

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040715\
 Data File : BM000900.D
 Acq On : 08 Apr 2015 04:20
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Manual Integrations
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 4/9/2015 8:11:54 AM

Quant Time: Apr 08 06:04:23 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 15:59:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	16887	5.00	ng	-0.04
11) Naphthalene-d8	10.37	136	83268	5.00	ng	-0.03
19) Acenaphthene-d10	14.26	164	45706	5.00	ng	0.00
26) Phenanthrene-d10	17.00	188	114946	5.00	ng	0.00
30) Chrysene-d12	21.19	240	86666	5.00	ng	0.00
34) Perylene-d12	23.39	264	77968	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	5588	0.99	ng	0.00
5) Phenol-d6	6.77	99	8704	0.94	ng	0.00
12) Nitrobenzene-d5	8.73	82	4010	0.97	ng	-0.04
20) 2,4,6-Tribromophenol	15.77	330	1203	0.90	ng	0.02
23) 2-Fluorobiphenyl	12.87	172	14034	1.00	ng	0.00
32) Terphenyl-d14	19.65	244	10710	1.00	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.12	88	2734	1.01	ng	96
3) n-Nitrosodimethylamine	3.44	42	2431	0.94	ng	88
6) 2-Chlorophenol	7.17	128	7371	0.99	ng	92
7) Phenol	6.81	94	6060	0.86	ng	97
8) bis(2-Chloroethyl)ether	7.02	93	7359	0.98	ng	# 74
9) 2-Methylphenol	8.06	107	4406	0.85	ng	96
10) 3+4-Methylphenols	8.38	107	6253	0.90	ng	95
13) Nitrobenzene	8.80	77	3704	0.89	ng	# 76
14) 2-Nitrophenol	9.52	139	1796m	0.79	ng	
15) 2,4-Dimethylphenol	9.58	122	4412	0.92	ng	94
16) 2,4-Dichlorophenol	10.04	162	4775	0.97	ng	93
17) Hexachlorobutadiene	10.72	225	4152	1.09	ng	97
18) 4-Chloro-3-methylphenol	11.67	107	4407	0.95	ng	97
21) 2,4,6-Trichlorophenol	12.69	196	2711	0.95	ng	91
22) 2,4,5-Trichlorophenol	12.75	196	3414	0.95	ng	91
25) 4-Nitrophenol	14.49	139	586	0.88	ng	88
27) 4,6-Dinitro-2-methylphenol	15.39	198	782m	0.77	ng	
28) Hexachlorobenzene	16.31	284	4406	0.86	ng	# 29
29) Pentachlorophenol	16.67	266	664	0.96	ng	93
31) Benzidine	19.28	184	3688	0.94	ng	98
33) 3,3'-Dichlorobenzidine	21.13	252	5405	0.93	ng	# 77

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

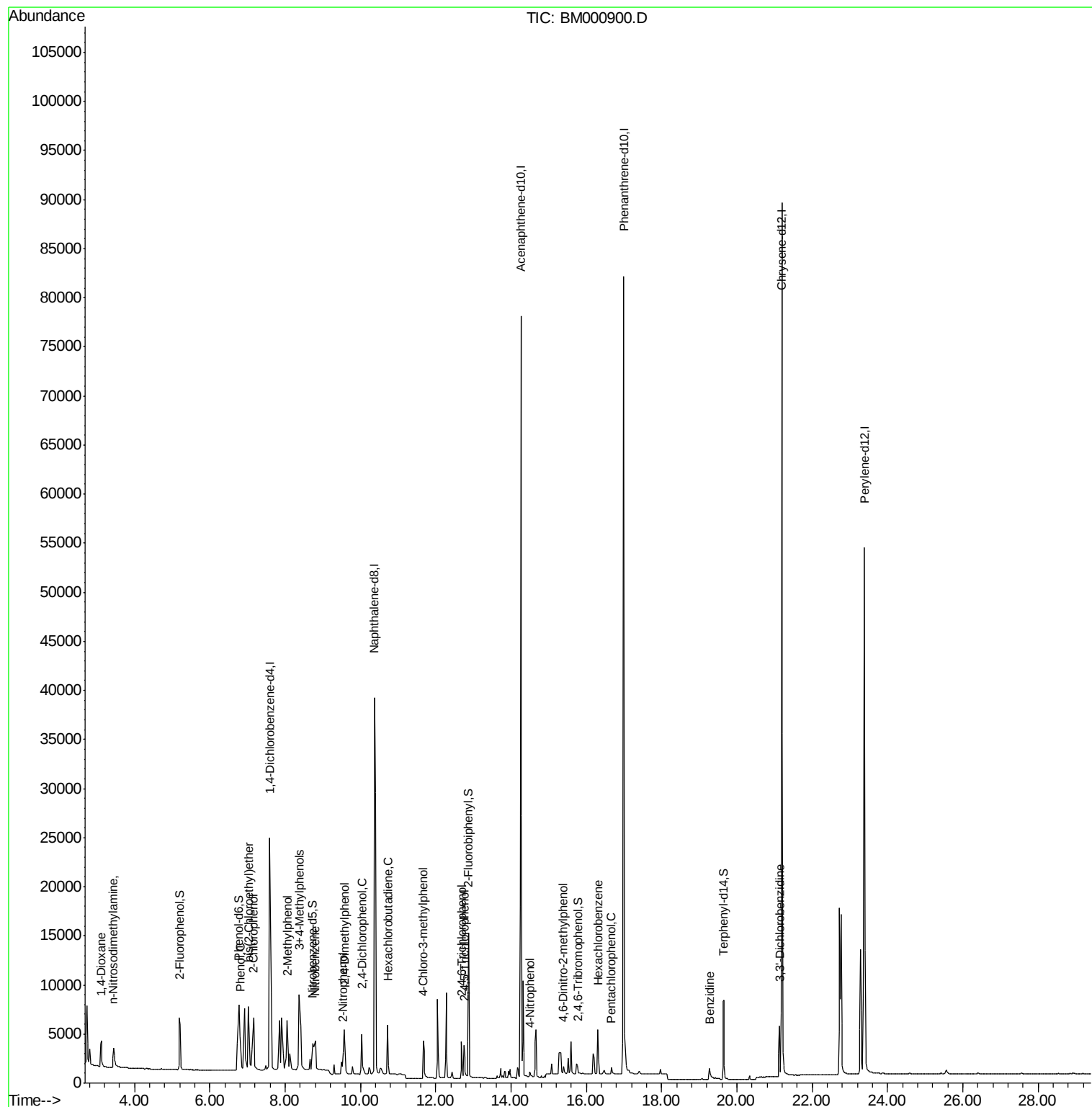
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040715\
Data File : BM000900.D
Acq On : 08 Apr 2015 04:20
Operator : TP/IZ
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#1

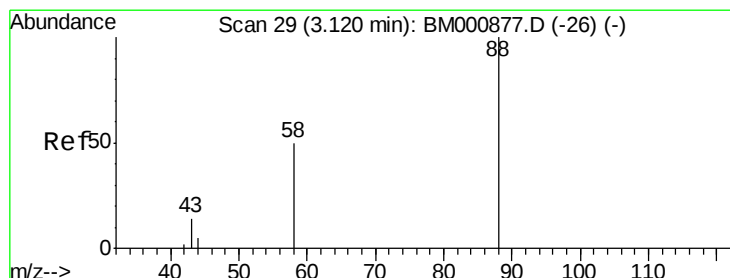
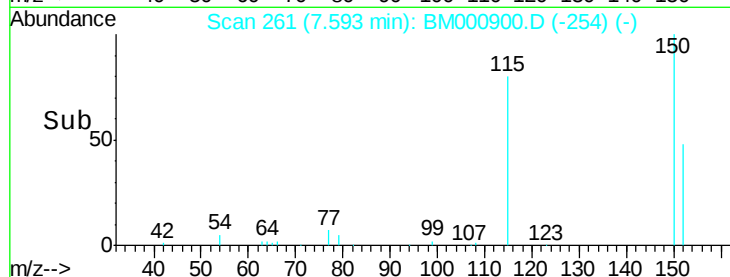
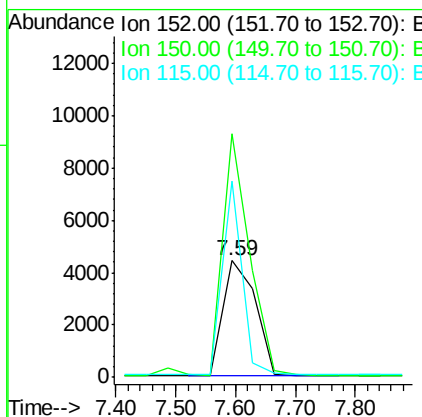
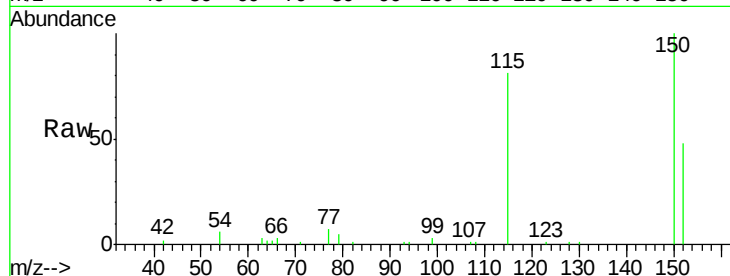
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.59 min Scan# 261
Delta R.T. -0.04 min
Lab File: BM000900.D
Acq: 08 Apr 2015 04:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
152	100		
150	208.5	96.5	144.7#
115	168.3	11.9	17.9#

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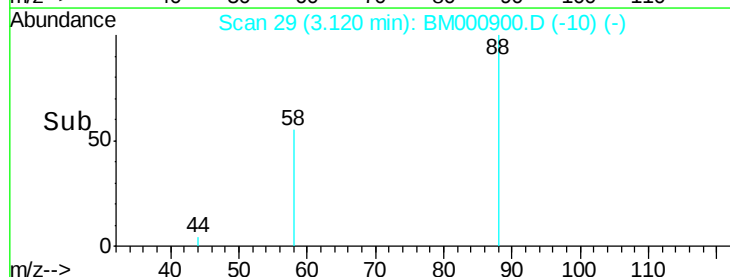
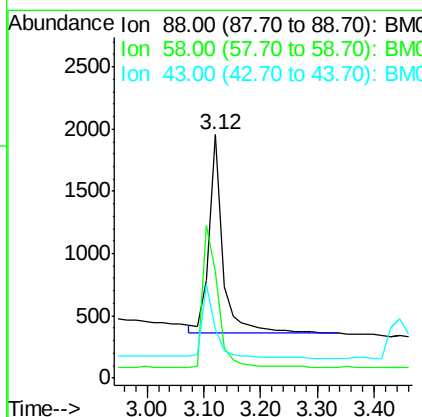
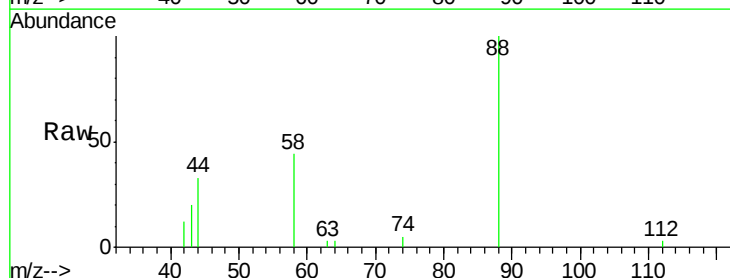
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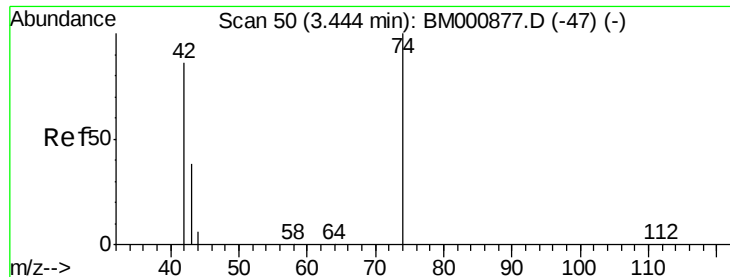


#2

1,4-Dioxane
Concen: 1.01 ng
RT: 3.12 min Scan# 29
Delta R.T. 0.00 min
Lab File: BM000900.D
Acq: 08 Apr 2015 04:20

Tgt Ion	Ratio	Lower	Upper
88	100		
58	75.0	56.7	85.1
43	32.9	25.0	37.6





#3

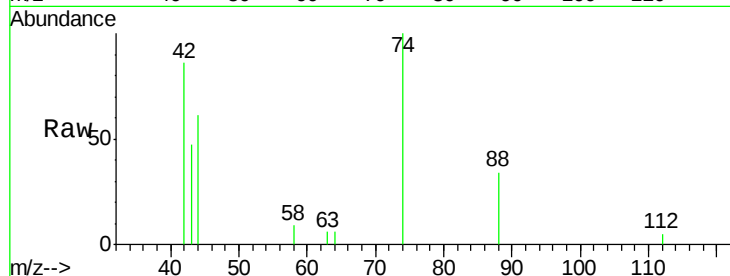
n-Nitrosodimethylamine
 Concen: 0.94 ng
 RT: 3.44 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: BM000900.D
 Acq: 08 Apr 2015 04:20

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

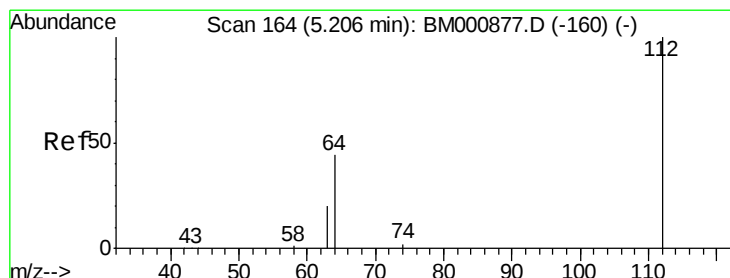
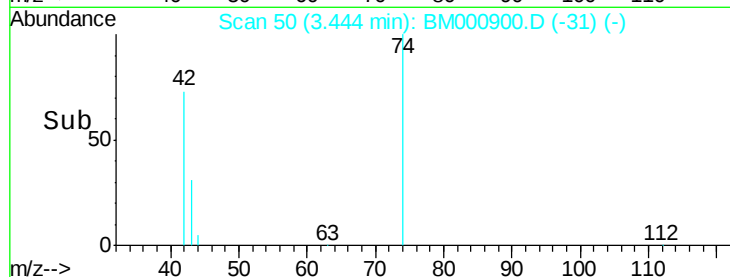
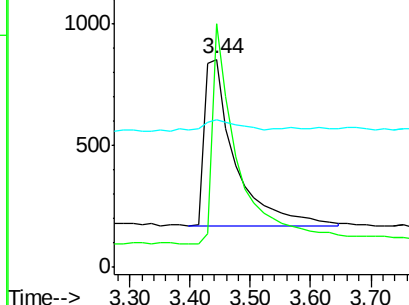
Tot Ion	Ratio	Lower	Upper
42	100		
74	117.0	81.0	121.4
44	71.0	53.3	79.9

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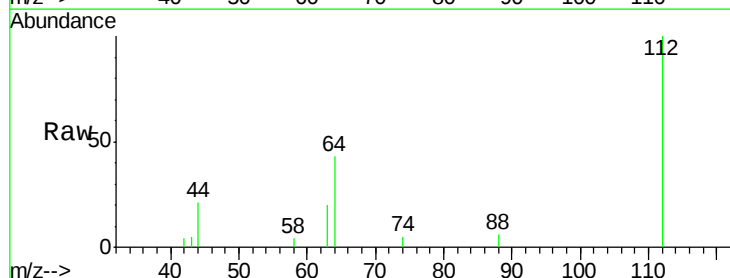
Abundance Ion 42.00 (41.70 to 42.70): BM0
 Ion 74.00 (73.70 to 74.70): BM0
 Ion 44.00 (43.70 to 44.70): BM0



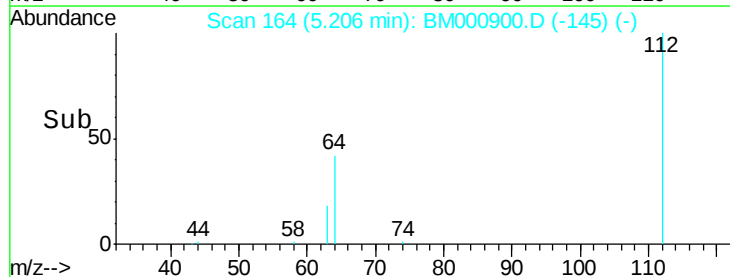
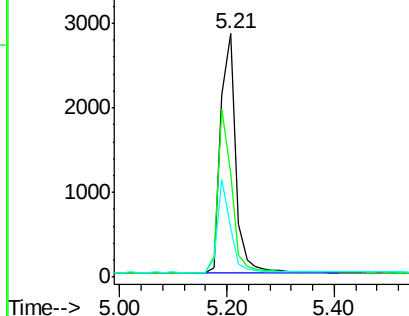
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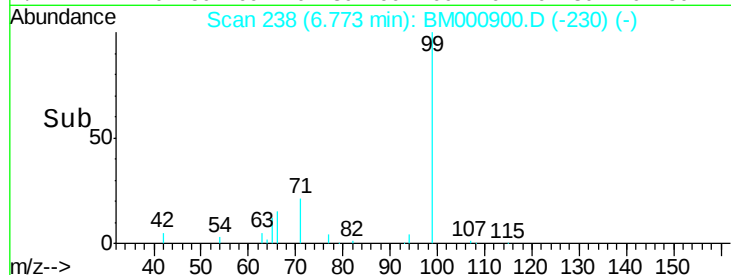
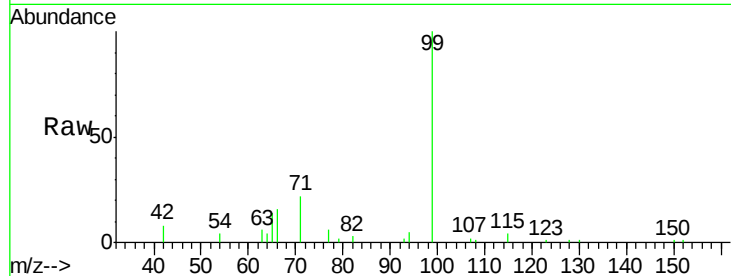
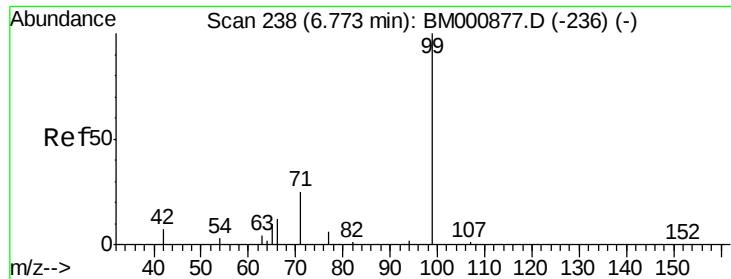
2-Fluorophenol
 Concen: 0.99 ng
 RT: 5.21 min Scan# 164
 Delta R.T. 0.00 min
 Lab File: BM000900.D
 Acq: 08 Apr 2015 04:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	43.0	35.7	53.5
63	20.0	17.0	25.4



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BM0
 Ion 63.00 (62.70 to 63.70): BM0





#5

Phenol-d6

Concen: 0.94 ng

RT: 6.77 min Scan# 238

Delta R.T. 0.00 min

Lab File: BM000900.D

Acq: 08 Apr 2015 04:20

Tot Ion:	99	Resp:	8704
Ion	Ratio	Lower	Upper
99	100		
42	7.6	7.5	11.3
71	22.3	21.3	31.9

Instrument :

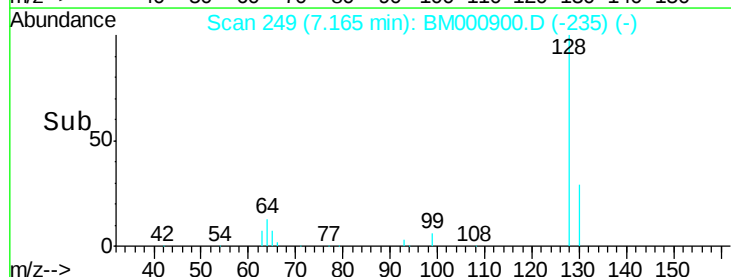
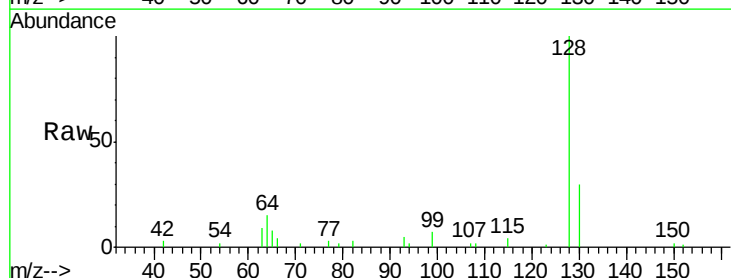
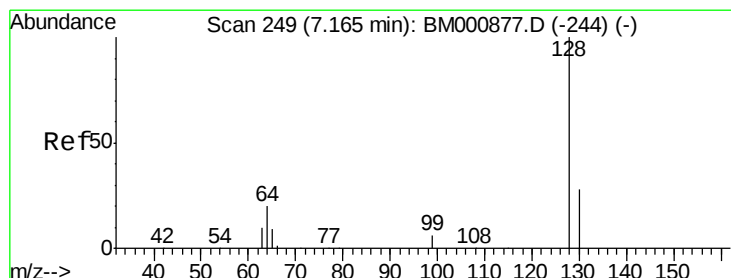
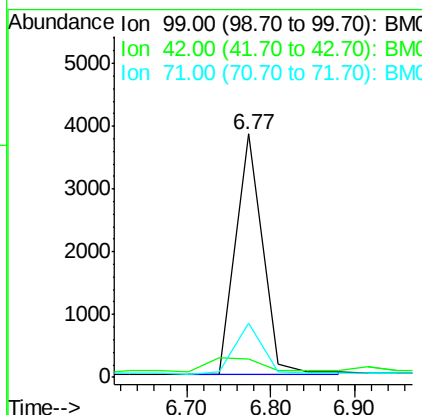
BNA_M

ClientSampleId :

SSTDCCC001EC

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#6

2-Chlorophenol

Concen: 0.99 ng

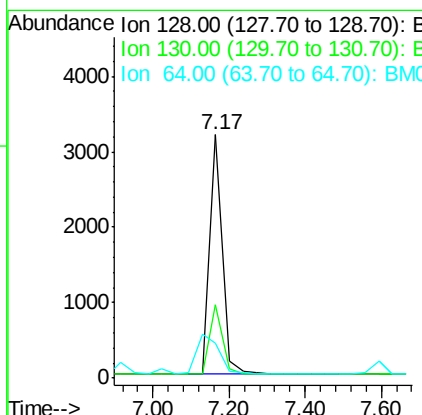
RT: 7.17 min Scan# 249

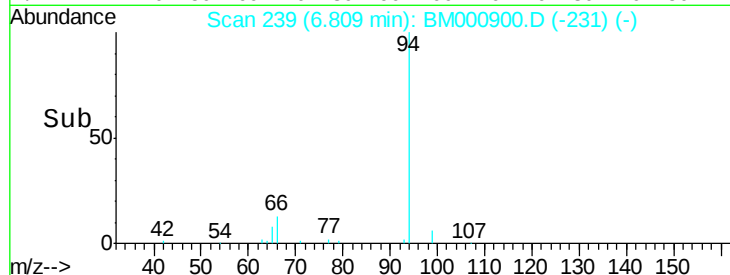
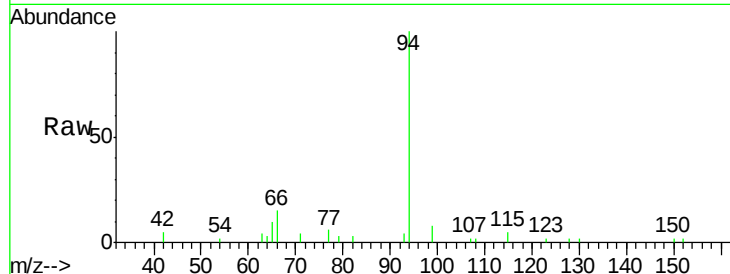
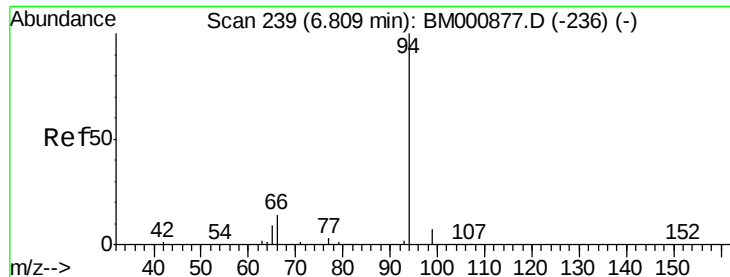
Delta R.T. 0.00 min

Lab File: BM000900.D

Acq: 08 Apr 2015 04:20

Tgt Ion:	128	Resp:	7371
Ion	Ratio	Lower	Upper
128	100		
130	30.1	9.4	49.4
64	14.6	2.1	42.1





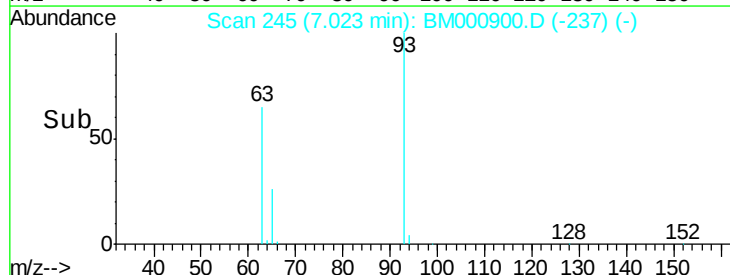
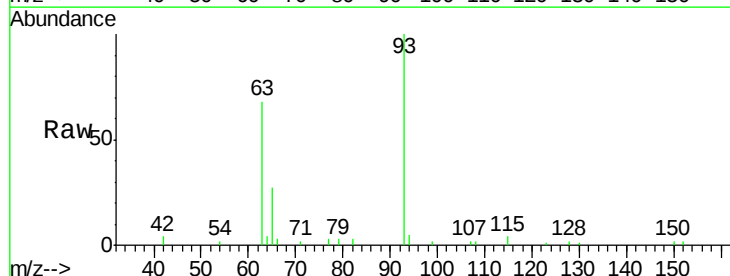
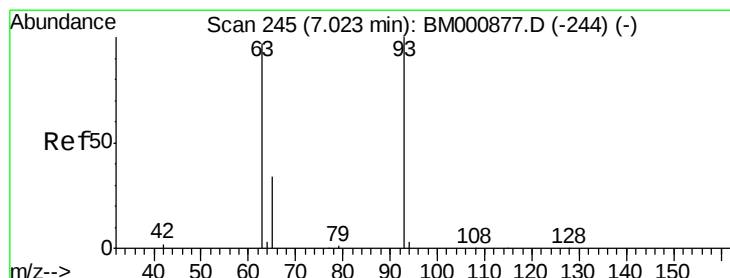
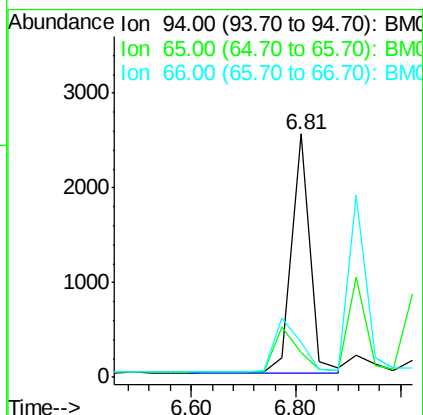
#7
Phenol
Concen: 0.86 ng
RT: 6.81 min Scan# 239
Delta R.T. 0.00 min
Lab File: BM000900.D
Acq: 08 Apr 2015 04:20

Tot Ion:	94	Resp:	6060
Ion	Ratio	Lower	Upper
94	100		
65	10.2	0.0	30.9
66	14.5	0.0	35.8

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

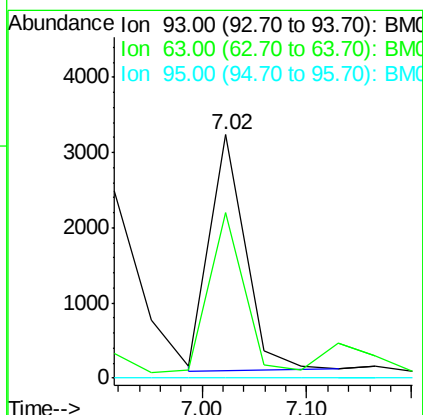
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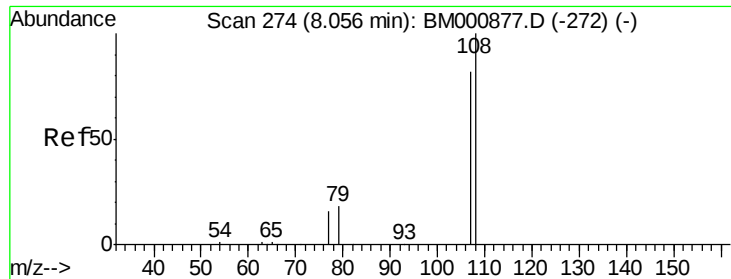
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#8
bis(2-Chloroethyl)ether
Concen: 0.98 ng
RT: 7.02 min Scan# 245
Delta R.T. 0.00 min
Lab File: BM000900.D
Acq: 08 Apr 2015 04:20

Tgt Ion:	93	Resp:	7359
Ion	Ratio	Lower	Upper
93	100		
63	67.8	73.3	113.3#
95	0.0	0.0	20.0





#9

2-Methylphenol

Concen: 0.85 ng

RT: 8.06 min Scan# 274

Delta R.T. 0.00 min

Lab File: BM000900.D

Acq: 08 Apr 2015 04:20

Instrument :

BNA_M

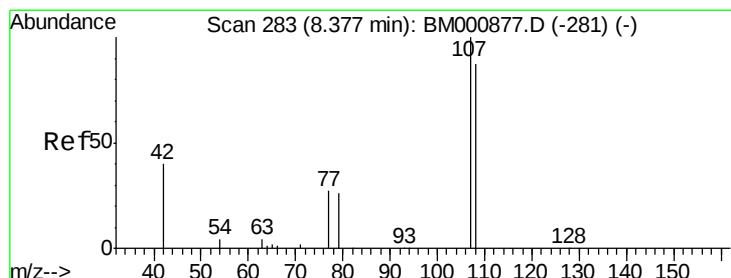
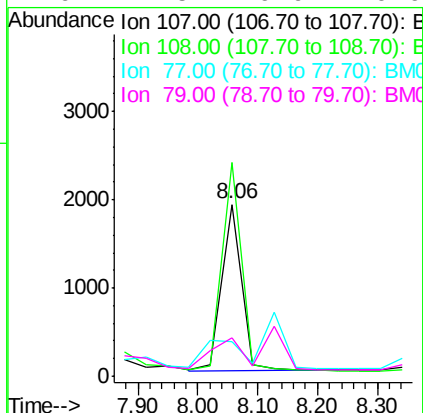
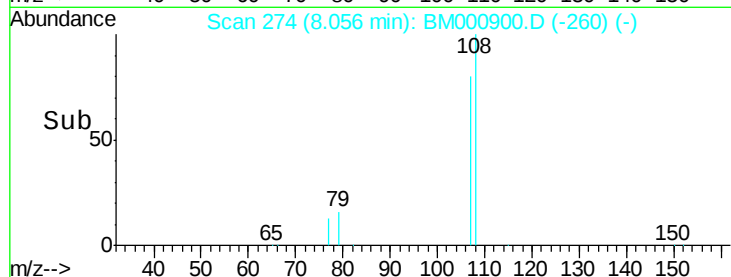
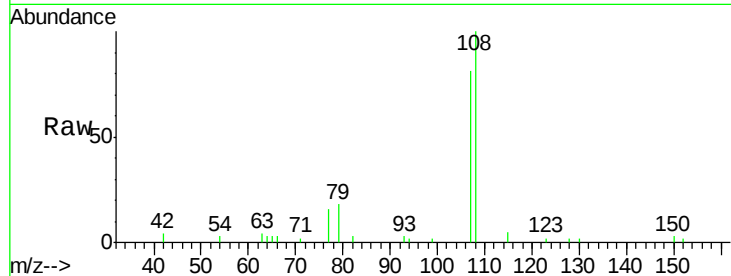
ClientSampleId :

SSTDCCC001EC

Tot Ion:	107	Resp:	4406
Ion	Ratio	Lower	Upper
107	100		
108	124.1	96.7	145.1
77	19.9	18.3	27.5
79	22.5	19.9	29.9

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#10

3+4-Methylphenols

Concen: 0.90 ng

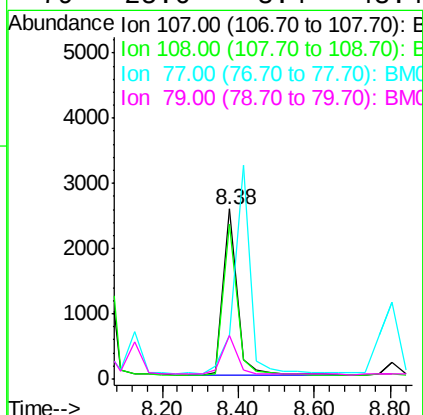
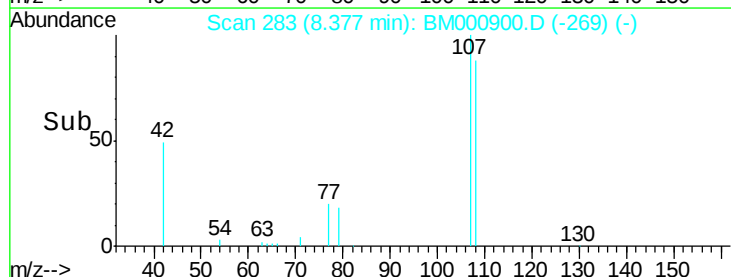
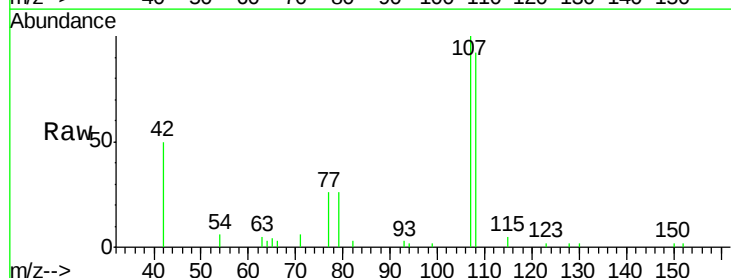
RT: 8.38 min Scan# 283

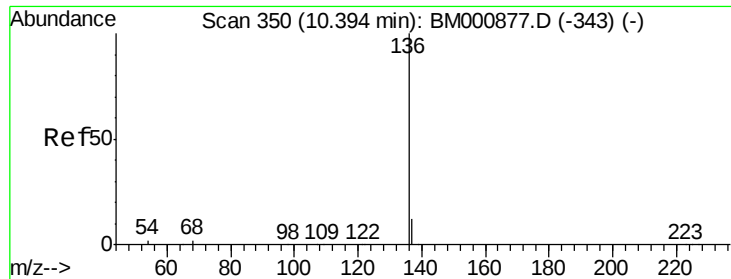
Delta R.T. 0.00 min

Lab File: BM000900.D

Acq: 08 Apr 2015 04:20

Tgt Ion:	107	Resp:	6253
Ion	Ratio	Lower	Upper
107	100		
108	91.7	67.6	107.6
77	25.6	10.0	50.0
79	25.6	8.4	48.4





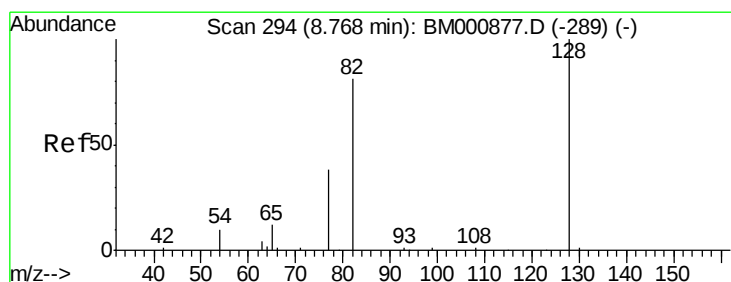
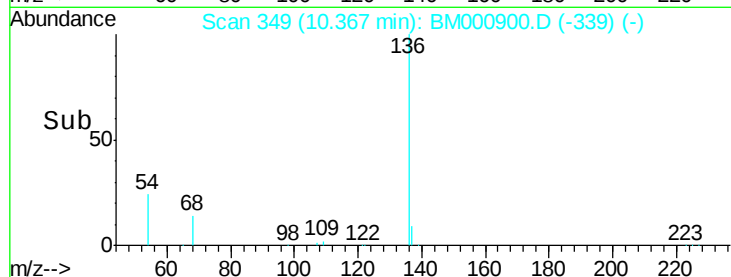
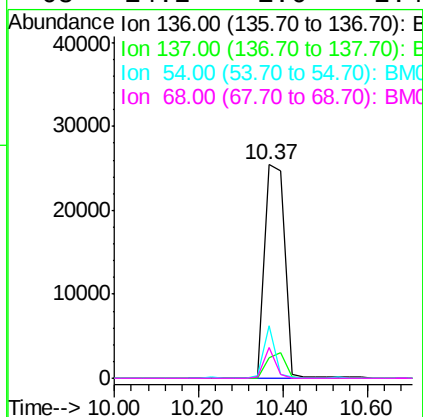
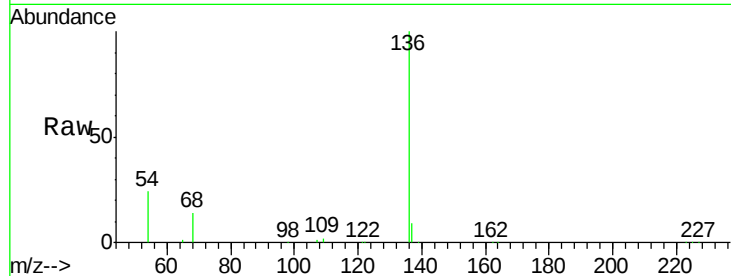
#11
Naphthalene-d8
Concen: 5.00 ng
RT: 10.37 min Scan# 349
Delta R.T. -0.03 min
Lab File: BM000900.D
Acq: 08 Apr 2015 04:20

Instrument :
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ClientSampleId :
SSTDCCC001EC

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	9.4	9.6	14.4#	
54	24.5	1.5	2.3#	
68	14.2	1.6	2.4#	

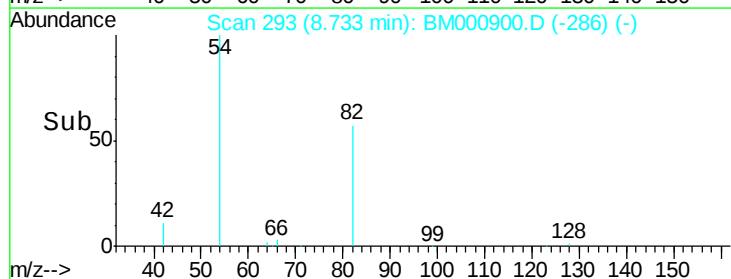
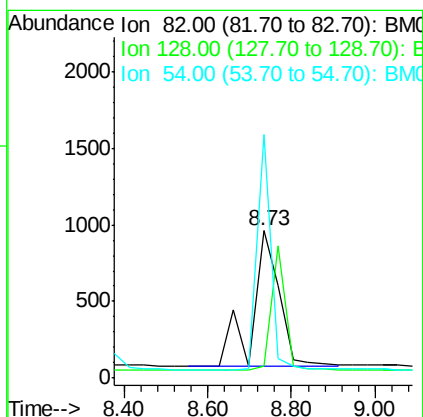
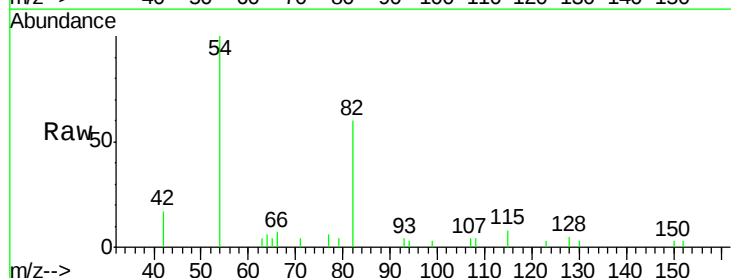
Manual Integrations
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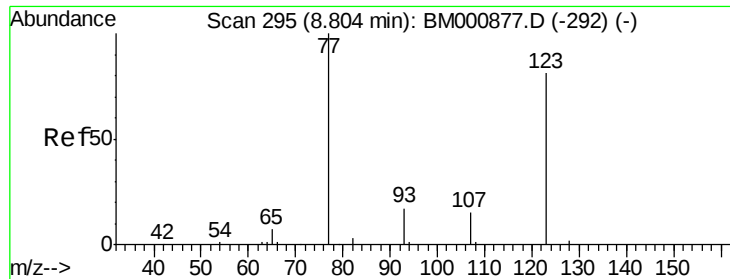
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#12
Nitrobenzene-d5
Concen: 0.97 ng
RT: 8.73 min Scan# 293
Delta R.T. -0.04 min
Lab File: BM000900.D
Acq: 08 Apr 2015 04:20

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	7.7	96.2	144.2#	
54	165.5	15.0	22.6#	





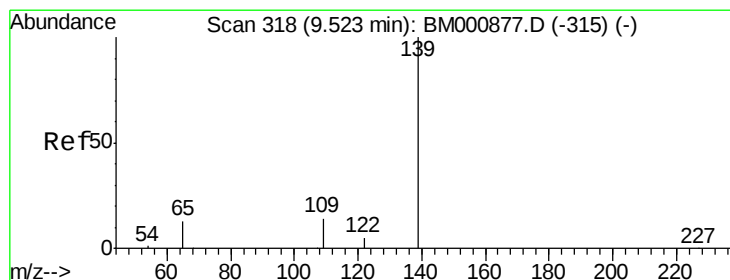
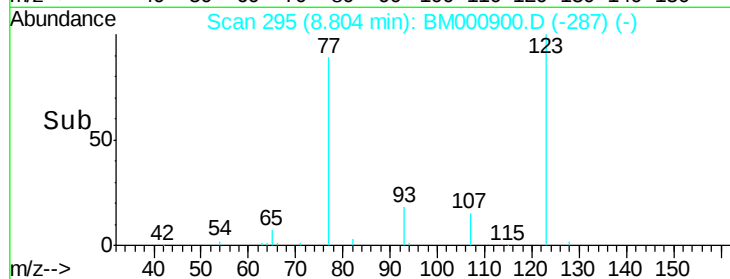
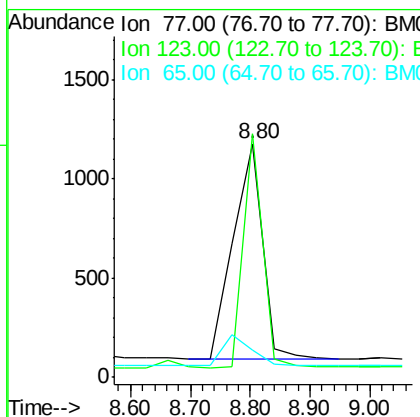
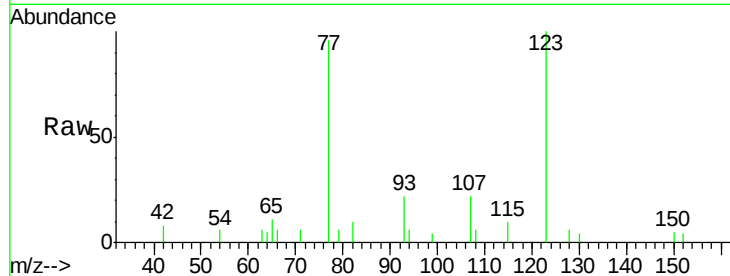
#13
Nitrobenzene
Concen: 0.89 ng
RT: 8.80 min Scan# 295
Delta R.T. 0.00 min
Lab File: BM000900.D
Acq: 08 Apr 2015 04:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
77	100		
123	104.2	64.0	96.0#
65	11.8	8.7	13.1

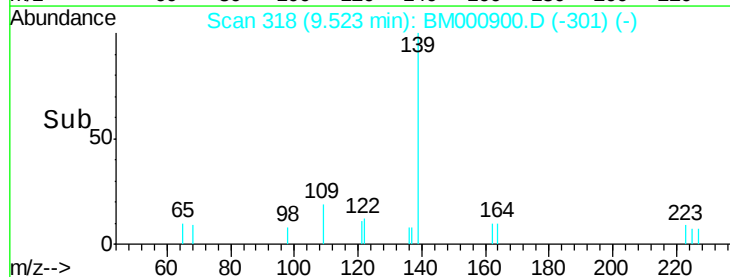
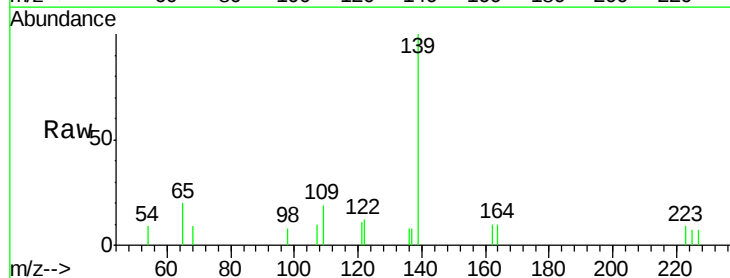
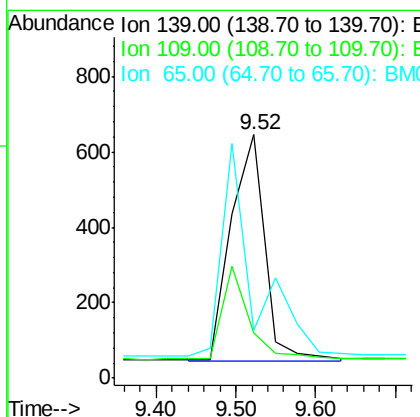
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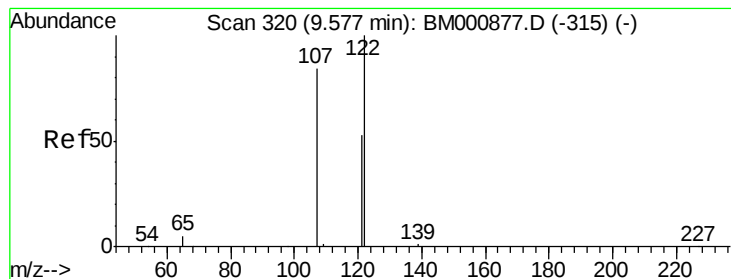
apatel
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#14
2-Nitrophenol
Concen: 0.79 ng m
RT: 9.52 min Scan# 318
Delta R.T. 0.00 min
Lab File: BM000900.D
Acq: 08 Apr 2015 04:20

Tgt Ion	Ratio	Lower	Upper
139	100		
109	18.7	15.8	23.8
65	19.7	16.2	24.2





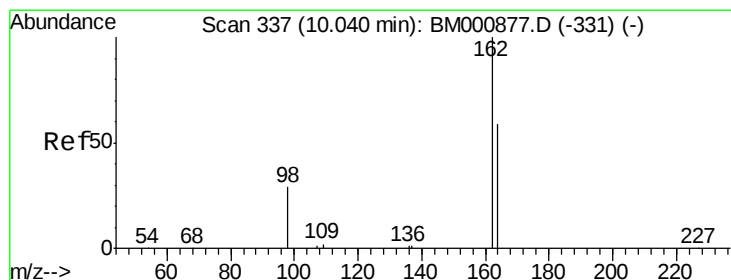
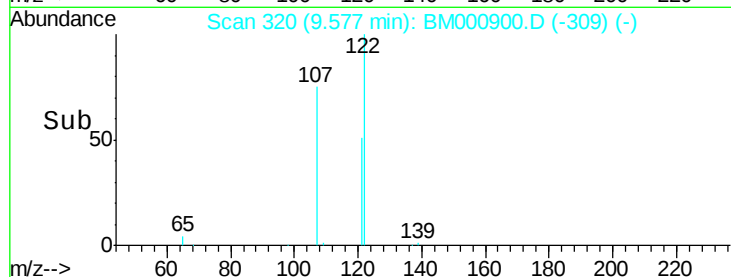
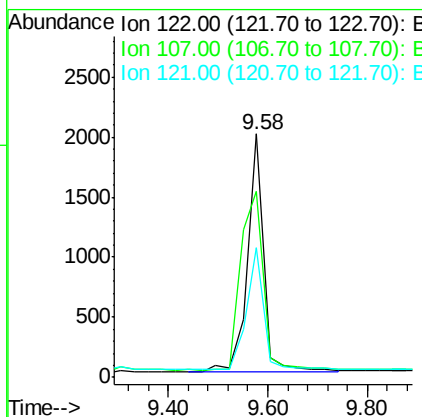
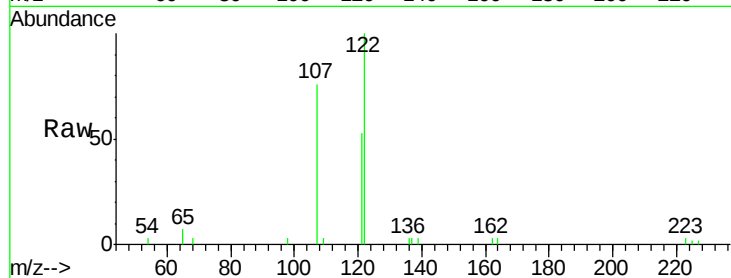
#15
 2,4-Dimethylphenol
 Concen: 0.92 ng
 RT: 9.58 min Scan# 320
 Delta R.T. 0.00 min
 Lab File: BM000900.D
 Acq: 08 Apr 2015 04:20

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
122	100		
107	76.3	67.4	101.2
121	53.4	43.5	65.3

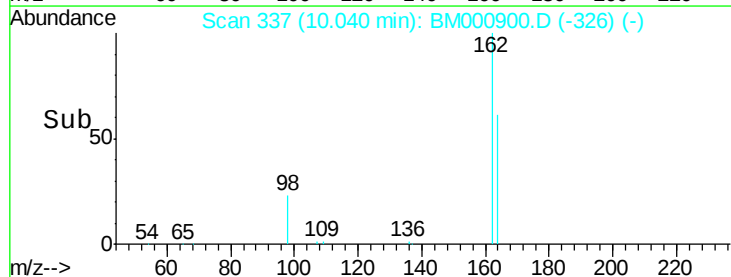
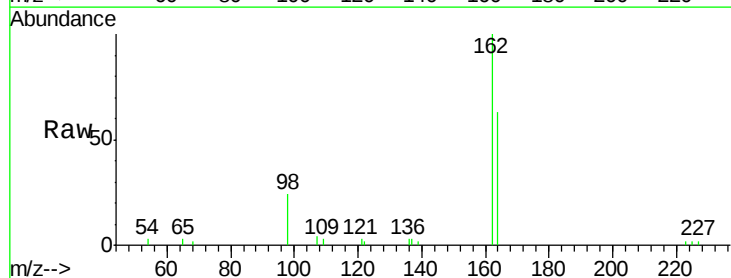
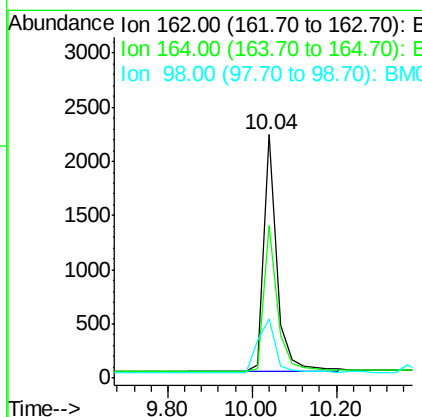
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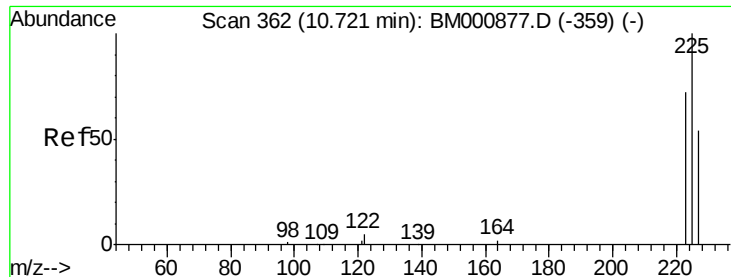
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#16
 2,4-Dichlorophenol
 Concen: 0.97 ng
 RT: 10.04 min Scan# 337
 Delta R.T. 0.00 min
 Lab File: BM000900.D
 Acq: 08 Apr 2015 04:20

Tgt Ion	Ratio	Lower	Upper
162	100		
164	62.6	39.9	79.9
98	24.3	11.3	51.3





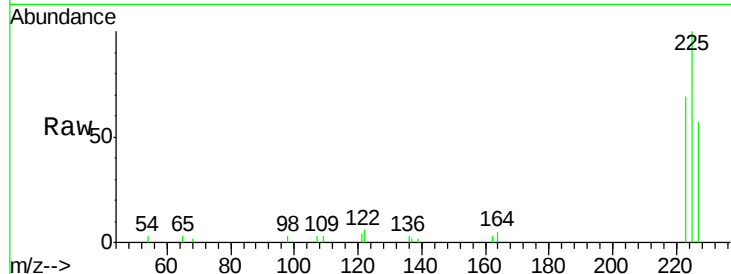
#17
Hexachlorobutadiene
Concen: 1.09 ng
RT: 10.72 min Scan# 362
Delta R.T. 0.00 min
Lab File: BM000900.D
Acq: 08 Apr 2015 04:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

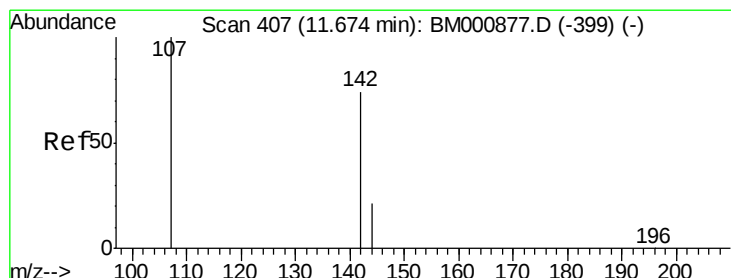
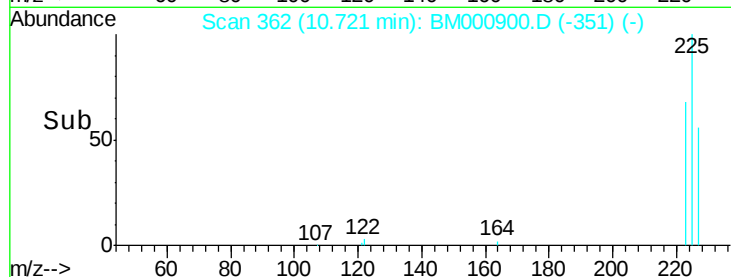
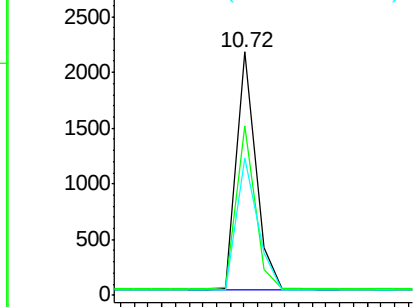
Tot Ion:	225	Resp:	4152
Ion Ratio	Lower	Upper	
225	100		
223	69.5	58.3	87.5
227	56.5	44.5	66.7

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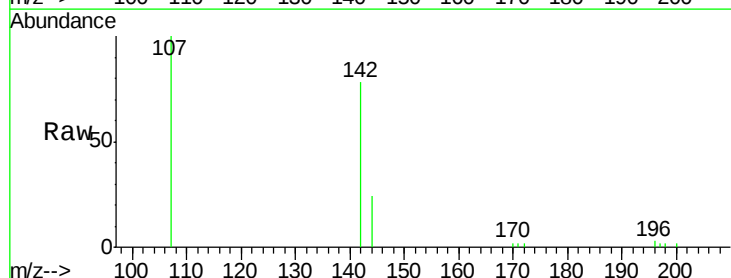


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

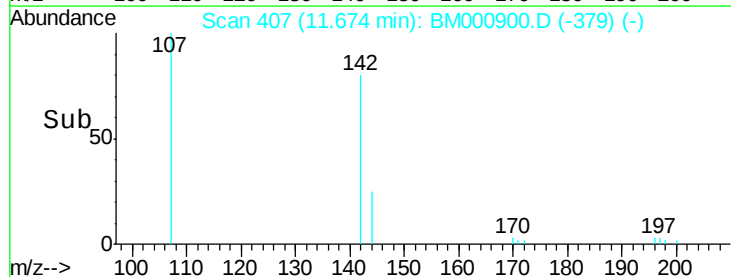
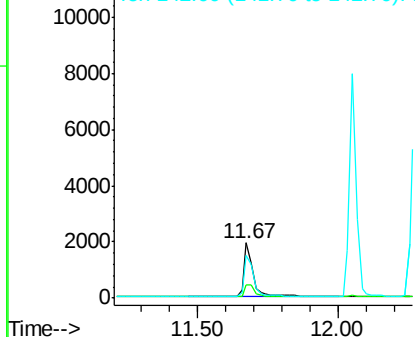


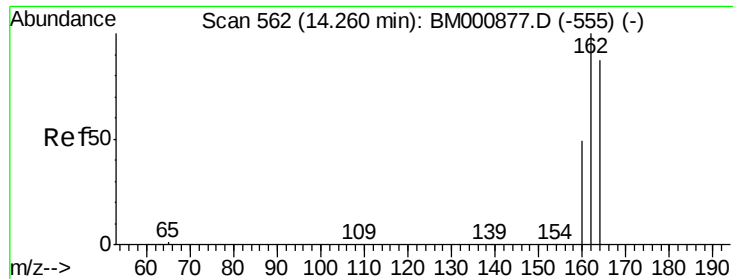
#18
4-Chloro-3-methylphenol
Concen: 0.95 ng
RT: 11.67 min Scan# 407
Delta R.T. 0.00 min
Lab File: BM000900.D
Acq: 08 Apr 2015 04:20

Tgt Ion:	107	Resp:	4407
Ion Ratio	Lower	Upper	
107	100		
144	24.2	18.4	27.6
142	77.7	59.9	89.9



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E





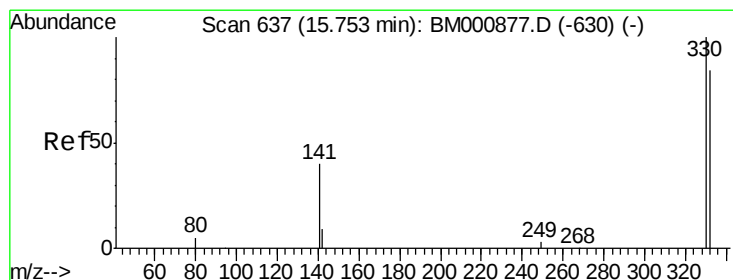
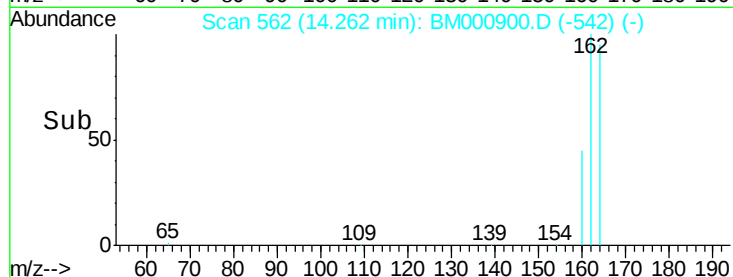
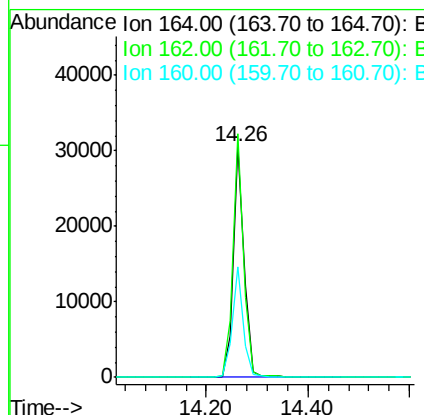
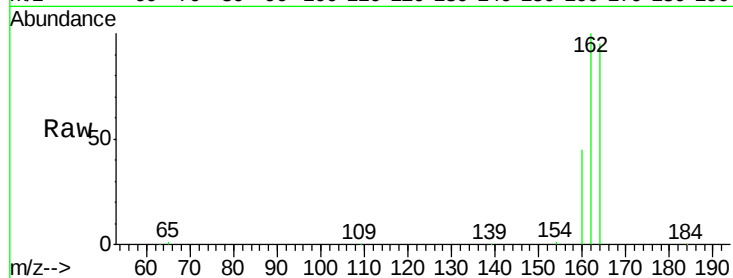
#19
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.26 min Scan# 562
Delta R.T. 0.00 min
Lab File: BM000900.D
Acq: 08 Apr 2015 04:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.7	91.8	137.6
160	47.8	44.6	67.0

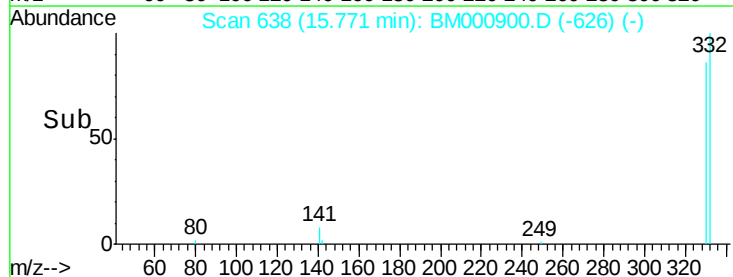
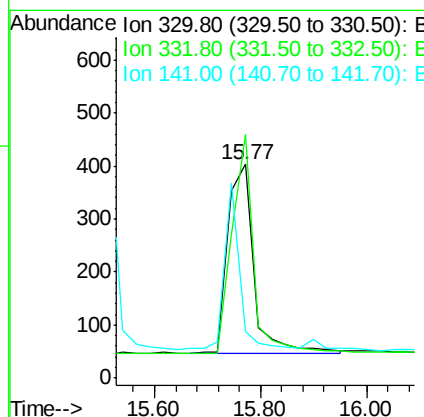
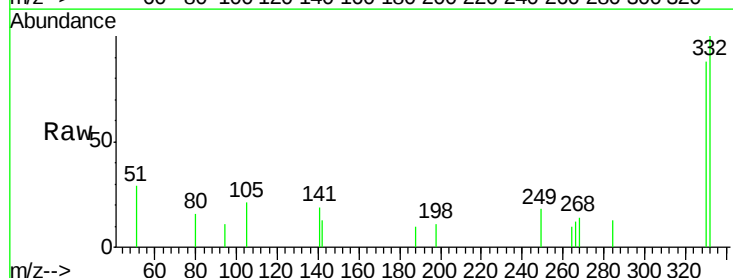
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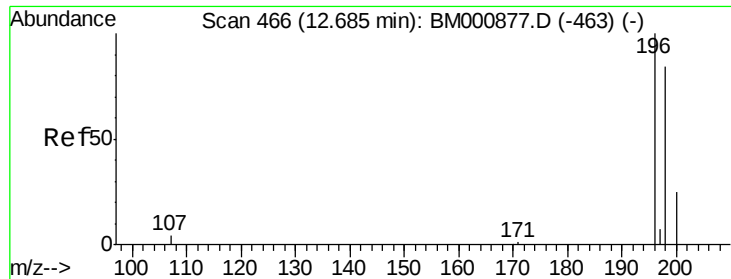
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#20
2,4,6-Tribromophenol
Concen: 0.90 ng
RT: 15.77 min Scan# 638
Delta R.T. 0.02 min
Lab File: BM000900.D
Acq: 08 Apr 2015 04:20

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	72.6	109.0
141	0.0	29.8	44.6#





#21

2,4,6-Trichlorophenol

Concen: 0.95 ng

RT: 12.69 min Scan# 466

Delta R.T. 0.00 min

Lab File: BM000900.D

Acq: 08 Apr 2015 04:20

Instrument :

BNA_M

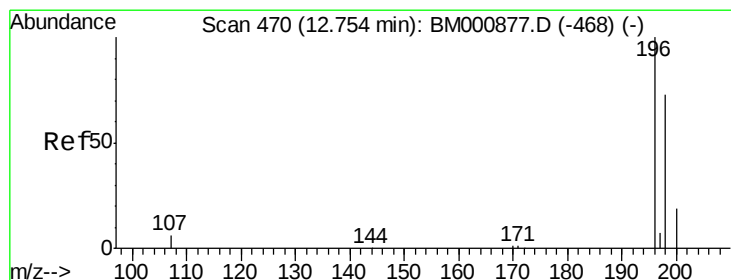
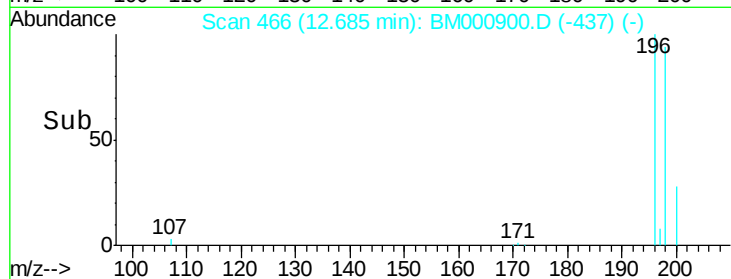
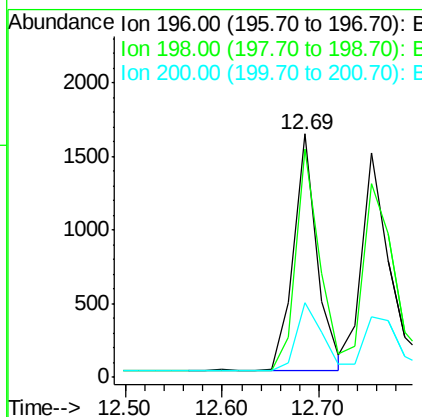
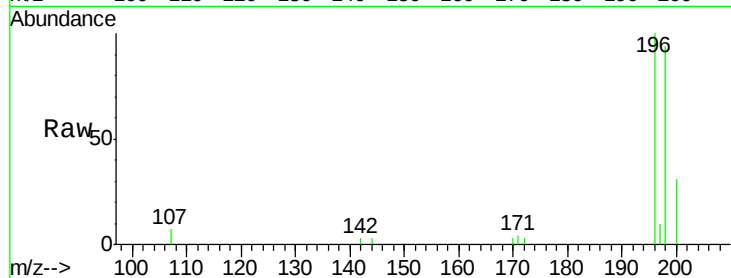
ClientSampleId :

SSTDCCC001EC

Tot Ion:	196	Resp:	2711
Ion Ratio	Lower	Upper	
196	100		
198	93.7	67.5	101.3
200	30.6	22.1	33.1

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#22

2,4,5-Trichlorophenol

Concen: 0.95 ng

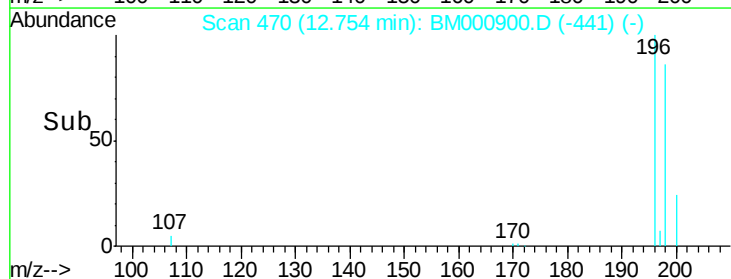
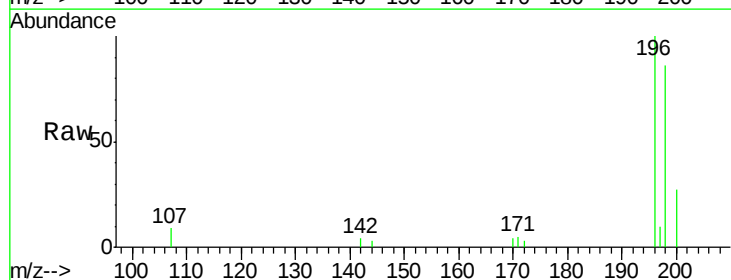
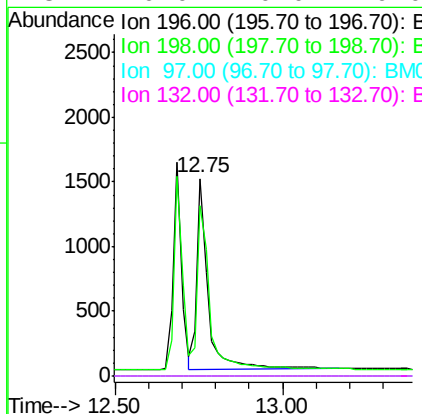
RT: 12.75 min Scan# 470

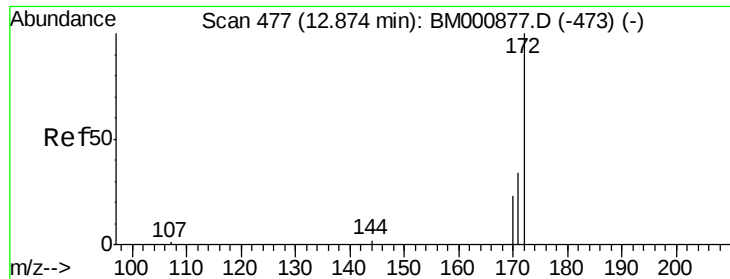
Delta R.T. 0.00 min

Lab File: BM000900.D

Acq: 08 Apr 2015 04:20

Tgt Ion:	196	Resp:	3414
Ion Ratio	Lower	Upper	
196	100		
198	86.4	62.7	94.1
97	0.0	0.0	0.0
132	0.0	0.0	0.0





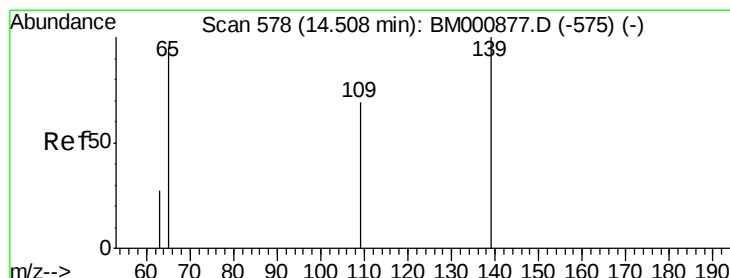
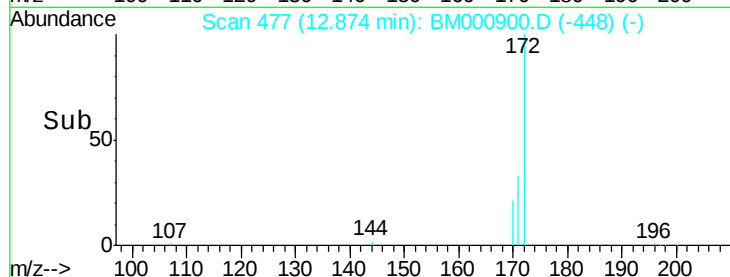
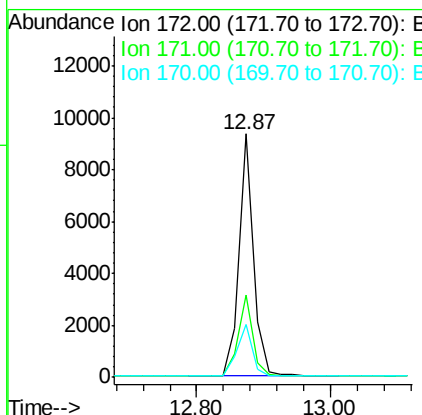
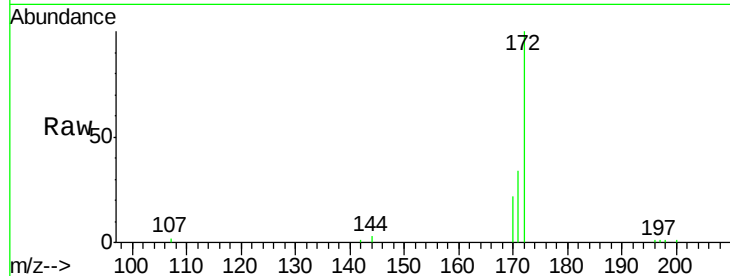
#23
2-Fluorobiphenyl
Concen: 1.00 ng
RT: 12.87 min Scan# 477
Delta R.T. 0.00 min
Lab File: BM000900.D
Acq: 08 Apr 2015 04:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.8	27.8	41.8
170	21.7	19.0	28.6

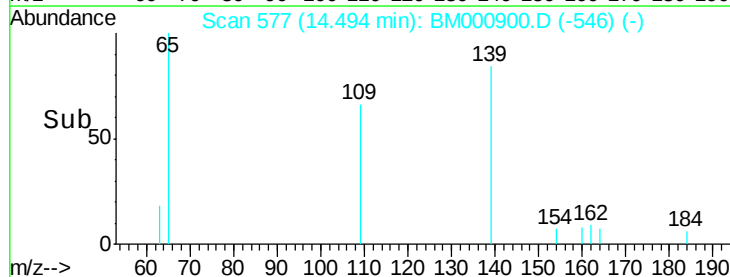
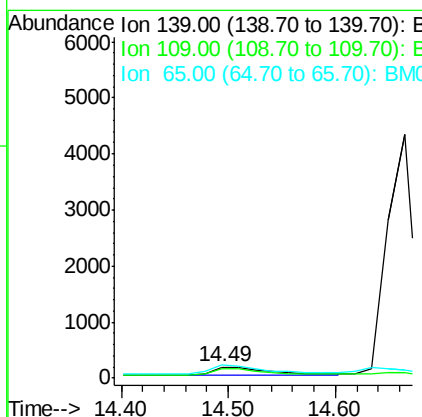
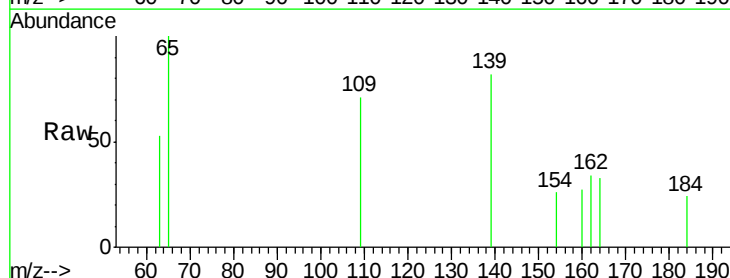
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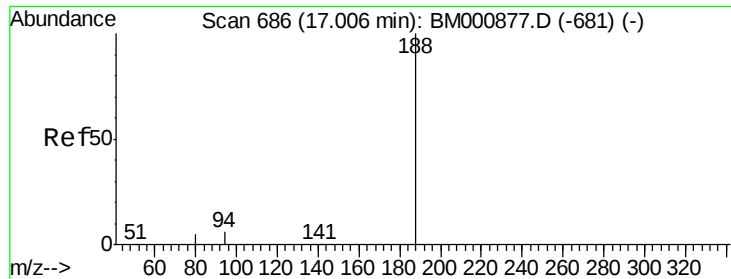
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#25
4-Nitrophenol
Concen: 0.88 ng
RT: 14.49 min Scan# 577
Delta R.T. -0.01 min
Lab File: BM000900.D
Acq: 08 Apr 2015 04:20

Tgt Ion	Ratio	Lower	Upper
139	100		
109	86.5	58.4	98.4
65	122.0	87.7	127.7





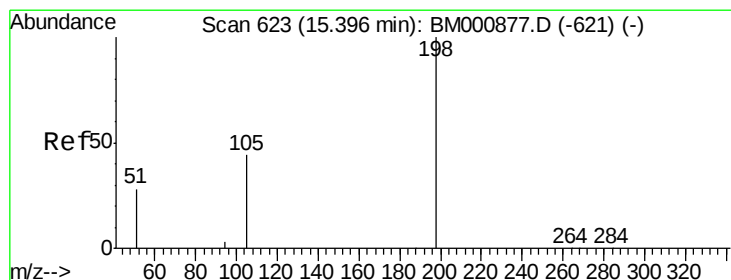
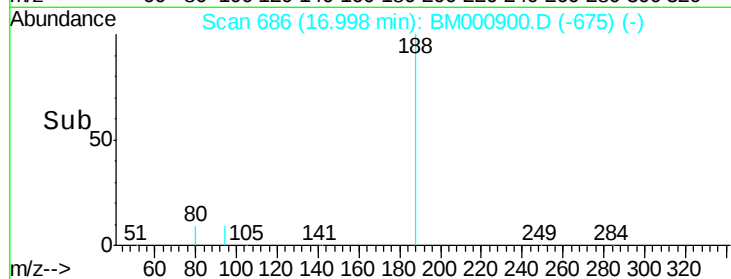
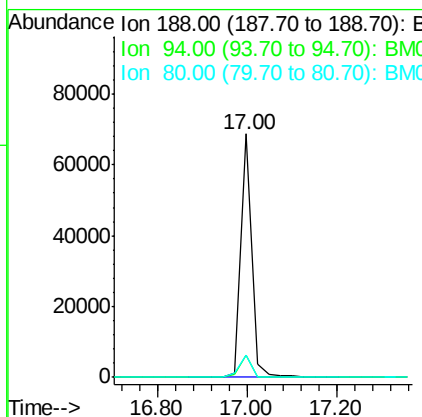
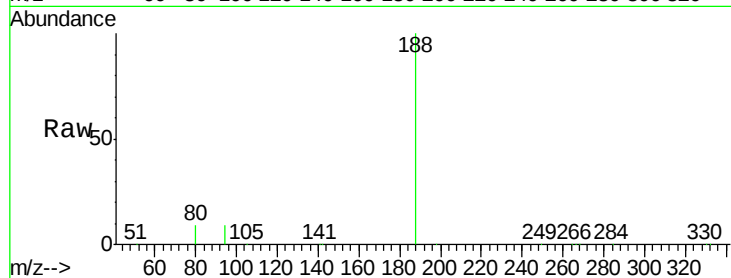
#26
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.00 min Scan# 686
Delta R.T. -0.01 min
Lab File: BM000900.D
Acq: 08 Apr 2015 04:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.0	4.9	7.3#
80	9.0	4.4	6.6#

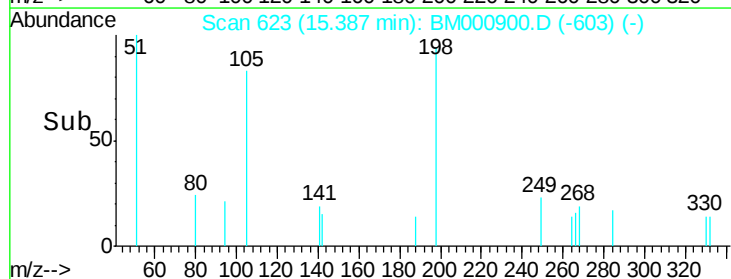
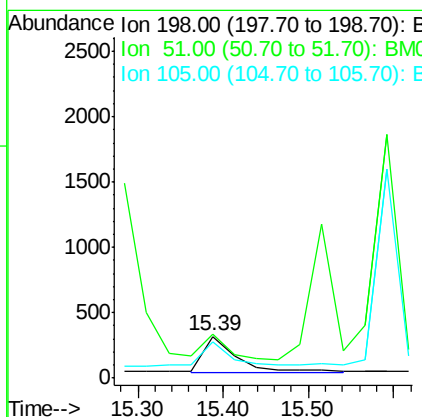
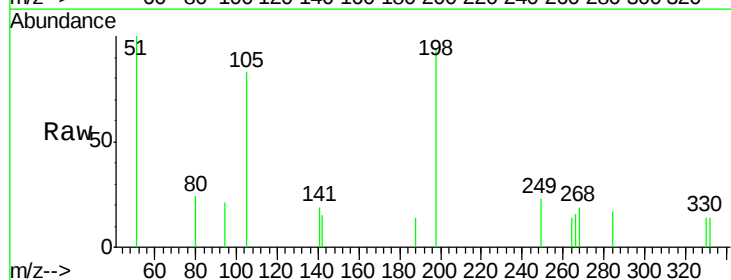
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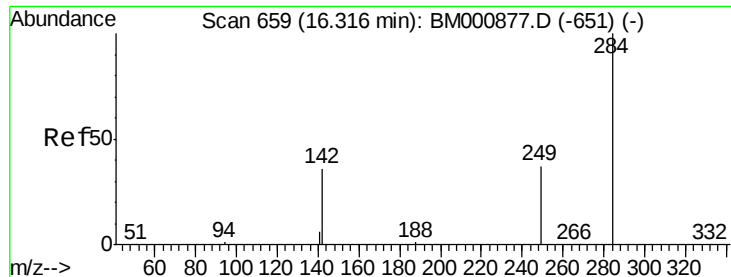
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#27
4,6-Dinitro-2-methylphenol
Concen: 0.77 ng m
RT: 15.39 min Scan# 623
Delta R.T. -0.01 min
Lab File: BM000900.D
Acq: 08 Apr 2015 04:20

Tgt Ion	Ratio	Resp Lower	Upper
198	100		
51	105.9	44.6	84.6#
105	88.1	36.0	76.0#





#28

Hexachlorobenzene

Concen: 0.86 ng

RT: 16.31 min Scan# 659

Delta R.T. -0.01 min

Lab File: BM000900.D

Acq: 08 Apr 2015 04:20

Instrument :

BNA_M

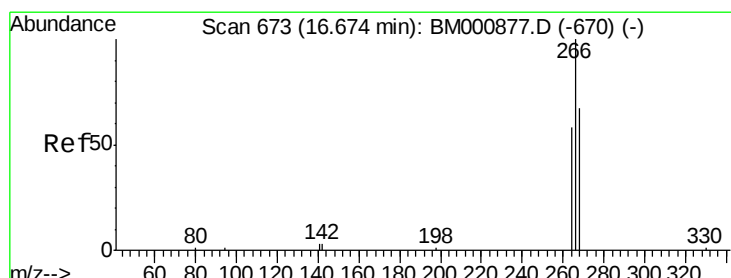
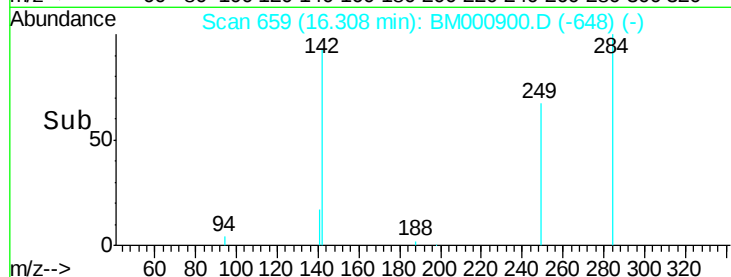
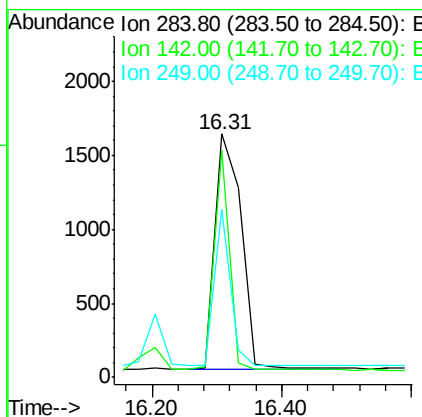
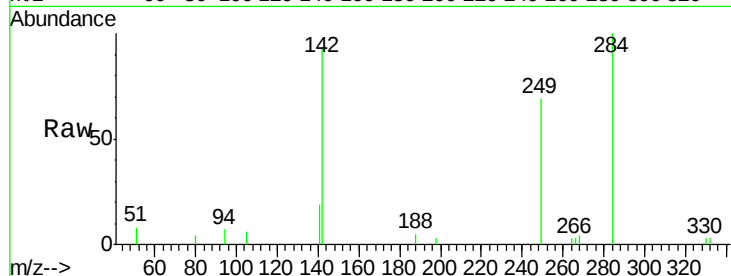
ClientSampleId :

SSTDCCC001EC

Tot Ion:	284	Resp:	4406
Ion Ratio	Lower	Upper	
284	100		
142	93.1	29.8	44.8#
249	68.8	31.0	46.4#

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#29

Pentachlorophenol

Concen: 0.96 ng

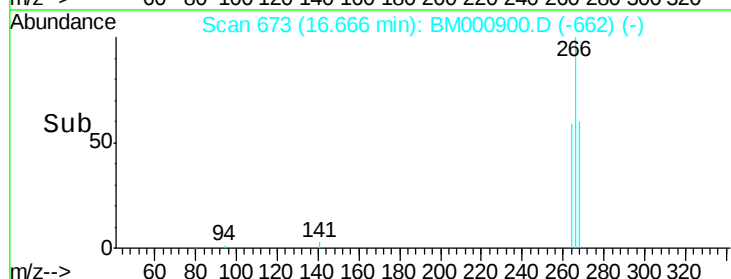
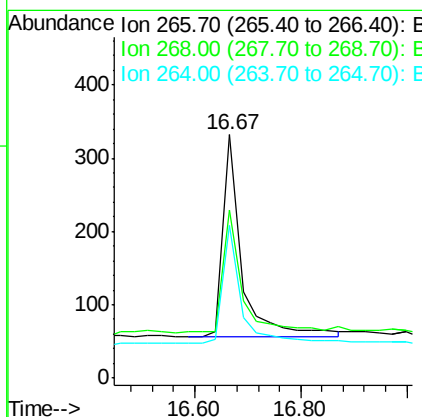
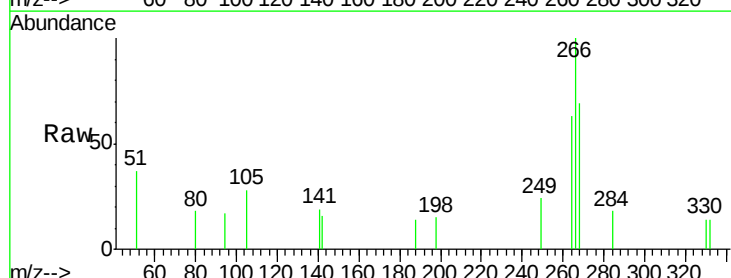
RT: 16.67 min Scan# 673

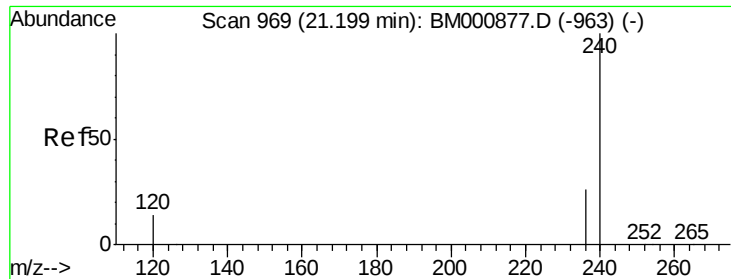
Delta R.T. -0.01 min

Lab File: BM000900.D

Acq: 08 Apr 2015 04:20

Tgt Ion:	266	Resp:	664
Ion Ratio	Lower	Upper	
266	100		
268	69.3	61.8	92.8
264	63.0	53.8	80.6





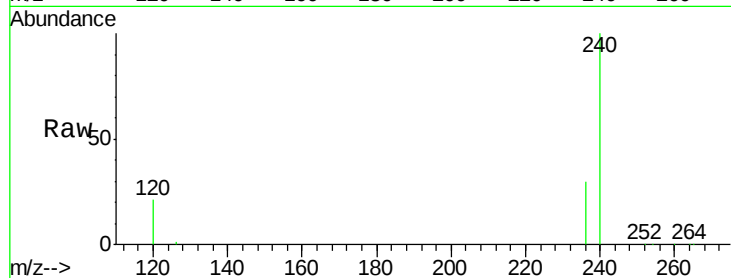
#30
Chrysene-d12
Concen: 5.00 ng
RT: 21.19 min Scan# 969
Delta R.T. -0.01 min
Lab File: BM000900.D
Acq: 08 Apr 2015 04:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

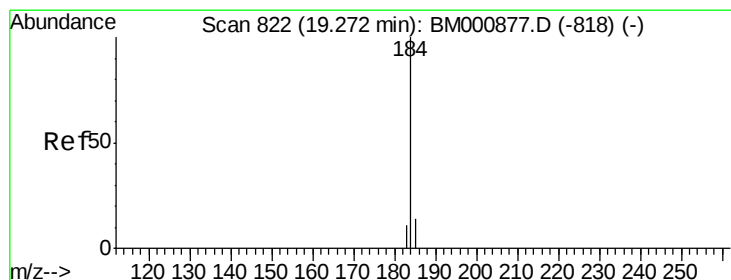
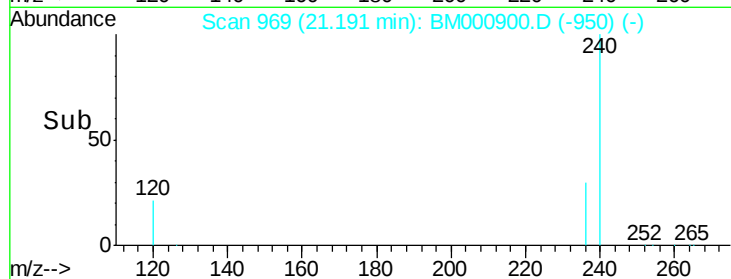
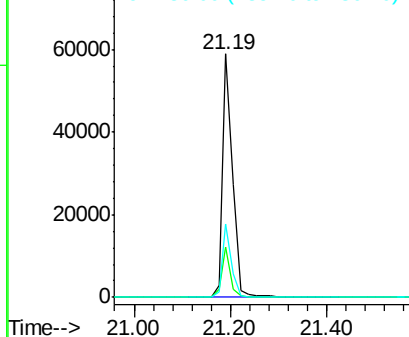
Tot Ion	Ratio	Lower	Upper
240	100		
120	20.6	11.1	16.7#
236	30.0	20.9	31.3

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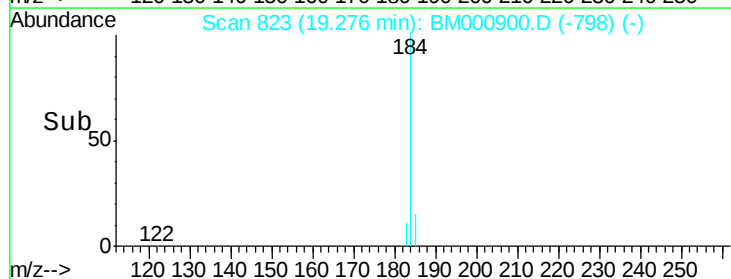
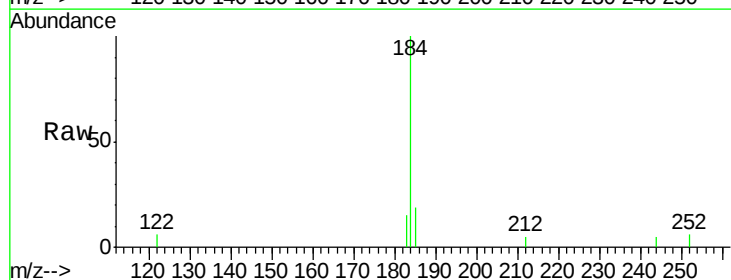
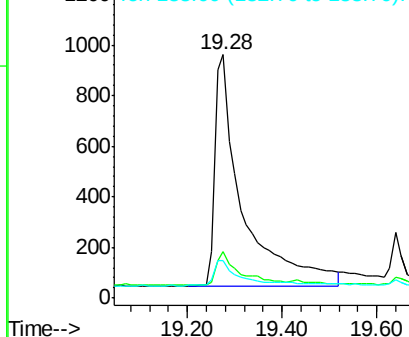
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

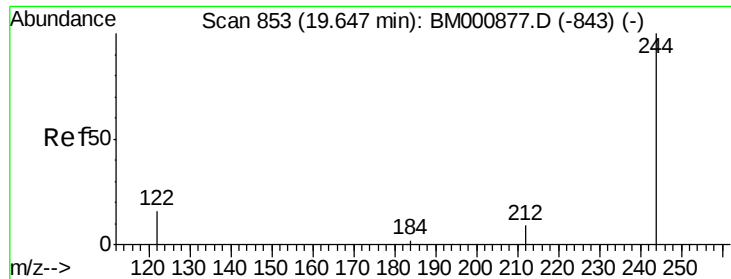


#31
Benzidine
Concen: 0.94 ng
RT: 19.28 min Scan# 823
Delta R.T. 0.00 min
Lab File: BM000900.D
Acq: 08 Apr 2015 04:20

Tgt Ion	Ratio	Lower	Upper
184	100		
185	19.3	14.4	21.6
183	15.2	12.6	19.0

Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





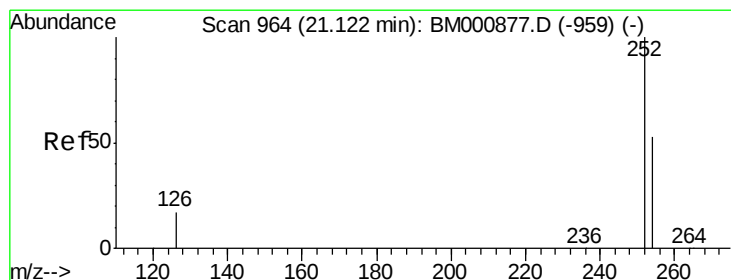
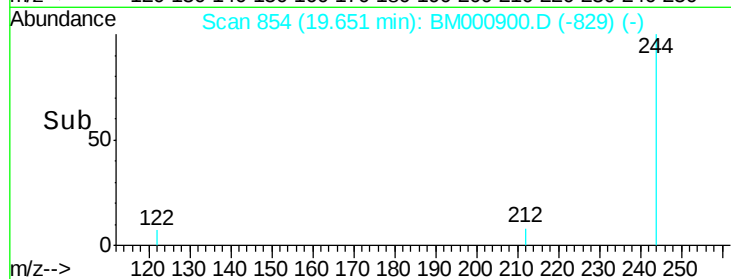
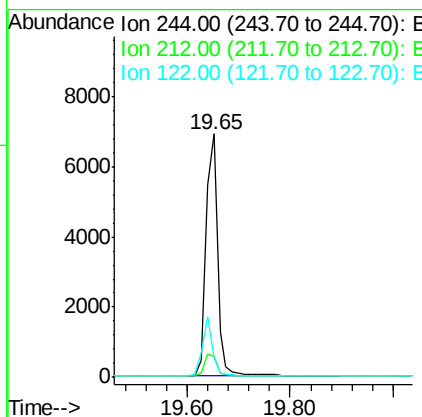
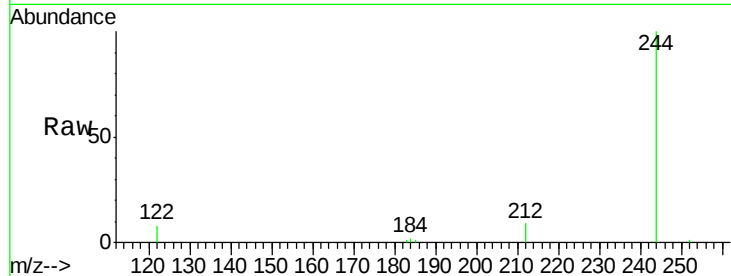
#32
 Terphenyl-d14
 Concen: 1.00 ng
 RT: 19.65 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: BM000900.D
 Acq: 08 Apr 2015 04:20

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.7	8.1	12.1
122	8.0	13.6	20.4#

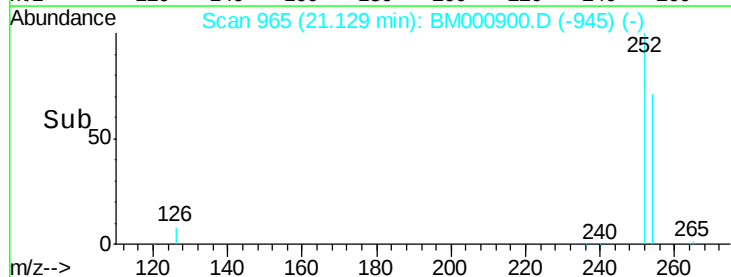
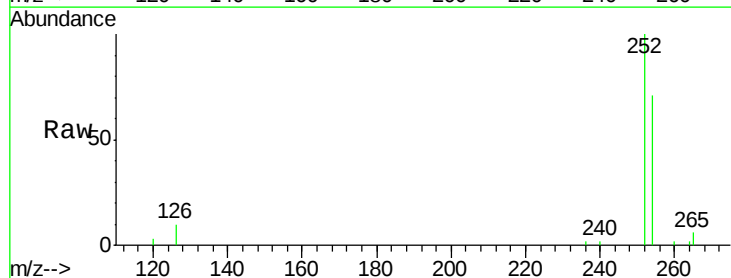
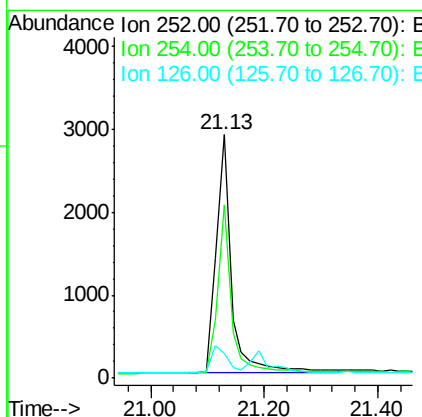
Manual Integrations
 APPROVED

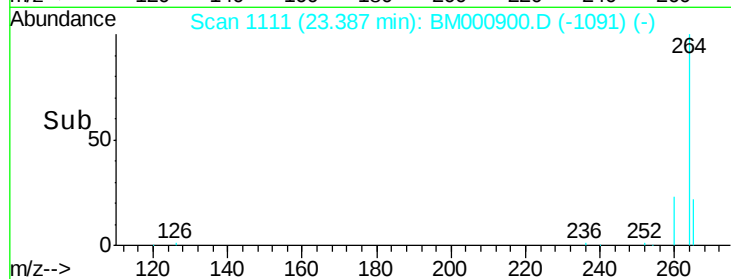
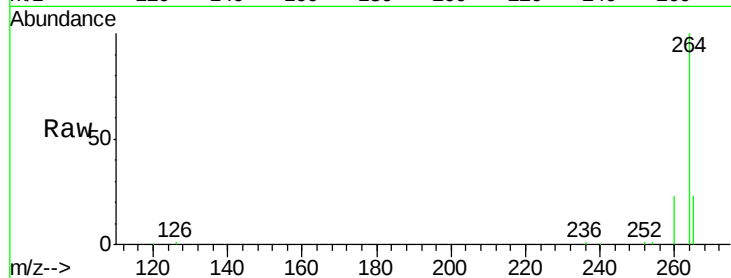
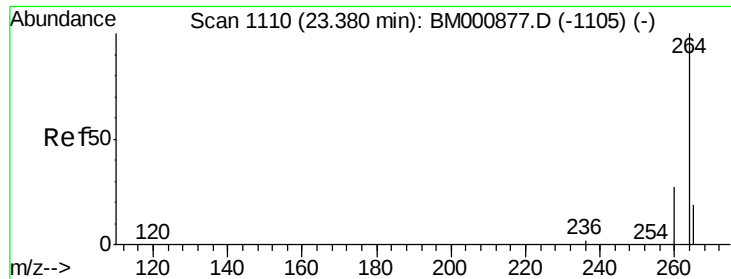
apatel
 4/9/2015 8:11:54 AM



#33
 3,3'-Dichlorobenzidine
 Concen: 0.93 ng
 RT: 21.13 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: BM000900.D
 Acq: 08 Apr 2015 04:20

Tgt Ion	Ratio	Lower	Upper
252	100		
254	71.0	43.2	64.8#
126	10.3	15.5	23.3#





#34

Pervlene-d12

Concen: 5.00 ng

RT: 23.39 min Scan# 1111

Delta R.T. 0.01 min

Lab File: BM000900.D

Acq: 08 Apr 2015 04:20

Tot Ion:	264	Resp:	77968
Ion Ratio	Lower	Upper	
264	100		
260	23.2	21.6	32.4
265	22.9	16.1	24.1

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

Manual Integrations
APPROVED

apatel
4/9/2015 8:11:54 AM

