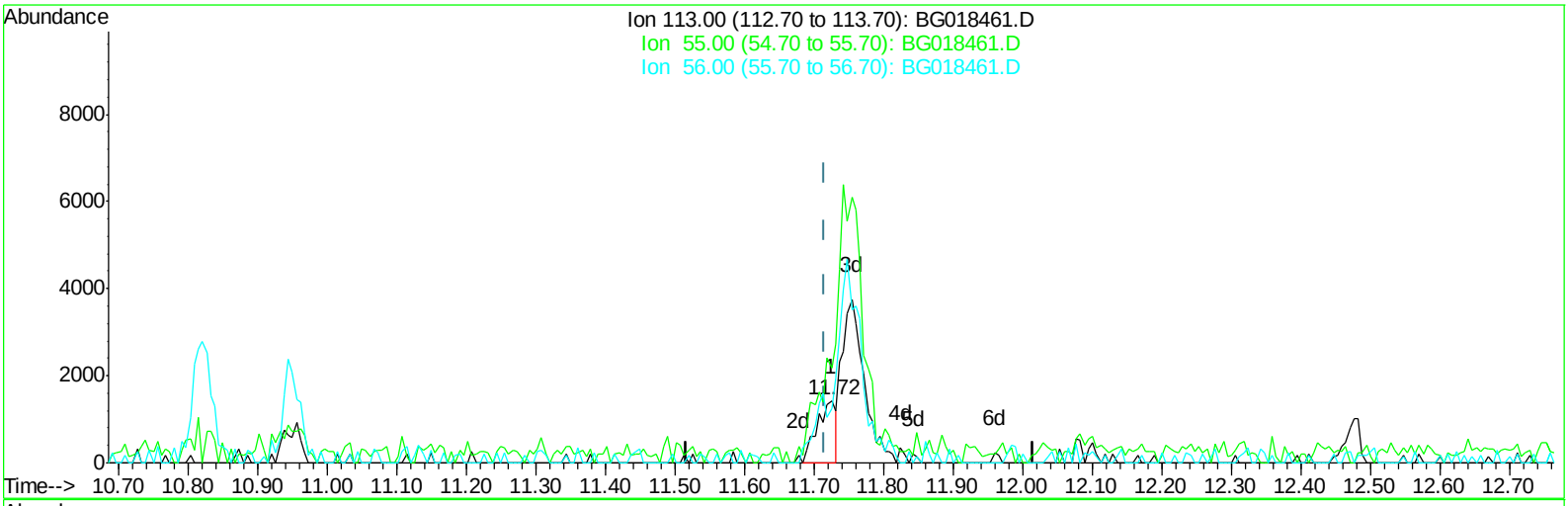
Quantitation Report (Qedit)

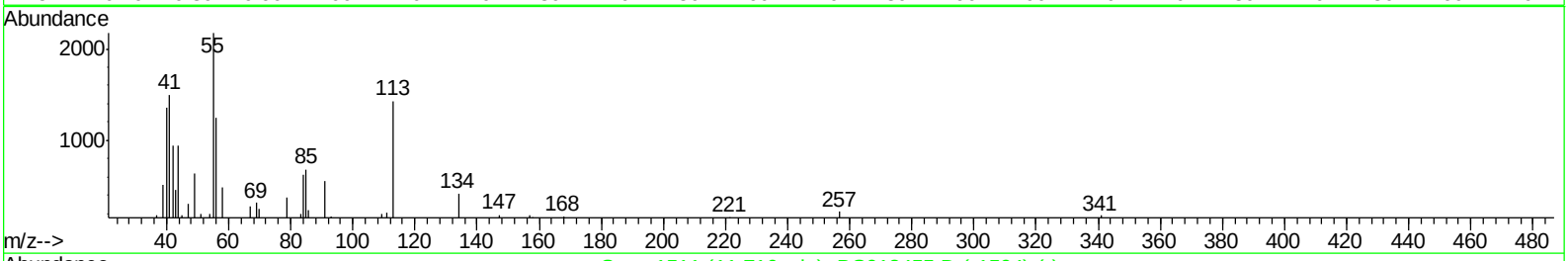
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081815\
Data File : BG018461.D
Acq On : 18 Aug 2015 12:59
Operator : UM/MA
Sample : MDL-05-S
Misc :
ALS Vial : 8 Sample Multiplier: 1

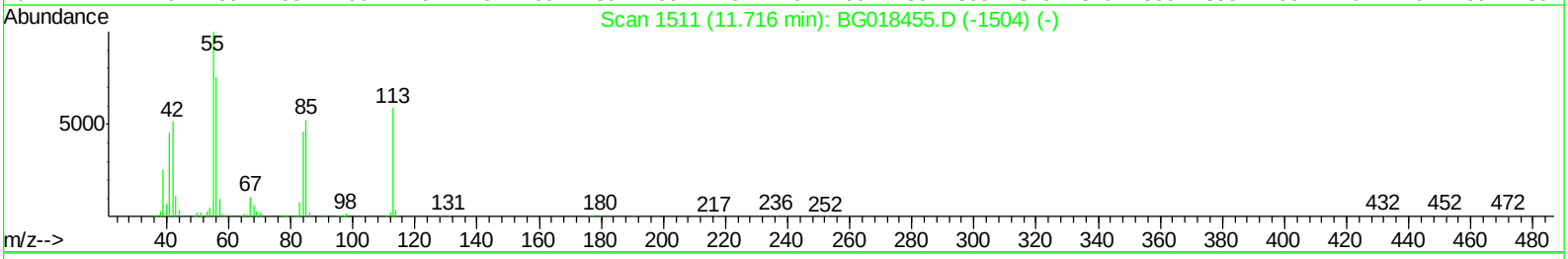
Quant Time: Aug 19 01:04:56 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 19 00:53:00 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-05-S-ML

Manual Integrations APPROVED
MMDadoda
8/19/2015 2:12:54 PM







TIC: BG018461.D

(32) Caprolactam

11.725min (+0.008) 0.92ng/ul

response 2660

Ion	Exp%	Act%
113.00	100	100
55.00	155.30	151.92
56.00	122.80	87.35#
0.00	0.00	0.00

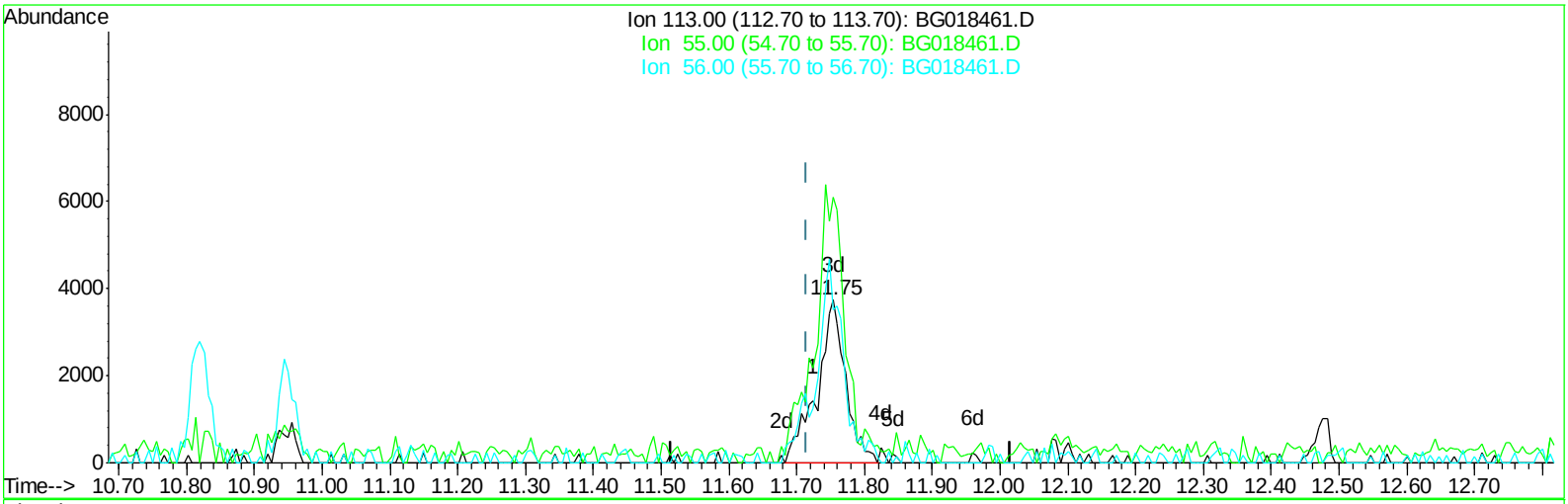
Quantitation Report (Qedit)

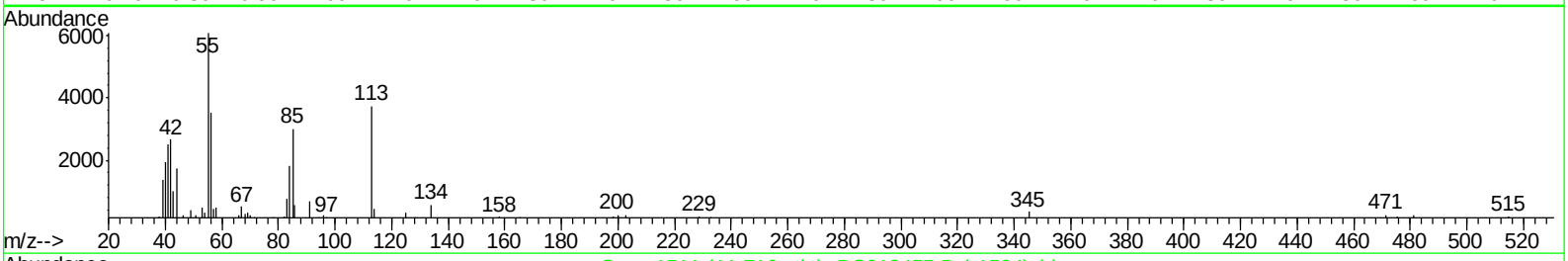
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081815\
Data File : BG018461.D
Acq On : 18 Aug 2015 12:59
Operator : UM/MA
Sample : MDL-05-S
Misc :
ALS Vial : 8 Sample Multiplier: 1

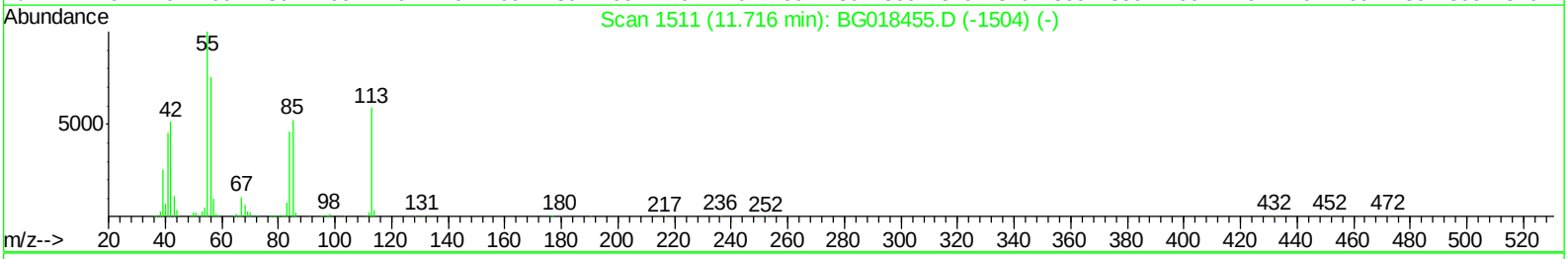
Quant Time: Aug 19 01:04:56 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 19 00:53:00 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-05-S-ML

Manual Integrations APPROVED
MMDadoda
8/19/2015 2:12:54 PM







TIC: BG018461.D

(32) Caprolactam

11.754min (+0.038) 3.81ng/ul m

response 11031

Ion	Exp%	Act%
113.00	100	100
55.00	155.30	162.72
56.00	122.80	94.12#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081815\
Data File : BG018461.D
Acq On : 18 Aug 2015 12:59
Operator : UM/MA
Sample : MDL-05-S
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 19 01:04:56 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 19 00:53:00 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-05-S-ML

Manual Integrations APPROVED
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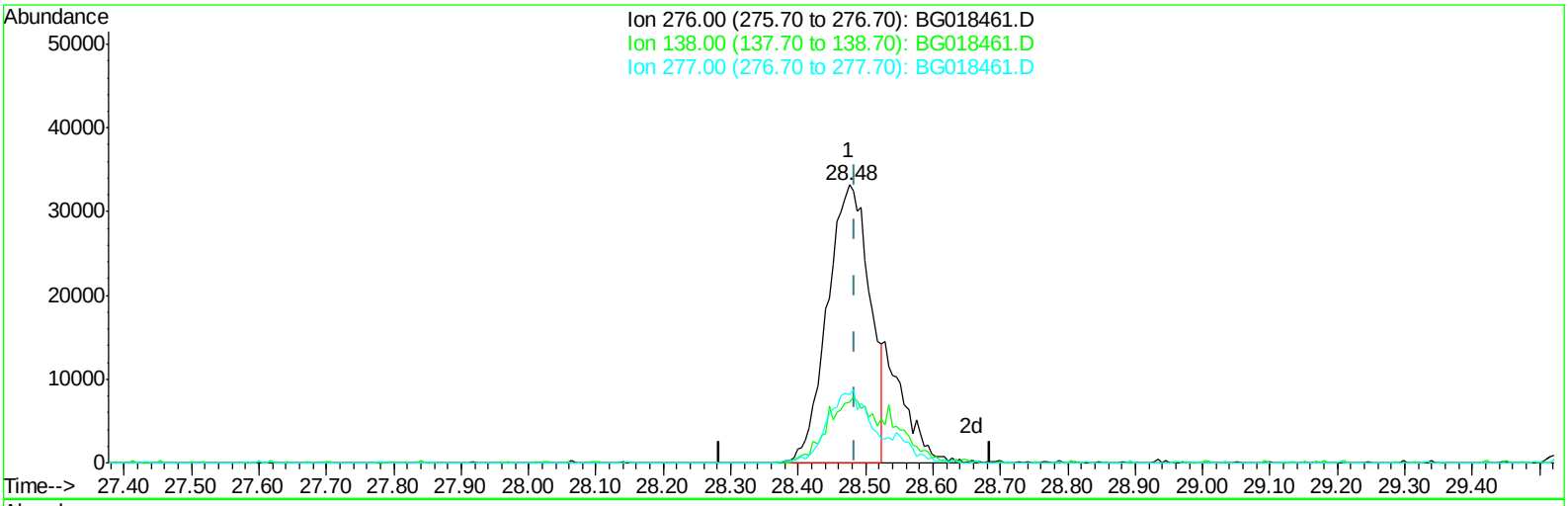

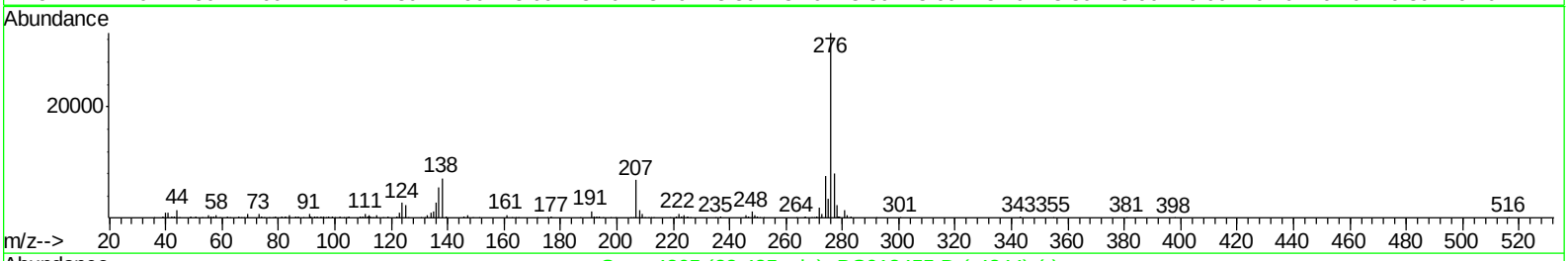

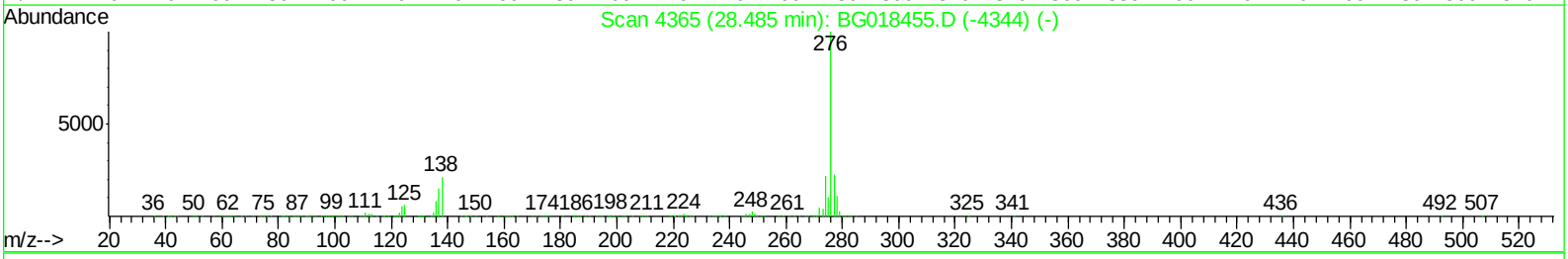

TIC: BG018461.D

(92) Indeno(1,2,3-cd)pyrene

28.475min (-0.009) 2.61ng/ul

response 144977

Ion	Exp%	Act%
276.00	100	100
138.00	19.70	21.63
277.00	23.60	24.35
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081815\
Data File : BG018461.D
Acq On : 18 Aug 2015 12:59
Operator : UM/MA
Sample : MDL-05-S
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 19 01:04:56 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 19 00:53:00 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-05-S-ML

Manual Integrations APPROVED
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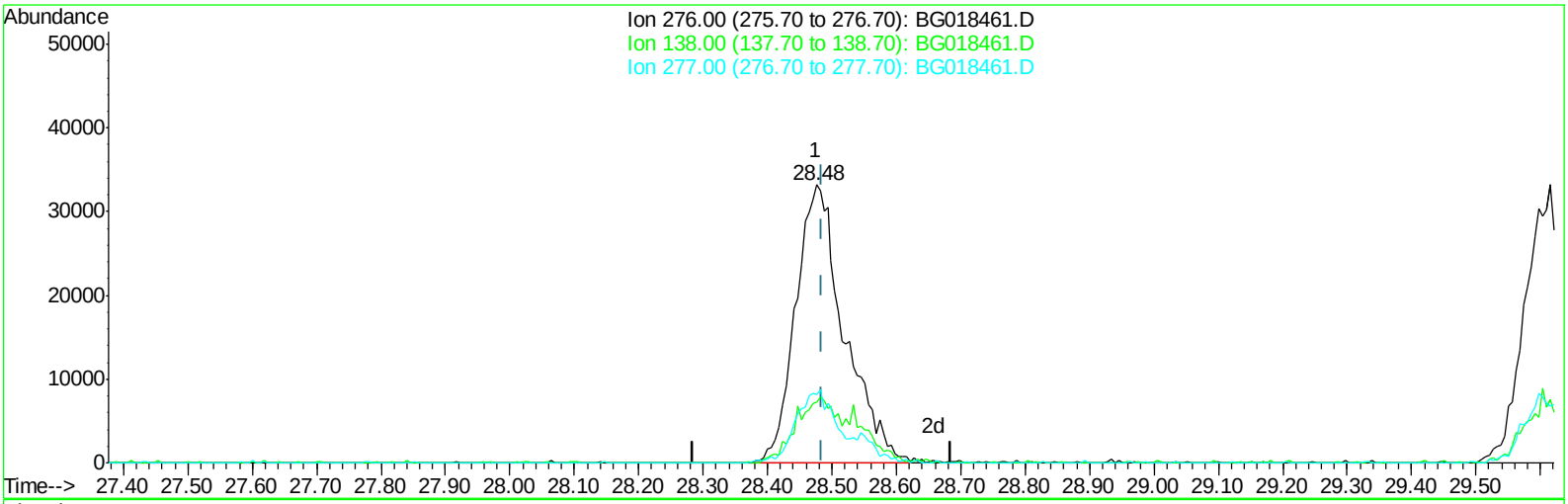

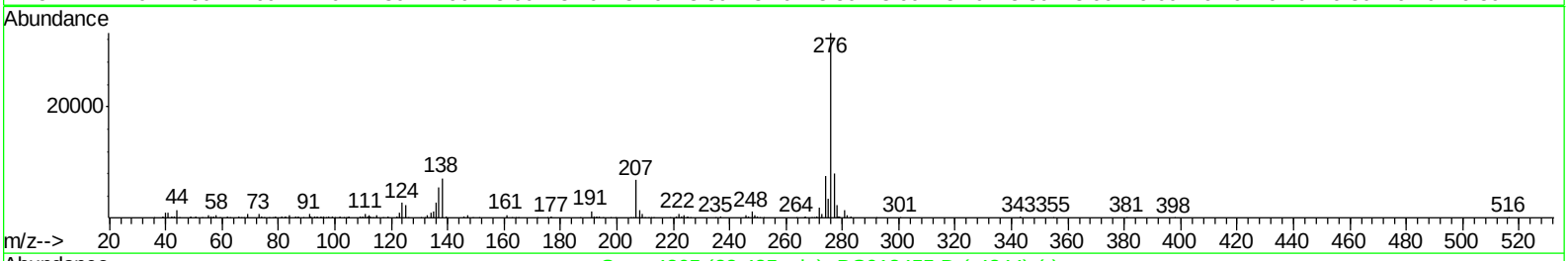

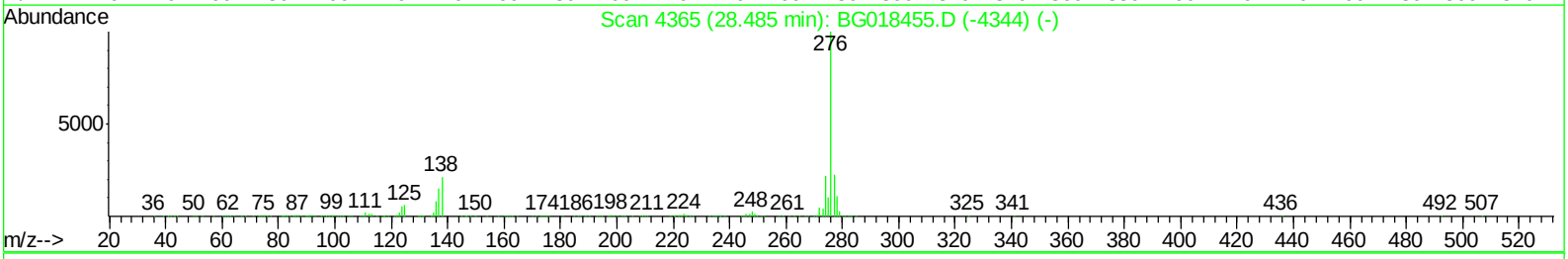

TIC: BG018461.D

(92) Indeno(1,2,3-cd)pyrene

28.475min (-0.009) 3.17ng/ul m

response 176364

Ion	Exp%	Act%
276.00	100	100
138.00	19.70	21.63
277.00	23.60	24.35
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081815\
Data File : BG018461.D
Acq On : 18 Aug 2015 12:59
Operator : UM/MA
Sample : MDL-05-S
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 19 01:04:56 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 19 00:53:00 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-05-S-ML

Manual Integrations APPROVED
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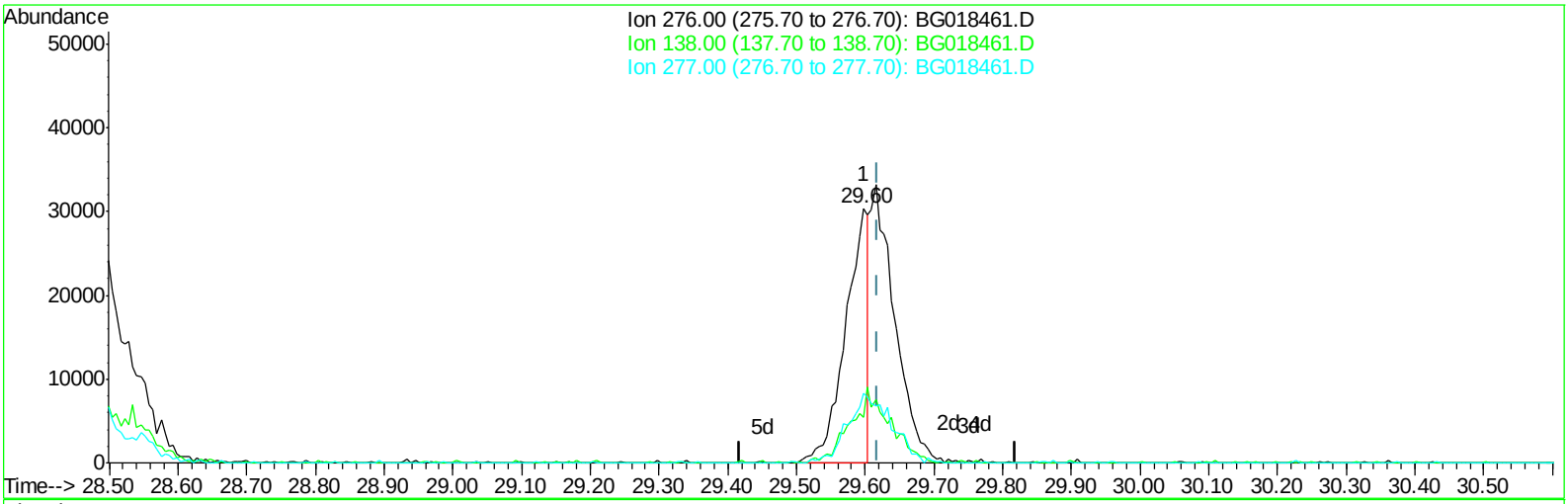

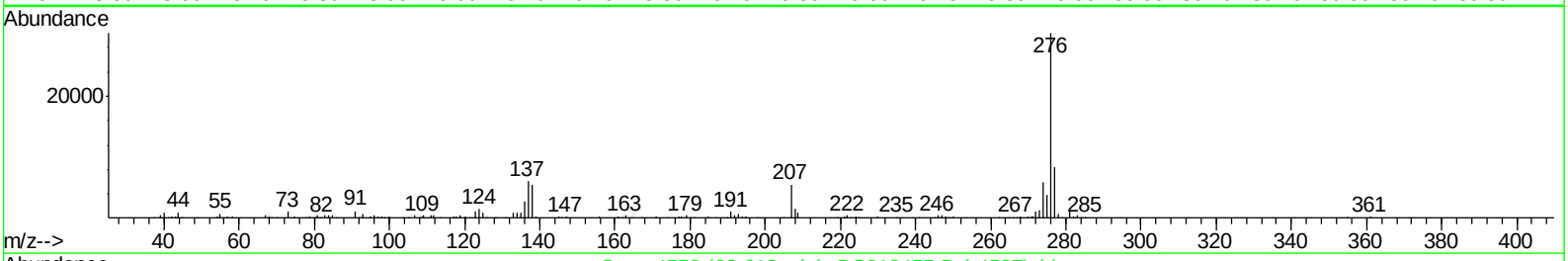

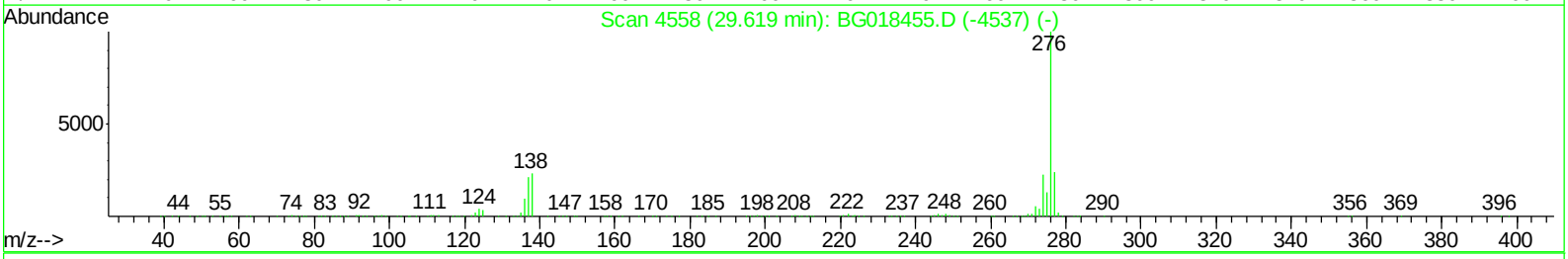

TIC: BG018461.D

(94) Benzo(g,h,i)perylene

29.598min (-0.021) 1.51ng/ul

response 70428

Ion	Exp%	Act%
276.00	100	100
138.00	20.60	17.99
277.00	23.80	27.45
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081815\
Data File : BG018461.D
Acq On : 18 Aug 2015 12:59
Operator : UM/MA
Sample : MDL-05-S
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 19 01:04:56 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 19 00:53:00 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-05-S-ML

Manual Integrations APPROVED
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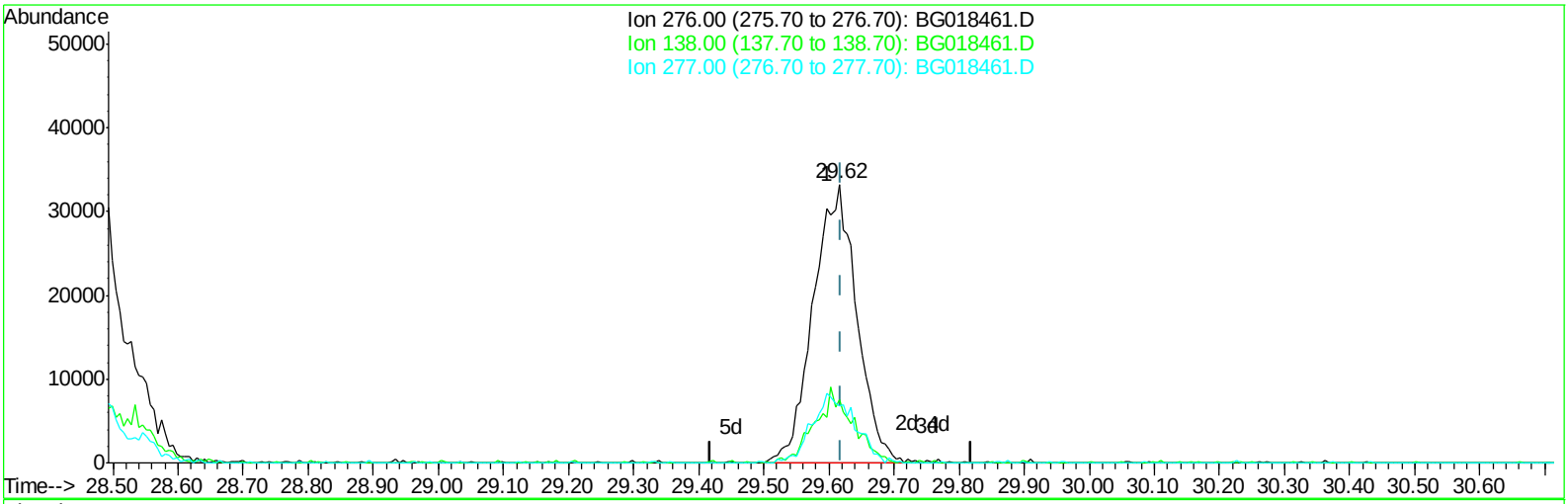
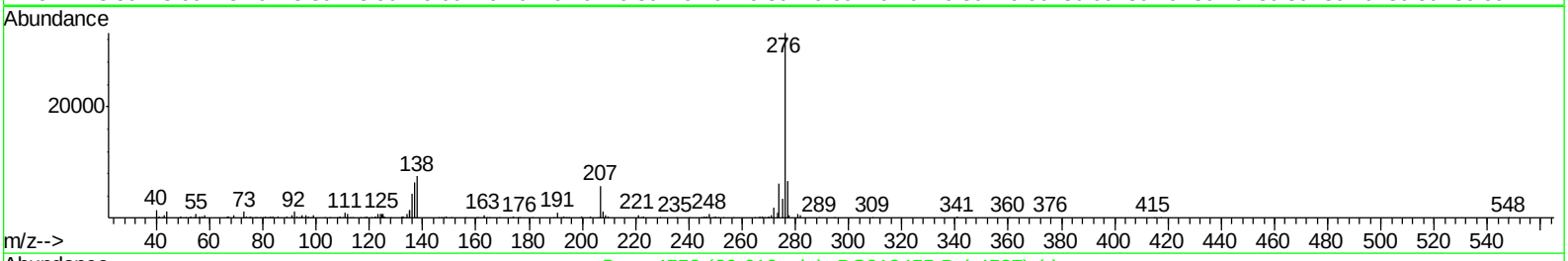
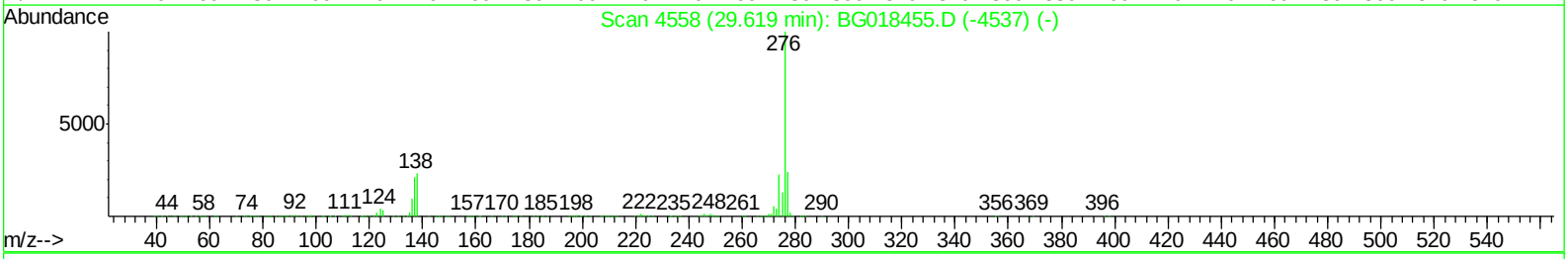
8/19/2015 2:12:54 PM







TIC: BG018461.D

(94) Benzo(g,h,i)perylene

29.615min (-0.004) 3.24ng/ul m

response 151226

Ion	Exp%	Act%
276.00	100	100
138.00	20.60	22.96
277.00	23.80	20.33
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081815\
Data File : BG018461.D
Acq On : 18 Aug 2015 12:59
Operator : UM/MA
Sample : MDL-05-S
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-05-S-ML

Manual Integrations APPROVED
MMDadoda
8/19/2015 2:12:54 PM

Quant Time: Aug 19 01:30:48 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 19 00:53:00 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	97284	20.00	ng/ul	0.00
18) Naphthalene-d8	10.82	136	455751	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.64	164	302539	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.38	188	795739	20.00	ng/ul	0.00
78) Chrysene-d12	21.64	240	815500	20.00	ng/ul	0.00
86) Perylene-d12	24.84	264	804118	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.45	96	14204	6.45	ng/uL	0.00
5) Phenol-d5	7.17	99	299764	33.95	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	190387	34.80	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	219434	32.45	ng/ul	0.00
13) 4-Methylphenol-d8	8.72	113	252526	34.04	ng/ul	0.00
19) Nitrobenzene-d5	9.17	128	125107	35.22	ng/ul	0.00
22) 2-Nitrophenol-d4	9.90	143	126781	35.04	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.44	165	242434	31.57	ng/ul	0.00
29) 4-Chloroaniline-d4	10.95	131	358257	41.28	ng/ul	0.00
44) Dimethylphthalate-d6	14.05	166	906903	35.63	ng/ul	0.00
47) Acenaphthylene-d8	14.33	160	1093035	34.10	ng/ul	0.00
52) 4-Nitrophenol-d4	14.83	143	188071	41.08	ng/ul	0.00
58) Fluorene-d10	15.63	176	802965	36.22	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.74	200	137919	35.24	ng/ul	0.00
71) Anthracene-d10	17.48	188	1333741	35.05	ng/ul	0.00
79) Pyrene-d10	19.77	212	1470138	34.75	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.63	264	1539244	36.06	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.48	88	1993	0.85	ng/uL#	68
4) Benzaldehyde	7.15	77	18938	3.66	ng/ul	96
6) Phenol	7.20	94	26054	2.89	ng/ul	96
8) Bis(2-Chloroethyl)ether	7.43	93	21535	3.11	ng/ul	97
10) 2-Chlorophenol	7.58	128	19487	2.83	ng/ul#	88
11) 2-Methylphenol	8.45	108	19868	2.84	ng/ul	86
12) 2,2'-oxybis(1-Chloropropan	8.55	45	28115	2.53	ng/ul	95
14) Acetophenone	8.83	105	37131	3.47	ng/ul#	90
15) N-Nitroso-di-n-propylamine	8.82	70	19948	3.24	ng/ul#	89
16) 4-Methylphenol	8.78	108	22775	2.99	ng/ul	93
17) Hexachloroethane	9.10	117	8698	2.93	ng/ul#	76
20) Nitrobenzene	9.22	77	28076	3.13	ng/ul	94
21) Isophorone	9.73	82	56514	3.28	ng/ul#	97
23) 2-Nitrophenol	9.93	139	11754	2.93	ng/ul	91
24) 2,4-Dimethylphenol	9.99	107	25540	2.84	ng/ul#	93
25) Bis(2-Chloroethoxy)methane	10.22	93	34106	3.17	ng/ul	99
27) 2,4-Dichlorophenol	10.46	162	21237	2.95	ng/ul#	89
28) Naphthalene	10.87	128	73755	3.06	ng/ul	96
30) 4-Chloroaniline	10.97	127	32676	3.70	ng/ul	98
31) Hexachlorobutadiene	11.16	225	13379	2.94	ng/ul	96
32) Caprolactam	11.75	113	11031m	3.81	ng/ul	
33) 4-Chloro-3-methylphenol	12.09	107	27572	3.31	ng/ul	90
34) 2-Methylnaphthalene	12.48	142	55467	3.18	ng/ul	94

Quantitation Report (QT Reviewed)

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Data File : BG018461.D
Acq On : 18 Aug 2015 12:59
Operator : UM/MA
Sample : MDL-05-S
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MDL-05-S-ML

Manual Integrations APPROVED
MMDadoda
8/19/2015 2:12:54 PM

Quant Time: Aug 19 01:30:48 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 19 00:53:00 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,2,4,5-Tetrachlorobenzene	12.83	216	28776	2.97	ng/ul	99
38) Hexachlorocyclopentadiene	12.82	237	14403	2.49	ng/ul#	90
39) 2,4,6-Trichlorophenol	13.08	196	19564	2.96	ng/ul	92
40) 2,4,5-Trichlorophenol	13.15	196	18862	2.65	ng/ul	97
41) 1,1'-Biphenyl	13.48	154	77894	3.08	ng/ul	92
42) 2-Chloronaphthalene	13.52	162	59510	3.03	ng/ul	95
43) 2-Nitroaniline	13.72	65	21052	3.32	ng/ul	92
45) Dimethylphthalate	14.09	163	85233	3.39	ng/ul	98
46) 2,6-Dinitrotoluene	14.20	165	16357	3.27	ng/ul#	89
48) Acenaphthylene	14.36	152	102937	3.20	ng/ul	99
49) 3-Nitroaniline	14.53	138	19384	3.80	ng/ul#	84
50) Acenaphthene	14.70	153	69906	3.10	ng/ul	99
51) 2,4-Dinitrophenol	14.74	184	5342	2.19	ng/ul	94
53) 4-Nitrophenol	14.84	109	14139	3.55	ng/ul	92
54) Dibenzofuran	15.04	168	100390	3.41	ng/ul	96
55) 2,4-Dinitrotoluene	14.99	165	24556	3.44	ng/ul#	87
56) 2,3,4,6-Tetrachlorophenol	15.26	232	18160	2.93	ng/ul#	97
57) Diethylphthalate	15.45	149	92459	3.47	ng/ul	96
59) Fluorene	15.68	166	87922	3.47	ng/ul	92
60) 4-Chlorophenyl-phenylether	15.68	204	39340	3.28	ng/ul	96
61) 4-Nitroaniline	15.69	138	21580	3.83	ng/ul	91
64) 4,6-Dinitro-2-methylphenol	15.76	198	13209	3.16	ng/ul#	60
65) N-Nitrosodiphenylamine	15.89	169	75114	3.14	ng/ul	99
66) 4-Bromophenyl-phenylether	16.57	248	25300	2.94	ng/ul	89
67) Hexachlorobenzene	16.69	284	29853	3.28	ng/ul	94
68) Atrazine	16.84	200	31601	3.53	ng/ul	95
69) Pentachlorophenol	17.04	266	13941	2.29	ng/ul	86
70) Phenanthrene	17.42	178	148060	3.43	ng/ul	98
72) Anthracene	17.52	178	153062	3.48	ng/ul	99
73) 1,2,3,4-Tetrachlorobenzene	13.44	216	26651	2.42	ng/uL	93
74) Pentachlorobenzene	14.96	250	28214	2.68	ng/uL	88
75) Carbazole	17.78	167	143375	3.72	ng/ul	97
76) Di-n-butylphthalate	18.35	149	184502	3.66	ng/ul	97
77) Fluoranthene	19.43	202	181822	3.94	ng/ul#	94
80) Pyrene	19.79	202	191795	3.48	ng/ul	99
81) Butylbenzylphthalate	20.68	149	73048	3.13	ng/ul	89
82) 3,3'-Dichlorobenzidine	21.54	252	60795	3.59	ng/ul	92
83) Benzo(a)anthracene	21.62	228	166668	3.30	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.54	149	109311	3.32	ng/ul	98
85) Chrysene	21.69	228	157470	3.33	ng/ul	96
87) Di-n-octyl phthalate	22.75	149	187781	3.62	ng/ul	100
88) Benzo(b)fluoranthene	23.82	252	163863	3.24	ng/ul	95
89) Benzo(k)fluoranthene	23.89	252	156332	3.21	ng/ul	99
91) Benzo(a)pyrene	24.69	252	162052	3.37	ng/ul	95
92) Indeno(1,2,3-cd)pyrene	28.48	276	176364m	3.17	ng/ul	
93) Dibenzo(a,h)anthracene	28.54	278	141472	3.06	ng/ul	95
94) Benzo(g,h,i)perylene	29.62	276	151226m	3.24	ng/ul	

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081815\
Data File : BG018461.D
Acq On : 18 Aug 2015 12:59
Operator : UM/MA
Sample : MDL-05-S
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 19 01:30:48 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
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Instrument :
BNA_G
ClientSampleId :
MDL-05-S-ML

Manual Integrations APPROVED
MMDadoda
8/19/2015 2:12:54 PM