

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072318\
 Data File : BM016042.D
 Acq On : 24 Jul 2018 01:08
 Operator : SJ/JU
 Sample : J3762-07
 Misc : LOD 2 PPM
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Manual Integrations
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Sohil
 7/24/2018 3:01:56 PM

Quant Time: Jul 24 08:20:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 23 16:08:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	35220	20.00	ng	0.00
21) Naphthalene-d8	11.05	136	134982	20.00	ng	0.00
38) Acenaphthene-d10	14.86	164	73015	20.00	ng	0.00
63) Phenanthrene-d10	17.59	188	156074	20.00	ng	0.00
75) Chrysene-d12	21.70	240	173421	20.00	ng	0.00
86) Perylene-d12	24.07	264	188884	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.74	112	285772	134.78	ng	0.00
7) Phenol-d6	7.38	99	343657m	124.11	ng	0.00
23) Nitrobenzene-d5	9.42	82	269432	92.84	ng	0.00
41) 2,4,6-Tribromophenol	16.34	330	123190	133.03	ng	0.00
44) 2-Fluorobiphenyl	13.48	172	537163	89.51	ng	0.00
78) Terphenyl-d14	20.15	244	1043050	125.90	ng	0.00

Target Compounds						Qvalue	
17) 2-Methylphenol	8.71	107	2812	1.486	ng	#	78
19) n-Nitroso-di-n-propylamine	9.05	70	2618	1.294	ng	#	82
20) 3+4-Methylphenols	9.06	107	2477	0.910	ng	#	77
22) Acetophenone	9.10	105	5263	1.548	ng	#	75
25) Isophorone	9.98	82	6846	1.725	ng	#	89
26) 2-Nitrophenol	10.22	139	593	0.486	ng	#	49
27) 2,4-Dimethylphenol	10.24	122	2885	1.698	ng	#	90
28) bis(2-Chloroethoxy)methane	10.47	93	3715	1.440	ng	#	92
29) 2,4-Dichlorophenol	10.76	162	1890	0.936	ng	#	64
30) 1,2,4-Trichlorobenzene	10.92	180	3929	1.602	ng	#	88
36) 4-Chloro-3-methylphenol	12.37	107	2524	1.137	ng	#	57
42) 2,4,6-Trichlorophenol	13.32	196	1700	1.093	ng	#	81
43) 2,4,5-Trichlorophenol	13.42	196	1771	1.104	ng	#	78
56) 2,4-Dinitrotoluene	15.26	165	1928	1.049	ng	#	41
60) 4-Chlorophenyl-phenylether	15.89	204	5395	1.715	ng	#	90
61) 4-Nitroaniline	15.98	138	242	0.182	ng	#	23
76) Benzidine	19.82	184	2017	0.416	ng	#	68
81) 3,3'-Dichlorobenzidine	21.61	252	5459	1.269	ng	#	98

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

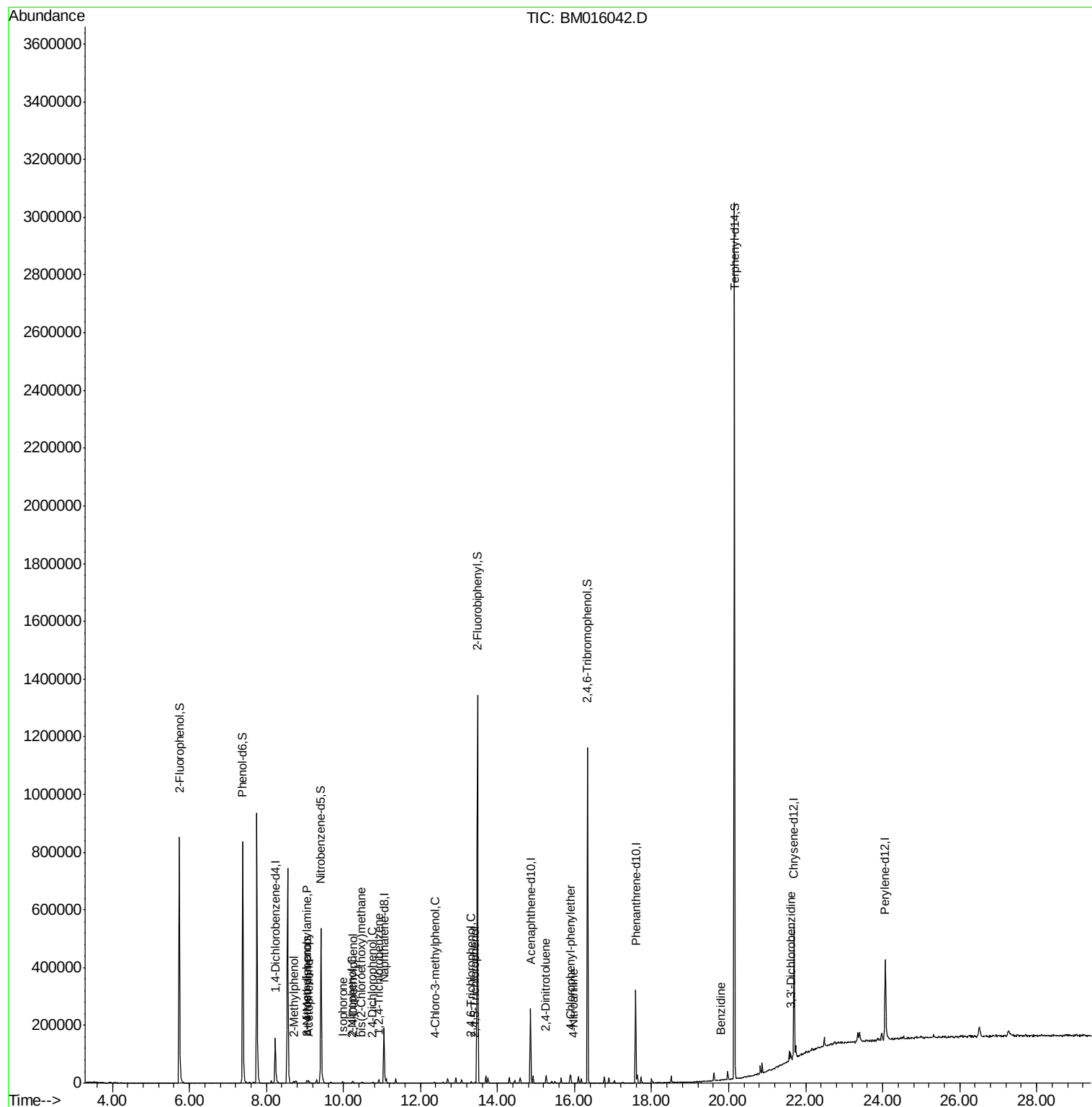
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072318\
Data File : BM016042.D
Acq On : 24 Jul 2018 01:08
Operator : SJ/JU
Sample : J3762-07
Misc : LOD 2 PPM
ALS Vial : 15 Sample Multiplier: 1

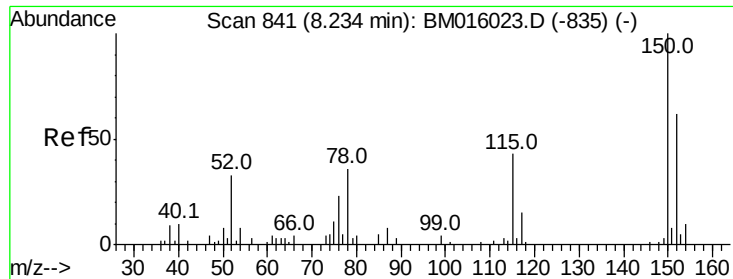
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

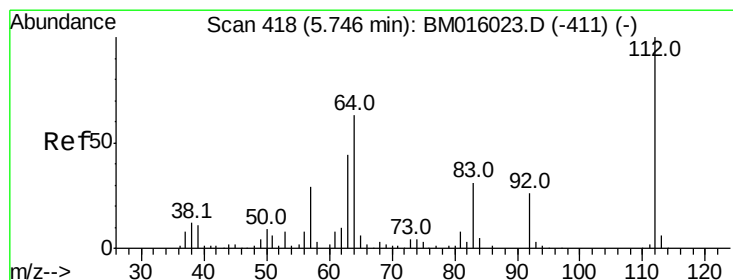
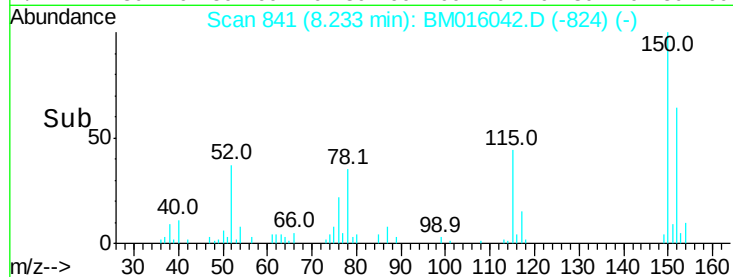
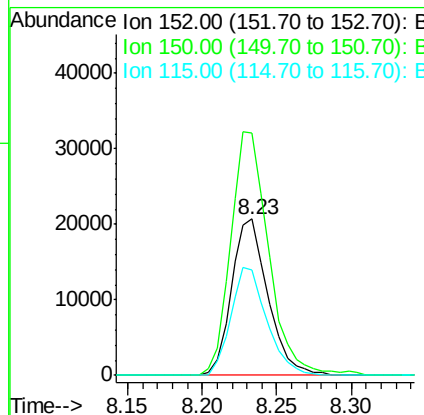
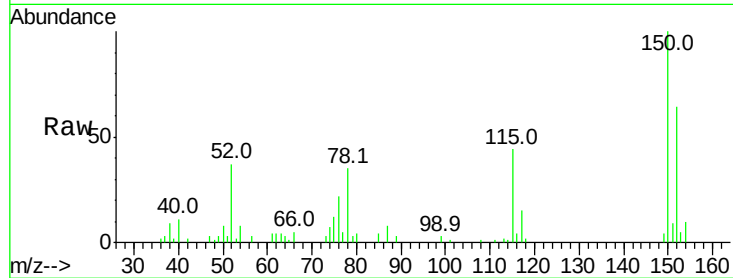
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.23 min Scan# 841
Delta R.T. -0.00 min
Lab File: BM016042.D
Acq: 24 Jul 2018 01:08

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	119.5	179.3
115	67.8	43.0	64.4

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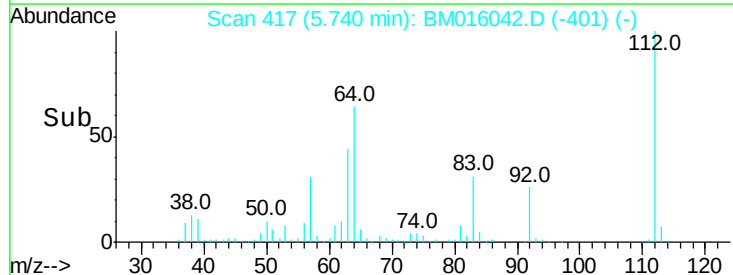
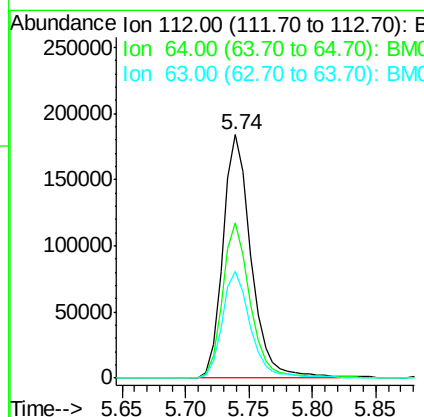
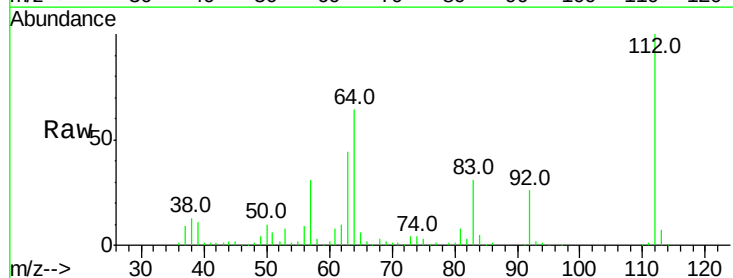
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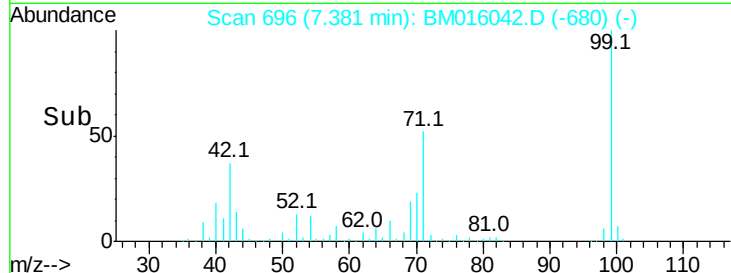
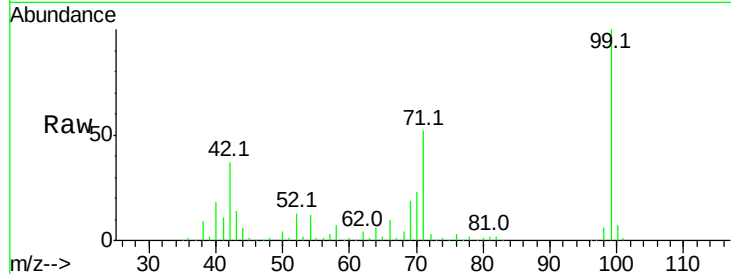
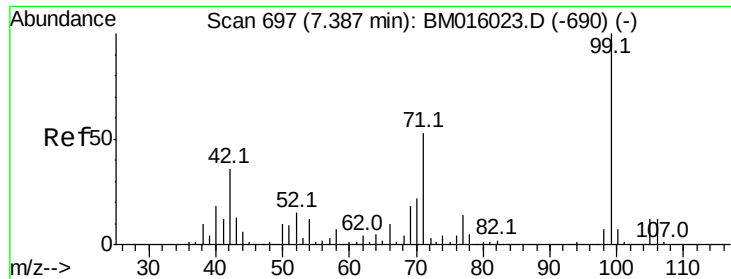


#5

2-Fluorophenol
Concen: N.D. ng
RT: 5.74 min Scan# 417
Delta R.T. -0.01 min
Lab File: BM016042.D
Acq: 24 Jul 2018 01:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.6	38.6	57.8
63	44.0	19.3	28.9





#7

Phenol-d6

Concen: N.D. ng/ml

RT: 7.38 min Scan# 696

Delta R.T. -0.01 min

Lab File: BM016042.D

Acq: 24 Jul 2018 01:08

Tot Ion: 99 Resp: 343657

Ion	Ratio	Lower	Upper
99	100		
42	37.1	11.0	16.4#
71	52.2	23.4	35.2#

Instrument :

BNA_M

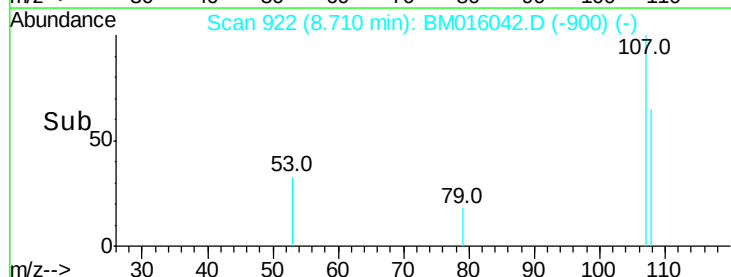
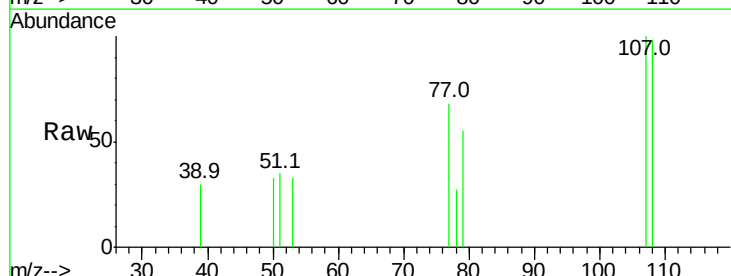
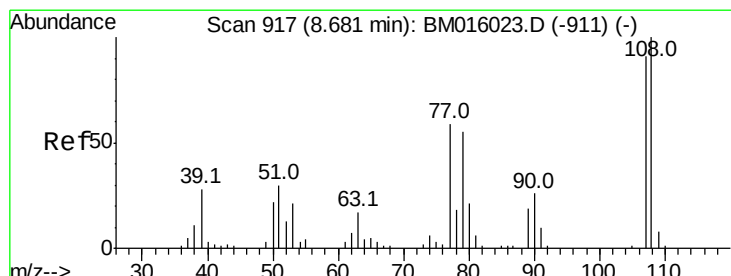
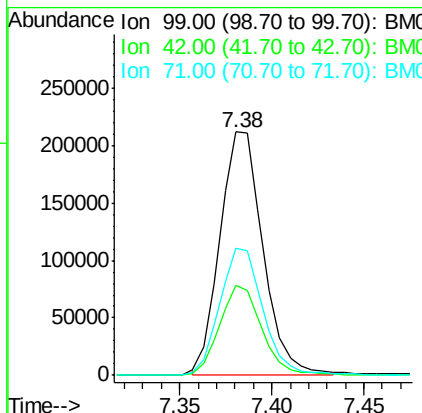
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

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#17

2-Methylphenol

Concen: 1.486 ng/ml

RT: 8.71 min Scan# 922

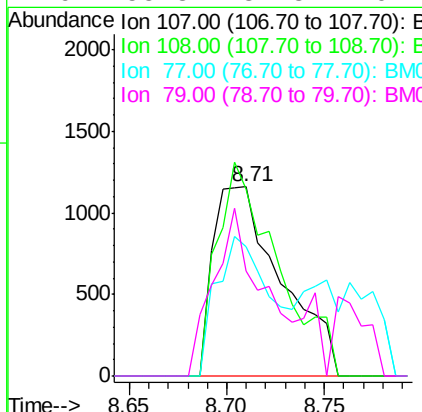
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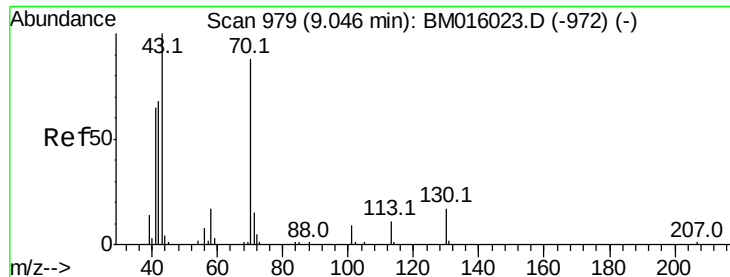
Lab File: BM016042.D

Acq: 24 Jul 2018 01:08

Tgt Ion: 107 Resp: 2812

Ion	Ratio	Lower	Upper
107	100		
108	98.4	89.8	134.8
77	68.1	32.6	48.8#
79	55.3	32.8	49.2#





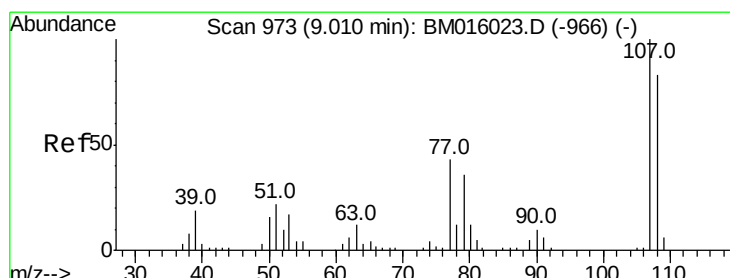
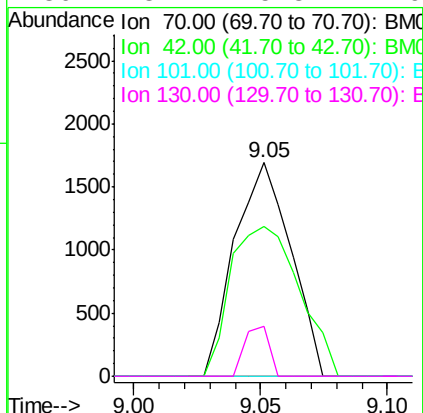
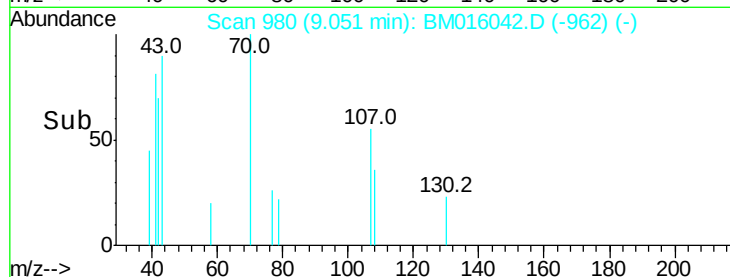
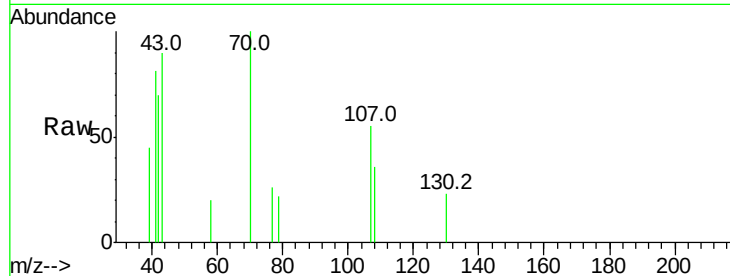
#19
n-Nitroso-di-n-propylamine
Concen: 1.294 ng
RT: 9.05 min Scan# 980
Delta R.T. 0.01 min
Lab File: BM016042.D
Acq: 24 Jul 2018 01:08

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 70 Resp: 2618
Ion Ratio Lower Upper
70 100
42 70.0 44.5 66.7#
101 0.0 7.4 11.2#
130 23.2 15.3 22.9#

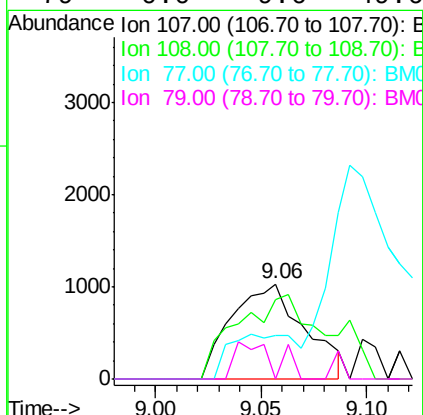
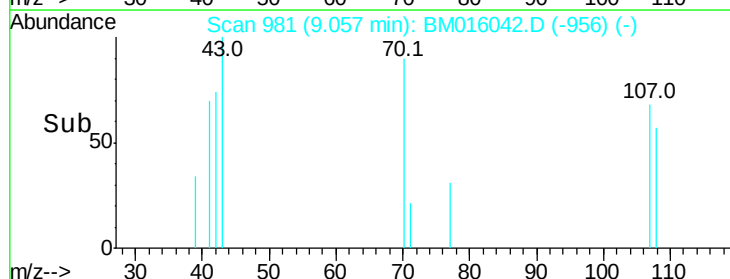
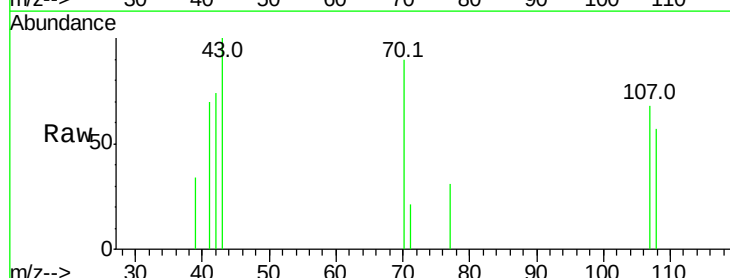
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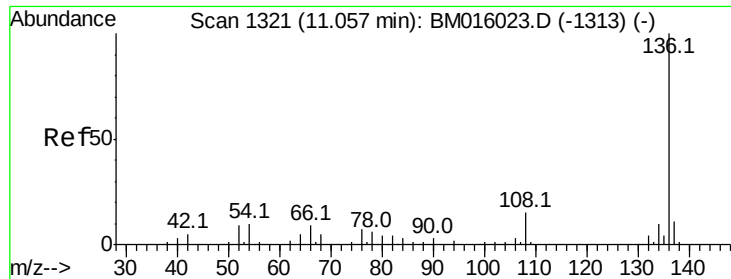
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#20
3+4-Methylphenols
Concen: 0.910 ng
RT: 9.06 min Scan# 981
Delta R.T. 0.05 min
Lab File: BM016042.D
Acq: 24 Jul 2018 01:08

Tgt Ion: 107 Resp: 2477
Ion Ratio Lower Upper
107 100
108 82.8 73.2 113.2
77 45.6 10.7 50.7
79 0.0 9.6 49.6#





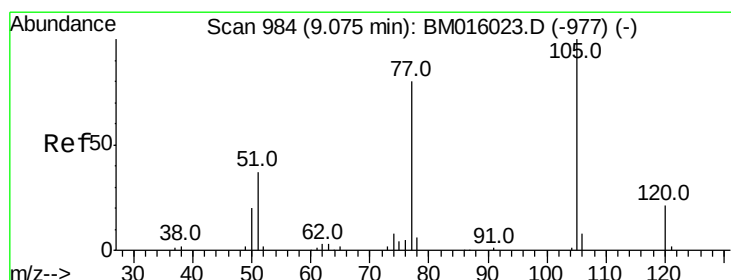
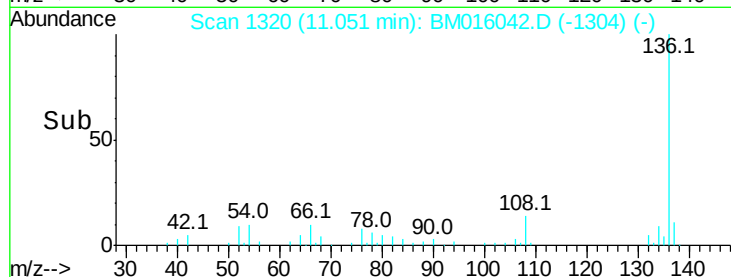
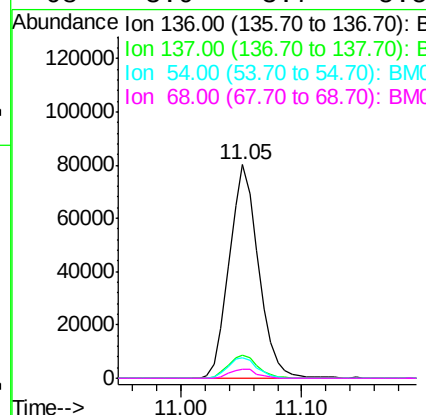
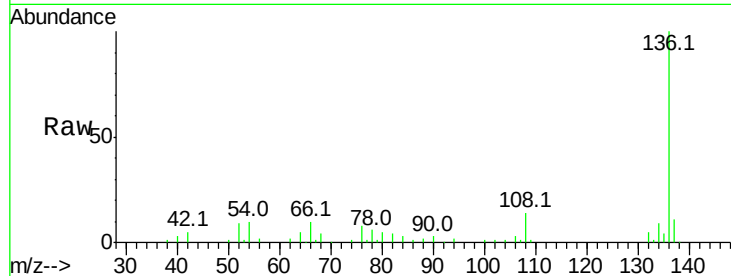
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.05 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BM016042.D
Acq: 24 Jul 2018 01:08

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.7	13.1	
54	9.5	4.6	6.8#	
68	3.9	3.7	5.5	

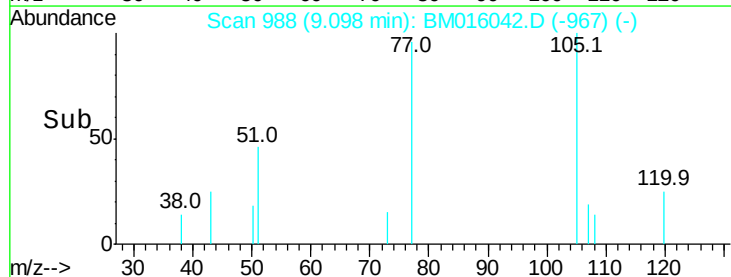
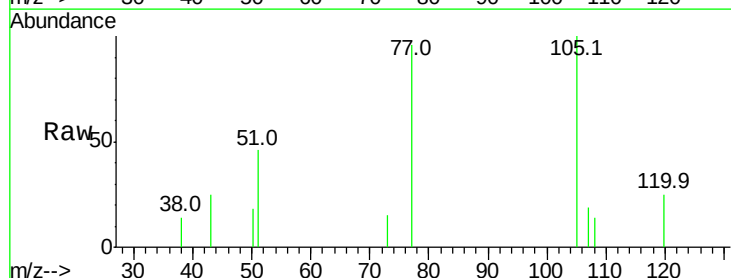
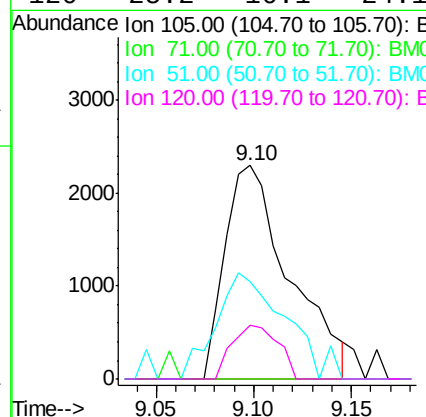
Manual Integrations
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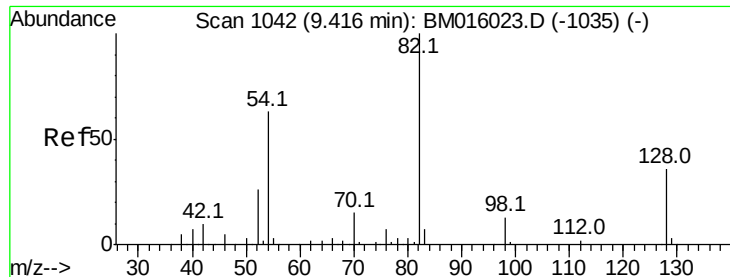
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#22
Acetophenone
Concen: 1.548 ng
RT: 9.10 min Scan# 988
Delta R.T. 0.02 min
Lab File: BM016042.D
Acq: 24 Jul 2018 01:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	0.0	0.6	1.0#	
51	45.6	21.6	32.4#	
120	25.2	16.1	24.1#	





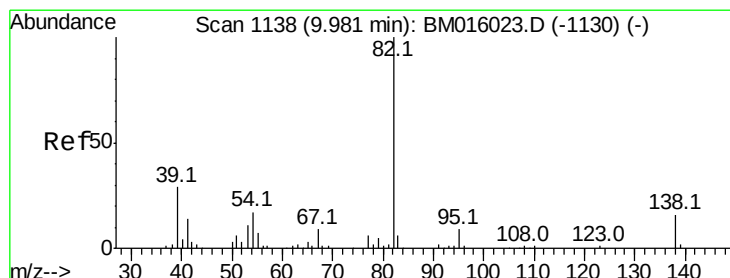
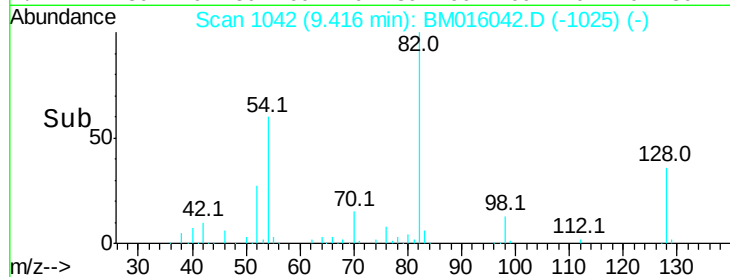
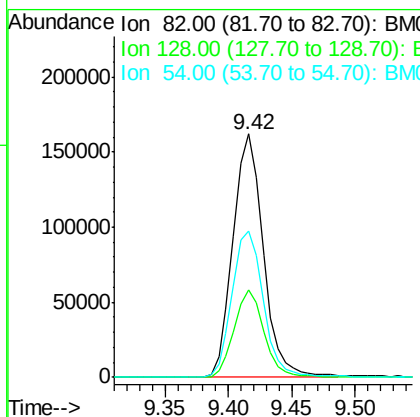
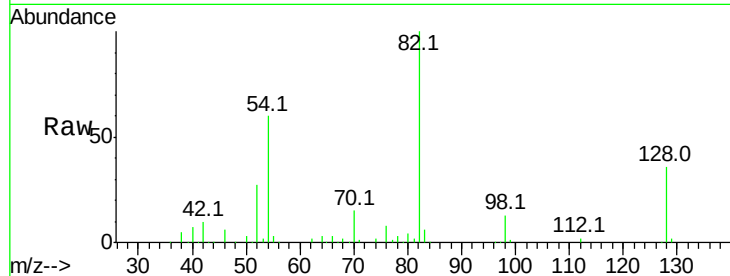
#23
Nitrobenzene-d5
Concen: 1.548 ng
RT: 9.42 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BM016042.D
Acq: 24 Jul 2018 01:08

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
82	100	269432		
128	36.2		32.8	49.2
54	60.1		40.6	60.8

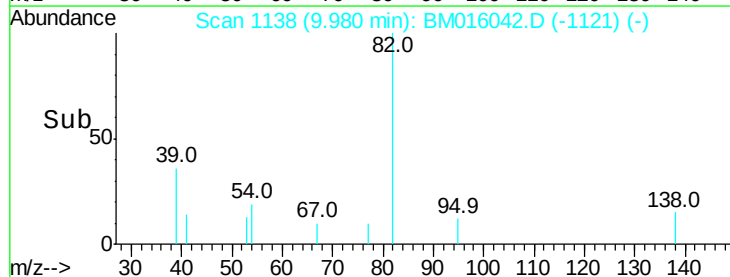
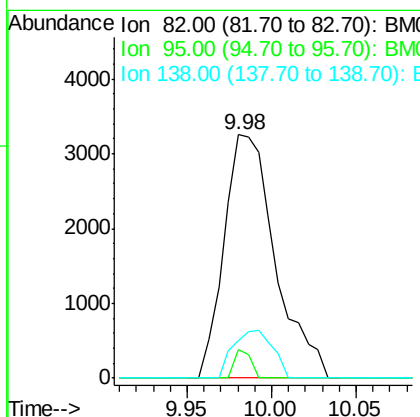
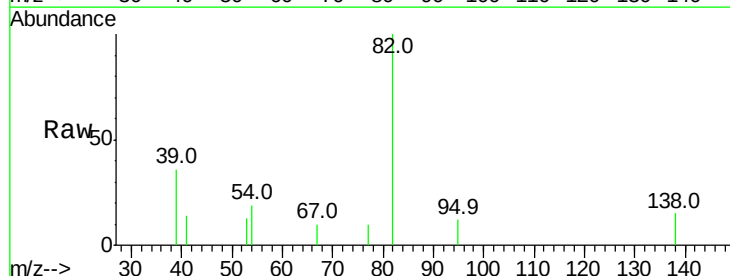
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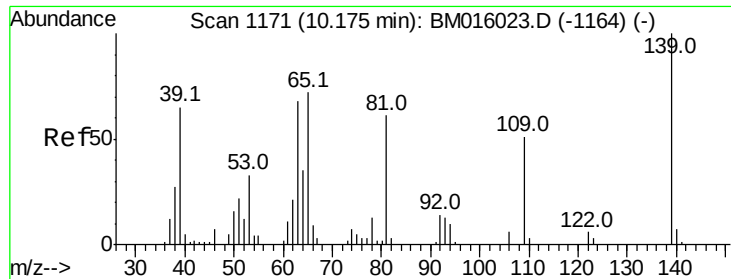
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#25
Isophorone
Concen: 1.725 ng
RT: 9.98 min Scan# 1138
Delta R.T. -0.00 min
Lab File: BM016042.D
Acq: 24 Jul 2018 01:08

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	6846		
95	11.6		5.8	8.6#
138	15.5		16.3	24.5#





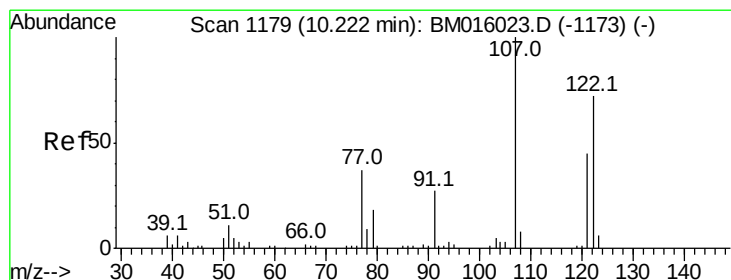
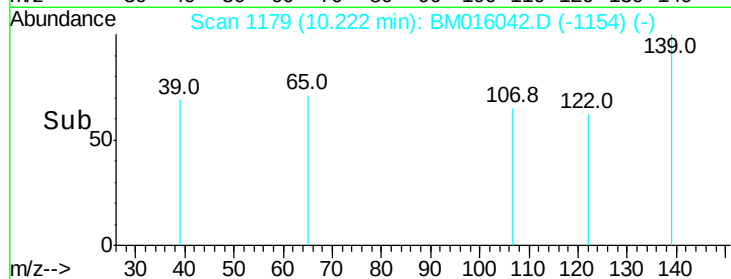
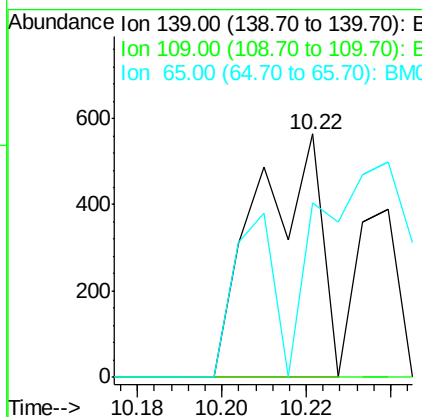
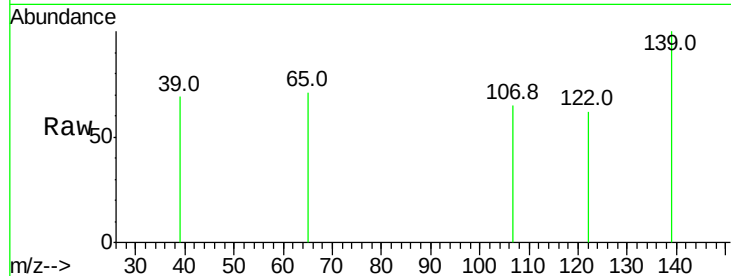
#26
2-Nitrophenol
Concen: 0.486 ng
RT: 10.22 min Scan# 1179
Delta R.T. 0.05 min
Lab File: BM016042.D
Acq: 24 Jul 2018 01:08

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	20.1	30.1#
65	71.5	31.5	47.3#

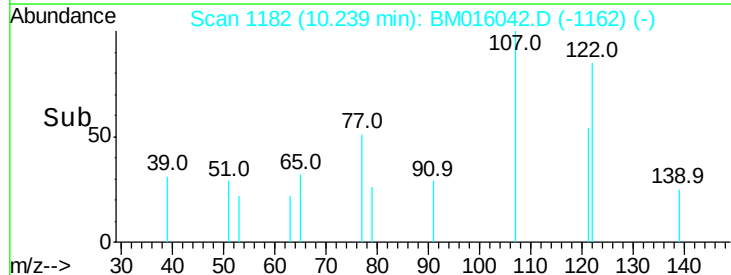
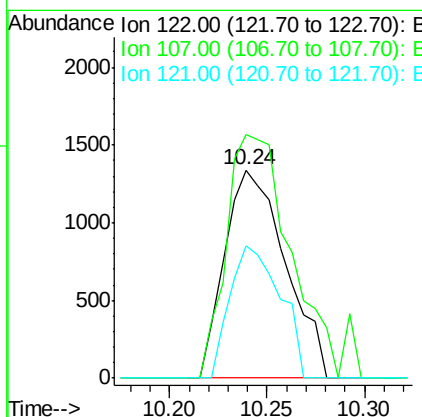
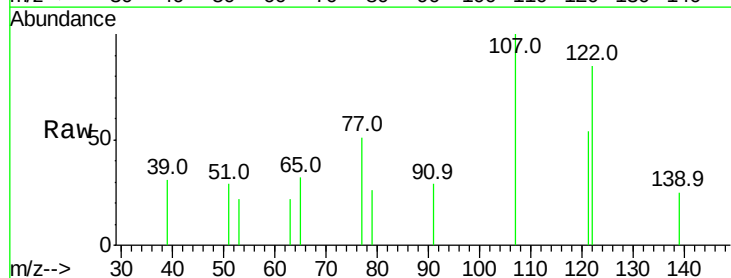
Manual Integrations
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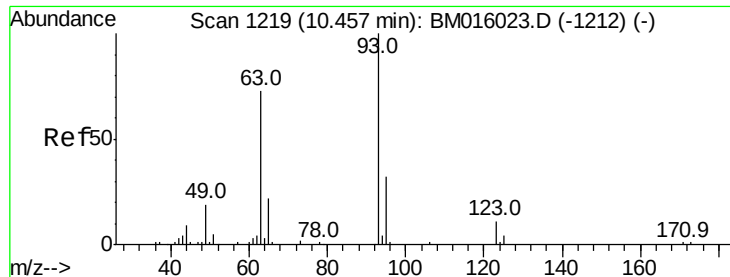
Sohil
7/24/2018 3:01:56 PM



#27
2,4-Dimethylphenol
Concen: 1.698 ng
RT: 10.24 min Scan# 1182
Delta R.T. 0.02 min
Lab File: BM016042.D
Acq: 24 Jul 2018 01:08

Tgt Ion	Ratio	Lower	Upper
122	100		
107	117.1	84.7	127.1
121	63.8	46.6	69.8





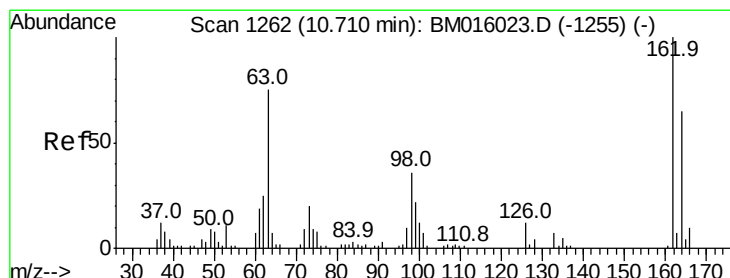
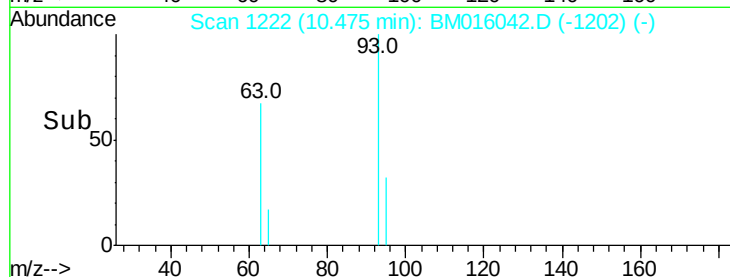
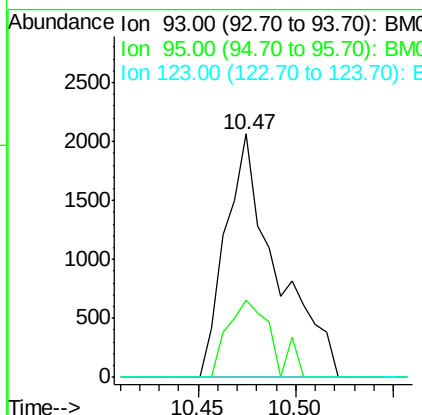
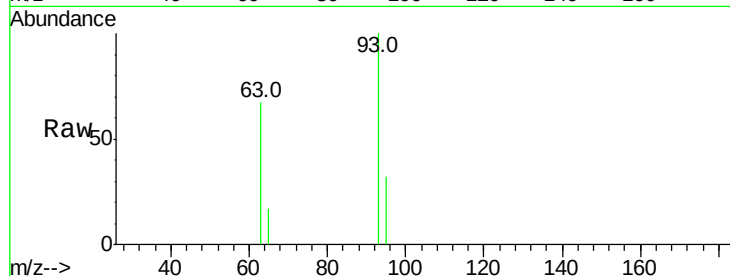
#28
bis(2-Chloroethoxy)methane
Concen: 1.440 ng
RT: 10.47 min Scan# 1222
Delta R.T. 0.02 min
Lab File: BM016042.D
Acq: 24 Jul 2018 01:08

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
93	100		
95	31.7	25.5	38.3
123	0.0	8.6	13.0#

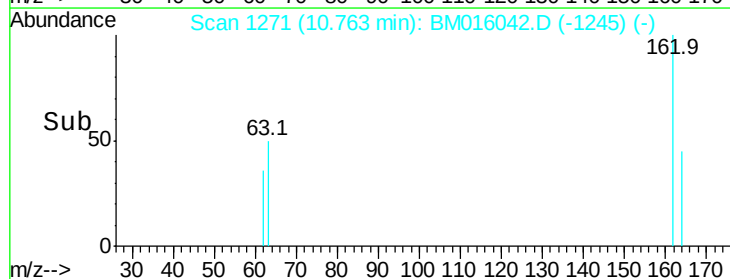
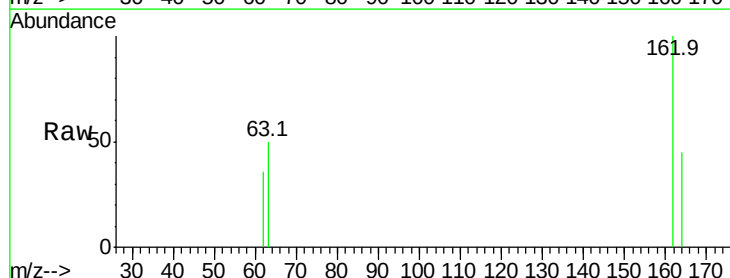
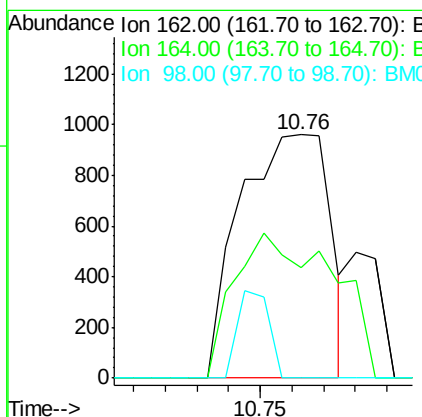
Manual Integrations
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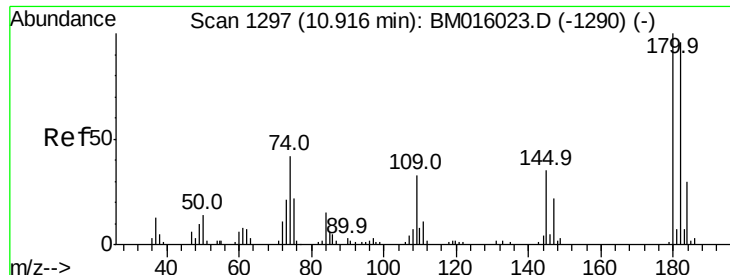
Sohil
7/24/2018 3:01:56 PM



#29
2,4-Dichlorophenol
Concen: 0.936 ng
RT: 10.76 min Scan# 1271
Delta R.T. 0.05 min
Lab File: BM016042.D
Acq: 24 Jul 2018 01:08

Tgt Ion	Ratio	Lower	Upper
162	100		
164	45.2	42.8	82.8
98	0.0	14.5	54.5#





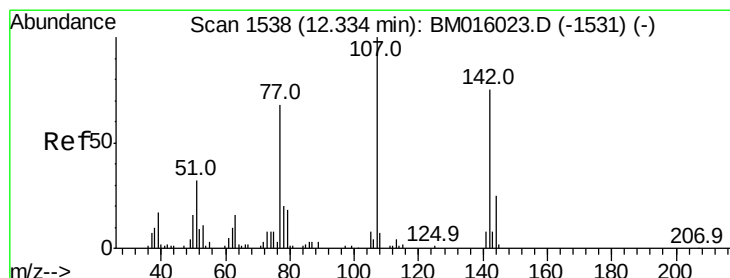
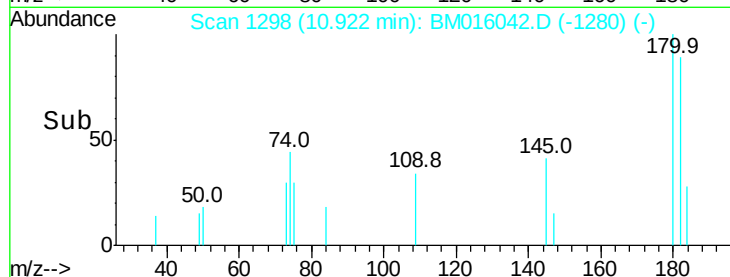
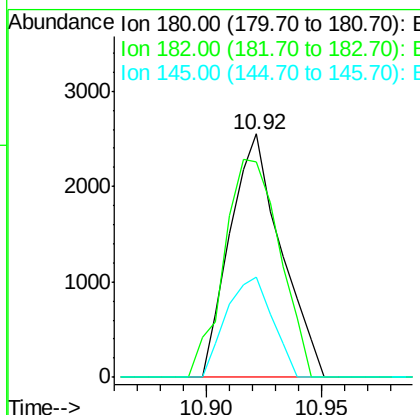
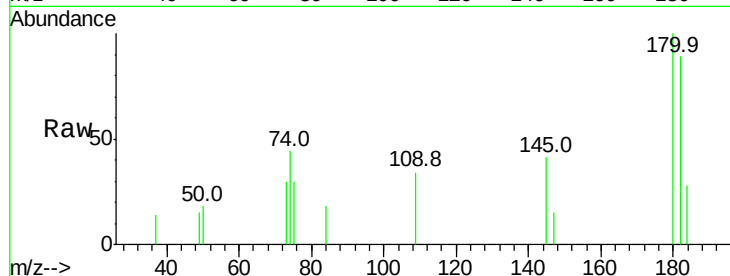
#30
 1,2,4-Trichlorobenzene
 Concen: 1.602 ng
 RT: 10.92 min Scan# 1298
 Delta R.T. 0.01 min
 Lab File: BM016042.D
 Acq: 24 Jul 2018 01:08

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion:180 Resp: 3929
 Ion Ratio Lower Upper
 180 100
 182 88.6 77.6 116.4
 145 41.2 23.4 35.2#

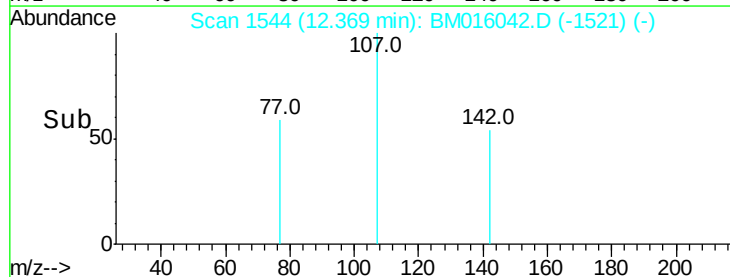
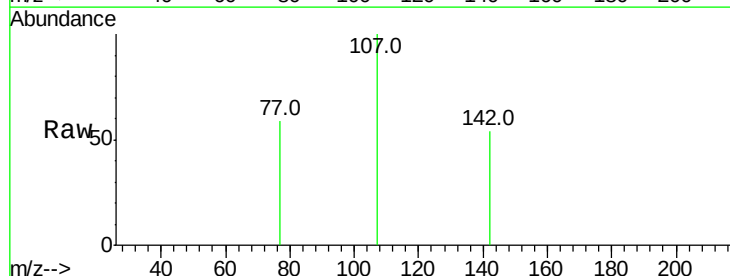
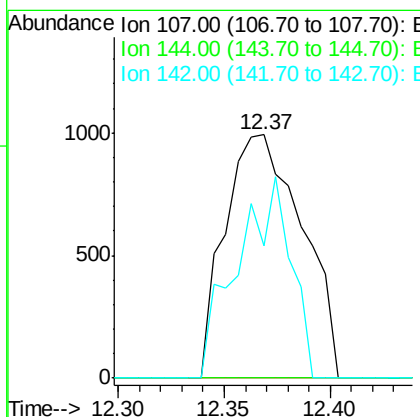
Manual Integrations
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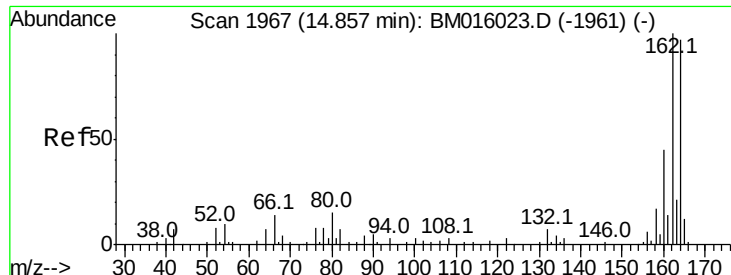
Sohil
 7/24/2018 3:01:56 PM



#36
 4-Chloro-3-methylphenol
 Concen: 1.137 ng
 RT: 12.37 min Scan# 1544
 Delta R.T. 0.03 min
 Lab File: BM016042.D
 Acq: 24 Jul 2018 01:08

Tgt Ion:107 Resp: 2524
 Ion Ratio Lower Upper
 107 100
 144 0.0 23.3 34.9#
 142 54.1 72.6 109.0#





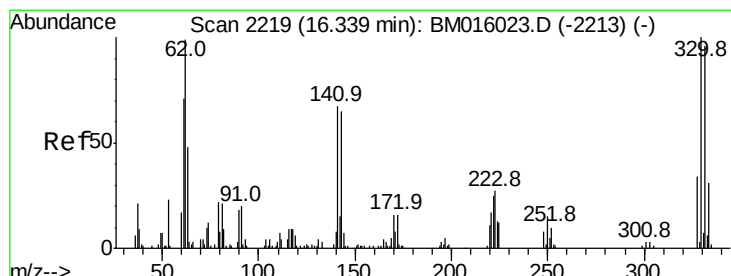
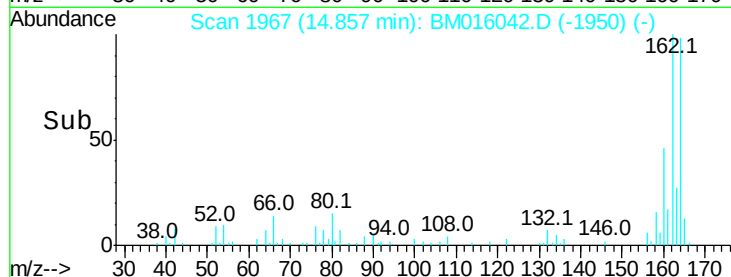
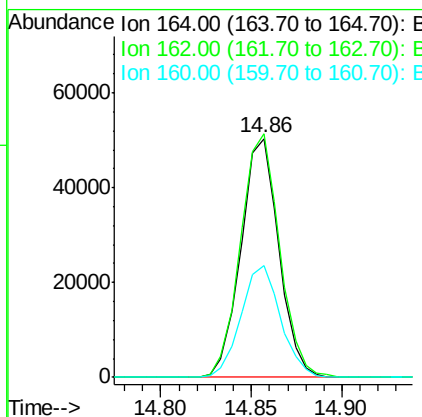
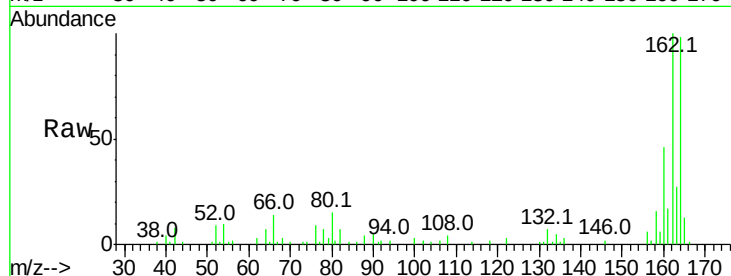
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.86 min Scan# 1967
Delta R.T. -0.00 min
Lab File: BM016042.D
Acq: 24 Jul 2018 01:08

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.4	123.6
160	46.9	35.8	53.6

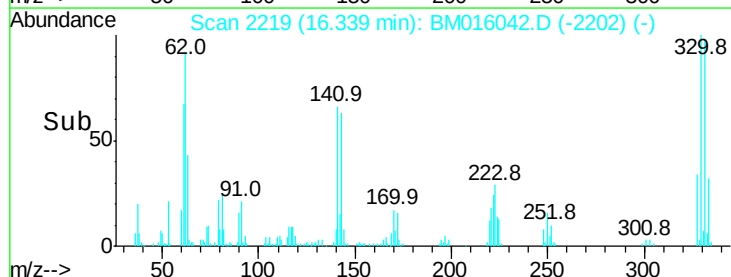
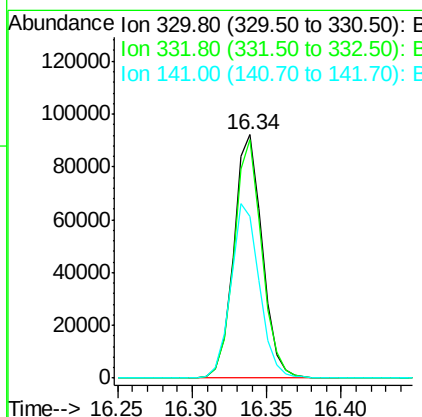
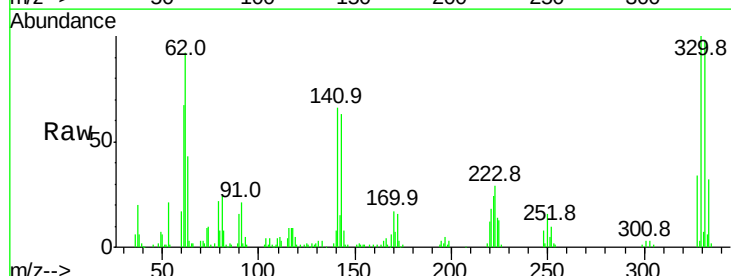
Manual Integrations
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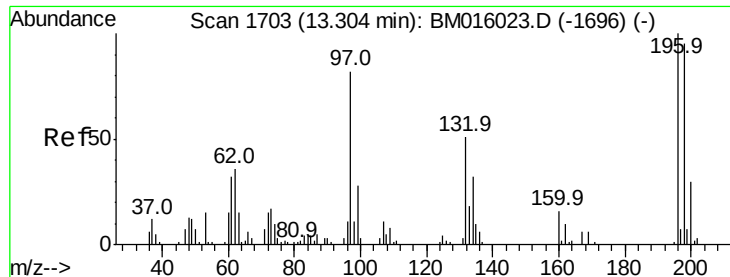
Sohil
7/24/2018 3:01:56 PM



#41
2,4,6-Tribromophenol
Concen: N.D. ng
RT: 16.34 min Scan# 2219
Delta R.T. -0.00 min
Lab File: BM016042.D
Acq: 24 Jul 2018 01:08

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	0.0	0.0#
141	71.7	0.0	0.0#





#42

2,4,6-Trichlorophenol

Concen: 1.093 ng

RT: 13.32 min Scan# 1705

Delta R.T. 0.01 min

Lab File: BM016042.D

Acq: 24 Jul 2018 01:08

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:196 Resp: 1700

Ion Ratio Lower Upper

196 100

198 112.1 76.3 114.5

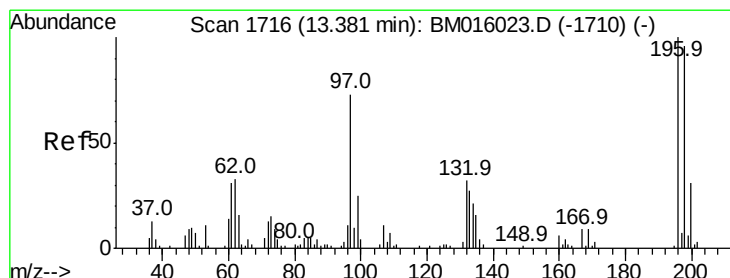
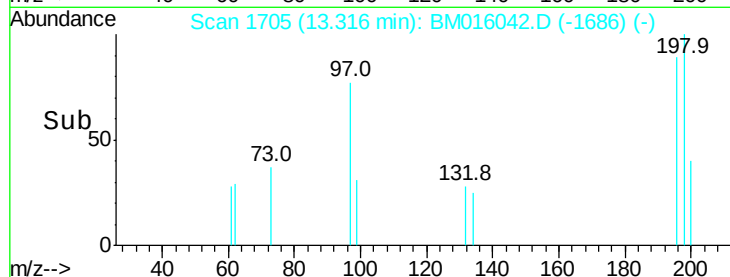
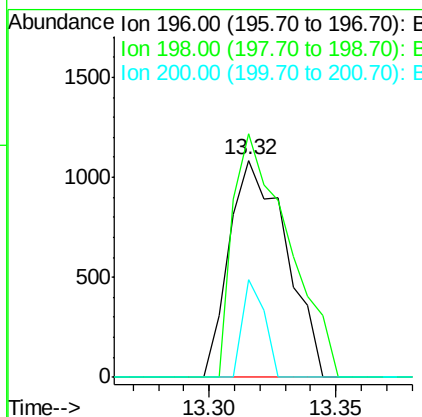
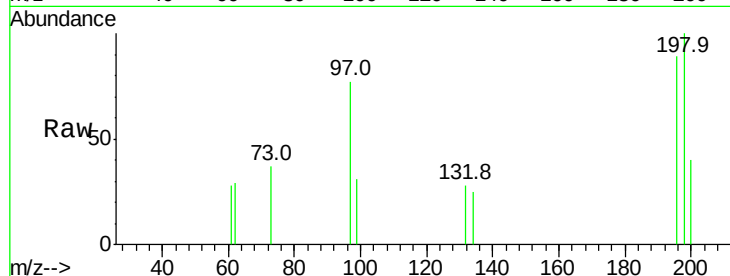
200 45.1 25.6 38.4#

Manual Integrations

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#43

2,4,5-Trichlorophenol

Concen: 1.104 ng

RT: 13.42 min Scan# 1722

Delta R.T. 0.03 min

Lab File: BM016042.D

Acq: 24 Jul 2018 01:08

Tgt Ion:196 Resp: 1771

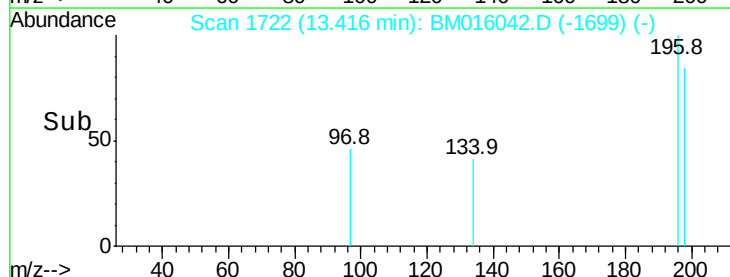
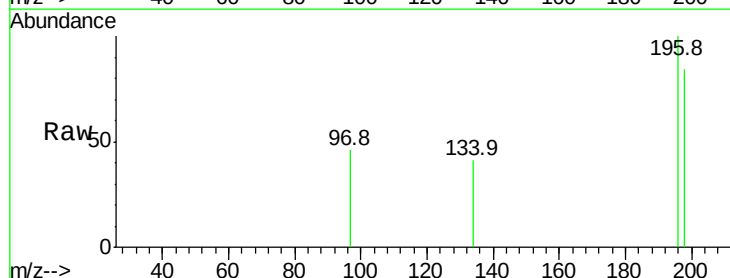
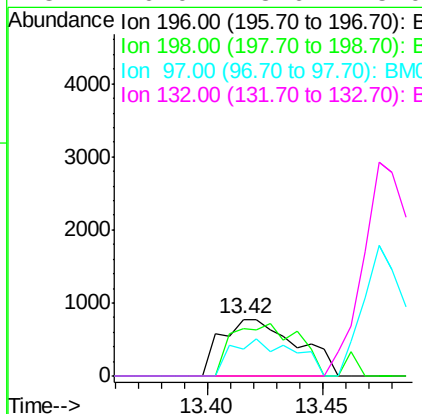
Ion Ratio Lower Upper

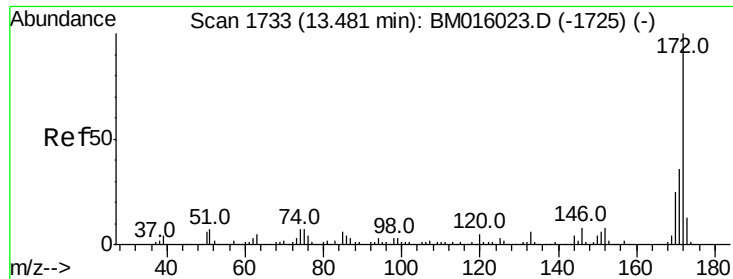
196 100

198 83.6 79.4 119.0

97 46.3 26.8 40.2#

132 0.0 18.6 28.0#





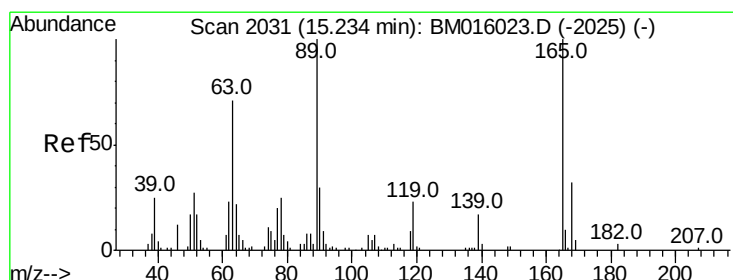
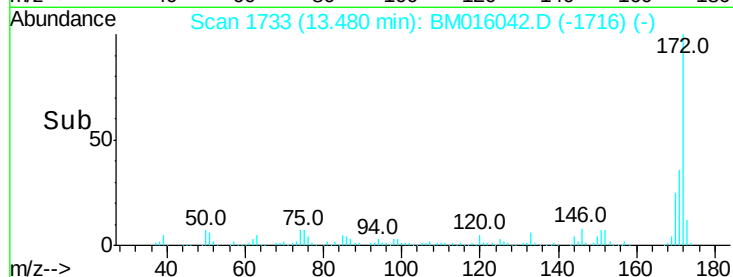
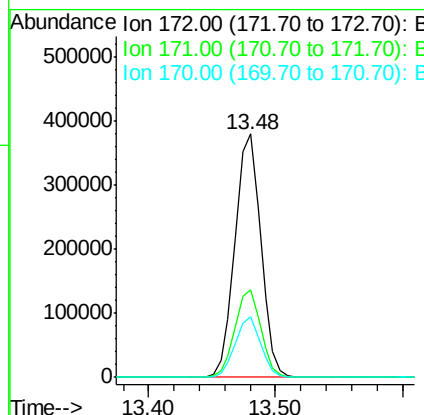
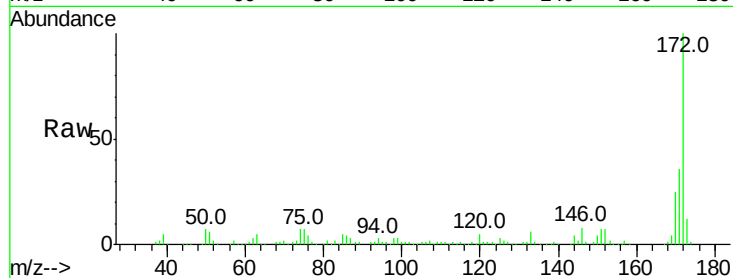
#44
2-Fluorobiphenyl
Concen: 1.104 ng
RT: 13.48 min Scan# 1733
Delta R.T. -0.00 min
Lab File: BM016042.D
Acq: 24 Jul 2018 01:08

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
172	100	537163		
171	36.2		28.5	42.7
170	25.1		18.8	28.2

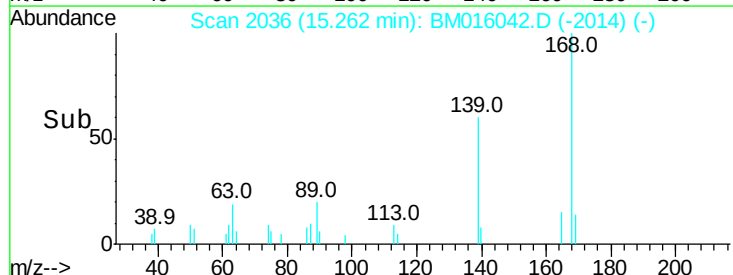
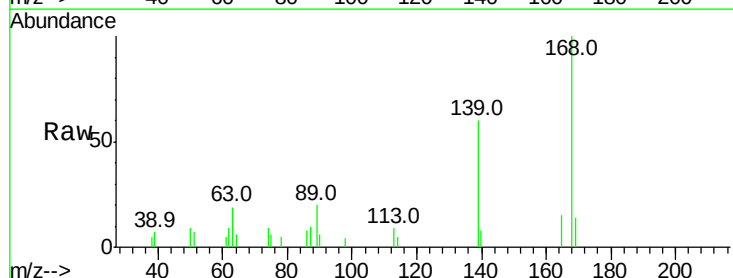
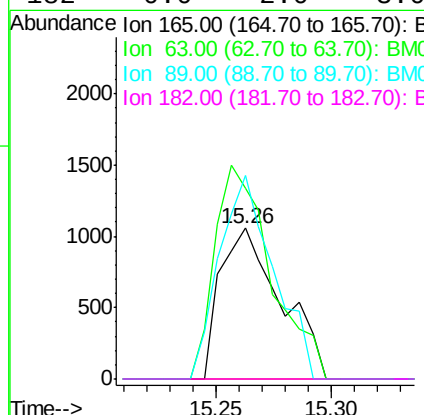
Manual Integrations
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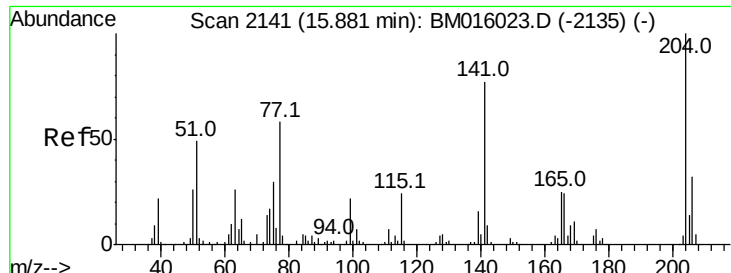
Sohil
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#56
2,4-Dinitrotoluene
Concen: 1.049 ng
RT: 15.26 min Scan# 2036
Delta R.T. 0.03 min
Lab File: BM016042.D
Acq: 24 Jul 2018 01:08

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	1928		
63	127.0		52.4	78.6#
89	134.9		72.4	108.6#
182	0.0		2.0	3.0#





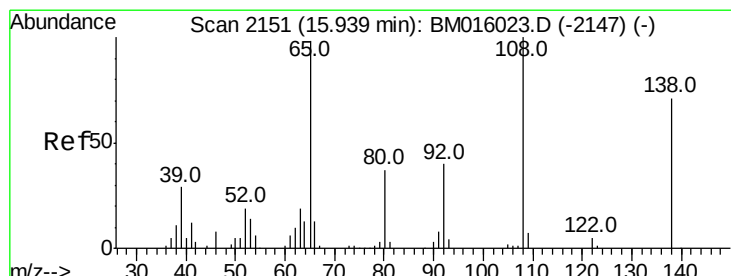
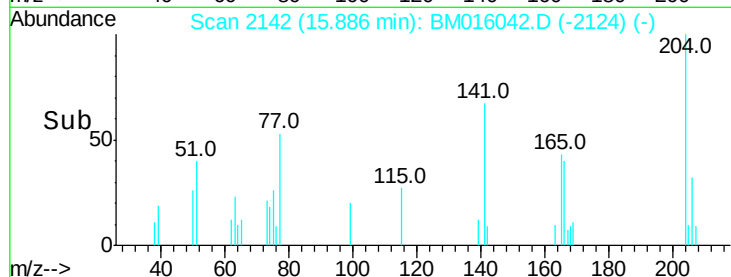
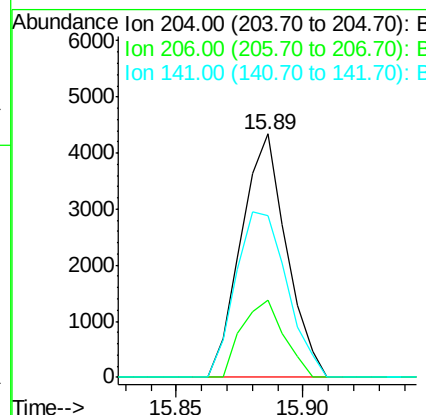
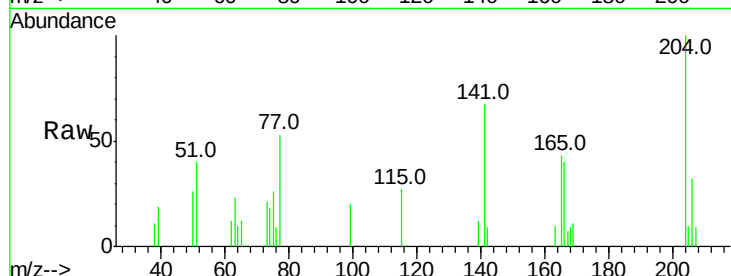
#60
 4-Chlorophenyl-phenylether
 Concen: 1.715 ng
 RT: 15.89 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: BM016042.D
 Acq: 24 Jul 2018 01:08

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
204	100		
206	31.8	26.6	39.8
141	66.6	45.2	67.8

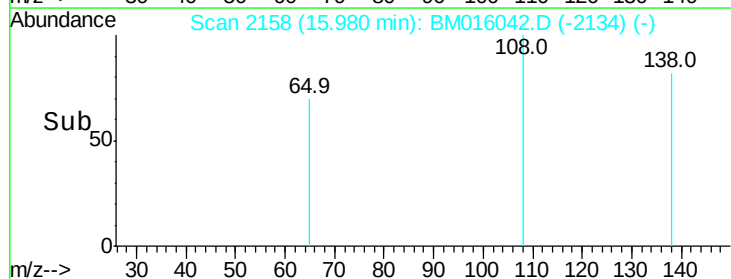
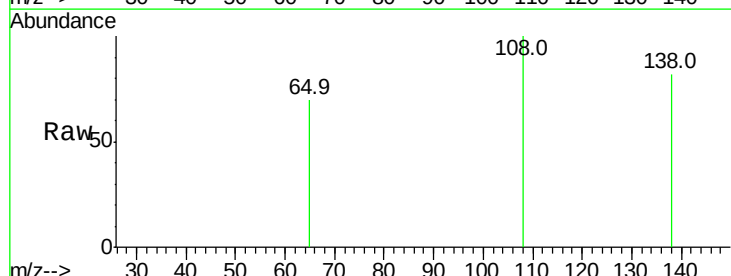
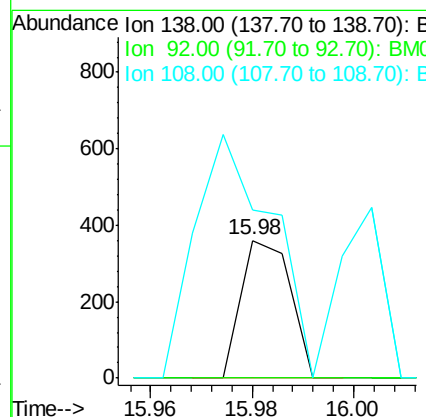
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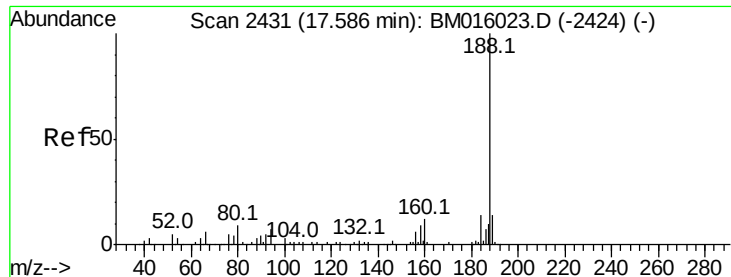
Sohil
 7/24/2018 3:01:56 PM



#61
 4-Nitroaniline
 Concen: 0.182 ng
 RT: 15.98 min Scan# 2158
 Delta R.T. 0.04 min
 Lab File: BM016042.D
 Acq: 24 Jul 2018 01:08

Tgt Ion	Ratio	Lower	Upper
138	100		
92	0.0	16.7	56.7#
108	121.9	37.6	77.6#





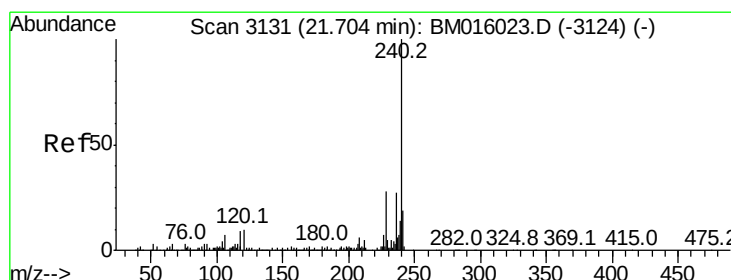
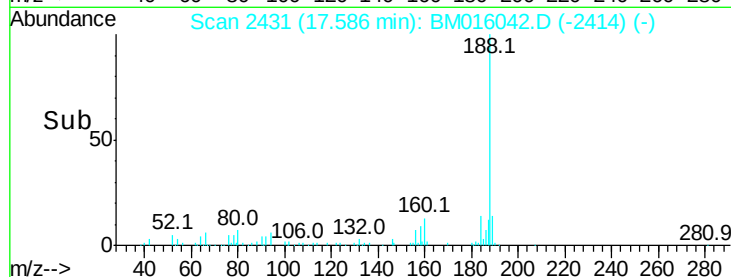
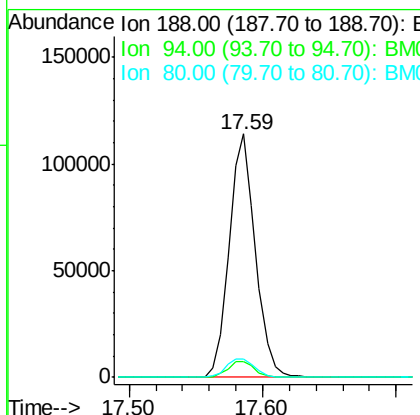
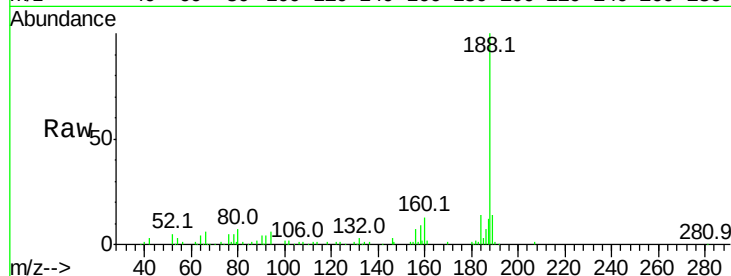
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.59 min Scan# 2431
Delta R.T. -0.00 min
Lab File: BM016042.D
Acq: 24 Jul 2018 01:08

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Resp	Lower	Upper
188	100	156074		
94	6.3	8.7	13.1#	
80	7.5	9.3	13.9#	

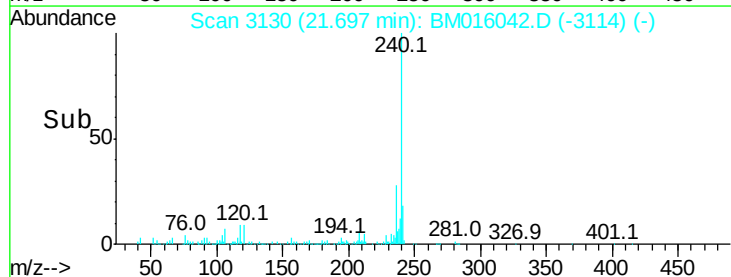
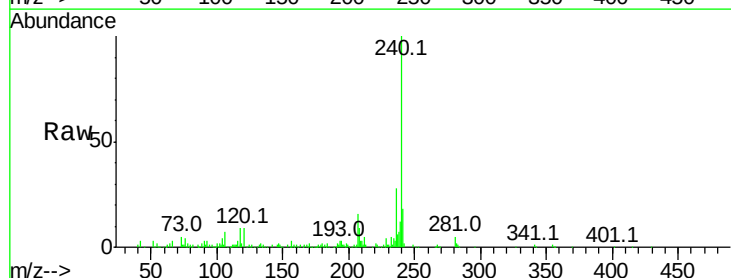
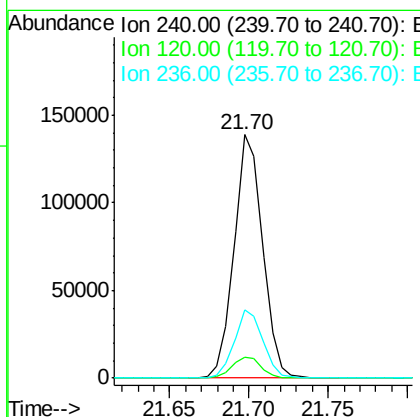
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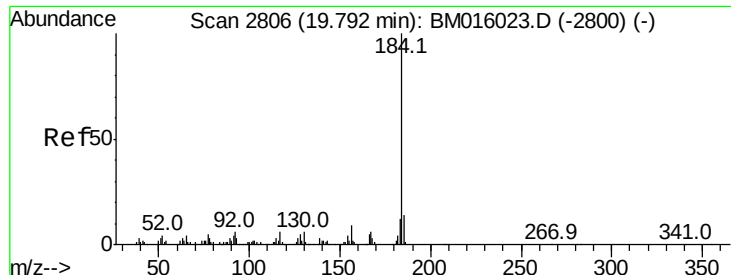
Sohil
7/24/2018 3:01:56 PM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3130
Delta R.T. -0.01 min
Lab File: BM016042.D
Acq: 24 Jul 2018 01:08

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	173421		
120	8.6	8.2	12.2	
236	27.8	20.0	30.0	





#76

Benzidine

Concen: 0.416 ng

RT: 19.82 min Scan# 2810

Delta R.T. 0.02 min

Lab File: BM016042.D

Acq: 24 Jul 2018 01:08

Instrument :

BNA_M

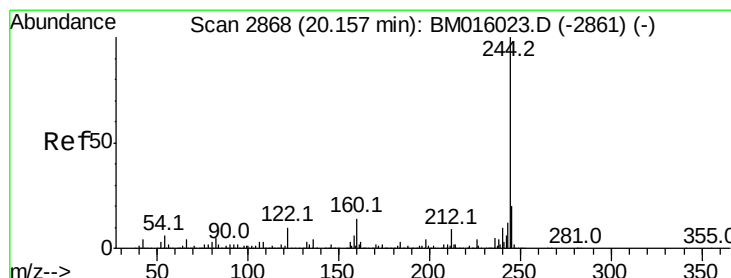
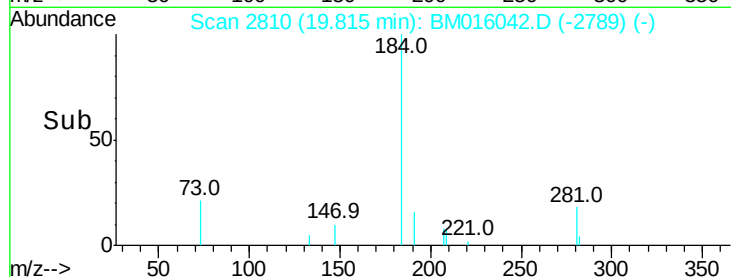
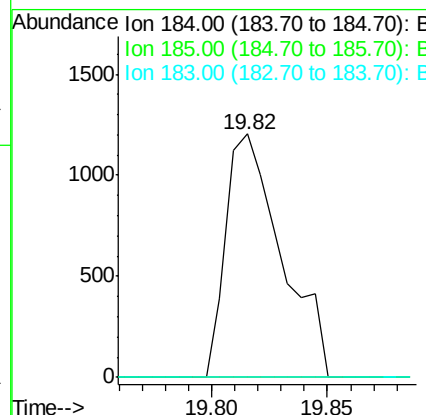
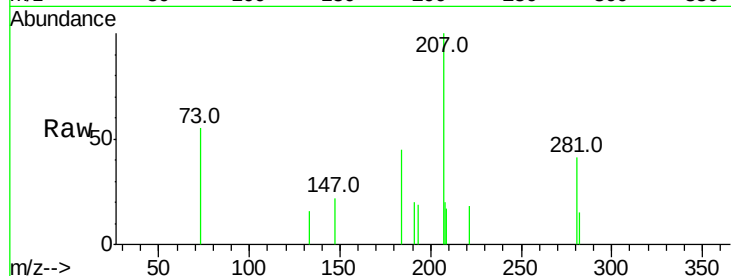
ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:	184	Resp:	2017
Ion Ratio	Lower	Upper	
184	100		
185	0.0	11.3	16.9#
183	0.0	8.9	13.3#

Manual Integrations
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#78

Terphenyl-d14

Concen: N.D. ng

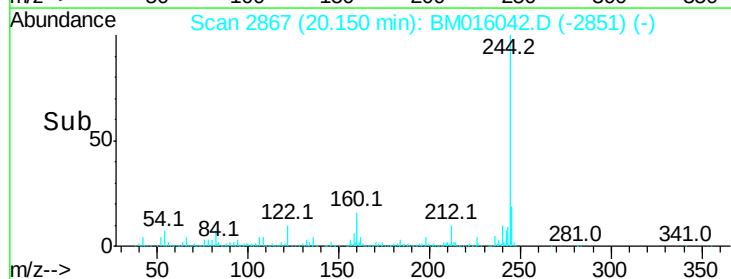
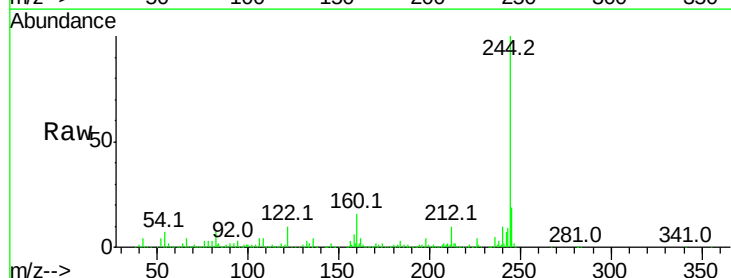
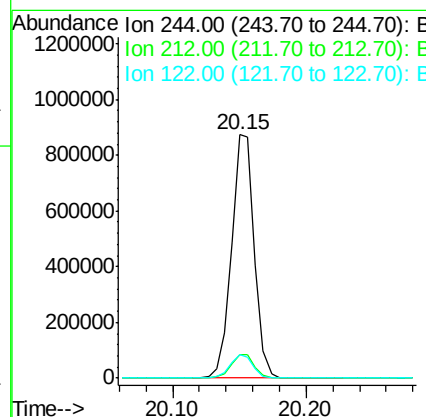
RT: 20.15 min Scan# 2867

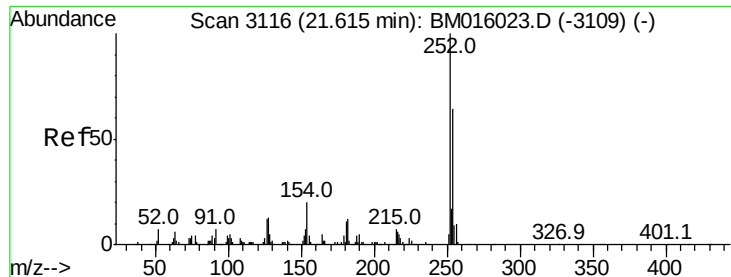
Delta R.T. -0.01 min

Lab File: BM016042.D

Acq: 24 Jul 2018 01:08

Tgt Ion:	244	Resp:	1043050
Ion Ratio	Lower	Upper	
244	100		
212	9.8	4.9	7.3#
122	9.9	6.2	9.4#





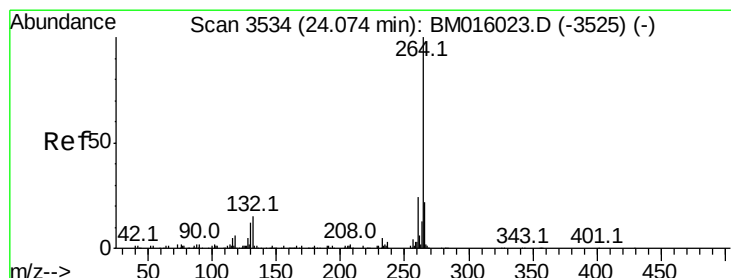
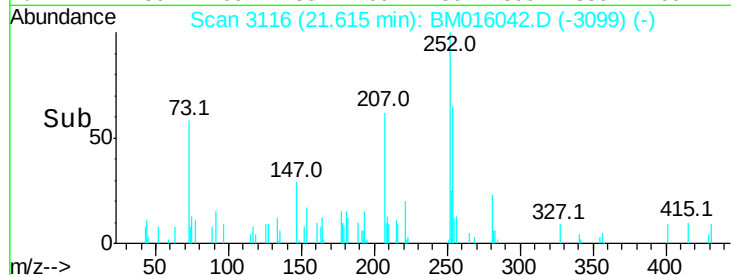
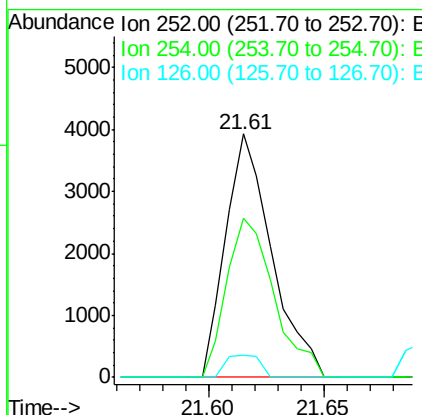
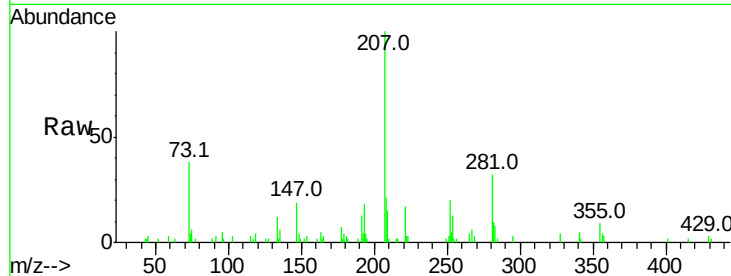
#81
 3,3'-Dichlorobenzidine
 Concen: 1.269 ng
 RT: 21.61 min Scan# 3116
 Delta R.T. -0.00 min
 Lab File: BM016042.D
 Acq: 24 Jul 2018 01:08

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.9	77.9
126	9.2	9.8	14.8

Manual Integrations
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Sohil
 7/24/2018 3:01:56 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.07 min Scan# 3533
 Delta R.T. -0.01 min
 Lab File: BM016042.D
 Acq: 24 Jul 2018 01:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.6	27.8
265	22.6	17.3	25.9

