

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040715\
 Data File : BM000873.D
 Acq On : 07 Apr 2015 11:04
 Operator : TP/IZ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.1

Manual Integrations
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 4/9/2015 8:11:17 AM

Quant Time: Apr 07 16:39:15 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	26901	5.00	ng	0.00
11) Naphthalene-d8	10.39	136	139441	5.00	ng	0.00
19) Acenaphthene-d10	14.26	164	74451	5.00	ng	0.00
26) Phenanthrene-d10	17.00	188	179292	5.00	ng	0.00
30) Chrysene-d12	21.21	240	124429	5.00	ng	0.00
34) Perylene-d12	23.39	264	117532	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	855	0.11	ng	0.00
5) Phenol-d6	6.77	99	1058	0.10	ng	0.00
12) Nitrobenzene-d5	8.77	82	725	0.11	ng	0.00
20) 2,4,6-Tribromophenol	15.77	330	155	0.07	ng	0.02
23) 2-Fluorobiphenyl	12.87	172	2333	0.10	ng	0.00
32) Terphenyl-d14	19.65	244	1555	0.10	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.47	42	337	0.10	ng	# 1
6) 2-Chlorophenol	7.17	128	876	0.11	ng	# 68
7) Phenol	6.81	94	1197	0.11	ng	70
8) bis(2-Chloroethyl)ether	7.02	93	748m	0.09	ng	
9) 2-Methylphenol	8.06	107	797	0.10	ng	# 79
10) 3+4-Methylphenols	8.38	107	802	0.09	ng	# 67
13) Nitrobenzene	8.80	77	720	0.10	ng	# 64
14) 2-Nitrophenol	9.52	139	598	0.15	ng	# 43
15) 2,4-Dimethylphenol	9.58	122	726	0.09	ng	# 83
16) 2,4-Dichlorophenol	10.07	162	574	0.08	ng	79
17) Hexachlorobutadiene	10.72	225	614	0.11	ng	94
18) 4-Chloro-3-methylphenol	11.69	107	667	0.09	ng	# 85
21) 2,4,6-Trichlorophenol	12.70	196	250	0.07	ng	# 70
22) 2,4,5-Trichlorophenol	12.77	196	372	0.08	ng	87
25) 4-Nitrophenol	14.56	139	40m	0.03	ng	
28) Hexachlorobenzene	16.33	284	753	0.07	ng	# 74
31) Benzidine	19.30	184	531	0.09	ng	# 37
33) 3,3'-Dichlorobenzidine	21.13	252	711	0.08	ng	# 86

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

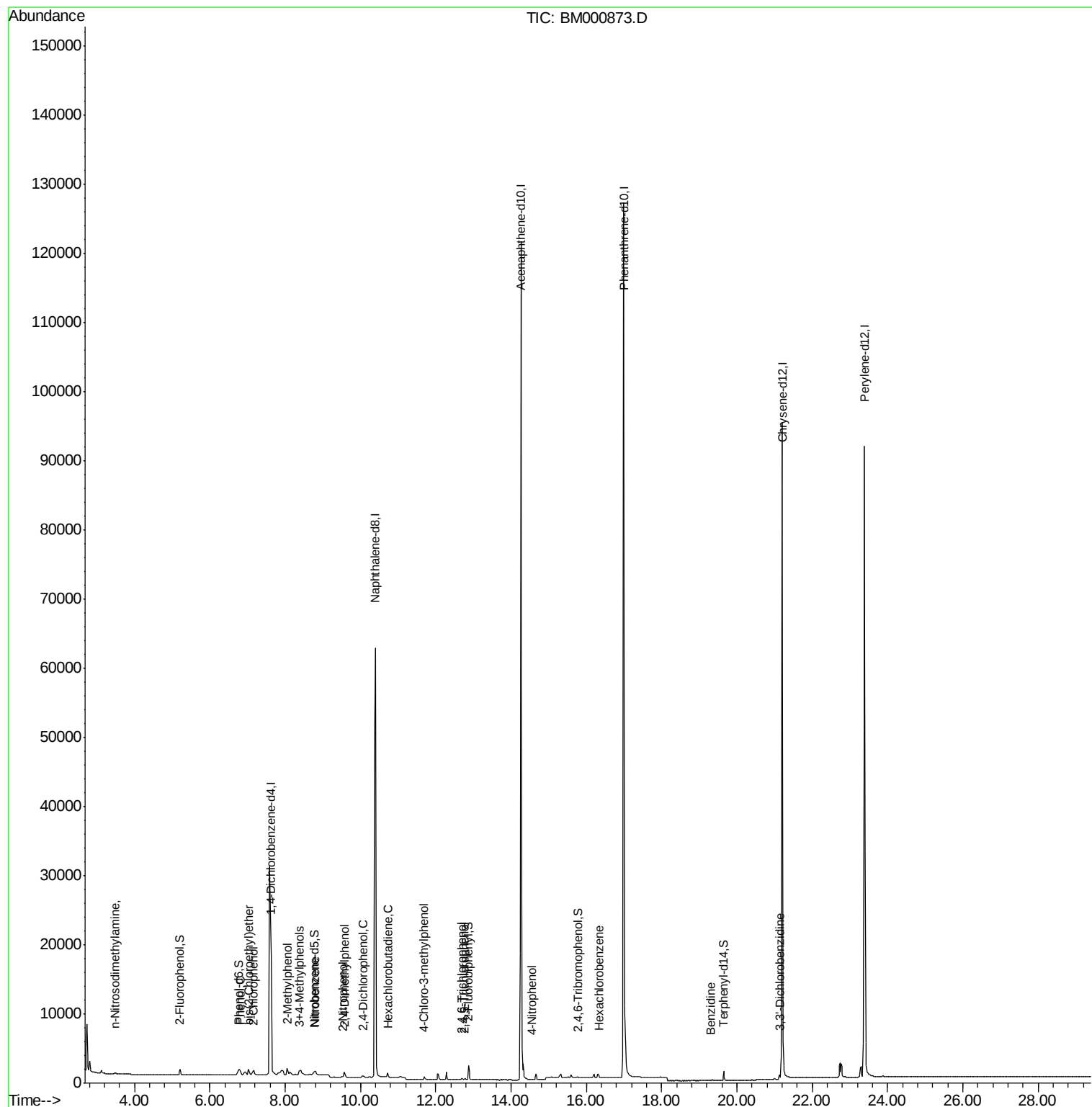
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040715\
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#1

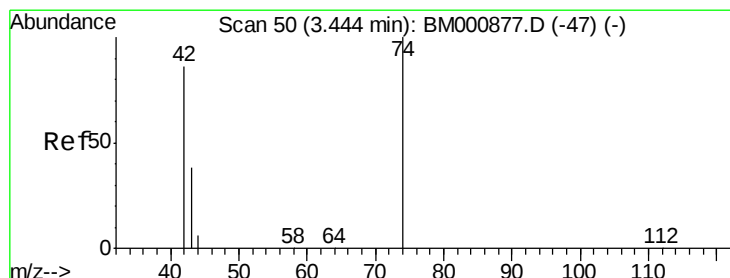
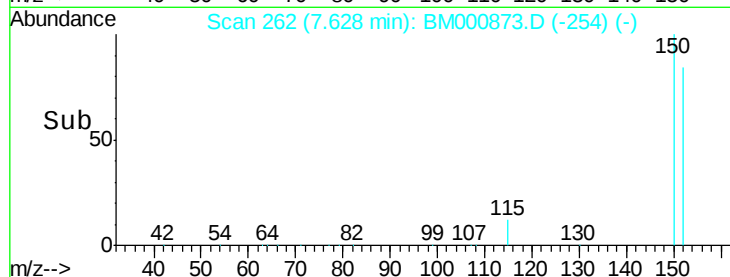
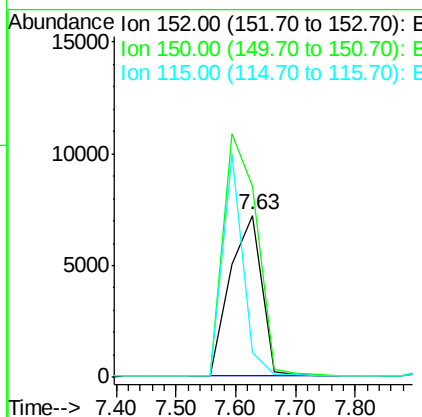
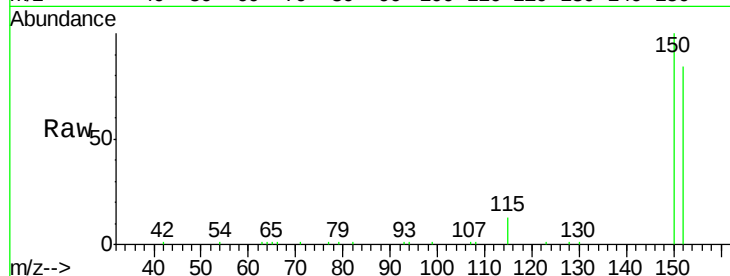
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.63 min Scan# 262
Delta R.T. -0.00 min
Lab File: BM000873.D
Acq: 07 Apr 2015 11:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

Tot Ion	Ratio	Lower	Upper
152	100		
150	118.4	96.5	144.7
115	15.4	11.9	17.9

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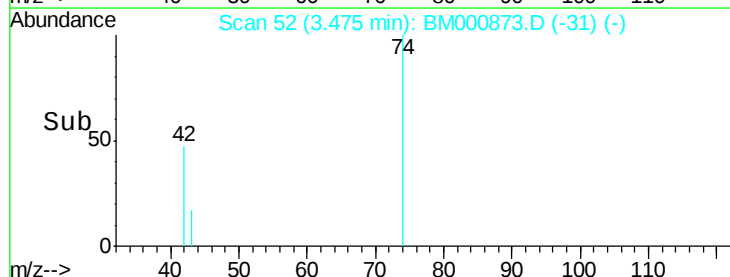
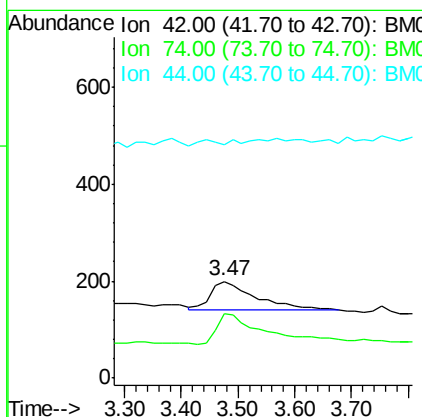
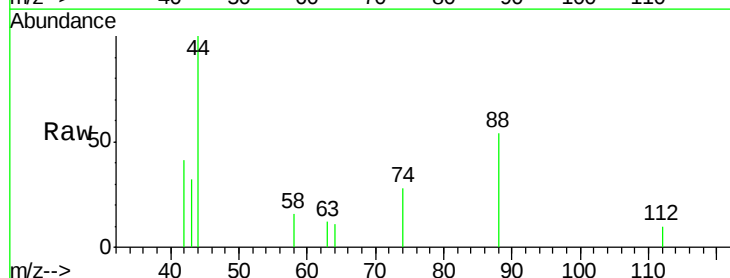
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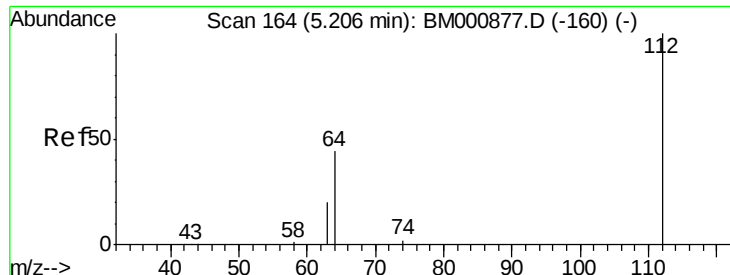


#3

n-Nitrosodimethylamine
Concen: 0.10 ng
RT: 3.47 min Scan# 52
Delta R.T. 0.03 min
Lab File: BM000873.D
Acq: 07 Apr 2015 11:04

Tgt Ion	Ratio	Lower	Upper
42	100		
74	67.0	81.0	121.4#
44	241.0	53.3	79.9#





#4

2-Fluorophenol

Concen: 0.11 ng

RT: 5.21 min Scan# 164

Delta R.T. -0.00 min

Lab File: BM000873.D

Acq: 07 Apr 2015 11:04

Instrument :

BNA_M

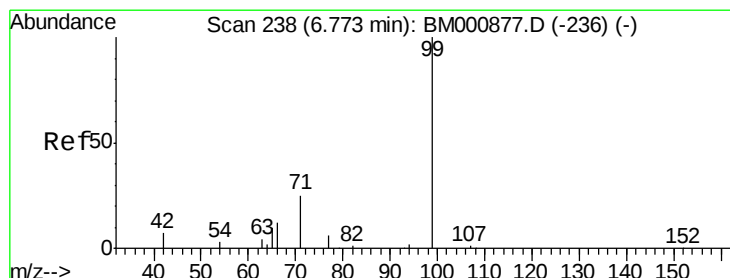
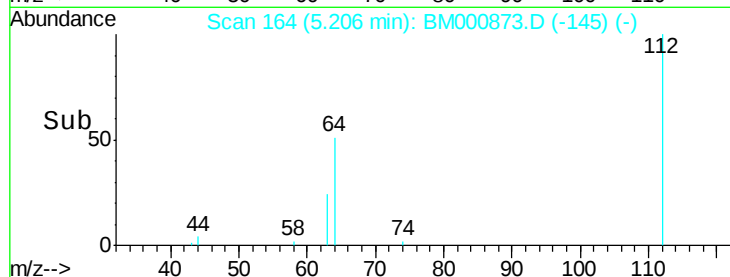
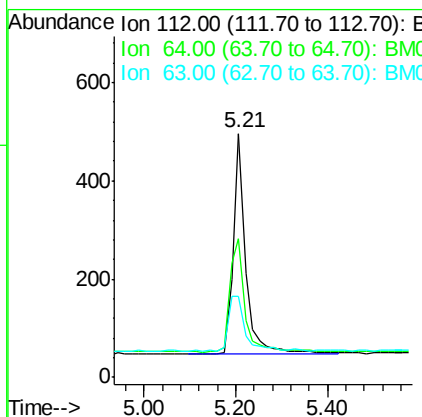
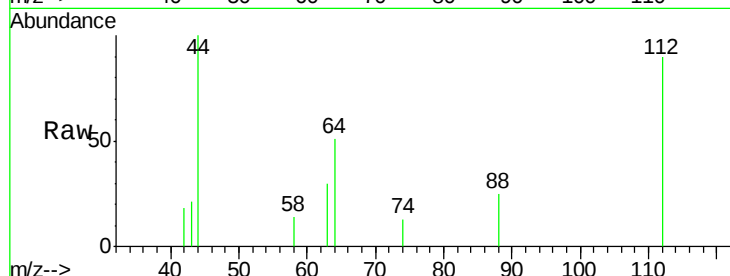
ClientSampleId :

SSTDICC0.1

Tot Ion:	112	Resp:	855
Ion Ratio	Lower	Upper	
112	100		
64	56.7	35.7	53.5#
63	33.1	17.0	25.4#

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#5

Phenol-d6

Concen: 0.10 ng

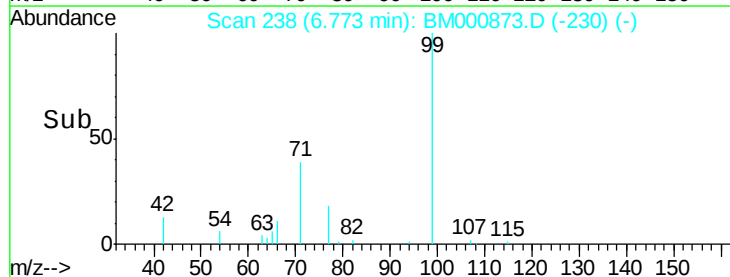
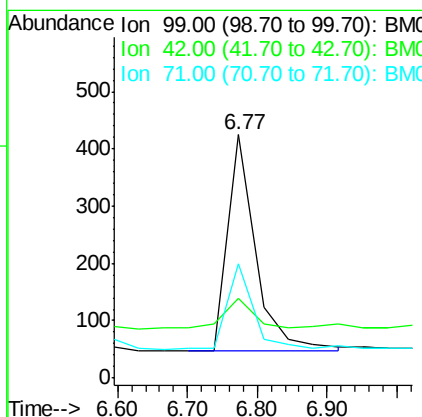
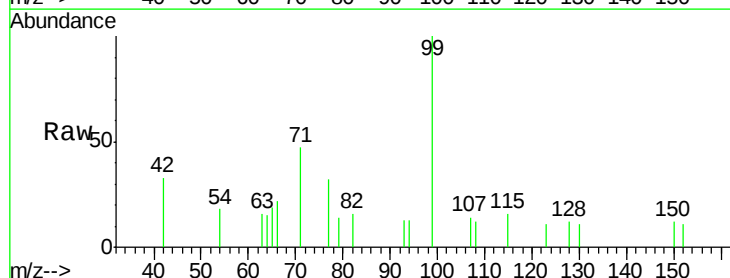
RT: 6.77 min Scan# 238

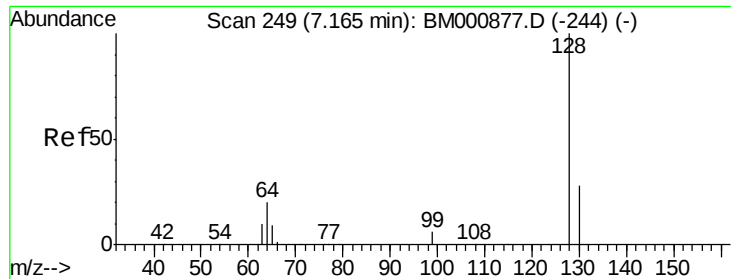
Delta R.T. -0.00 min

Lab File: BM000873.D

Acq: 07 Apr 2015 11:04

Tgt Ion:	99	Resp:	1058
Ion Ratio	Lower	Upper	
99	100		
42	32.7	7.5	11.3#
71	46.8	21.3	31.9#





#6

2-Chlorophenol

Concen: 0.11 ng

RT: 7.17 min Scan# 249

Delta R.T. -0.00 min

Lab File: BM000873.D

Acq: 07 Apr 2015 11:04

Instrument :

BNA_M

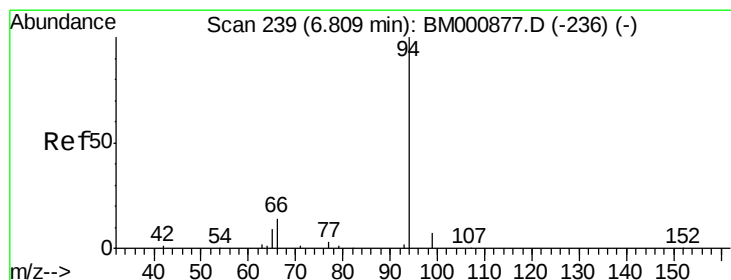
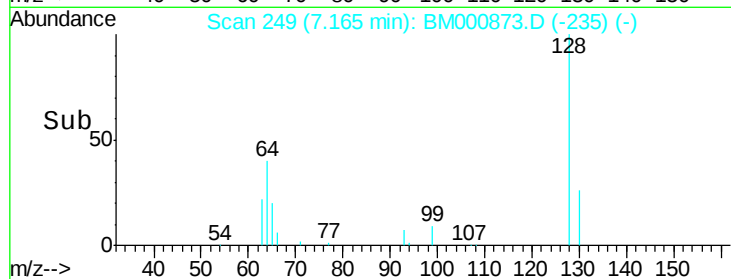
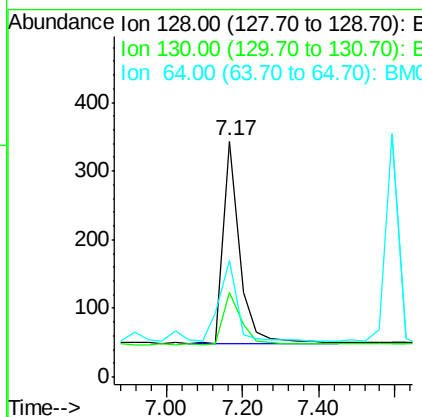
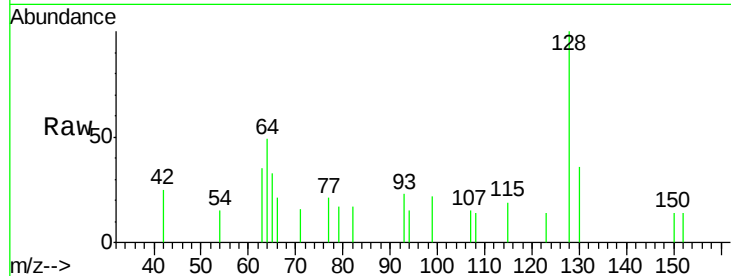
ClientSampleId :

SSTDIC0.1

Tot Ion:	128	Resp:	876
Ion	Ratio	Lower	Upper
128	100		
130	36.0	9.4	49.4
64	49.4	2.1	42.1#

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#7

Phenol

Concen: 0.11 ng

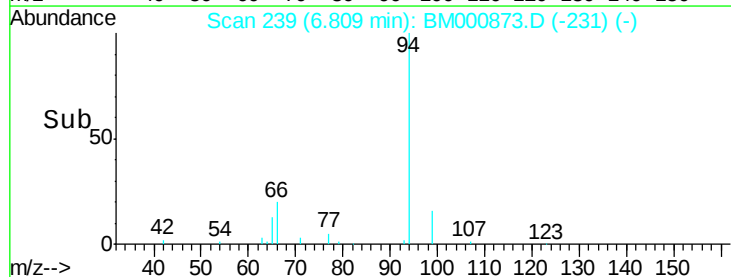
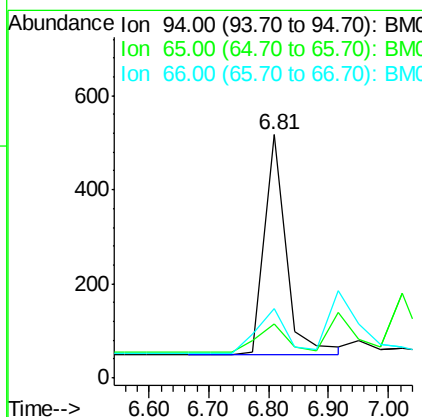
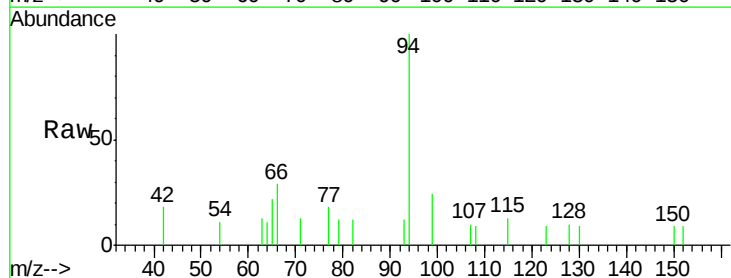
RT: 6.81 min Scan# 239

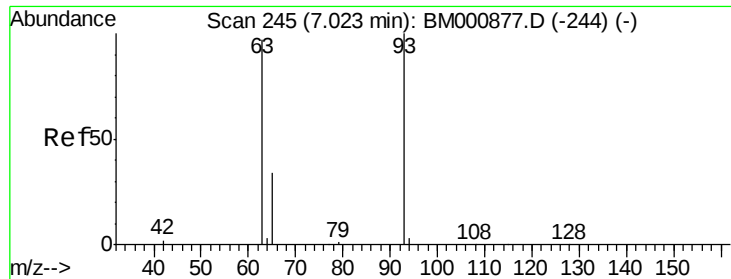
Delta R.T. -0.00 min

Lab File: BM000873.D

Acq: 07 Apr 2015 11:04

Tgt Ion:	94	Resp:	1197
Ion	Ratio	Lower	Upper
94	100		
65	22.4	0.0	30.9
66	28.6	0.0	35.8





#8

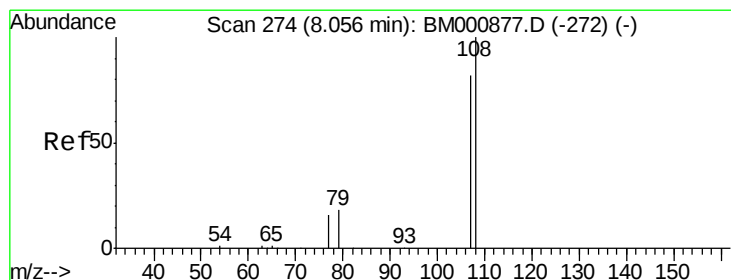
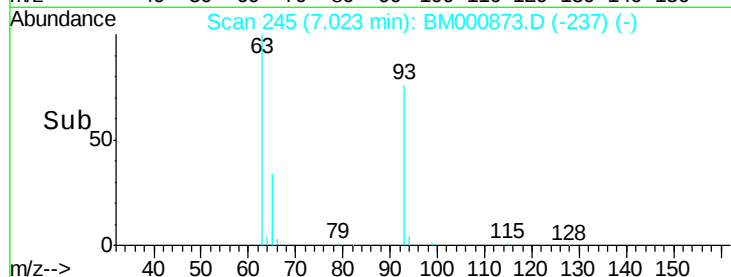
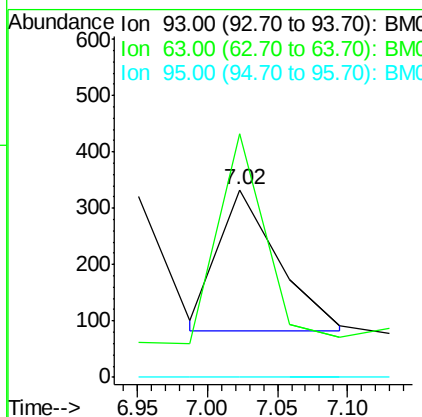
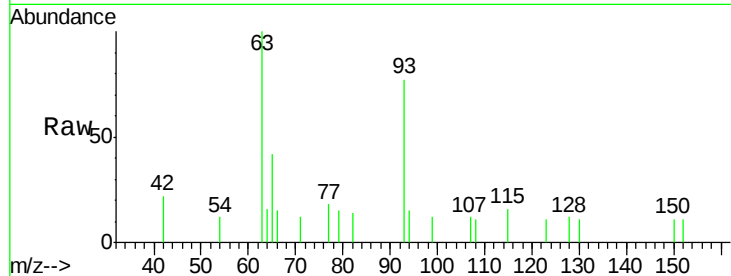
bis(2-Chloroethyl)ether
Concen: 0.09 ng ml
RT: 7.02 min Scan# 245
Delta R.T. -0.00 min
Lab File: BM000873.D
Acq: 07 Apr 2015 11:04

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.1

Tot Ion	Ratio	Lower	Upper
93	100		
63	129.7	73.3	113.3#
95	0.0	0.0	20.0

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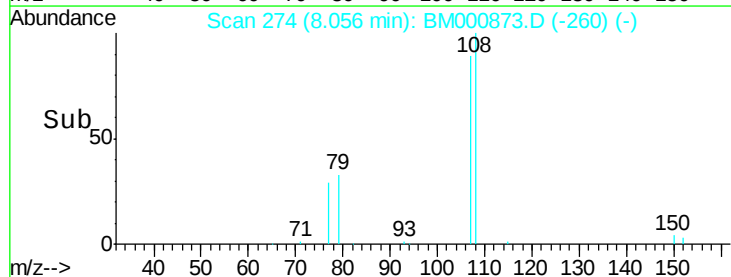
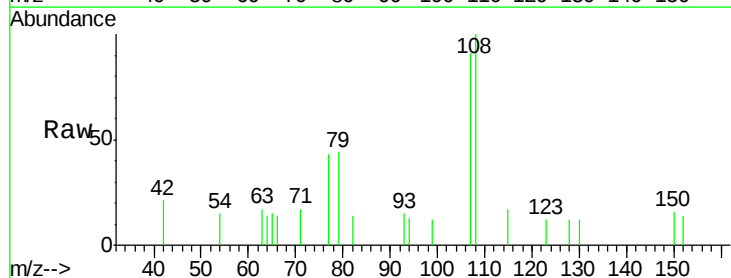
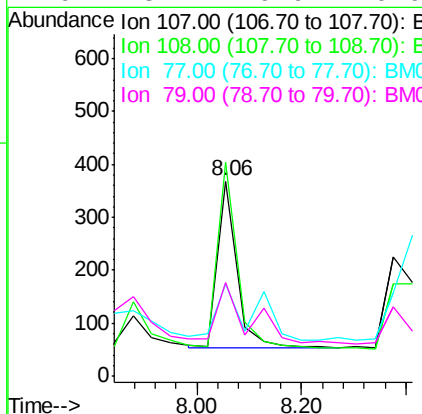
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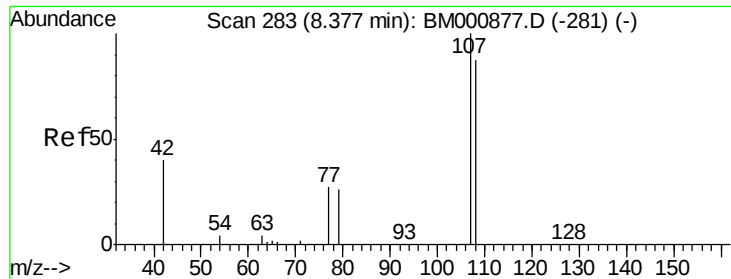


#9

2-Methylphenol
Concen: 0.10 ng
RT: 8.06 min Scan# 274
Delta R.T. -0.00 min
Lab File: BM000873.D
Acq: 07 Apr 2015 11:04

Tgt Ion	Ratio	Lower	Upper
107	100		
108	109.8	96.7	145.1
77	47.3	18.3	27.5#
79	48.1	19.9	29.9#





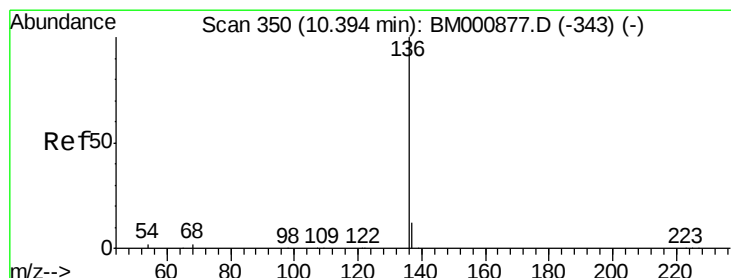
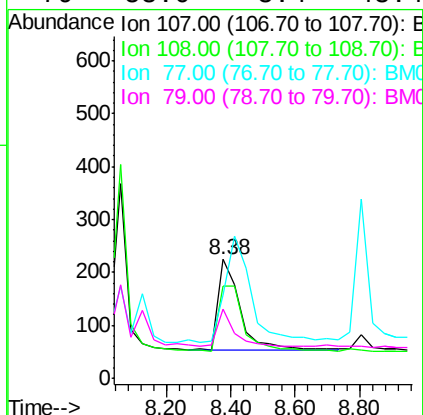
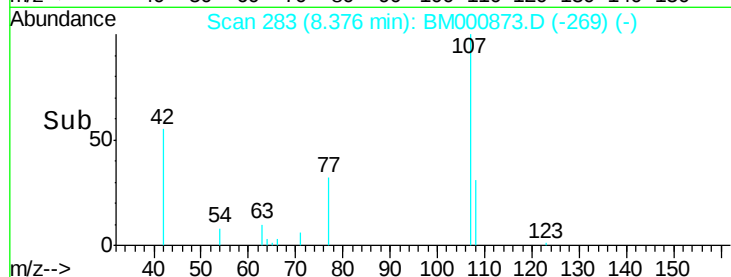
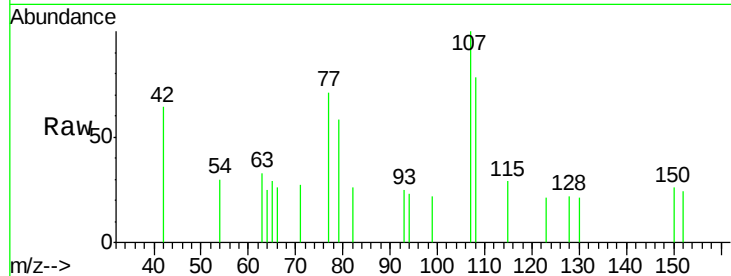
#10
3+4-Methylphenols
Concen: 0.09 ng
RT: 8.38 min Scan# 283
Delta R.T. -0.00 min
Lab File: BM000873.D
Acq: 07 Apr 2015 11:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.1

Tot Ion	Ratio	Lower	Upper
107	100		
108	77.7	67.6	107.6
77	70.5	10.0	50.0#
79	58.0	8.4	48.4#

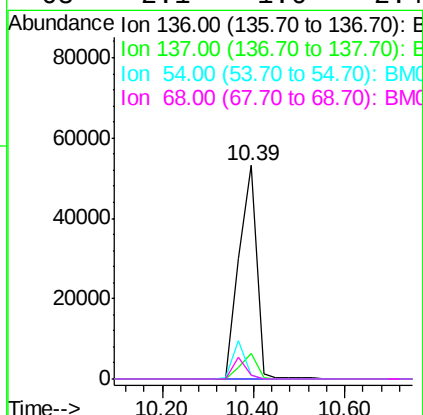
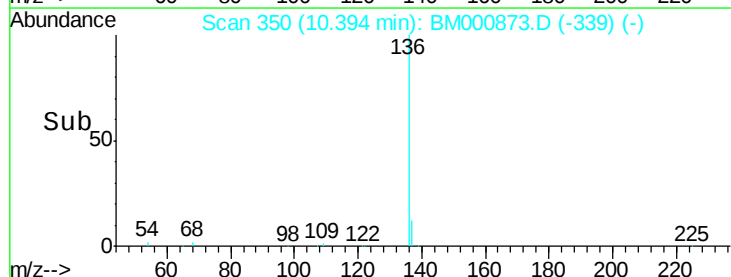
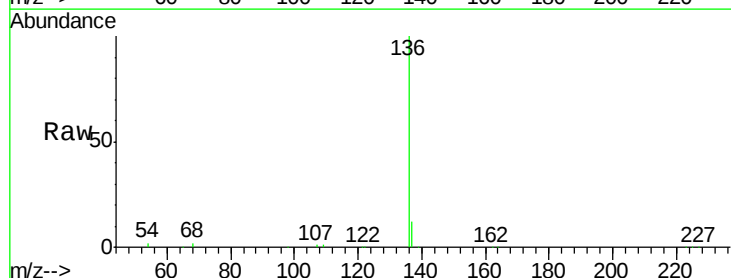
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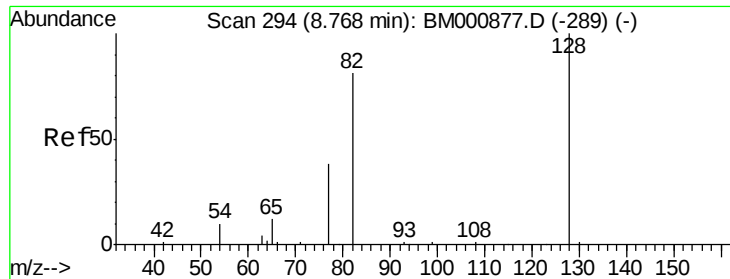
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#11
Naphthalene-d8
Concen: 5.00 ng
RT: 10.39 min Scan# 350
Delta R.T. -0.00 min
Lab File: BM000873.D
Acq: 07 Apr 2015 11:04

Tgt Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.6	14.4
54	2.0	1.5	2.3
68	2.1	1.6	2.4





#12

Nitrobenzene-d5

Concen: 0.11 ng

RT: 8.77 min Scan# 294

Delta R.T. -0.00 min

Lab File: BM000873.D

Acq: 07 Apr 2015 11:04

Instrument :

BNA_M

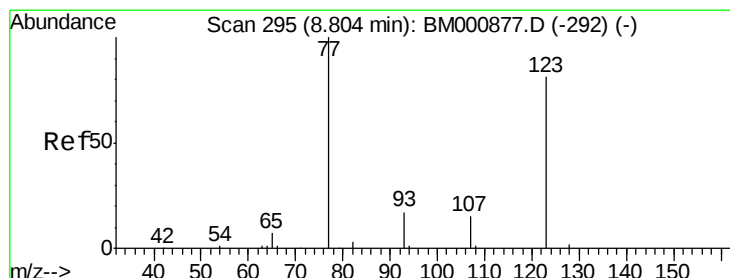
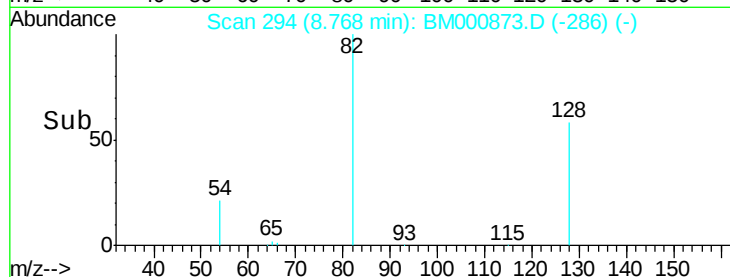
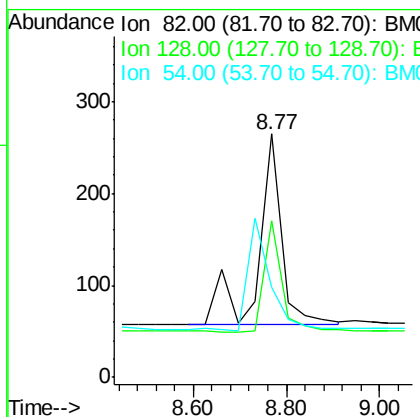
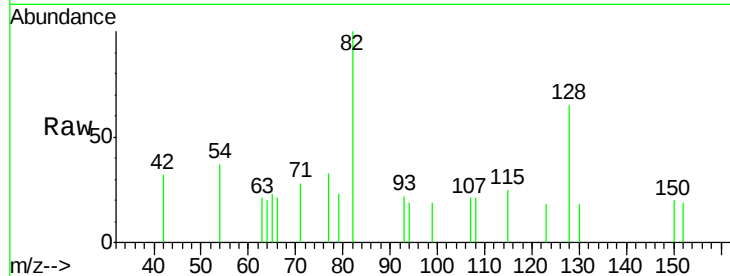
ClientSampleId :

SSTDICC0.1

Tot Ion:	82	Resp:	725
Ion	Ratio	Lower	Upper
82	100		
128	64.5	96.2	144.2#
54	37.0	15.0	22.6#

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#13

Nitrobenzene

Concen: 0.10 ng

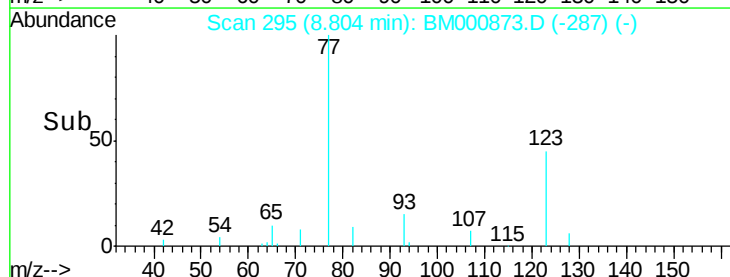
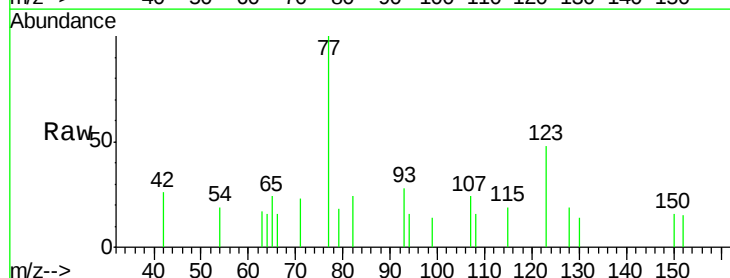
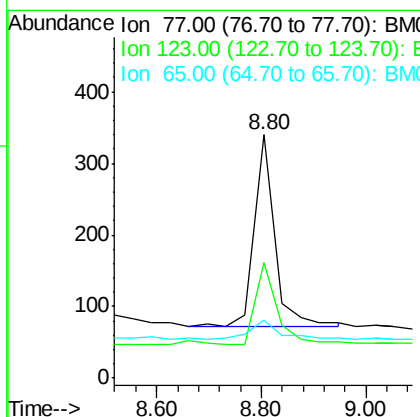
RT: 8.80 min Scan# 295

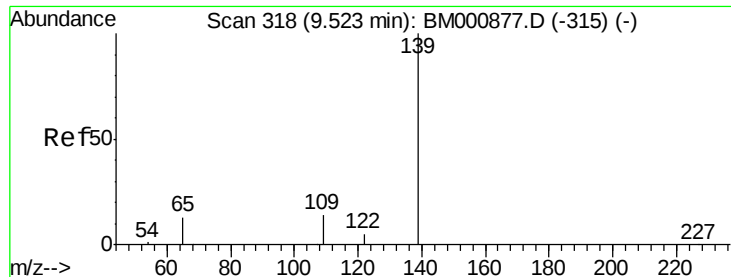
Delta R.T. -0.00 min

Lab File: BM000873.D

Acq: 07 Apr 2015 11:04

Tgt Ion:	77	Resp:	720
Ion	Ratio	Lower	Upper
77	100		
123	47.6	64.0	96.0#
65	23.8	8.7	13.1#





#14

2-Nitrophenol

Concen: 0.15 ng

RT: 9.52 min Scan# 318

Delta R.T. -0.00 min

Lab File: BM000873.D

Acq: 07 Apr 2015 11:04

Instrument :

BNA_M

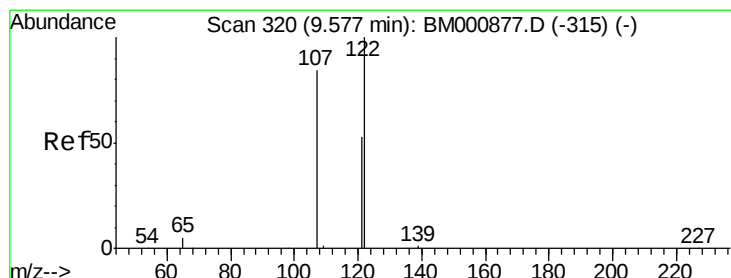
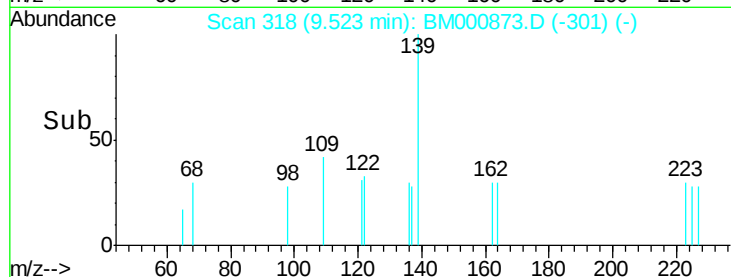
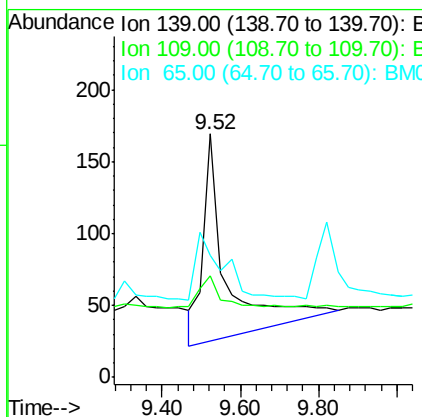
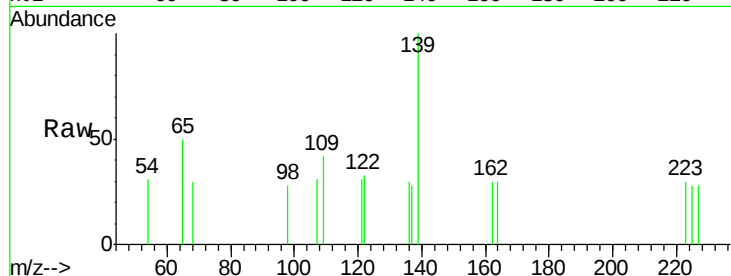
ClientSampleId :

SSTDICC0.1

Tot Ion:	139	Resp:	598
Ion Ratio	Lower	Upper	
139	100		
109	42.0	15.8	23.8#
65	50.3	16.2	24.2#

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#15

2,4-Dimethylphenol

Concen: 0.09 ng

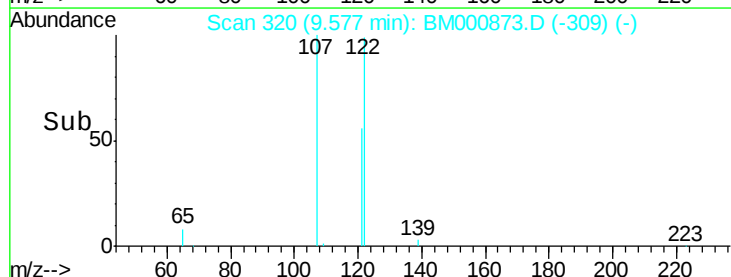
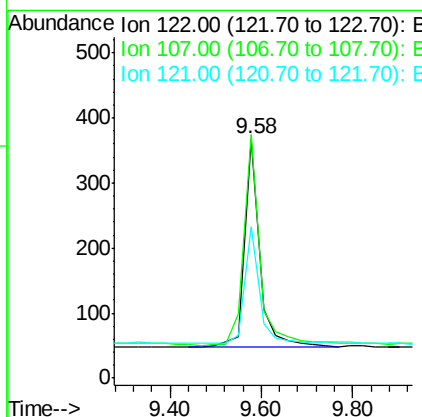
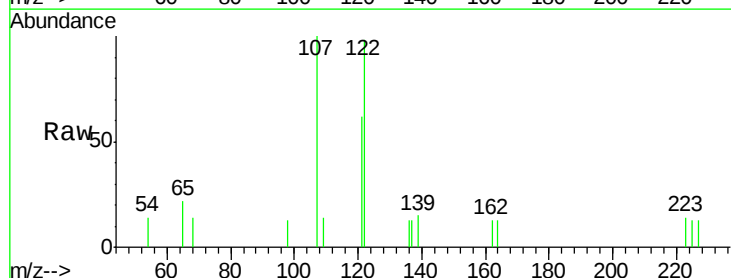
RT: 9.58 min Scan# 320

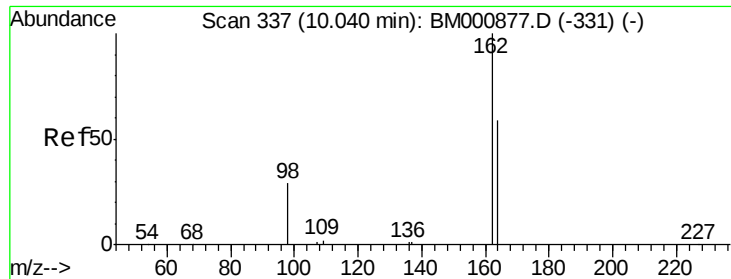
Delta R.T. -0.00 min

Lab File: BM000873.D

Acq: 07 Apr 2015 11:04

Tgt Ion:	122	Resp:	726
Ion Ratio	Lower	Upper	
122	100		
107	101.9	67.4	101.2#
121	63.2	43.5	65.3





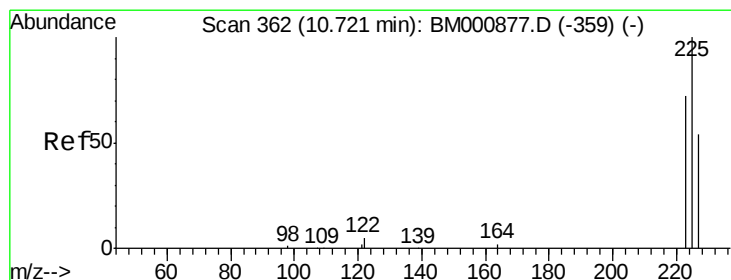
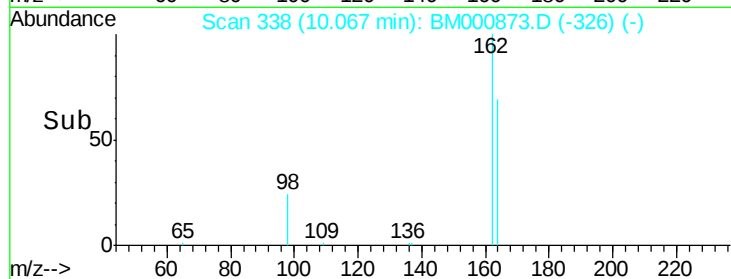
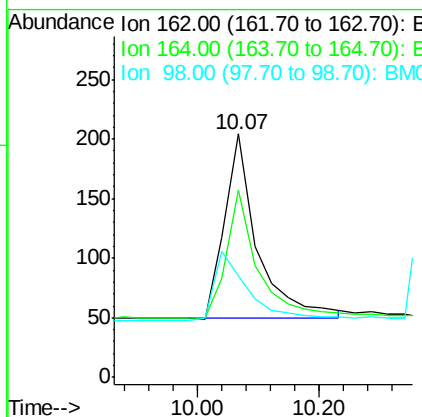
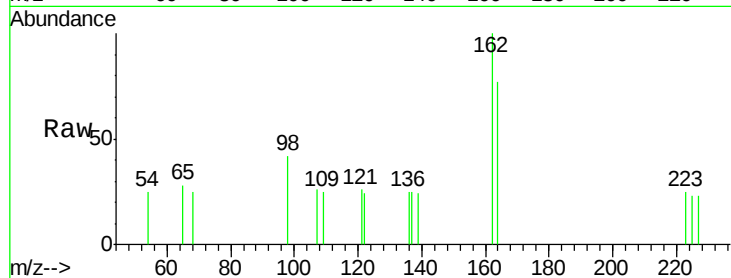
#16
 2,4-Dichlorophenol
 Concen: 0.08 ng
 RT: 10.07 min Scan# 338
 Delta R.T. 0.03 min
 Lab File: BM000873.D
 Acq: 07 Apr 2015 11:04

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.1

Tot Ion:	162	Resp:	574
Ion	Ratio	Lower	Upper
162	100		
164	77.0	39.9	79.9
98	41.7	11.3	51.3

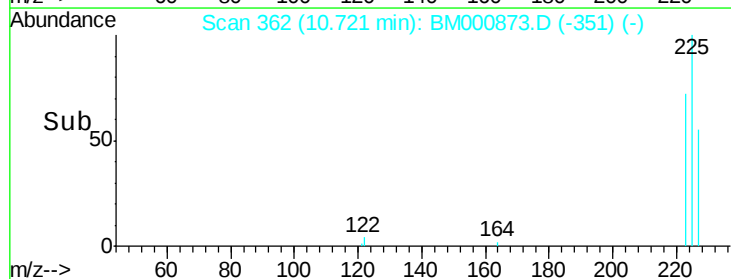
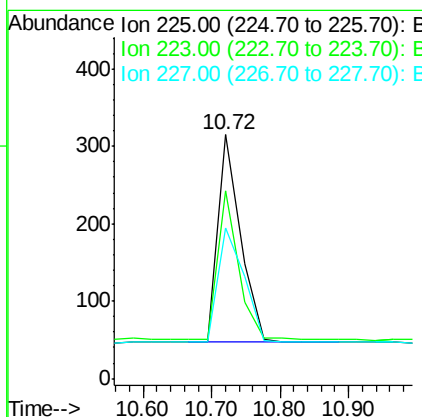
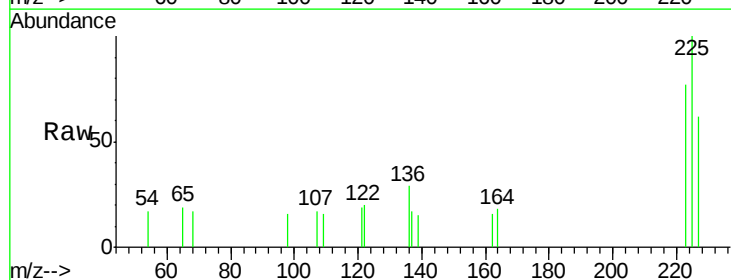
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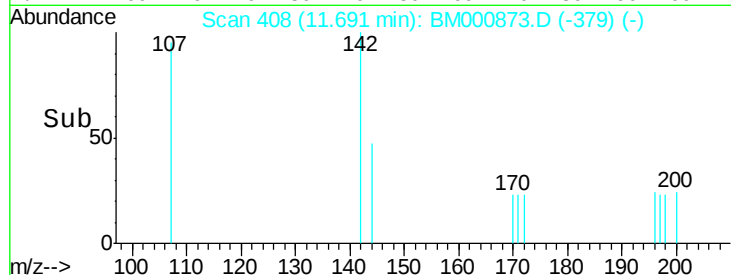
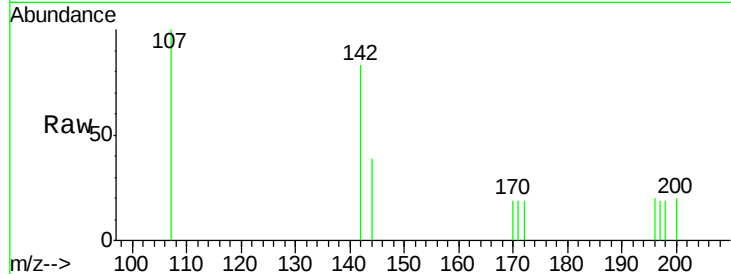
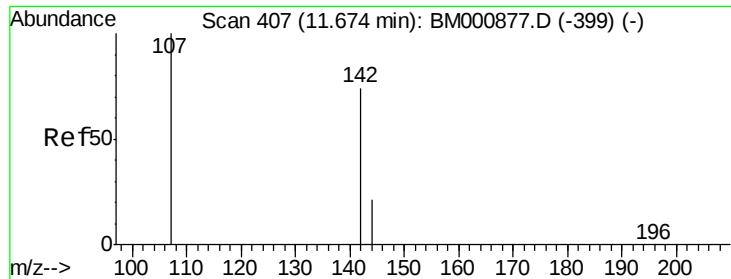
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#17
 Hexachlorobutadiene
 Concen: 0.11 ng
 RT: 10.72 min Scan# 362
 Delta R.T. -0.00 min
 Lab File: BM000873.D
 Acq: 07 Apr 2015 11:04

Tgt Ion:	225	Resp:	614
Ion	Ratio	Lower	Upper
225	100		
223	76.8	58.3	87.5
227	61.6	44.5	66.7





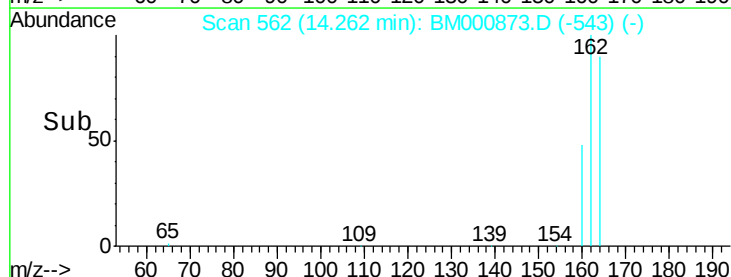
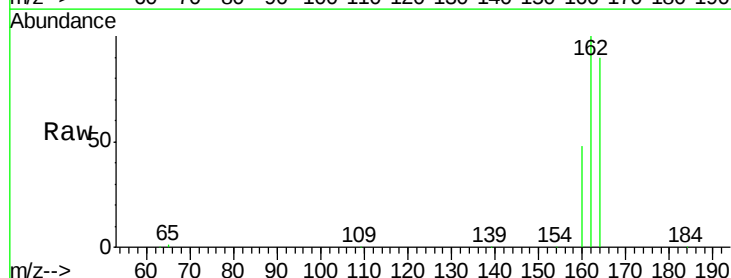
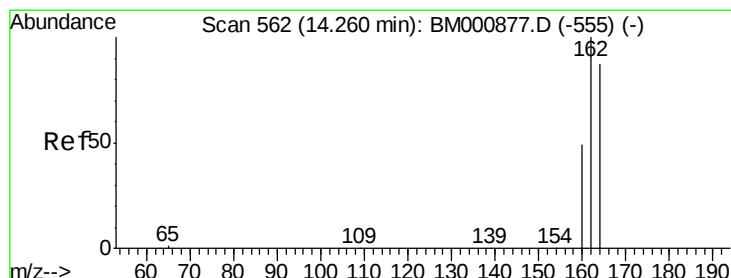
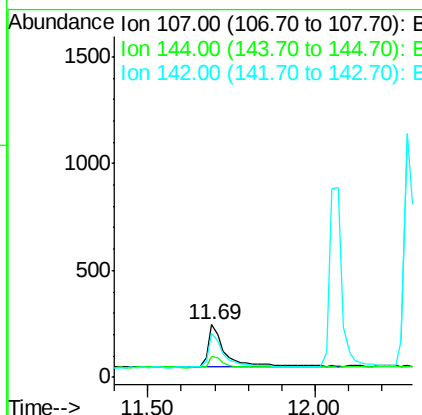
#18
4-Chloro-3-methylphenol
Concen: 0.09 ng
RT: 11.69 min Scan# 408
Delta R.T. 0.02 min
Lab File: BM000873.D
Acq: 07 Apr 2015 11:04

Tot Ion	Ratio	Lower	Upper
107	100		
144	38.6	18.4	27.6#
142	82.9	59.9	89.9

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.1

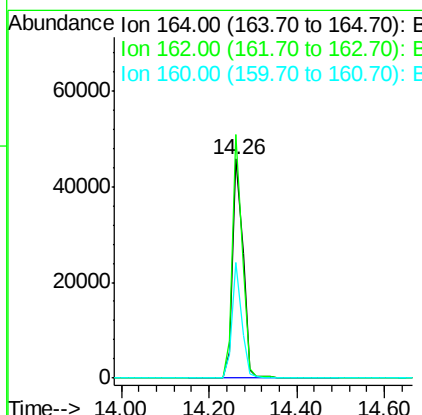
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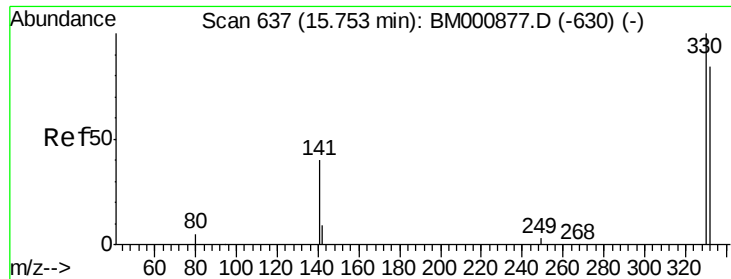
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#19
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.26 min Scan# 562
Delta R.T. 0.00 min
Lab File: BM000873.D
Acq: 07 Apr 2015 11:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	111.3	91.8	137.6
160	53.1	44.6	67.0





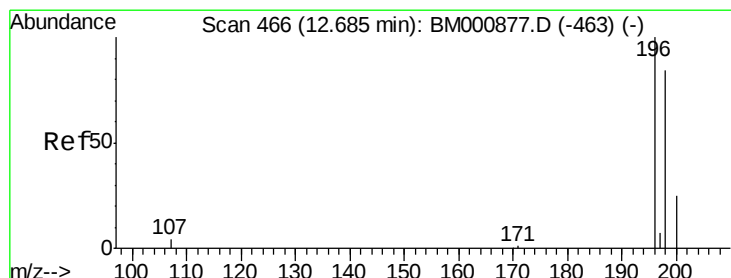
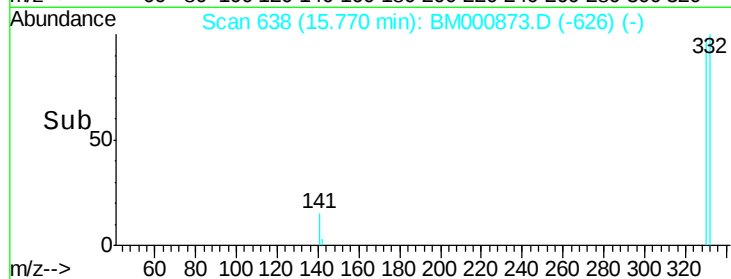
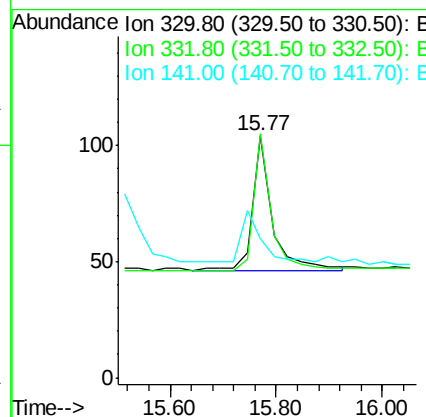
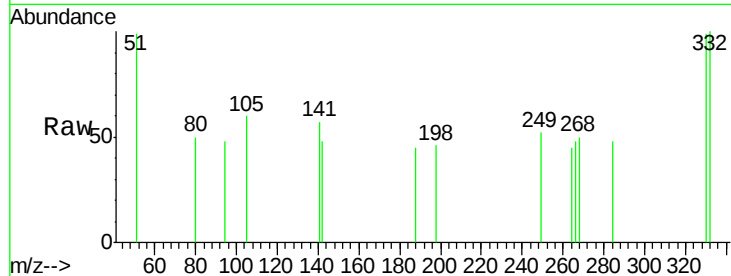
#20
 2,4,6-Tribromophenol
 Concen: 0.07 ng
 RT: 15.77 min Scan# 638
 Delta R.T. 0.02 min
 Lab File: BM000873.D
 Acq: 07 Apr 2015 11:04

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.1

Tot Ion	Ratio	Lower	Upper
330	100		
332	90.3	72.6	109.0
141	0.0	29.8	44.6#

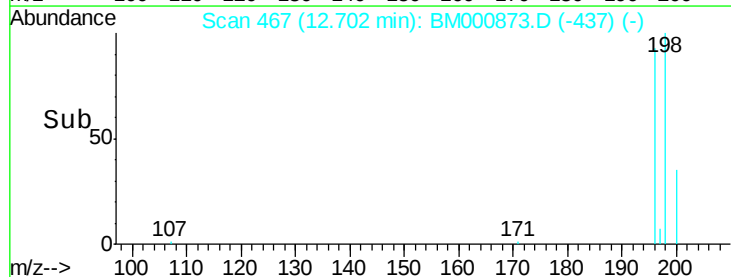
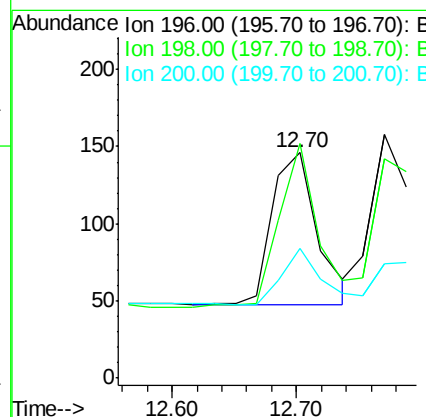
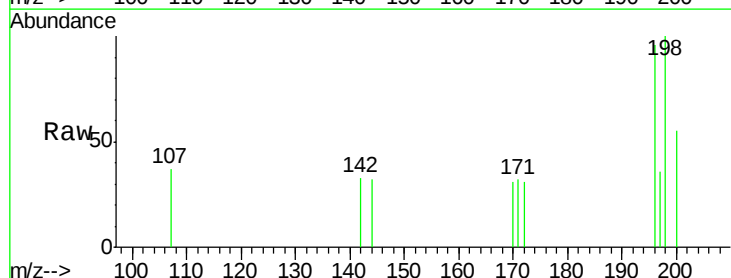
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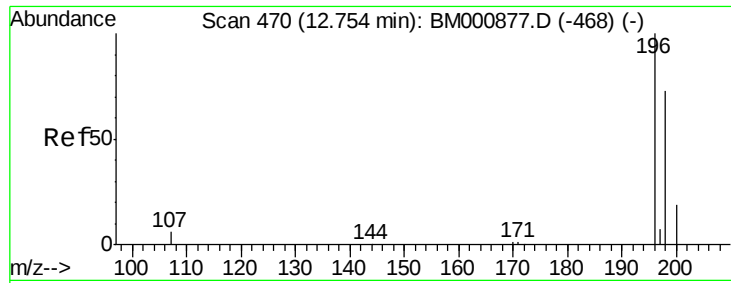
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#21
 2,4,6-Trichlorophenol
 Concen: 0.07 ng
 RT: 12.70 min Scan# 467
 Delta R.T. 0.02 min
 Lab File: BM000873.D
 Acq: 07 Apr 2015 11:04

Tgt Ion	Ratio	Lower	Upper
196	100		
198	104.1	67.5	101.3#
200	57.5	22.1	33.1#





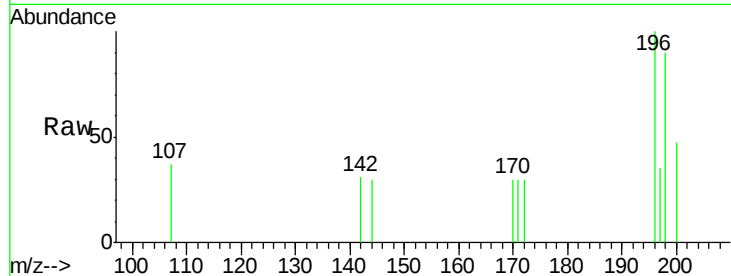
#22
2,4,5-Trichlorophenol
Concen: 0.08 ng
RT: 12.77 min Scan# 471
Delta R.T. 0.02 min
Lab File: BM000873.D
Acq: 07 Apr 2015 11:04

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.1

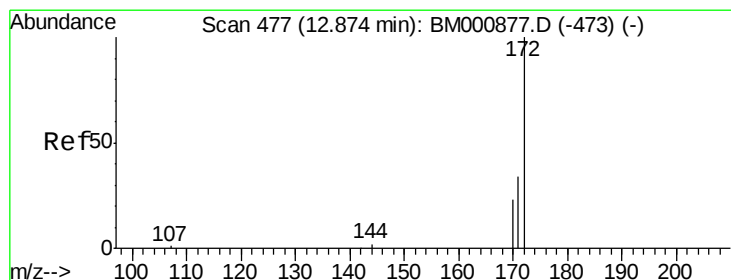
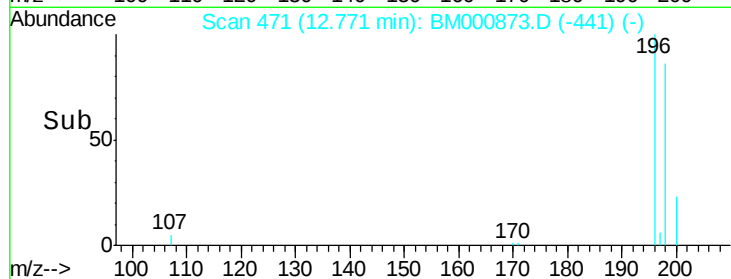
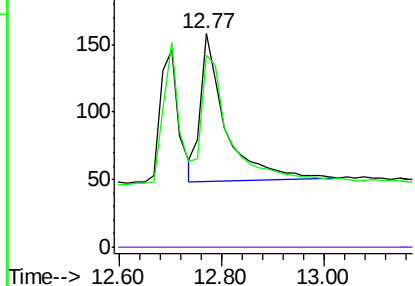
Tot Ion:	196	Resp:	372
Ion Ratio	Lower	Upper	
196	100		
198	89.9	62.7	94.1
97	0.0	0.0	0.0
132	0.0	0.0	0.0

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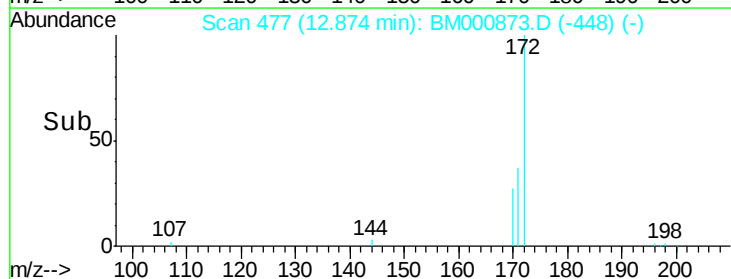
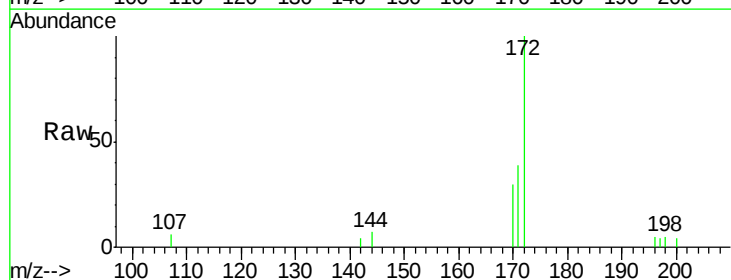
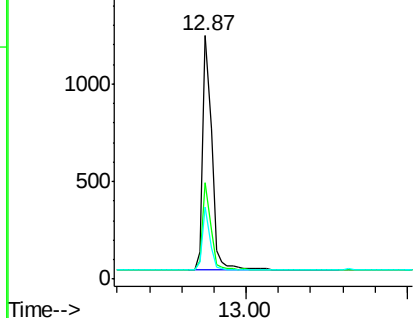
Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BM
Ion 132.00 (131.70 to 132.70): E

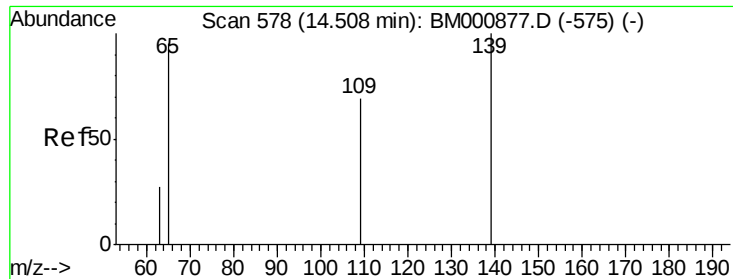


#23
2-Fluorobiphenyl
Concen: 0.10 ng
RT: 12.87 min Scan# 477
Delta R.T. -0.00 min
Lab File: BM000873.D
Acq: 07 Apr 2015 11:04

Tgt Ion:	172	Resp:	2333
Ion Ratio	Lower	Upper	
172	100		
171	39.4	27.8	41.8
170	29.7	19.0	28.6#

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





#25

4-Nitrophenol

Concen: 0.03 ng/ml

RT: 14.56 min Scan# 581

Delta R.T. 0.05 min

Lab File: BM000873.D

Acq: 07 Apr 2015 11:04

Instrument :

BNA_M

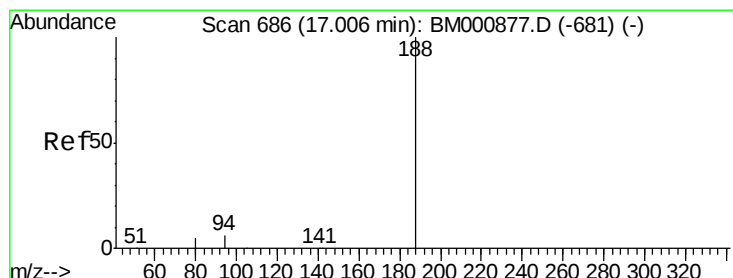
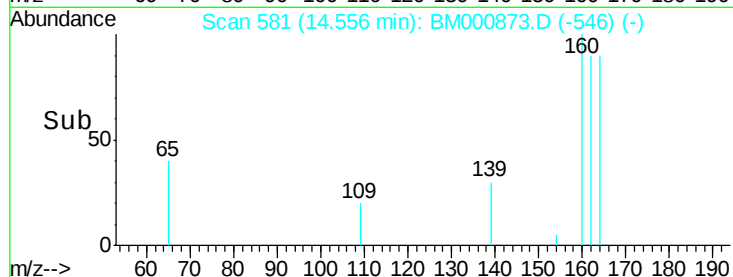
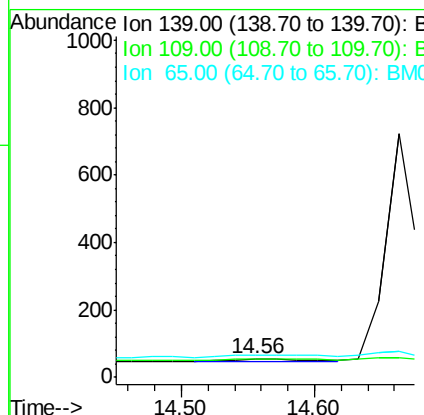
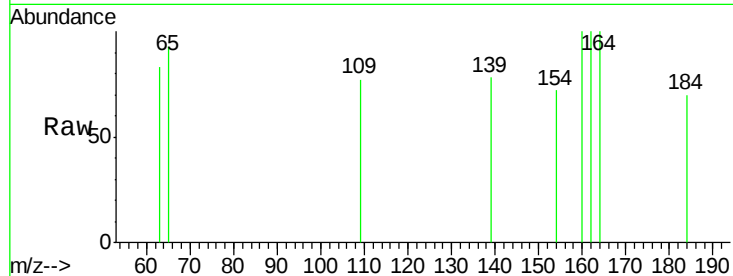
ClientSampleId :

SSTDIC0.1

Tot Ion:	139	Resp:	40
Ion	Ratio	Lower	Upper
139	100		
109	98.1	58.4	98.4
65	118.5	87.7	127.7

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#26

Phenanthrene-d10

Concen: 5.00 ng

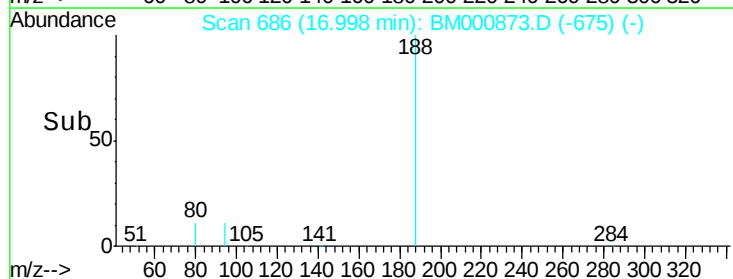
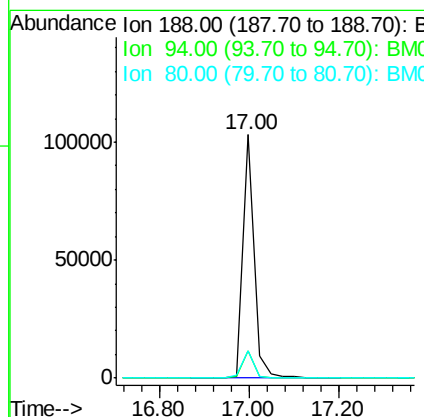
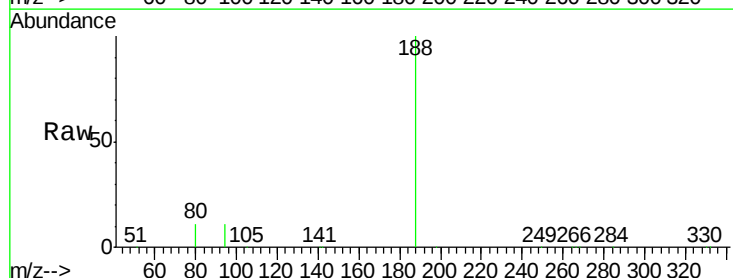
RT: 17.00 min Scan# 686

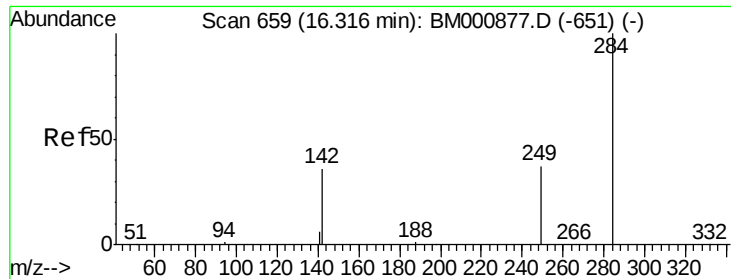
Delta R.T. -0.01 min

Lab File: BM000873.D

Acq: 07 Apr 2015 11:04

Tgt Ion:	188	Resp:	179292
Ion	Ratio	Lower	Upper
188	100		
94	11.0	4.9	7.3#
80	11.4	4.4	6.6#





#28

Hexachlorobenzene

Concen: 0.07 ng

RT: 16.33 min Scan# 660

Delta R.T. 0.02 min

Lab File: BM000873.D

Acq: 07 Apr 2015 11:04

Instrument :

BNA_M

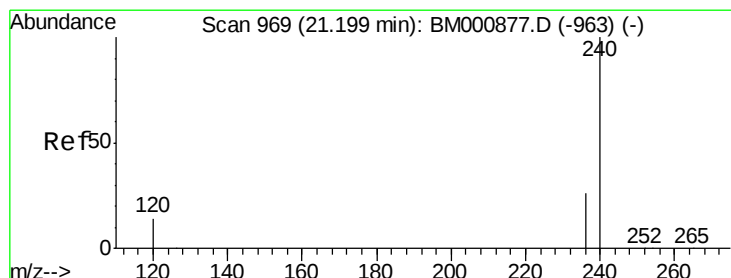
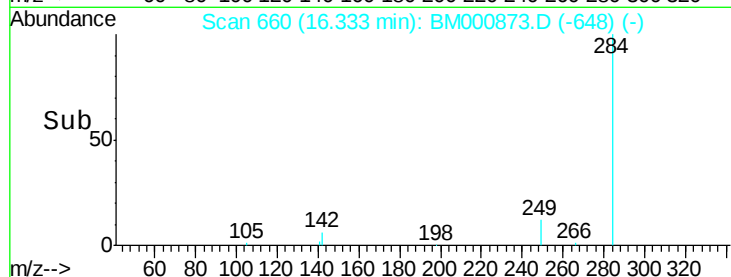
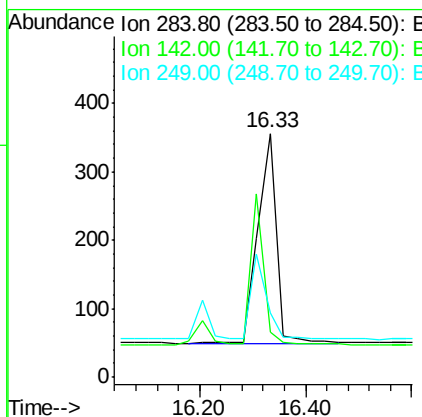
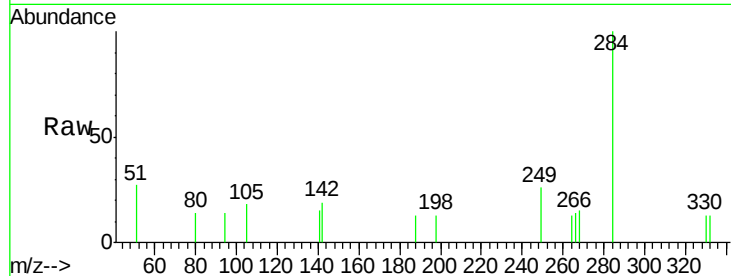
ClientSampleId :

SSTDIC0.1

Tot Ion:	284	Resp:	753
Ion Ratio	Lower	Upper	
284	100		
142	18.5	29.8	44.8#
249	26.1	31.0	46.4#

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#30

Chrysene-d12

Concen: 5.00 ng

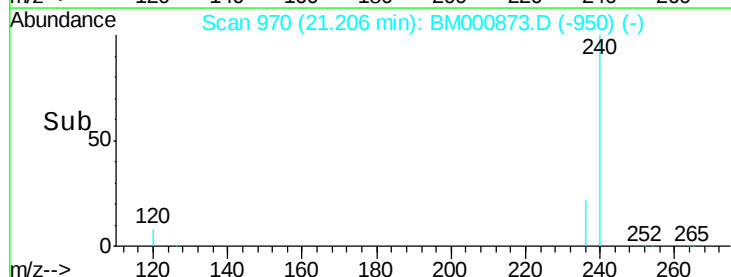
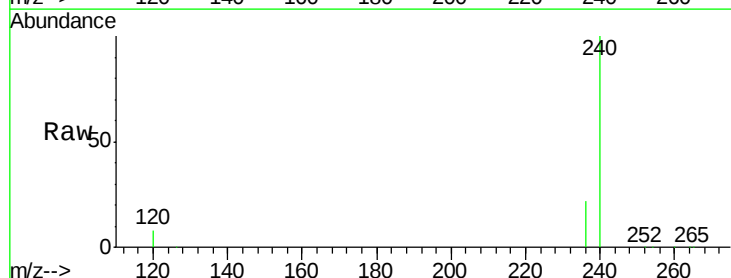
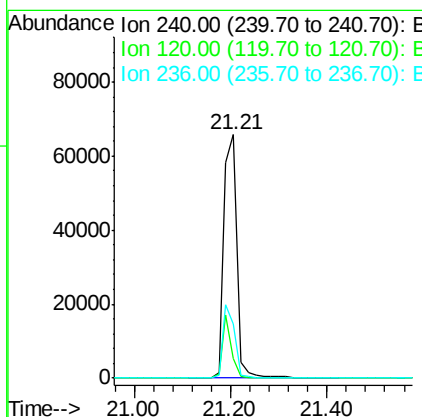
RT: 21.21 min Scan# 970

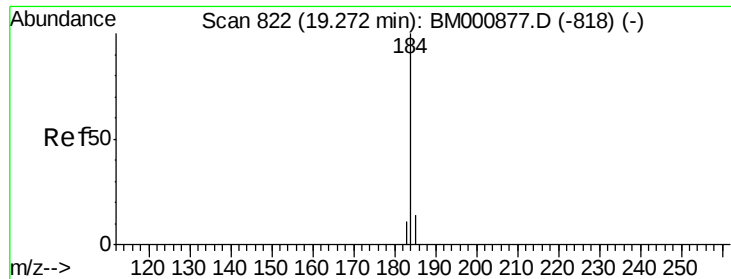
Delta R.T. 0.01 min

Lab File: BM000873.D

Acq: 07 Apr 2015 11:04

Tgt Ion:	240	Resp:	124429
Ion Ratio	Lower	Upper	
240	100		
120	8.1	11.1	16.7#
236	22.1	20.9	31.3





#31

Benzidine

Concen: 0.09 ng

RT: 19.30 min Scan# 825

Delta R.T. 0.03 min

Lab File: BM000873.D

Acq: 07 Apr 2015 11:04

Instrument :

BNA_M

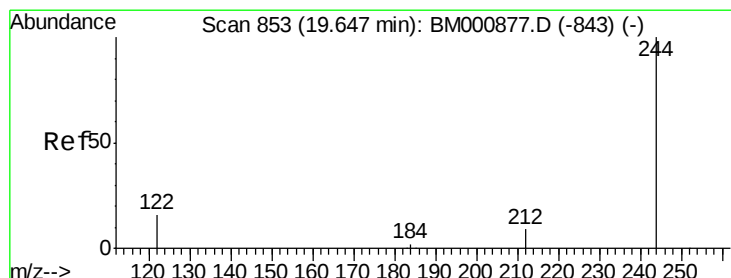
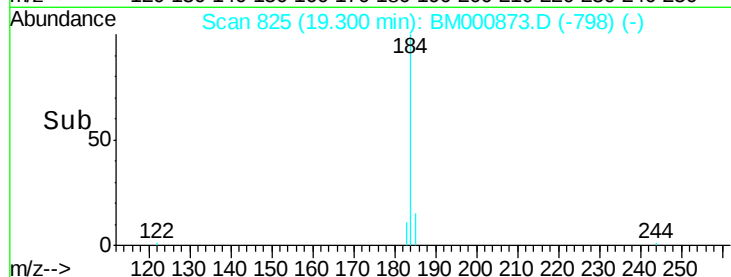
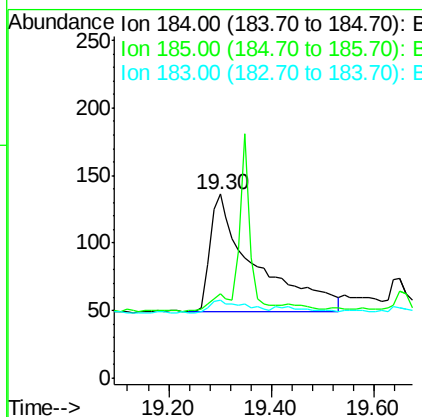
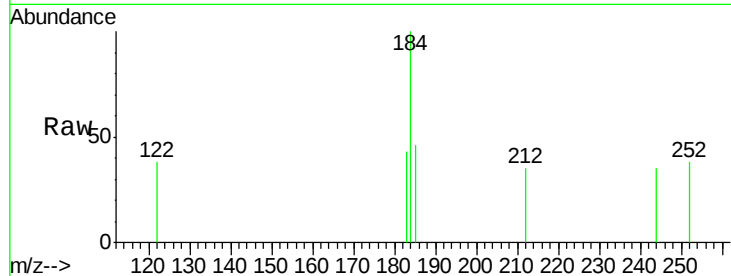
ClientSampleId :

SSTDICC0.1

Tot Ion:	184	Resp:	531
Ion Ratio	Lower	Upper	
184	100		
185	45.6	14.4	21.6#
183	42.6	12.6	19.0#

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#32

Terphenyl-d14

Concen: 0.10 ng

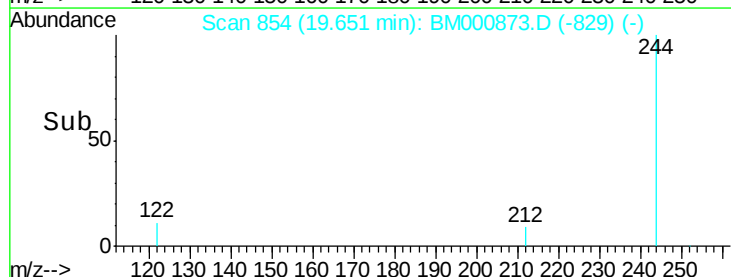
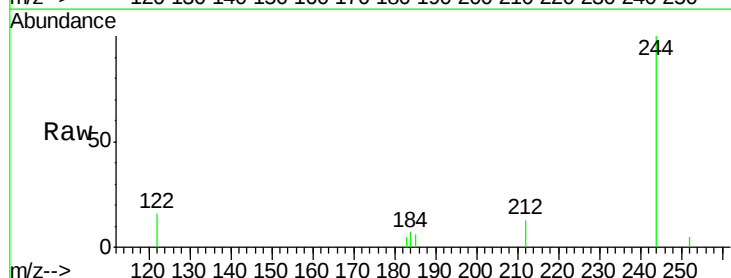
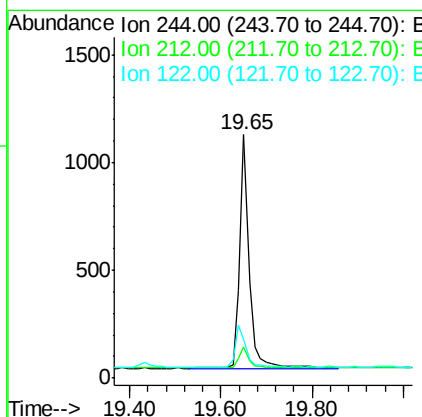
RT: 19.65 min Scan# 854

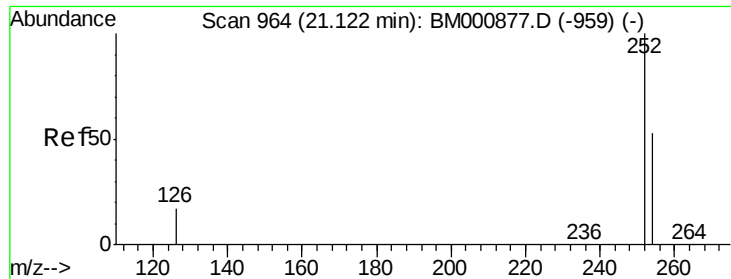
Delta R.T. 0.00 min

Lab File: BM000873.D

Acq: 07 Apr 2015 11:04

Tgt Ion:	244	Resp:	1555
Ion Ratio	Lower	Upper	
244	100		
212	12.8	8.1	12.1#
122	15.9	13.6	20.4





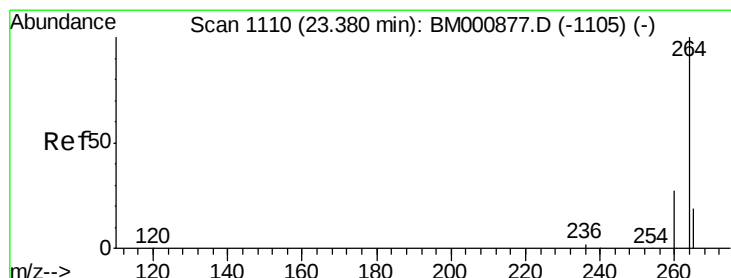
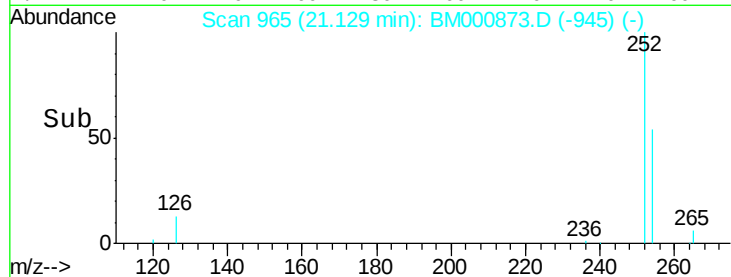
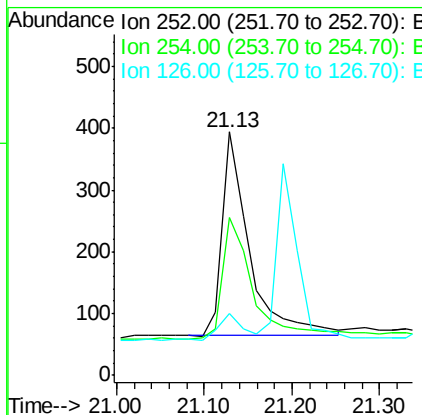
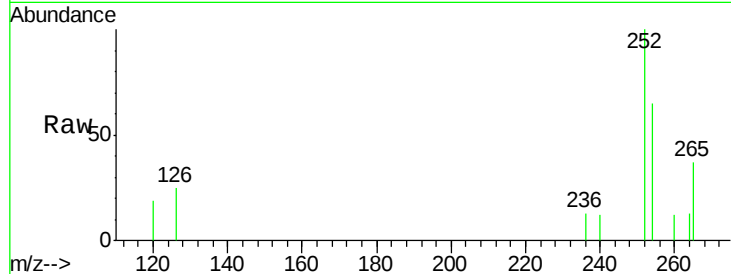
#33
 3,3'-Dichlorobenzidine
 Concen: 0.08 ng
 RT: 21.13 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: BM000873.D
 Acq: 07 Apr 2015 11:04

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.1

Tot Ion	Ratio	Lower	Upper
252	100		
254	64.7	43.2	64.8
126	25.1	15.5	23.3

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#34
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.39 min Scan# 1111
 Delta R.T. 0.01 min
 Lab File: BM000873.D
 Acq: 07 Apr 2015 11:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	21.6	32.4
265	21.8	16.1	24.1

