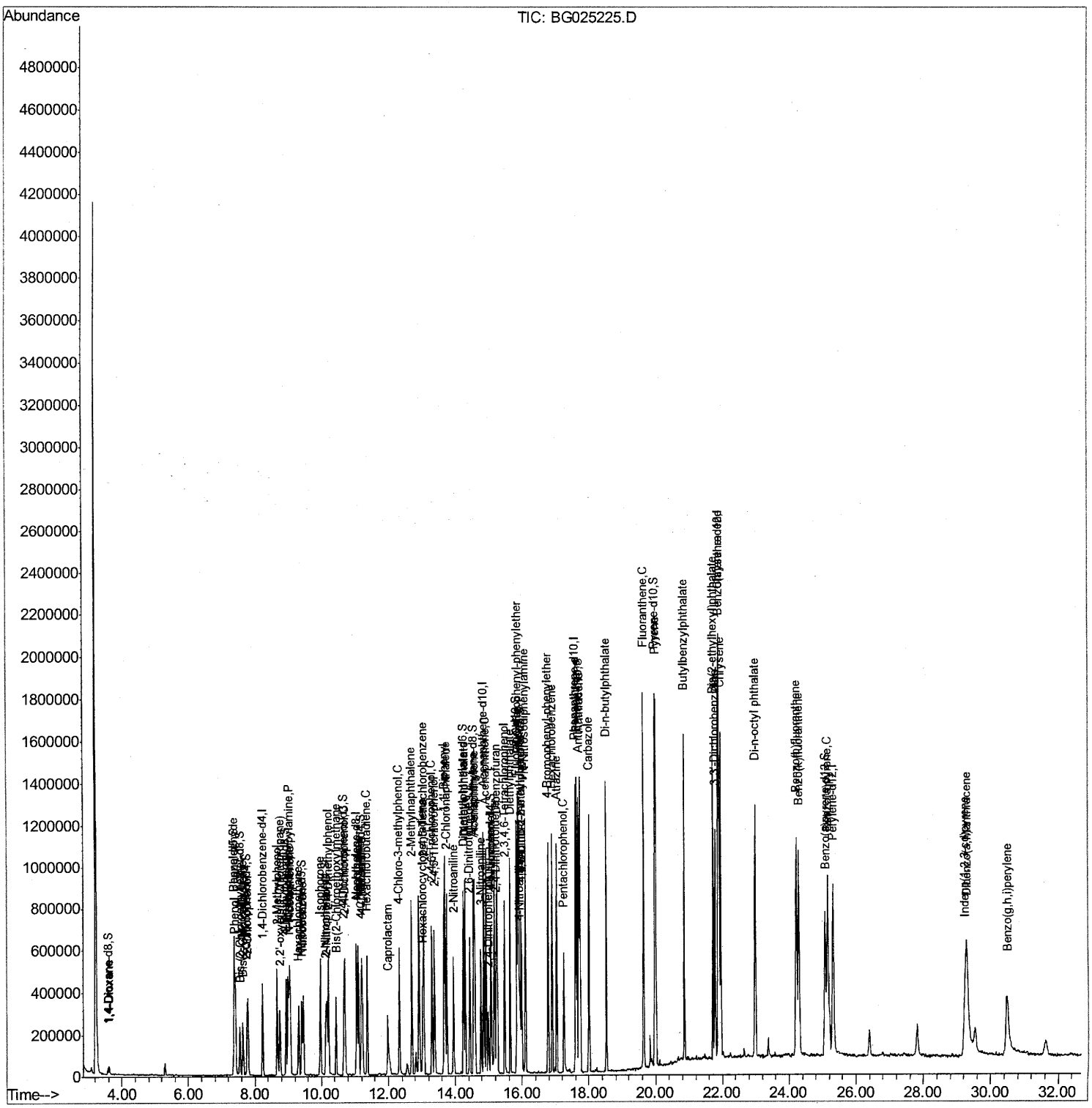
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025225.D
Acq On : 15 Dec 2016 23:52
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 05:48:23 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 03:23:37 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02010

Manual Integrations APPROVED
UMANGI
12/16/2016 6:21:20 PM



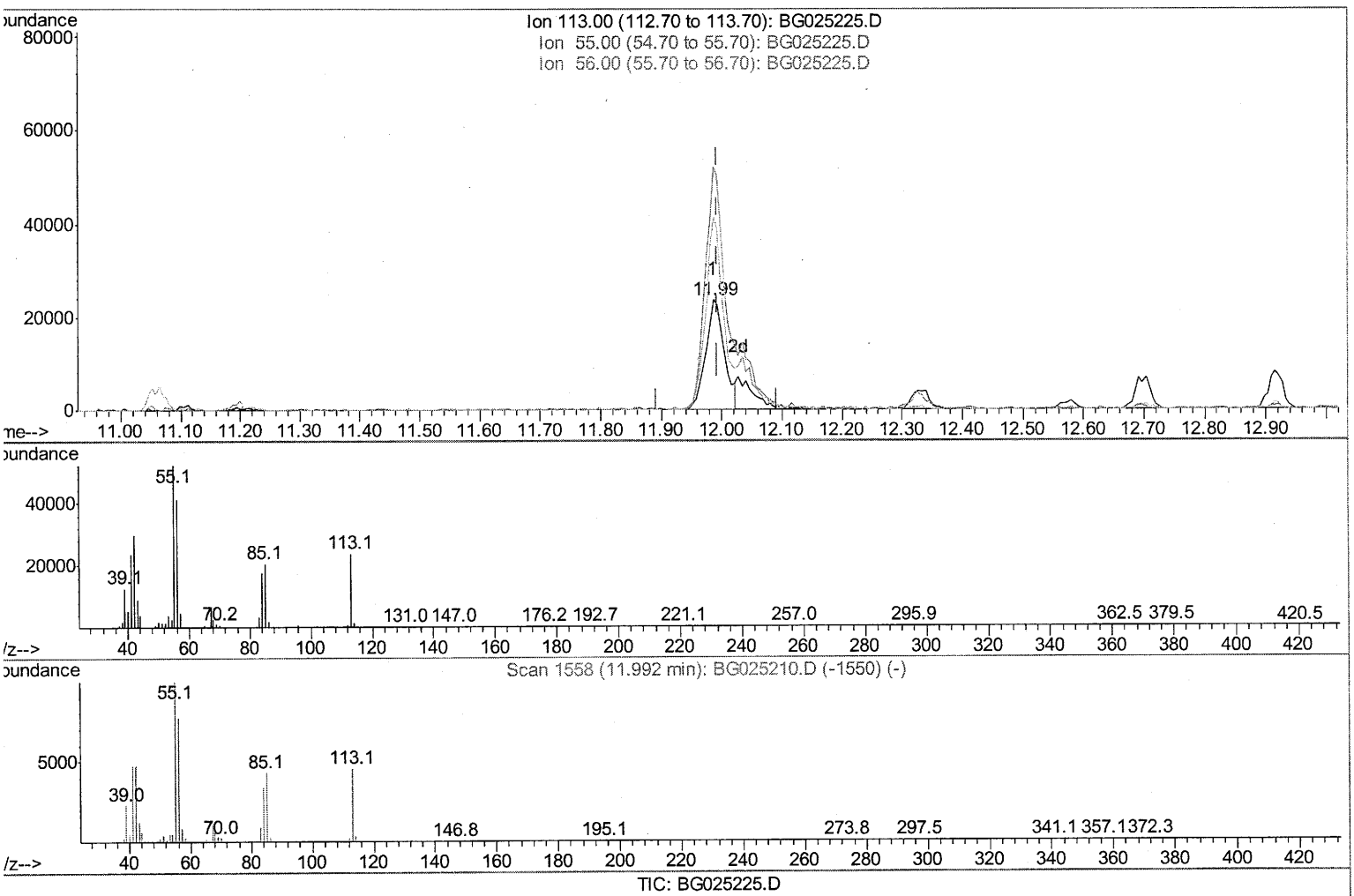
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025225.D
Acq On : 15 Dec 2016 23:52
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 03:33:21 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 03:23:37 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02010

Manual Integrations APPROVED
UMANGI
12/16/2016 6:21:20 PM



(32) Caprolactam

11.986min (-0.006) 15.01ng/ul

response 51032

Ion	Exp%	Act%
113.00	100	100
55.00	210.70	220.19
56.00	160.60	174.15
0.00	0.00	0.00

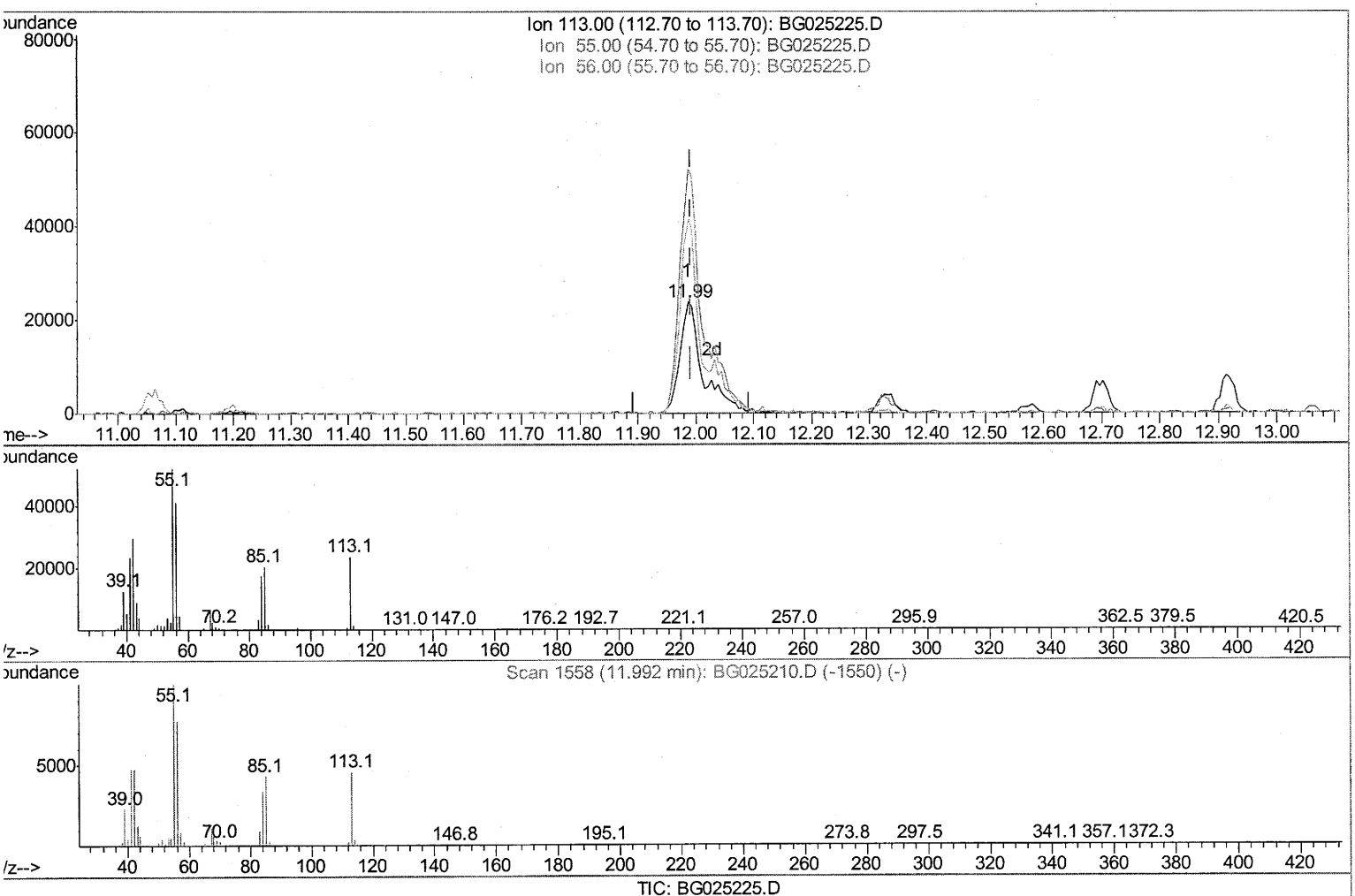
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025225.D
Acq On : 15 Dec 2016 23:52
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 03:33:21 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 03:23:37 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02010

Manual Integrations APPROVED
UMANGI
12/16/2016 6:21:20 PM



(32) Caprolactam

11.986min (-0.006) 18.94ng/ul m

response 64387

Ion	Exp%	Act%
113.00	100	100
55.00	210.70	220.19
56.00	160.60	174.15
0.00	0.00	0.00

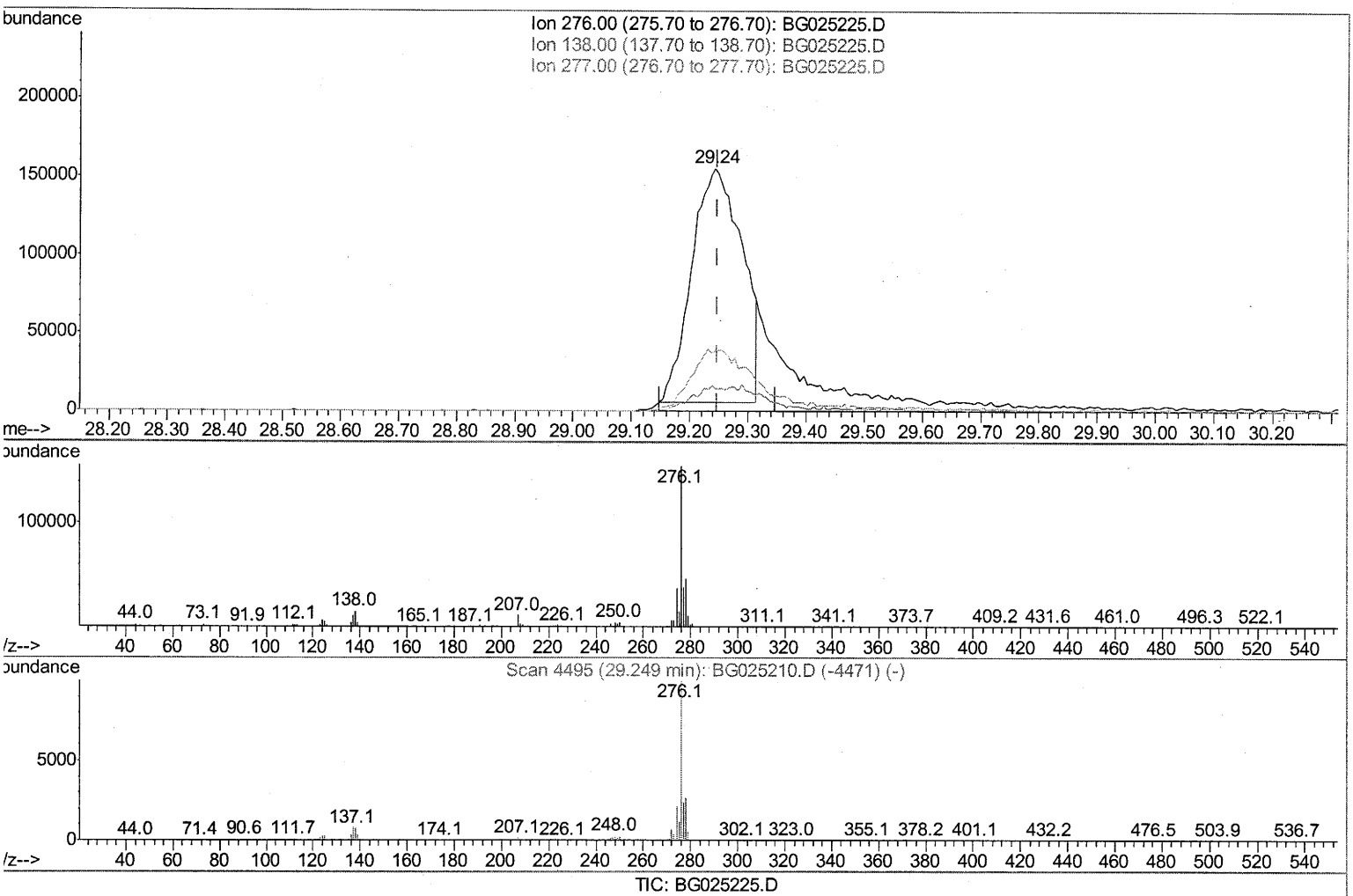
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025225.D
Acq On : 15 Dec 2016 23:52
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 03:33:21 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 03:23:37 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02010

Manual Integrations APPROVED
UMANGI
12/16/2016 6:21:20 PM



TIC: BG025225.D

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

29.243min (-0.006) 13.77ng/ul

response 897228

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	9.77
277.00	23.30	24.92
0.00	0.00	0.00

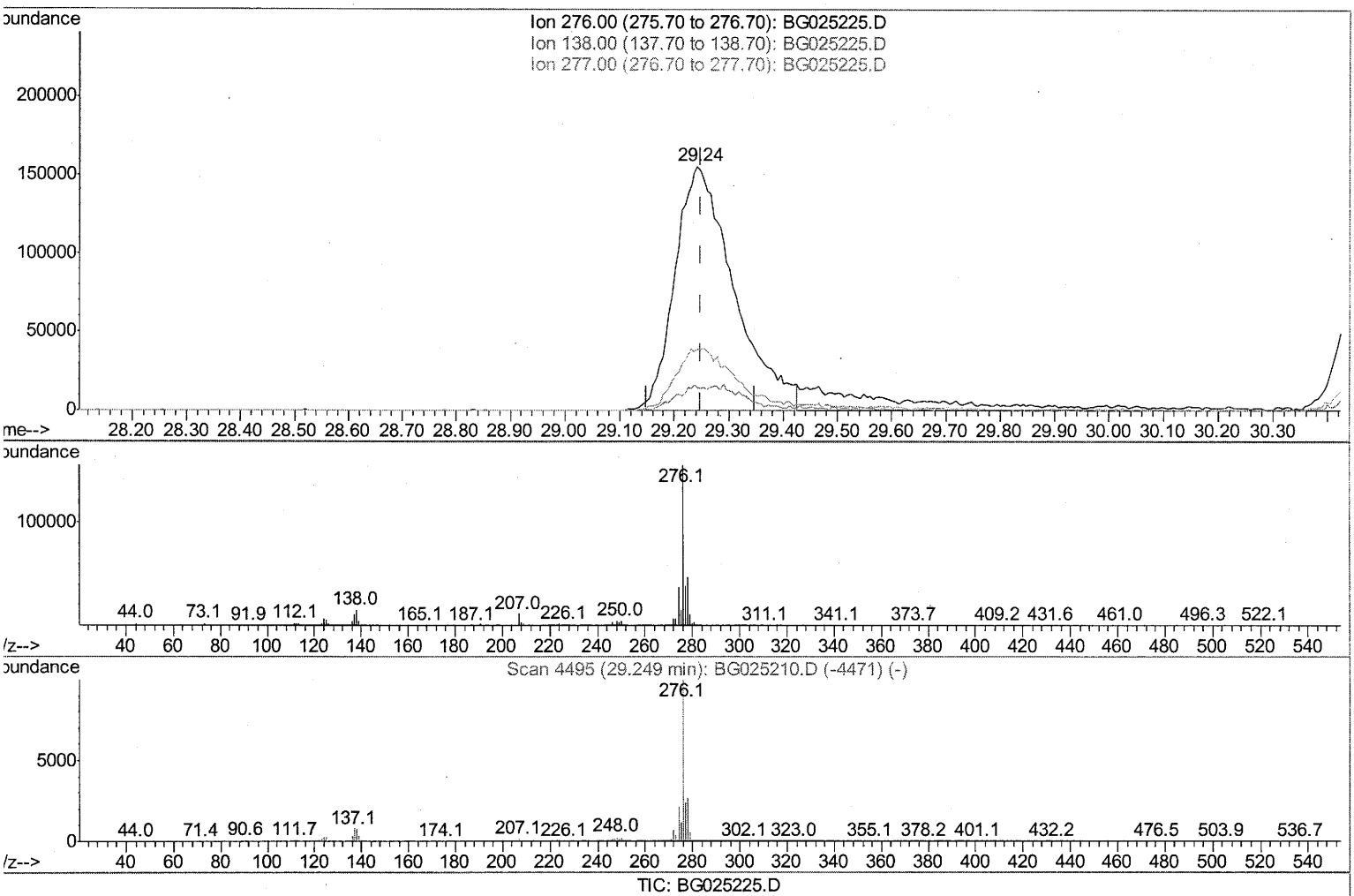
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025225.D
Acq On : 15 Dec 2016 23:52
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 03:33:21 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 03:23:37 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02010

Manual Integrations APPROVED
UMANGI
12/16/2016 6:21:20 PM



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

29.243min (-0.006) 17.97ng/ul m

response 1170469

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	9.77
277.00	23.30	24.92
0.00	0.00	0.00

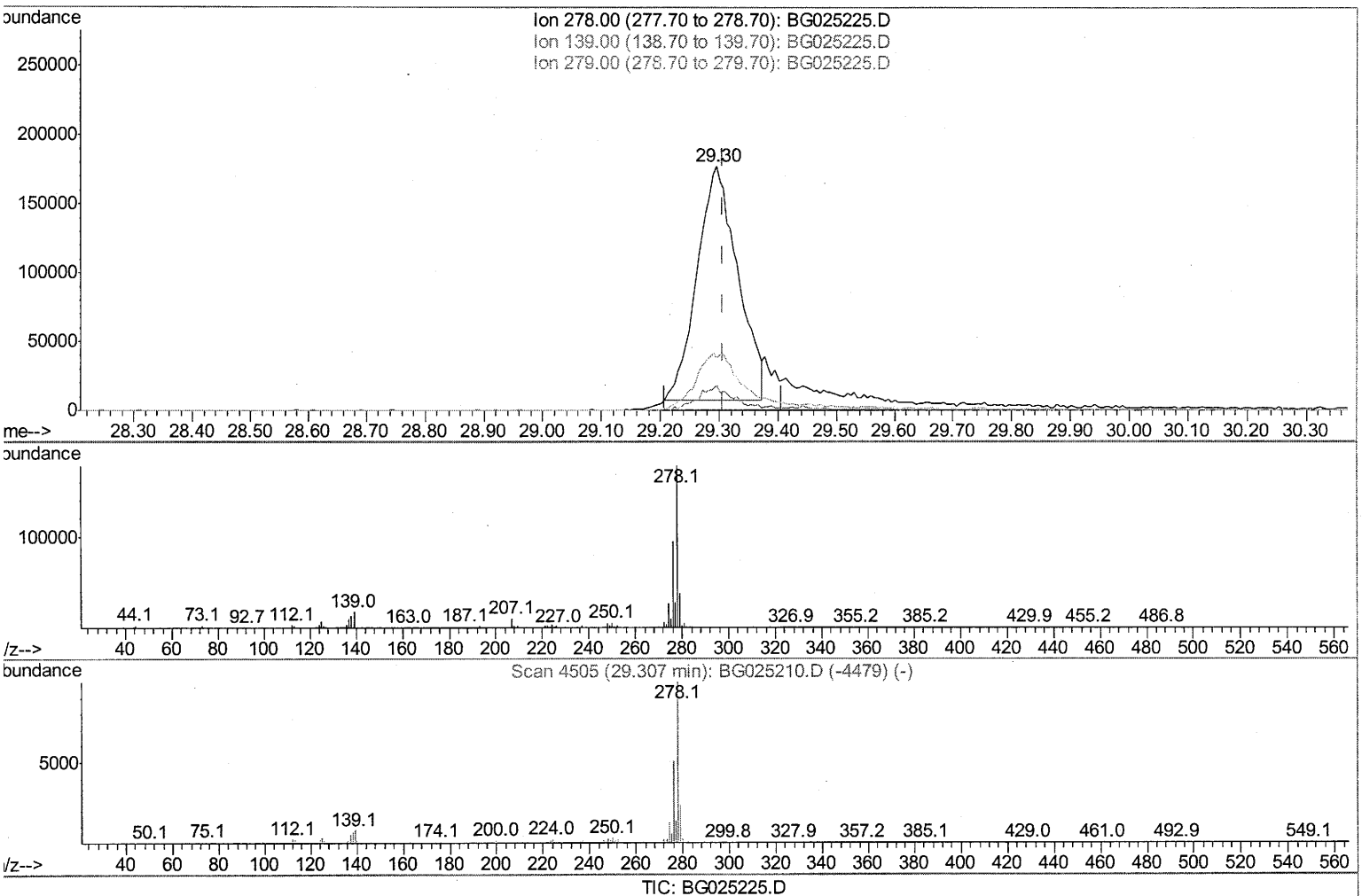
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025225.D
Acq On : 15 Dec 2016 23:52
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 03:33:21 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 03:23:37 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02010

Manual Integrations APPROVED
UMANGI
12/16/2016 6:21:20 PM



(90) Dibenzo(a,h)anthracene

29.296min (-0.012) 14.88ng/ul

response 816952

Ion	Exp%	Act%
278.00	100	100
139.00	8.40	10.11#
279.00	26.10	21.57
0.00	0.00	0.00

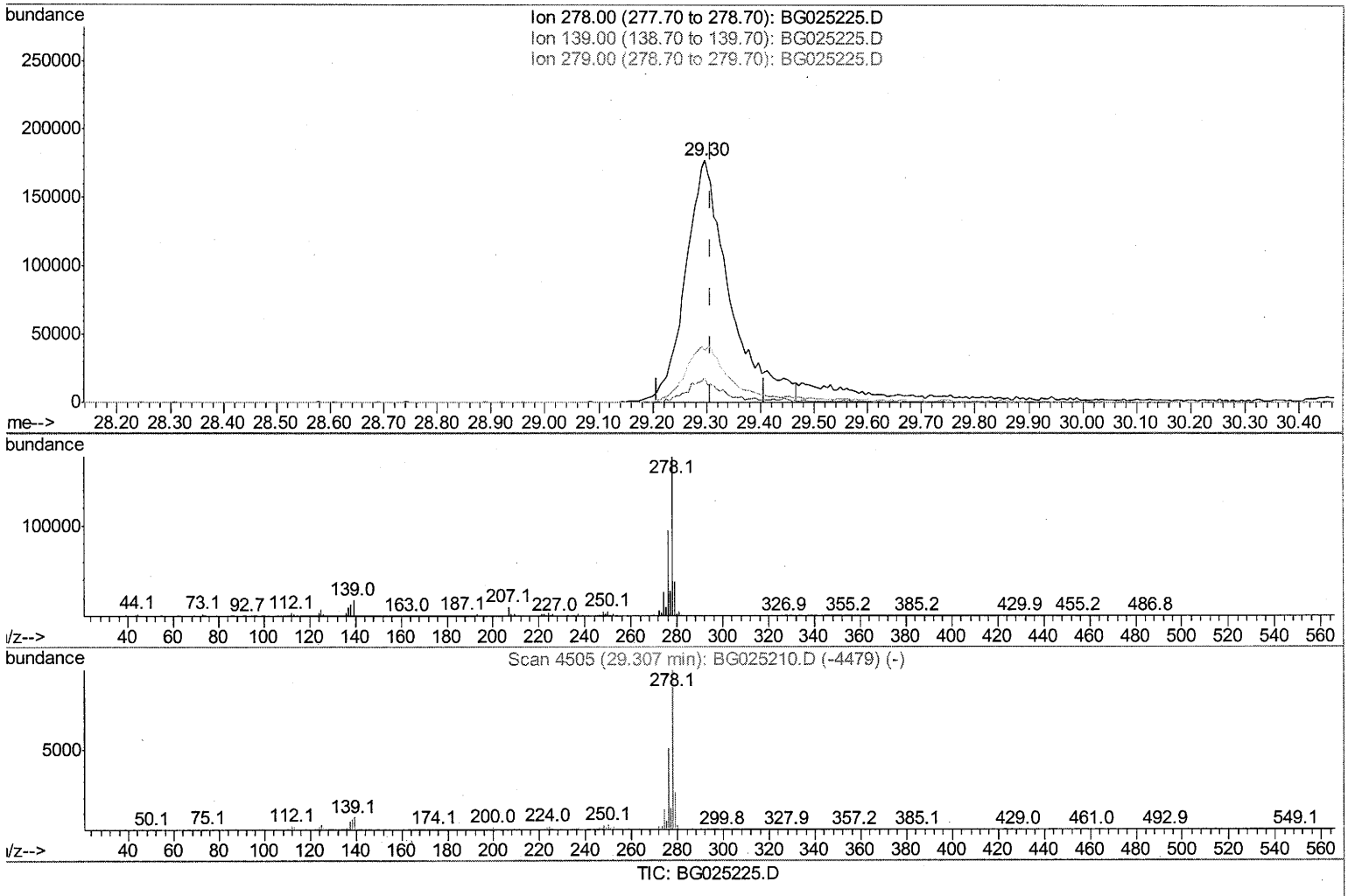
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025225.D
Acq On : 15 Dec 2016 23:52
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 03:33:21 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 03:23:37 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02010

Manual Integrations APPROVED
UMANGI
12/16/2016 6:21:20 PM



TIC: BG025225.D

(90) Dibenzo(a,h)anthracene

29.296min (-0.012) 18.46ng/ul m

response 1013463

Ion	Exp%	Act%
278.00	100	100
139.00	8.40	10.11#
279.00	26.10	21.57
0.00	0.00	0.00

CM
12/16/16

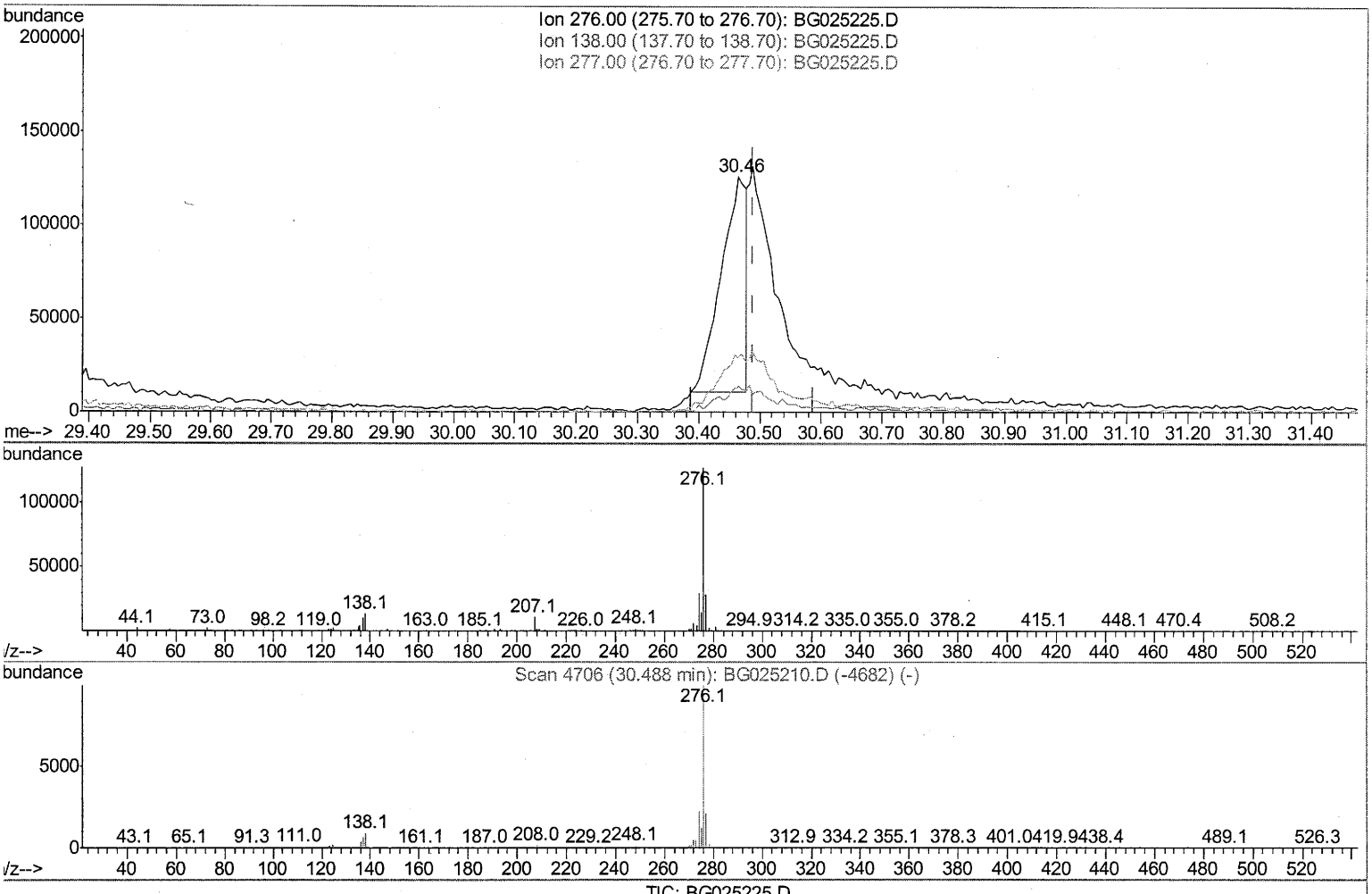
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025225.D
Acq On : 15 Dec 2016 23:52
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 03:33:21 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 03:23:37 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02010

Manual Integrations APPROVED
UMANGI
12/16/2016 6:21:20 PM



TIC: BG025225.D

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

30.465min (-0.024) 5.97ng/ul

response 324495

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	10.75
277.00	22.00	22.92
0.00	0.00	0.00

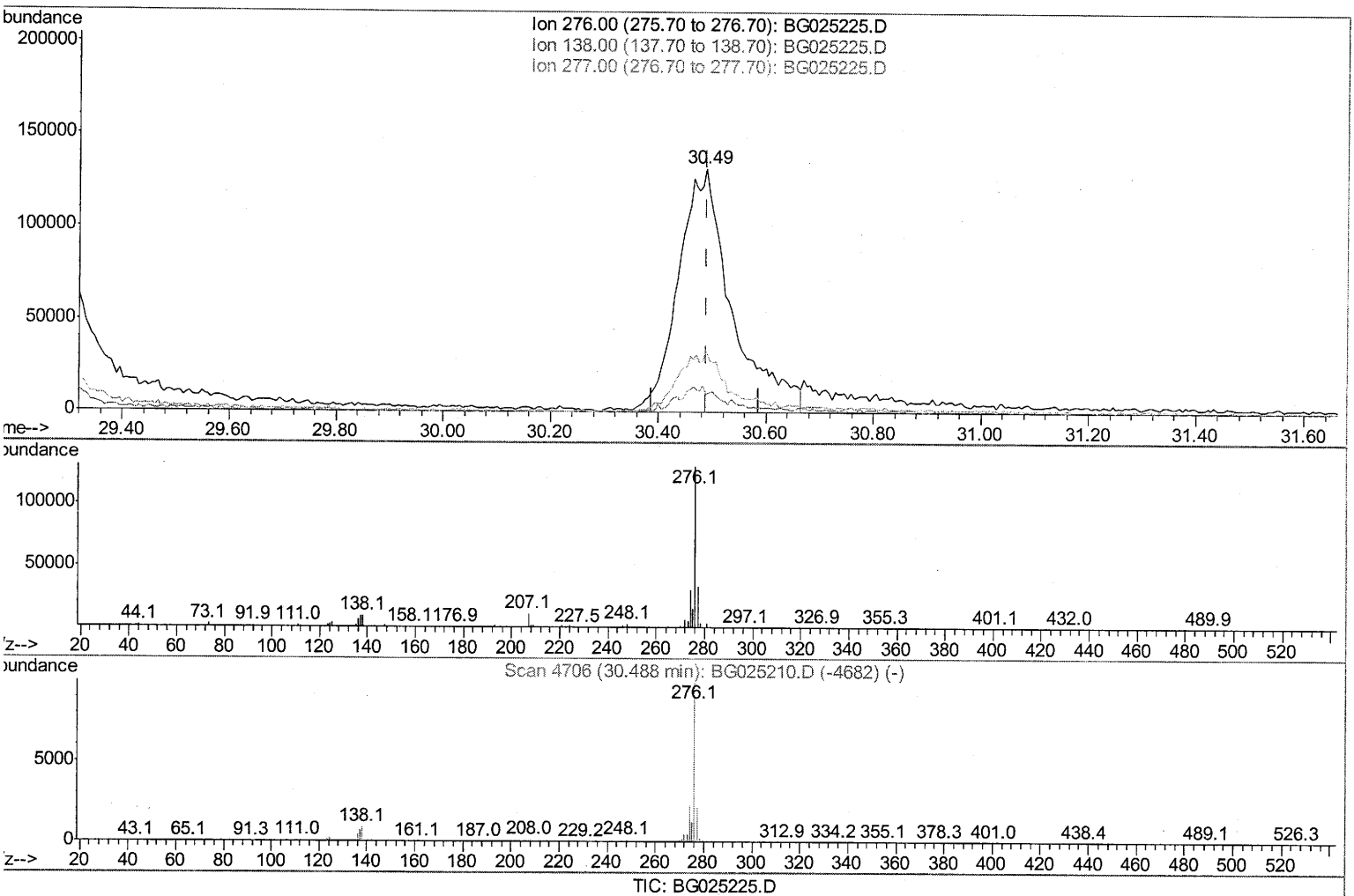
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025225.D
Acq On : 15 Dec 2016 23:52
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 03:33:21 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 03:23:37 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02010

Manual Integrations APPROVED
UMANGI
12/16/2016 6:21:20 PM



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

30.488min (-0.000) 16.74ng/ul m

response 910055

12/16/16

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	7.29#
277.00	22.00	25.24
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025225.D
Acq On : 15 Dec 2016 23:52
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 05:48:23 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 03:23:37 2016
Response via : Initial Calibration

Instrument : BNA_G
LabSampleId : SSTD02010

Manual Integrations APPROVED
UMANGI
12/16/2016 6:21:20 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	110929	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	496569	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.85	164	430123	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	902110	20.00	ng/ul	0.00
75) Chrysene-d12	21.89	240	1107726	20.00	ng/ul	0.00
83) Perylene-d12	25.31	264	1099391	20.00	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.59	96	14960	6.97	ng/uL	0.00
5) Phenol-d5	7.38	99	205822	21.51	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	123948	20.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.76	132	139050	20.78	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	169203	21.16	ng/ul	0.00
19) Nitrobenzene-d5	9.41	128	72398	20.59	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	86555	19.75	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	178609	21.19	ng/ul	0.00
29) 4-Chloroaniline-d4	11.20	131	208619	25.18	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	564430	19.08	ng/ul	0.00
46) Acenaphthylene-d8	14.55	160	661398	20.41	ng/ul	0.00
51) 4-Nitrophenol-d4	15.06	143	88021	17.31	ng/ul	0.00
57) Fluorene-d10	15.84	176	534389	19.19	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	115034	20.62	ng/ul	0.00
70) Anthracene-d10	17.70	188	777436	20.42	ng/ul	0.00
76) Pyrene-d10	19.97	212	950645	20.84	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.08	264	935086	20.99	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.63	88	17886	6.39	ng/uL#	79
4) Benzaldehyde	7.37	77	155121	21.53	ng/ul	93
6) Phenol	7.42	94	216590	22.05	ng/ul	95
8) Bis(2-Chloroethyl)ether	7.64	93	141087	19.63	ng/ul	91
10) 2-Chlorophenol	7.79	128	134570	20.00	ng/ul	98
11) 2-Methylphenol	8.67	108	155730	21.53	ng/ul	96
12) 2,2'-oxybis(1-Chloropropan	8.75	45	272573	22.30	ng/ul	98
14) Acetophenone	9.07	105	243326	19.99	ng/ul	91
15) N-Nitroso-di-n-propylamine	9.04	70	142925	20.33	ng/ul#	94
16) 4-Methylphenol	9.00	108	168557	20.95	ng/ul	98
17) Hexachloroethane	9.32	117	60964	20.45	ng/ul	91
20) Nitrobenzene	9.45	77	226028	20.92	ng/ul	96
21) Isophorone	9.97	82	391915	19.17	ng/ul	96
23) 2-Nitrophenol	10.17	139	91942	20.68	ng/ul	90
24) 2,4-Dimethylphenol	10.21	107	211132	20.76	ng/ul	97
25) Bis(2-Chloroethoxy)methane	10.45	93	205021	19.67	ng/ul	92
27) 2,4-Dichlorophenol	10.71	162	175135	21.39	ng/ul	96
28) Naphthalene	11.11	128	471340	20.42	ng/ul	98
30) 4-Chloroaniline	11.22	127	201344	23.77	ng/ul	95
31) Hexachlorobutadiene	11.38	225	137581	19.55	ng/ul	97
32) Caprolactam	11.99	113	64387m	18.94	ng/ul	
33) 4-Chloro-3-methylphenol	12.33	107	211159	20.93	ng/ul	93
34) 2-Methylnaphthalene	12.70	142	377573	20.73	ng/ul	98

UM 12/16/16

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025225.D
Acq On : 15 Dec 2016 23:52
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 05:48:23 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 03:23:37 2016
Response via : Initial Calibration

Instrument : BNA_G
LabSampleId : SSTD02010

Manual Integrations APPROVED
UMANGI
12/16/2016 6:21:20 PM

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.06	216	261192	20.15 ng/ul	94
37) Hexachlorocyclopentadiene	13.03	237	124082	16.31 ng/ul#	98
38) 2,4,6-Trichlorophenol	13.30	196	169829	20.85 ng/ul	94
39) 2,4,5-Trichlorophenol	13.38	196	182520	20.45 ng/ul	97
40) 1,1'-Biphenyl	13.69	154	521941	20.02 ng/ul	98
41) 2-Chloronaphthalene	13.74	162	405144	19.52 ng/ul	96
42) 2-Nitroaniline	13.95	65	176514	21.72 ng/ul	98
44) Dimethylphthalate	14.30	163	548606	18.87 ng/ul	98
45) 2,6-Dinitrotoluene	14.43	165	121196	19.40 ng/ul	89
47) Acenaphthylene	14.58	152	627192	19.91 ng/ul	99
48) 3-Nitroaniline	14.77	138	115445	21.34 ng/ul#	98
49) Acenaphthene	14.92	153	444670	20.60 ng/ul	98
50) 2,4-Dinitrophenol	14.98	184	67571	16.65 ng/ul	97
52) 4-Nitrophenol	15.08	109	112569	18.41 ng/ul	92
53) Dibenzofuran	15.25	168	662958	19.42 ng/ul	94
54) 2,4-Dinitrotoluene	15.22	165	176741	18.77 ng/ul	88
55) 2,3,4,6-Tetrachlorophenol	15.48	232	174552	18.51 ng/ul	97
56) Diethylphthalate	15.64	149	544560	17.69 ng/ul	99
58) Fluorene	15.90	166	536038	19.29 ng/ul	99
59) 4-Chlorophenyl-phenylether	15.88	204	297592	19.02 ng/ul#	83
60) 4-Nitroaniline	15.93	138	111089	17.02 ng/ul	98
63) 4,6-Dinitro-2-methylphenol	15.99	198	111759	19.34 ng/ul#	95
64) N-Nitrosodiphenylamine	16.10	169	492278	21.21 ng/ul	95
65) 4-Bromophenyl-phenylether	16.77	248	220419	21.63 ng/ul	96
66) Hexachlorobenzene	16.90	284	248160	21.63 ng/ul	97
67) Atrazine	17.03	200	213016	19.31 ng/ul	98
68) Pentachlorophenol	17.25	266	125078	18.16 ng/ul	89
69) Phenanthrene	17.64	178	887636	20.62 ng/ul	98
71) Anthracene	17.73	178	904285	20.43 ng/ul	98
72) Carbazole	18.00	167	786879	21.31 ng/ul	97
73) Di-n-butylphthalate	18.52	149	927348	19.89 ng/ul	99
74) Fluoranthene	19.64	202	1126188	22.01 ng/ul	99
77) Pyrene	20.00	202	1100604	20.67 ng/ul	99
78) Butylbenzylphthalate	20.85	149	460783	22.10 ng/ul	97
79) 3,3'-Dichlorobenzidine	21.77	252	428758	22.20 ng/ul	95
80) Benzo(a)anthracene	21.87	228	1176257	20.44 ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.72	149	596184	20.78 ng/ul	96
82) Chrysene	21.94	228	1099771	20.43 ng/ul	97
84) Di-n-octyl phthalate	22.98	149	1017009	22.78 ng/ul	100
85) Benzo(b)fluoranthene	24.21	252	1157501	21.23 ng/ul	99
86) Benzo(k)fluoranthene	24.28	252	1078521	20.81 ng/ul	99
88) Benzo(a)pyrene	25.15	252	1106117	21.10 ng/ul	99
89) Indeno(1,2,3-cd)pyrene	29.24	276	1170469m	17.97 ng/ul	
90) Dibenzo(a,h)anthracene	29.30	278	1013463m	18.46 ng/ul	
91) Benzo(g,h,i)perylene	30.49	276	910055m	16.74 ng/ul	

UM 12/16/16

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