Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\Data\BG070216\
Data File : BG022819.D
Acq On : 3 Jul 2016 7:48
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 04 02:19:45 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 04 00:41:24 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02016

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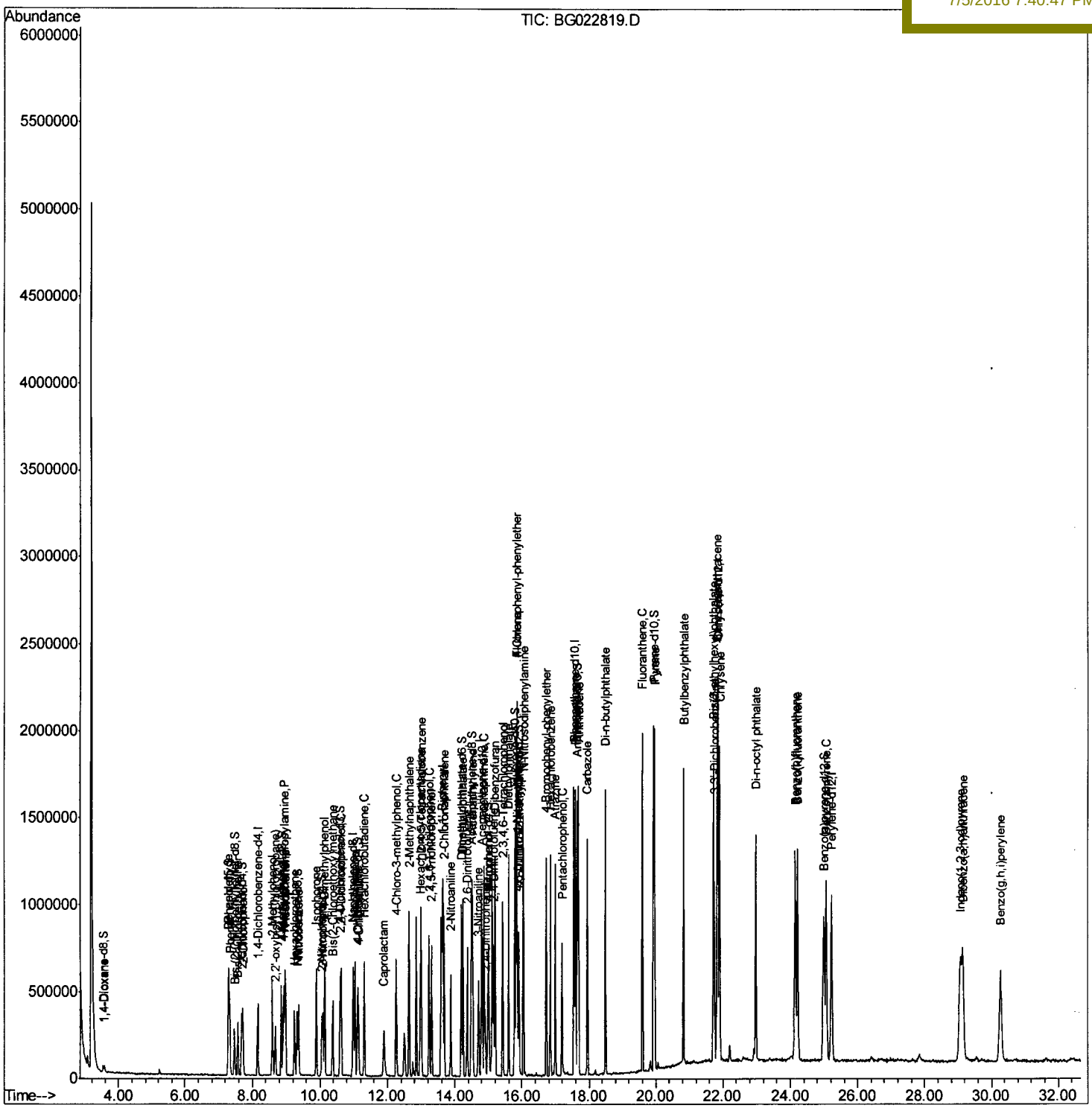

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG070216\
Data File : BG022819.D
Acq On : 3 Jul 2016 7:48
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 04 01:53:20 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 04 00:41:24 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
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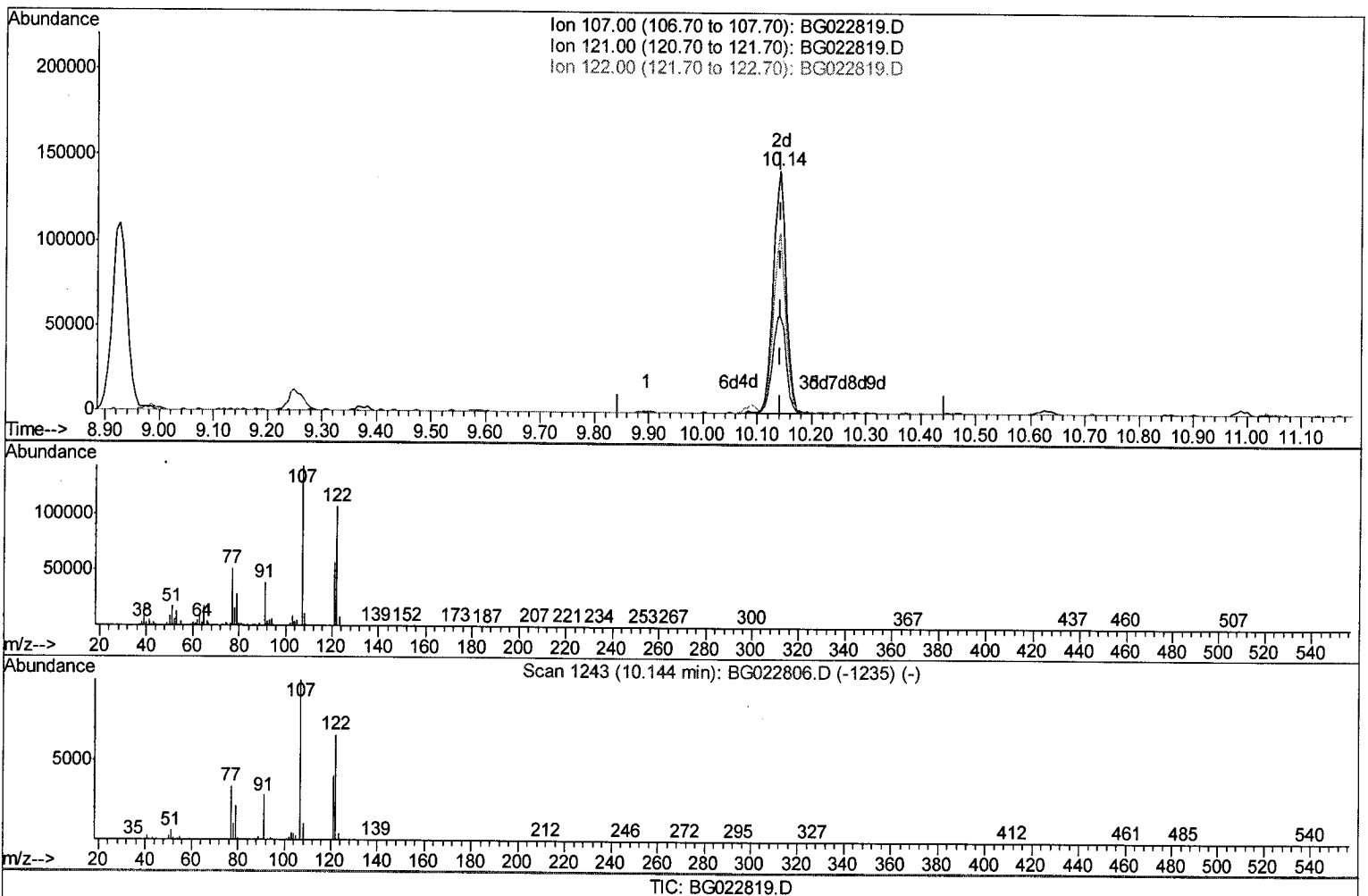

TIC: BG022819.D

(24) 2,4-Dimethylphenol

10.143min (-0.001) 19.81ng/ul m V.M 07/09/16

response 243983

Ion	Exp%	Act%
107.00	100	100
121.00	54.60	39.86#
122.00	87.90	74.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG070216\
Data File : BG022819.D
Acq On : 3 Jul 2016 7:48
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 04 01:53:20 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
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Instrument :
BNA_G
LabSampleId :
SSTD02016

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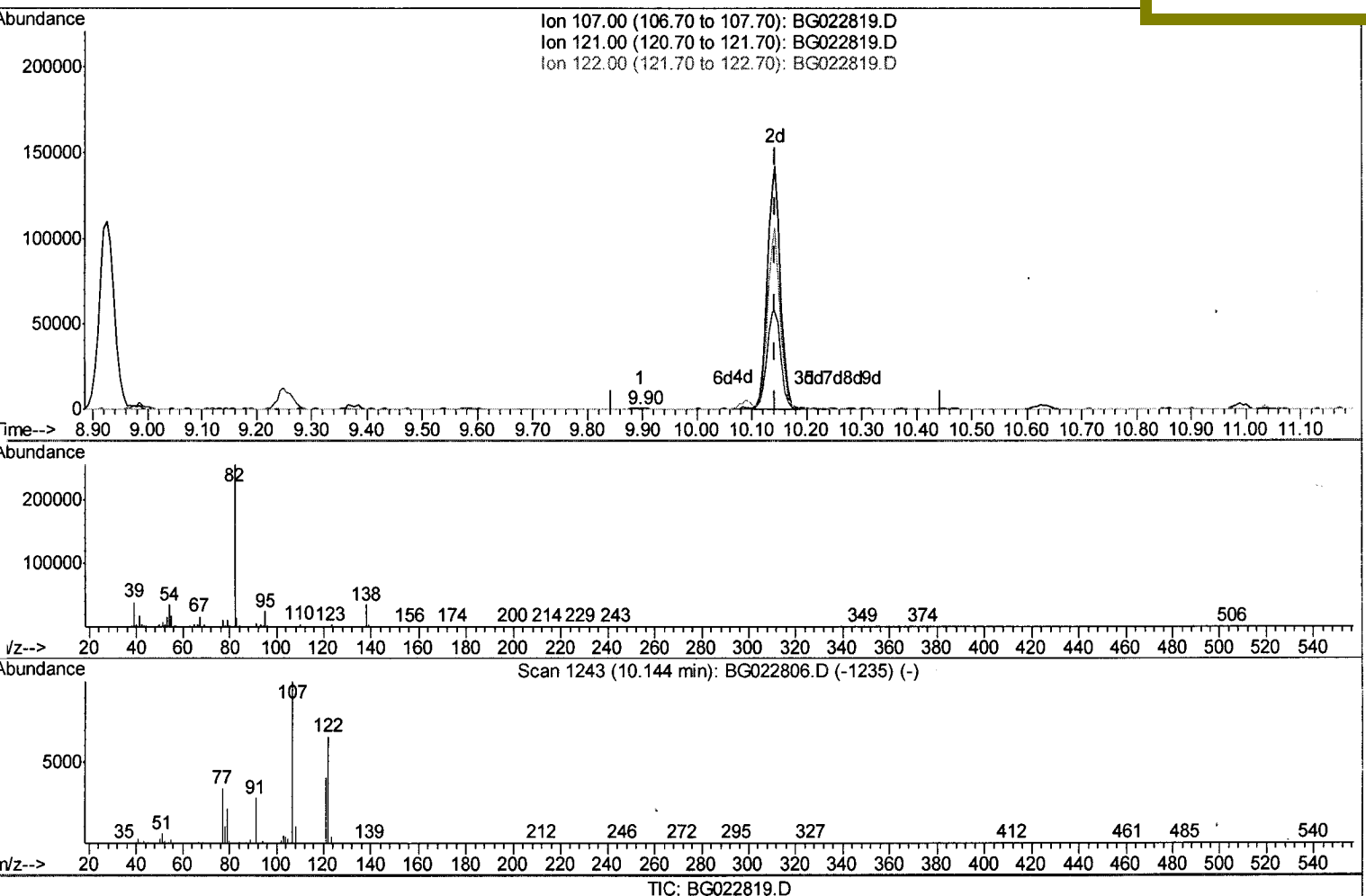

TIC: BG022819.D

(24) 2,4-Dimethylphenol

9.896min (-0.248) 0.05ng/ul

response 671

Ion	Exp%	Act%
107.00	100	100
121.00	54.60	45.21
122.00	87.90	75.77
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG070216\
Data File : BG022819.D
Acq On : 3 Jul 2016 7:48
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 04 01:53:20 2016
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Instrument :
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LabSampleId :
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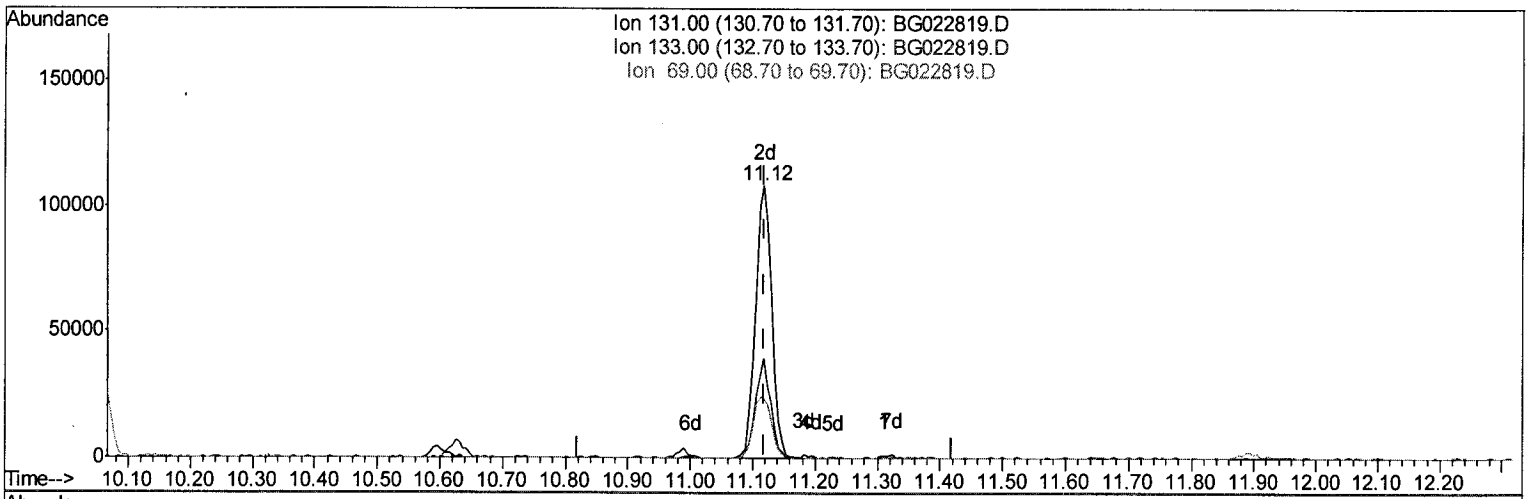

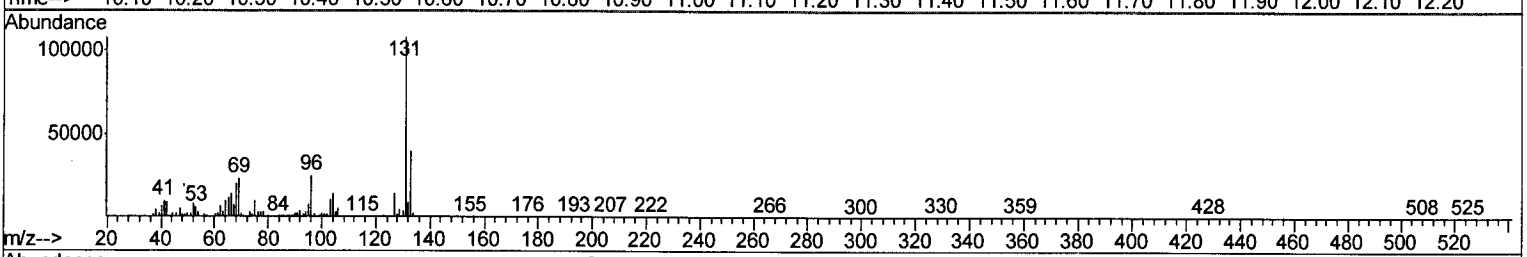

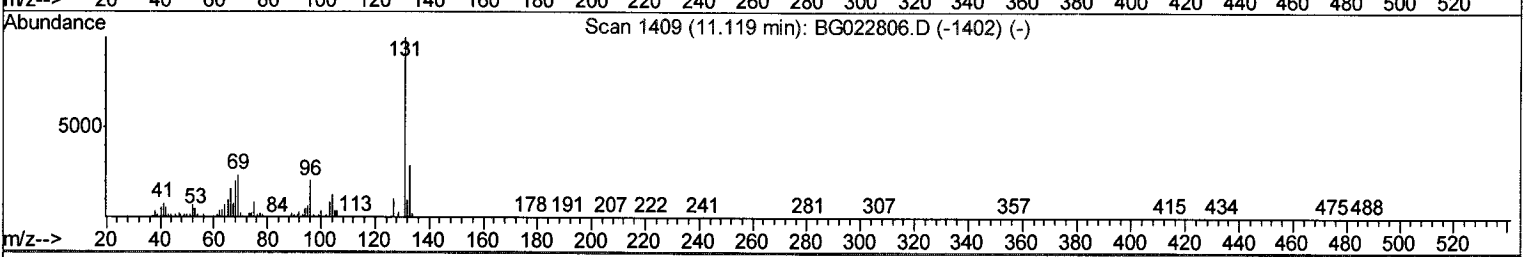

TIC: BG022819.D

(29) 4-Chloroaniline-d4 (S)

11.118min (-0.001) 22.56ng/ul m U.M 07/09/16

response 193717

Ion	Exp%	Act%
131.00	100	100
133.00	33.10	36.36
69.00	15.40	21.63#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG070216\
Data File : BG022819.D
Acq On : 3 Jul 2016 7:48
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 04 01:53:20 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 04 00:41:24 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02016

Manual Integratio
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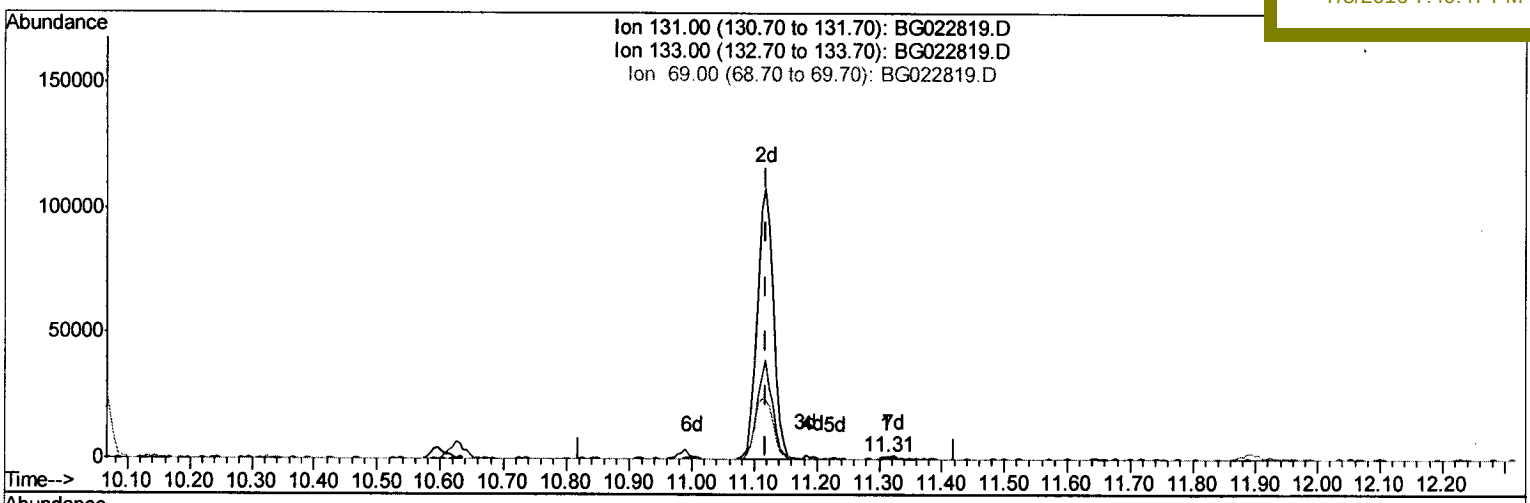

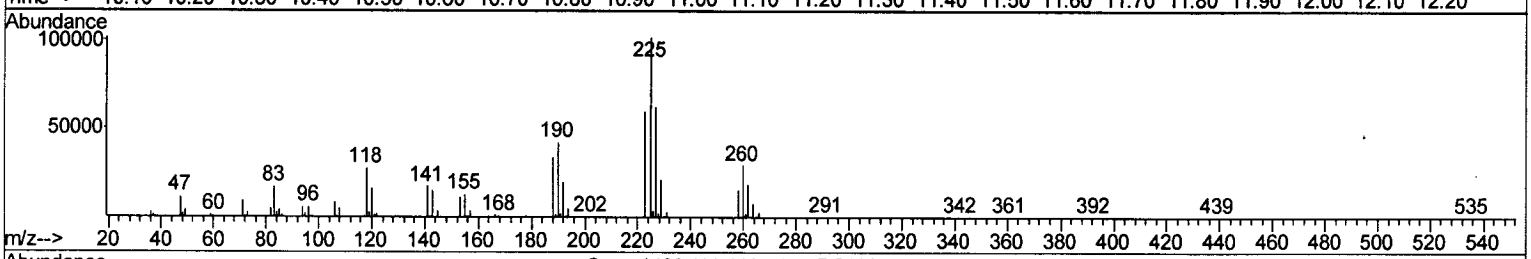

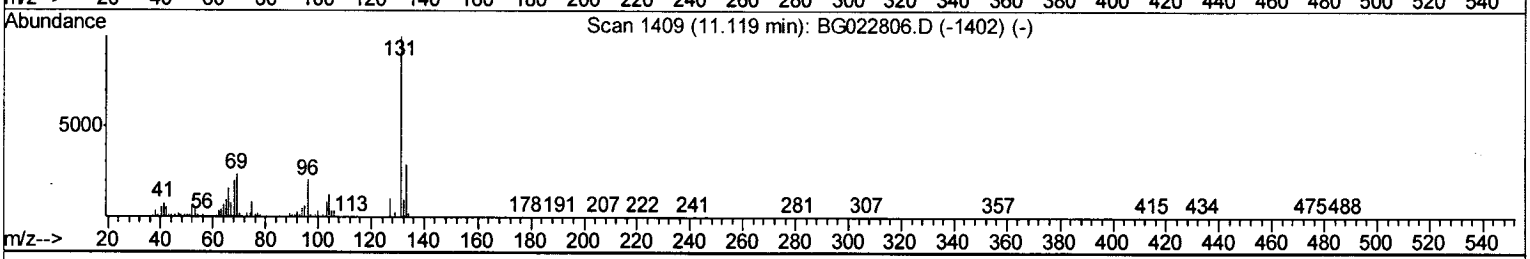

TIC: BG022819.D

(29) 4-Chloroaniline-d4 (S)

11.312min (+0.193) 0.16ng/ul

response 1331

Ion	Exp%	Act%
131.00	100	100
133.00	33.10	30.78
69.00	15.40	13.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG070216\
Data File : BG022819.D
Acq On : 3 Jul 2016 7:48
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 04 01:53:20 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 04 00:41:24 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02016

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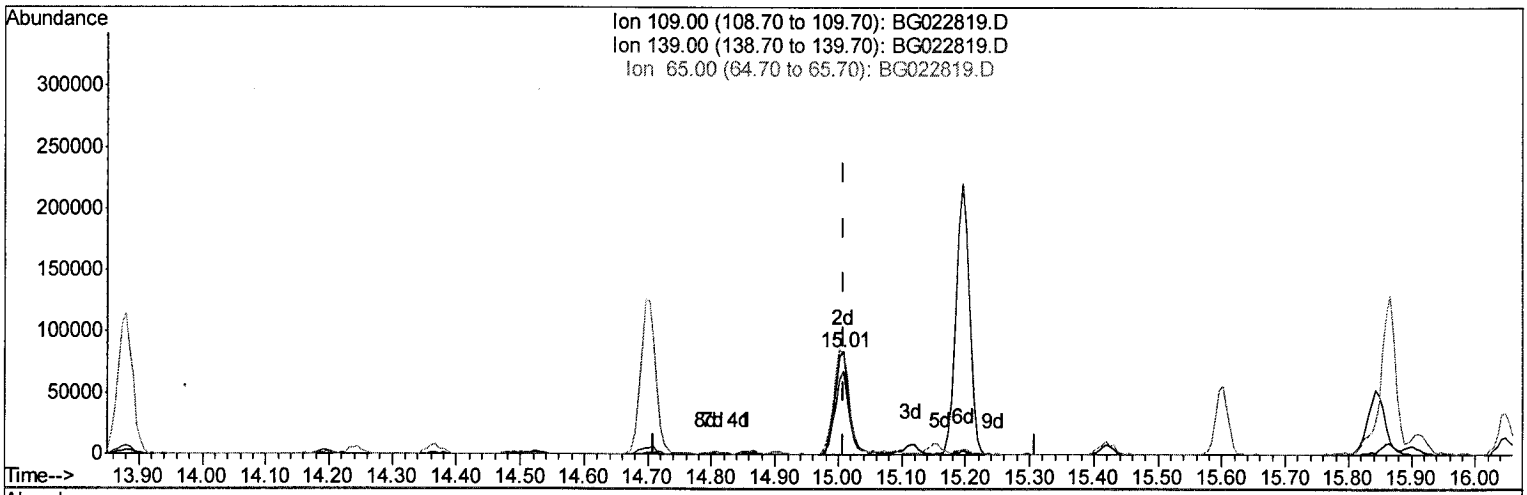

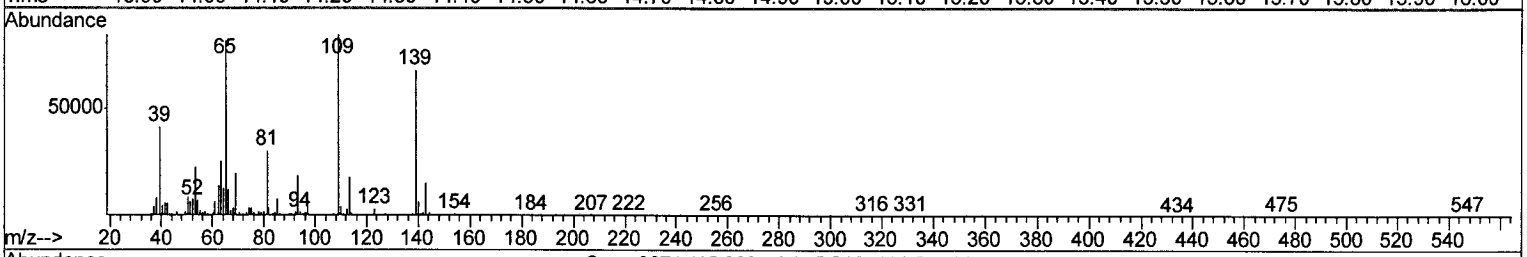

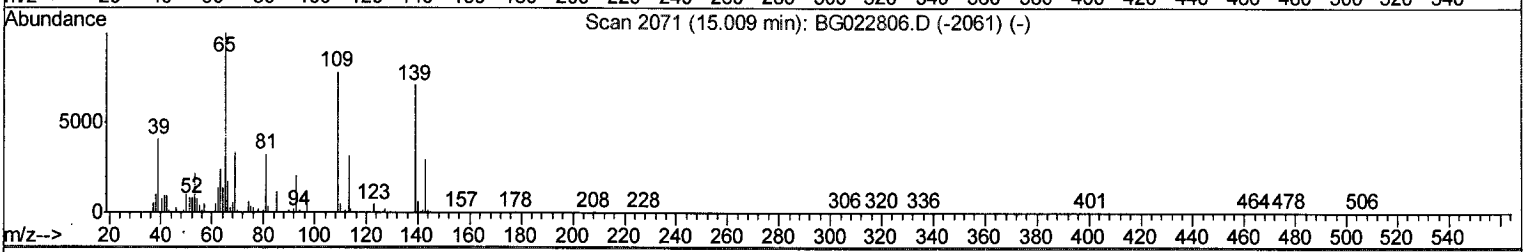

TIC: BG022819.D

(52) 4-Nitrophenol

15.008min (-0.001) 21.83ng/ul m V.M 07/09/16.

response 135021

Ion	Exp%	Act%
109.00	100	100
139.00	170.10	80.50#
65.00	132.50	96.57#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG070216\
Data File : BG022819.D
Acq On : 3 Jul 2016 7:48
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 04 01:53:20 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 04 00:41:24 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02016

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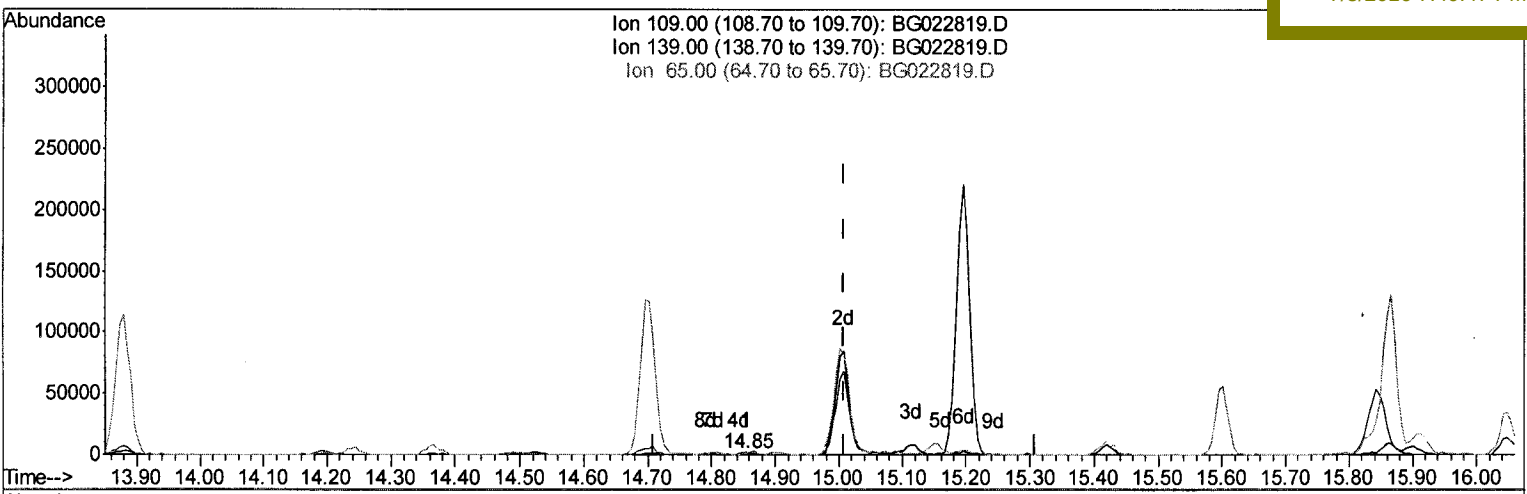

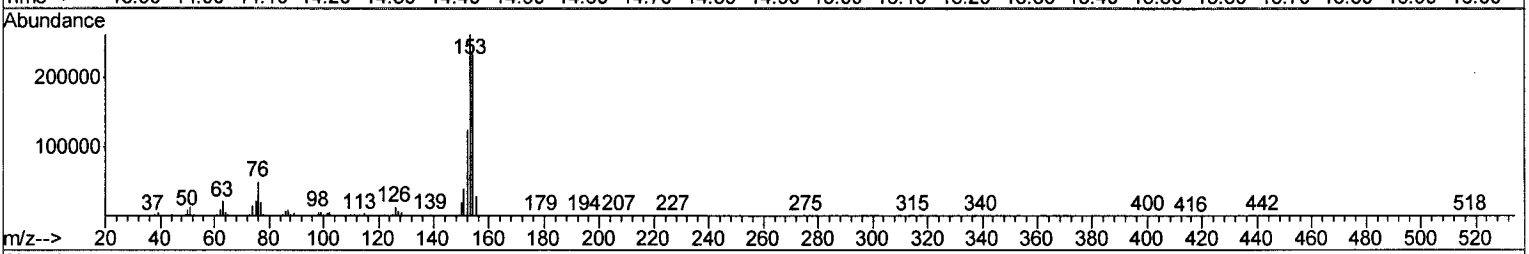

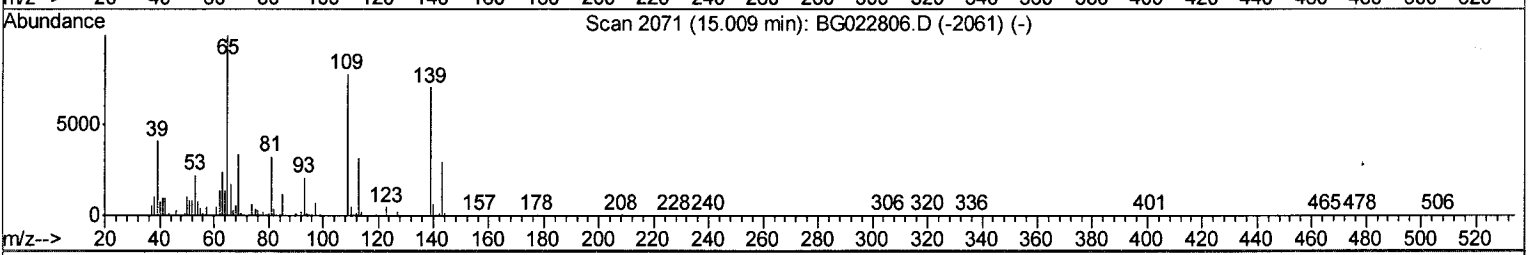

TIC: BG022819.D

(52) 4-Nitrophenol

14.855min (-0.154) 0.15ng/ul

response 930

Ion	Exp%	Act%
109.00	100	100
139.00	170.10	195.76
65.00	132.50	119.13
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG070216\
Data File : BG022819.D
Acq On : 3 Jul 2016 7:48
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 04 01:53:20 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 04 00:41:24 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02016

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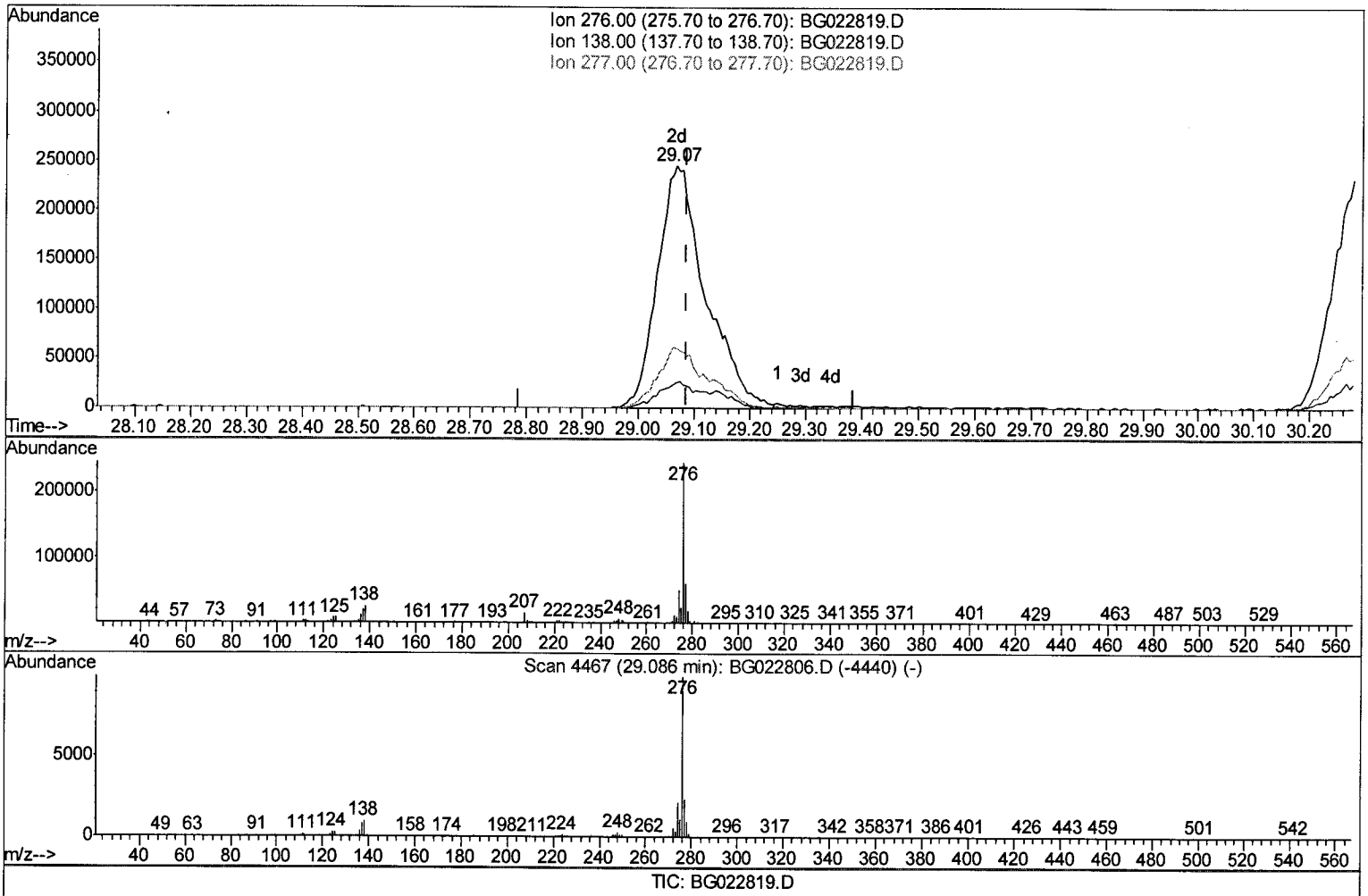

TIC: BG022819.D

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

29.068min (-0.019) 21.76ng/ul m U.M 07/09/16

response 1474823

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	10.43#
277.00	22.00	24.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG070216\
Data File : BG022819.D
Acq On : 3 Jul 2016 7:48
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 04 01:53:20 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 04 00:41:24 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02016

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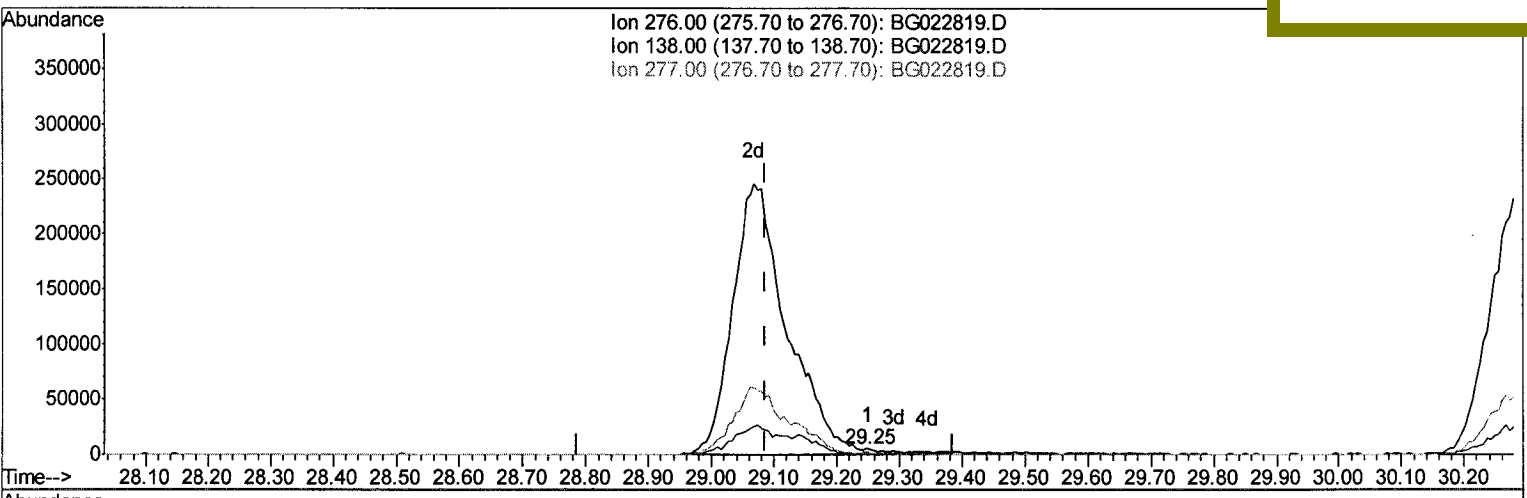

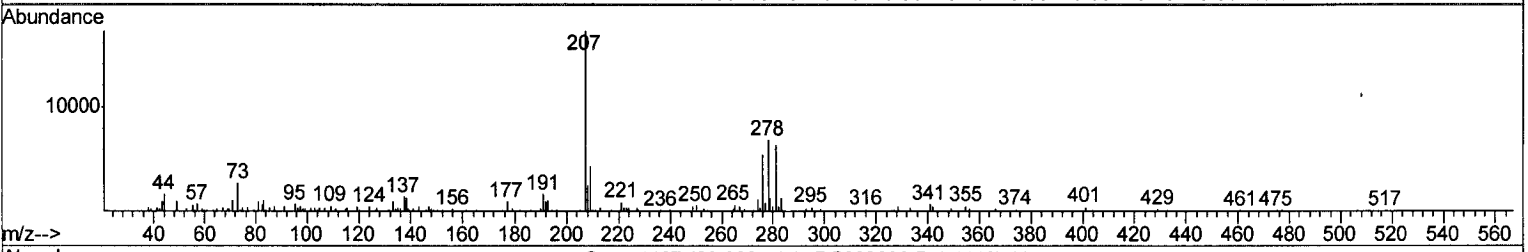

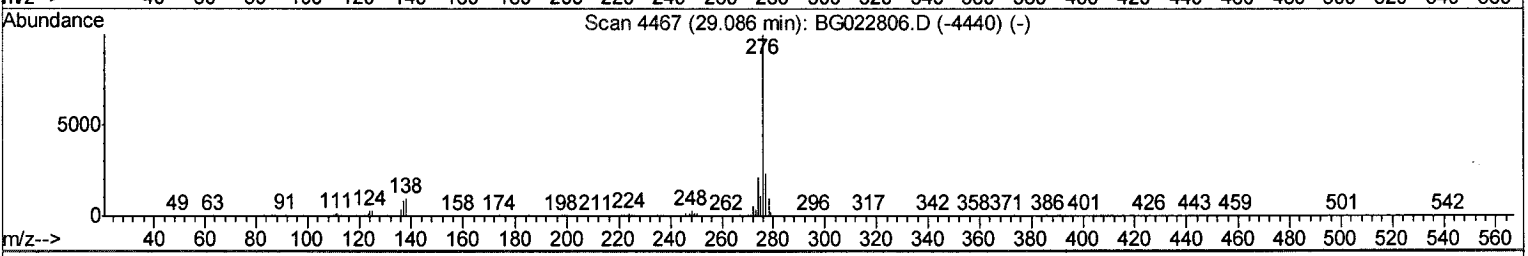

TIC: BG022819.D

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

29.250min (+0.164) 0.09ng/ul

response 5958

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	31.13
277.00	22.00	18.04
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG070216\
Data File : BG022819.D
Acq On : 3 Jul 2016 7:48
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 04 01:53:20 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

Instrument :
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LabSampleId :
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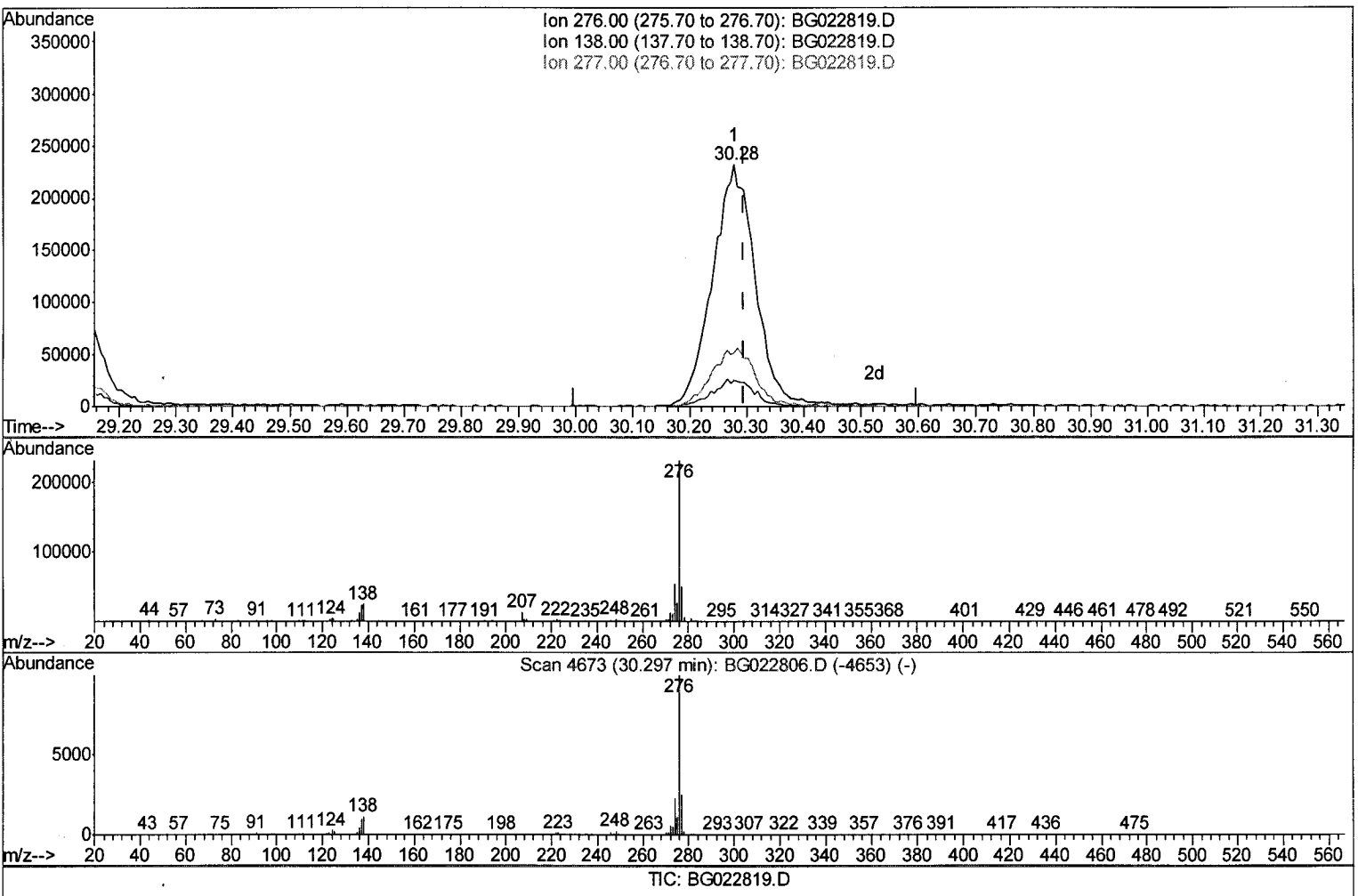

TIC: BG022819.D

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

30.278min (-0.019) 22.78ng/ul m V.M 07/09/16

response 1210755

Ion	Exp%	Act%
276.00	100	100
138.00	27.60	10.83#
277.00	21.20	22.11
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG070216\
Data File : BG022819.D
Acq On : 3 Jul 2016 7:48
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 04 01:53:20 2016
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Instrument :
BNA_G
LabSampleId :
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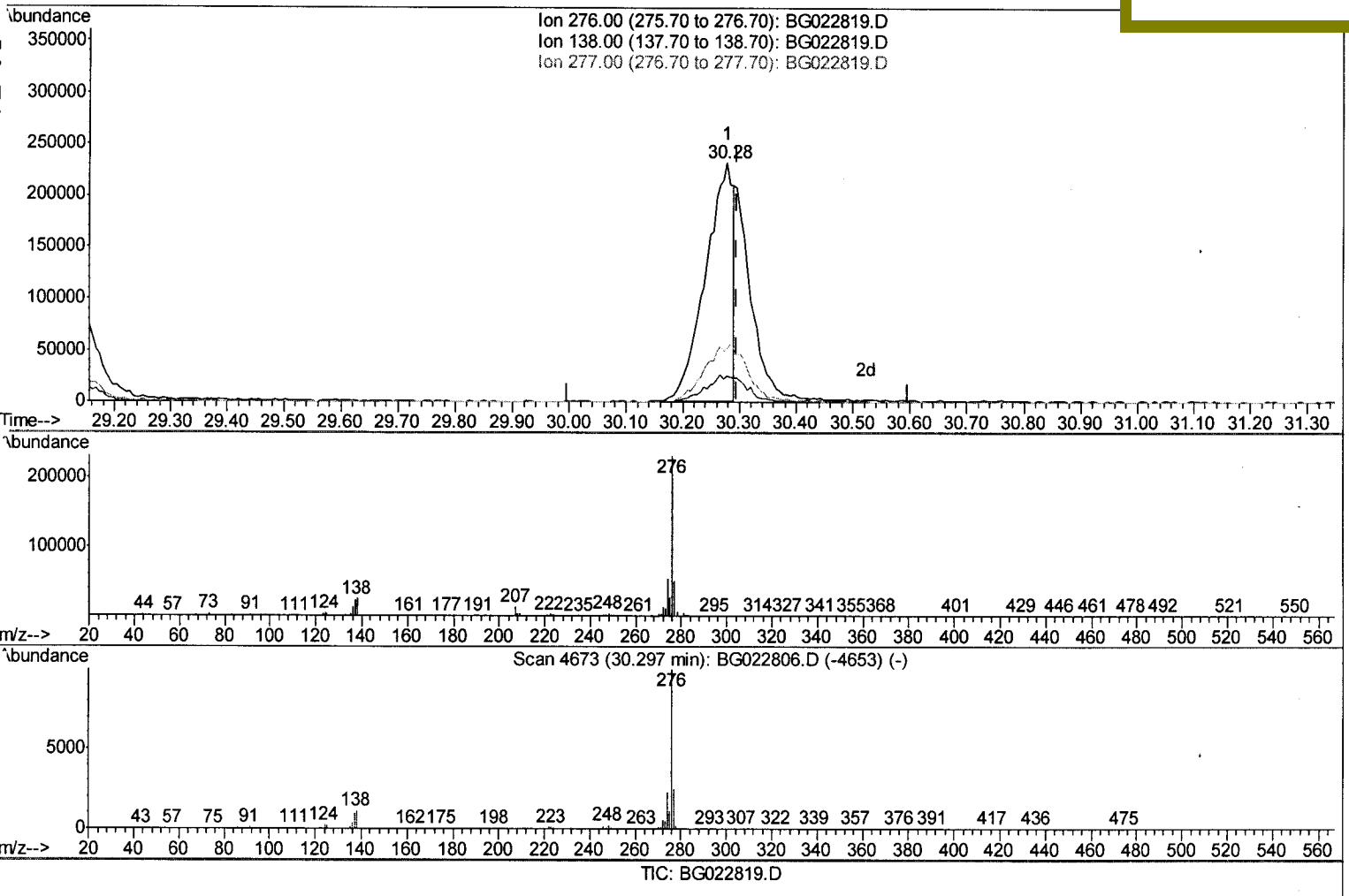

TIC: BG022819.D

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

30.278min (-0.019) 14.89ng/ul

response 791116

Ion	Exp%	Act%
276.00	100	100
138.00	27.60	10.83#
277.00	21.20	22.11
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\Data\BG070216\
Data File : BG022819.D
Acq On : 3 Jul 2016 7:48
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 04 02:19:45 2016
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	115331	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	504098	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.80	164	381232	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	963995	20.00	ng/ul	0.00
75) Chrysene-d12	21.85	240	1054128	20.00	ng/ul	0.00
83) Perylene-d12	25.23	264	1079917	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.54	96	17250	8.36	ng/uL	0.00
5) Phenol-d5	7.30	99	225645	18.60	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	139668	20.42	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	150517	18.57	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	177229	18.81	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	82448	20.51	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	93087	19.20	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	192728	19.01	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	193717m	22.56	ng/ul	0.00
43) Dimethylphthalate-d6	14.20	166	647399	20.90	ng/ul	0.00
46) Acenaphthylene-d8	14.49	160	745885	21.01	ng/ul	0.00
51) 4-Nitrophenol-d4	14.99	143	106649	21.93	ng/ul	0.00
57) Fluorene-d10	15.79	176	611338	20.83	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.90	200	124621	20.10	ng/ul	0.00
70) Anthracene-d10	17.65	188	907638	20.26	ng/ul	0.00
76) Pyrene-d10	19.93	212	1078044	21.41	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.98	264	1042737	20.32	ng/ul	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.57	88	19204	7.94	ng/uL#	65
4) Benzaldehyde	7.29	77	158525	20.55	ng/ul	92
6) Phenol	7.33	94	232604	18.72	ng/ul#	61
8) Bis(2-Chloroethyl)ether	7.57	93	172382	20.29	ng/ul	93
10) 2-Chlorophenol	7.72	128	151868	18.43	ng/ul#	83
11) 2-Methylphenol	8.60	108	173794	18.62	ng/ul	86
12) 2,2'-oxybis(1-Chloropropan	8.69	45	202841	21.23	ng/ul	96
14) Acetophenone	8.99	105	302329	19.87	ng/ul#	74
15) N-Nitroso-di-n-propylamine	8.96	70	178965	19.57	ng/ul#	89
16) 4-Methylphenol	8.93	108	187600	18.08	ng/ul	97
17) Hexachloroethane	9.26	117	69980	19.94	ng/ul#	65
20) Nitrobenzene	9.37	77	250558	20.27	ng/ul#	82
21) Isophorone	9.89	82	474250	21.51	ng/ul#	89
23) 2-Nitrophenol	10.09	139	99962	19.43	ng/ul#	35
24) 2,4-Dimethylphenol	10.14	107	243983m	19.81	ng/ul	
25) Bis(2-Chloroethoxy)methane	10.38	93	267869	20.59	ng/ul#	96
27) 2,4-Dichlorophenol	10.63	162	198692	19.50	ng/ul	95
28) Naphthalene	11.04	128	515112	19.98	ng/ul	97
30) 4-Chloroaniline	11.14	127	193149	22.03	ng/ul	91
31) Hexachlorobutadiene	11.31	225	164454	20.95	ng/ul	91
32) Caprolactam	11.89	113	69531	20.45	ng/ul#	57
33) 4-Chloro-3-methylphenol	12.26	107	244812	18.99	ng/ul#	79
34) 2-Methylnaphthalene	12.63	142	434600	20.38	ng/ul	93

U.M 07/09/16

U.M 07/09/16

Quantitation Report (QT Reviewed)

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Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02016

Manual Integratio
APPROVE
umangi
7/5/2016 7:40:47 PM

Quant Time: Jul 04 02:19:45 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 04 00:41:24 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.99	216	305813	21.46	ng/ul	99
37) Hexachlorocyclopentadiene	12.97	237	174607	20.29	ng/ul#	92
38) 2,4,6-Trichlorophenol	13.23	196	201134	20.46	ng/ul	95
39) 2,4,5-Trichlorophenol	13.31	196	206947	20.01	ng/ul	96
40) 1,1'-Biphenyl	13.63	154	604927	20.87	ng/ul	92
41) 2-Chloronaphthalene	13.68	162	484728	20.65	ng/ul	97
42) 2-Nitroaniline	13.88	65	188126	20.72	ng/ul#	58
44) Dimethylphthalate	14.24	163	655095	20.72	ng/ul#	97
45) 2,6-Dinitrotoluene	14.37	165	133701	19.53	ng/ul#	77
47) Acenaphthylene	14.52	152	756343	21.16	ng/ul	98
48) 3-Nitroaniline	14.70	138	121368	22.69	ng/ul#	50
49) Acenaphthene	14.86	153	502467	20.69	ng/ul	94
50) 2,4-Dinitrophenol	14.90	184	77282	20.31	ng/ul#	69
52) 4-Nitrophenol	15.01	109	135021m	21.83	ng/ul	
53) Dibenzofuran	15.20	168	773427	20.62	ng/ul#	84
54) 2,4-Dinitrotoluene	15.15	165	204410	20.65	ng/ul#	76
55) 2,3,4,6-Tetrachlorophenol	15.42	232	214537	20.38	ng/ul#	94
56) Diethylphthalate	15.60	149	672078	20.92	ng/ul	95
58) Fluorene	15.85	166	630033	20.90	ng/ul	98
59) 4-Chlorophenyl-phenylether	15.84	204	367365	20.35	ng/ul	99
60) 4-Nitroaniline	15.87	138	138062	21.48	ng/ul#	41
63) 4,6-Dinitro-2-methylphenol	15.92	198	135972	20.69	ng/ul#	90
64) N-Nitrosodiphenylamine	16.05	169	567304	19.98	ng/ul	92
65) 4-Bromophenyl-phenylether	16.73	248	252170	19.56	ng/ul	96
66) Hexachlorobenzene	16.85	284	275299	20.17	ng/ul	94
67) Atrazine	16.99	200	246119	20.79	ng/ul	97
68) Pentachlorophenol	17.19	266	158430	20.19	ng/ul	88
69) Phenanthrene	17.59	178	1030354	20.90	ng/ul	98
71) Anthracene	17.69	178	1042756	20.58	ng/ul	97
72) Carbazole	17.96	167	860907	22.96	ng/ul	97
73) Di-n-butylphthalate	18.50	149	1037327	21.55	ng/ul#	95
74) Fluoranthene	19.60	202	1234643	24.04	ng/ul#	86
77) Pyrene	19.96	202	1248870	21.16	ng/ul#	85
78) Butylbenzylphthalate	20.84	149	493163	21.55	ng/ul#	86
79) 3,3'-Dichlorobenzidine	21.74	252	472012	23.64	ng/ul#	93
80) Benzo(a)anthracene	21.83	228	1307363	21.14	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.72	149	664043	22.49	ng/ul#	95
82) Chrysene	21.90	228	1202756	21.37	ng/ul	96
84) Di-n-octyl phthalate	22.98	149	1131990	23.78	ng/ul	100
85) Benzo(b)fluoranthene	24.15	252	1341013	19.87	ng/ul#	92
86) Benzo(k)fluoranthene	24.21	252	1293212	20.40	ng/ul#	88
88) Benzo(a)pyrene	25.06	252	1296580	20.22	ng/ul#	90
89) Indeno(1,2,3-cd)pyrene	29.07	276	1474823m	21.76	ng/ul	
90) Dibenzo(a,h)anthracene	29.14	278	1154964	20.61	ng/ul#	87
91) Benzo(g,h,i)perylene	30.28	276	1210755m	22.78	ng/ul	

U.M 07/09/16

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