

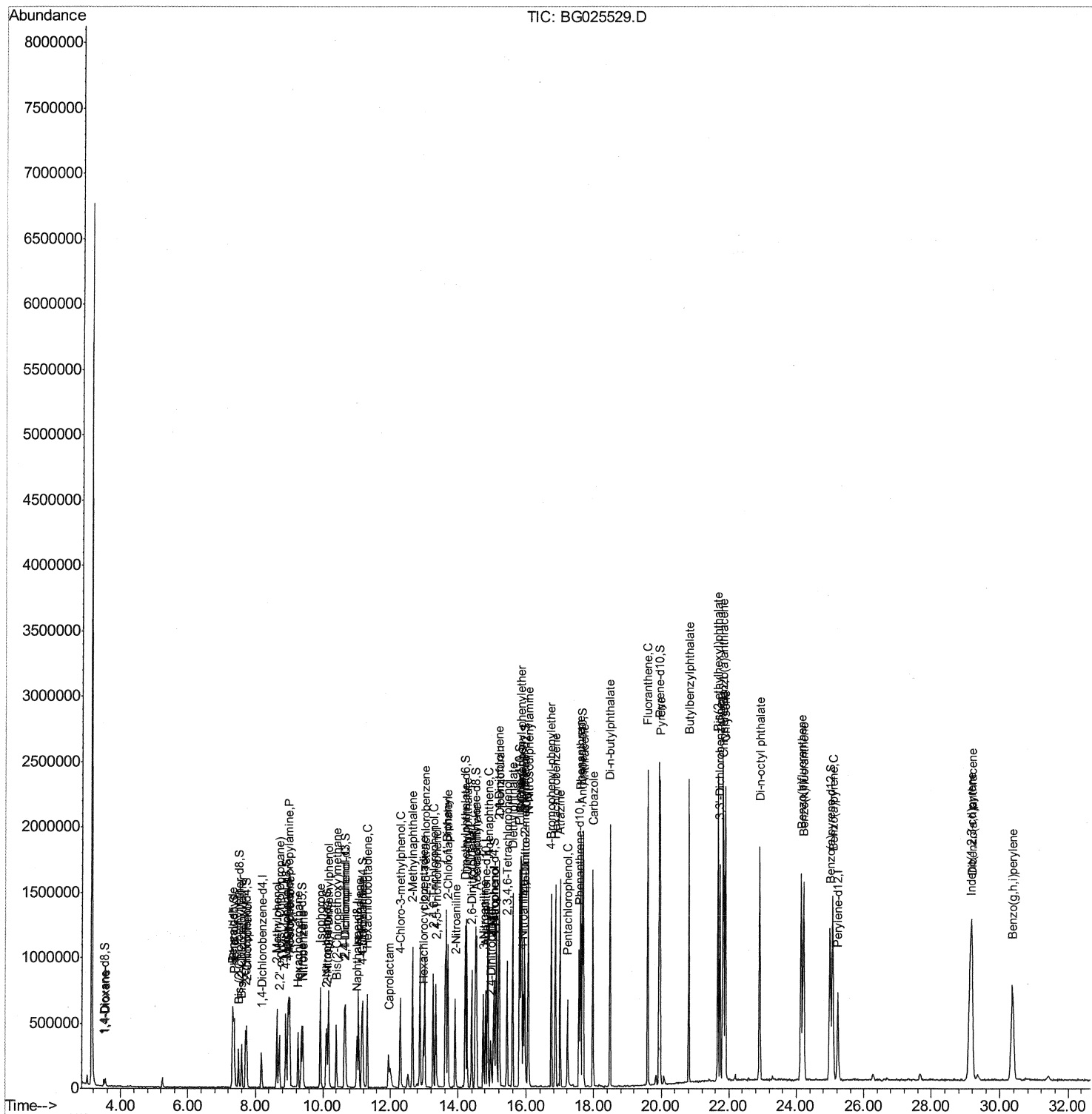
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Data Path   : Z:\HPCHEM1\BNA_G\DATA\BG011817\  
Data File   : BG025529.D  
Acq On      : 18 Jan 2017   13:53  
Operator    : UM/SJ  
Sample      : SSTD04008  
Misc        :  
ALS Vial    : 5      Sample Multiplier: 1
```

Instrument :
BNA_G
ClientSampleId :
SSTD04008

Manual Integrations
APPROVED

mohammad
1/19/2017 5:52:07 PM

Quant Time: Jan 18 15:15:09 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 18 14:57:38 2017
Response via : Initial Calibration



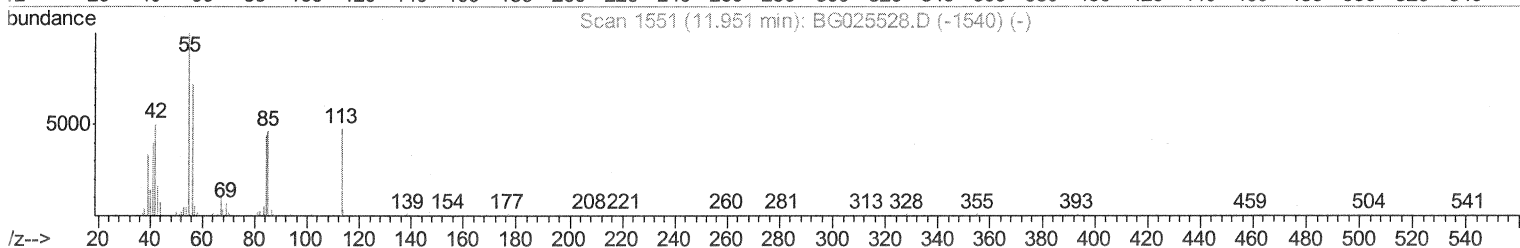
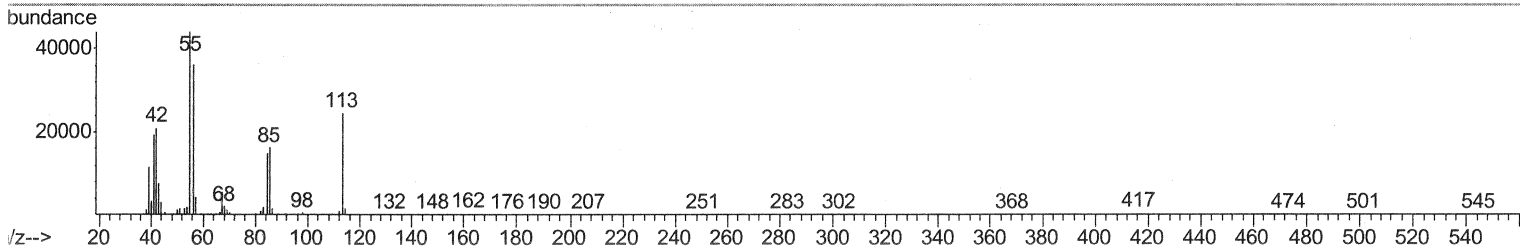
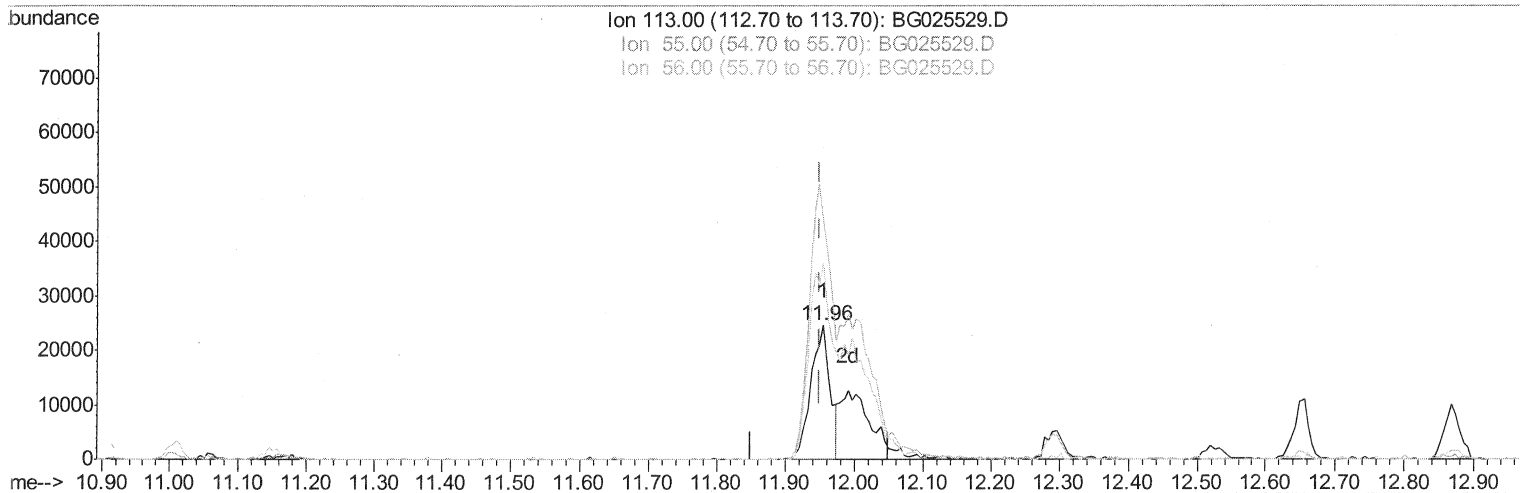
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011817\
 Data File : BG025529.D
 Acq On : 18 Jan 2017 13:53
 Operator : UM/SJ
 Sample : SSTD04008
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD04008

Manual Integrations
 APPROVED

mohammad
 1/19/2017 5:52:07 PM

Quant Time: Jan 18 15:04:13 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 18 14:57:38 2017
 Response via : Initial Calibration



TIC: BG025529.D

(32) Caprolactam

11.956min (+0.005) 23.16ng/ul

response 47090

Ion	Exp%	Act%
113.00	100	100
55.00	210.70	178.76
56.00	160.60	146.47
0.00	0.00	0.00

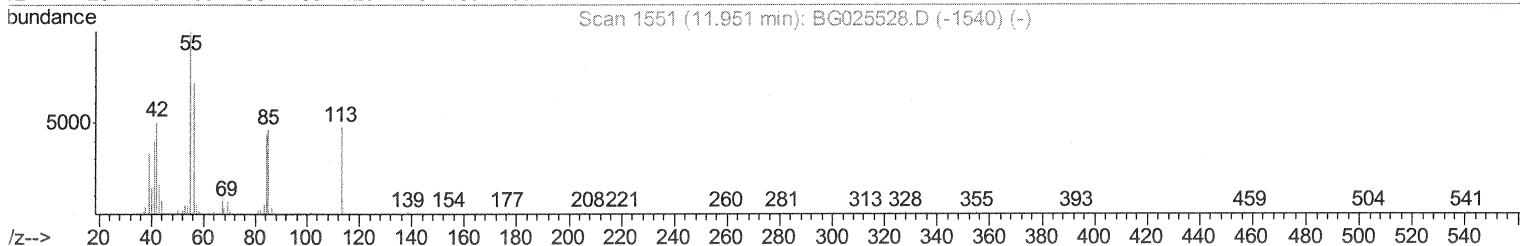
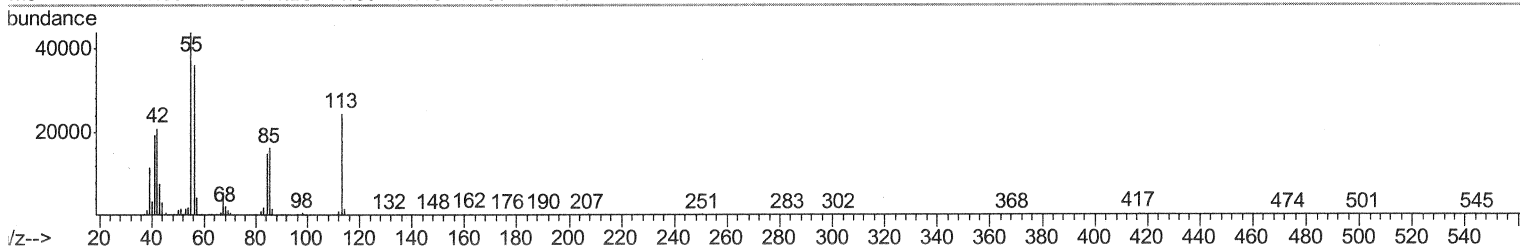
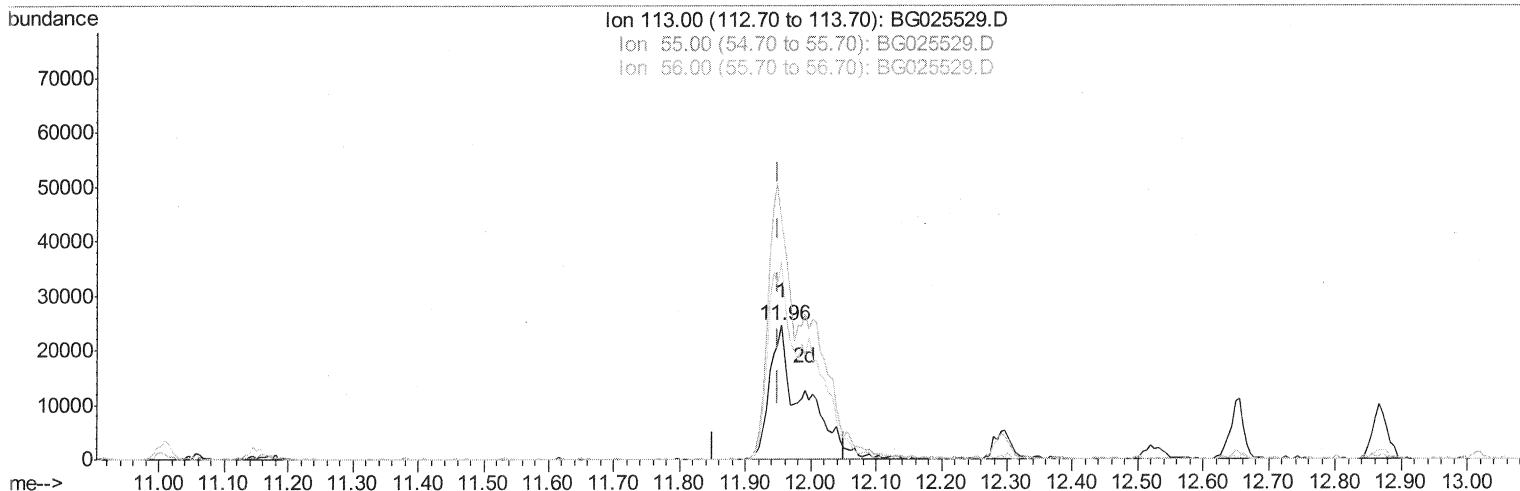
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011817\
 Data File : BG025529.D
 Acq On : 18 Jan 2017 13:53
 Operator : UM/SJ
 Sample : SST04008
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SST04008

Manual Integrations
 APPROVED

mohammad
 1/19/2017 5:52:07 PM

Quant Time: Jan 18 15:04:13 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 18 14:57:38 2017
 Response via : Initial Calibration



TIC: BG025529.D

(32) Caprolactam

11.956min (+0.005) 42.44ng/ul m SJ 1/17/17

response 86299

Ion	Exp%	Act%
113.00	100	100
55.00	210.70	178.76
56.00	160.60	146.47
0.00	0.00	0.00

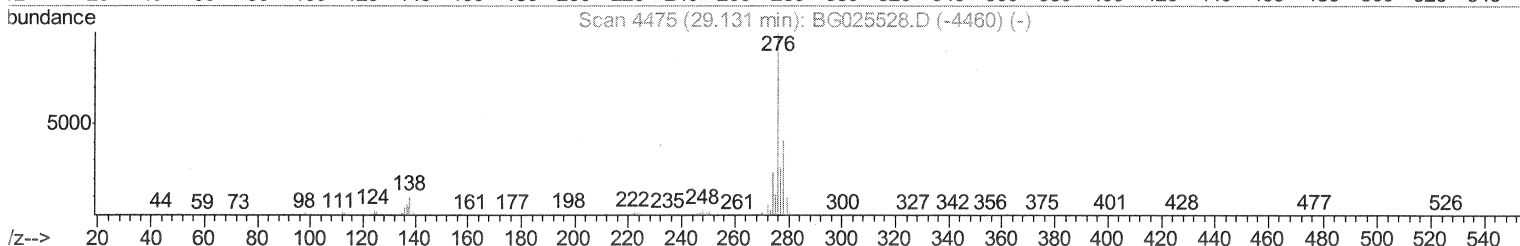
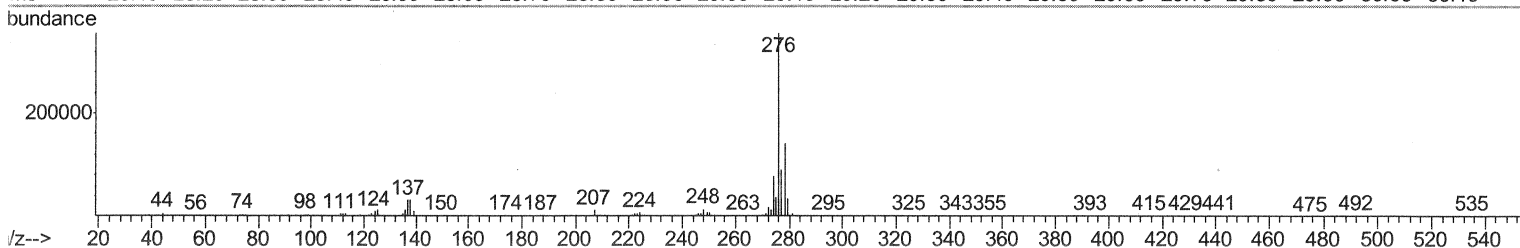
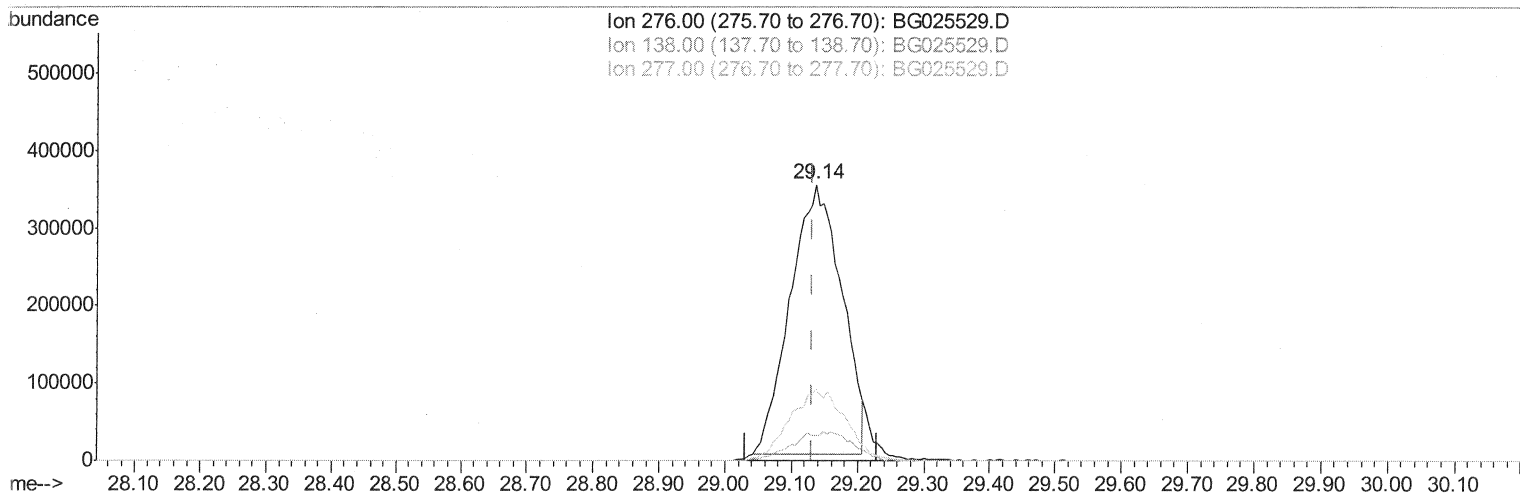
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011817\
 Data File : BG025529.D
 Acq On : 18 Jan 2017 13:53
 Operator : UM/SJ
 Sample : SSTD04008
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD04008

Manual Integrations
 APPROVED

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 1/19/2017 5:52:07 PM

Quant Time: Jan 18 15:04:13 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 18 14:57:38 2017
 Response via : Initial Calibration



TIC: BG025529.D

(89) Indeno(1,2,3-cd)pyrene
 29.136min (+0.005) 39.58ng/ul

response 1870735

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	8.89
277.00	23.30	25.71
0.00	0.00	0.00

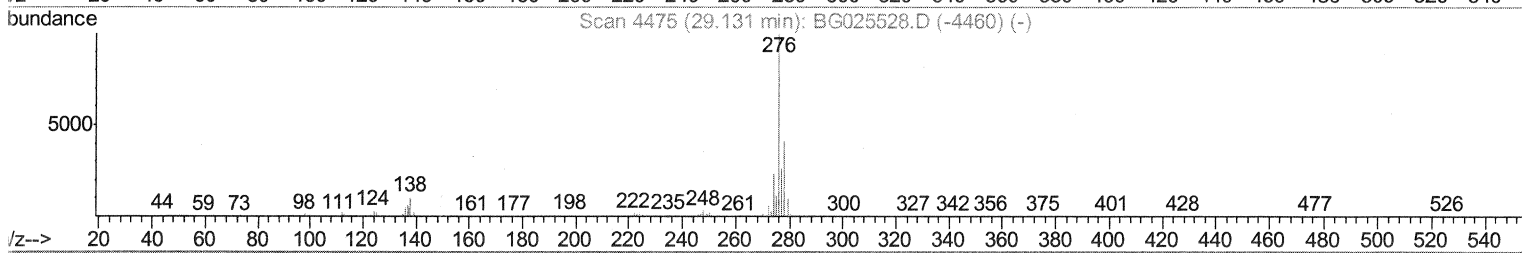
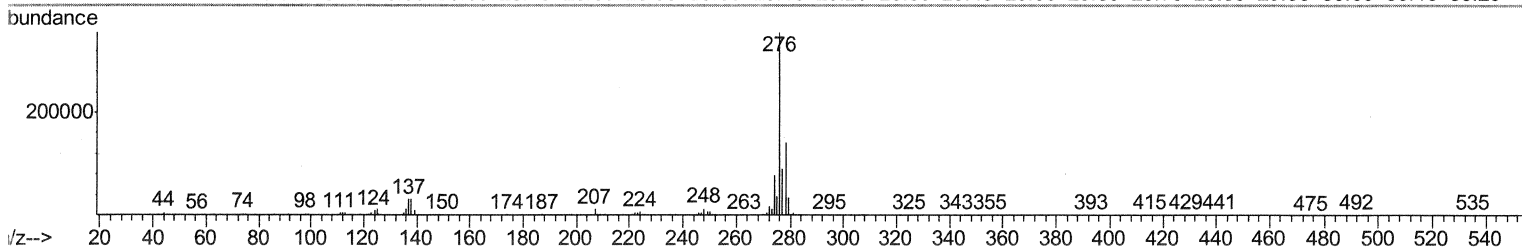
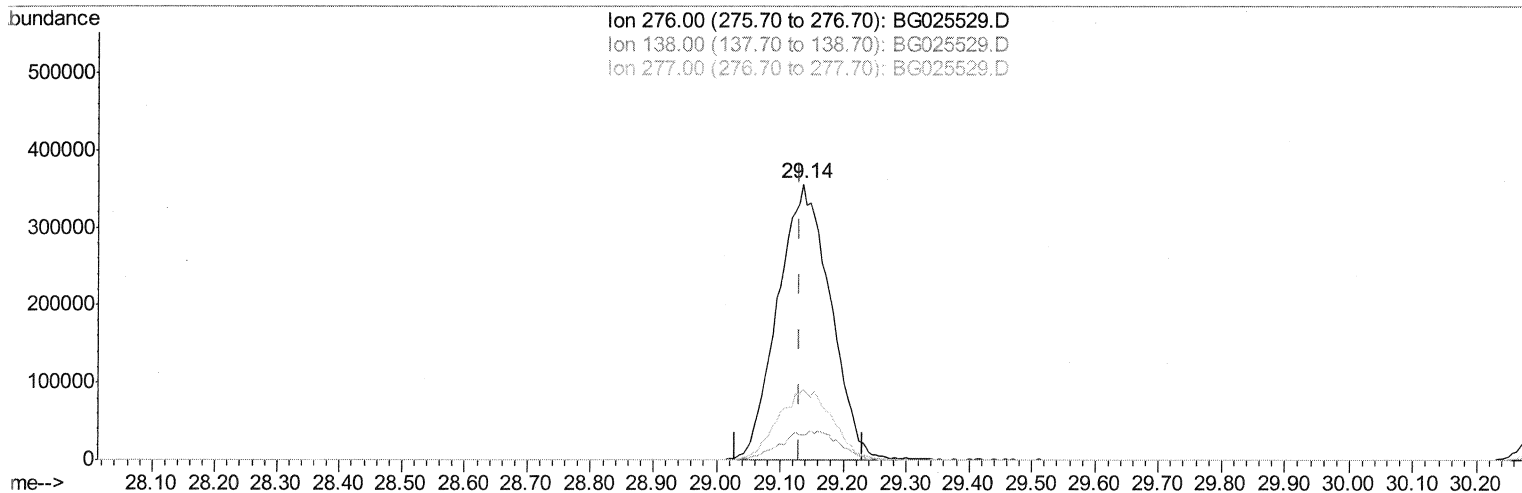
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011817\
Data File : BG025529.D
Acq On : 18 Jan 2017 13:53
Operator : UM/SJ
Sample : SST04008
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD04008

Manual Integrations
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mohammad
1/19/2017 5:52:07 PM

Quant Time: Jan 18 15:04:13 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 18 14:57:38 2017
Response via : Initial Calibration



TIC: BG025529.D

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

29.136min (+0.005) 43.07ng/ul m SJ 1/12/17

response 2035904

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	8.89
277.00	23.30	25.71
0.00	0.00	0.00

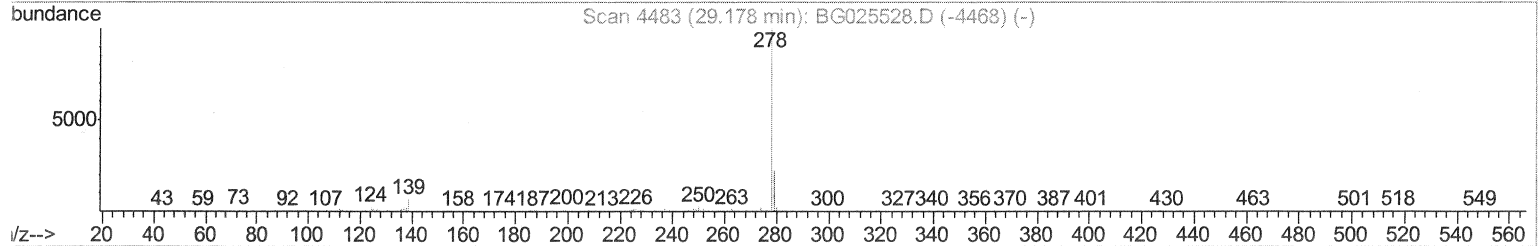
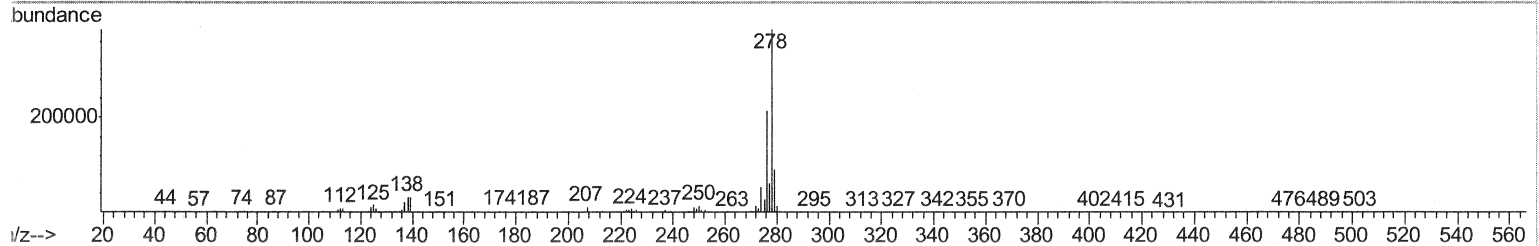
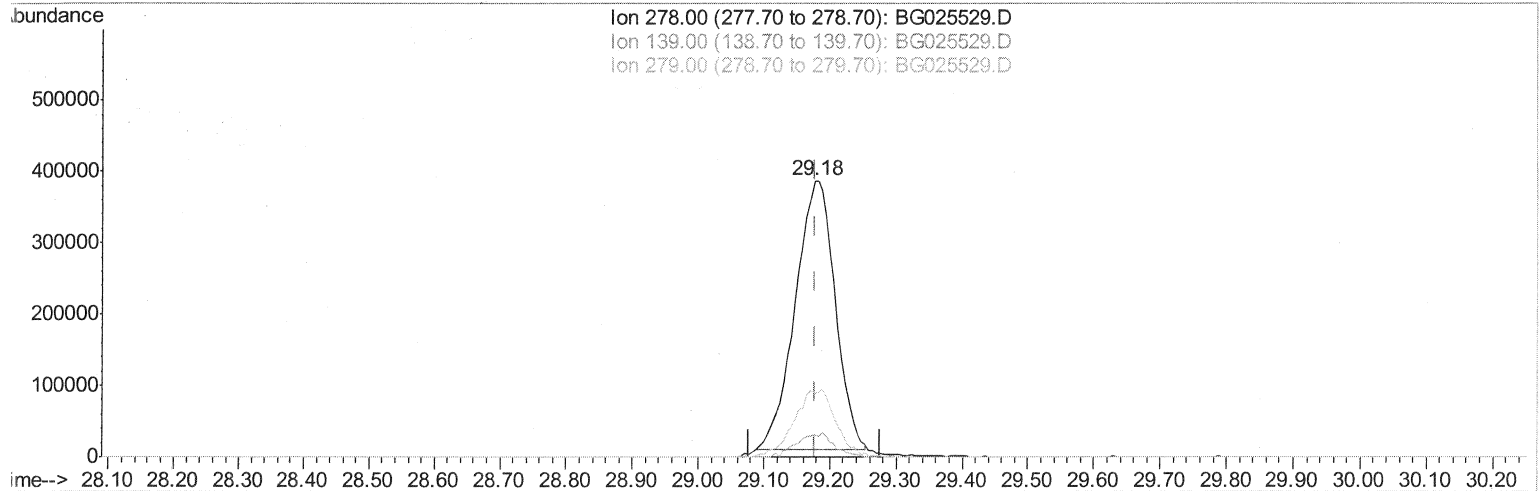
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011817\
 Data File : BG025529.D
 Acq On : 18 Jan 2017 13:53
 Operator : UM/SJ
 Sample : SST04008
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SST04008

Manual Integrations
 APPROVED

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Quant Time: Jan 18 15:04:13 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 18 14:57:38 2017
 Response via : Initial Calibration



TIC: BG025529.D

(90) Dibenzo(a,h)anthracene

29.177min (-0.001) 39.47ng/ul

response 1571672

Ion	Exp%	Act%
278.00	100	100
139.00	8.40	7.98
279.00	26.10	23.23
0.00	0.00	0.00

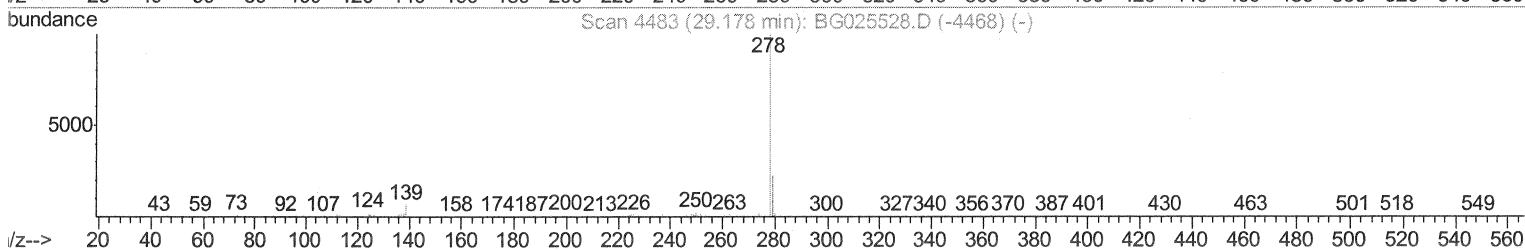
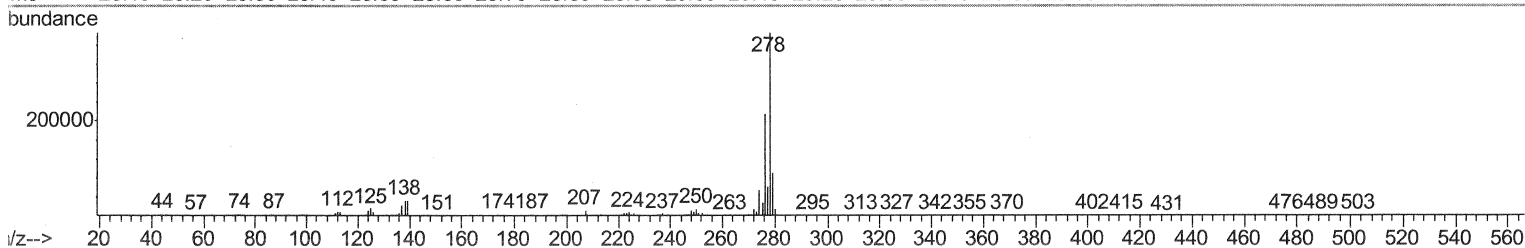
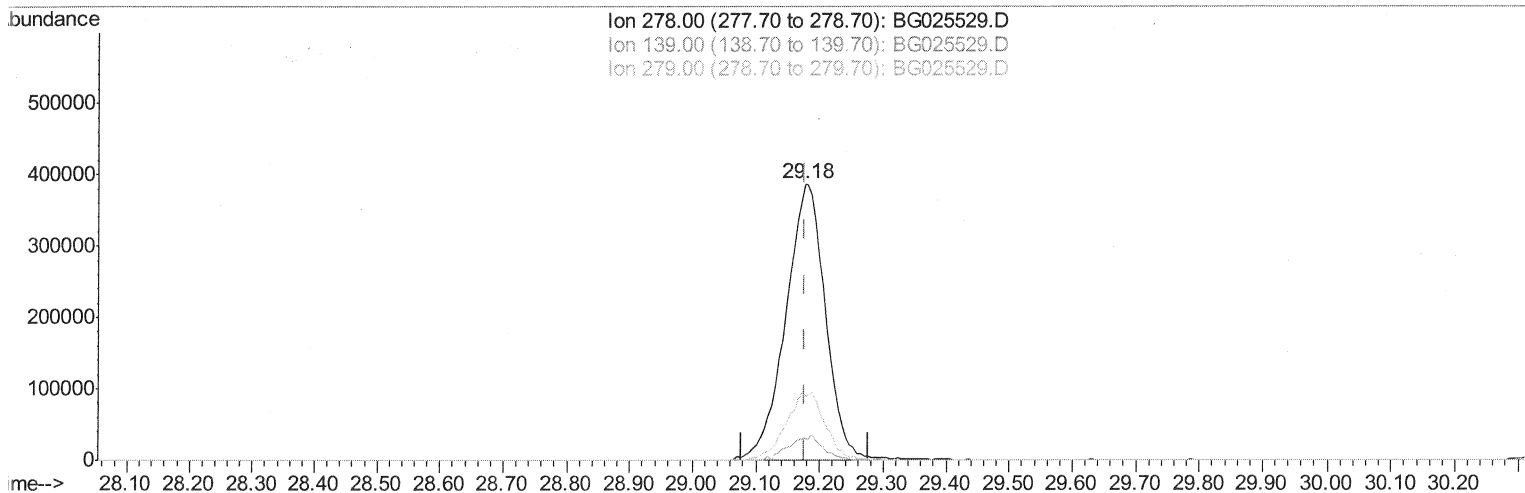
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011817\
Data File : BG025529.D
Acq On : 18 Jan 2017 13:53
Operator : UM/SJ
Sample : SST04008
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SST04008

Manual Integrations
APPROVED

mohammad
1/19/2017 5:52:07 PM

Quant Time: Jan 18 15:04:13 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 18 14:57:38 2017
Response via : Initial Calibration



TIC: BG025529.D

(90) Dibenzo(a,h)anthracene

29.177min (-0.001) 42.74ng/ul m

SJ 1/27/17

response 1702221

Ion	Exp%	Act%
278.00	100	100
139.00	8.40	7.98
279.00	26.10	23.23
0.00	0.00	0.00

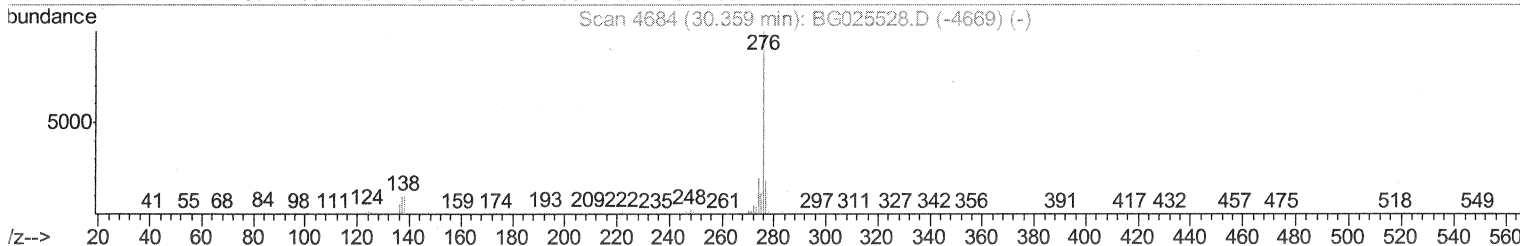
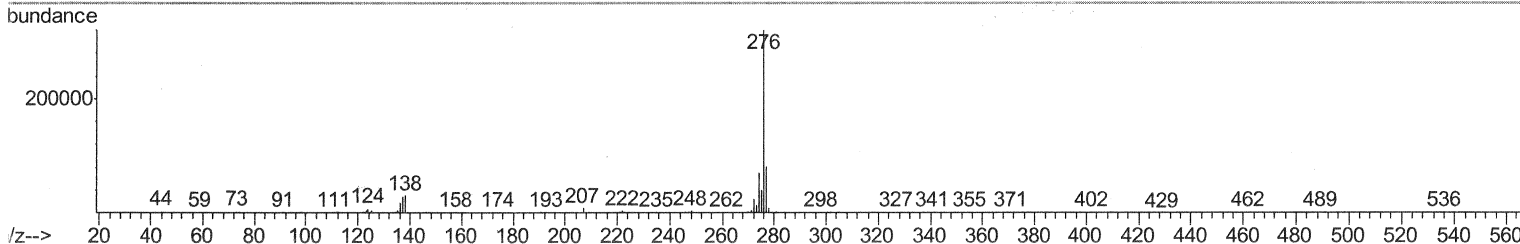
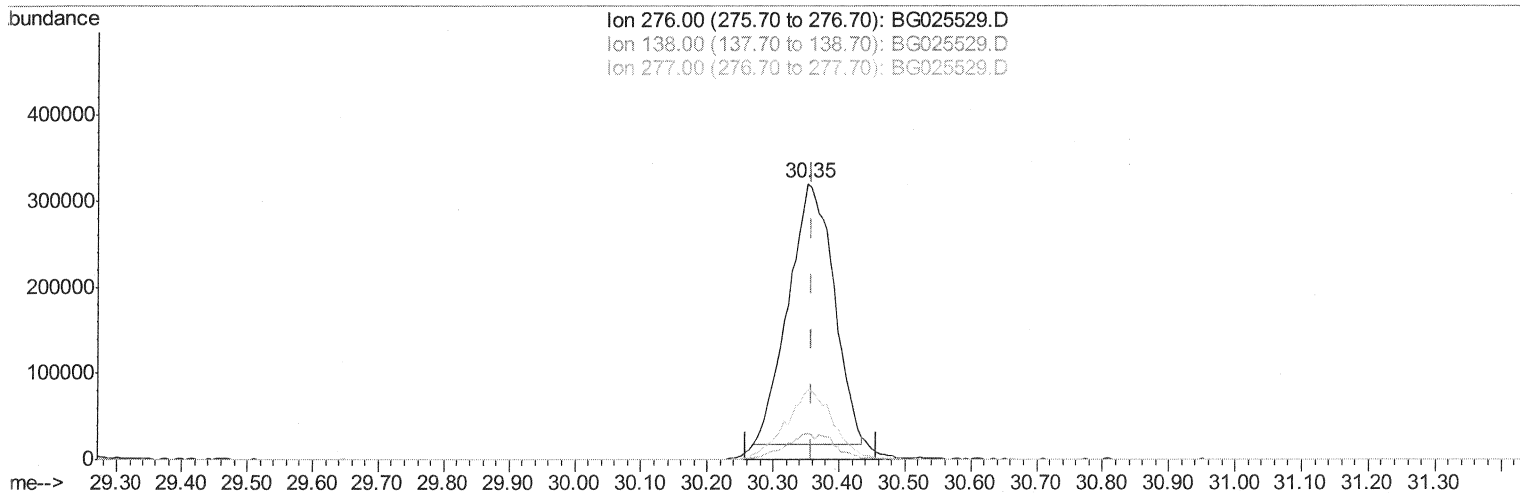
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011817\
 Data File : BG025529.D
 Acq On : 18 Jan 2017 13:53
 Operator : UM/SJ
 Sample : SSTD04008
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD04008

Manual Integrations
 APPROVED

mohammad
 1/19/2017 5:52:07 PM

Quant Time: Jan 18 15:04:13 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 18 14:57:38 2017
 Response via : Initial Calibration



TIC: BG025529.D

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

30.352min (-0.007) 36.70ng/ui

response 1447729

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	9.42
277.00	22.00	25.35
0.00	0.00	0.00

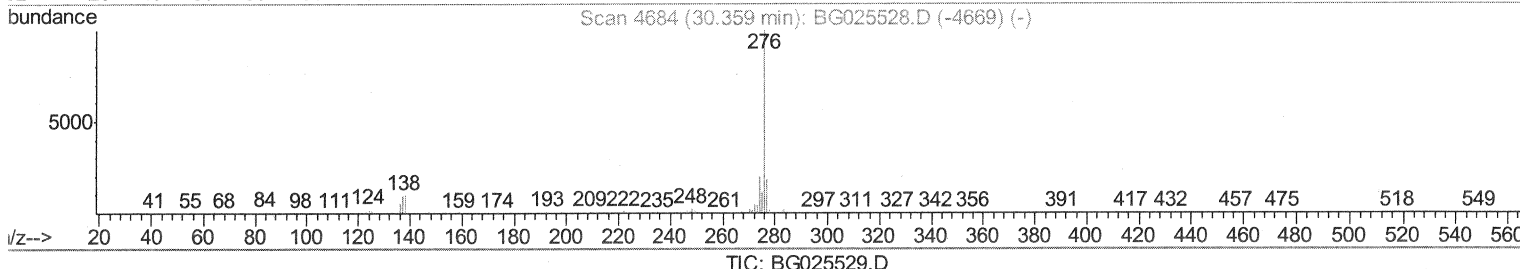
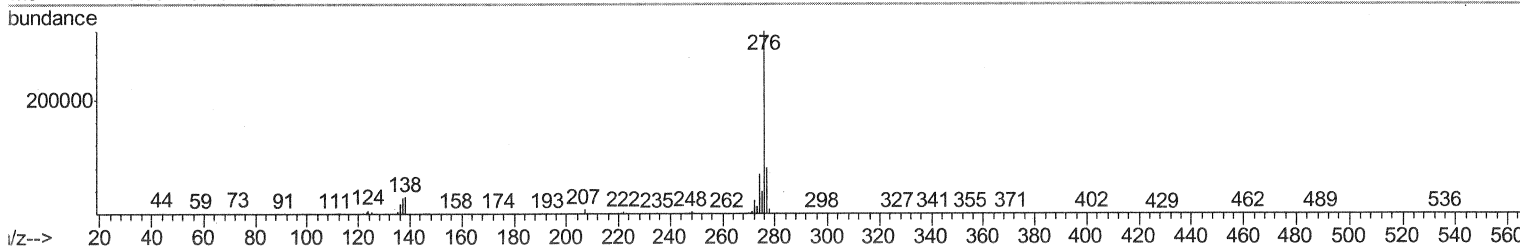
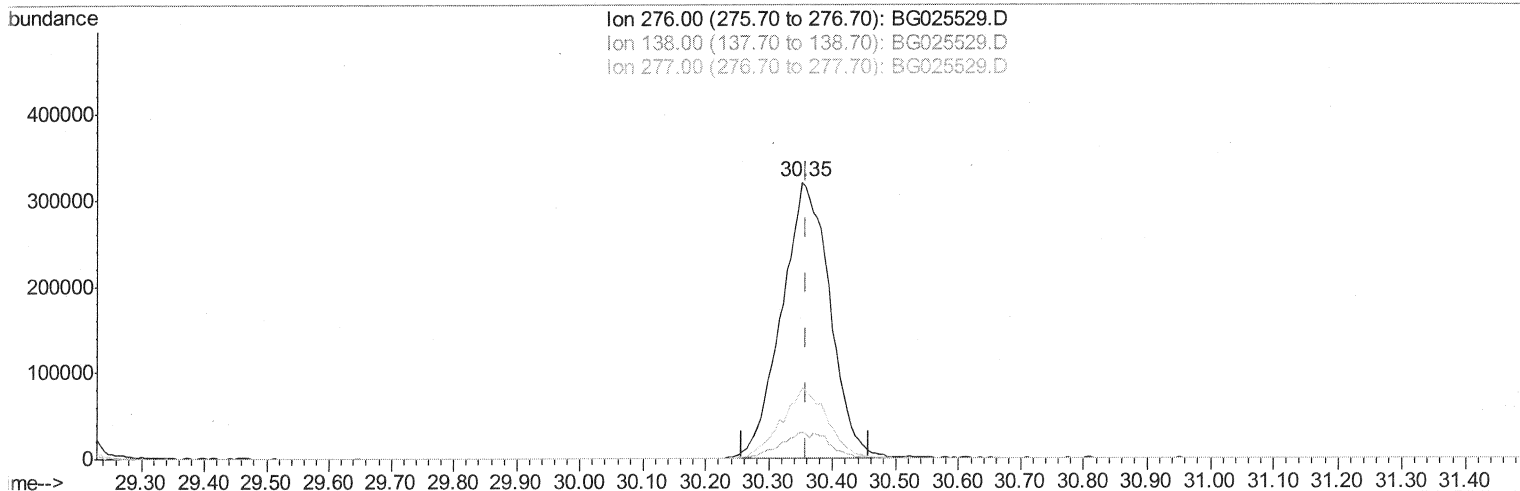
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011817\
 Data File : BG025529.D
 Acq On : 18 Jan 2017 13:53
 Operator : UM/SJ
 Sample : SST04008
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SST04008

Manual Integrations
 APPROVED

mohammad
 1/19/2017 5:52:07 PM

Quant Time: Jan 18 15:04:13 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 18 14:57:38 2017
 Response via : Initial Calibration



TIC: BG025529.D

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

30.352min (-0.007) 42.31ng/ul m 521/27117

response 1668824

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	9.42
277.00	22.00	25.35
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011817\
 Data File : BG025529.D
 Acq On : 18 Jan 2017 13:53
 Operator : UM/SJ
 Sample : SSTD04008
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD04008

Manual Integrations
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Quant Time: Jan 18 15:15:09 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 18 14:57:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	64927	20.00	ng/ul	0.00
18) Naphthalene-d8	11.01	136	297035	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.81	164	273318	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.56	188	630208	20.00	ng/ul	0.00
75) Chrysene-d12	21.84	240	797795	20.00	ng/ul	0.00
83) Perylene-d12	25.23	264	797673	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.51	96	20864	16.60	ng/uL	0.00
5) Phenol-d5	7.34	99	235640	42.07	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.50	67	146683	42.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.71	132	165948	42.37	ng/ul	0.00
13) 4-Methylphenol-d8	8.89	113	198517	42.41	ng/ul	0.00
19) Nitrobenzene-d5	9.36	128	87777	41.73	ng/ul	0.00
22) 2-Nitrophenol-d4	10.09	143	109006	41.57	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.63	165	208997	41.44	ng/ul	0.00
29) 4-Chloroaniline-d4	11.15	131	241376	48.70	ng/ul	0.00
43) Dimethylphthalate-d6	14.21	166	745074	39.63	ng/ul	0.00
46) Acenaphthylene-d8	14.51	160	805087	39.10	ng/ul	0.00
51) 4-Nitrophenol-d4	15.04	143	103988	32.18	ng/ul	0.00
57) Fluorene-d10	15.80	176	697660	39.43	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.95	200	159703	40.99	ng/ul	0.00
70) Anthracene-d10	17.65	188	1065283	40.05	ng/ul	0.00
76) Pyrene-d10	19.93	212	1322520	40.25	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.99	264	1375120	42.55	ng/ul	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.55	88	24028	14.67	ng/uL	97
4) Benzaldehyde	7.32	77	182683	43.32	ng/ul	99
6) Phenol	7.37	94	246783	42.92	ng/ul	96
8) Bis(2-Chloroethyl)ether	7.59	93	175144	41.63	ng/ul	95
10) 2-Chlorophenol	7.74	128	165794	42.10	ng/ul	96
11) 2-Methylphenol	8.63	108	180939	42.74	ng/ul	93
12) 2,2'-oxybis(1-Chloropropan	8.71	45	334406	46.74	ng/ul#	98
14) Acetophenone	9.02	105	310933	43.65	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.98	70	190436	46.28	ng/ul#	93
16) 4-Methylphenol	8.97	108	196767	41.78	ng/ul	93
17) Hexachloroethane	9.26	117	73745	42.27	ng/ul#	86
20) Nitrobenzene	9.41	77	283595	43.88	ng/ul	97
21) Isophorone	9.92	82	525589	42.97	ng/ul	98
23) 2-Nitrophenol	10.12	139	108934	40.95	ng/ul	97
24) 2,4-Dimethylphenol	10.17	107	251397	41.33	ng/ul	95
25) Bis(2-Chloroethoxy)methane	10.40	93	268498	43.07	ng/ul	96
27) 2,4-Dichlorophenol	10.66	162	210816	43.05	ng/ul	97
28) Naphthalene	11.06	128	569390	41.24	ng/ul	98
30) 4-Chloroaniline	11.18	127	246833	48.72	ng/ul	91
31) Hexachlorobutadiene	11.32	225	171765	40.80	ng/ul	96
32) Caprolactam	11.96	113	86299m	42.44	ng/ul	97
33) 4-Chloro-3-methylphenol	12.29	107	241236	39.97	ng/ul	99
34) 2-Methylnaphthalene	12.65	142	460297	42.24	ng/ul	92

SJ 1/19/17

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011817\
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 Sample : SST04008
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SST04008

Manual Integrations
 APPROVED

mohammad
 1/19/2017 5:52:07 PM

Quant Time: Jan 18 15:15:09 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 18 14:57:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.01	216	319961	38.84	ng/ul	94
37) Hexachlorocyclopentadiene	12.97	237	126031	26.06	ng/ul	97
38) 2,4,6-Trichlorophenol	13.26	196	202101	39.05	ng/ul	93
39) 2,4,5-Trichlorophenol	13.34	196	207942	36.66	ng/ul	99
40) 1,1'-Biphenyl	13.64	154	654850	39.52	ng/ul	98
41) 2-Chloronaphthalene	13.69	162	512805	38.87	ng/ul	97
42) 2-Nitroaniline	13.91	65	227684	44.10	ng/ul	94
44) Dimethylphthalate	14.25	163	739365	40.02	ng/ul	99
45) 2,6-Dinitrotoluene	14.40	165	157074	39.56	ng/ul#	94
47) Acenaphthylene	14.54	152	783774	39.15	ng/ul	99
48) 3-Nitroaniline	14.74	138	145156	42.22	ng/ul#	90
49) Acenaphthene	14.88	153	554780	40.45	ng/ul	97
50) 2,4-Dinitrophenol	14.96	184	91043	35.29	ng/ul	94
52) 4-Nitrophenol	15.06	109	152628	39.27	ng/ul	94
53) Dibenzofuran	15.20	168	848571	39.12	ng/ul	95
54) 2,4-Dinitrotoluene	15.19	165	246533	41.20	ng/ul#	95
55) 2,3,4,6-Tetrachlorophenol	15.44	232	223671	37.32	ng/ul	96
56) Diethylphthalate	15.60	149	785283	40.14	ng/ul	98
58) Fluorene	15.86	166	696013	39.41	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.83	204	385386	38.75	ng/ul	89
60) 4-Nitroaniline	15.90	138	136860	33.00	ng/ul	88
63) 4,6-Dinitro-2-methylphenol	15.96	198	166564	41.27	ng/ul#	94
64) N-Nitrosodiphenylamine	16.06	169	650778	40.14	ng/ul	98
65) 4-Bromophenyl-phenylether	16.73	248	293930	41.29	ng/ul	96
66) Hexachlorobenzene	16.86	284	331587	41.37	ng/ul	97
67) Atrazine	16.99	200	313808	40.71	ng/ul	93
68) Pentachlorophenol	17.21	266	143460	29.81	ng/ul	93
69) Phenanthrene	17.60	178	1220910	40.59	ng/ul	99
71) Anthracene	17.69	178	1238192	40.04	ng/ul	99
72) Carbazole	17.97	167	1055703	40.92	ng/ul	98
73) Di-n-butylphthalate	18.48	149	1309955	40.21	ng/ul	99
74) Fluoranthene	19.60	202	1543023	43.17	ng/ul	99
77) Pyrene	19.96	202	1533549	39.99	ng/ul	98
78) Butylbenzylphthalate	20.81	149	622011	41.42	ng/ul	99
79) 3,3'-Dichlorobenzidine	21.73	252	614460	44.18	ng/ul	93
80) Benzo(a)anthracene	21.82	228	1655024	39.93	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.67	149	864200	41.81	ng/ul	97
82) Chrysene	21.89	228	1544639	39.84	ng/ul	98
84) Di-n-octyl phthalate	22.92	149	1453428	44.88	ng/ul	100
85) Benzo(b)fluoranthene	24.15	252	1725139	43.61	ng/ul	98
86) Benzo(k)fluoranthene	24.22	252	1565303	41.63	ng/ul	98
88) Benzo(a)pyrene	25.07	252	1600939	42.10	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	29.14	276	2035904m>	43.07	ng/ul	
90) Dibenzo(a,h)anthracene	29.18	278	1702221m>	42.74	ng/ul	
91) Benzo(g,h,i)perylene	30.35	276	1668824m>	42.31	ng/ul	

} SJ 1/27/17

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