Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121416\
Data File : BG025177.D
Acq On : 14 Dec 2016 15:35
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 15 03:58:28 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 03:32:07 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02006

Manual Integrations APPROVED
sohil
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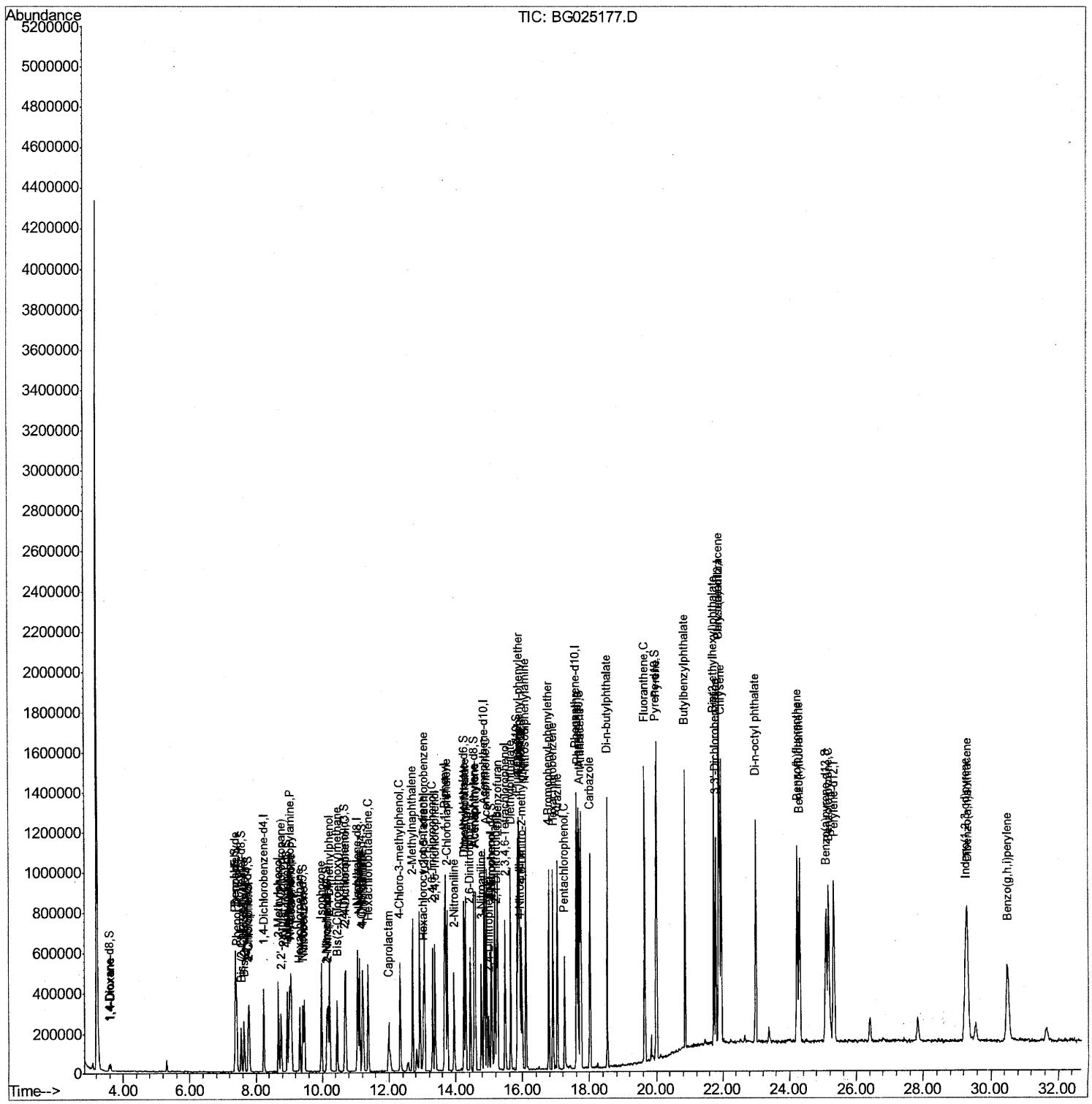

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121416\
Data File : BG025177.D
Acq On : 14 Dec 2016 15:35
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 15 03:36:14 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 03:32:07 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02006

Manual Integrations APPROVED
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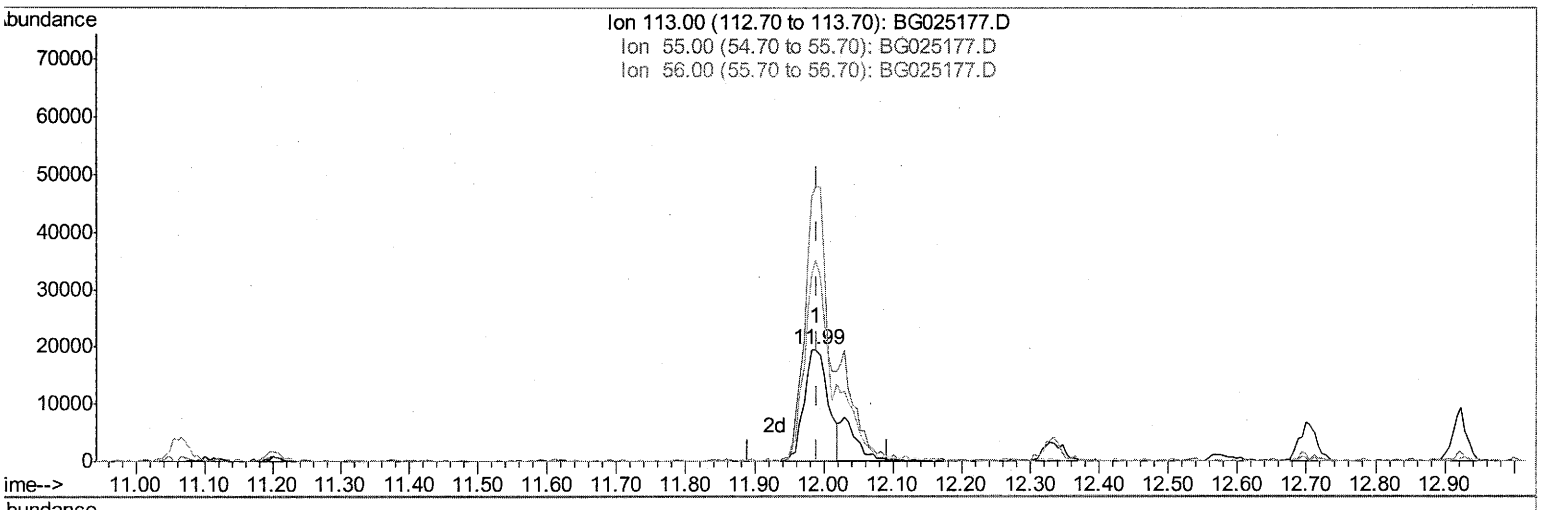

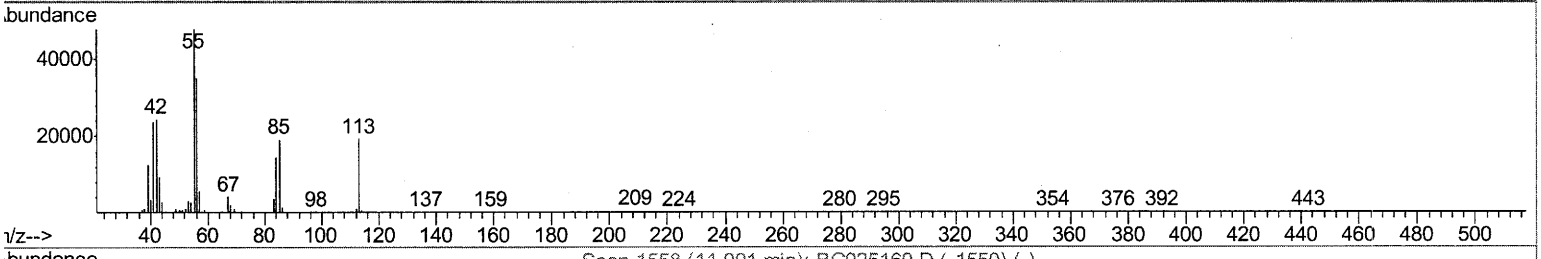

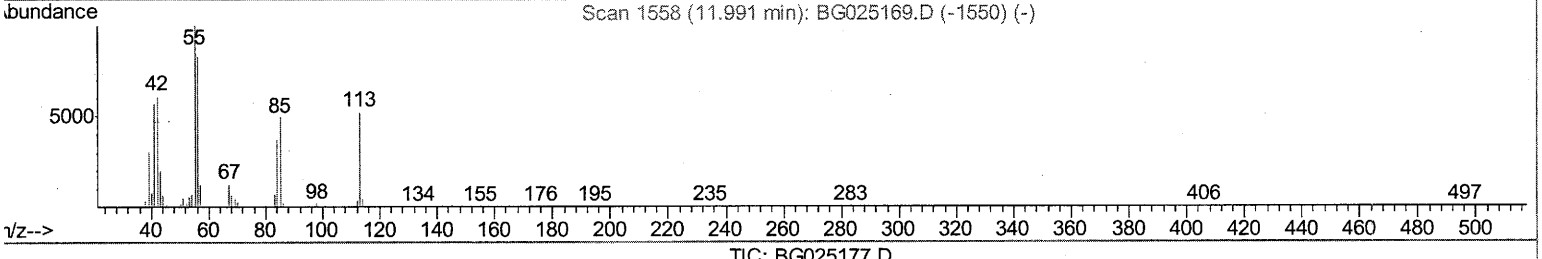

TIC: BG025177.D

(32) Caprolactam

11.989min (-0.003) 14.30ng/ul

response 46567

Ion	Exp%	Act%
113.00	100	100
55.00	210.70	246.51
56.00	160.60	180.36
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121416\
Data File : BG025177.D
Acq On : 14 Dec 2016 15:35
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 15 03:36:14 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 03:32:07 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02006

Manual Integrations APPROVED
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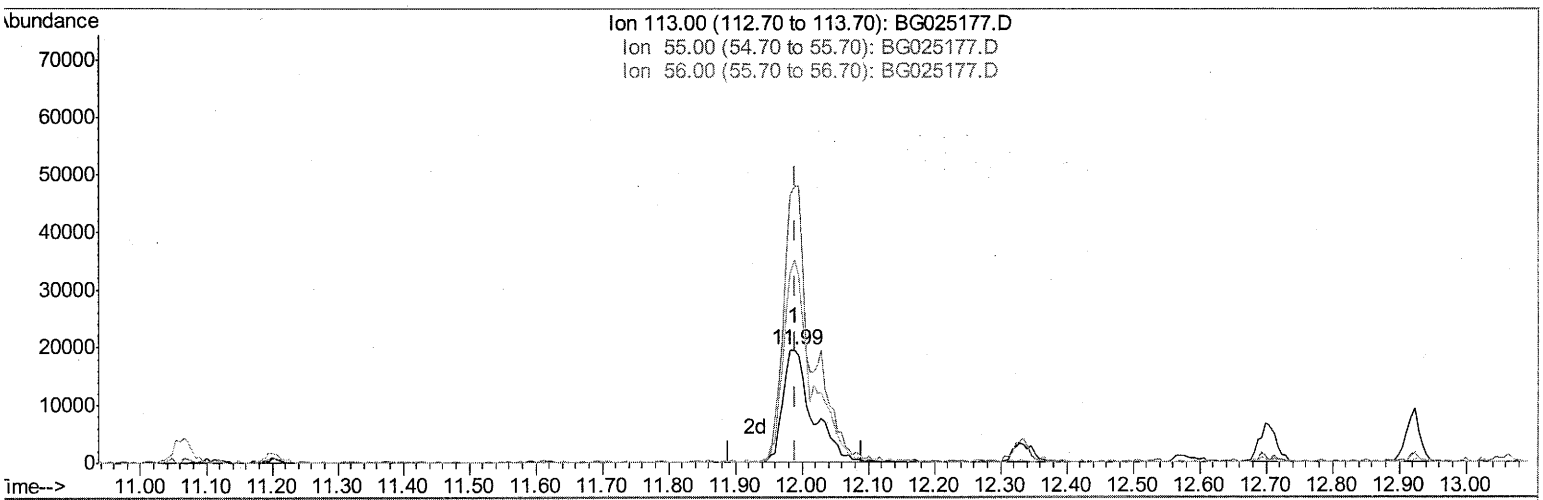

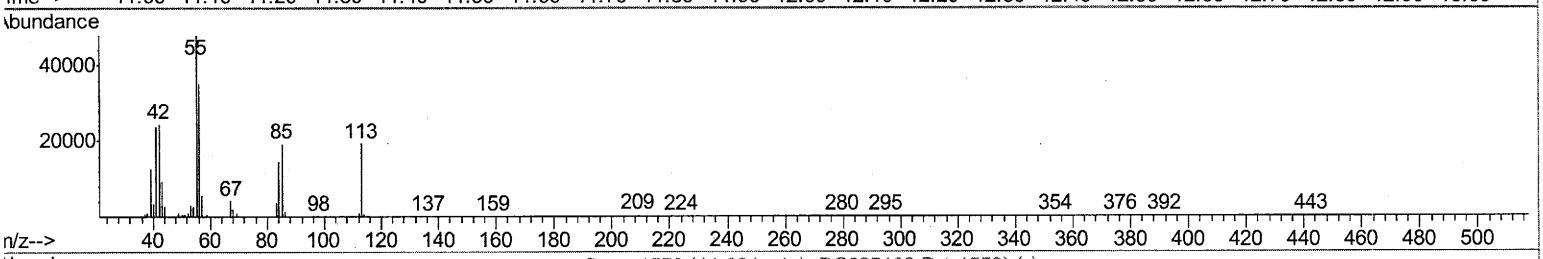

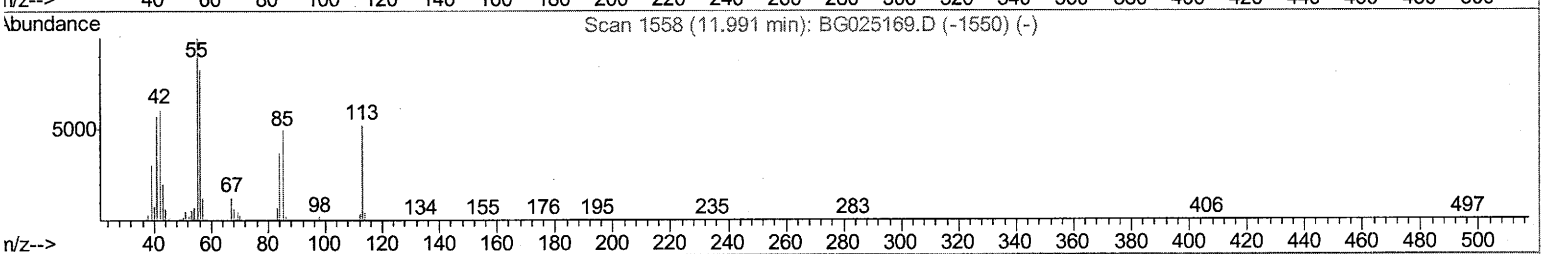

TIC: BG025177.D

(32) Caprolactam

11.989min (-0.003) 18.38ng/ul m

response 59864

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Ion	Exp%	Act%
113.00	100	100
55.00	210.70	246.51
56.00	160.60	180.36
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121416\
Data File : BG025177.D
Acq On : 14 Dec 2016 15:35
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 15 03:36:14 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 03:32:07 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02006

Manual Integrations APPROVED
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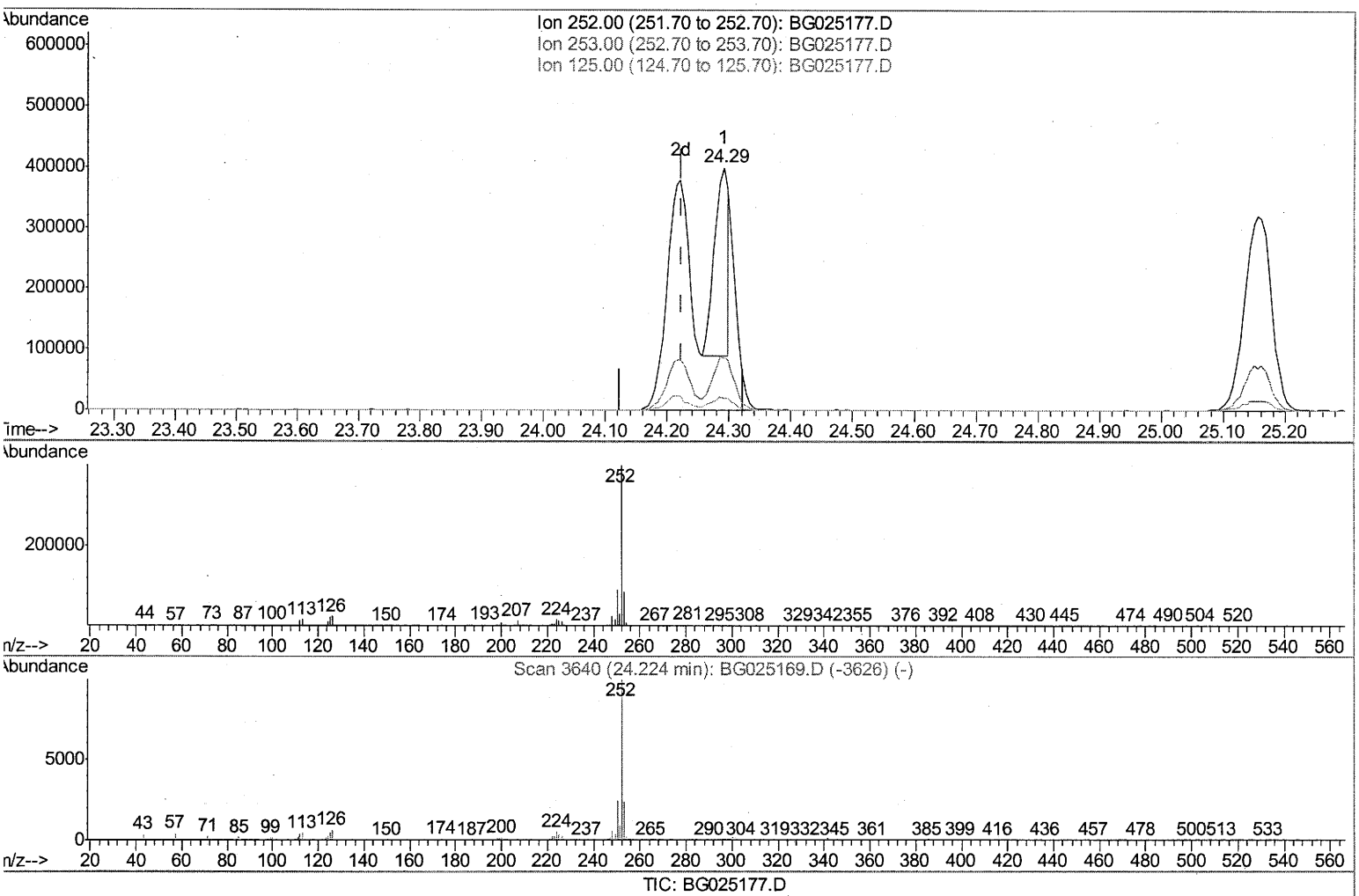

TIC: BG025177.D

(85) Benzo(b)fluoranthene

24.292min (+0.068) 10.17ng/ul

response 492432

Ion	Exp%	Act%
252.00	100	100
253.00	22.10	21.41
125.00	5.00	5.21
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121416\
Data File : BG025177.D
Acq On : 14 Dec 2016 15:35
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 15 03:36:14 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 03:32:07 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02006

Manual Integrations APPROVED
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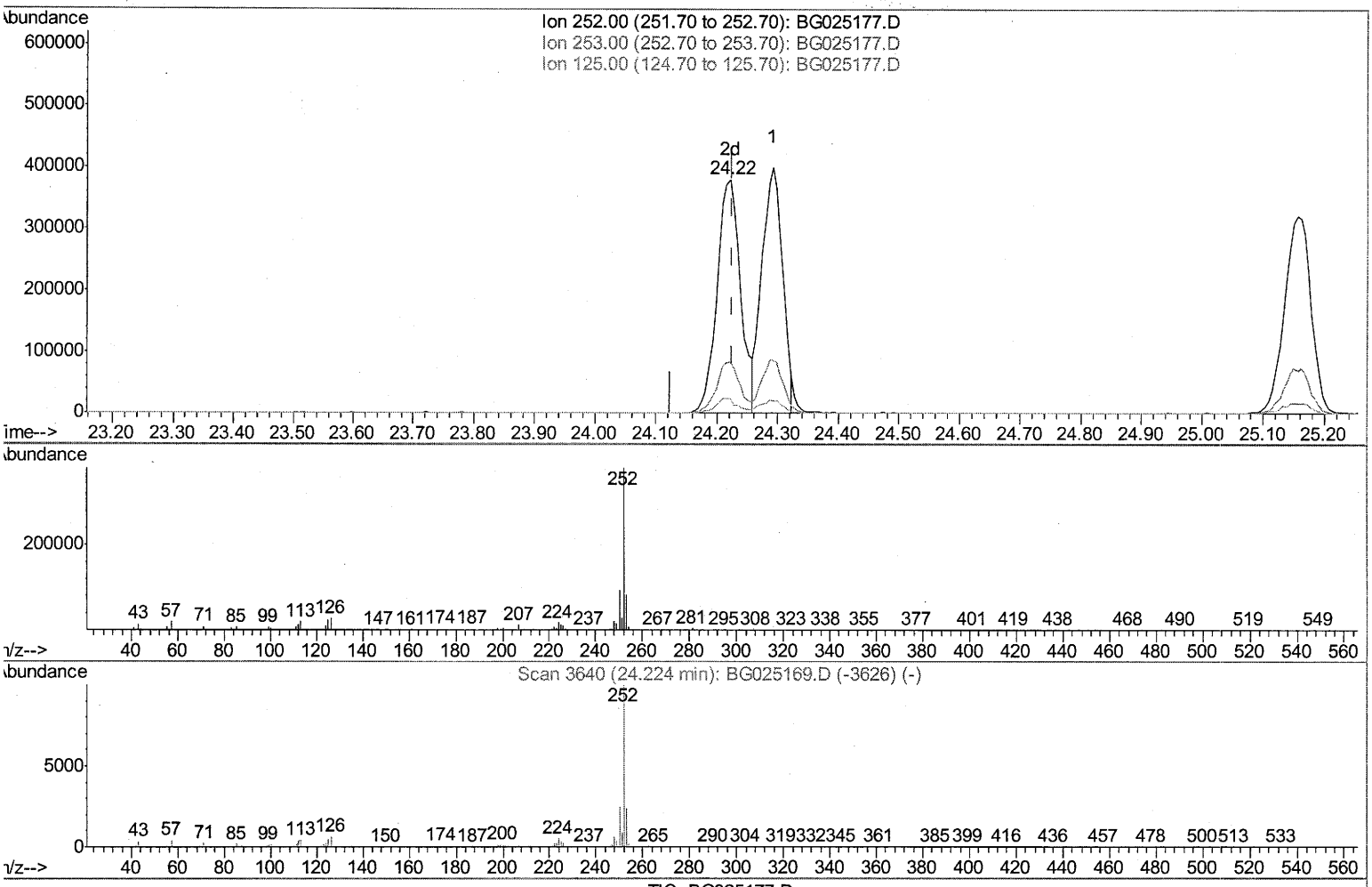

TIC: BG025177.D

(85) Benzo(b)fluoranthene

24.221min (-0.003) 21.00ng/ul m

response 1017139

UM
12/15/16

Ion	Exp%	Act%
252.00	100	100
253.00	22.10	22.09
125.00	5.00	6.10#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121416\
Data File : BG025177.D
Acq On : 14 Dec 2016 15:35
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 15 03:36:14 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 03:32:07 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02006

Manual Integrations APPROVED
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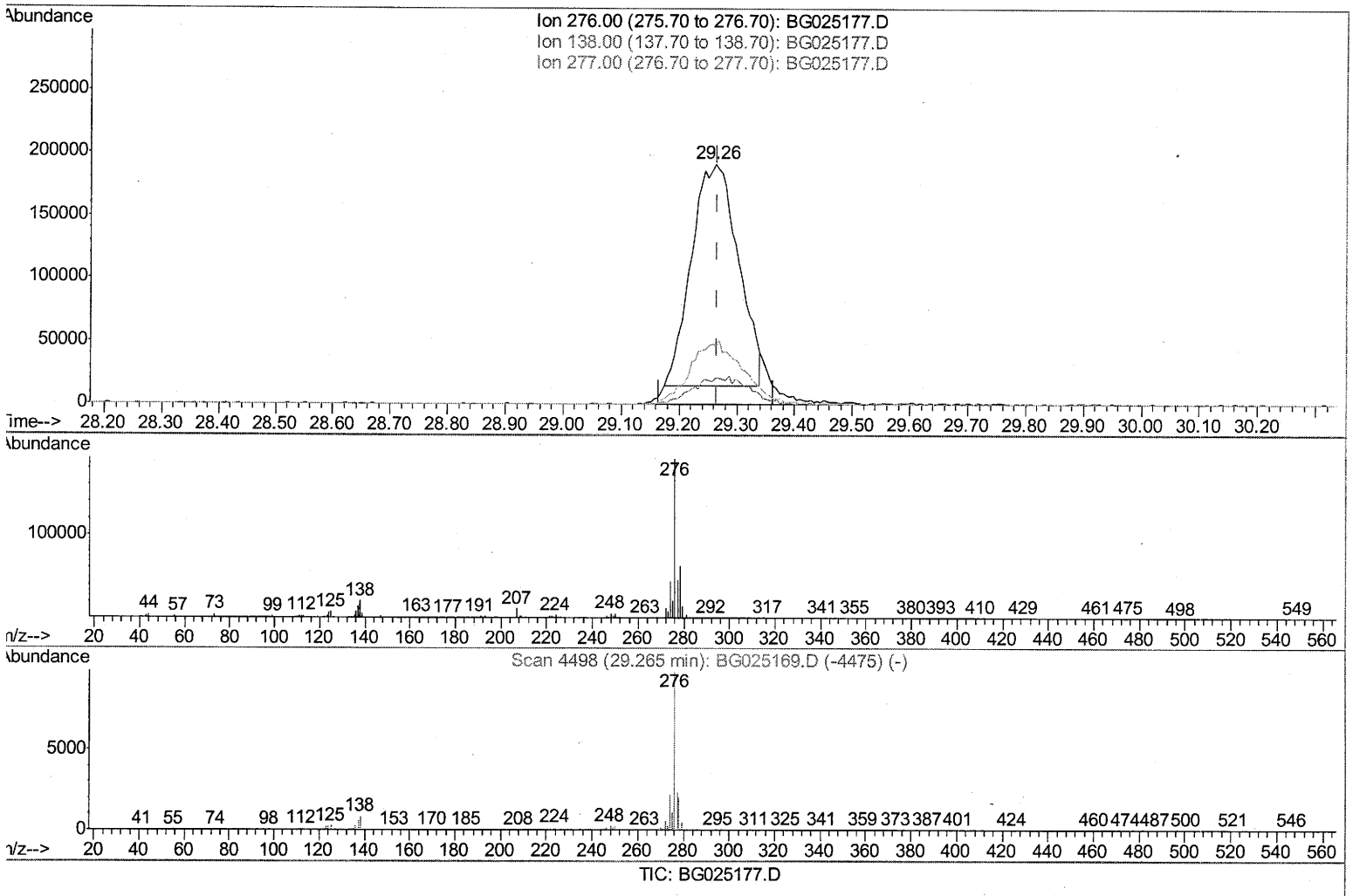

TIC: BG025177.D

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

29.262min (-0.003) 17.14ng/ul

response 992075

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	10.88
277.00	23.30	23.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121416\
Data File : BG025177.D
Acq On : 14 Dec 2016 15:35
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 15 03:36:14 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 03:32:07 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02006

Manual Integrations APPROVED
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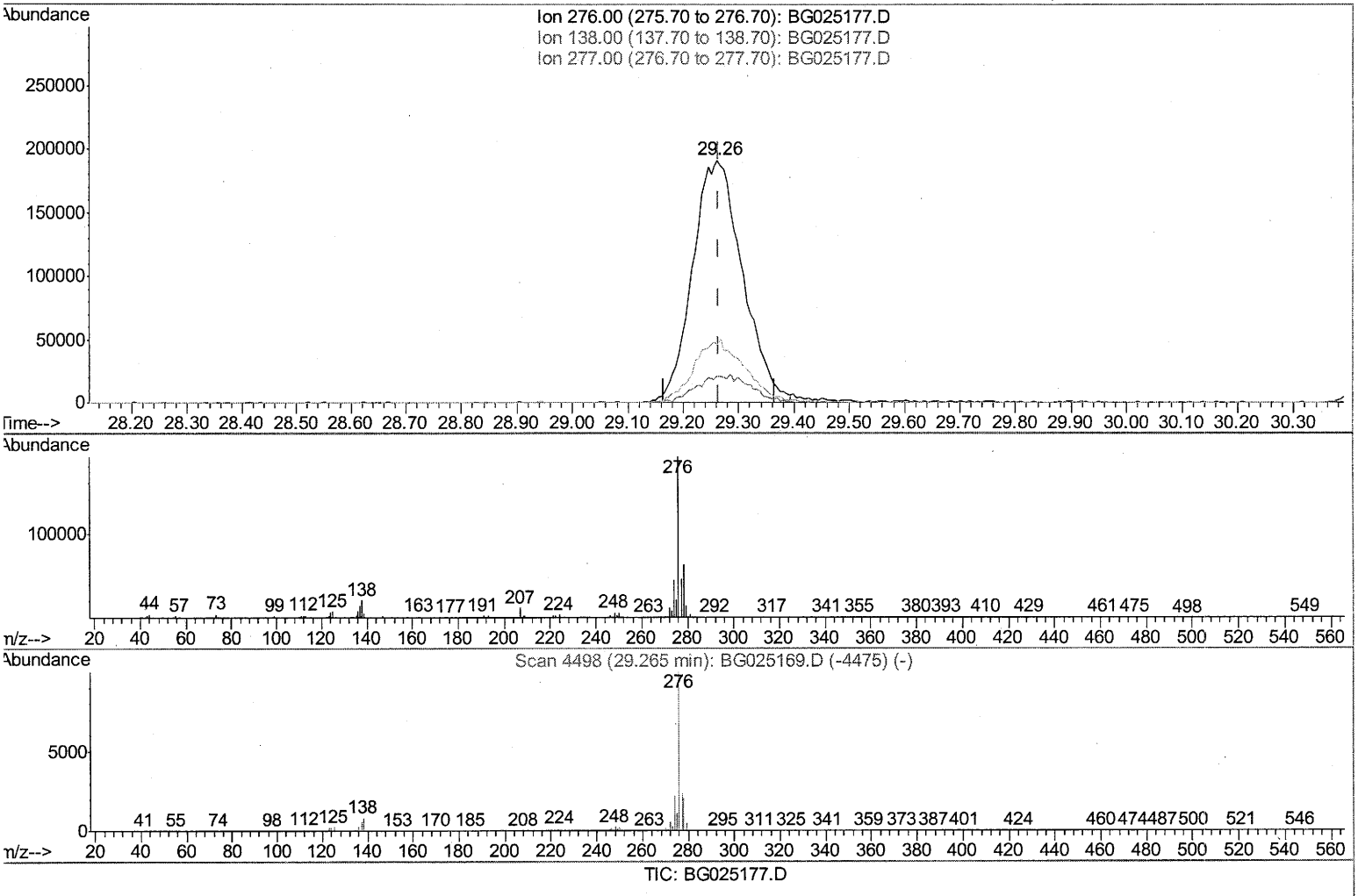

TIC: BG025177.D

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

29.262min (-0.003) 20.79ng/ul m

response 1203160

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	10.88
277.00	23.30	23.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121416\
Data File : BG025177.D
Acq On : 14 Dec 2016 15:35
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 15 03:36:14 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 03:32:07 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02006

Manual Integrations APPROVED
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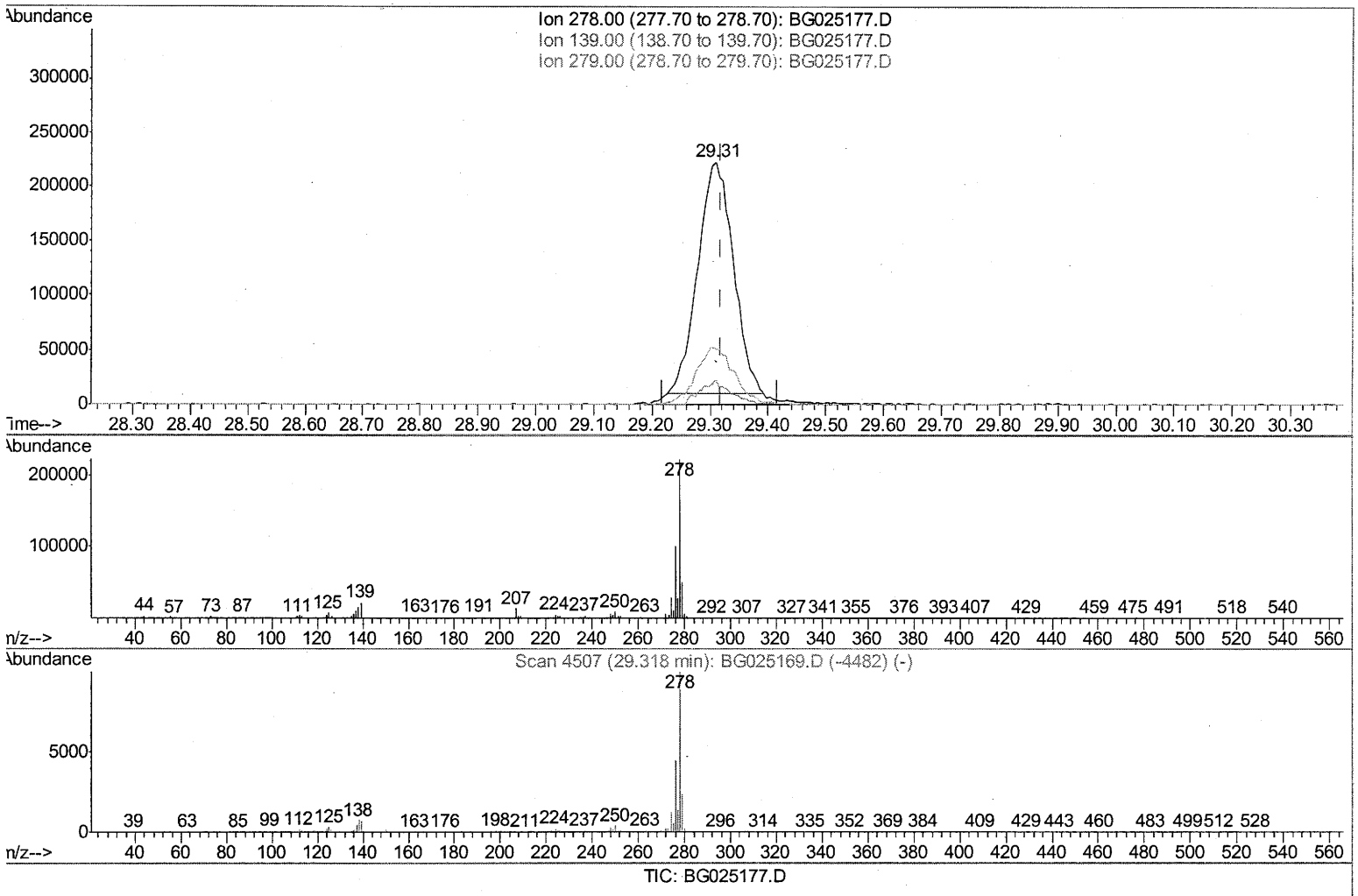

TIC: BG025177.D

(90) Dibenzo(a,h)anthracene

29.309min (-0.009) 18.33ng/ul

response 894030

Ion	Exp%	Act%
278.00	100	100
139.00	8.40	9.84
279.00	26.10	22.87
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121416\
Data File : BG025177.D
Acq On : 14 Dec 2016 15:35
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 15 03:36:14 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 03:32:07 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02006

Manual Integrations APPROVED
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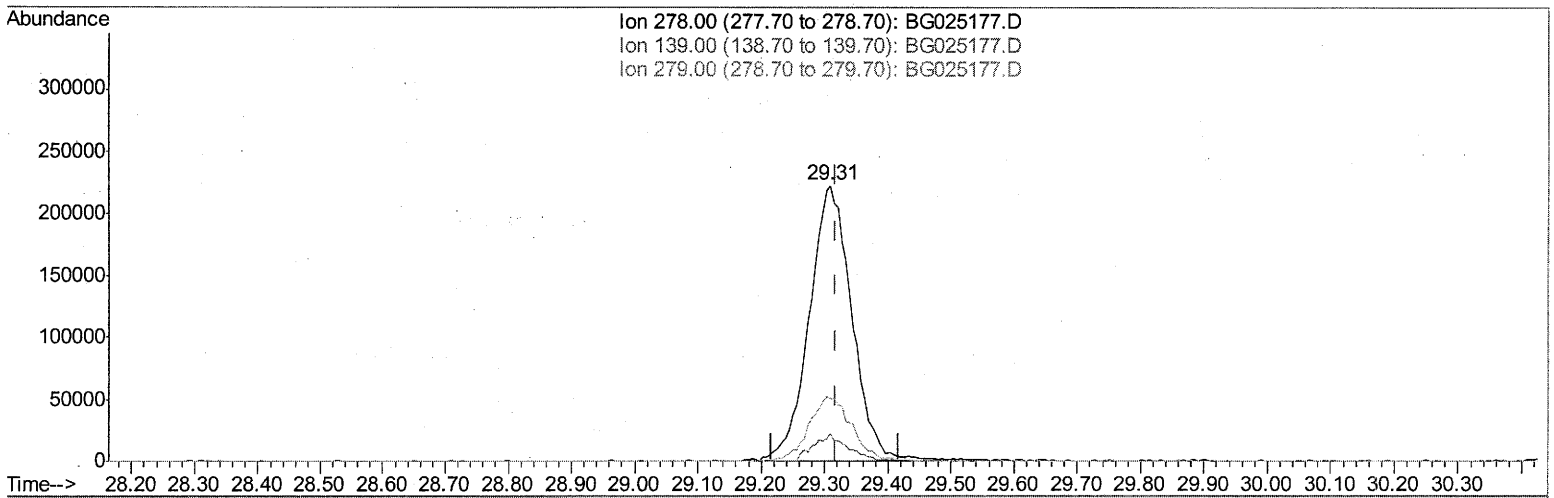

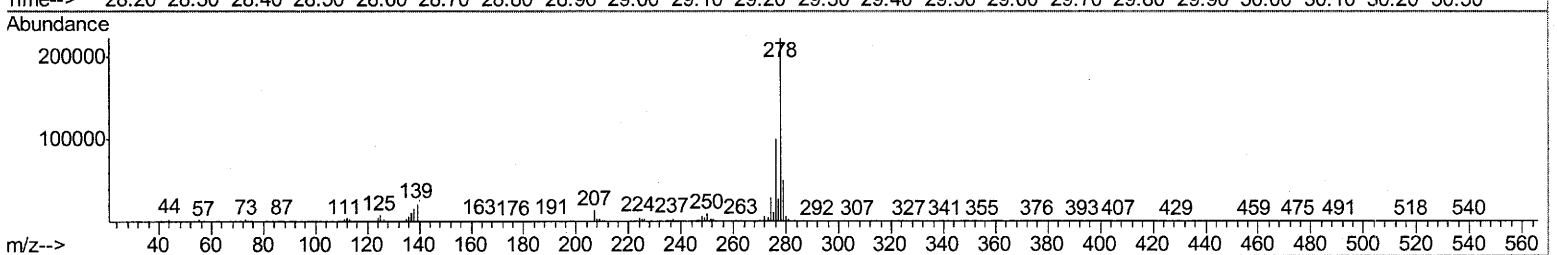

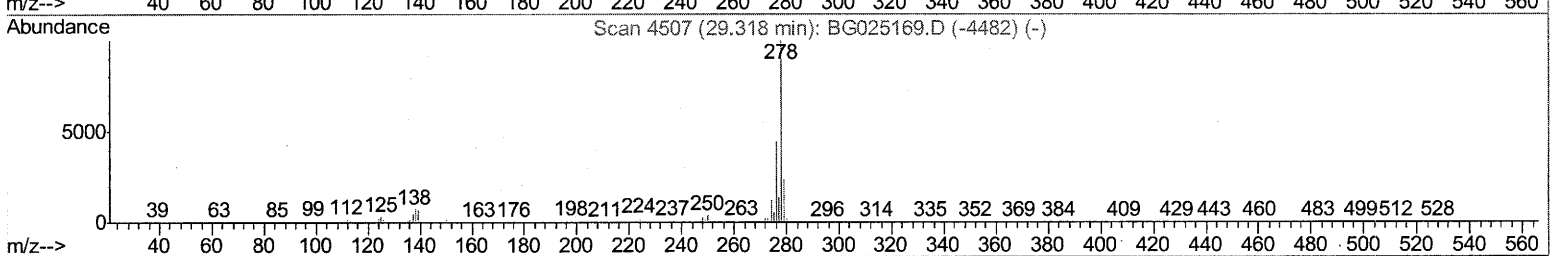

TIC: BG025177.D

(90) Dibenzo(a,h)anthracene

29.309min (-0.009) 20.90ng/ul m

response 1019352

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12/15/16

Ion	Exp%	Act%
278.00	100	100
139.00	8.40	9.84
279.00	26.10	22.87
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121416\
Data File : BG025177.D
Acq On : 14 Dec 2016 15:35
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 15 03:36:14 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 03:32:07 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02006

Manual Integrations APPROVED
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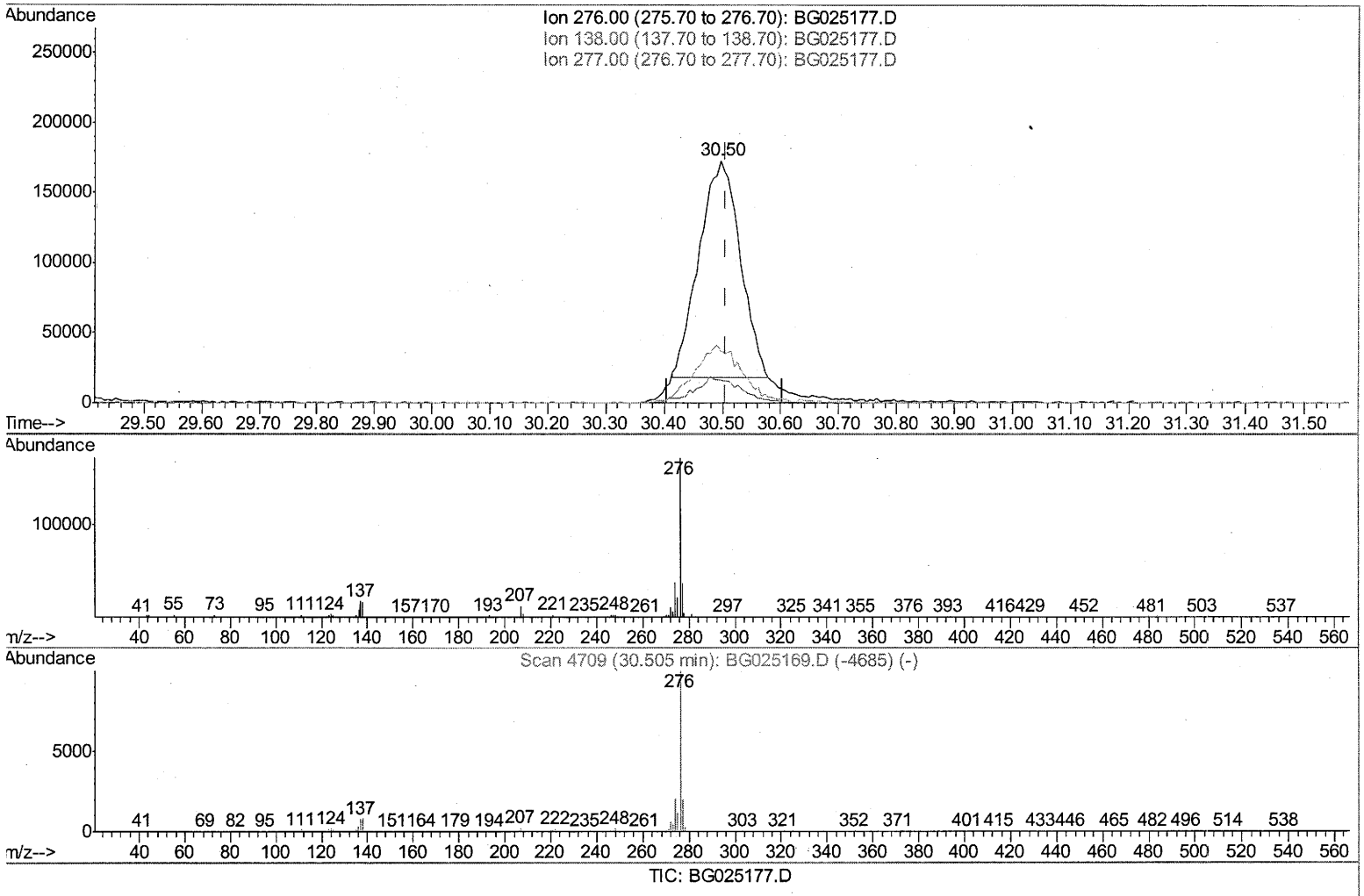

TIC: BG025177.D

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

30.496min (-0.009) 15.57ng/ul

response 751984

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	9.61
277.00	22.00	21.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121416\
Data File : BG025177.D
Acq On : 14 Dec 2016 15:35
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 15 03:36:14 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 03:32:07 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
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Manual Integrations APPROVED
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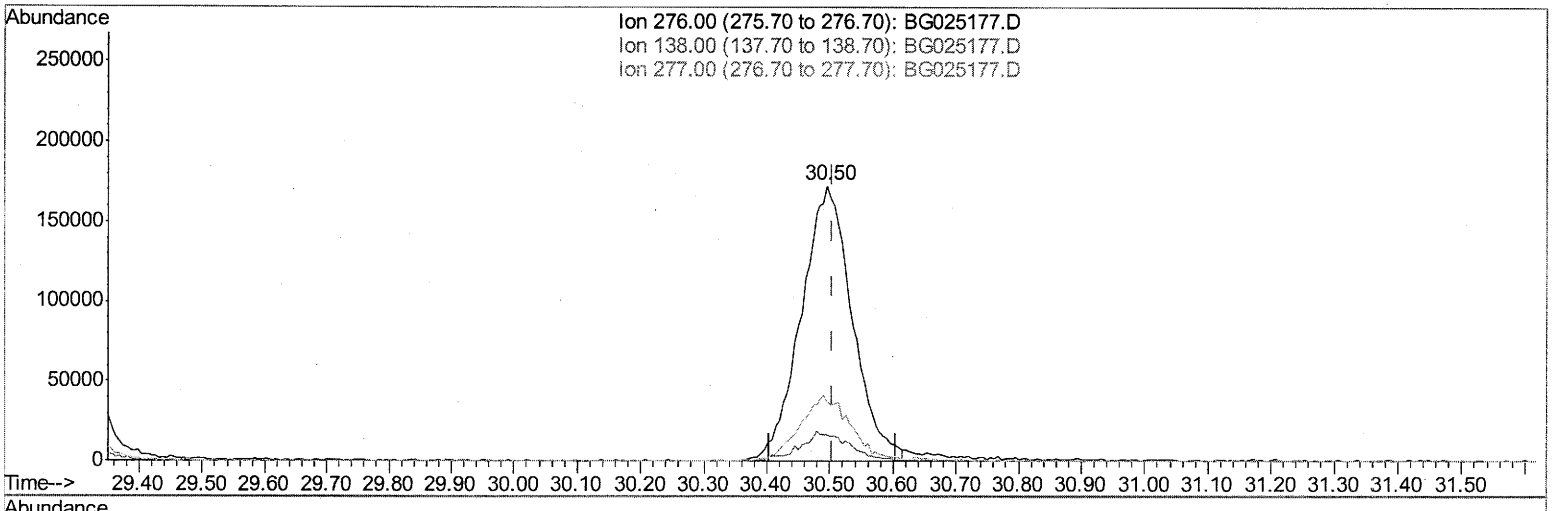

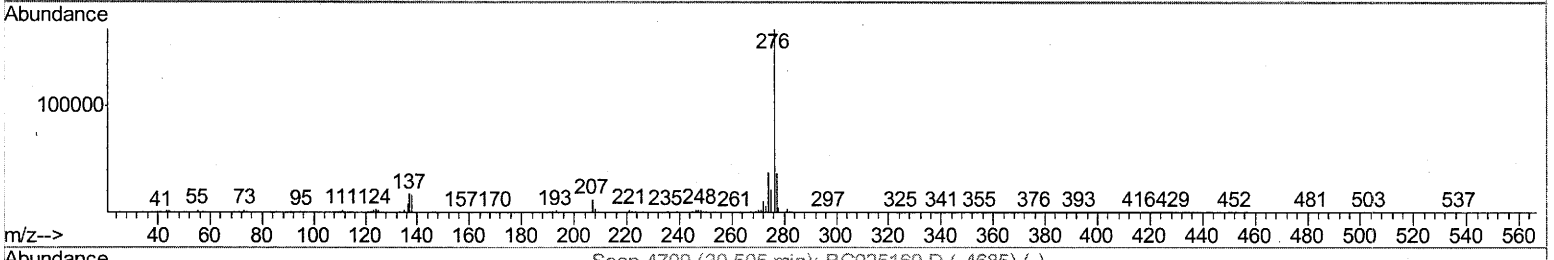

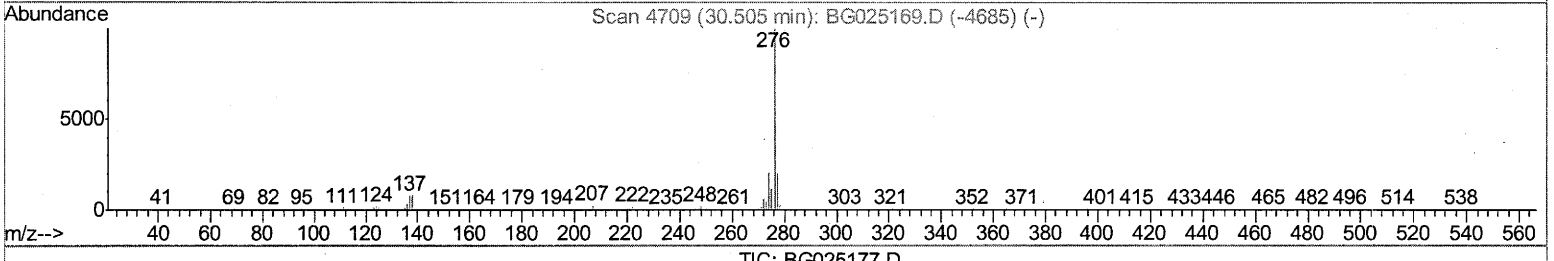

TIC: BG025177.D

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

30.496min (-0.009) 20.26ng/ul m

response 978524

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	9.61
277.00	22.00	21.33
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121416\
Data File : BG025177.D
Acq On : 14 Dec 2016 15:35
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
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QLast Update : Thu Dec 15 03:32:07 2016
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	8.24	152	106802	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	475688	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	395869	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	841303	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	966239	20.00	ng/ul	0.00
83) Perylene-d12	25.32	264	976805	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.59	96	14421	6.97	ng/uL	0.00
5) Phenol-d5	7.39	99	186279	20.22	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	118438	20.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.76	132	122779	19.06	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	151819	19.72	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	64297	19.09	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	81641	19.44	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	166660	20.64	ng/ul	0.00
29) 4-Chloroaniline-d4	11.20	131	192074	24.20	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	526095	19.32	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	610409	20.47	ng/ul	0.00
51) 4-Nitrophenol-d4	15.06	143	80213	17.14	ng/ul	0.00
57) Fluorene-d10	15.85	176	504962	19.70	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	101311	19.48	ng/ul	0.00
70) Anthracene-d10	17.70	188	718752	20.24	ng/ul	0.00
76) Pyrene-d10	19.97	212	818939	20.58	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.08	264	816507	20.63	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.62	88	17608	6.54	ng/uL	89
4) Benzaldehyde	7.38	77	145904	21.04	ng/ul	99
6) Phenol	7.42	94	195657	20.69	ng/ul	93
8) Bis(2-Chloroethyl)ether	7.65	93	137697	19.90	ng/ul	95
10) 2-Chlorophenol	7.80	128	128892	19.90	ng/ul	87
11) 2-Methylphenol	8.67	108	141122	20.27	ng/ul	88
12) 2,2'-oxybis(1-Chloropropan	8.76	45	259778	22.07	ng/ul	96
14) Acetophenone	9.07	105	229659	19.60	ng/ul	93
15) N-Nitroso-di-n-propylamine	9.03	70	139719	20.64	ng/ul#	84
16) 4-Methylphenol	9.00	108	157258	20.30	ng/ul	93
17) Hexachloroethane	9.32	117	59107	20.60	ng/ul	94
20) Nitrobenzene	9.46	77	213328	20.61	ng/ul	95
21) Isophorone	9.97	82	393939	20.11	ng/ul	97
23) 2-Nitrophenol	10.17	139	85974	20.18	ng/ul	90
24) 2,4-Dimethylphenol	10.21	107	196542	20.18	ng/ul	95
25) Bis(2-Chloroethoxy)methane	10.45	93	203508	20.39	ng/ul#	96
27) 2,4-Dichlorophenol	10.71	162	161163	20.55	ng/ul	95
28) Naphthalene	11.11	128	437714	19.79	ng/ul	98
30) 4-Chloroaniline	11.22	127	188931	23.28	ng/ul	98
31) Hexachlorobutadiene	11.38	225	122051	18.11	ng/ul	94
32) Caprolactam	11.99	113	59864m	18.38	ng/ul	
33) 4-Chloro-3-methylphenol	12.33	107	196194	20.30	ng/ul	96
34) 2-Methylnaphthalene	12.70	142	351505	20.14	ng/ul	94

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Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121416\
Data File : BG025177.D
Acq On : 14 Dec 2016 15:35
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 15 03:58:28 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 03:32:07 2016
Response via : Initial Calibration

Instrument : BNA_G
LabSampleId : SSTD02006

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	243989	20.45 ng/ul	95
37) Hexachlorocyclopentadiene	13.03	237	122169	17.44 ng/ul	97
38) 2,4,6-Trichlorophenol	13.30	196	146203	19.51 ng/ul	88
39) 2,4,5-Trichlorophenol	13.38	196	169197	20.60 ng/ul	97
40) 1,1'-Biphenyl	13.69	154	495549	20.65 ng/ul	98
41) 2-Chloronaphthalene	13.75	162	395640	20.71 ng/ul	97
42) 2-Nitroaniline	13.95	65	165050	22.07 ng/ul	95
44) Dimethylphthalate	14.30	163	510380	19.07 ng/ul	98
45) 2,6-Dinitrotoluene	14.44	165	118205	20.56 ng/ul#	94
47) Acenaphthylene	14.59	152	590789	20.37 ng/ul	100
48) 3-Nitroaniline	14.77	138	106625	21.41 ng/ul#	84
49) Acenaphthene	14.92	153	414768	20.88 ng/ul	98
50) 2,4-Dinitrophenol	14.98	184	59538	15.94 ng/ul	99
52) 4-Nitrophenol	15.08	109	104254	18.52 ng/ul	90
53) Dibenzofuran	15.26	168	623755	19.85 ng/ul	99
54) 2,4-Dinitrotoluene	15.23	165	160952	18.57 ng/ul	94
55) 2,3,4,6-Tetrachlorophenol	15.48	232	165616	19.08 ng/ul#	99
56) Diethylphthalate	15.65	149	533384	18.82 ng/ul	95
58) Fluorene	15.90	166	505118	19.75 ng/ul	97
59) 4-Chlorophenyl-phenylether	15.88	204	276933	19.23 ng/ul#	85
60) 4-Nitroaniline	15.94	138	108895	18.13 ng/ul	91
63) 4,6-Dinitro-2-methylphenol	15.98	198	101241	18.79 ng/ul#	86
64) N-Nitrosodiphenylamine	16.10	169	459817	21.24 ng/ul	96
65) 4-Bromophenyl-phenylether	16.78	248	195963	20.62 ng/ul	96
66) Hexachlorobenzene	16.91	284	222454	20.79 ng/ul	95
67) Atrazine	17.04	200	199614	19.40 ng/ul	97
68) Pentachlorophenol	17.25	266	112420	17.50 ng/ul	92
69) Phenanthrene	17.65	178	816060	20.32 ng/ul	98
71) Anthracene	17.73	178	831844	20.15 ng/ul	99
72) Carbazole	18.01	167	715480	20.77 ng/ul	100
73) Di-n-butylphthalate	18.52	149	870943	20.03 ng/ul	100
74) Fluoranthene	19.64	202	980978	20.56 ng/ul	99
77) Pyrene	20.00	202	985478	21.22 ng/ul	100
78) Butylbenzylphthalate	20.85	149	397714	21.87 ng/ul	97
79) 3,3'-Dichlorobenzidine	21.78	252	391096	23.22 ng/ul	98
80) Benzo(a)anthracene	21.88	228	1040190	20.72 ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.72	149	562347	22.47 ng/ul#	96
82) Chrysene	21.95	228	972442	20.71 ng/ul	99
84) Di-n-octyl phthalate	22.99	149	937105	23.63 ng/ul	100
85) Benzo(b)fluoranthene	24.22	252	1017139m	21.00 ng/ul	
86) Benzo(k)fluoranthene	24.29	252	956726	20.78 ng/ul	97
88) Benzo(a)pyrene	25.16	252	967559	20.78 ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	29.26	276	1203160m	20.79 ng/ul	
90) Dibenzo(a,h)anthracene	29.31	278	1019352m	20.90 ng/ul	
91) Benzo(g,h,i)perylene	30.50	276	978524m	20.26 ng/ul	

um 12/15/16

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