

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040715\
 Data File : BM000874.D
 Acq On : 07 Apr 2015 11:39
 Operator : TP/IZ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.2

Manual Integrations
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 4/9/2015 8:11:21 AM

Quant Time: Apr 07 16:39:36 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIM-BM040715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 07 14:10:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	22790	5.00	ng	0.00
11) Naphthalene-d8	10.39	136	116391	5.00	ng	0.00
19) Acenaphthene-d10	14.26	164	63013	5.00	ng	0.00
26) Phenanthrene-d10	17.00	188	158799	5.00	ng	0.00
30) Chrysene-d12	21.21	240	120423	5.00	ng	0.00
34) Perylene-d12	23.39	264	112769	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	1315	0.21	ng	0.00
5) Phenol-d6	6.77	99	1770	0.20	ng	0.00
12) Nitrobenzene-d5	8.77	82	1003	0.18	ng	0.00
20) 2,4,6-Tribromophenol	15.77	330	244	0.13	ng	0.02
23) 2-Fluorobiphenyl	12.87	172	3428	0.18	ng	0.00
32) Terphenyl-d14	19.65	244	2531	0.17	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.12	88	1135	0.32	ng	# 72
3) n-Nitrosodimethylamine	3.46	42	459	0.16	ng	# 18
6) 2-Chlorophenol	7.17	128	1357	0.21	ng	79
7) Phenol	6.81	94	1708	0.18	ng	78
8) bis(2-Chloroethyl)ether	7.02	93	1210m	0.18	ng	
9) 2-Methylphenol	8.06	107	1233	0.18	ng	# 86
10) 3+4-Methylphenols	8.38	107	1274	0.18	ng	# 79
13) Nitrobenzene	8.80	77	1043	0.17	ng	# 70
14) 2-Nitrophenol	9.52	139	819	0.25	ng	# 63
15) 2,4-Dimethylphenol	9.58	122	1082	0.16	ng	89
16) 2,4-Dichlorophenol	10.07	162	915	0.16	ng	85
17) Hexachlorobutadiene	10.72	225	925	0.20	ng	94
18) 4-Chloro-3-methylphenol	11.69	107	986	0.17	ng	# 84
21) 2,4,6-Trichlorophenol	12.69	196	400	0.12	ng	# 91
22) 2,4,5-Trichlorophenol	12.77	196	519m	0.13	ng	
25) 4-Nitrophenol	14.54	139	61	0.05	ng	85
27) 4,6-Dinitro-2-methylphenol	15.41	198	138	0.10	ng	# 23
28) Hexachlorobenzene	16.33	284	1121	0.13	ng	# 66
31) Benzidine	19.29	184	783	0.14	ng	# 52
33) 3,3'-Dichlorobenzidine	21.13	252	1323	0.16	ng	89

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

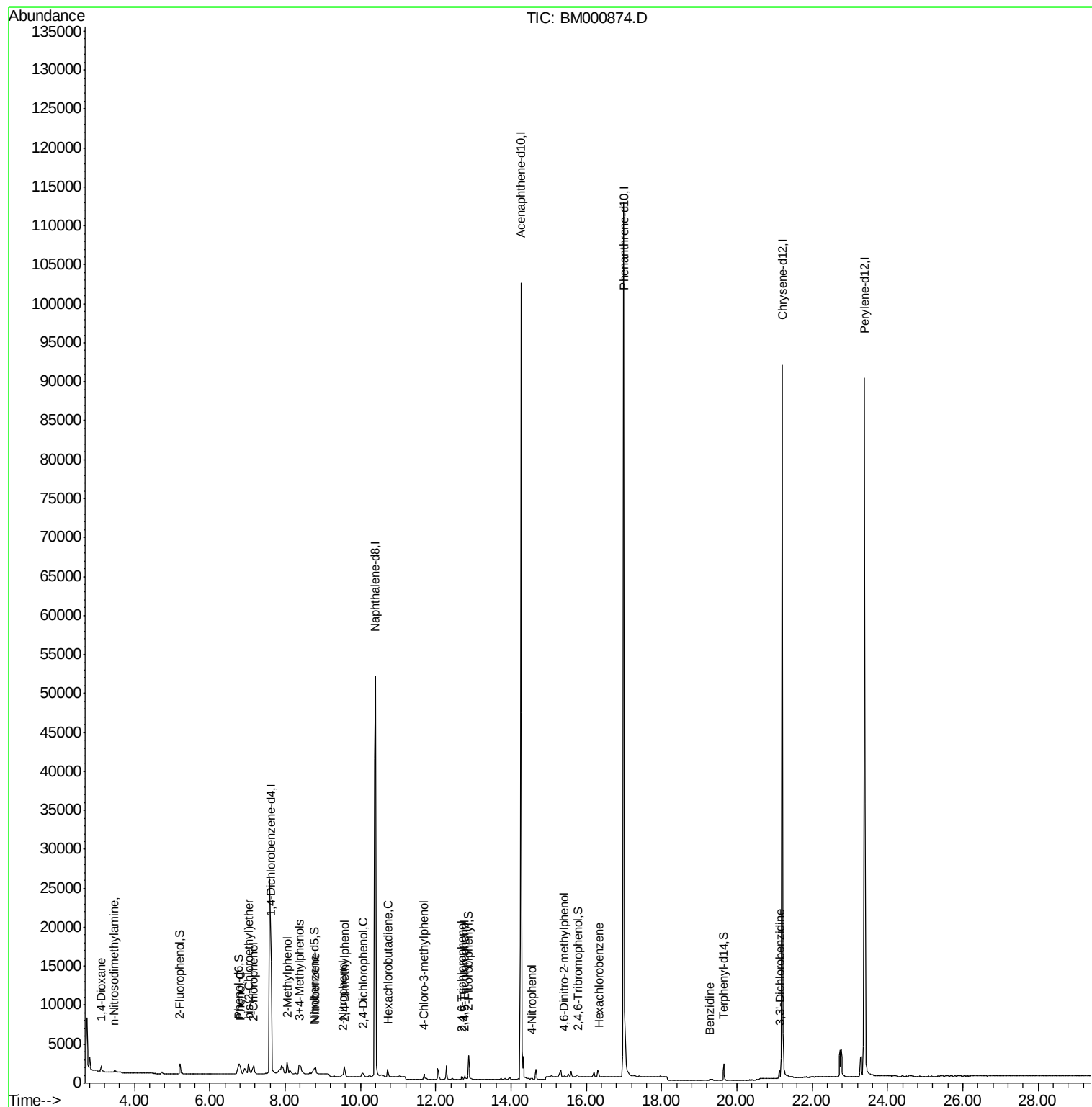
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040715\
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIM-BM040715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 07 14:10:39 2015
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#1

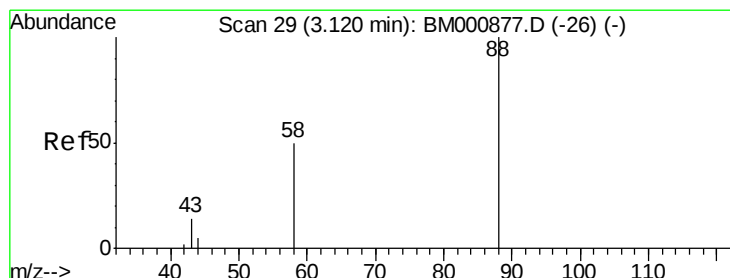
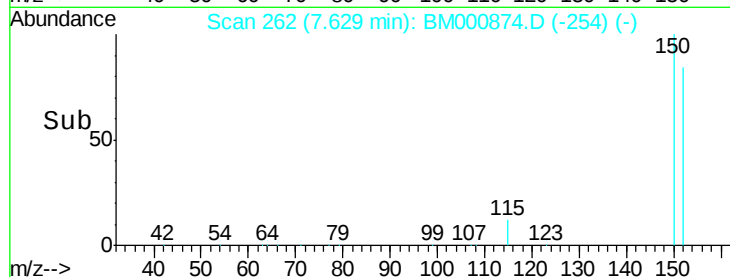
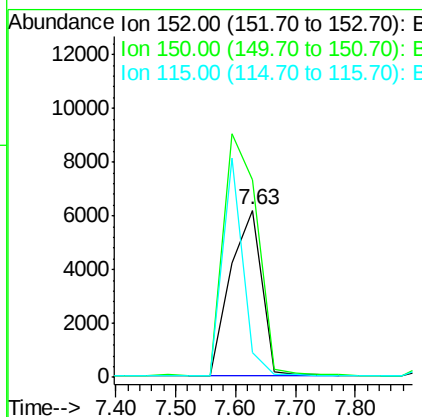
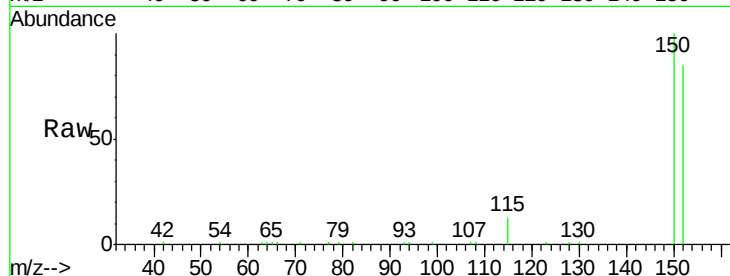
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.63 min Scan# 262
Delta R.T. 0.00 min
Lab File: BM000874.D
Acq: 07 Apr 2015 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.2

Tot Ion	Ratio	Lower	Upper
152	100		
150	118.3	96.5	144.7
115	15.1	11.9	17.9

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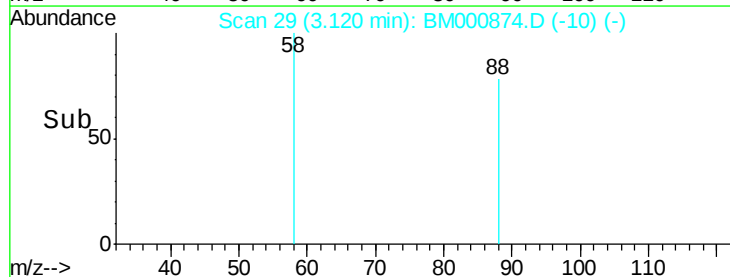
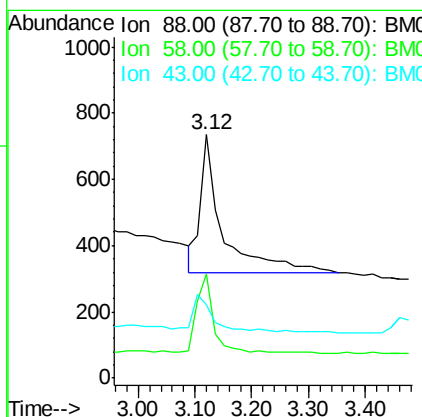
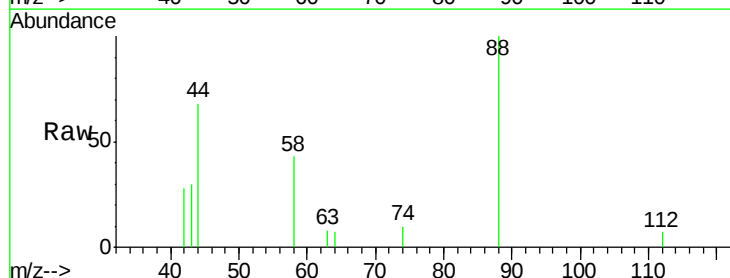
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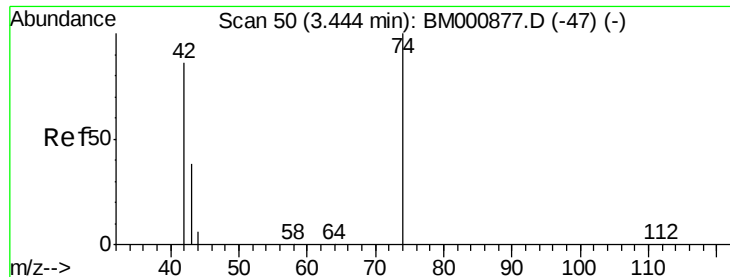


#2

1,4-Dioxane
Concen: 0.32 ng
RT: 3.12 min Scan# 29
Delta R.T. 0.00 min
Lab File: BM000874.D
Acq: 07 Apr 2015 11:39

Tgt Ion	Ratio	Lower	Upper
88	100		
58	41.7	56.7	85.1#
43	25.4	25.0	37.6





#3

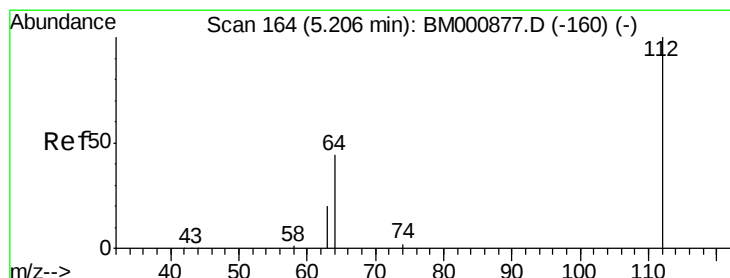
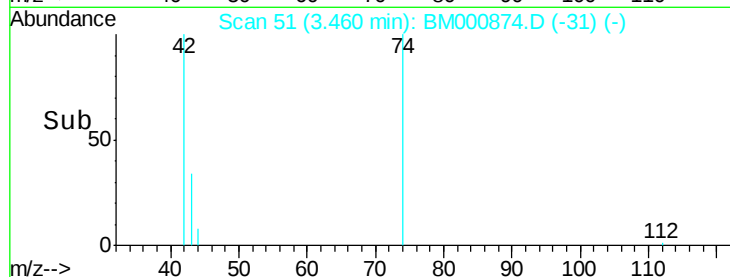
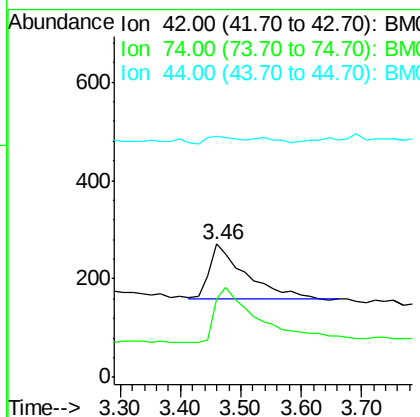
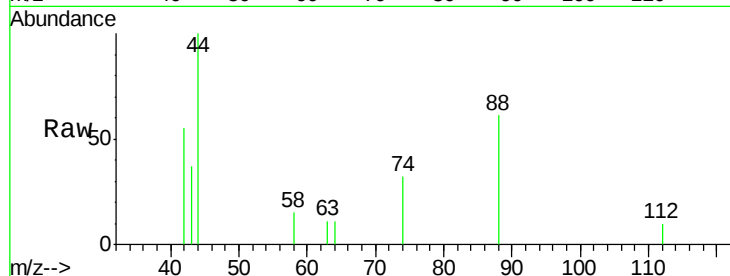
n-Nitrosodimethylamine
 Concen: 0.16 ng
 RT: 3.46 min Scan# 51
 Delta R.T. 0.02 min
 Lab File: BM000874.D
 Acq: 07 Apr 2015 11:39

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.2

Tot Ion	Ratio	Lower	Upper
42	100		
74	58.7	81.0	121.4#
44	181.2	53.3	79.9#

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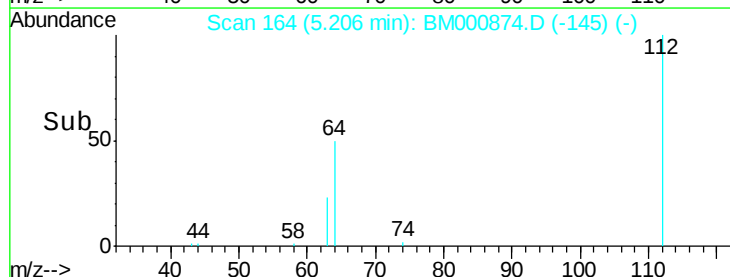
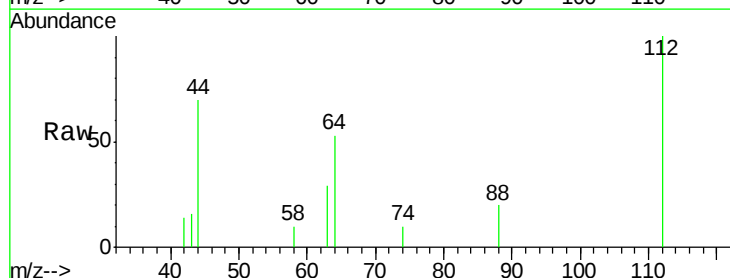
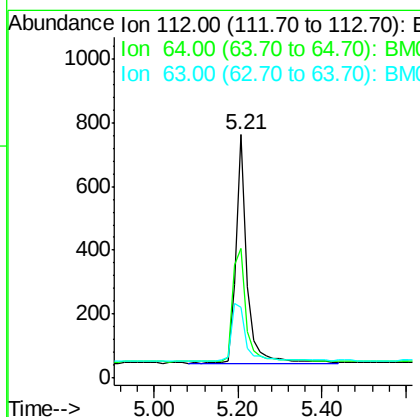
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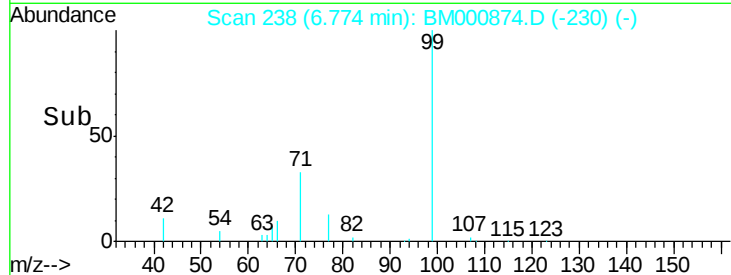
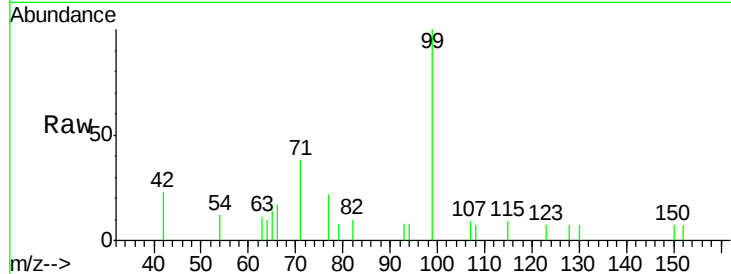
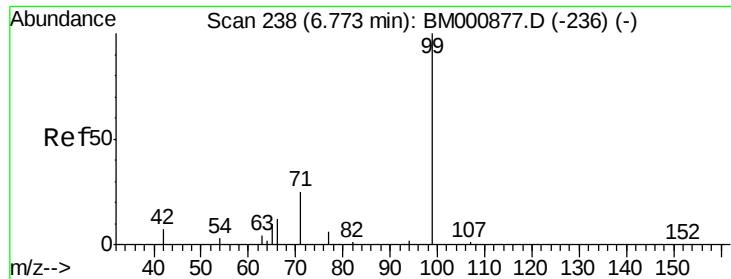


#4

2-Fluorophenol
 Concen: 0.21 ng
 RT: 5.21 min Scan# 164
 Delta R.T. 0.00 min
 Lab File: BM000874.D
 Acq: 07 Apr 2015 11:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	35.7	53.5
63	29.0	17.0	25.4#





#5

Phenol-d6

Concen: 0.20 ng

RT: 6.77 min Scan# 238

Delta R.T. 0.00 min

Lab File: BM000874.D

Acq: 07 Apr 2015 11:39

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2

Tot Ion: 99 Resp: 1770

Ion Ratio Lower Upper

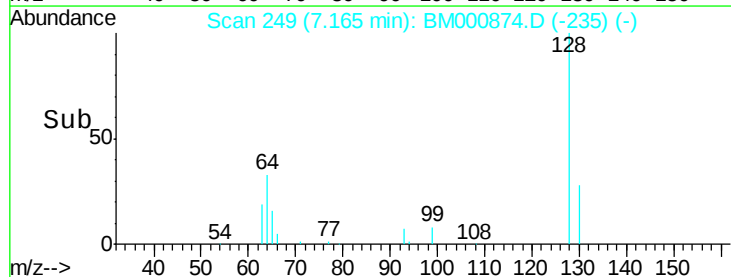
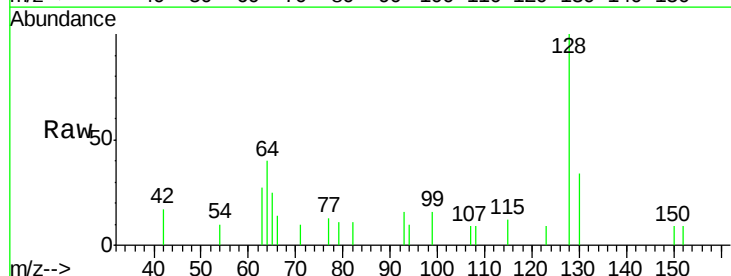
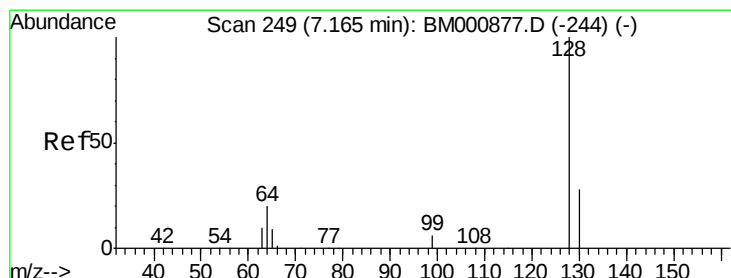
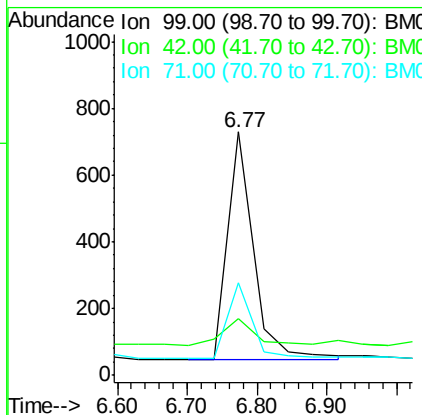
99 100

42 23.0 7.5 11.3#

71 38.3 21.3 31.9#

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#6

2-Chlorophenol

Concen: 0.21 ng

RT: 7.17 min Scan# 249

Delta R.T. 0.00 min

Lab File: BM000874.D

Acq: 07 Apr 2015 11:39

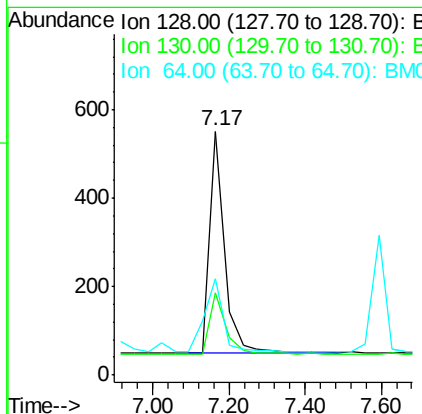
Tgt Ion: 128 Resp: 1357

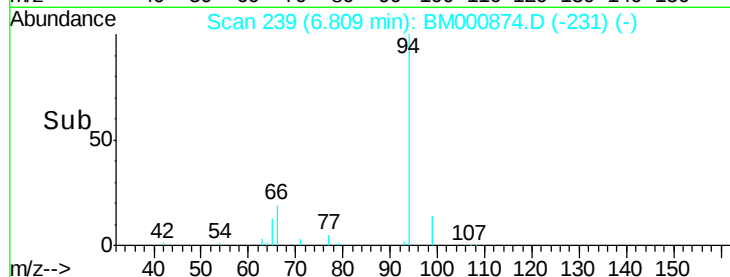
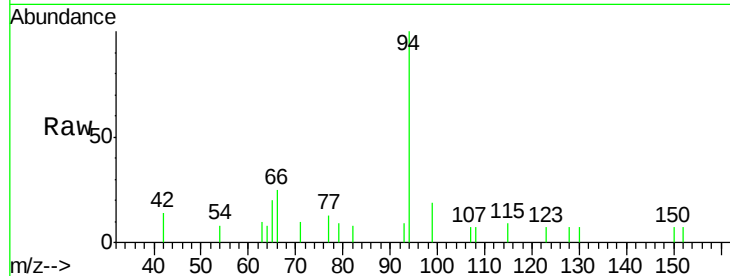
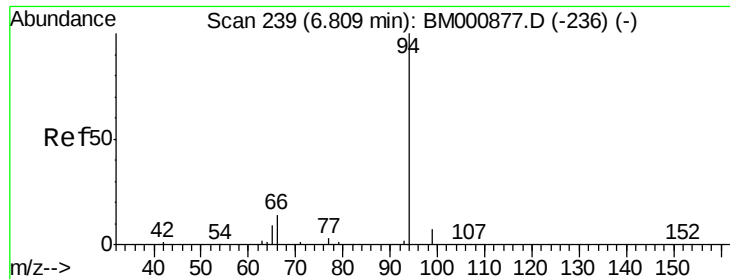
Ion Ratio Lower Upper

128 100

130 33.9 9.4 49.4

64 39.7 2.1 42.1





#7

Phenol

Concen: 0.18 ng

RT: 6.81 min Scan# 239

Delta R.T. 0.00 min

Lab File: BM000874.D

Acq: 07 Apr 2015 11:39

Tot Ion:	94	Resp:	1708
Ion	Ratio	Lower	Upper
94	100		
65	19.6	0.0	30.9
66	24.7	0.0	35.8

Instrument :

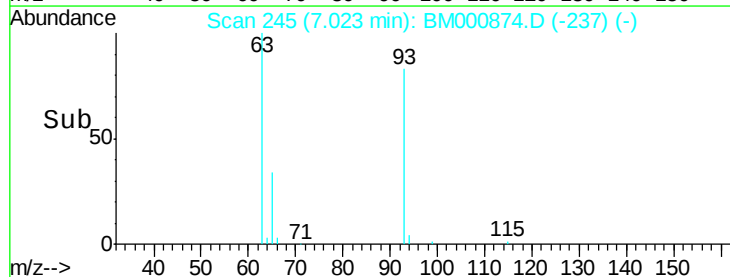
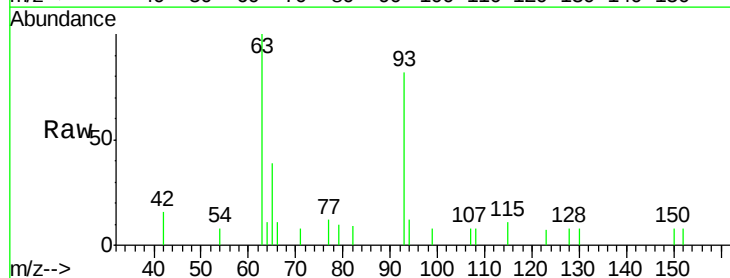
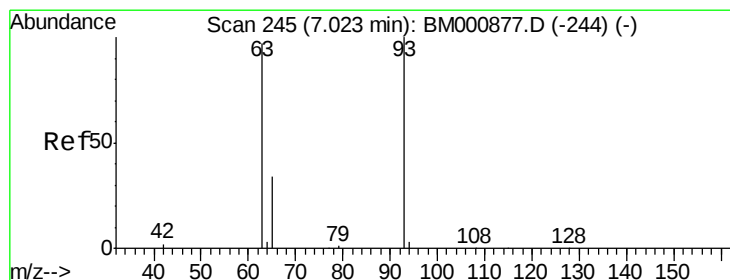
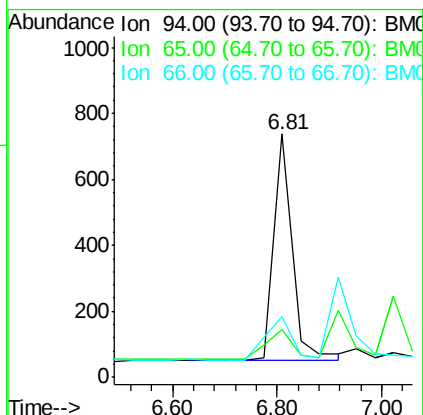
BNA_M

ClientSampleId :

SSTDIC0.2

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#8

bis(2-Chloroethyl)ether

Concen: 0.18 ng m

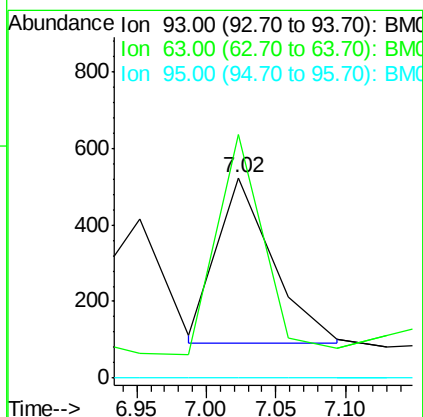
RT: 7.02 min Scan# 245

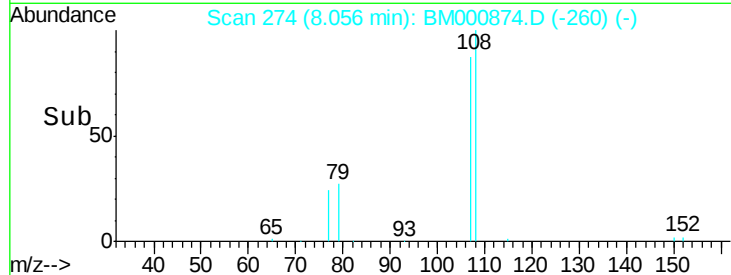
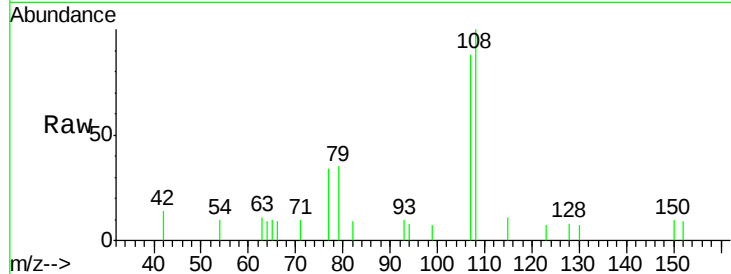
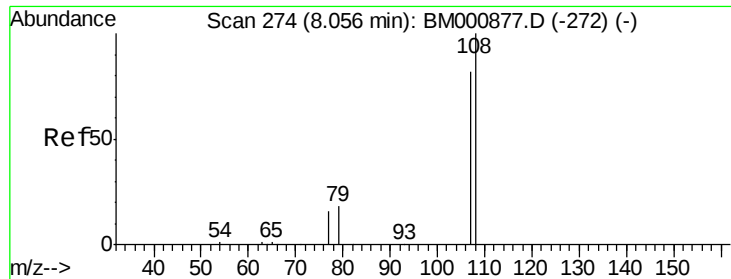
Delta R.T. 0.00 min

Lab File: BM000874.D

Acq: 07 Apr 2015 11:39

Tgt Ion:	93	Resp:	1210
Ion	Ratio	Lower	Upper
93	100		
63	121.4	73.3	113.3#
95	0.0	0.0	20.0





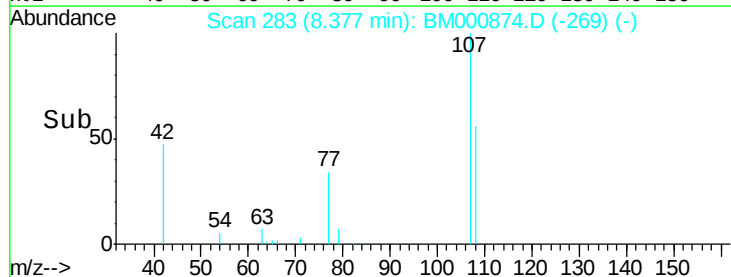
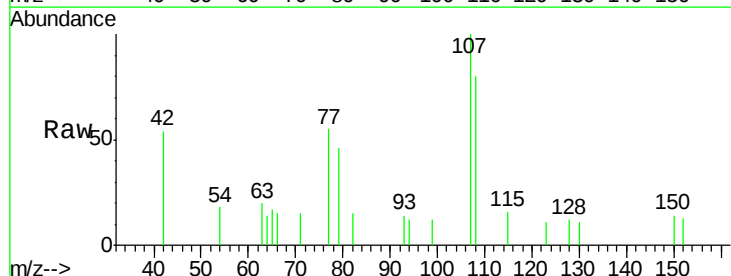
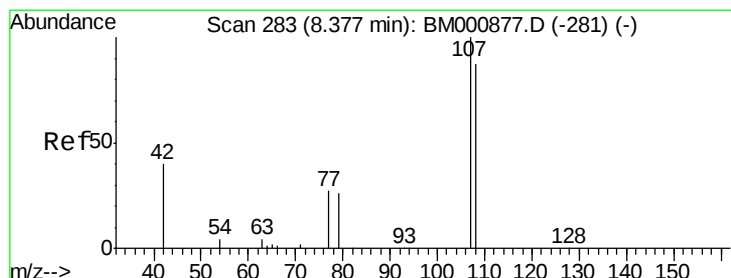
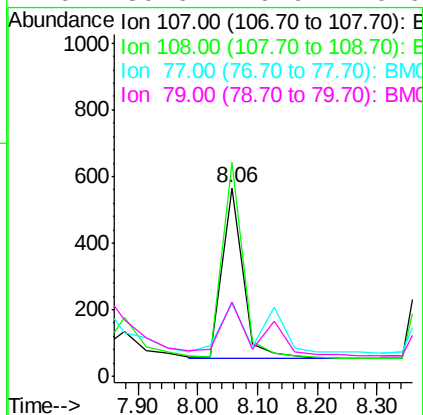
#9
2-Methylphenol
Concen: 0.18 ng
RT: 8.06 min Scan# 274
Delta R.T. 0.00 min
Lab File: BM000874.D
Acq: 07 Apr 2015 11:39

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.3	96.7	145.1	
77	38.5	18.3	27.5	
79	39.6	19.9	29.9	

Instrument :
BNA_M
ClientSampled :
SSTDICC0.2

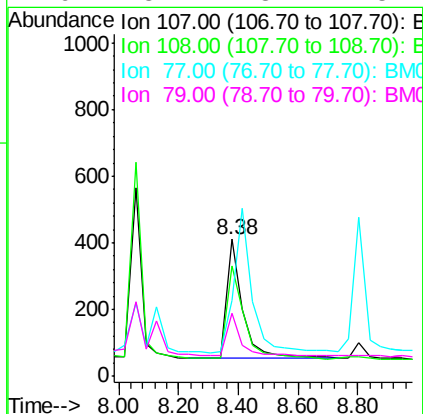
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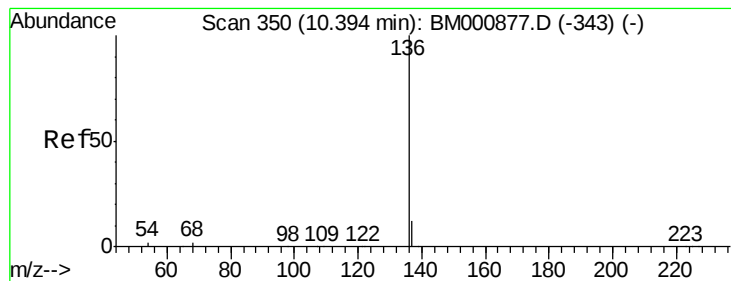
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#10
3+4-Methylphenols
Concen: 0.18 ng
RT: 8.38 min Scan# 283
Delta R.T. 0.00 min
Lab File: BM000874.D
Acq: 07 Apr 2015 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
108	80.3	67.6	107.6	
77	55.0	10.0	50.0	
79	45.7	8.4	48.4	





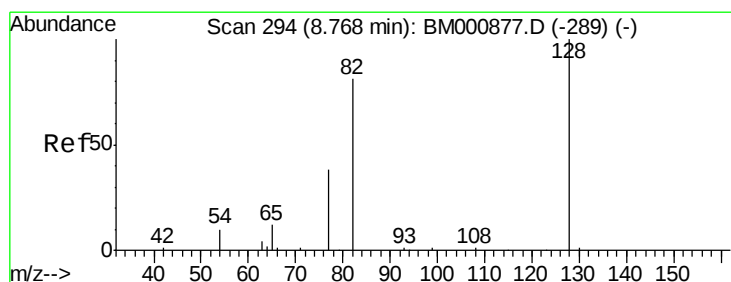
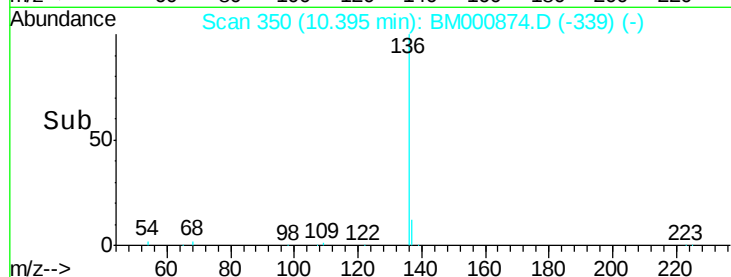
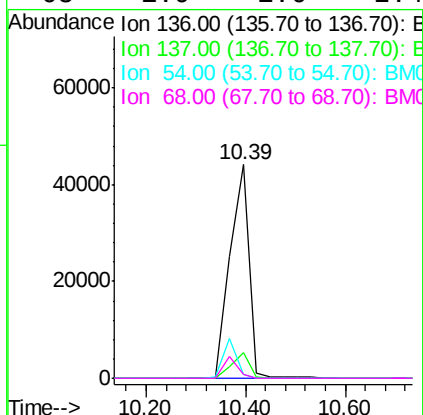
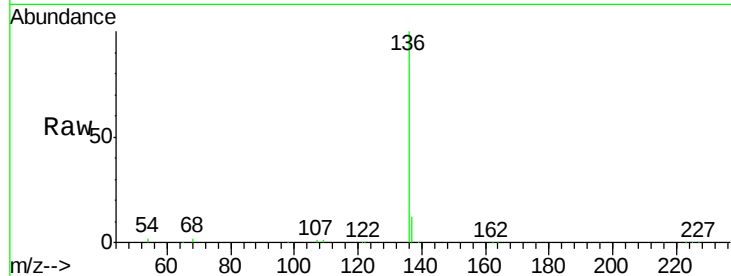
#11
Naphthalene-d8
Concen: 5.00 ng
RT: 10.39 min Scan# 350
Delta R.T. 0.00 min
Lab File: BM000874.D
Acq: 07 Apr 2015 11:39

Instrument :
BNA_M
ClientSampled :
SSTDIC0.2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		116391		
137	12.0		9.6	14.4	
54	1.9		1.5	2.3	
68	1.9		1.6	2.4	

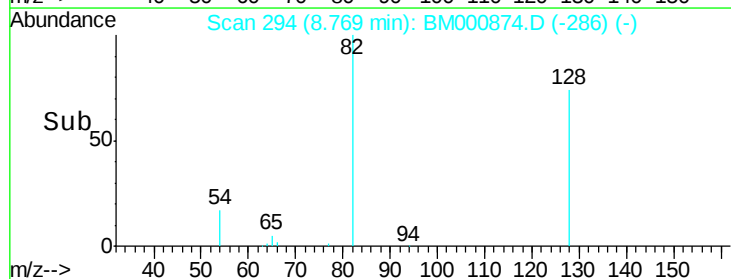
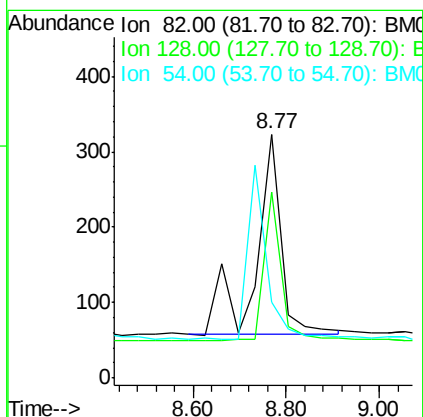
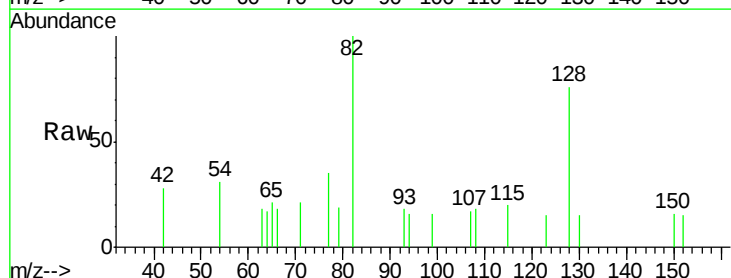
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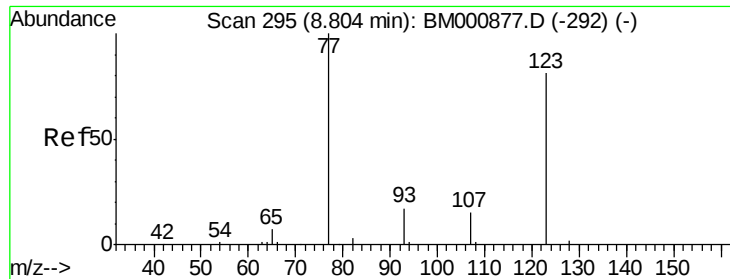
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#12
Nitrobenzene-d5
Concen: 0.18 ng
RT: 8.77 min Scan# 294
Delta R.T. 0.00 min
Lab File: BM000874.D
Acq: 07 Apr 2015 11:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		1003		
128	76.5		96.2	144.2#	
54	31.3		15.0	22.6#	





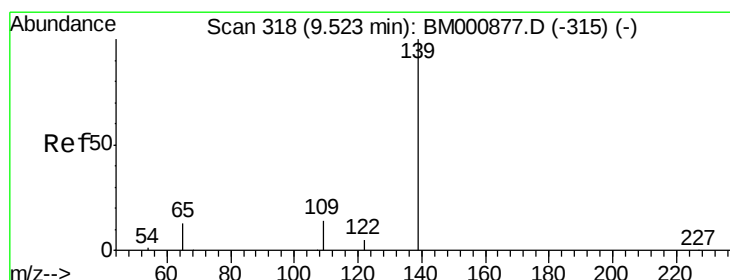
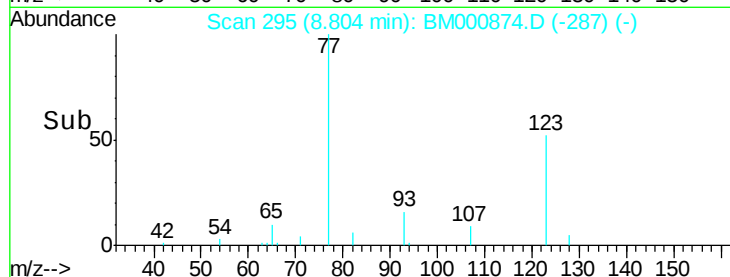
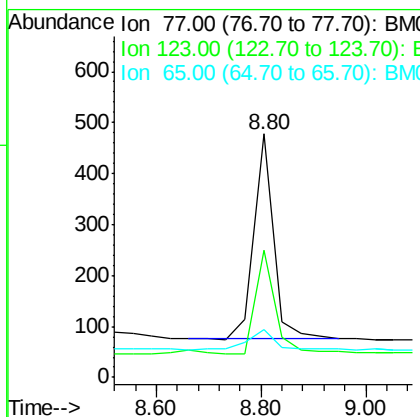
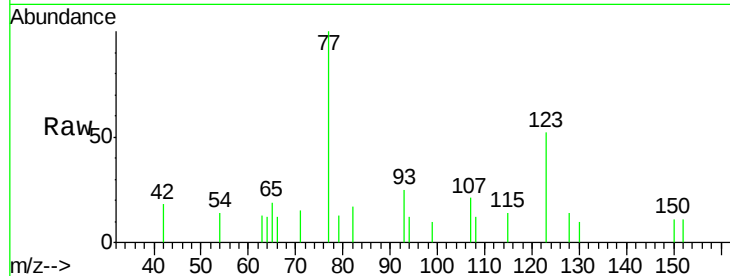
#13
Nitrobenzene
Concen: 0.17 ng
RT: 8.80 min Scan# 295
Delta R.T. 0.00 min
Lab File: BM000874.D
Acq: 07 Apr 2015 11:39

Instrument :
BNA_M
ClientSampled :
SSTDIC0.2

Tot Ion	Ratio	Lower	Upper
77	100		
123	52.3	64.0	96.0#
65	19.5	8.7	13.1#

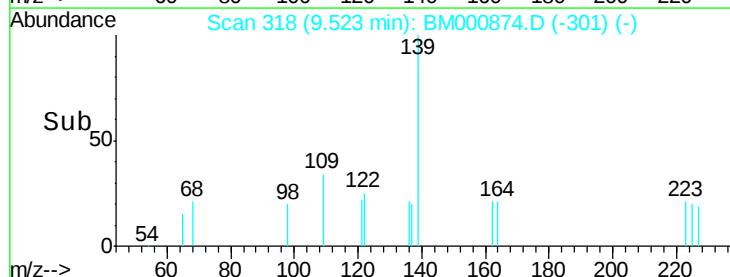
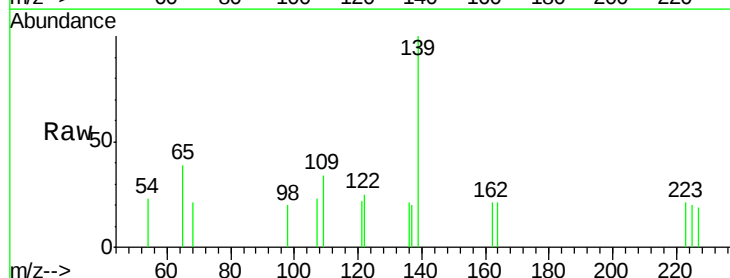
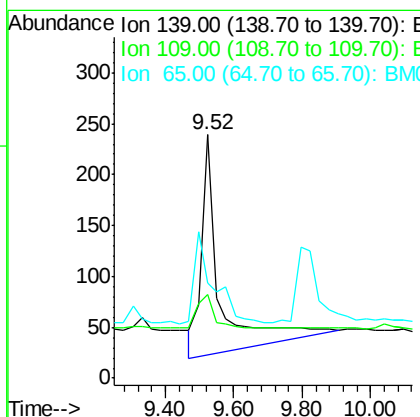
Manual Integrations
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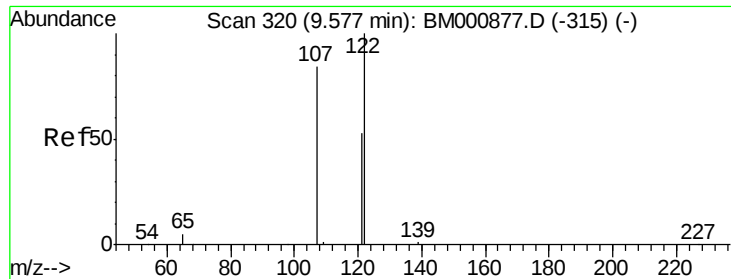
apatel
4/9/2015 8:11:21 AM



#14
2-Nitrophenol
Concen: 0.25 ng
RT: 9.52 min Scan# 318
Delta R.T. 0.00 min
Lab File: BM000874.D
Acq: 07 Apr 2015 11:39

Tgt Ion	Ratio	Lower	Upper
139	100		
109	34.3	15.8	23.8#
65	39.3	16.2	24.2#





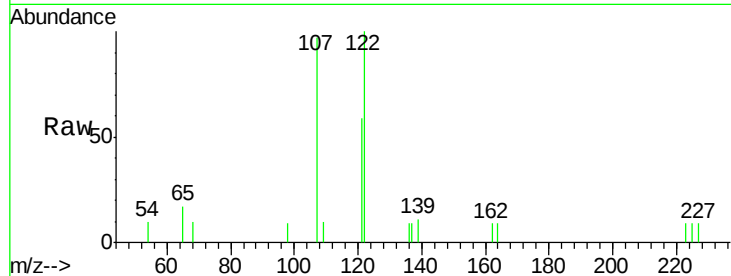
#15
2,4-Dimethylphenol
Concen: 0.16 ng
RT: 9.58 min Scan# 320
Delta R.T. 0.00 min
Lab File: BM000874.D
Acq: 07 Apr 2015 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.2

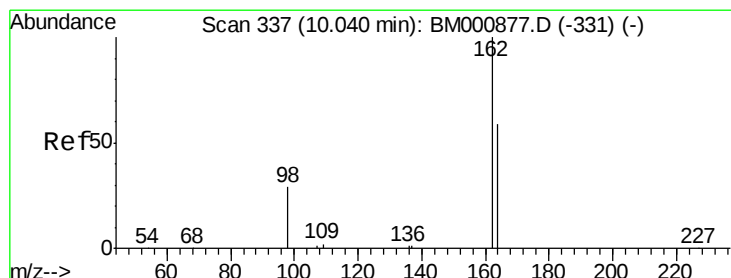
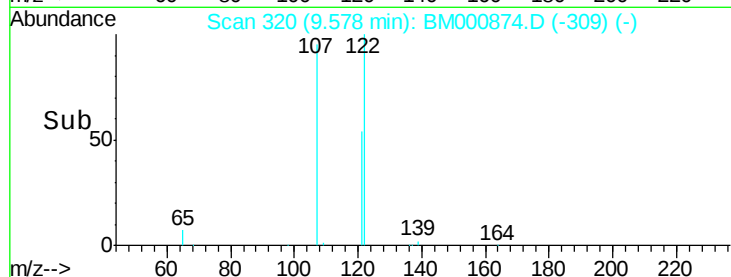
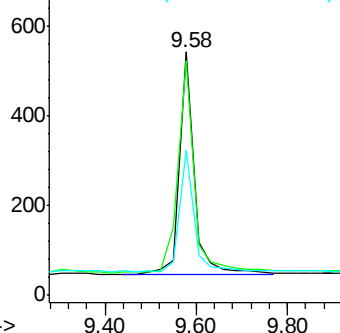
Tot Ion	Ratio	Lower	Upper
122	100		
107	96.7	67.4	101.2
121	59.4	43.5	65.3

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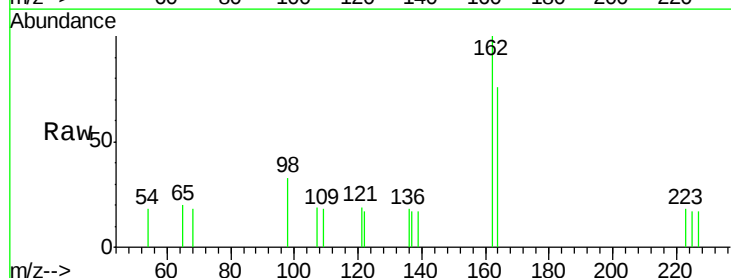


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

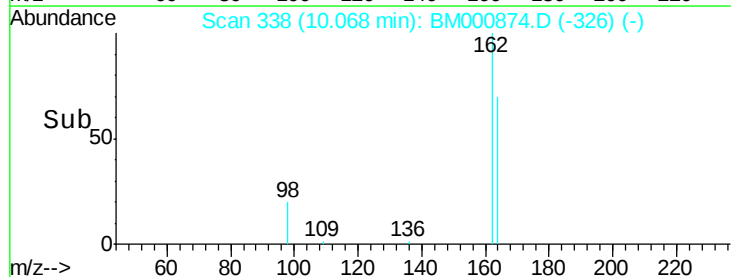
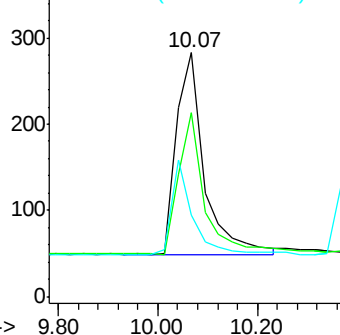


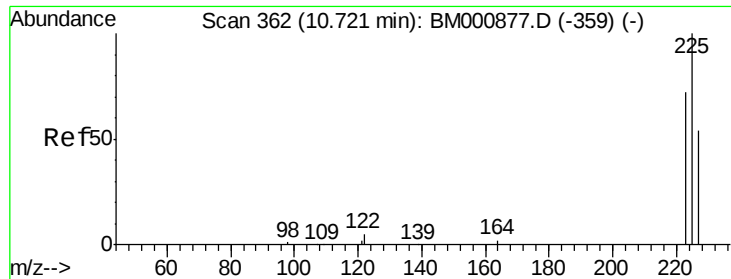
#16
2,4-Dichlorophenol
Concen: 0.16 ng
RT: 10.07 min Scan# 338
Delta R.T. 0.03 min
Lab File: BM000874.D
Acq: 07 Apr 2015 11:39

Tgt Ion	Ratio	Lower	Upper
162	100		
164	75.6	39.9	79.9
98	33.2	11.3	51.3



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BM0





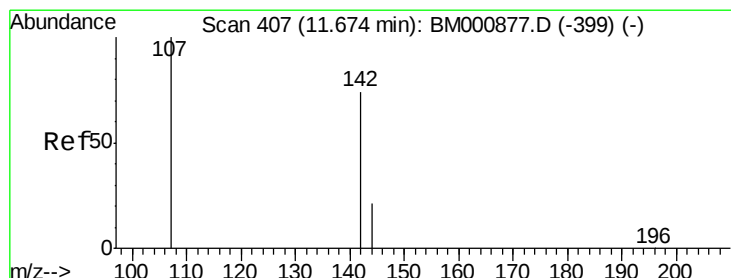
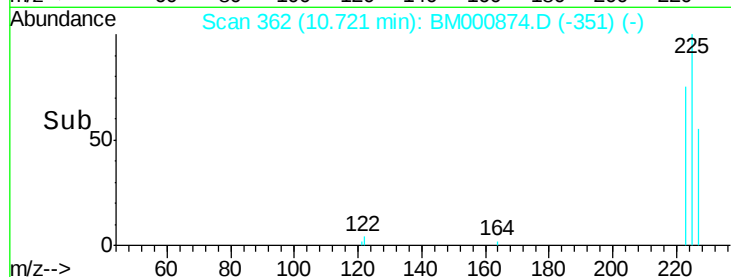
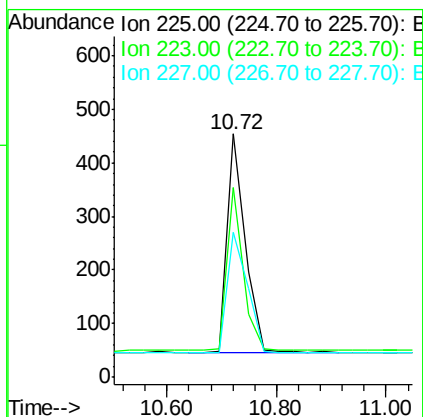
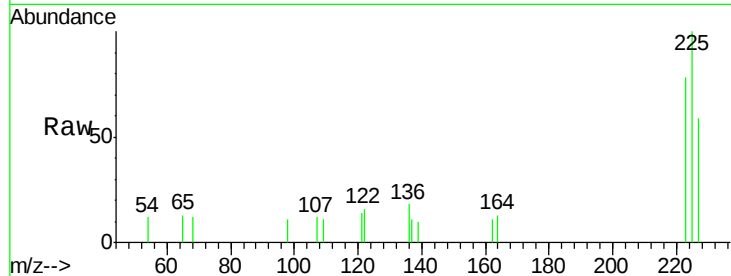
#17
Hexachlorobutadiene
Concen: 0.20 ng
RT: 10.72 min Scan# 362
Delta R.T. 0.00 min
Lab File: BM000874.D
Acq: 07 Apr 2015 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.2

Tot Ion	Ratio	Lower	Upper
225	100		
223	78.2	58.3	87.5
227	59.5	44.5	66.7

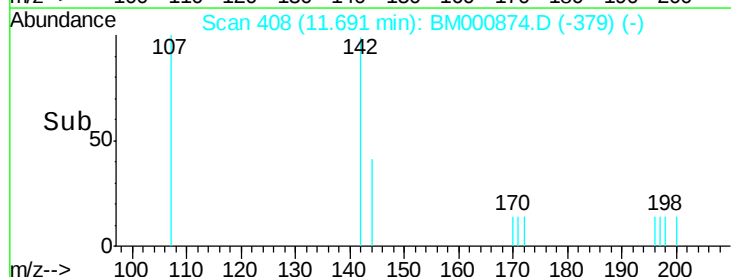
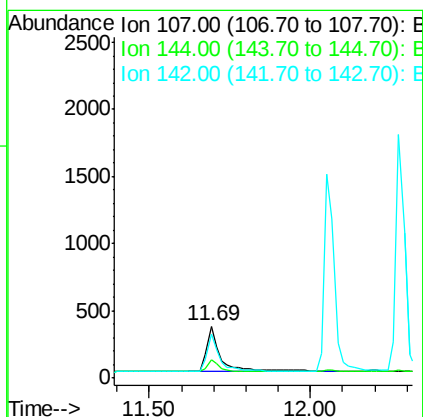
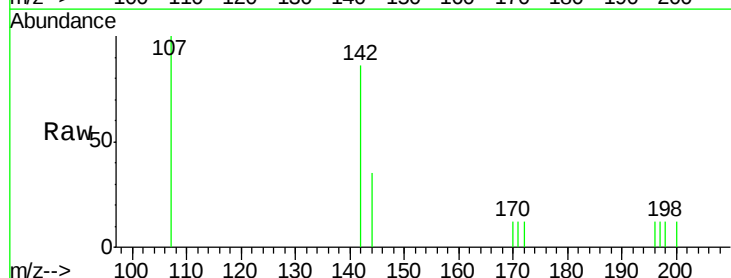
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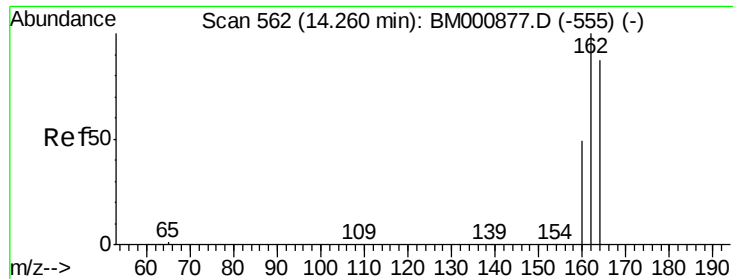
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#18
4-Chloro-3-methylphenol
Concen: 0.17 ng
RT: 11.69 min Scan# 408
Delta R.T. 0.02 min
Lab File: BM000874.D
Acq: 07 Apr 2015 11:39

Tgt Ion	Ratio	Lower	Upper
107	100		
144	35.4	18.4	27.6#
142	85.8	59.9	89.9





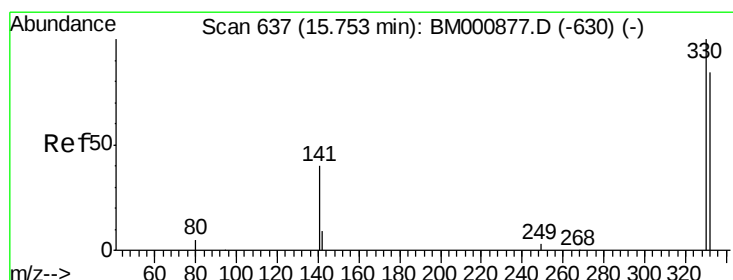
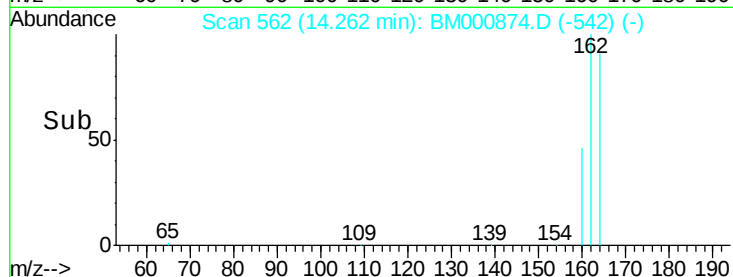
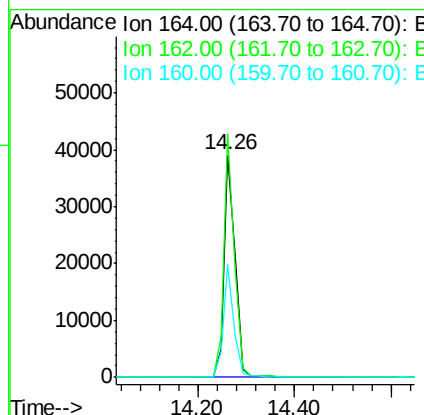
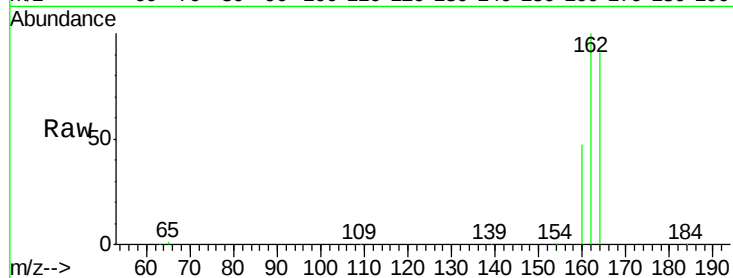
#19
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.26 min Scan# 562
Delta R.T. 0.00 min
Lab File: BM000874.D
Acq: 07 Apr 2015 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.2

Tot Ion	Ratio	Lower	Upper
164	100		
162	109.5	91.8	137.6
160	51.0	44.6	67.0

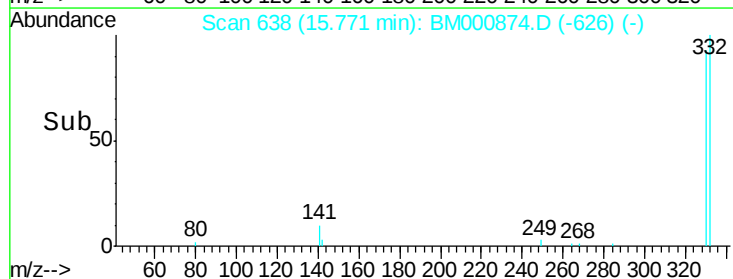
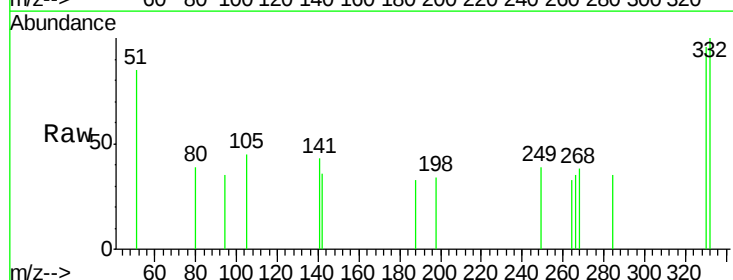
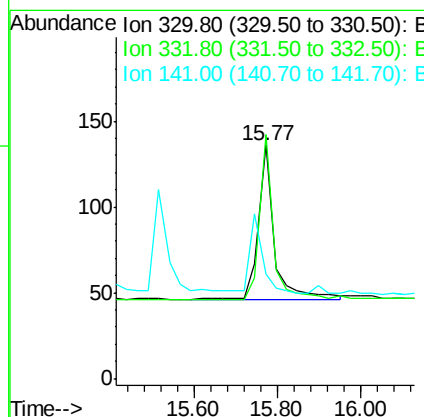
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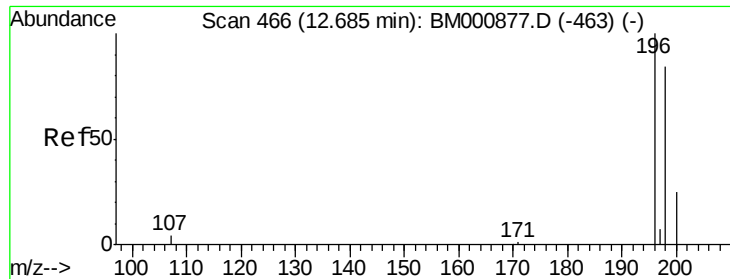
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#20
2,4,6-Tribromophenol
Concen: 0.13 ng
RT: 15.77 min Scan# 638
Delta R.T. 0.02 min
Lab File: BM000874.D
Acq: 07 Apr 2015 11:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	89.3	72.6	109.0
141	0.0	29.8	44.6#





#21

2,4,6-Trichlorophenol

Concen: 0.12 ng

RT: 12.69 min Scan# 466

Delta R.T. 0.00 min

Lab File: BM000874.D

Acq: 07 Apr 2015 11:39

Instrument :

BNA_M

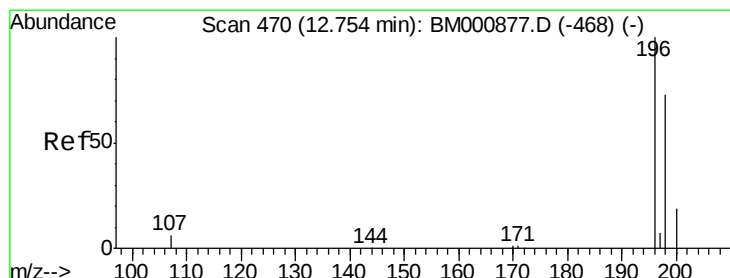
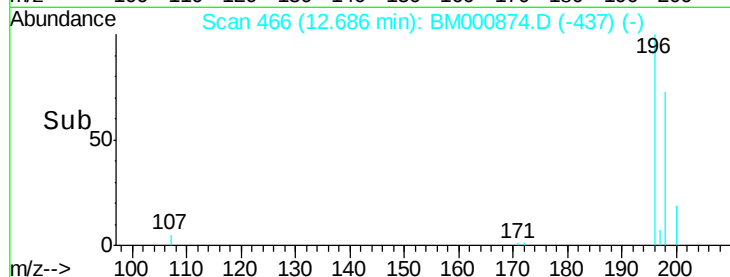
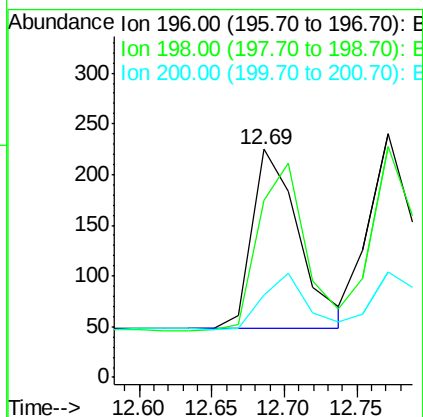
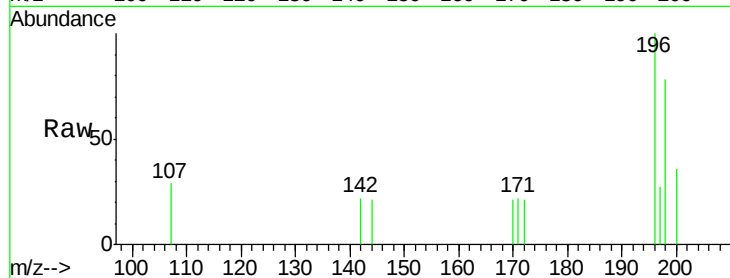
ClientSampleId :

SSTDICC0.2

Tot Ion:	196	Resp:	400
Ion	Ratio	Lower	Upper
196	100		
198	77.8	67.5	101.3
200	36.0	22.1	33.1#

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#22

2,4,5-Trichlorophenol

Concen: 0.13 ng m

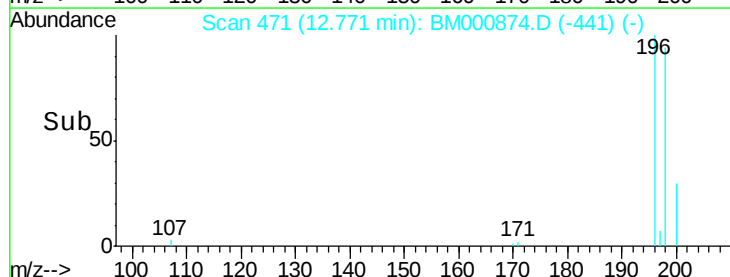
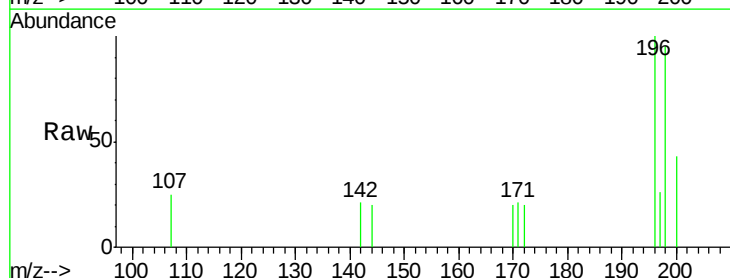
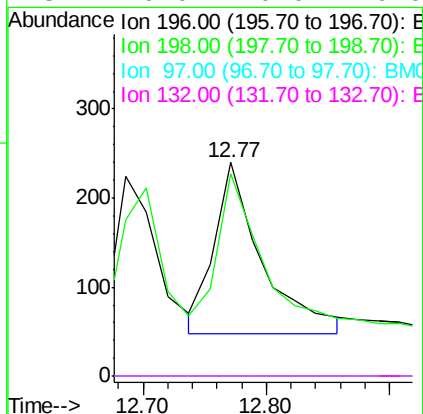
RT: 12.77 min Scan# 471

Delta R.T. 0.02 min

Lab File: BM000874.D

Acq: 07 Apr 2015 11:39

Tgt Ion:	196	Resp:	519
Ion	Ratio	Lower	Upper
196	100		
198	95.0	62.7	94.1#
97	0.0	0.0	0.0
132	0.0	0.0	0.0





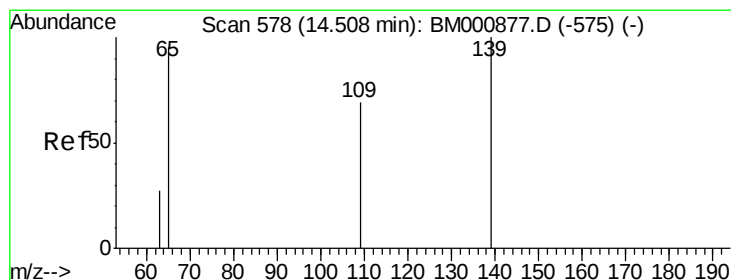
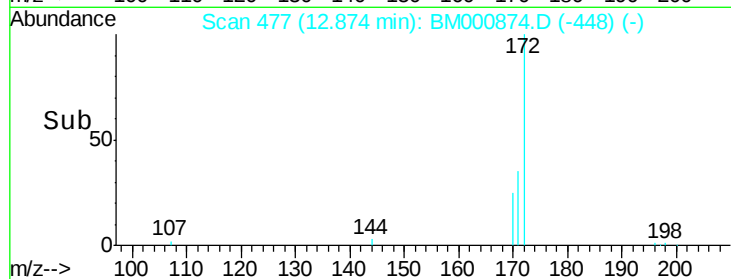
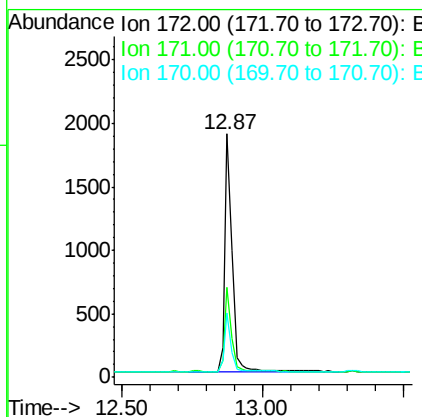
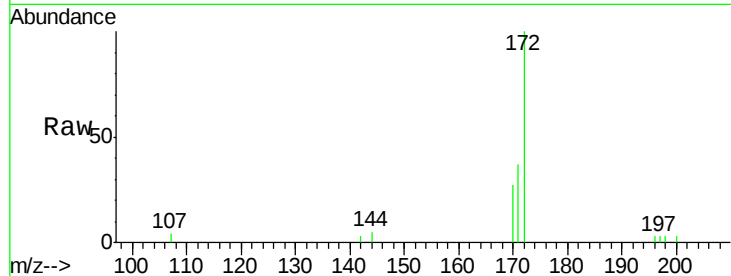
#23
2-Fluorobiphenyl
Concen: 0.18 ng
RT: 12.87 min Scan# 477
Delta R.T. 0.00 min
Lab File: BM000874.D
Acq: 07 Apr 2015 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.2

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.1	27.8	41.8
170	26.6	19.0	28.6

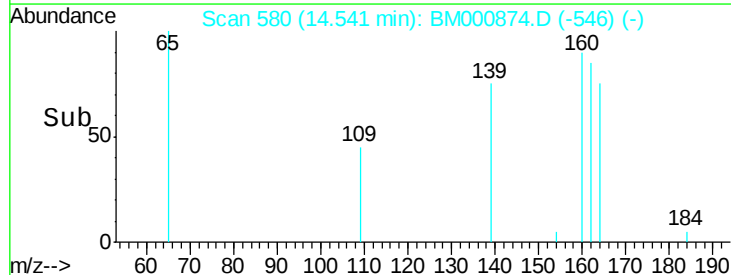
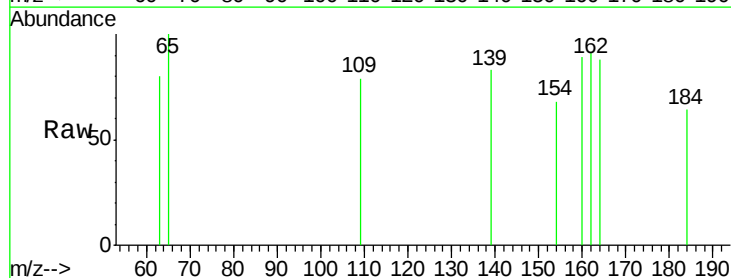
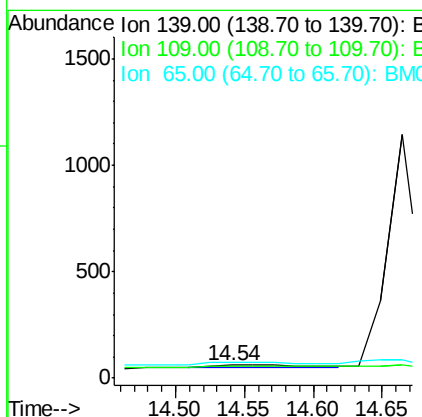
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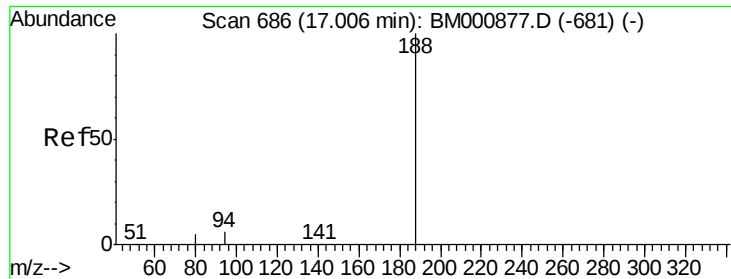
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#25
4-Nitrophenol
Concen: 0.05 ng
RT: 14.54 min Scan# 580
Delta R.T. 0.03 min
Lab File: BM000874.D
Acq: 07 Apr 2015 11:39

Tgt Ion	Ratio	Lower	Upper
139	100		
109	95.2	58.4	98.4
65	121.0	87.7	127.7





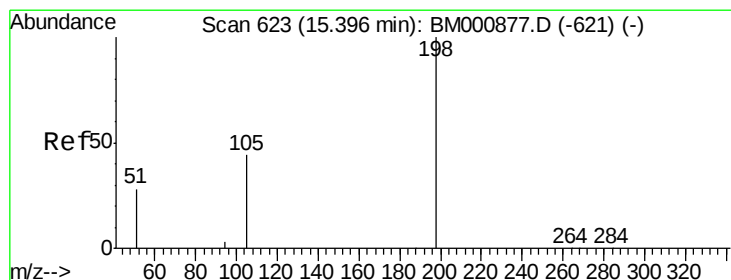
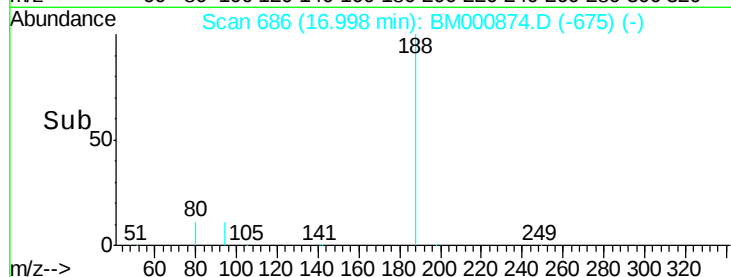
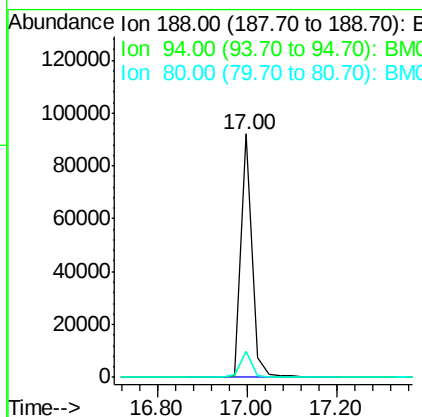
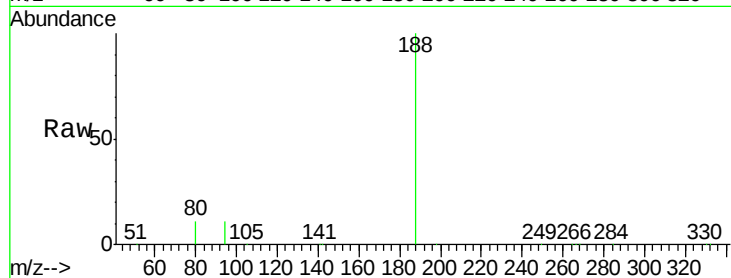
#26
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.00 min Scan# 686
Delta R.T. -0.01 min
Lab File: BM000874.D
Acq: 07 Apr 2015 11:39

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.2

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.6	4.9	7.3#	
80	10.9	4.4	6.6#	

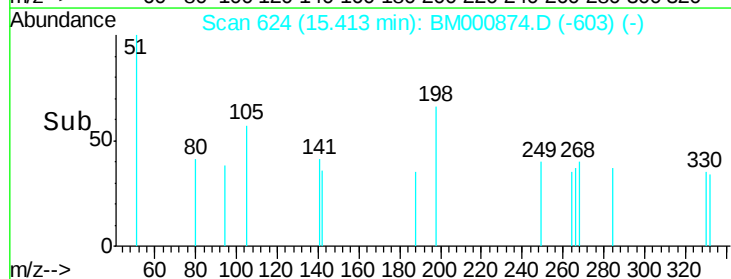
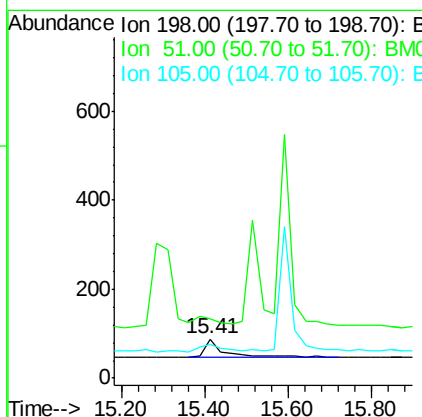
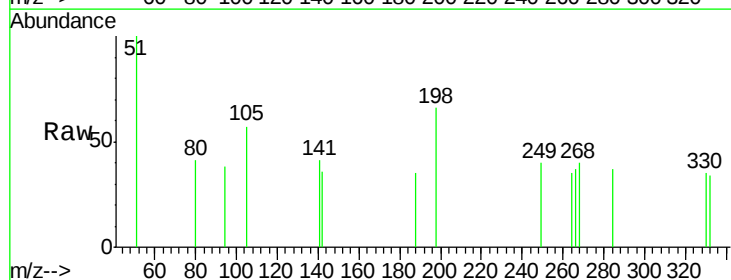
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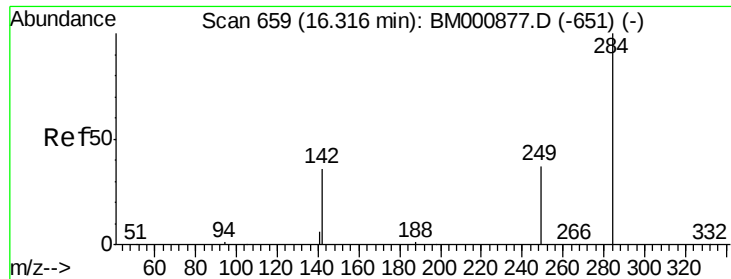
apatel
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#27
4,6-Dinitro-2-methylphenol
Concen: 0.10 ng
RT: 15.41 min Scan# 624
Delta R.T. 0.02 min
Lab File: BM000874.D
Acq: 07 Apr 2015 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
198	100			
51	150.6	44.6	84.6#	
105	85.4	36.0	76.0#	





#28

Hexachlorobenzene

Concen: 0.13 ng

RT: 16.33 min Scan# 660

Delta R.T. 0.02 min

Lab File: BM000874.D

Acq: 07 Apr 2015 11:39

Instrument :

BNA_M

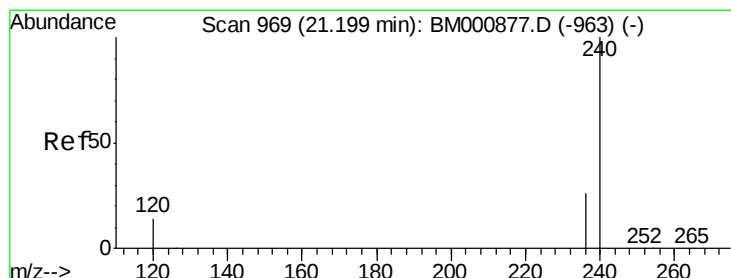
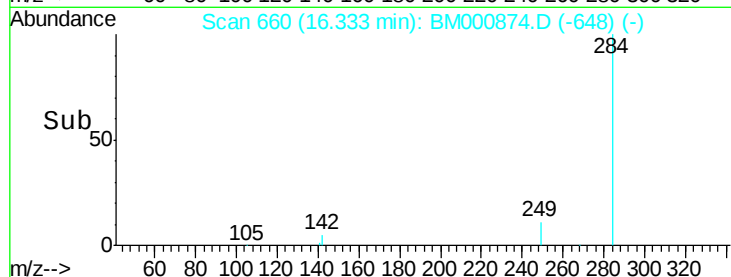
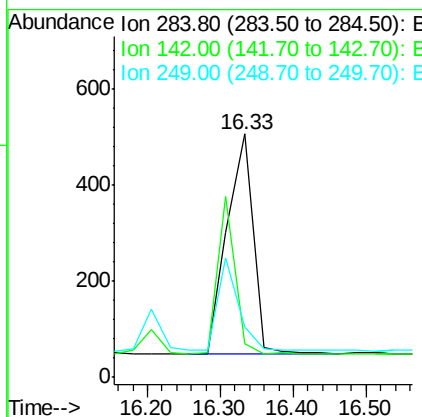
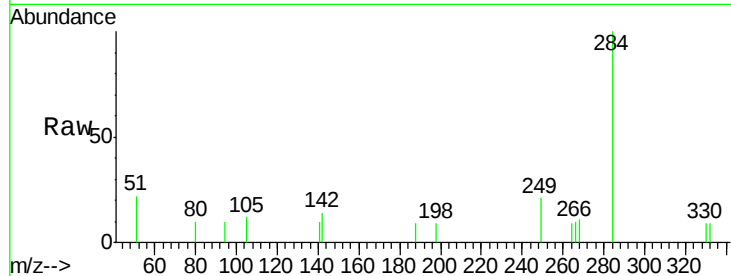
ClientSampleId :

SSTDIC0.2

Tot Ion:	284	Resp:	1121
Ion Ratio	Lower	Upper	
284	100		
142	13.8	29.8	44.8#
249	20.9	31.0	46.4#

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#30

Chrysene-d12

Concen: 5.00 ng

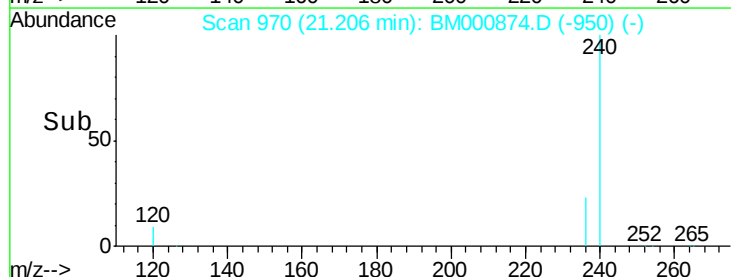
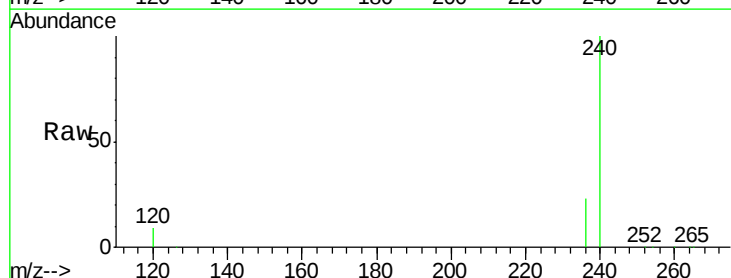
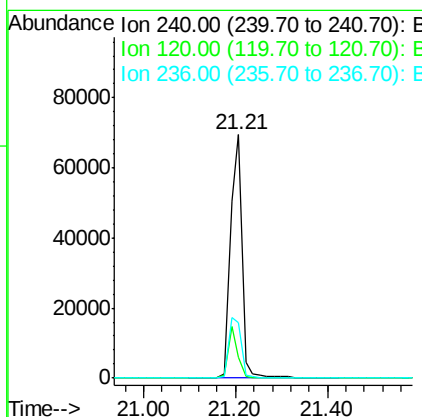
RT: 21.21 min Scan# 970

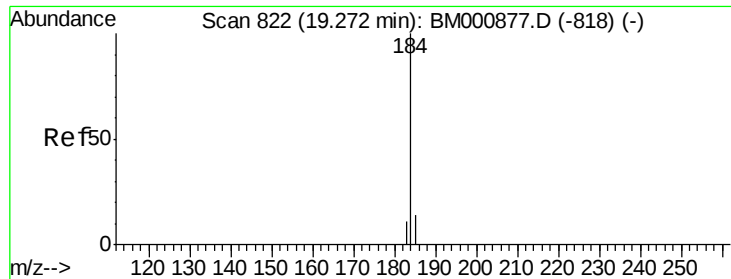
Delta R.T. 0.01 min

Lab File: BM000874.D

Acq: 07 Apr 2015 11:39

Tgt Ion:	240	Resp:	120423
Ion Ratio	Lower	Upper	
240	100		
120	8.8	11.1	16.7#
236	23.0	20.9	31.3





#31

Benzidine

Concen: 0.14 ng

RT: 19.29 min Scan# 824

Delta R.T. 0.02 min

Lab File: BM000874.D

Acq: 07 Apr 2015 11:39

Instrument :

BNA_M

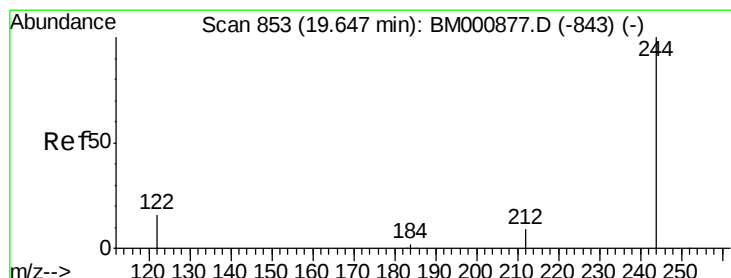
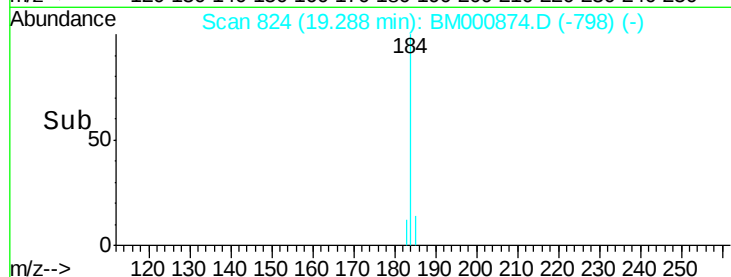
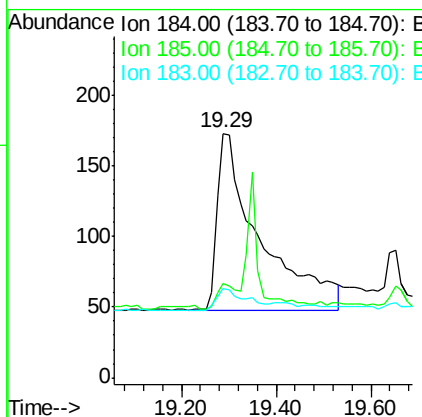
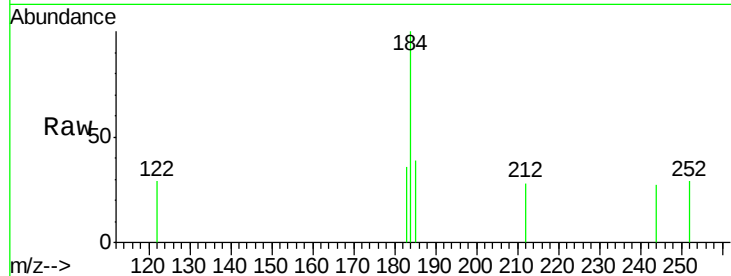
ClientSampleId :

SSTDICC0.2

Tot Ion:	184	Resp:	783
Ion Ratio	Lower	Upper	
184	100		
185	38.7	14.4	21.6#
183	36.4	12.6	19.0#

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#32

Terphenyl-d14

Concen: 0.17 ng

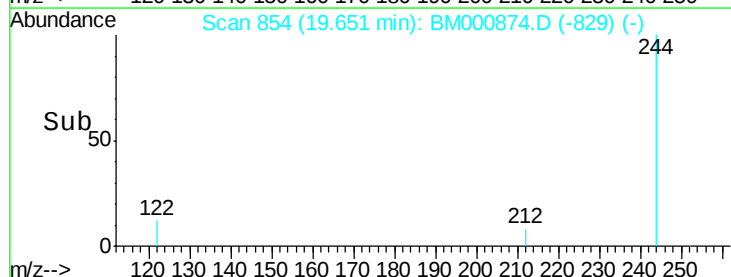
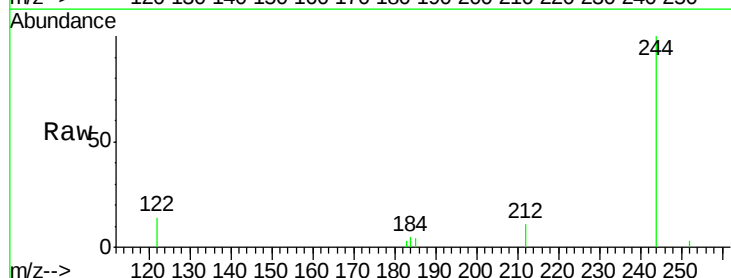
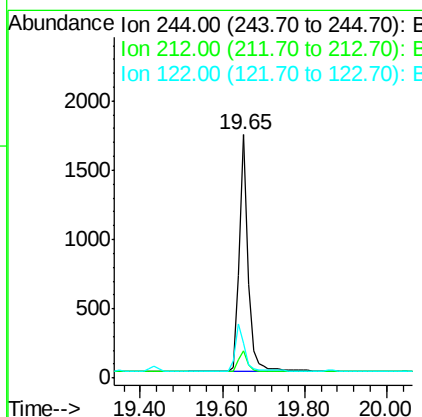
RT: 19.65 min Scan# 854

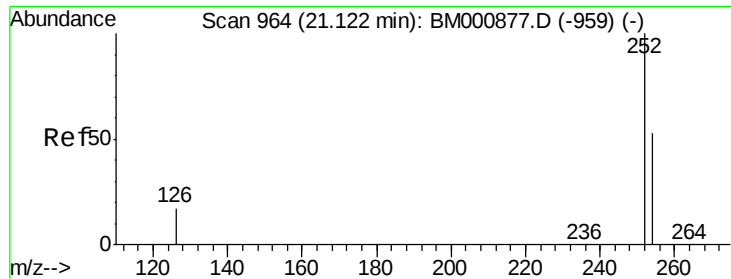
Delta R.T. 0.00 min

Lab File: BM000874.D

Acq: 07 Apr 2015 11:39

Tgt Ion:	244	Resp:	2531
Ion Ratio	Lower	Upper	
244	100		
212	11.0	8.1	12.1
122	14.3	13.6	20.4





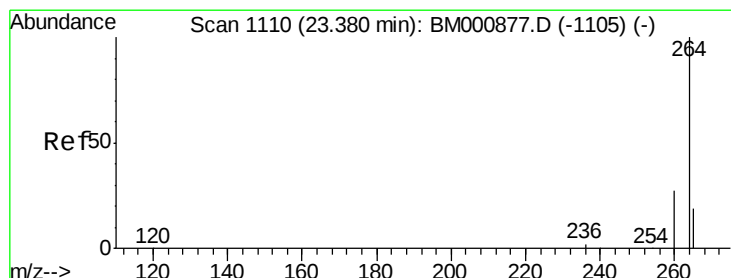
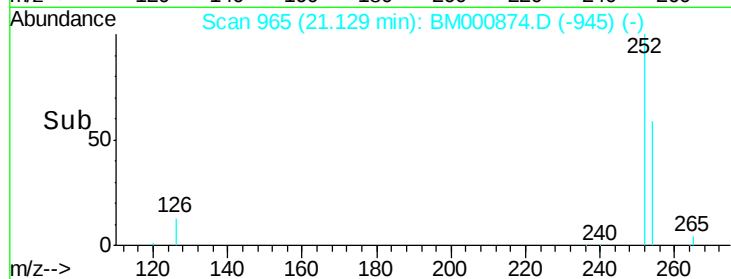
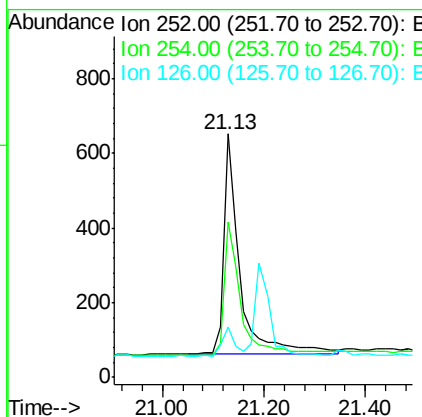
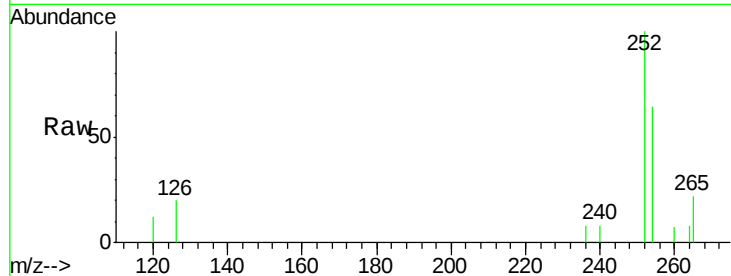
#33
 3,3'-Dichlorobenzidine
 Concen: 0.16 ng
 RT: 21.13 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: BM000874.D
 Acq: 07 Apr 2015 11:39

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.2

Tot Ion	Ratio	Lower	Upper
252	100		
254	64.0	43.2	64.8
126	20.4	15.5	23.3

Manual Integrations
 APPROVED

apatel
 4/9/2015 8:11:21 AM



#34
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.39 min Scan# 1111
 Delta R.T. 0.01 min
 Lab File: BM000874.D
 Acq: 07 Apr 2015 11:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	21.6	32.4
265	21.3	16.1	24.1

