

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040715\
 Data File : BM000889.D
 Acq On : 07 Apr 2015 21:47
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001

Manual Integrations
 APPROVED

apatel
 4/9/2015 8:11:31 AM

Quant Time: Apr 08 06:59:12 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	7.63	152	15830	5.00	ng	0.00
11) Naphthalene-d8	10.39	136	81249	5.00	ng	0.00
19) Acenaphthene-d10	14.26	164	43978	5.00	ng	0.00
26) Phenanthrene-d10	17.00	188	110342	5.00	ng	0.00
30) Chrysene-d12	21.19	240	83819	5.00	ng	0.00
34) Perylene-d12	23.39	264	75297	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	5497	1.03	ng	0.00
5) Phenol-d6	6.77	99	8760	0.99	ng	0.00
12) Nitrobenzene-d5	8.73	82	3865	0.95	ng	-0.04
20) 2,4,6-Tribromophenol	15.77	330	1344	1.00	ng	0.02
23) 2-Fluorobiphenyl	12.87	172	13583	1.00	ng	0.00
32) Terphenyl-d14	19.65	244	10907	1.05	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.12	88	2587	1.02	ng	92
3) n-Nitrosodimethylamine	3.43	42	2515	1.01	ng	# 46
6) 2-Chlorophenol	7.17	128	7001	1.00	ng	95
7) Phenol	6.81	94	6167	0.93	ng	97
8) bis(2-Chloroethyl)ether	7.02	93	7120	1.01	ng	# 76
9) 2-Methylphenol	8.06	107	4453	0.92	ng	95
10) 3+4-Methylphenols	8.38	107	6468	0.98	ng	95
13) Nitrobenzene	8.80	77	3666	0.90	ng	# 74
14) 2-Nitrophenol	9.52	139	1869m	0.83	ng	
15) 2,4-Dimethylphenol	9.58	122	4541	0.97	ng	95
16) 2,4-Dichlorophenol	10.04	162	4987	1.02	ng	91
17) Hexachlorobutadiene	10.72	225	3864	1.04	ng	99
18) 4-Chloro-3-methylphenol	11.67	107	4532	0.99	ng	98
21) 2,4,6-Trichlorophenol	12.69	196	3205	1.11	ng	93
22) 2,4,5-Trichlorophenol	12.75	196	3681	1.04	ng	87
25) 4-Nitrophenol	14.49	139	881	1.19	ng	96
27) 4,6-Dinitro-2-methylphenol	15.39	198	868	0.86	ng	# 56
28) Hexachlorobenzene	16.33	284	4277	0.87	ng	# 54
29) Pentachlorophenol	16.67	266	1221	1.35	ng	92
31) Benzidine	19.26	184	4597	1.15	ng	98
33) 3,3'-Dichlorobenzidine	21.13	252	6975	1.17	ng	# 80

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

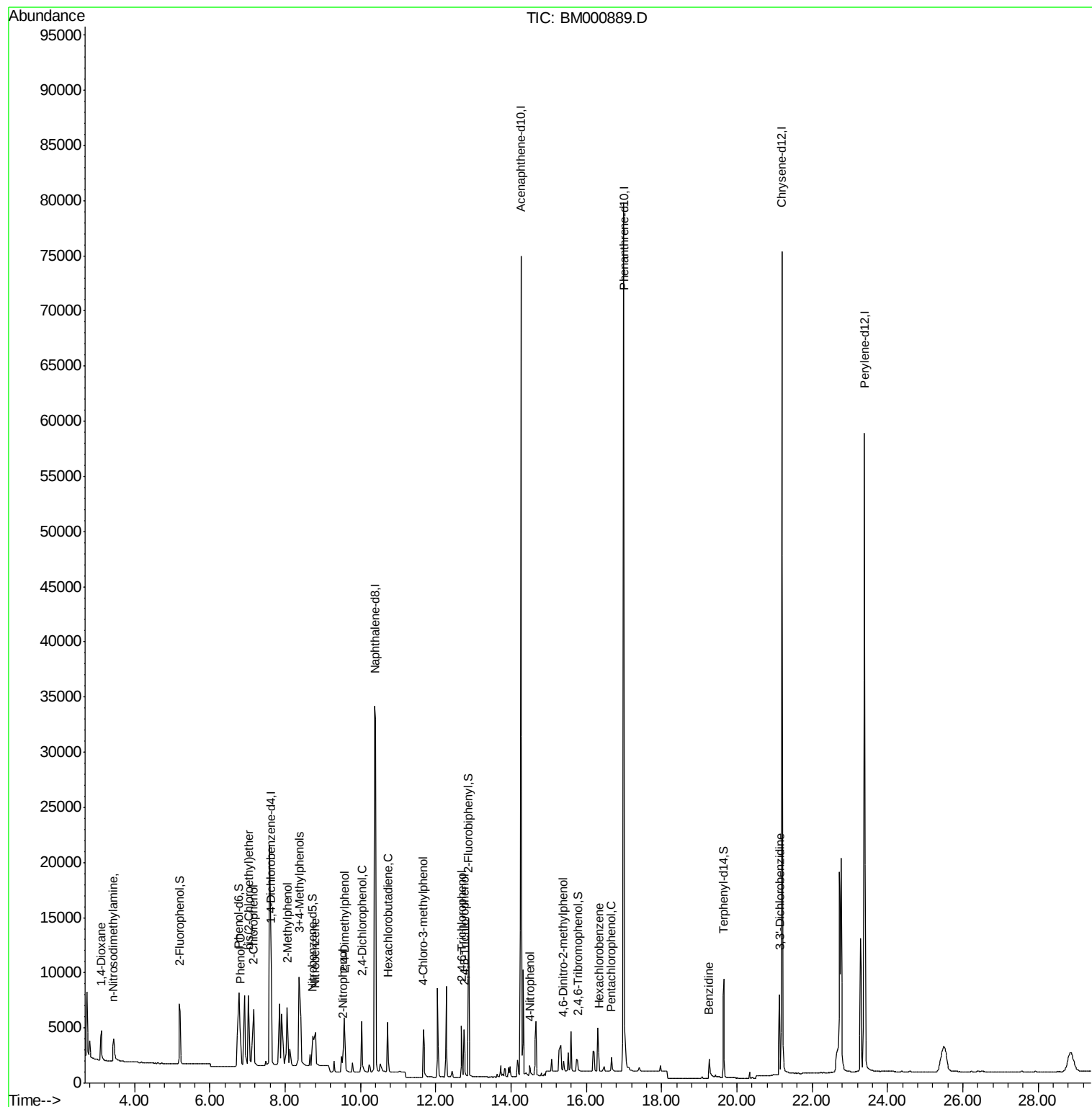
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040715\
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Sample : SSTDCCC001
Misc :
ALS Vial : 6 Sample Multiplier: 1

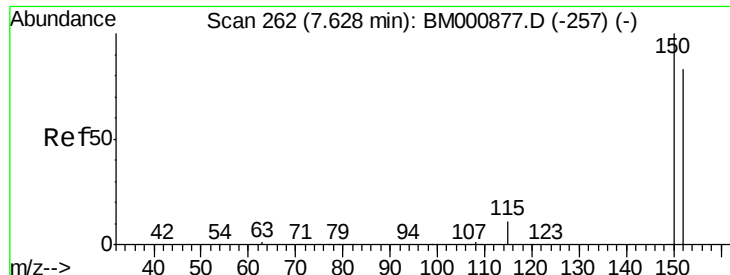
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

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#1

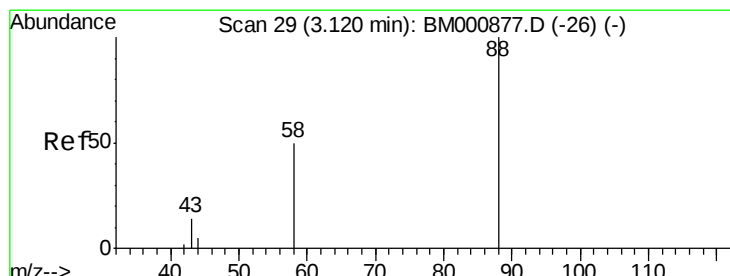
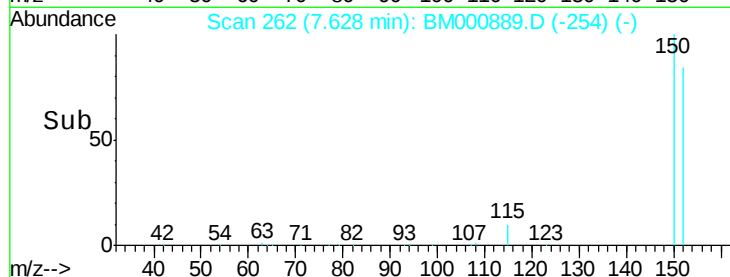
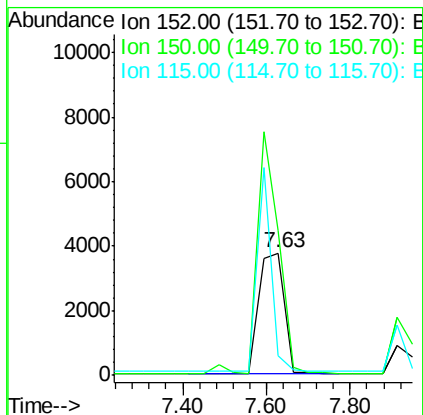
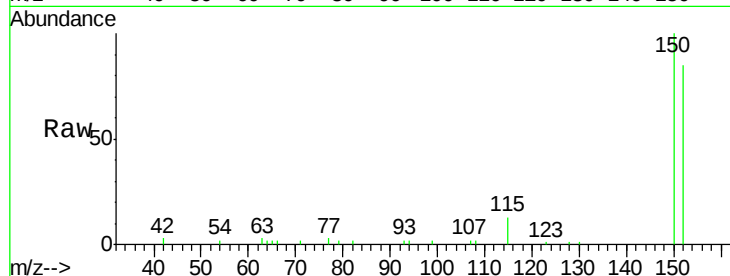
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.63 min Scan# 262
Delta R.T. -0.00 min
Lab File: BM000889.D
Acq: 07 Apr 2015 21:47

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tot Ion	Ratio	Lower	Upper
152	100		
150	118.2	96.5	144.7
115	15.8	11.9	17.9

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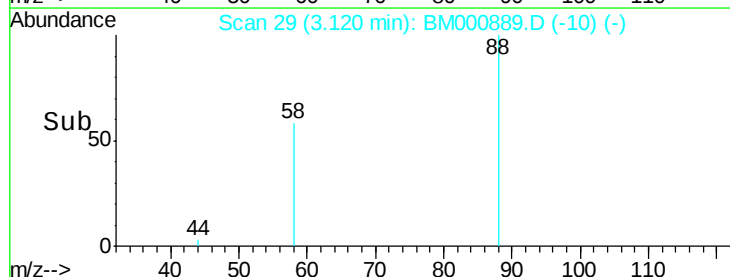
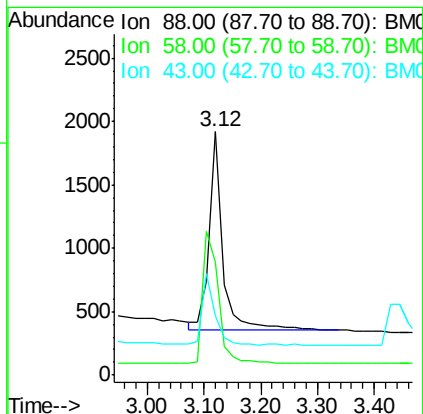
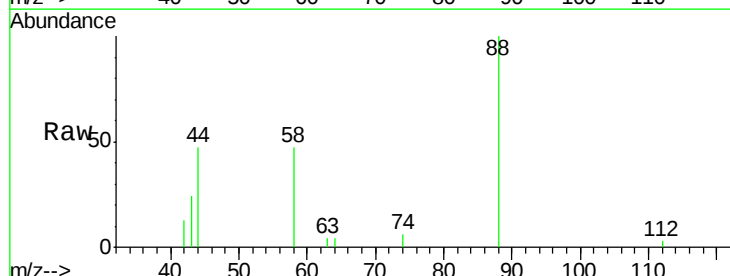
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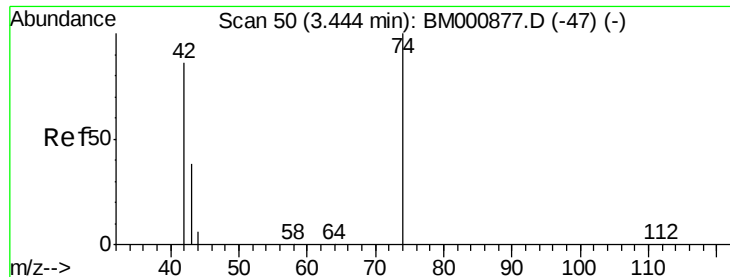


#2

1,4-Dioxane
Concen: 1.02 ng
RT: 3.12 min Scan# 29
Delta R.T. 0.00 min
Lab File: BM000889.D
Acq: 07 Apr 2015 21:47

Tgt Ion	Ratio	Lower	Upper
88	100		
58	77.0	56.7	85.1
43	36.5	25.0	37.6





#3

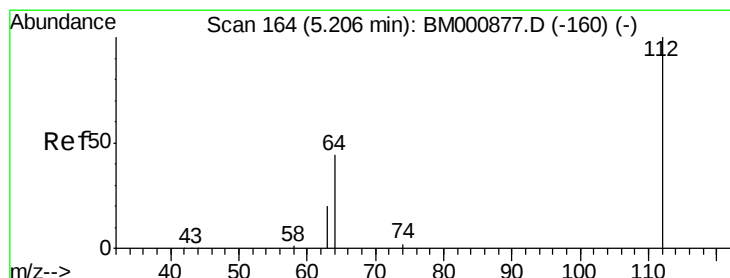
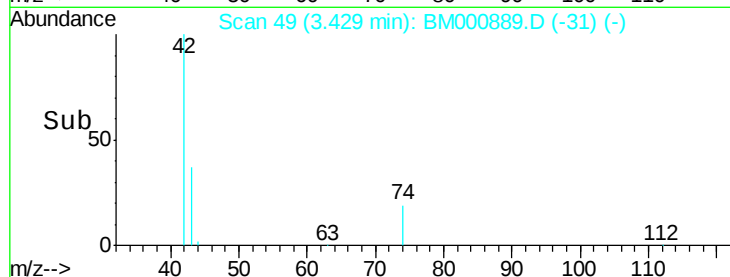
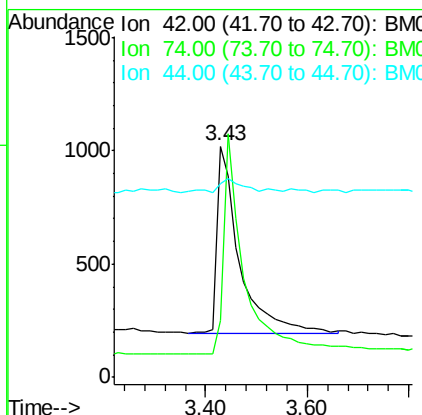
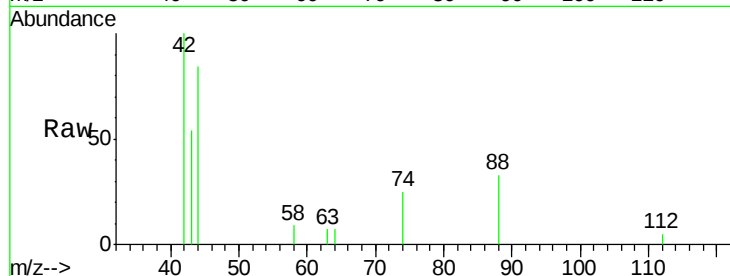
n-Nitrosodimethylamine
 Concen: 1.01 ng
 RT: 3.43 min Scan# 49
 Delta R.T. -0.02 min
 Lab File: BM000889.D
 Acq: 07 Apr 2015 21:47

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001

Tot Ion	Ratio	Lower	Upper
42	100		
74	24.8	81.0	121.4#
44	83.7	53.3	79.9#

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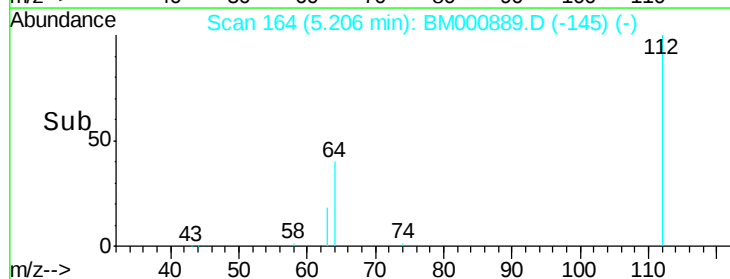
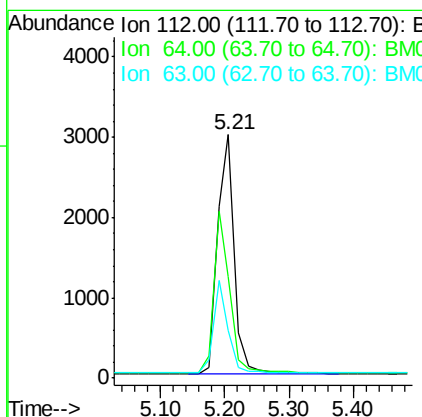
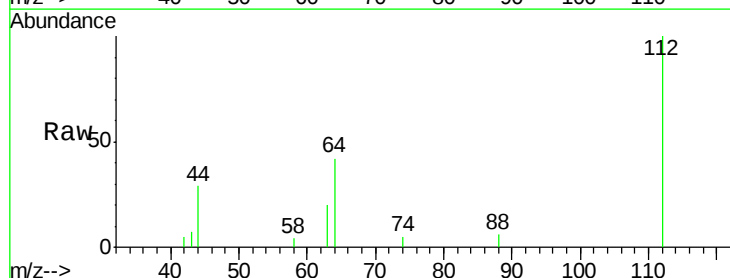
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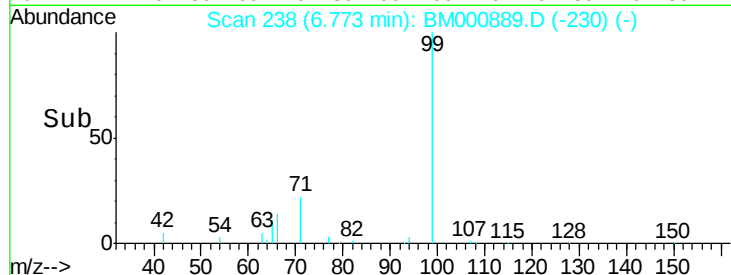
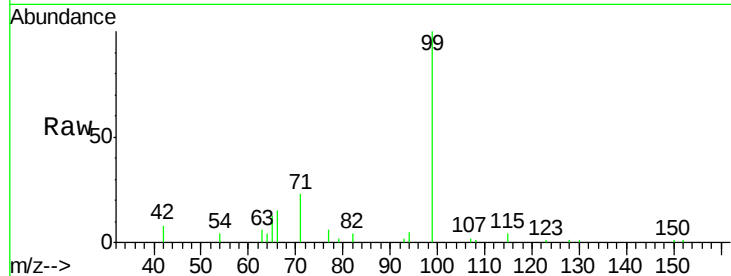
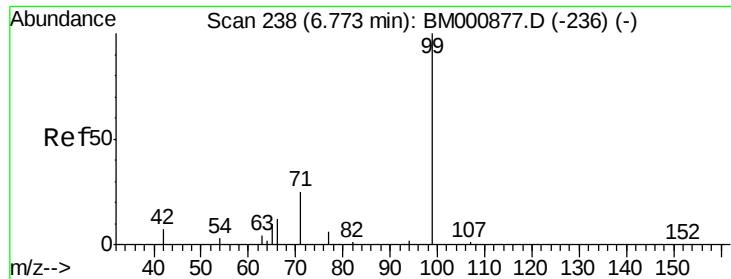


#4

2-Fluorophenol
 Concen: 1.03 ng
 RT: 5.21 min Scan# 164
 Delta R.T. -0.00 min
 Lab File: BM000889.D
 Acq: 07 Apr 2015 21:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	41.9	35.7	53.5
63	19.7	17.0	25.4





#5

Phenol-d6

Concen: 0.99 ng

RT: 6.77 min Scan# 238

Delta R.T. 0.00 min

Lab File: BM000889.D

Acq: 07 Apr 2015 21:47

Tot Ion:	99	Resp:	8760
Ion	Ratio	Lower	Upper
99	100		
42	8.3	7.5	11.3
71	23.1	21.3	31.9

Instrument :

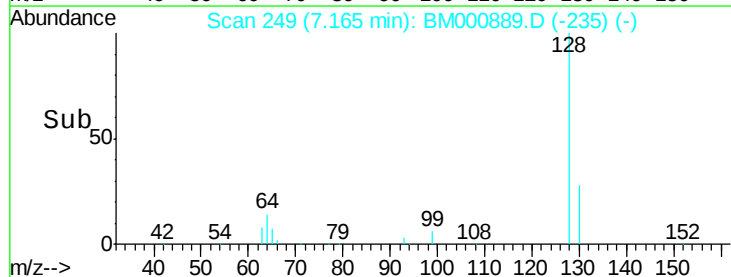
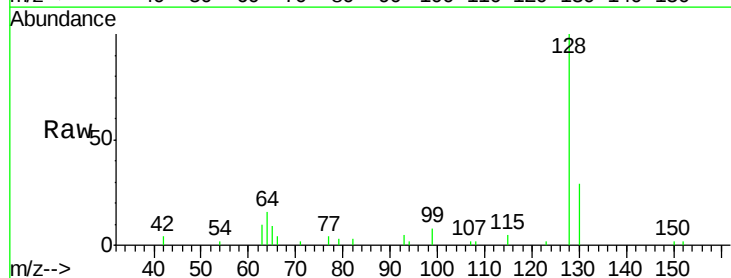
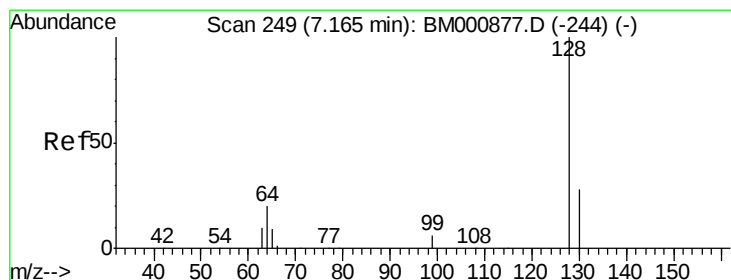
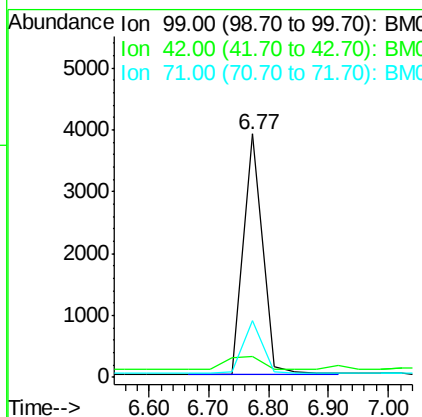
BNA_M

ClientSampleId :

SSTDCCC001

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#6

2-Chlorophenol

Concen: 1.00 ng

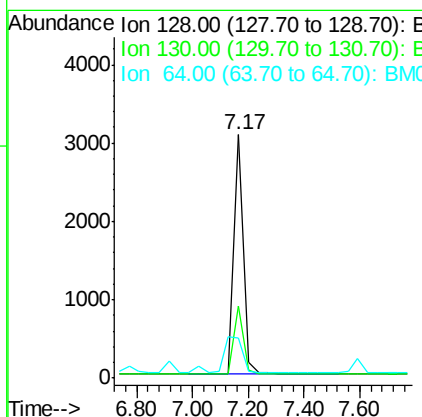
RT: 7.17 min Scan# 249

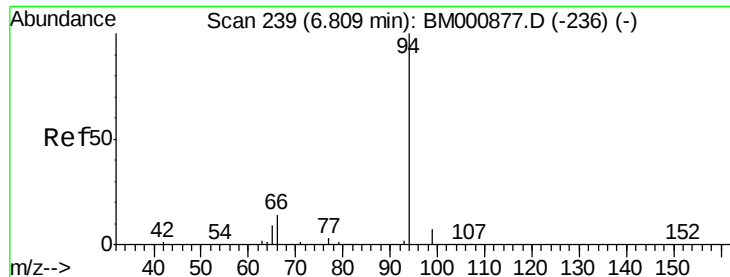
Delta R.T. 0.00 min

Lab File: BM000889.D

Acq: 07 Apr 2015 21:47

Tgt Ion:	128	Resp:	7001
Ion	Ratio	Lower	Upper
128	100		
130	29.4	9.4	49.4
64	16.3	2.1	42.1





#7

Phenol

Concen: 0.93 ng

RT: 6.81 min Scan# 239

Delta R.T. -0.00 min

Lab File: BM000889.D

Acq: 07 Apr 2015 21:47

Instrument :

BNA_M

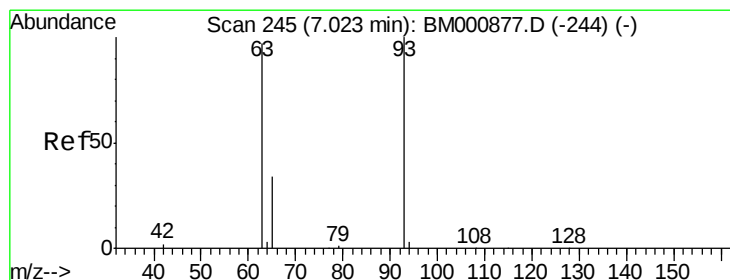
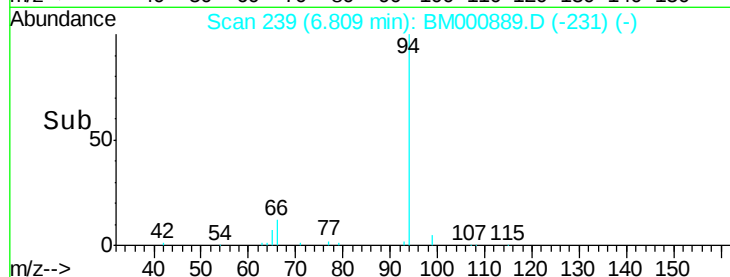
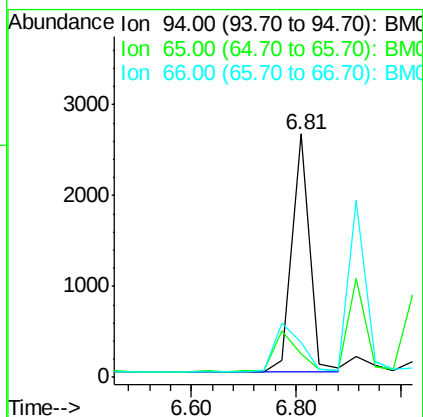
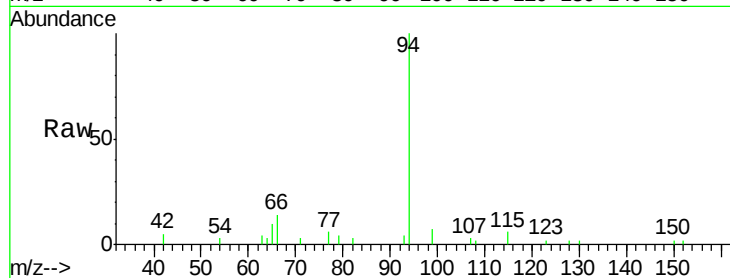
ClientSampleId :

SSTDCCC001

Tot Ion:	94	Resp:	6167
Ion	Ratio	Lower	Upper
94	100		
65	9.8	0.0	30.9
66	14.4	0.0	35.8

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#8

bis(2-Chloroethyl)ether

Concen: 1.01 ng

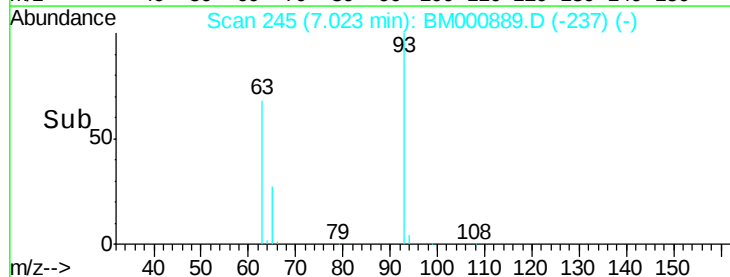
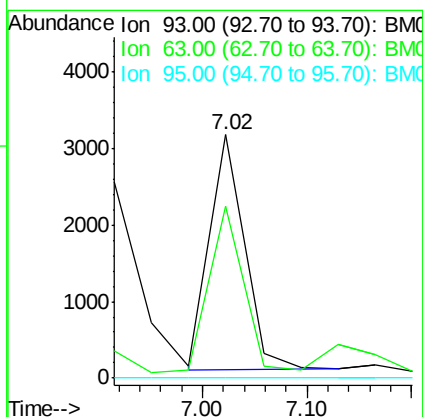
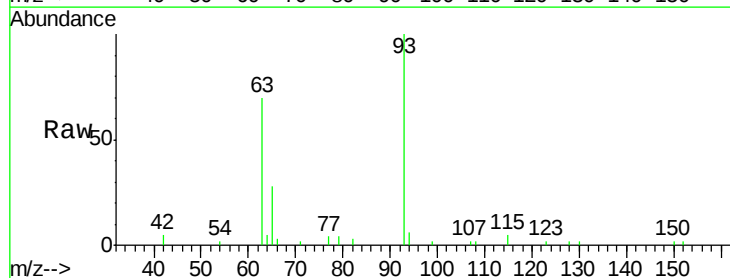
RT: 7.02 min Scan# 245

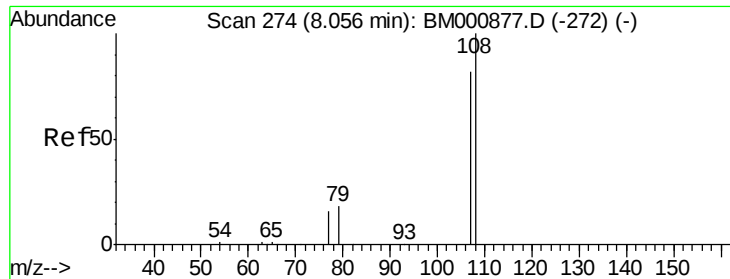
Delta R.T. 0.00 min

Lab File: BM000889.D

Acq: 07 Apr 2015 21:47

Tgt Ion:	93	Resp:	7120
Ion	Ratio	Lower	Upper
93	100		
63	70.4	73.3	113.3#
95	0.0	0.0	20.0





#9

2-Methylphenol

Concen: 0.92 ng

RT: 8.06 min Scan# 274

Delta R.T. -0.00 min

Lab File: BM000889.D

Acq: 07 Apr 2015 21:47

Instrument :

BNA_M

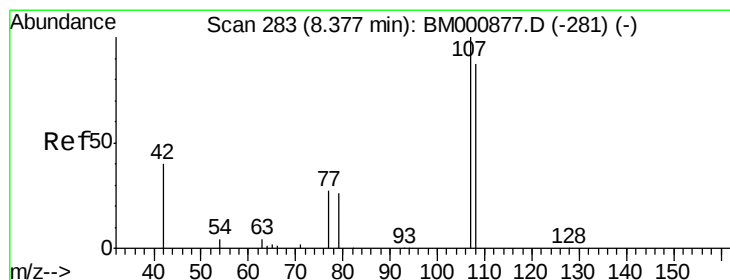
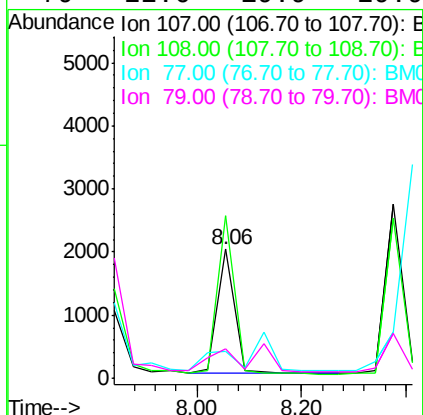
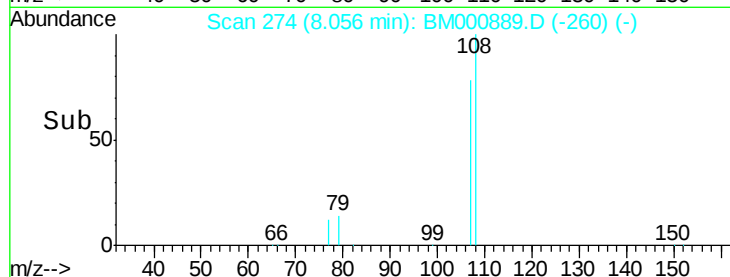
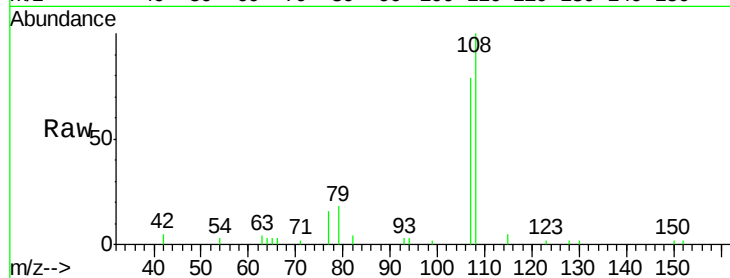
ClientSampleId :

SSTDCCC001

Tot Ion:	107	Resp:	4453
Ion	Ratio	Lower	Upper
107	100		
108	126.1	96.7	145.1
77	20.8	18.3	27.5
79	22.6	19.9	29.9

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#10

3+4-Methylphenols

Concen: 0.98 ng

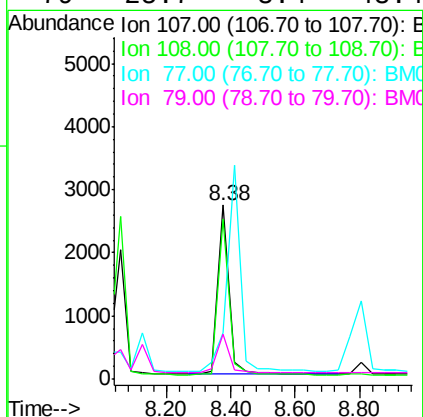
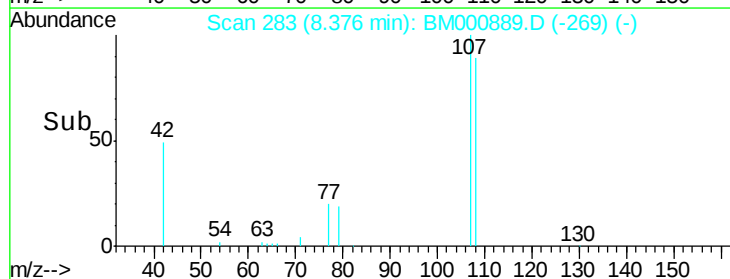
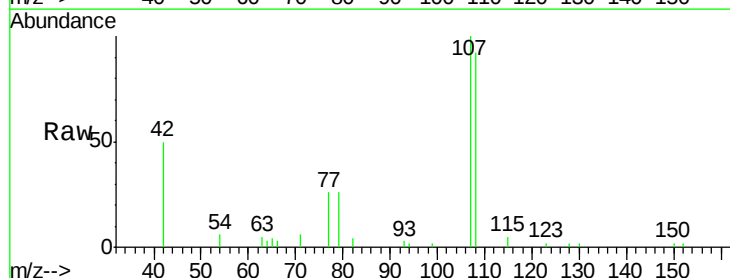
RT: 8.38 min Scan# 283

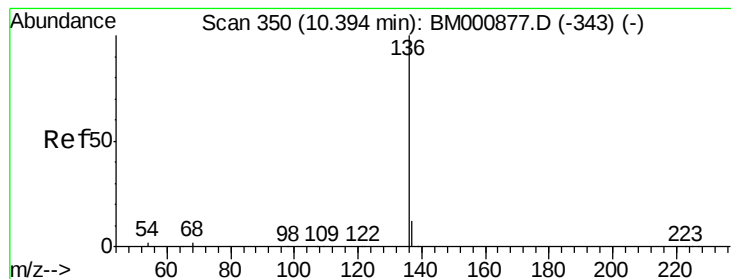
Delta R.T. 0.00 min

Lab File: BM000889.D

Acq: 07 Apr 2015 21:47

Tgt Ion:	107	Resp:	6468
Ion	Ratio	Lower	Upper
107	100		
108	91.9	67.6	107.6
77	26.3	10.0	50.0
79	25.7	8.4	48.4





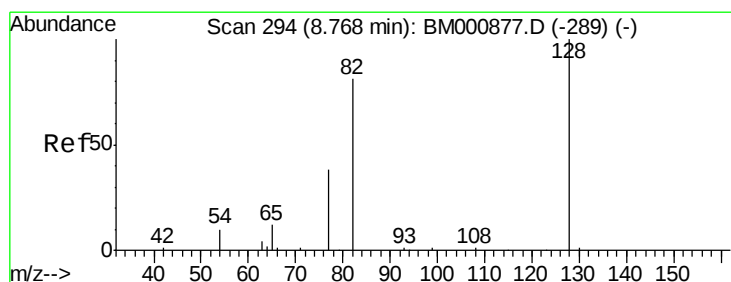
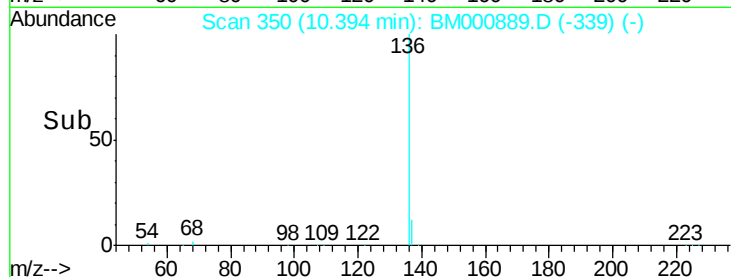
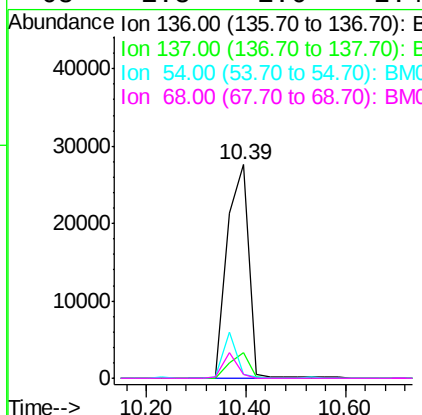
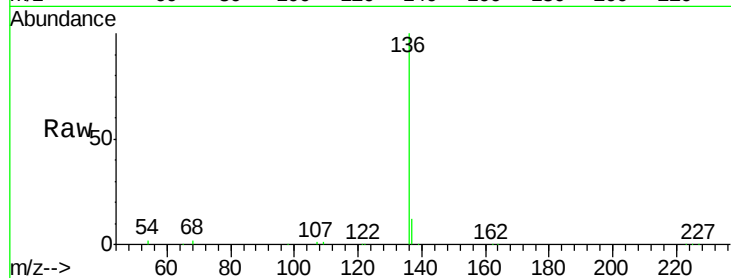
#11
Naphthalene-d8
Concen: 5.00 ng
RT: 10.39 min Scan# 350
Delta R.T. -0.00 min
Lab File: BM000889.D
Acq: 07 Apr 2015 21:47

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		81249		
137	12.2	9.6	14.4		
54	1.7	1.5	2.3		
68	1.8	1.6	2.4		

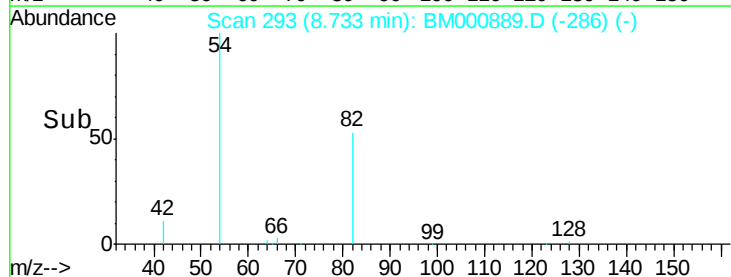
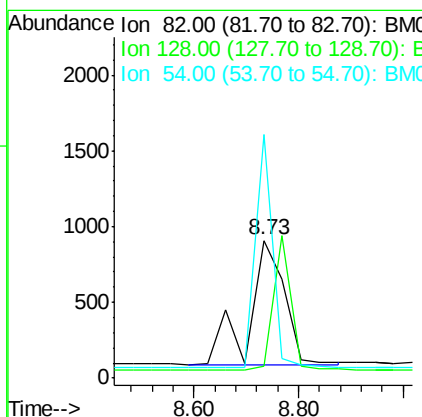
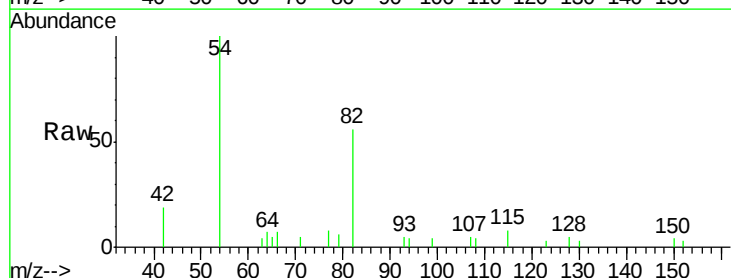
Manual Integrations
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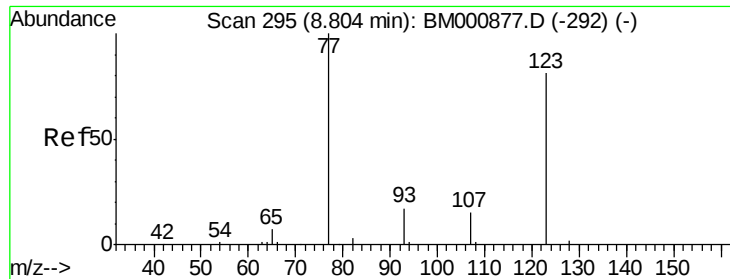
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#12
Nitrobenzene-d5
Concen: 0.95 ng
RT: 8.73 min Scan# 293
Delta R.T. -0.04 min
Lab File: BM000889.D
Acq: 07 Apr 2015 21:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		3865		
128	8.4	96.2	144.2#		
54	177.2	15.0	22.6#		





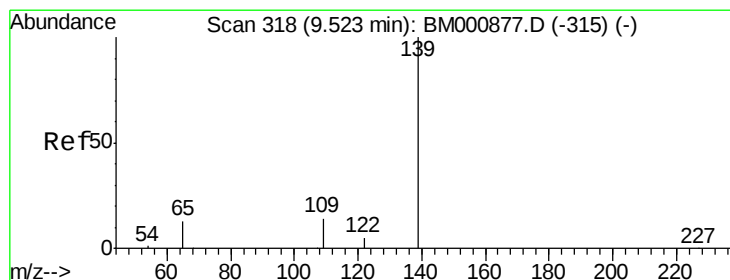
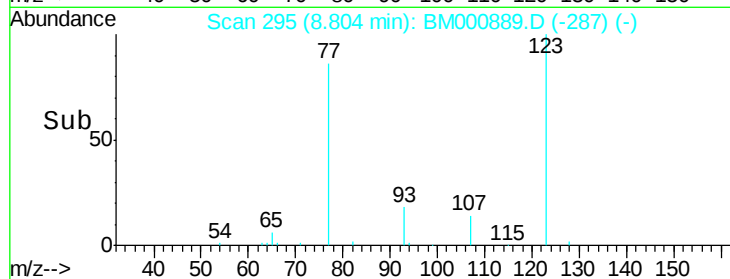
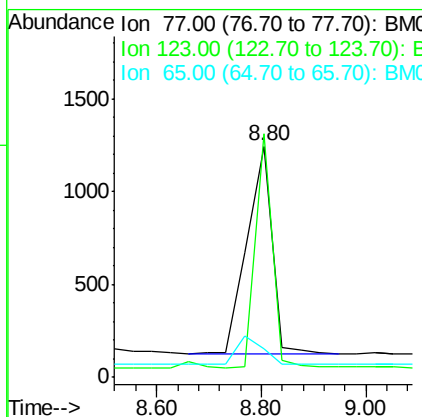
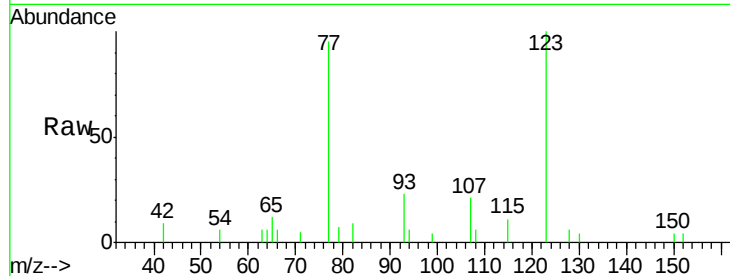
#13
Nitrobenzene
Concen: 0.90 ng
RT: 8.80 min Scan# 295
Delta R.T. -0.00 min
Lab File: BM000889.D
Acq: 07 Apr 2015 21:47

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tot Ion	Ratio	Lower	Upper
77	100		
123	105.5	64.0	96.0#
65	12.3	8.7	13.1

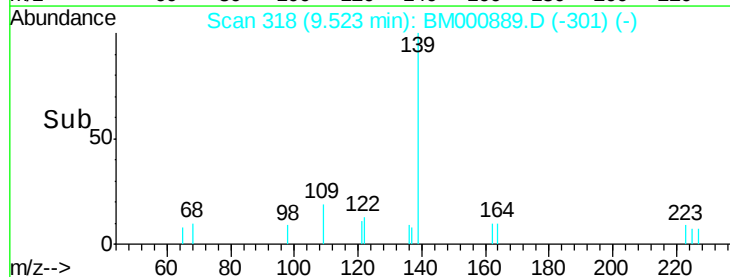
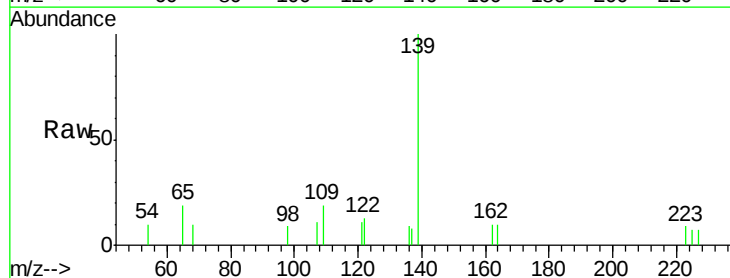
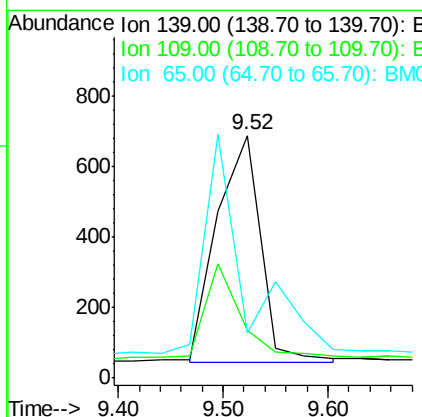
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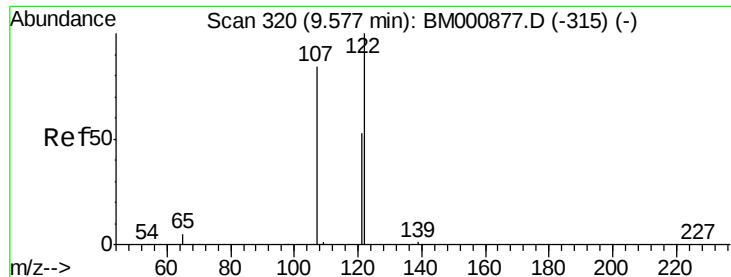
apatel
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#14
2-Nitrophenol
Concen: 0.83 ng m
RT: 9.52 min Scan# 318
Delta R.T. 0.00 min
Lab File: BM000889.D
Acq: 07 Apr 2015 21:47

Tgt Ion	Ratio	Lower	Upper
139	100		
109	19.4	15.8	23.8
65	18.6	16.2	24.2





#15

2,4-Dimethylphenol

Concen: 0.97 ng

RT: 9.58 min Scan# 320

Delta R.T. -0.00 min

Lab File: BM000889.D

Acq: 07 Apr 2015 21:47

Instrument :

BNA_M

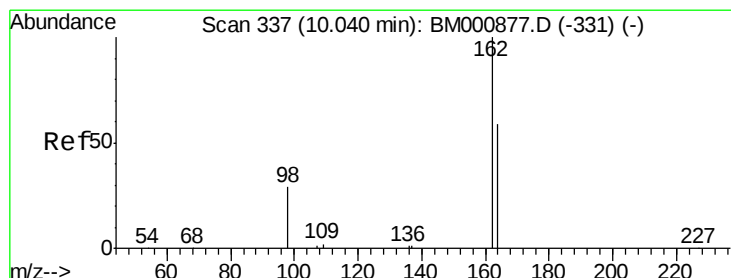
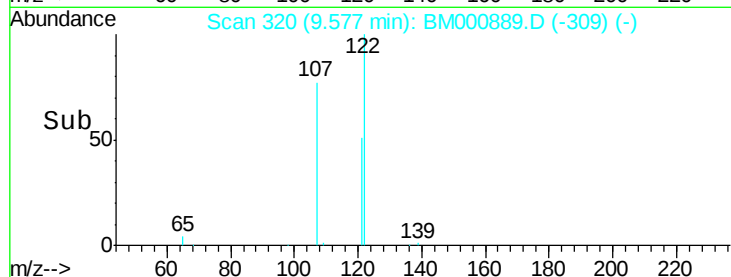
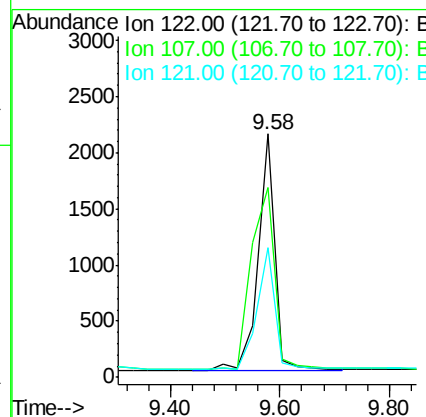
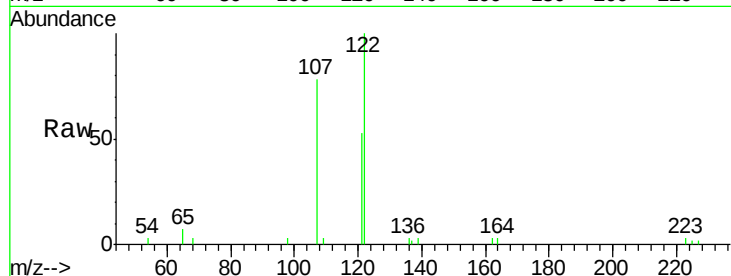
ClientSampleId :

SSTDCCC001

Tot Ion:	122	Resp:	4541
Ion Ratio	Lower	Upper	
122	100		
107	77.9	67.4	101.2
121	53.3	43.5	65.3

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#16

2,4-Dichlorophenol

Concen: 1.02 ng

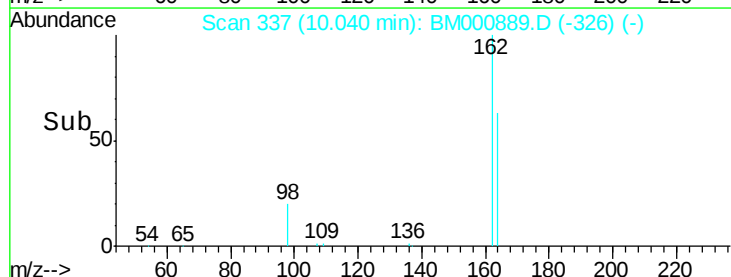
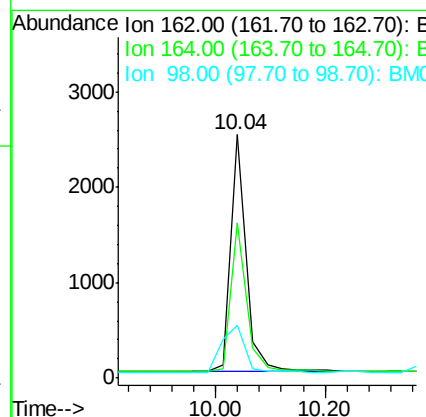
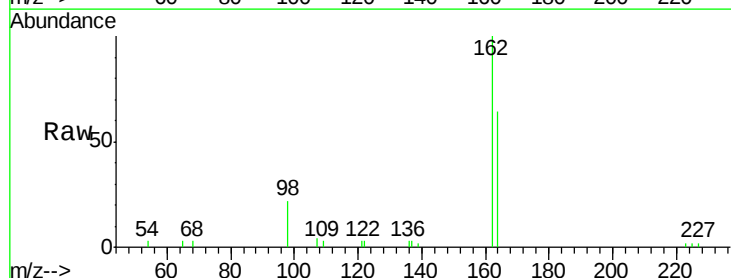
RT: 10.04 min Scan# 337

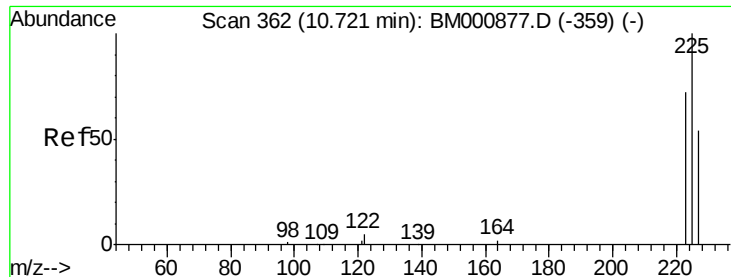
Delta R.T. 0.00 min

Lab File: BM000889.D

Acq: 07 Apr 2015 21:47

Tgt Ion:	162	Resp:	4987
Ion Ratio	Lower	Upper	
162	100		
164	63.6	39.9	79.9
98	21.8	11.3	51.3





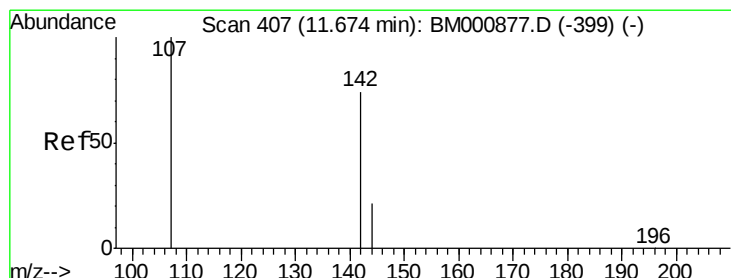
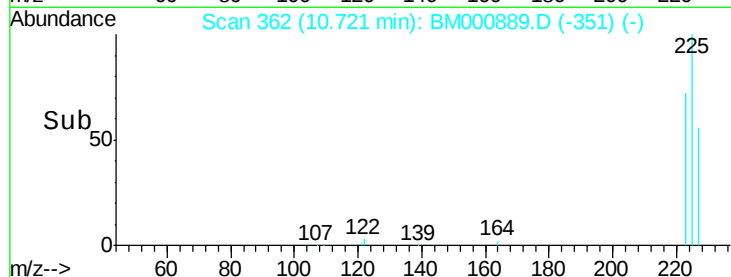
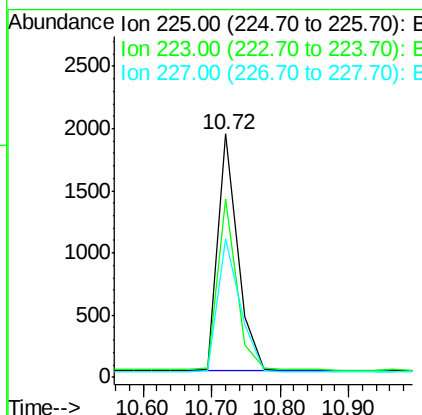
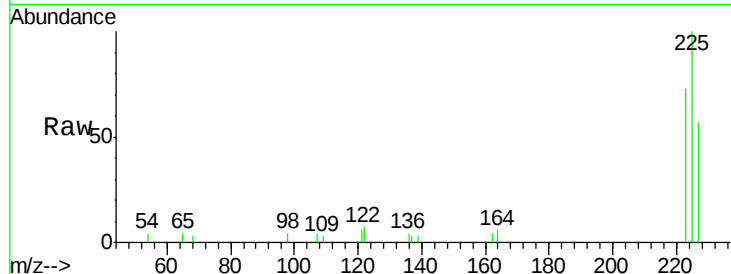
#17
Hexachlorobutadiene
Concen: 1.04 ng
RT: 10.72 min Scan# 362
Delta R.T. -0.00 min
Lab File: BM000889.D
Acq: 07 Apr 2015 21:47

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tot Ion:	225	Resp:	3864
Ion	Ratio	Lower	Upper
225	100		
223	73.3	58.3	87.5
227	56.9	44.5	66.7

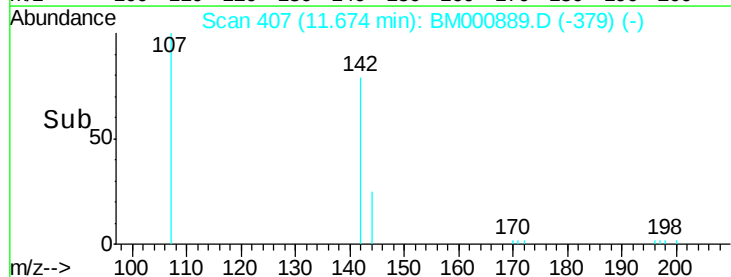
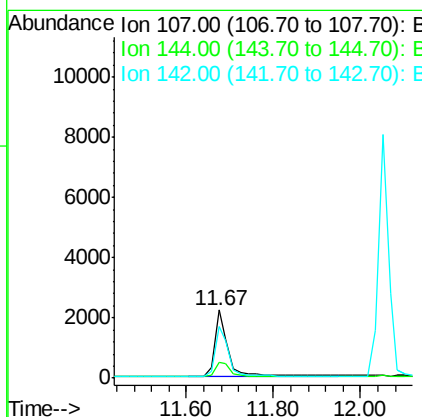
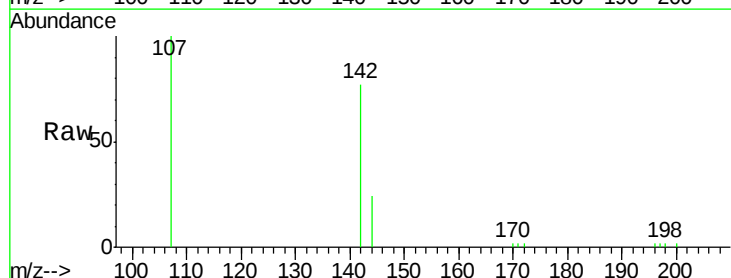
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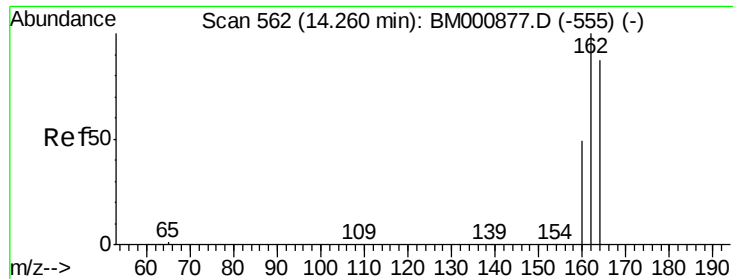
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#18
4-Chloro-3-methylphenol
Concen: 0.99 ng
RT: 11.67 min Scan# 407
Delta R.T. -0.00 min
Lab File: BM000889.D
Acq: 07 Apr 2015 21:47

Tgt Ion:	107	Resp:	4532
Ion	Ratio	Lower	Upper
107	100		
144	24.2	18.4	27.6
142	76.8	59.9	89.9





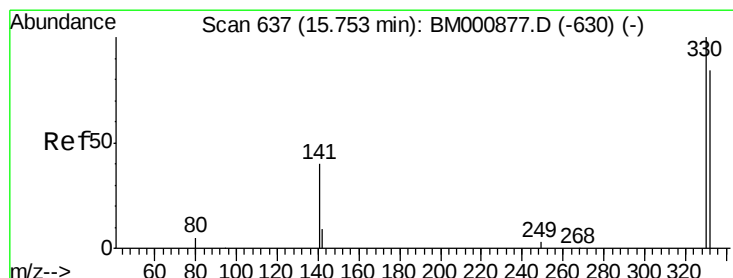
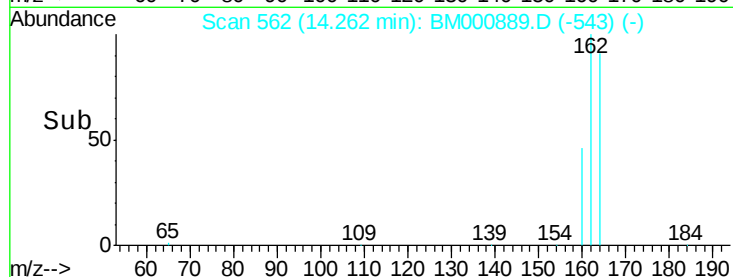
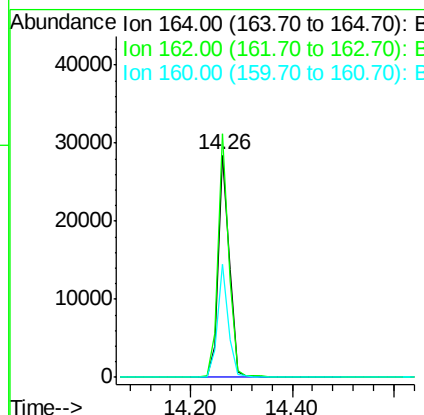
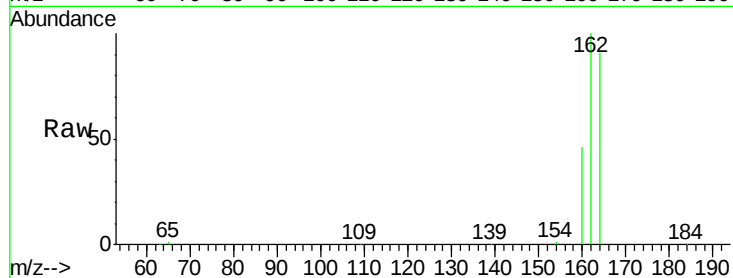
#19
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.26 min Scan# 562
Delta R.T. 0.00 min
Lab File: BM000889.D
Acq: 07 Apr 2015 21:47

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tot Ion	Ratio	Lower	Upper
164	100		
162	109.5	91.8	137.6
160	50.8	44.6	67.0

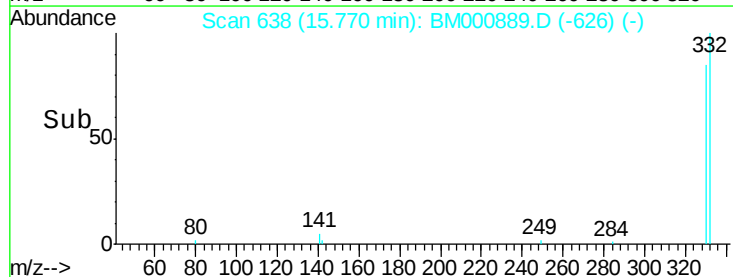
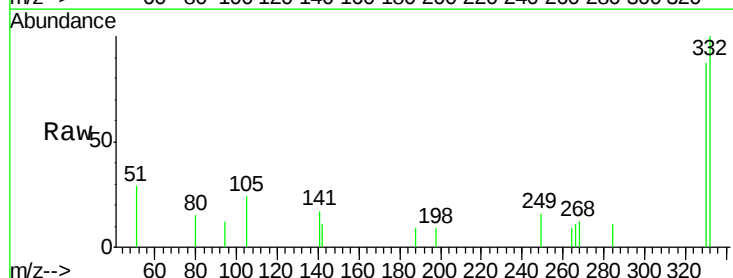
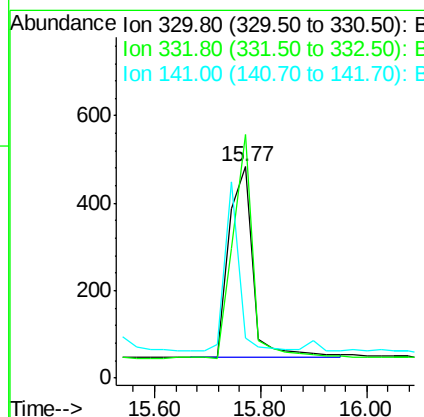
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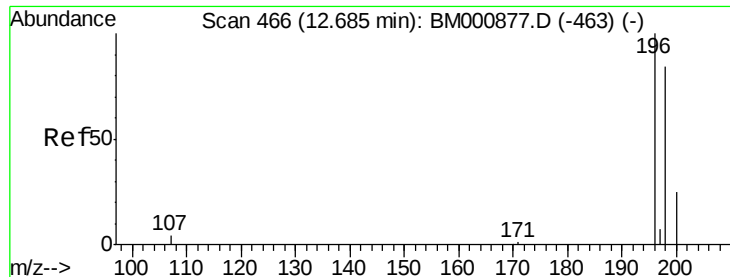
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#20
2,4,6-Tribromophenol
Concen: 1.00 ng
RT: 15.77 min Scan# 638
Delta R.T. 0.02 min
Lab File: BM000889.D
Acq: 07 Apr 2015 21:47

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.3	72.6	109.0
141	0.0	29.8	44.6#





#21

2,4,6-Trichlorophenol

Concen: 1.11 ng

RT: 12.69 min Scan# 466

Delta R.T. 0.00 min

Lab File: BM000889.D

Acq: 07 Apr 2015 21:47

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

Tot Ion:196 Resp: 3205

Ion Ratio Lower Upper

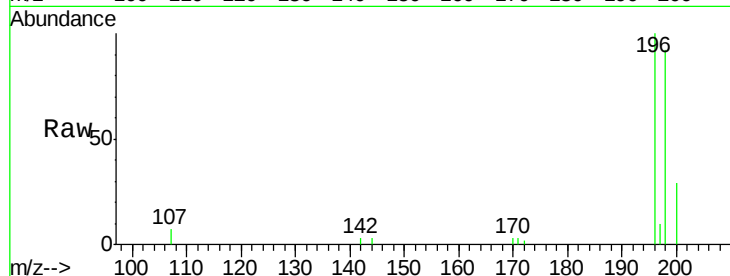
196 100

198 91.9 67.5 101.3

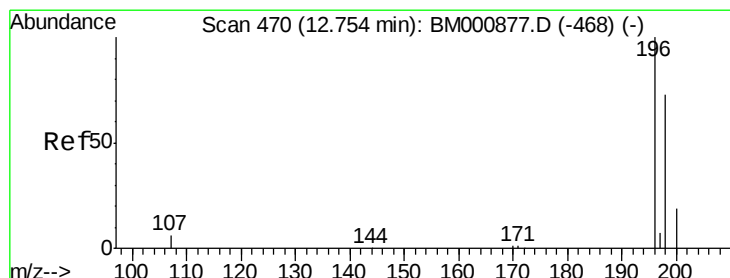
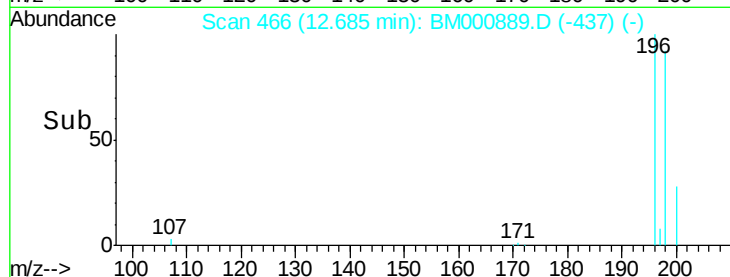
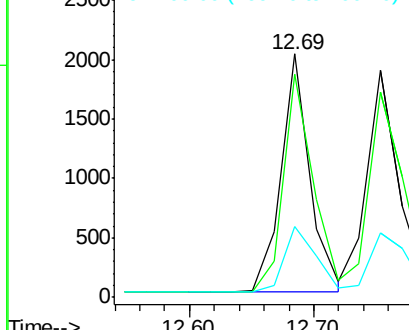
200 29.2 22.1 33.1

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Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E



#22

2,4,5-Trichlorophenol

Concen: 1.04 ng

RT: 12.75 min Scan# 470

Delta R.T. 0.00 min

Lab File: BM000889.D

Acq: 07 Apr 2015 21:47

Tgt Ion:196 Resp: 3681

Ion Ratio Lower Upper

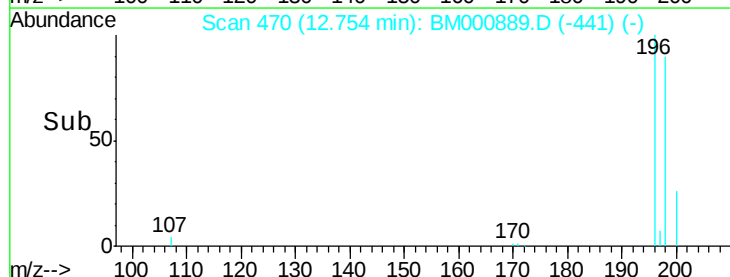
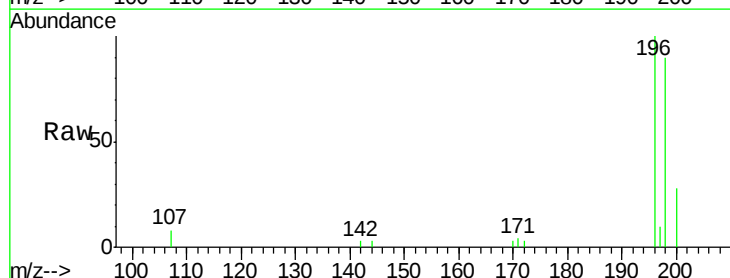
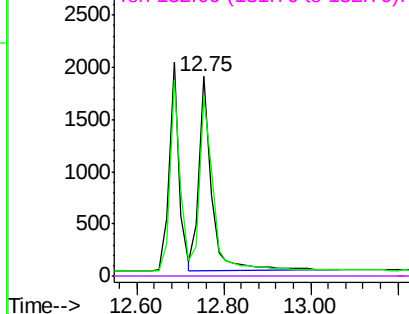
196 100

198 90.0 62.7 94.1

97 0.0 0.0 0.0

132 0.0 0.0 0.0

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





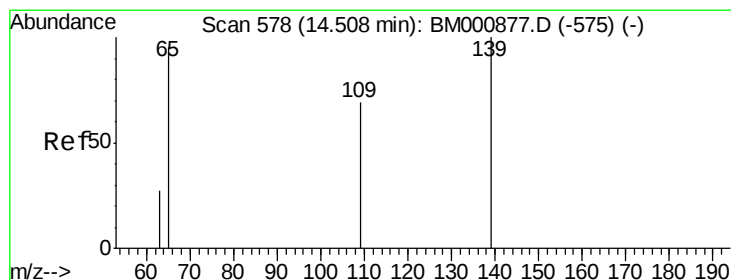
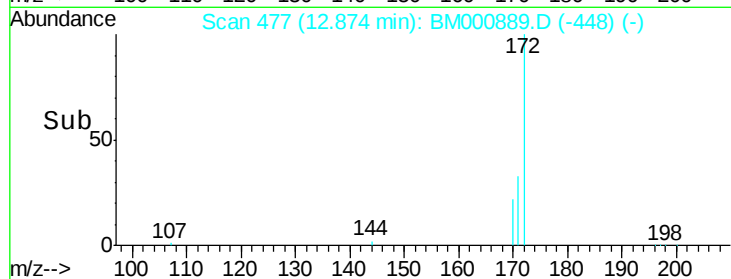
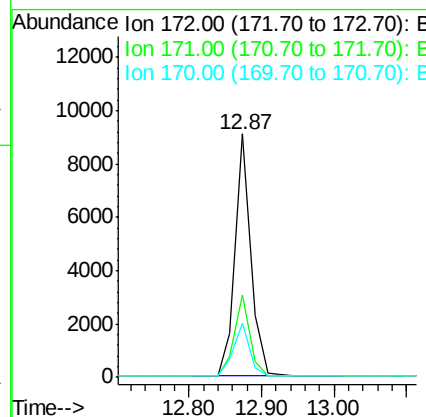
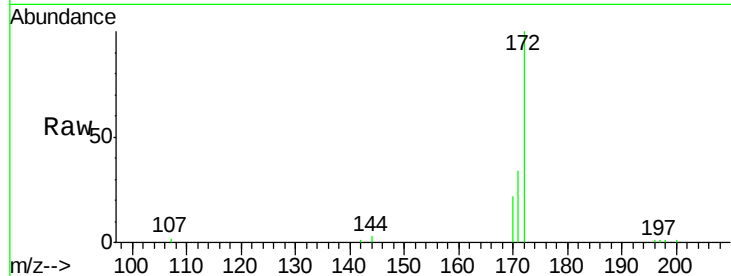
#23
2-Fluorobiphenyl
Concen: 1.00 ng
RT: 12.87 min Scan# 477
Delta R.T. -0.00 min
Lab File: BM000889.D
Acq: 07 Apr 2015 21:47

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.7	27.8	41.8
170	22.1	19.0	28.6

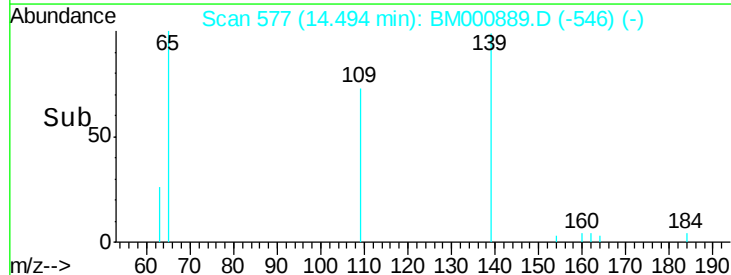
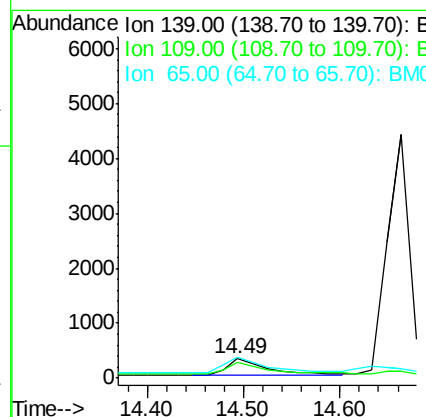
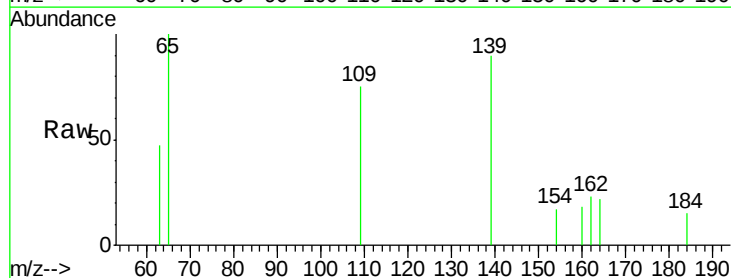
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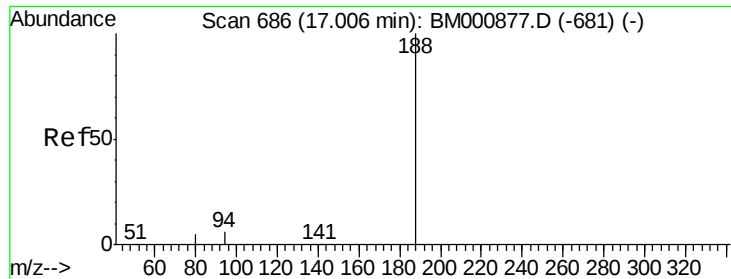
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#25
4-Nitrophenol
Concen: 1.19 ng
RT: 14.49 min Scan# 577
Delta R.T. -0.01 min
Lab File: BM000889.D
Acq: 07 Apr 2015 21:47

Tgt Ion	Ratio	Lower	Upper
139	100		
109	83.1	58.4	98.4
65	111.2	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: BM000889.D

Acq: 07 Apr 2015 21:47

Instrument :

BNA_M

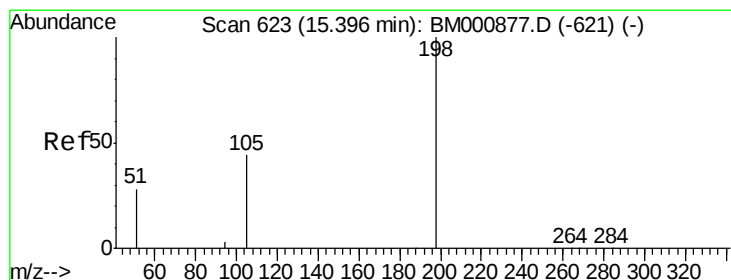
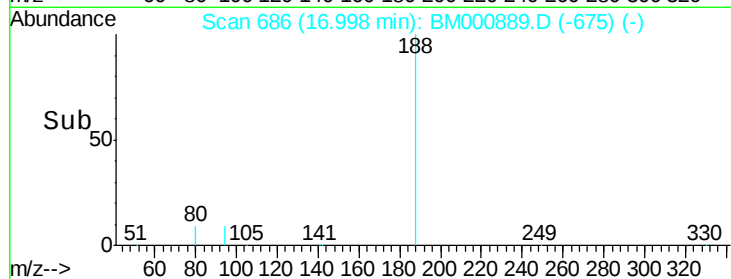
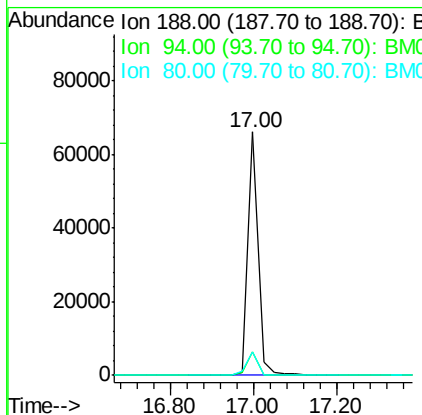
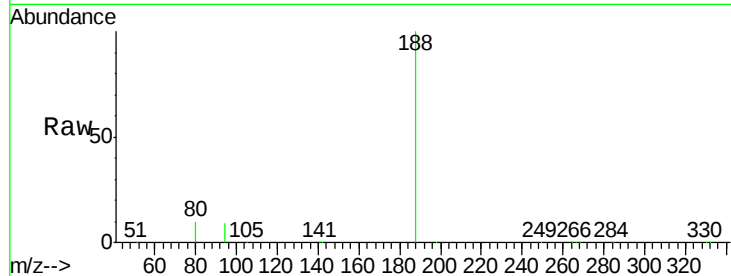
ClientSampleId :

SSTDCCC001

Tot Ion:	188	Resp:	110342
Ion Ratio	Lower	Upper	
188	100		
94	9.4	4.9	7.3#
80	9.5	4.4	6.6#

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#27

4,6-Dinitro-2-methylphenol

Concen: 0.86 ng

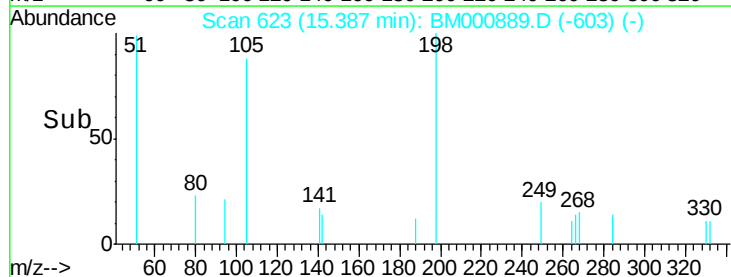
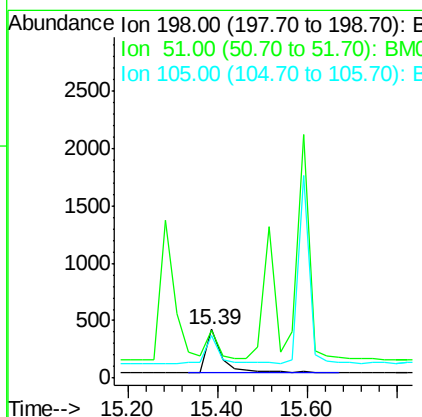
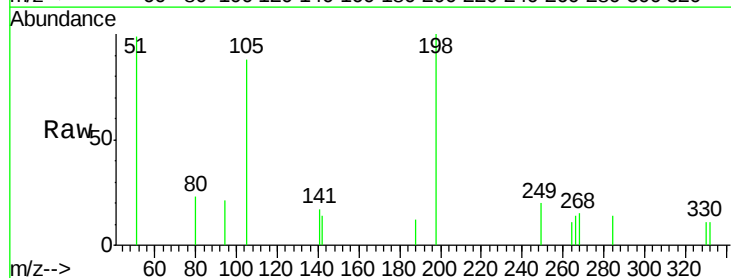
RT: 15.39 min Scan# 623

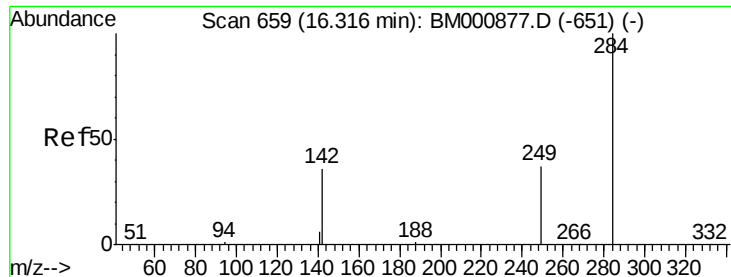
Delta R.T. -0.01 min

Lab File: BM000889.D

Acq: 07 Apr 2015 21:47

Tgt Ion:	198	Resp:	868
Ion Ratio	Lower	Upper	
198	100		
51	98.8	44.6	84.6#
105	87.8	36.0	76.0#





#28

Hexachlorobenzene

Concen: 0.87 ng

RT: 16.33 min Scan# 660

Delta R.T. 0.02 min

Lab File: BM000889.D

Acq: 07 Apr 2015 21:47

Instrument :

BNA_M

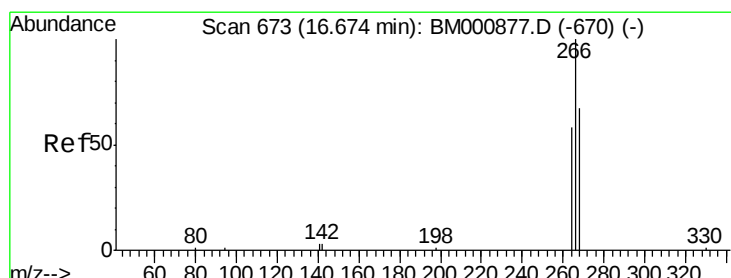
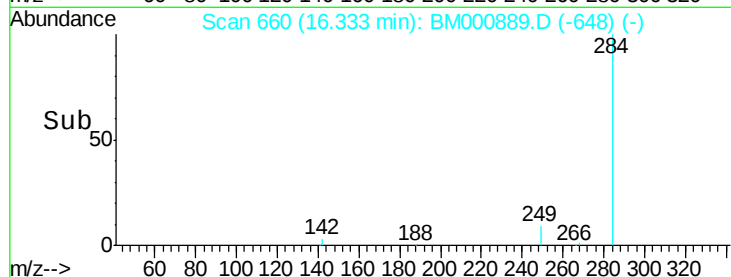
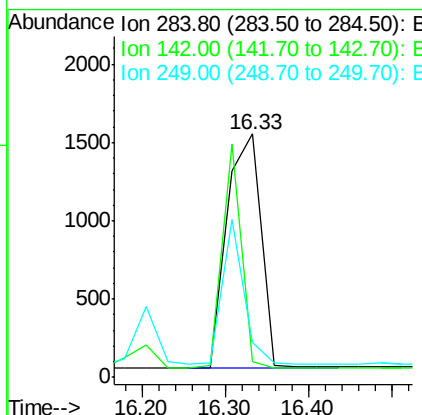
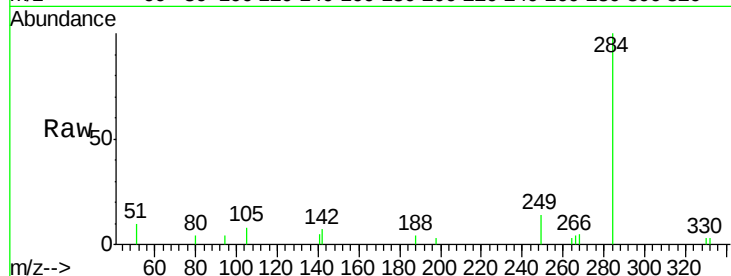
ClientSampleId :

SSTDCCC001

Tot Ion:	284	Resp:	4277
Ion Ratio	Lower	Upper	
284	100		
142	6.7	29.8	44.8#
249	14.3	31.0	46.4#

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#29

Pentachlorophenol

Concen: 1.35 ng

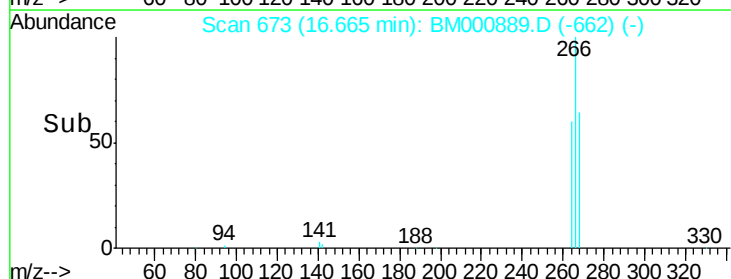
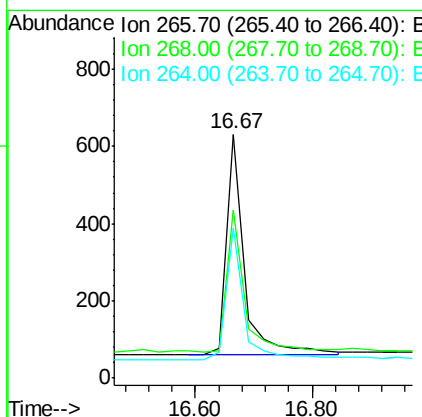
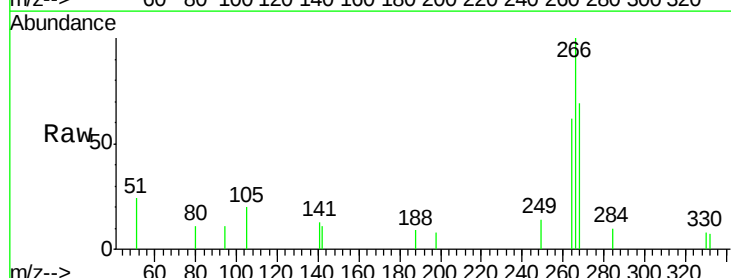
RT: 16.67 min Scan# 673

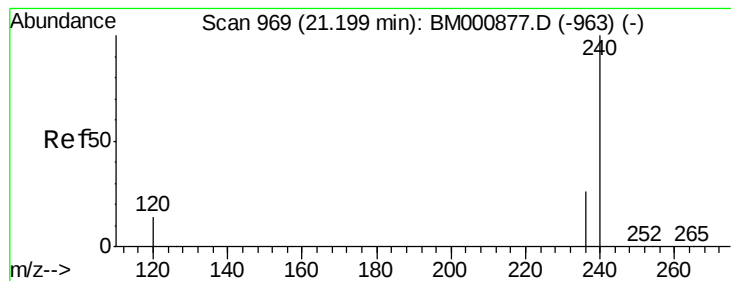
Delta R.T. -0.01 min

Lab File: BM000889.D

Acq: 07 Apr 2015 21:47

Tgt Ion:	266	Resp:	1221
Ion Ratio	Lower	Upper	
266	100		
268	69.1	61.8	92.8
264	61.6	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: BM000889.D

Acq: 07 Apr 2015 21:47

Instrument :

BNA_M

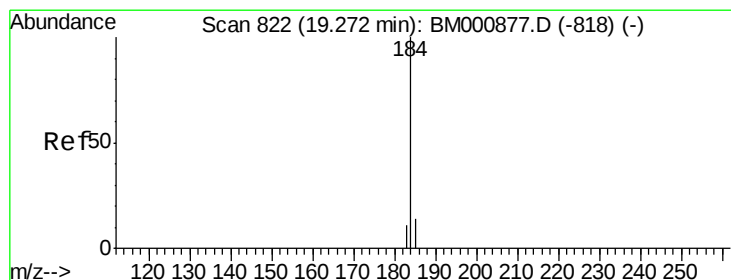
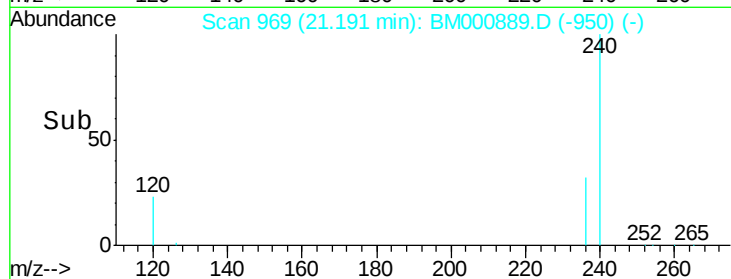
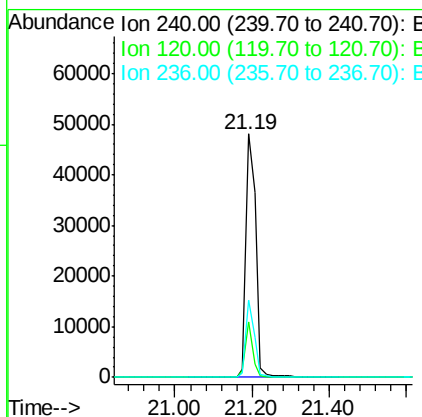
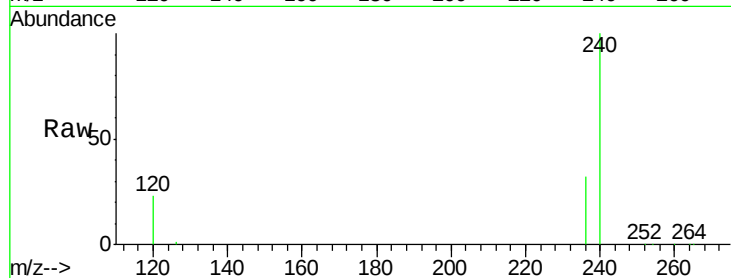
ClientSampleId :

SSTDCCC001

Tot Ion	Ratio	Lower	Upper
240	100		
120	22.9	11.1	16.7#
236	31.8	20.9	31.3#

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#31

Benzidine

Concen: 1.15 ng

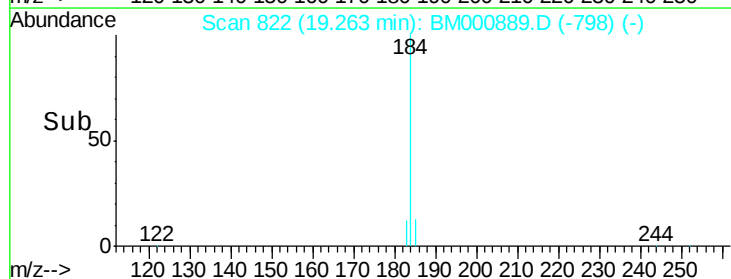
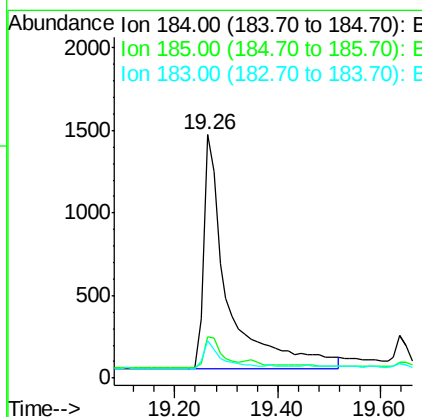
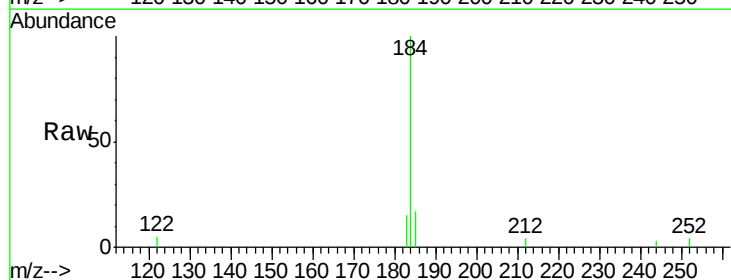
RT: 19.26 min Scan# 822

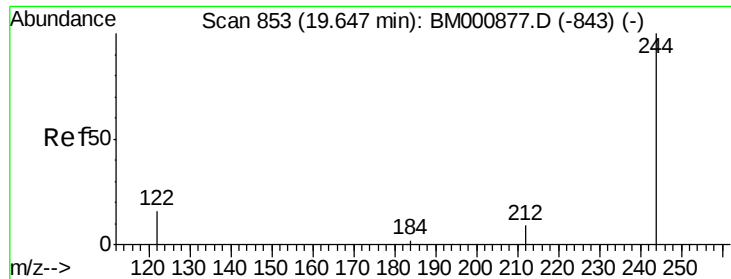
Delta R.T. -0.01 min

Lab File: BM000889.D

Acq: 07 Apr 2015 21:47

Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.8	14.4	21.6
183	15.2	12.6	19.0





#32

Terphenyl-d14

Concen: 1.05 ng

RT: 19.65 min Scan# 854

Delta R.T. 0.00 min

Lab File: BM000889.D

Acq: 07 Apr 2015 21:47

Instrument :

BNA_M

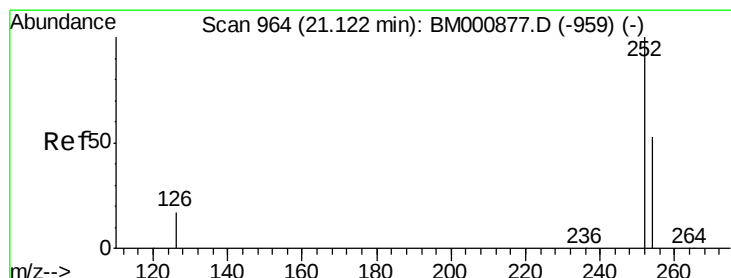
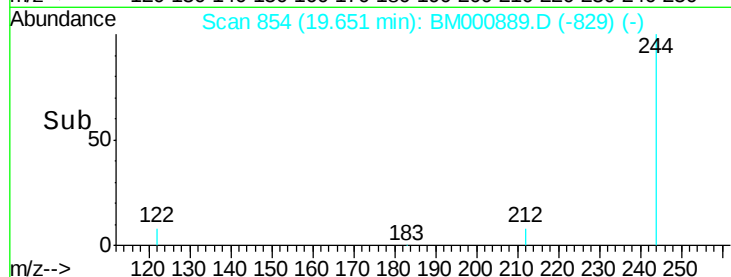
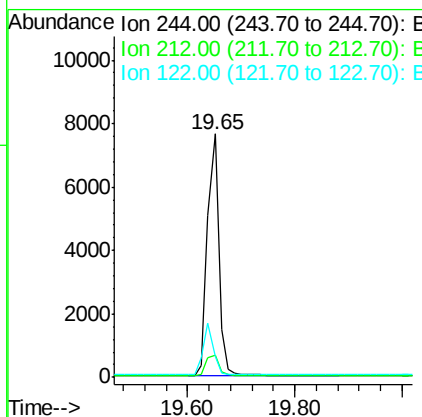
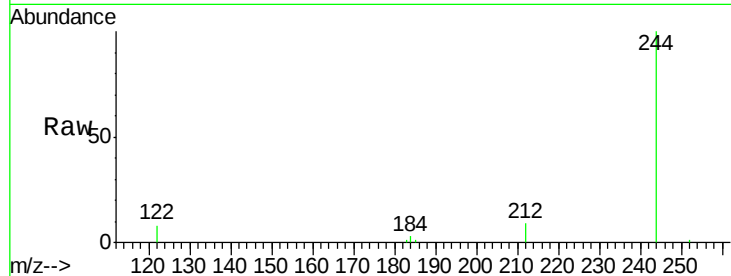
ClientSampleId :

SSTDCCC001

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.2	8.1	12.1
122	8.5	13.6	20.4#

Manual Integrations
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apatel
4/9/2015 8:11:31 AM



#33

3,3'-Dichlorobenzidine

Concen: 1.17 ng

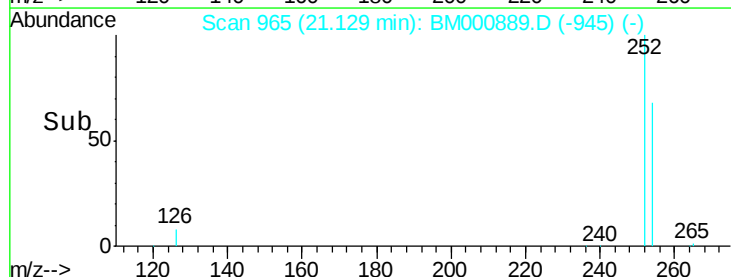
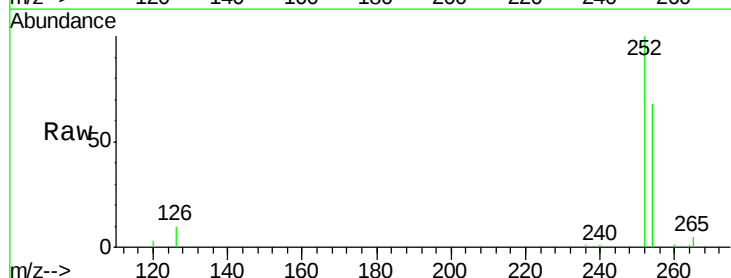
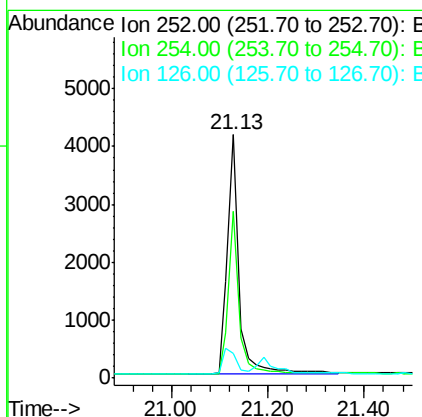
RT: 21.13 min Scan# 965

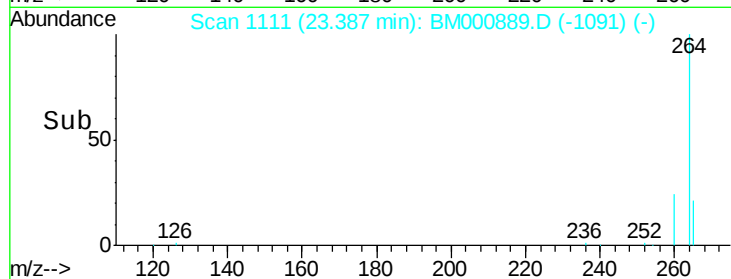
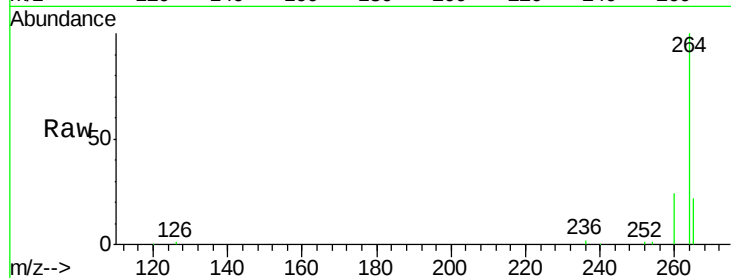
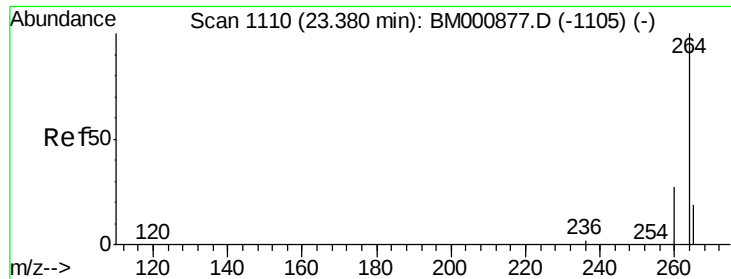
Delta R.T. 0.01 min

Lab File: BM000889.D

Acq: 07 Apr 2015 21:47

Tgt Ion	Ratio	Lower	Upper
252	100		
254	68.4	43.2	64.8#
126	10.0	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: BM000889.D

Acq: 07 Apr 2015 21:47

Tot Ion:	264	Resp:	75297
Ion Ratio	Lower	Upper	
264	100		
260	24.4	21.6	32.4
265	22.0	16.1	24.1

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

Manual Integrations
APPROVED

apatel
4/9/2015 8:11:31 AM

