

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061215\
 Data File : BM001651.D
 Acq On : 11 Jun 2015 20:58
 Operator : TP/IZ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC005

Manual Integrations
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Quant Time: Jun 12 16:35:34 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	20711	5.00	ng	0.00
6) Naphthalene-d8	10.47	136	78720	5.00	ng	0.00
12) Acenaphthene-d10	14.34	164	39568	5.00	ng	0.00
18) Phenanthrene-d10	17.06	188	74206	5.00	ng	0.00
25) Chrysene-d12	21.28	240	70340	5.00	ng	0.01
32) Perylene-d12	23.51	264	55322	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.27	112	23537	4.99	ng	0.00
5) Phenol-d6	6.84	99	30733	5.28	ng	0.00
7) Nitrobenzene-d5	8.85	82	30059	5.38	ng	0.00
13) 2,4,6-Tribromophenol	15.84	330	6049	3.82	ng	0.00
14) 2-Fluorobiphenyl	12.95	172	62815	4.86	ng	0.00
27) Terphenyl-d14	19.72	244	51555	5.50	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.21	88	10440	4.55	ng	97
3) n-Nitrosodimethylamine	3.51	42	17573	5.32	ng	# 98
8) Nitrobenzene	8.89	77	33244	5.53	ng	98
9) Naphthalene	10.52	128	86225	4.86	ng	99
10) Hexachlorobutadiene	10.82	225	14277	4.72	ng	99
11) 2-Methylnaphthalene	12.14	142	57296	5.23	ng	94
15) Acenaphthylene	14.05	152	94373	5.30	ng	100
16) Acenaphthene	14.40	154	54035	4.84	ng	98
20) Hexachlorobenzene	16.38	284	29982	6.91	ng	# 55
21) Pentachlorophenol	16.72	266	11624	8.61	ng	90
23) Anthracene	17.20	178	142107m	7.93	ng	
26) Pyrene	19.51	202	117995	5.13	ng	100
28) Benzo(a)anthracene	21.25	228	104027	5.01	ng	95
29) Chrysene	21.31	228	97357m	4.97	ng	
30) Bis(2-ethylhexyl)phthalate	21.19	149	74929	6.21	ng	98
31) Indeno(1,2,3-cd)pyrene	25.76	276	76111	3.97	ng	100
33) Benzo(b)fluoranthene	22.83	252	88287	5.27	ng	98
34) Benzo(k)fluoranthene	22.87	252	83109	5.14	ng	98
35) Benzo(a)pyrene	23.40	252	74323	5.06	ng	98
36) Dibenzo(a,h)anthracene	25.77	278	59864	4.52	ng	98
37) Benzo(g,h,i)perylene	26.45	276	61628	4.32	ng	99

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

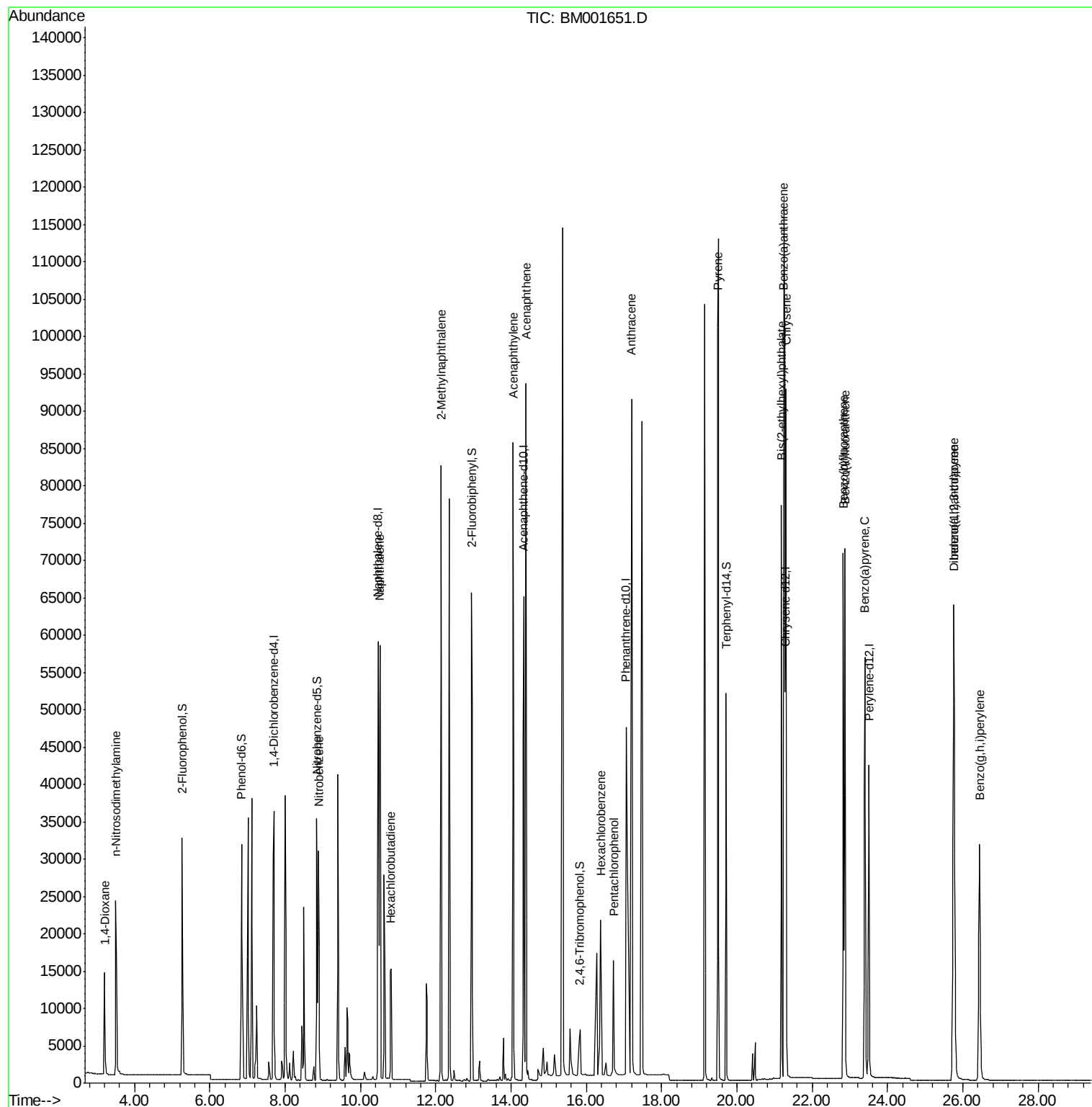
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061215\
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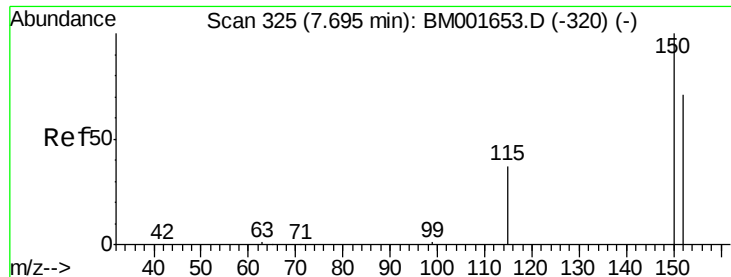
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.69 min Scan# 325

Delta R.T. 0.00 min

Lab File: BM001651.D

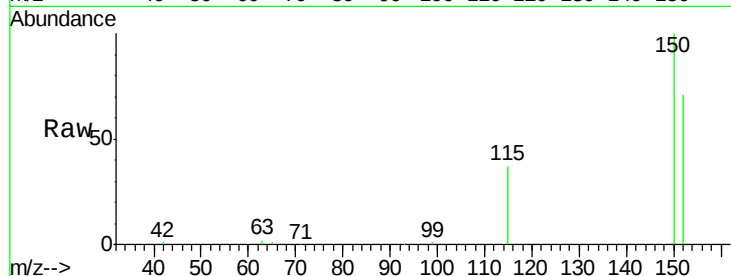
Acq: 11 Jun 2015 20:58

Instrument :

BNA_M

ClientSampleId :

SSTDIC005



Tgt Ion:152 Resp: 20711

Ion Ratio Lower Upper

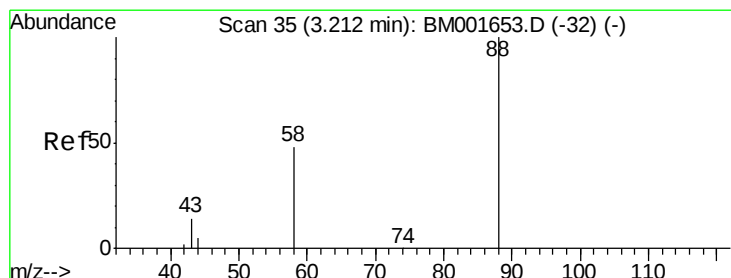
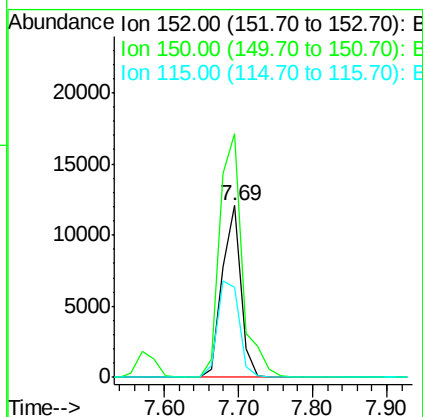
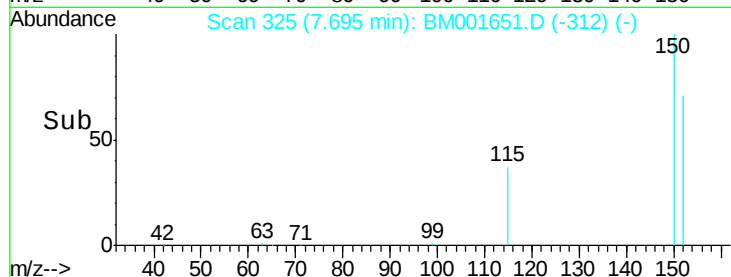
152 100

150 141.6 112.2 168.2

115 52.7 41.7 62.5

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#2

1,4-Dioxane

Concen: 4.55 ng

RT: 3.21 min Scan# 35

Delta R.T. 0.00 min

Lab File: BM001651.D

Acq: 11 Jun 2015 20:58

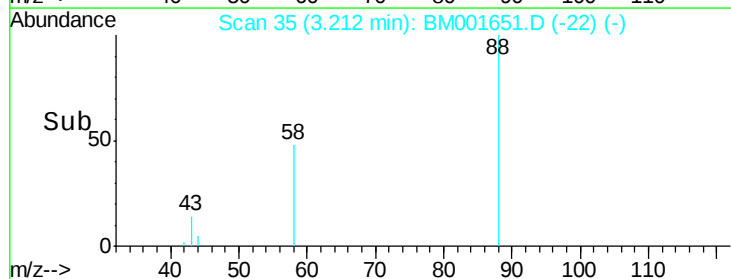
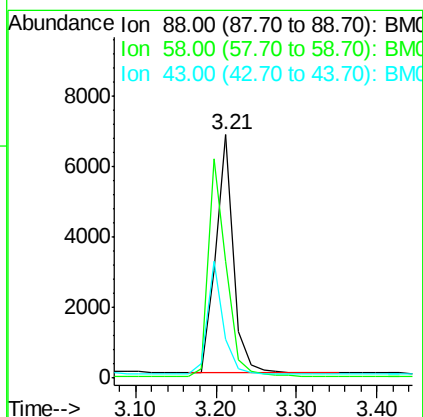
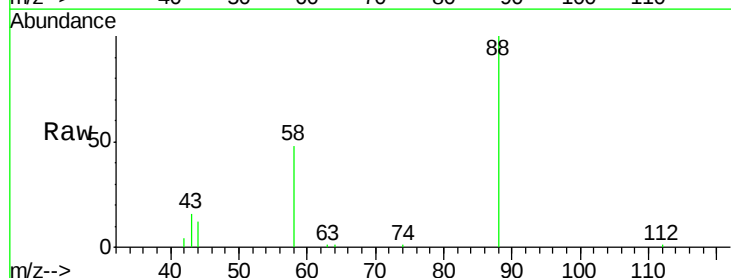
Tgt Ion: 88 Resp: 10440

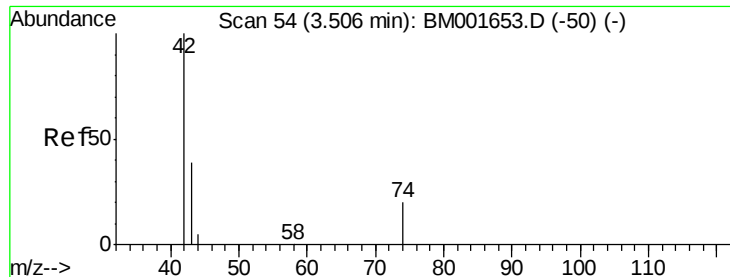
Ion Ratio Lower Upper

88 100

58 91.4 70.5 105.7

43 42.0 33.3 49.9





#3

n-Nitrosodimethylamine

Concen: 5.32 ng

RT: 3.51 min Scan# 54

Delta R.T. 0.00 min

Lab File: BM001651.D

Acq: 11 Jun 2015 20:58

Instrument :

BNA_M

ClientSampleId :

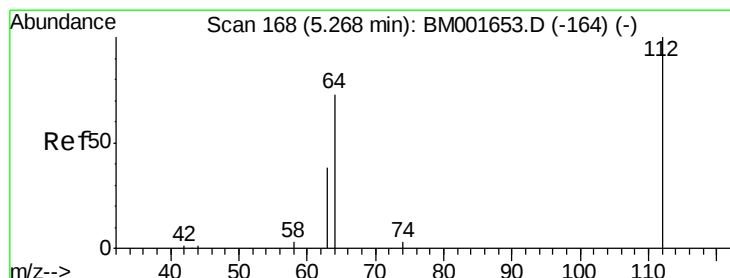
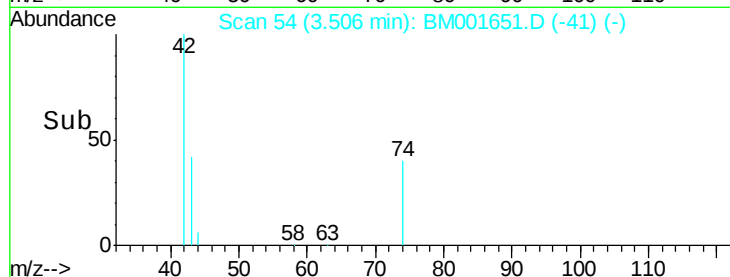
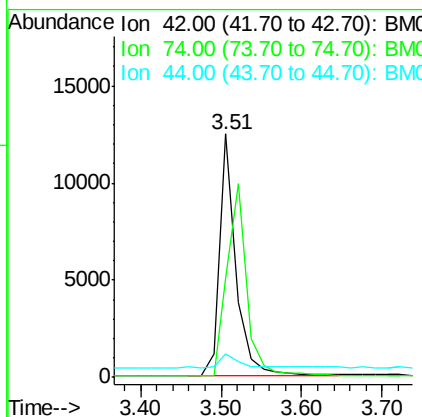
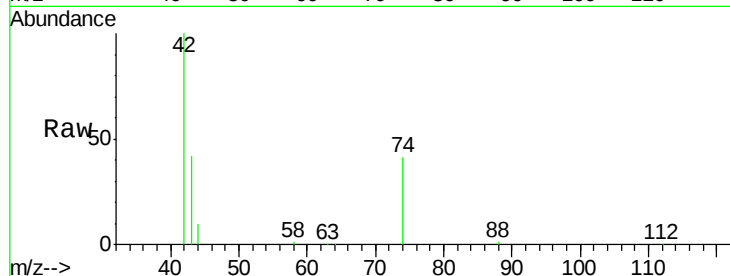
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Tgt Ion:	42	Resp:	17573
Ion Ratio	Lower	Upper	
42	100		
74	96.2	75.7	113.5
44	6.5	6.7	10.1#



#4

2-Fluorophenol

Concen: 4.99 ng

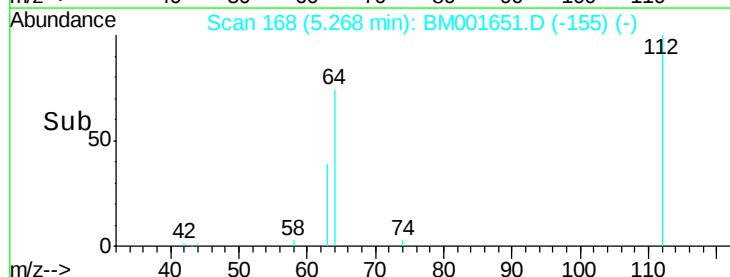
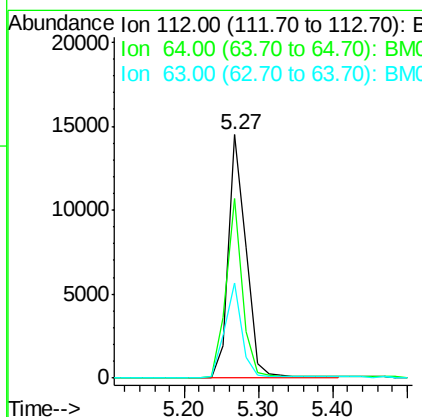
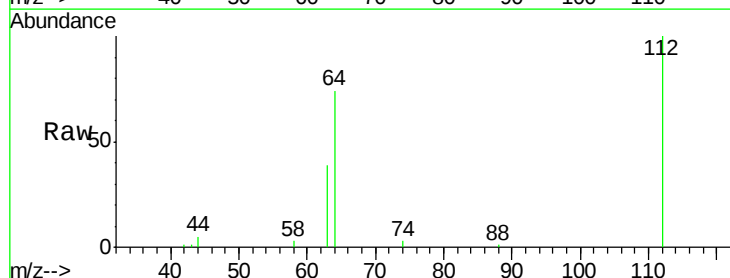
RT: 5.27 min Scan# 168

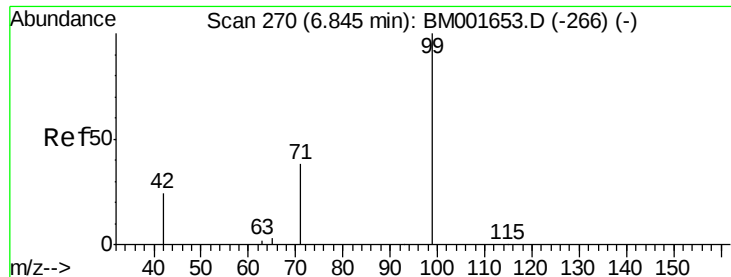
Delta R.T. 0.00 min

Lab File: BM001651.D

Acq: 11 Jun 2015 20:58

Tgt Ion:	112	Resp:	23537
Ion Ratio	Lower	Upper	
112	100		
64	69.3	55.5	83.3
63	37.9	29.9	44.9





#5

Phenol-d6

Concen: 5.28 ng

RT: 6.84 min Scan# 270

Delta R.T. 0.00 min

Lab File: BM001651.D

Acq: 11 Jun 2015 20:58

Instrument :

BNA_M

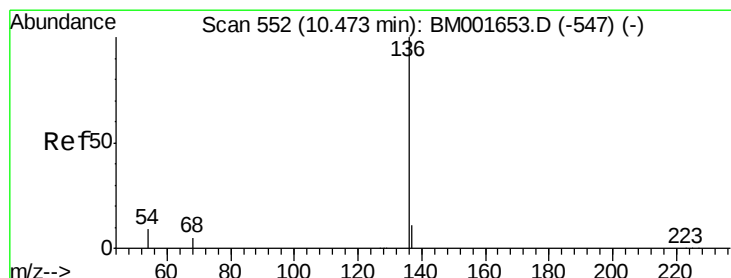
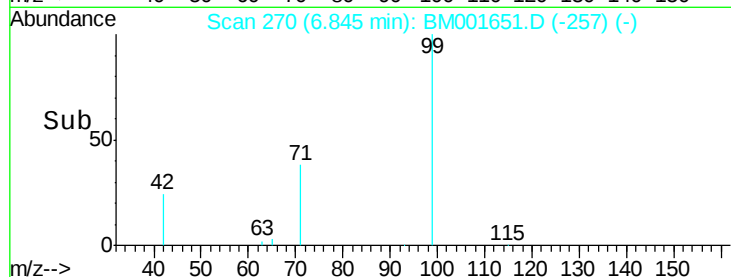
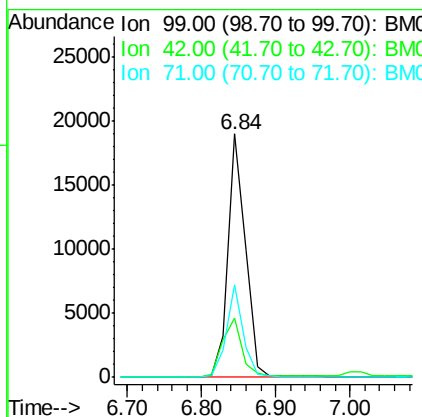
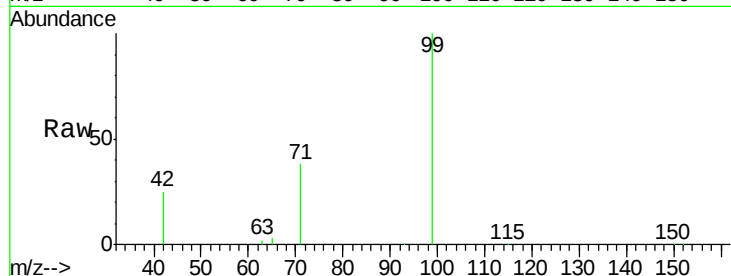
ClientSampleId :

SSTDICC005

Tgt Ion:	99	Resp:	30733
Ion Ratio	Lower	Upper	
99	100		
42	26.9	21.6	32.4
71	35.8	28.7	43.1

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#6

Naphthalene-d8

Concen: 5.00 ng

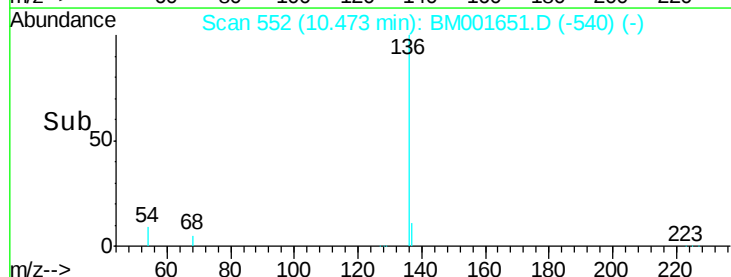
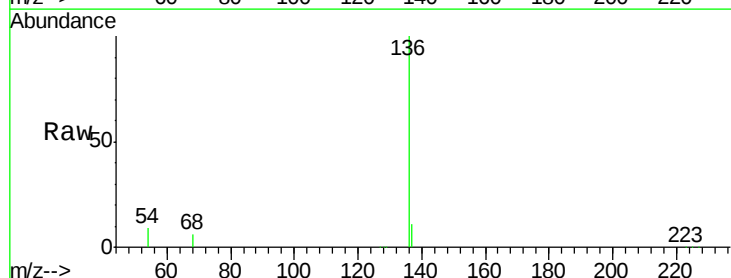
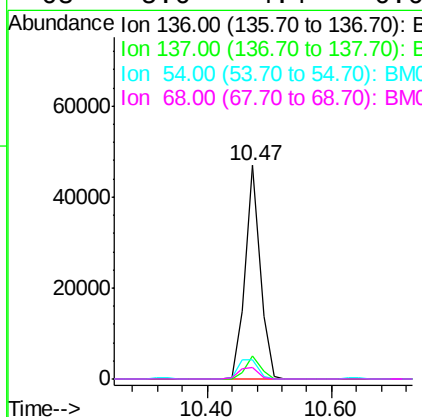
RT: 10.47 min Scan# 552

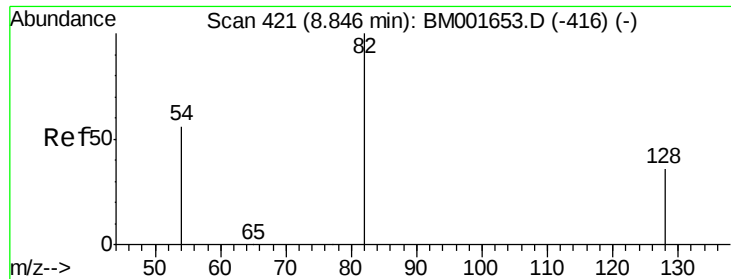
Delta R.T. 0.00 min

Lab File: BM001651.D

Acq: 11 Jun 2015 20:58

Tgt Ion:	136	Resp:	78720
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.7	13.1
54	8.8	6.9	10.3
68	5.6	4.4	6.6





#7

Nitrobenzene-d5

Concen: 5.38 ng

RT: 8.85 min Scan# 421

Delta R.T. 0.00 min

Lab File: BM001651.D

Acq: 11 Jun 2015 20:58

Instrument :

BNA_M

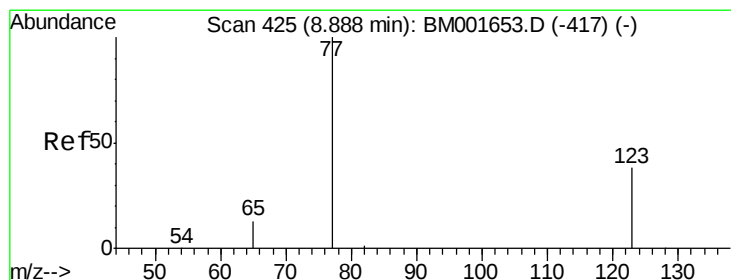
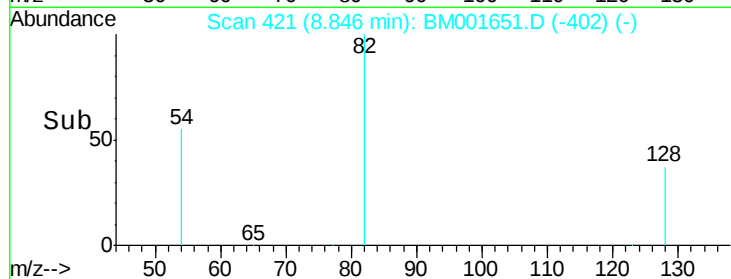
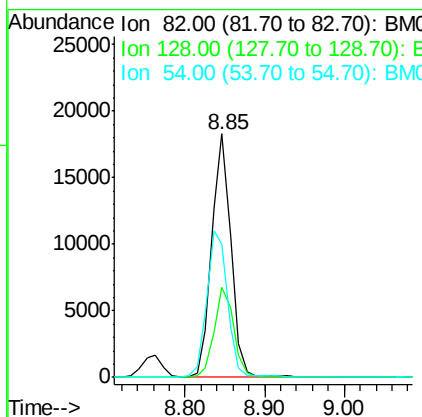
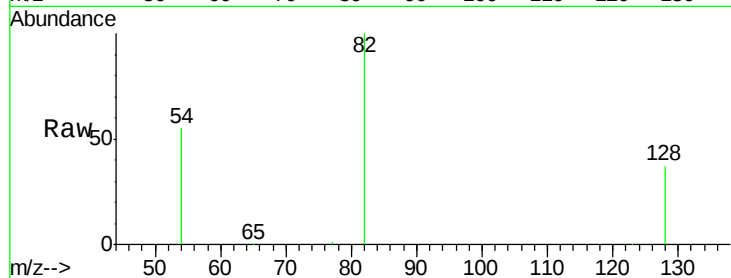
ClientSampleId :

SSTDIC005

Tgt Ion:	82	Resp:	30059
Ion Ratio	Lower	Upper	
82	100		
128	37.1	29.7	44.5
54	54.7	45.1	67.7

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#8

Nitrobenzene

Concen: 5.53 ng

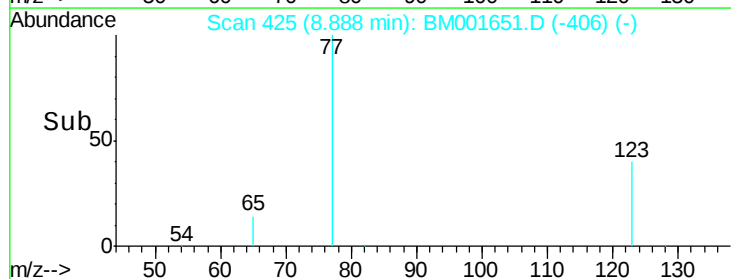
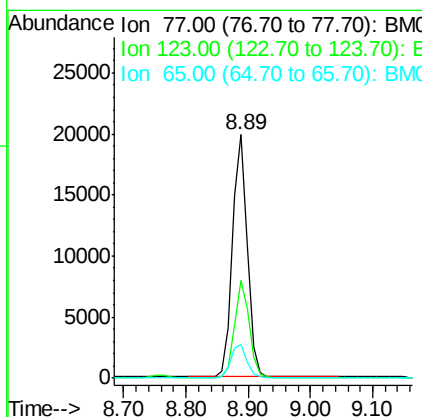
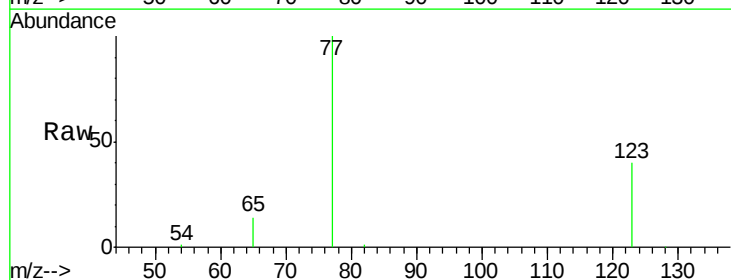
RT: 8.89 min Scan# 425

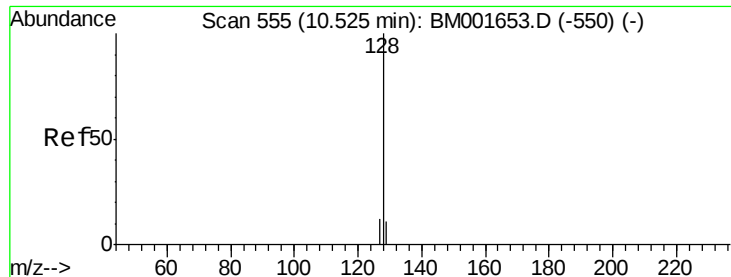
Delta R.T. 0.00 min

Lab File: BM001651.D

Acq: 11 Jun 2015 20:58

Tgt Ion:	77	Resp:	33244
Ion Ratio	Lower	Upper	
77	100		
123	39.4	30.3	45.5
65	14.4	11.2	16.8





#9

Naphthalene

Concen: 4.86 ng

RT: 10.52 min Scan# 555

Delta R.T. 0.00 min

Lab File: BM001651.D

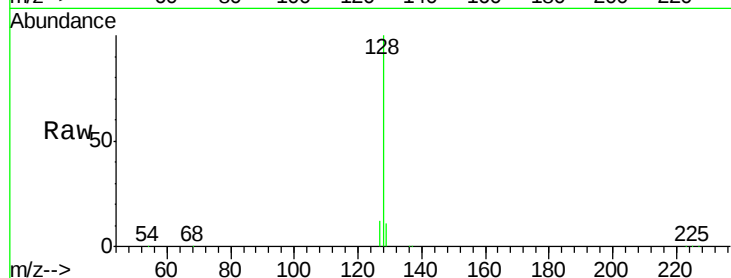
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Instrument :

BNA_M

ClientSampleId :

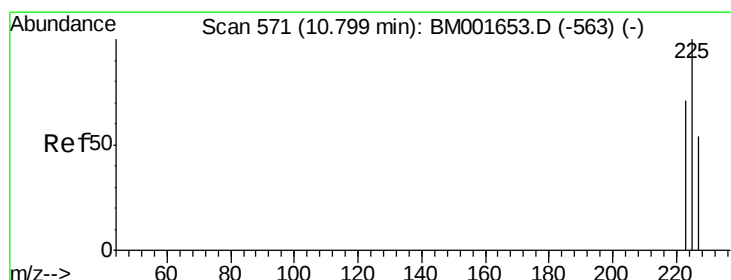
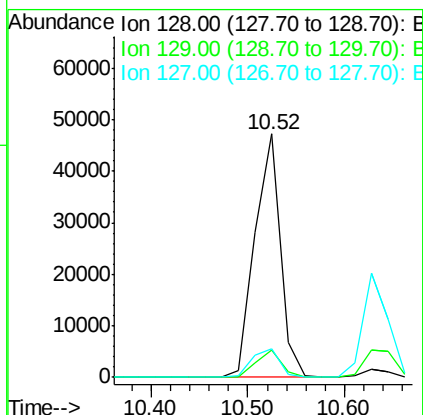
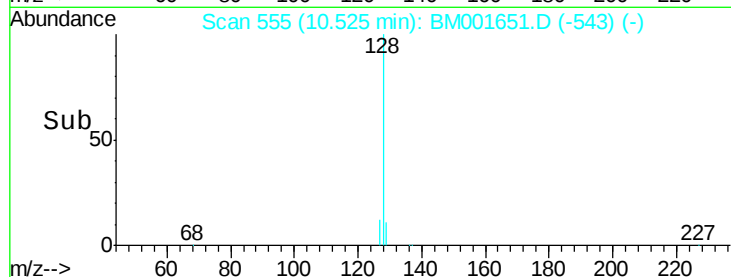
SSTDICC005



Tgt Ion:	128	Resp:	86225
Ion Ratio	Lower	Upper	
128	100		
129	11.4	9.4	14.2
127	11.8	9.7	14.5

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#10

Hexachlorobutadiene

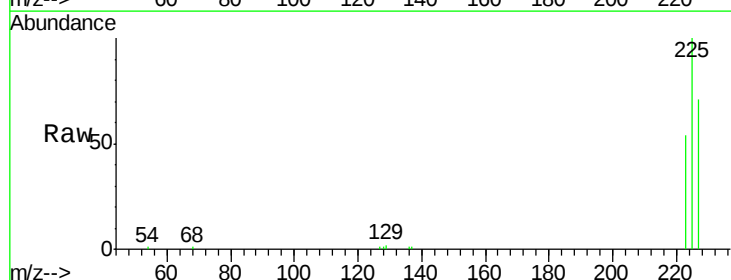
Concen: 4.72 ng

RT: 10.82 min Scan# 572

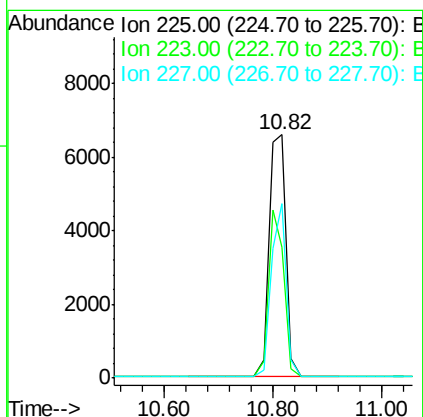
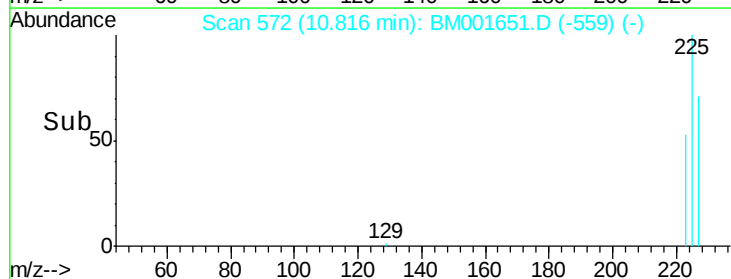
Delta R.T. 0.02 min

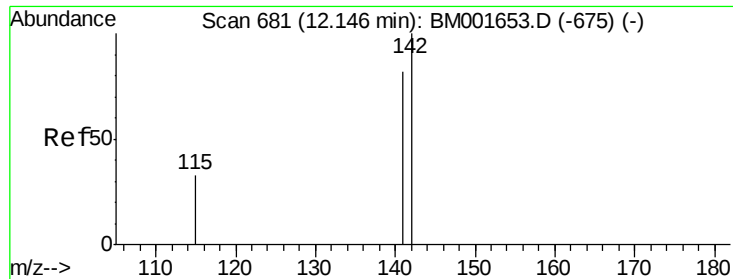
Lab File: BM001651.D

Acq: 11 Jun 2015 20:58



Tgt Ion:	225	Resp:	14277
Ion Ratio	Lower	Upper	
225	100		
223	62.4	51.0	76.4
227	63.4	51.2	76.8





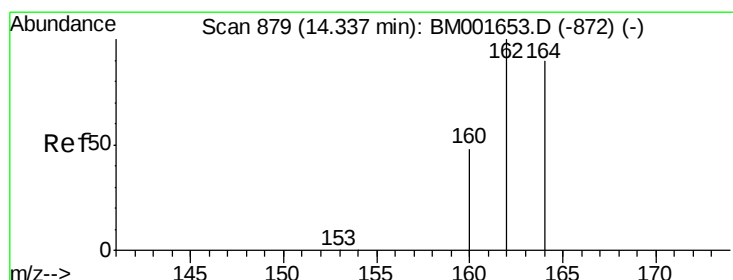
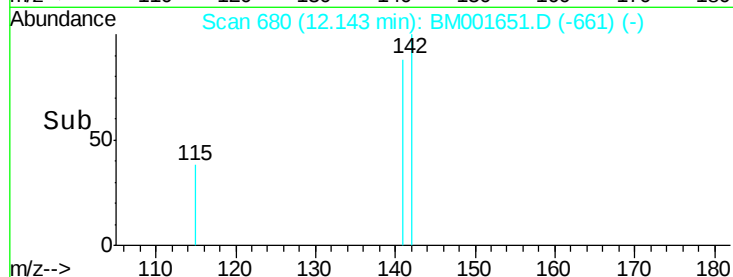
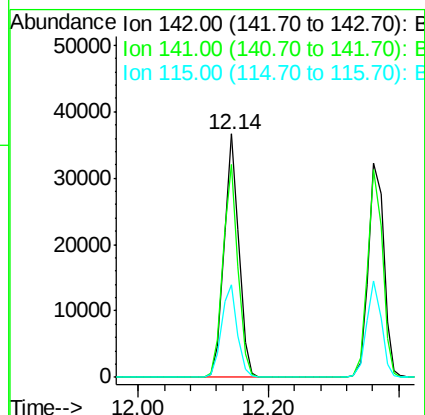
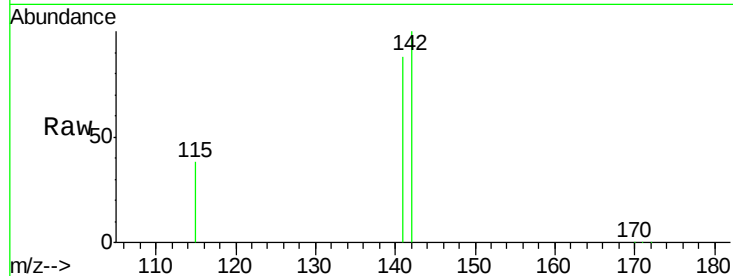
#11
2-Methylnaphthalene
Concen: 5.23 ng
RT: 12.14 min Scan# 680
Delta R.T. -0.00 min
Lab File: BM001651.D
Acq: 11 Jun 2015 20:58

Instrument :
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ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.6	65.8	98.6
115	37.8	27.0	40.6

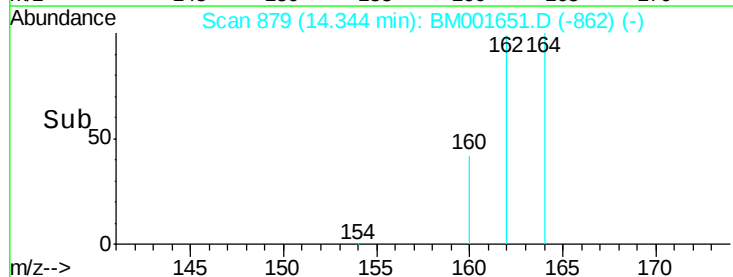
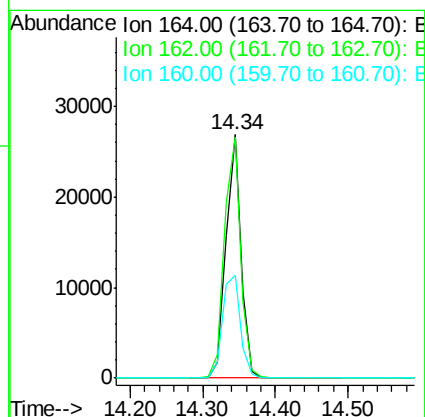
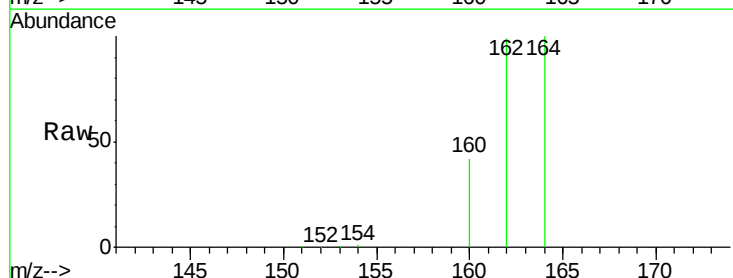
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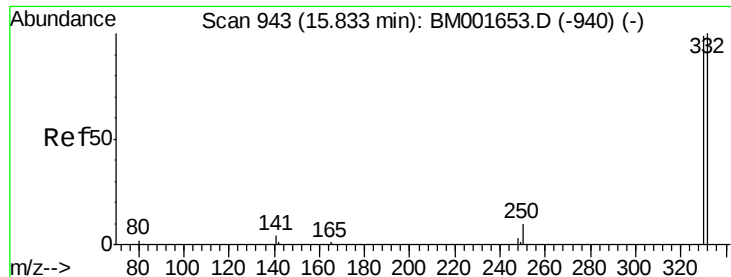
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.34 min Scan# 879
Delta R.T. 0.01 min
Lab File: BM001651.D
Acq: 11 Jun 2015 20:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.2	89.0	133.4
160	42.3	42.6	63.8#





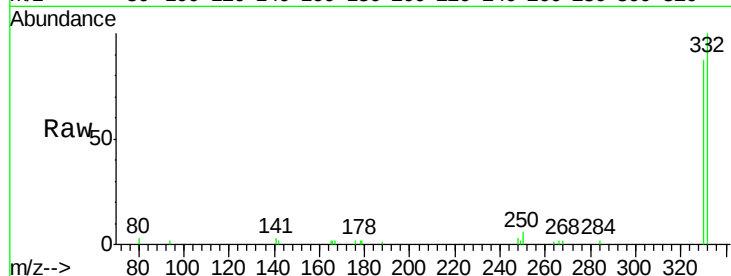
#13
 2,4,6-Tribromophenol
 Concen: 3.82 ng
 RT: 15.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: BM001651.D
 Acq: 11 Jun 2015 20:58

Instrument :
 BNA_M
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 SSTDICC005

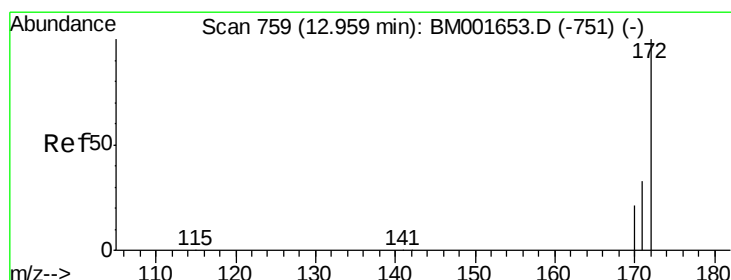
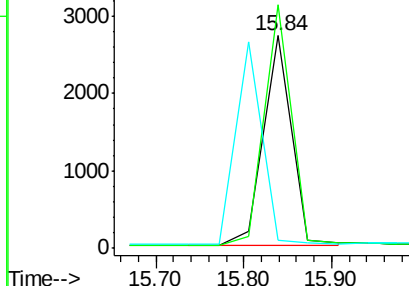
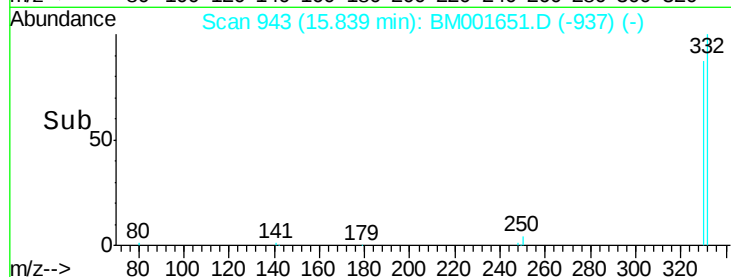
Tgt Ion	Ratio	Lower	Upper
330	100		
332	111.0	80.6	120.8
141	0.0	0.0	0.0

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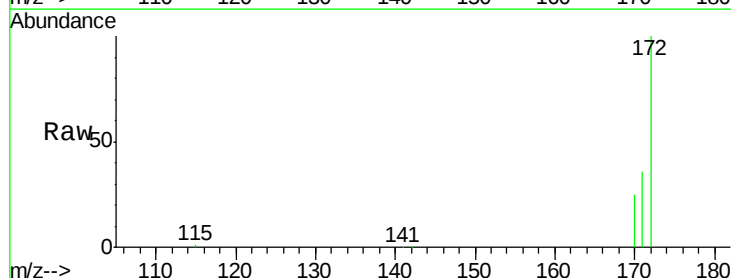


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

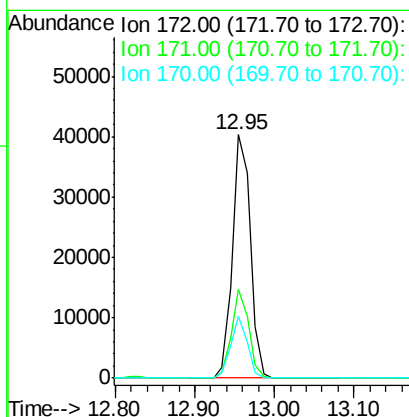
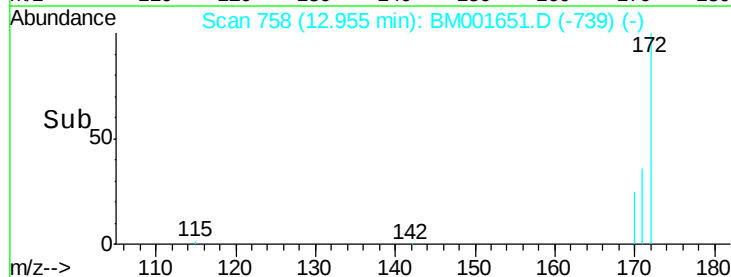


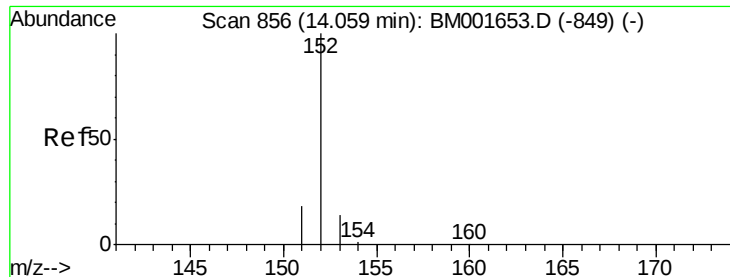
#14
 2-Fluorobiphenyl
 Concen: 4.86 ng
 RT: 12.95 min Scan# 758
 Delta R.T. -0.00 min
 Lab File: BM001651.D
 Acq: 11 Jun 2015 20:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	26.6	40.0
170	25.5	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





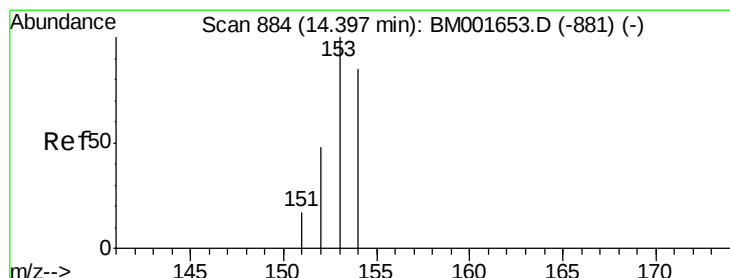
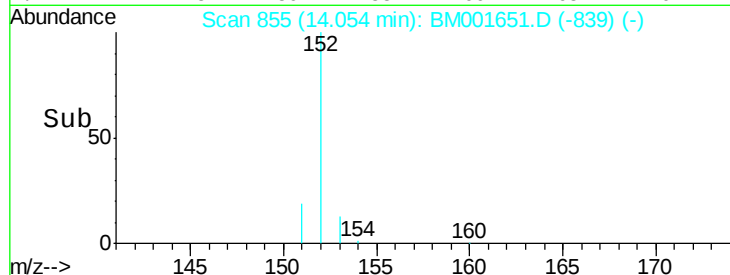
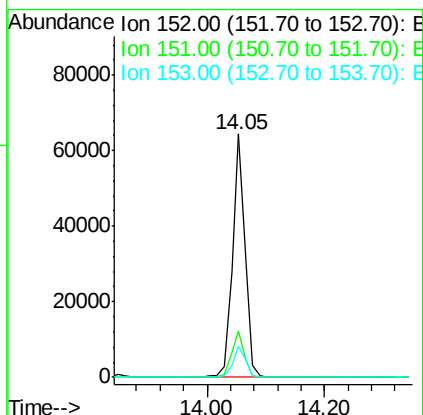
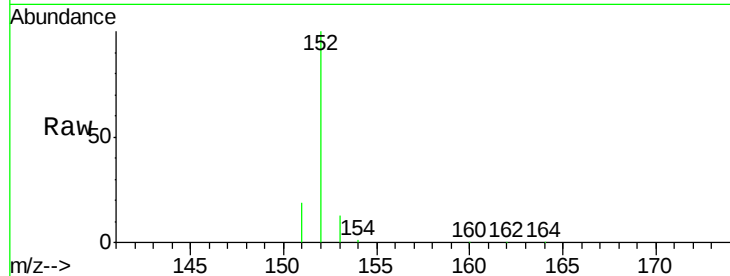
#15
Acenaphthylene
Concen: 5.30 ng
RT: 14.05 min Scan# 855
Delta R.T. -0.01 min
Lab File: BM001651.D
Acq: 11 Jun 2015 20:58

Instrument :
BNA_M
ClientSampleId :
SSTDIC005

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

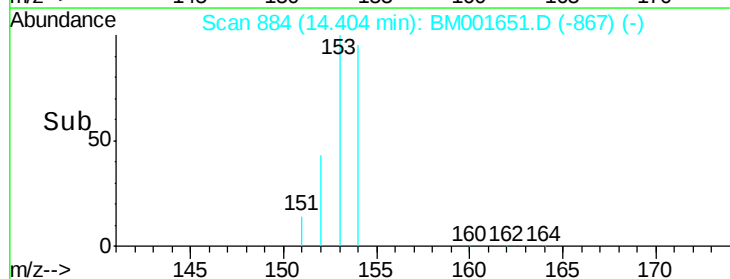
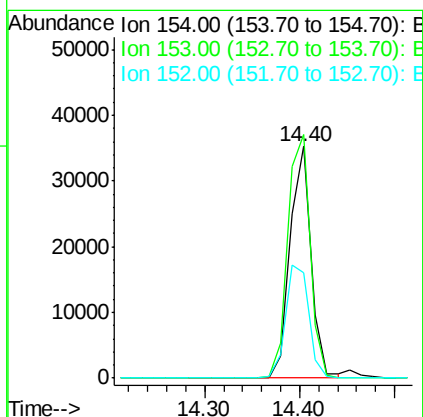
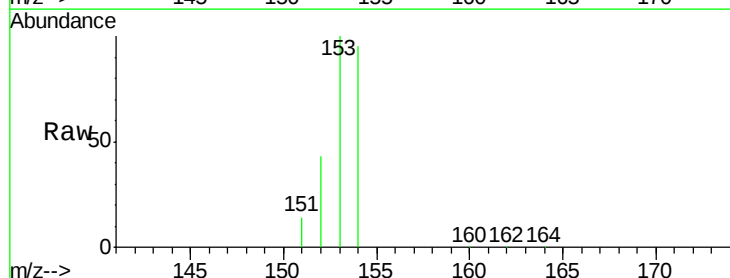
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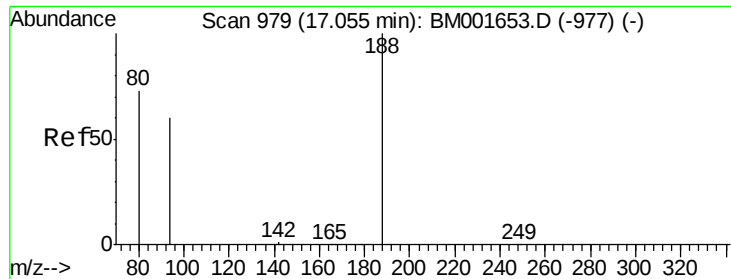
apatel
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#16
Acenaphthene
Concen: 4.84 ng
RT: 14.40 min Scan# 884
Delta R.T. 0.01 min
Lab File: BM001651.D
Acq: 11 Jun 2015 20:58

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.8	91.0	136.6
152	53.7	43.8	65.8





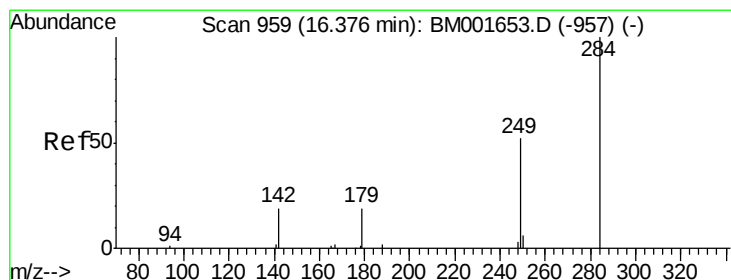
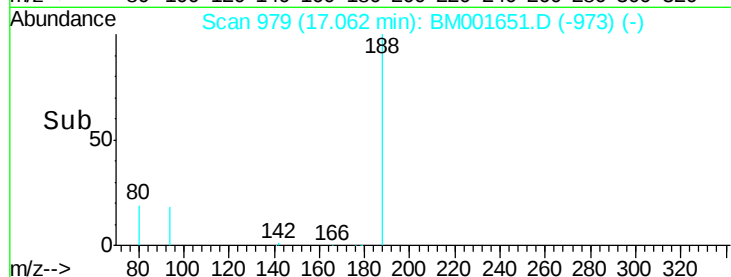
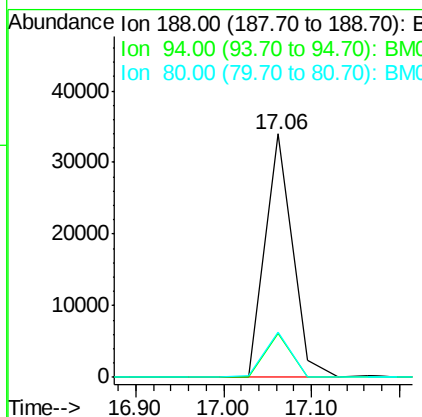
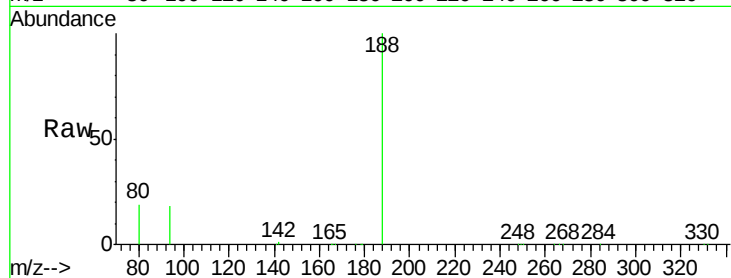
#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.06 min Scan# 979
Delta R.T. 0.01 min
Lab File: BM001651.D
Acq: 11 Jun 2015 20:58

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion	Ratio	Lower	Upper
188	100		
94	18.1	48.3	72.5#
80	18.8	58.6	88.0#

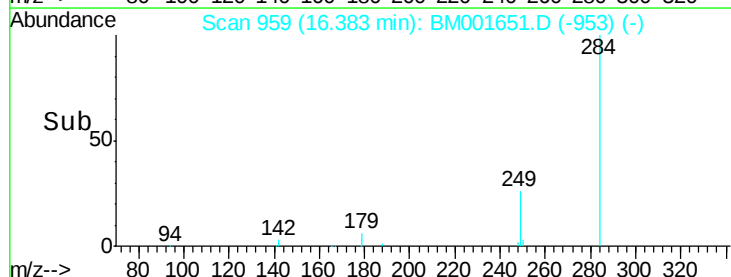
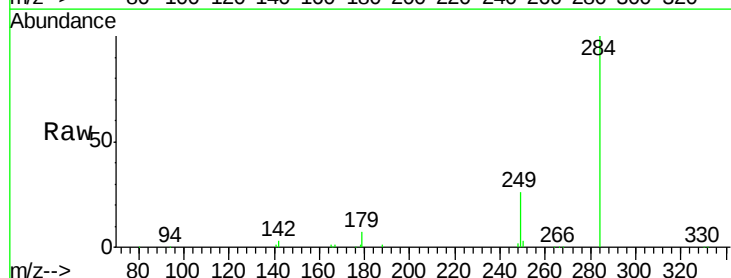
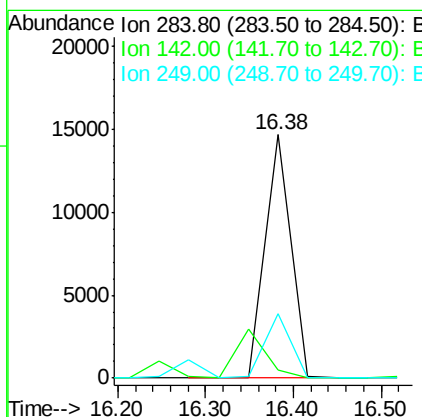
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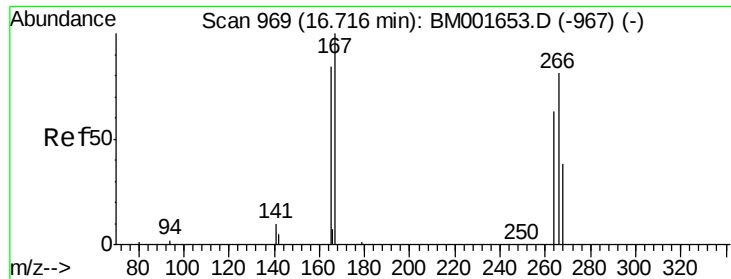
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#20
Hexachlorobenzene
Concen: 6.91 ng
RT: 16.38 min Scan# 959
Delta R.T. 0.01 min
Lab File: BM001651.D
Acq: 11 Jun 2015 20:58

Tgt Ion	Ratio	Lower	Upper
284	100		
142	0.0	21.5	32.3#
249	33.4	53.8	80.6#





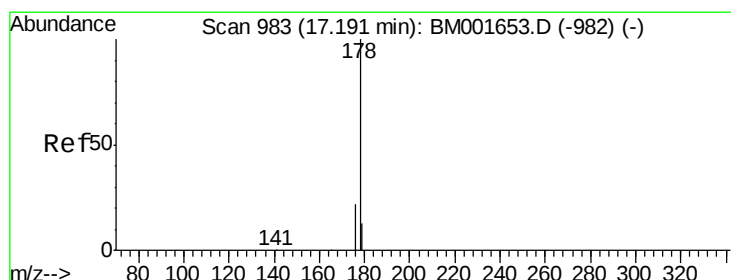
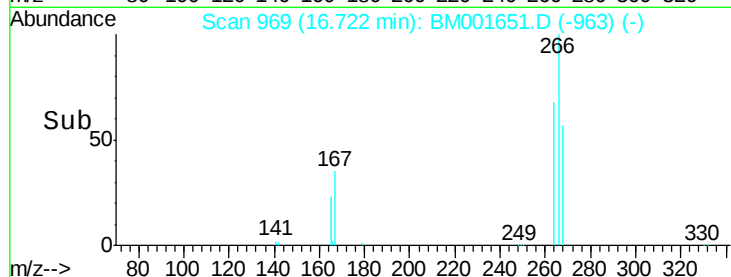
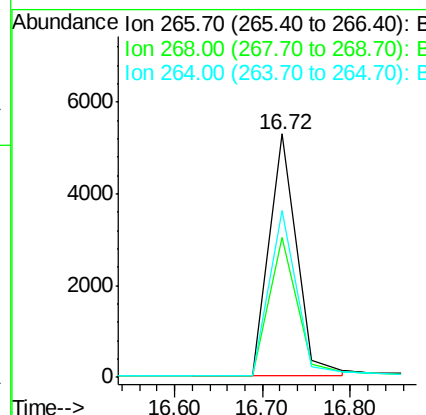
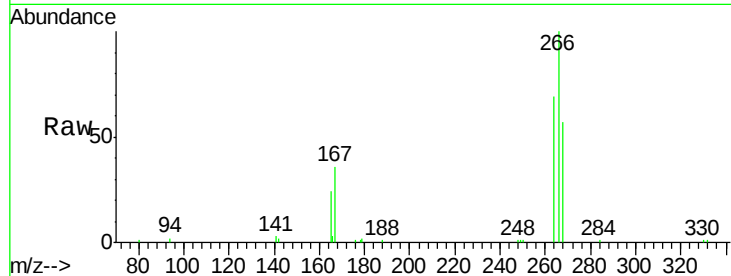
#21
 Pentachlorophenol
 Concen: 8.61 ng
 RT: 16.72 min Scan# 969
 Delta R.T. 0.01 min
 Lab File: BM001651.D
 Acq: 11 Jun 2015 20:58

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC005

Tgt Ion	Ratio	Lower	Upper
266	100		
268	57.3	43.3	64.9
264	68.6	64.5	96.7

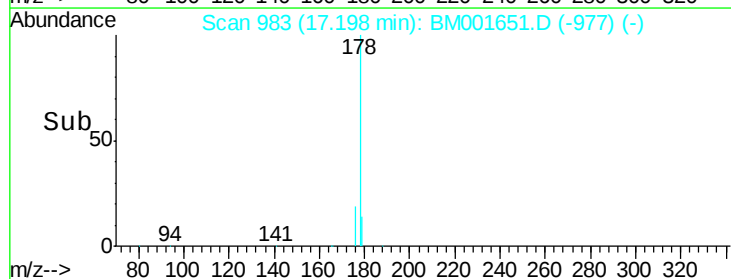
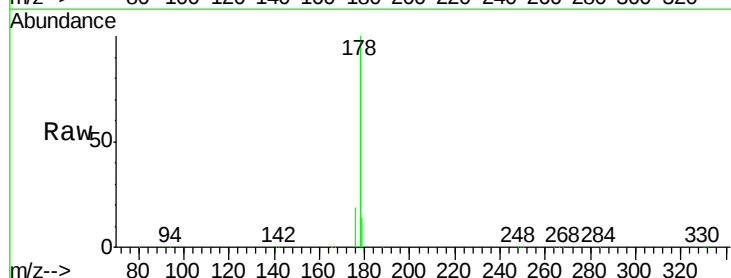
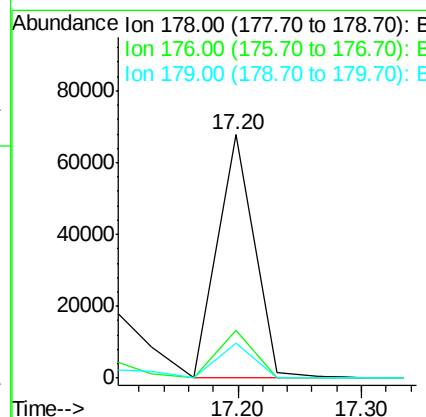
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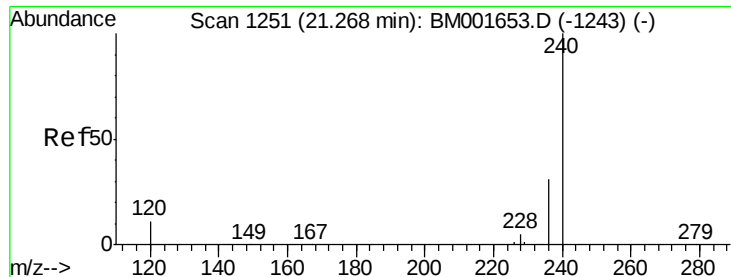
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#23
 Anthracene
 Concen: 7.93 ng m
 RT: 17.20 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: BM001651.D
 Acq: 11 Jun 2015 20:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	28.0	0.0	0.0#
179	20.1	21.4	32.0#





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.28 min Scan# 1253

Delta R.T. 0.01 min

Lab File: BM001651.D

Acq: 11 Jun 2015 20:58

Instrument :

BNA_M

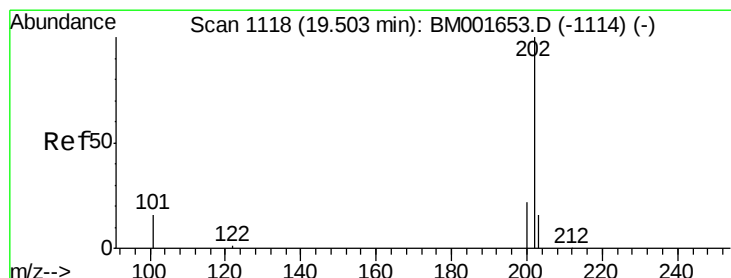
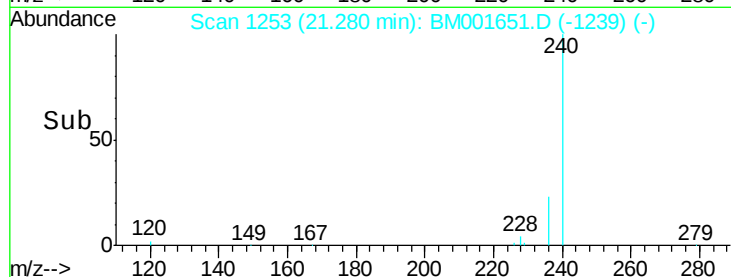
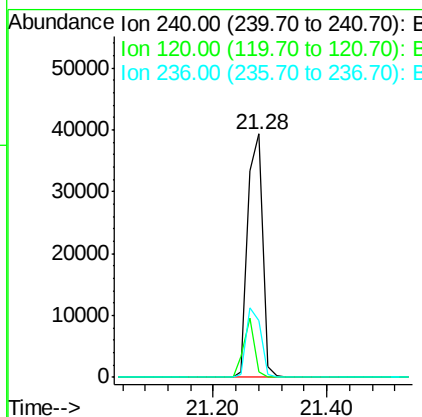
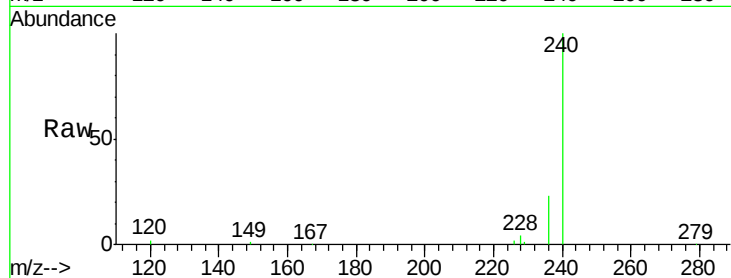
ClientSampleId :

SSTDICC005

Tgt Ion	Ratio	Lower	Upper
240	100		
120	2.2	8.9	13.3#
236	23.1	24.6	36.8#

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#26

Pyrene

Concen: 5.13 ng

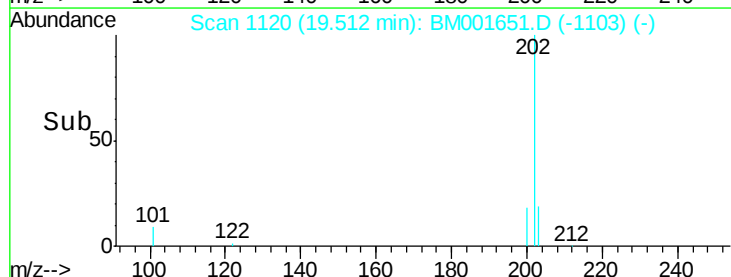
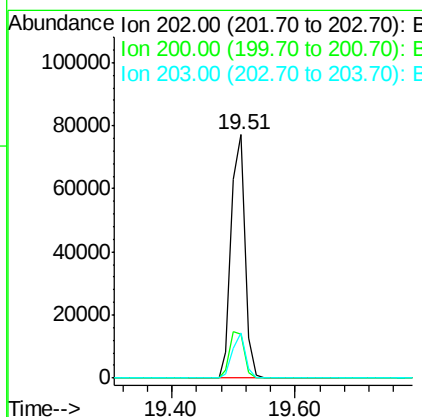
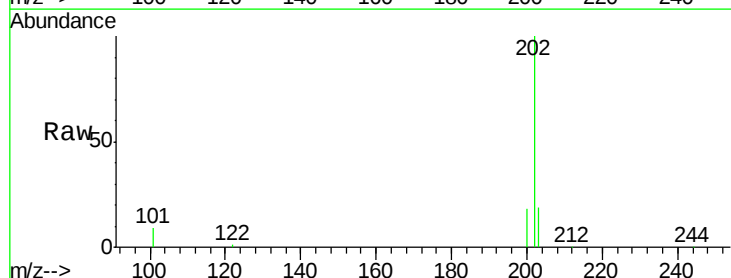
RT: 19.51 min Scan# 1120

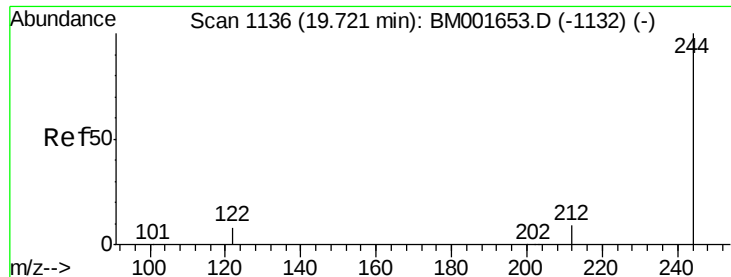
Delta R.T. 0.01 min

Lab File: BM001651.D

Acq: 11 Jun 2015 20:58

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.6	24.8
203	17.3	13.8	20.8





#27

Terphenyl-d14

Concen: 5.50 ng

RT: 19.72 min Scan# 1137

Delta R.T. -0.00 min

Lab File: BM001651.D

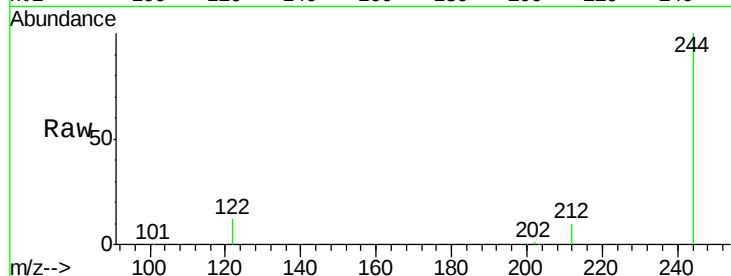
Acq: 11 Jun 2015 20:58

Instrument :

BNA_M

ClientSampleId :

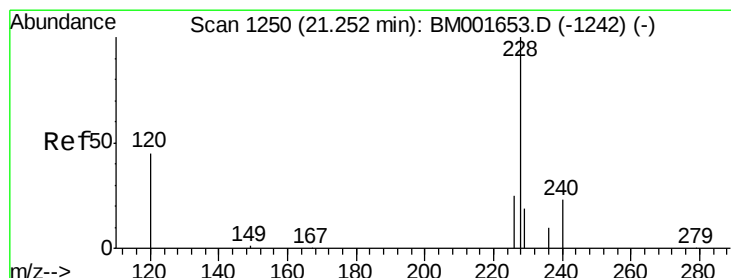
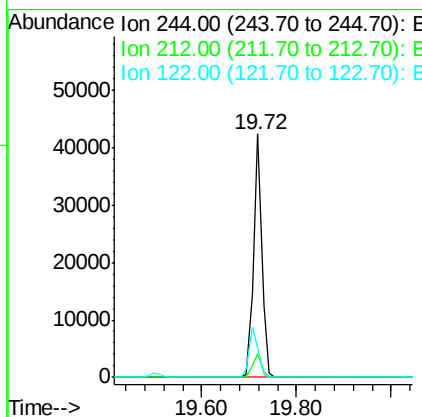
SSTDICC005



Tgt Ion:	244	Resp:	51555
Ion Ratio	Lower	Upper	
244	100		
212	9.8	7.7	11.5
122	12.0	6.9	10.3

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#28

Benzo(a)anthracene

Concen: 5.01 ng

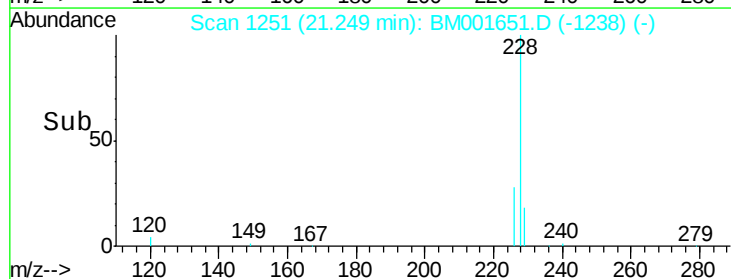
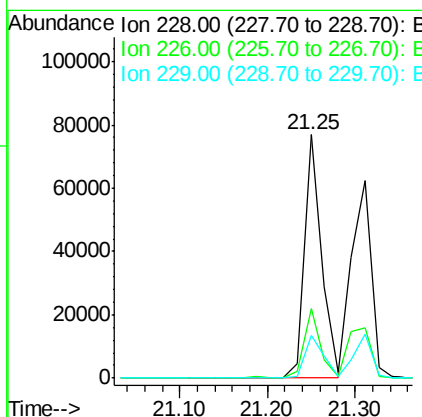
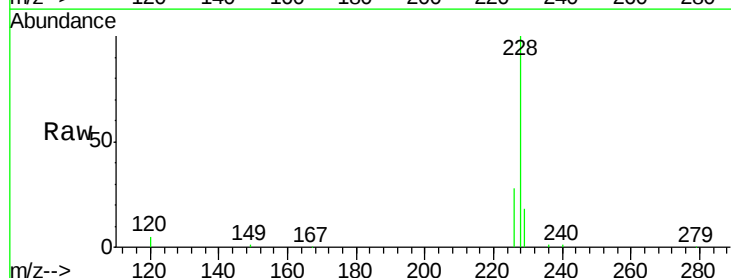
RT: 21.25 min Scan# 1251

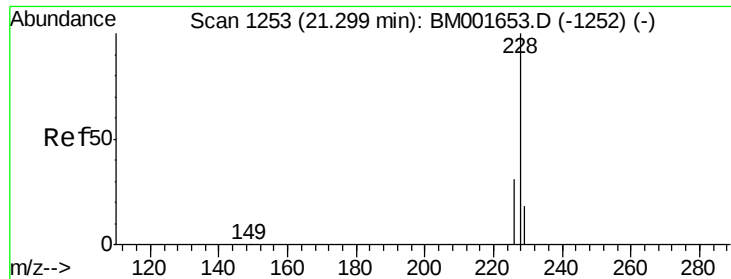
Delta R.T. -0.00 min

Lab File: BM001651.D

Acq: 11 Jun 2015 20:58

Tgt Ion:	228	Resp:	104027
Ion Ratio	Lower	Upper	
228	100		
226	28.4	20.2	30.4
229	17.8	15.7	23.5





#29

Chrysene

Concen: 4.97 ng m

RT: 21.31 min Scan# 1255

Delta R.T. 0.01 min

Lab File: BM001651.D

Acq: 11 Jun 2015 20:58

Instrument :

BNA_M

ClientSampleId :

SSTDIC005

Tgt Ion: 228 Resp: 97357

Ion Ratio Lower Upper

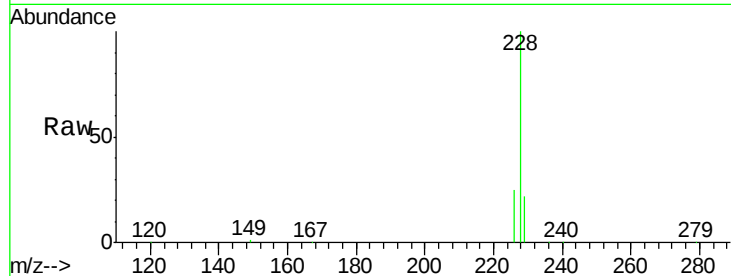
228 100

226 25.1 25.8 38.8#

229 22.0 14.1 21.1#

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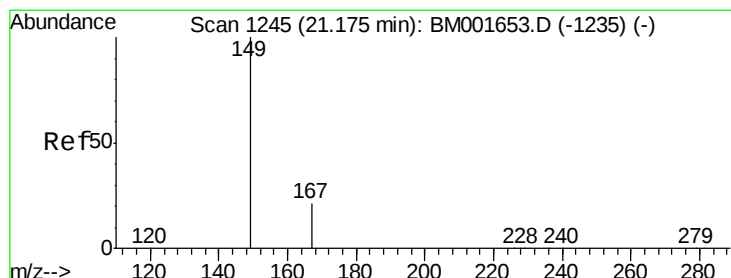
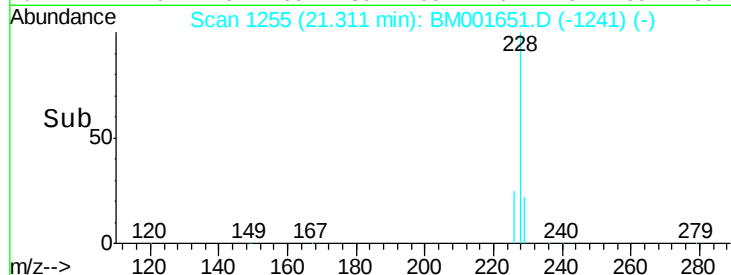
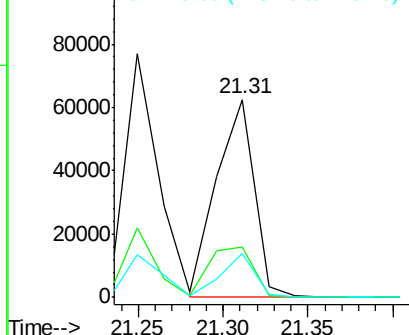


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#30

Bis(2-ethylhexyl)phthalate

Concen: 6.21 ng

RT: 21.19 min Scan# 1247

Delta R.T. 0.01 min

Lab File: BM001651.D

Acq: 11 Jun 2015 20:58

Tgt Ion: 149 Resp: 74929

Ion Ratio Lower Upper

149 100

167 26.3 20.2 30.2

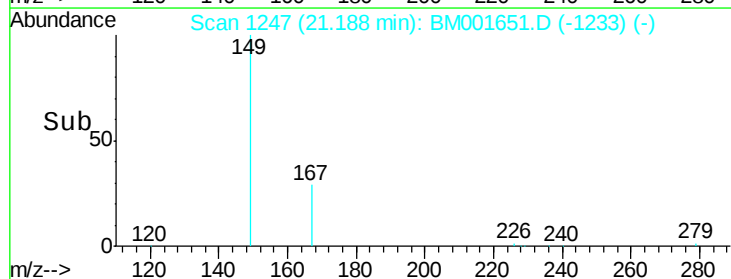
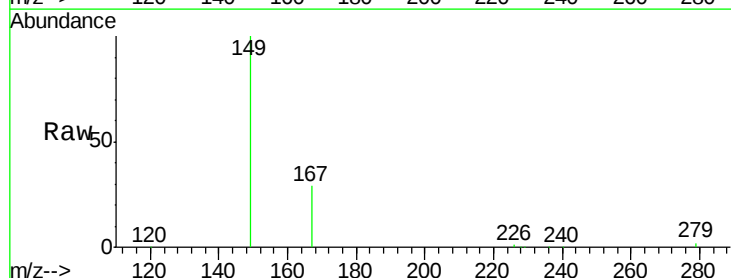
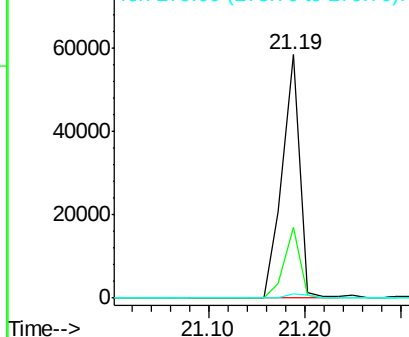
279 2.0 1.7 2.5

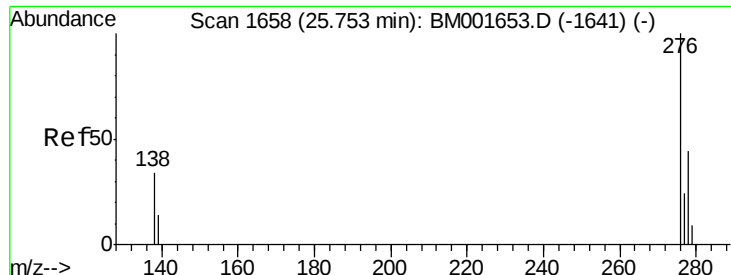
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

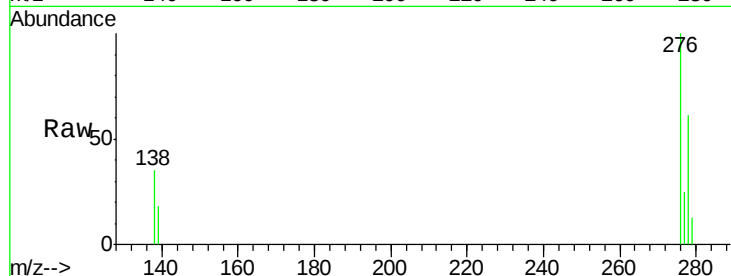
Ion 279.00 (278.70 to 279.70): E





#31
Indeno(1,2,3-cd)pyrene
Concen: 3.97 ng
RT: 25.76 min Scan# 1660
Delta R.T. 0.01 min
Lab File: BM001651.D
Acq: 11 Jun 2015 20:58

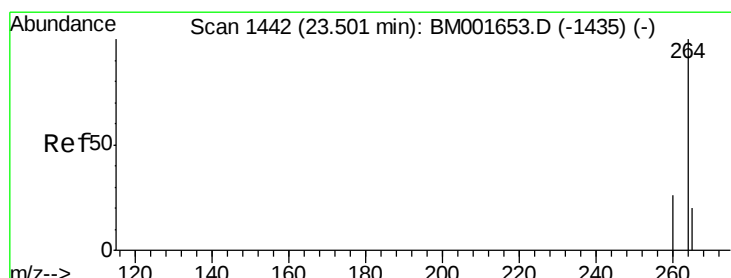
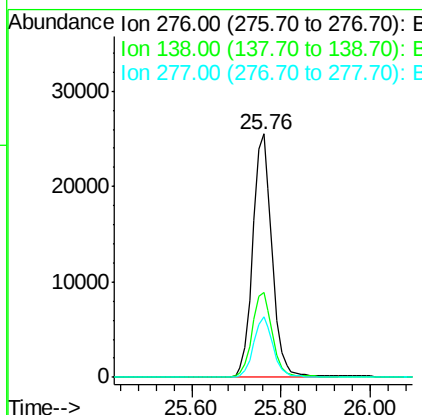
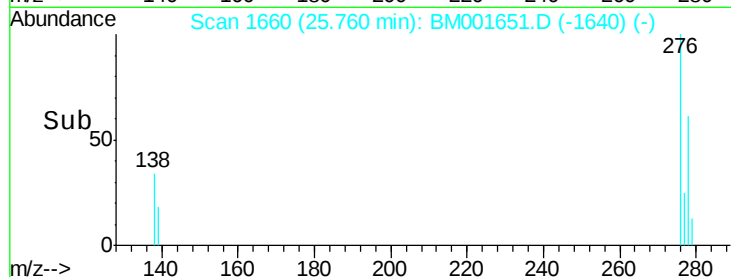
Instrument :
BNA_M
ClientSampleId :
SSTDIC005



Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	36.1	28.8	43.2
277	24.5	19.6	29.4

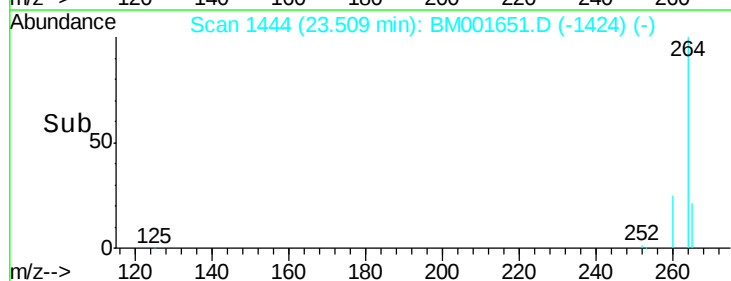
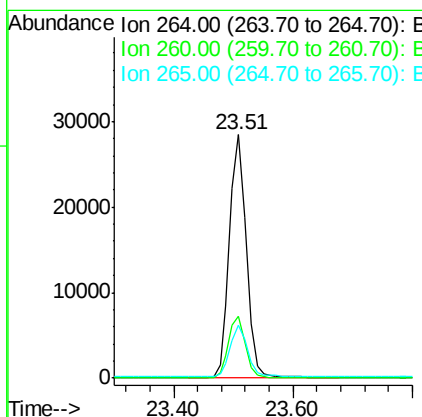
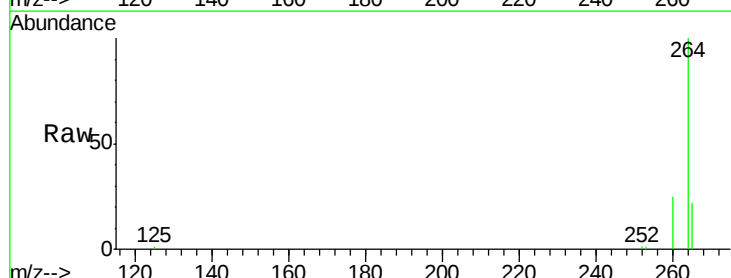
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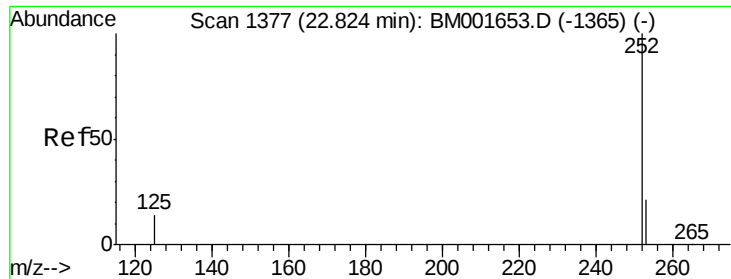
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#32
Perylene-d12
Concen: 5.00 ng
RT: 23.51 min Scan# 1444
Delta R.T. 0.01 min
Lab File: BM001651.D
Acq: 11 Jun 2015 20:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	25.2	20.8	31.2
265	21.8	16.9	25.3





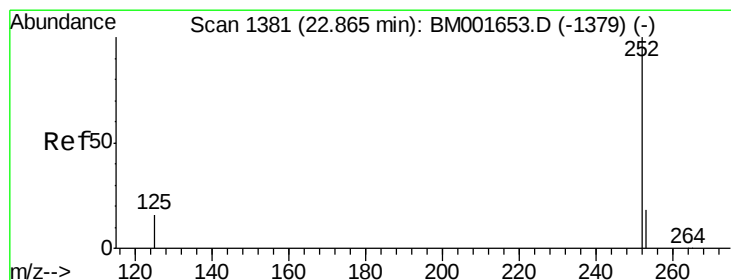
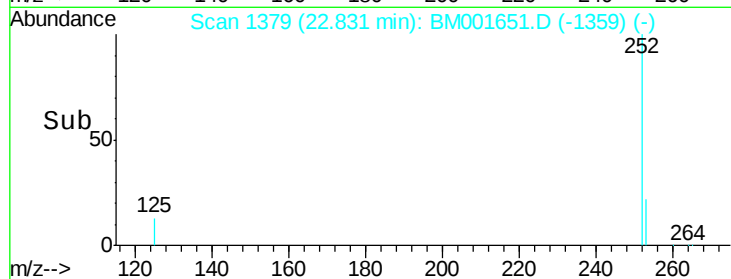
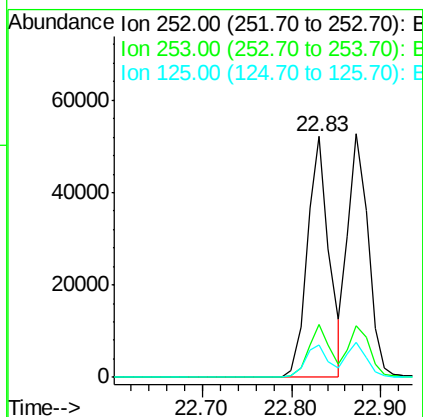
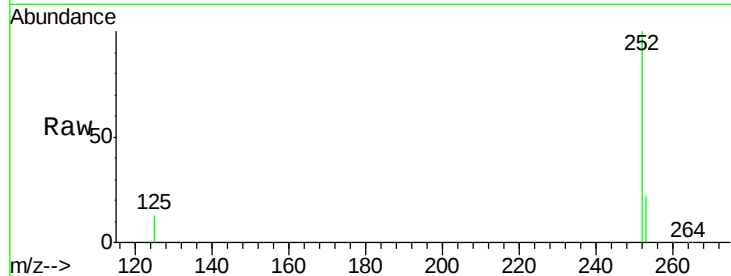
#33
Benzo(b)fluoranthene
Concen: 5.27 ng
RT: 22.83 min Scan# 1379
Delta R.T. 0.01 min
Lab File: BM001651.D
Acq: 11 Jun 2015 20:58

Instrument :
BNA_M
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	13.4	12.0	18.0

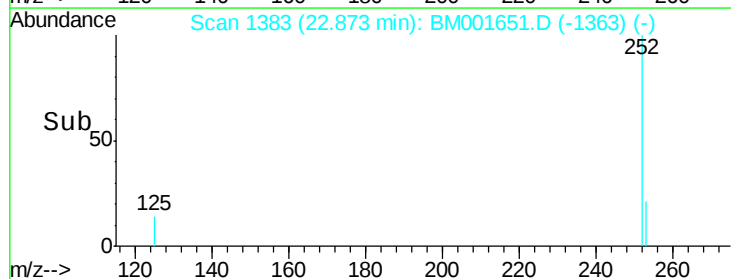
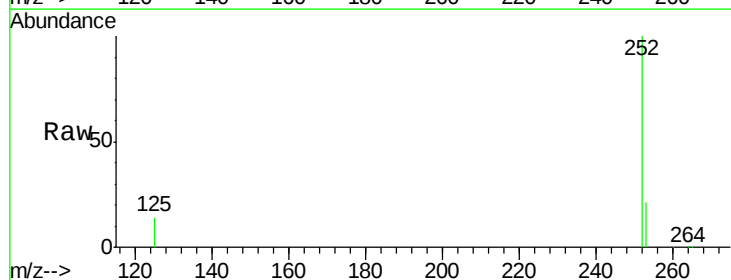
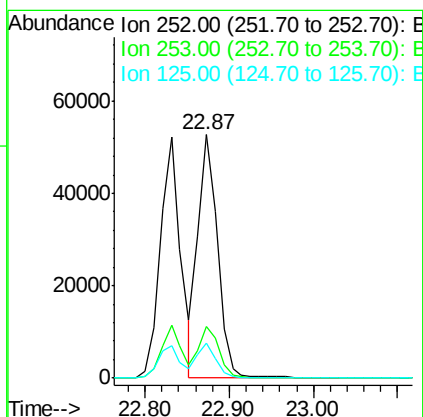
Manual Integrations
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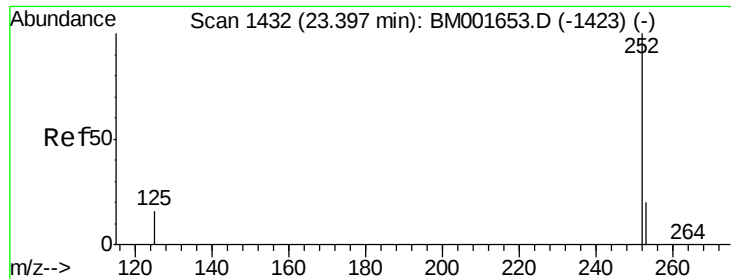
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#34
Benzo(k)fluoranthene
Concen: 5.14 ng
RT: 22.87 min Scan# 1383
Delta R.T. 0.01 min
Lab File: BM001651.D
Acq: 11 Jun 2015 20:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.0	25.6
125	14.1	12.5	18.7





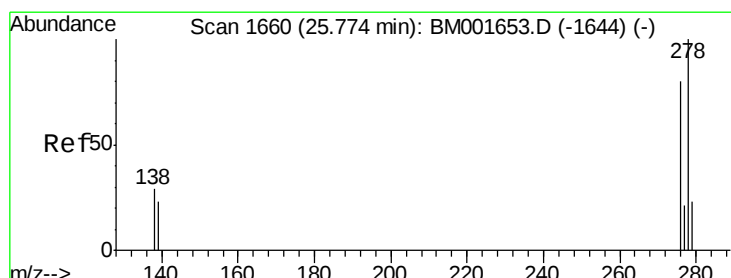
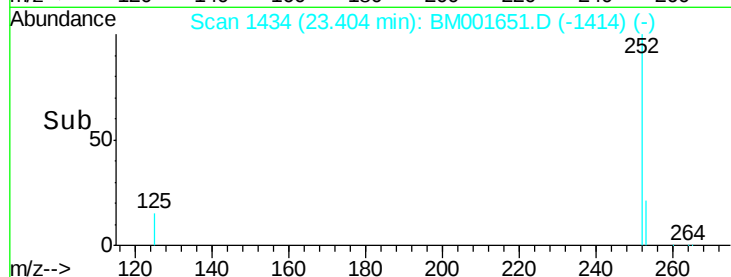
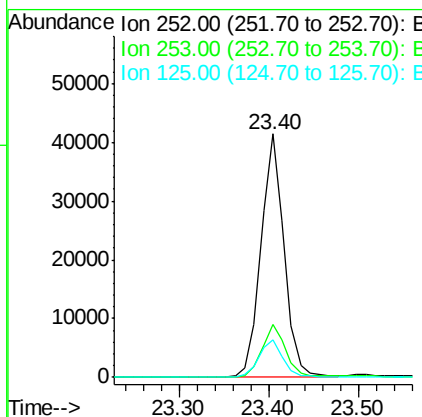
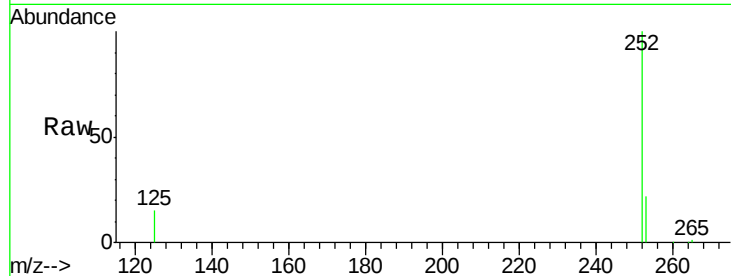
#35
Benzo(a)pyrene
Concen: 5.06 ng
RT: 23.40 min Scan# 1434
Delta R.T. 0.01 min
Lab File: BM001651.D
Acq: 11 Jun 2015 20:58

Instrument :
BNA_M
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.0
125	15.4	14.0	21.0

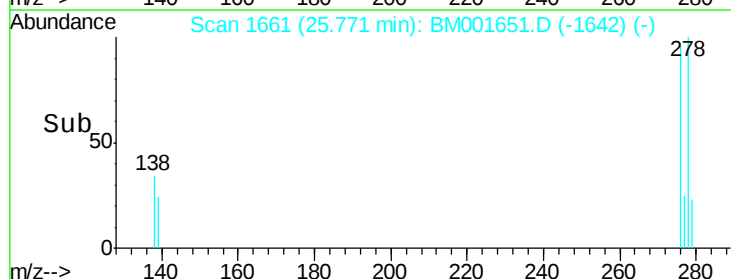
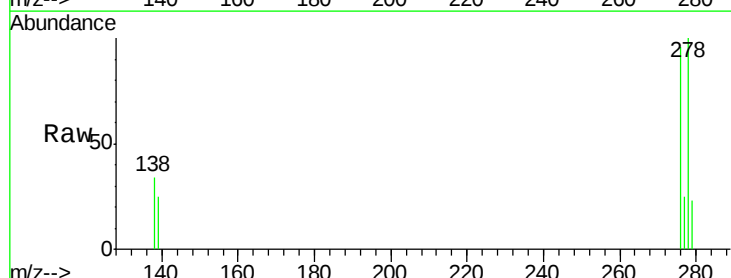
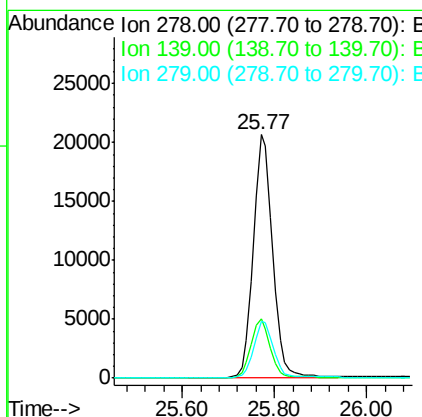
Manual Integrations
APPROVED

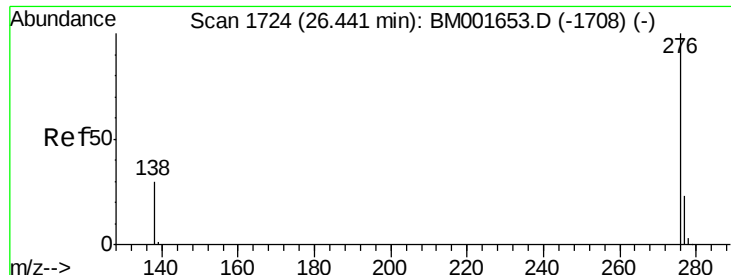
apatel
6/15/2015 12:41:12 PM



#36
Dibenzo(a,h)anthracene
Concen: 4.52 ng
RT: 25.77 min Scan# 1661
Delta R.T. -0.00 min
Lab File: BM001651.D
Acq: 11 Jun 2015 20:58

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.5	19.1	28.7
279	23.1	19.7	29.5





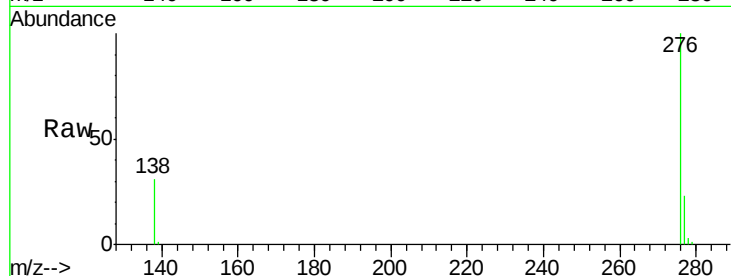
#37
 Benzo(g,h,i)perylene
 Concen: 4.32 ng
 RT: 26.45 min Scan# 1726
 Delta R.T. 0.01 min
 Lab File: BM001651.D
 Acq: 11 Jun 2015 20:58

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC005

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.3	28.9
138	30.7	25.0	37.4

Manual Integrations
 APPROVED

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 6/15/2015 12:41:12 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

