

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060615\
 Data File : BM001584.D
 Acq On : 06 Jun 2015 08:41
 Operator : TP/IZ
 Sample : PB83802BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB83802BS

Manual Integrations
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 6/8/2015 2:48:14 PM

Quant Time: Jun 08 05:51:23 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	7.70	152	23417	5.00	ng	0.00
6) Naphthalene-d8	10.47	136	88053	5.00	ng	0.00
12) Acenaphthene-d10	14.35	164	43211	5.00	ng	0.00
18) Phenanthrene-d10	17.09	188	65037	5.00	ng	0.00
25) Chrysene-d12	21.28	240	67923	5.00	ng	0.00
32) Perylene-d12	23.52	264	52660	5.00	ng	0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.27	112	63561	12.29	ng	0.00
5) Phenol-d6	6.84	99	84549	13.30	ng	0.00
7) Nitrobenzene-d5	8.85	82	53665	8.95	ng	0.00
13) 2,4,6-Tribromophenol	15.83	330	32638	15.76	ng	0.00
14) 2-Fluorobiphenyl	12.96	172	112441	8.44	ng	0.00
27) Terphenyl-d14	19.72	244	77140	8.79	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.21	88	17430	8.58	ng	97
3) n-Nitrosodimethylamine	3.51	42	30735	8.60	ng	# 97
8) Nitrobenzene	8.89	77	59062	9.19	ng	99
9) Naphthalene	10.52	128	151515	7.97	ng	99
10) Hexachlorobutadiene	10.82	225	26853	8.10	ng	100
11) 2-Methylnaphthalene	12.15	142	101393	8.52	ng	94
15) Acenaphthylene	14.06	152	161603	8.66	ng	100
16) Acenaphthene	14.41	154	94260	8.02	ng	99
17) Fluorene	15.36	166	60500	8.00	ng	# 65
19) 4-Bromophenyl-phenylether	16.27	248	50839	9.81	ng	# 85
20) Hexachlorobenzene	16.38	284	22356	10.82	ng	96
21) Pentachlorophenol	16.75	266	120148	121.02	ng	# 89
22) Phenanthrene	17.12	178	202151	8.91	ng	100
23) Anthracene	17.19	178	89445m	9.36	ng	
24) Fluoranthene	19.15	202	190202	10.78	ng	100
26) Pyrene	19.52	202	202361	9.26	ng	99
28) Benzo(a)anthracene	21.25	228	161494	8.44	ng	98
29) Chrysene	21.31	228	155576	8.52	ng	98
30) Bis(2-ethylhexyl)phthalate	21.19	149	135799	10.53	ng	100
31) Indeno(1,2,3-cd)pyrene	25.77	276	130258	6.64	ng	99
33) Benzo(b)fluoranthene	22.84	252	146318	9.30	ng	96
34) Benzo(k)fluoranthene	22.89	252	122217	8.53	ng	98
35) Benzo(a)pyrene	23.42	252	123480	8.98	ng	98
36) Dibenzo(a,h)anthracene	25.79	278	104798	7.78	ng	98
37) Benzo(g,h,i)perylene	26.46	276	107704	7.60	ng	98

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

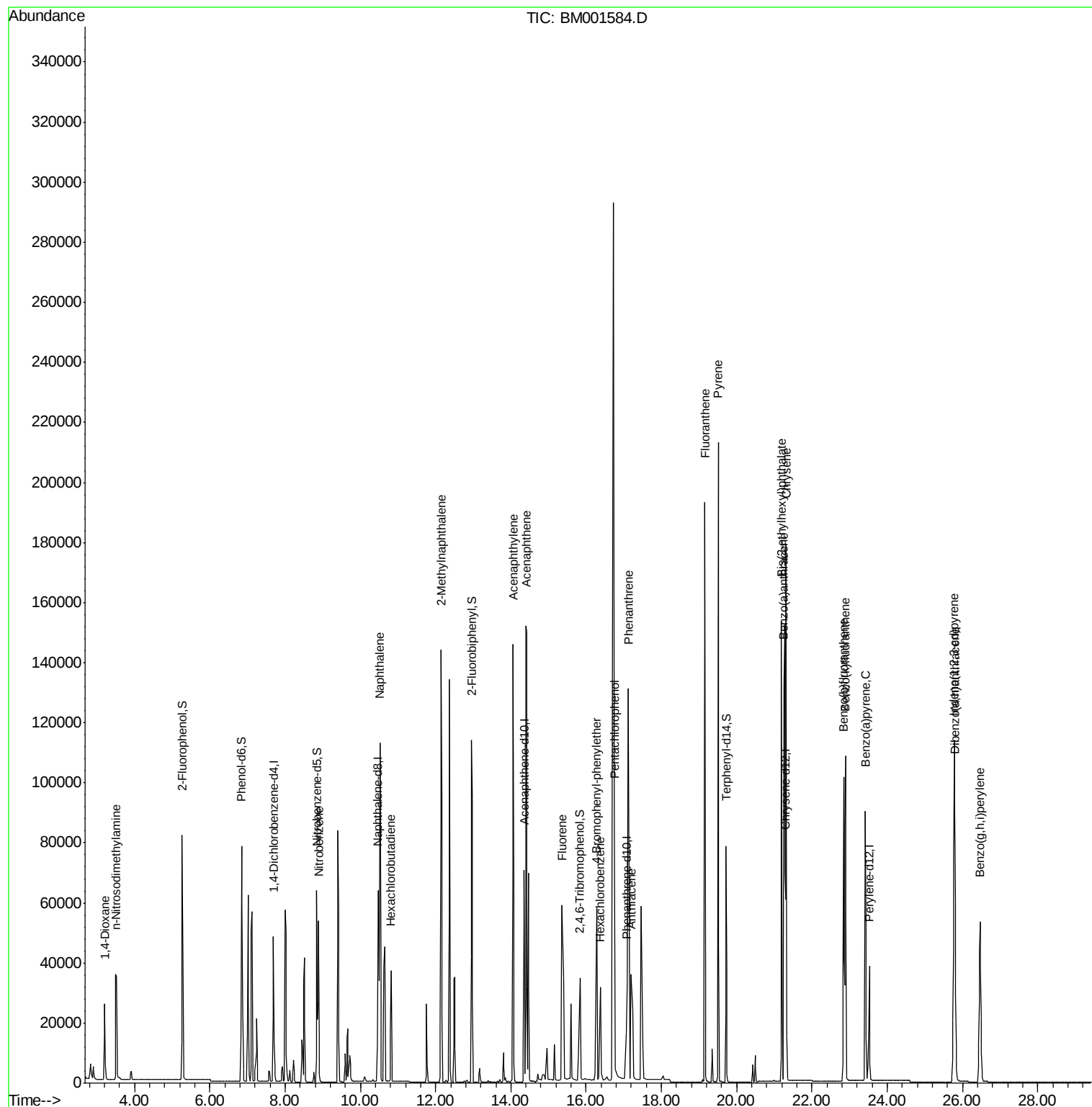
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060615\
Data File : BM001584.D
Acq On : 06 Jun 2015 08:41
Operator : TP/IZ
Sample : PB83802BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

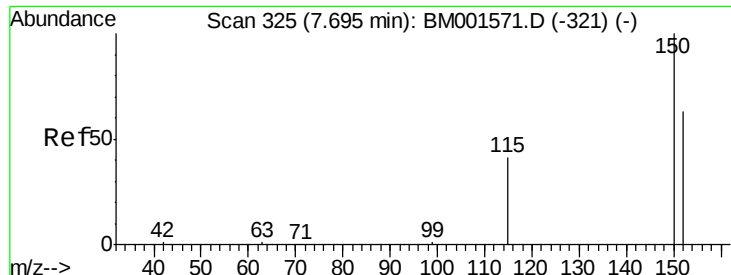
Instrument :
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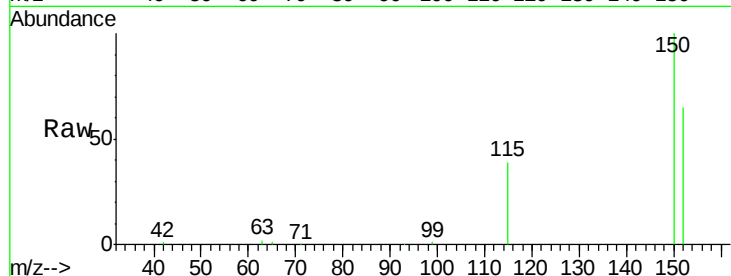




#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.70 min Scan# 325
Delta R.T. -0.00 min
Lab File: BM001584.D
Acq: 06 Jun 2015 08:41

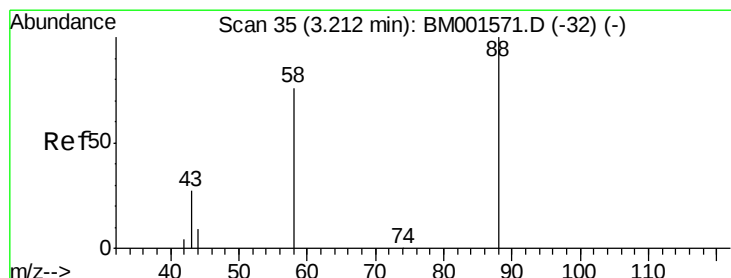
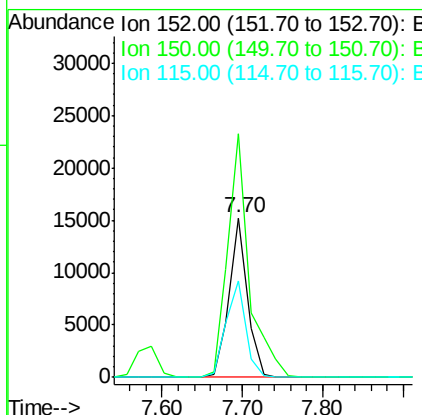
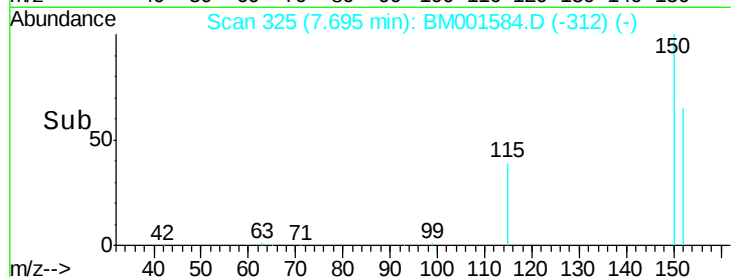
Instrument :
BNA_M
ClientSampleId :
PB83802BS



Tgt Ion: 152 Resp: 23417
Ion Ratio Lower Upper
152 100
150 153.0 126.6 190.0
115 60.3 51.6 77.4

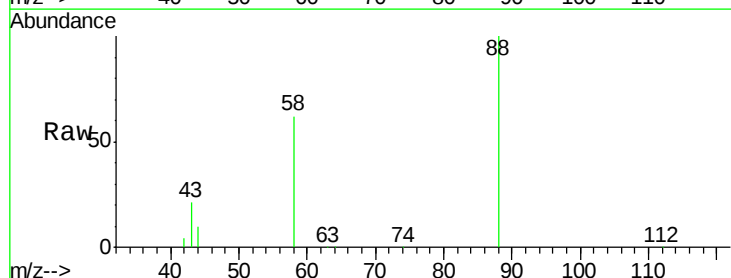
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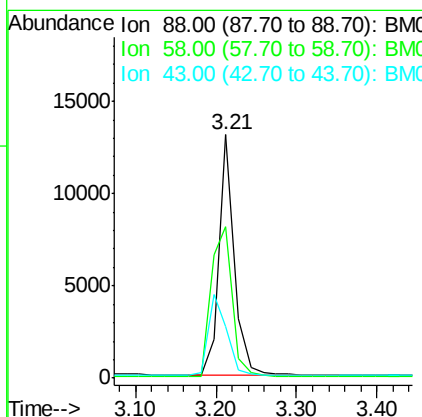
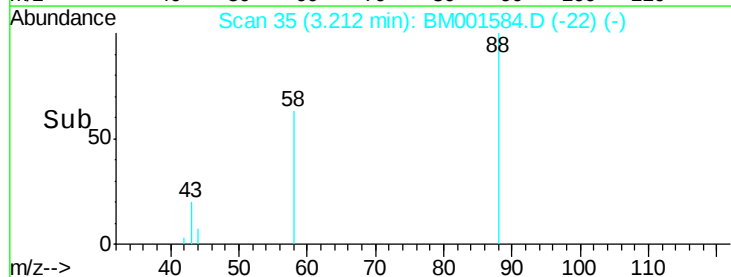


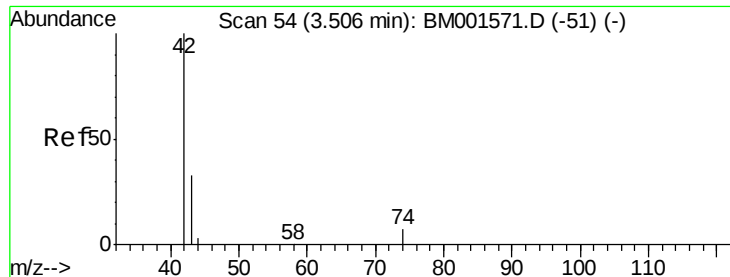
#2

1,4-Dioxane
Concen: 8.58 ng
RT: 3.21 min Scan# 35
Delta R.T. -0.00 min
Lab File: BM001584.D
Acq: 06 Jun 2015 08:41



Tgt Ion: 88 Resp: 17430
Ion Ratio Lower Upper
88 100
58 86.7 66.1 99.1
43 40.9 32.3 48.5





#3

n-Nitrosodimethylamine

Concen: 8.60 ng

RT: 3.51 min Scan# 54

Delta R.T. -0.00 min

Lab File: BM001584.D

Acq: 06 Jun 2015 08:41

Instrument :

BNA_M

ClientSampleId :

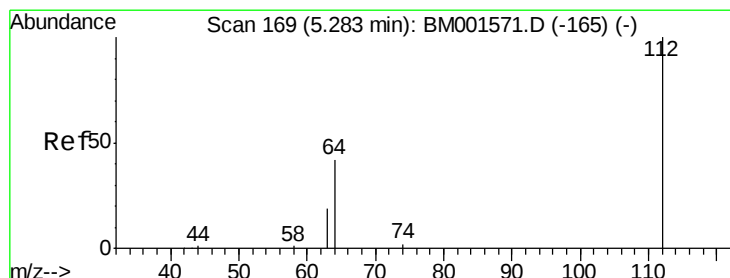
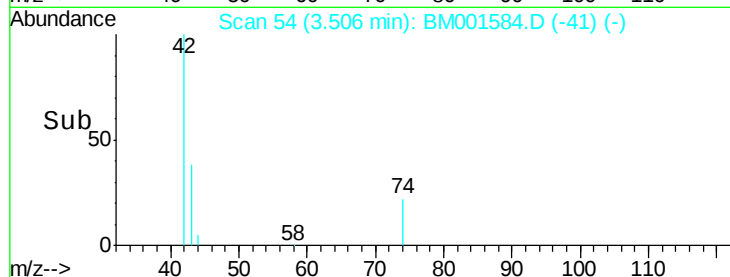
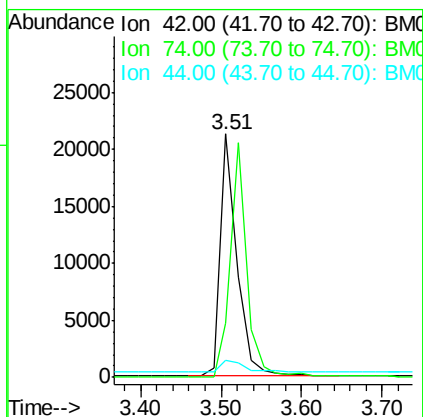
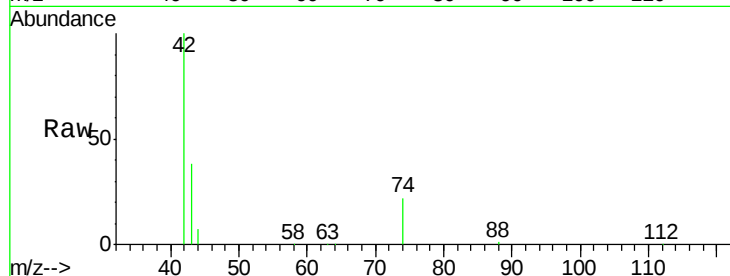
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Tgt Ion	Ratio	Lower	Upper
42	100		
74	94.6	77.2	115.8
44	5.9	7.4	11.2#



#4

2-Fluorophenol

Concen: 12.29 ng

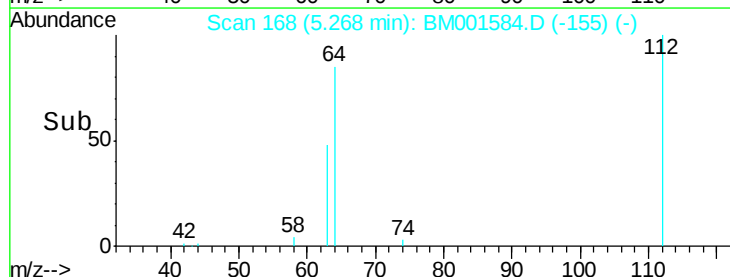
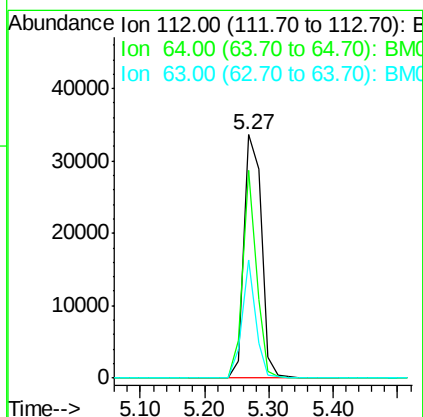
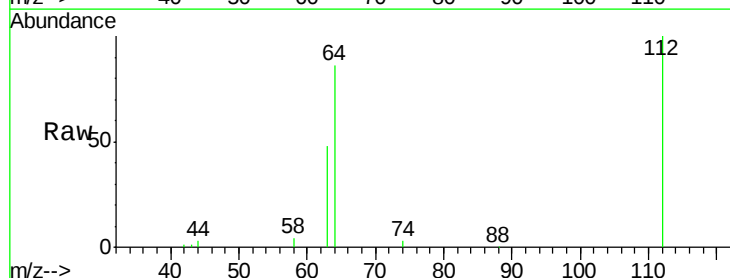
RT: 5.27 min Scan# 168

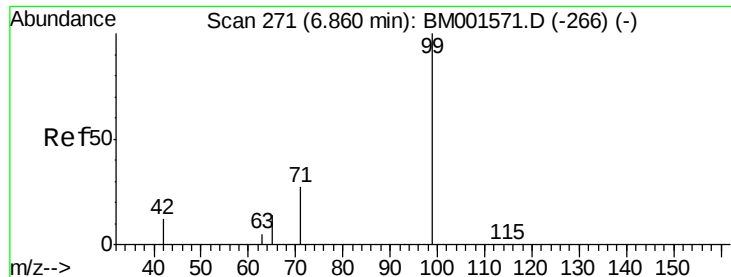
Delta R.T. -0.00 min

Lab File: BM001584.D

Acq: 06 Jun 2015 08:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.2	53.3	79.9
63	37.3	29.7	44.5





#5

Phenol-d6

Concen: 13.30 ng

RT: 6.84 min Scan# 270

Delta R.T. -0.00 min

Lab File: BM001584.D

Acq: 06 Jun 2015 08:41

Instrument :

BNA_M

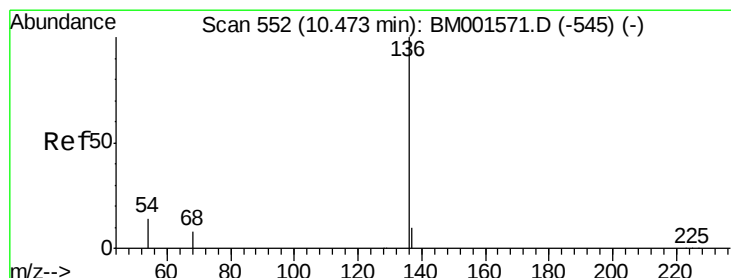
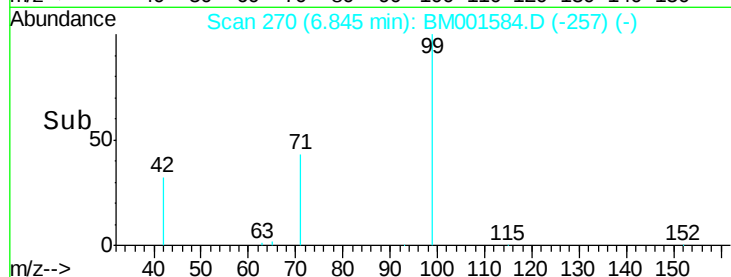
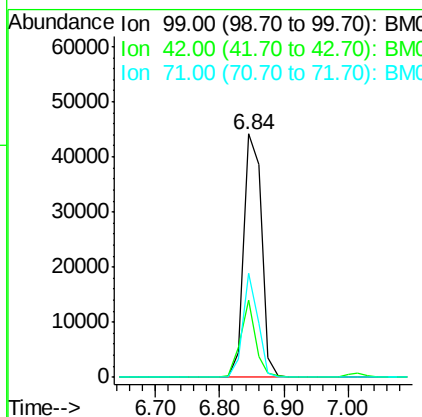
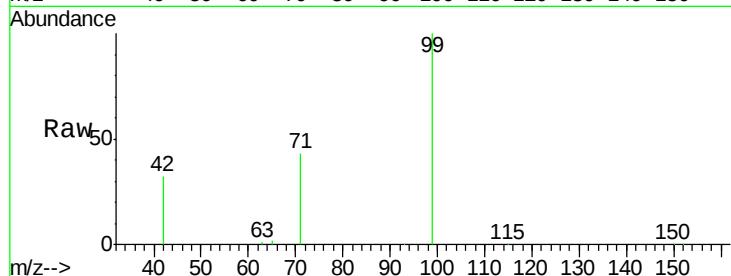
ClientSampleId :

PB83802BS

Tgt Ion:	99	Resp:	84549
Ion Ratio	Lower	Upper	
99	100		
42	26.4	21.4	32.2
71	35.8	29.0	43.4

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#6

Naphthalene-d8

Concen: 5.00 ng

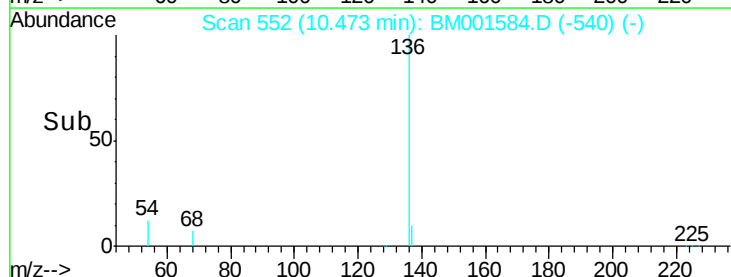
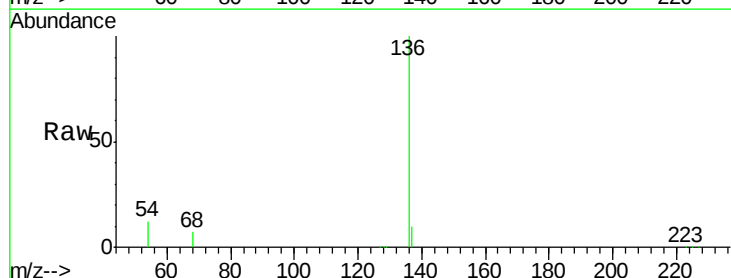
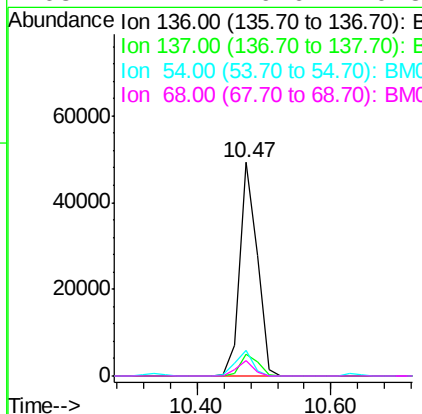
RT: 10.47 min Scan# 552

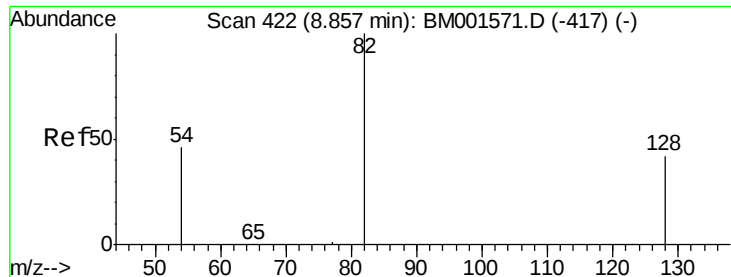
Delta R.T. -0.00 min

Lab File: BM001584.D

Acq: 06 Jun 2015 08:41

Tgt Ion:	136	Resp:	88053
Ion Ratio	Lower	Upper	
136	100		
137	10.2	8.1	12.1
54	12.0	11.7	17.5
68	7.1	6.6	9.8





#7

Nitrobenzene-d5

Concen: 8.95 ng

RT: 8.85 min Scan# 421

Delta R.T. -0.00 min

Lab File: BM001584.D

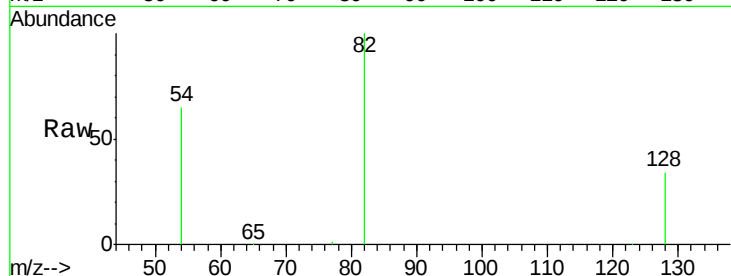
Acq: 06 Jun 2015 08:41

Instrument :

BNA_M

ClientSampleId :

PB83802BS



Tgt Ion: 82 Resp: 53665

Ion Ratio Lower Upper

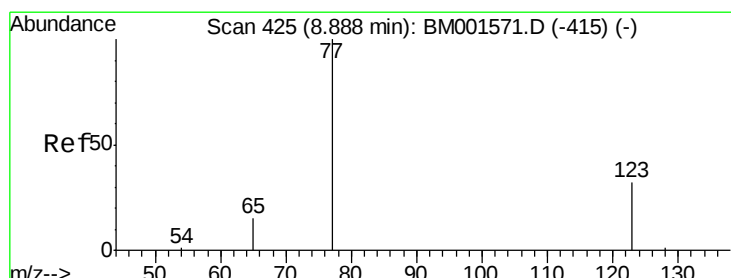
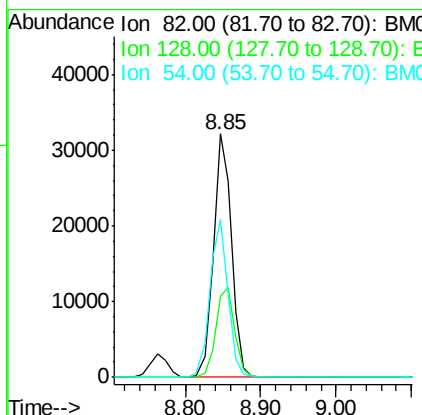
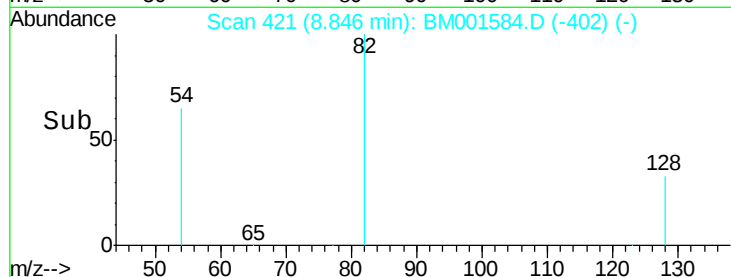
82 100

128 33.5 34.1 51.1#

54 64.6 37.8 56.6#

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#8

Nitrobenzene

Concen: 9.19 ng

RT: 8.89 min Scan# 425

Delta R.T. -0.00 min

Lab File: BM001584.D

Acq: 06 Jun 2015 08:41

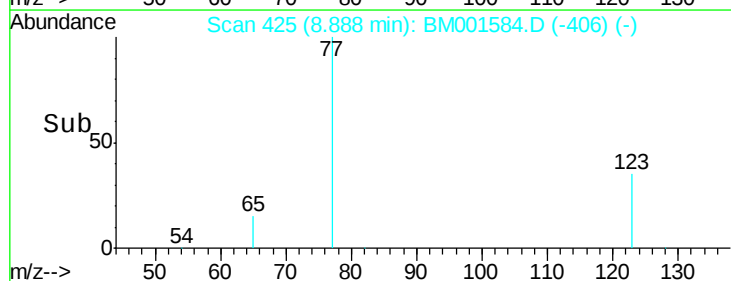
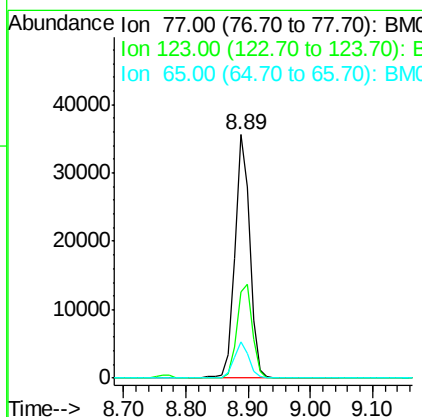
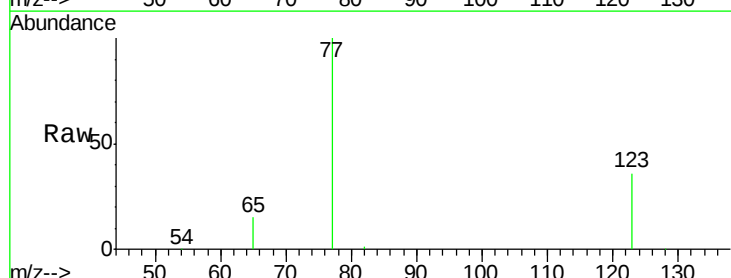
Tgt Ion: 77 Resp: 59062

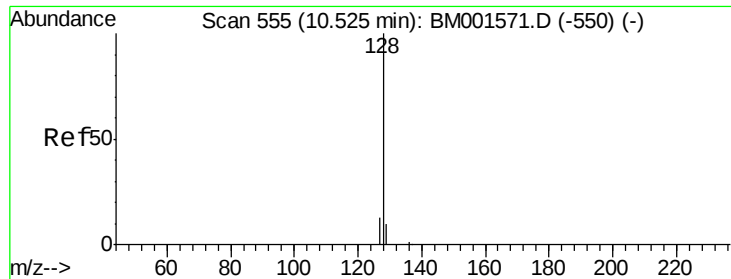
Ion Ratio Lower Upper

77 100

123 40.4 31.7 47.5

65 14.6 11.4 17.0





#9

Naphthalene

Concen: 7.97 ng

RT: 10.52 min Scan# 555

Delta R.T. -0.00 min

Lab File: BM001584.D

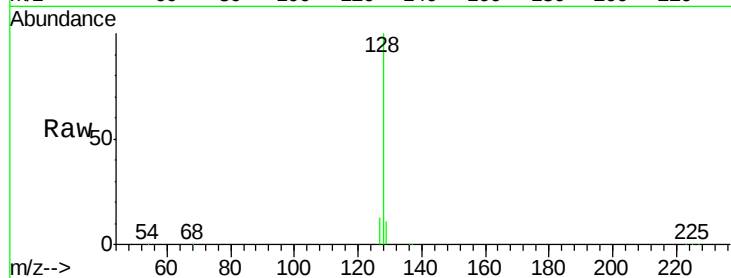
Acq: 06 Jun 2015 08:41

Instrument :

BNA_M

ClientSampleId :

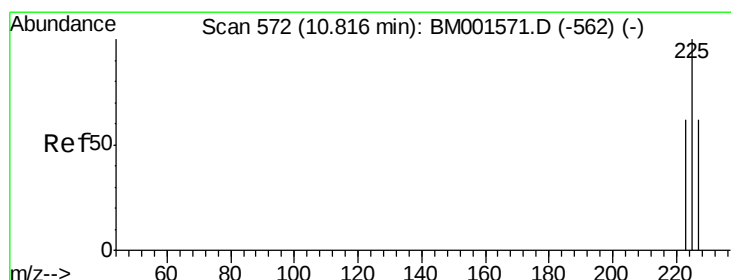
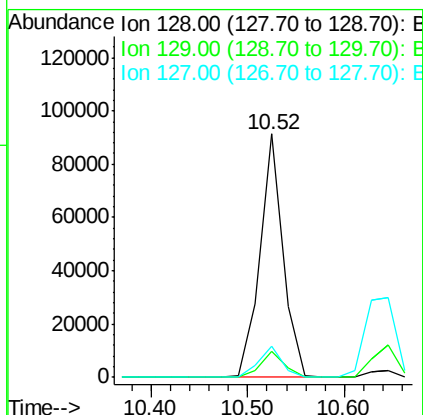
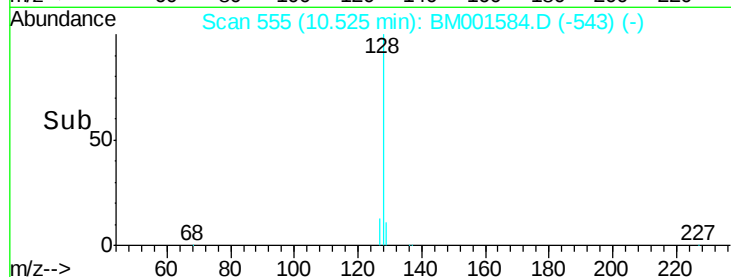
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Tgt Ion	Ratio	Resp	Lower	Upper
128	100	151515		
129	10.7	8.7	13.1	
127	12.7	10.7	16.1	

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#10

Hexachlorobutadiene

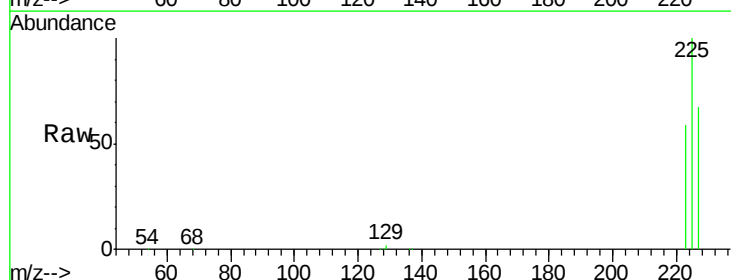
Concen: 8.10 ng

RT: 10.82 min Scan# 572

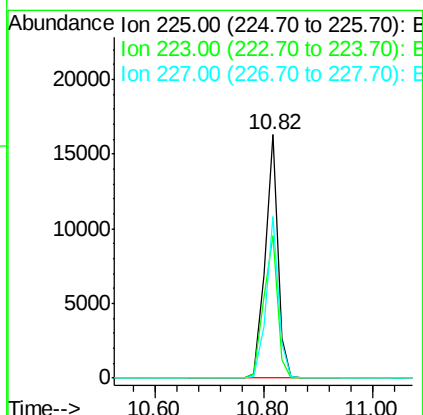
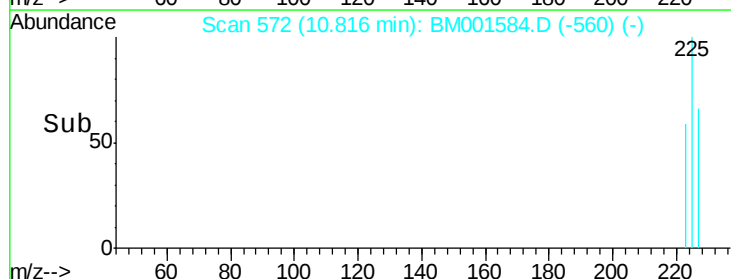
Delta R.T. -0.00 min

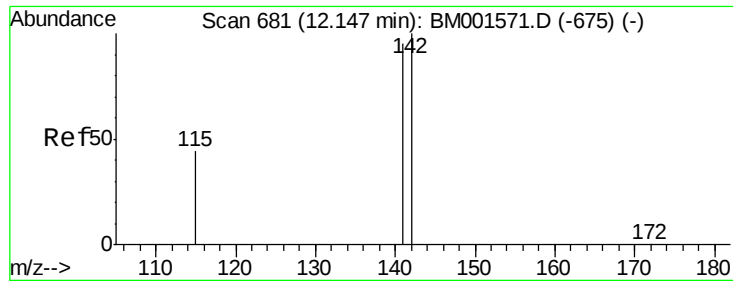
Lab File: BM001584.D

Acq: 06 Jun 2015 08:41



Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26853		
223	62.7	50.4	75.6	
227	63.8	50.8	76.2	





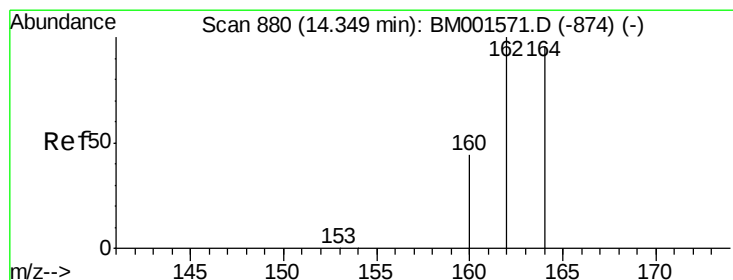
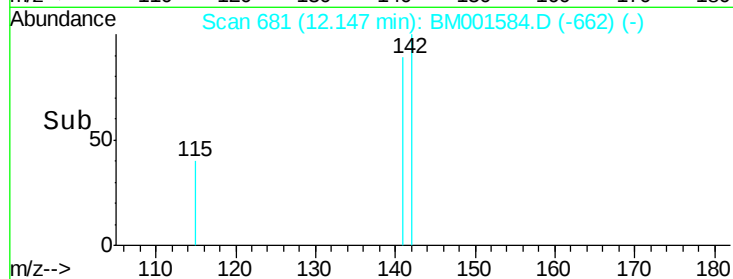
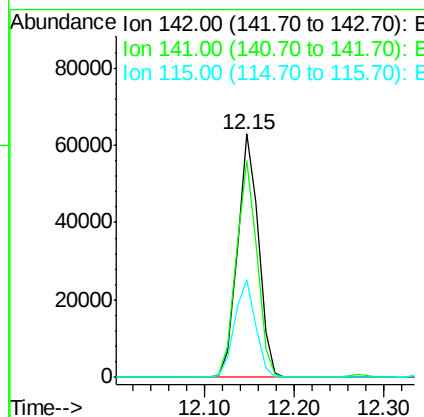
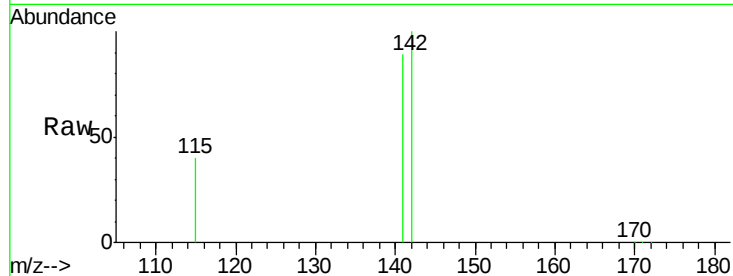
#11
2-Methylnaphthalene
Concen: 8.52 ng
RT: 12.15 min Scan# 681
Delta R.T. -0.00 min
Lab File: BM001584.D
Acq: 06 Jun 2015 08:41

Instrument :
BNA_M
ClientSampleId :
PB83802BS

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.2	75.6	113.4
115	39.9	35.5	53.3

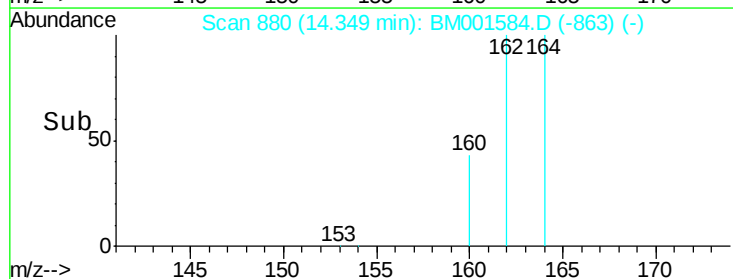
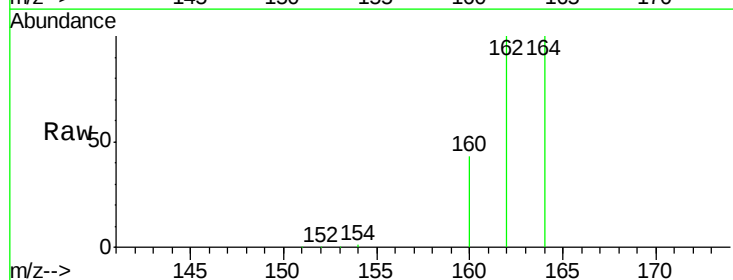
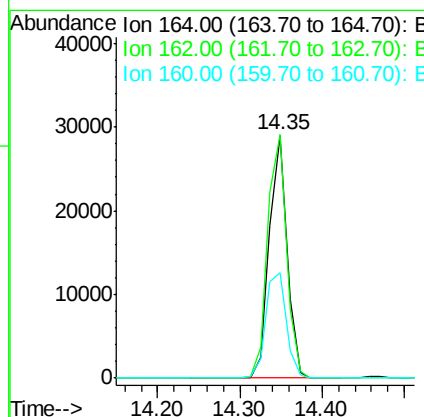
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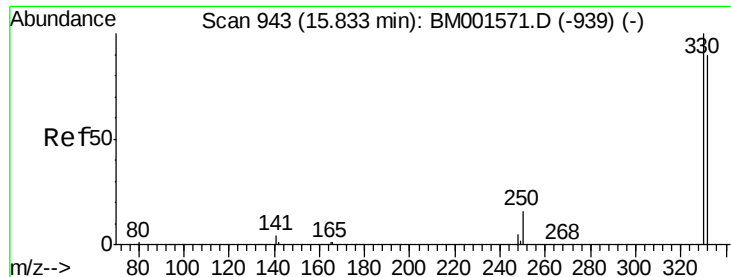
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.35 min Scan# 880
Delta R.T. -0.00 min
Lab File: BM001584.D
Acq: 06 Jun 2015 08:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.4	83.8	125.6
160	43.4	37.1	55.7





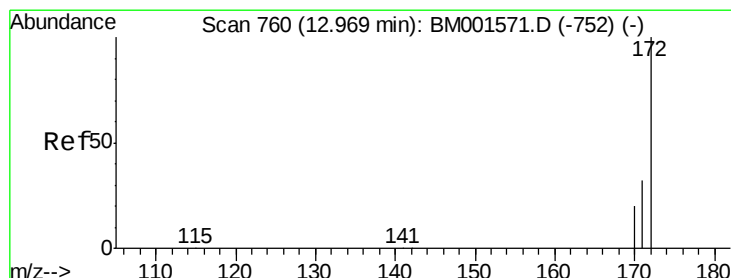
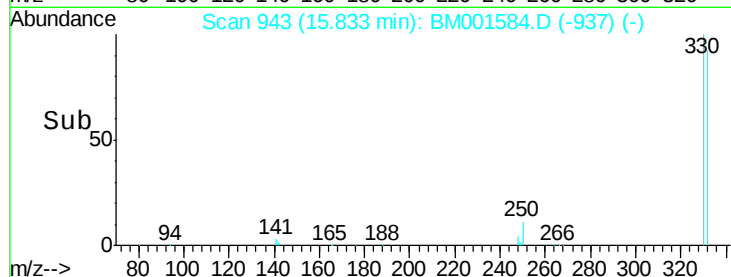
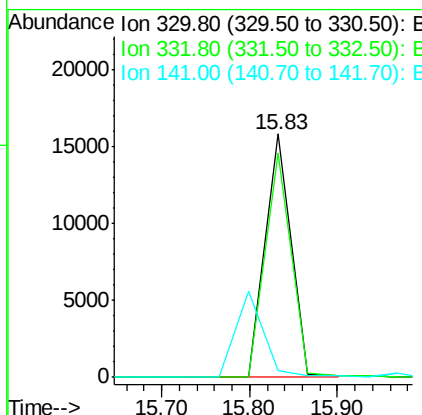
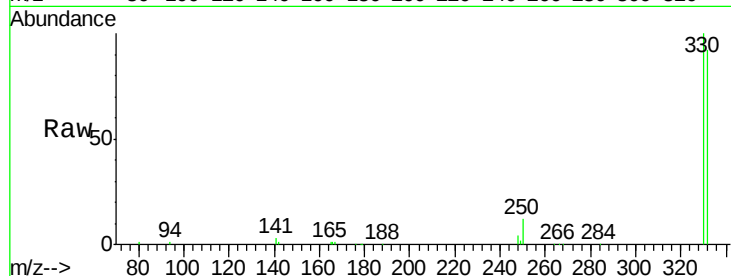
#13
 2,4,6-Tribromophenol
 Concen: 15.76 ng
 RT: 15.83 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: BM001584.D
 Acq: 06 Jun 2015 08:41

Instrument :
 BNA_M
 ClientSampleId :
 PB83802BS

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	32638		
332	92.6	72.0	108.0	
141	0.0	0.0	0.0	

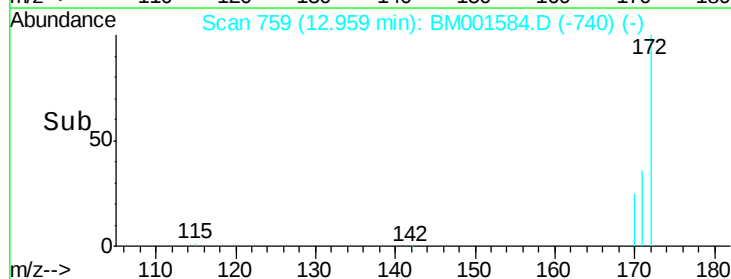
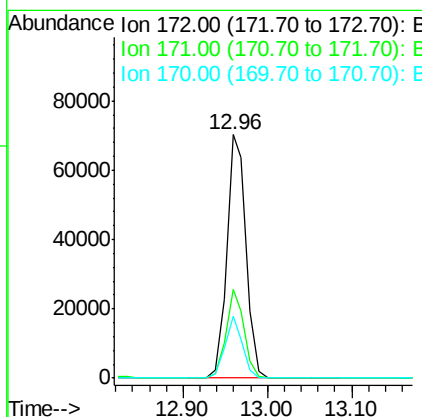
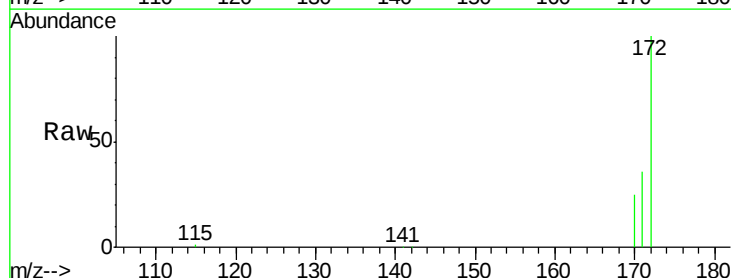
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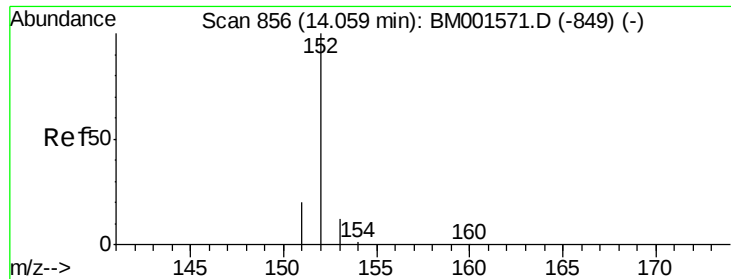
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#14
 2-Fluorobiphenyl
 Concen: 8.44 ng
 RT: 12.96 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: BM001584.D
 Acq: 06 Jun 2015 08:41

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	112441		
171	36.2	26.2	39.2	
170	25.5	16.1	24.1	





#15

Acenaphthylene

Concen: 8.66 ng

RT: 14.06 min Scan# 856

Delta R.T. -0.00 min

Lab File: BM001584.D

Acq: 06 Jun 2015 08:41

Instrument :

BNA_M

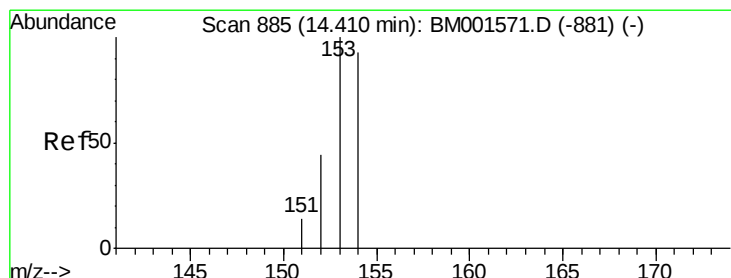
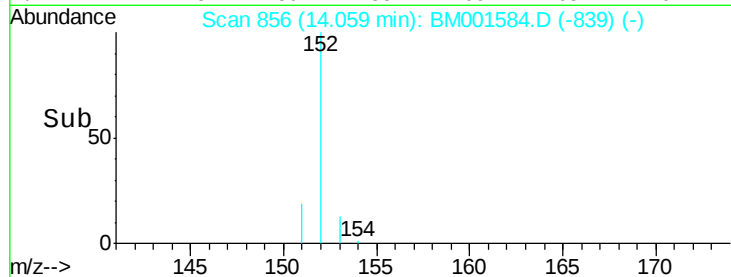
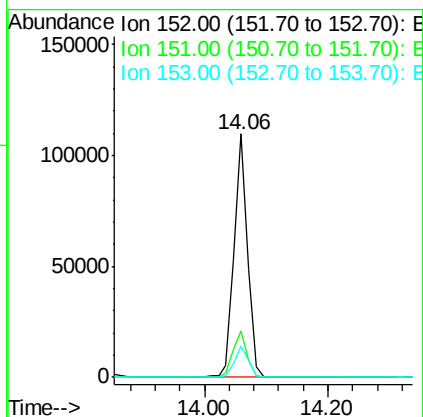
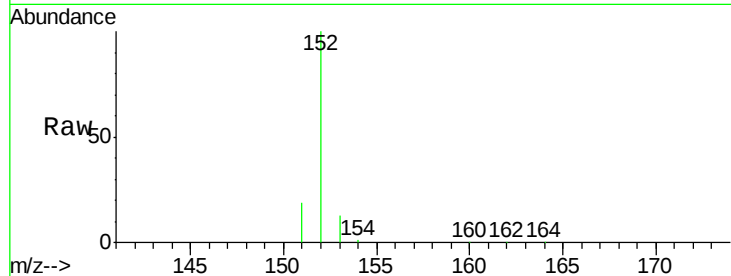
ClientSampleId :

PB83802BS

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.2	22.8
153	12.9	10.3	15.5

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#16

Acenaphthene

Concen: 8.02 ng

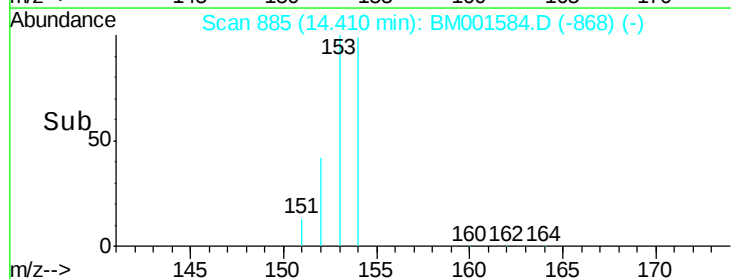
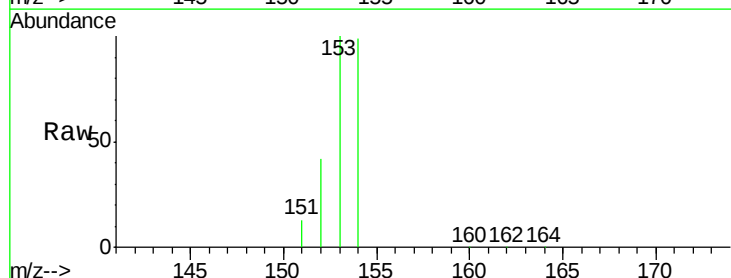
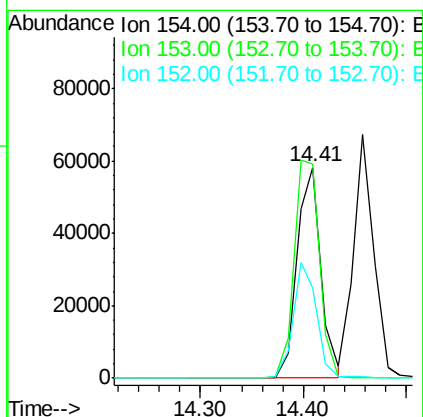
RT: 14.41 min Scan# 885

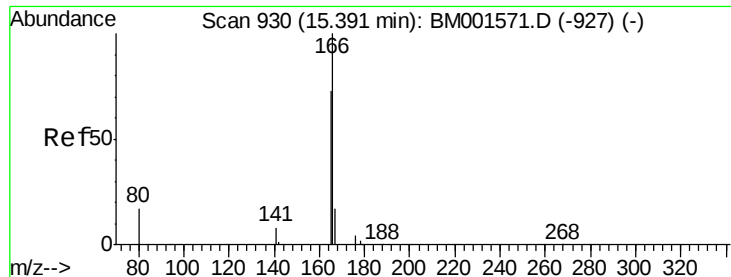
Delta R.T. -0.00 min

Lab File: BM001584.D

Acq: 06 Jun 2015 08:41

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.6	89.1	133.7
152	53.6	43.2	64.8





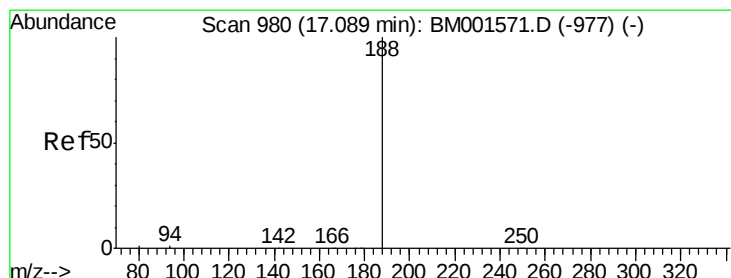
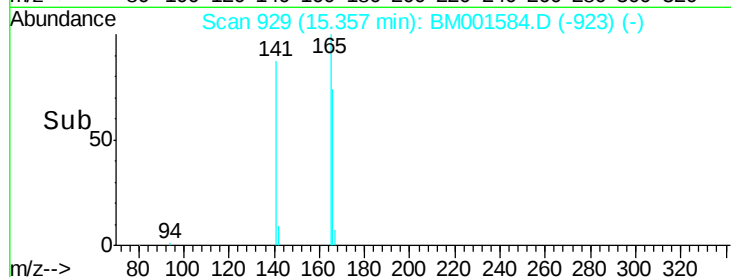
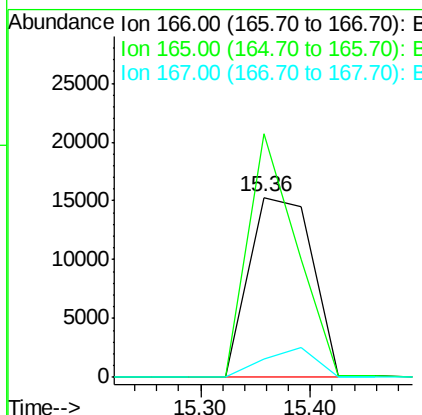
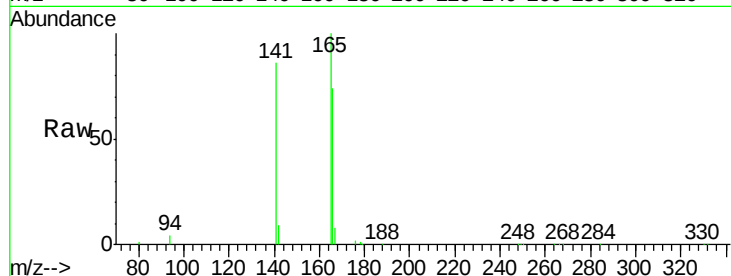
#17
Fluorene
 Concen: 8.00 ng
 RT: 15.36 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: BM001584.D
 Acq: 06 Jun 2015 08:41

Instrument :
 BNA_M
 ClientSampleId :
 PB83802BS

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.2	0.0	0.0#
167	0.0	11.3	16.9#

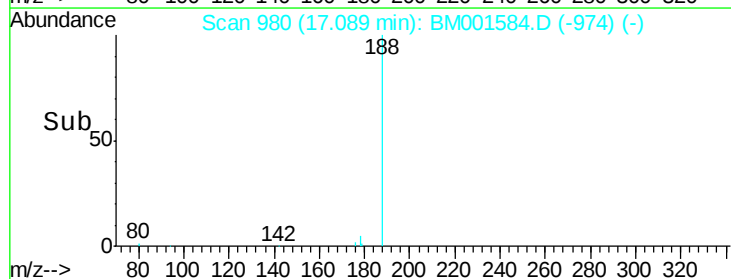
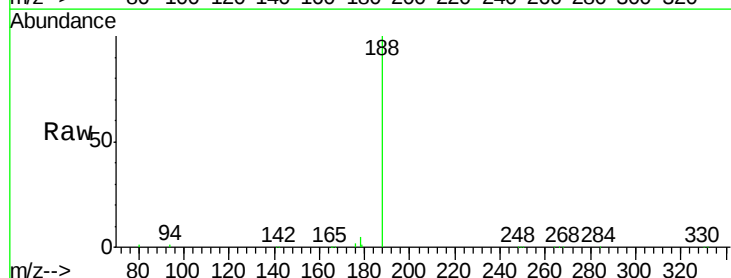
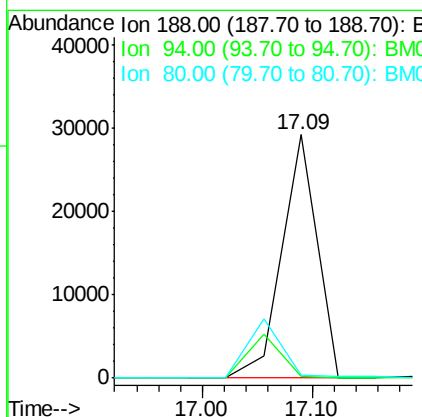
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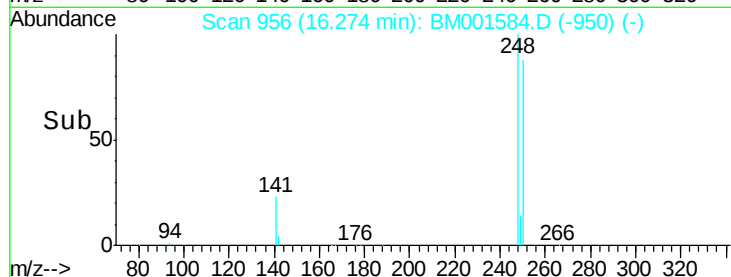
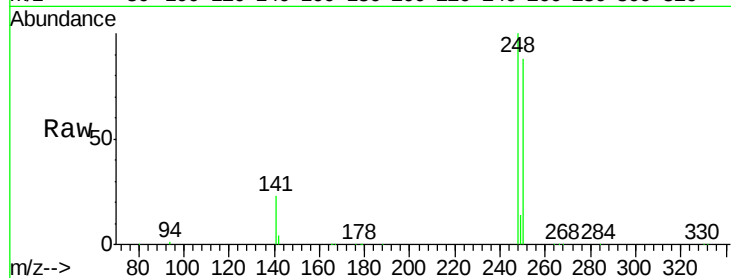
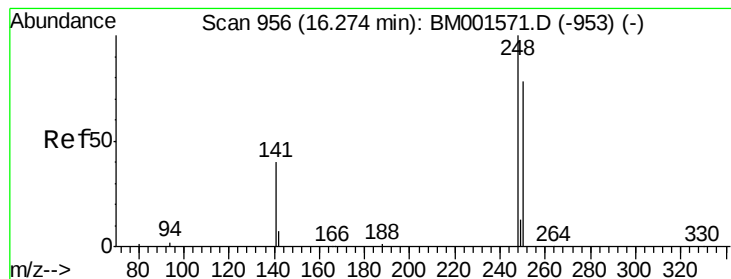
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#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.09 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: BM001584.D
 Acq: 06 Jun 2015 08:41

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





#19

4-Bromophenyl-phenylether

Concen: 9.81 ng

RT: 16.27 min Scan# 956

Delta R.T. 0.00 min

Lab File: BM001584.D

Acq: 06 Jun 2015 08:41

Instrument :

BNA_M

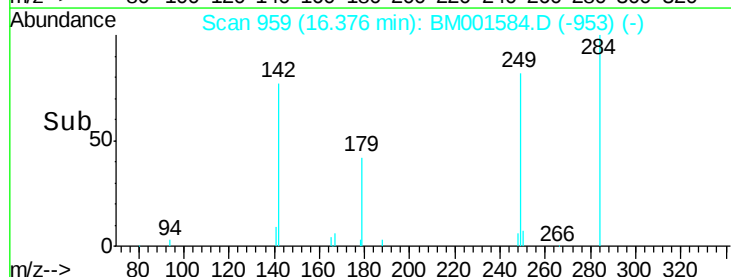
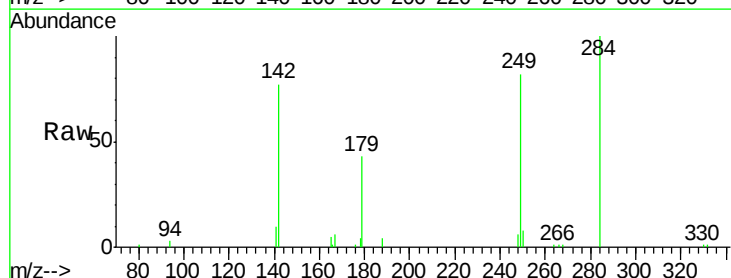
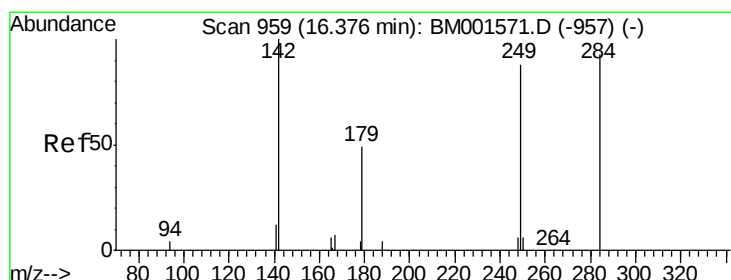
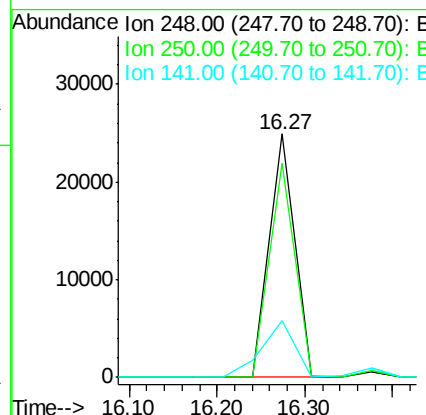
ClientSampleId :

PB83802BS

Tgt Ion:	248	Resp:	50839
Ion Ratio	Lower	Upper	
248	100		
250	88.3	63.1	94.7
141	29.5	35.0	52.6

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#20

Hexachlorobenzene

Concen: 10.82 ng

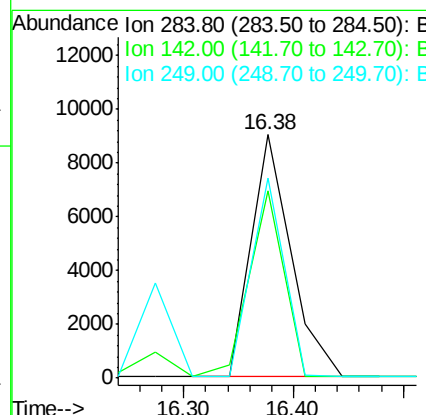
RT: 16.38 min Scan# 959

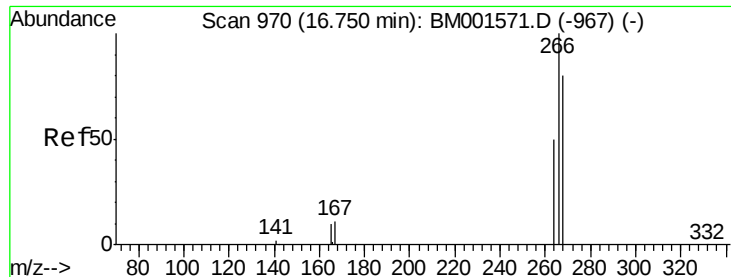
Delta R.T. 0.00 min

Lab File: BM001584.D

Acq: 06 Jun 2015 08:41

Tgt Ion:	284	Resp:	22356
Ion Ratio	Lower	Upper	
284	100		
142	75.5	64.2	96.2
249	67.9	55.4	83.0





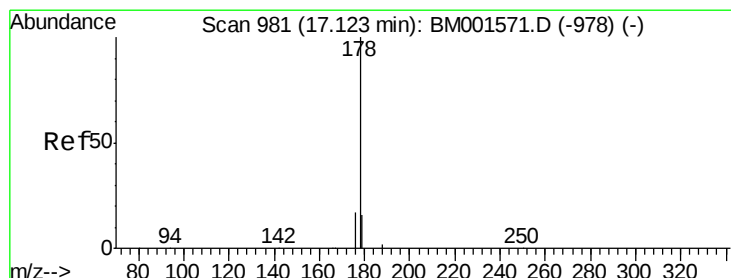
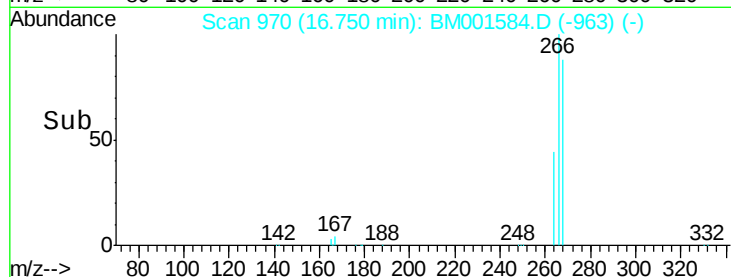
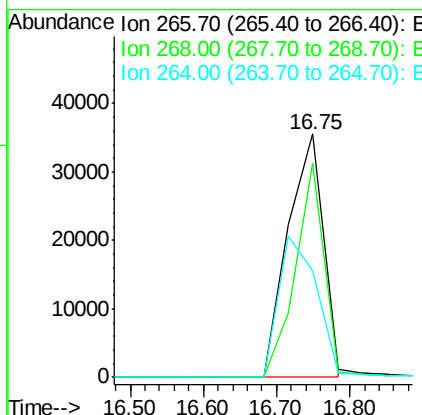
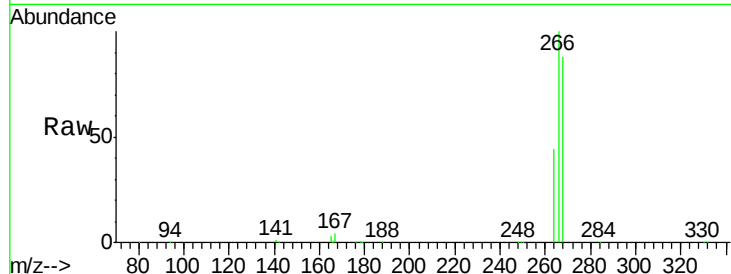
#21
 Pentachlorophenol
 Concen: 121.02 ng
 RT: 16.75 min Scan# 970
 Delta R.T. 0.03 min
 Lab File: BM001584.D
 Acq: 06 Jun 2015 08:41

Instrument :
 BNA_M
 ClientSampleId :
 PB83802BS

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	120148		
268	88.1	66.3	99.5	
264	44.0	45.5	68.3	

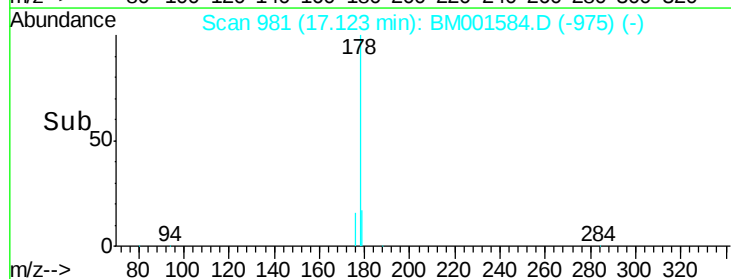
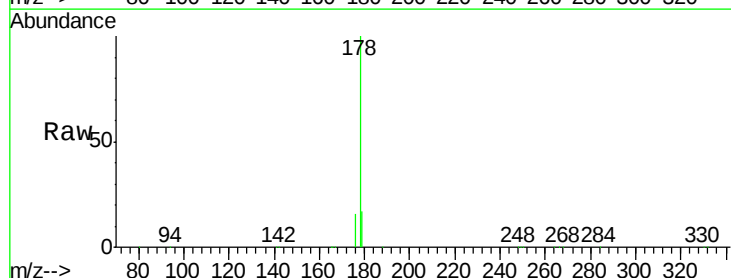
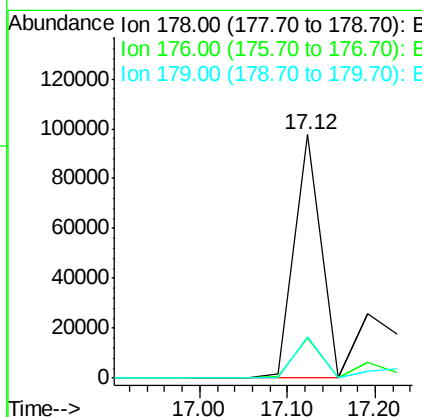
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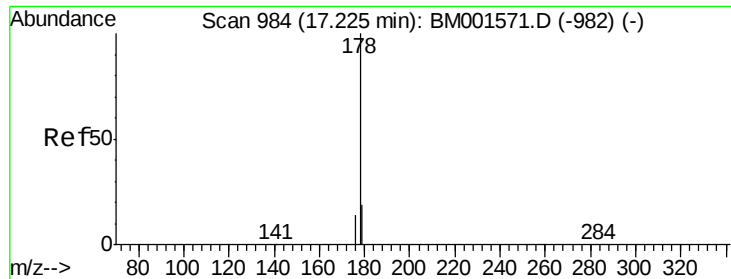
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#22
 Phenanthrene
 Concen: 8.91 ng
 RT: 17.12 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BM001584.D
 Acq: 06 Jun 2015 08:41

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	202151		
176	16.6	13.5	20.3	
179	16.6	13.3	19.9	





#23

Anthracene

Concen: 9.36 ng m

RT: 17.19 min Scan# 983

Delta R.T. -0.00 min

Lab File: BM001584.D

Acq: 06 Jun 2015 08:41

Instrument :

BNA_M

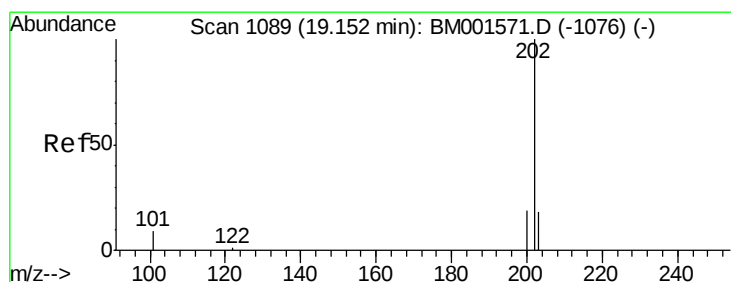
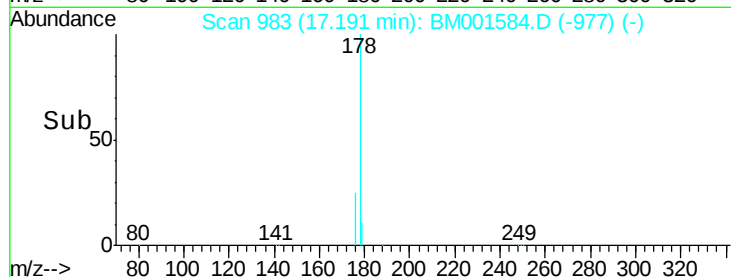
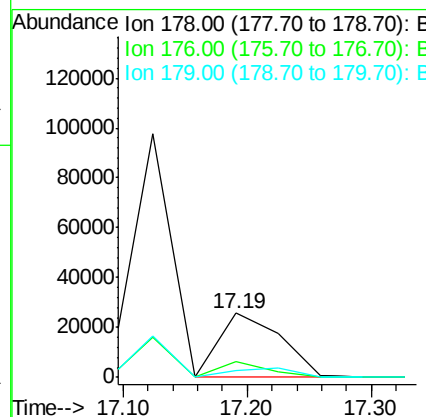
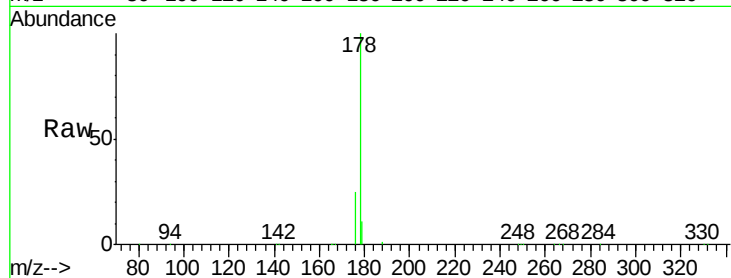
ClientSampleId :

PB83802BS

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Tgt Ion:	178	Resp:	89445
Ion Ratio	Lower	Upper	
178	100		
176	57.5	45.9	68.9
179	53.0	33.3	49.9



#24

Fluoranthene

Concen: 10.78 ng

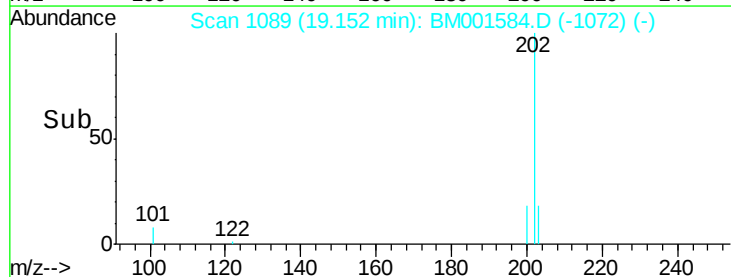
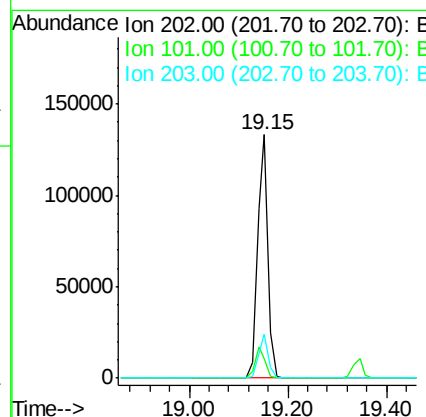
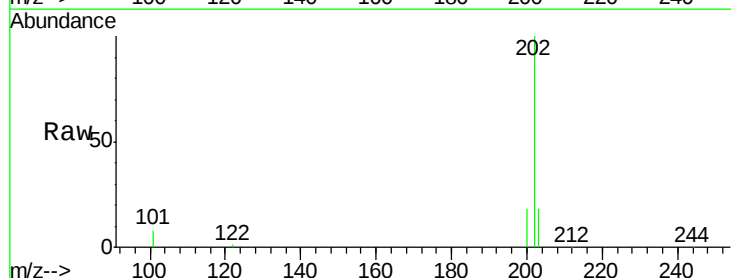
RT: 19.15 min Scan# 1089

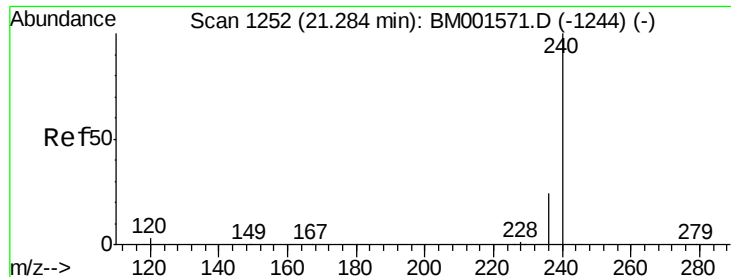
Delta R.T. -0.00 min

Lab File: BM001584.D

Acq: 06 Jun 2015 08:41

Tgt Ion:	202	Resp:	190202
Ion Ratio	Lower	Upper	
202	100		
101	12.6	10.0	15.0
203	17.4	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: BM001584.D

Acq: 06 Jun 2015 08:41

Instrument :

BNA_M

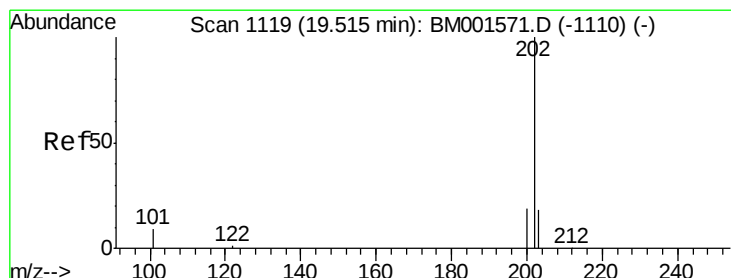
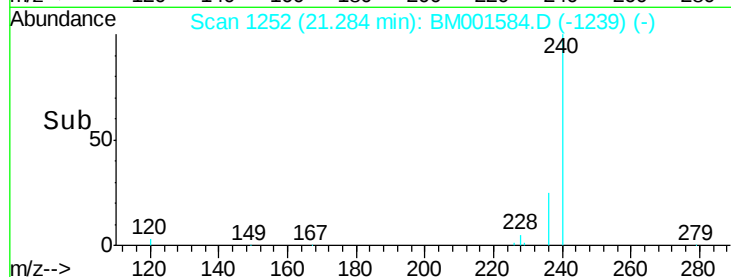
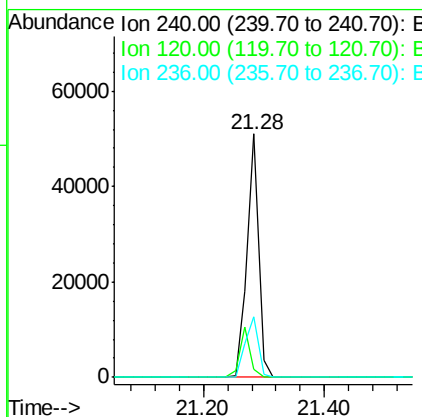
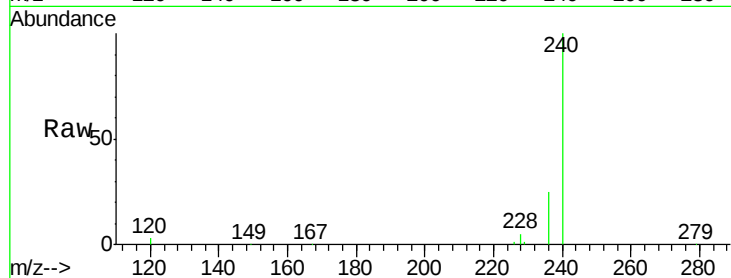
ClientSampleId :

PB83802BS

Tgt Ion	Ratio	Lower	Upper
240	100		
120	3.3	2.2	3.2#
236	24.8	19.5	29.3

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#26

Pyrene

Concen: 9.26 ng

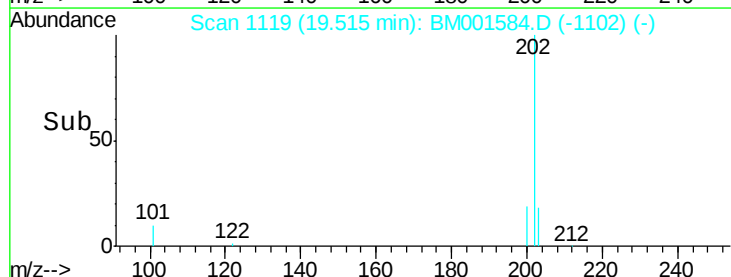
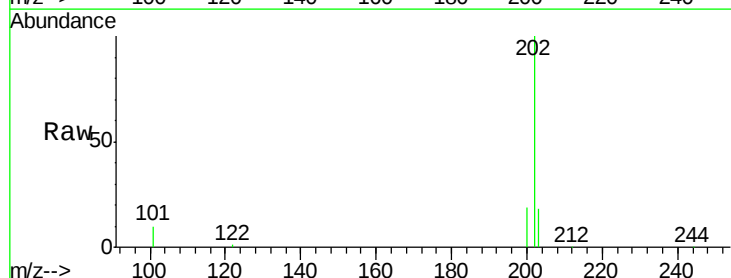
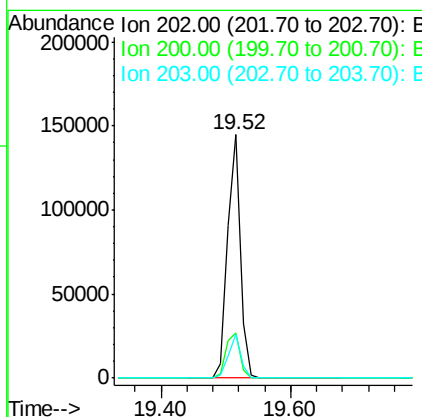
RT: 19.52 min Scan# 1119

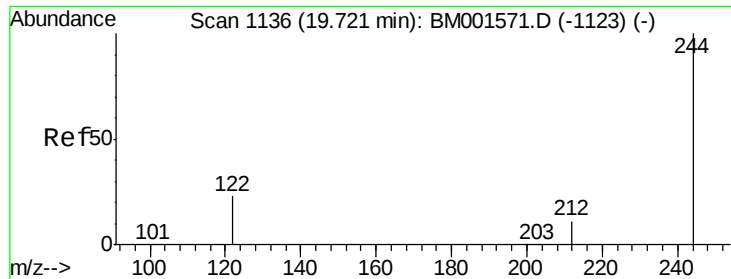
Delta R.T. -0.00 min

Lab File: BM001584.D

Acq: 06 Jun 2015 08:41

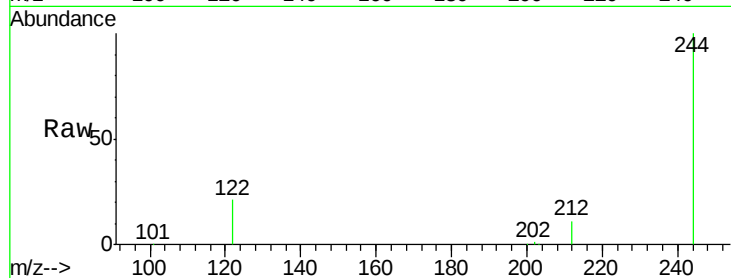
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	24.8
203	17.8	13.9	20.9





#27
 Terphenyl-d14
 Concen: 8.79 ng
 RT: 19.72 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: BM001584.D
 Acq: 06 Jun 2015 08:41

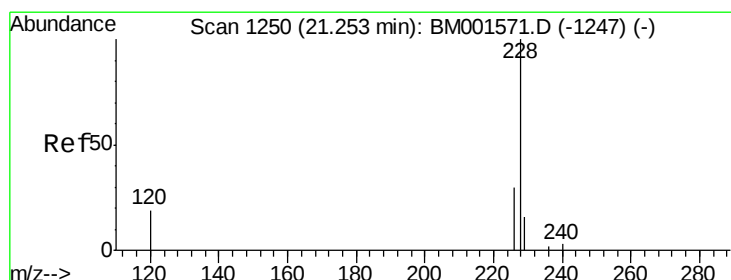
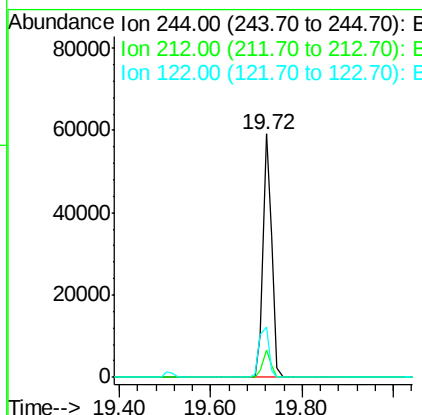
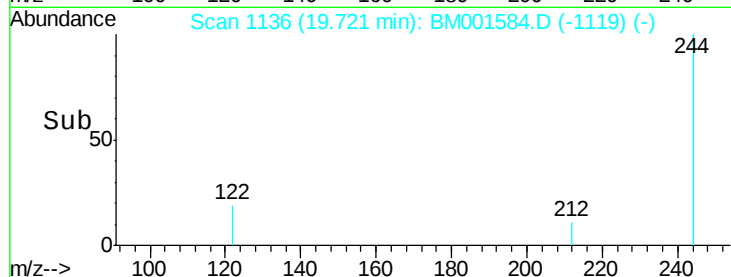
Instrument :
 BNA_M
 ClientSampleId :
 PB83802BS



Tgt Ion	Ratio	Lower	Upper
244	100		
212	11.4	9.6	14.4
122	20.7	19.0	28.4

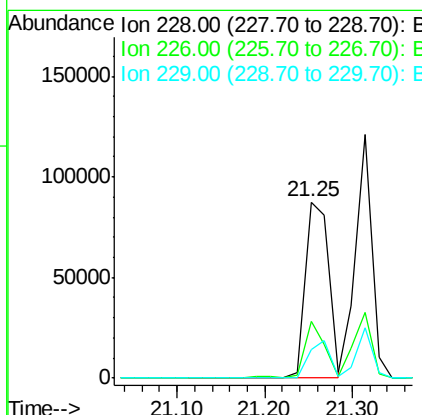
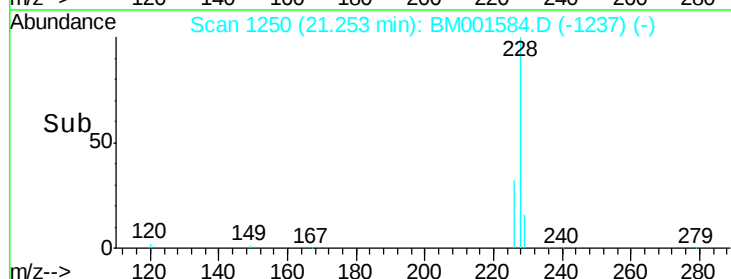
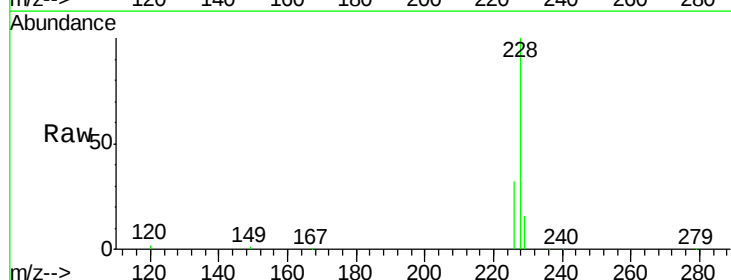
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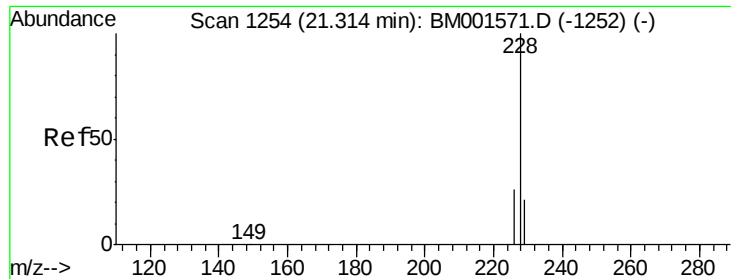
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#28
 Benzo(a)anthracene
 Concen: 8.44 ng
 RT: 21.25 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: BM001584.D
 Acq: 06 Jun 2015 08:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.8	37.2
229	16.2	13.4	20.0





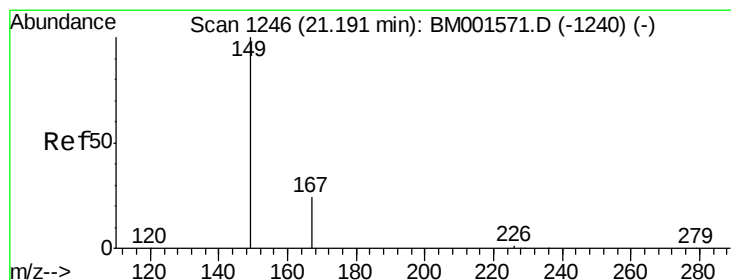
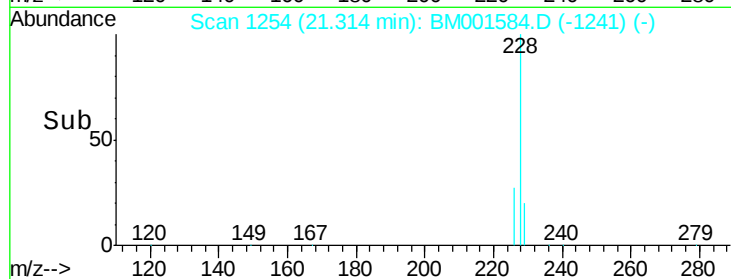
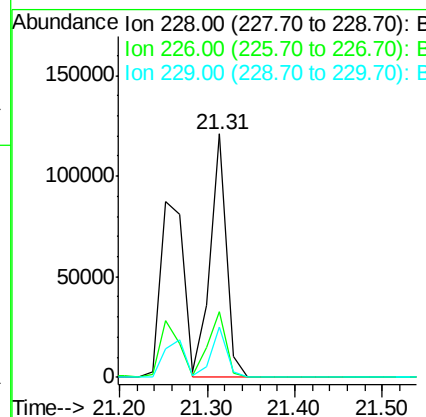
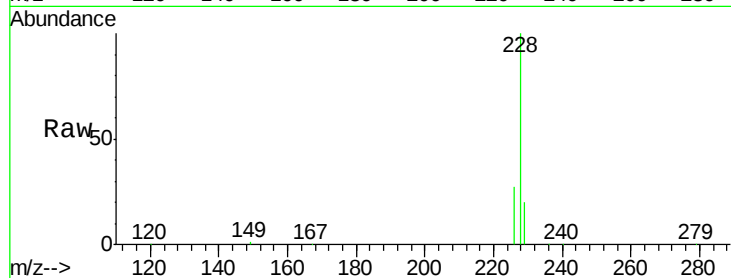
#29
Chrysene
Concen: 8.52 ng
RT: 21.31 min Scan# 1254
Delta R.T. -0.00 min
Lab File: BM001584.D
Acq: 06 Jun 2015 08:41

Instrument :
BNA_M
ClientSampleId :
PB83802BS

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.0	31.6
229	20.5	17.2	25.8

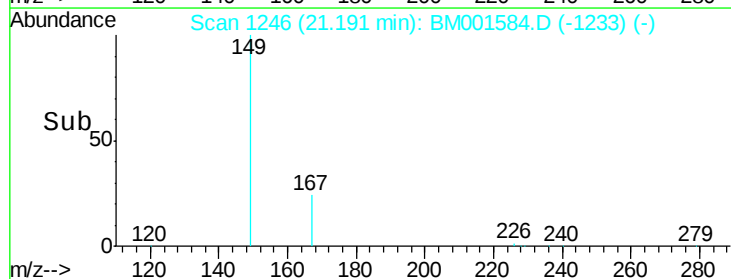
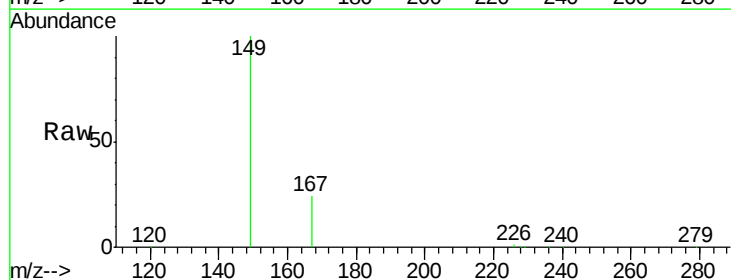
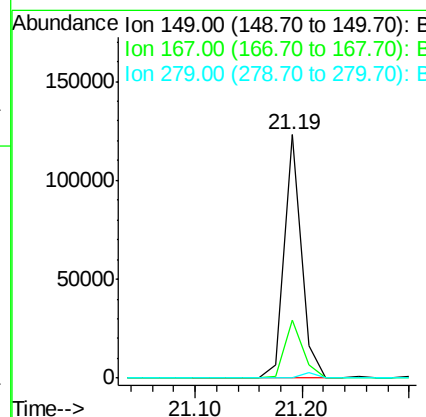
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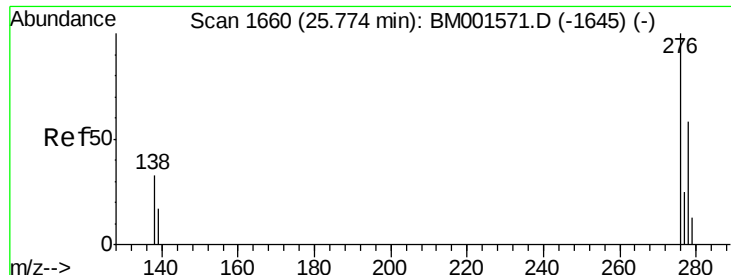
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#30
Bis(2-ethylhexyl)phthalate
Concen: 10.53 ng
RT: 21.19 min Scan# 1246
Delta R.T. -0.00 min
Lab File: BM001584.D
Acq: 06 Jun 2015 08:41

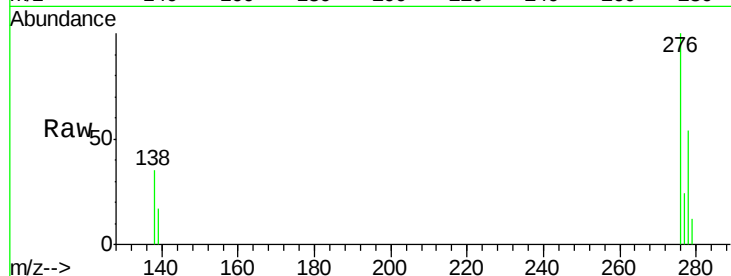
Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.2	20.2	30.2
279	2.0	1.8	2.6





#31
 Indeno(1,2,3-cd)pyrene
 Concen: 6.64 ng
 RT: 25.77 min Scan# 1660
 Delta R.T. 0.01 min
 Lab File: BM001584.D
 Acq: 06 Jun 2015 08:41

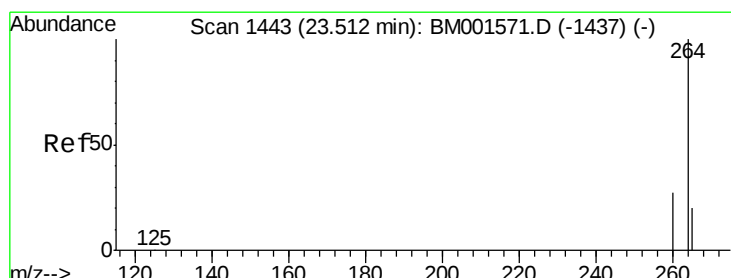
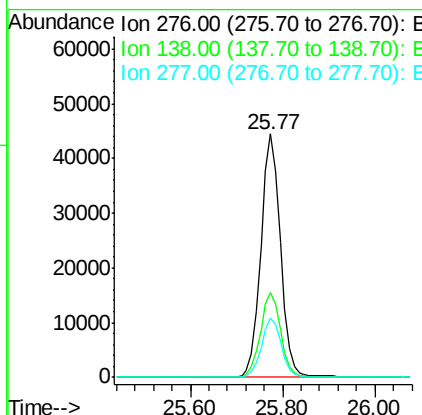
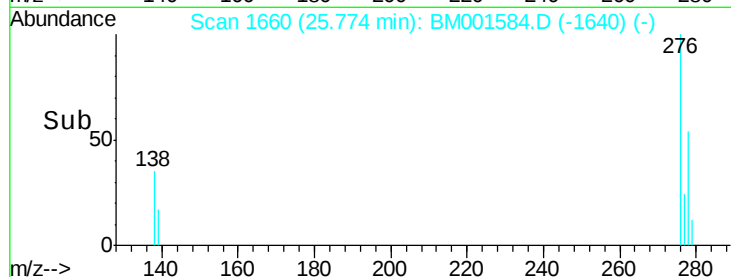
Instrument :
 BNA_M
 ClientSampleId :
 PB83802BS



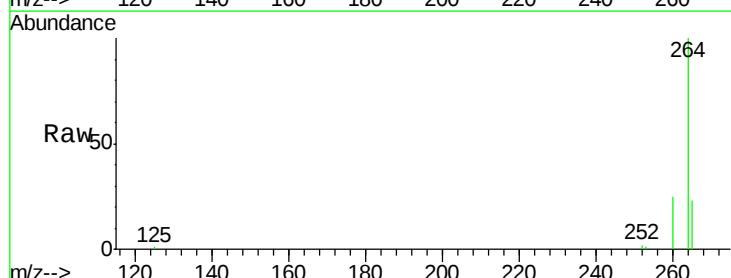
Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	35.8	28.0	42.0
277	24.6	19.7	29.5

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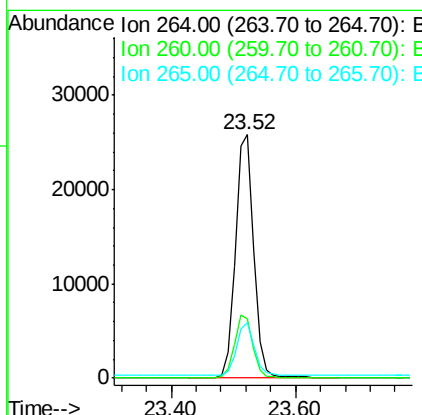
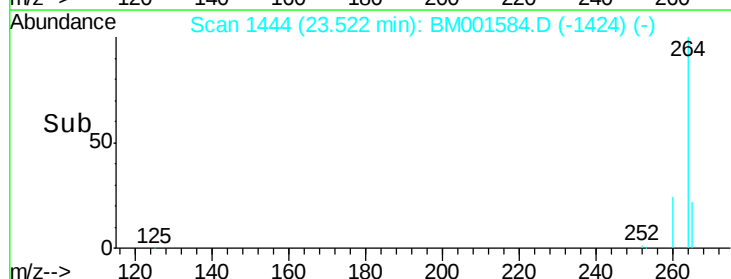
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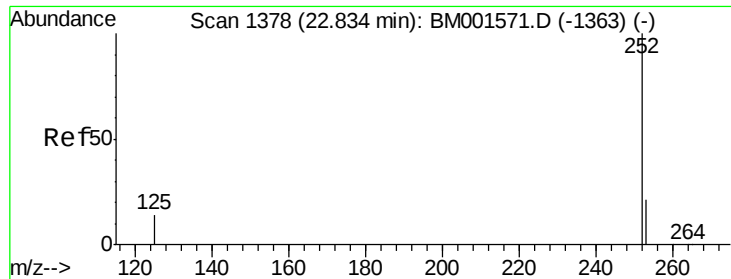


#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.52 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: BM001584.D
 Acq: 06 Jun 2015 08:41



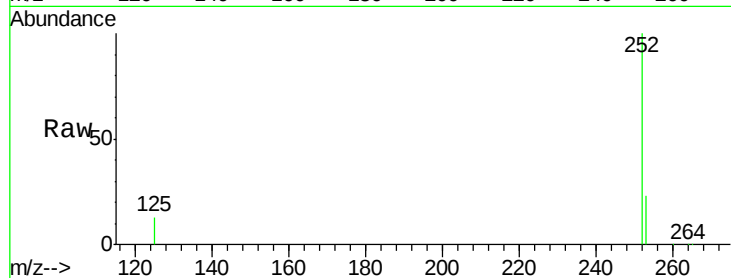
Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.5	21.6	32.4
265	22.9	16.5	24.7





#33
Benzo(b)fluoranthene
Concen: 9.30 ng
RT: 22.84 min Scan# 1379
Delta R.T. 0.01 min
Lab File: BM001584.D
Acq: 06 Jun 2015 08:41

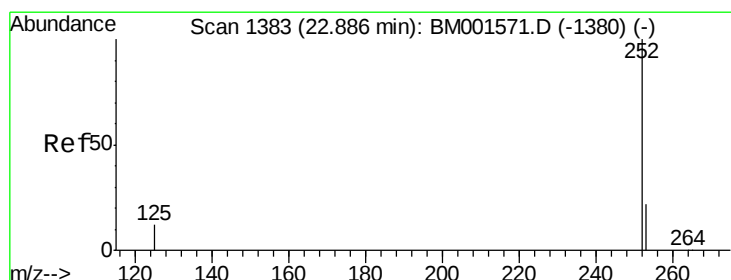
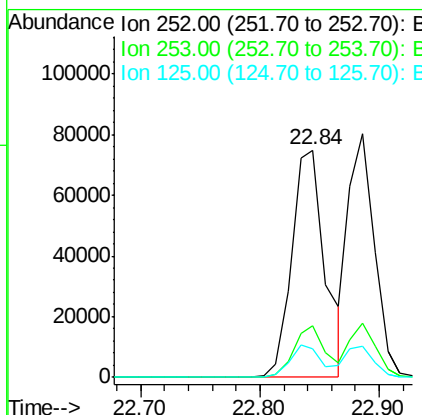
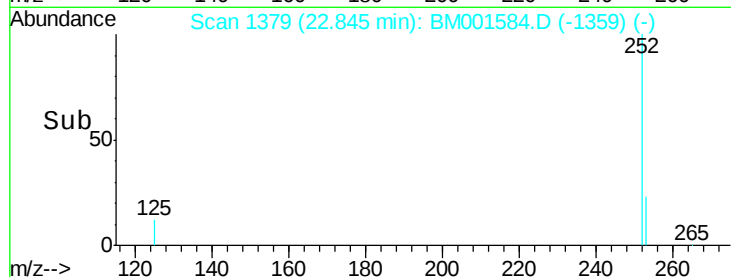
Instrument :
BNA_M
ClientSampleId :
PB83802BS



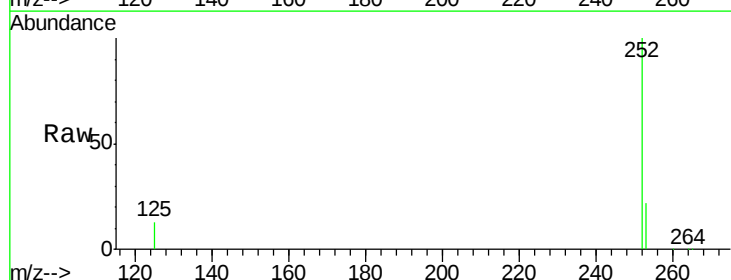
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	12.6	11.8	17.8

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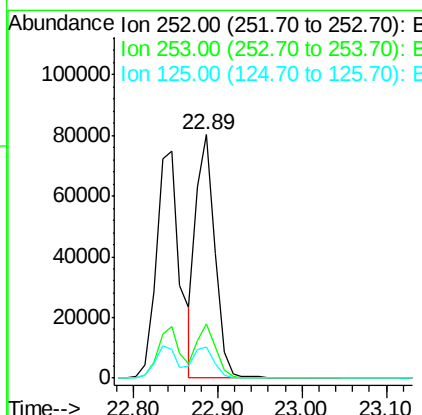
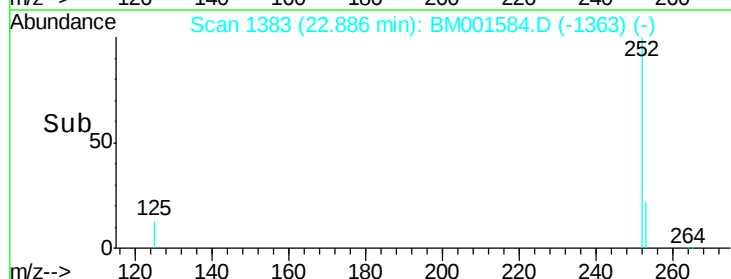
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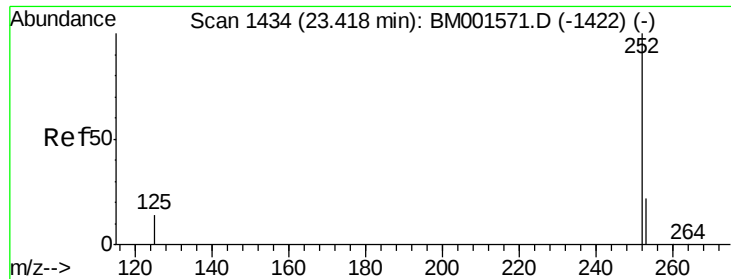


#34
Benzo(k)fluoranthene
Concen: 8.53 ng
RT: 22.89 min Scan# 1383
Delta R.T. 0.01 min
Lab File: BM001584.D
Acq: 06 Jun 2015 08:41



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.8	28.2
125	12.9	10.7	16.1





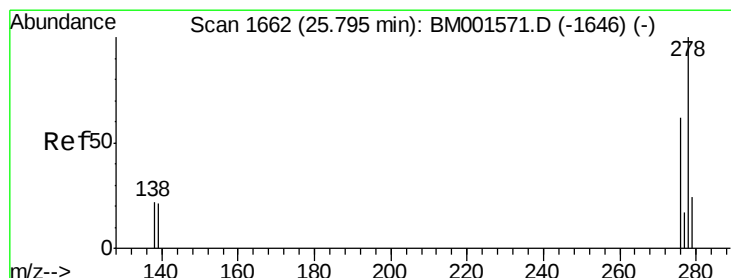
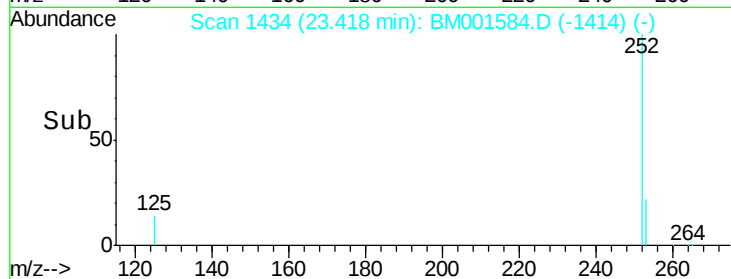
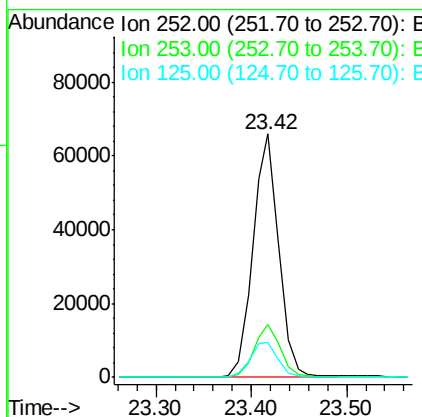
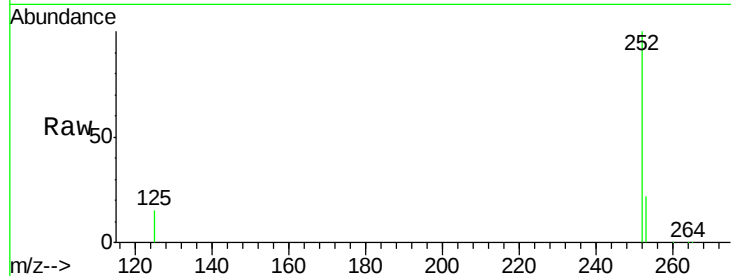
#35
Benzo(a)pyrene
Concen: 8.98 ng
RT: 23.42 min Scan# 1434
Delta R.T. 0.01 min
Lab File: BM001584.D
Acq: 06 Jun 2015 08:41

Instrument :
BNA_M
ClientSampleId :
PB83802BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	21.9	18.8	28.2
125	14.6	12.1	18.1

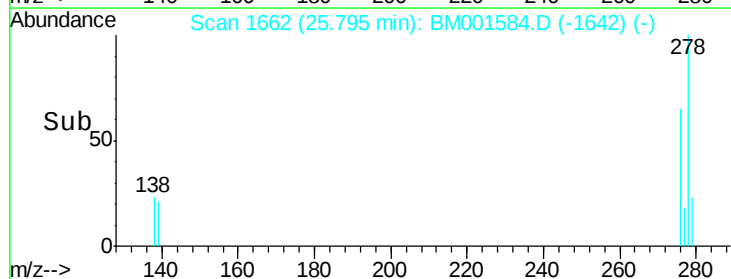
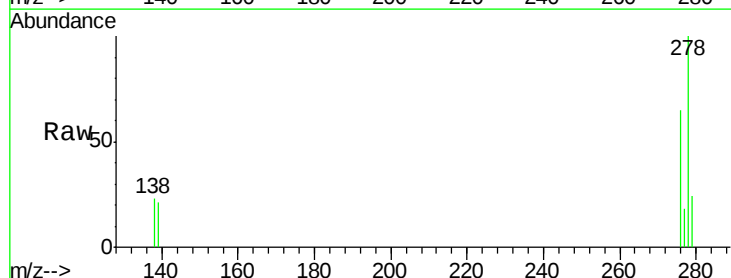
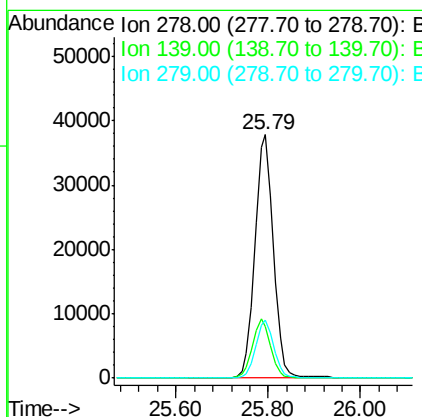
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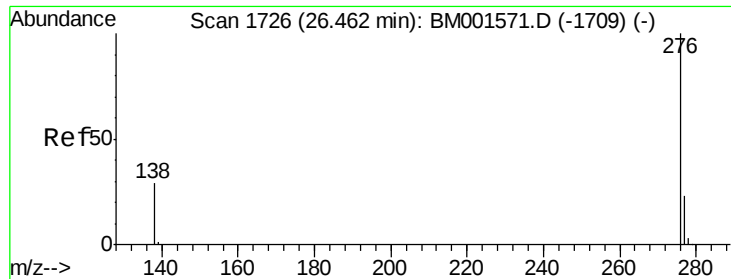
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#36
Dibenzo(a,h)anthracene
Concen: 7.78 ng
RT: 25.79 min Scan# 1662
Delta R.T. 0.01 min
Lab File: BM001584.D
Acq: 06 Jun 2015 08:41

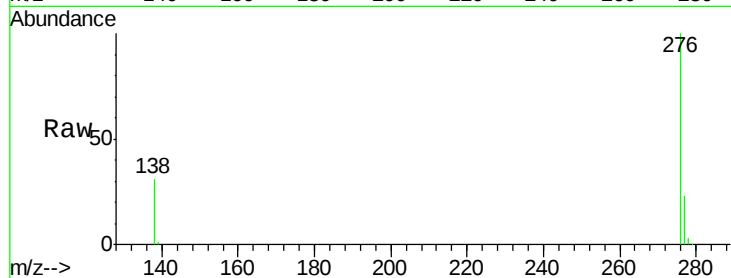
Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	21.3	17.4	26.0
279	23.6	20.0	30.0





#37
 Benzo(g,h,i)perylene
 Concen: 7.60 ng
 RT: 26.46 min Scan# 1726
 Delta R.T. -0.00 min
 Lab File: BM001584.D
 Acq: 06 Jun 2015 08:41

Instrument :
 BNA_M
 ClientSampleId :
 PB83802BS



Tgt	Ion	276	Resp	107704
Ion	Ratio	Lower	Upper	
276	100			
277	23.2	19.2	28.8	
138	31.2	23.7	35.5	

Manual Integrations
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