

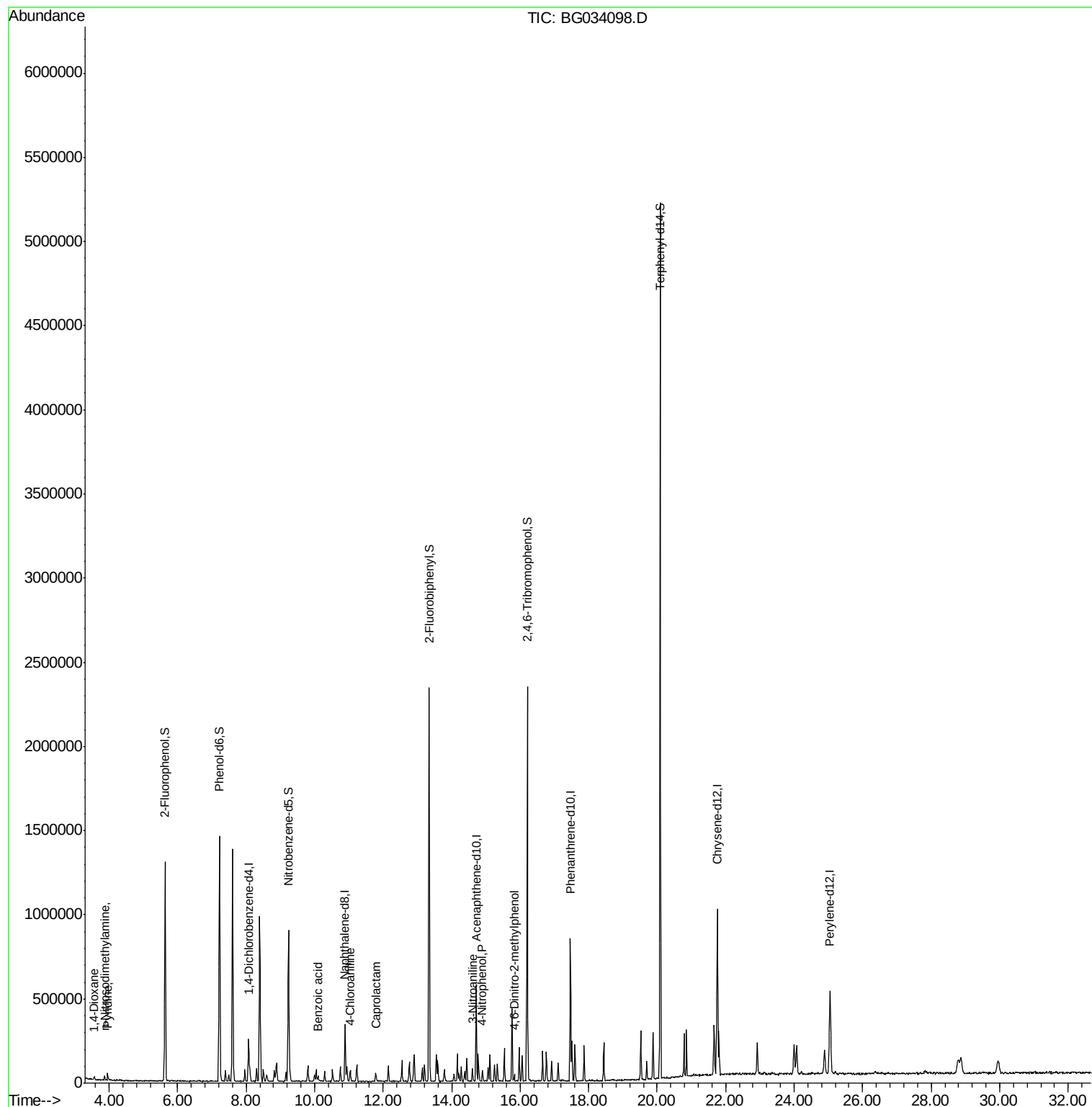
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050118\
Data File : BG034098.D
Acq On : 2 May 2018 3:30
Operator : SJ/JU
Sample : J2133-07
Misc : 5PPM LOD
ALS Vial : 16 Sample Multiplier: 1

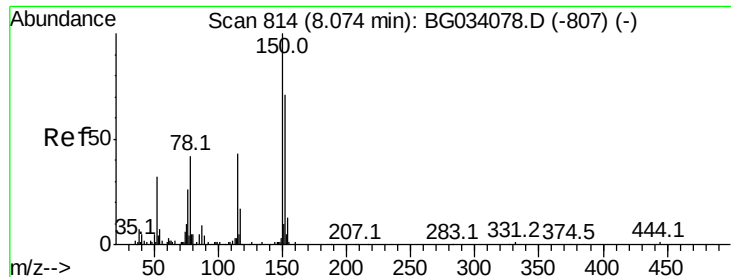
Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Manual Integrations
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Sohil
5/2/2018 4:50:53 PM

Quant Time: May 02 07:55:47 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 01 19:08:03 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.07 min Scan# 814

Delta R.T. -0.00 min

Lab File: BG034098.D

Acq: 2 May 2018 3:30

Instrument :

BNA_G

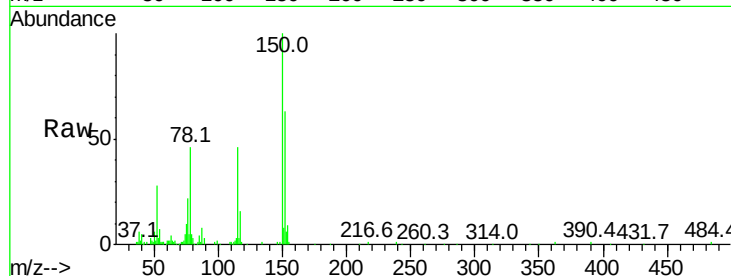
ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

Tot Ion:	152	Resp:	59296
Ion Ratio	Lower	Upper	
152	100		
150	157.6	126.6	189.8
115	71.9	53.0	79.4

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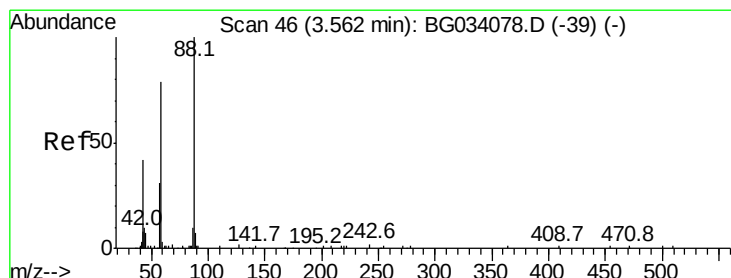
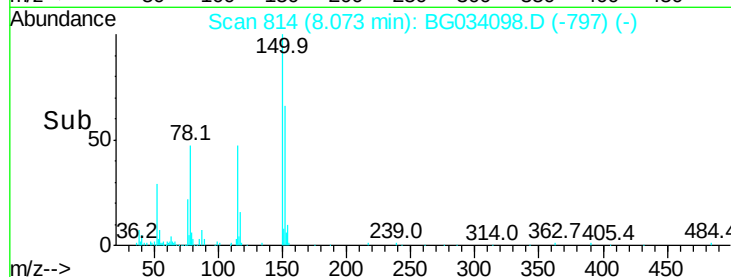
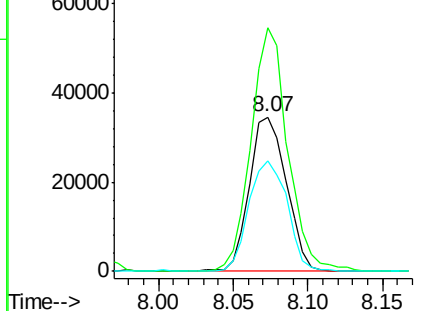
Sohil
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 6.457 ng

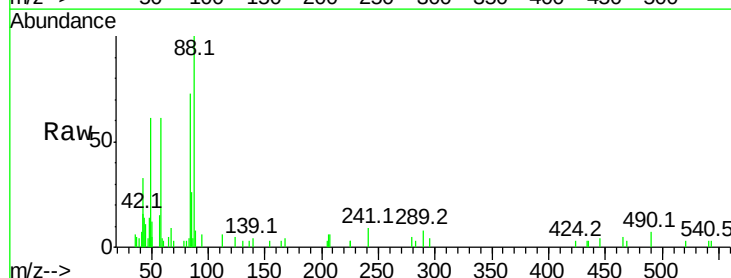
RT: 3.56 min Scan# 46

Delta R.T. -0.00 min

Lab File: BG034098.D

Acq: 2 May 2018 3:30

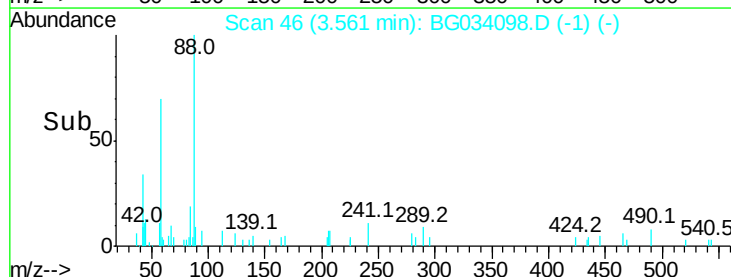
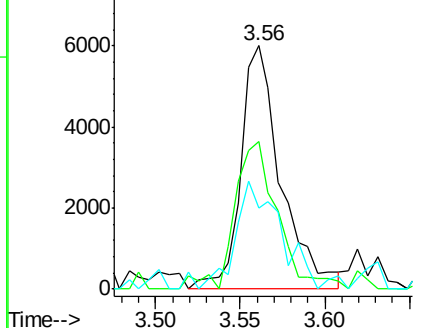
Tgt Ion:	88	Resp:	9951
Ion Ratio	Lower	Upper	
88	100		
58	65.1	79.6	119.4#
43	49.8	27.4	41.0#

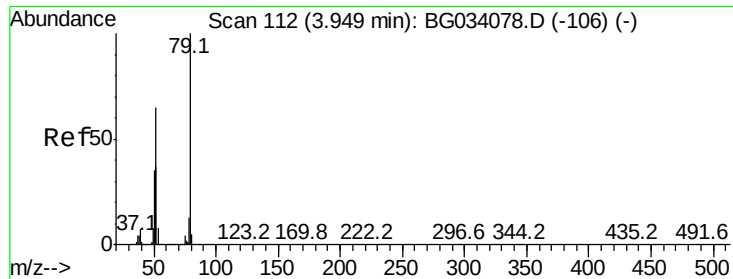


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 4.076 ng

RT: 3.95 min Scan# 113

Delta R.T. 0.01 min

Lab File: BG034098.D

Acq: 2 May 2018 3:30

Instrument :

BNA_G

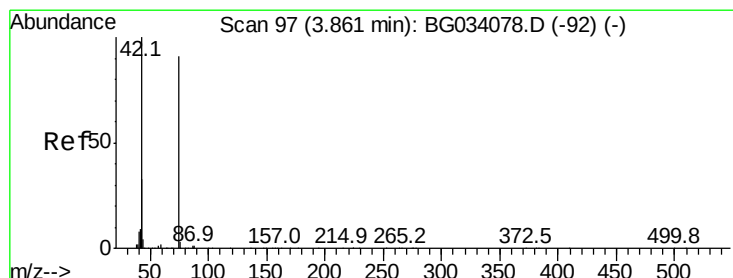
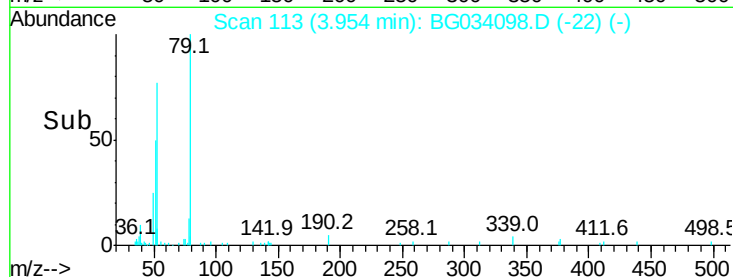
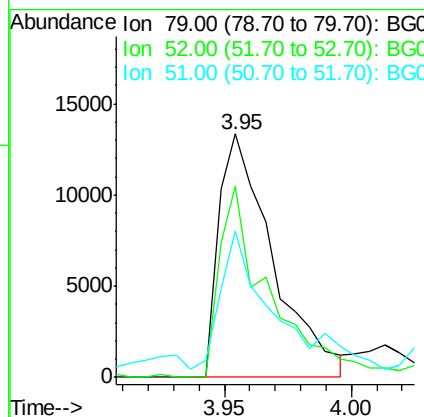
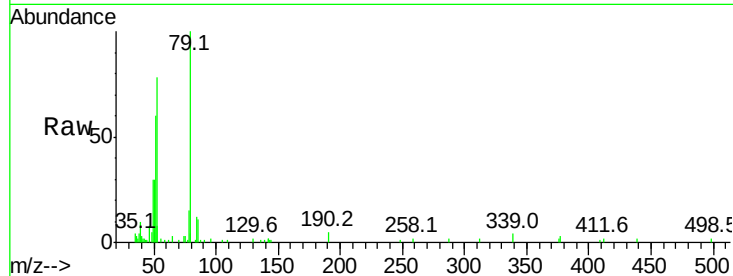
ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

Tot Ion:	79	Resp:	19709
Ion Ratio	Lower	Upper	
79	100		
52	78.5	69.9	104.9
51	60.1	34.0	51.0#

Manual Integrations
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5/2/2018 4:50:53 PM



#4

n-Nitrosodimethylamine

Concen: 5.052 ng

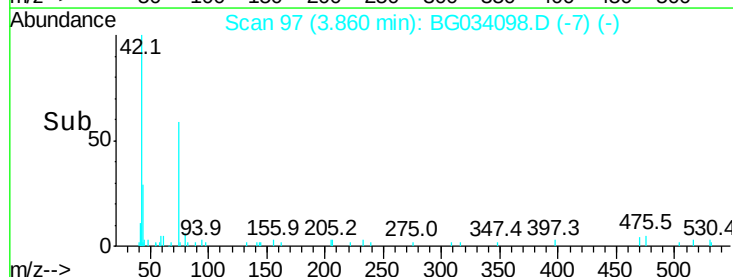
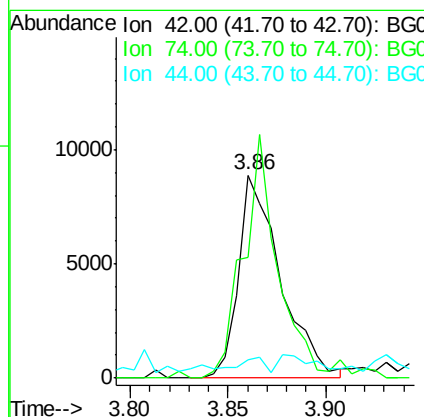
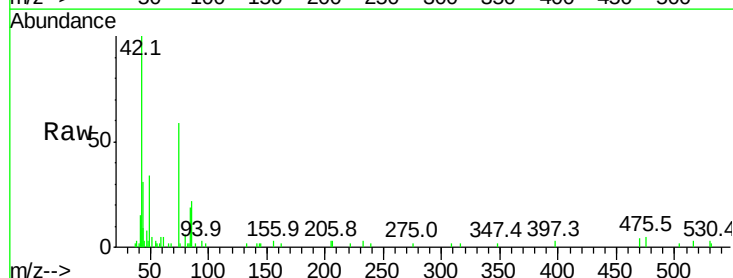
RT: 3.86 min Scan# 97

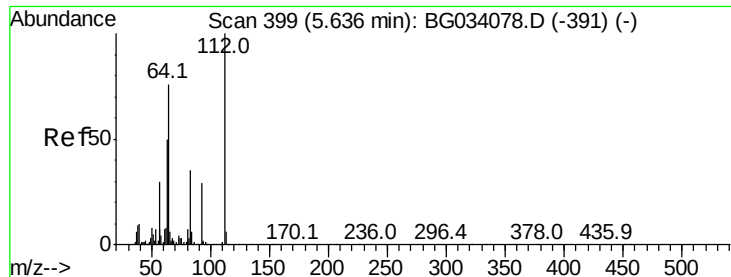
Delta R.T. -0.00 min

Lab File: BG034098.D

Acq: 2 May 2018 3:30

Tgt Ion:	42	Resp:	13322
Ion Ratio	Lower	Upper	
42	100		
74	59.2	102.5	153.7#
44	9.0	18.9	28.3#





#5

2-Fluorophenol

Concen: 130.249 ng

RT: 5.63 min Scan# 399

Delta R.T. -0.00 min

Lab File: BG034098.D

Acq: 2 May 2018 3:30

Instrument :

BNA_G

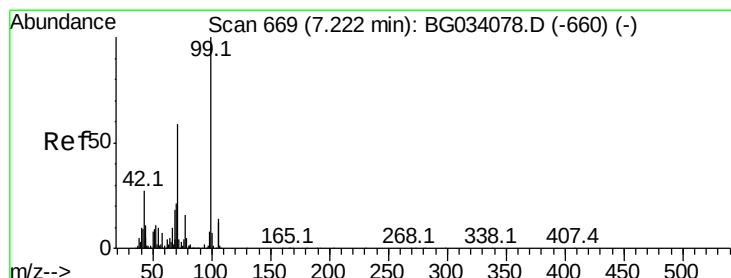
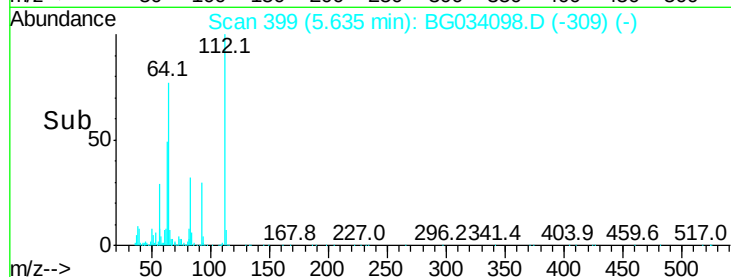
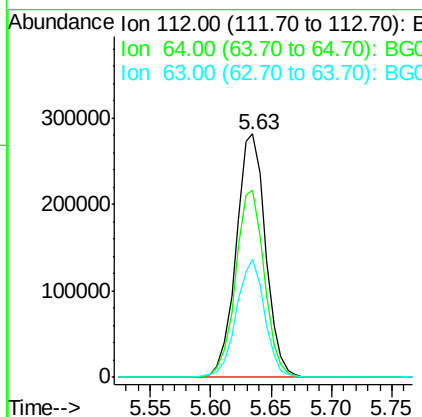
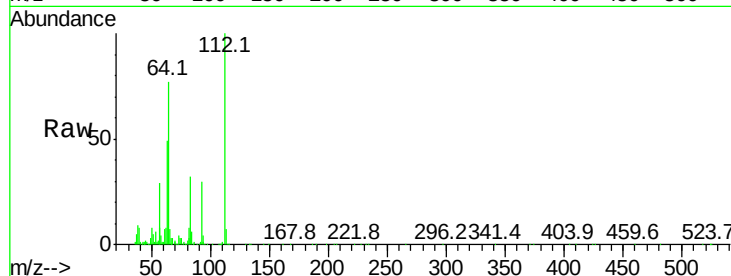
ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

Tot Ion:	112	Resp:	478035
Ion Ratio	Lower	Upper	
112	100		
64	76.7	56.3	84.5
63	48.7	30.1	45.1#

Manual Integrations
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Sohil
5/2/2018 4:50:53 PM



#7

Phenol-d6

Concen: 126.398 ng

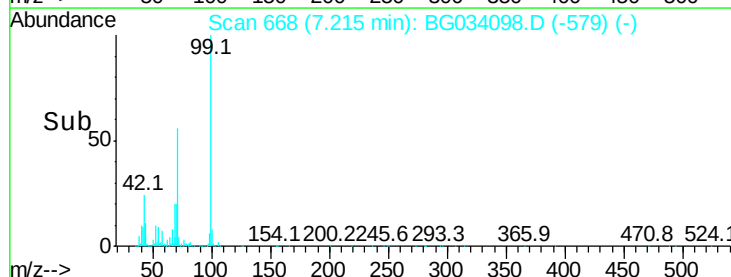
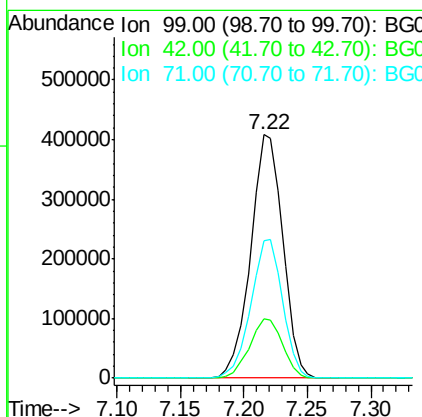
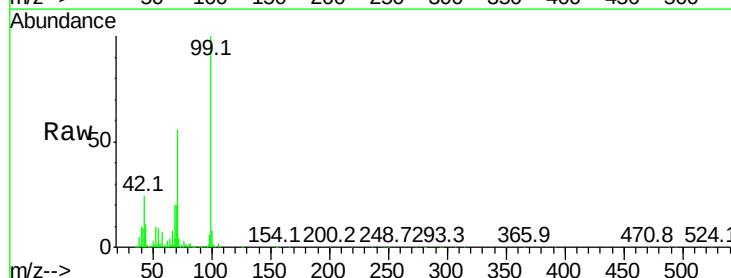
RT: 7.22 min Scan# 668

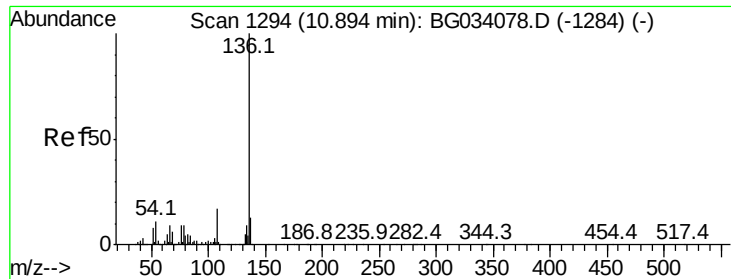
Delta R.T. -0.01 min

Lab File: BG034098.D

Acq: 2 May 2018 3:30

Tgt Ion:	99	Resp:	722205
Ion Ratio	Lower	Upper	
99	100		
42	24.5	14.1	21.1#
71	56.4	26.1	39.1#





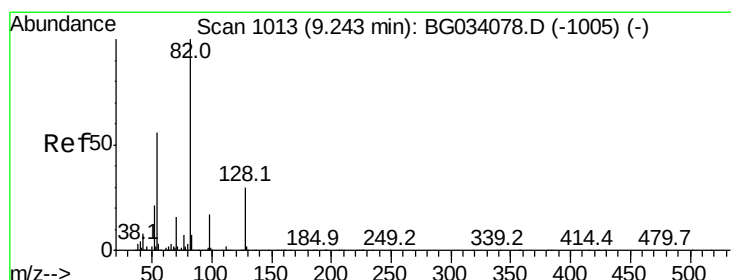
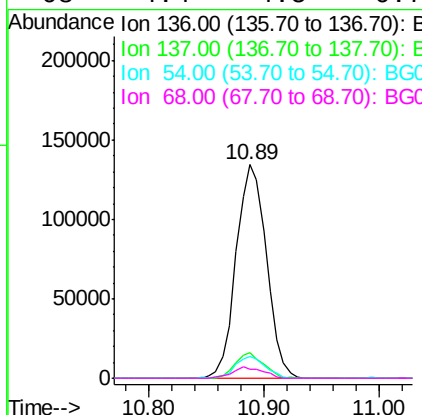
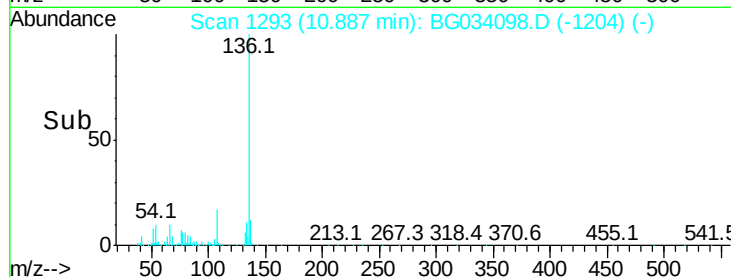
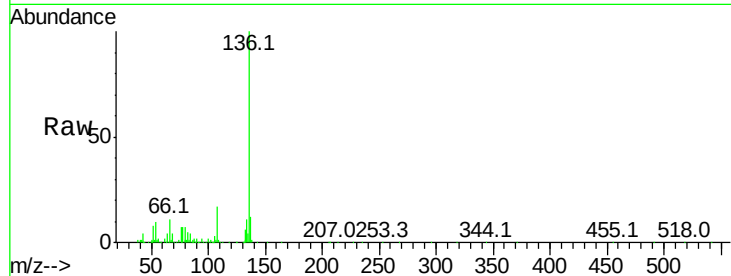
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG034098.D
Acq: 2 May 2018 3:30

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		243632		
137	12.0	9.2	13.8		
54	10.3	10.3	15.5#		
68	4.4	4.5	6.7#		

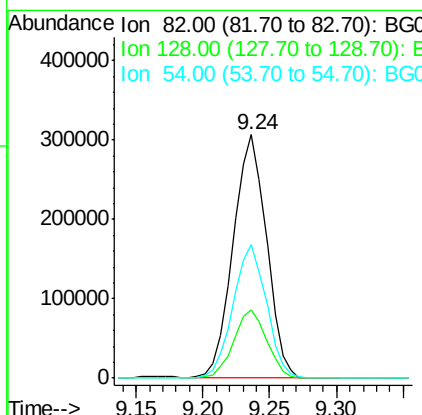
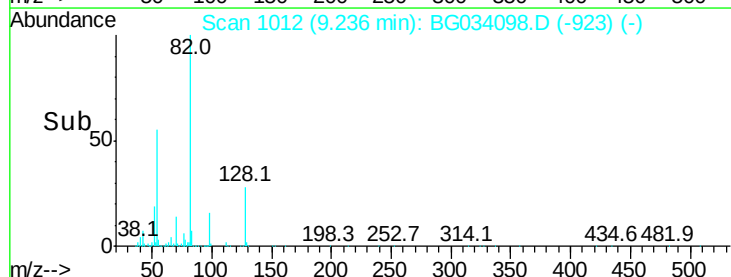
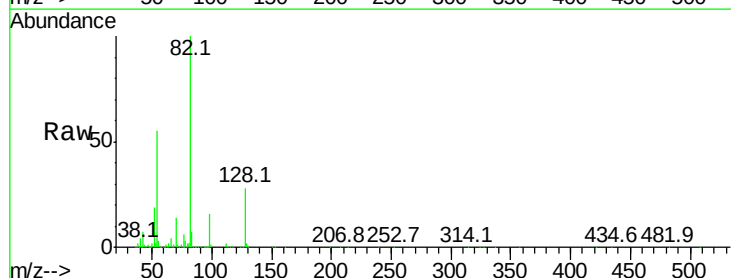
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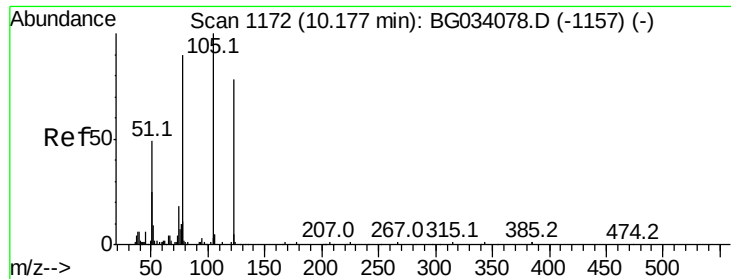
Sohil
5/2/2018 4:50:53 PM



#23
Nitrobenzene-d5
Concen: 83.984 ng
RT: 9.24 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BG034098.D
Acq: 2 May 2018 3:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		533288		
128	28.0	29.7	44.5#		
54	54.6	43.1	64.7		





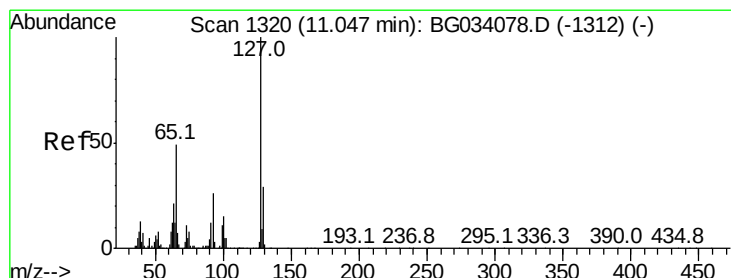
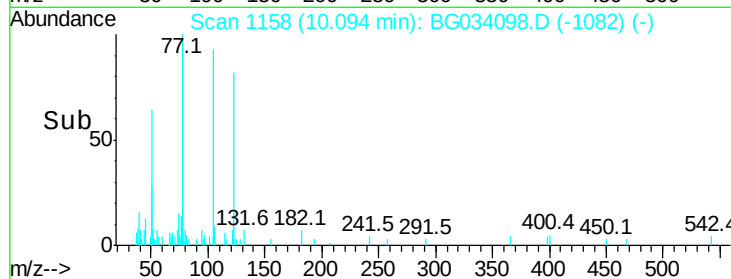
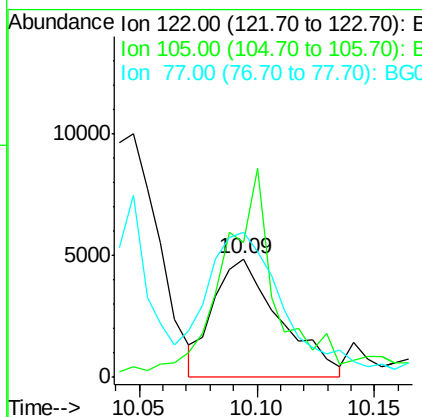
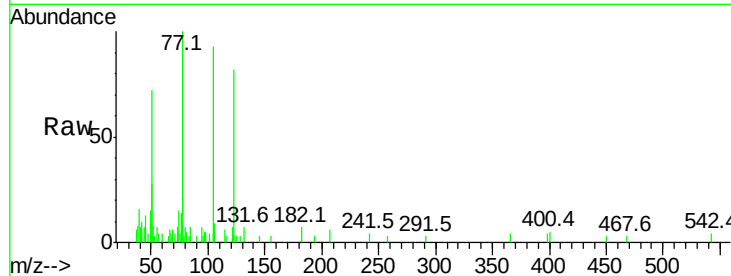
#32
Benzoic acid
Concen: 6.073 ng/ml
RT: 10.09 min Scan# 1158
Delta R.T. -0.08 min
Lab File: BG034098.D
Acq: 2 May 2018 3:30

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
122	100		
105	113.8	123.5	163.5#
77	122.0	85.7	125.7

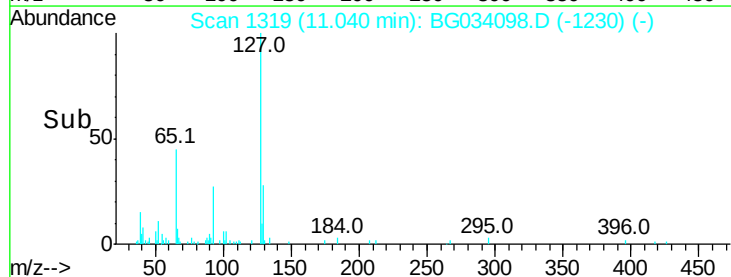
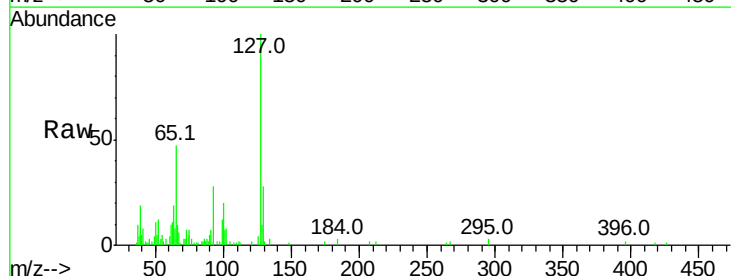
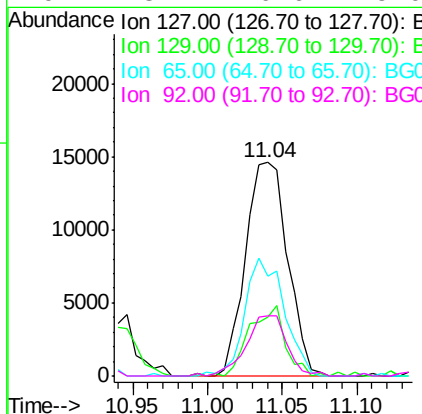
Manual Integrations
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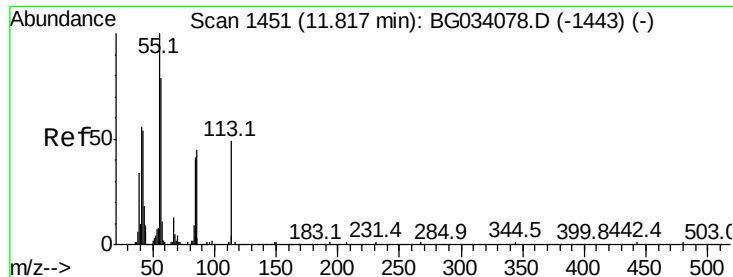
Sohil
5/2/2018 4:50:53 PM



#33
4-Chloroaniline
Concen: 4.931 ng/ml
RT: 11.04 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BG034098.D
Acq: 2 May 2018 3:30

Tgt Ion	Ratio	Lower	Upper
127	100		
129	27.5	24.0	36.0
65	46.8	27.0	40.4#
92	28.4	16.6	25.0#





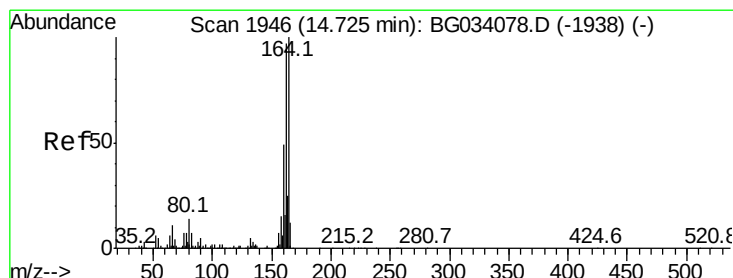
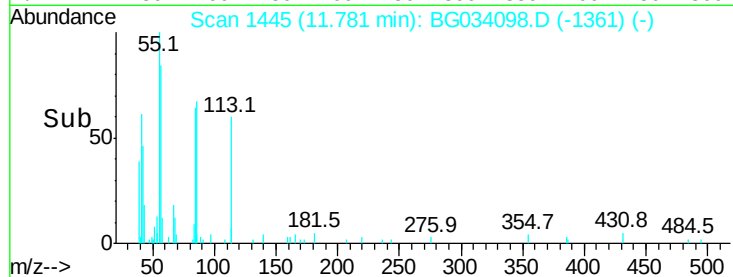
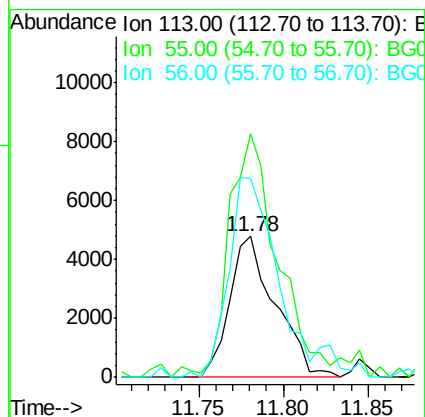
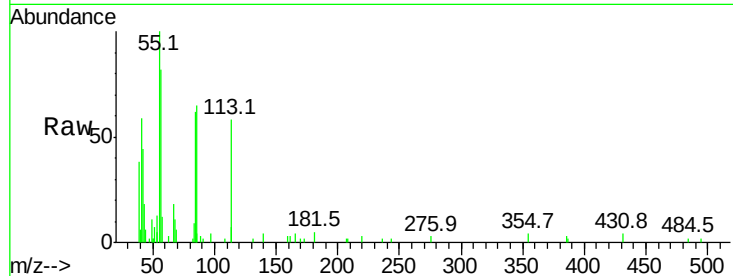
#35
 Caprolactam
 Concen: 5.662 ng
 RT: 11.78 min Scan# 1445
 Delta R.T. -0.04 min
 Lab File: BG034098.D
 Acq: 2 May 2018 3:30

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
113	100		
55	172.7	186.9	226.9#
56	140.8	130.9	170.9

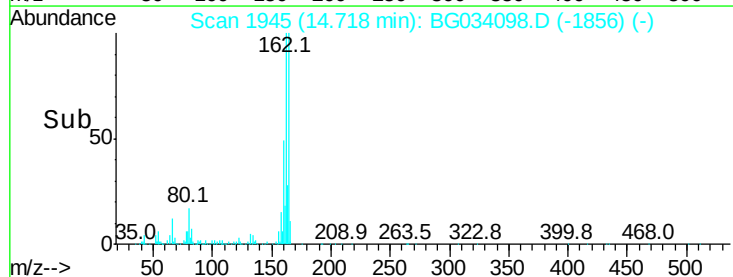
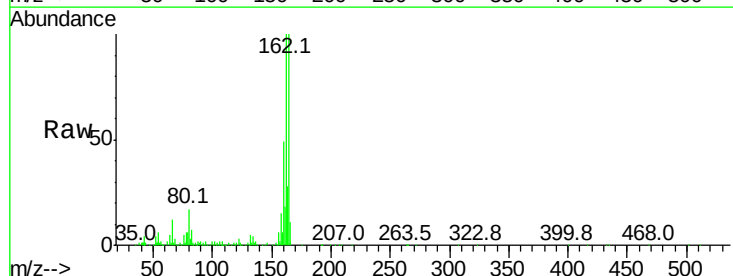
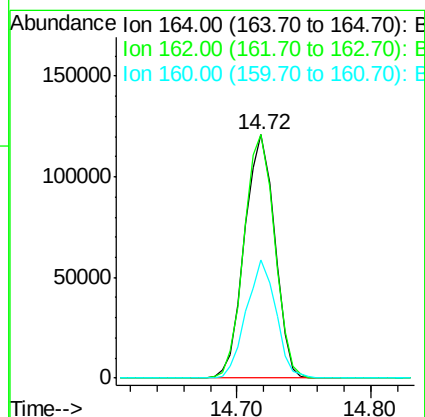
Manual Integrations
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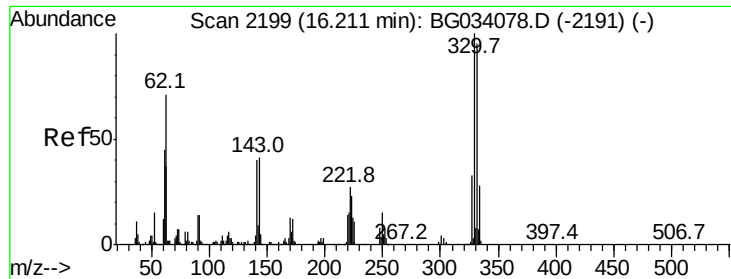
Sohil
 5/2/2018 4:50:53 PM



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. -0.01 min
 Lab File: BG034098.D
 Acq: 2 May 2018 3:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.8	78.8	118.2
160	48.7	35.4	53.0





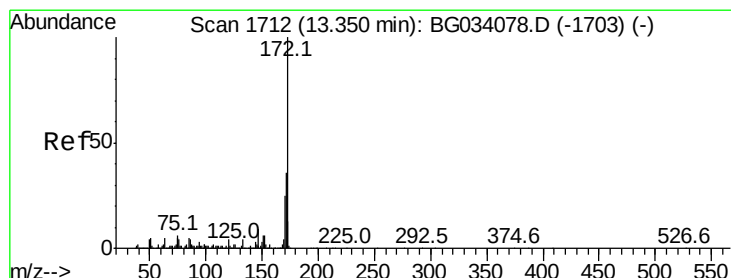
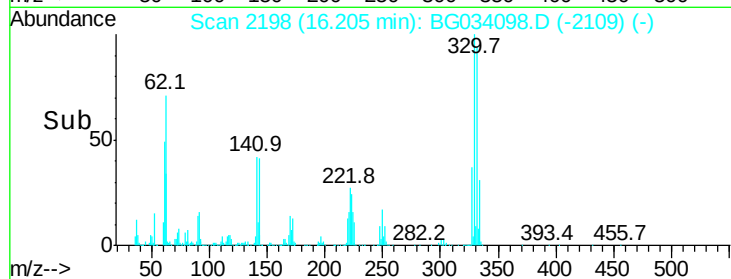
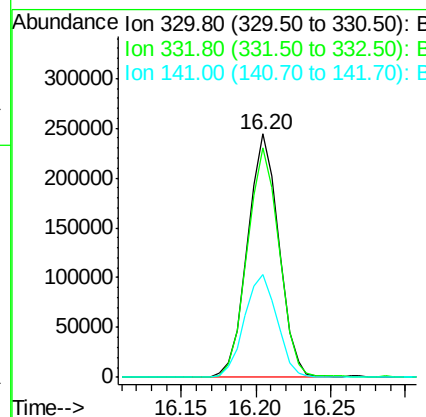
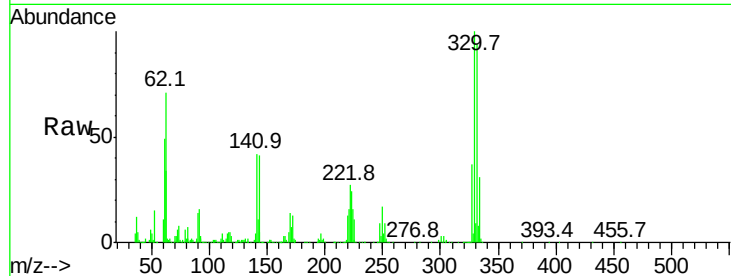
#41
 2,4,6-Tribromophenol
 Concen: 135.810 ng
 RT: 16.20 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BG034098.D
 Acq: 2 May 2018 3:30

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	44.0	25.2	37.8

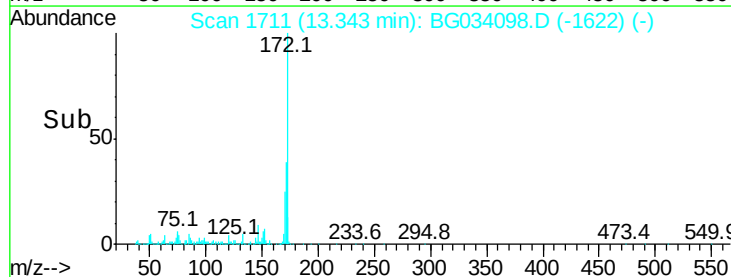
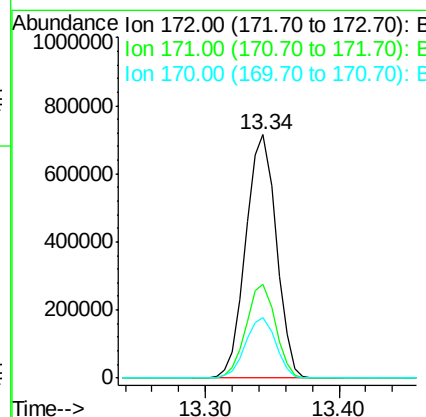
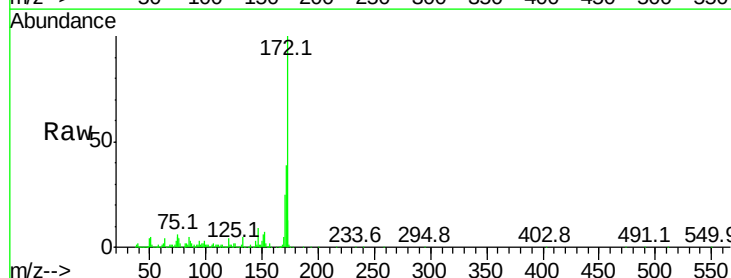
Manual Integrations
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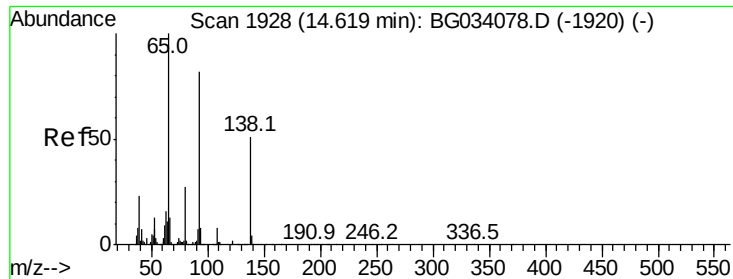
Sohil
 5/2/2018 4:50:53 PM



#44
 2-Fluorobiphenyl
 Concen: 86.727 ng
 RT: 13.34 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BG034098.D
 Acq: 2 May 2018 3:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	30.0	45.0
170	25.0	19.5	29.3





#52

3-Nitroaniline

Concen: 4.785 ng

RT: 14.61 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BG034098.D

Acq: 2 May 2018 3:30

Instrument :

BNA_G

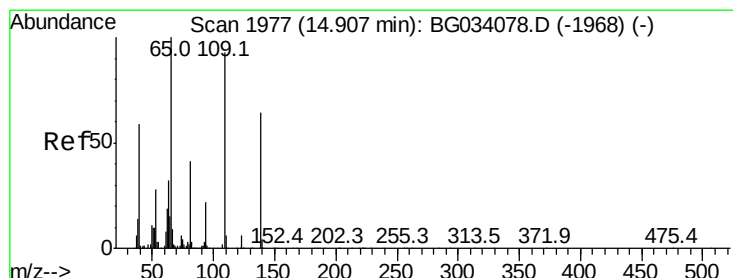
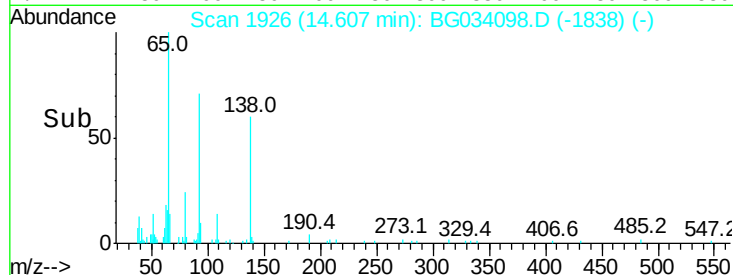
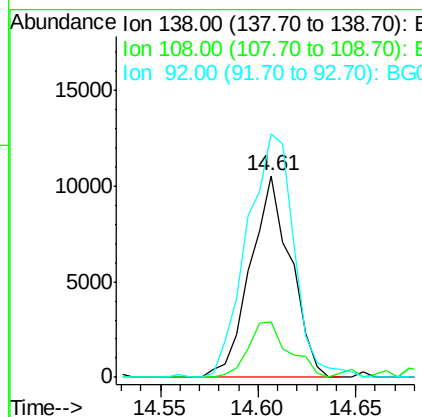
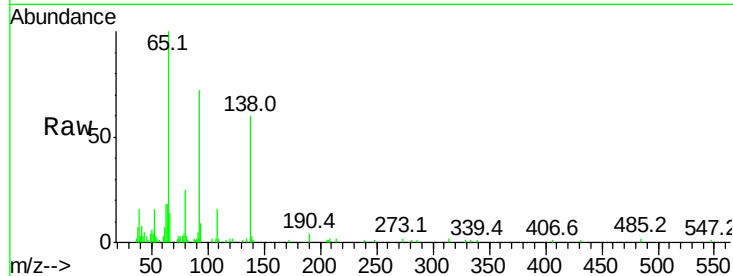
ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

Tot Ion	Ratio	Resp	Lower	Upper
138	100			
108	27.3	17.5	26.3#	
92	120.9	105.8	158.8	

Manual Integrations
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Sohil
5/2/2018 4:50:53 PM



#55

4-Nitrophenol

Concen: 4.309 ng

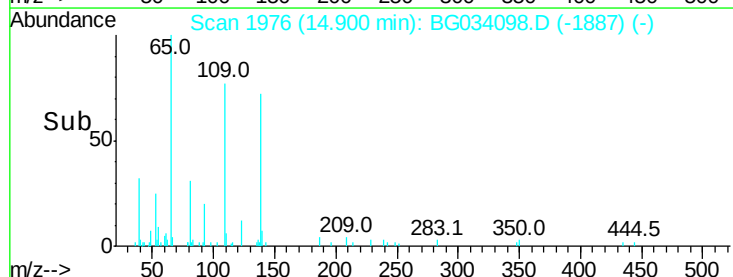
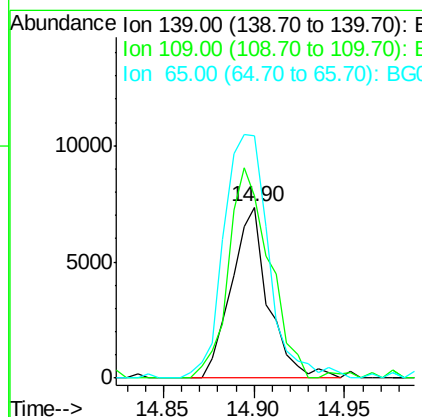
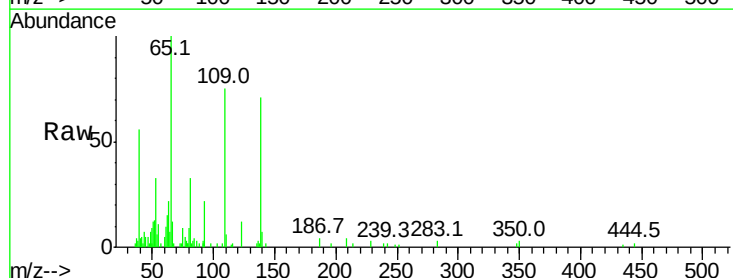
RT: 14.90 min Scan# 1976

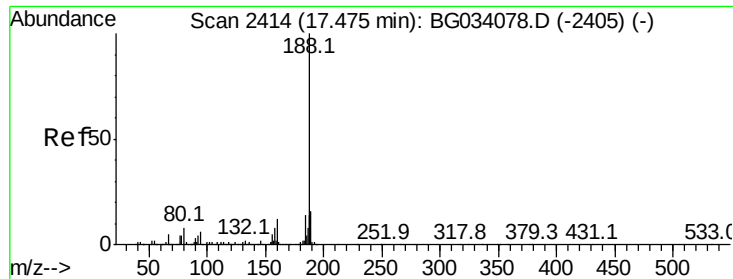
Delta R.T. -0.01 min

Lab File: BG034098.D

Acq: 2 May 2018 3:30

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	106.6	62.2	102.2#	
65	141.8	97.2	137.2#	





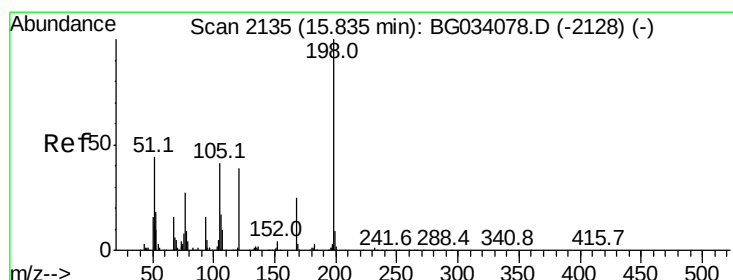
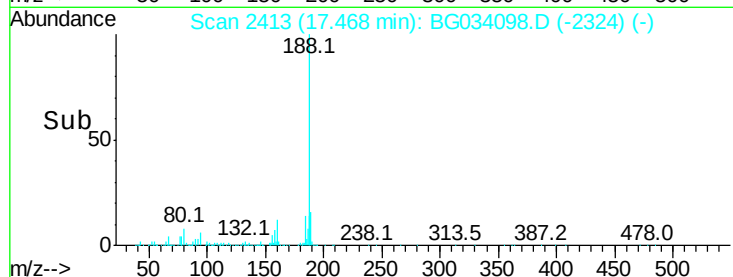
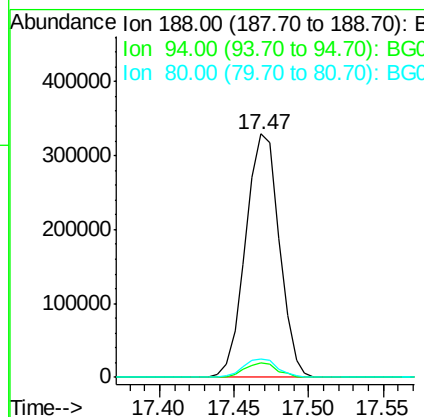
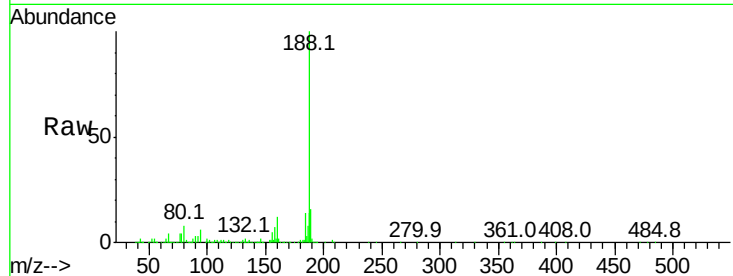
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.47 min Scan# 2413
Delta R.T. -0.01 min
Lab File: BG034098.D
Acq: 2 May 2018 3:30

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	6.2	6.9	10.3#
80	7.5	7.7	11.5#

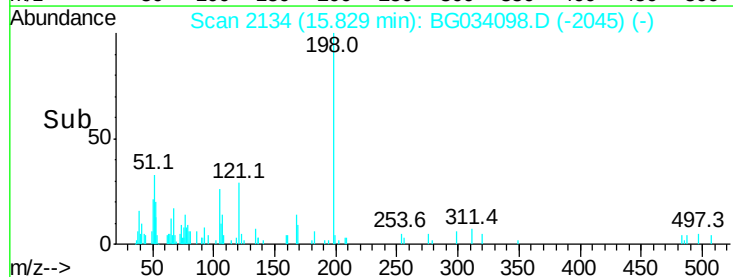
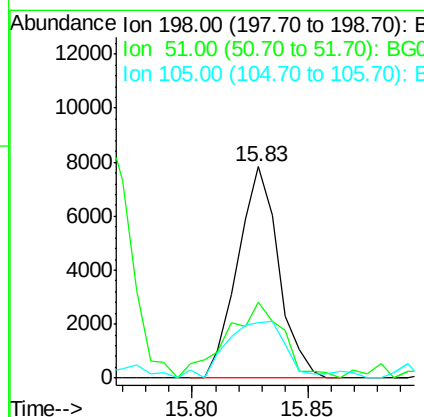
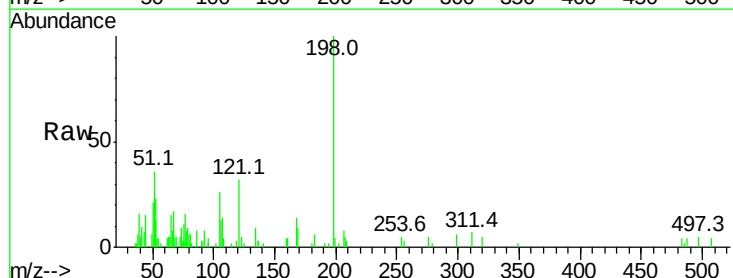
Manual Integrations
APPROVED

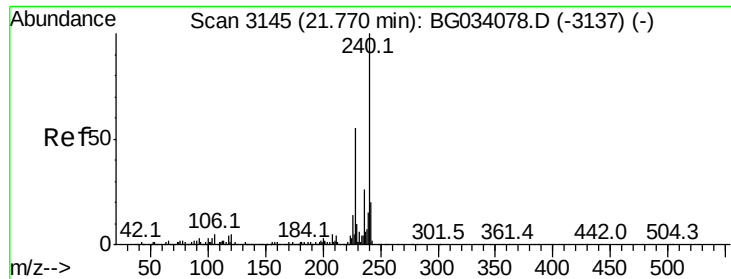
Sohil
5/2/2018 4:50:53 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 4.012 ng
RT: 15.83 min Scan# 2134
Delta R.T. -0.01 min
Lab File: BG034098.D
Acq: 2 May 2018 3:30

Tgt Ion	Ratio	Resp Lower	Upper
198	100		
51	35.7	30.6	70.6
105	26.0	23.8	63.8





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3143

Delta R.T. -0.01 min

Lab File: BG034098.D

Acq: 2 May 2018 3:30

Instrument :

BNA_G

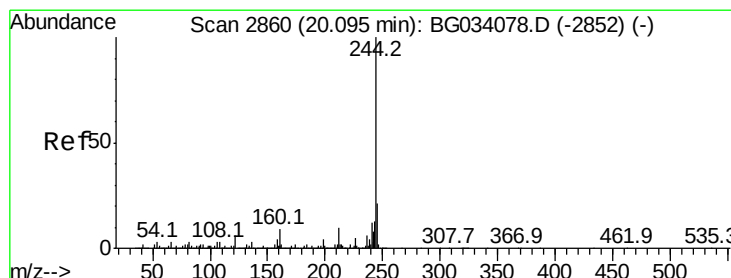
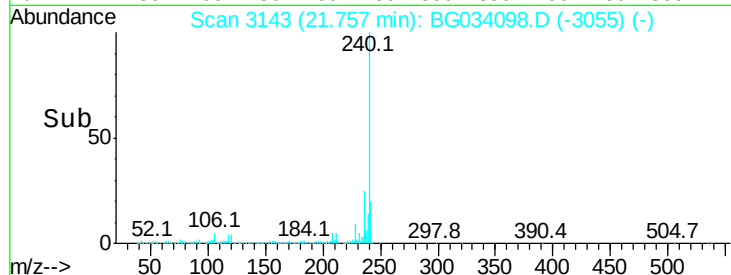
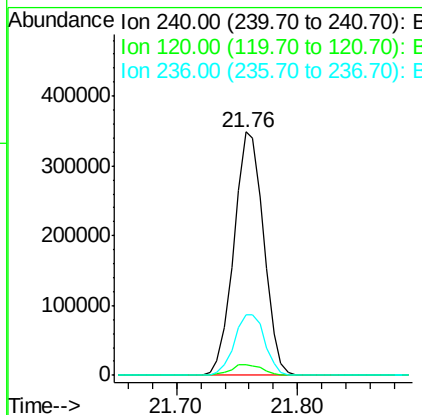
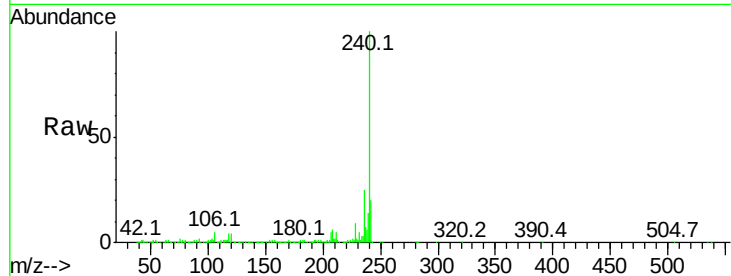
ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

Tot Ion:	240	Resp:	598258
Ion Ratio	Lower	Upper	
240	100		
120	4.5	6.8	10.2#
236	24.8	20.9	31.3

Manual Integrations
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Sohil
5/2/2018 4:50:53 PM



#78

Terphenyl-d14

Concen: 81.387 ng

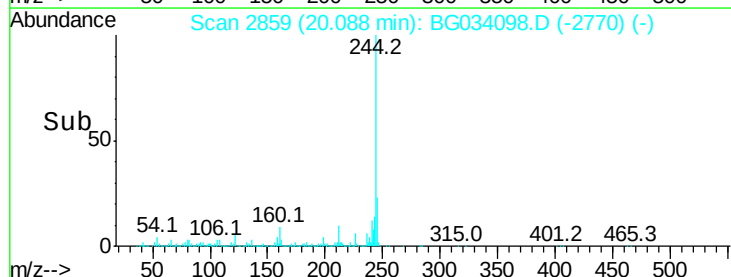
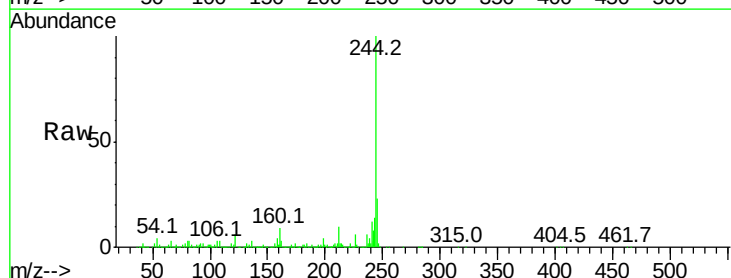
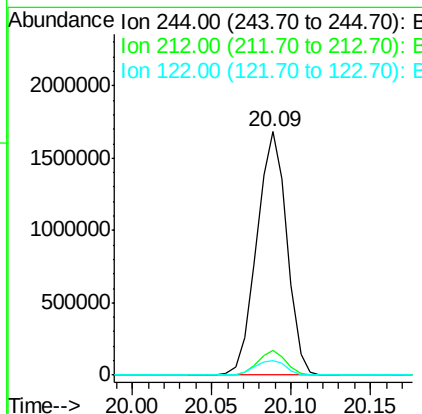
RT: 20.09 min Scan# 2859

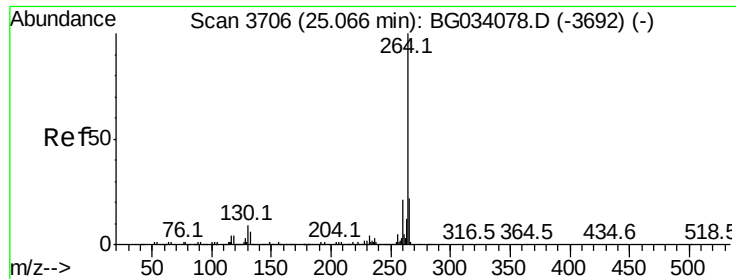
Delta R.T. -0.01 min

Lab File: BG034098.D

Acq: 2 May 2018 3:30

Tgt Ion:	244	Resp:	2222635
Ion Ratio	Lower	Upper	
244	100		
212	10.0	5.8	8.8#
122	6.2	7.0	10.4#





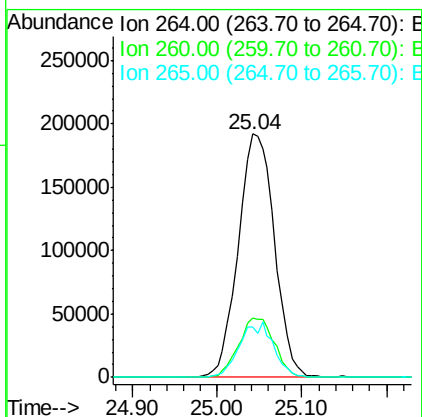
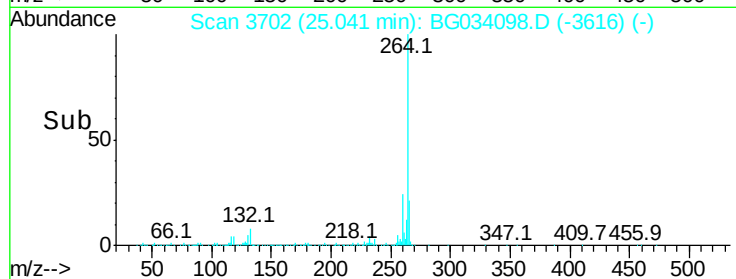
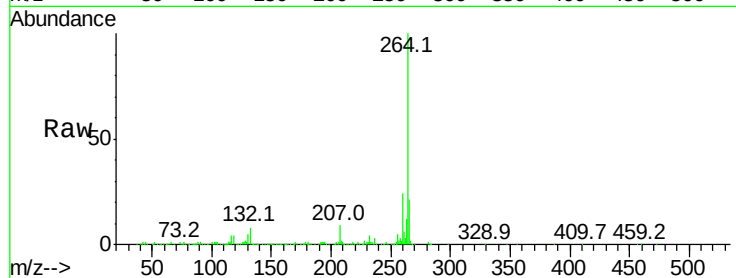
#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.04 min Scan# 3702
 Delta R.T. -0.02 min
 Lab File: BG034098.D
 Acq: 2 May 2018 3:30

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

Tot Ion:	264	Resp:	570770
Ion Ratio		Lower	Upper
264	100		
260	24.2	17.4	26.0
265	20.8	17.7	26.5

Manual Integrations
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Sohil
 5/2/2018 4:50:53 PM



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050118\
 Data File : BG034098.D
 Acq On : 2 May 2018 3:30
 Operator : SJ/JU
 Sample : J2133-07
 Misc : 5PPM LOD
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

Manual Integrations
 APPROVED

Sohil
 5/2/2018 4:50:53 PM

Quant Time: May 02 07:55:47 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 01 19:08:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	59296	20.00	ng	0.00
21) Naphthalene-d8	10.89	136	243632	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	188692	20.00	ng	0.00
63) Phenanthrene-d10	17.47	188	512875	20.00	ng	0.00
75) Chrysene-d12	21.76	240	598258	20.00	ng	-0.01
86) Perylene-d12	25.04	264	570770	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	478035	130.25	ng	0.00
7) Phenol-d6	7.22	99	722205	126.40	ng	0.00
23) Nitrobenzene-d5	9.24	82	533288	83.98	ng	0.00
41) 2,4,6-Tribromophenol	16.20	330	354848	135.81	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	1123060	86.73	ng	0.00
78) Terphenyl-d14	20.09	244	2222635	81.39	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.56	88	9951	6.457	ng	# 67
3) Pyridine	3.95	79	19709	4.076	ng	# 84
4) n-Nitrosodimethylamine	3.86	42	13322	5.052	ng	# 45
32) Benzoic acid	10.09	122	9577m	6.073	ng	
33) 4-Chloroaniline	11.04	127	28472	4.931	ng	# 85
35) Caprolactam	11.78	113	8967	5.662	ng	# 84
52) 3-Nitroaniline	14.61	138	15155	4.785	ng	# 90
55) 4-Nitrophenol	14.90	139	10417	4.309	ng	# 76
64) 4,6-Dinitro-2-methylphenol	15.83	198	9675	4.012	ng	76

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