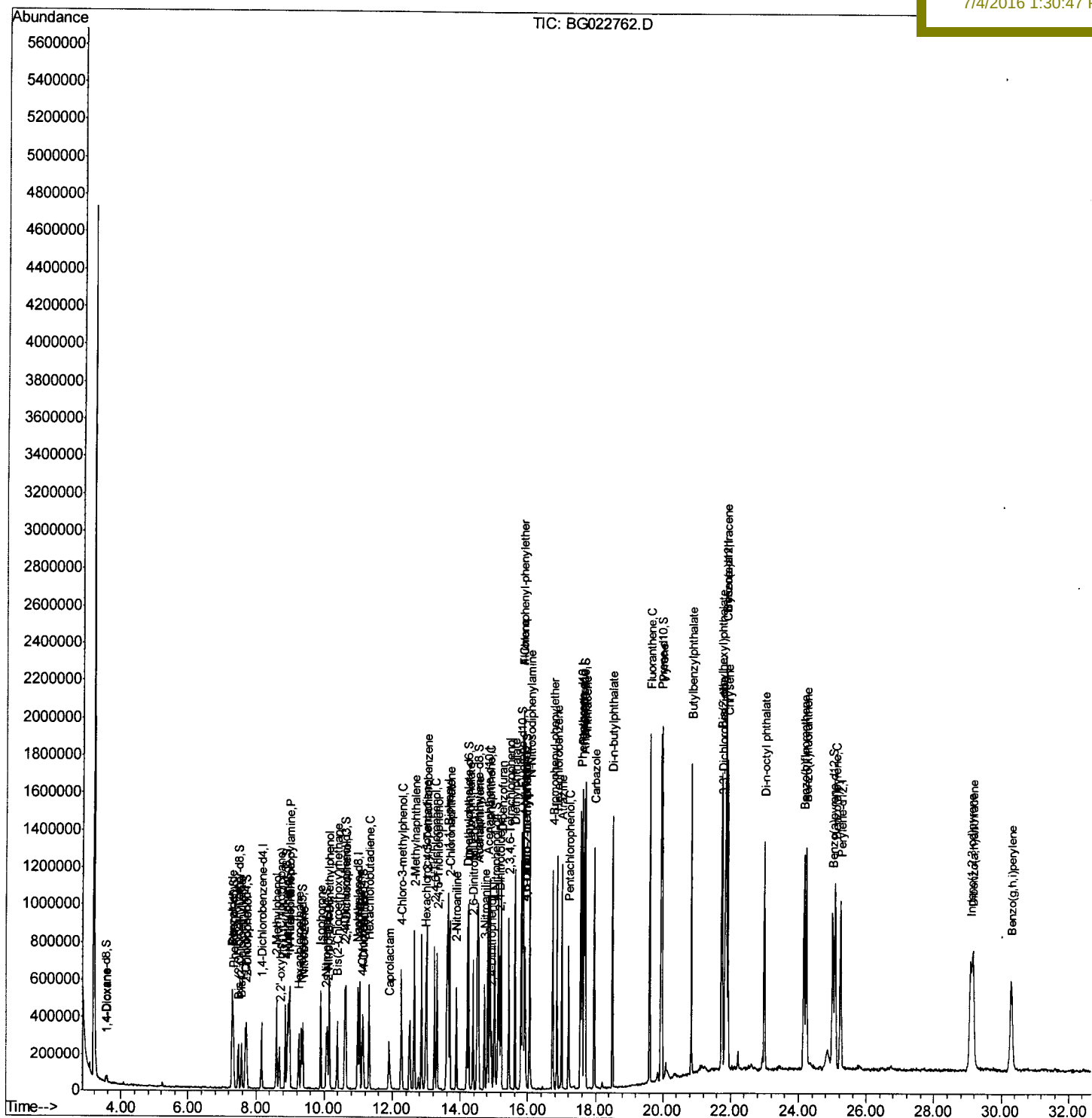


(QT Reviewed)

Quant Time: Jul 04 08:17:32 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 04 04:18:08 2016
Response via : Initial Calibration

Manual Integration

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Quantitation Report (Qedit)

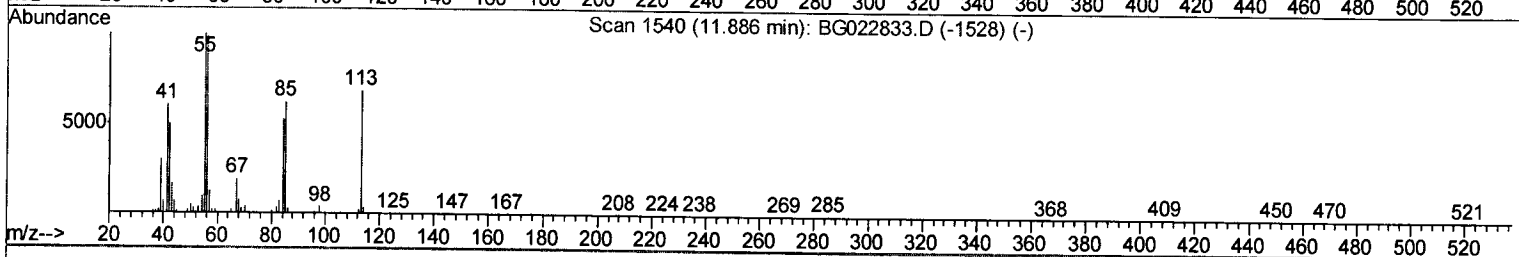
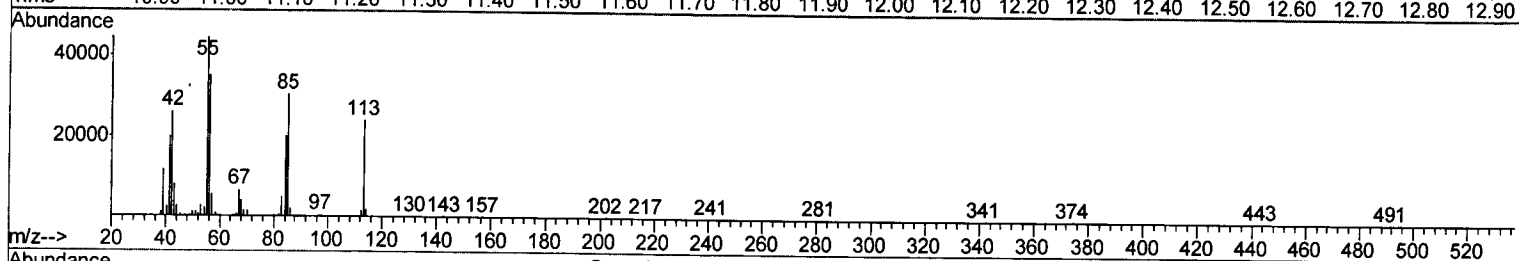
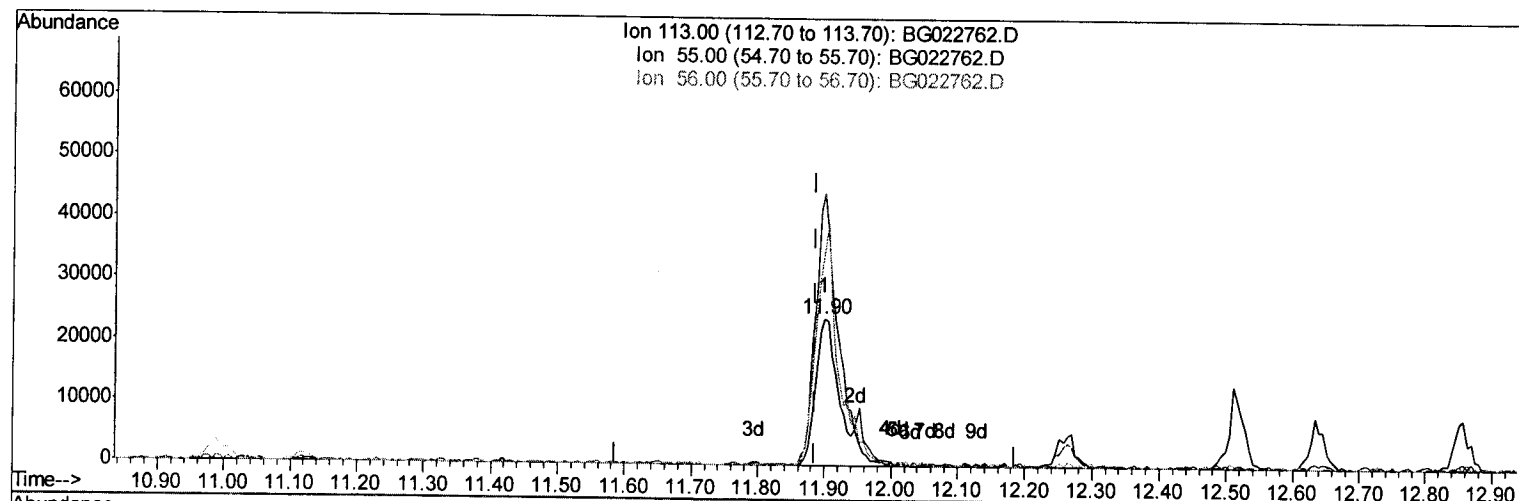
Data Path : Z:\HPCHEM1\BNA G\Data\BG070116\
 Data File : BG022762.D
 Acq On : 1 Jul 2016 17:44
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02011

Manual Integration

Quant Time: Jul 04 08:15:32 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 04 04:18:08 2016
 Response via : Initial Calibration

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TIC: BG022762.D

(32) Caprolactam

11.899min (+0.014) 21.34ng/ul m

response 62648

V.M
 07/09/16

Ion	Exp%	Act%
113.00	100	100
55.00	124.50	184.45#
56.00	83.00	145.08#
0.00	0.00	0.00

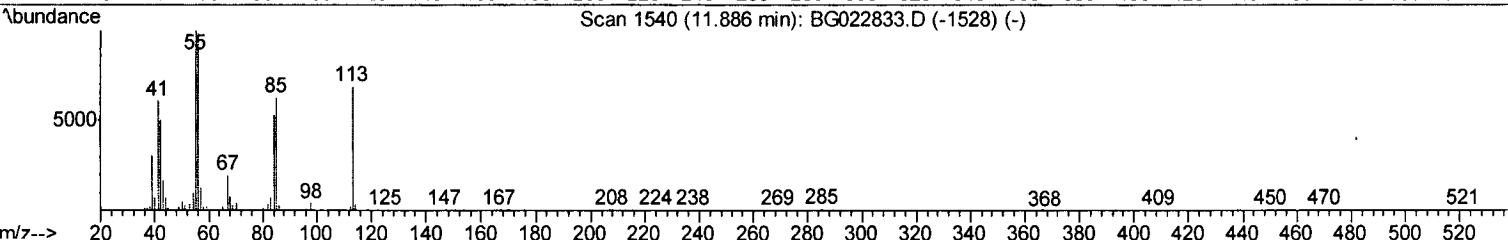
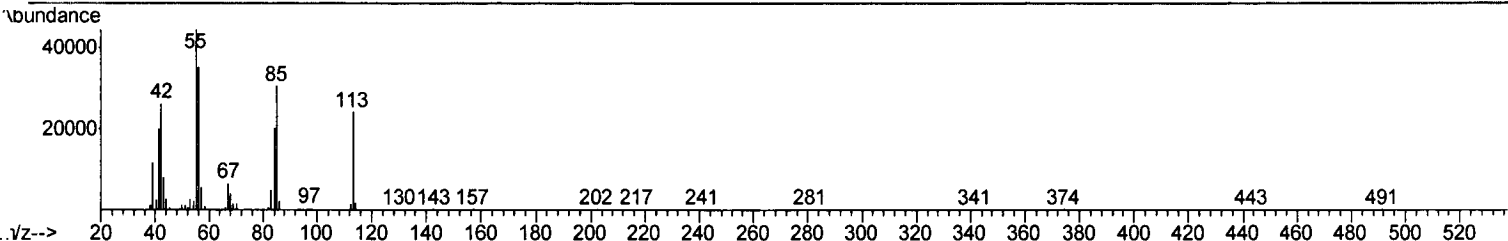
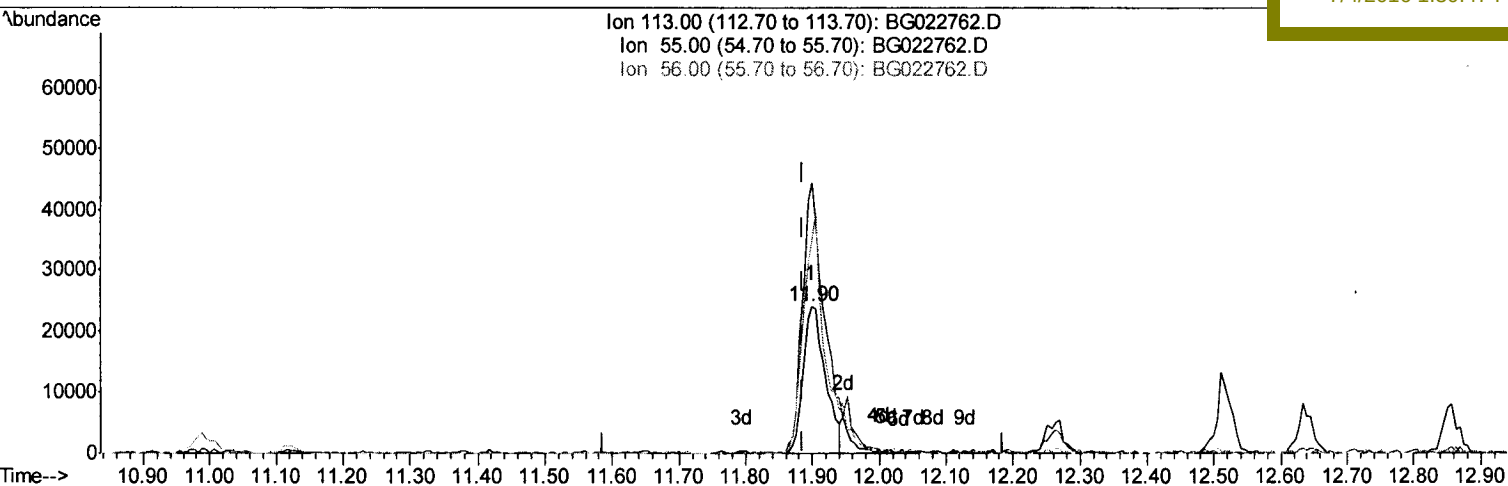
Data Path : Z:\HPCHEM1\BNA G\Data\BG070116\
 Data File : BG022762.D
 Acq On : 1 Jul 2016 17:44
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02011

Quant Time: Jul 04 08:15:32 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 04 04:18:08 2016
 Response via : Initial Calibration

Manual Integration

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TIC: BG022762.D

(32) Caprolactam

11.899min (+0.014) 19.16ng/ul

response 56259

Ion	Exp%	Act%
113.00	100	100
55.00	124.50	184.45#
56.00	83.00	145.08#
0.00	0.00	0.00

Quantitation Report (Qedit)

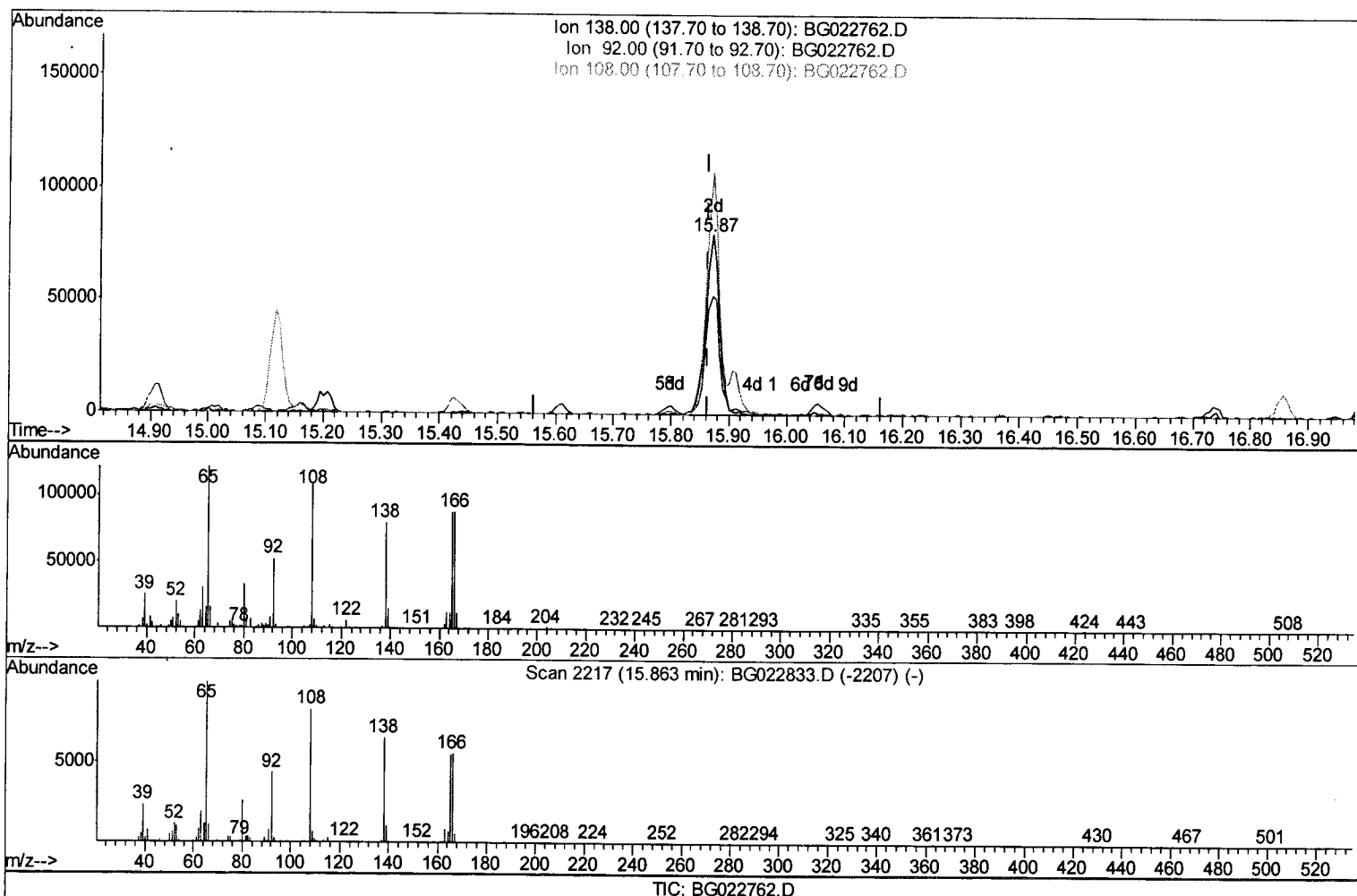
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 Data File : BG022762.D
 Acq On : 1 Jul 2016 17:44
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02011

Manual Integration

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Quant Time: Jul 04 08:15:32 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 04 04:18:08 2016
 Response via : Initial Calibration



(60) 4-Nitroaniline

15.871min (+0.008) 20.97ng/ul m U.M

response 130229

07/08/16

Ion	Exp%	Act%
138.00	100	100
92.00	48.70	65.94#
108.00	61.50	135.06#
0.00	0.00	0.00

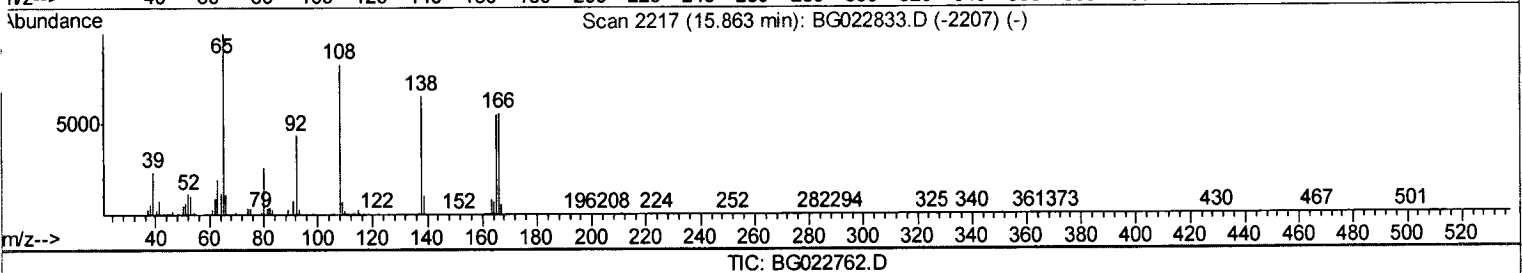
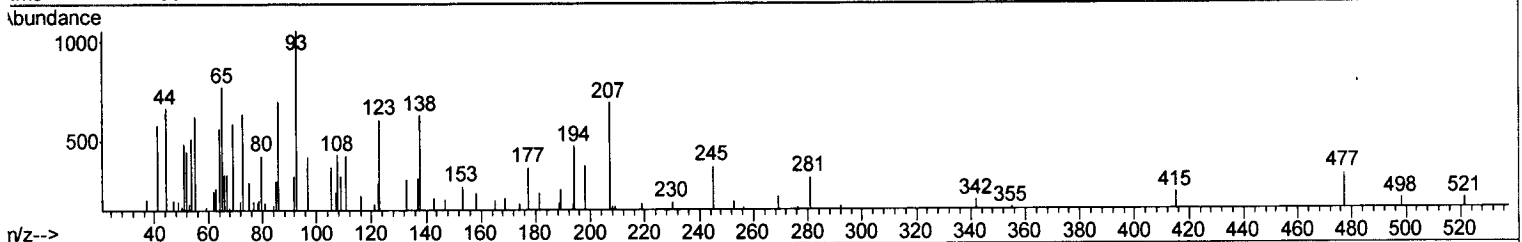
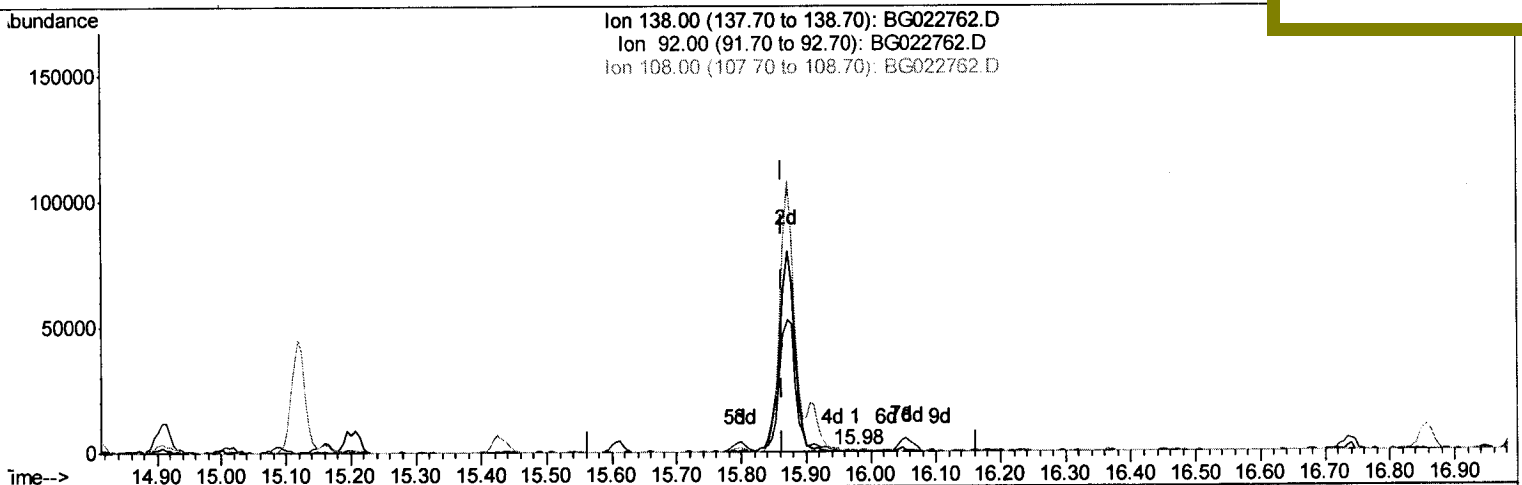
Data Path : Z:\HPCHEM1\BNA G\Data\BG070116\
Data File : BG022762.D
Acq On : 1 Jul 2016 17:44
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02011

Quant Time: Jul 04 08:15:32 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 04 04:18:08 2016
Response via : Initial Calibration

Manual Integration

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TIC: BG022762.D

(60) 4-Nitroaniline

15.977min (+0.114) 0.08ng/ul

response 509

Ion	Exp%	Act%
138.00	100	100
92.00	48.70	51.44
108.00	61.50	68.53
0.00	0.00	0.00

Quantitation Report (Qedit)

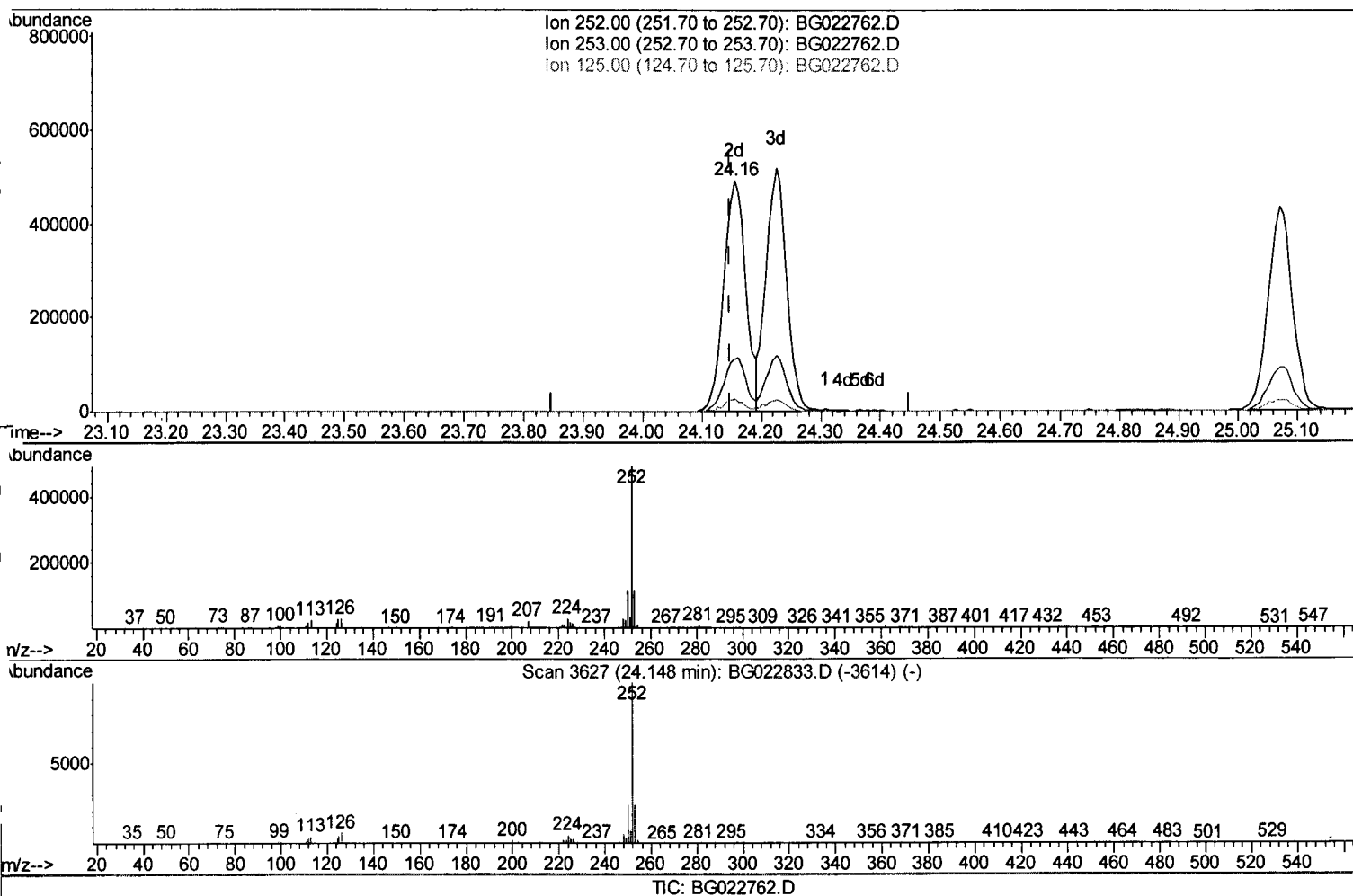
Data Path : Z:\HPCHEM1\BNA G\Data\BG070116\
 Data File : BG022762.D
 Acq On : 1 Jul 2016 17:44
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02011

Manual Integration

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Quant Time: Jul 04 08:15:32 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 04 04:18:08 2016
 Response via : Initial Calibration



(85) Benzo(b)fluoranthene

24.155min (+0.008) 19.39ng/ul m

response 1269087

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	22.64
125.00	13.50	5.33#
0.00	0.00	0.00

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Quantitation Report (Qedit)

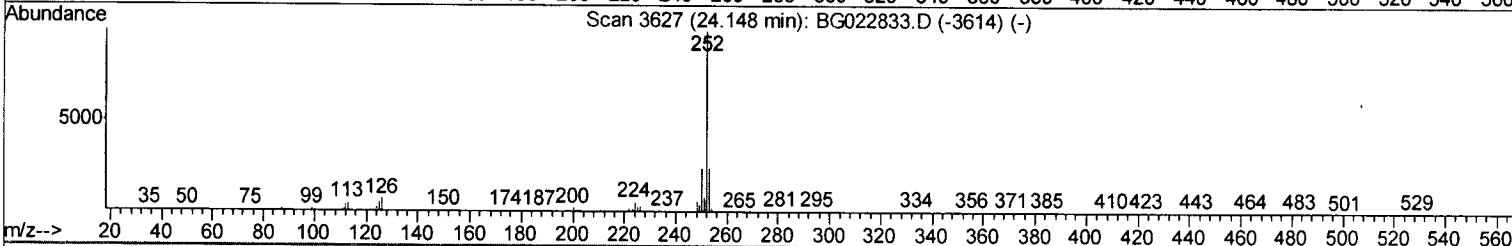
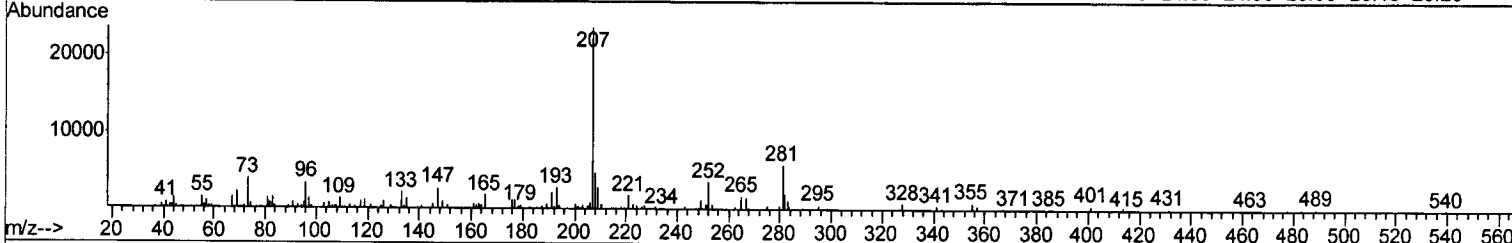
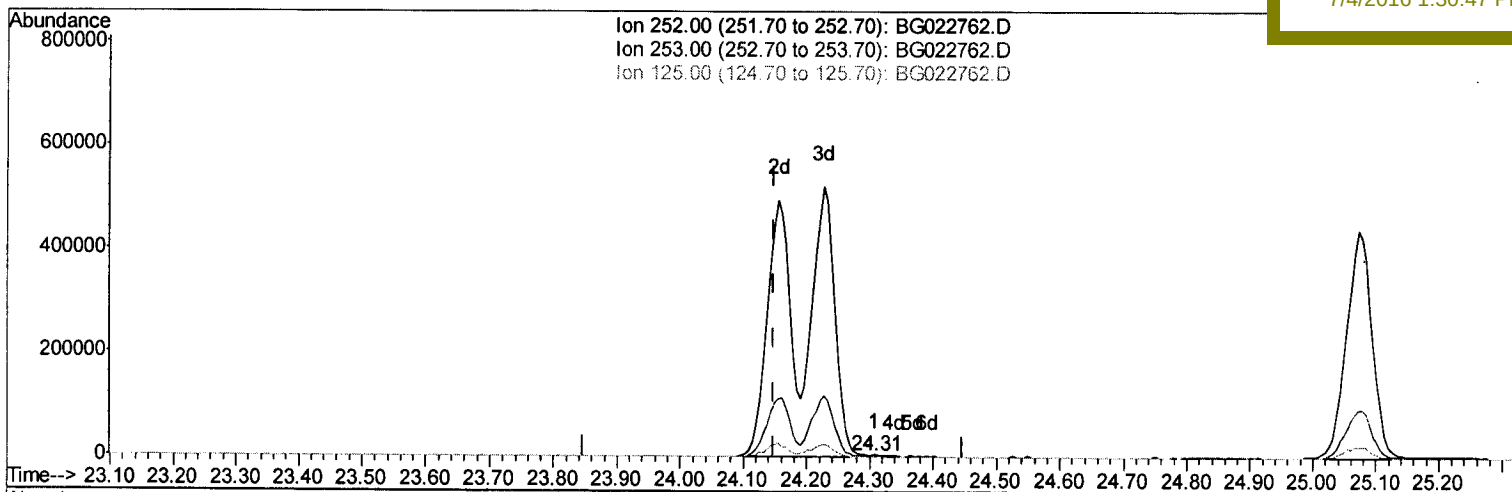
Data Path : Z:\HPCHEM1\BNA G\Data\BG070116\
 Data File : BG022762.D
 Acq On : 1 Jul 2016 17:44
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02011

Quant Time: Jul 04 08:15:32 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 04 04:18:08 2016
 Response via : Initial Calibration

Manual Integration

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TIC: BG022762.D

(85) Benzo(b)fluoranthene

24.308min (+0.161) 0.03ng/ul

response 1904

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	24.18
125.00	13.50	15.29
0.00	0.00	0.00

Quantitation Report (Qedit)

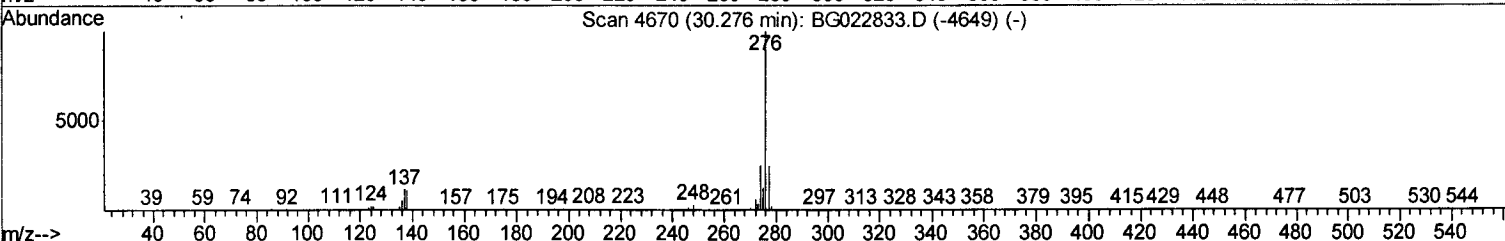
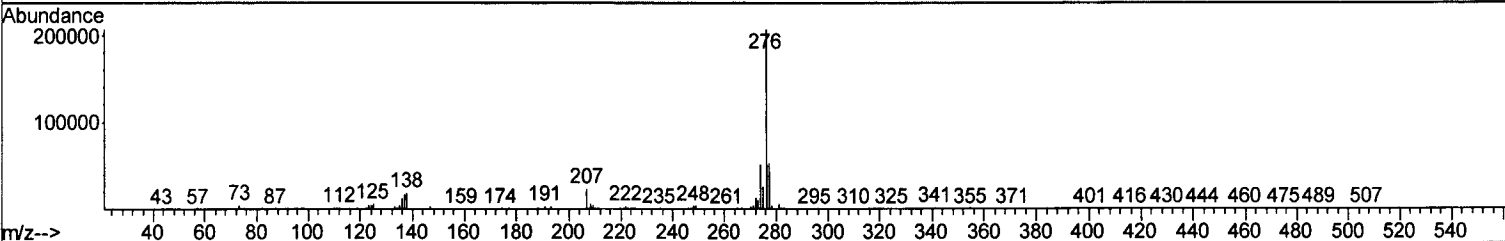
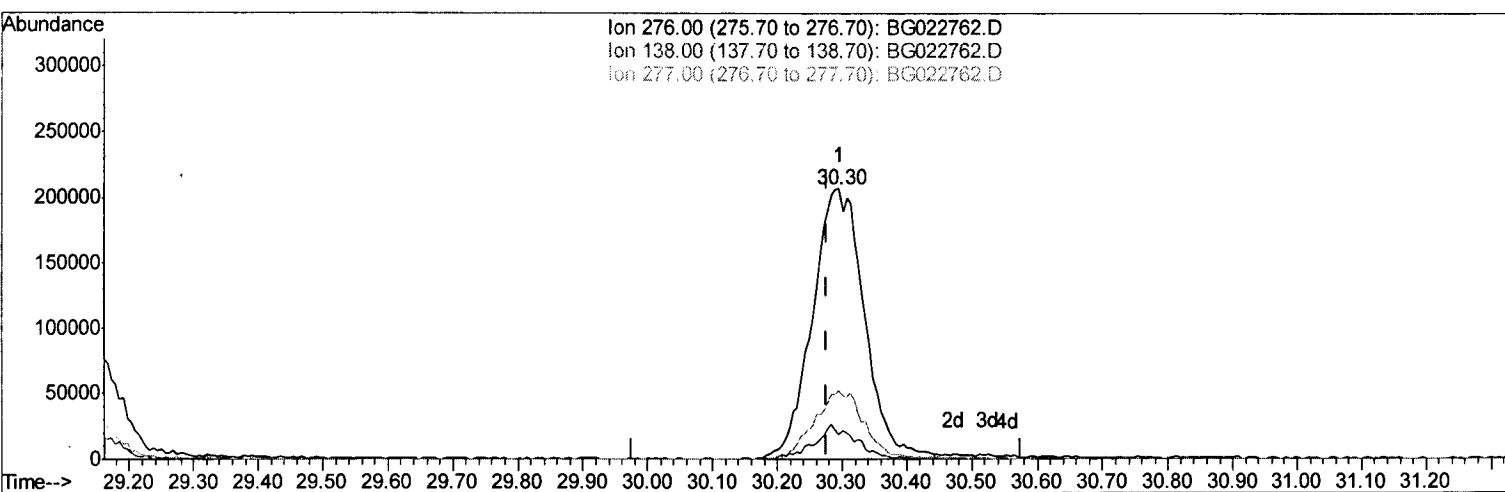
Data Path : Z:\HPCHEM1\BNA G\Data\BG070116\
 Data File : BG022762.D
 Acq On : 1 Jul 2016 17:44
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02011

Manual Integration

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Quant Time: Jul 04 08:15:32 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 04 04:18:08 2016
 Response via : Initial Calibration



TIC: BG022762.D

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

30.295min (+0.020) 22.40ng/ul m

response 1154402

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 07/09/16

Ion	Exp%	Act%
276.00	100	100
138.00	27.60	9.03#
277.00	21.20	25.16
0.00	0.00	0.00

Quantitation Report (Qedit)

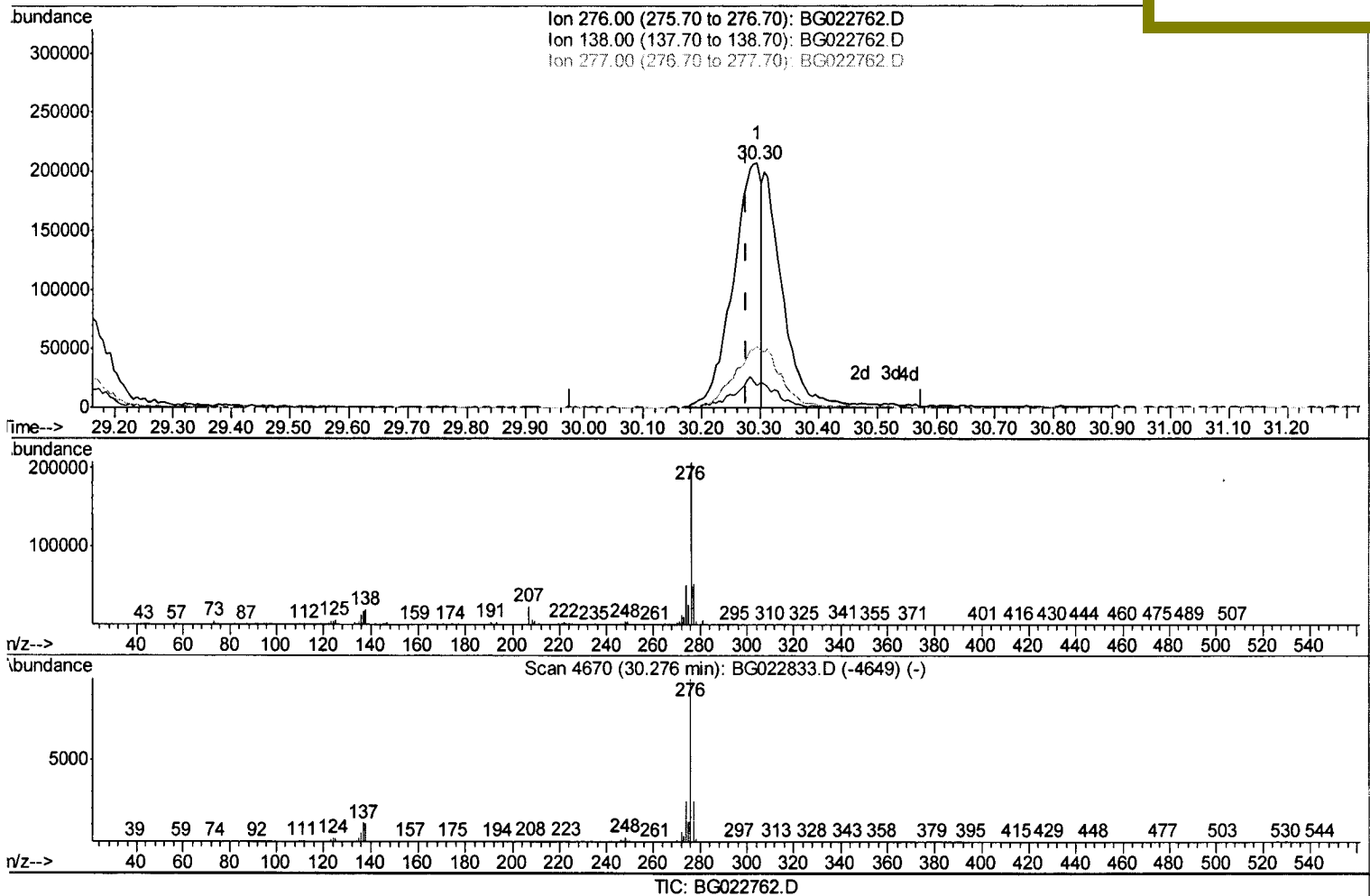
Data Path : Z:\HPCHEM1\BNA G\Data\BG070116\
 Data File : BG022762.D
 Acq On : 1 Jul 2016 17:44
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02011

Quant Time: Jul 04 08:15:32 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration

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

30.295min (+0.020) 13.27ng/ul

response 684006

Ion	Exp%	Act%
276.00	100	100
138.00	27.60	9.03#
277.00	21.20	25.16
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\Data\BG070116\
 Data File : BG022762.D
 Acq On : 1 Jul 2016 17:44
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02011

Quant Time: Jul 04 08:17:32 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 04 04:18:08 2016
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Manual Integration

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	95374	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	435247	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.81	164	368512	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.56	188	941878	20.00	ng/ul	0.00
75) Chrysene-d12	21.86	240	1011049	20.00	ng/ul	0.00
83) Perylene-d12	25.24	264	1047306	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	14455	8.47	ng/uL	0.00
5) Phenol-d5	7.31	99	201544	20.09	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	115124	20.35	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	132332	19.75	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	166549	21.37	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	70379	20.28	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	86372	20.63	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	180597	20.63	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	161105	21.73	ng/ul	0.00
43) Dimethylphthalate-d6	14.20	166	610786	20.40	ng/ul	0.01
46) Acenaphthylene-d8	14.50	160	687996	20.05	ng/ul	0.00
51) 4-Nitrophenol-d4	15.00	143	101240	21.54	ng/ul	0.01
57) Fluorene-d10	15.79	176	588840	20.76	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.91	200	117565	19.41	ng/ul	0.00
70) Anthracene-d10	17.66	188	896638	20.48	ng/ul	0.00
76) Pyrene-d10	19.94	212	1011658	20.95	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.00	264	986443	19.83	ng/ul	0.01

Target Compounds

					Ovalue	
2) 1,4-Dioxane	3.58	88	17817	8.91	ng/uL#	80
4) Benzaldehyde	7.29	77	138985	21.79	ng/ul#	83
6) Phenol	7.34	94	214941	20.92	ng/ul#	53
8) Bis(2-Chloroethyl)ether	7.57	93	145630	20.73	ng/ul	96
10) 2-Chlorophenol	7.72	128	134969	19.80	ng/ul#	85
11) 2-Methylphenol	8.60	108	154072	19.96	ng/ul	89
12) 2,2'-oxybis(1-Chloropropan	8.69	45	159779	20.23	ng/ul#	96
14) Acetophenone	8.99	105	259738	20.64	ng/ul#	86
15) N-Nitroso-di-n-propylamine	8.97	70	150718	19.93	ng/ul#	90
16) 4-Methylphenol	8.93	108	175596	20.46	ng/ul	85
17) Hexachloroethane	9.26	117	58778	20.25	ng/ul#	66
20) Nitrobenzene	9.38	77	227626	21.33	ng/ul#	78
21) Isophorone	9.90	82	397314	20.87	ng/ul#	89
23) 2-Nitrophenol	10.10	139	93321	21.00	ng/ul#	60
24) 2,4-Dimethylphenol	10.14	107	221115	20.79	ng/ul#	79
25) Bis(2-Chloroethoxy)methane	10.38	93	234017	20.83	ng/ul#	92
27) 2,4-Dichlorophenol	10.63	162	174913	19.88	ng/ul	96
28) Naphthalene	11.04	128	462187	20.77	ng/ul	98
30) 4-Chloroaniline	11.15	127	158383	20.92	ng/ul	94
31) Hexachlorobutadiene	11.32	225	141317	20.85	ng/ul	91
32) Caprolactam	11.90	113	62648m	21.34	ng/ul	
33) 4-Chloro-3-methylphenol	12.26	107	226610	20.36	ng/ul#	82
34) 2-Methylnaphthalene	12.64	142	386631	21.00	ng/ul	92

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Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\Data\BG070116\
 Data File : BG022762.D
 Acq On : 1 Jul 2016 17:44
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA G
 LabSampleId :
 SSTD02011

Manual Integration

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Quant Time: Jul 04 08:17:32 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 04 04:18:08 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.00	216	270915	19.67	ng/ul	96
37) Hexachlorocyclopentadiene	12.97	237	155016	18.64	ng/ul#	99
38) 2,4,6-Trichlorophenol	13.24	196	183533	19.32	ng/ul	92
39) 2,4,5-Trichlorophenol	13.32	196	194555	19.46	ng/ul	95
40) 1,1'-Biphenyl	13.64	154	550117	19.63	ng/ul	94
41) 2-Chloronaphthalene	13.69	162	440137	19.40	ng/ul	98
42) 2-Nitroaniline	13.89	65	171351	19.52	ng/ul#	67
44) Dimethylphthalate	14.25	163	608407	19.90	ng/ul#	99
45) 2,6-Dinitrotoluene	14.37	165	131222	19.83	ng/ul#	82
47) Acenaphthylene	14.53	152	705718	20.43	ng/ul	98
48) 3-Nitroaniline	14.71	138	115796	22.39	ng/ul#	52
49) Acenaphthene	14.87	153	458176	19.52	ng/ul	97
50) 2,4-Dinitrophenol	14.91	184	75283	20.47	ng/ul	90
52) 4-Nitrophenol	15.01	109	123305	20.63	ng/ul#	67
53) Dibenzofuran	15.20	168	740271	20.42	ng/ul	91
54) 2,4-Dinitrotoluene	15.16	165	200880	20.99	ng/ul#	81
55) 2,3,4,6-Tetrachlorophenol	15.43	232	210024	20.64	ng/ul#	91
56) Diethylphthalate	15.61	149	646396	20.81	ng/ul	96
58) Fluorene	15.85	166	600441	20.61	ng/ul	98
59) 4-Chlorophenyl-phenylether	15.84	204	345647	19.81	ng/ul	97
60) 4-Nitroaniline	15.87	138	130229m	20.97	ng/ul	97
63) 4,6-Dinitro-2-methylphenol	15.92	198	129598	20.19	ng/ul#	90
64) N-Nitrosodiphenylamine	16.05	169	554930	20.01	ng/ul	96
65) 4-Bromophenyl-phenylether	16.74	248	251692	19.98	ng/ul	95
66) Hexachlorobenzene	16.86	284	271155	20.33	ng/ul#	88
67) Atrazine	17.00	200	250762	21.68	ng/ul	96
68) Pentachlorophenol	17.20	266	152936	19.94	ng/ul	93
69) Phenanthrene	17.60	178	991467	20.58	ng/ul	98
71) Anthracene	17.69	178	1033793	20.88	ng/ul	99
72) Carbazole	17.96	167	838178	22.88	ng/ul	97
73) Di-n-butylphthalate	18.50	149	1017476	21.64	ng/ul#	95
74) Fluoranthene	19.61	202	1188921	23.69	ng/ul#	84
77) Pyrene	19.97	202	1184854	20.93	ng/ul#	84
78) Butylbenzylphthalate	20.84	149	466994	21.28	ng/ul#	86
79) 3,3'-Dichlorobenzidine	21.75	252	446995	23.35	ng/ul#	95
80) Benzo(a)anthracene	21.84	228	1262469	21.29	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.72	149	641107	22.63	ng/ul#	95
82) Chrysene	21.91	228	1144487	21.20	ng/ul	97
84) Di-n-octyl phthalate	22.99	149	1099433	23.82	ng/ul	100
85) Benzo(b)fluoranthene	24.16	252	1269087m	19.39	ng/ul	87
86) Benzo(k)fluoranthene	24.23	252	1250222	20.34	ng/ul#	87
88) Benzo(a)pyrene	25.07	252	1221482	19.64	ng/ul#	87
89) Indeno(1,2,3-cd)pyrene	29.08	276	1384738	21.06	ng/ul#	82
90) Dibenzo(a,h)anthracene	29.16	278	1157660	21.30	ng/ul#	88
91) Benzo(g,h,i)perylene	30.30	276	1154402m	22.40	ng/ul	88

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