

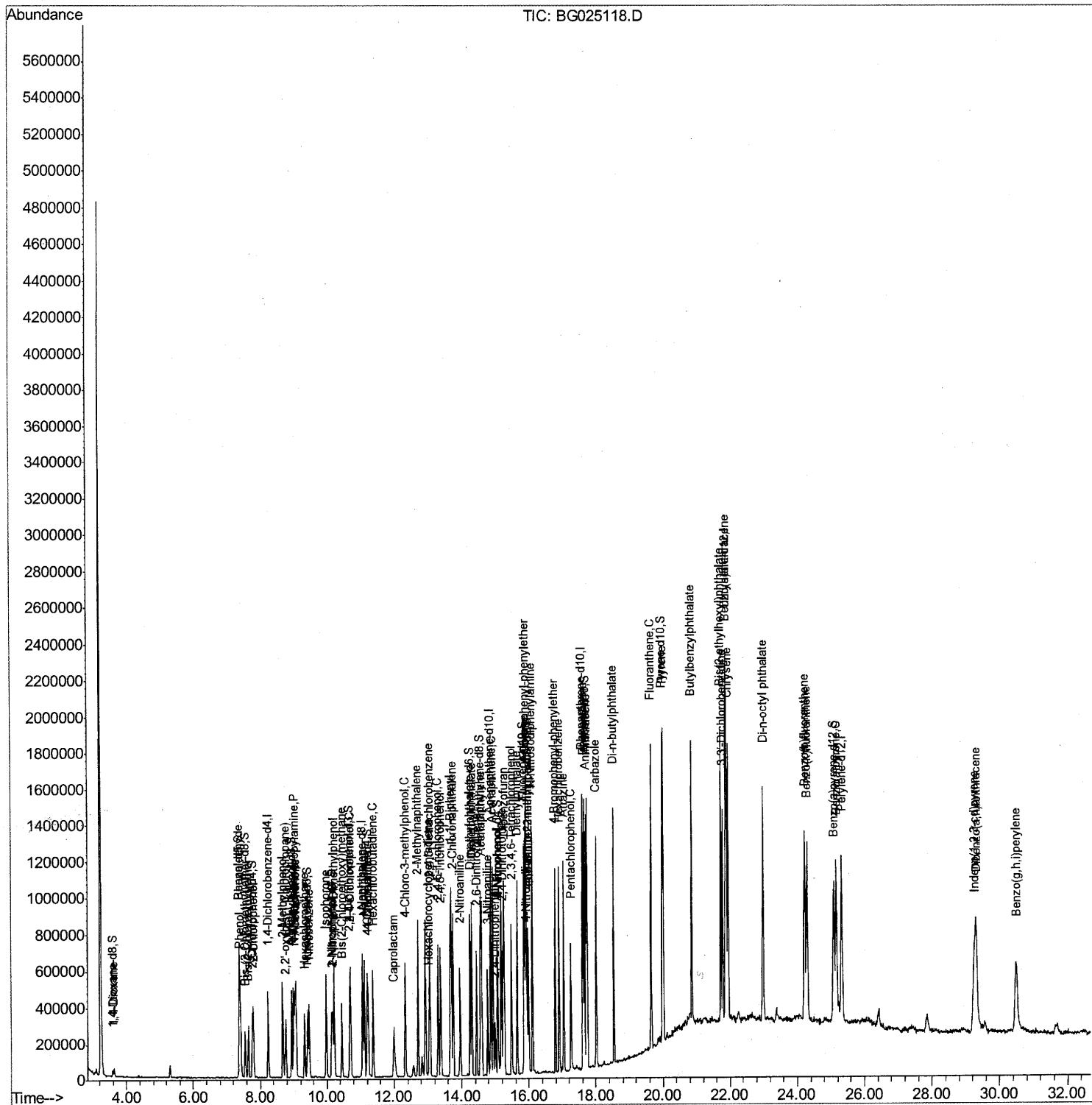
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Data Path   : Z:\HPCHEM1\BNA_G\DATA\BG121216\  
Data File   : BG025118.D  
Acq On      : 12 Dec 2016   17:25  
Operator    : UM/SJ  
Sample      : SSTDCCC020  
Misc        :  
ALS Vial    : 2      Sample Multiplier: 1
```

Instrument :
BNA_G
LabSampleId :
SSTD02032

Manual Integrations

sohil
12/13/2016 6:06:36 PM

Quant Time: Dec 13 01:00:56 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 00:29:17 2016
Response via : Initial Calibration



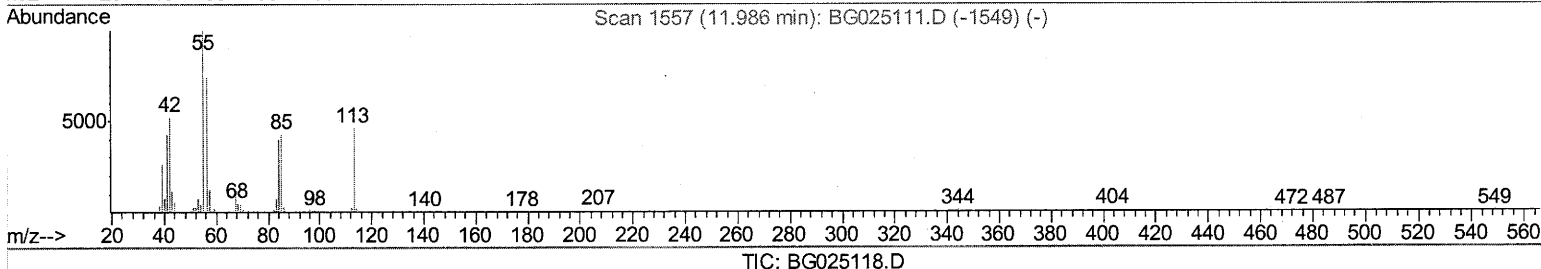
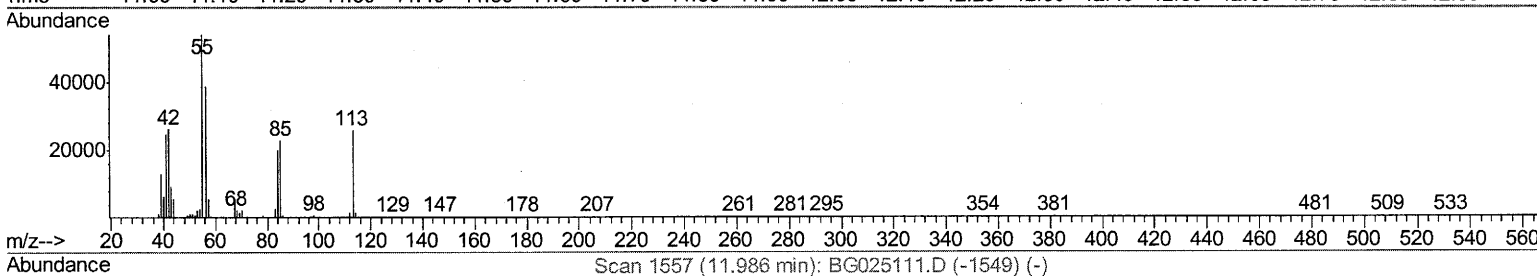
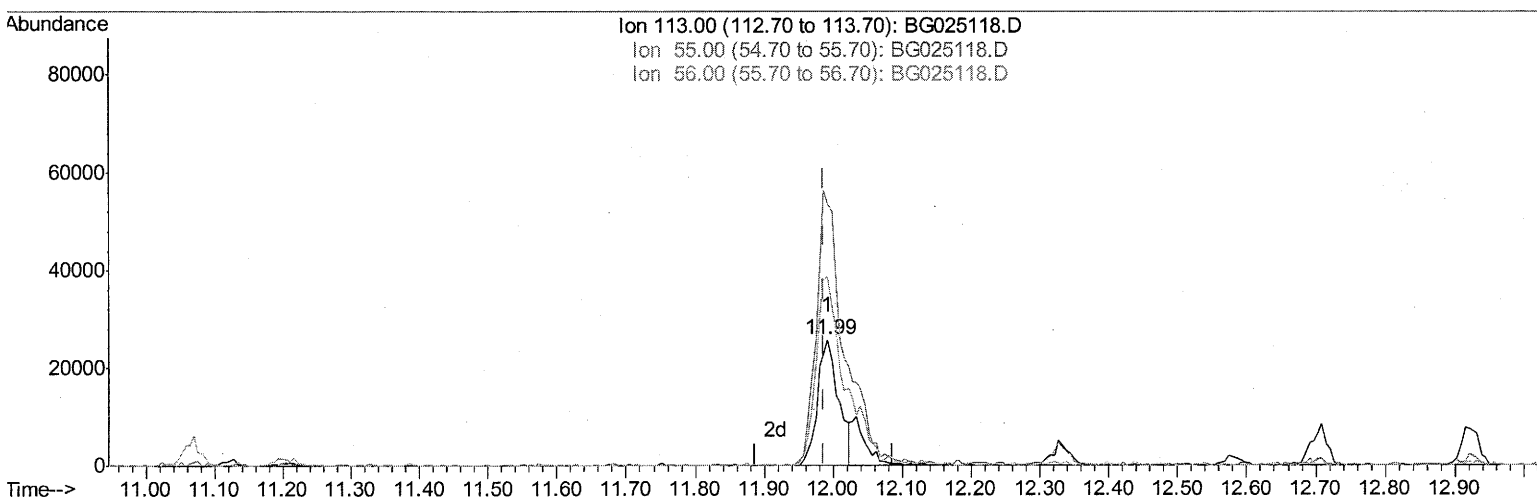
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
Data File : BG025118.D
Acq On : 12 Dec 2016 17:25
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02032

Manual Integrations
APPROVED

sohil
12/13/2016 6:06:36 PM

Quant Time: Dec 13 00:33:19 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 00:29:17 2016
Response via : Initial Calibration



(32) Caprolactam

11.992min (+0.006) 14.80ng/ul

response 54170

Ion	Exp%	Act%
113.00	100	100
55.00	210.70	208.84
56.00	160.60	150.42
0.00	0.00	0.00

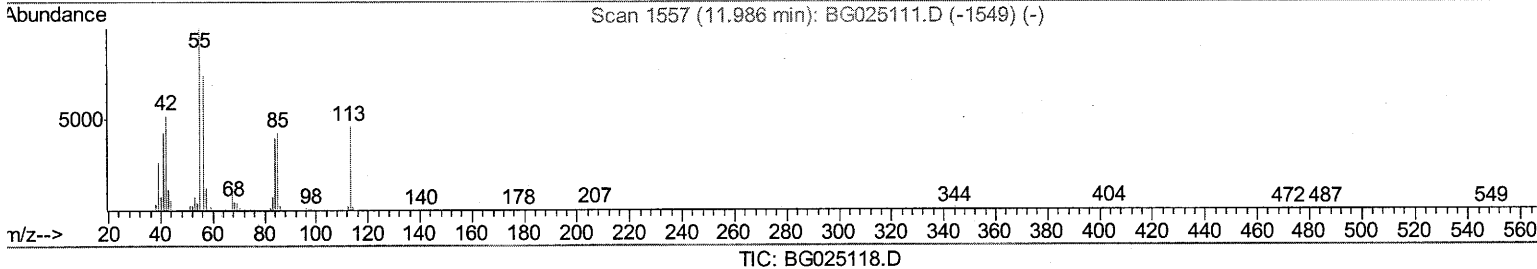
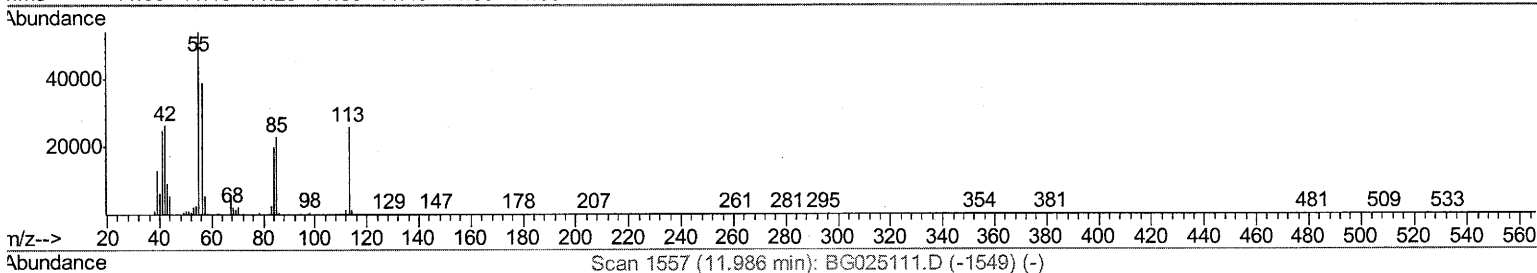
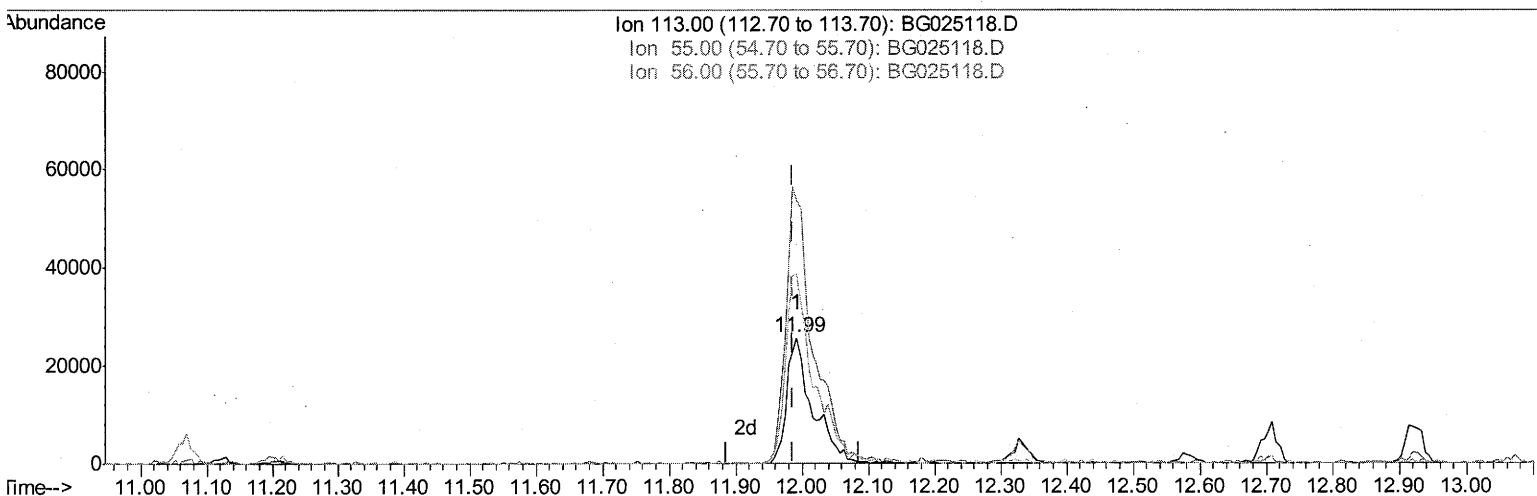
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
Data File : BG025118.D
Acq On : 12 Dec 2016 17:25
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleID :
SSTD02032

Manual Integrations
APPROVED

sohil
12/13/2016 6:06:36 PM

Quant Time: Dec 13 00:33:19 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 00:29:17 2016
Response via : Initial Calibration



(32) Caprolactam

11.992min (+0.006) 18.86ng/ul m

response 69046

Ion	Exp%	Act%
113.00	100	100
55.00	210.70	208.84
56.00	160.60	150.42
0.00	0.00	0.00

6m

12/13/16

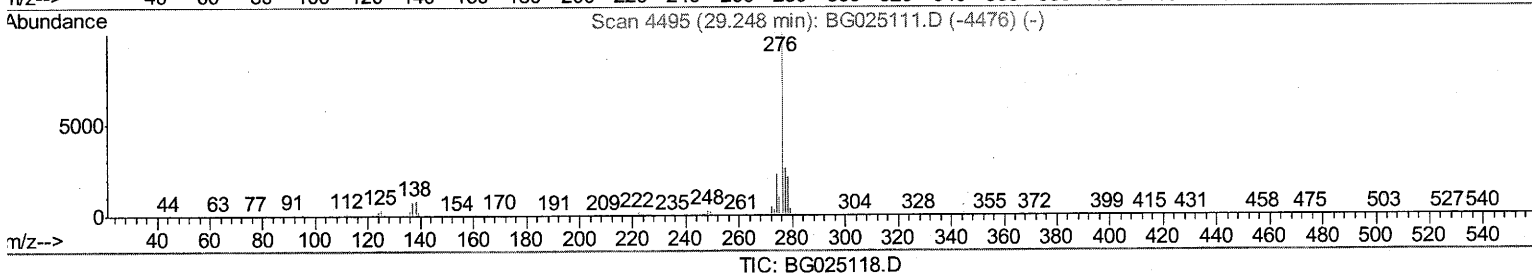
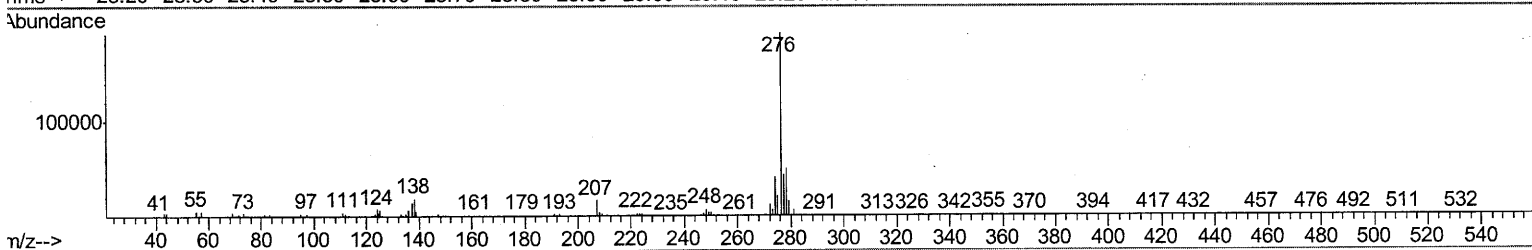
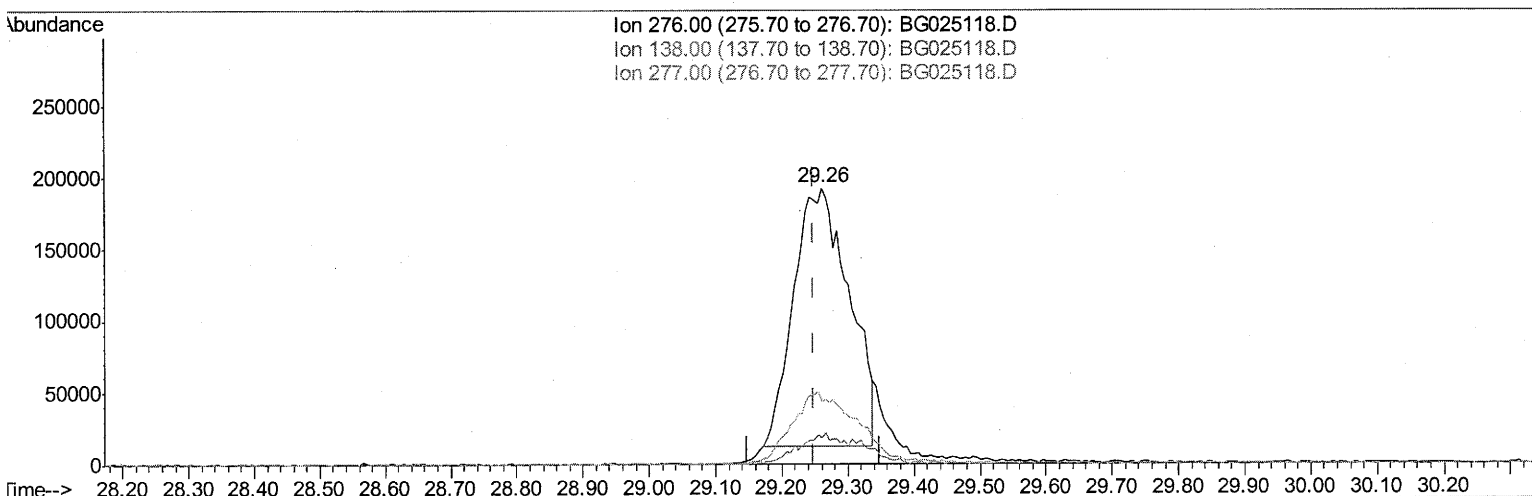
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
Data File : BG025118.D
Acq On : 12 Dec 2016 17:25
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02032

Manual Integrations
APPROVED

sohil
12/13/2016 6:06:36 PM

Quant Time: Dec 13 00:33:19 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 00:29:17 2016
Response via : Initial Calibration



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

29.260min (+0.012) 16.13ng/ul

response 1040485

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	9.76
277.00	23.30	22.96
0.00	0.00	0.00

Quantitation Report (Qedit)

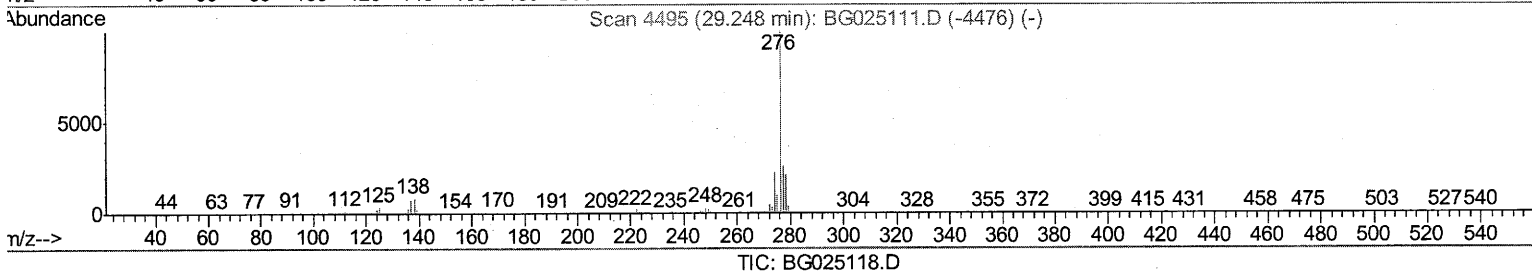
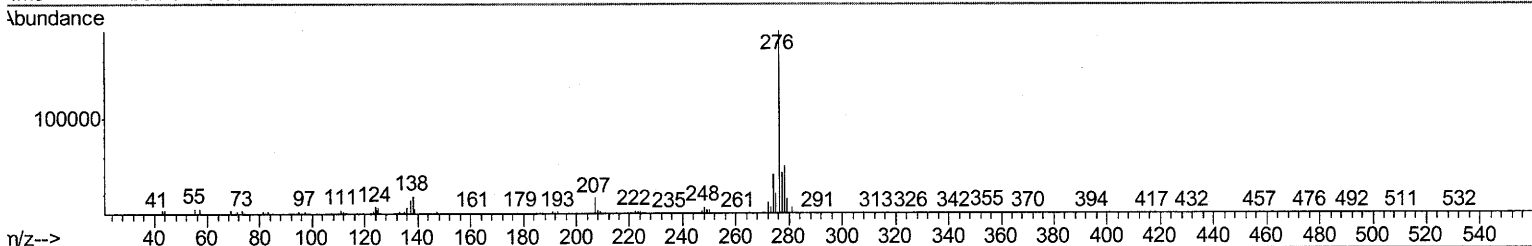
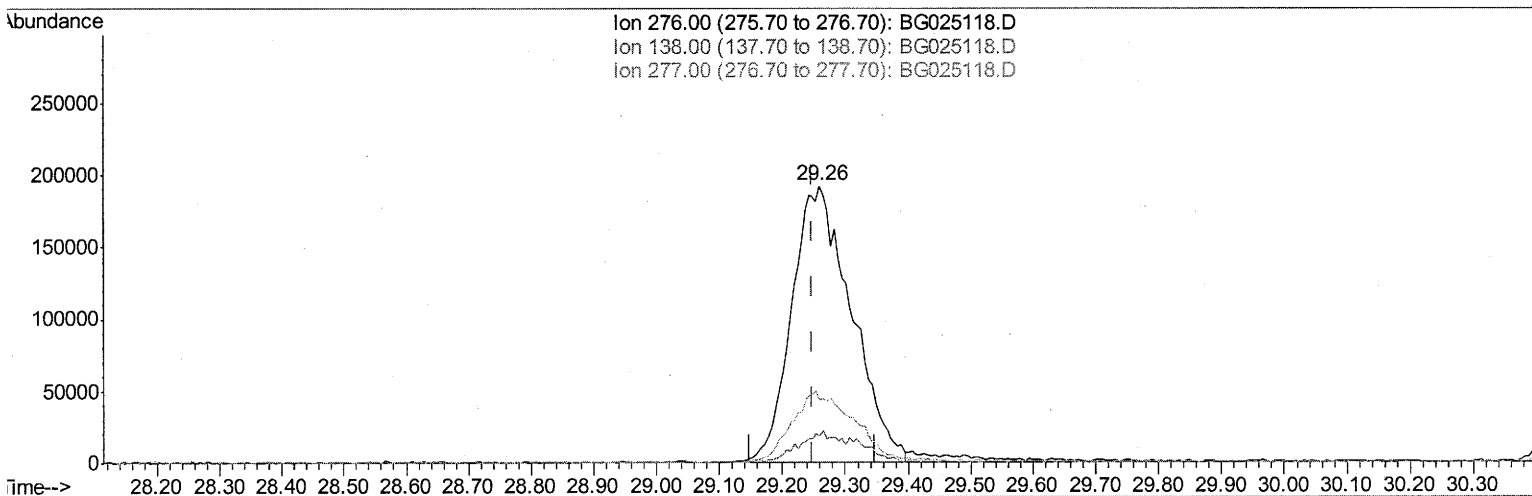
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
 Data File : BG025118.D
 Acq On : 12 Dec 2016 17:25
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02032

Manual Integrations
 APPROVED

sohil
 12/13/2016 6:06:36 PM

Quant Time: Dec 13 00:33:19 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 13 00:29:17 2016
 Response via : Initial Calibration



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

29.260min (+0.012) 19.57ng/ul m

response 1262255

UM
 12/13/16

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	9.76
277.00	23.30	22.96
0.00	0.00	0.00

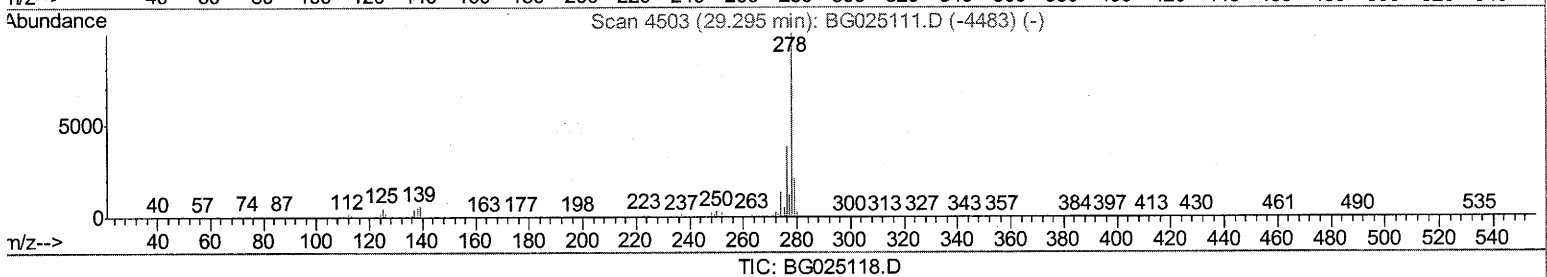
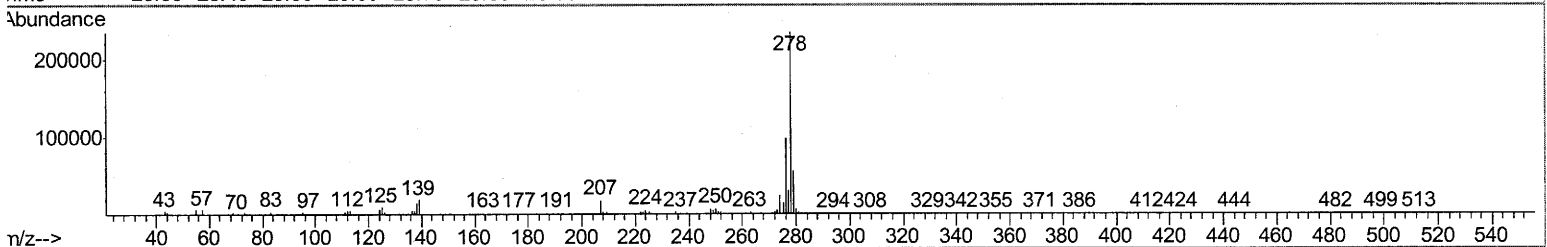
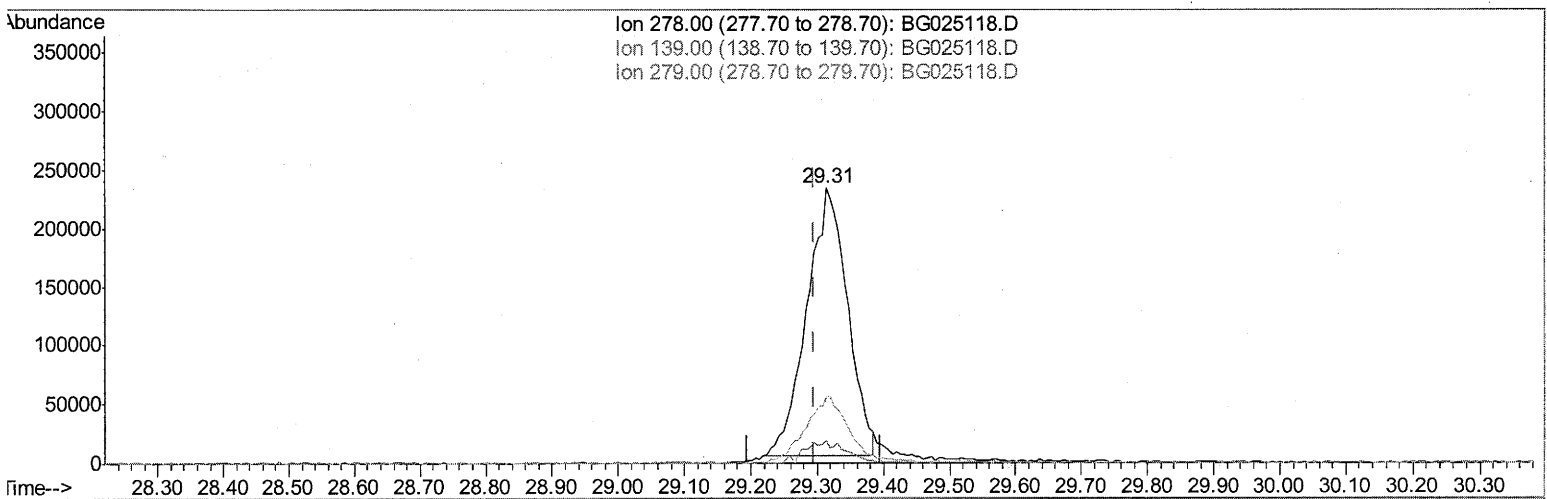
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
Data File : BG025118.D
Acq On : 12 Dec 2016 17:25
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02032

Manual Integrations
APPROVED

sohil
12/13/2016 6:06:36 PM

Quant Time: Dec 13 00:33:19 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 00:29:17 2016
Response via : Initial Calibration



(90) Dibenzo(a,h)anthracene

29.313min (+0.018) 17.84ng/ul

response 969587

Ion	Exp%	Act%
278.00	100	100
139.00	8.40	8.01
279.00	26.10	24.28
0.00	0.00	0.00

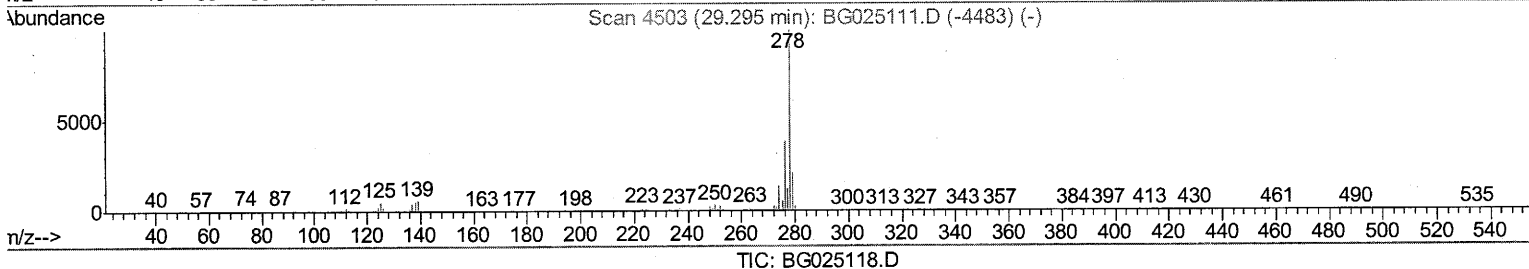
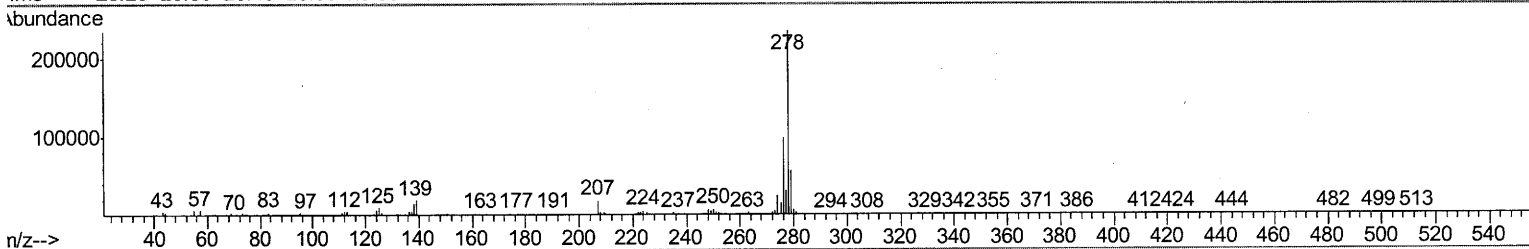
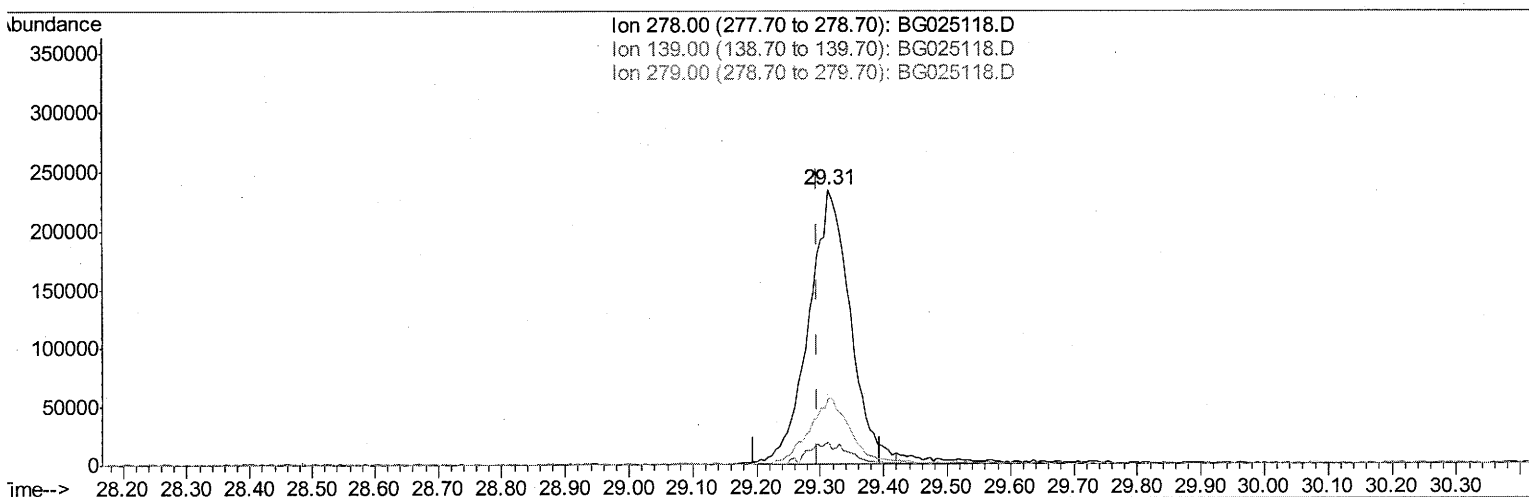
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
Data File : BG025118.D
Acq On : 12 Dec 2016 17:25
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02032

Manual Integrations
APPROVED

sohil
12/13/2016 6:06:36 PM

Quant Time: Dec 13 00:33:19 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 00:29:17 2016
Response via : Initial Calibration



(90) Dibenzo(a,h)anthracene

29.313min (+0.018) 19.62ng/ul m

Um

response 1066110

12/13/1

Ion	Exp%	Act%
278.00	100	100
139.00	8.40	8.01
279.00	26.10	24.28
0.00	0.00	0.00

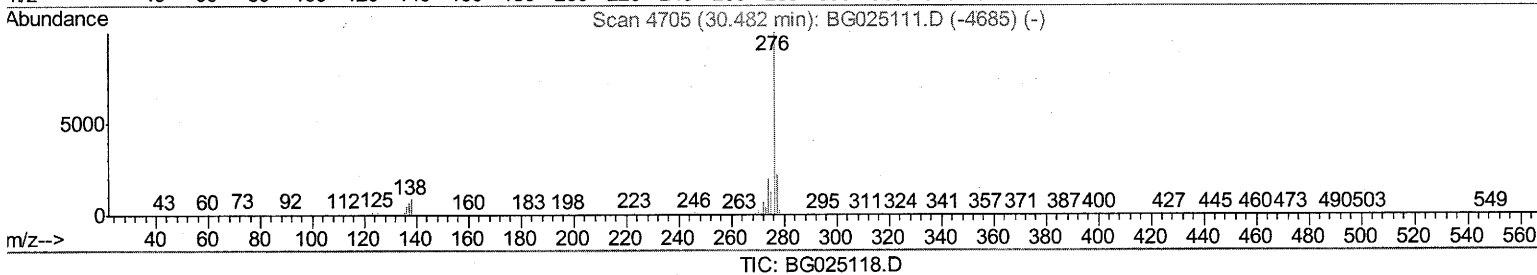
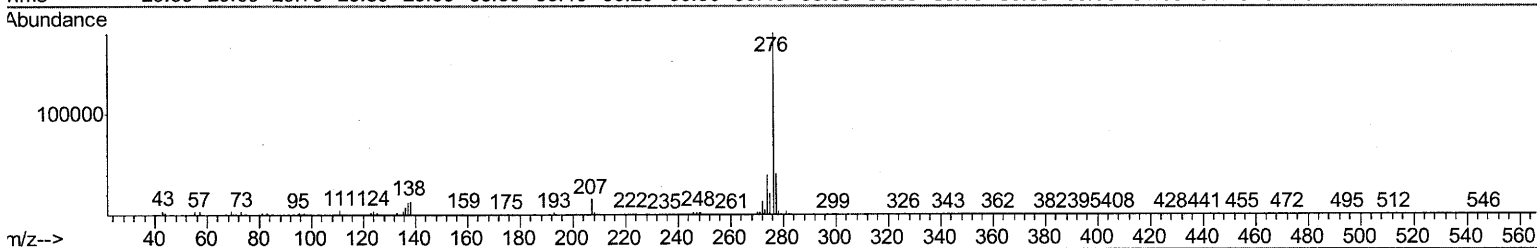
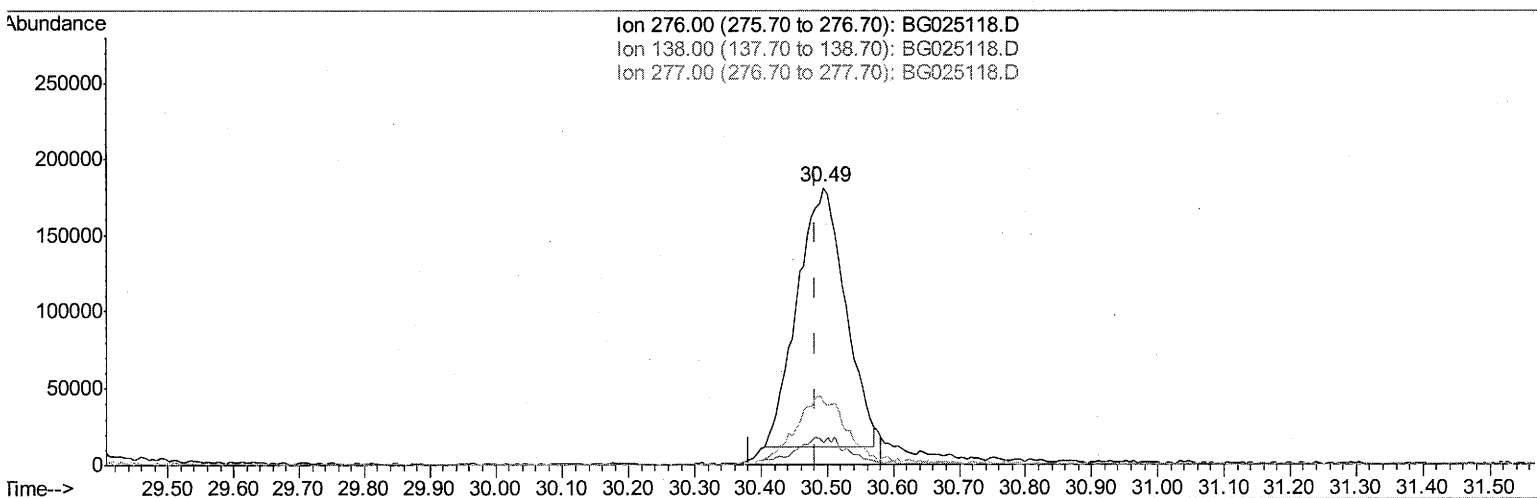
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
Data File : BG025118.D
Acq On : 12 Dec 2016 17:25
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02032

Manual Integrations
APPROVED

sohil
12/13/2016 6:06:36 PM

Quant Time: Dec 13 00:33:19 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 00:29:17 2016
Response via : Initial Calibration



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

30.494min (+0.012) 15.87ng/ul

response 854300

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	7.80#
277.00	22.00	22.97
0.00	0.00	0.00

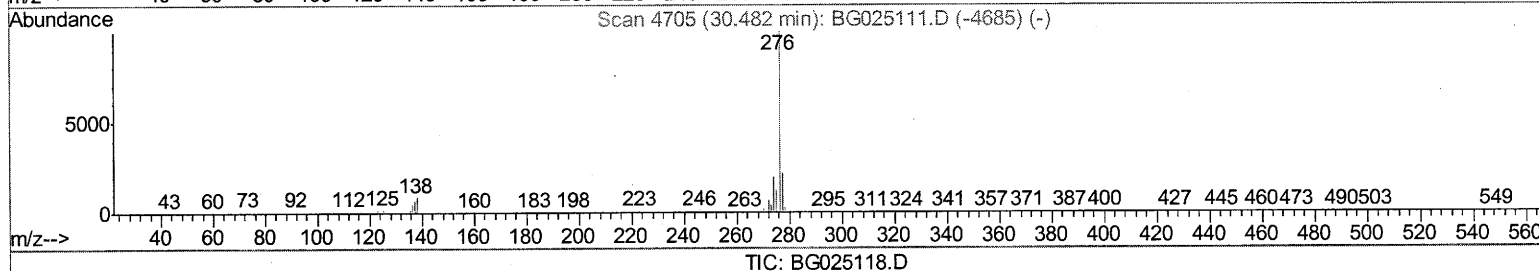
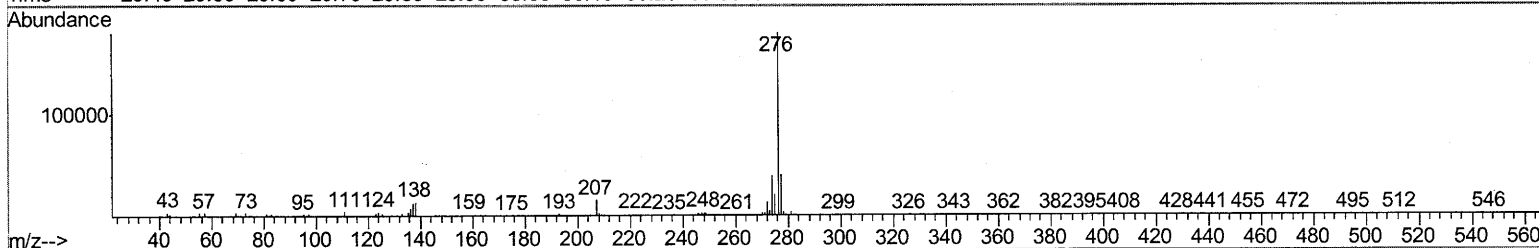
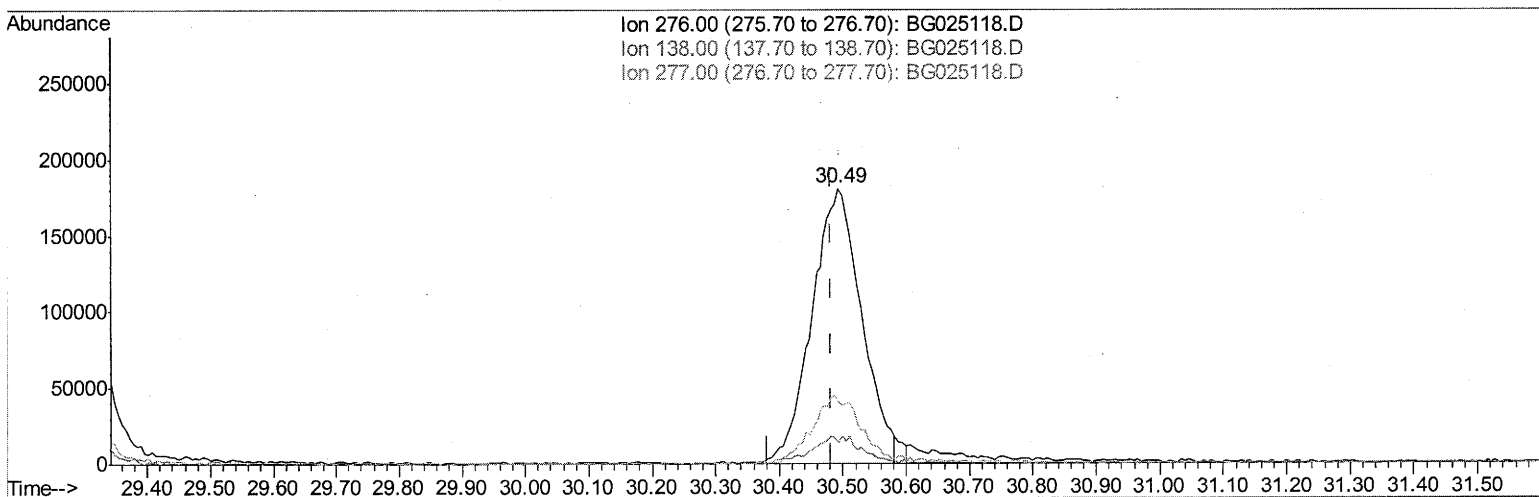
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
Data File : BG025118.D
Acq On : 12 Dec 2016 17:25
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02032

Manual Integrations
APPROVED

sohil
12/13/2016 6:06:36 PM

Quant Time: Dec 13 00:33:19 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 00:29:17 2016
Response via : Initial Calibration



TIC: BG025118.D

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

30.494min (+0.012) 18.70ng/ul m

response 1006710

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	7.80#
277.00	22.00	22.97
0.00	0.00	0.00

UM
12/13/16

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
 Data File : BG025118.D
 Acq On : 12 Dec 2016 17:25
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02032

Manual Integrations
 APPROVED

sohil
 12/13/2016 6:06:36 PM

Quant Time: Dec 13 01:00:56 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 13 00:29:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	118023	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	534839	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.87	164	436334	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	942049	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	1064662	20.00	ng/ul	0.00
83) Perylene-d12	25.33	264	1088662	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	15235	6.67	ng/uL	0.00
5) Phenol-d5	7.39	99	215334	21.15	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.56	67	129969	20.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	147495	20.71	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	179109	21.05	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	77570	20.48	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	95356	20.20	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	188249	20.73	ng/ul	0.00
29) 4-Chloroaniline-d4	11.20	131	214459	24.03	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	587898	19.59	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	678374	20.63	ng/ul	0.00
51) 4-Nitrophenol-d4	15.06	143	97105	18.83	ng/ul	0.00
57) Fluorene-d10	15.85	176	561859	19.89	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	113781	19.53	ng/ul	0.00
70) Anthracene-d10	17.70	188	807038	20.30	ng/ul	0.00
76) Pyrene-d10	19.98	212	910510	20.76	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.08	264	937016	21.24	ng/ul	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.63	88	19831	6.66	ng/uL#	81
4) Benzaldehyde	7.37	77	171365	22.36	ng/ul	91
6) Phenol	7.42	94	222237	21.26	ng/ul#	93
8) Bis(2-Chloroethyl)ether	7.65	93	153850	20.12	ng/ul	96
10) 2-Chlorophenol	7.80	128	148679	20.77	ng/ul	96
11) 2-Methylphenol	8.68	108	167722	21.80	ng/ul	98
12) 2,2'-oxybis(1-Chloropropan	8.76	45	294734	22.66	ng/ul#	96
14) Acetophenone	9.07	105	264283	20.41	ng/ul	93
15) N-Nitroso-di-n-propylamine	9.04	70	150377	20.11	ng/ul#	92
16) 4-Methylphenol	9.01	108	174607	20.40	ng/ul	98
17) Hexachloroethane	9.32	117	67002	21.13	ng/ul	93
20) Nitrobenzene	9.46	77	245658	21.11	ng/ul	99
21) Isophorone	9.98	82	420405	19.09	ng/ul	97
23) 2-Nitrophenol	10.18	139	93526	19.53	ng/ul	96
24) 2,4-Dimethylphenol	10.22	107	225369	20.58	ng/ul	93
25) Bis(2-Chloroethoxy)methane	10.45	93	230584	20.54	ng/ul	94
27) 2,4-Dichlorophenol	10.71	162	183489	20.81	ng/ul	95
28) Naphthalene	11.12	128	491757	19.78	ng/ul	99
30) 4-Chloroaniline	11.23	127	218152	23.91	ng/ul	99
31) Hexachlorobutadiene	11.38	225	139891	18.46	ng/ul	87
32) Caprolactam	11.99	113	69046m	18.86	ng/ul	
33) 4-Chloro-3-methylphenol	12.33	107	222872	20.51	ng/ul	99
34) 2-Methylnaphthalene	12.70	142	393003	20.03	ng/ul	99

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Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
 Data File : BG025118.D
 Acq On : 12 Dec 2016 17:25
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02032

Manual Integrations
 APPROVED

sohil
 12/13/2016 6:06:36 PM

Quant Time: Dec 13 01:00:56 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 13 00:29:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.06	216	267889	20.37	ng/ul	94
37) Hexachlorocyclopentadiene	13.03	237	108395	14.04	ng/ul	97
38) 2,4,6-Trichlorophenol	13.30	196	176990	21.42	ng/ul	93
39) 2,4,5-Trichlorophenol	13.38	196	187425	20.70	ng/ul	90
40) 1,1'-Biphenyl	13.70	154	545376	20.62	ng/ul	98
41) 2-Chloronaphthalene	13.75	162	435526	20.68	ng/ul	96
42) 2-Nitroaniline	13.95	65	186038	22.57	ng/ul	95
44) Dimethylphthalate	14.30	163	567299	19.23	ng/ul	100
45) 2,6-Dinitrotoluene	14.44	165	127611	20.13	ng/ul#	92
47) Acenaphthylene	14.59	152	651565	20.39	ng/ul	98
48) 3-Nitroaniline	14.78	138	123448	22.49	ng/ul#	99
49) Acenaphthene	14.92	153	461120	21.06	ng/ul	98
50) 2,4-Dinitrophenol	14.98	184	66522	16.15	ng/ul	92
52) 4-Nitrophenol	15.08	109	122644	19.77	ng/ul	90
53) Dibenzofuran	15.26	168	695122	20.07	ng/ul	97
54) 2,4-Dinitrotoluene	15.22	165	185931	19.47	ng/ul	98
55) 2,3,4,6-Tetrachlorophenol	15.48	232	186817	19.53	ng/ul#	95
56) Diethylphthalate	15.65	149	591028	18.92	ng/ul	96
58) Fluorene	15.91	166	560869	19.89	ng/ul	100
59) 4-Chlorophenyl-phenylether	15.89	204	304078	19.15	ng/ul	91
60) 4-Nitroaniline	15.93	138	121084	18.29	ng/ul	97
63) 4,6-Dinitro-2-methylphenol	15.99	198	115430	19.13	ng/ul#	98
64) N-Nitrosodiphenylamine	16.10	169	521487	21.52	ng/ul	95
65) 4-Bromophenyl-phenylether	16.78	248	222314	20.89	ng/ul	98
66) Hexachlorobenzene	16.91	284	246470	20.57	ng/ul#	88
67) Atrazine	17.04	200	232943	20.22	ng/ul	95
68) Pentachlorophenol	17.25	266	142719	19.84	ng/ul	93
69) Phenanthrene	17.65	178	930990	20.71	ng/ul	99
71) Anthracene	17.74	178	946054	20.47	ng/ul	97
72) Carbazole	18.01	167	816703	21.18	ng/ul	98
73) Di-n-butylphthalate	18.53	149	984104	20.21	ng/ul	99
74) Fluoranthene	19.64	202	1066966	19.97	ng/ul	99
77) Pyrene	20.01	202	1072851	20.96	ng/ul	98
78) Butylbenzylphthalate	20.86	149	436475	21.78	ng/ul	99
79) 3,3'-Dichlorobenzidine	21.79	252	435045	23.44	ng/ul#	91
80) Benzo(a)anthracene	21.88	228	1148950	20.77	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.73	149	620082	22.48	ng/ul	99
82) Chrysene	21.95	228	1067944	20.64	ng/ul	98
84) Di-n-octyl phthalate	23.00	149	1036322	23.45	ng/ul	100
85) Benzo(b)fluoranthene	24.22	252	1143383	21.18	ng/ul	99
86) Benzo(k)fluoranthene	24.30	252	1058203	20.62	ng/ul	97
88) Benzo(a)pyrene	25.16	252	1080981	20.83	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	29.26	276	1262255m	19.57	ng/ul	
90) Dibenzo(a,h)anthracene	29.31	278	1066110m	19.62	ng/ul	
91) Benzo(g,h,i)perylene	30.49	276	1006710m	18.70	ng/ul	

} um
 12/13/11

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