

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040715\
 Data File : BM000898.D
 Acq On : 08 Apr 2015 03:08
 Operator : TP/IZ
 Sample : G1614-05
 Misc : LOD-WATER-0.1PPM
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-WATER2015-01

Manual Integrations
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Quant Time: Apr 08 18:27:30 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	20832	5.00	ng	-0.04
11) Naphthalene-d8	10.39	136	104334	5.00	ng	0.00
19) Acenaphthene-d10	14.26	164	55760	5.00	ng	0.00
26) Phenanthrene-d10	17.01	188	113031	5.00	ng	0.00
30) Chrysene-d12	21.20	240	98769	5.00	ng	0.00
34) Perylene-d12	23.38	264	89990	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.19	112	87901	12.57	ng	-0.02
5) Phenol-d6	6.77	99	150575	10.51	ng	0.00
12) Nitrobenzene-d5	8.73	82	41942	8.06	ng	-0.04
20) 2,4,6-Tribromophenol	15.75	330	24723	10.56	ng	0.00
23) 2-Fluorobiphenyl	12.87	172	170360	9.91	ng	0.00
32) Terphenyl-d14	19.65	244	130934	10.75	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.12	88	502	0.04	ng	# 51
6) 2-Chlorophenol	7.17	128	742	0.23	ng	80
7) Phenol	6.81	94	577	0.07	ng	# 32
8) bis(2-Chloroethyl)ether	7.02	93	558	0.24	ng	88
9) 2-Methylphenol	8.06	107	436	0.07	ng	# 79
10) 3+4-Methylphenols	8.38	107	519	0.27	ng	# 76
13) Nitrobenzene	8.80	77	524	0.10	ng	# 79
14) 2-Nitrophenol	9.52	139	162m	0.18	ng	
15) 2,4-Dimethylphenol	9.58	122	358	0.06	ng	# 74
16) 2,4-Dichlorophenol	10.07	162	373	0.27	ng	# 71
17) Hexachlorobutadiene	10.72	225	338	0.07	ng	88
18) 4-Chloro-3-methylphenol	11.69	107	360	0.27	ng	# 82
21) 2,4,6-Trichlorophenol	12.69	196	189	0.28	ng	# 86
22) 2,4,5-Trichlorophenol	12.77	196	244	0.24	ng	87
25) 4-Nitrophenol	14.55	139	21m	0.12	ng	
28) Hexachlorobenzene	16.32	284	468	0.06	ng	# 83
31) Benzidine	19.30	184	227	0.05	ng	# 3
33) 3,3'-Dichlorobenzidine	21.14	252	452	0.06	ng	# 66

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

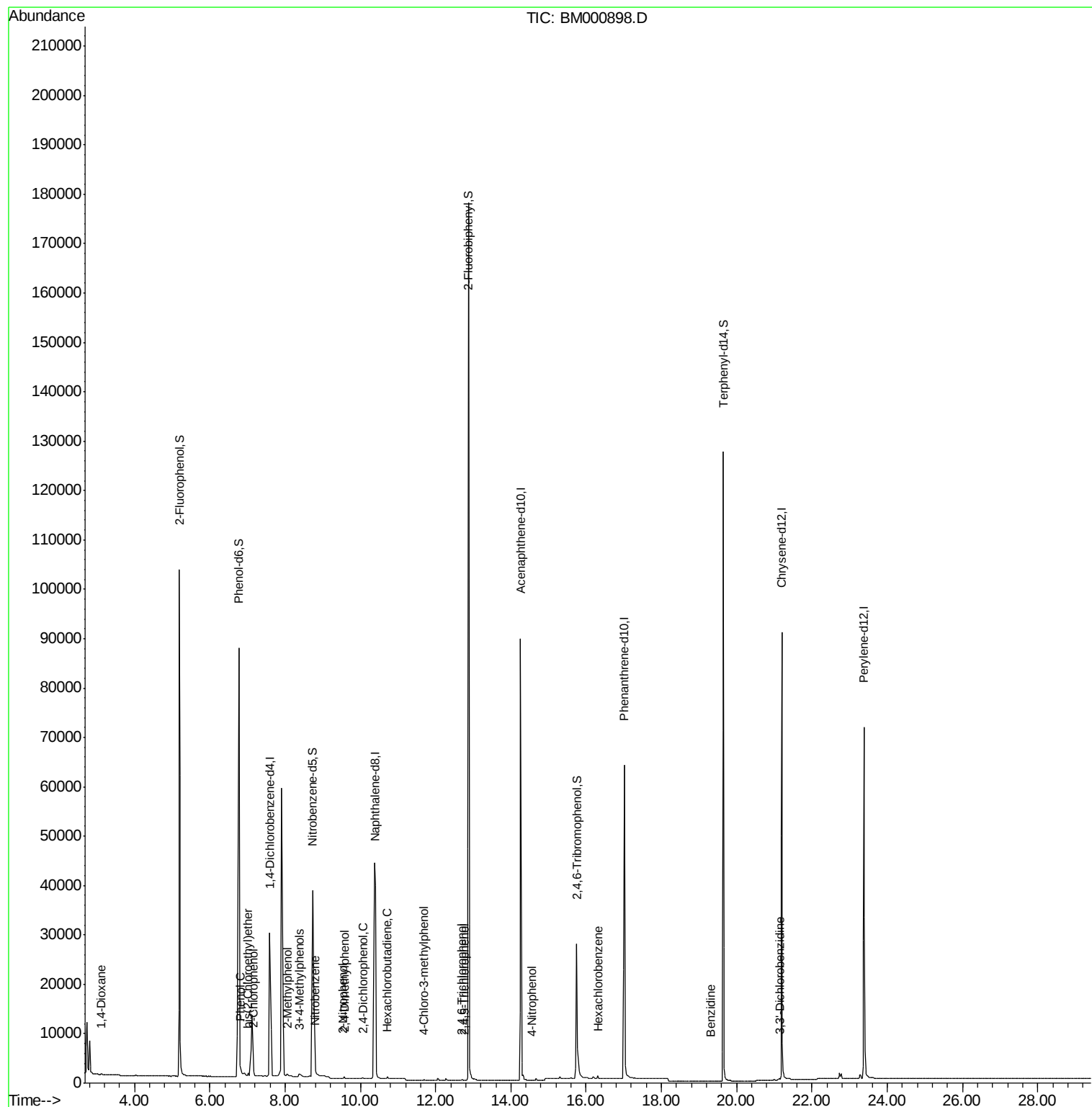
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040715\
Data File : BM000898.D
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Operator : TP/IZ
Sample : G1614-05
Misc : LOD-WATER-0.1PPM
ALS Vial : 58 Sample Multiplier: 1

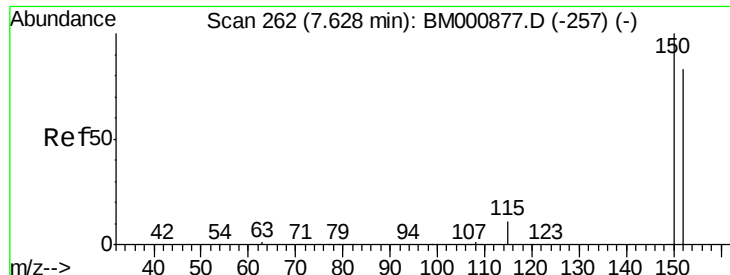
Instrument :
BNA_M
ClientSampleId :
LOD-WATER2015-01

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#1

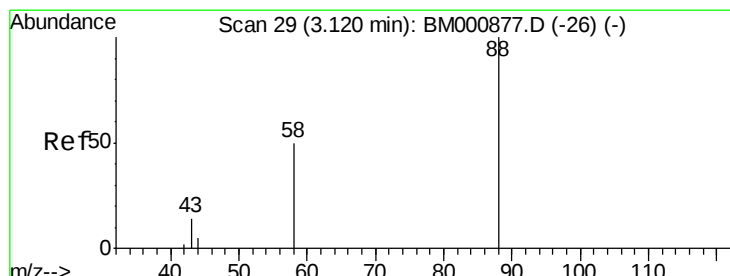
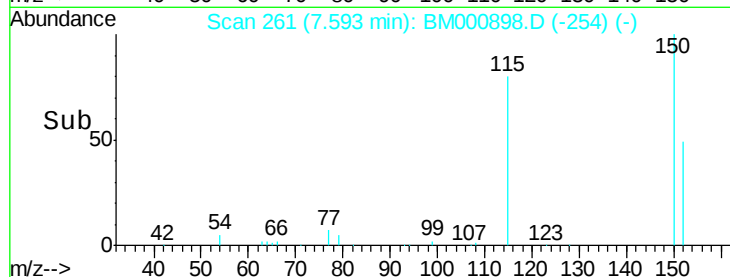
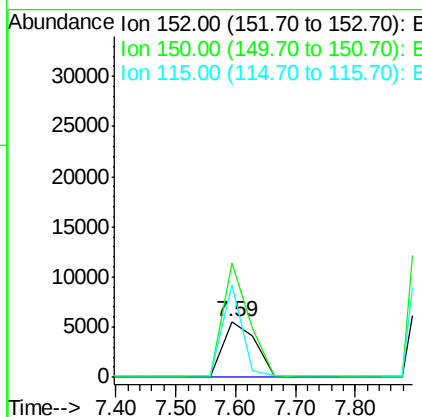
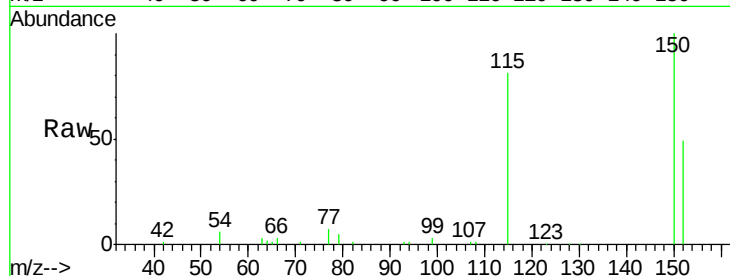
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.59 min Scan# 261
Delta R.T. -0.04 min
Lab File: BM000898.D
Acq: 08 Apr 2015 03:08

Instrument :
BNA_M
ClientSampleId :
LOD-WATER2015-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	204.5	96.5	144.7#
115	165.1	11.9	17.9#

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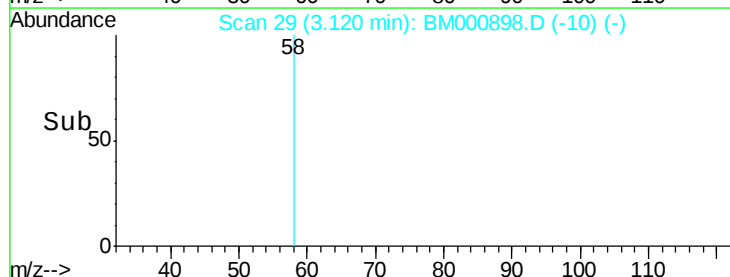
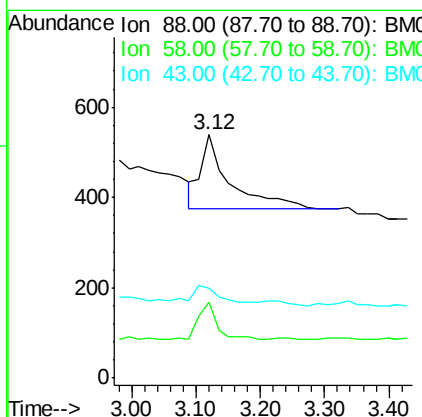
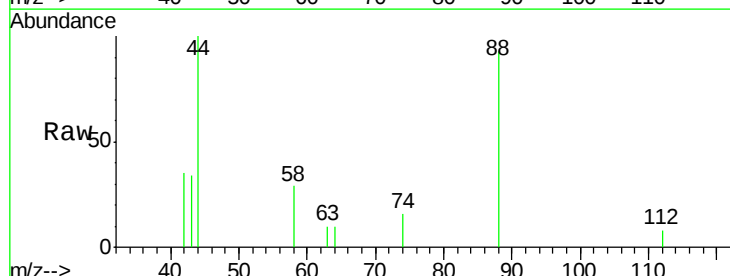
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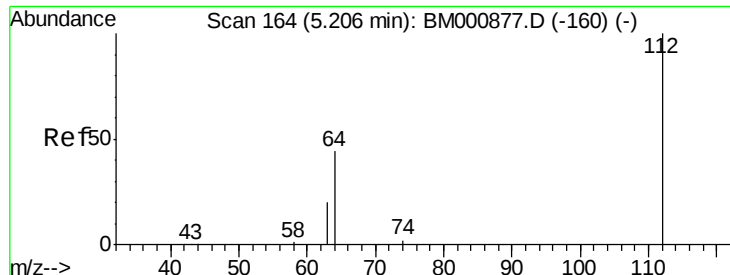


#2

1,4-Dioxane
Concen: 0.04 ng
RT: 3.12 min Scan# 29
Delta R.T. 0.00 min
Lab File: BM000898.D
Acq: 08 Apr 2015 03:08

Tgt Ion	Ratio	Lower	Upper
88	100		
58	32.9	56.7	85.1#
43	0.0	25.0	37.6#





#4

2-Fluorophenol

Concen: 12.57 ng

RT: 5.19 min Scan# 163

Delta R.T. -0.02 min

Lab File: BM000898.D

Acq: 08 Apr 2015 03:08

Instrument :

BNA_M

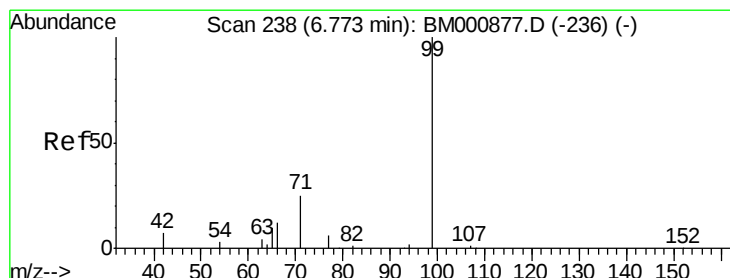
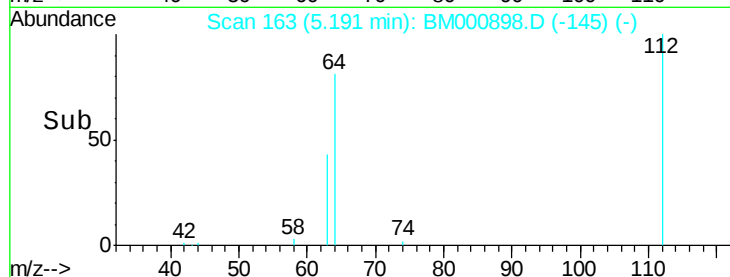
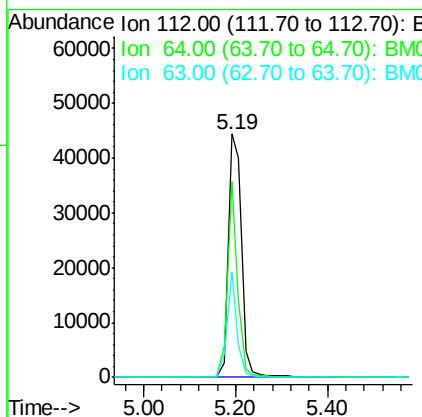
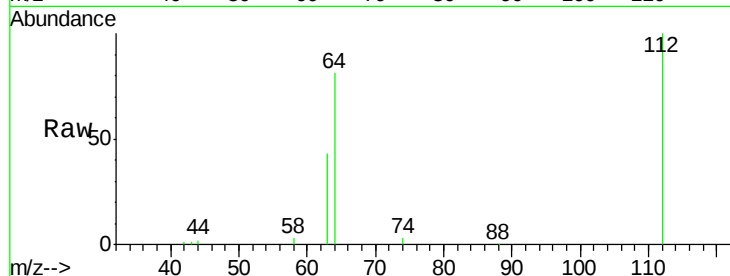
ClientSampleId :

LOD-WATER2015-01

Tot Ion:	112	Resp:	87901
Ion Ratio	Lower	Upper	
112	100		
64	80.7	35.7	53.5#
63	43.2	17.0	25.4#

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#5

Phenol-d6

Concen: 10.51 ng

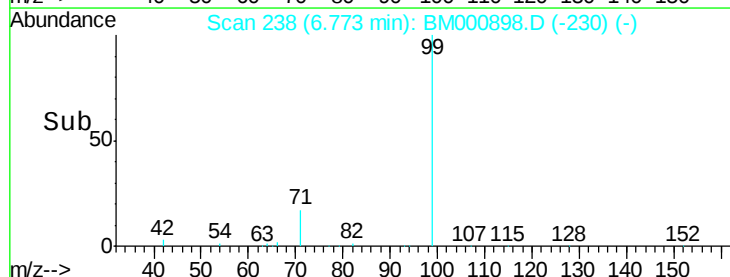
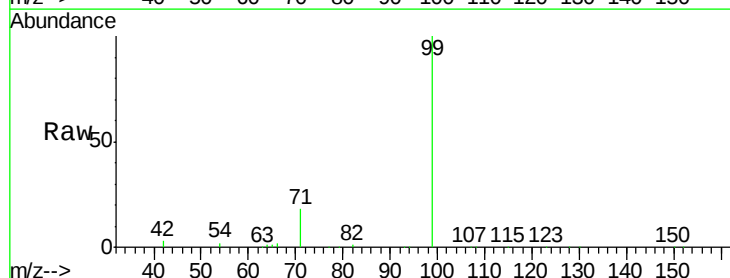
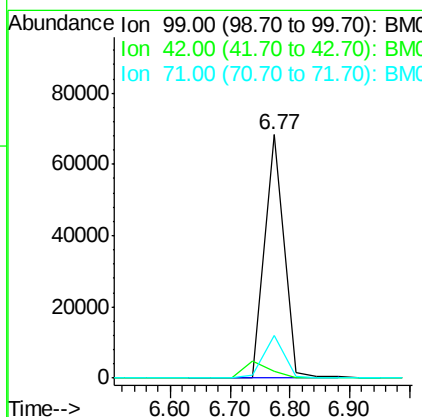
RT: 6.77 min Scan# 238

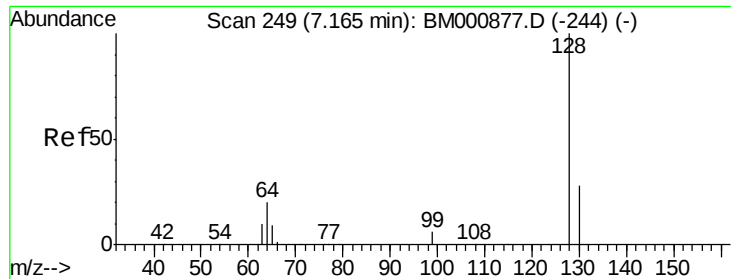
Delta R.T. 0.00 min

Lab File: BM000898.D

Acq: 08 Apr 2015 03:08

Tgt Ion:	99	Resp:	150575
Ion Ratio	Lower	Upper	
99	100		
42	2.9	7.5	11.3#
71	17.5	21.3	31.9#





#6

2-Chlorophenol

Concen: 0.23 ng

RT: 7.17 min Scan# 249

Delta R.T. 0.00 min

Lab File: BM000898.D

Acq: 08 Apr 2015 03:08

Instrument :

BNA_M

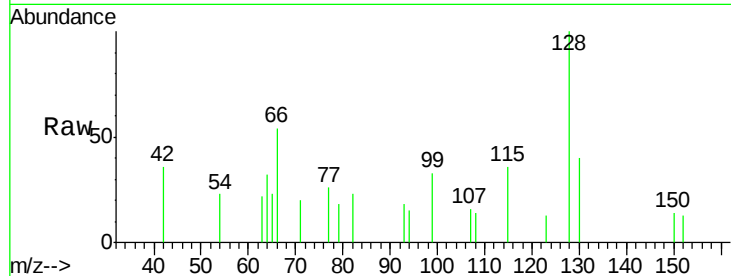
ClientSampleId :

LOD-WATER2015-01

Tot Ion:	128	Resp:	742
Ion Ratio	Lower	Upper	
128	100		
130	40.1	9.4	49.4
64	31.8	2.1	42.1

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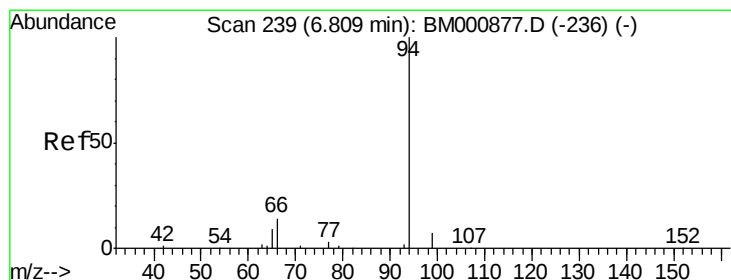
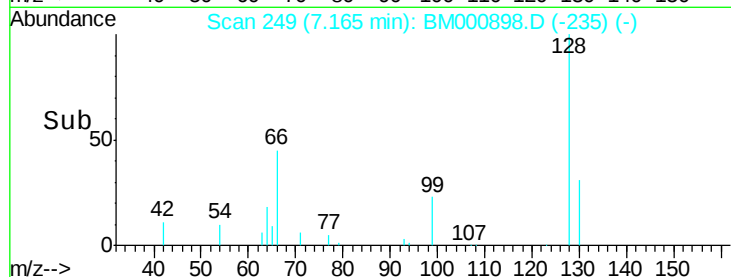
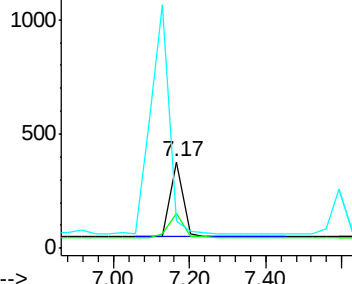
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BM



#7

Phenol

Concen: 0.07 ng

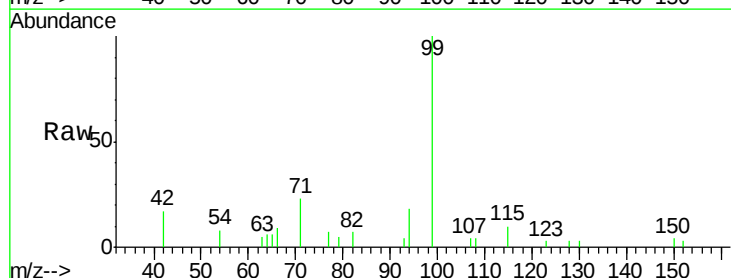
RT: 6.81 min Scan# 239

Delta R.T. 0.00 min

Lab File: BM000898.D

Acq: 08 Apr 2015 03:08

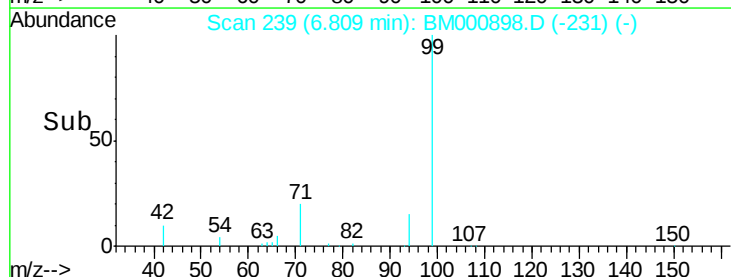
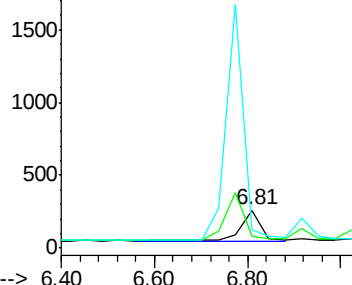
Tgt Ion:	94	Resp:	577
Ion Ratio	Lower	Upper	
94	100		
65	31.2	0.0	30.9#
66	48.8	0.0	35.8#

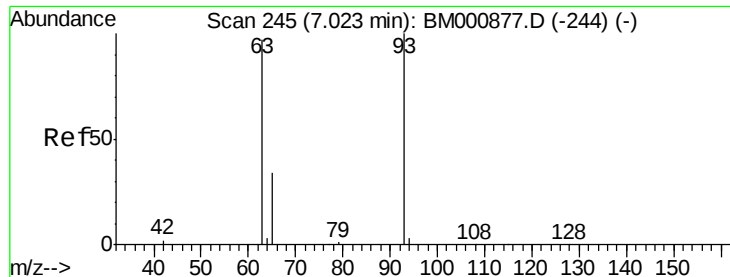


Abundance Ion 94.00 (93.70 to 94.70): BM

Ion 65.00 (64.70 to 65.70): BM

Ion 66.00 (65.70 to 66.70): BM





#8

bis(2-Chloroethyl)ether

Concen: 0.24 ng

RT: 7.02 min Scan# 245

Delta R.T. 0.00 min

Lab File: BM000898.D

Acq: 08 Apr 2015 03:08

Instrument :

BNA_M

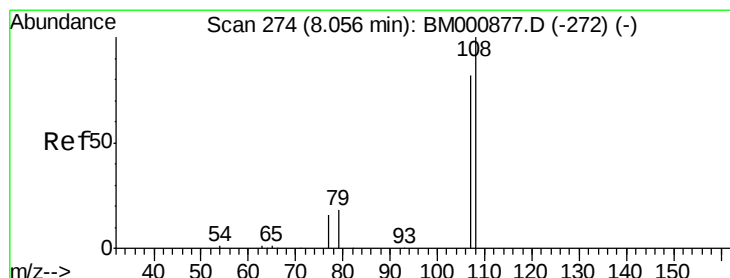
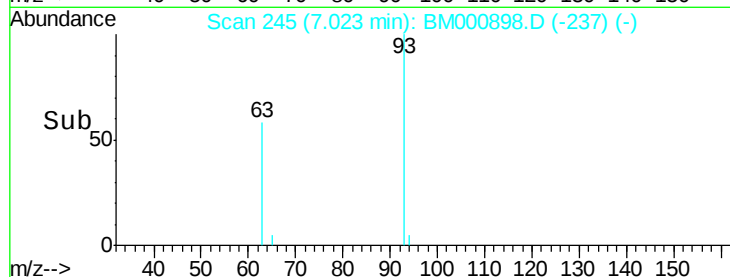
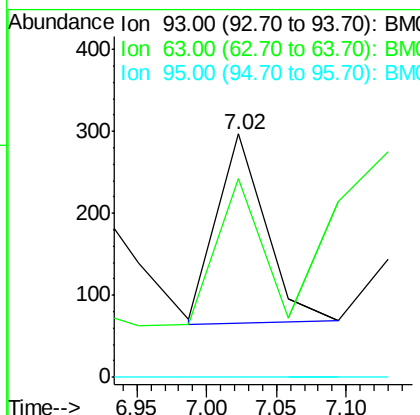
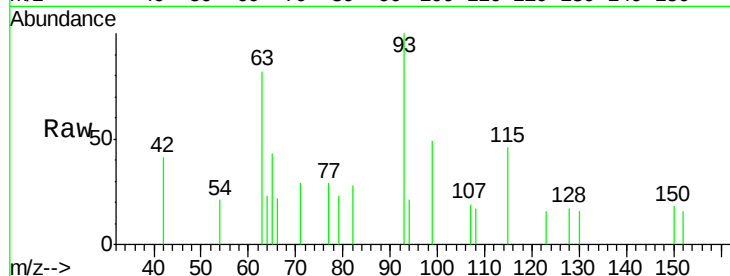
ClientSampleId :

LOD-WATER2015-01

Tot Ion:	93	Resp:	558
Ion	Ratio	Lower	Upper
93	100		
63	81.8	73.3	113.3
95	0.0	0.0	20.0

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#9

2-Methylphenol

Concen: 0.07 ng

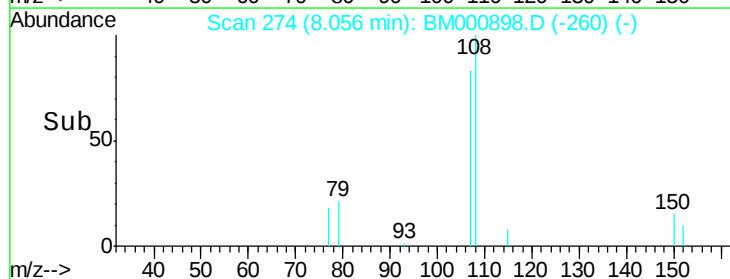
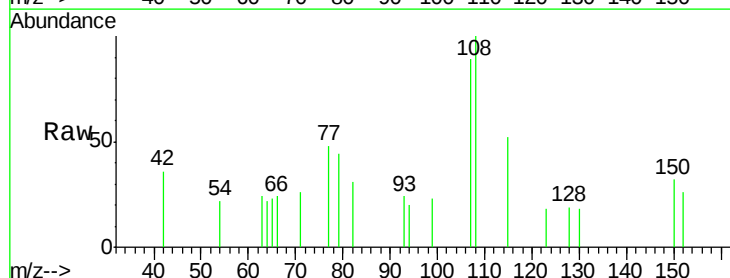
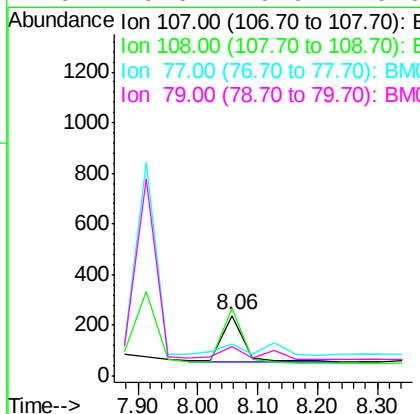
RT: 8.06 min Scan# 274

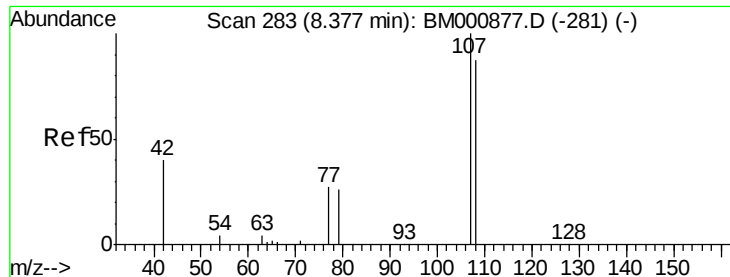
Delta R.T. 0.00 min

Lab File: BM000898.D

Acq: 08 Apr 2015 03:08

Tgt Ion:	107	Resp:	436
Ion	Ratio	Lower	Upper
107	100		
108	112.6	96.7	145.1
77	53.8	18.3	27.5#
79	49.6	19.9	29.9#





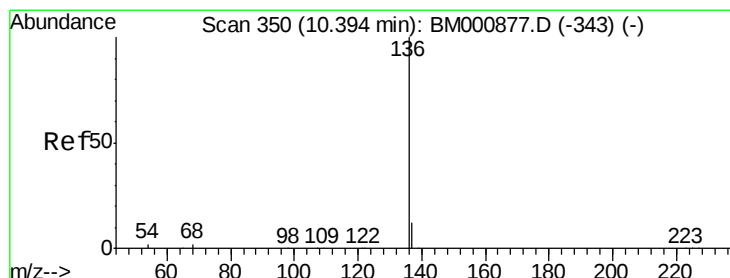
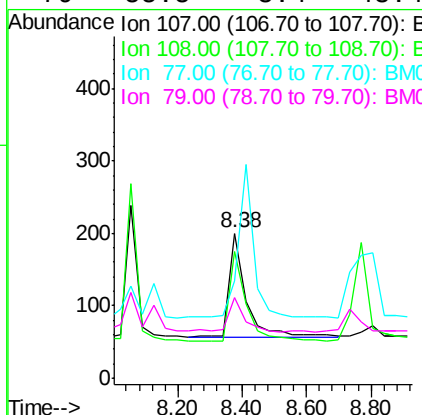
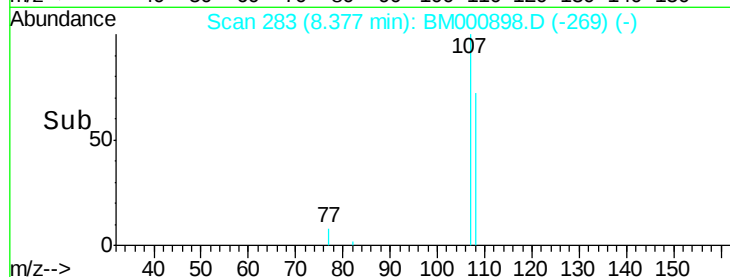
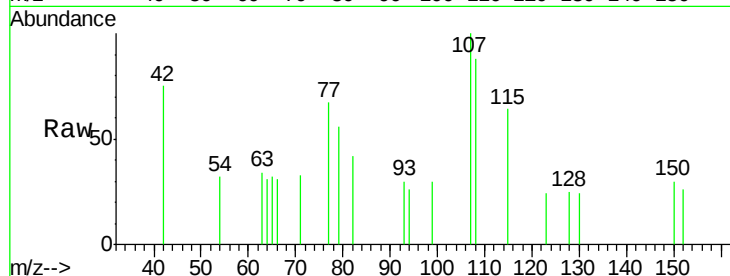
#10
3+4-Methylphenols
Concen: 0.27 ng
RT: 8.38 min Scan# 283
Delta R.T. 0.00 min
Lab File: BM000898.D
Acq: 08 Apr 2015 03:08

Instrument :
BNA_M
ClientSampleId :
LOD-WATER2015-01

Tot Ion:	107	Resp:	519
Ion Ratio	Lower	Upper	
107	100		
108	87.5	67.6	107.6
77	67.0	10.0	50.0#
79	55.5	8.4	48.4#

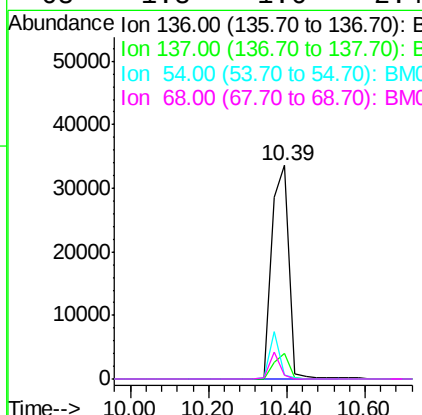
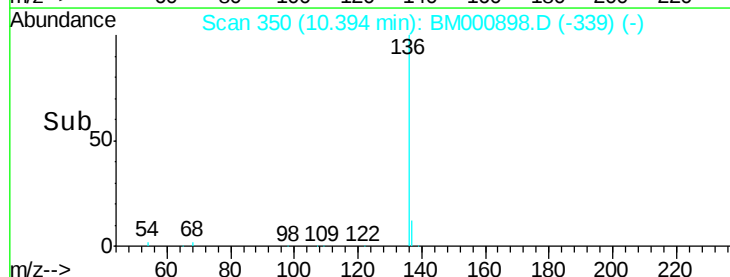
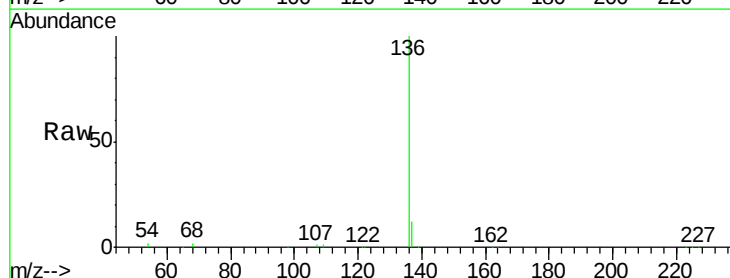
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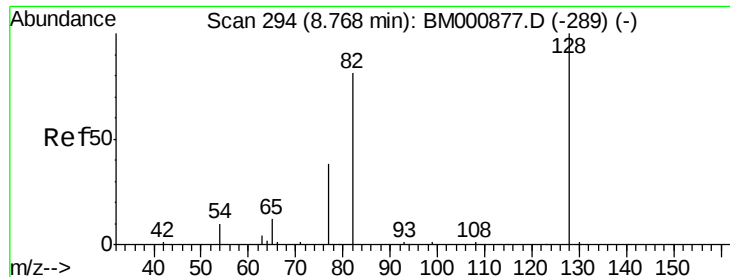
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#11
Naphthalene-d8
Concen: 5.00 ng
RT: 10.39 min Scan# 350
Delta R.T. 0.00 min
Lab File: BM000898.D
Acq: 08 Apr 2015 03:08

Tgt Ion:	136	Resp:	104334
Ion Ratio	Lower	Upper	
136	100		
137	12.2	9.6	14.4
54	1.8	1.5	2.3
68	1.8	1.6	2.4





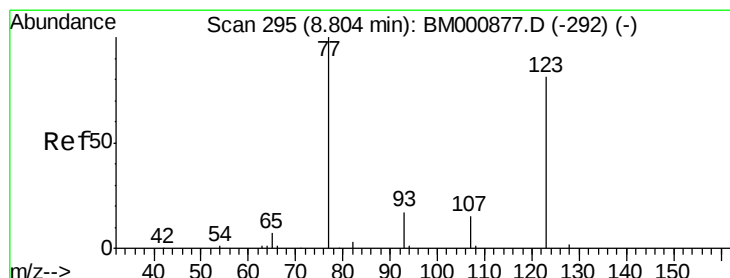
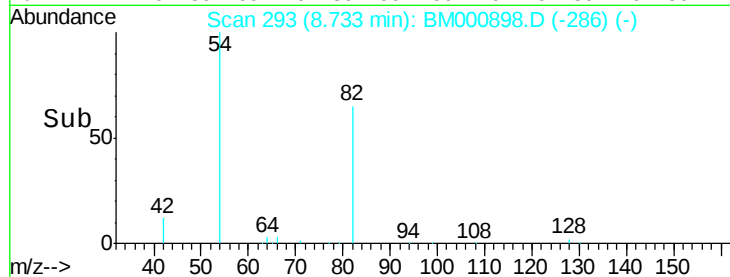
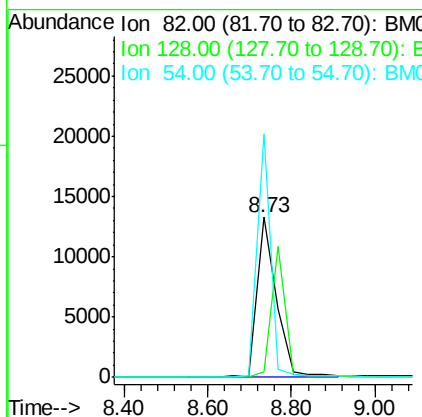
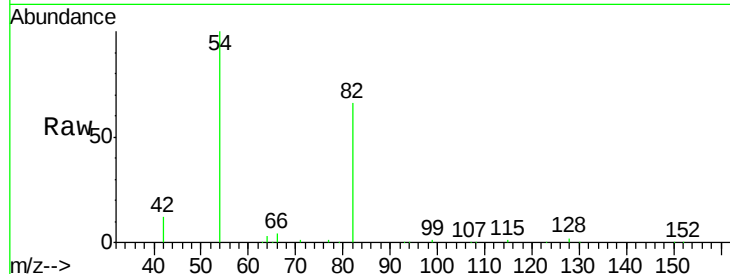
#12
Nitrobenzene-d5
Concen: 8.06 ng
RT: 8.73 min Scan# 293
Delta R.T. -0.04 min
Lab File: BM000898.D
Acq: 08 Apr 2015 03:08

Instrument :
BNA_M
ClientSampleId :
LOD-WATER2015-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	3.4	96.2	144.2#
54	152.2	15.0	22.6#

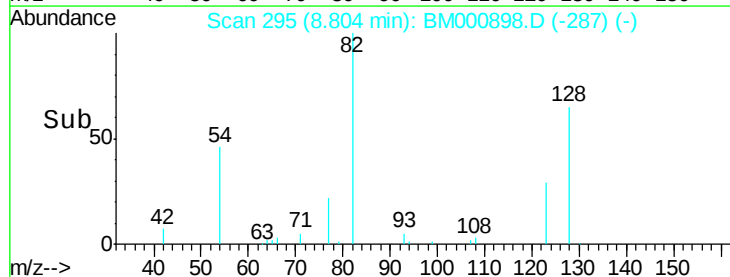
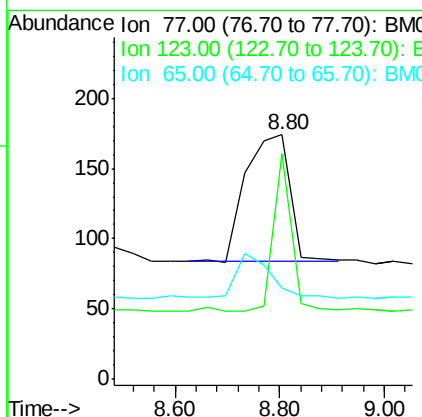
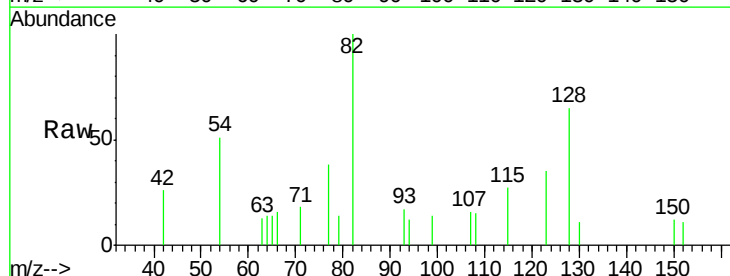
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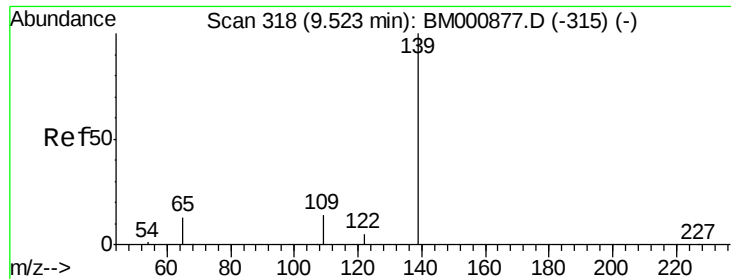
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#13
Nitrobenzene
Concen: 0.10 ng
RT: 8.80 min Scan# 295
Delta R.T. 0.00 min
Lab File: BM000898.D
Acq: 08 Apr 2015 03:08

Tgt Ion	Ratio	Lower	Upper
77	100		
123	92.5	64.0	96.0
65	37.4	8.7	13.1#





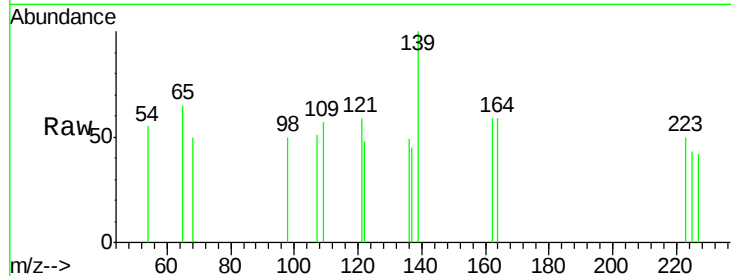
#14
2-Nitrophenol
Concen: 0.18 ng/ml
RT: 9.52 min Scan# 318
Delta R.T. 0.00 min
Lab File: BM000898.D
Acq: 08 Apr 2015 03:08

Instrument :
BNA_M
ClientSampleId :
LOD-WATER2015-01

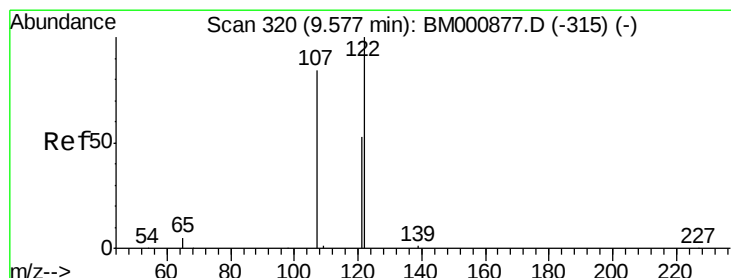
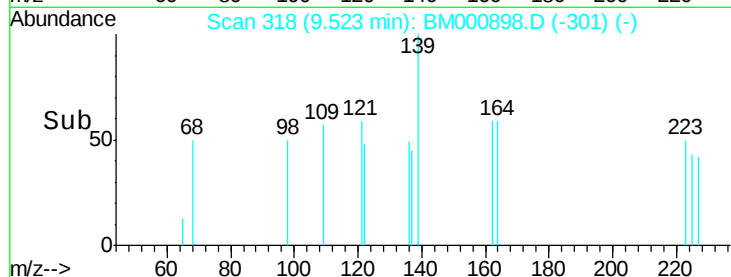
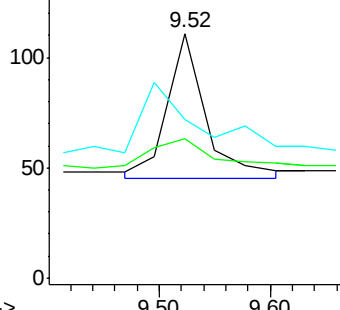
Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	56.8	15.8	23.8#	
65	64.9	16.2	24.2#	

Manual Integrations
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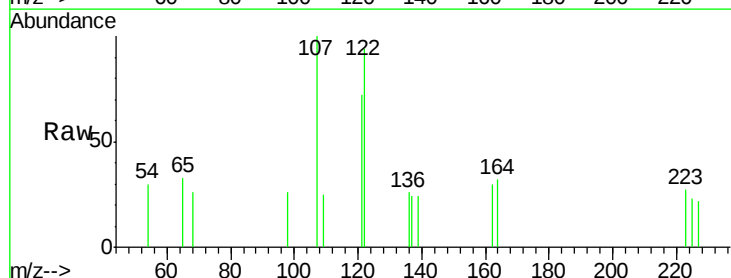


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BM

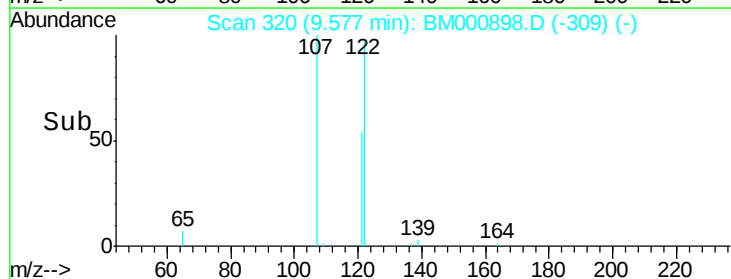
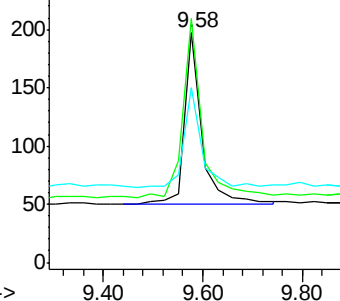


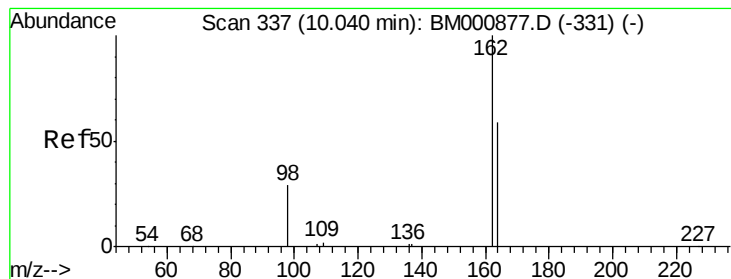
#15
2,4-Dimethylphenol
Concen: 0.06 ng/ml
RT: 9.58 min Scan# 320
Delta R.T. 0.00 min
Lab File: BM000898.D
Acq: 08 Apr 2015 03:08

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
107	106.1	67.4	101.2#	
121	76.1	43.5	65.3#	



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





#16

2,4-Dichlorophenol

Concen: 0.27 ng

RT: 10.07 min Scan# 338

Delta R.T. 0.03 min

Lab File: BM000898.D

Acq: 08 Apr 2015 03:08

Instrument :

BNA_M

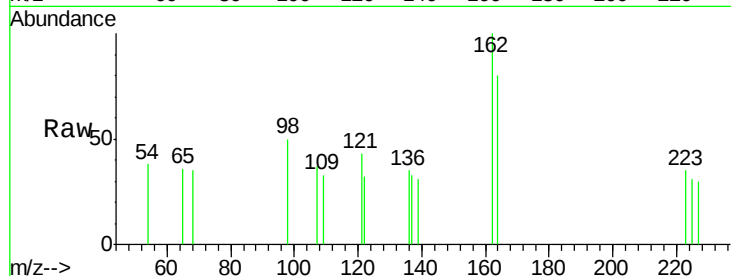
ClientSampleId :

LOD-WATER2015-01

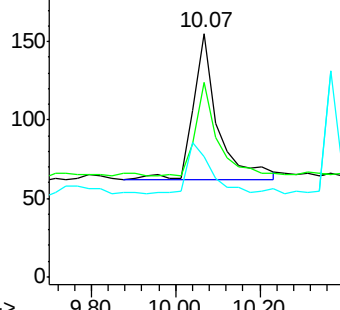
Tot Ion:	162	Resp:	373
Ion	Ratio	Lower	Upper
162	100		
164	80.0	39.9	79.9#
98	49.7	11.3	51.3

Manual Integrations
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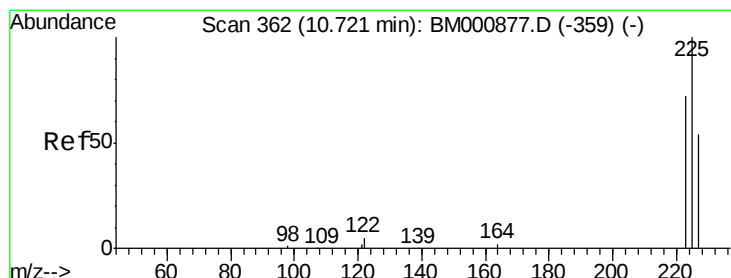
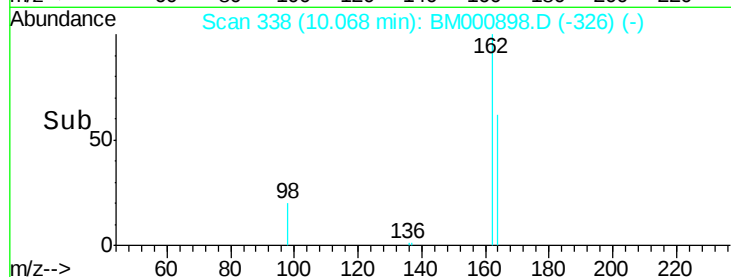
apatel
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Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BM



Time-->



#17

Hexachlorobutadiene

Concen: 0.07 ng

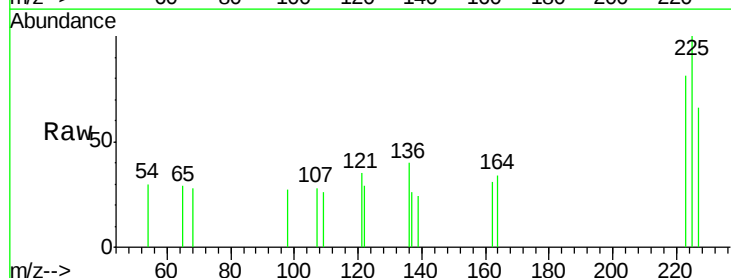
RT: 10.72 min Scan# 362

Delta R.T. 0.00 min

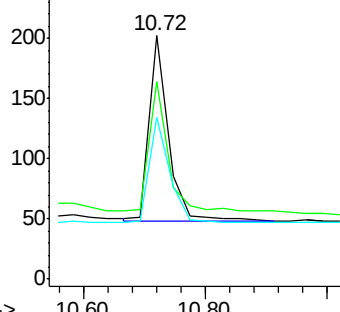
Lab File: BM000898.D

Acq: 08 Apr 2015 03:08

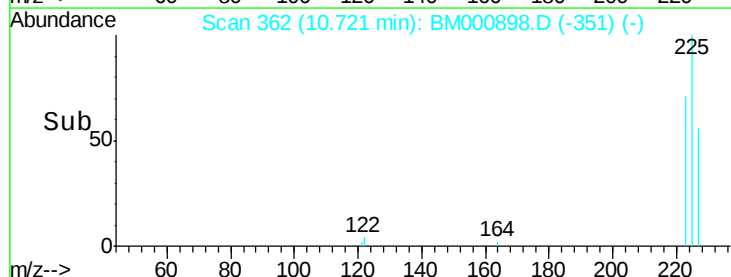
Tgt Ion:	225	Resp:	338
Ion	Ratio	Lower	Upper
225	100		
223	81.2	58.3	87.5
227	66.3	44.5	66.7

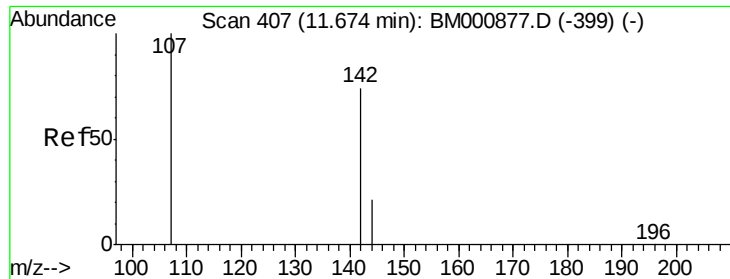


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E



Time-->





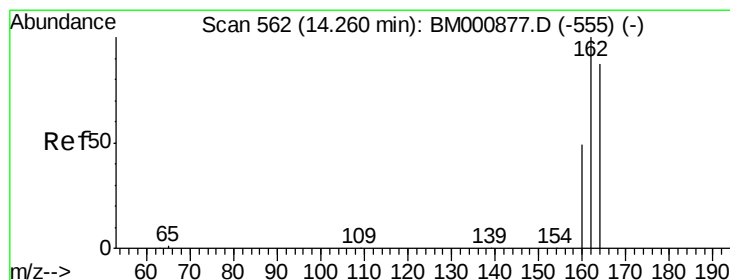
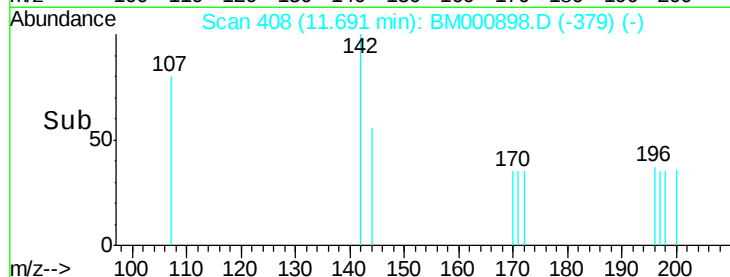
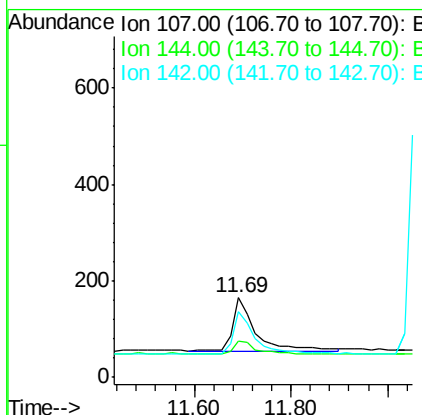
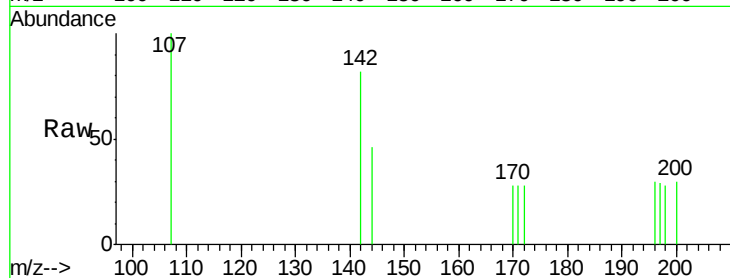
#18
4-Chloro-3-methylphenol
Concen: 0.27 ng
RT: 11.69 min Scan# 408
Delta R.T. 0.02 min
Lab File: BM000898.D
Acq: 08 Apr 2015 03:08

Instrument :
BNA_M
ClientSampleId :
LOD-WATER2015-01

Tot Ion:107 Resp: 360
Ion Ratio Lower Upper
107 100
144 46.1 18.4 27.6#
142 82.4 59.9 89.9

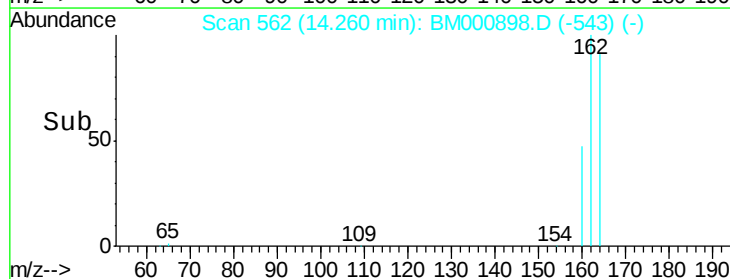
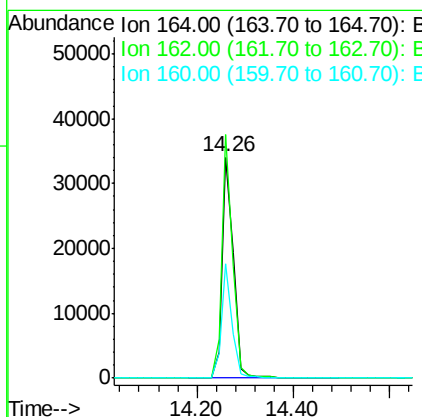
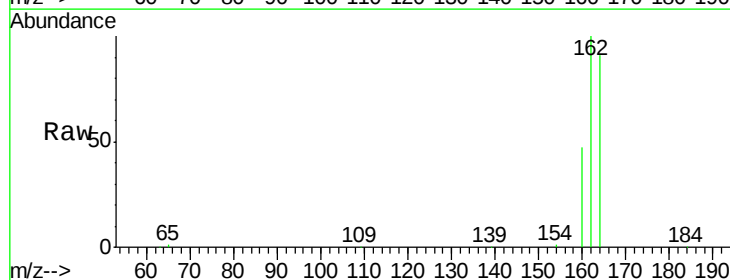
Manual Integrations
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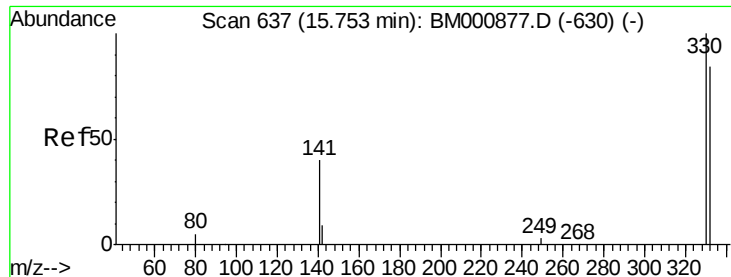
apatel
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#19
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.26 min Scan# 562
Delta R.T. 0.00 min
Lab File: BM000898.D
Acq: 08 Apr 2015 03:08

Tgt Ion:164 Resp: 55760
Ion Ratio Lower Upper
164 100
162 110.3 91.8 137.6
160 51.8 44.6 67.0





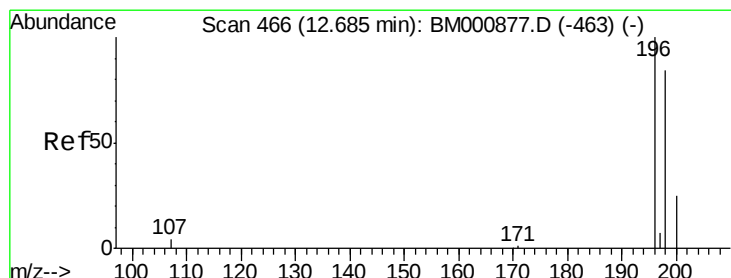
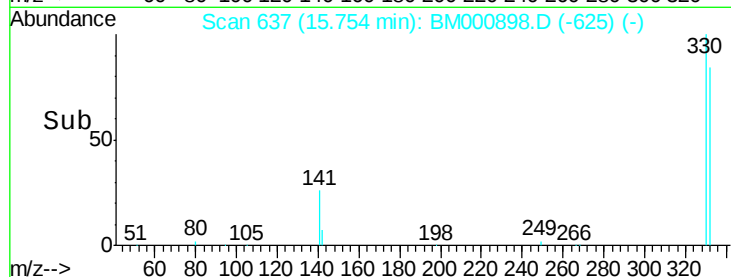
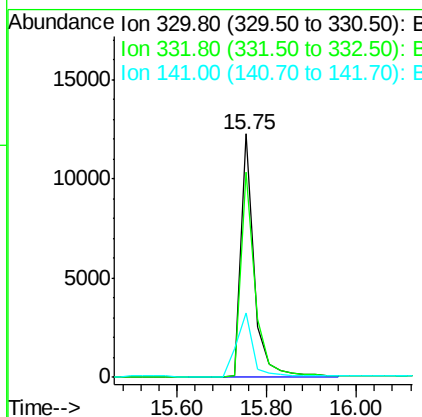
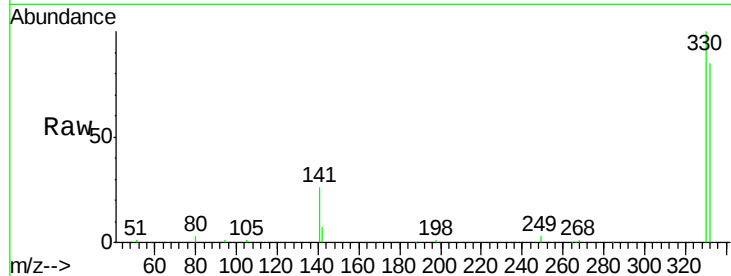
#20
 2,4,6-Tribromophenol
 Concen: 10.56 ng
 RT: 15.75 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: BM000898.D
 Acq: 08 Apr 2015 03:08

Instrument :
 BNA_M
 ClientSampleId :
 LOD-WATER2015-01

Tot Ion	Ratio	Lower	Upper
330	100		
332	90.5	72.6	109.0
141	33.5	29.8	44.6

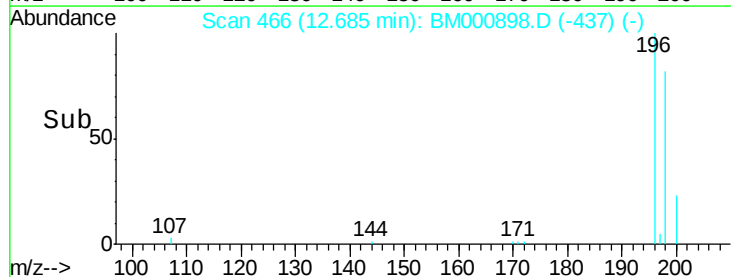
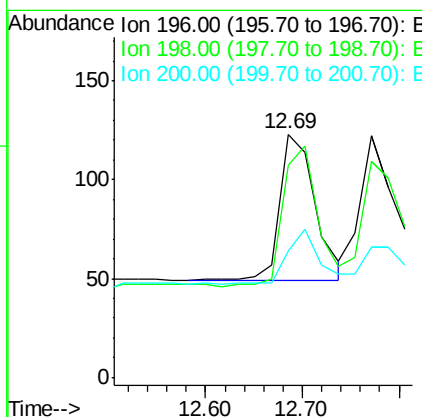
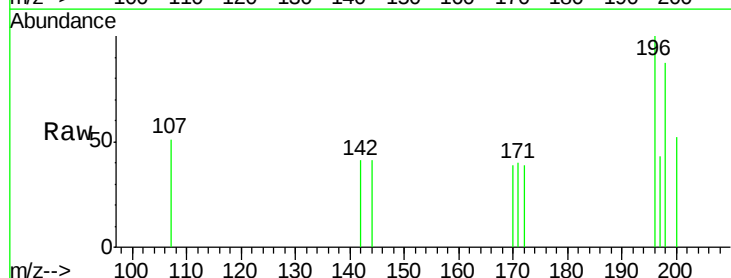
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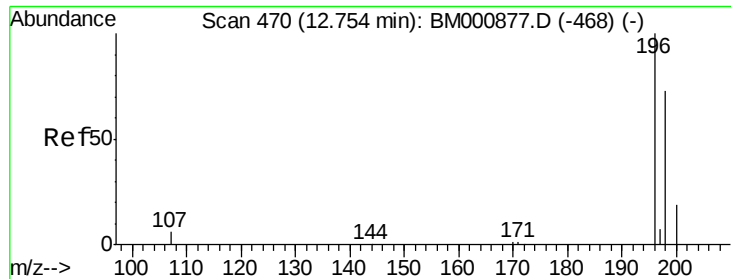
apatel
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#21
 2,4,6-Trichlorophenol
 Concen: 0.28 ng
 RT: 12.69 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: BM000898.D
 Acq: 08 Apr 2015 03:08

Tgt Ion	Ratio	Lower	Upper
196	100		
198	87.0	67.5	101.3
200	52.0	22.1	33.1#





#22

2,4,5-Trichlorophenol

Concen: 0.24 ng

RT: 12.77 min Scan# 471

Delta R.T. 0.02 min

Lab File: BM000898.D

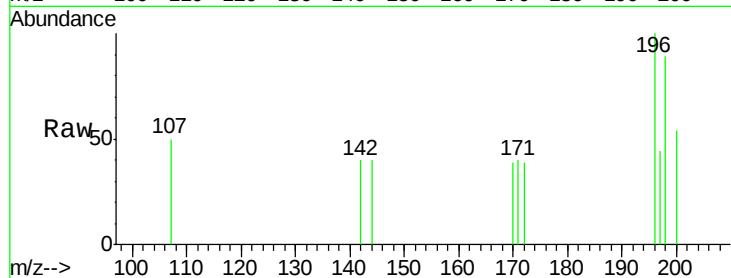
Acq: 08 Apr 2015 03:08

Instrument :

BNA_M

ClientSampleId :

LOD-WATER2015-01



Tot Ion:196 Resp: 244

Ion Ratio Lower Upper

196 100

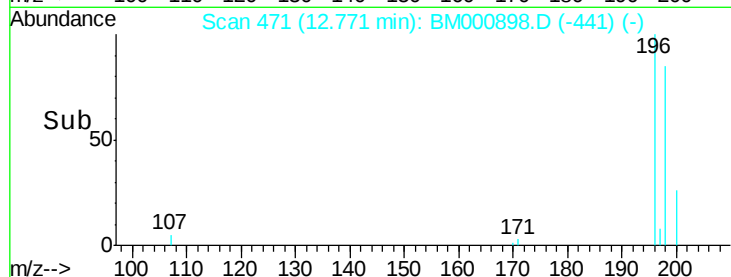
198 89.3 62.7 94.1

97 0.0 0.0 0.0

132 0.0 0.0 0.0

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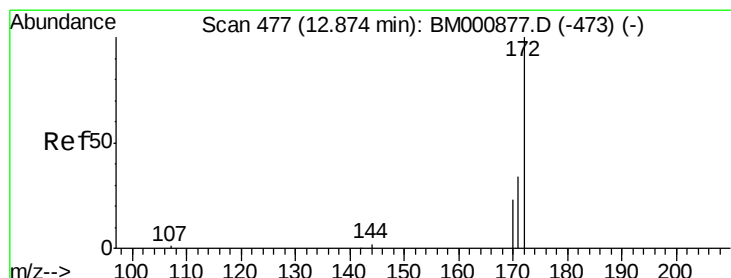
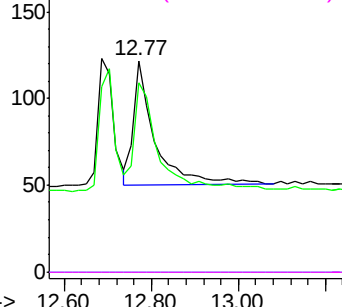


Abundance Ion 196.00 (195.70 to 196.70): E

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: 9.91 ng

RT: 12.87 min Scan# 477

Delta R.T. 0.00 min

Lab File: BM000898.D

Acq: 08 Apr 2015 03:08

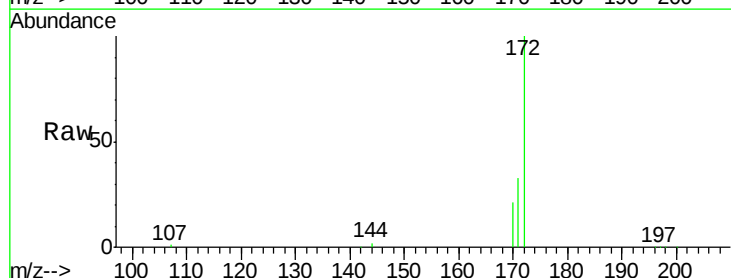
Tgt Ion:172 Resp: 170360

Ion Ratio Lower Upper

172 100

171 33.1 27.8 41.8

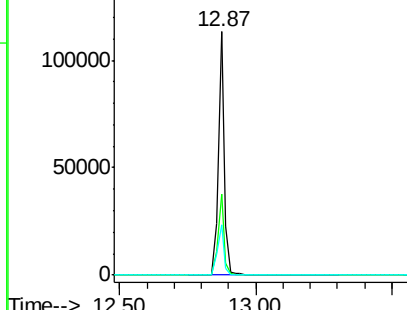
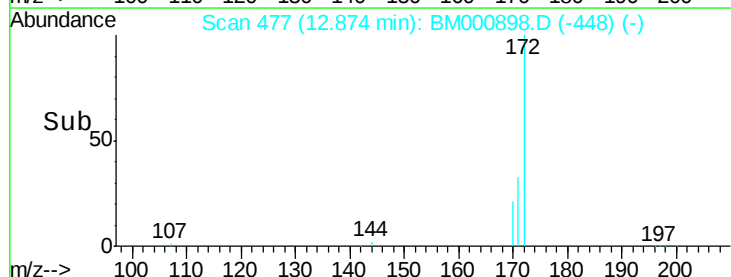
170 20.9 19.0 28.6

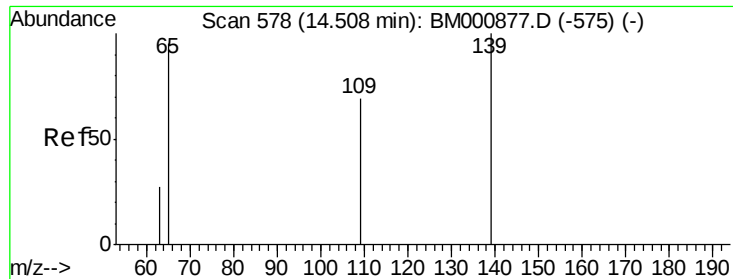


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





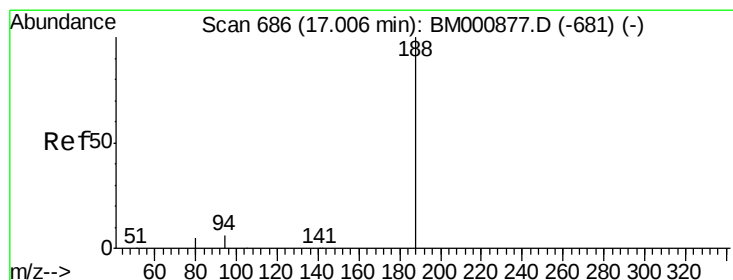
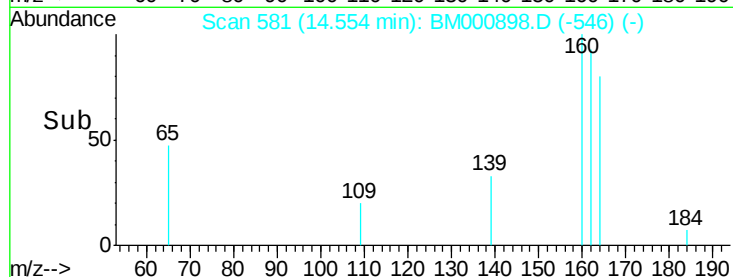
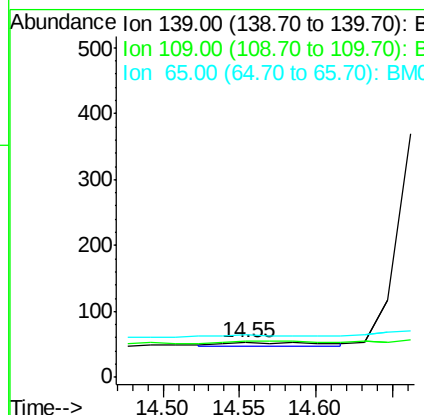
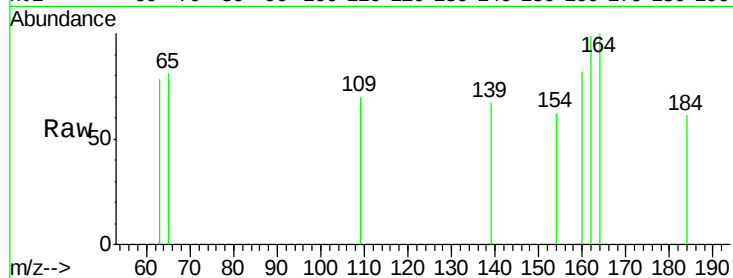
#25
4-Nitrophenol
Concen: 0.12 ng/ml
RT: 14.55 min Scan# 581
Delta R.T. 0.05 min
Lab File: BM000898.D
Acq: 08 Apr 2015 03:08

Instrument :
BNA_M
ClientSampleId :
LOD-WATER2015-01

Tot Ion	Ratio	Lower	Upper
139	100		
109	103.8	58.4	98.4
65	120.8	87.7	127.7

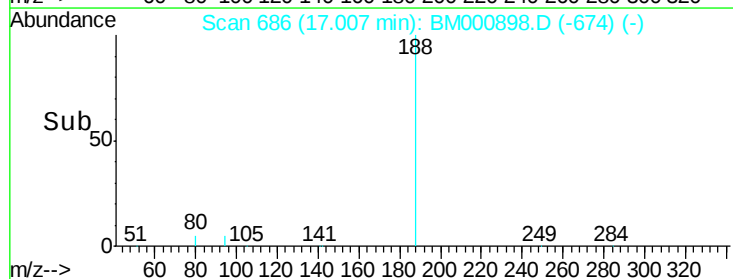
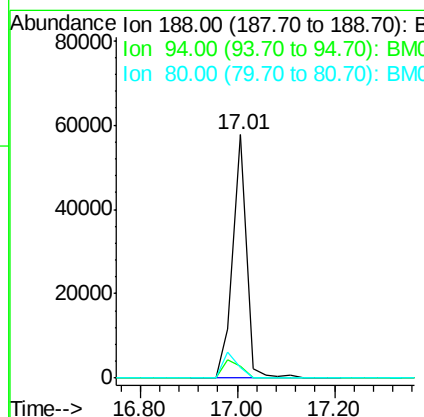
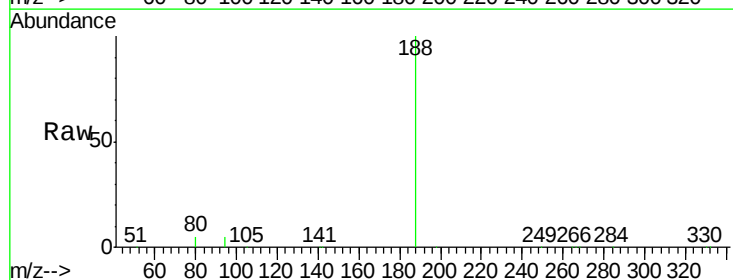
Manual Integrations
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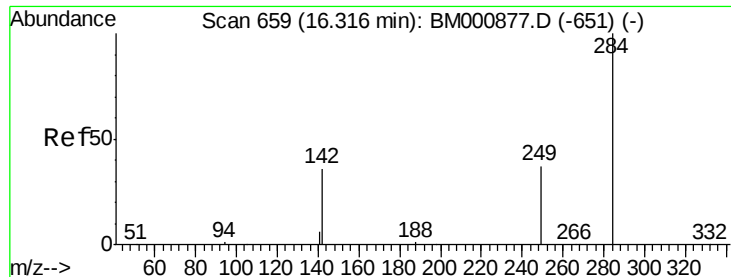
apatel
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#26
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.01 min Scan# 686
Delta R.T. 0.00 min
Lab File: BM000898.D
Acq: 08 Apr 2015 03:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.1	4.9	7.3
80	4.6	4.4	6.6





#28

Hexachlorobenzene

Concen: 0.06 ng

RT: 16.32 min Scan# 659

Delta R.T. 0.00 min

Lab File: BM000898.D

Acq: 08 Apr 2015 03:08

Instrument :

BNA_M

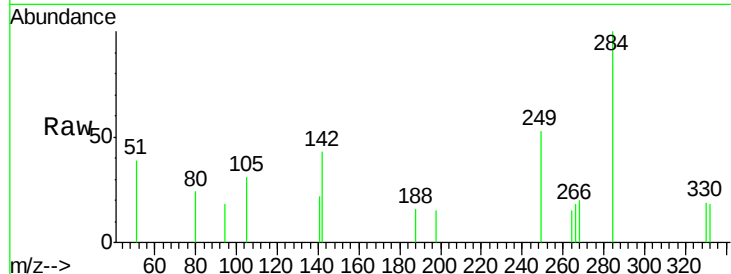
ClientSampleId :

LOD-WATER2015-01

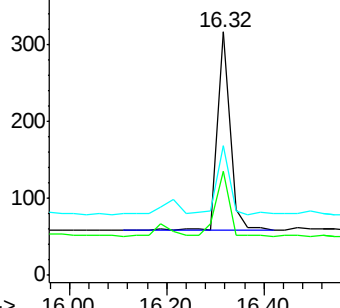
Tot Ion:	284	Resp:	468
Ion Ratio	Lower	Upper	
284	100		
142	42.9	29.8	44.8
249	53.3	31.0	46.4

Manual Integrations
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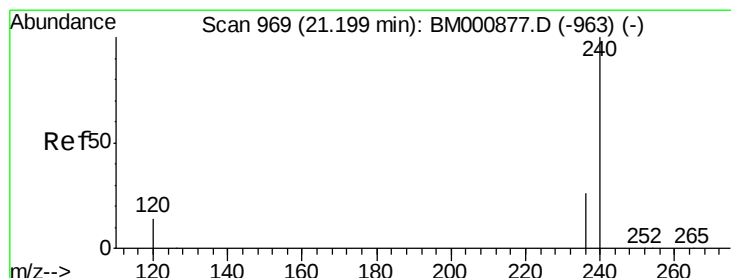
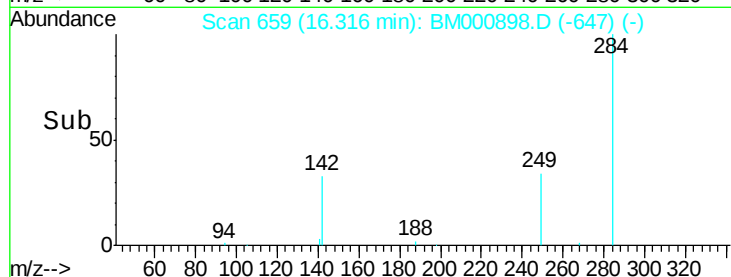
apatel
4/9/2015 8:11:46 AM



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



Time-->



#30

Chrysene-d12

Concen: 5.00 ng

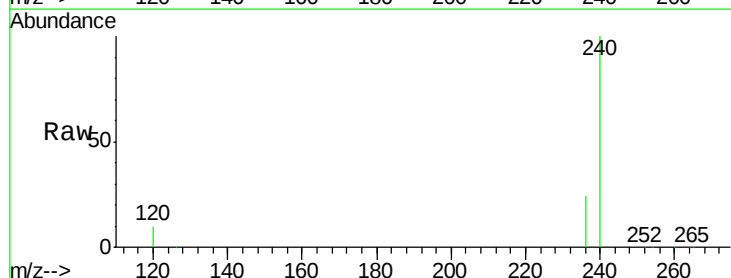
RT: 21.20 min Scan# 969

Delta R.T. 0.00 min

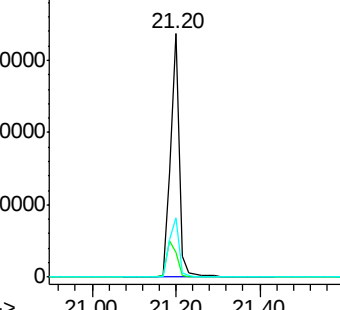
Lab File: BM000898.D

Acq: 08 Apr 2015 03:08

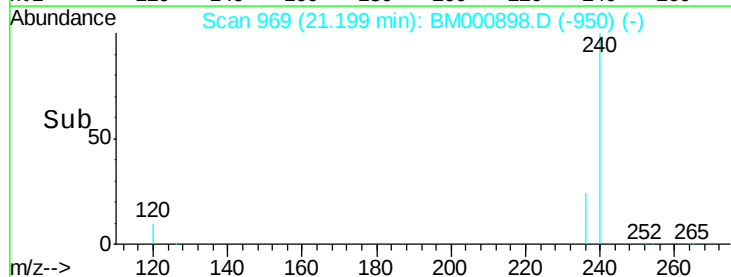
Tgt Ion:	240	Resp:	98769
Ion Ratio	Lower	Upper	
240	100		
120	10.2	11.1	16.7
236	24.3	20.9	31.3

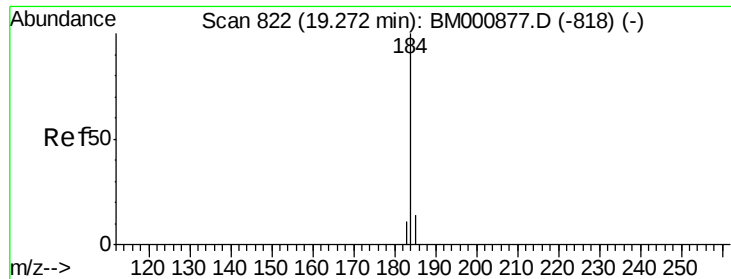


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





#31

Benzidine

Concen: 0.05 ng

RT: 19.30 min Scan# 824

Delta R.T. 0.03 min

Lab File: BM000898.D

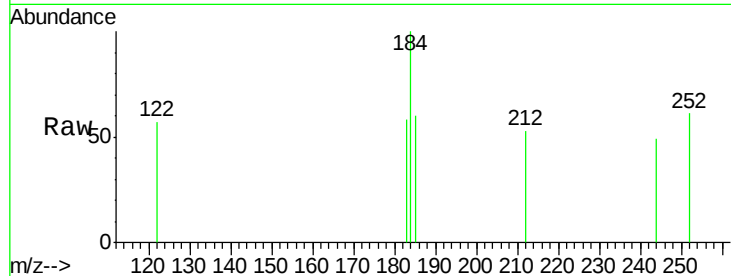
Acq: 08 Apr 2015 03:08

Instrument :

BNA_M

ClientSampleId :

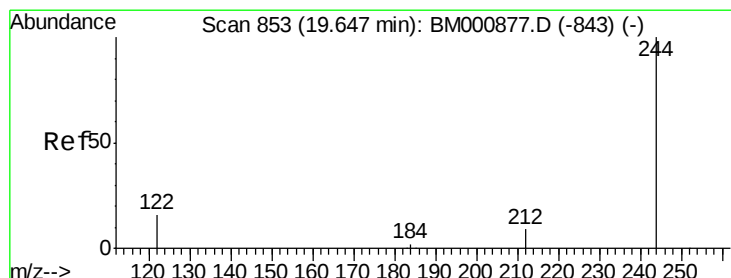
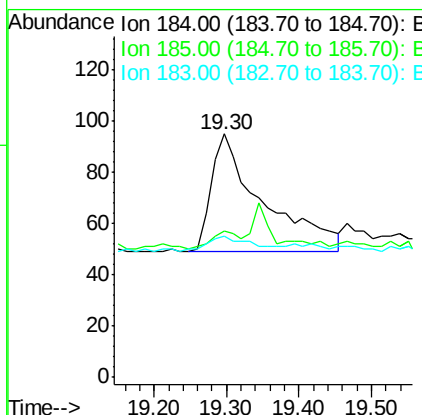
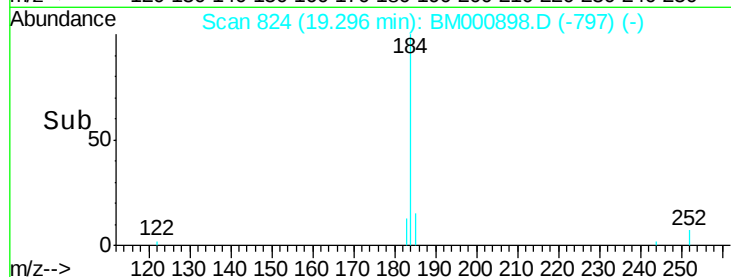
LOD-WATER2015-01



Tot Ion:	184	Resp:	227
Ion Ratio	Lower	Upper	
184	100		
185	60.0	14.4	21.6#
183	57.9	12.6	19.0#

Manual Integrations
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#32

Terphenyl-d14

Concen: 10.75 ng

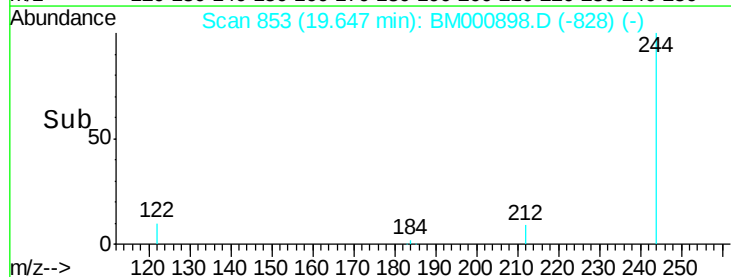
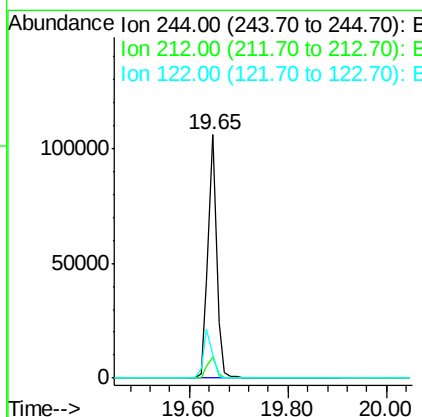
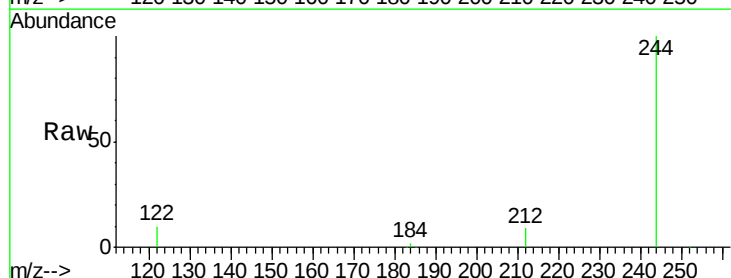
RT: 19.65 min Scan# 853

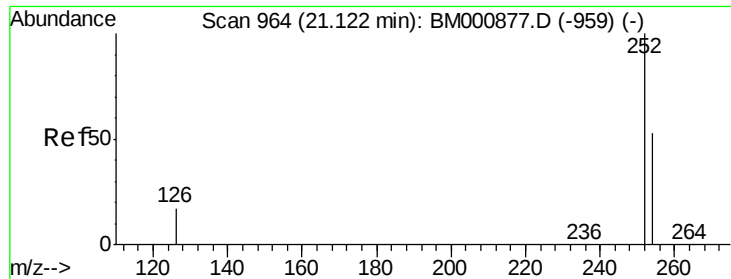
Delta R.T. 0.00 min

Lab File: BM000898.D

Acq: 08 Apr 2015 03:08

Tgt Ion:	244	Resp:	130934
Ion Ratio	Lower	Upper	
244	100		
212	8.6	8.1	12.1
122	9.6	13.6	20.4#





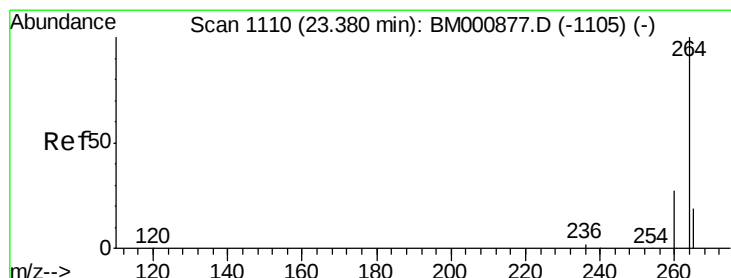
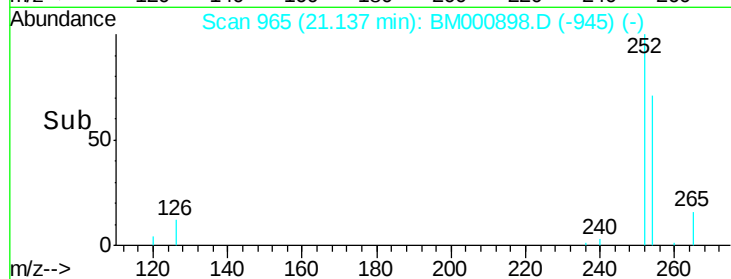
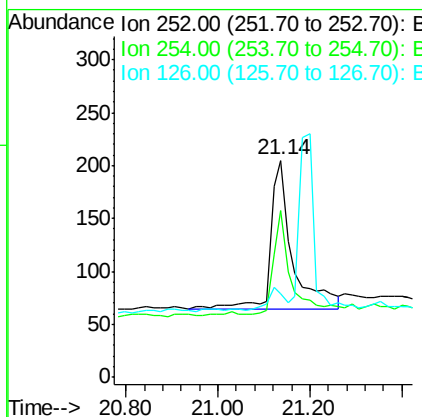
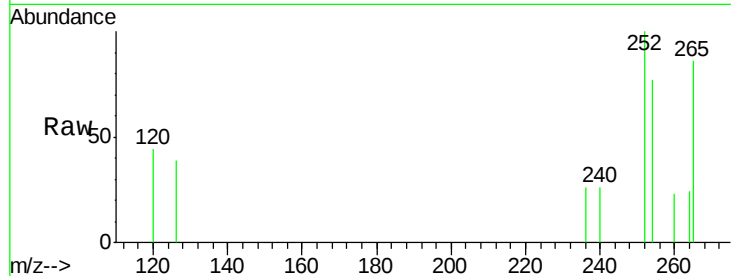
#33
 3,3'-Dichlorobenzidine
 Concen: 0.06 ng
 RT: 21.14 min Scan# 965
 Delta R.T. 0.02 min
 Lab File: BM000898.D
 Acq: 08 Apr 2015 03:08

Instrument :
 BNA_M
 ClientSampleId :
 LOD-WATER2015-01

Tot Ion	Ratio	Lower	Upper
252	100		
254	76.6	43.2	64.8#
126	38.5	15.5	23.3#

Manual Integrations
 APPROVED

apatel
 4/9/2015 8:11:46 AM



#34
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.38 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: BM000898.D
 Acq: 08 Apr 2015 03:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	21.6	32.4
265	21.4	16.1	24.1

