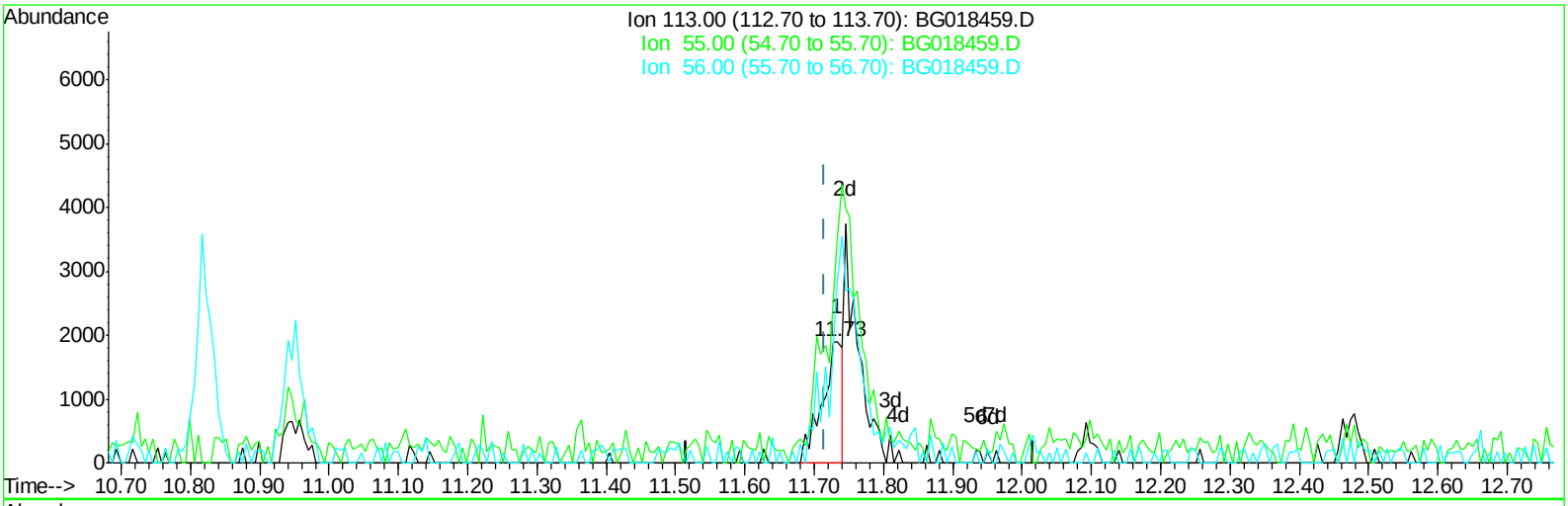
Quantitation Report (Qedit)

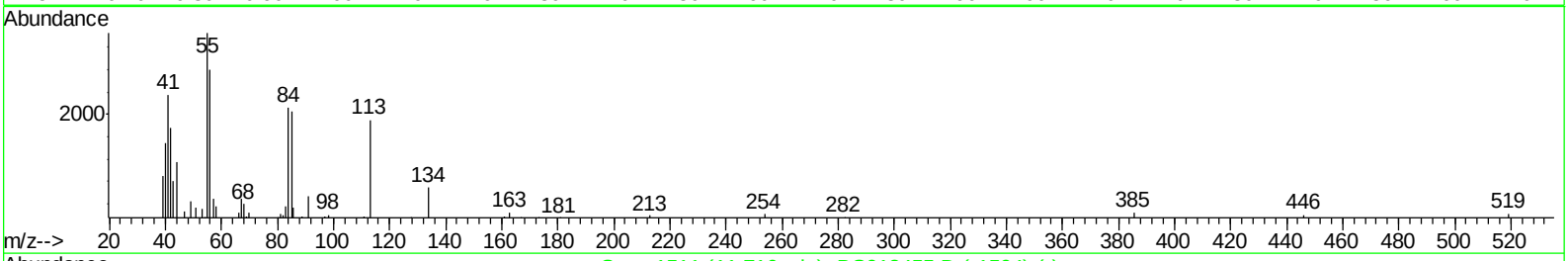
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081815\
Data File : BG018459.D
Acq On : 18 Aug 2015 11:42
Operator : UM/MA
Sample : MDL-03-S
Misc :
ALS Vial : 6 Sample Multiplier: 1

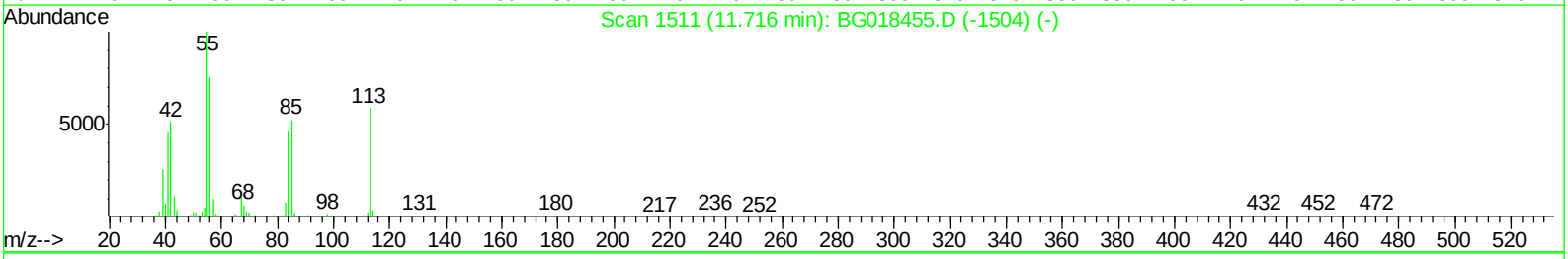
Quant Time: Aug 19 00:55:38 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 19 00:53:00 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-03-S-ML

Manual Integrations APPROVED
MMDadoda
8/19/2015 2:12:41 PM







TIC: BG018459.D

(32) Caprolactam

11.733min (+0.017) 1.25ng/ul

response 3794

Ion	Exp%	Act%
113.00	100	100
55.00	155.30	182.43
56.00	122.80	147.60#
0.00	0.00	0.00

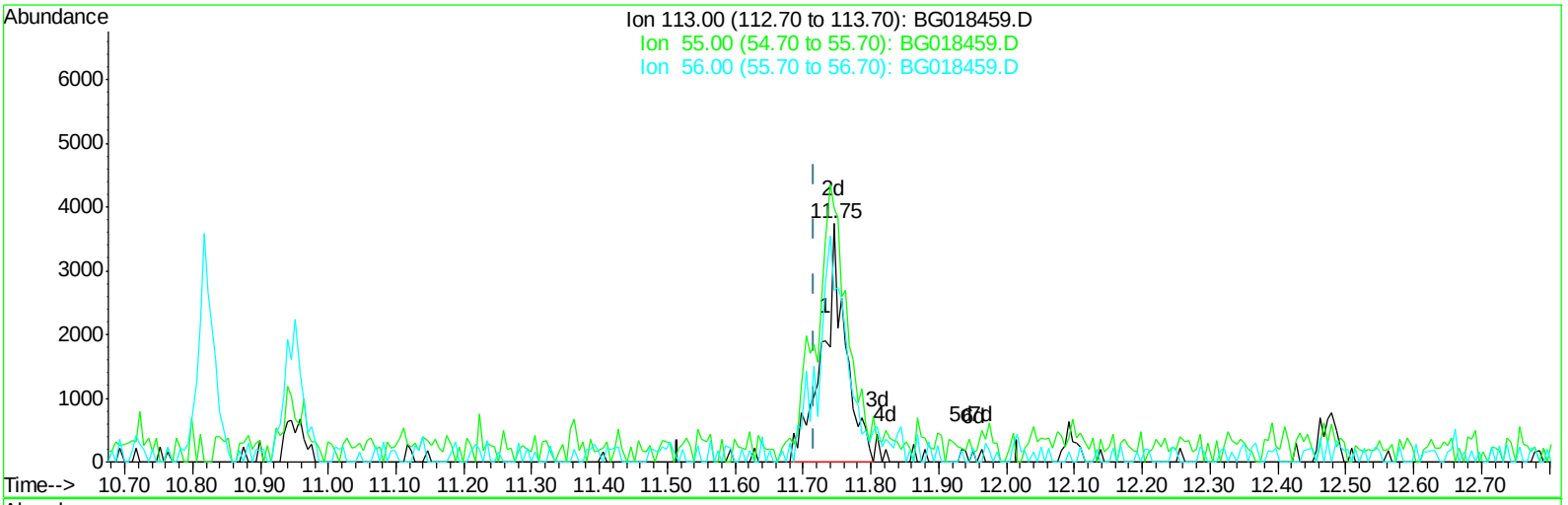
Quantitation Report (Qedit)

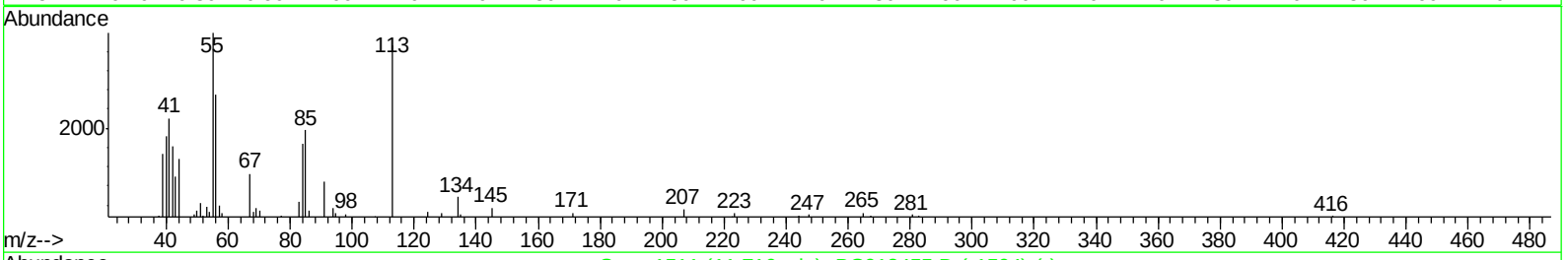
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081815\
Data File : BG018459.D
Acq On : 18 Aug 2015 11:42
Operator : UM/MA
Sample : MDL-03-S
Misc :
ALS Vial : 6 Sample Multiplier: 1

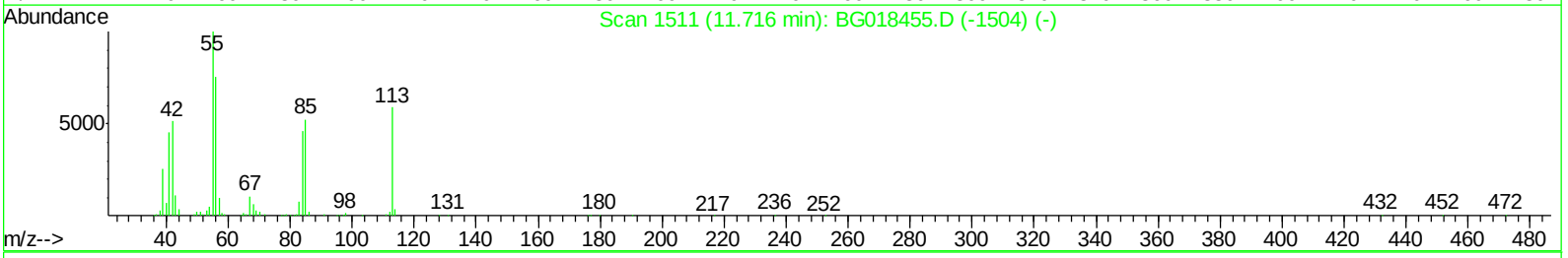
Quant Time: Aug 19 00:55:38 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 19 00:53:00 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-03-S-ML

Manual Integrations APPROVED
MMDadoda
8/19/2015 2:12:41 PM







TIC: BG018459.D

(32) Caprolactam

11.745min (+0.029) 2.94ng/ul m

response 8944

Ion	Exp%	Act%
113.00	100	100
55.00	155.30	106.72#
56.00	122.80	72.06#
0.00	0.00	0.00

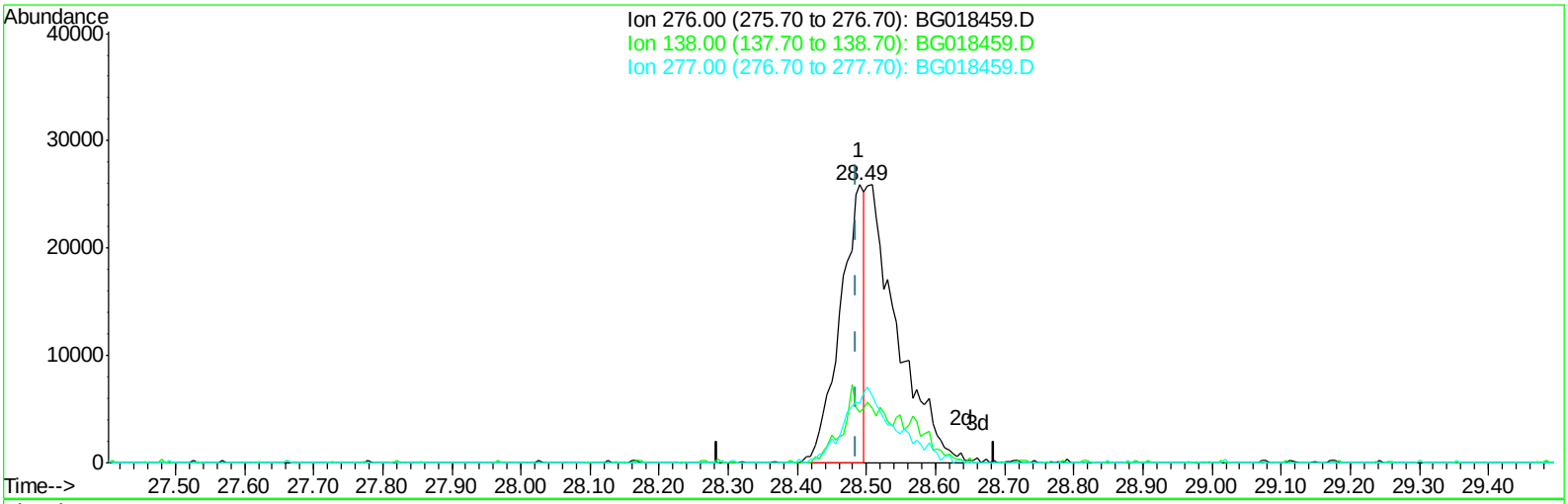
Quantitation Report (Qedit)

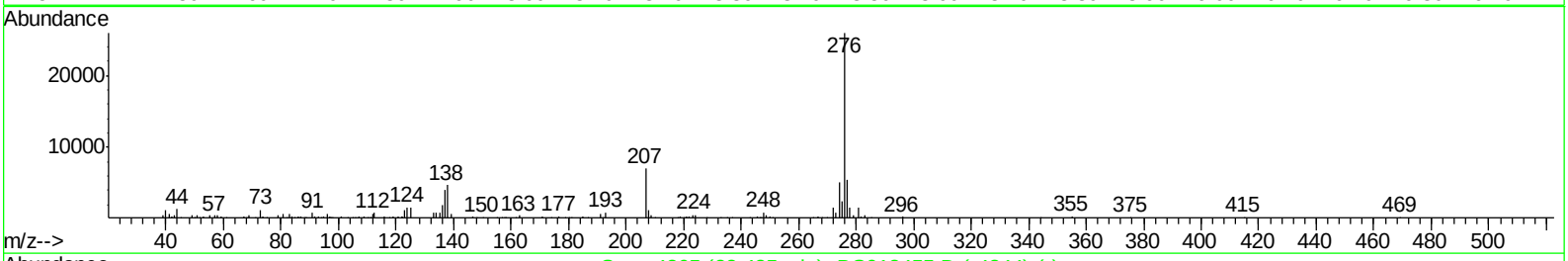
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081815\
Data File : BG018459.D
Acq On : 18 Aug 2015 11:42
Operator : UM/MA
Sample : MDL-03-S
Misc :
ALS Vial : 6 Sample Multiplier: 1

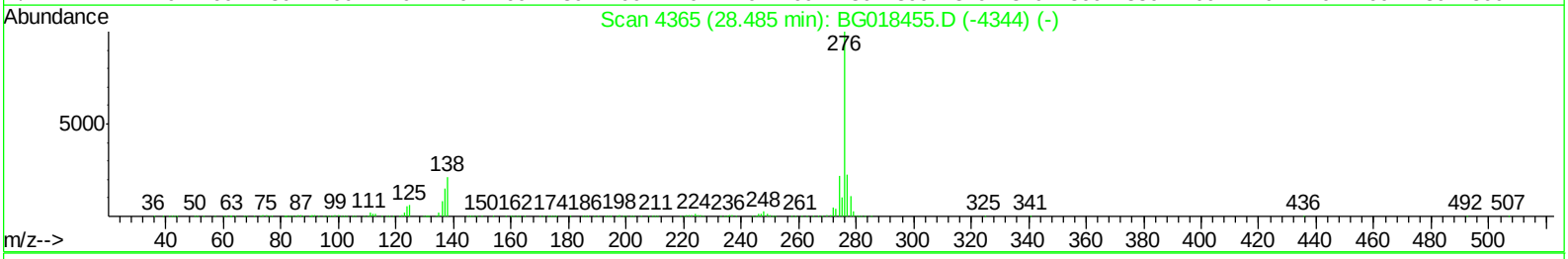
Quant Time: Aug 19 00:55:38 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 19 00:53:00 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-03-S-ML

Manual Integrations APPROVED
MMDadoda
8/19/2015 2:12:41 PM







TIC: BG018459.D

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

28.490min (+0.005) 1.17ng/ul

response 63414

Ion	Exp%	Act%
276.00	100	100
138.00	19.70	18.07
277.00	23.60	21.16
0.00	0.00	0.00

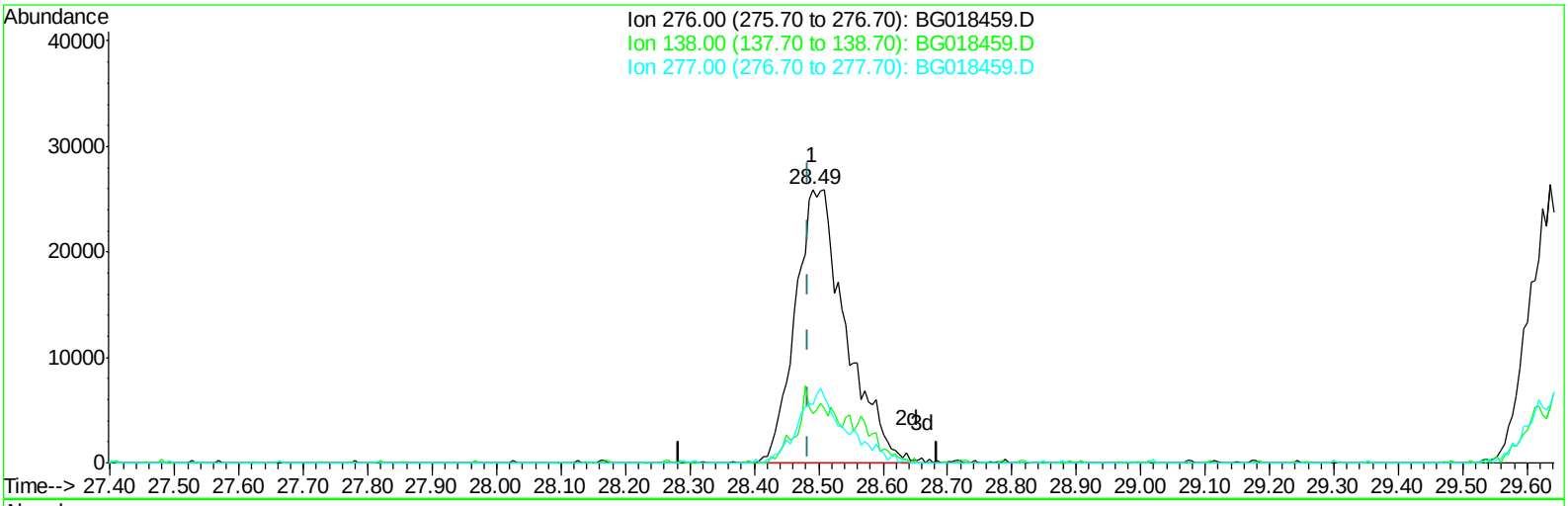
Quantitation Report (Qedit)

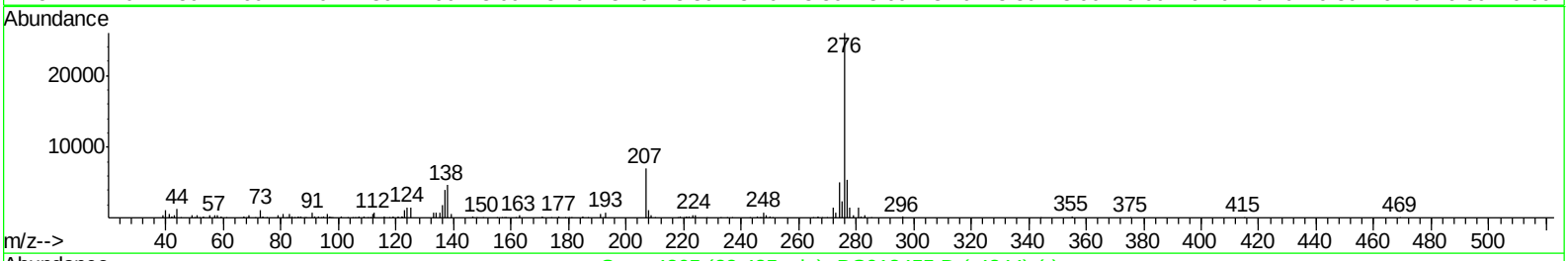
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081815\
Data File : BG018459.D
Acq On : 18 Aug 2015 11:42
Operator : UM/MA
Sample : MDL-03-S
Misc :
ALS Vial : 6 Sample Multiplier: 1

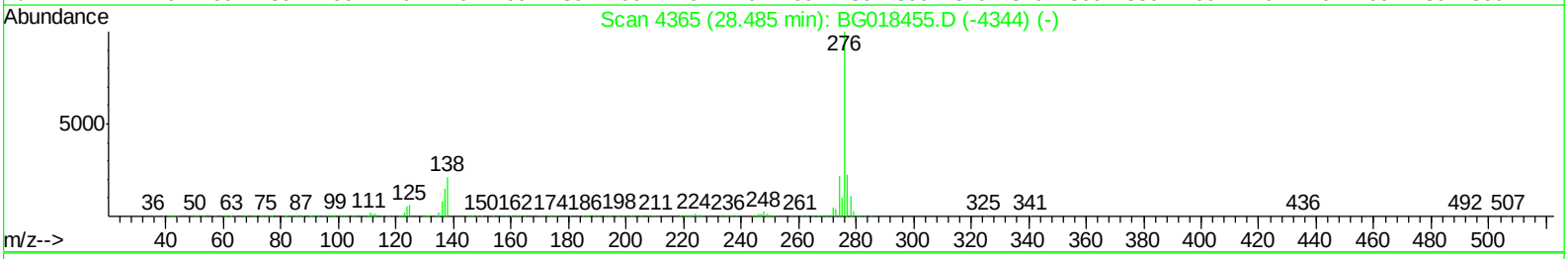
Quant Time: Aug 19 00:55:38 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 19 00:53:00 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-03-S-ML

Manual Integrations APPROVED
MMDadoda
8/19/2015 2:12:41 PM







TIC: BG018459.D

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

28.490min (+0.005) 2.66ng/ul m

response 143596

Ion	Exp%	Act%
276.00	100	100
138.00	19.70	18.07
277.00	23.60	21.16
0.00	0.00	0.00

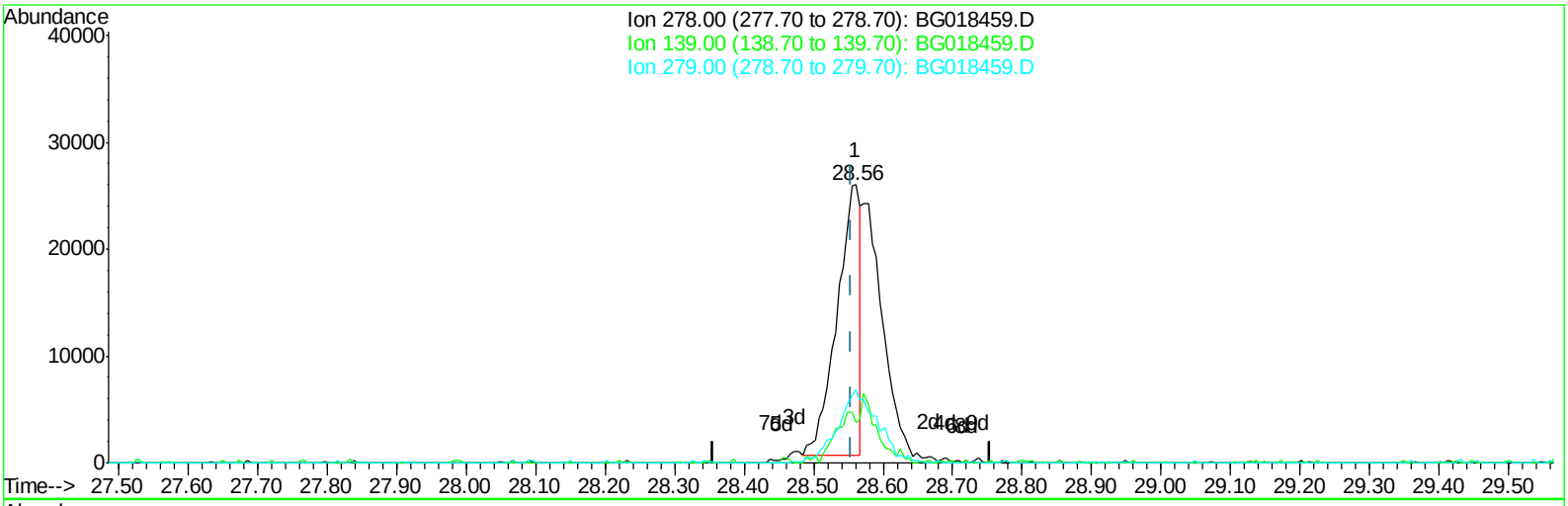
Quantitation Report (Qedit)

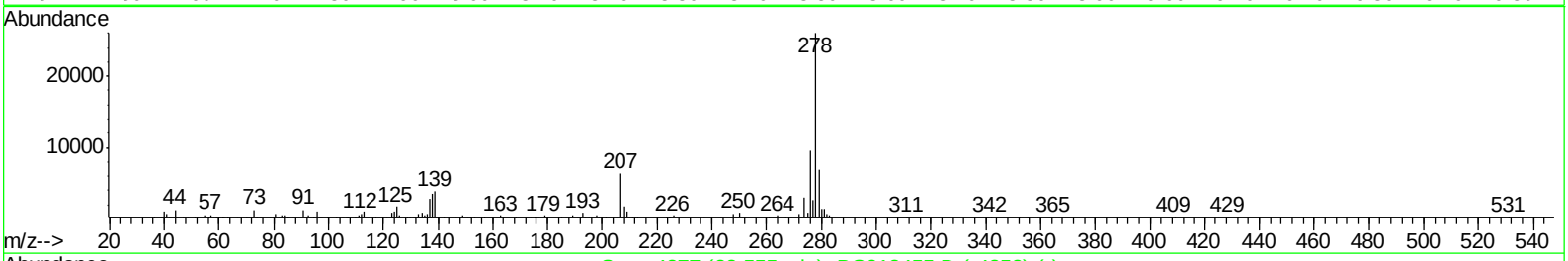
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081815\
Data File : BG018459.D
Acq On : 18 Aug 2015 11:42
Operator : UM/MA
Sample : MDL-03-S
Misc :
ALS Vial : 6 Sample Multiplier: 1

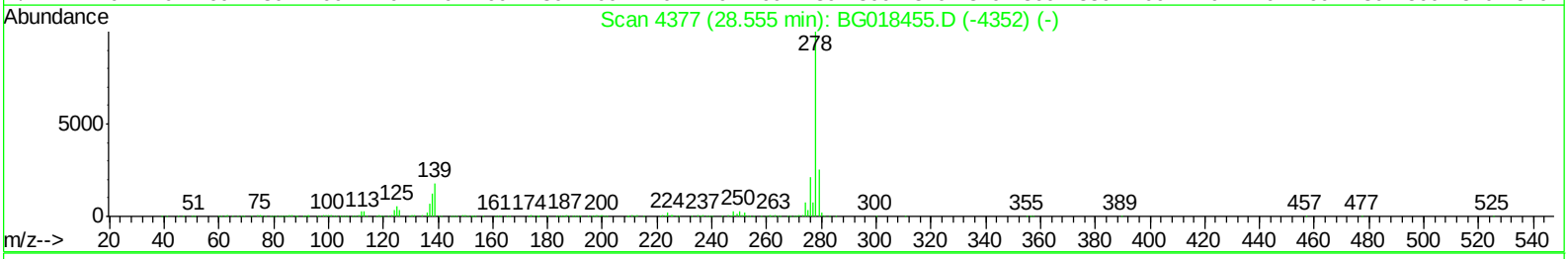
Quant Time: Aug 19 00:55:38 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 19 00:53:00 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-03-S-ML

Manual Integrations APPROVED
MMDadoda
8/19/2015 2:12:41 PM







TIC: BG018459.D

(93) Dibenzo(a,h)anthracene

28.561min (+0.005) 1.31ng/ul

response 58750

Ion	Exp%	Act%
278.00	100	100
139.00	17.20	14.67
279.00	22.30	26.33
0.00	0.00	0.00

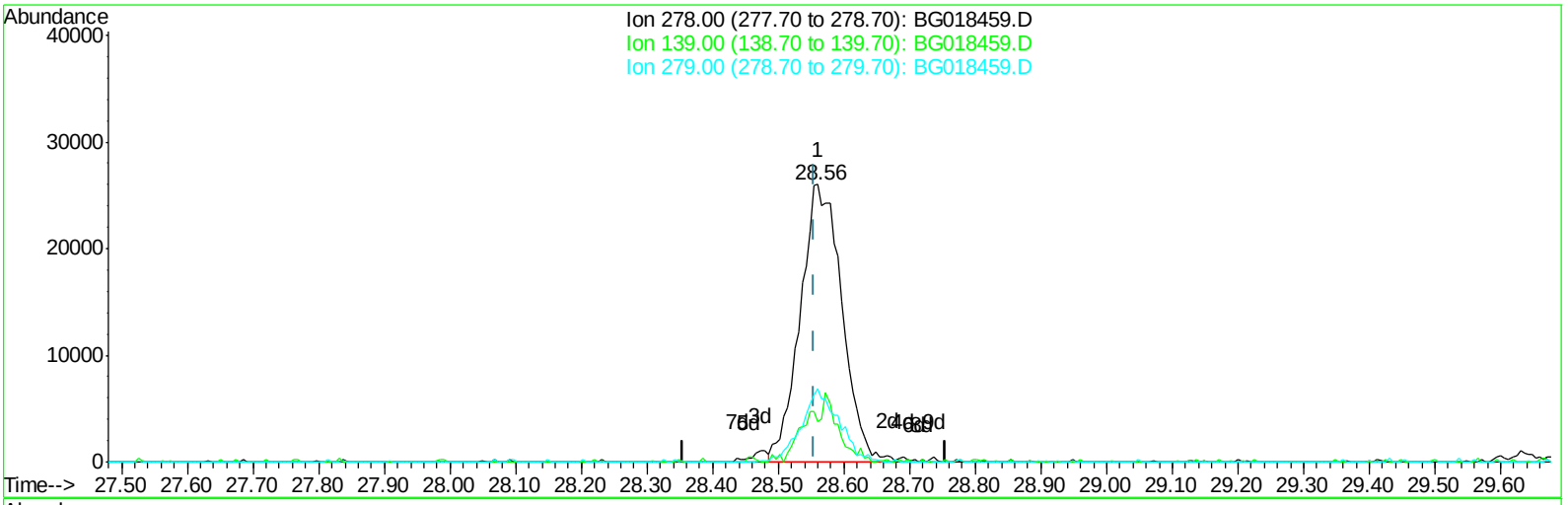
Quantitation Report (Qedit)

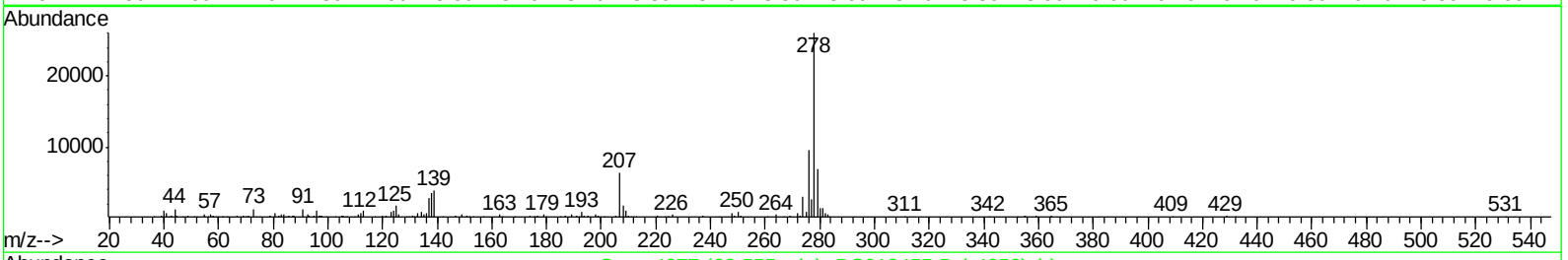
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081815\
Data File : BG018459.D
Acq On : 18 Aug 2015 11:42
Operator : UM/MA
Sample : MDL-03-S
Misc :
ALS Vial : 6 Sample Multiplier: 1

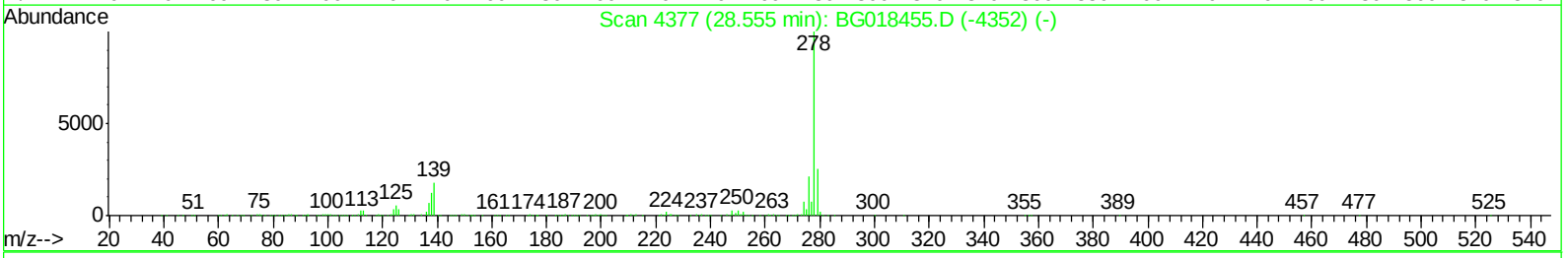
Quant Time: Aug 19 00:55:38 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 19 00:53:00 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-03-S-ML

Manual Integrations APPROVED
MMDadoda
8/19/2015 2:12:41 PM







TIC: BG018459.D

(93) Dibenzo(a,h)anthracene

28.561min (+0.005) 2.54ng/ul m

response 114072

Ion	Exp%	Act%
278.00	100	100
139.00	17.20	14.67
279.00	22.30	26.33
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081815\
Data File : BG018459.D
Acq On : 18 Aug 2015 11:42
Operator : UM/MA
Sample : MDL-03-S
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MDL-03-S-ML

Manual Integrations APPROVED
MMDadoda
8/19/2015 2:12:41 PM

Quant Time: Aug 19 01:23:59 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	8.01	152	101420	20.00	ng/ul	0.00
18) Naphthalene-d8	10.82	136	479102	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.64	164	313456	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.39	188	788564	20.00	ng/ul	0.00
78) Chrysene-d12	21.65	240	782818	20.00	ng/ul	0.00
86) Perylene-d12	24.86	264	781411	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.44	96	13790	6.01	ng/uL	0.00
5) Phenol-d5	7.17	99	284979	30.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	178503	31.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	209615	29.73	ng/ul	0.00
13) 4-Methylphenol-d8	8.71	113	243430	31.48	ng/ul	0.00
19) Nitrobenzene-d5	9.17	128	118159	31.64	ng/ul	0.00
22) 2-Nitrophenol-d4	9.89	143	119242	31.35	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.43	165	230625	28.57	ng/ul	0.00
29) 4-Chloroaniline-d4	10.95	131	363680	39.86	ng/ul	0.00
44) Dimethylphthalate-d6	14.04	166	832632	31.57	ng/ul	0.00
47) Acenaphthylene-d8	14.34	160	1005089	30.26	ng/ul	0.00
52) 4-Nitrophenol-d4	14.83	143	161014	33.94	ng/ul	0.00
58) Fluorene-d10	15.63	176	718752	31.29	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.74	200	119812	30.89	ng/ul	0.00
71) Anthracene-d10	17.49	188	1174796	31.15	ng/ul	0.00
79) Pyrene-d10	19.77	212	1285172	31.64	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.64	264	1327477	32.00	ng/ul	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.48	88	1705	0.69	ng/uL#	82
4) Benzaldehyde	7.16	77	17467	3.23	ng/ul	87
6) Phenol	7.20	94	23045	2.45	ng/ul#	95
8) Bis(2-Chloroethyl)ether	7.43	93	19639	2.72	ng/ul	90
10) 2-Chlorophenol	7.58	128	18363	2.56	ng/ul	89
11) 2-Methylphenol	8.45	108	18383	2.52	ng/ul	94
12) 2,2'-oxybis(1-Chloropropan	8.55	45	26017	2.24	ng/ul	95
14) Acetophenone	8.84	105	33261	2.98	ng/ul#	94
15) N-Nitroso-di-n-propylamine	8.81	70	19531	3.05	ng/ul#	76
16) 4-Methylphenol	8.78	108	20475	2.58	ng/ul	91
17) Hexachloroethane	9.10	117	6931	2.24	ng/ul	86
20) Nitrobenzene	9.21	77	22924	2.43	ng/ul	97
21) Isophorone	9.74	82	50275	2.77	ng/ul	99
23) 2-Nitrophenol	9.93	139	11500	2.72	ng/ul#	87
24) 2,4-Dimethylphenol	9.98	107	21850	2.31	ng/ul	85
25) Bis(2-Chloroethoxy)methane	10.22	93	29250	2.59	ng/ul#	89
27) 2,4-Dichlorophenol	10.46	162	18509	2.45	ng/ul	91
28) Naphthalene	10.87	128	65956	2.60	ng/ul	99
30) 4-Chloroaniline	10.97	127	32707	3.52	ng/ul	93
31) Hexachlorobutadiene	11.16	225	11132	2.33	ng/ul	92
32) Caprolactam	11.75	113	8944m	2.94	ng/ul	
33) 4-Chloro-3-methylphenol	12.10	107	23138	2.64	ng/ul#	85
34) 2-Methylnaphthalene	12.47	142	46816	2.55	ng/ul	87

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081815\
Data File : BG018459.D
Acq On : 18 Aug 2015 11:42
Operator : UM/MA
Sample : MDL-03-S
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MDL-03-S-ML

Manual Integrations APPROVED
MMDadoda
8/19/2015 2:12:41 PM

Quant Time: Aug 19 01:23:59 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	12.84	216	23597	2.35	ng/ul	89
38) Hexachlorocyclopentadiene	12.82	237	12433	2.08	ng/ul#	93
39) 2,4,6-Trichlorophenol	13.07	196	16459	2.40	ng/ul	96
40) 2,4,5-Trichlorophenol	13.14	196	16646	2.26	ng/ul	97
41) 1,1'-Biphenyl	13.48	154	66012	2.52	ng/ul	98
42) 2-Chloronaphthalene	13.52	162	49583	2.44	ng/ul	97
43) 2-Nitroaniline	13.71	65	16471	2.51	ng/ul	94
45) Dimethylphthalate	14.09	163	67988	2.61	ng/ul#	91
46) 2,6-Dinitrotoluene	14.21	165	13102	2.53	ng/ul	94
48) Acenaphthylene	14.37	152	87427	2.62	ng/ul	98
49) 3-Nitroaniline	14.53	138	15841	3.00	ng/ul	96
50) Acenaphthene	14.71	153	59301	2.54	ng/ul	97
51) 2,4-Dinitrophenol	14.74	184	3637	1.44	ng/ul	99
53) 4-Nitrophenol	14.85	109	11189	2.71	ng/ul	91
54) Dibenzofuran	15.04	168	85144	2.79	ng/ul	99
55) 2,4-Dinitrotoluene	15.00	165	18673	2.53	ng/ul#	80
56) 2,3,4,6-Tetrachlorophenol	15.27	232	14277	2.23	ng/ul#	90
57) Diethylphthalate	15.45	149	78893	2.85	ng/ul	95
59) Fluorene	15.69	166	72148	2.75	ng/ul	99
60) 4-Chlorophenyl-phenylether	15.68	204	33043	2.66	ng/ul	96
61) 4-Nitroaniline	15.69	138	17463	2.99	ng/ul	96
64) 4,6-Dinitro-2-methylphenol	15.75	198	10805	2.61	ng/ul#	60
65) N-Nitrosodiphenylamine	15.89	169	59885	2.52	ng/ul	93
66) 4-Bromophenyl-phenylether	16.57	248	20835	2.44	ng/ul	97
67) Hexachlorobenzene	16.69	284	24678	2.74	ng/ul#	85
68) Atrazine	16.83	200	11450	1.29	ng/ul#	94
69) Pentachlorophenol	17.04	266	10526	1.74	ng/ul	91
70) Phenanthrene	17.43	178	121137	2.83	ng/ul	98
72) Anthracene	17.52	178	122831	2.82	ng/ul	99
73) 1,2,3,4-Tetrachlorobenzene	13.45	216	22759	2.09	ng/uL	91
74) Pentachlorobenzene	14.96	250	24889	2.39	ng/uL	92
75) Carbazole	17.78	167	110658	2.89	ng/ul	97
76) Di-n-butylphthalate	18.35	149	147466	2.95	ng/ul	99
77) Fluoranthene	19.44	202	142929	3.13	ng/ul	98
80) Pyrene	19.79	202	153388	2.90	ng/ul	97
81) Butylbenzylphthalate	20.68	149	59756	2.67	ng/ul	94
82) 3,3'-Dichlorobenzidine	21.54	252	19701	1.21	ng/ul#	92
83) Benzo(a)anthracene	21.63	228	135210	2.79	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.55	149	86278	2.73	ng/ul#	99
85) Chrysene	21.69	228	123619	2.72	ng/ul	100
87) Di-n-octyl phthalate	22.75	149	149209	2.96	ng/ul	100
88) Benzo(b)fluoranthene	23.83	252	130128	2.65	ng/ul	98
89) Benzo(k)fluoranthene	23.90	252	129308	2.74	ng/ul	98
91) Benzo(a)pyrene	24.70	252	126908	2.72	ng/ul	94
92) Indeno(1,2,3-cd)pyrene	28.49	276	143596m	2.66	ng/ul	
93) Dibenzo(a,h)anthracene	28.56	278	114072m	2.54	ng/ul	
94) Benzo(g,h,i)perylene	29.64	276	114957	2.53	ng/ul	96

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

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081815\
Data File : BG018459.D
Acq On : 18 Aug 2015 11:42
Operator : UM/MA
Sample : MDL-03-S
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 19 01:23:59 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-03-S-ML

Manual Integrations APPROVED
MMDadoda
8/19/2015 2:12:41 PM