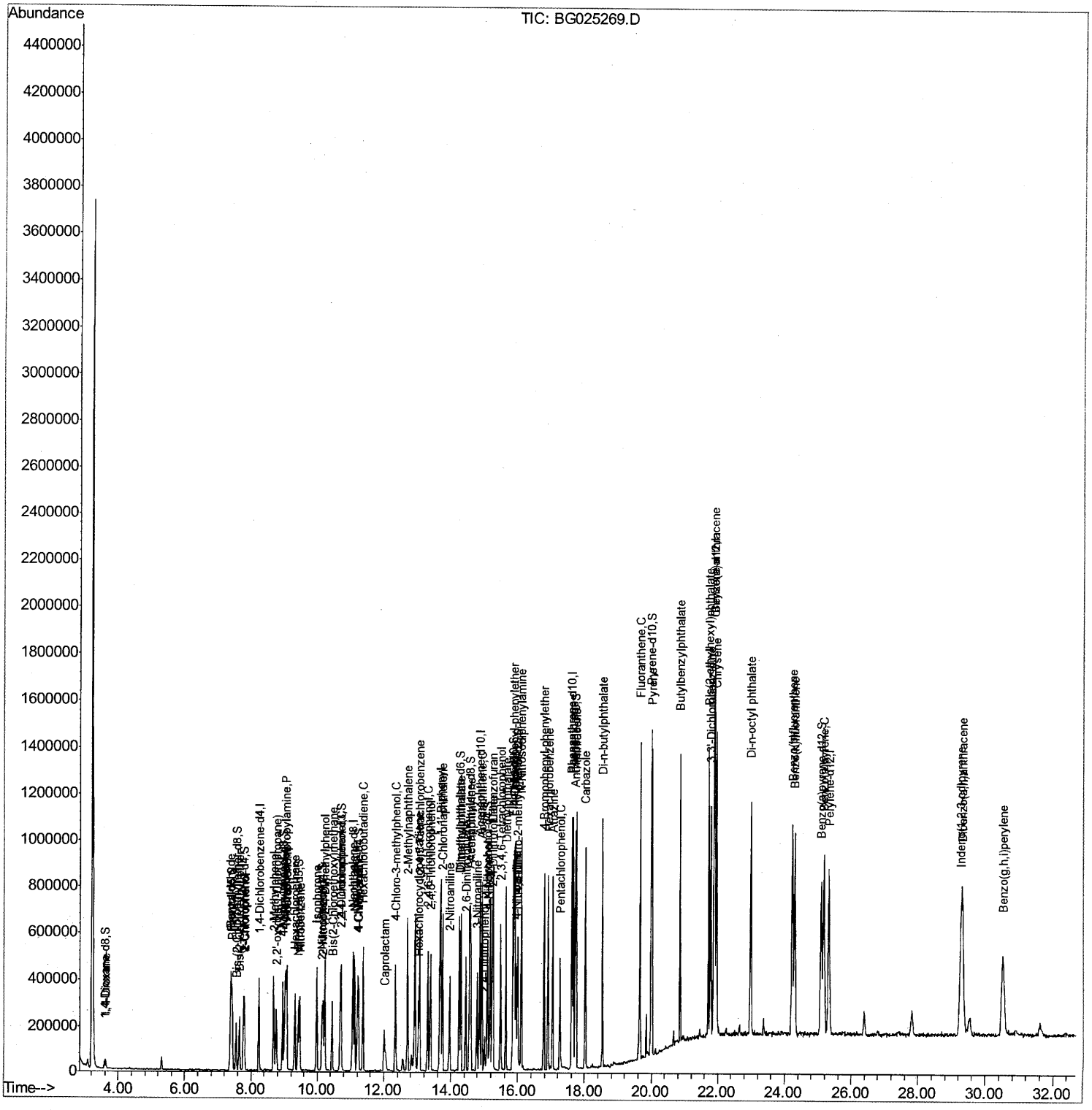
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121716\
Data File : BG025269.D
Acq On : 17 Dec 2016 11:16
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 00:13:59 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 17 00:22:48 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02017

Manual Integrations APPROVED
umangi
12/20/2016 10:54:01 AM



Quantitation Report (Qedit)

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Data File : BG025269.D
Acq On : 17 Dec 2016 11:16
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 00:11:41 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 17 00:22:48 2016
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Instrument :
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LabSampleId :
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Manual Integrations APPROVED
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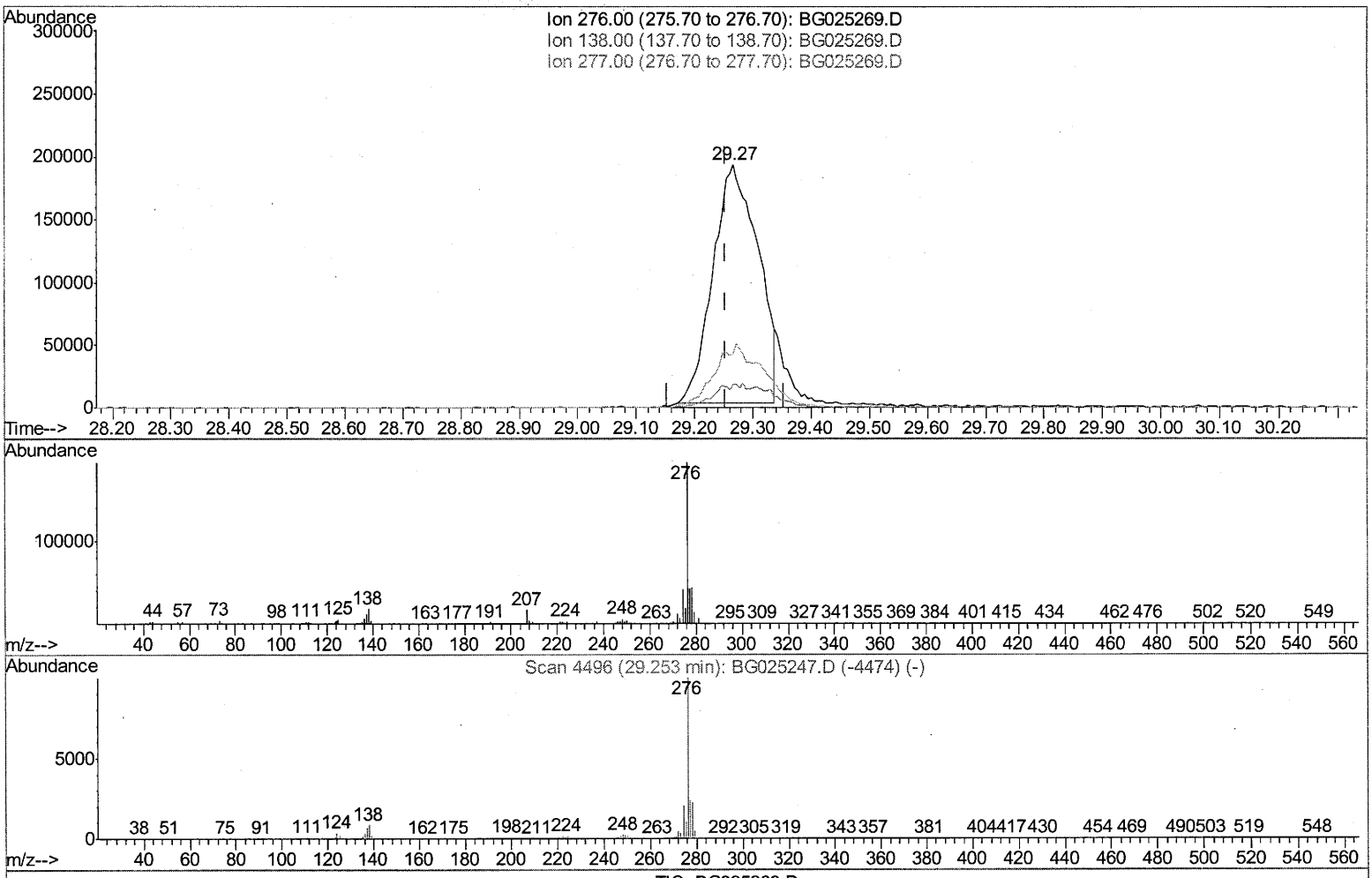

TIC: BG025269.D

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

29.265min (+0.012) 19.21ng/ul

response 1023805

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	9.46
277.00	23.30	22.13
0.00	0.00	0.00

Quantitation Report (Qedit)

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Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

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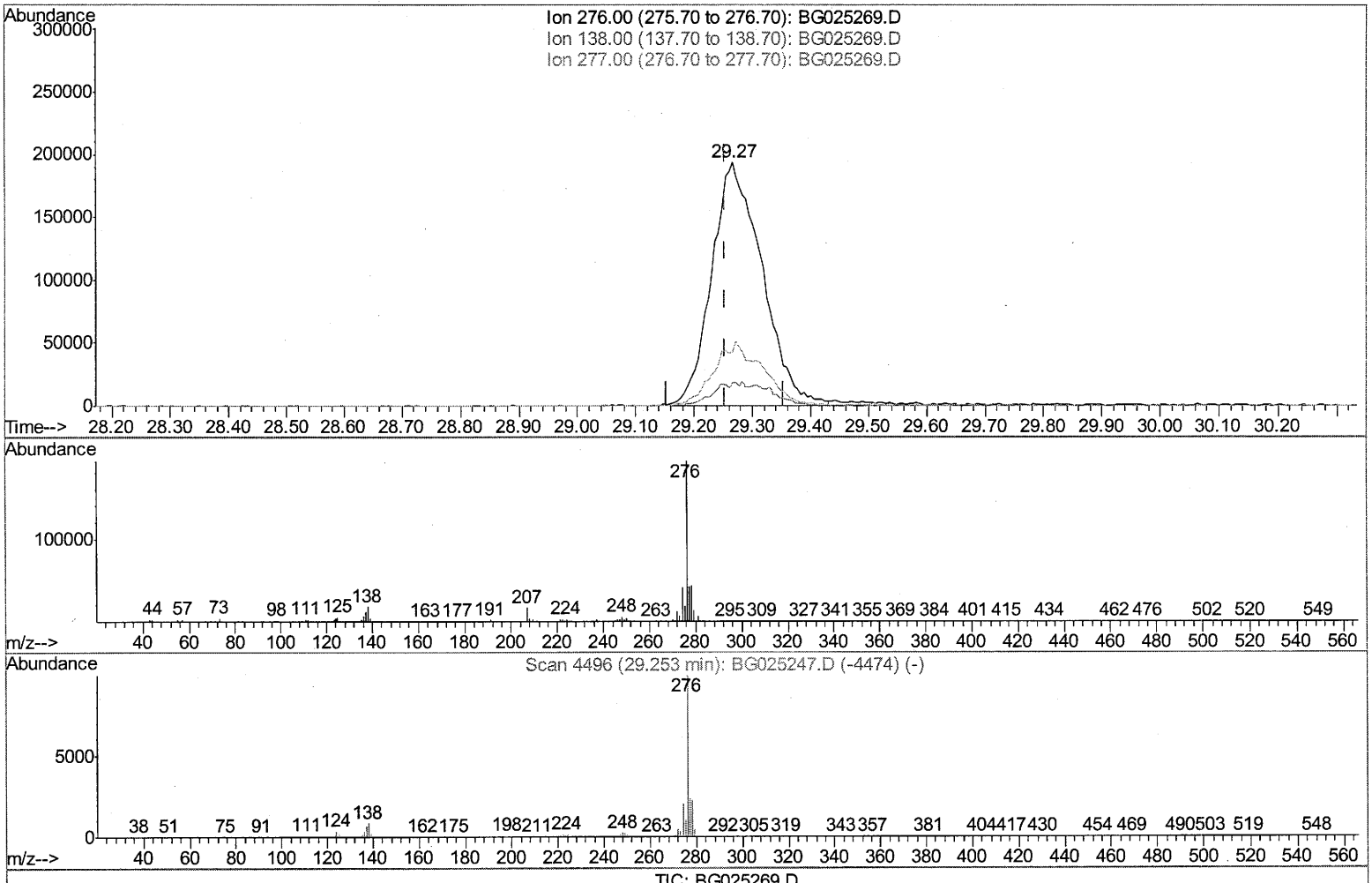
Instrument :
BNA_G
LabSampleId :
SSTD02017

Manual Integrations APPROVED
umangi
12/20/2016 10:54:01 AM



TIC: BG025269.D

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

29.265min (+0.012) 21.74ng/ul m UM

response 1158502 12/19/16

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	9.46
277.00	23.30	22.13
0.00	0.00	0.00

Quantitation Report (Qedit)

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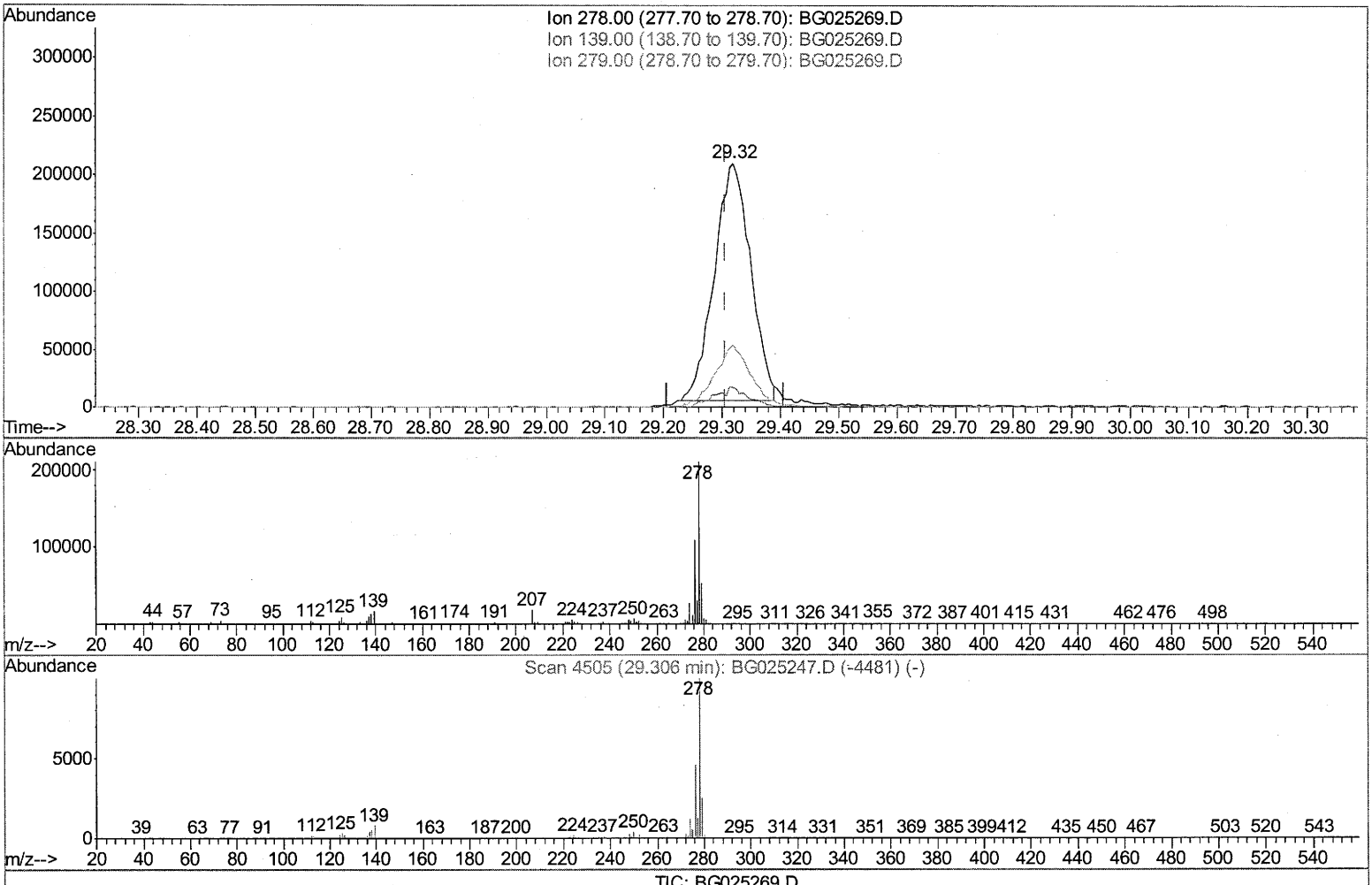
Instrument :
BNA_G
LabSampleId :
SSTD02017

Manual Integrations APPROVED
umangi
12/20/2016 10:54:01 AM



TIC: BG025269.D

(90) Dibenzo(a,h)anthracene

29.318min (+0.012) 19.79ng/ul

response 888663

Ion	Exp%	Act%
278.00	100	100
139.00	8.40	8.00
279.00	26.10	25.49
0.00	0.00	0.00

Quantitation Report (Qedit)

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Instrument :
BNA_G
LabSampleId :
SSTD02017

Manual Integrations APPROVED
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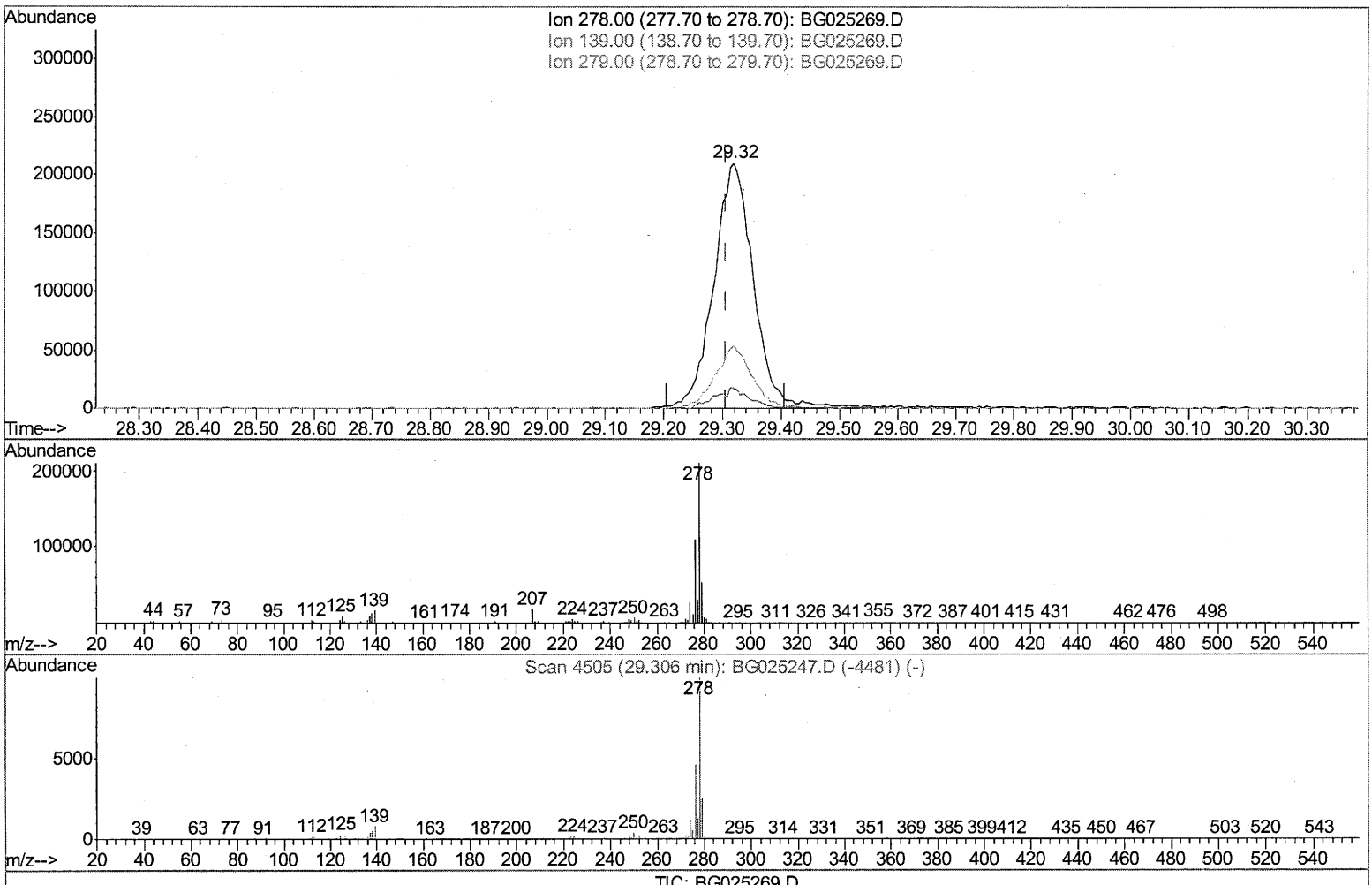

TIC: BG025269.D

(90) Dibenzo(a,h)anthracene

29.318min (+0.012) 21.61ng/ul m UM

response 970393 12/19/16

Ion	Exp%	Act%
278.00	100	100
139.00	8.40	8.00
279.00	26.10	25.49
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121716\
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Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 17 00:22:48 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02017

Manual Integrations APPROVED
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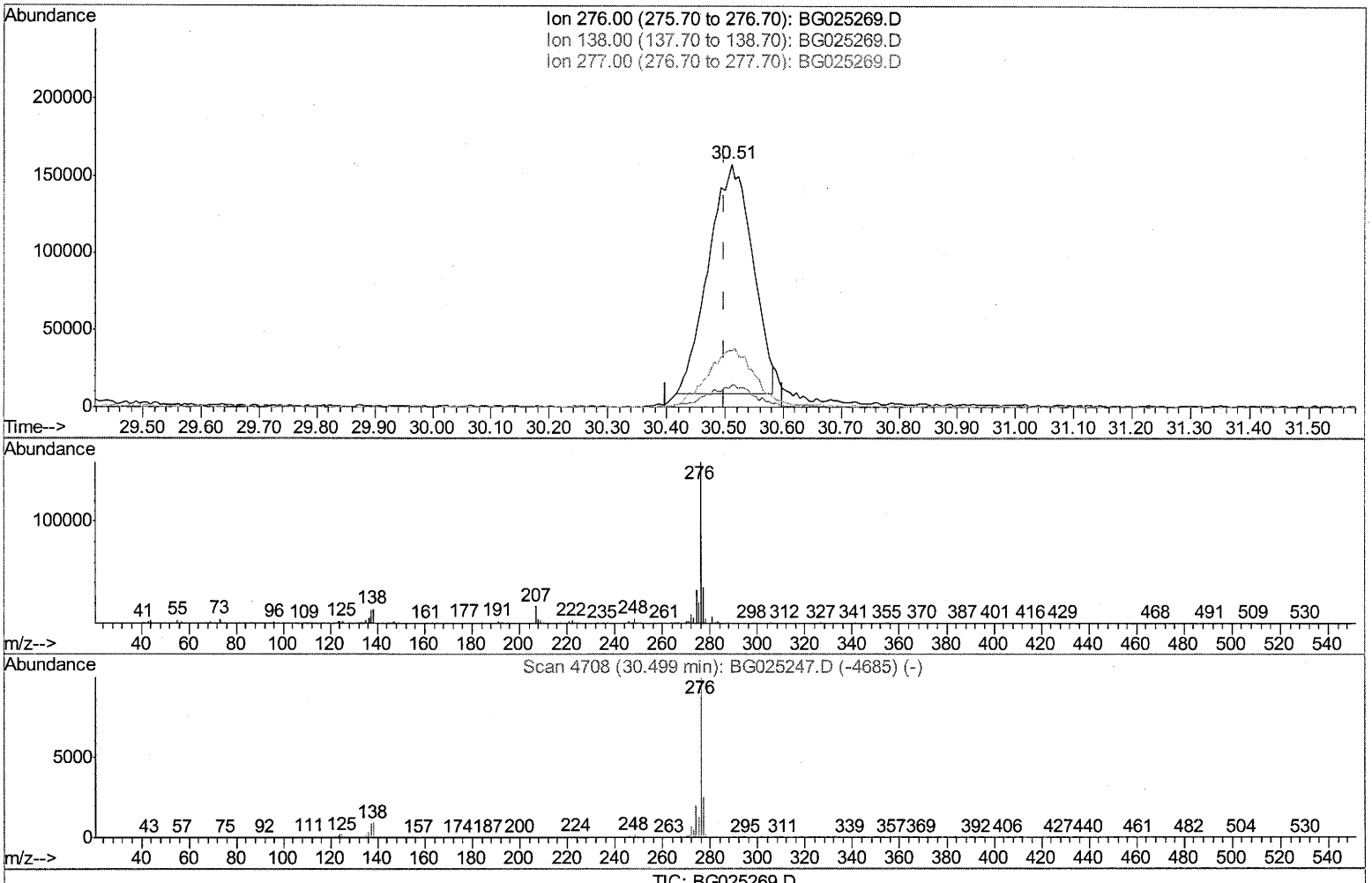
12/20/2016 10:54:01 AM



TIC: BG025269.D

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

30.511min (+0.012) 17.47ng/ul

response 776948

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	9.31
277.00	22.00	23.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121716\
Data File : BG025269.D
Acq On : 17 Dec 2016 11:16
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

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Instrument :
BNA_G
LabSampleId :
SSTD02017

Manual Integrations APPROVED
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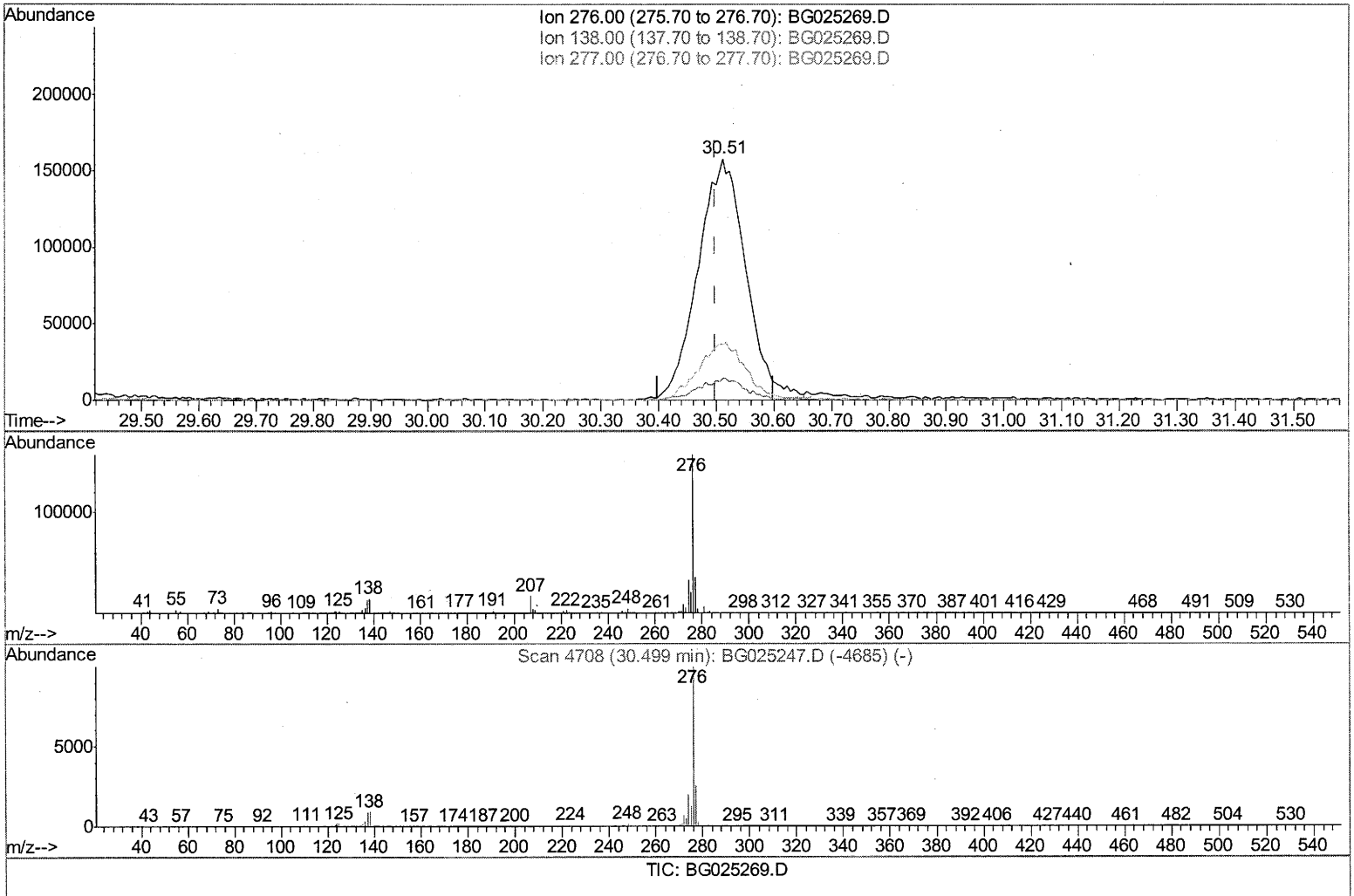

TIC: BG025269.D

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

30.511min (+0.012) 20.58ng/ul m UM

response 915248 12/19/16

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	9.31
277.00	22.00	23.03
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

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Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_G
LabSampleId : SSTD02017

Manual Integrations APPROVED
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Quant Time: Dec 18 00:13:59 2016
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	99147	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	409674	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.85	164	306666	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	671444	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	885737	20.00	ng/ul	0.00
83) Perylene-d12	25.32	264	899403	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.58	96	14072	7.33	ng/uL	0.00
5) Phenol-d5	7.40	99	172020	20.11	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	106871	20.20	ng/ul	0.00
9) 2-Chlorophenol-d4	7.76	132	120882	20.21	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	140913	19.71	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	63089	21.75	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	73935	20.44	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	145471	20.91	ng/ul	0.00
29) 4-Chloroaniline-d4	11.20	131	158052	23.12	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	429766	20.37	ng/ul	0.00
46) Acenaphthylene-d8	14.55	160	503301	21.78	ng/ul	0.00
51) 4-Nitrophenol-d4	15.08	143	68702	18.95	ng/ul	0.00
57) Fluorene-d10	15.85	176	396201	19.95	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.98	200	88360	21.28	ng/ul	0.00
70) Anthracene-d10	17.70	188	602454	21.26	ng/ul	0.00
76) Pyrene-d10	19.98	212	757440	20.76	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.08	264	798514	21.91	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.62	88	20523	8.21	ng/uL#	84
4) Benzaldehyde	7.37	77	136751	21.24	ng/ul	97
6) Phenol	7.42	94	179186	20.41	ng/ul	98
8) Bis(2-Chloroethyl)ether	7.64	93	125515	19.54	ng/ul	92
10) 2-Chlorophenol	7.80	128	121793	20.25	ng/ul	94
11) 2-Methylphenol	8.68	108	127519	19.73	ng/ul	98
12) 2,2'-oxybis(1-Chloropropan	8.76	45	238933	21.87	ng/ul	98
14) Acetophenone	9.07	105	210646	19.36	ng/ul	95
15) N-Nitroso-di-n-propylamine	9.04	70	121138	19.28	ng/ul#	91
16) 4-Methylphenol	9.01	108	137464	19.12	ng/ul	91
17) Hexachloroethane	9.31	117	56151	21.08	ng/ul	95
20) Nitrobenzene	9.46	77	192155	21.55	ng/ul	97
21) Isophorone	9.98	82	326218	19.34	ng/ul	96
23) 2-Nitrophenol	10.17	139	77079	21.01	ng/ul#	85
24) 2,4-Dimethylphenol	10.22	107	177123	21.11	ng/ul	94
25) Bis(2-Chloroethoxy)methane	10.45	93	171588	19.96	ng/ul	95
27) 2,4-Dichlorophenol	10.71	162	142043	21.03	ng/ul	94
28) Naphthalene	11.12	128	389746	20.47	ng/ul	98
30) 4-Chloroaniline	11.23	127	157902	22.60	ng/ul	99
31) Hexachlorobutadiene	11.37	225	126133	21.73	ng/ul	97
32) Caprolactam	12.00	113	45737	16.31	ng/ul	86
33) 4-Chloro-3-methylphenol	12.34	107	163334	19.62	ng/ul	96
34) 2-Methylnaphthalene	12.70	142	292148	19.44	ng/ul	91

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 17 00:22:48 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.06	216	209284	22.64 ng/ul#	92
37) Hexachlorocyclopentadiene	13.03	237	87487	16.12 ng/ul	98
38) 2,4,6-Trichlorophenol	13.31	196	127541	21.97 ng/ul	89
39) 2,4,5-Trichlorophenol	13.38	196	135443	21.28 ng/ul	99
40) 1,1'-Biphenyl	13.69	154	406751	21.88 ng/ul	97
41) 2-Chloronaphthalene	13.74	162	325955	22.02 ng/ul	96
42) 2-Nitroaniline	13.95	65	132834	22.93 ng/ul	94
44) Dimethylphthalate	14.30	163	415588	20.05 ng/ul	99
45) 2,6-Dinitrotoluene	14.44	165	92633	20.80 ng/ul#	91
47) Acenaphthylene	14.59	152	482346	21.47 ng/ul	97
48) 3-Nitroaniline	14.78	138	86684	22.47 ng/ul#	80
49) Acenaphthene	14.92	153	343501	22.32 ng/ul	94
50) 2,4-Dinitrophenol	15.00	184	38950	13.46 ng/ul#	80
52) 4-Nitrophenol	15.10	109	96621	22.16 ng/ul	95
53) Dibenzofuran	15.25	168	505010	20.75 ng/ul	97
54) 2,4-Dinitrotoluene	15.23	165	136837	20.38 ng/ul	97
55) 2,3,4,6-Tetrachlorophenol	15.48	232	140456	20.89 ng/ul	97
56) Diethylphthalate	15.65	149	433840	19.76 ng/ul	96
58) Fluorene	15.90	166	401712	20.27 ng/ul	100
59) 4-Chlorophenyl-phenylether	15.88	204	224512	20.12 ng/ul	87
60) 4-Nitroaniline	15.94	138	96929	20.83 ng/ul	91
63) 4,6-Dinitro-2-methylphenol	15.99	198	93902	21.84 ng/ul#	94
64) N-Nitrosodiphenylamine	16.10	169	377424	21.85 ng/ul	96
65) 4-Bromophenyl-phenylether	16.78	248	171340	22.59 ng/ul	97
66) Hexachlorobenzene	16.90	284	187533	21.96 ng/ul	96
67) Atrazine	17.04	200	166237	20.24 ng/ul	97
68) Pentachlorophenol	17.26	266	101827	19.86 ng/ul	96
69) Phenanthrene	17.64	178	685102	21.38 ng/ul	100
71) Anthracene	17.74	178	707757	21.48 ng/ul	98
72) Carbazole	18.01	167	629436	22.90 ng/ul	100
73) Di-n-butylphthalate	18.52	149	722324	20.81 ng/ul	98
74) Fluoranthene	19.64	202	873868	22.95 ng/ul	98
77) Pyrene	20.01	202	885386	20.79 ng/ul#	97
78) Butylbenzylphthalate	20.85	149	354406	21.26 ng/ul	96
79) 3,3'-Dichlorobenzidine	21.78	252	382755	24.79 ng/ul	96
80) Benzo(a)anthracene	21.88	228	980465	21.31 ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.72	149	483061	21.05 ng/ul	97
82) Chrysene	21.94	228	921318	21.40 ng/ul	99
84) Di-n-octyl phthalate	22.98	149	831372	22.77 ng/ul	100
85) Benzo(b)fluoranthene	24.22	252	978462	21.94 ng/ul	99
86) Benzo(k)fluoranthene	24.29	252	913274	21.54 ng/ul	100
88) Benzo(a)pyrene	25.16	252	926462	21.61 ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	29.27	276	1158502m	21.74 ng/ul	
90) Dibenzo(a,h)anthracene	29.32	278	970393m	21.61 ng/ul	
91) Benzo(g,h,i)perylene	30.51	276	915248m	20.58 ng/ul	

UM 12/19/16

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