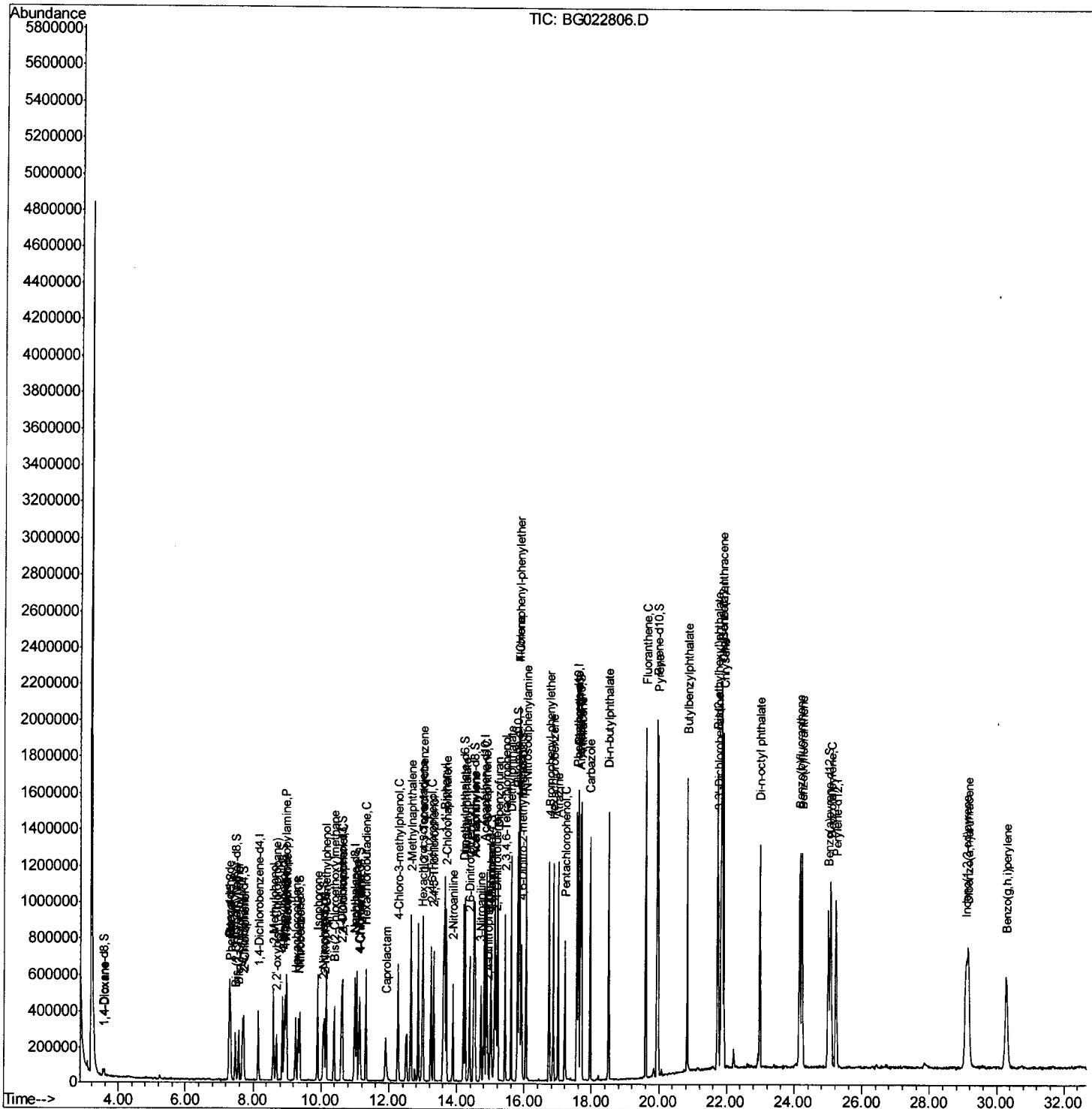


(QT Reviewed)

```
Data Path   : Z:\HPCHEM1\BNA G\DATA\BG070216\  
Data File  : BG022806.D  
Acq On     : 2 Jul 2016 23:08  
Operator   : UM/SJ  
Sample     : SSTDCCC020EC  
Misc       :  
ALS Vial   : 2      Sample Multiplier: 1
```

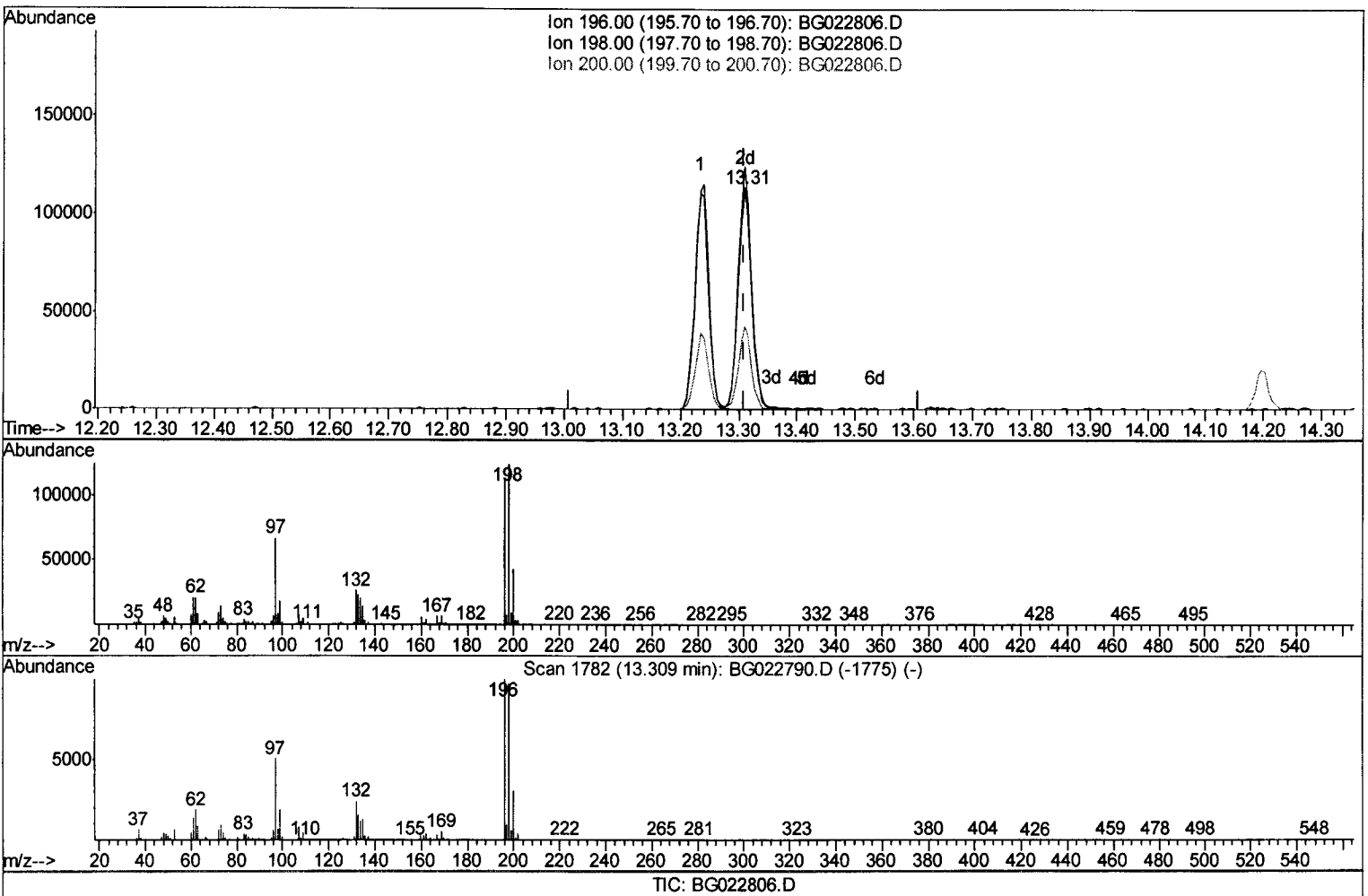
Quant Time: Jul 03 01:38:35 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Jul 03 00:31:55 2016
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070216\
 Data File : BG022806.D
 Acq On : 2 Jul 2016 23:08
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 00:34:47 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 03 00:31:55 2016
 Response via : Initial Calibration



(39) 2,4,5-Trichlorophenol

13.311min (+0.002) 19.83ng/ul m U.M

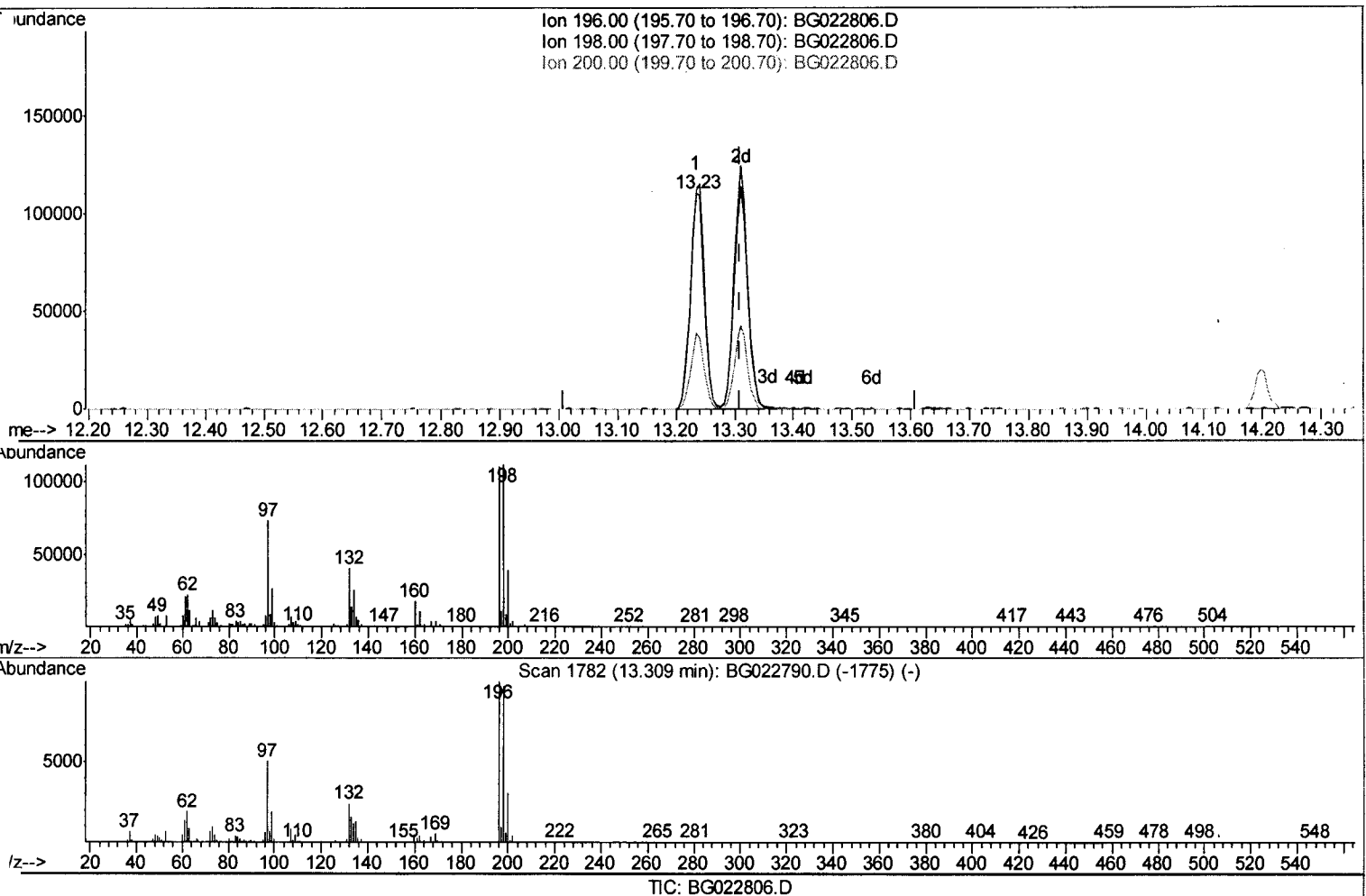
response 192708

Ion	Exp%	Act%
196.00	100	100
198.00	99.80	109.56
200.00	30.00	37.27#
0.00	0.00	0.00

07/01/16

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070216\
Data File : BG022806.D
Acq On : 2 Jul 2016 23:08
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 00:34:47 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Jul 03 00:31:55 2016
Response via : Initial Calibration



(39) 2,4,5-Trichlorophenol

13.234min (-0.075) 18.94ng/ul

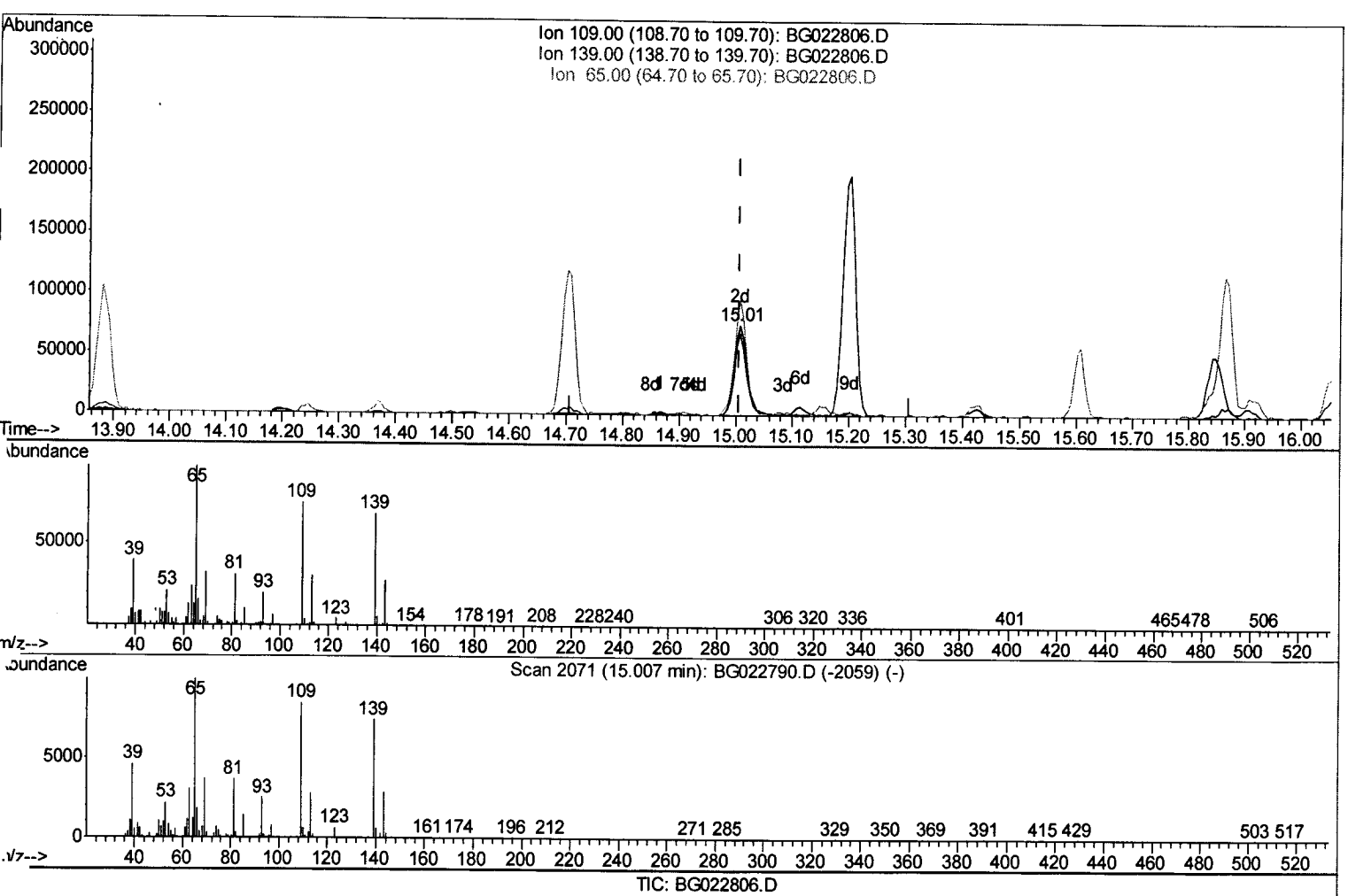
response 184048

Ion	Exp%	Act%
196.00	100	100
198.00	99.80	101.34
200.00	30.00	35.55
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070216\
 Data File : BG022806.D
 Acq On : 2 Jul 2016 23:08
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 00:34:47 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 03 00:31:55 2016
 Response via : Initial Calibration



(52) 4-Nitrophenol

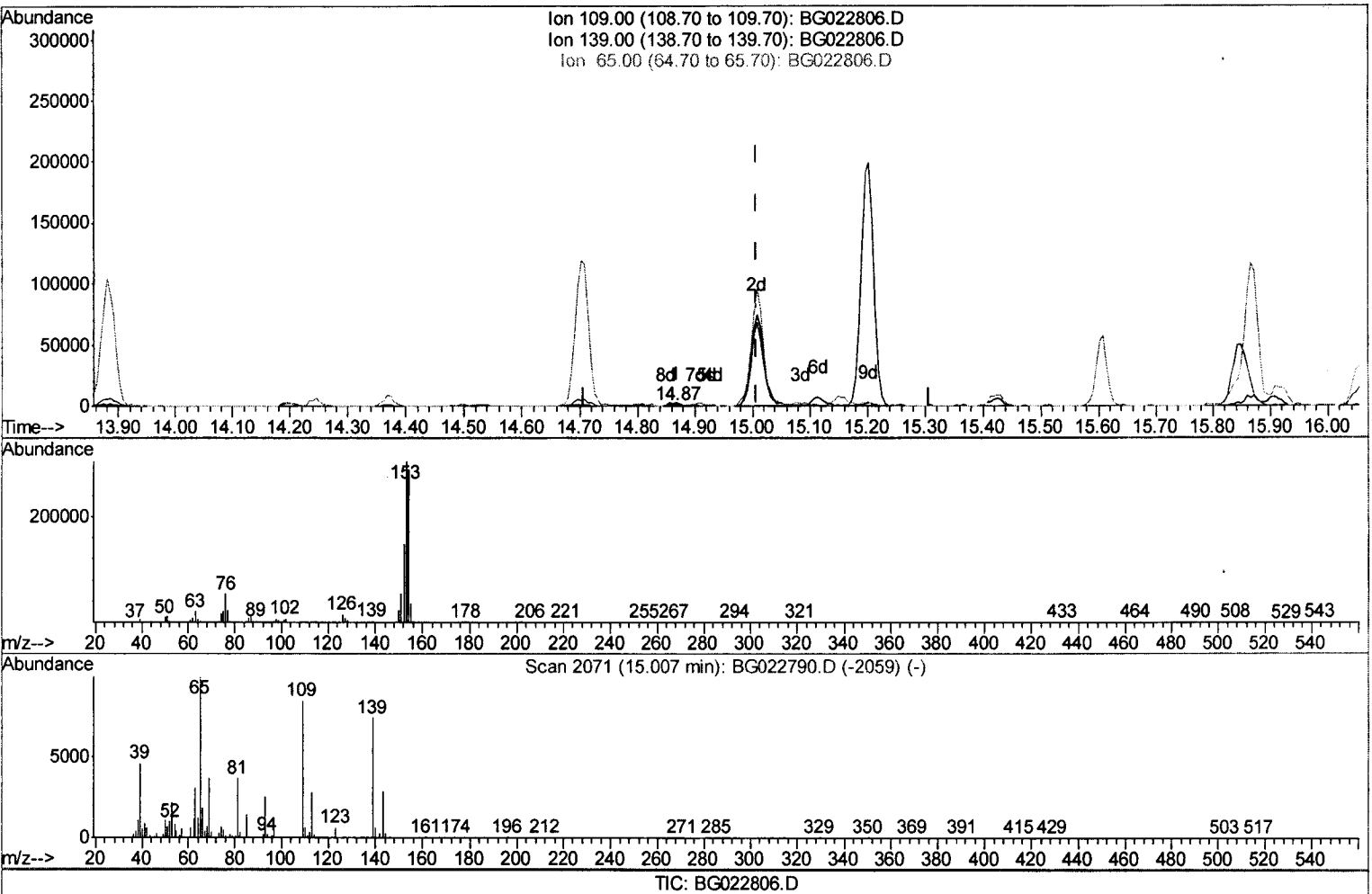
15.009min (+0.002) 20.77ng/ul m U.M

response 120691

Ion	Exp%	Act%
109.00	100	100
139.00	170.10	90.85#
65.00	132.50	128.60
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070216\
Data File : BG022806.D
Acq On : 2 Jul 2016 23:08
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 00:34:47 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Jul 03 00:31:55 2016
Response via : Initial Calibration



(52) 4-Nitrophenol

14.868min (-0.139) 0.28ng/ul

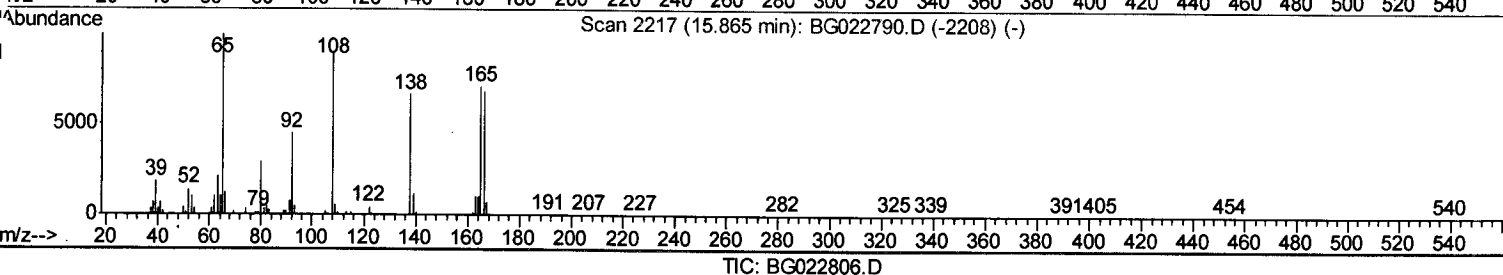
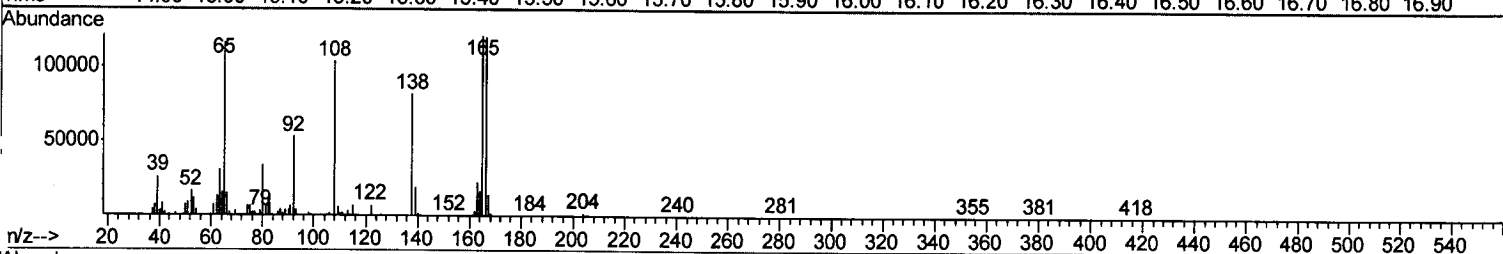
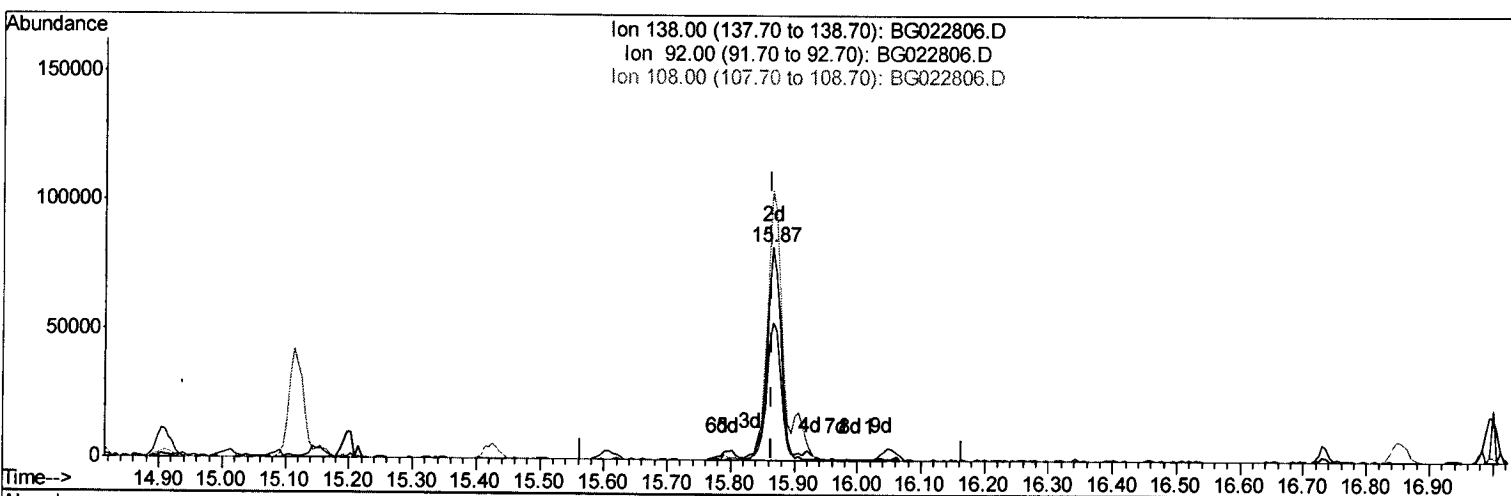
response 1625

Ion	Exp%	Act%
109.00	100	100
139.00	170.10	181.39
65.00	132.50	136.17
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070216\
 Data File : BG022806.D
 Acq On : 2 Jul 2016 23:08
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 00:34:47 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 03 00:31:55 2016
 Response via : Initial Calibration



(60) 4-Nitroaniline

15.866min (+0.002) 21.52ng/ul m V. M

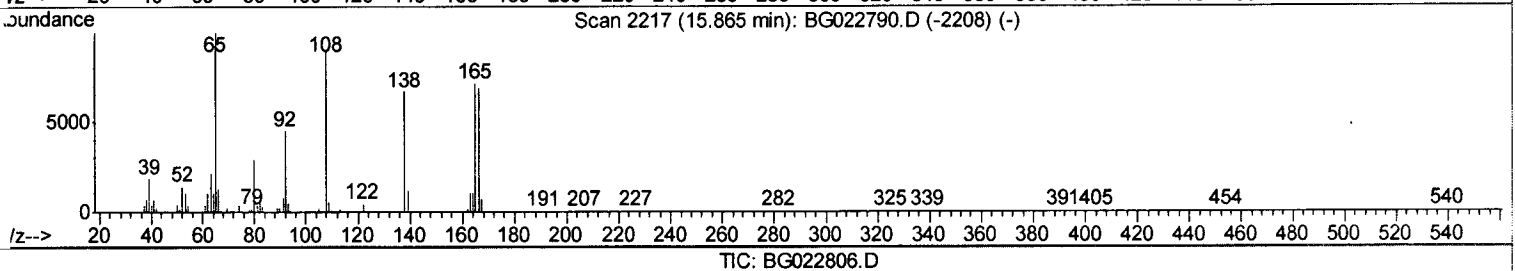
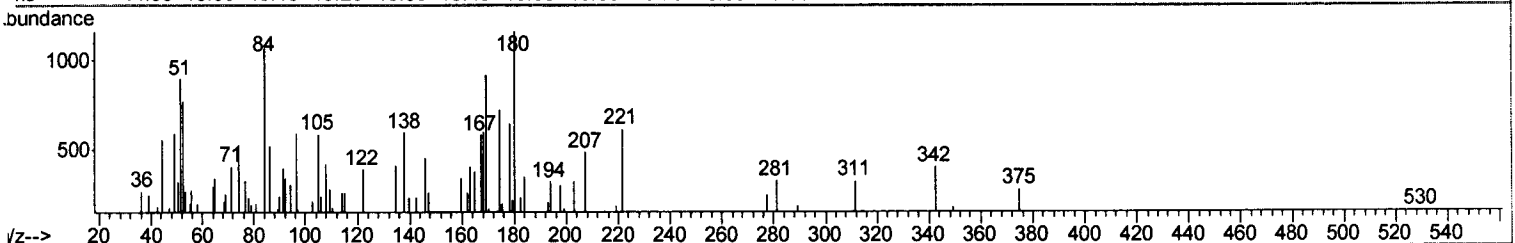
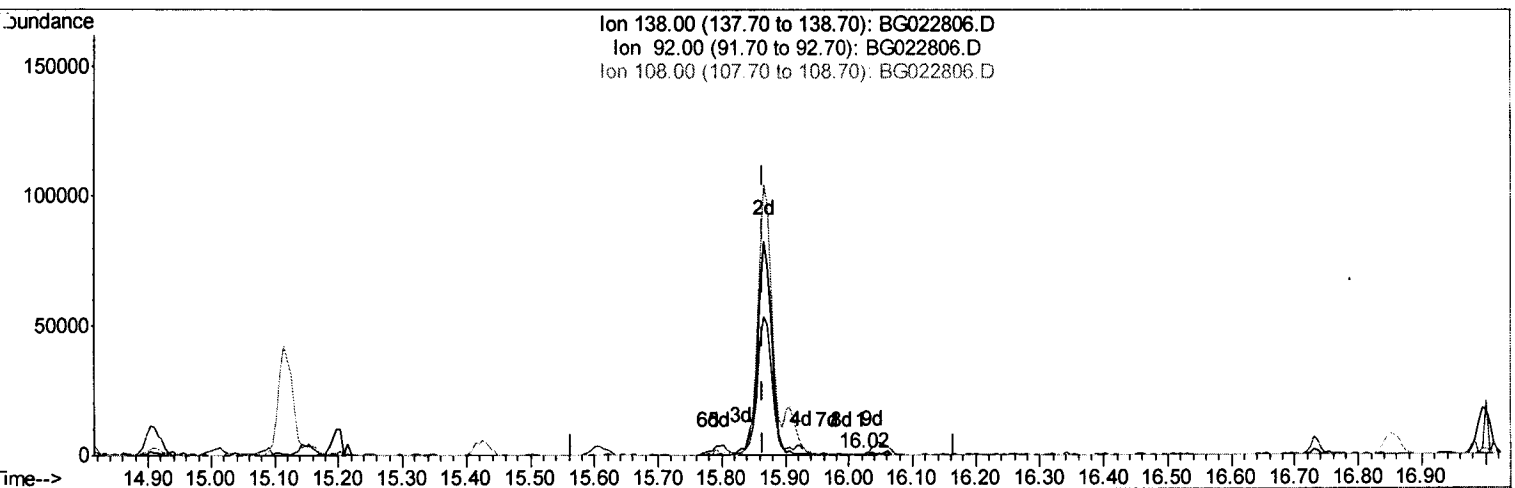
response 129944

07/11/16

Ion	Exp%	Act%
138.00	100	100
92.00	48.70	64.43#
108.00	61.50	126.24#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070216\
Data File : BG022806.D
Acq On : 2 Jul 2016 23:08
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 00:34:47 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Jul 03 00:31:55 2016
Response via : Initial Calibration



(60) 4-Nitroaniline

16.019min (+0.155) 0.05ng/ul

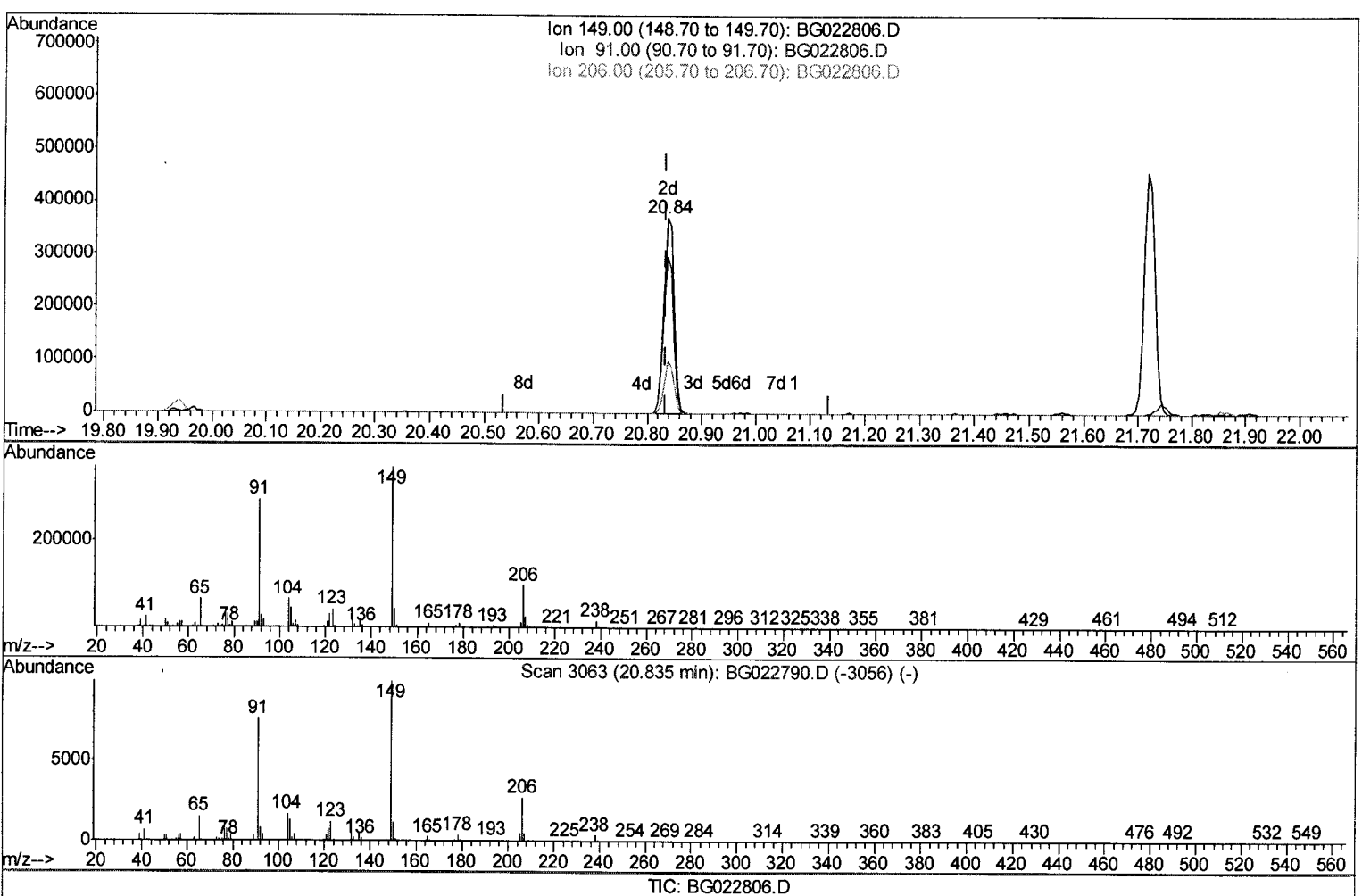
response 287

Ion	Exp%	Act%
138.00	100	100
92.00	48.70	57.83
108.00	61.50	70.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070216\
 Data File : BG022806.D
 Acq On : 2 Jul 2016 23:08
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 00:34:47 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 03 00:31:55 2016
 Response via : Initial Calibration



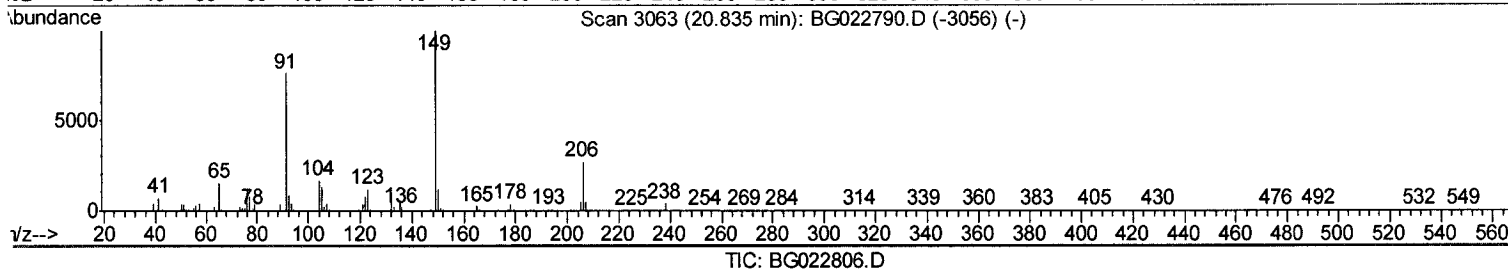
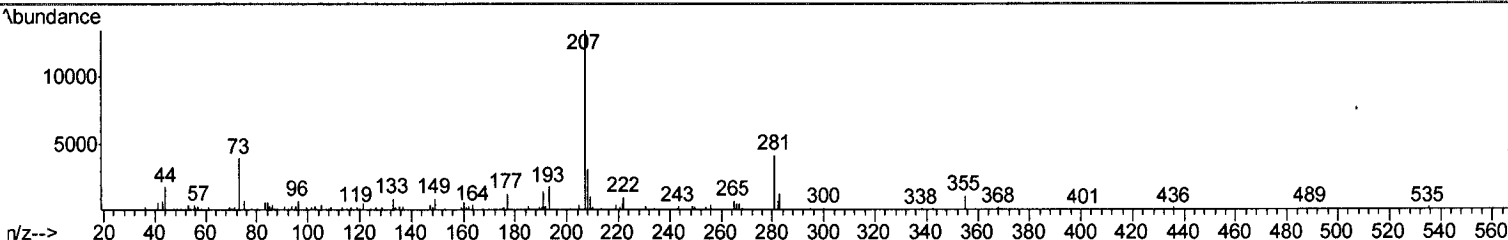
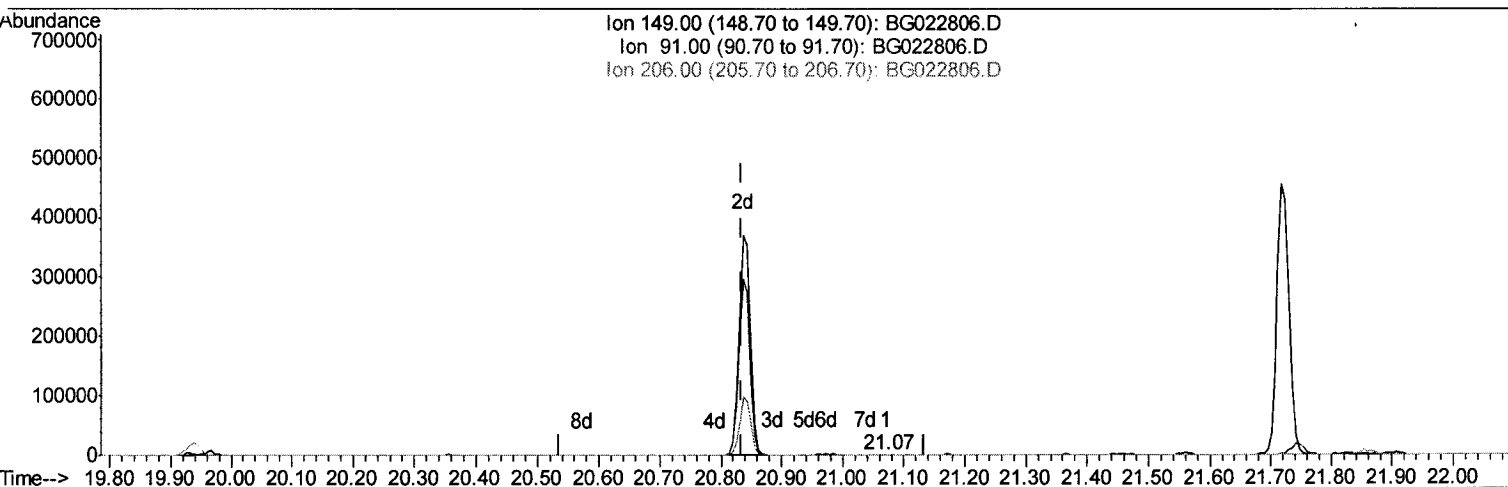
(78) Butylbenzylphthalate

20.837min (+0.002) 20.15ng/ul m U.M
 response 467044 07/21/16

Ion	Exp%	Act%
149.00	100	100
91.00	67.80	79.79
206.00	17.60	26.48#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070216\
Data File : BG022806.D
Acq On : 2 Jul 2016 23:08
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 00:34:47 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Jul 03 00:31:55 2016
Response via : Initial Calibration



(78) Butylbenzylphthalate

21.072min (+0.237) 0.02ng/ul

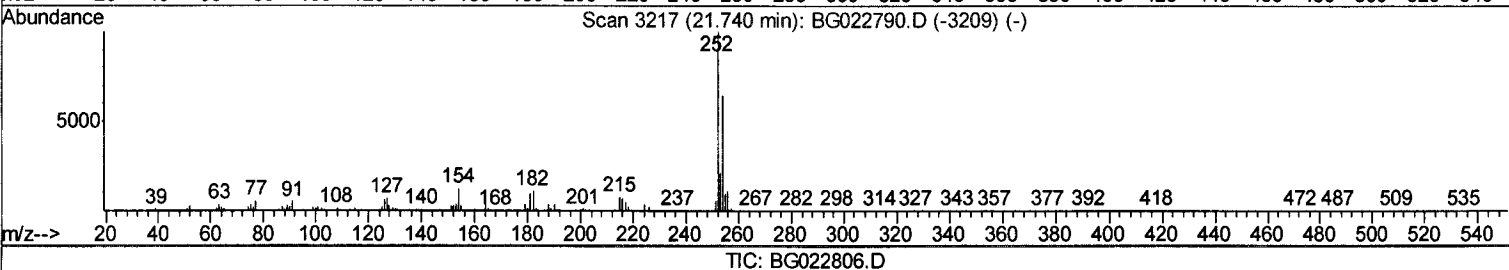
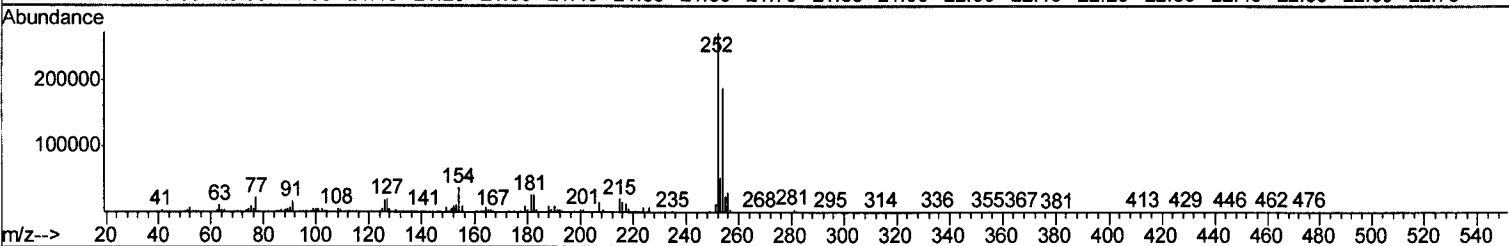
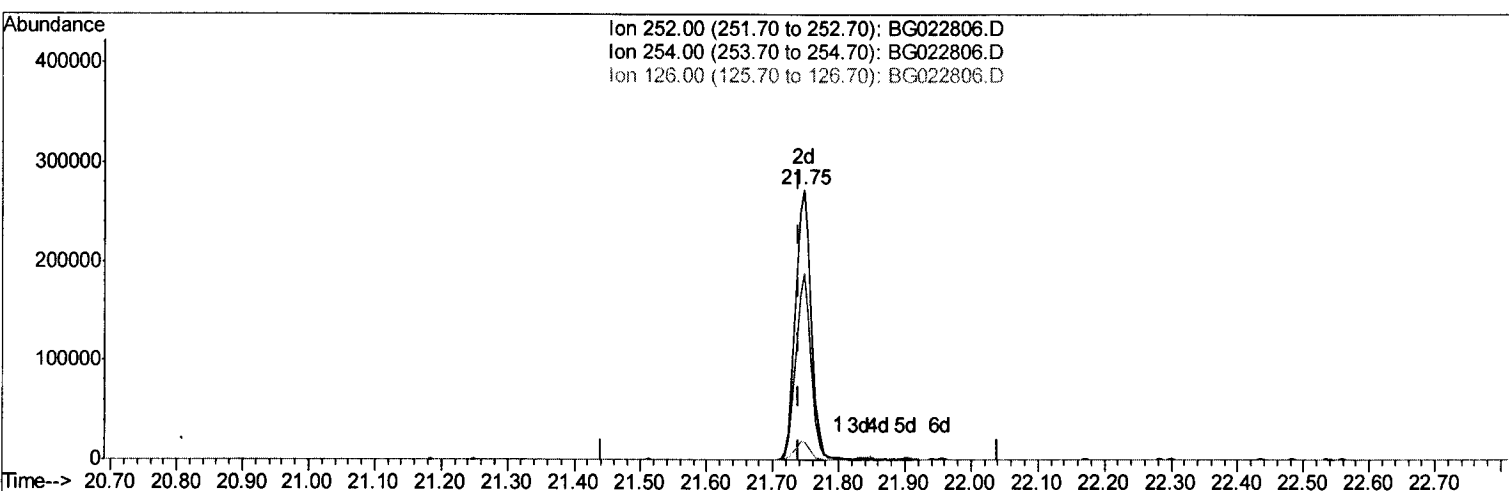
response 545

Ion	Exp%	Act%
149.00	100	100
91.00	67.80	61.28
206.00	17.60	16.06
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070216\
 Data File : BG022806.D
 Acq On : 2 Jul 2016 23:08
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 00:34:47 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 03 00:31:55 2016
 Response via : Initial Calibration



TIC: BG022806.D

(79) 3,3'-Dichlorobenzidine

21.748min (+0.008) 22.28ng/ul m U.M

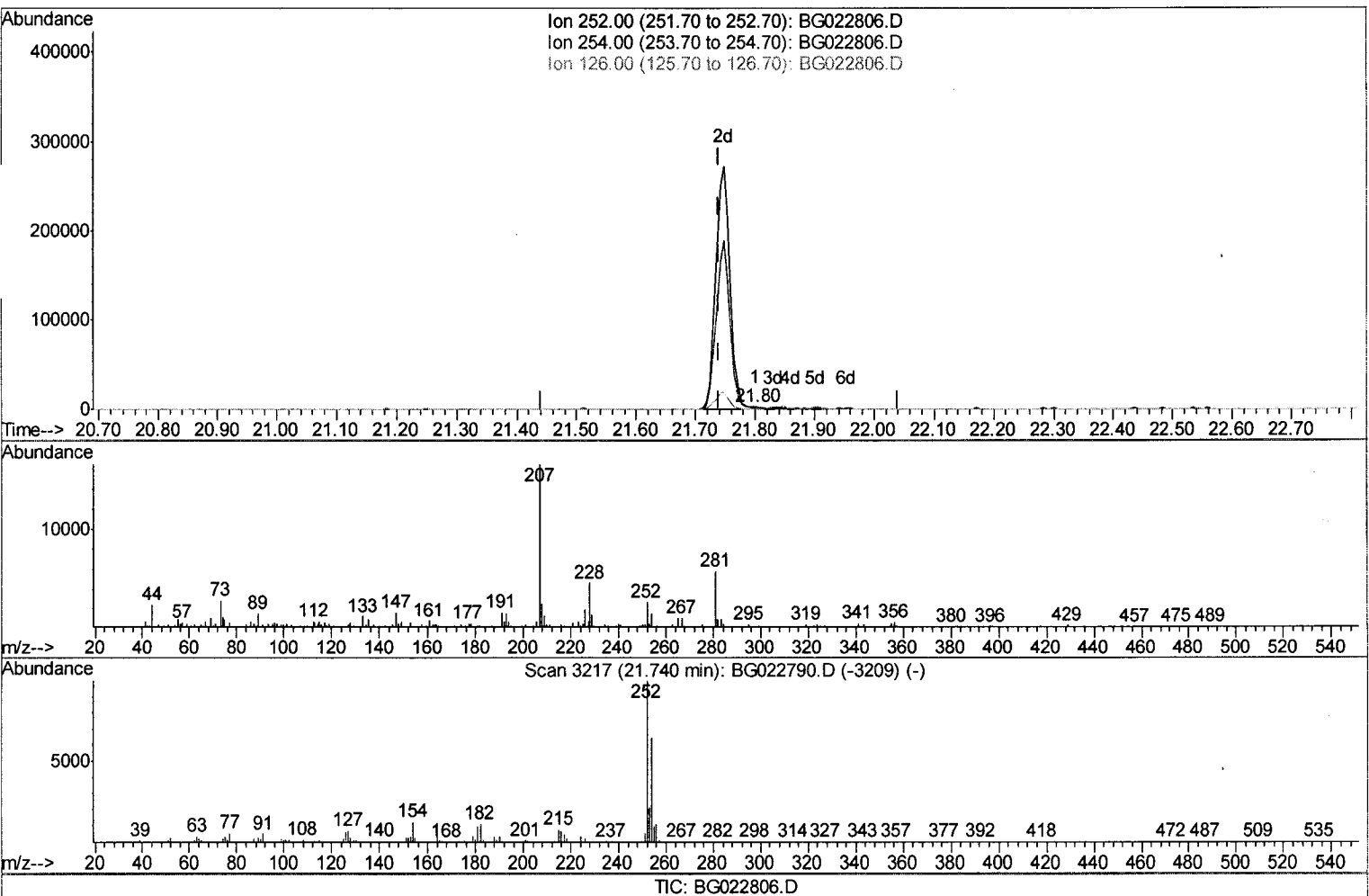
response 450562

07/11/16

Ion	Exp%	Act%
252.00	100	100
254.00	64.30	68.95
126.00	13.40	6.98#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070216\
Data File : BG022806.D
Acq On : 2 Jul 2016 23:08
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 00:34:47 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Jul 03 00:31:55 2016
Response via : Initial Calibration



(79) 3,3'-Dichlorobenzidine

21.801min (+0.061) 0.08ng/ul

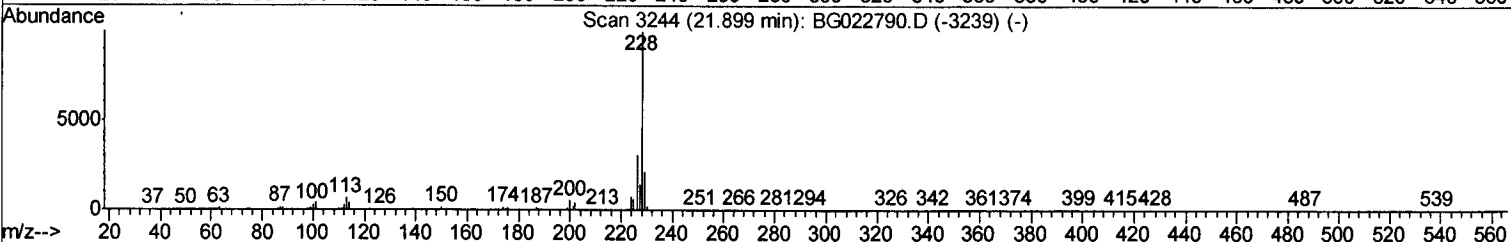
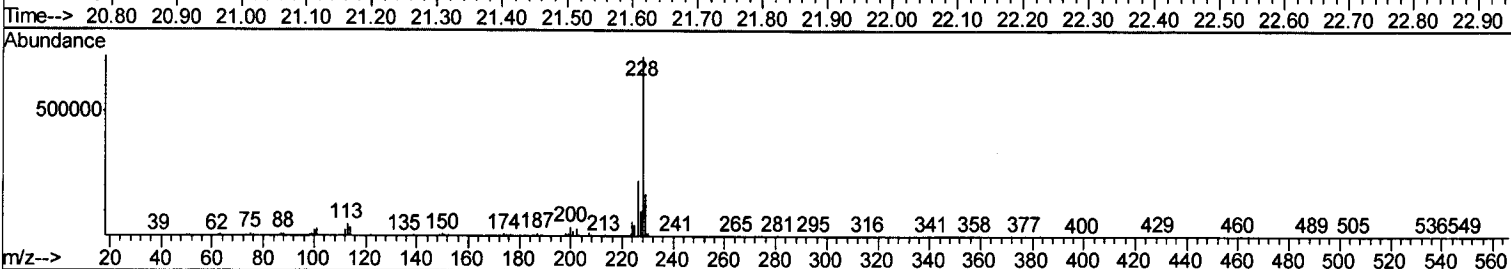
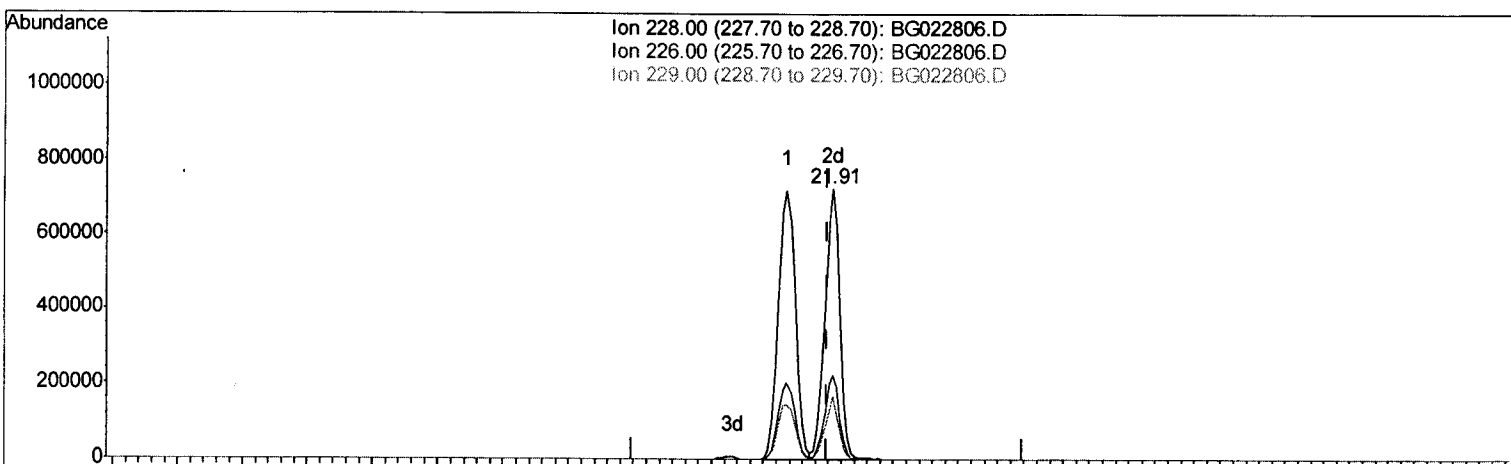
response 1603

Ion	Exp%	Act%
252.00	100	100
254.00	64.30	53.78
126.00	13.40	12.22
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070216\
 Data File : BG022806.D
 Acq On : 2 Jul 2016 23:08
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 00:34:47 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 03 00:31:55 2016
 Response via : Initial Calibration



TIC: BG022806.D

(82) Chrysene

21.906min (+0.008) 20.45ng/ul m U.M

response 1166003

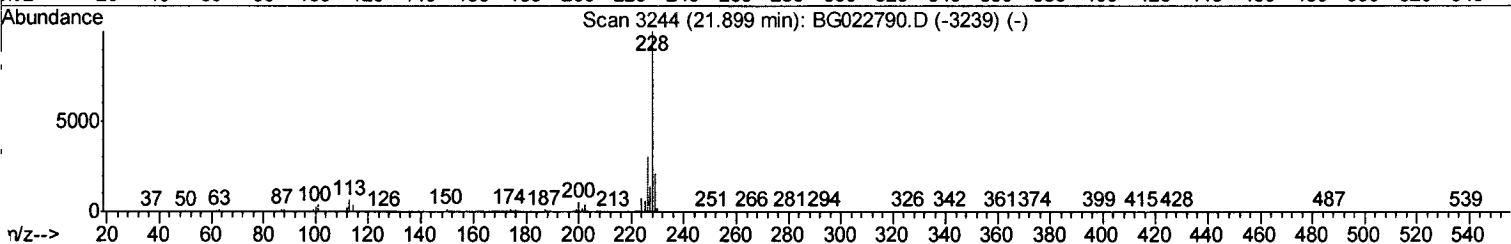
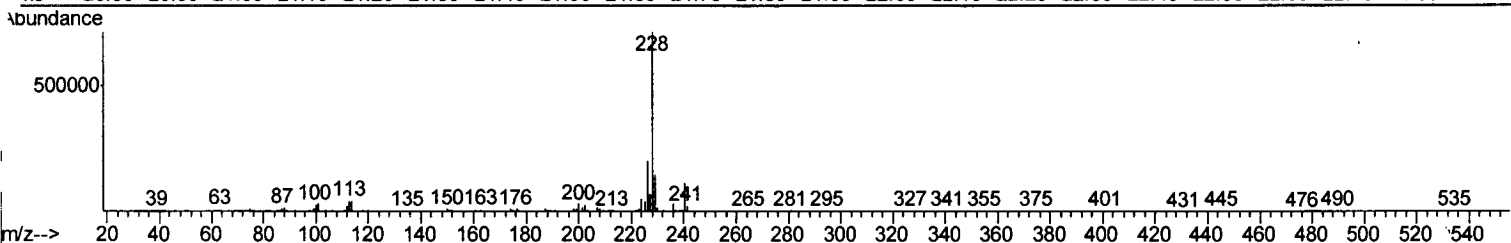
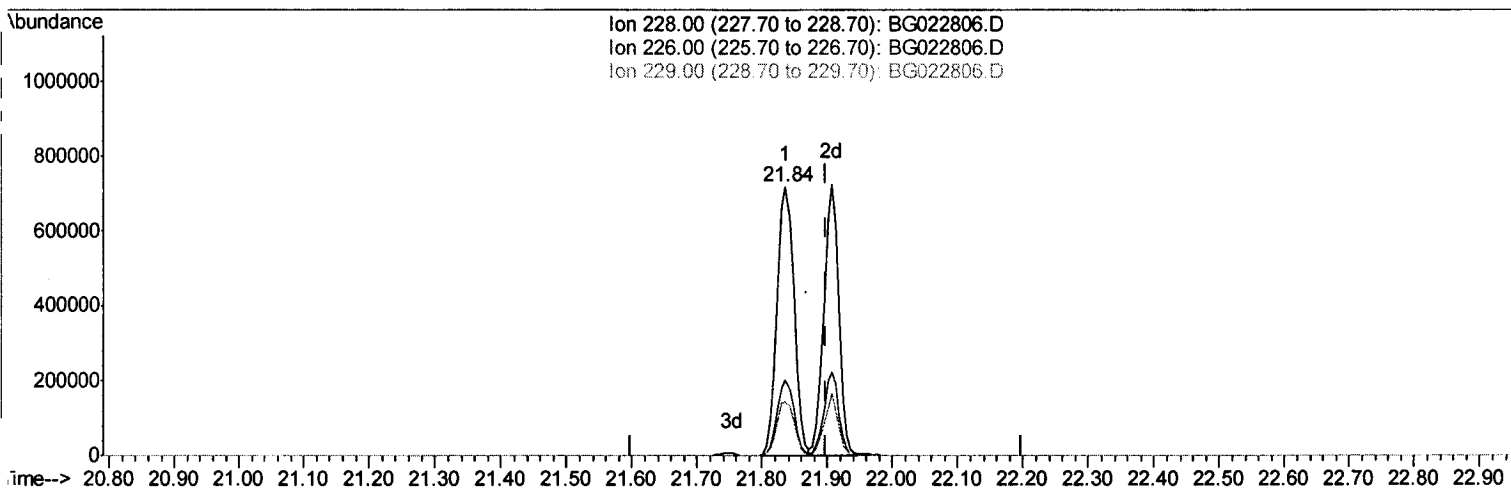
07/21/16

Ion	Exp%	Act%
228.00	100	100
226.00	30.30	31.07
229.00	18.80	23.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070216\
Data File : BG022806.D
Acq On : 2 Jul 2016 23:08
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 00:34:47 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Jul 03 00:31:55 2016
Response via : Initial Calibration



TIC: BG022806.D

(82) Chrysene

21.836min (-0.063) 22.53ng/ul

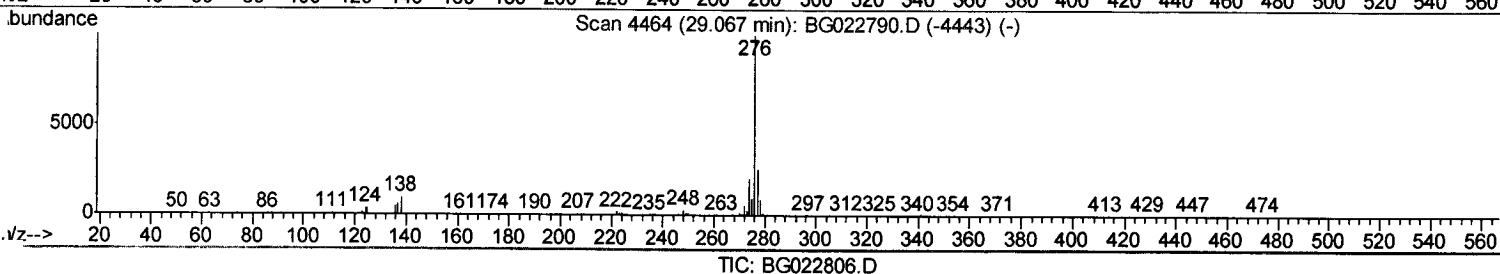
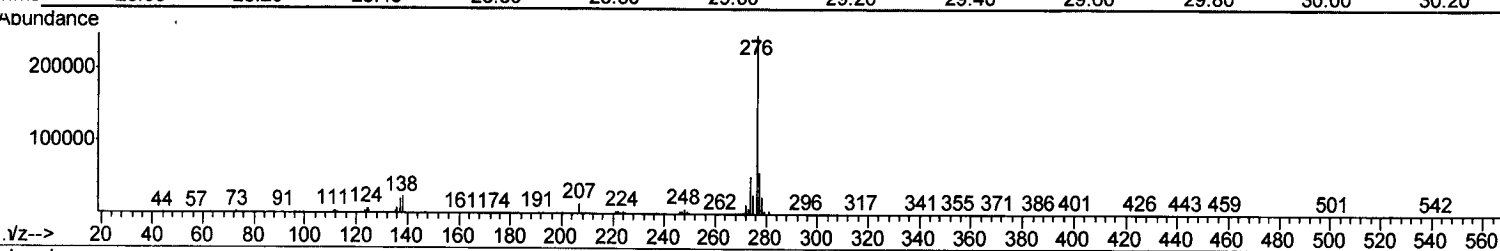
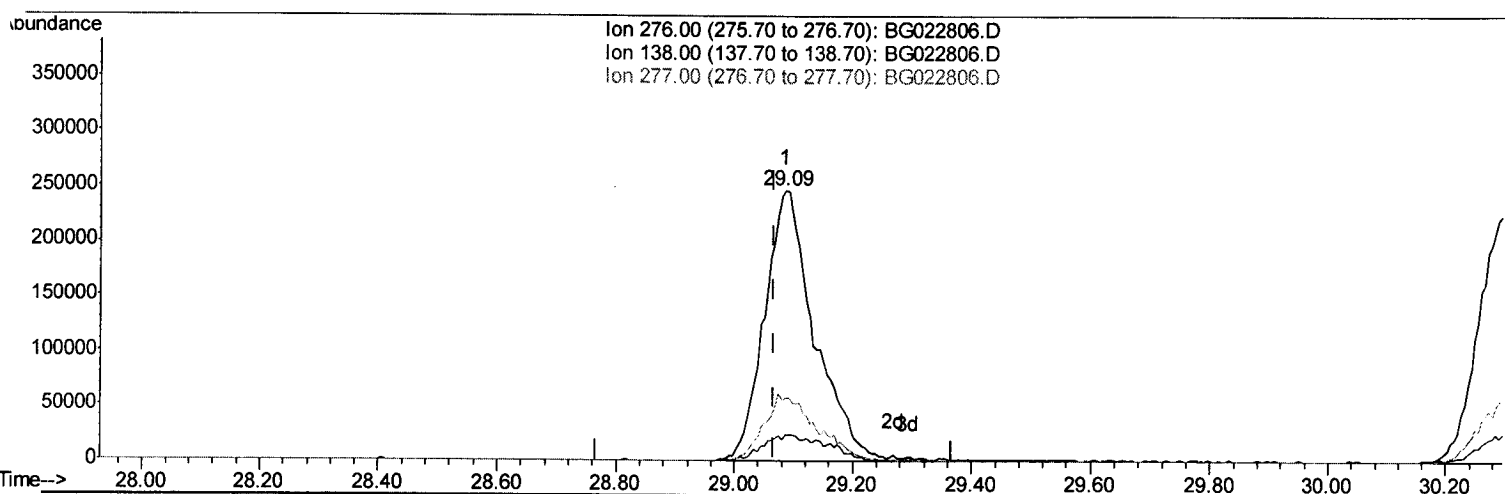
response 1284725

Ion	Exp%	Act%
228.00	100	100
226.00	30.30	28.46
229.00	18.80	20.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070216\
 Data File : BG022806.D
 Acq On : 2 Jul 2016 23:08
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 00:34:47 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 03 00:31:55 2016
 Response via : Initial Calibration



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

29.086min (+0.019) 21.72ng/ul m U.M

response 1444431

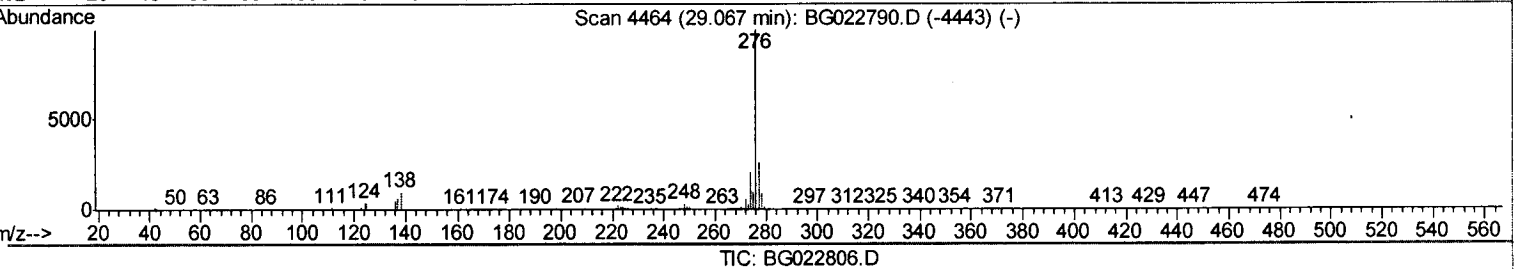
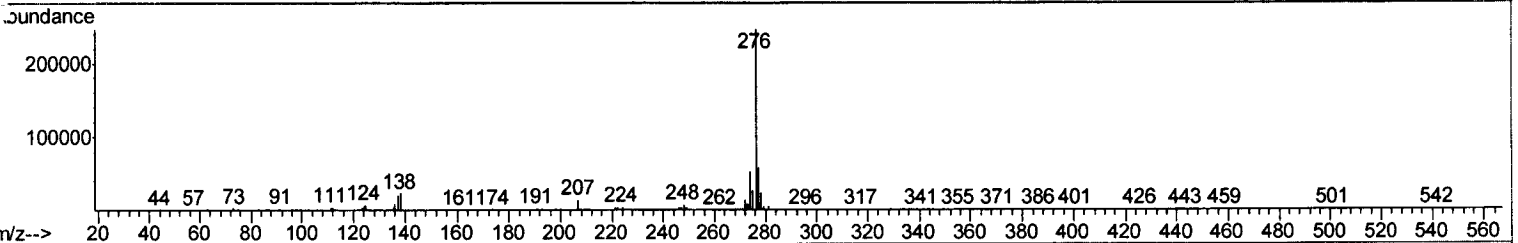
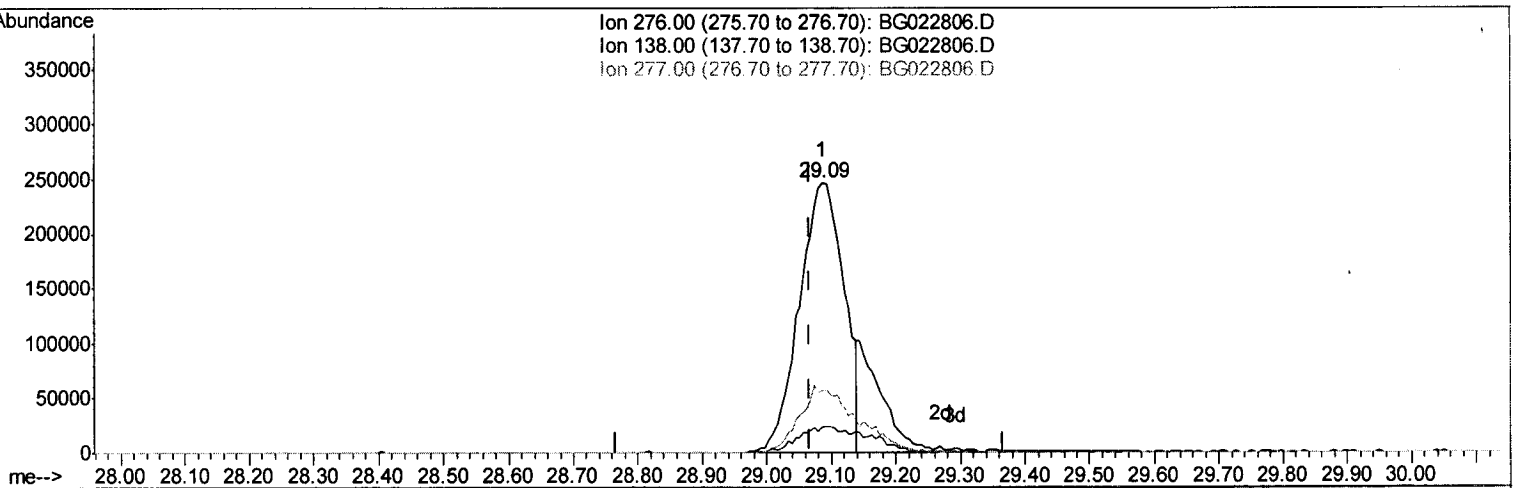
07/11/16

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	9.58#
277.00	22.00	23.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070216\
 Data File : BG022806.D
 Acq On : 2 Jul 2016 23:08
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 00:34:47 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 03 00:31:55 2016
 Response via : Initial Calibration



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

29.086min (+0.019) 17.78ng/ul

response 1182310

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	9.58#
277.00	22.00	23.08
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070216\
 Data File : BG022806.D
 Acq On : 2 Jul 2016 23:08
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 01:38:35 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 03 00:31:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.00	216	280544	20.96	ng/ul	97
37) Hexachlorocyclopentadiene	12.98	237	167443	20.71	ng/ul#	96
38) 2,4,6-Trichlorophenol	13.23	196	184048	19.93	ng/ul	95
39) 2,4,5-Trichlorophenol	13.31	196	192708m	19.83	ng/ul	92
40) 1,1'-Biphenyl	13.63	154	574245	21.09	ng/ul#	96
41) 2-Chloronaphthalene	13.68	162	452970	20.54	ng/ul	64
42) 2-Nitroaniline	13.88	65	172012	20.17	ng/ul#	99
44) Dimethylphthalate	14.24	163	614225	20.67	ng/ul#	80
45) 2,6-Dinitrotoluene	14.37	165	132563	20.61	ng/ul#	99
47) Acenaphthylene	14.53	152	699268	20.83	ng/ul	46
48) 3-Nitroaniline	14.70	138	106879	21.27	ng/ul#	92
49) Acenaphthene	14.87	153	475309	20.84	ng/ul	64
50) 2,4-Dinitrophenol	14.91	184	68849	19.26	ng/ul#	87
52) 4-Nitrophenol	15.01	109	120691m	20.77	ng/ul	68
53) Dibenzofuran	15.20	168	747488	21.21	ng/ul#	93
54) 2,4-Dinitrotoluene	15.16	165	198550	21.35	ng/ul#	96
55) 2,3,4,6-Tetrachlorophenol	15.43	232	203626	20.59	ng/ul	99
56) Diethylphthalate	15.61	149	642733	21.29	ng/ul	99
58) Fluorene	15.85	166	587984	20.77	ng/ul	92
59) 4-Chlorophenyl-phenylether	15.84	204	350524	20.67	ng/ul	95
60) 4-Nitroaniline	15.87	138	129944m	21.52	ng/ul	95
63) 4,6-Dinitro-2-methylphenol	15.92	198	123290	19.40	ng/ul#	93
64) N-Nitrosodiphenylamine	16.05	169	535454	19.50	ng/ul	97
65) 4-Bromophenyl-phenylether	16.74	248	241284	19.34	ng/ul	92
66) Hexachlorobenzene	16.85	284	264719	20.04	ng/ul	95
67) Atrazine	16.99	200	246591	21.53	ng/ul	96
68) Pentachlorophenol	17.20	266	148555	19.57	ng/ul	99
69) Phenanthrene	17.60	178	975874	20.46	ng/ul	98
71) Anthracene	17.69	178	1001690	20.44	ng/ul	99
72) Carbazole	17.96	167	819843	22.60	ng/ul	96
73) Di-n-butylphthalate	18.50	149	1008886	21.67	ng/ul#	85
74) Fluoranthene	19.60	202	1206795	24.28	ng/ul#	83
77) Pyrene	19.97	202	1229534	20.57	ng/ul#	99
78) Butylbenzylphthalate	20.84	149	467044m	20.15	ng/ul	99
79) 3,3'-Dichlorobenzidine	21.75	252	450562m	22.28	ng/ul	99
80) Benzo(a)anthracene	21.84	228	1284725	20.51	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.72	149	641966	21.46	ng/ul#	100
82) Chrysene	21.91	228	1166003m	20.45	ng/ul	91
84) Di-n-octyl phthalate	22.99	149	1101589	23.59	ng/ul	86
85) Benzo(b)fluoranthene	24.15	252	1311089	19.80	ng/ul#	89
86) Benzo(k)fluoranthene	24.22	252	1282055	20.62	ng/ul#	83
88) Benzo(a)pyrene	25.07	252	1265463	20.12	ng/ul#	78
89) Indeno(1,2,3-cd)pyrene	29.09	276	1444431m	21.72	ng/ul	
90) Dibenzo(a,h)anthracene	29.15	278	1149665	20.91	ng/ul#	
91) Benzo(a,h,i)perylene	30.30	276	1181812	22.67	ng/ul#	

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

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070216\
 Data File : BG022806.D
 Acq On : 2 Jul 2016 23:08
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 01:38:35 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jul 03 00:31:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	110681	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	476556	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.80	164	358161	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	932582	20.00	ng/ul	0.00
75) Chrysene-d12	21.86	240	1067780	20.00	ng/ul	0.00
83) Perylene-d12	25.23	264	1059379	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	17254	8.71	ng/uL	0.00
5) Phenol-d5	7.31	99	211432	18.16	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	134025	20.41	ng/ul	0.00
9) 2-Chlorophenol-d4	7.68	132	140757	18.10	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	163649	18.10	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	71068	18.70	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	87307	19.05	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	180789	18.86	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	179273	22.09	ng/ul	0.00
43) Dimethylphthalate-d6	14.20	166	623540	21.43	ng/ul	0.00
46) Acenaphthylene-d8	14.50	160	700161	21.00	ng/ul	0.00
51) 4-Nitrophenol-d4	14.99	143	98932	21.65	ng/ul	0.00
57) Fluorene-d10	15.80	176	574317	20.83	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.91	200	121078	20.19	ng/ul	0.00
70) Anthracene-d10	17.65	188	883156	20.37	ng/ul	0.00
76) Pyrene-d10	19.94	212	1061397	20.81	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.00	264	1014190	20.15	ng/ul	0.00

Target Compounds

					Ovalue	
2) 1,4-Dioxane	3.58	88	19529	8.41	ng/uL#	61
4) Benzaldehyde	7.29	77	149146	20.15	ng/ul	88
6) Phenol	7.34	94	215345	18.06	ng/ul#	67
8) Bis(2-Chloroethyl)ether	7.57	93	167454	20.54	ng/ul#	94
10) 2-Chlorophenol	7.72	128	142008	17.95	ng/ul#	84
11) 2-Methylphenol	8.60	108	161513	18.03	ng/ul	90
12) 2,2'-oxybis(1-Chloropropan	8.69	45	184583	20.13	ng/ul	93
14) Acetophenone	8.99	105	279177	19.12	ng/ul#	78
15) N-Nitroso-di-n-propylamine	8.96	70	168514	19.20	ng/ul#	87
16) 4-Methylphenol	8.93	108	181438	18.22	ng/ul	90
17) Hexachloroethane	9.26	117	66103	19.63	ng/ul#	59
20) Nitrobenzene	9.37	77	236627	20.25	ng/ul#	81
21) Isophorone	9.90	82	438401	21.03	ng/ul#	92
23) 2-Nitrophenol	10.09	139	94060	19.34	ng/ul#	42
24) 2,4-Dimethylphenol	10.14	107	228112	19.59	ng/ul#	79
25) Bis(2-Chloroethoxy)methane	10.38	93	247039	20.09	ng/ul#	97
27) 2,4-Dichlorophenol	10.63	162	179798	18.66	ng/ul#	92
28) Naphthalene	11.04	128	485647	19.93	ng/ul	98
30) 4-Chloroaniline	11.14	127	176867	21.34	ng/ul	93
31) Hexachlorobutadiene	11.32	225	157923	21.28	ng/ul	94
32) Caprolactam	11.89	113	65444	20.36	ng/ul#	60
33) 4-Chloro-3-methylphenol	12.25	107	231413	18.99	ng/ul#	75
34) 2-Methylnaphthalene	12.63	142	397893	19.73	ng/ul	92