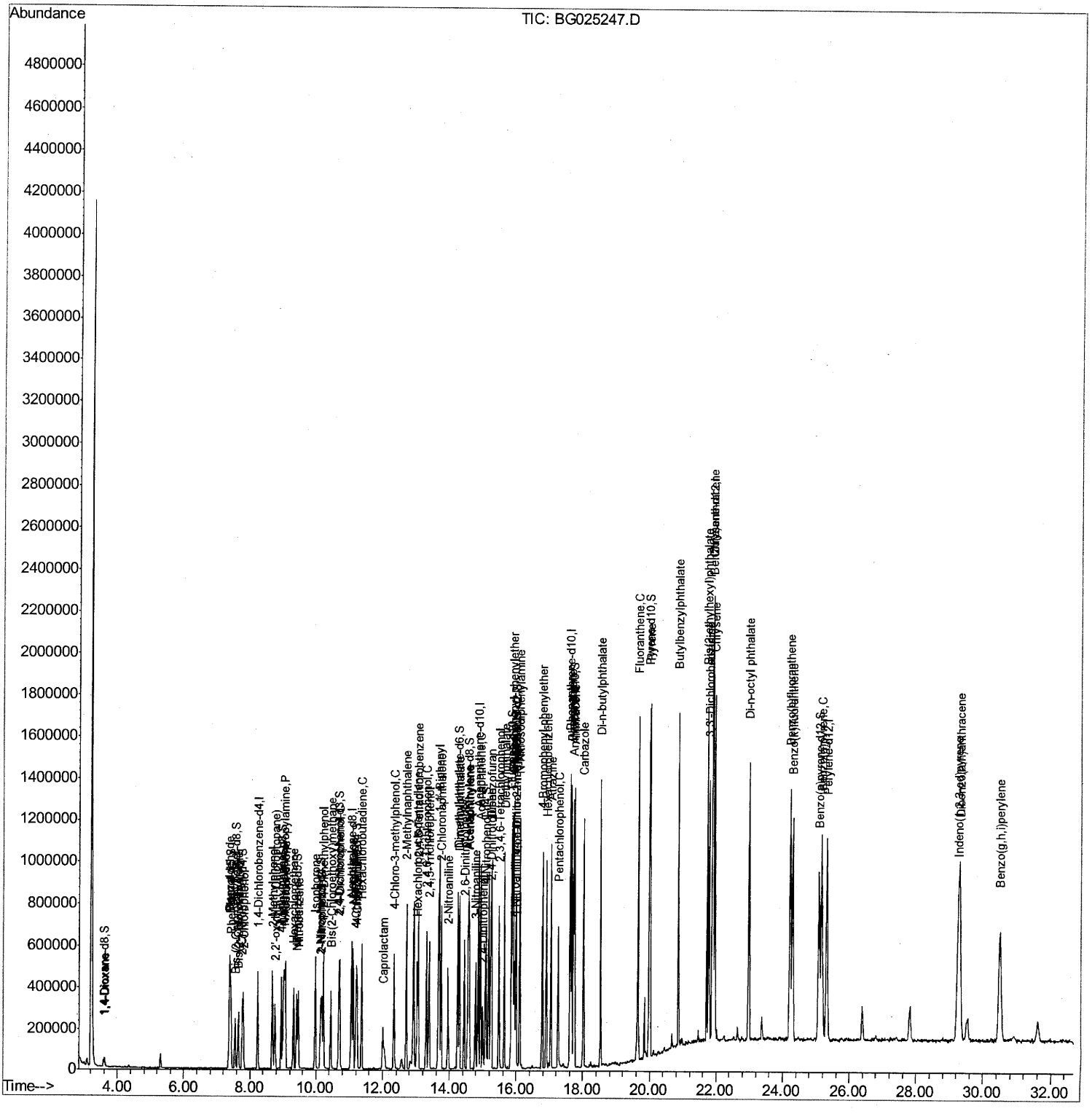
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121616\
Data File : BG025247.D
Acq On : 16 Dec 2016 20:36
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Dec 17 00:23:45 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 :
SSTD02013

Manual Integrations APPROVED
umangi
12/20/2016 10:48:13 AM



Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121616\
Data File : BG025247.D
Acq On : 16 Dec 2016 20:36
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Dec 17 00:20:10 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 :
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LabSampleId :
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Manual Integrations APPROVED
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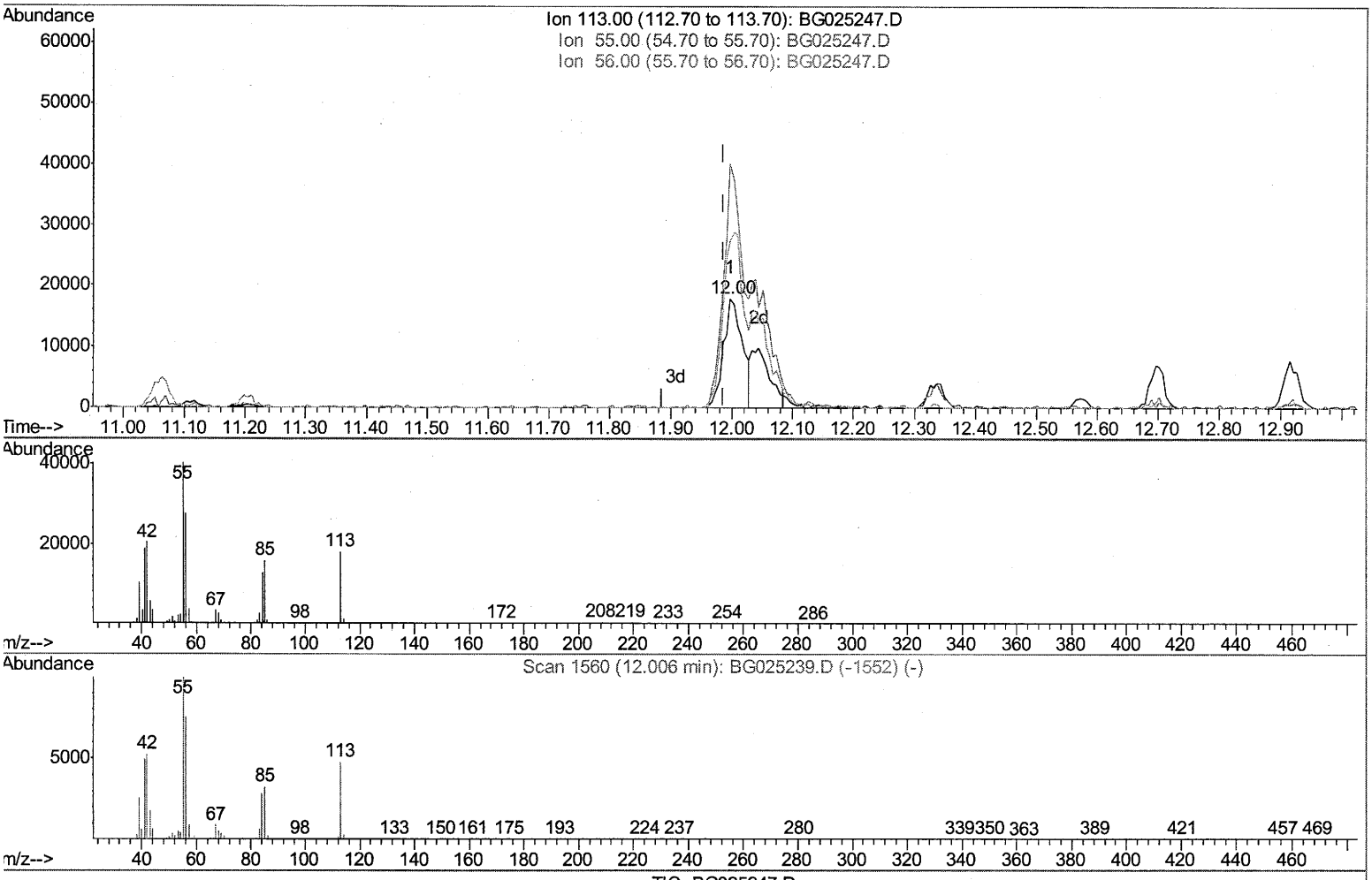

TIC: BG025247.D

(32) Caprolactam

11.997min (+0.010) 11.34ng/ul

response 38218

Ion	Exp%	Act%
113.00	100	100
55.00	210.70	223.47
56.00	160.60	152.74
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121616\
Data File : BG025247.D
Acq On : 16 Dec 2016 20:36
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
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Quant Time: Dec 17 00:20:10 2016
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Instrument :
BNA_G
LabSampleId :
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Manual Integrations APPROVED
umangi
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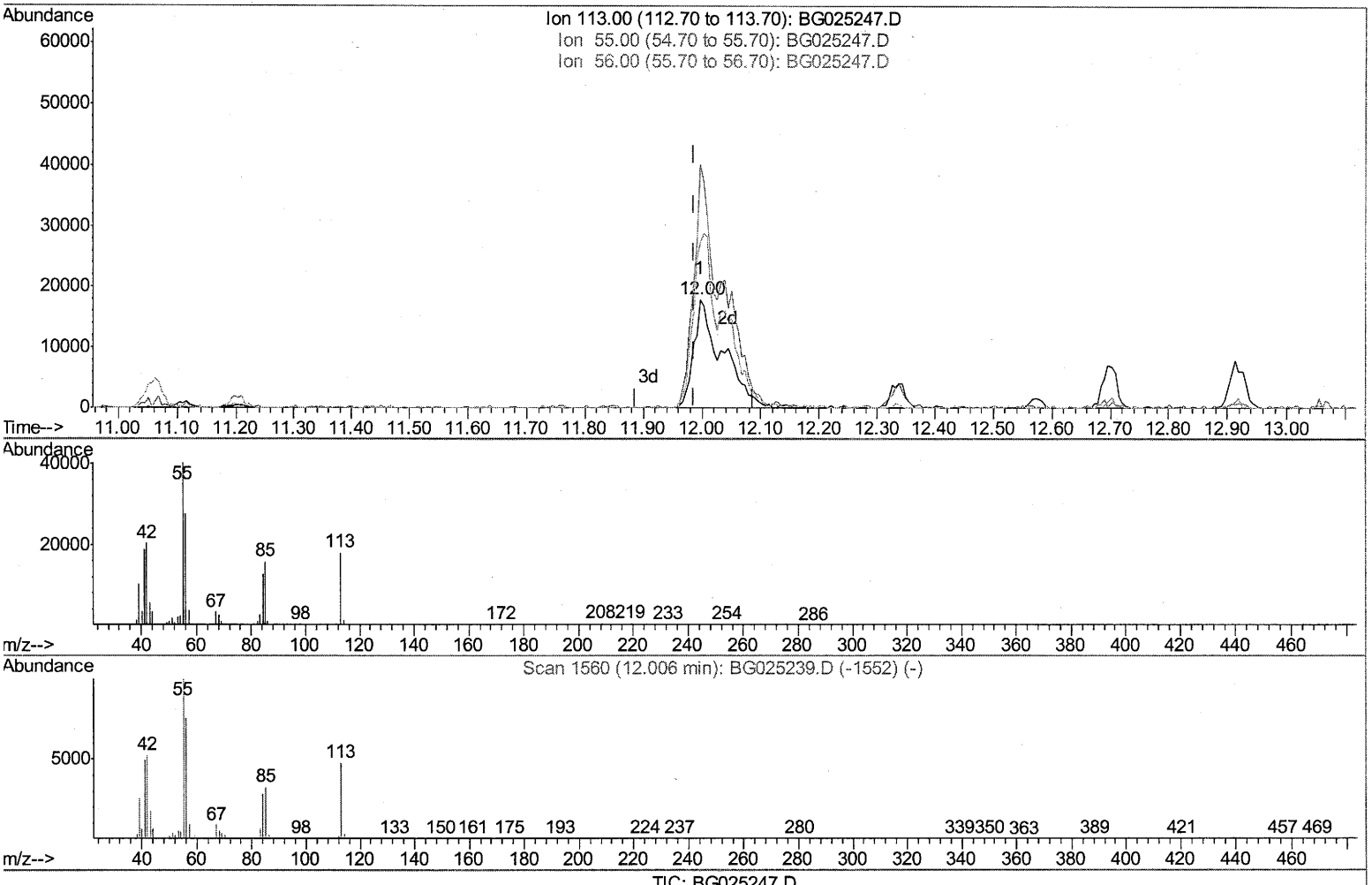

TIC: BG025247.D

(32) Caprolactam

11.997min (+0.010) 18.05ng/ul m

UM 12/17/16

response 60847

Ion	Exp%	Act%
113.00	100	100
55.00	210.70	223.47
56.00	160.60	152.74
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121616\
Data File : BG025247.D
Acq On : 16 Dec 2016 20:36
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Dec 17 00:20:10 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 :
SSTD02013

Manual Integrations APPROVED
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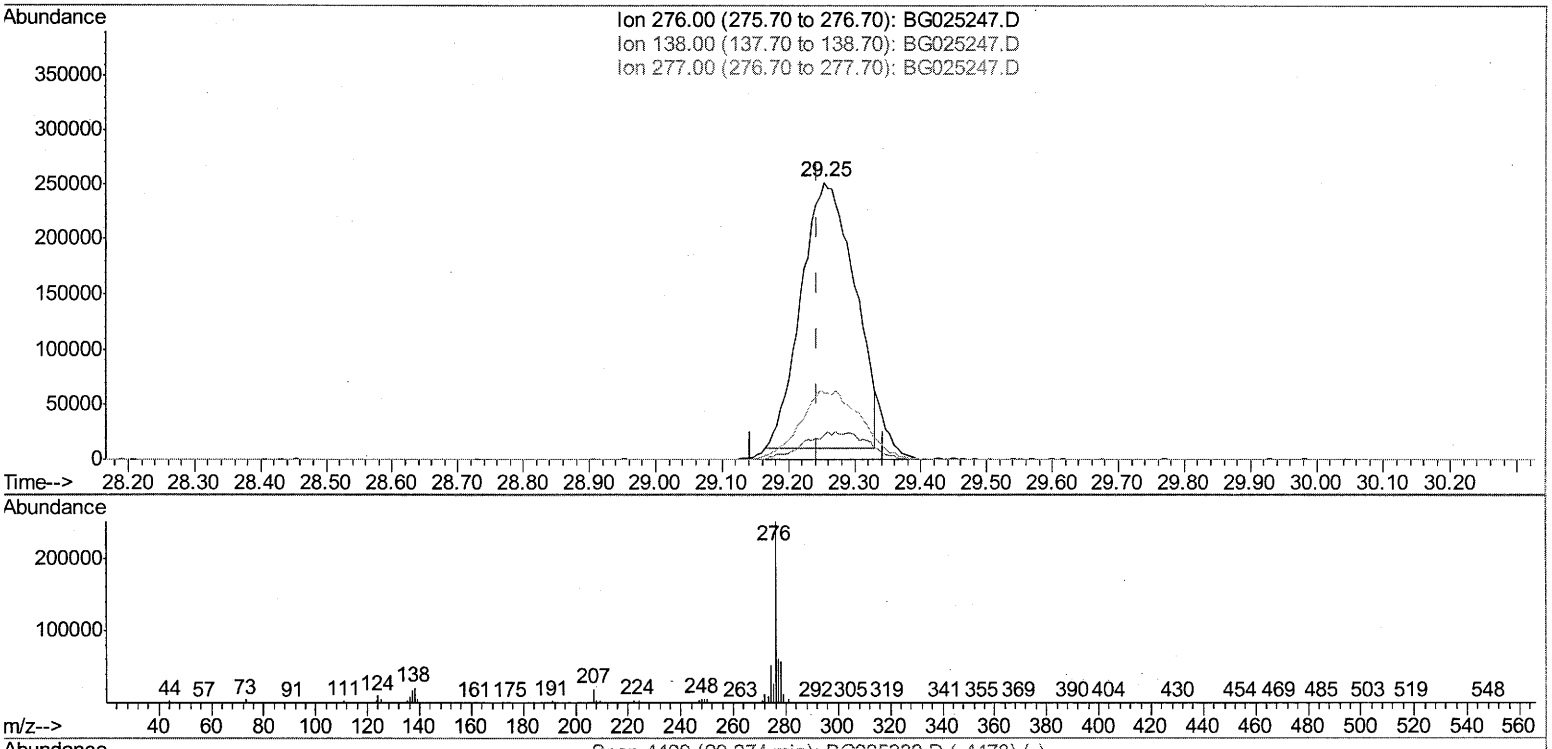

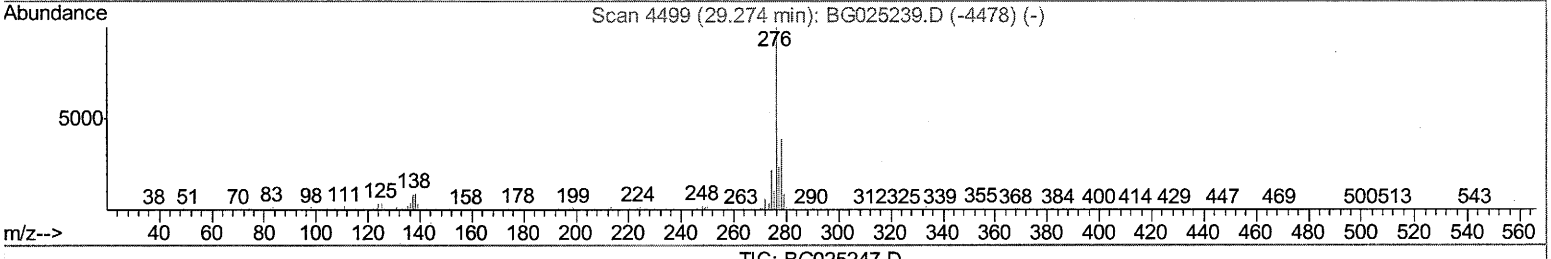

TIC: BG025247.D

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

29.253min (+0.010) 18.76ng/ul

response 1350642

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	8.57
277.00	23.30	23.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121616\
Data File : BG025247.D
Acq On : 16 Dec 2016 20:36
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Dec 17 00:20:10 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 :
SSTD02013

Manual Integrations APPROVED
umangi
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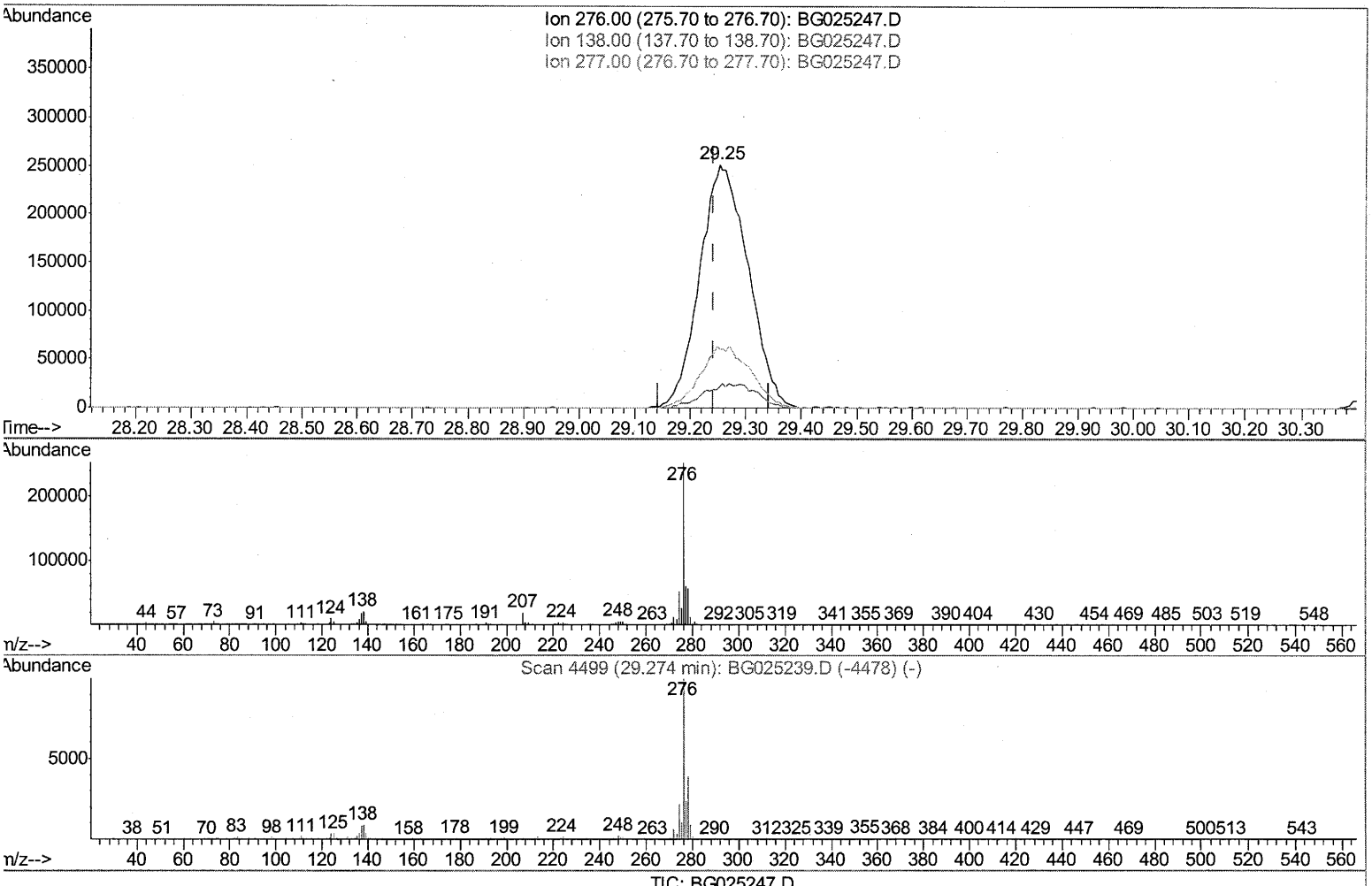

TIC: BG025247.D

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

29.253min (+0.010) 21.16ng/ul m

response 1523498

OM
12/17/16

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	8.57
277.00	23.30	23.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121616\
Data File : BG025247.D
Acq On : 16 Dec 2016 20:36
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Dec 17 00:20:10 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 :
SSTD02013

Manual Integrations APPROVED
umangi
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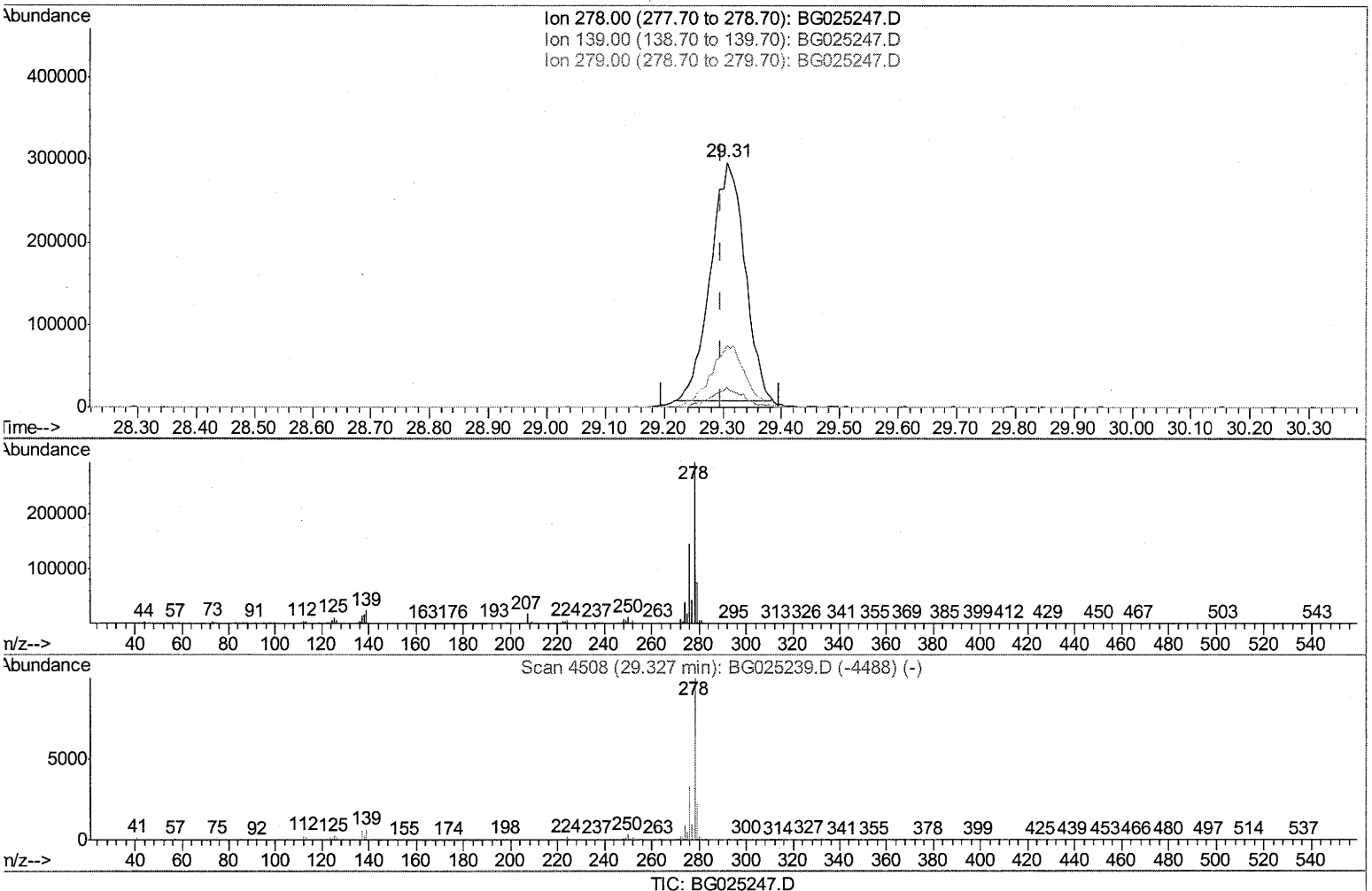

TIC: BG025247.D

(90) Dibenzo(a,h)anthracene

29.306min (+0.010) 19.24ng/ul

response 1167270

Ion	Exp%	Act%
278.00	100	100
139.00	8.40	8.14
279.00	26.10	25.43
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121616\
Data File : BG025247.D
Acq On : 16 Dec 2016 20:36
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Dec 17 00:20:10 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
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02013

Manual Integrations APPROVED
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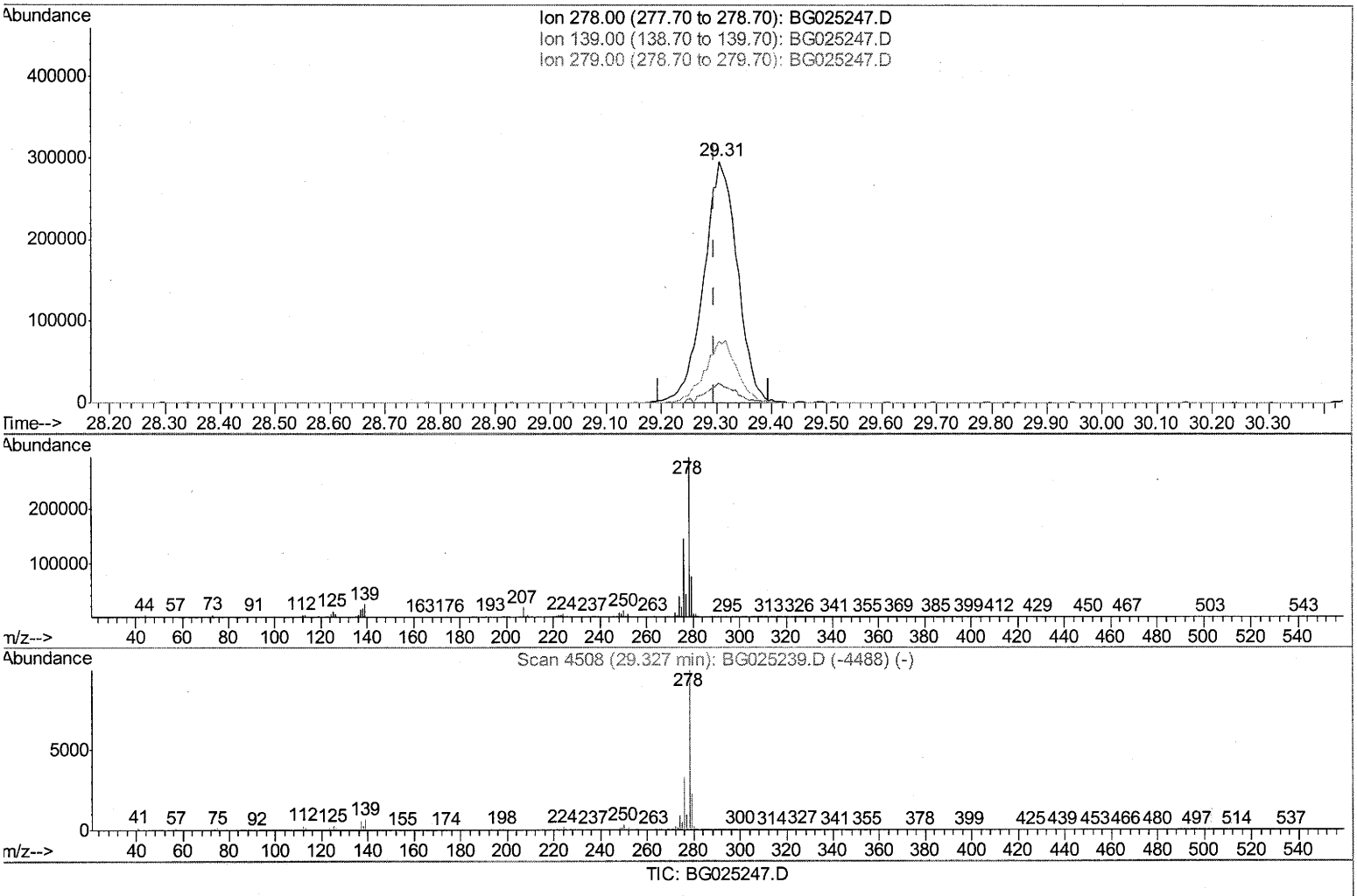

TIC: BG025247.D

(90) Dibenzo(a,h)anthracene

29.306min (+0.010) 20.88ng/ul m

response 1267135

UM
12/17/16

Ion	Exp%	Act%
278.00	100	100
139.00	8.40	8.14
279.00	26.10	25.43
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121616\
Data File : BG025247.D
Acq On : 16 Dec 2016 20:36
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Dec 17 00:20:10 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
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02013

Manual Integrations APPROVED
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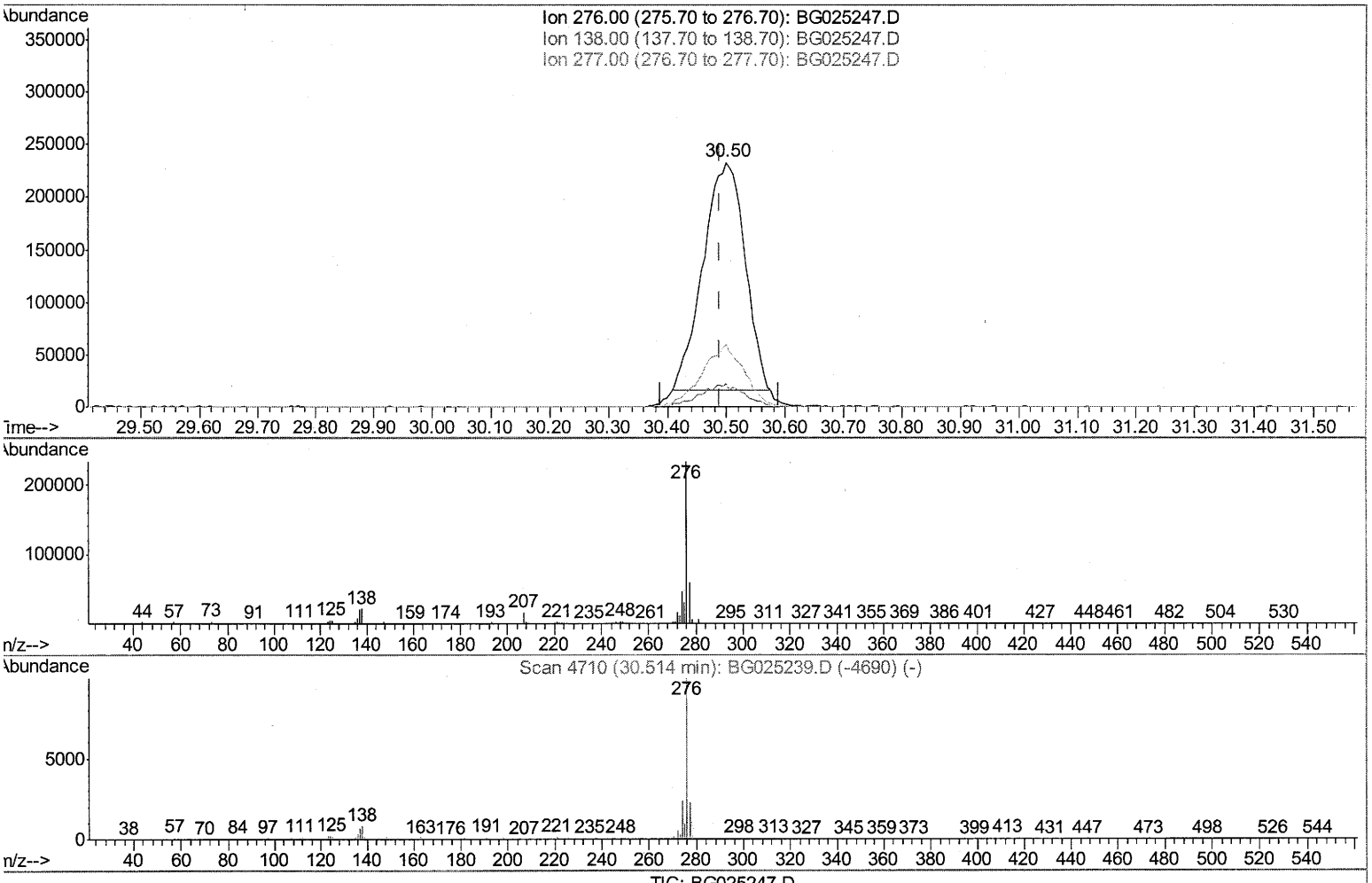

TIC: BG025247.D

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

30.499min (+0.010) 17.86ng/ul

response 1073493

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	9.54
277.00	22.00	25.74
0.00	0.00	0.00

Quantitation Report (Qedit)

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Instrument :
BNA_G
LabSampleId :
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Manual Integrations APPROVED
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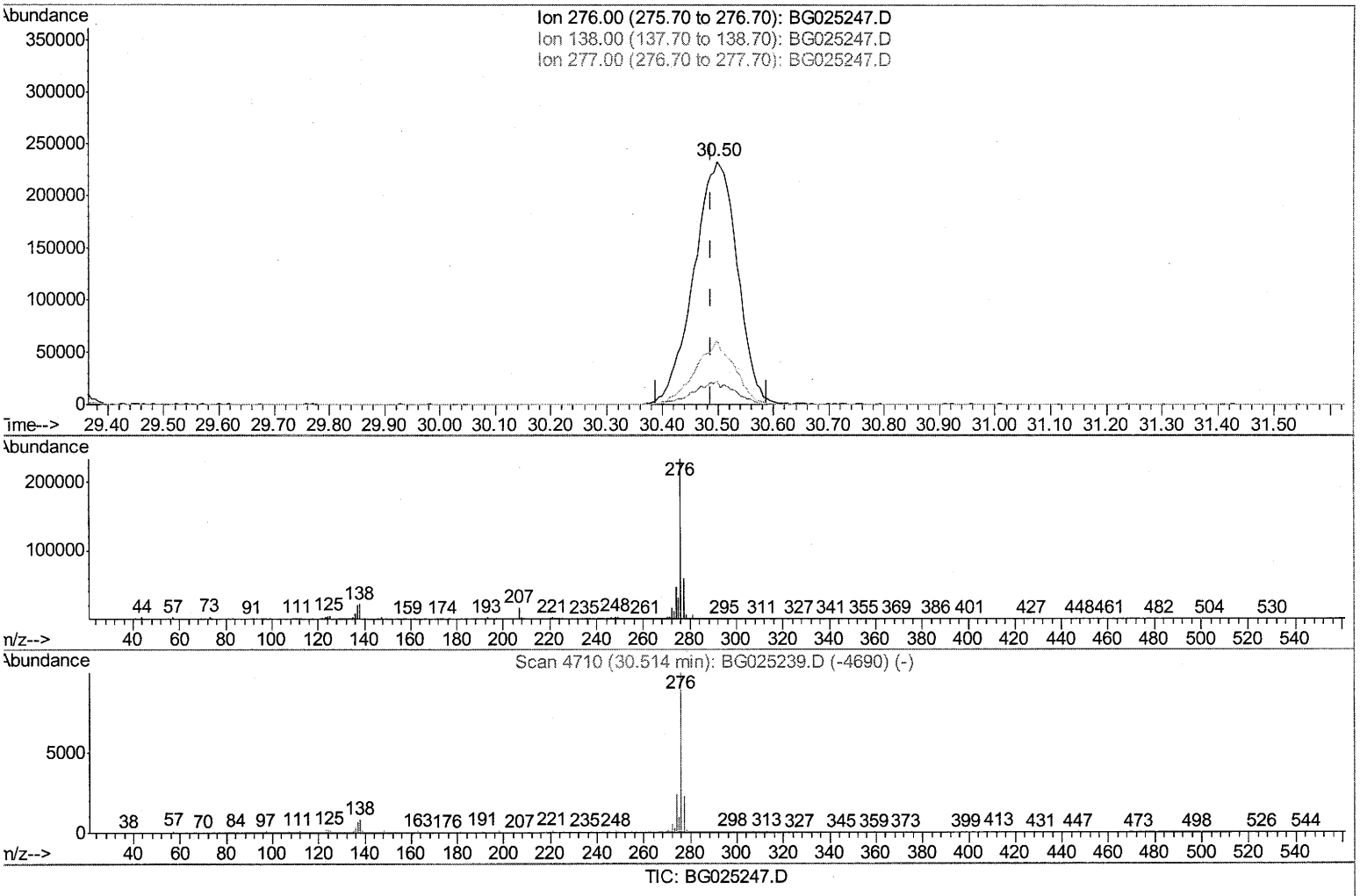

TIC: BG025247.D

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

30.499min (+0.010) 20.89ng/ul m Um

response 1255573 12117/16

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	9.54
277.00	22.00	25.74
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121616\
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Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
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Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	116199	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	492465	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	389331	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	868095	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	1155799	20.00	ng/ul	0.00
83) Perylene-d12	25.32	264	1215360	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.58	96	17403	7.74	ng/uL	0.00
5) Phenol-d5	7.39	99	200238	19.97	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.55	67	125847	20.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.76	132	139318	19.87	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	160998	19.22	ng/ul	0.01
19) Nitrobenzene-d5	9.41	128	71904	20.62	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	87861	20.21	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	173723	20.78	ng/ul	0.00
29) 4-Chloroaniline-d4	11.20	131	186716	22.72	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	531390	19.84	ng/ul	0.00
46) Acenaphthylene-d8	14.55	160	596674	20.34	ng/ul	0.00
51) 4-Nitrophenol-d4	15.08	143	88675	19.27	ng/ul	0.02
57) Fluorene-d10	15.85	176	497931	19.75	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	116666	21.74	ng/ul	0.00
70) Anthracene-d10	17.70	188	746810	20.38	ng/ul	0.00
76) Pyrene-d10	19.98	212	934705	19.63	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.08	264	1023065	20.78	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.62	88	20372	6.95	ng/uL	90
4) Benzaldehyde	7.37	77	157024	20.81	ng/ul	94
6) Phenol	7.42	94	203789	19.81	ng/ul	97
8) Bis(2-Chloroethyl)ether	7.64	93	144258	19.16	ng/ul	98
10) 2-Chlorophenol	7.80	128	142390	20.20	ng/ul#	85
11) 2-Methylphenol	8.68	108	147068	19.41	ng/ul	96
12) 2,2'-oxybis(1-Chloropropan	8.76	45	253653	19.81	ng/ul	98
14) Acetophenone	9.06	105	245834	19.28	ng/ul	95
15) N-Nitroso-di-n-propylamine	9.04	70	149138	20.25	ng/ul	94
16) 4-Methylphenol	9.01	108	168045	19.94	ng/ul	86
17) Hexachloroethane	9.32	117	69162	22.15	ng/ul	87
20) Nitrobenzene	9.46	77	222331	20.75	ng/ul	98
21) Isophorone	9.98	82	397516	19.60	ng/ul	97
23) 2-Nitrophenol	10.17	139	91041	20.64	ng/ul#	83
24) 2,4-Dimethylphenol	10.22	107	204709	20.30	ng/ul	97
25) Bis(2-Chloroethoxy)methane	10.45	93	209209	20.24	ng/ul	91
27) 2,4-Dichlorophenol	10.71	162	165779	20.42	ng/ul	94
28) Naphthalene	11.11	128	459635	20.08	ng/ul	99
30) 4-Chloroaniline	11.23	127	184304	21.94	ng/ul	97
31) Hexachlorobutadiene	11.37	225	148970	21.35	ng/ul	89
32) Caprolactam	12.00	113	60847m	18.05	ng/ul	
33) 4-Chloro-3-methylphenol	12.34	107	187808	18.77	ng/ul	99
34) 2-Methylnaphthalene	12.70	142	356611	19.74	ng/ul	93

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Quantitation Report (QT Reviewed)

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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 : SSTD02013

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.06	216	252984	21.56	ng/ul	96
37) Hexachlorocyclopentadiene	13.02	237	159733	23.19	ng/ul	98
38) 2,4,6-Trichlorophenol	13.30	196	157002	21.30	ng/ul	85
39) 2,4,5-Trichlorophenol	13.38	196	171405	21.22	ng/ul	98
40) 1,1'-Biphenyl	13.69	154	490402	20.78	ng/ul	99
41) 2-Chloronaphthalene	13.74	162	387561	20.63	ng/ul	98
42) 2-Nitroaniline	13.95	65	157180	21.37	ng/ul	98
44) Dimethylphthalate	14.30	163	521153	19.80	ng/ul	97
45) 2,6-Dinitrotoluene	14.44	165	115620	20.44	ng/ul#	93
47) Acenaphthylene	14.58	152	573104	20.10	ng/ul	98
48) 3-Nitroaniline	14.78	138	106957	21.84	ng/ul#	86
49) Acenaphthene	14.92	153	400967	20.52	ng/ul	99
50) 2,4-Dinitrophenol	14.99	184	72081	19.62	ng/ul	90
52) 4-Nitrophenol	15.09	109	113858	20.57	ng/ul	94
53) Dibenzofuran	15.25	168	613377	19.85	ng/ul	97
54) 2,4-Dinitrotoluene	15.23	165	165999	19.48	ng/ul#	100
55) 2,3,4,6-Tetrachlorophenol	15.48	232	167889	19.67	ng/ul#	96
56) Diethylphthalate	15.65	149	543115	19.49	ng/ul	98
58) Fluorene	15.90	166	502458	19.97	ng/ul	96
59) 4-Chlorophenyl-phenylether	15.88	204	275498	19.45	ng/ul	89
60) 4-Nitroaniline	15.94	138	110946	18.78	ng/ul	93
63) 4,6-Dinitro-2-methylphenol	15.99	198	126657	22.78	ng/ul#	99
64) N-Nitrosodiphenylamine	16.10	169	456492	20.44	ng/ul	94
65) 4-Bromophenyl-phenylether	16.77	248	206610	21.07	ng/ul	92
66) Hexachlorobenzene	16.90	284	236364	21.41	ng/ul	97
67) Atrazine	17.04	200	216909	20.43	ng/ul	98
68) Pentachlorophenol	17.25	266	141644	21.37	ng/ul	98
69) Phenanthrene	17.64	178	848204	20.47	ng/ul	96
71) Anthracene	17.74	178	868182	20.38	ng/ul	98
72) Carbazole	18.01	167	749880	21.10	ng/ul	98
73) Di-n-butylphthalate	18.52	149	934762	20.83	ng/ul	99
74) Fluoranthene	19.64	202	1076642	21.87	ng/ul	97
77) Pyrene	20.00	202	1082351	19.48	ng/ul	98
78) Butylbenzylphthalate	20.85	149	454591	20.90	ng/ul	97
79) 3,3'-Dichlorobenzidine	21.78	252	469810	23.32	ng/ul	94
80) Benzo(a)anthracene	21.87	228	1220382	20.32	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.72	149	649023	21.68	ng/ul	97
82) Chrysene	21.94	228	1137789	20.26	ng/ul	99
84) Di-n-octyl phthalate	22.98	149	1091331	22.12	ng/ul	100
85) Benzo(b)fluoranthene	24.22	252	1249137	20.73	ng/ul	97
86) Benzo(k)fluoranthene	24.29	252	1182249	20.64	ng/ul	98
88) Benzo(a)pyrene	25.16	252	1198421	20.68	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	29.25	276	1523498m	21.16	ng/ul	
90) Dibenzo(a,h)anthracene	29.31	278	1267135m	20.88	ng/ul	
91) Benzo(g,h,i)perylene	30.50	276	1255573m	20.89	ng/ul	

UM 12/17/16

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