

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060615\
 Data File : BM001582.D
 Acq On : 06 Jun 2015 07:29
 Operator : TP/IZ
 Sample : PB83718BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB83718BSD

Manual Integrations
 APPROVED

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 6/8/2015 2:48:05 PM

Quant Time: Jun 08 05:48:06 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM060615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 08 05:27:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	21160	5.00	ng	0.00
6) Naphthalene-d8	10.47	136	74426	5.00	ng	0.00
12) Acenaphthene-d10	14.35	164	33724	5.00	ng	0.00
18) Phenanthrene-d10	17.09	188	48700	5.00	ng	0.00
25) Chrysene-d12	21.28	240	56066	5.00	ng	0.00
32) Perylene-d12	23.52	264	49647	5.00	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.27	112	60202	12.88	ng	0.00
5) Phenol-d6	6.84	99	76817	13.37	ng	0.00
7) Nitrobenzene-d5	8.85	82	46764	9.23	ng	0.00
13) 2,4,6-Tribromophenol	15.83	330	24682	15.27	ng	0.00
14) 2-Fluorobiphenyl	12.96	172	92343	8.89	ng	0.00
27) Terphenyl-d14	19.72	244	59920	8.28	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.21	88	16531	9.01	ng	98
3) n-Nitrosodimethylamine	3.51	42	27821	8.61	ng	# 99
8) Nitrobenzene	8.89	77	50609	9.32	ng	99
9) Naphthalene	10.52	128	128820	8.02	ng	99
10) Hexachlorobutadiene	10.82	225	23063	8.23	ng	100
11) 2-Methylnaphthalene	12.15	142	83377	8.29	ng	95
15) Acenaphthylene	14.06	152	128888	8.85	ng	100
16) Acenaphthene	14.41	154	75478	8.23	ng	99
17) Fluorene	15.36	166	48657	8.24	ng	# 65
19) 4-Bromophenyl-phenylether	16.27	248	39024	10.05	ng	# 87
20) Hexachlorobenzene	16.38	284	17896	11.57	ng	92
21) Pentachlorophenol	16.75	266	97180	130.72	ng	# 89
22) Phenanthrene	17.12	178	154758	9.11	ng	99
23) Anthracene	17.19	178	73215m	10.23	ng	
24) Fluoranthene	19.15	202	145527	11.01	ng	99
26) Pyrene	19.52	202	157967	8.76	ng	100
28) Benzo(a)anthracene	21.25	228	133730	8.47	ng	99
29) Chrysene	21.31	228	130938	8.68	ng	97
30) Bis(2-ethylhexyl)phthalate	21.19	149	101467	9.55	ng	100
31) Indeno(1,2,3-cd)pyrene	25.77	276	133573	8.25	ng	99
33) Benzo(b)fluoranthene	22.83	252	137299	9.26	ng	98
34) Benzo(k)fluoranthene	22.89	252	113209	8.38	ng	98
35) Benzo(a)pyrene	23.42	252	119225	9.20	ng	98
36) Dibenzo(a,h)anthracene	25.78	278	107463	8.46	ng	95
37) Benzo(g,h,i)perylene	26.46	276	110661	8.29	ng	97

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

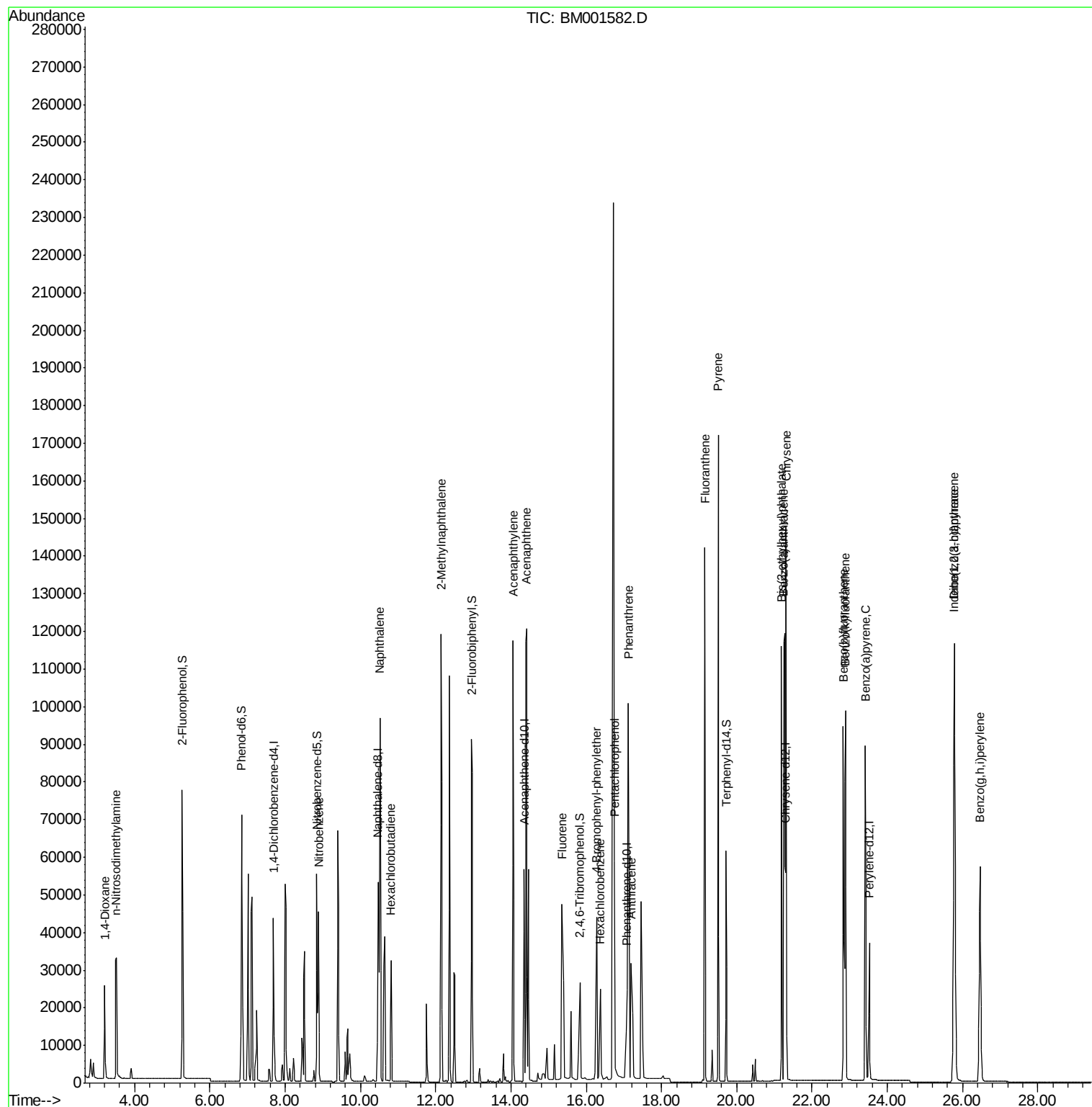
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060615\
Data File : BM001582.D
Acq On : 06 Jun 2015 07:29
Operator : TP/IZ
Sample : PB83718BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

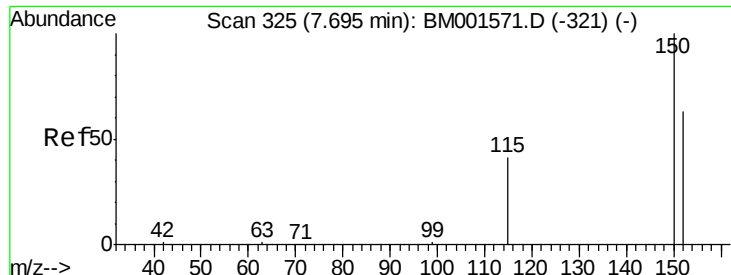
Instrument :
BNA_M
ClientSampleId :
PB83718BSD

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Quant Time: Jun 08 05:48:06 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM060615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 08 05:27:25 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.69 min Scan# 325

Delta R.T. -0.00 min

Lab File: BM001582.D

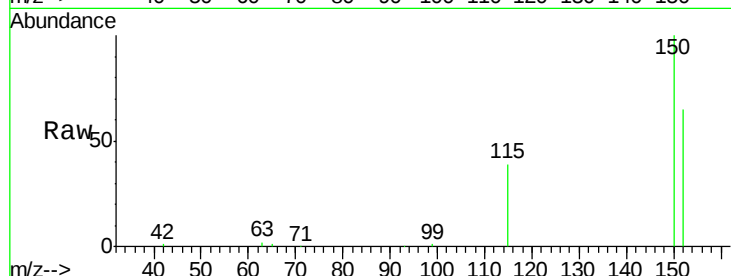
Acq: 06 Jun 2015 07:29

Instrument :

BNA_M

ClientSampleId :

PB83718BSD



Tgt Ion:152 Resp: 21160

Ion Ratio Lower Upper

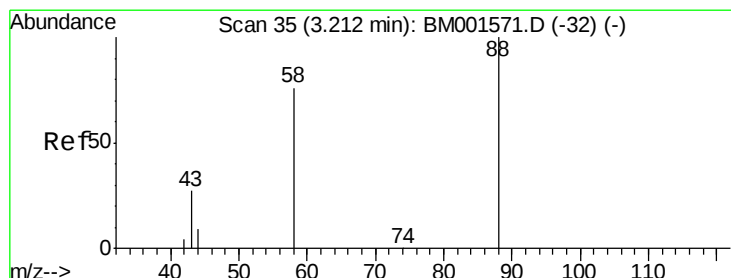
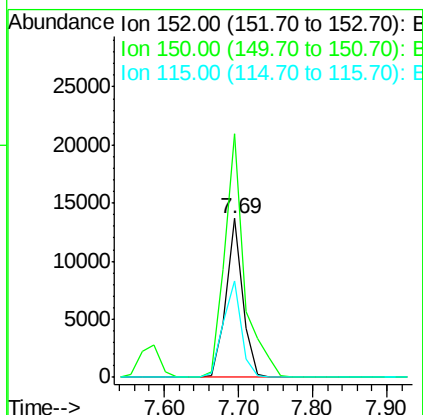
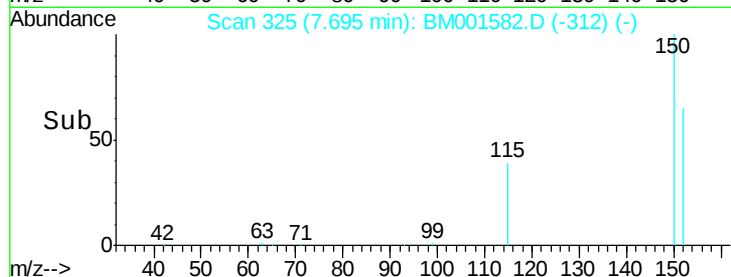
152 100

150 153.5 126.6 190.0

115 60.5 51.6 77.4

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#2

1,4-Dioxane

Concen: 9.01 ng

RT: 3.21 min Scan# 35

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

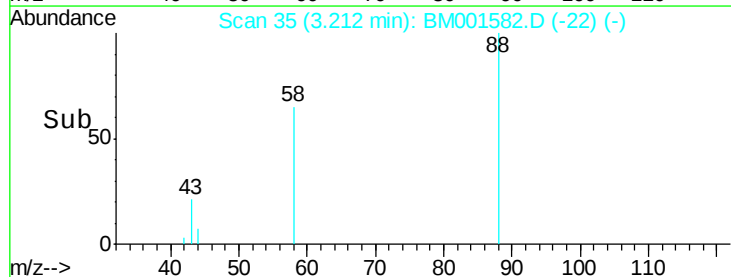
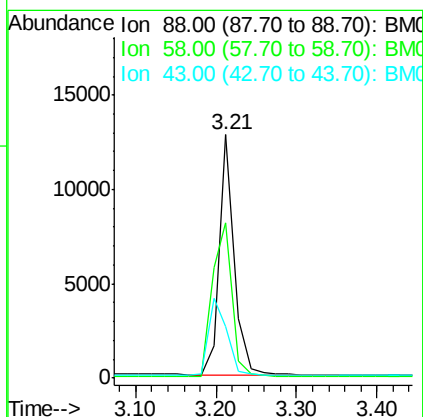
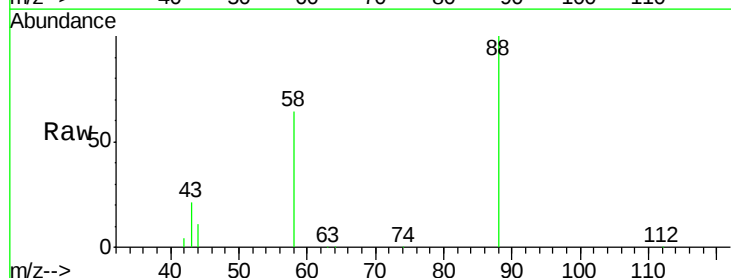
Tgt Ion: 88 Resp: 16531

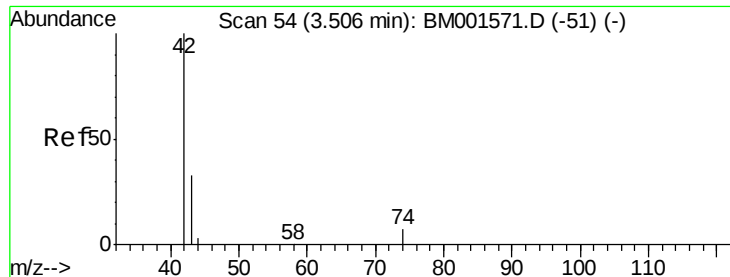
Ion Ratio Lower Upper

88 100

58 85.4 66.1 99.1

43 39.8 32.3 48.5





#3

n-Nitrosodimethylamine

Concen: 8.61 ng

RT: 3.51 min Scan# 54

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

Instrument :

BNA_M

ClientSampleId :

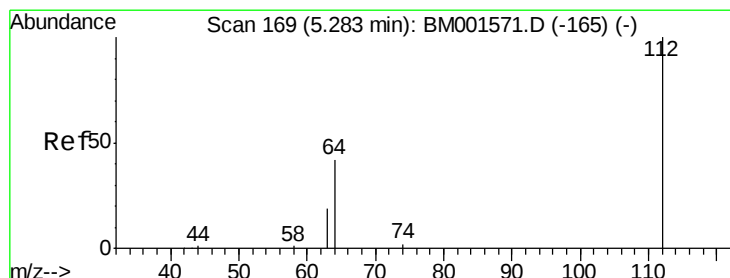
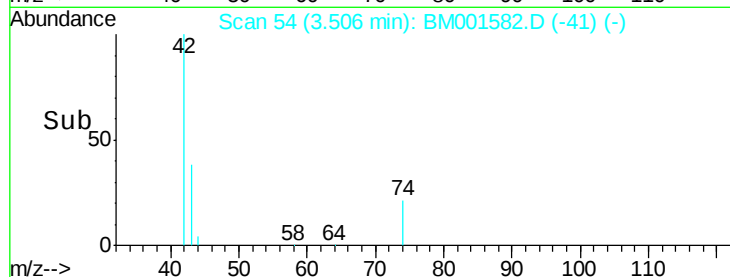
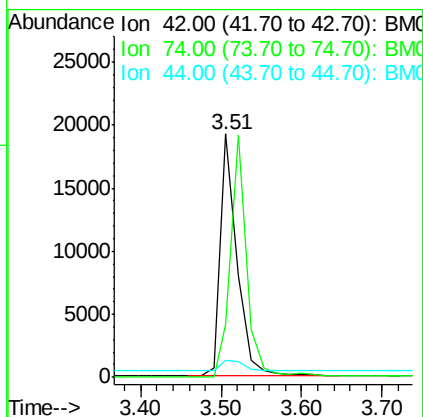
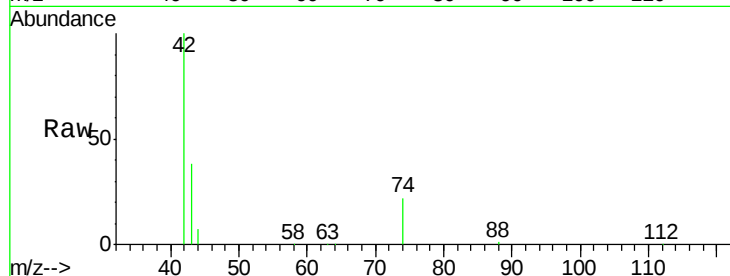
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Tgt Ion	Ratio	Lower	Upper
42	100		
74	96.1	77.2	115.8
44	6.1	7.4	11.2#



#4

2-Fluorophenol

Concen: 12.88 ng

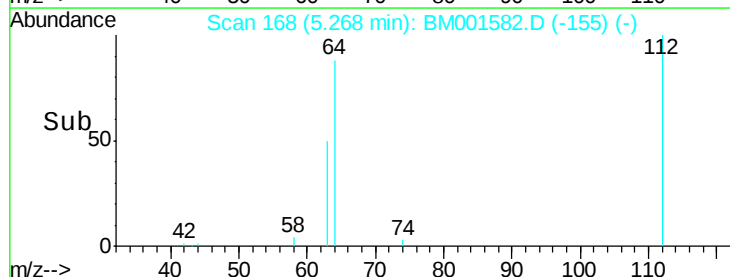
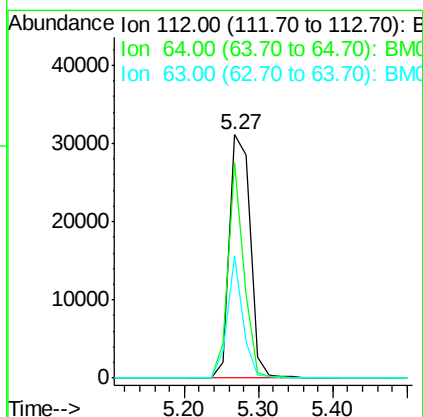
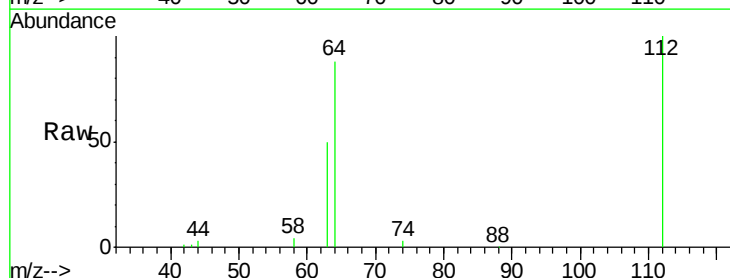
RT: 5.27 min Scan# 168

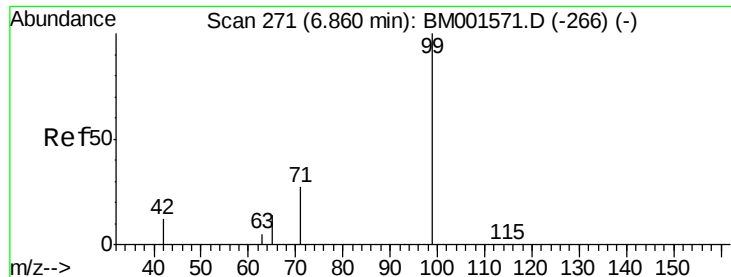
Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.3	53.3	79.9
63	37.0	29.7	44.5





#5

Phenol-d6

Concen: 13.37 ng

RT: 6.84 min Scan# 270

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

Instrument :

BNA_M

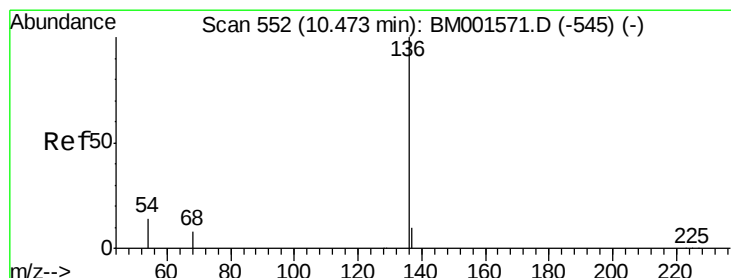
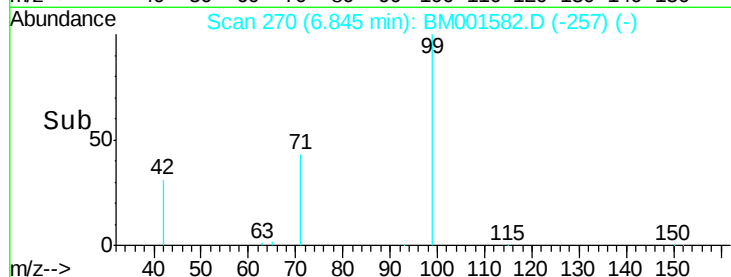
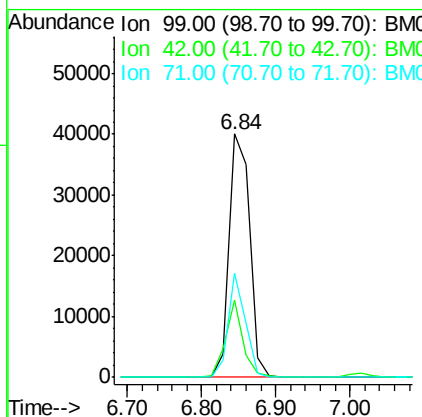
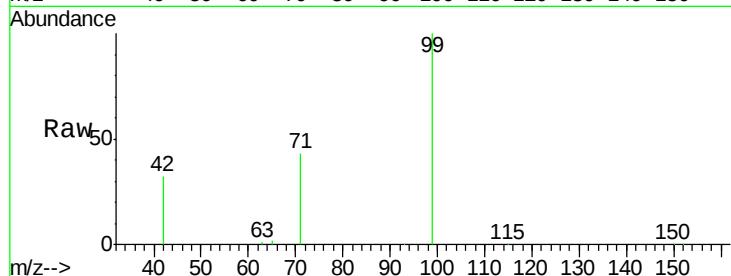
ClientSampleId :

PB83718BSD

Tgt Ion:	99	Resp:	76817
Ion Ratio	Lower	Upper	
99	100		
42	26.2	21.4	32.2
71	35.7	29.0	43.4

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#6

Naphthalene-d8

Concen: 5.00 ng

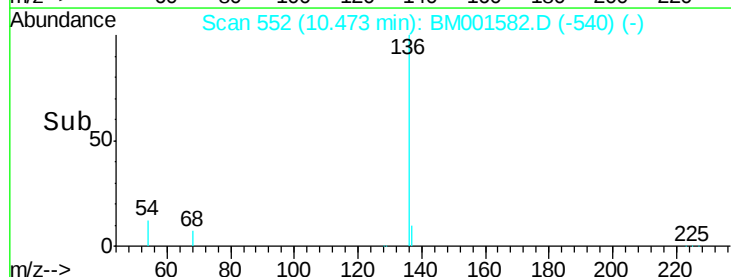
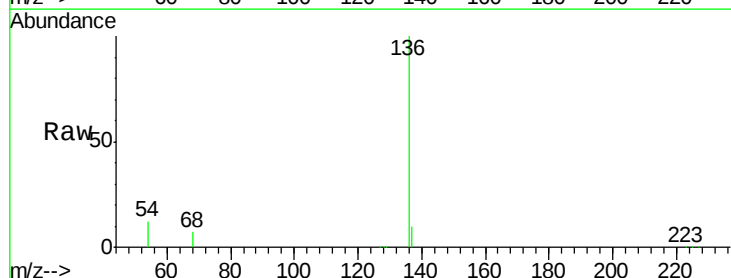
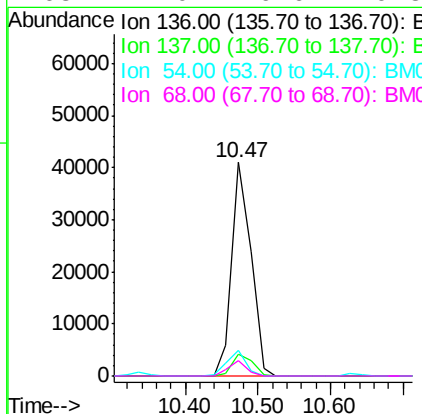
RT: 10.47 min Scan# 552

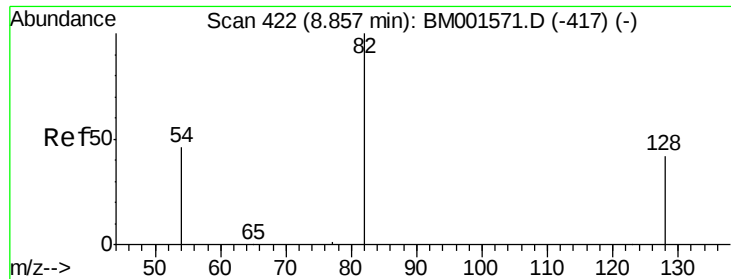
Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

Tgt Ion:	136	Resp:	74426
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.1	12.1
54	11.9	11.7	17.5
68	7.0	6.6	9.8





#7

Nitrobenzene-d5

Concen: 9.23 ng

RT: 8.85 min Scan# 421

Delta R.T. -0.00 min

Lab File: BM001582.D

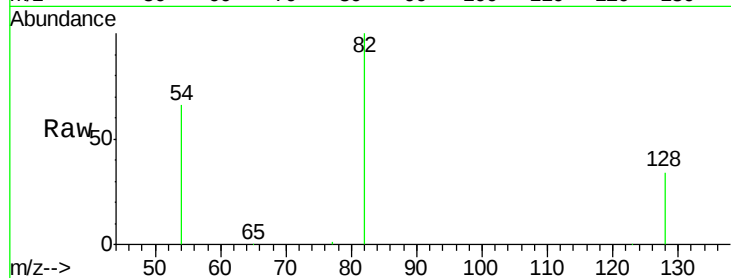
Acq: 06 Jun 2015 07:29

Instrument :

BNA_M

ClientSampleId :

PB83718BSD



Tgt Ion: 82 Resp: 46764

Ion Ratio Lower Upper

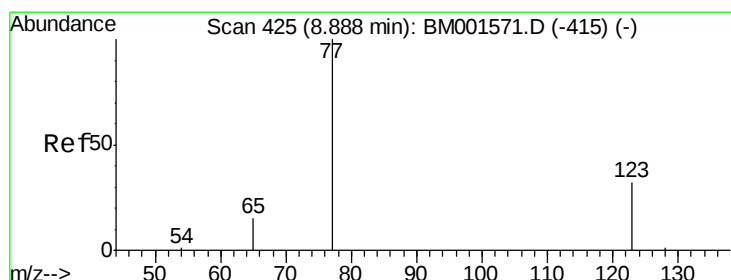
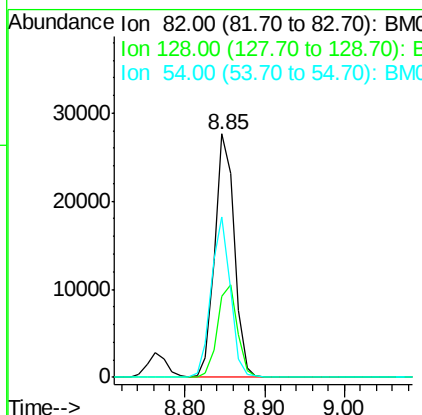
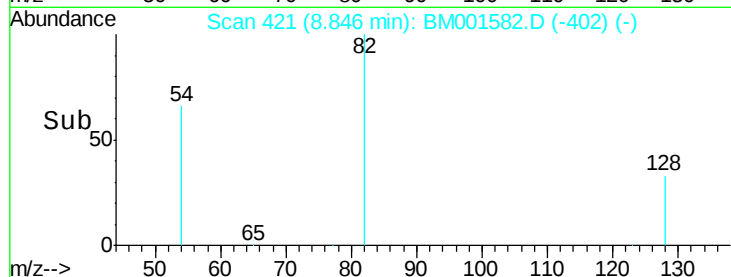
82 100

128 33.5 34.1 51.1#

54 66.0 37.8 56.6#

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#8

Nitrobenzene

Concen: 9.32 ng

RT: 8.89 min Scan# 425

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

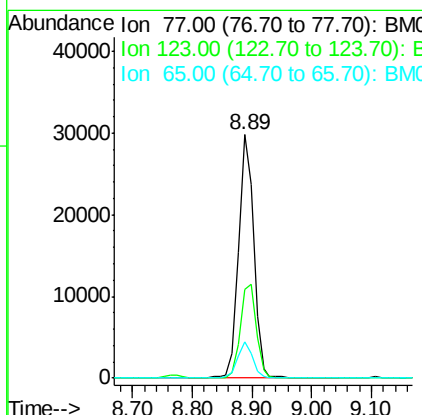
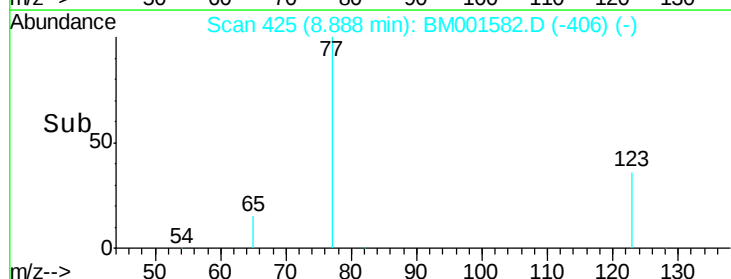
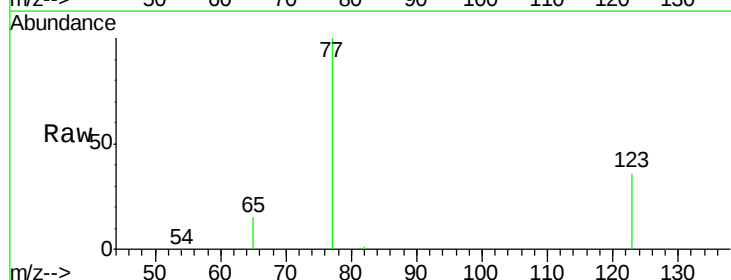
Tgt Ion: 77 Resp: 50609

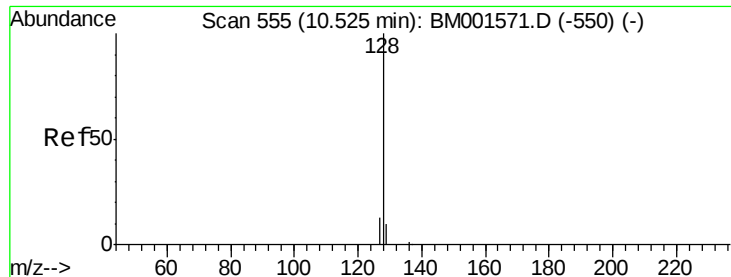
Ion Ratio Lower Upper

77 100

123 40.3 31.7 47.5

65 14.5 11.4 17.0





#9

Naphthalene

Concen: 8.02 ng

RT: 10.52 min Scan# 555

Delta R.T. -0.00 min

Lab File: BM001582.D

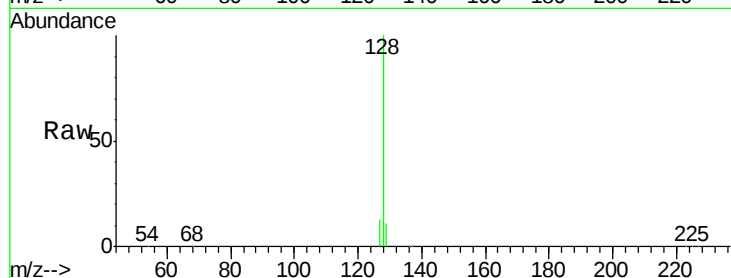
Acq: 06 Jun 2015 07:29

Instrument :

BNA_M

ClientSampleId :

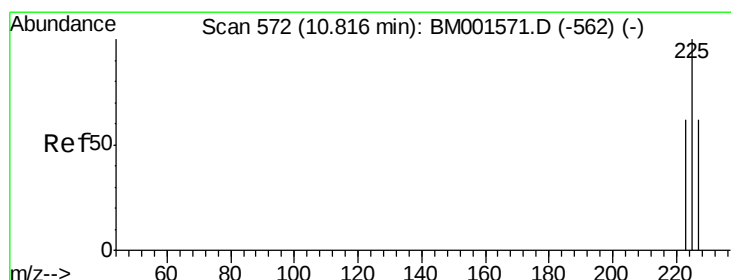
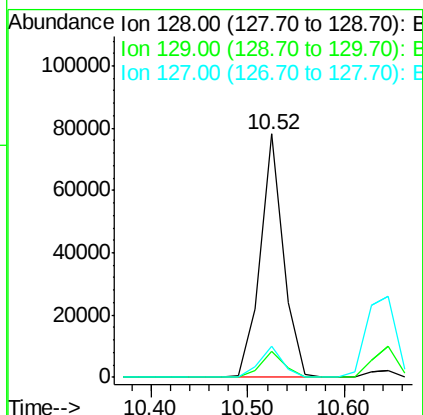
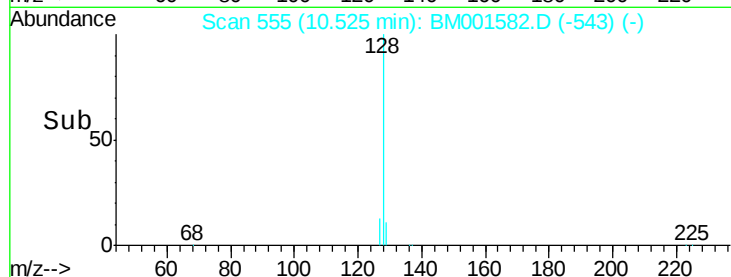
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Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	12.7	10.7	16.1

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#10

Hexachlorobutadiene

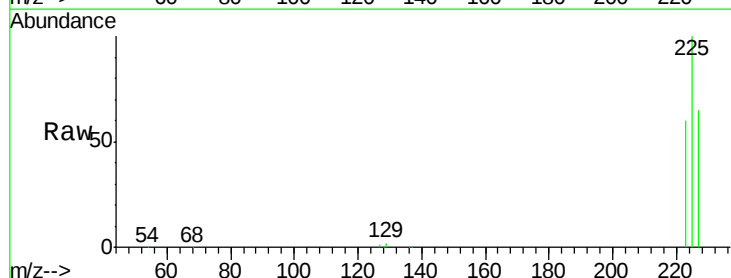
Concen: 8.23 ng

RT: 10.82 min Scan# 572

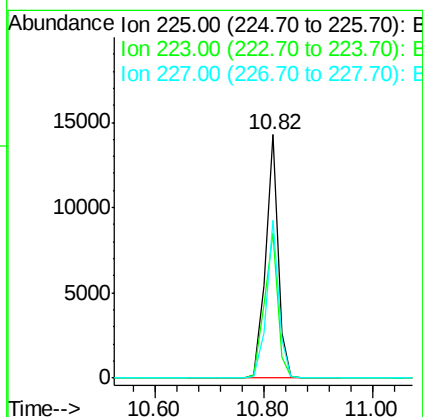
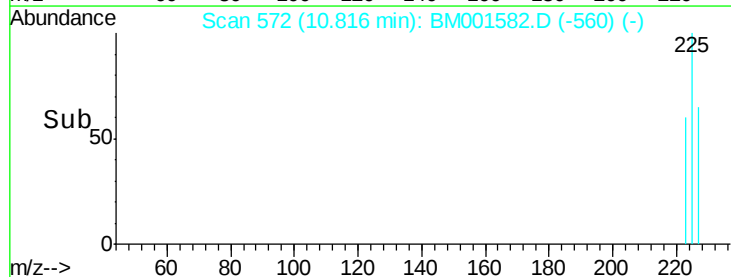
Delta R.T. -0.00 min

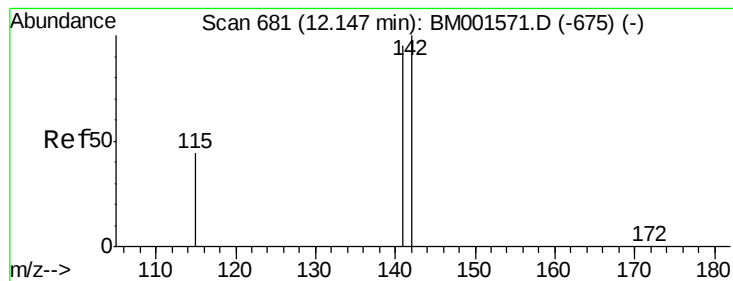
Lab File: BM001582.D

Acq: 06 Jun 2015 07:29



Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.4	75.6
227	63.4	50.8	76.2





#11

2-Methylnaphthalene

Concen: 8.29 ng

RT: 12.15 min Scan# 681

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

Instrument :

BNA_M

ClientSampleId :

PB83718BSD

Tgt Ion:142 Resp: 83377

Ion Ratio Lower Upper

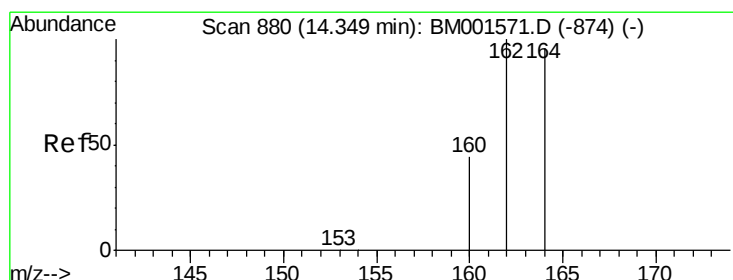
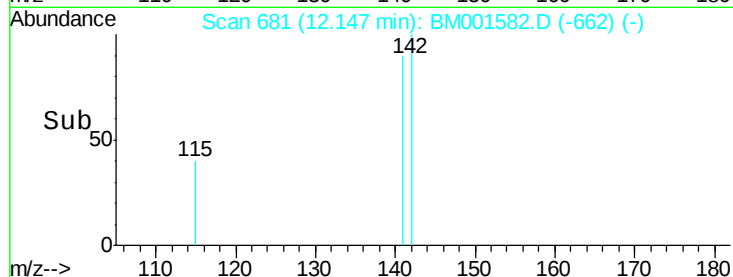
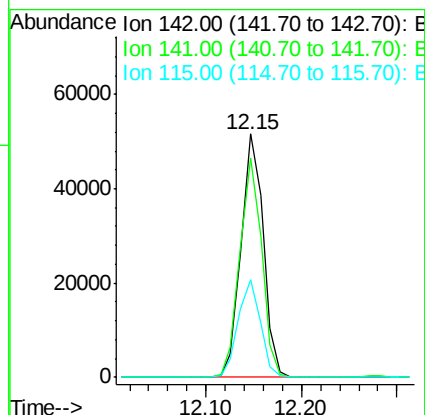
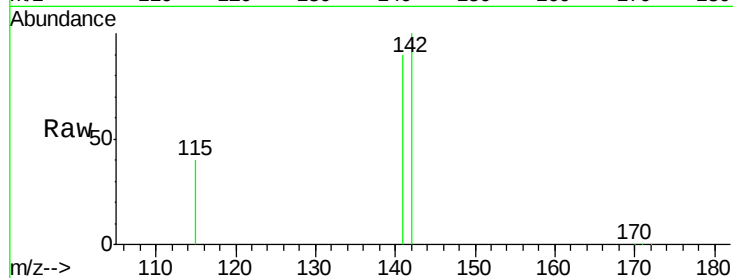
142 100

141 90.3 75.6 113.4

115 40.3 35.5 53.3

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#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.35 min Scan# 880

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

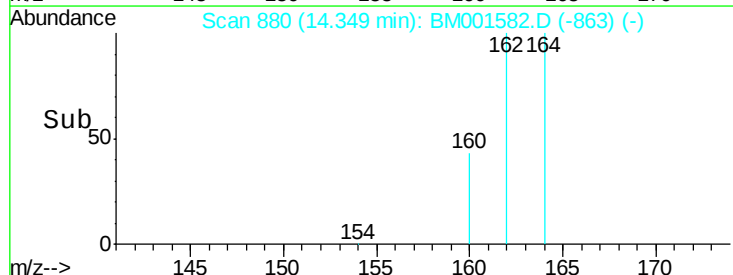
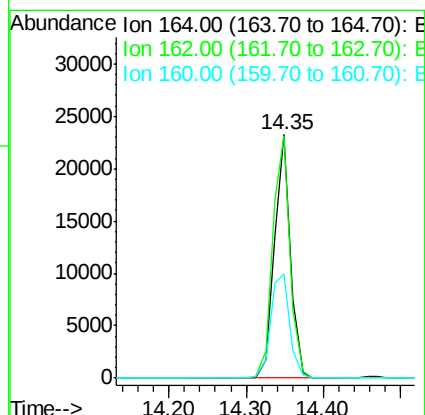
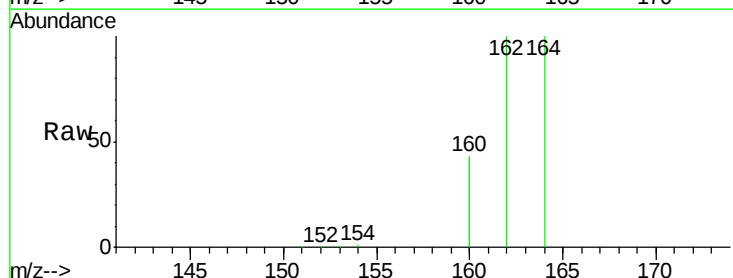
Tgt Ion:164 Resp: 33724

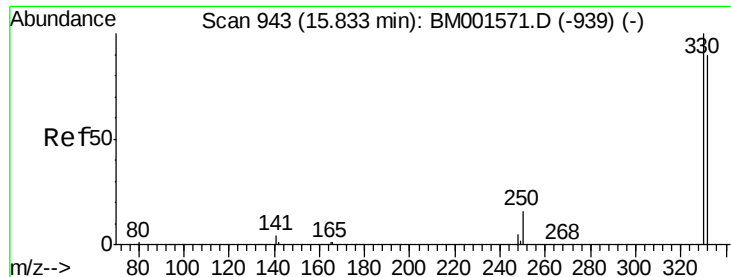
Ion Ratio Lower Upper

164 100

162 99.6 83.8 125.6

160 43.0 37.1 55.7





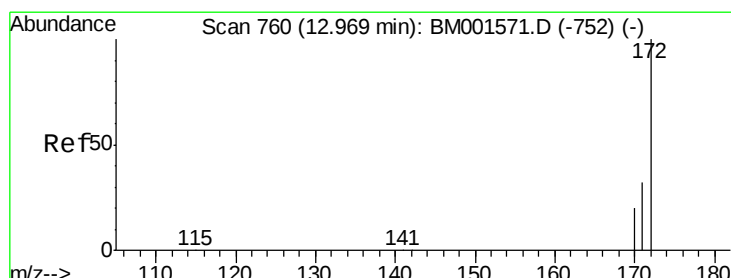
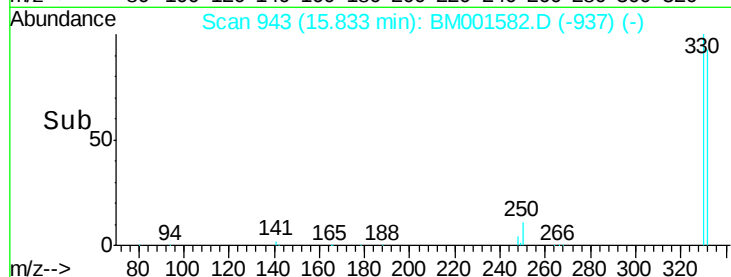
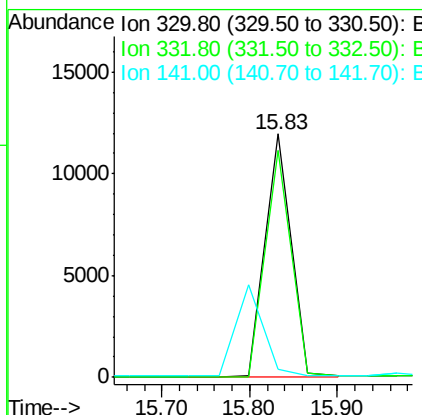
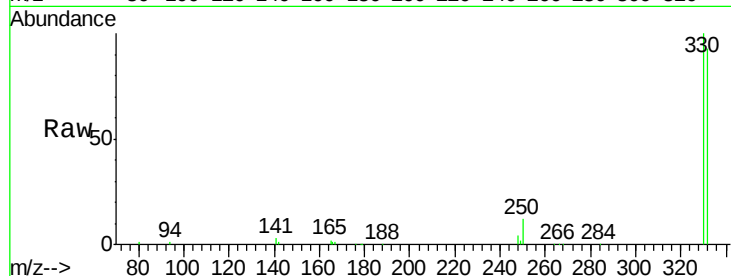
#13
 2,4,6-Tribromophenol
 Concen: 15.27 ng
 RT: 15.83 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: BM001582.D
 Acq: 06 Jun 2015 07:29

Instrument :
 BNA_M
 ClientSampleId :
 PB83718BSD

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	24682		
332	93.2	72.0	108.0	
141	0.0	0.0	0.0	

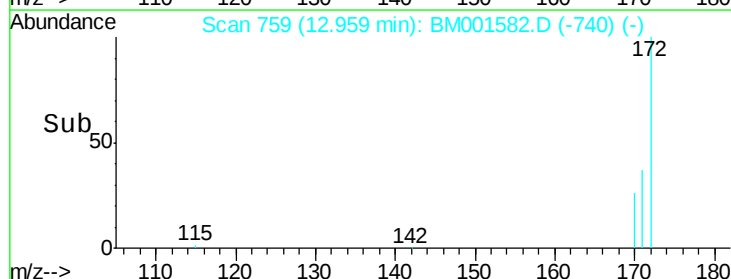
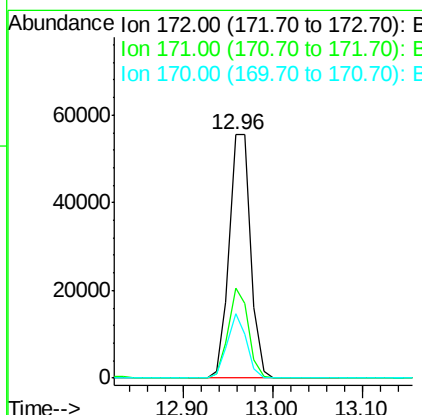
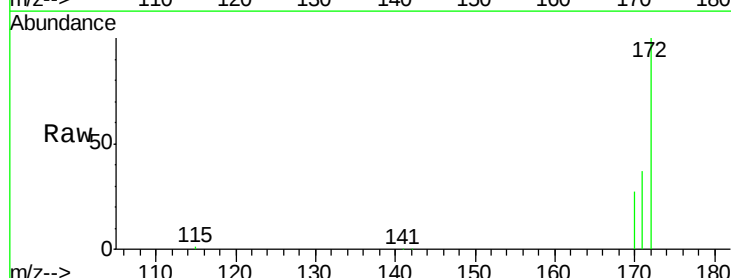
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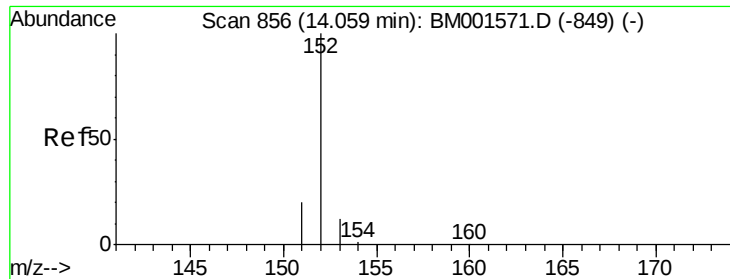
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#14
 2-Fluorobiphenyl
 Concen: 8.89 ng
 RT: 12.96 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: BM001582.D
 Acq: 06 Jun 2015 07:29

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	92343		
171	37.0	26.2	39.2	
170	26.6	16.1	24.1	





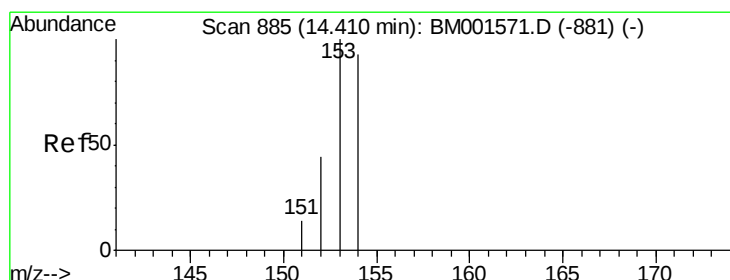
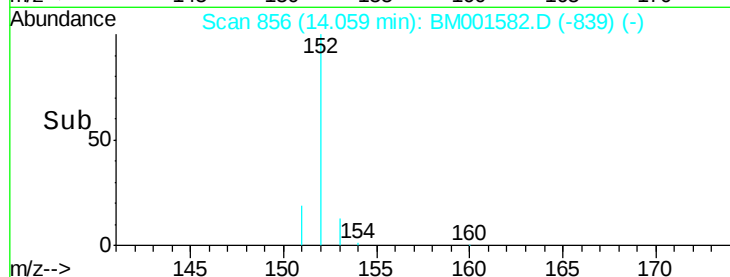
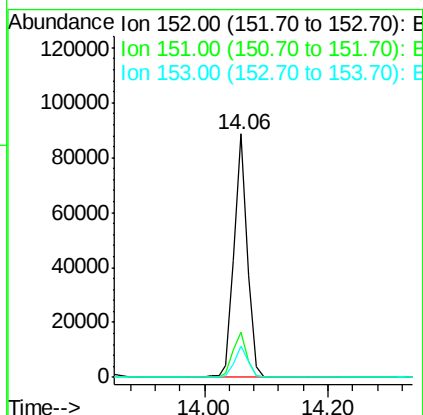
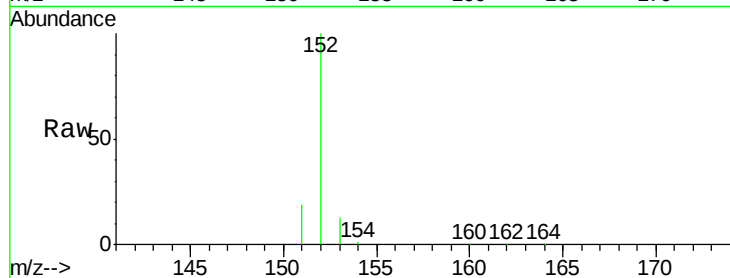
#15
Acenaphthylene
Concen: 8.85 ng
RT: 14.06 min Scan# 856
Delta R.T. -0.00 min
Lab File: BM001582.D
Acq: 06 Jun 2015 07:29

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.2	22.8
153	12.8	10.3	15.5

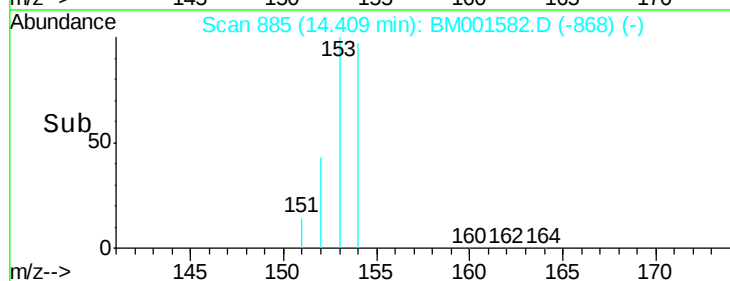
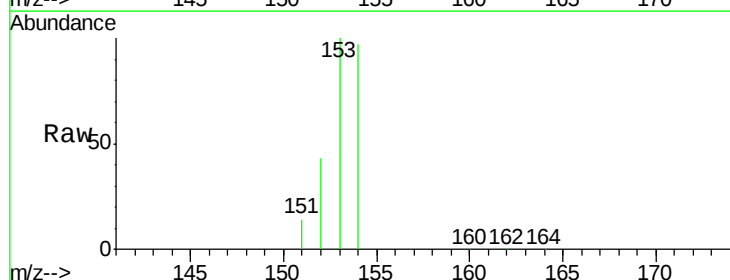
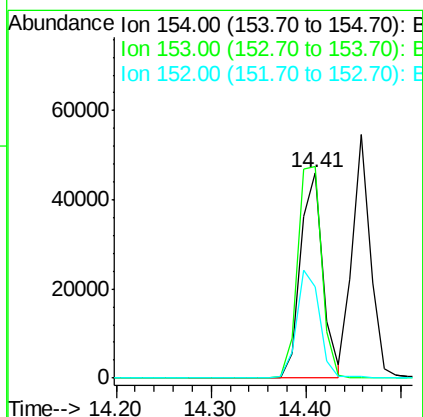
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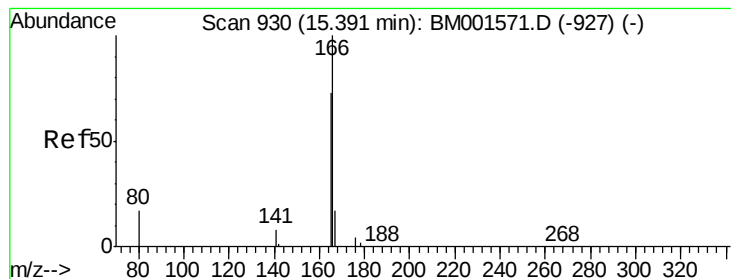
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#16
Acenaphthene
Concen: 8.23 ng
RT: 14.41 min Scan# 885
Delta R.T. -0.00 min
Lab File: BM001582.D
Acq: 06 Jun 2015 07:29

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.2	89.1	133.7
152	53.2	43.2	64.8





#17

Fluorene

Concen: 8.24 ng

RT: 15.36 min Scan# 929

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

Instrument :

BNA_M

ClientSampleId :

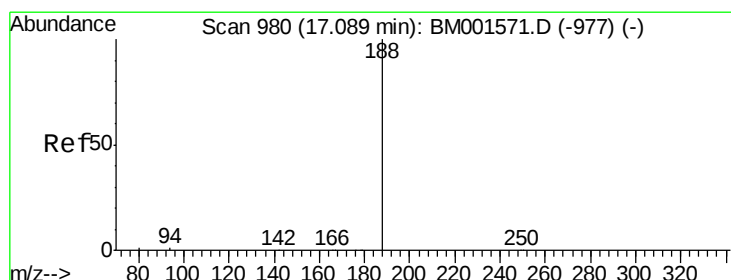
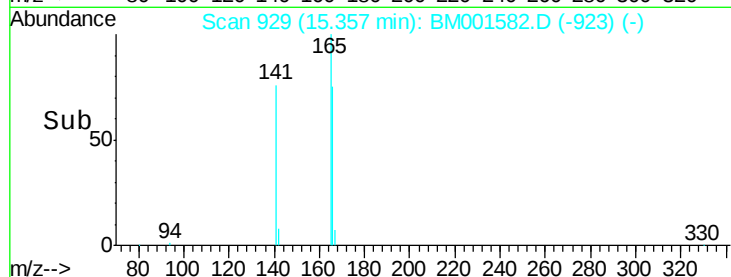
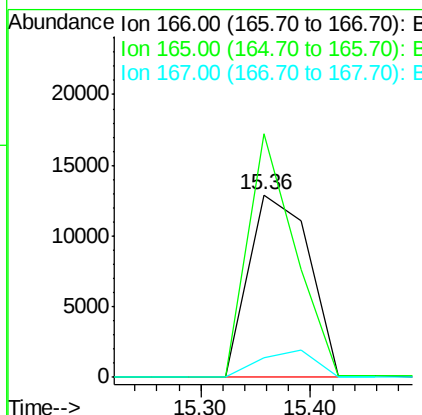
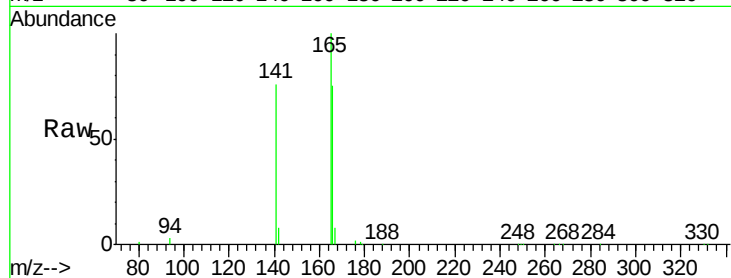
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Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.7	0.0	0.0#
167	0.0	11.3	16.9#



#18

Phenanthrene-d10

Concen: 5.00 ng

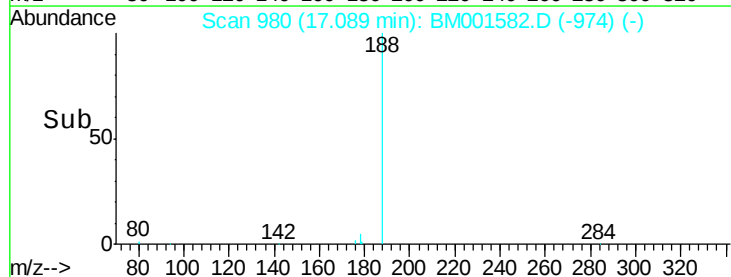
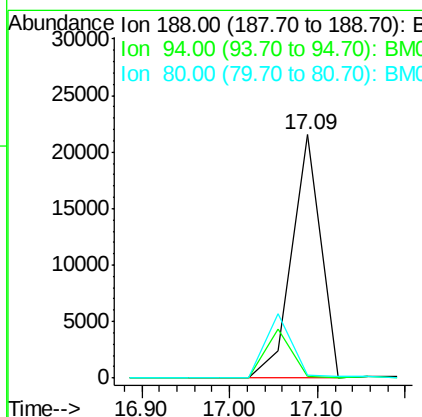
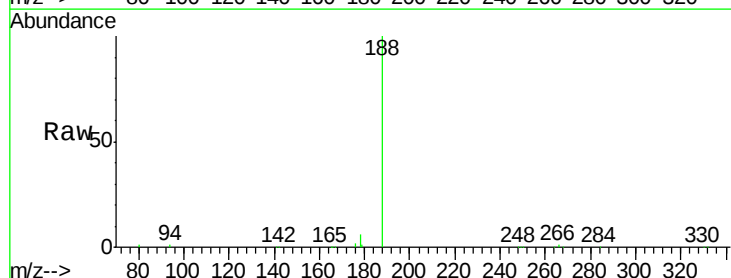
RT: 17.09 min Scan# 980

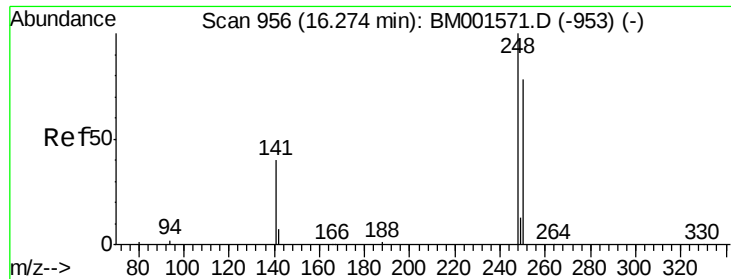
Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.8	0.7	1.1
80	1.1	0.6	1.0#





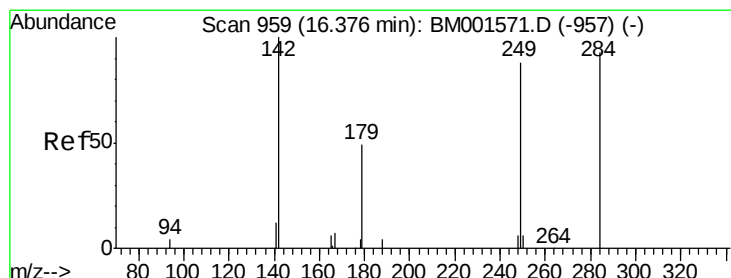
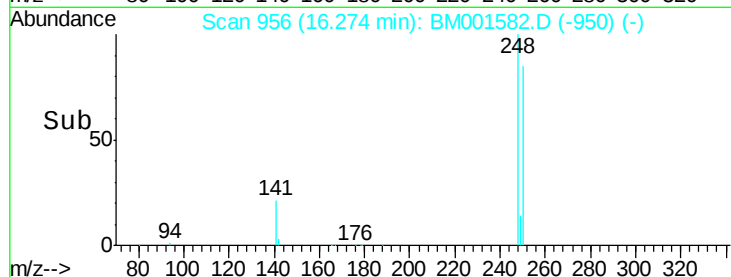
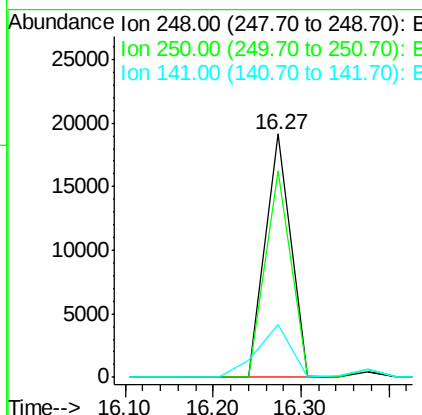
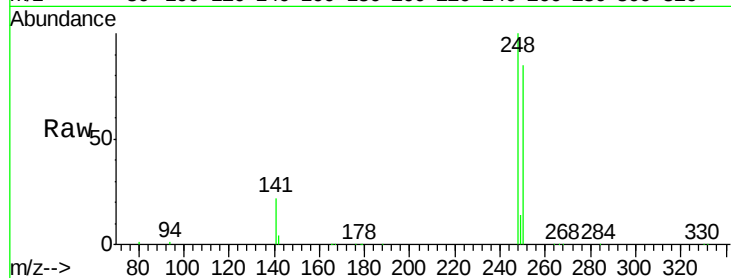
#19
4-Bromophenyl-phenylether
Concen: 10.05 ng
RT: 16.27 min Scan# 956
Delta R.T. 0.00 min
Lab File: BM001582.D
Acq: 06 Jun 2015 07:29

Instrument :
BNA_M
ClientSampleId :
PB83718BSD

Tgt Ion	Ratio	Lower	Upper
248	100		
250	85.3	63.1	94.7
141	28.3	35.0	52.6

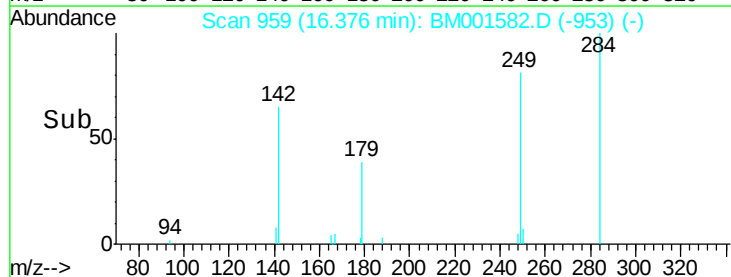
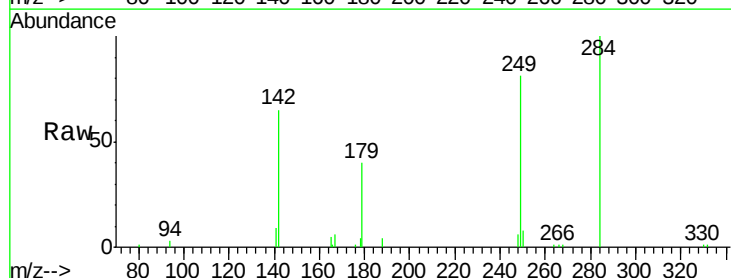
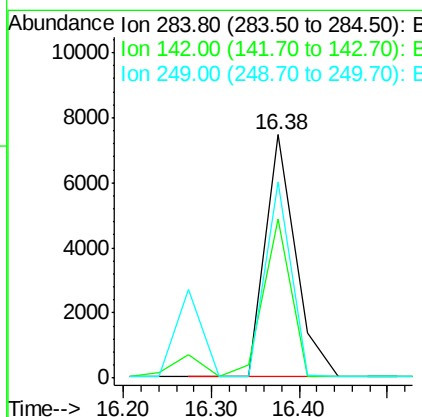
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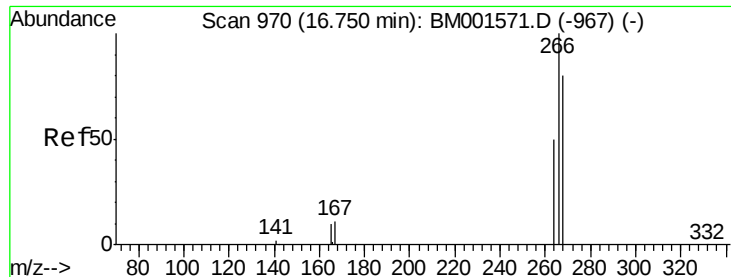
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#20
Hexachlorobenzene
Concen: 11.57 ng
RT: 16.38 min Scan# 959
Delta R.T. 0.00 min
Lab File: BM001582.D
Acq: 06 Jun 2015 07:29

Tgt Ion	Ratio	Lower	Upper
284	100		
142	66.9	64.2	96.2
249	68.6	55.4	83.0





#21

Pentachlorophenol

Concen: 130.72 ng

RT: 16.75 min Scan# 970

Delta R.T. 0.03 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

Instrument :

BNA_M

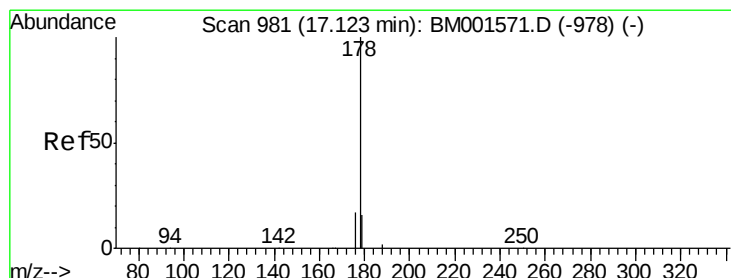
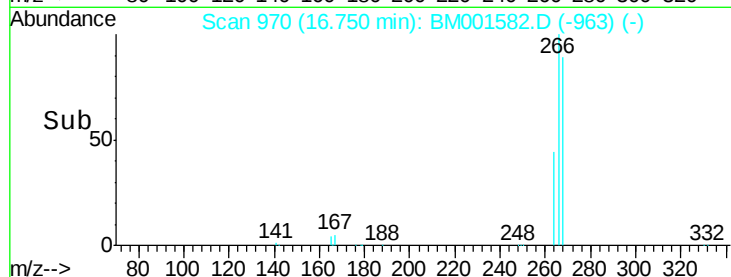
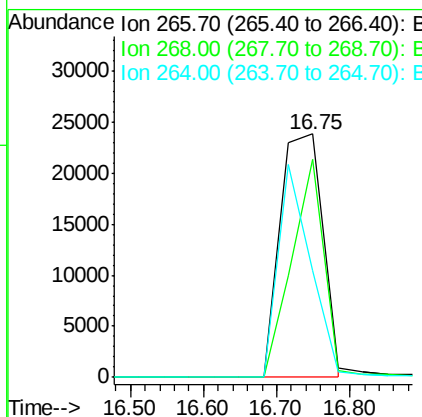
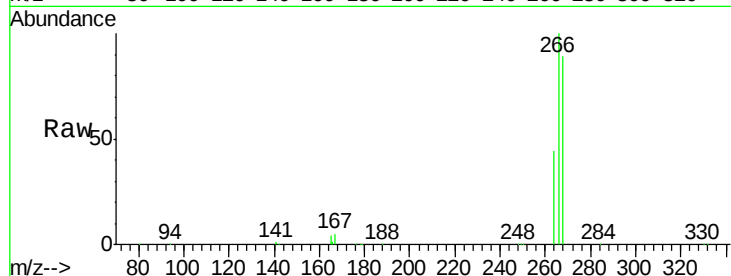
ClientSampleId :

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Tgt Ion:	266	Resp:	97180
Ion Ratio	Lower	Upper	
266	100		
268	89.4	66.3	99.5
264	44.0	45.5	68.3#



#22

Phenanthrene

Concen: 9.11 ng

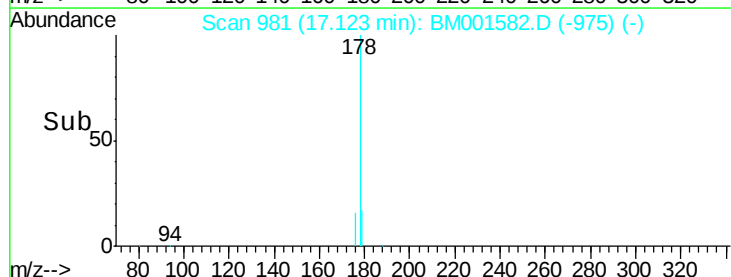
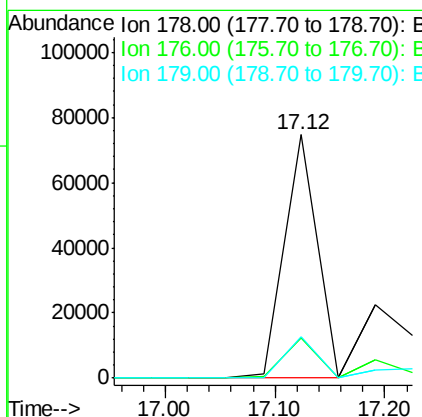
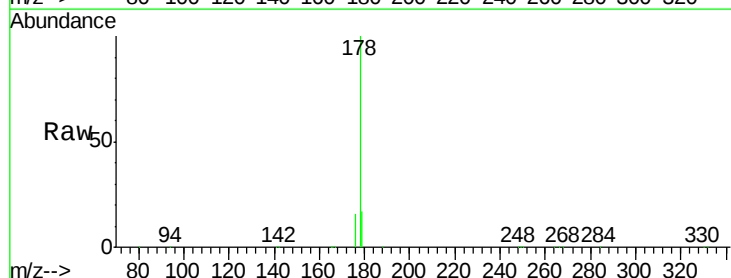
RT: 17.12 min Scan# 981

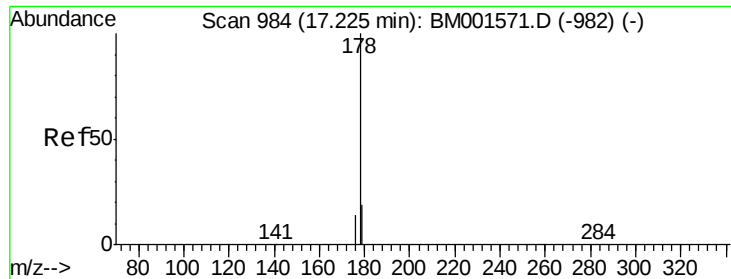
Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

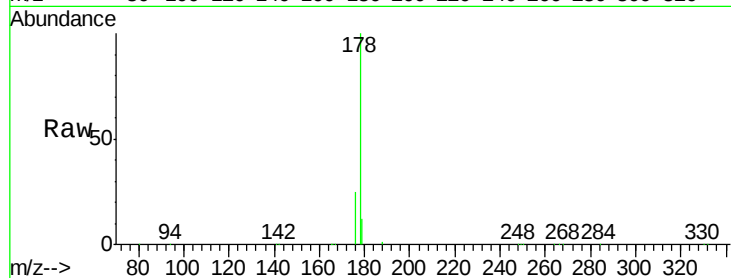
Tgt Ion:	178	Resp:	154758
Ion Ratio	Lower	Upper	
178	100		
176	16.5	13.5	20.3
179	16.9	13.3	19.9





#23
 Anthracene
 Concen: 10.23 ng m
 RT: 17.19 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: BM001582.D
 Acq: 06 Jun 2015 07:29

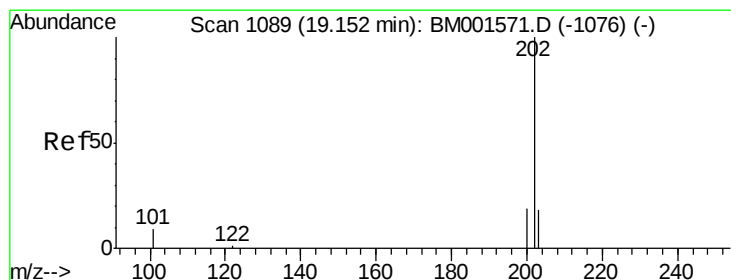
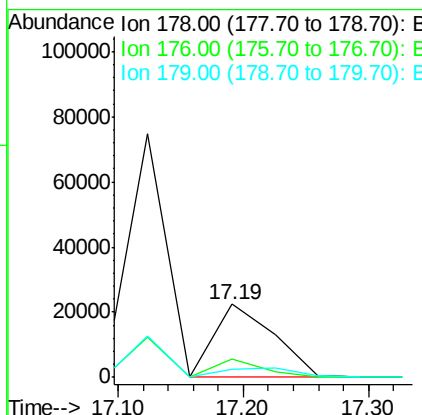
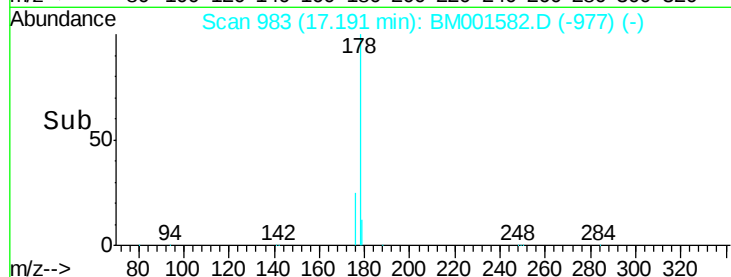
Instrument :
 BNA_M
 ClientSampleId :
 PB83718BSD



Tgt Ion	Ratio	Lower	Upper
178	100		
176	55.3	45.9	68.9
179	51.0	33.3	49.9

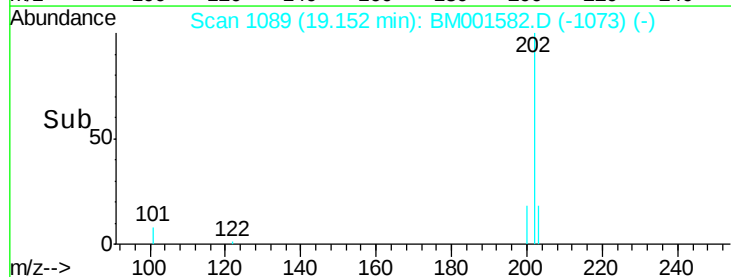
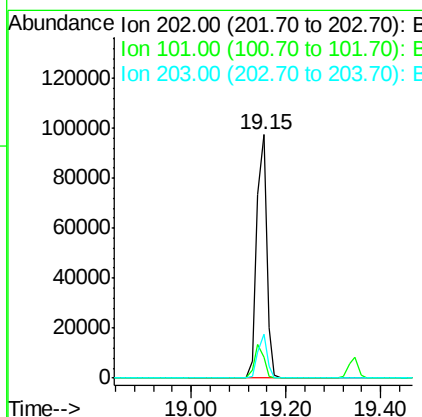
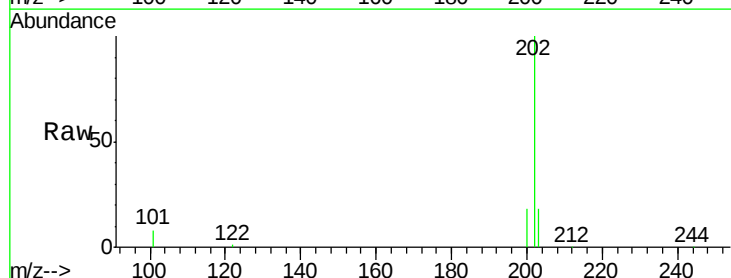
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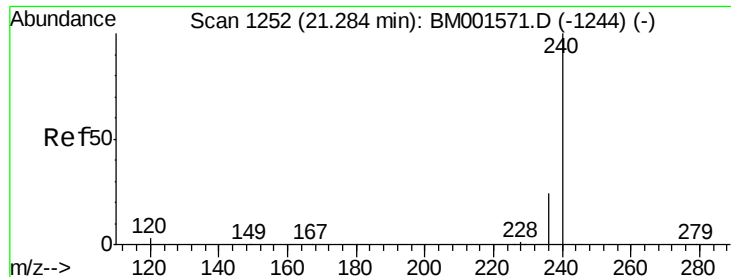
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#24
 Fluoranthene
 Concen: 11.01 ng
 RT: 19.15 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: BM001582.D
 Acq: 06 Jun 2015 07:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	10.0	15.0
203	17.2	13.9	20.9





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.28 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

Instrument :

BNA_M

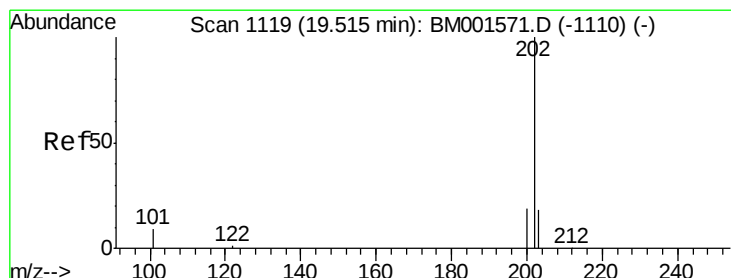
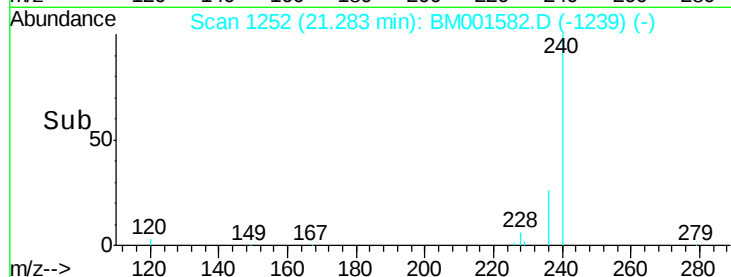
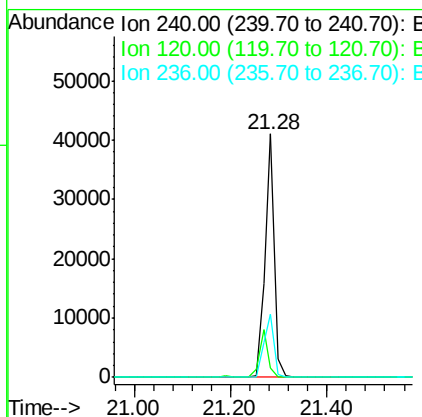
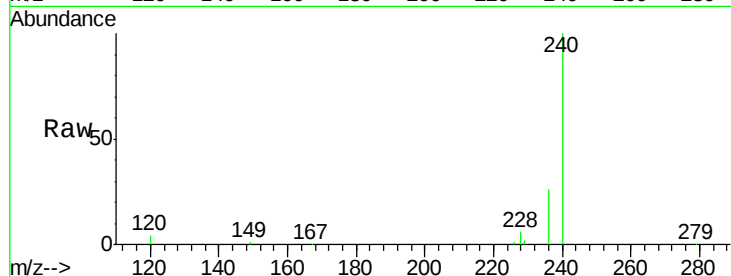
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
240	100		
120	3.6	2.2	3.2#
236	25.8	19.5	29.3

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#26

Pyrene

Concen: 8.76 ng

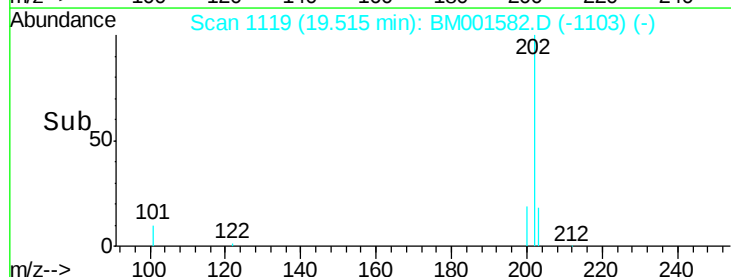
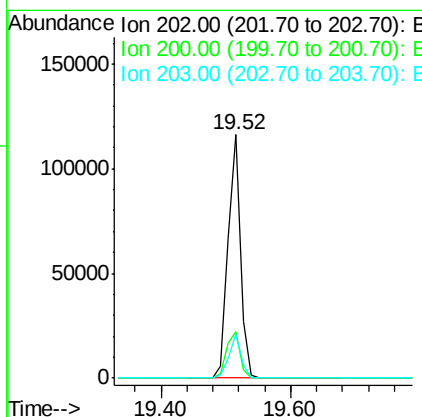
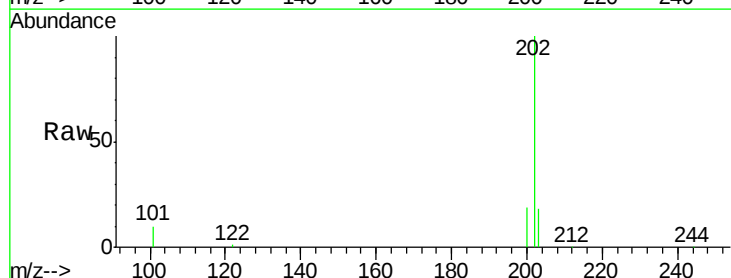
RT: 19.52 min Scan# 1119

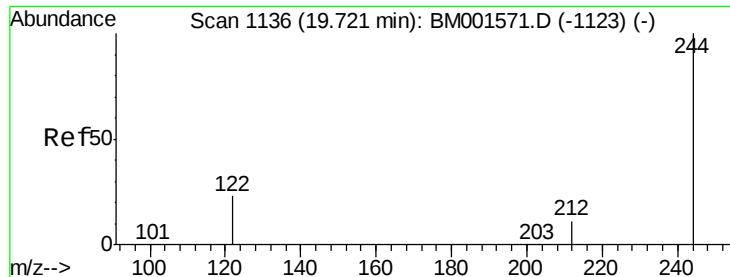
Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	24.8
203	17.7	13.9	20.9





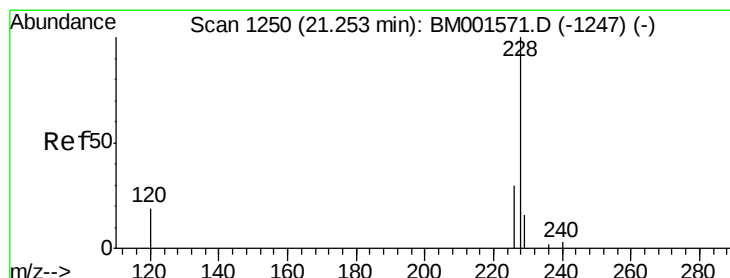
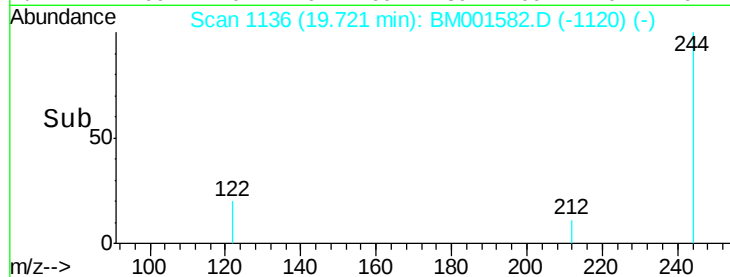
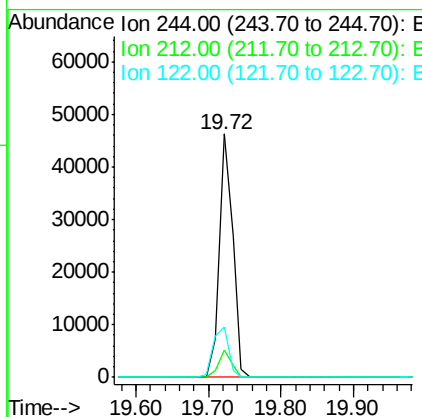
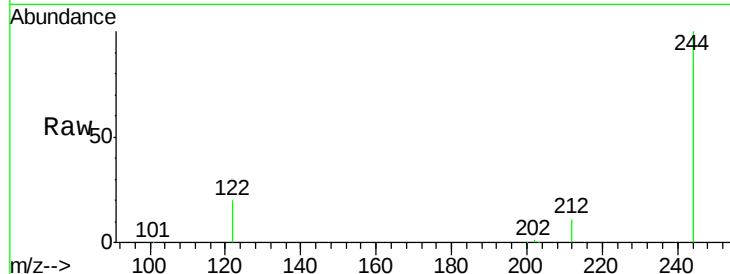
#27
 Terphenyl-d14
 Concen: 8.28 ng
 RT: 19.72 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: BM001582.D
 Acq: 06 Jun 2015 07:29

Instrument :
 BNA_M
 ClientSampleId :
 PB83718BSD

Tgt Ion	Ratio	Lower	Upper
244	100		
212	11.4	9.6	14.4
122	20.5	19.0	28.4

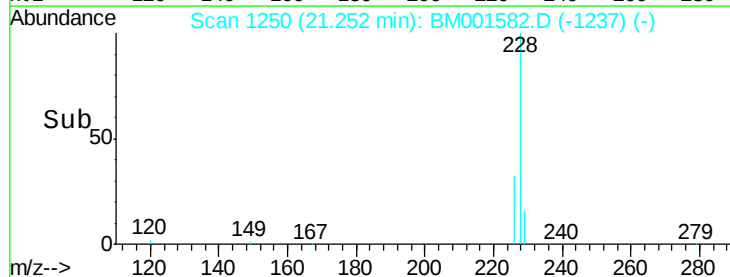
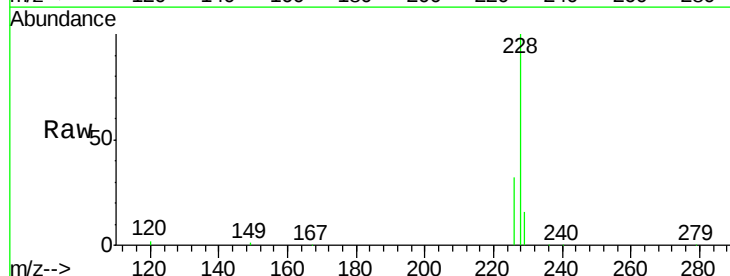
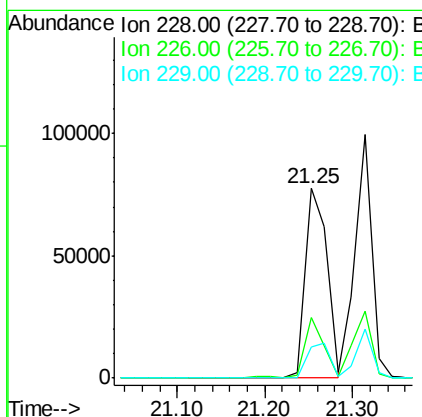
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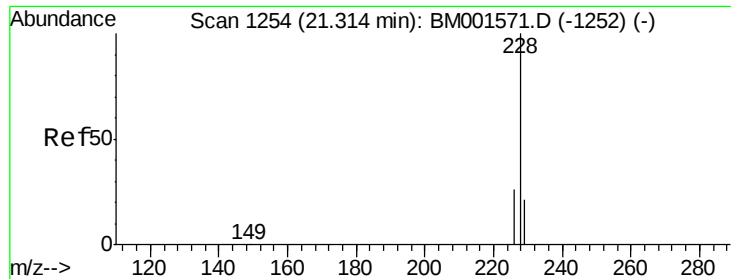
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#28
 Benzo(a)anthracene
 Concen: 8.47 ng
 RT: 21.25 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: BM001582.D
 Acq: 06 Jun 2015 07:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.8	37.2
229	16.2	13.4	20.0





#29

Chrysene

Concen: 8.68 ng

RT: 21.31 min Scan# 1254

Delta R.T. -0.00 min

Lab File: BM001582.D

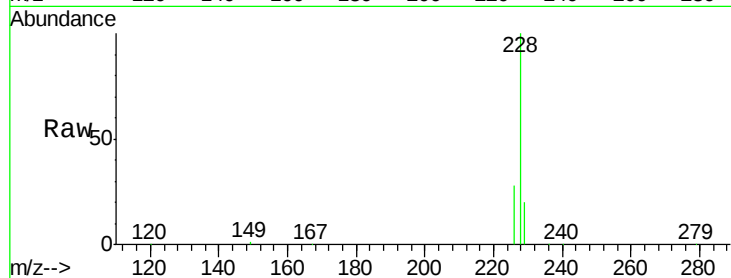
Acq: 06 Jun 2015 07:29

Instrument :

BNA_M

ClientSampleId :

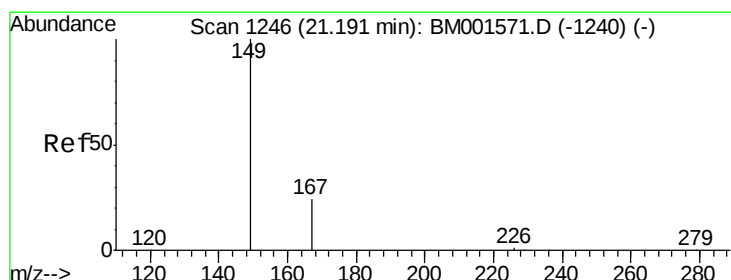
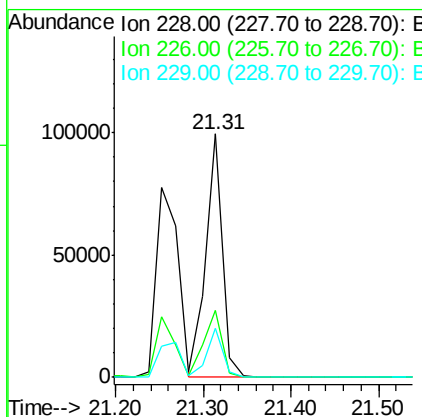
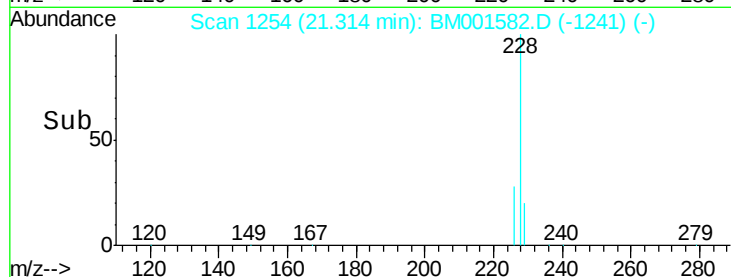
PB83718BSD



Tgt Ion:	228	Resp:	130938
Ion Ratio	Lower	Upper	
228	100		
226	27.6	21.0	31.6
229	20.0	17.2	25.8

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#30

Bis(2-ethylhexyl)phthalate

Concen: 9.55 ng

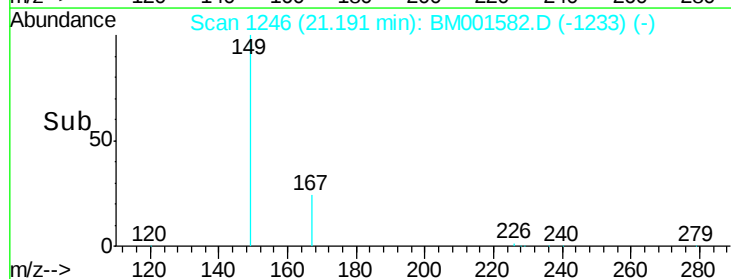
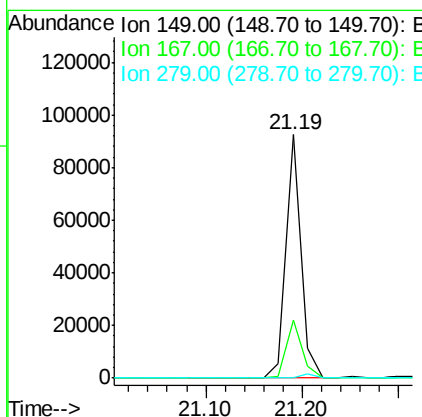
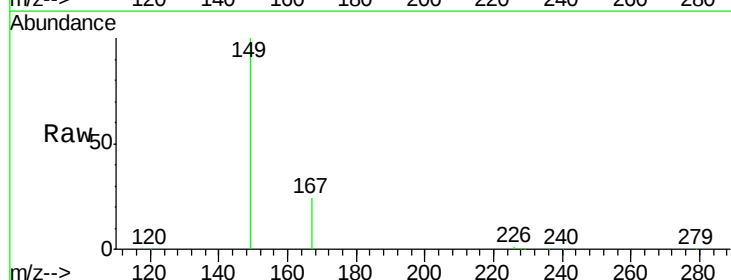
RT: 21.19 min Scan# 1246

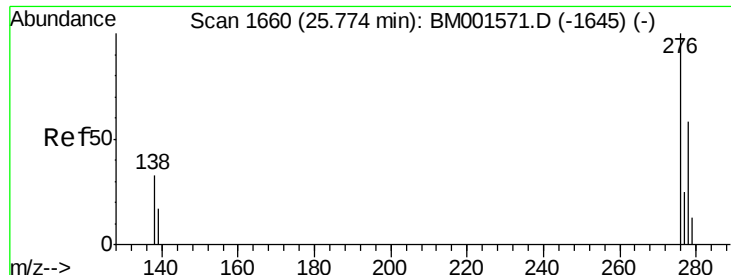
Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

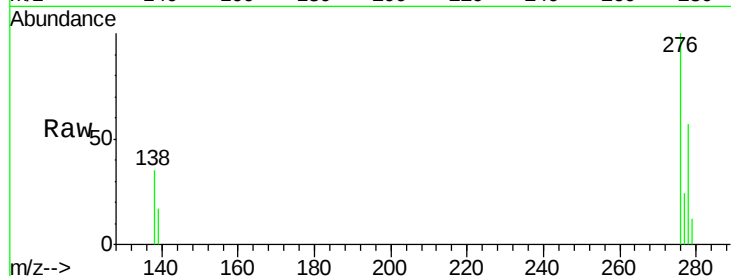
Tgt Ion:	149	Resp:	101467
Ion Ratio	Lower	Upper	
149	100		
167	25.0	20.2	30.2
279	2.0	1.8	2.6





#31
 Indeno(1,2,3-cd)pyrene
 Concen: 8.25 ng
 RT: 25.77 min Scan# 1660
 Delta R.T. 0.01 min
 Lab File: BM001582.D
 Acq: 06 Jun 2015 07:29

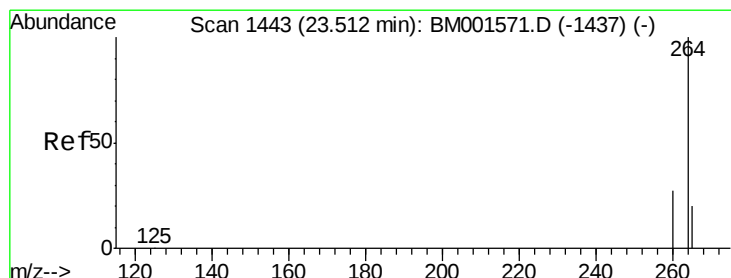
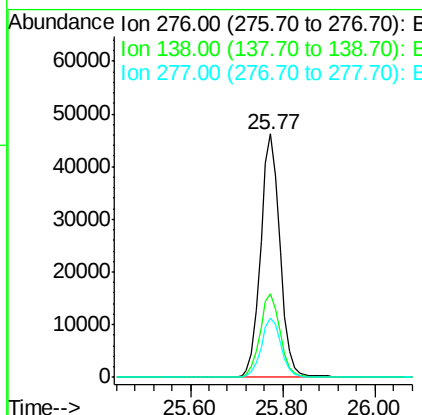
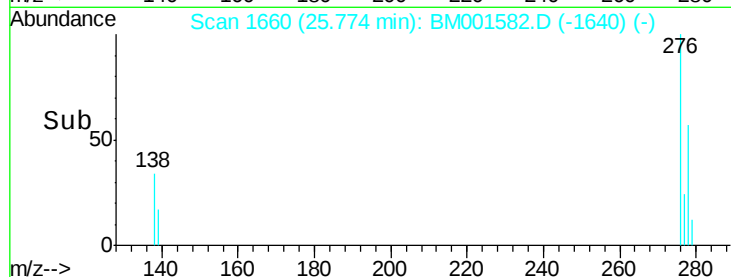
Instrument :
 BNA_M
 ClientSampleId :
 PB83718BSD



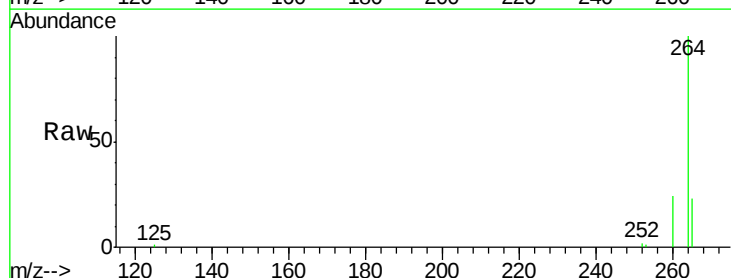
Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	35.7	28.0	42.0
277	24.6	19.7	29.5

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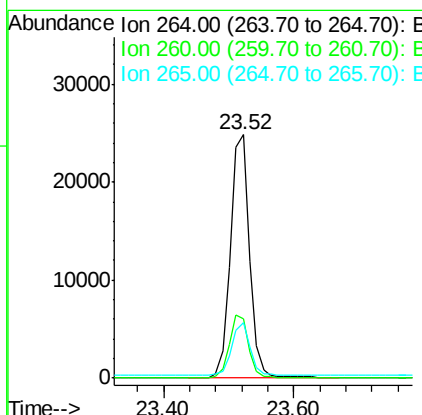
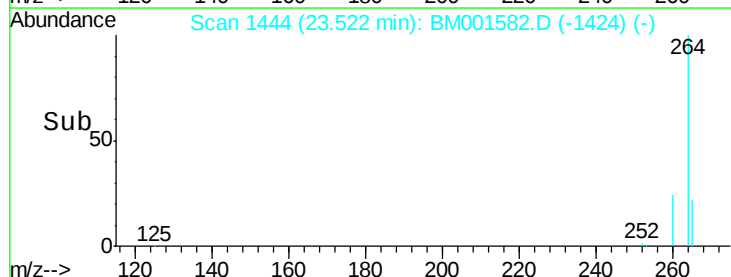
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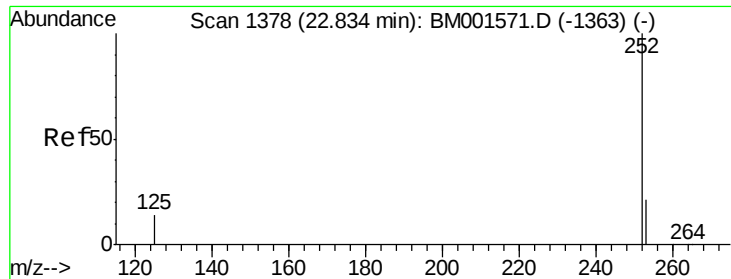


#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.52 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: BM001582.D
 Acq: 06 Jun 2015 07:29



Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.2	21.6	32.4
265	23.0	16.5	24.7





#33

Benzo(b)fluoranthene

Concen: 9.26 ng

RT: 22.83 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BM001582.D

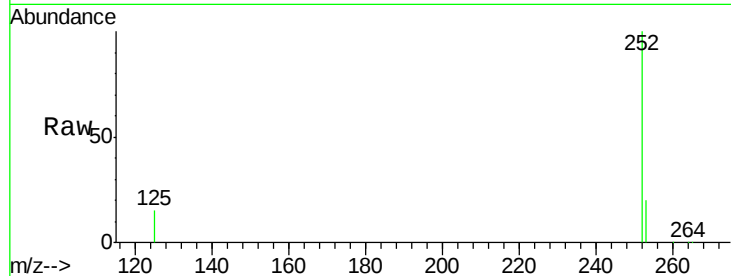
Acq: 06 Jun 2015 07:29

Instrument :

BNA_M

ClientSampleId :

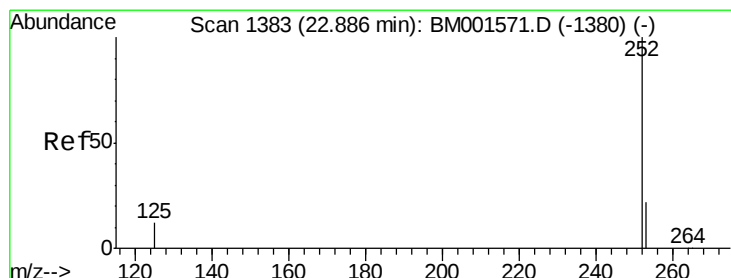
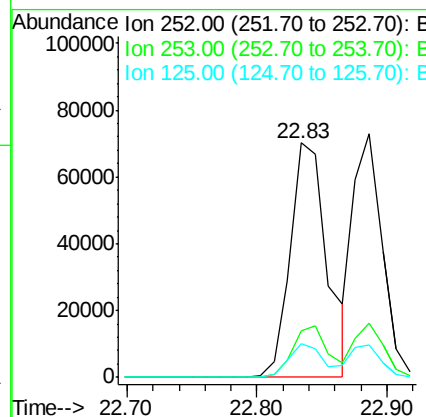
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.0	17.4	26.2
125	14.6	11.8	17.8

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#34

Benzo(k)fluoranthene

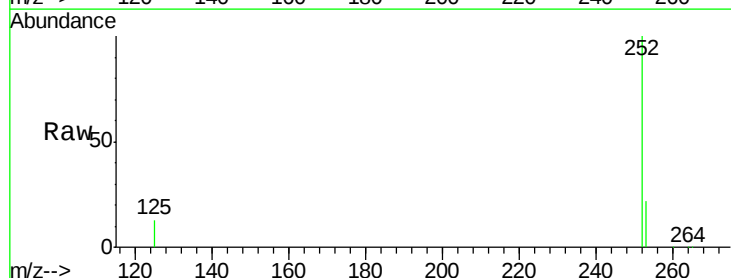
Concen: 8.38 ng

RT: 22.89 min Scan# 1383

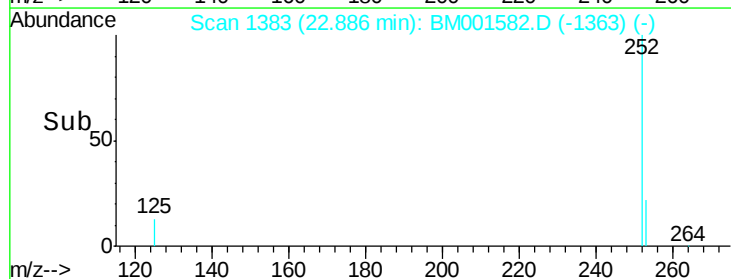
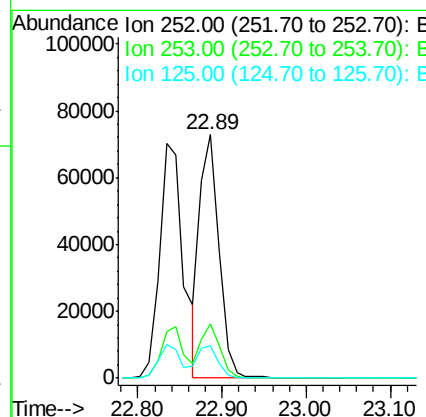
Delta R.T. 0.01 min

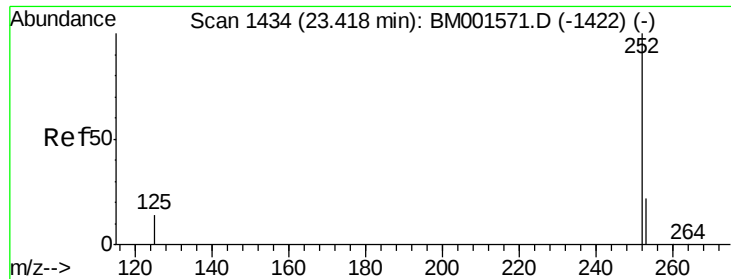
Lab File: BM001582.D

Acq: 06 Jun 2015 07:29



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.8	28.2
125	13.1	10.7	16.1





#35

Benzo(a)pyrene

Concen: 9.20 ng

RT: 23.42 min Scan# 1434

Delta R.T. 0.01 min

Lab File: BM001582.D

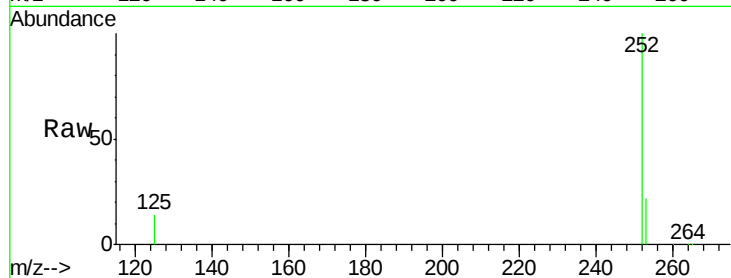
Acq: 06 Jun 2015 07:29

Instrument :

BNA_M

ClientSampleId :

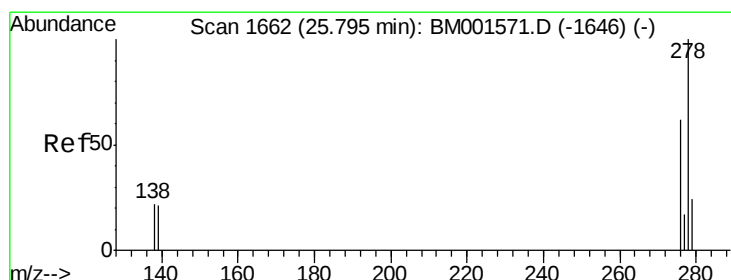
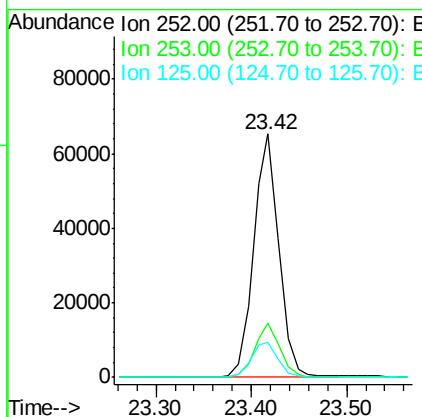
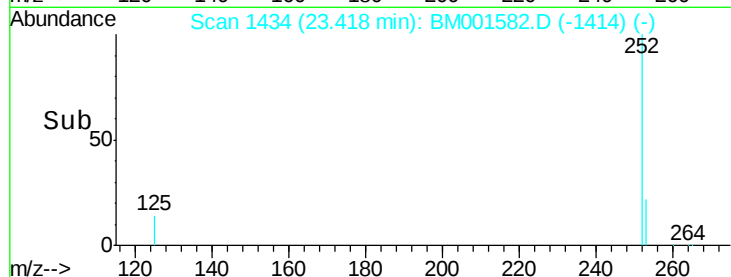
PB83718BSD



Tgt Ion:	252	Resp:	119225
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.8	28.2
125	14.5	12.1	18.1

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#36

Dibenzo(a,h)anthracene

Concen: 8.46 ng

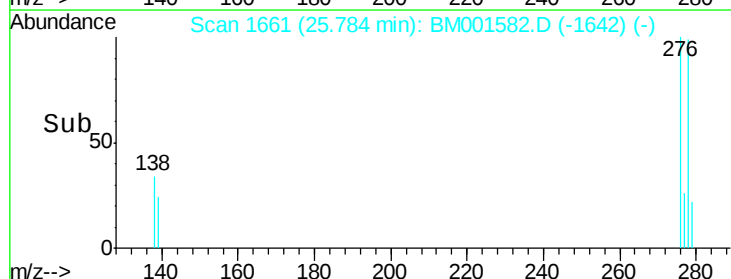
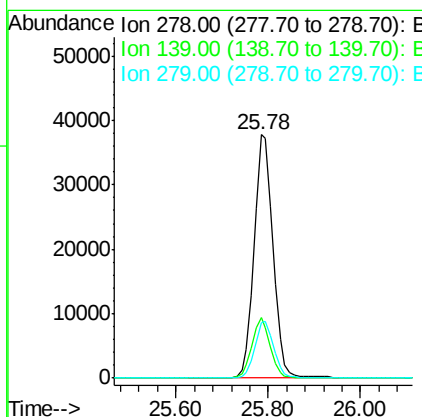
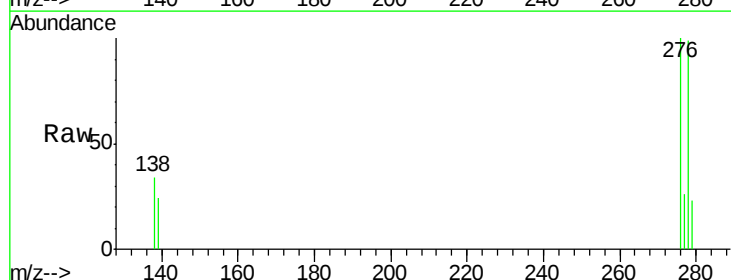
RT: 25.78 min Scan# 1661

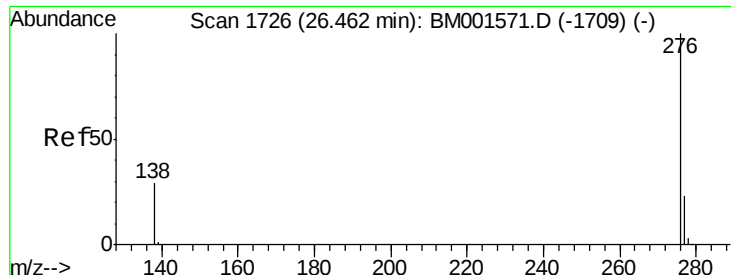
Delta R.T. -0.00 min

Lab File: BM001582.D

Acq: 06 Jun 2015 07:29

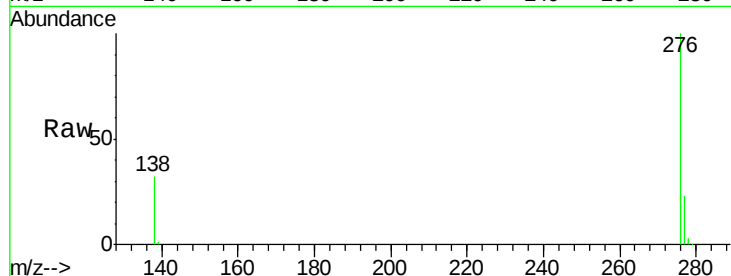
Tgt Ion:	278	Resp:	107463
Ion Ratio	Lower	Upper	
278	100		
139	24.6	17.4	26.0
279	22.7	20.0	30.0





#37
 Benzo(g,h,i)perylene
 Concen: 8.29 ng
 RT: 26.46 min Scan# 1726
 Delta R.T. -0.00 min
 Lab File: BM001582.D
 Acq: 06 Jun 2015 07:29

Instrument :
 BNA_M
 ClientSampleId :
 PB83718BSD



Tgt Ion:	276	Resp:	110661
Ion Ratio	Lower	Upper	
276	100		
277	23.0	19.2	28.8
138	31.5	23.7	35.5

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