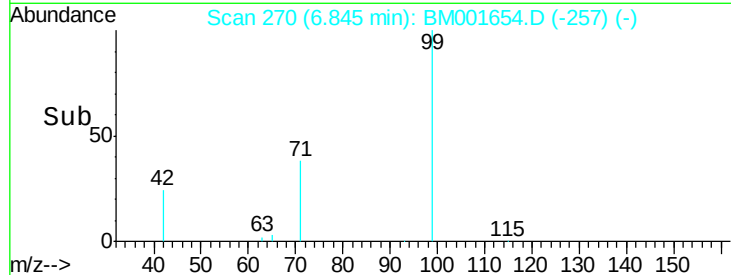
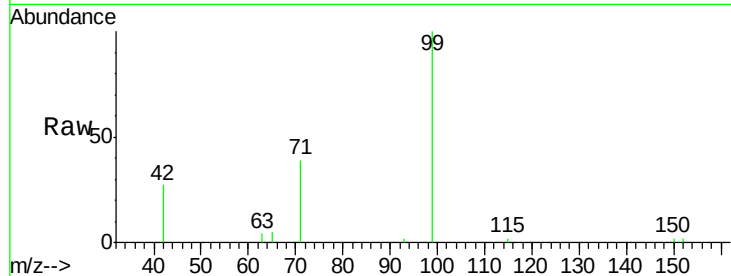
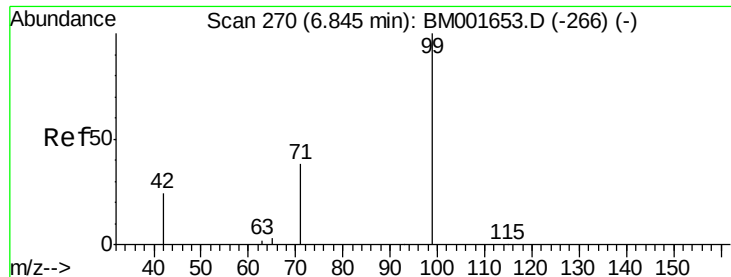
Delta R.T. -0.00 min

Lab File: BM001654.D

Acq: 11 Jun 2015 22:48

Tgt Ion:	112	Resp:	3464
Ion	Ratio	Lower	Upper
112	100		
64	68.2	55.5	83.3
63	37.8	29.9	44.9





#5

Phenol-d6

Concen: 0.87 ng

RT: 6.84 min Scan# 270

Delta R.T. -0.00 min

Lab File: BM001654.D

Acq: 11 Jun 2015 22:48

Tgt Ion:	99	Resp:	4251
Ion Ratio	Lower	Upper	
99	100		
42	26.7	21.6	32.4
71	35.7	28.7	43.1

Instrument :

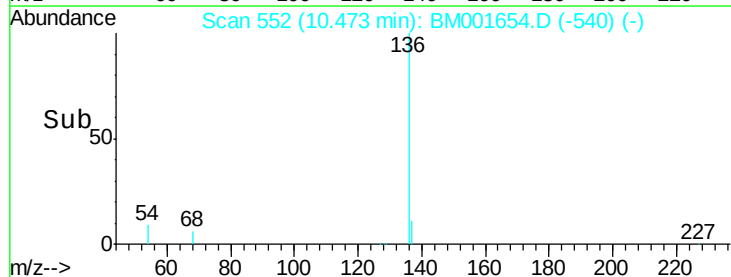
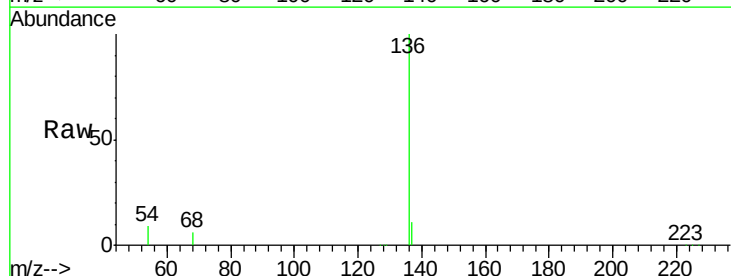
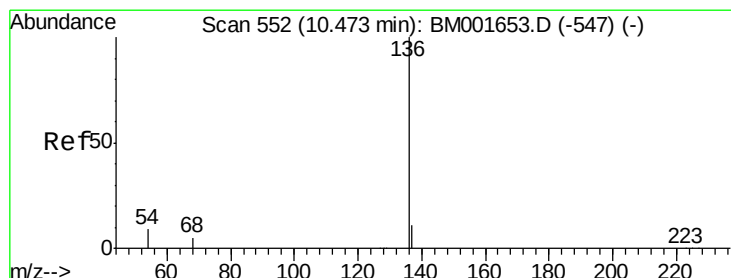
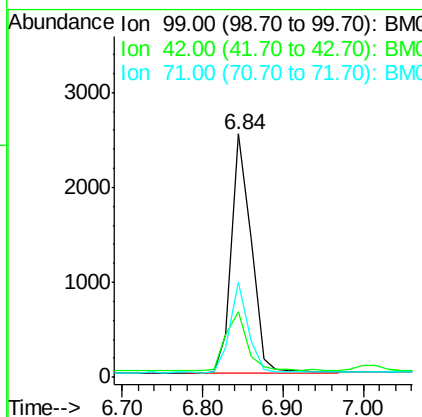
BNA_M

ClientSampleId :

SSTDICC0.8

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#6

Naphthalene-d8

Concen: 5.00 ng

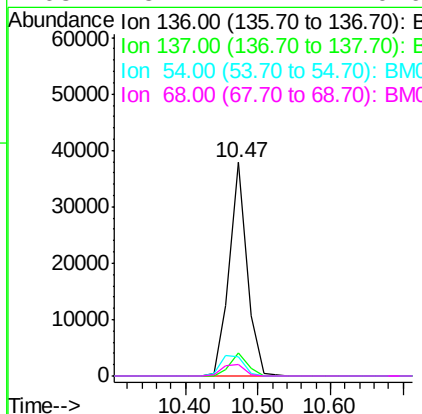
RT: 10.47 min Scan# 552

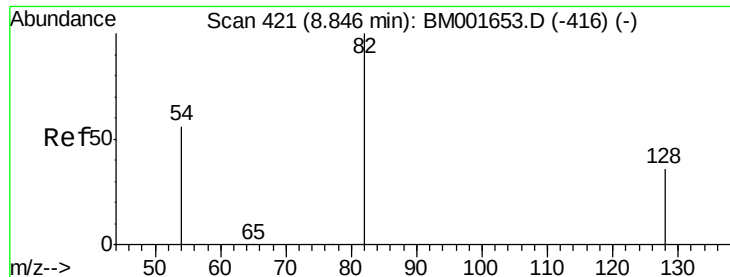
Delta R.T. -0.00 min

Lab File: BM001654.D

Acq: 11 Jun 2015 22:48

Tgt Ion:	136	Resp:	63556
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.7	13.1
54	8.8	6.9	10.3
68	5.7	4.4	6.6





#7

Nitrobenzene-d5

Concen: 0.89 ng

RT: 8.85 min Scan# 421

Delta R.T. -0.00 min

Lab File: BM001654.D

Acq: 11 Jun 2015 22:48

Instrument :

BNA_M

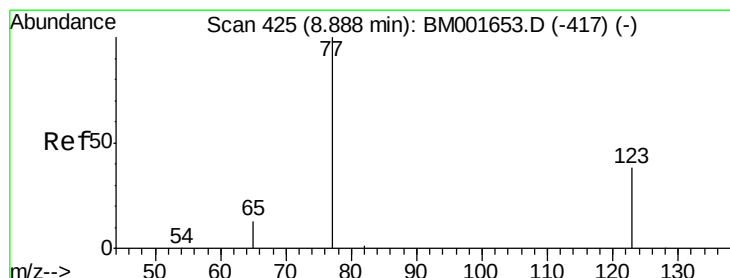
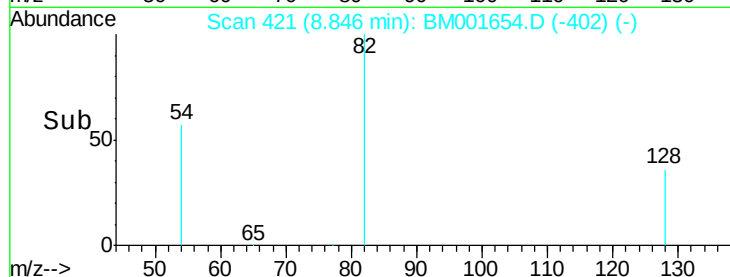
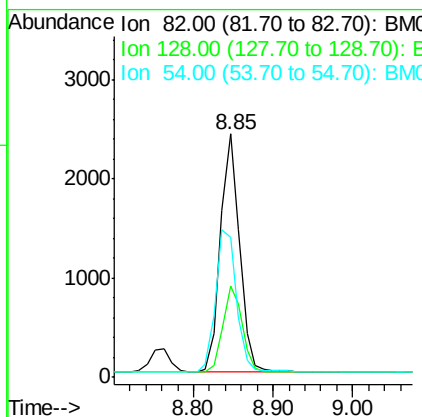
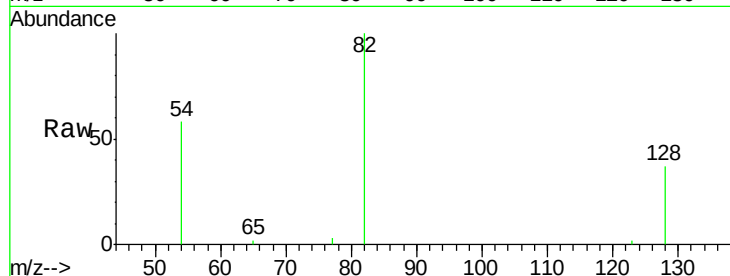
ClientSampleId :

SSTDIC0.8

Tgt Ion:	82	Resp:	4014
Ion	Ratio	Lower	Upper
82	100		
128	37.3	29.7	44.5
54	57.6	45.1	67.7

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#8

Nitrobenzene

Concen: 0.89 ng

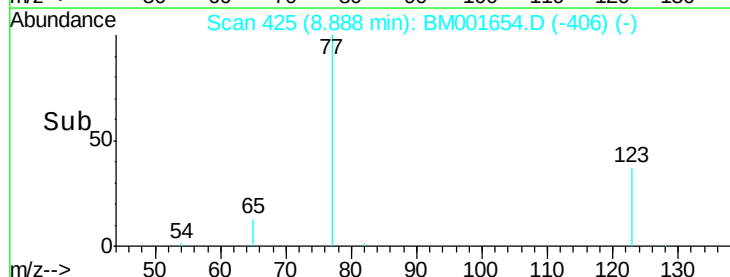
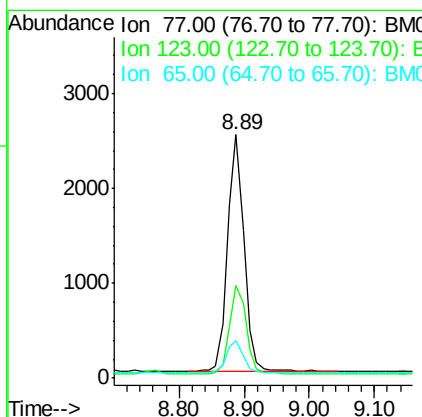
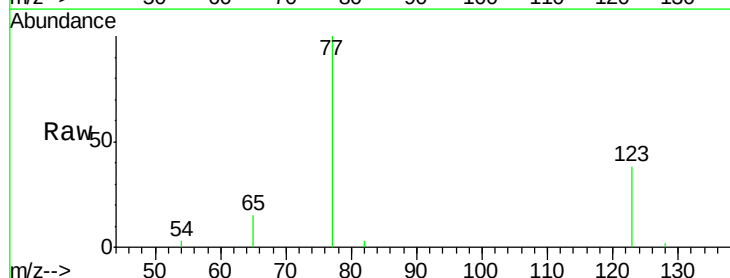
RT: 8.89 min Scan# 425

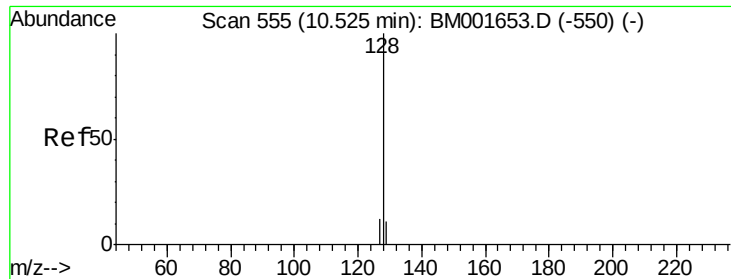
Delta R.T. -0.00 min

Lab File: BM001654.D

Acq: 11 Jun 2015 22:48

Tgt Ion:	77	Resp:	4315
Ion	Ratio	Lower	Upper
77	100		
123	38.1	30.3	45.5
65	14.2	11.2	16.8





#9

Naphthalene

Concen: 0.91 ng

RT: 10.52 min Scan# 555

Delta R.T. -0.00 min

Lab File: BM001654.D

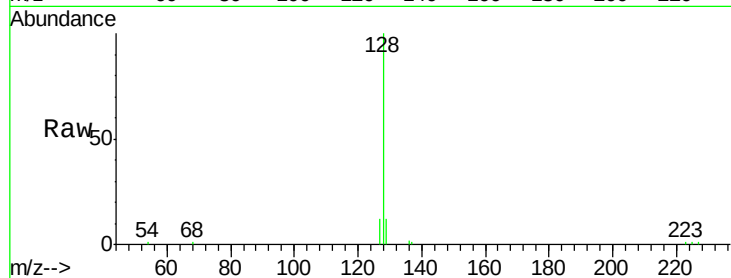
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Instrument :

BNA_M

ClientSampleId :

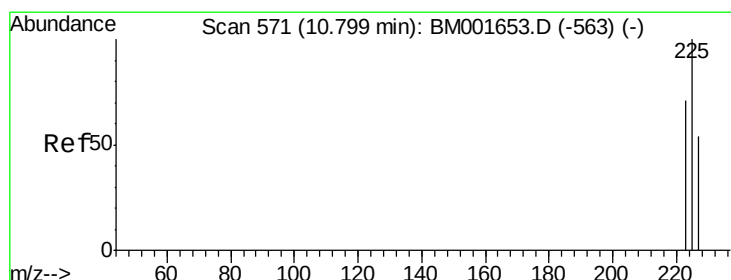
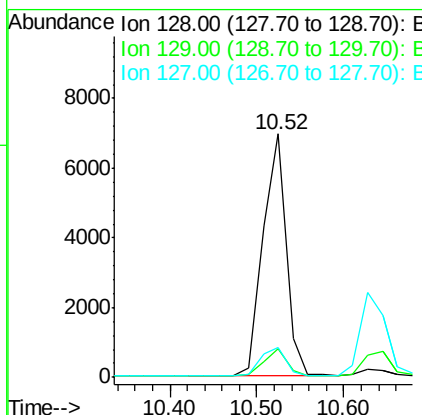
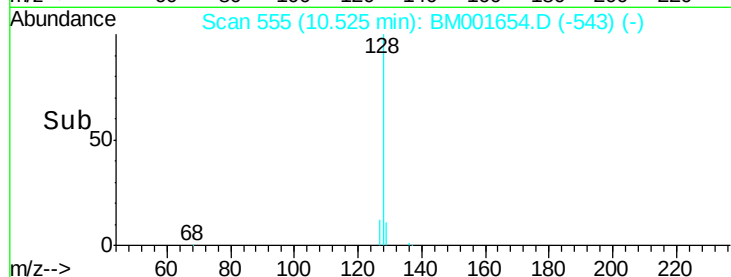
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Tgt Ion	Ratio	Resp	Lower	Upper
128	100	12985		
129	11.9		9.4	14.2
127	12.4		9.7	14.5

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#10

Hexachlorobutadiene

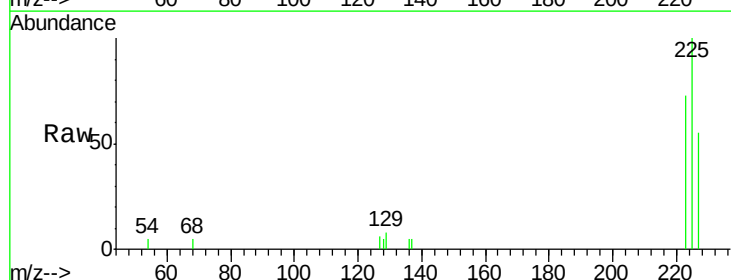
Concen: 0.87 ng

RT: 10.80 min Scan# 571

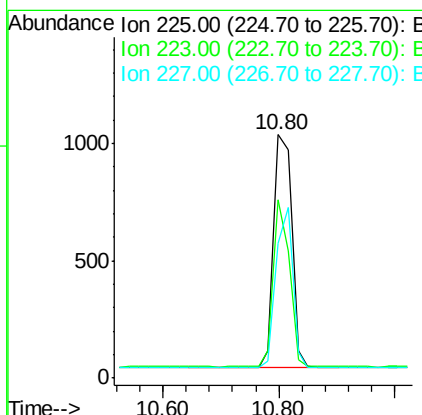
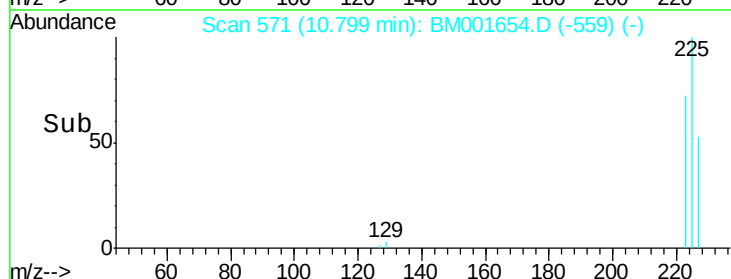
Delta R.T. -0.00 min

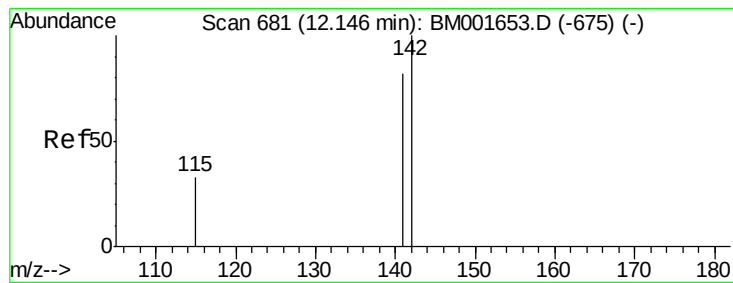
Lab File: BM001654.D

Acq: 11 Jun 2015 22:48



Tgt Ion	Ratio	Resp	Lower	Upper
225	100	2119		
223	63.9		51.0	76.4
227	63.5		51.2	76.8





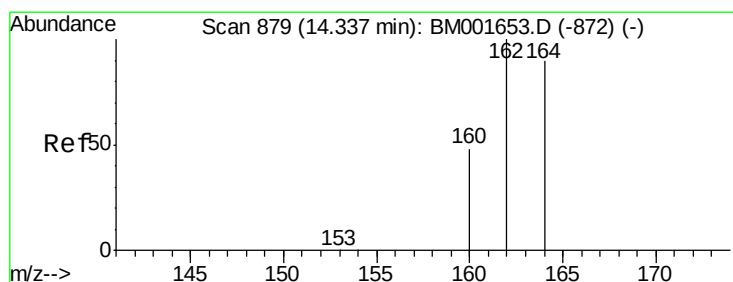
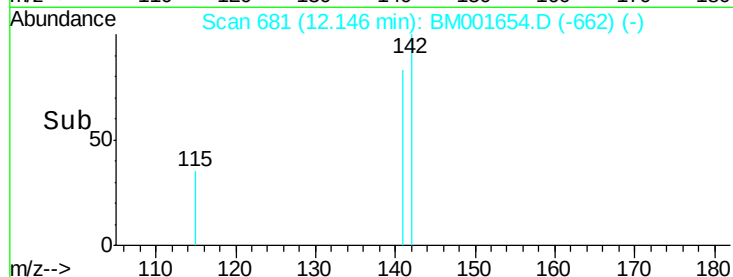
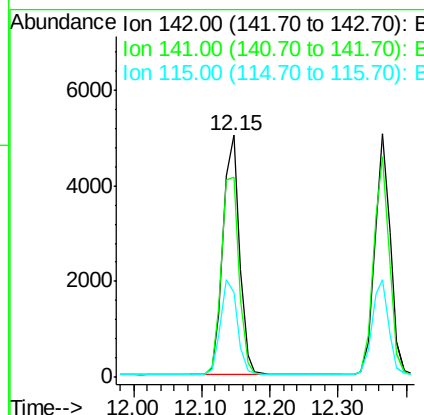
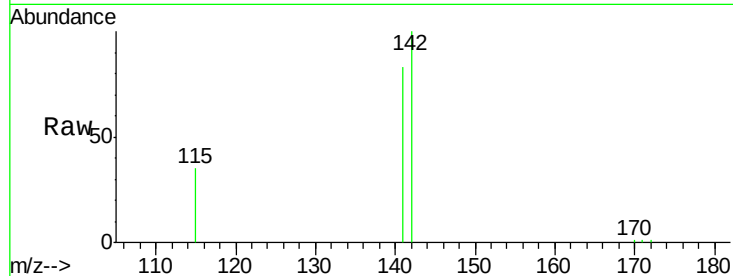
#11
2-Methylnaphthalene
Concen: 0.94 ng
RT: 12.15 min Scan# 681
Delta R.T. -0.00 min
Lab File: BM001654.D
Acq: 11 Jun 2015 22:48

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.8

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.8	65.8	98.6
115	35.3	27.0	40.6

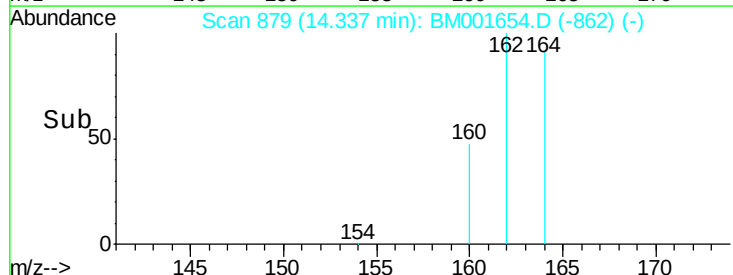
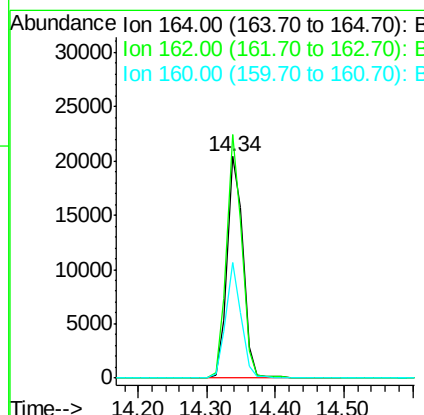
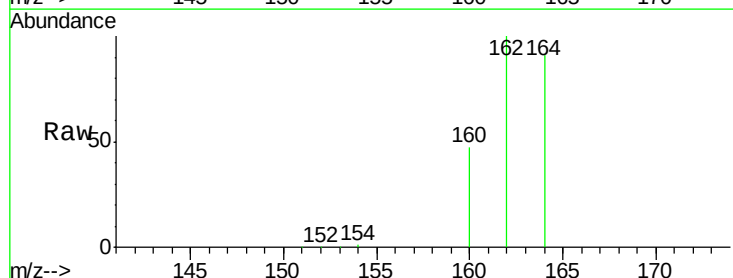
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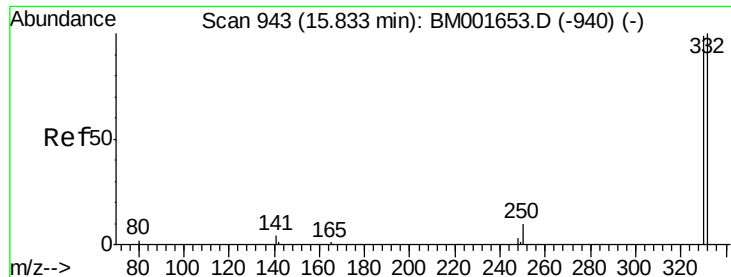
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.34 min Scan# 879
Delta R.T. -0.00 min
Lab File: BM001654.D
Acq: 11 Jun 2015 22:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	109.9	89.0	133.4
160	52.0	42.6	63.8





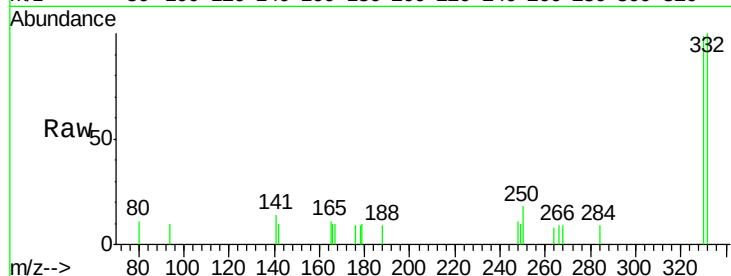
#13
 2,4,6-Tribromophenol
 Concen: 0.84 ng
 RT: 15.83 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: BM001654.D
 Acq: 11 Jun 2015 22:48

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.8

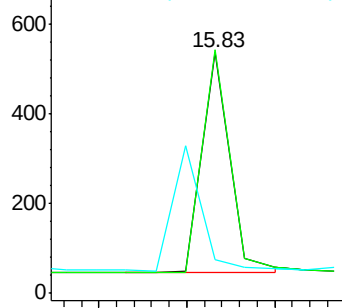
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	1095		
332	100.7	80.6	120.8	
141	0.0	0.0	0.0	

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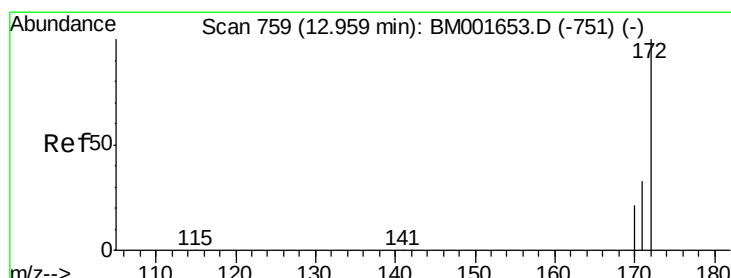
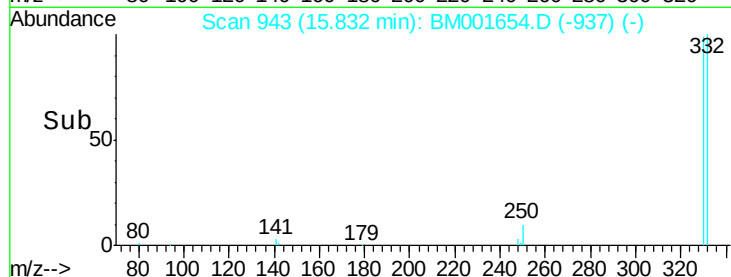
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Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

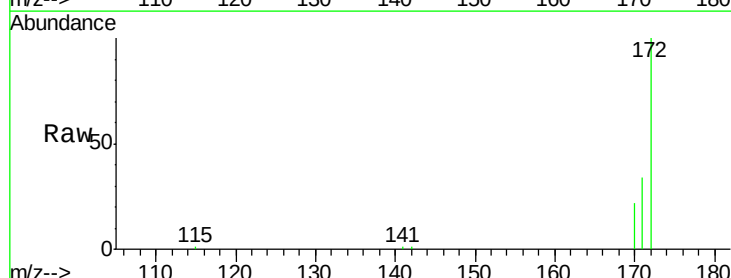


Time-->

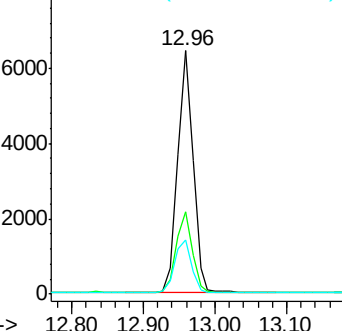


#14
 2-Fluorobiphenyl
 Concen: 0.89 ng
 RT: 12.96 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: BM001654.D
 Acq: 11 Jun 2015 22:48

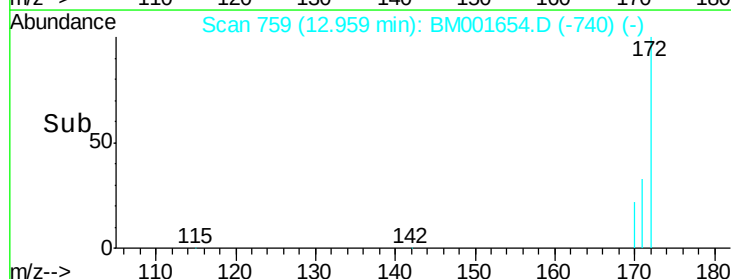
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	9470		
171	34.0	26.6	40.0	
170	22.2	17.1	25.7	

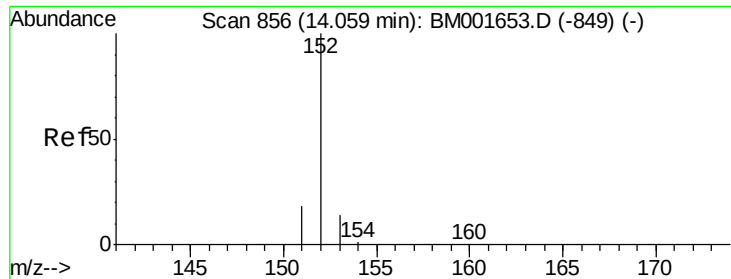


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



Time-->





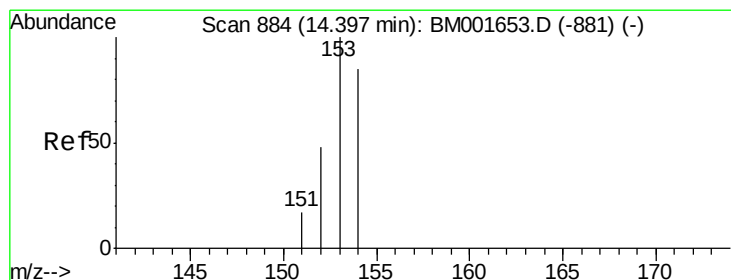
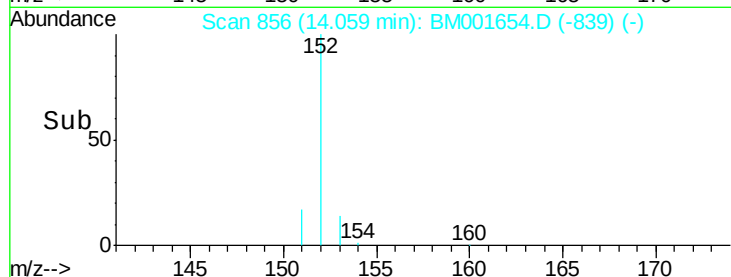
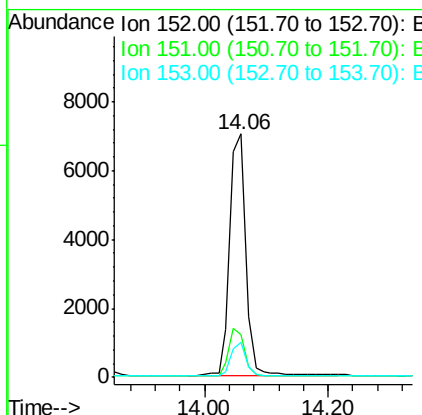
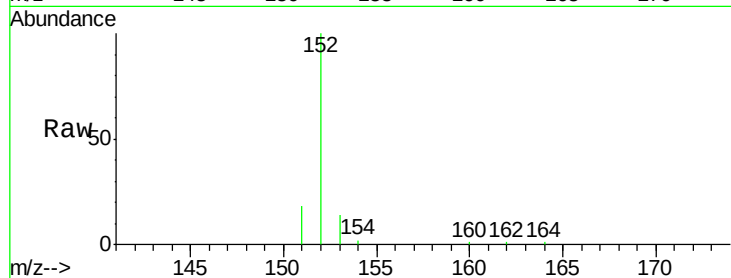
#15
Acenaphthylene
Concen: 0.86 ng
RT: 14.06 min Scan# 856
Delta R.T. -0.00 min
Lab File: BM001654.D
Acq: 11 Jun 2015 22:48

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.8

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.5	23.3
153	12.9	10.2	15.4

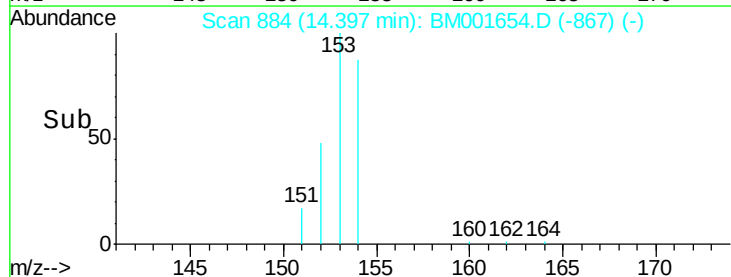
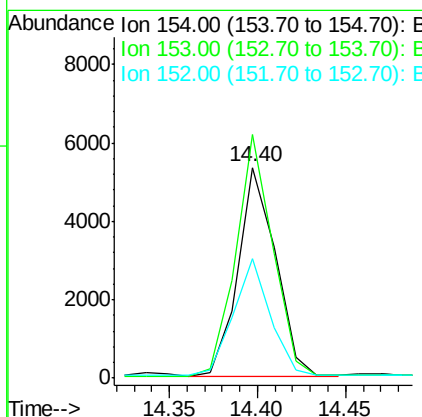
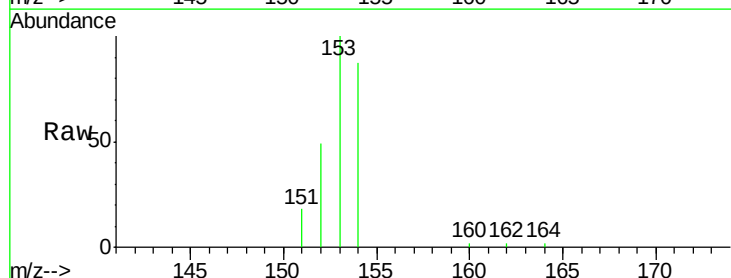
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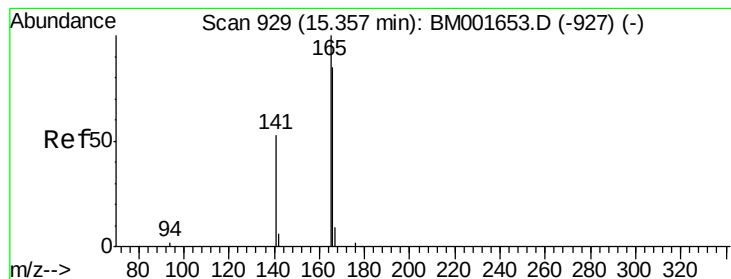
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#16
Acenaphthene
Concen: 0.86 ng
RT: 14.40 min Scan# 884
Delta R.T. -0.00 min
Lab File: BM001654.D
Acq: 11 Jun 2015 22:48

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.3	91.0	136.6
152	55.9	43.8	65.8





#17

Fluorene

Concen: 1.20 ng

RT: 15.36 min Scan# 929

Delta R.T. -0.00 min

Lab File: BM001654.D

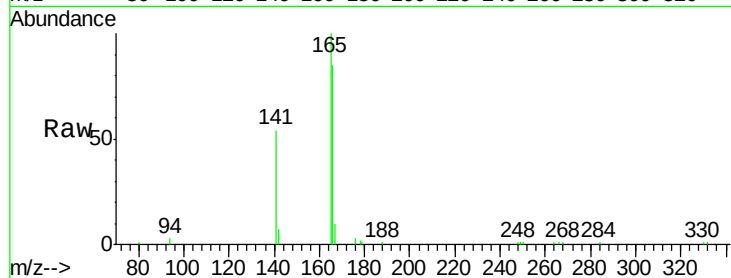
Acq: 11 Jun 2015 22:48

Instrument :

BNA_M

ClientSampleId :

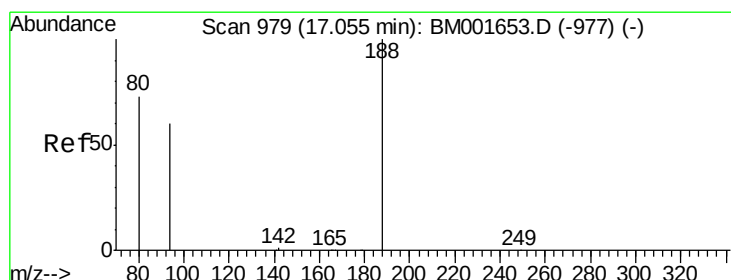
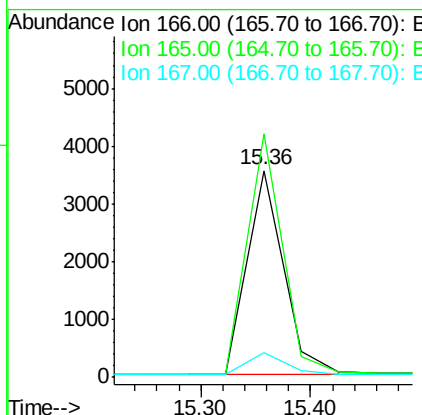
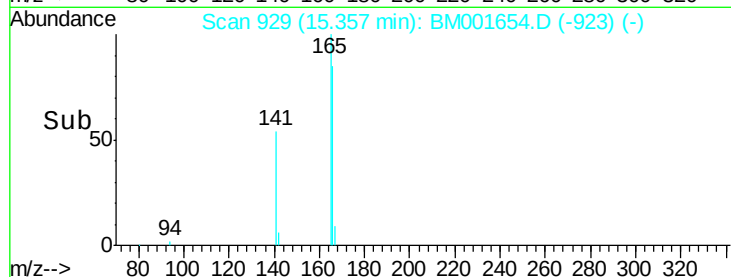
SSTDIC0.8



Tgt Ion:	166	Resp:	8114
Ion Ratio	Lower	Upper	
166	100		
165	113.2	90.7	136.1
167	11.8	9.4	14.0

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#18

Phenanthrene-d10

Concen: 5.00 ng

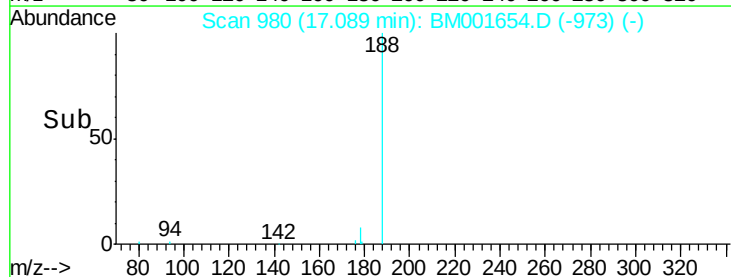
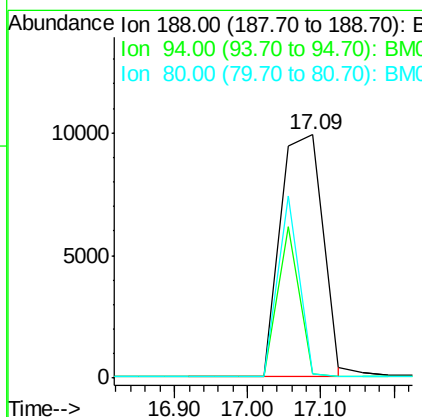
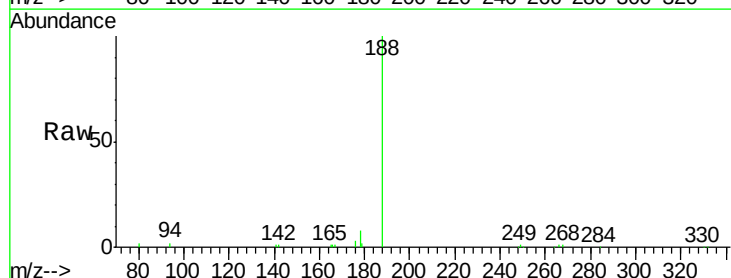
RT: 17.09 min Scan# 980

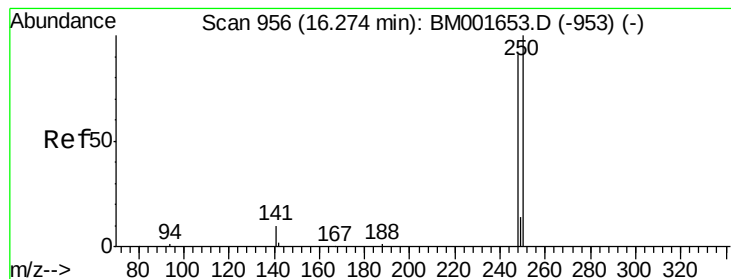
Delta R.T. 0.03 min

Lab File: BM001654.D

Acq: 11 Jun 2015 22:48

Tgt Ion:	188	Resp:	40123
Ion Ratio	Lower	Upper	
188	100		
94	1.9	48.3	72.5#
80	1.9	58.6	88.0#





#19

4-Bromophenyl-phenylether

Concen: 0.91 ng

RT: 16.27 min Scan# 956

Delta R.T. -0.00 min

Lab File: BM001654.D

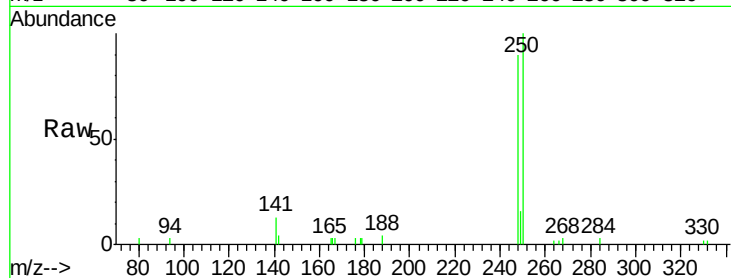
Acq: 11 Jun 2015 22:48

Instrument :

BNA_M

ClientSampleId :

SSTDICC0.8



Tgt Ion:248 Resp: 3495

Ion Ratio Lower Upper

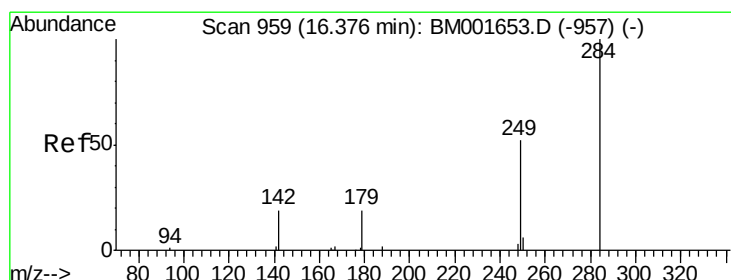
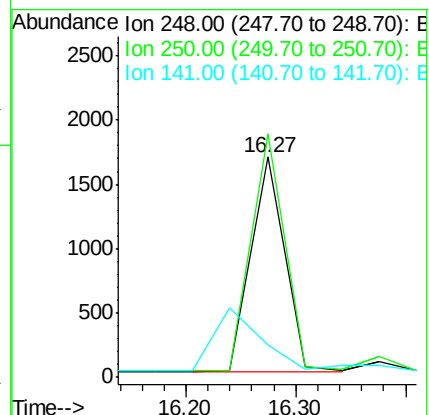
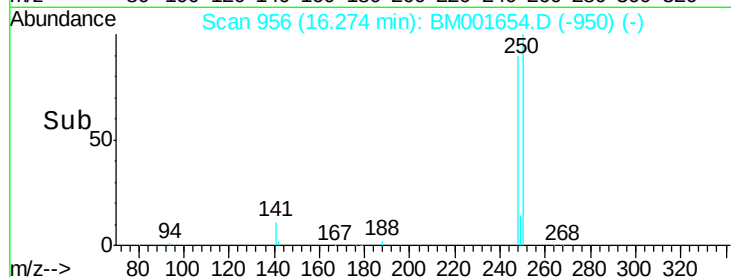
248 100

250 110.5 87.5 131.3

141 0.0 0.0 0.0

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#20

Hexachlorobenzene

Concen: 1.32 ng

RT: 16.38 min Scan# 959

Delta R.T. -0.00 min

Lab File: BM001654.D

Acq: 11 Jun 2015 22:48

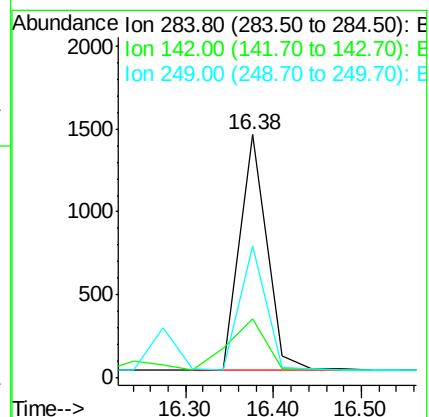
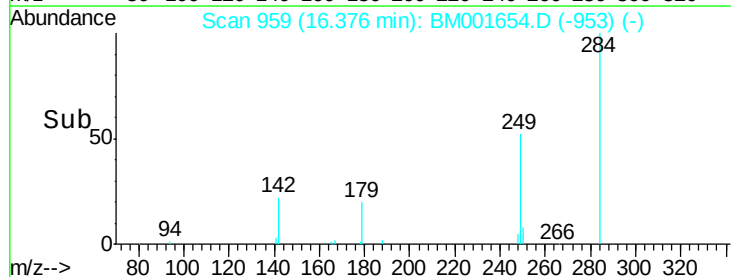
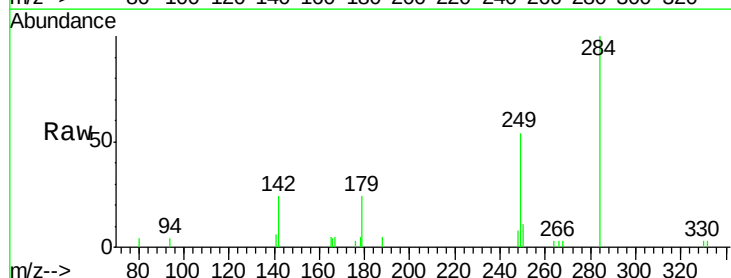
Tgt Ion:284 Resp: 3102

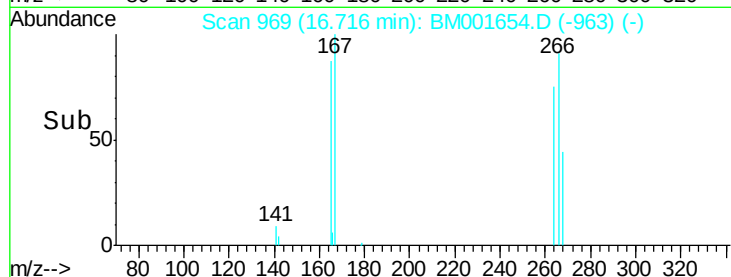
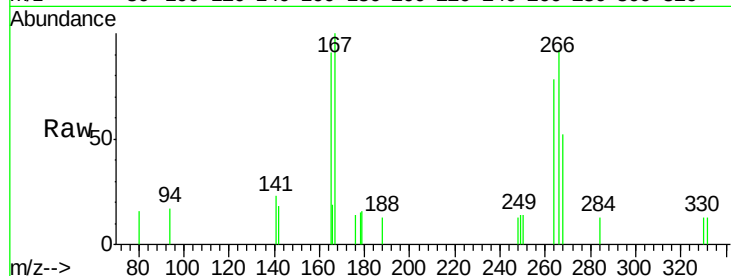
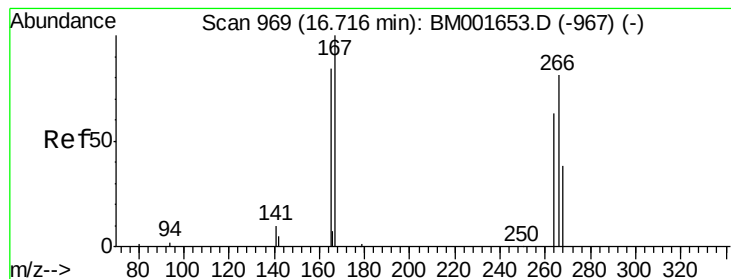
Ion Ratio Lower Upper

284 100

142 29.2 21.5 32.3

249 49.5 53.8 80.6#





#21

Pentachlorophenol

Concen: 1.19 ng

RT: 16.72 min Scan# 969

Delta R.T. -0.00 min

Lab File: BM001654.D

Acq: 11 Jun 2015 22:48

Tgt Ion:	266	Resp:	870
Ion Ratio	Lower	Upper	
266	100		
268	56.2	43.3	64.9
264	84.5	64.5	96.7

Instrument :

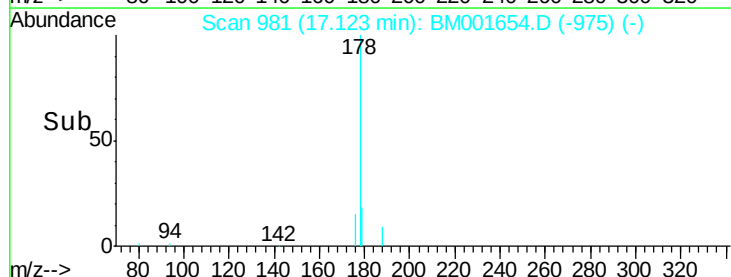
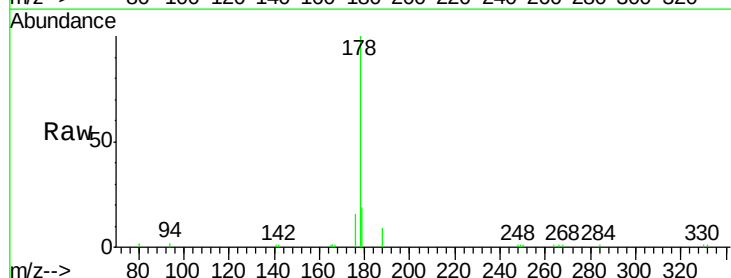
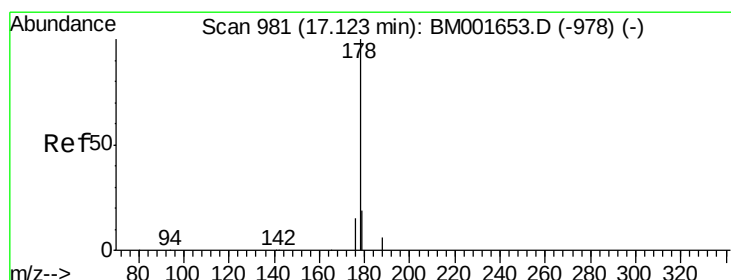
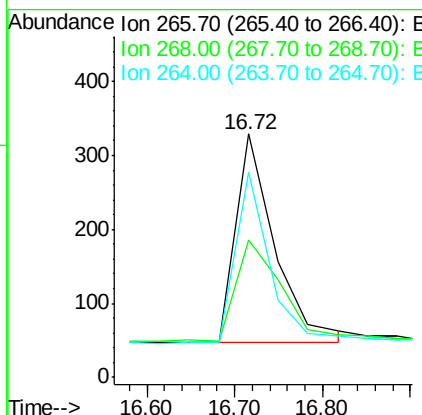
BNA_M

ClientSampleId :

SSTDIC0.8

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#22

Phenanthrene

Concen: 0.82 ng

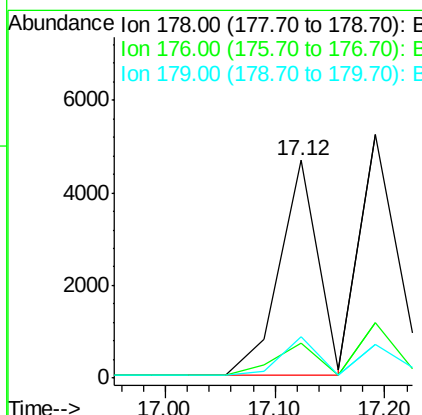
RT: 17.12 min Scan# 981

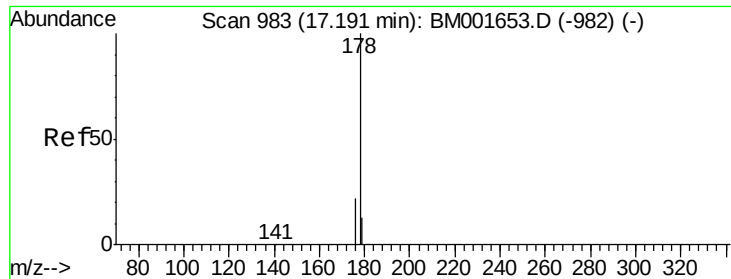
Delta R.T. -0.00 min

Lab File: BM001654.D

Acq: 11 Jun 2015 22:48

Tgt Ion:	178	Resp:	11306
Ion Ratio	Lower	Upper	
178	100		
176	16.9	0.0	0.0#
179	32.6	14.2	21.2#





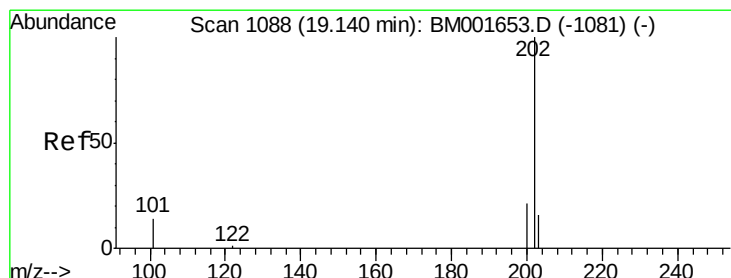
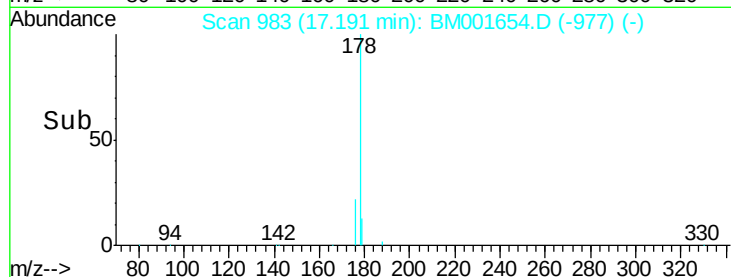
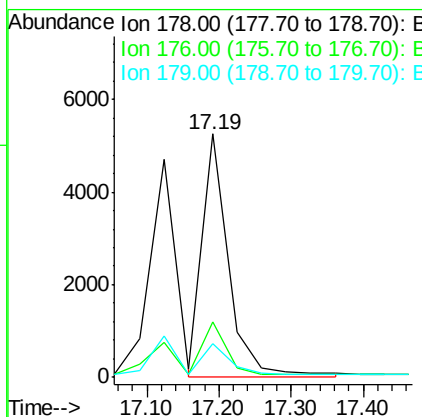
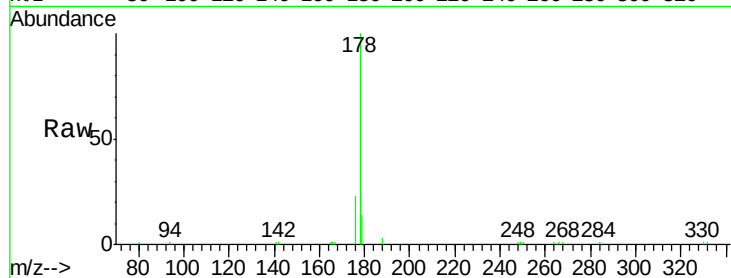
#23
 Anthracene
 Concen: 1.42 ng m
 RT: 17.19 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: BM001654.D
 Acq: 11 Jun 2015 22:48

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.8

Tgt Ion:178 Resp: 13756
 Ion Ratio Lower Upper
 178 100
 176 10.1 0.0 0.0#
 179 24.7 21.4 32.0

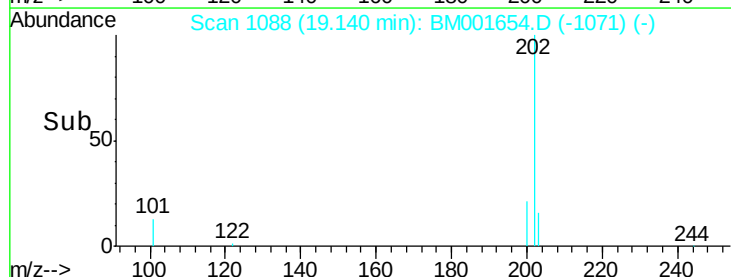
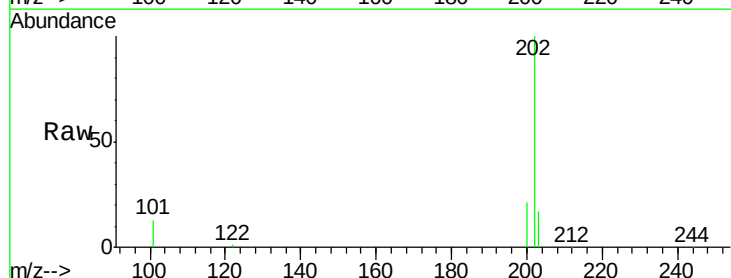
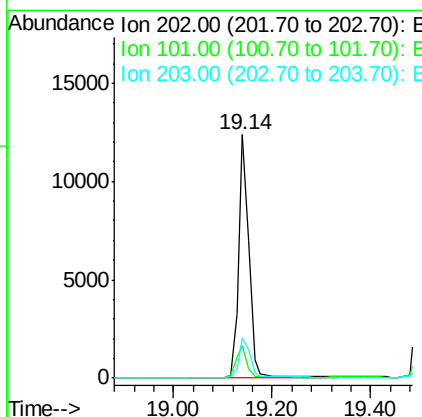
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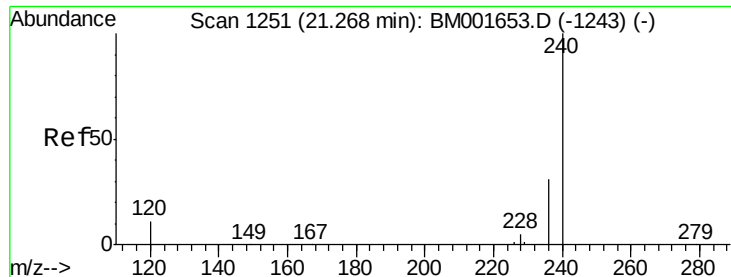
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#24
 Fluoranthene
 Concen: 1.09 ng
 RT: 19.14 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: BM001654.D
 Acq: 11 Jun 2015 22:48

Tgt Ion:202 Resp: 17476
 Ion Ratio Lower Upper
 202 100
 101 13.3 10.8 16.2
 203 17.4 13.8 20.8





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.27 min Scan# 1251

Delta R.T. -0.00 min

Lab File: BM001654.D

Acq: 11 Jun 2015 22:48

Instrument :

BNA_M

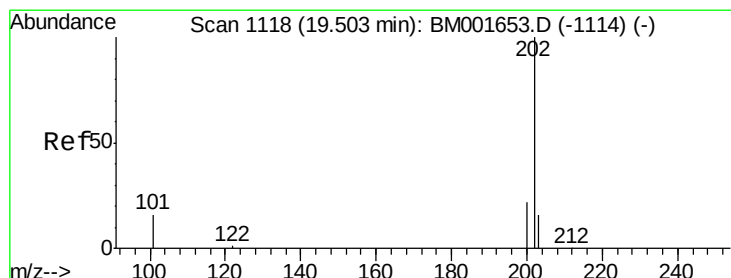
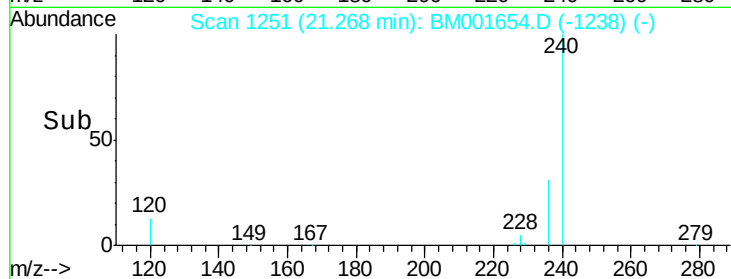
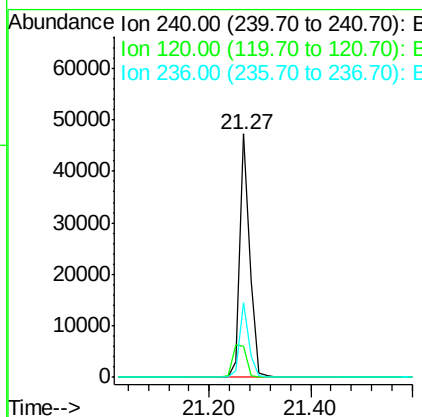
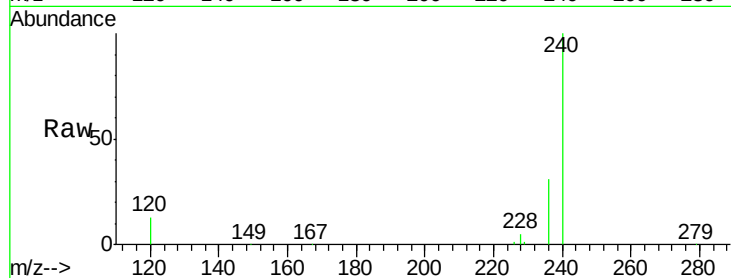
ClientSampleId :

SSTDIC0.8

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.9	8.9	13.3
236	30.6	24.6	36.8

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#26

Pyrene

Concen: 0.86 ng

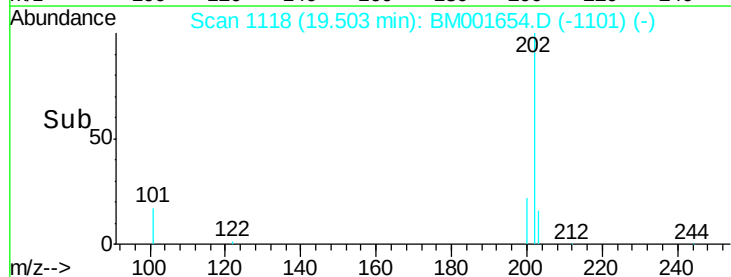
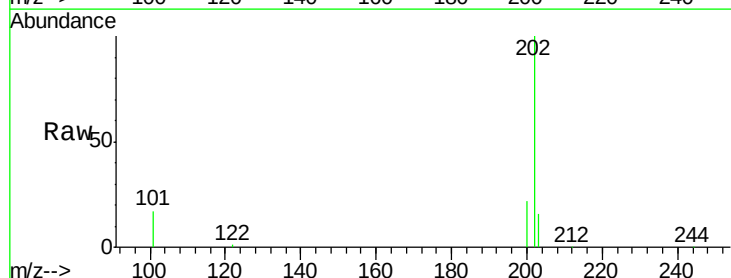
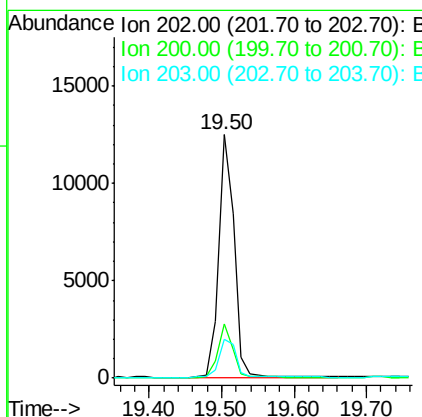
RT: 19.50 min Scan# 1118

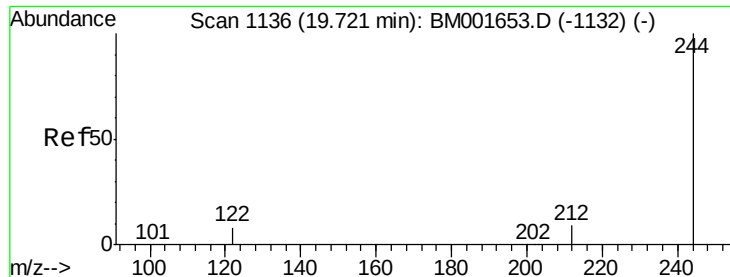
Delta R.T. -0.00 min

Lab File: BM001654.D

Acq: 11 Jun 2015 22:48

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	24.8
203	17.3	13.8	20.8





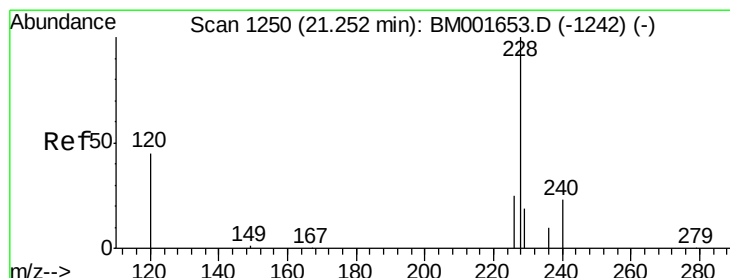
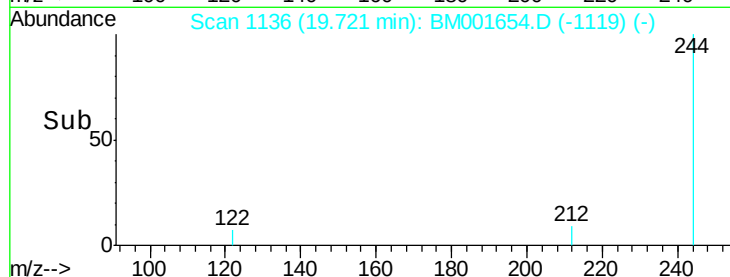
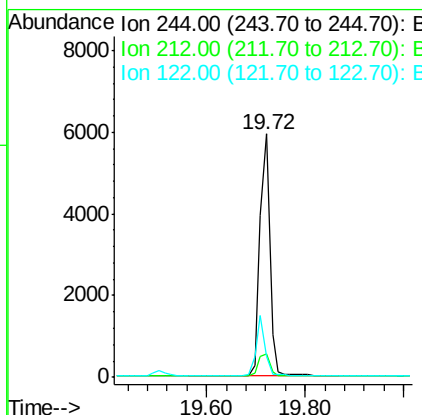
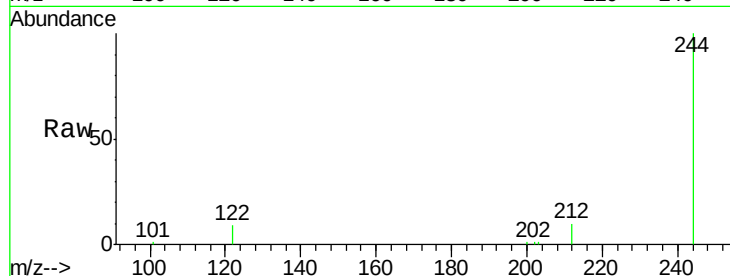
#27
 Terphenyl-d14
 Concen: 0.95 ng
 RT: 19.72 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: BM001654.D
 Acq: 11 Jun 2015 22:48

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.7	11.5
122	8.7	6.9	10.3

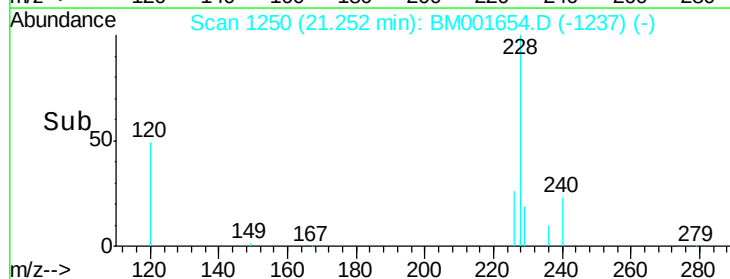
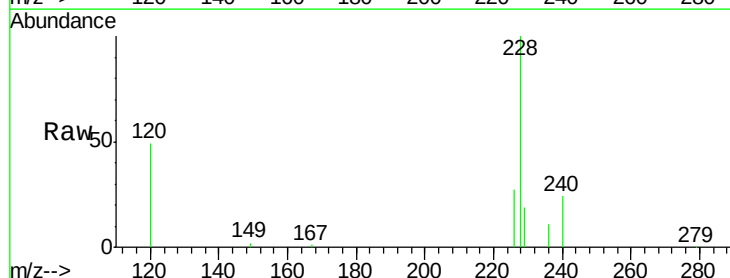
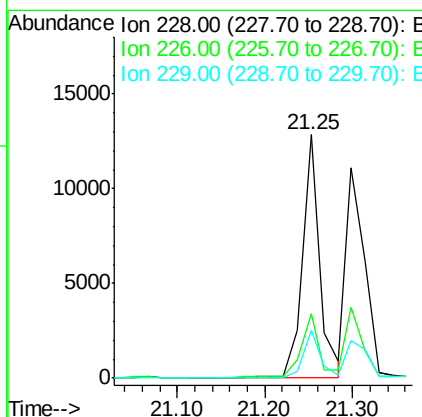
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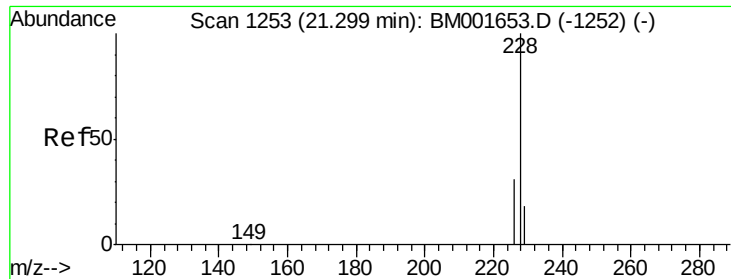
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#28
 Benzo(a)anthracene
 Concen: 0.89 ng
 RT: 21.25 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: BM001654.D
 Acq: 11 Jun 2015 22:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.5	20.2	30.4
229	19.5	15.7	23.5





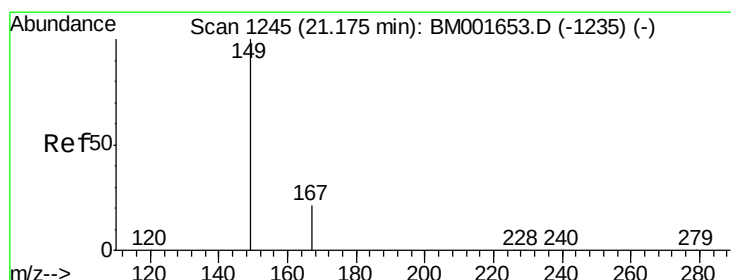
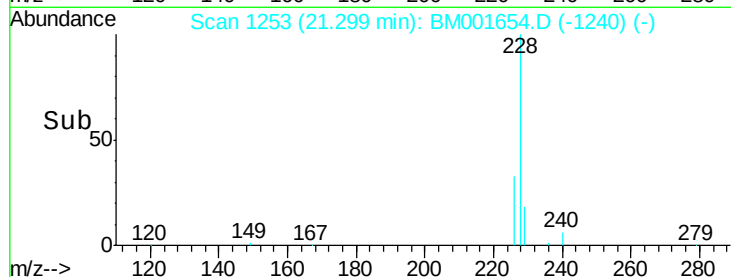
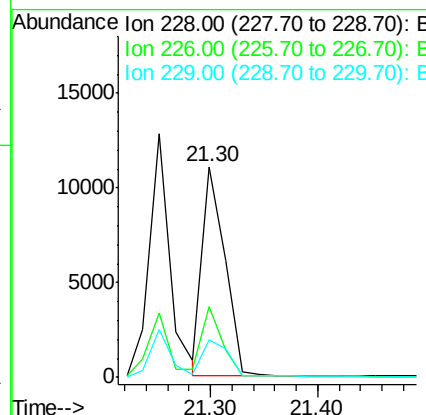
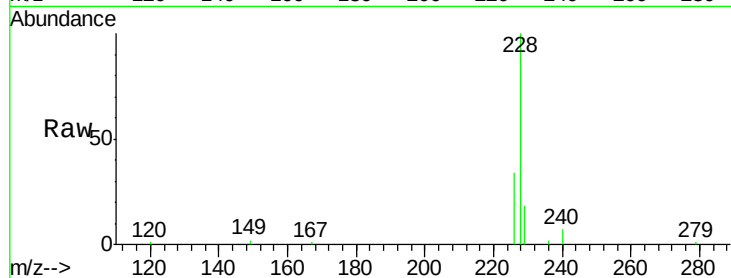
#29
Chrysene
Concen: 0.90 ng
RT: 21.30 min Scan# 1253
Delta R.T. -0.00 min
Lab File: BM001654.D
Acq: 11 Jun 2015 22:48

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.8

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.5	25.8	38.8
229	17.9	14.1	21.1

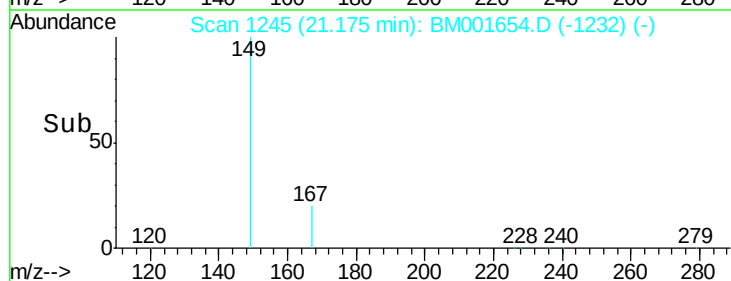
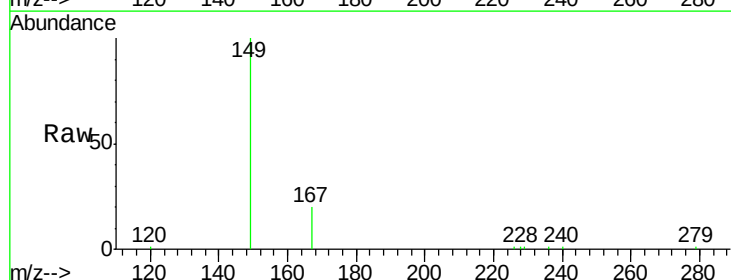
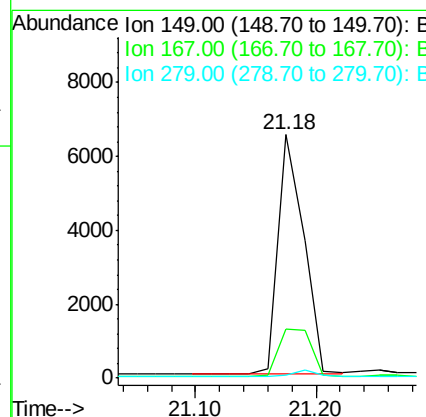
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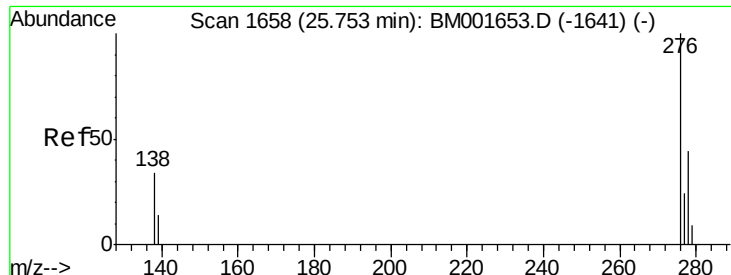
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#30
Bis(2-ethylhexyl)phthalate
Concen: 0.85 ng
RT: 21.18 min Scan# 1245
Delta R.T. -0.00 min
Lab File: BM001654.D
Acq: 11 Jun 2015 22:48

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.2	20.2	30.2
279	2.2	1.7	2.5





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.69 ng

RT: 25.75 min Scan# 1658

Delta R.T. -0.00 min

Lab File: BM001654.D

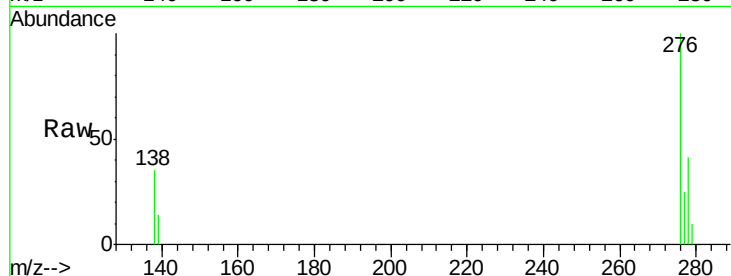
Acq: 11 Jun 2015 22:48

Instrument :

BNA_M

ClientSampleId :

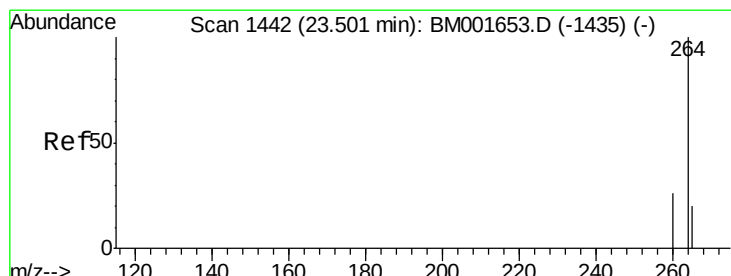
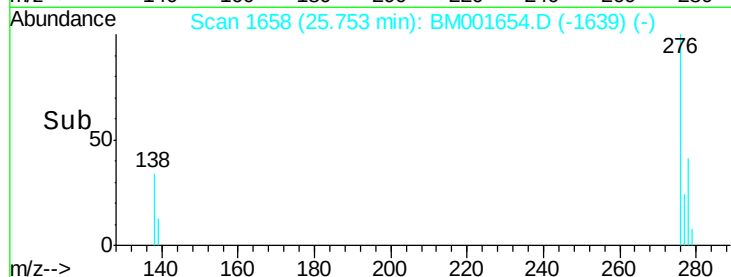
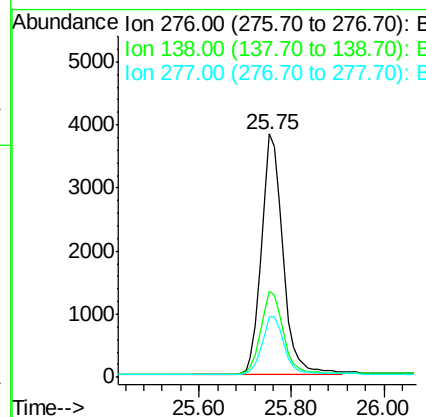
SSTDIC0.8



Tgt Ion:	276	Resp:	12306
Ion Ratio	Lower	Upper	
276	100		
138	36.0	28.8	43.2
277	24.6	19.6	29.4

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#32

Perylene-d12

Concen: 5.00 ng

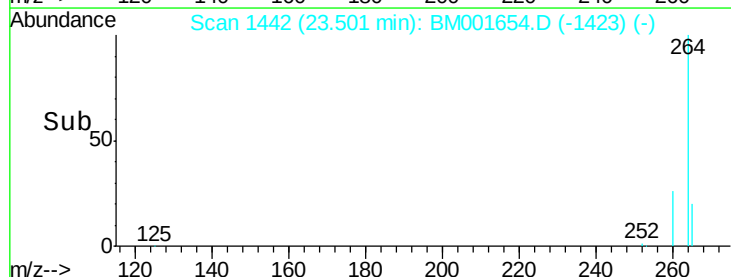
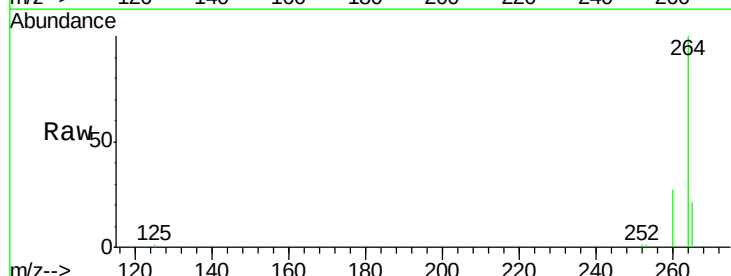
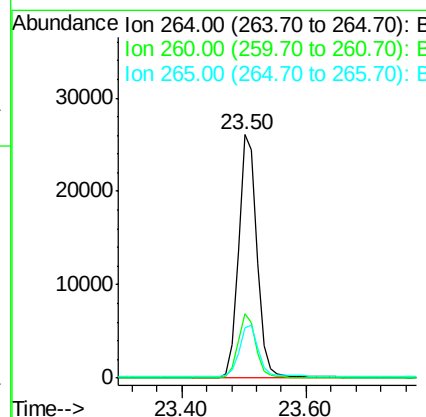
RT: 23.50 min Scan# 1442

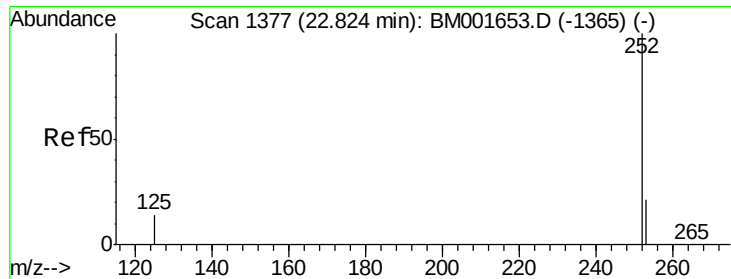
Delta R.T. -0.00 min

Lab File: BM001654.D

Acq: 11 Jun 2015 22:48

Tgt Ion:	264	Resp:	53912
Ion Ratio	Lower	Upper	
264	100		
260	26.5	20.8	31.2
265	20.8	16.9	25.3





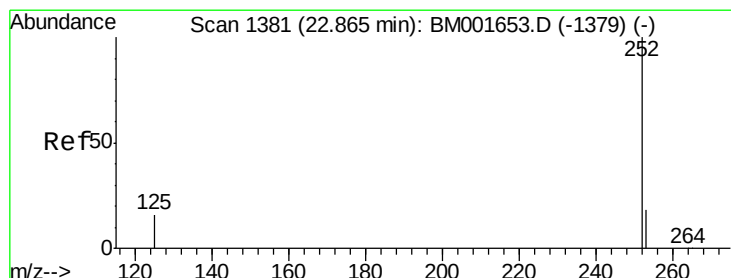
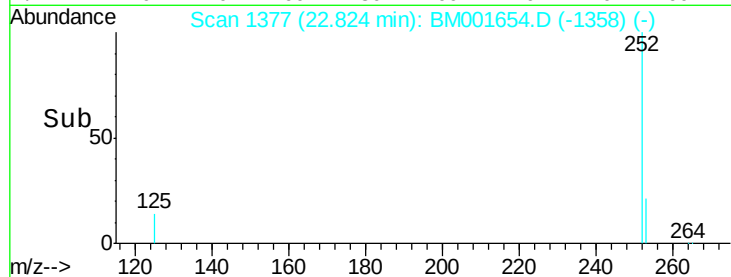
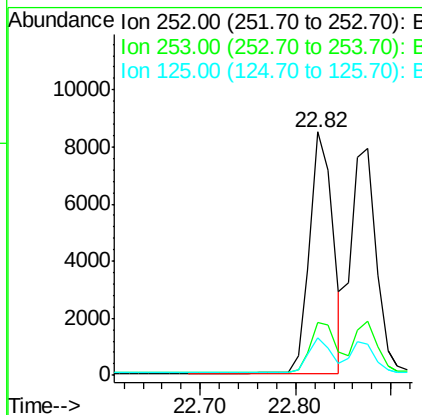
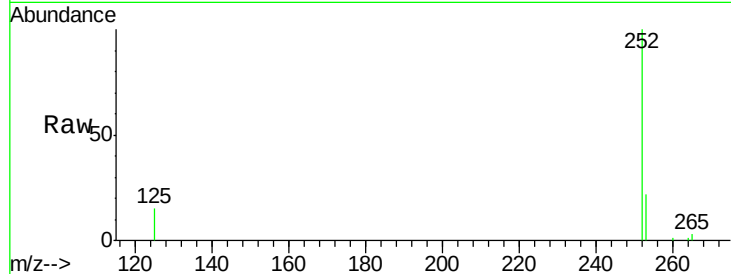
#33
Benzo(b)fluoranthene
Concen: 0.87 ng
RT: 22.82 min Scan# 1377
Delta R.T. -0.00 min
Lab File: BM001654.D
Acq: 11 Jun 2015 22:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	15.4	12.0	18.0

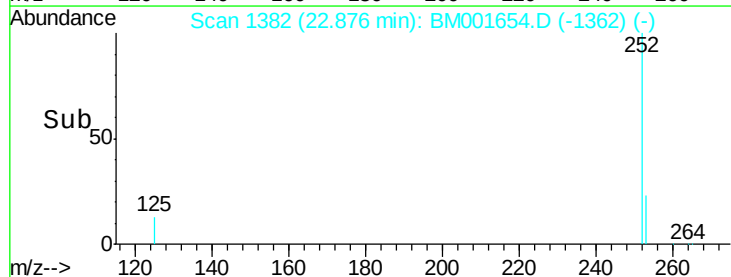
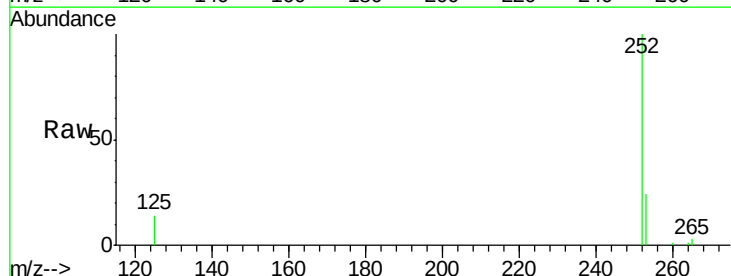
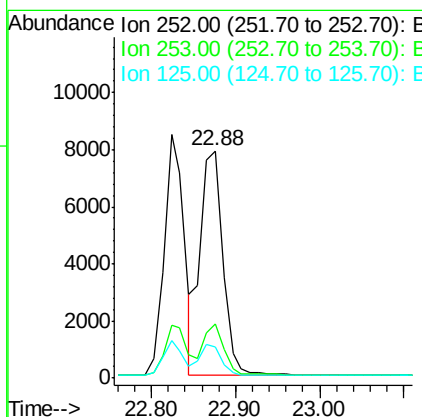
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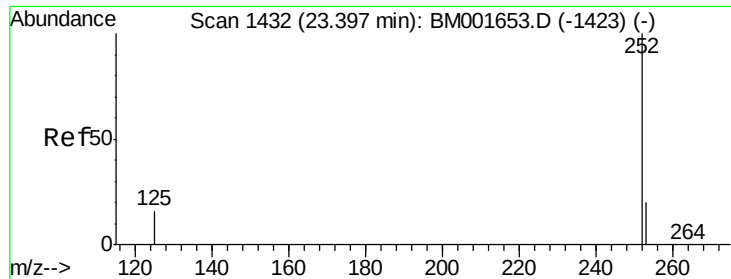
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#34
Benzo(k)fluoranthene
Concen: 0.93 ng
RT: 22.88 min Scan# 1382
Delta R.T. 0.01 min
Lab File: BM001654.D
Acq: 11 Jun 2015 22:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	14.0	12.5	18.7





#35

Benzo(a)pyrene

Concen: 0.85 ng

RT: 23.41 min Scan# 1433

Delta R.T. 0.01 min

Lab File: BM001654.D

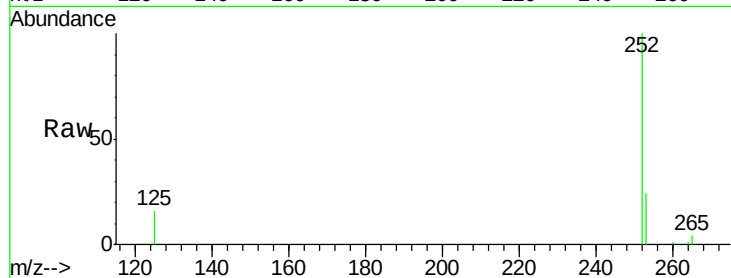
Acq: 11 Jun 2015 22:48

Instrument :

BNA_M

ClientSampleId :

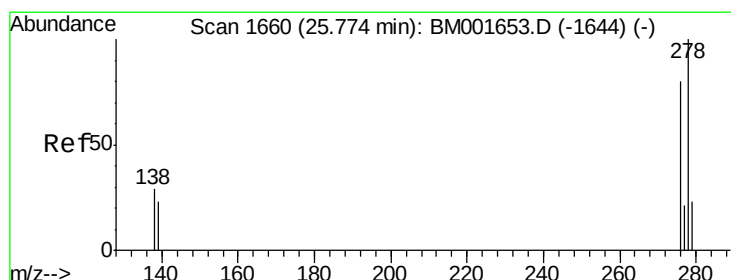
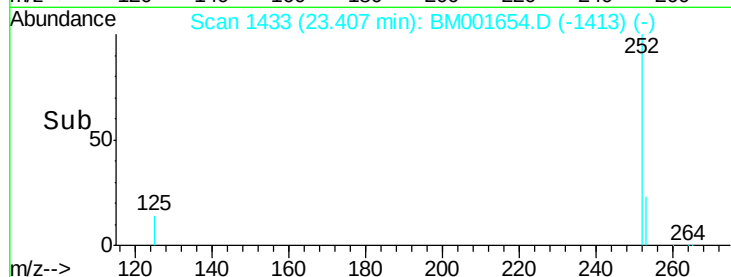
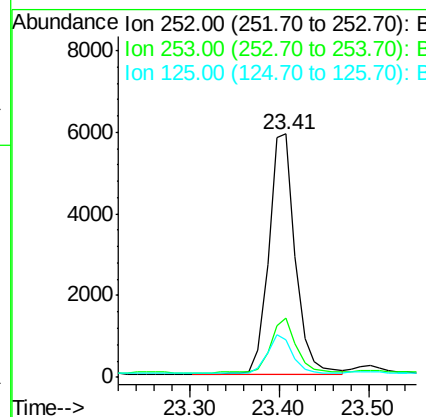
SSTDIC0.8



Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.4	26.0
125	15.6	14.0	21.0

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#36

Dibenzo(a,h)anthracene

Concen: 0.75 ng

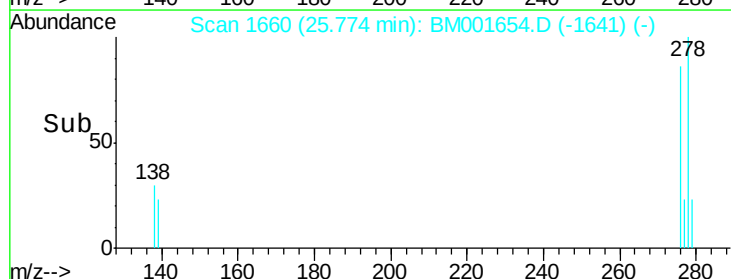
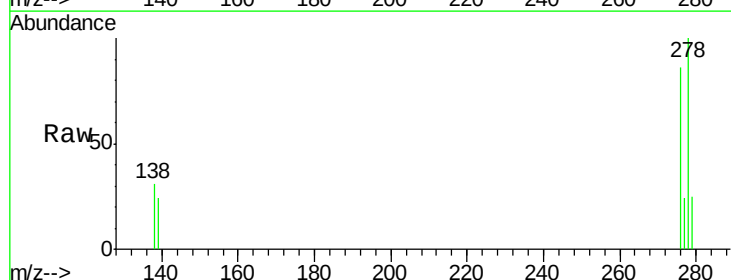
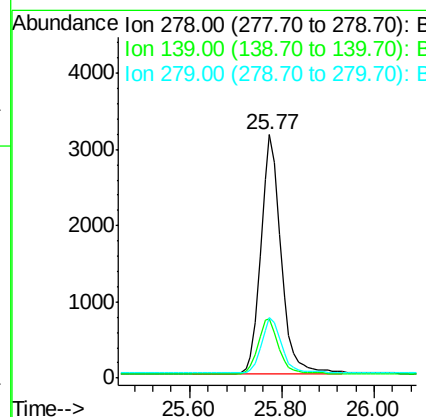
RT: 25.77 min Scan# 1660

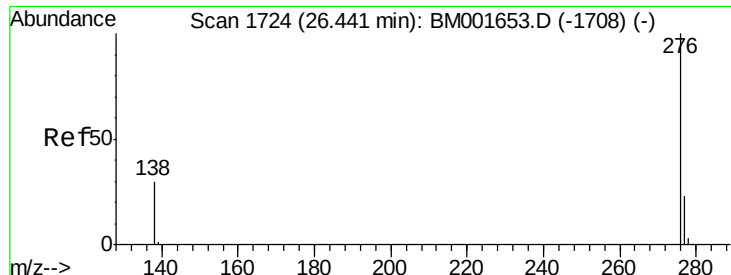
Delta R.T. -0.00 min

Lab File: BM001654.D

Acq: 11 Jun 2015 22:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.5	19.1	28.7
279	24.9	19.7	29.5





#37
 Benzo(g,h,i)perylene
 Concen: 0.76 ng
 RT: 26.44 min Scan# 1724
 Delta R.T. -0.00 min
 Lab File: BM001654.D
 Acq: 11 Jun 2015 22:48

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.8

Tgt	Ion	Ratio	Lower	Upper
276	100			
277	24.4	19.3	28.9	
138	31.9	25.0	37.4	

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