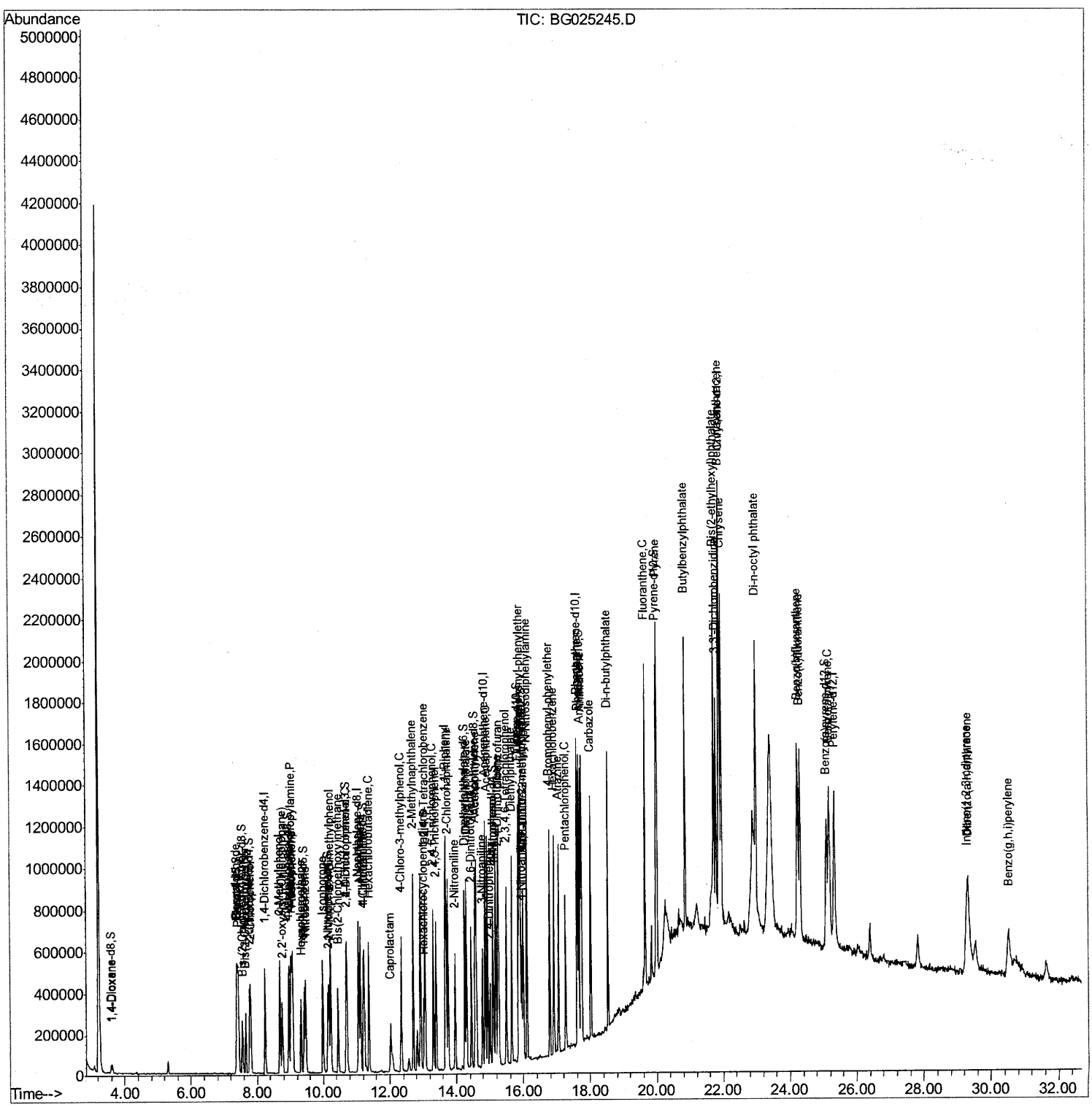
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121516\
Data File : BG025245.D
Acq On : 16 Dec 2016 13:07
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 14:11:47 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 05:54:49 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02012

Manual Integrations APPROVED
UMANGI
12/16/2016 6:21:33 PM



Quantitation Report (Qedit)

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Data File : BG025245.D
Acq On : 16 Dec 2016 13:07
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Manual Integrations APPROVED
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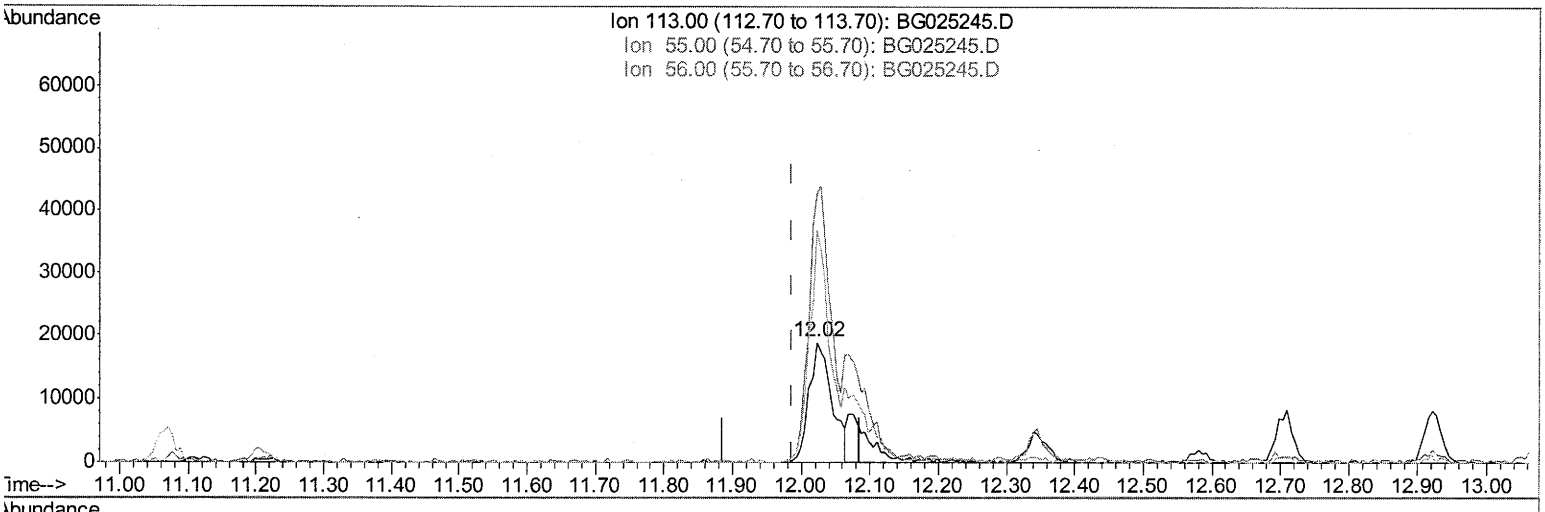

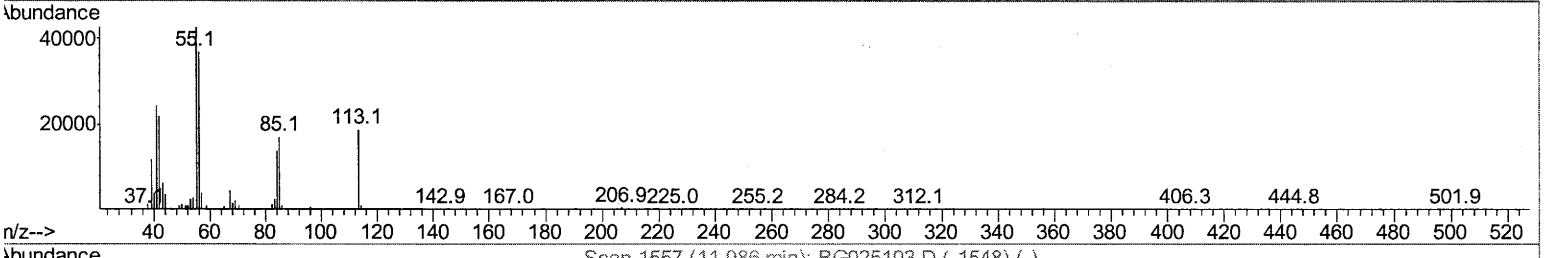

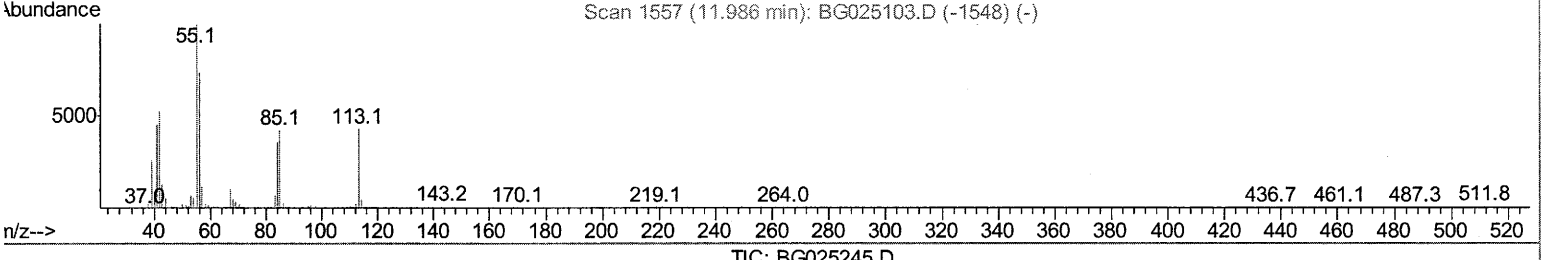

TIC: BG025245.D

(32) Caprolactam

12.022min (+0.036) 11.04ng/ul

response 44273

Ion	Exp%	Act%
113.00	100	100
55.00	210.70	225.94
56.00	160.60	194.63#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121516\
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Acq On : 16 Dec 2016 13:07
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Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 05:54:49 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02012

Manual Integrations APPROVED
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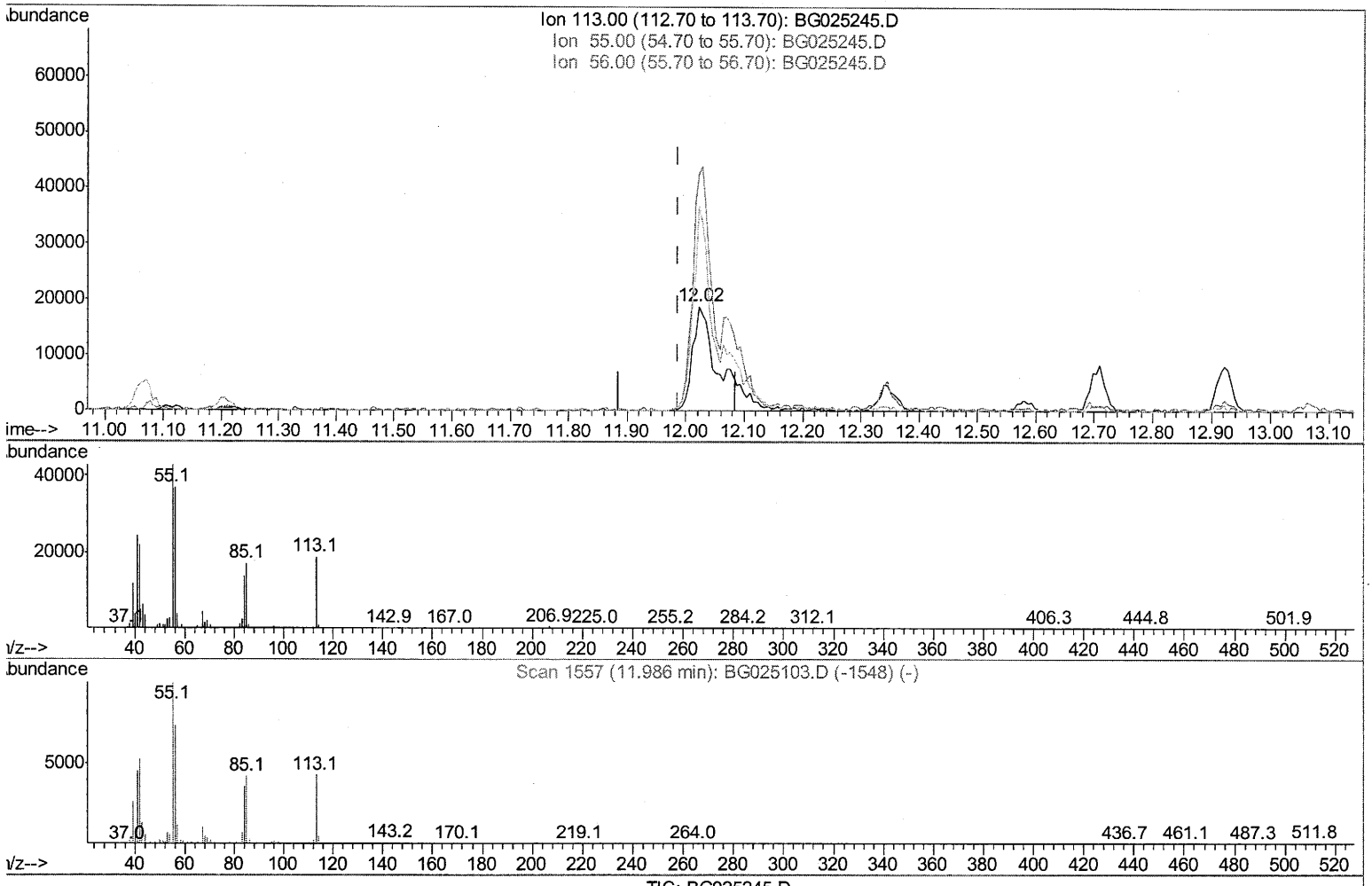

TIC: BG025245.D

(32) Caprolactam

12.022min (+0.036) 15.06ng/ul m

response 60383

Ion	Exp%	Act%
113.00	100	100
55.00	210.70	225.94
56.00	160.60	194.63#
0.00	0.00	0.00

UM 12/16/16

Quantitation Report (Qedit)

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Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

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QLast Update : Fri Dec 16 05:54:49 2016
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Instrument :
BNA_G
LabSampleId :
SSTD02012

Manual Integrations APPROVED
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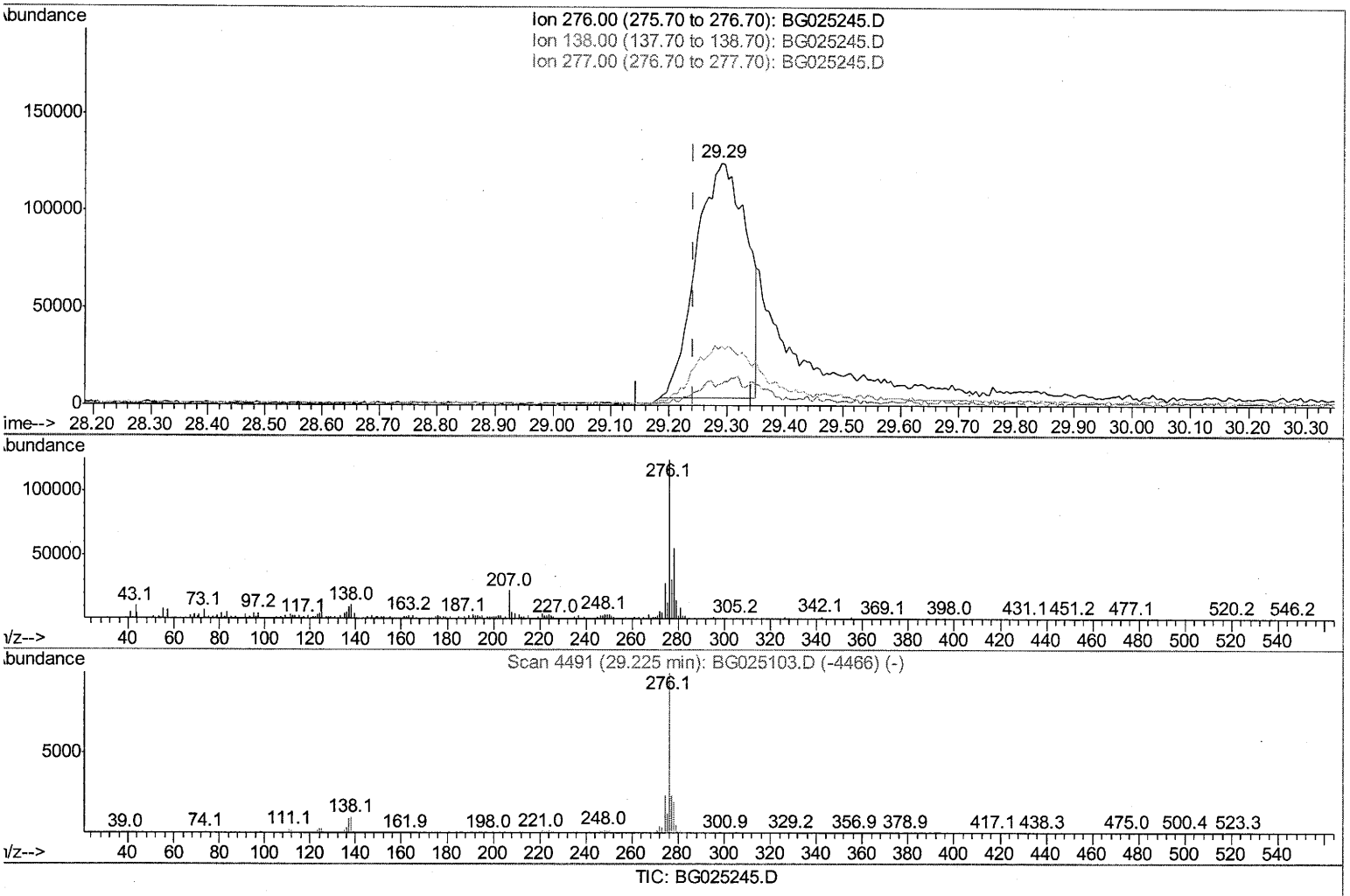

TIC: BG025245.D

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

29.290min (+0.047) 12.53ng/ul

response 722919

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	8.95
277.00	23.30	24.65
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121516\
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Acq On : 16 Dec 2016 13:07
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 14:05:43 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 05:54:49 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02012

Manual Integrations APPROVED
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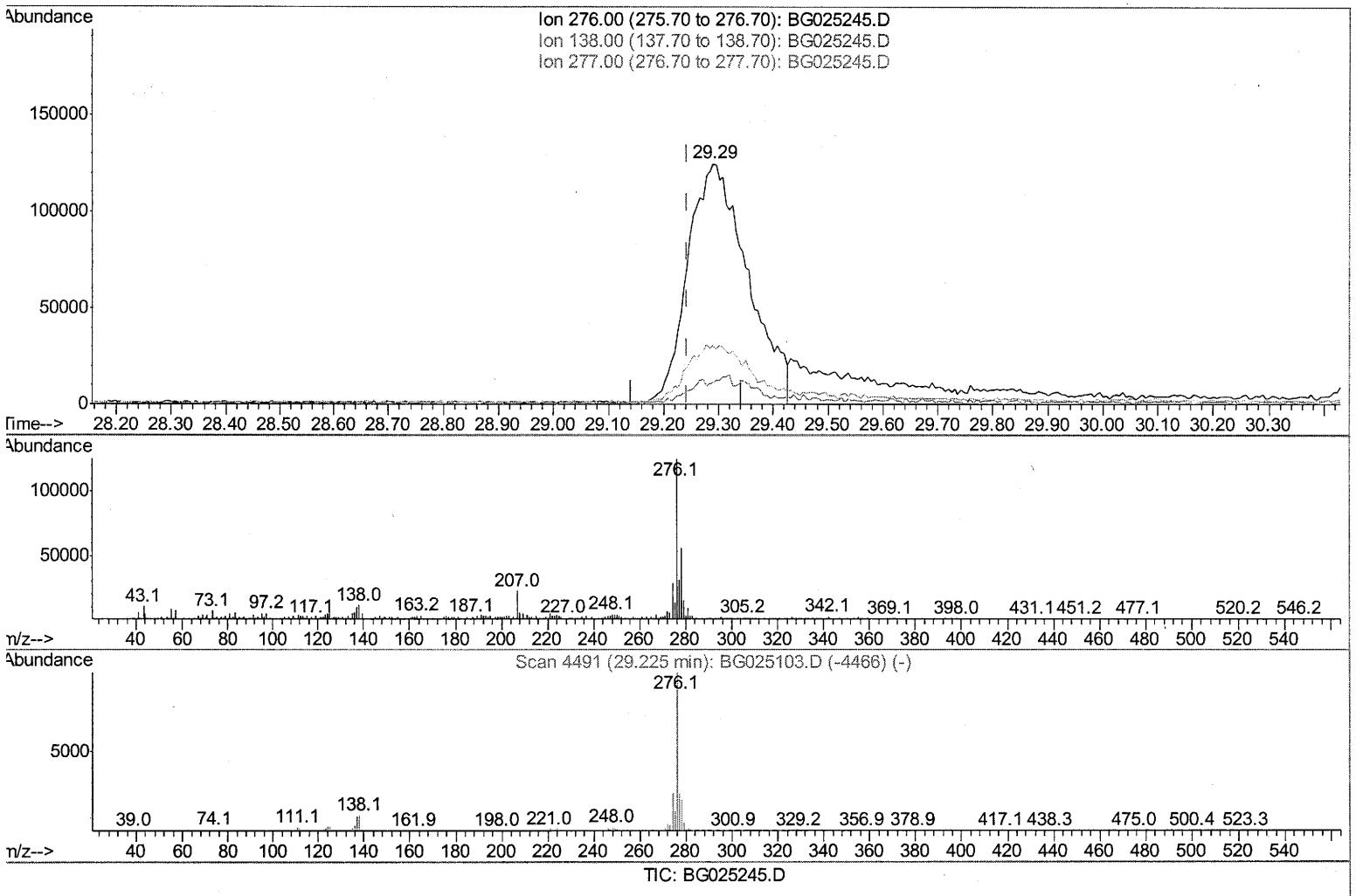

TIC: BG025245.D

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

29.290min (+0.047) 16.41ng/ul m

response 947255

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	8.95
277.00	23.30	24.65
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121516\
Data File : BG025245.D
Acq On : 16 Dec 2016 13:07
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 14:05:43 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
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QLast Update : Fri Dec 16 05:54:49 2016
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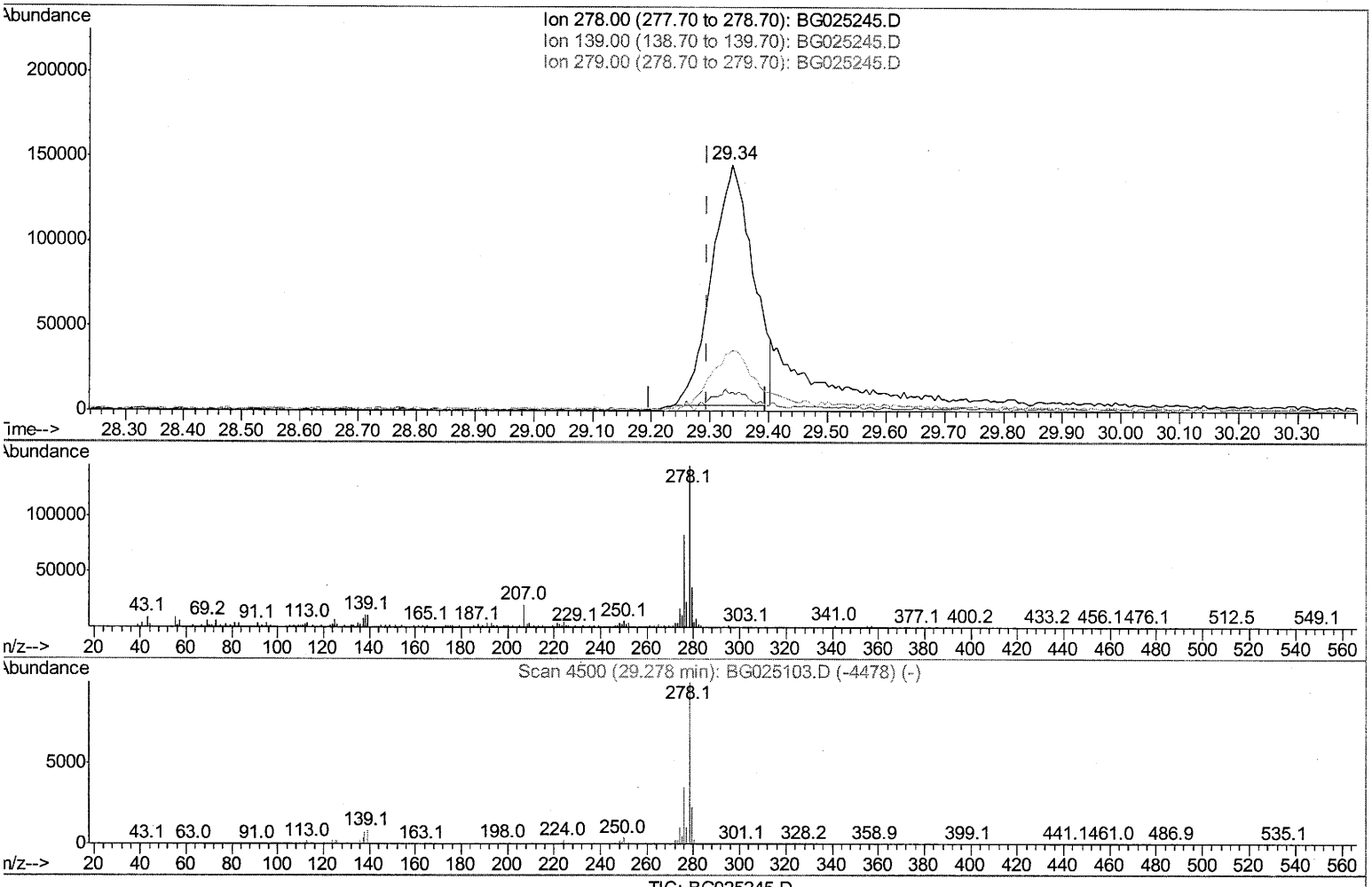
Instrument :
BNA_G
LabSampleId :
SSTD02012

Manual Integrations APPROVED
UMANGI
12/16/2016 6:21:33 PM



TIC: BG025245.D

(90) Dibenzo(a,h)anthracene

29.337min (+0.041) 14.22ng/ul

response 691196

Ion	Exp%	Act%
278.00	100	100
139.00	8.40	7.67
279.00	26.10	24.72
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121516\
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Acq On : 16 Dec 2016 13:07
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

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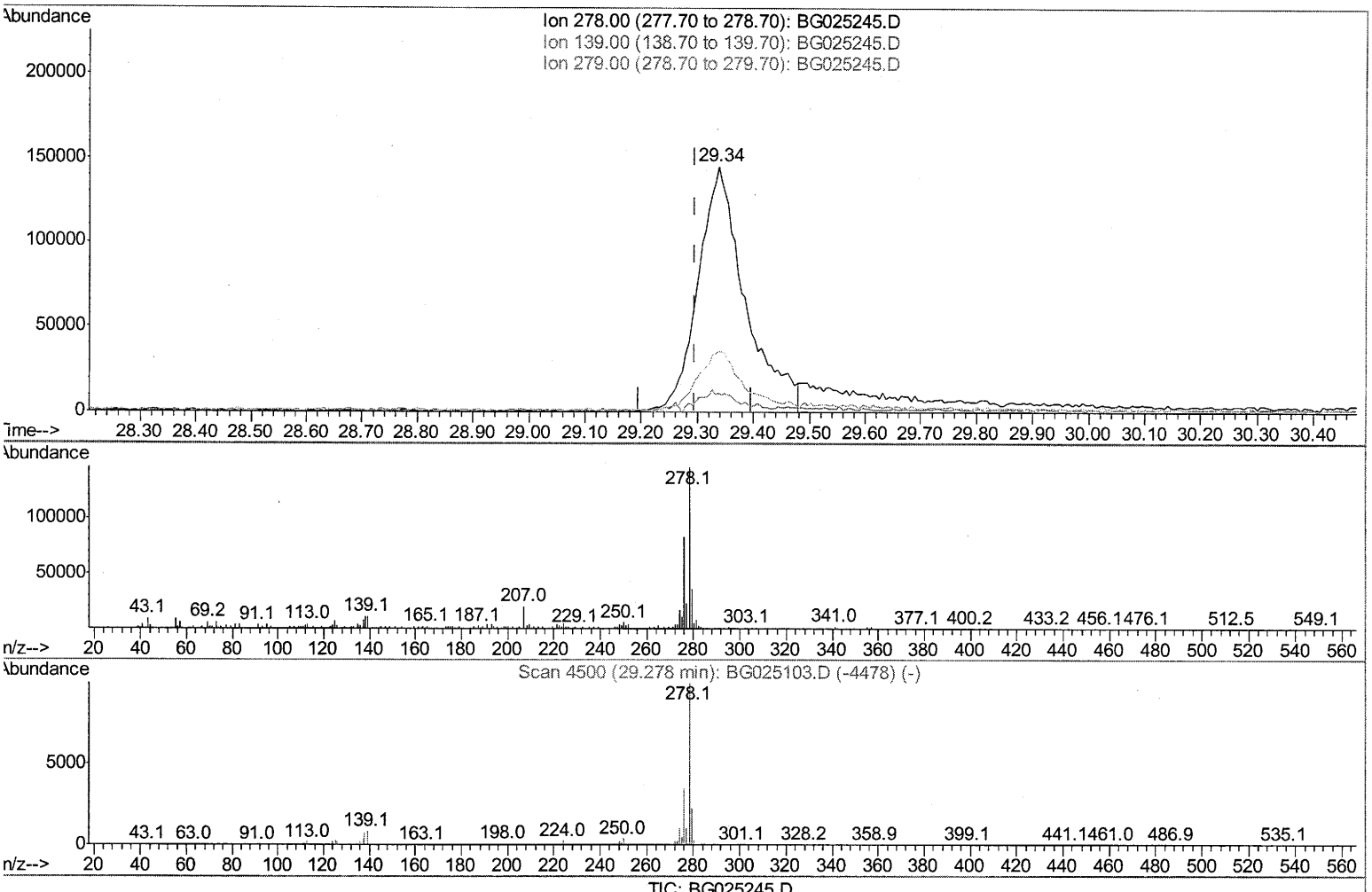
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02012

Manual Integrations APPROVED
UMANGI
12/16/2016 6:21:33 PM



TIC: BG025245.D

(90) Dibenzo(a,h)anthracene

29.337min (+0.041) 17.43ng/ul m

response 847433

Ion	Exp%	Act%
278.00	100	100
139.00	8.40	7.67
279.00	26.10	24.72
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121516\
Data File : BG025245.D
Acq On : 16 Dec 2016 13:07
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 16 14:05:43 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
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Instrument :
BNA_G
LabSampleId :
SSTD02012

Manual Integrations APPROVED
UMANGI
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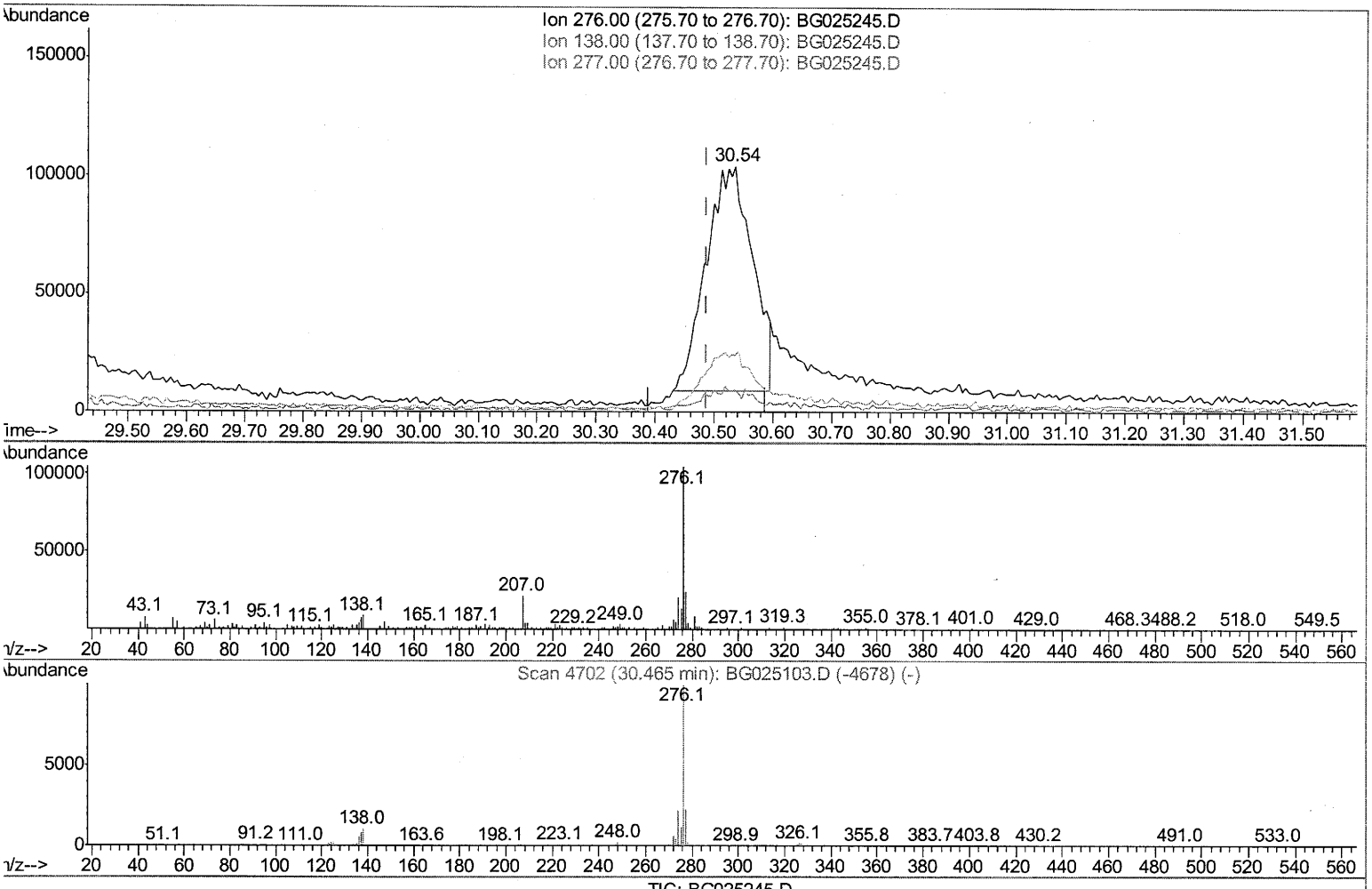

(91) Benzo(g,h,i)perylene

30.536min (+0.047) 10.86ng/ul

response 522981

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	8.94
277.00	22.00	23.39
0.00	0.00	0.00

Quantitation Report (Qedit)

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Sample : SSTDCCC020EC
Misc :
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Instrument :
BNA_G
LabSampleId :
SSTD02012

Manual Integrations APPROVED
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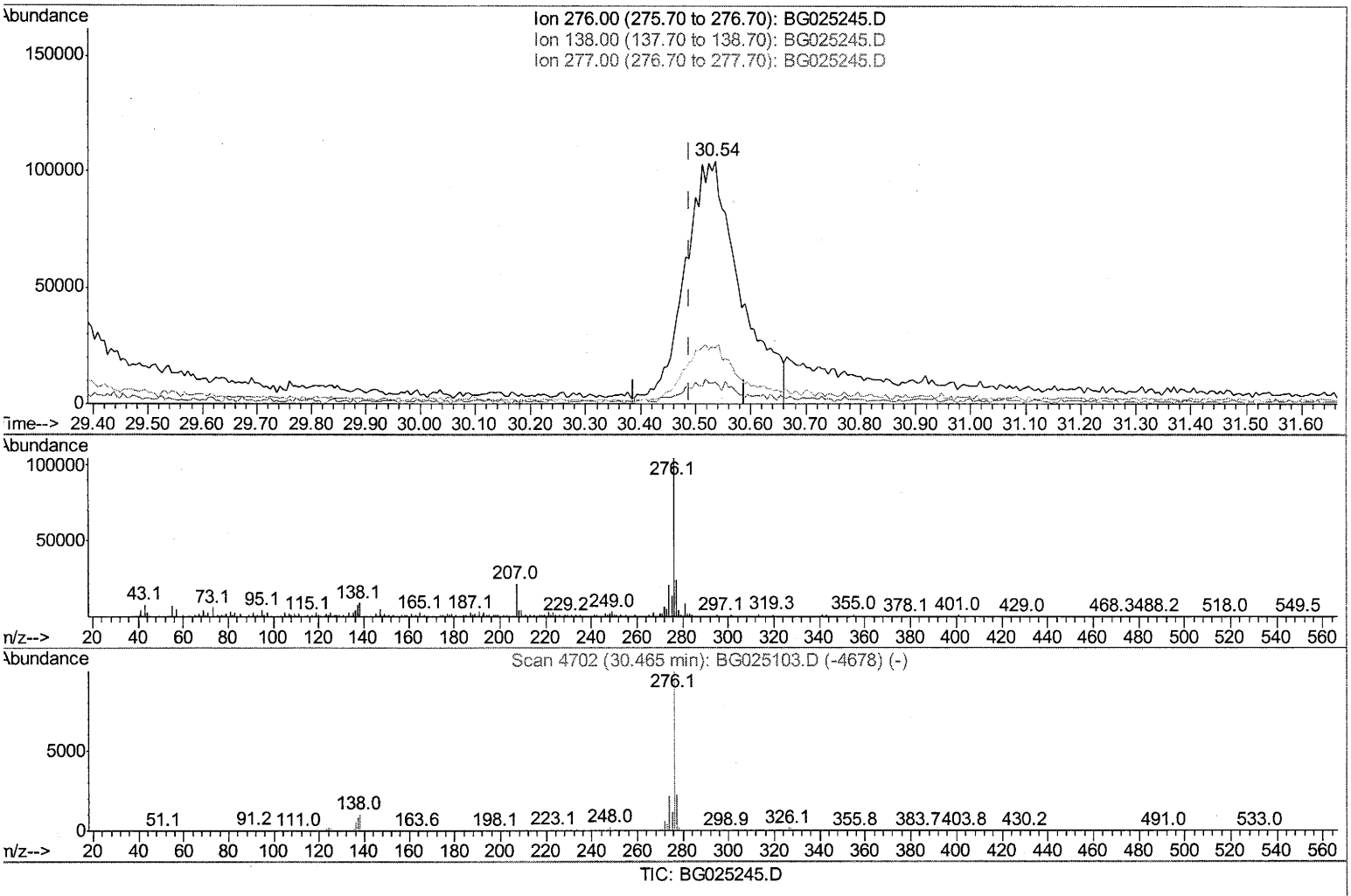

TIC: BG025245.D

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

30.536min (+0.047) 14.96ng/ul m

response 720583

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	8.94
277.00	22.00	23.39
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

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Data File : BG025245.D
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Instrument :
BNA_G
LabSampleId :
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Manual Integrations APPROVED
UMANGI
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	134931	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	585599	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.86	164	444066	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	915367	20.00	ng/ul	0.01
75) Chrysene-d12	21.90	240	1110529	20.00	ng/ul	0.01
83) Perylene-d12	25.33	264	973920	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.58	96	16606	6.36	ng/uL	0.00
5) Phenol-d5	7.40	99	231646	19.90	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.56	67	139680	19.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	168434	20.69	ng/ul	0.00
13) 4-Methylphenol-d8	8.96	113	199999	20.56	ng/ul	0.02
19) Nitrobenzene-d5	9.43	128	87213	21.03	ng/ul	0.01
22) 2-Nitrophenol-d4	10.14	143	102600	19.85	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	204163	20.53	ng/ul	0.01
29) 4-Chloroaniline-d4	11.21	131	229040	23.44	ng/ul	0.01
43) Dimethylphthalate-d6	14.26	166	588426	19.26	ng/ul	0.01
46) Acenaphthylene-d8	14.56	160	708534	21.18	ng/ul	0.00
51) 4-Nitrophenol-d4	15.09	143	100325	19.11	ng/ul	0.03
57) Fluorene-d10	15.85	176	553466	19.25	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.98	200	118419	20.92	ng/ul	0.01
70) Anthracene-d10	17.71	188	776125	20.09	ng/ul	0.01
76) Pyrene-d10	19.98	212	882685	19.30	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.09	264	857909	21.74	ng/ul	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.63	88	19887	5.84	ng/uL#	83
4) Benzaldehyde	7.37	77	175945	20.08	ng/ul	91
6) Phenol	7.43	94	245017	20.51	ng/ul	99
8) Bis(2-Chloroethyl)ether	7.65	93	166492	19.04	ng/ul	94
10) 2-Chlorophenol	7.80	128	166822	20.38	ng/ul	93
11) 2-Methylphenol	8.68	108	179408	20.39	ng/ul	99
12) 2,2'-oxybis(1-Chloropropan	8.77	45	308155	20.73	ng/ul	97
14) Acetophenone	9.07	105	284909	19.24	ng/ul	97
15) N-Nitroso-di-n-propylamine	9.04	70	164609	19.25	ng/ul	89
16) 4-Methylphenol	9.02	108	193097	19.73	ng/ul	96
17) Hexachloroethane	9.33	117	69371	19.13	ng/ul#	83
20) Nitrobenzene	9.47	77	264116	20.73	ng/ul	95
21) Isophorone	9.98	82	431563	17.90	ng/ul	99
23) 2-Nitrophenol	10.18	139	107669	20.53	ng/ul	94
24) 2,4-Dimethylphenol	10.22	107	247010	20.60	ng/ul	90
25) Bis(2-Chloroethoxy)methane	10.45	93	237765	19.35	ng/ul	95
27) 2,4-Dichlorophenol	10.72	162	198248	20.54	ng/ul	94
28) Naphthalene	11.12	128	539413	19.82	ng/ul	98
30) 4-Chloroaniline	11.23	127	227530	22.78	ng/ul	93
31) Hexachlorobutadiene	11.38	225	156506	18.86	ng/ul	94
32) Caprolactam	12.02	113	60383m	15.06	ng/ul	
33) 4-Chloro-3-methylphenol	12.35	107	231826	19.48	ng/ul	98
34) 2-Methylnaphthalene	12.70	142	422085	19.65	ng/ul	93

UM 12/16/16

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QLast Update : Fri Dec 16 05:54:49 2016
Response via : Initial Calibration

Instrument : BNA_G
LabSampleId : SSTD02012

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.07	216	299729	22.39 ng/ul#	91
37) Hexachlorocyclopentadiene	13.03	237	107337	13.66 ng/ul#	95
38) 2,4,6-Trichlorophenol	13.31	196	185509	22.06 ng/ul	89
39) 2,4,5-Trichlorophenol	13.39	196	204762	22.22 ng/ul	98
40) 1,1'-Biphenyl	13.70	154	578063	21.47 ng/ul	99
41) 2-Chloronaphthalene	13.75	162	462700	21.59 ng/ul	95
42) 2-Nitroaniline	13.96	65	185383	22.10 ng/ul	94
44) Dimethylphthalate	14.30	163	571454	19.04 ng/ul	98
45) 2,6-Dinitrotoluene	14.45	165	126829	19.66 ng/ul	96
47) Acenaphthylene	14.59	152	671432	20.64 ng/ul	98
48) 3-Nitroaniline	14.78	138	117289	21.00 ng/ul#	89
49) Acenaphthene	14.93	153	465920	20.91 ng/ul	98
50) 2,4-Dinitrophenol	15.00	184	85179	20.32 ng/ul#	83
52) 4-Nitrophenol	15.11	109	131899	20.89 ng/ul	92
53) Dibenzofuran	15.26	168	709675	20.14 ng/ul	99
54) 2,4-Dinitrotoluene	15.24	165	180721	18.59 ng/ul	99
55) 2,3,4,6-Tetrachlorophenol	15.49	232	193203	19.84 ng/ul#	95
56) Diethylphthalate	15.65	149	563335	17.72 ng/ul	97
58) Fluorene	15.91	166	555447	19.36 ng/ul	98
59) 4-Chlorophenyl-phenylether	15.89	204	312084	19.32 ng/ul#	84
60) 4-Nitroaniline	15.95	138	119204	17.69 ng/ul	95
63) 4,6-Dinitro-2-methylphenol	16.00	198	124252	21.19 ng/ul#	97
64) N-Nitrosodiphenylamine	16.11	169	503806	21.39 ng/ul	96
65) 4-Bromophenyl-phenylether	16.78	248	222301	21.50 ng/ul	94
66) Hexachlorobenzene	16.91	284	252249	21.67 ng/ul	97
67) Atrazine	17.05	200	211118	18.86 ng/ul	95
68) Pentachlorophenol	17.26	266	150579	21.54 ng/ul	96
69) Phenanthrene	17.65	178	878124	20.10 ng/ul	100
71) Anthracene	17.74	178	901497	20.07 ng/ul	99
72) Carbazole	18.02	167	768093	20.50 ng/ul	98
73) Di-n-butylphthalate	18.53	149	893159	18.88 ng/ul	99
74) Fluoranthene	19.65	202	1036800	19.97 ng/ul	98
77) Pyrene	20.01	202	1045142	19.58 ng/ul	96
78) Butylbenzylphthalate	20.86	149	405003	19.38 ng/ul	95
79) 3,3'-Dichlorobenzidine	21.79	252	416750	21.53 ng/ul	97
80) Benzo(a)anthracene	21.88	228	1153983	20.00 ng/ul	95
81) Bis(2-ethylhexyl)phthalate	21.72	149	557557	19.38 ng/ul	99
82) Chrysene	21.95	228	1080950	20.03 ng/ul	98
84) Di-n-octyl phthalate	22.99	149	966667	24.45 ng/ul	100
85) Benzo(b)fluoranthene	24.23	252	1045683	21.65 ng/ul	95
86) Benzo(k)fluoranthene	24.30	252	1029911	22.43 ng/ul	99
88) Benzo(a)pyrene	25.18	252	1007001	21.69 ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	29.29	276	947255m	16.41 ng/ul	
90) Dibenzo(a,h)anthracene	29.34	278	847433m	17.43 ng/ul	
91) Benzo(g,h,i)perylene	30.54	276	720583m	14.96 ng/ul	

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

SJM 12/16/16