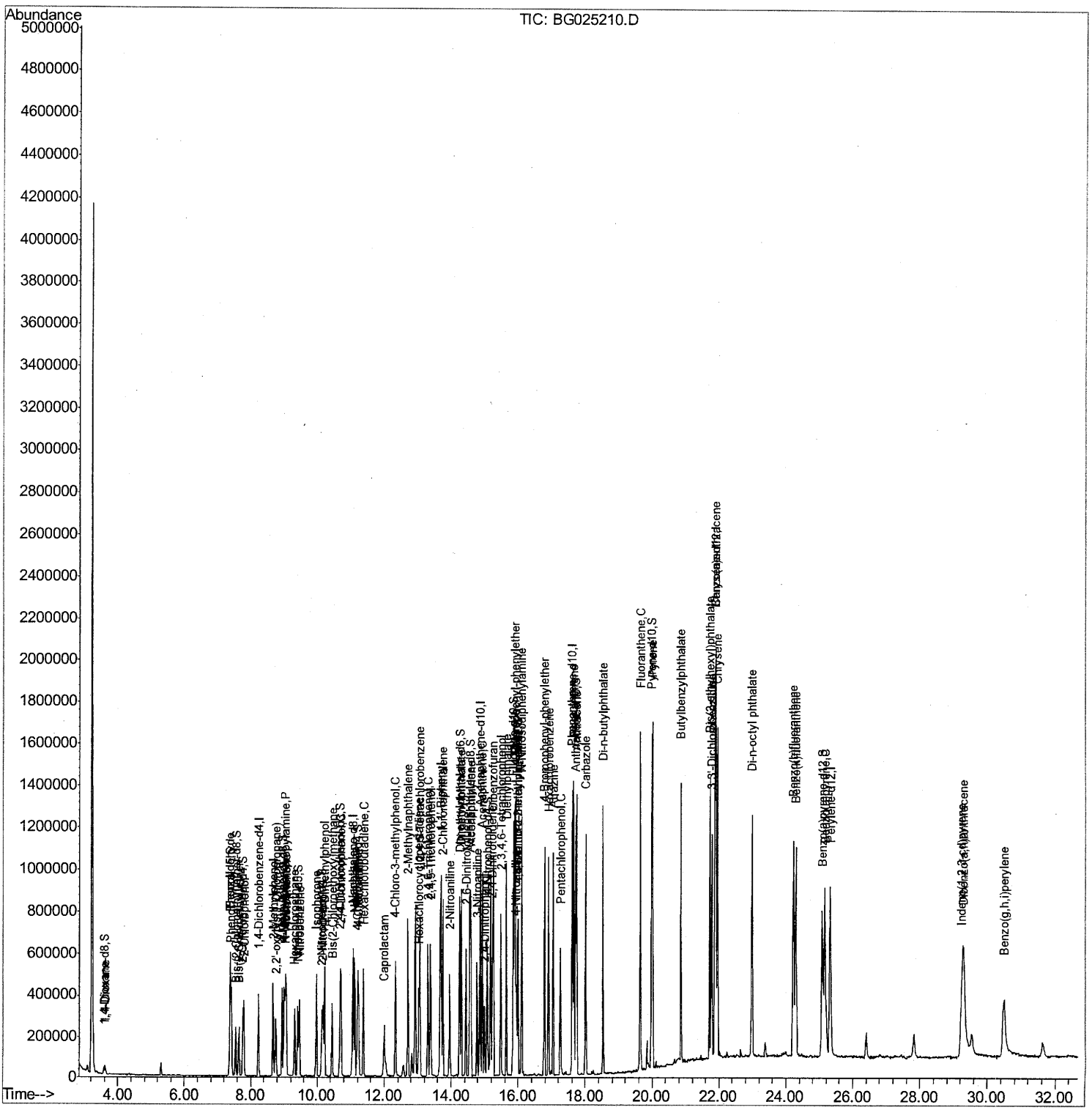
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121516\
Data File : BG025210.D
Acq On : 15 Dec 2016 14:03
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 03:12:40 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 04:58:54 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02009

Manual Integrations APPROVED
UMANGI
12/16/2016 6:21:15 PM



Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121516\
Data File : BG025210.D
Acq On : 15 Dec 2016 14:03
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 03:07:08 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 04:58:54 2016
Response via : Initial Calibration

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Manual Integrations APPROVED
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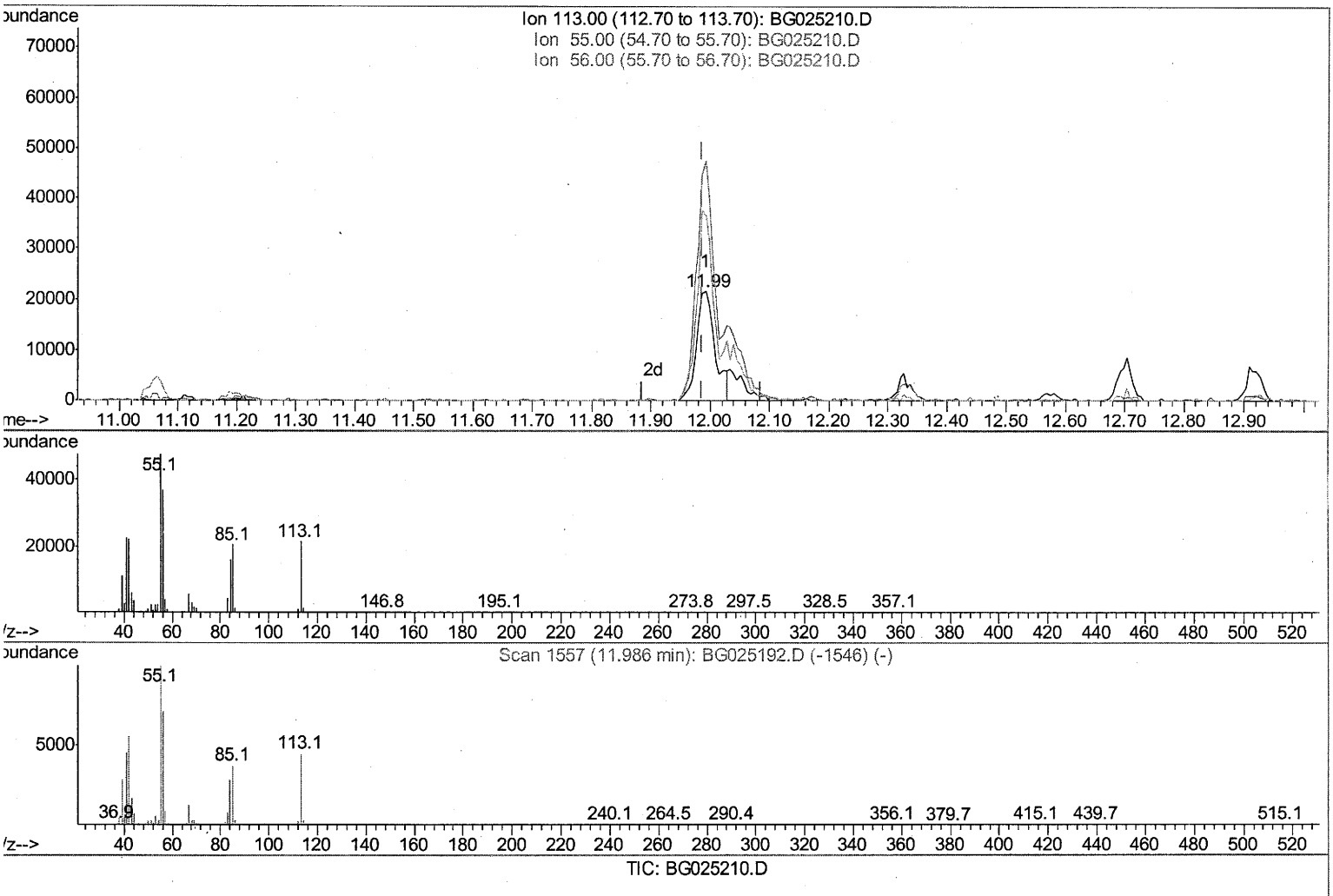

(32) Caprolactam

11.992min (+0.006) 14.05ng/ul

response 46679

Ion	Exp%	Act%
113.00	100	100
55.00	210.70	220.59
56.00	160.60	170.77
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121516\
Data File : BG025210.D
Acq On : 15 Dec 2016 14:03
Operator : UM/SJ
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Manual Integrations APPROVED
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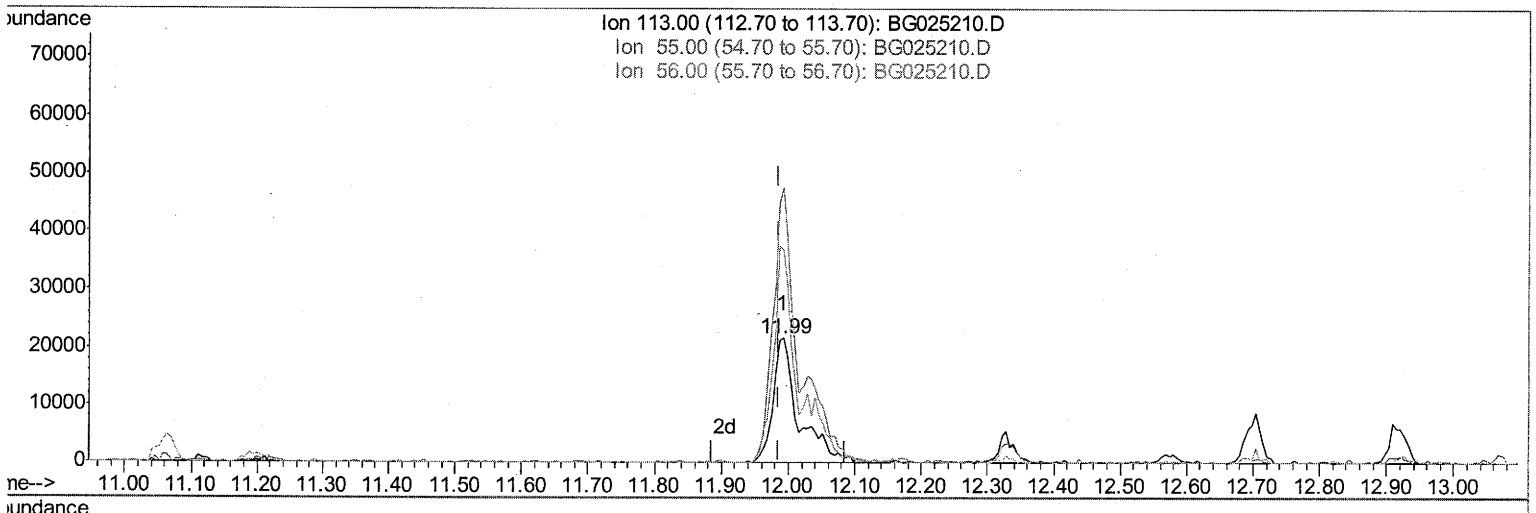

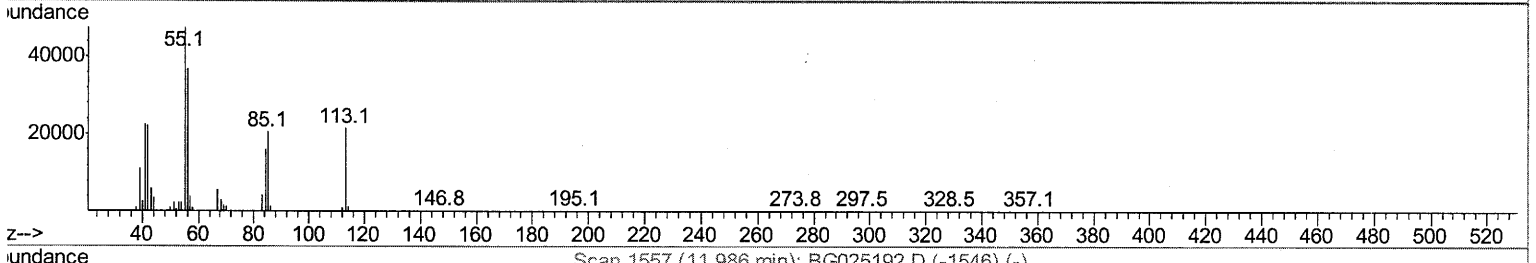

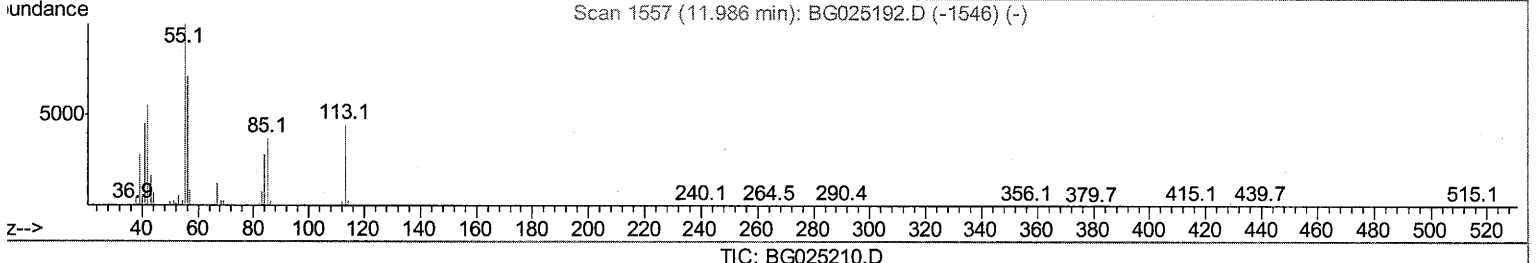

TIC: BG025210.D

(32) Caprolactam

11.992min (+0.006) 17.40ng/ul m

response 57804

Ion	Exp%	Act%
113.00	100	100
55.00	210.70	220.59
56.00	160.60	170.77
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121516\
Data File : BG025210.D
Acq On : 15 Dec 2016 14:03
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

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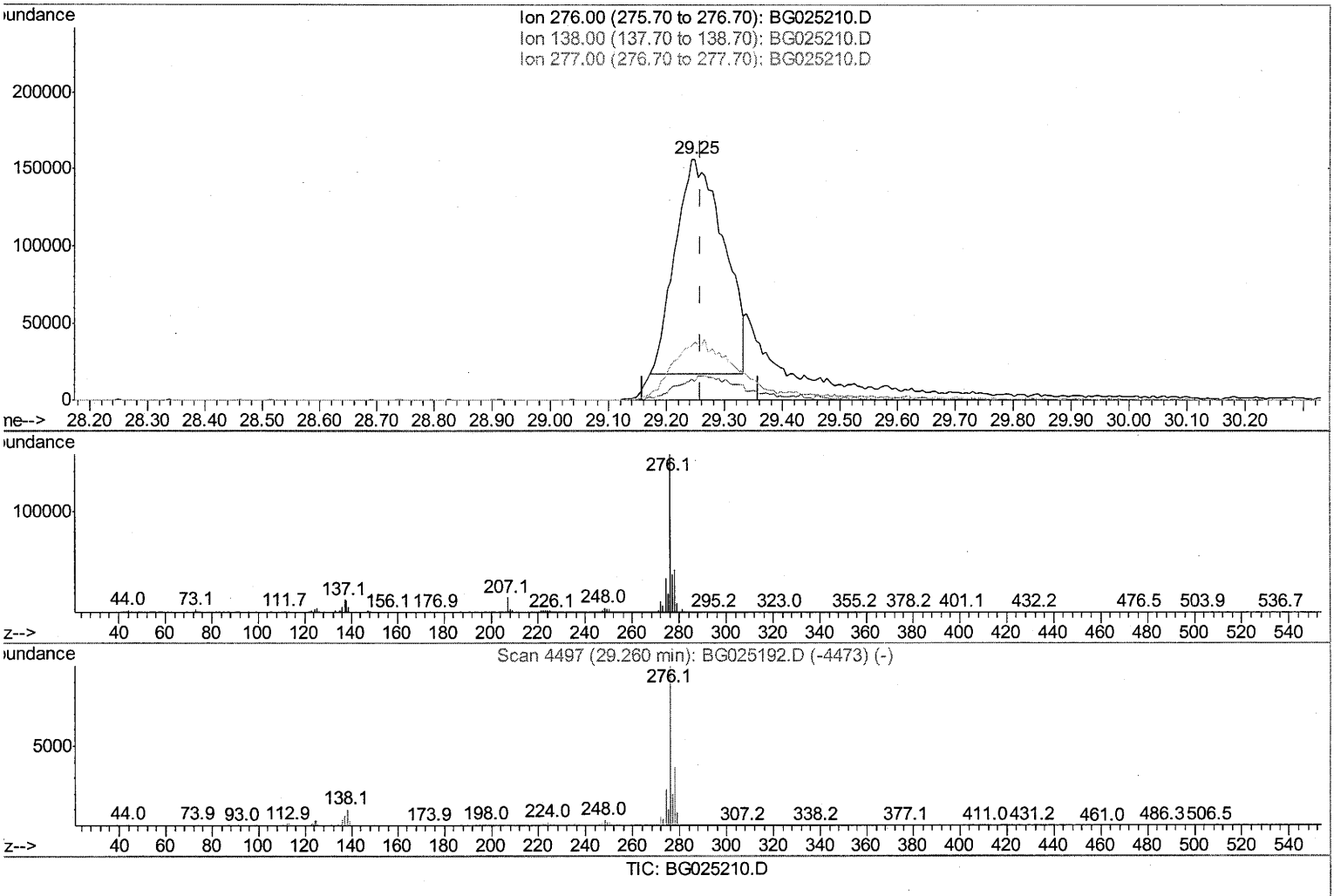
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 04:58:54 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02009

Manual Integrations APPROVED
UMANGI
12/16/2016 6:21:15 PM



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

29.249min (-0.011) 12.75ng/ul

response 810485

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	7.74#
277.00	23.30	24.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121516\
Data File : BG025210.D
Acq On : 15 Dec 2016 14:03
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 03:07:08 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 04:58:54 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02009

Manual Integrations APPROVED
UMANGI
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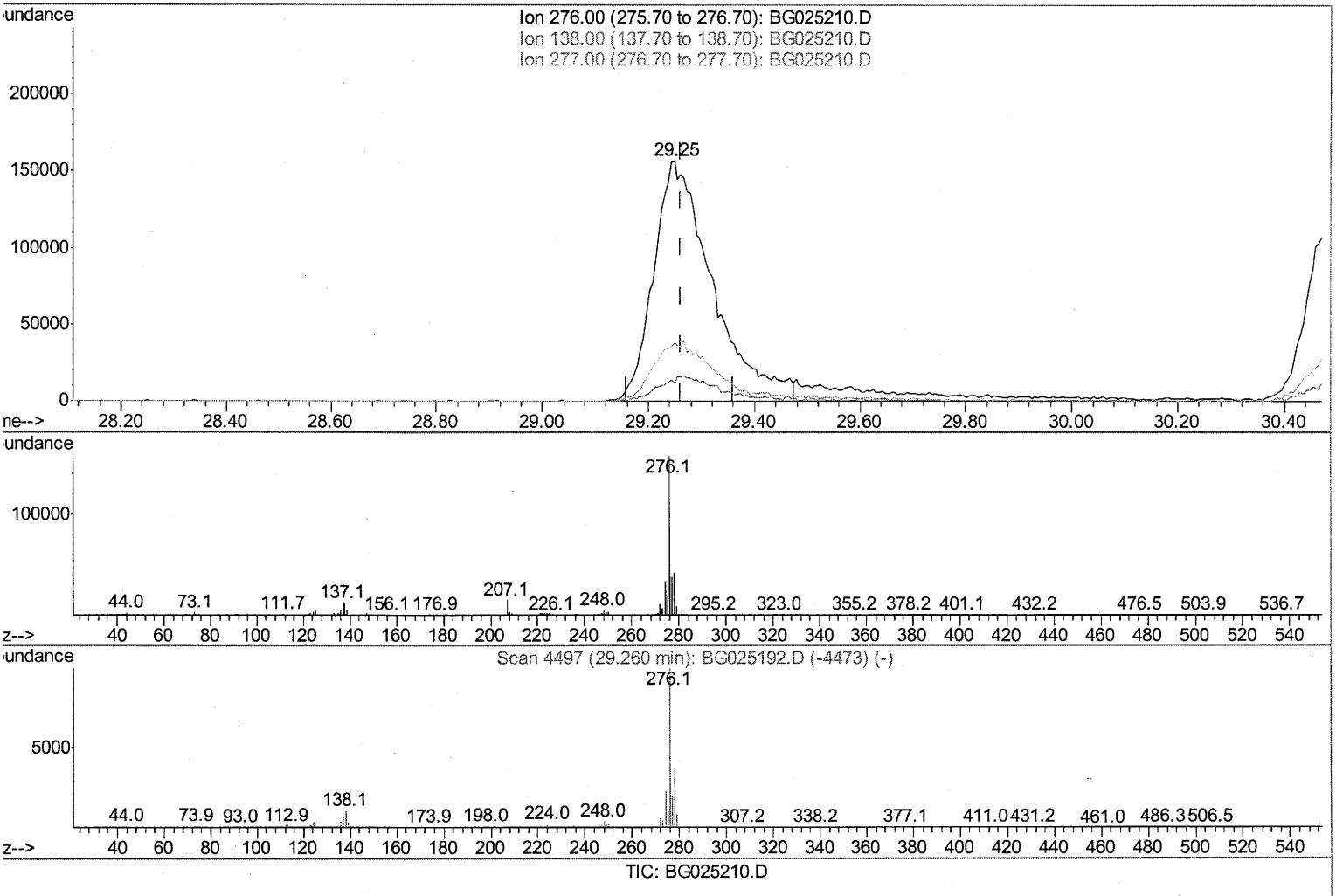

TIC: BG025210.D

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

29.249min (-0.011) 18.79ng/ul m

response 1194692

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	7.74#
277.00	23.30	24.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121516\
Data File : BG025210.D
Acq On : 15 Dec 2016 14:03
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 03:07:08 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 04:58:54 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02009

Manual Integrations APPROVED
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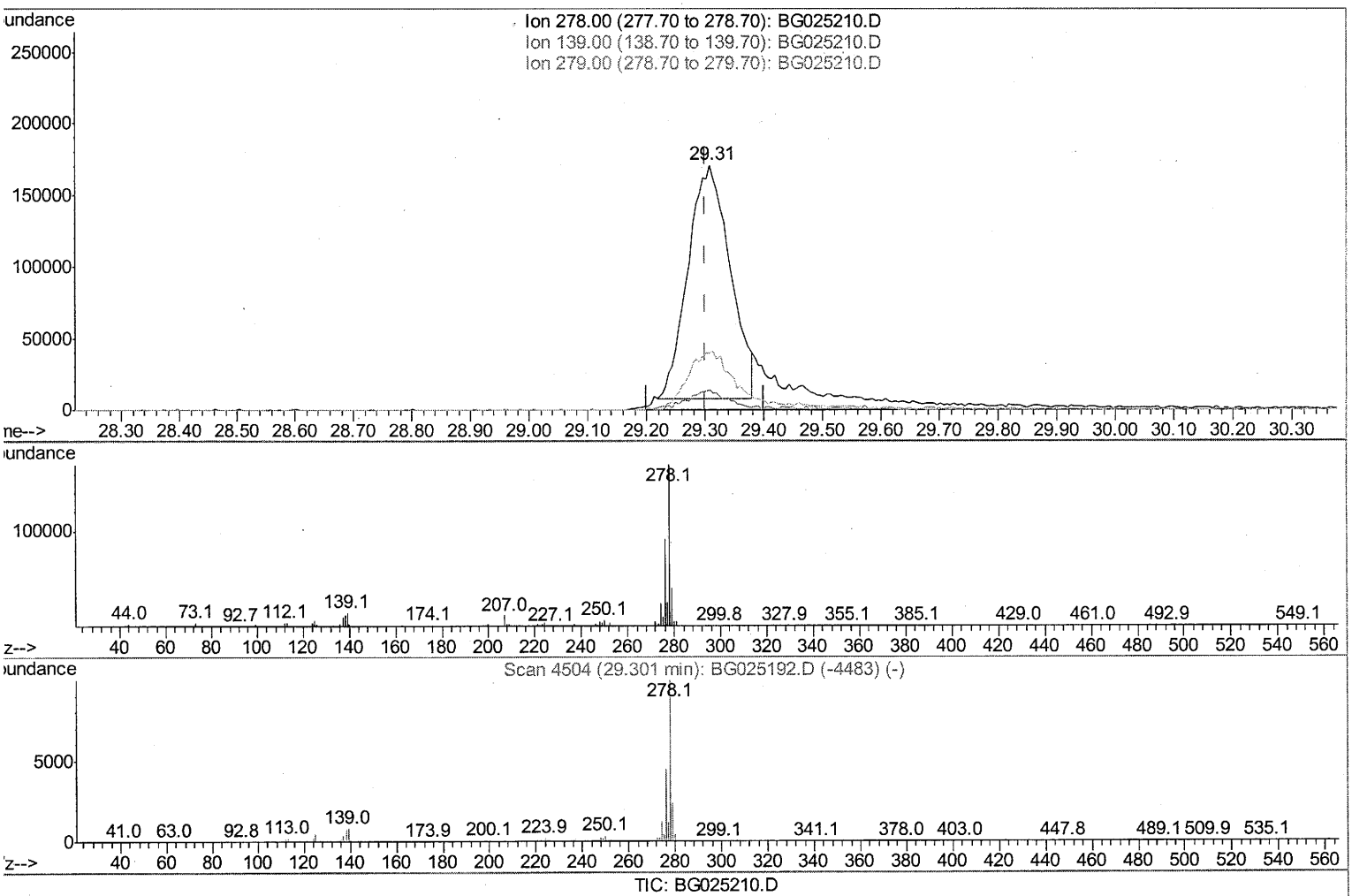

TIC: BG025210.D

(90) Dibenzo(a,h)anthracene

29.307min (+0.006) 15.15ng/ul

response 811804

Ion	Exp%	Act%
278.00	100	100
139.00	8.40	10.00
279.00	26.10	23.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121516\
Data File : BG025210.D
Acq On : 15 Dec 2016 14:03
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 03:07:08 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
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QLast Update : Thu Dec 15 04:58:54 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02009

Manual Integrations APPROVED
UMANGI
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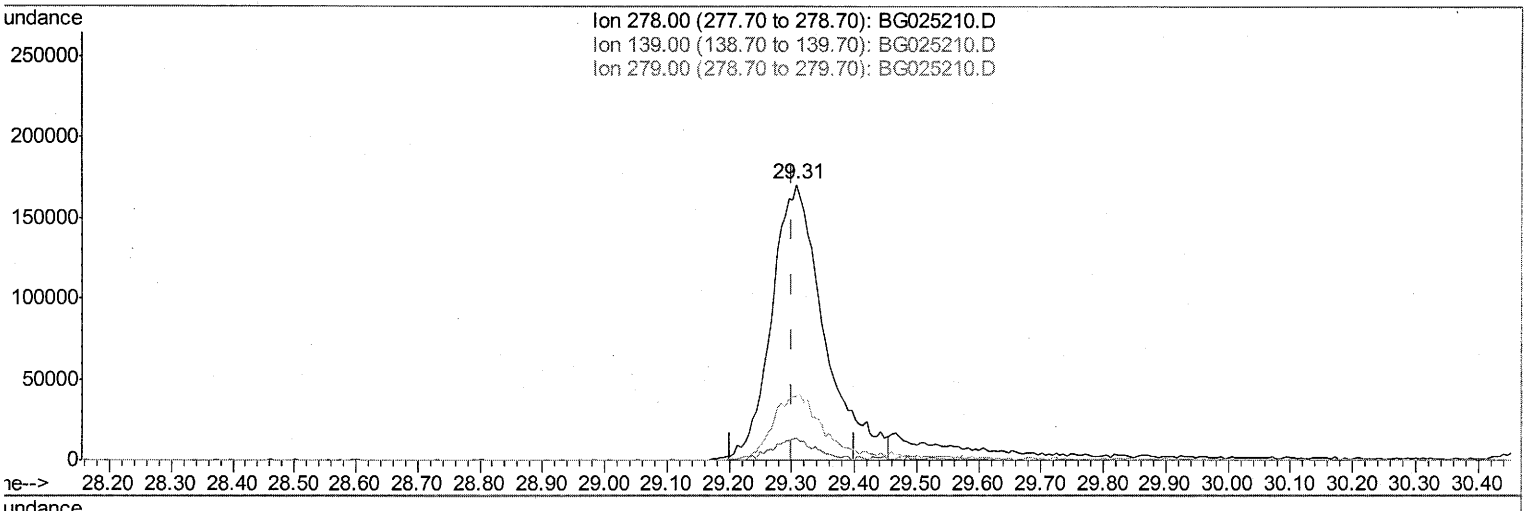

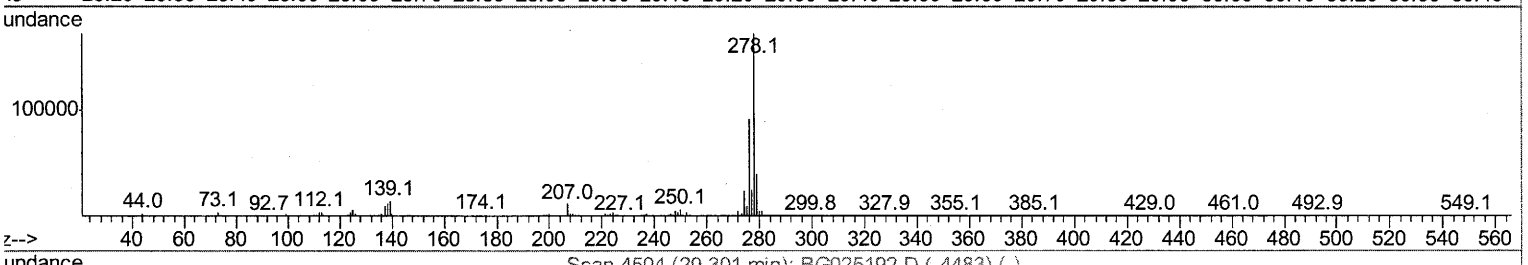

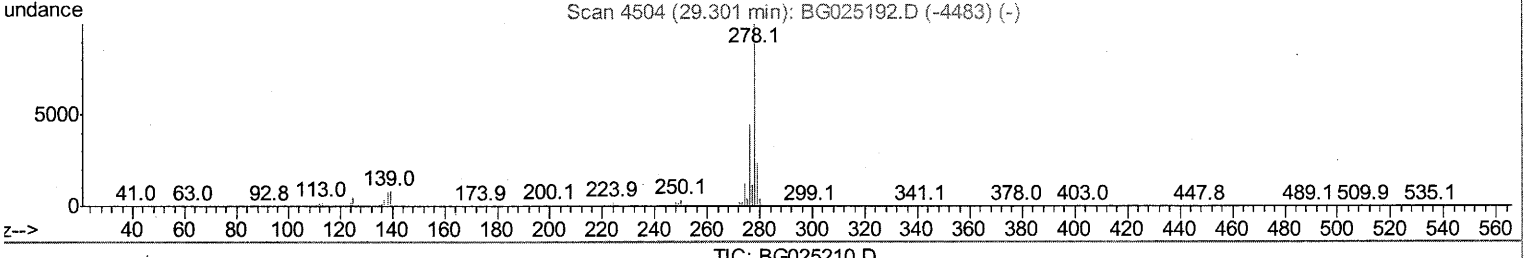

TIC: BG025210.D

(90) Dibenzo(a,h)anthracene

29.307min (+0.006) 18.61ng/ul m

response 996899

Ion	Exp%	Act%
278.00	100	100
139.00	8.40	8.35
279.00	26.10	23.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121516\
Data File : BG025210.D
Acq On : 15 Dec 2016 14:03
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 03:07:08 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
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Instrument :
BNA_G
LabSampleId :
SSTD02009

Manual Integrations APPROVED
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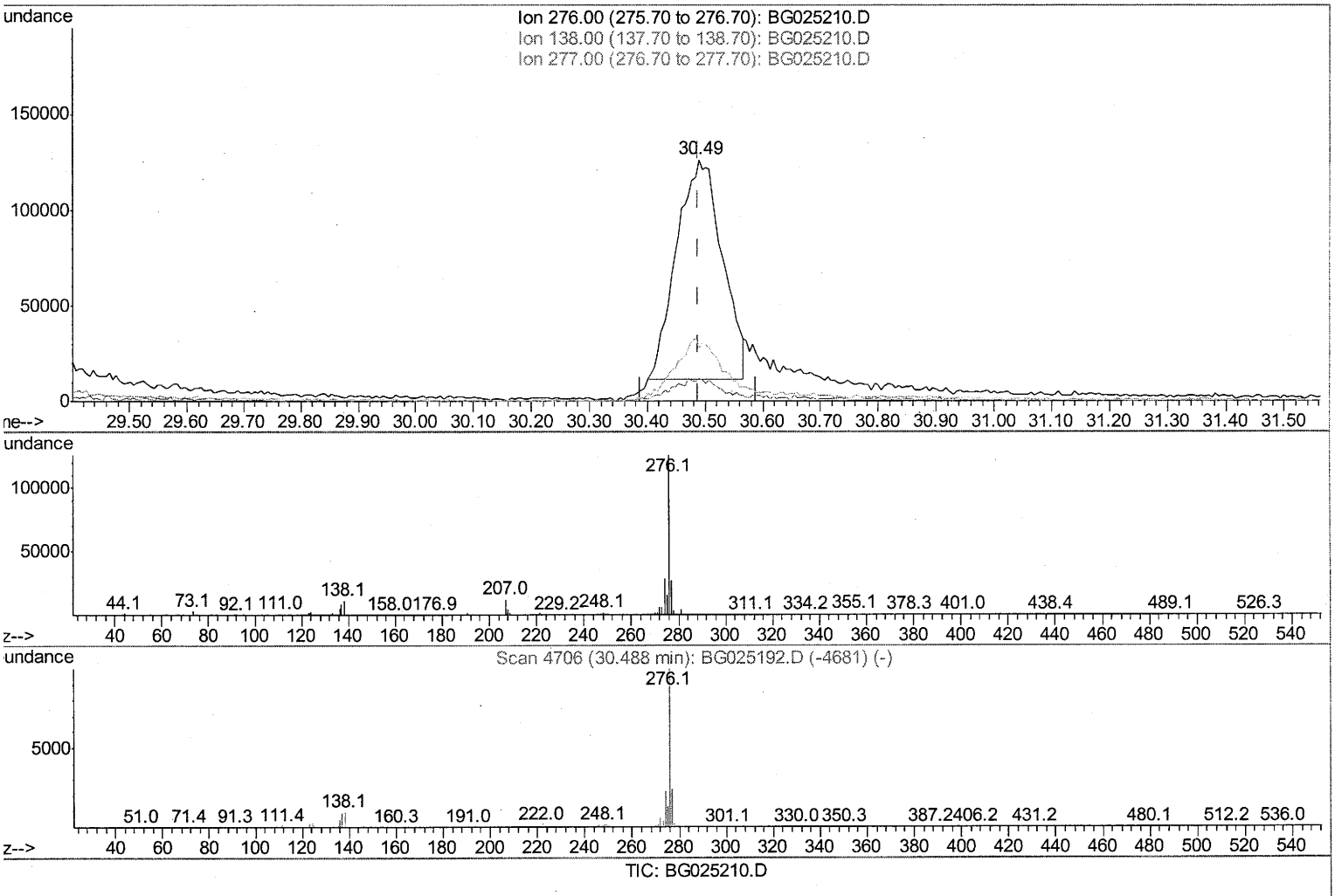

TIC: BG025210.D

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

30.488min (+0.000) 11.81ng/ul

response 626810

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	9.35
277.00	22.00	21.69
0.00	0.00	0.00

Quantitation Report (Qedit)

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Data File : BG025210.D
Acq On : 15 Dec 2016 14:03
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 03:07:08 2016
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Instrument :
BNA_G
LabSampleId :
SSTD02009

Manual Integrations APPROVED
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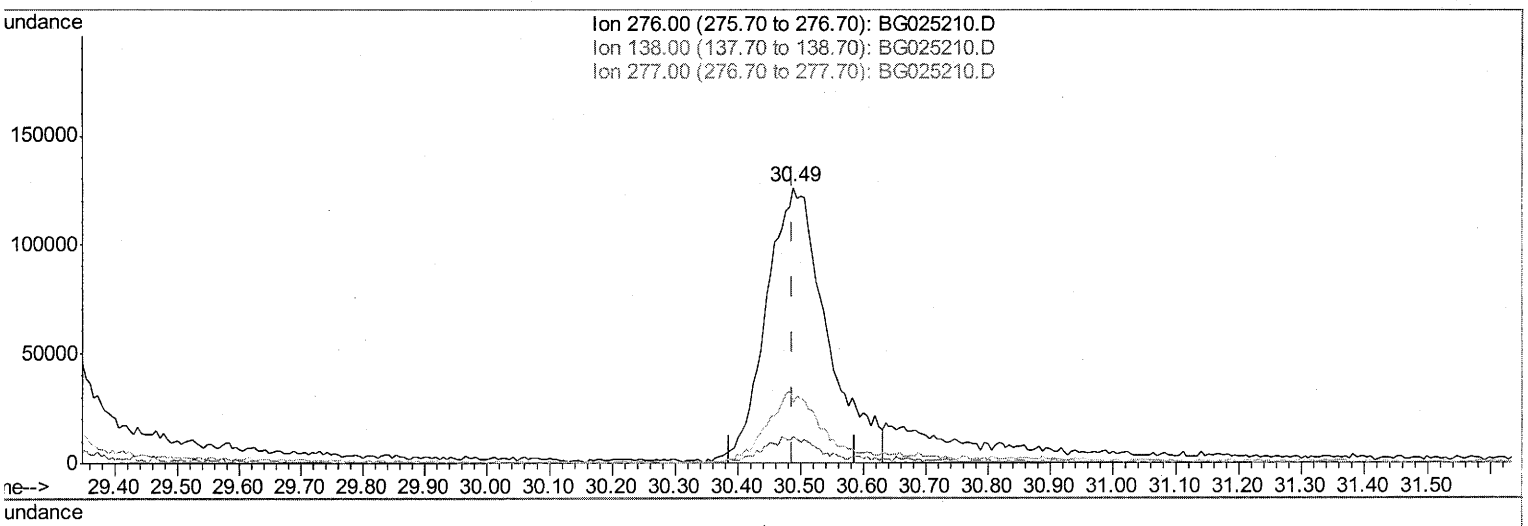

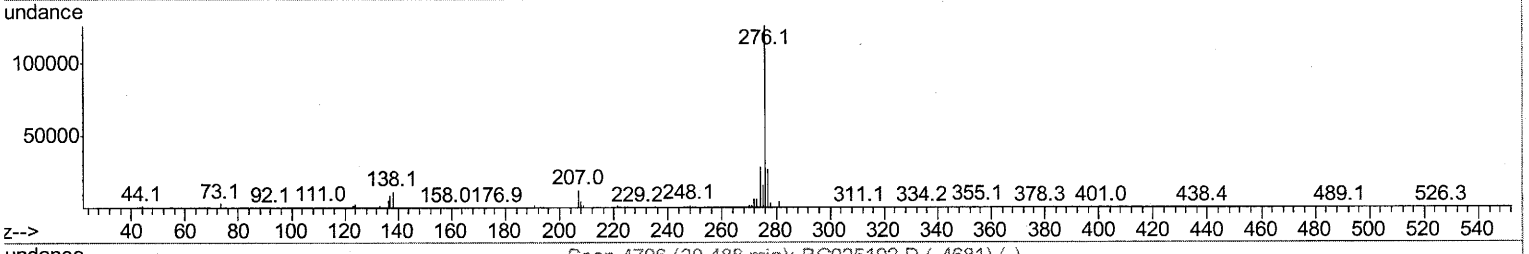

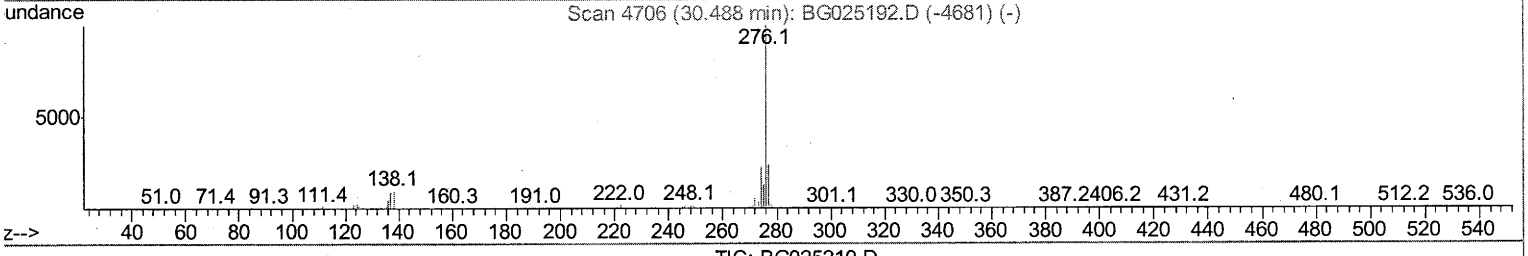

TIC: BG025210.D

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

30.488min (+0.000) 15.90ng/ul m

response 843885

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	9.35
277.00	22.00	21.69
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

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Data File : BG025210.D
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Operator : UM/SJ
Sample : SSTDCCC020
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ALS Vial : 2 Sample Multiplier: 1

Instrument :
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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	110453	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	485392	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	397162	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	867886	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	1085003	20.00	ng/ul	0.00
83) Perylene-d12	25.32	264	1073081	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.58	96	14982	7.01	ng/uL	0.00
5) Phenol-d5	7.39	99	188357	19.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	114108	19.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.76	132	129212	19.39	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	161774	20.32	ng/ul	0.00
19) Nitrobenzene-d5	9.41	128	67633	19.68	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	85558	19.97	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	168139	20.40	ng/ul	0.00
29) 4-Chloroaniline-d4	11.20	131	192202	23.73	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	543117	19.88	ng/ul	0.00
46) Acenaphthylene-d8	14.55	160	632324	21.13	ng/ul	0.00
51) 4-Nitrophenol-d4	15.07	143	88302	18.81	ng/ul	0.00
57) Fluorene-d10	15.85	176	536340	20.86	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	115030	21.44	ng/ul	0.00
70) Anthracene-d10	17.70	188	740944	20.23	ng/ul	0.00
76) Pyrene-d10	19.97	212	898221	20.10	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.08	264	904510	20.80	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.63	88	19138	6.87	ng/uL#	88
4) Benzaldehyde	7.37	77	146476	20.42	ng/ul	91
6) Phenol	7.42	94	200001	20.45	ng/ul	95
8) Bis(2-Chloroethyl)ether	7.64	93	138375	19.33	ng/ul	93
10) 2-Chlorophenol	7.80	128	136190	20.33	ng/ul	93
11) 2-Methylphenol	8.68	108	138497	19.23	ng/ul	89
12) 2,2'-oxybis(1-Chloropropan	8.76	45	237978	19.55	ng/ul	99
14) Acetophenone	9.07	105	234107	19.32	ng/ul	96
15) N-Nitroso-di-n-propylamine	9.04	70	132338	18.91	ng/ul#	96
16) 4-Methylphenol	9.00	108	159361	19.89	ng/ul	90
17) Hexachloroethane	9.32	117	57960	19.53	ng/ul	95
20) Nitrobenzene	9.45	77	214900	20.35	ng/ul	96
21) Isophorone	9.97	82	377781	18.90	ng/ul	97
23) 2-Nitrophenol	10.17	139	90545	20.83	ng/ul	87
24) 2,4-Dimethylphenol	10.22	107	198372	19.96	ng/ul	96
25) Bis(2-Chloroethoxy)methane	10.45	93	205212	20.15	ng/ul#	91
27) 2,4-Dichlorophenol	10.71	162	166868	20.85	ng/ul	95
28) Naphthalene	11.11	128	435965	19.32	ng/ul	98
30) 4-Chloroaniline	11.22	127	194121	23.45	ng/ul	95
31) Hexachlorobutadiene	11.38	225	133871	19.46	ng/ul	97
32) Caprolactam	11.99	113	57804m	17.40	ng/ul	
33) 4-Chloro-3-methylphenol	12.33	107	198963	20.17	ng/ul	94
34) 2-Methylnaphthalene	12.70	142	347883	19.54	ng/ul	96

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QLast Update : Thu Dec 15 04:58:54 2016
Response via : Initial Calibration

Instrument : BNA_G
LabSampleId : SSTD02009

Manual Integrations APPROVED
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12/16/2016 6:21:15 PM

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.06	216	247875	20.71 ng/ul	98
37) Hexachlorocyclopentadiene	13.03	237	126724	18.03 ng/ul#	97
38) 2,4,6-Trichlorophenol	13.30	196	166398	22.13 ng/ul	95
39) 2,4,5-Trichlorophenol	13.38	196	174695	21.20 ng/ul	93
40) 1,1'-Biphenyl	13.69	154	494311	20.53 ng/ul	99
41) 2-Chloronaphthalene	13.74	162	390933	20.39 ng/ul	97
42) 2-Nitroaniline	13.95	65	164708	21.95 ng/ul	95
44) Dimethylphthalate	14.30	163	526917	19.63 ng/ul#	98
45) 2,6-Dinitrotoluene	14.44	165	113819	19.73 ng/ul	92
47) Acenaphthylene	14.58	152	605258	20.81 ng/ul	99
48) 3-Nitroaniline	14.77	138	107839	21.58 ng/ul#	80
49) Acenaphthene	14.92	153	411680	20.66 ng/ul	98
50) 2,4-Dinitrophenol	14.98	184	71428	19.06 ng/ul	96
52) 4-Nitrophenol	15.08	109	107097	18.96 ng/ul	88
53) Dibenzofuran	15.25	168	644533	20.45 ng/ul	99
54) 2,4-Dinitrotoluene	15.22	165	166368	19.14 ng/ul#	99
55) 2,3,4,6-Tetrachlorophenol	15.48	232	175388	20.14 ng/ul#	99
56) Diethylphthalate	15.65	149	539357	18.97 ng/ul	97
58) Fluorene	15.90	166	534820	20.84 ng/ul	98
59) 4-Chlorophenyl-phenylether	15.88	204	294079	20.35 ng/ul	89
60) 4-Nitroaniline	15.93	138	114161	18.95 ng/ul	99
63) 4,6-Dinitro-2-methylphenol	15.99	198	115714	20.82 ng/ul#	97
64) N-Nitrosodiphenylamine	16.10	169	477197	21.37 ng/ul	96
65) 4-Bromophenyl-phenylether	16.78	248	211596	21.58 ng/ul	93
66) Hexachlorobenzene	16.90	284	239219	21.67 ng/ul	97
67) Atrazine	17.03	200	210866	19.87 ng/ul	97
68) Pentachlorophenol	17.25	266	124178	18.74 ng/ul#	89
69) Phenanthrene	17.64	178	852240	20.57 ng/ul	99
71) Anthracene	17.73	178	861806	20.24 ng/ul	99
72) Carbazole	18.00	167	748663	21.07 ng/ul	97
73) Di-n-butylphthalate	18.53	149	900667	20.08 ng/ul	99
74) Fluoranthene	19.64	202	1066525	21.67 ng/ul	99
77) Pyrene	20.00	202	1072153	20.56 ng/ul	97
78) Butylbenzylphthalate	20.85	149	407724	19.97 ng/ul	96
79) 3,3'-Dichlorobenzidine	21.78	252	427254	22.59 ng/ul	95
80) Benzo(a)anthracene	21.87	228	1143948	20.29 ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.72	149	545033	19.39 ng/ul	99
82) Chrysene	21.95	228	1074466	20.38 ng/ul	99
84) Di-n-octyl phthalate	22.99	149	979765	22.49 ng/ul	100
85) Benzo(b)fluoranthene	24.21	252	1084301	20.38 ng/ul	100
86) Benzo(k)fluoranthene	24.29	252	1097754	21.70 ng/ul	97
88) Benzo(a)pyrene	25.15	252	1067169	20.86 ng/ul#	99
89) Indeno(1,2,3-cd)pyrene	29.25	276	1194692m	18.79 ng/ul	
90) Dibenzo(a,h)anthracene	29.31	278	996899m	18.61 ng/ul	
91) Benzo(g,h,i)perylene	30.49	276	843885m	15.90 ng/ul	

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