

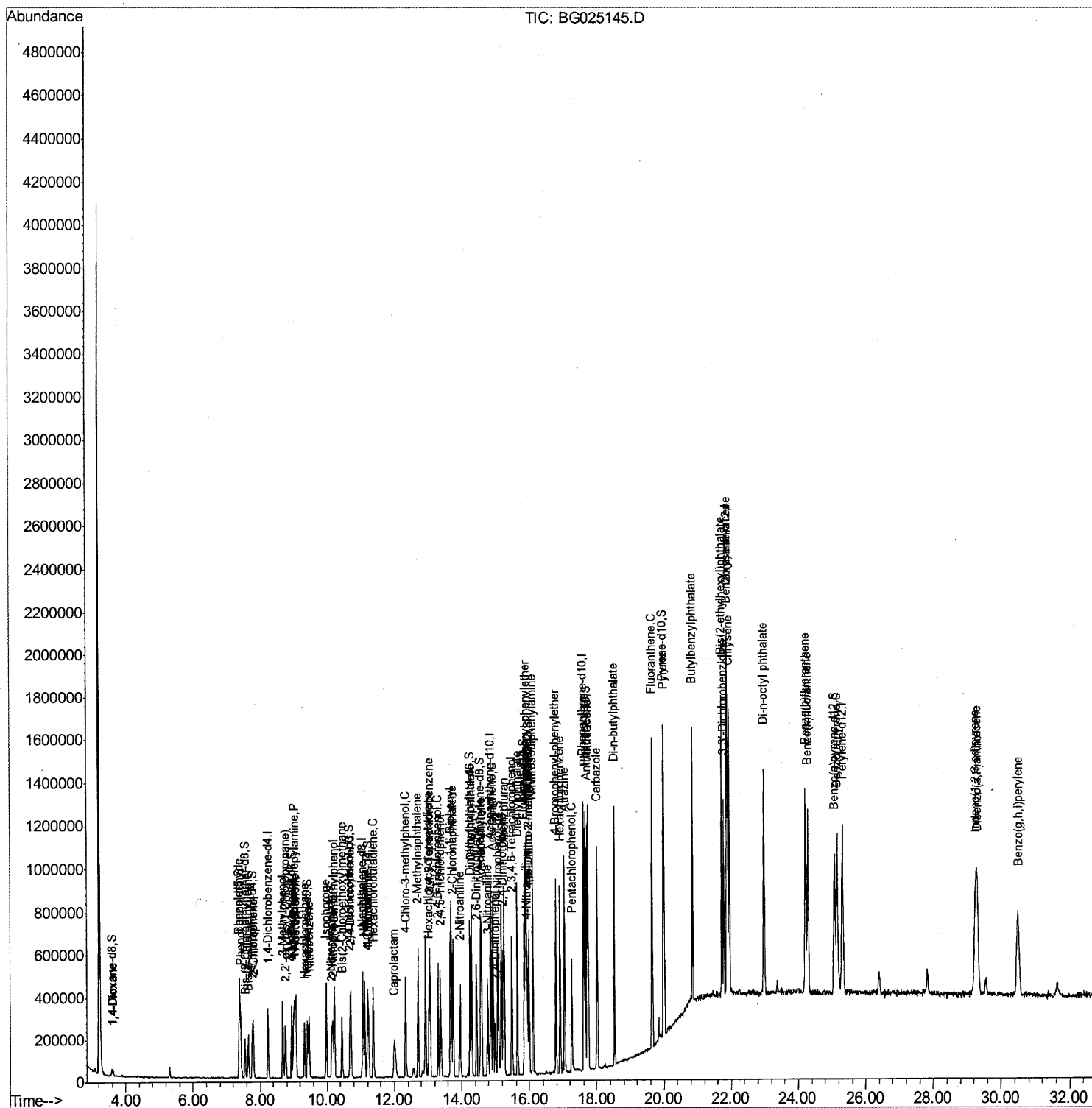
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Data Path   : Z:\HPCHEM1\BNA_G\DATA\BG121316\  
Data File  : BG025145.D  
Acq On     : 13 Dec 2016   13:06  
Operator   : UM/SJ  
Sample     : SSTDCCC020  
Misc       :  
ALS Vial   : 2      Sample Multiplier: 1
```

Instrument :
BNA_G
LabSampleId :
SSTD02002

Manual Integrations
APPROVED

sohil
12/14/2016 6:16:02 PM

Quant Time: Dec 14 02:48:44 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 06:23:40 2016
Response via : Initial Calibration



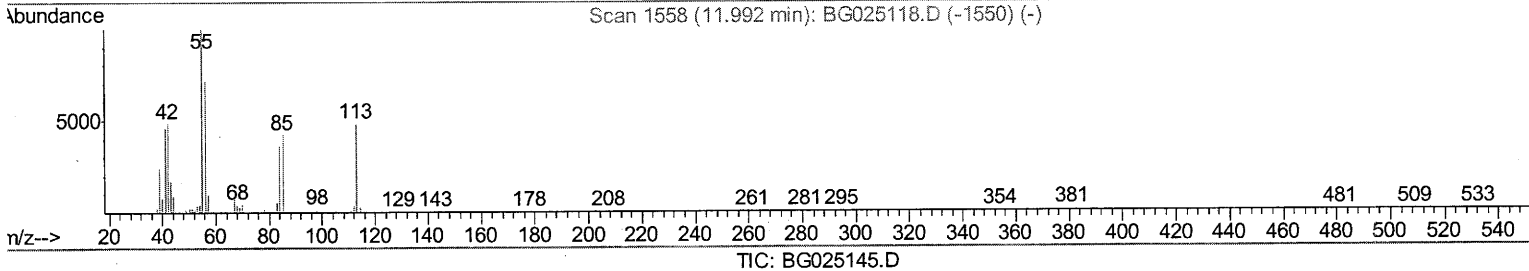
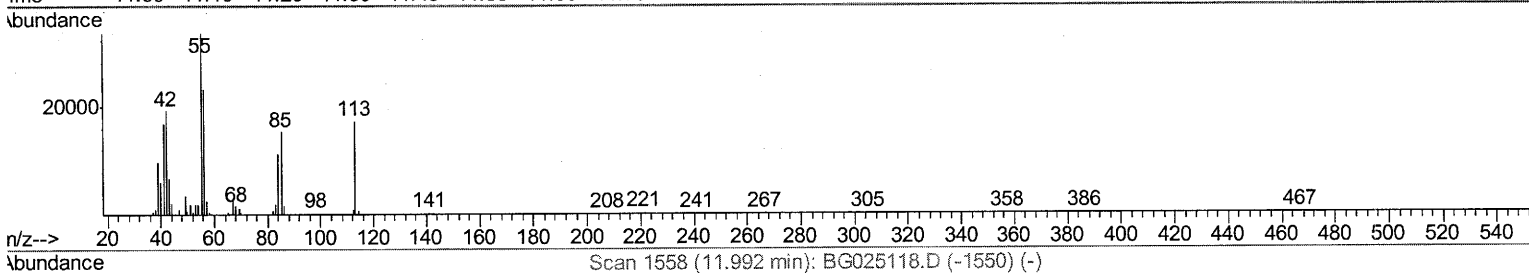
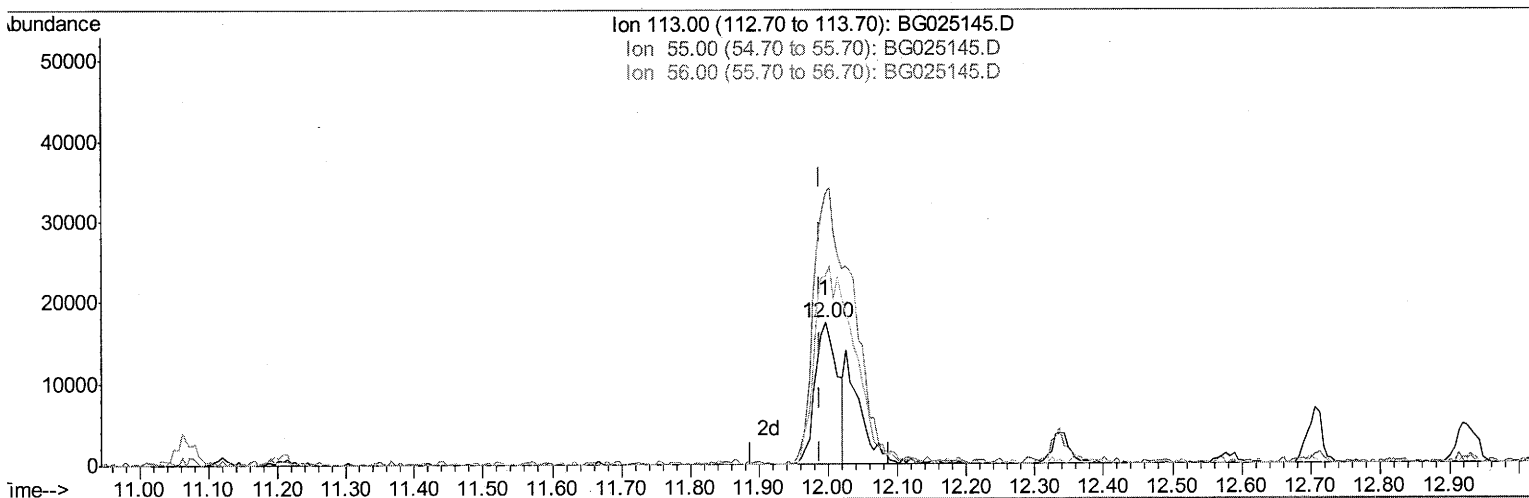
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121316\
Data File : BG025145.D
Acq On : 13 Dec 2016 13:06
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02002

Manual Integrations
APPROVED

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12/14/2016 6:16:02 PM

Quant Time: Dec 14 02:42:24 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 06:23:40 2016
Response via : Initial Calibration



(32) Caprolactam

11.996min (+0.007) 14.94ng/ul

response 38693

Ion	Exp%	Act%
113.00	100	100
55.00	210.70	192.54
56.00	160.60	133.23
0.00	0.00	0.00

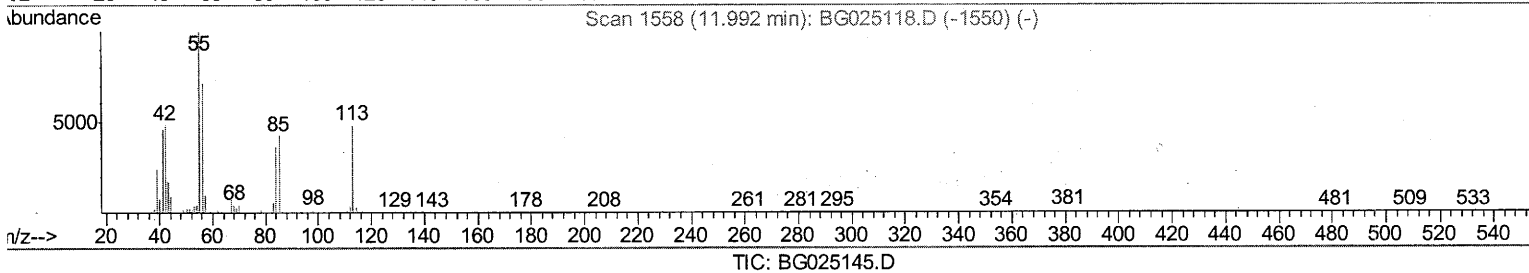
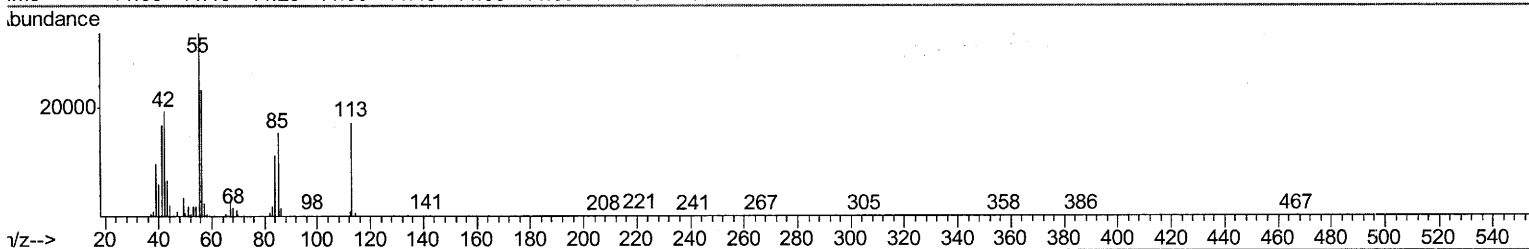
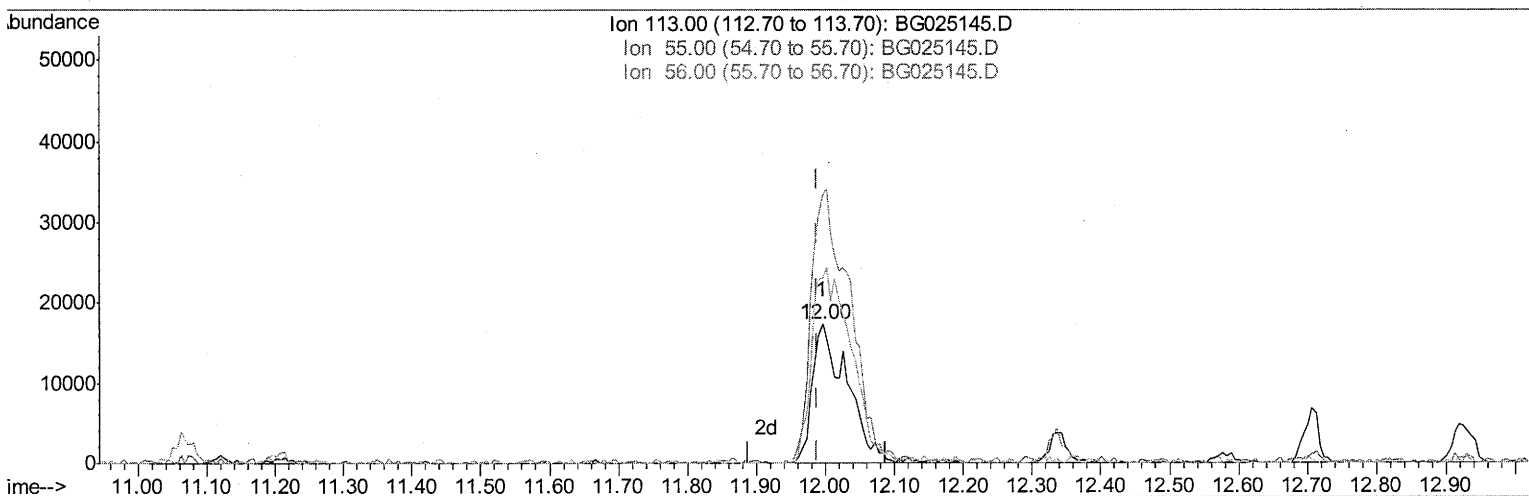
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Data File : BG025145.D
Acq On : 13 Dec 2016 13:06
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02002

Manual Integrations
APPROVED

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12/14/2016 6:16:02 PM

Quant Time: Dec 14 02:42:24 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 06:23:40 2016
Response via : Initial Calibration



(32) Caprolactam

11.996min (+0.007) 23.33ng/ul m

response 60436

Ion	Exp%	Act%
113.00	100	100
55.00	210.70	192.54
56.00	160.60	133.23
0.00	0.00	0.00

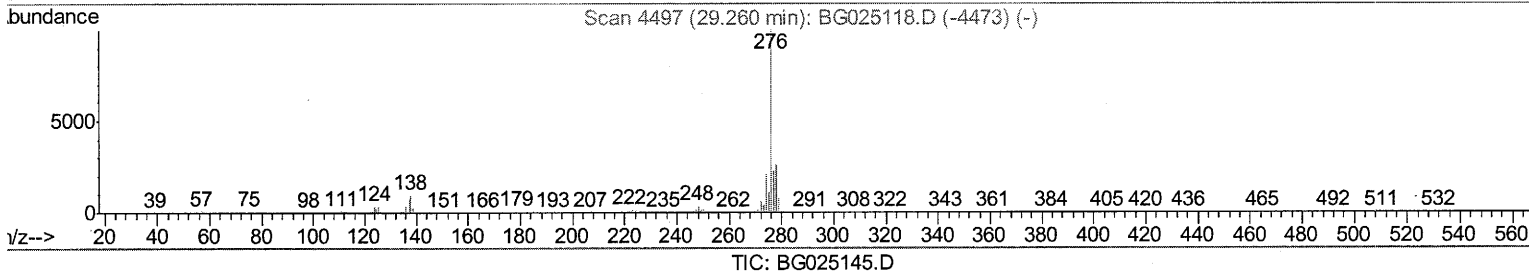
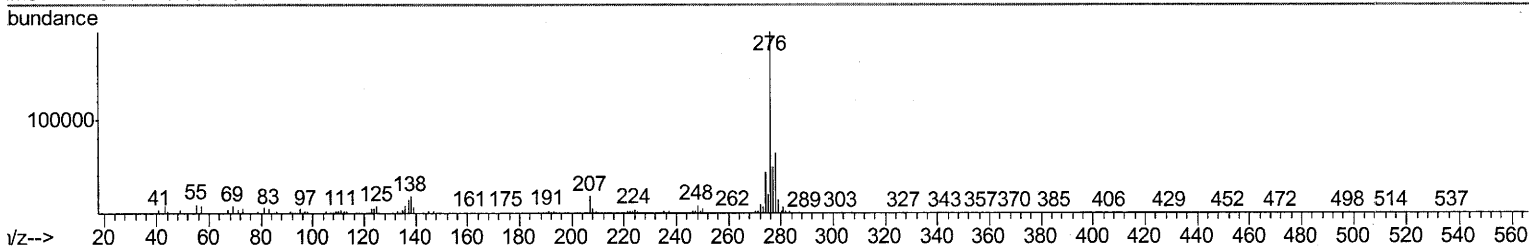
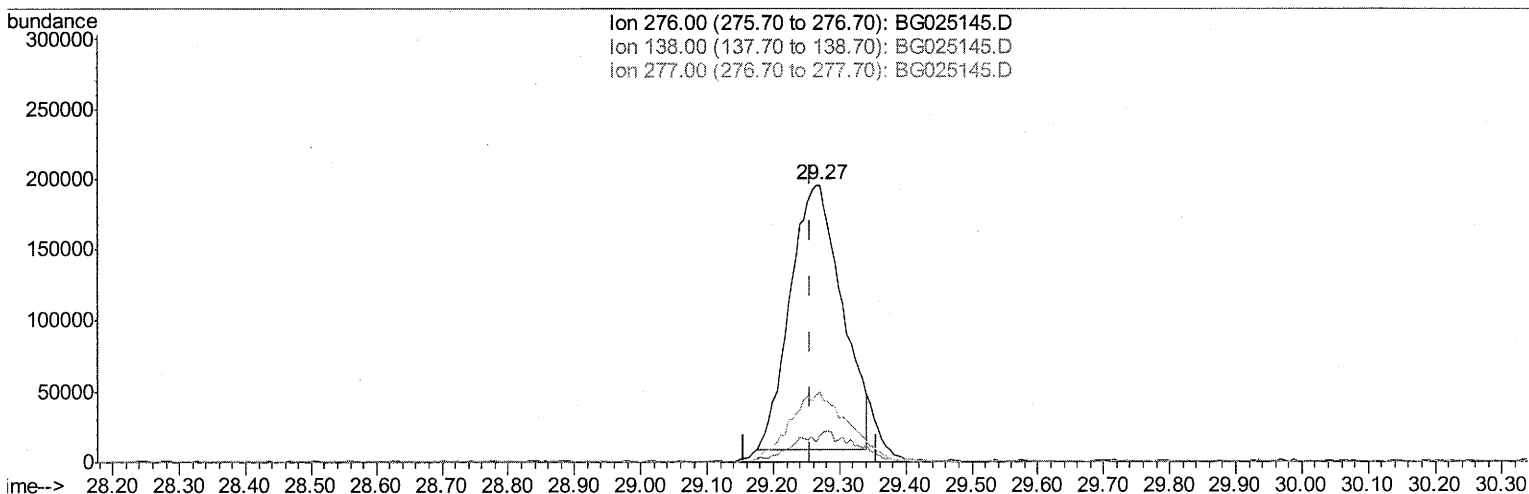
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Data File : BG025145.D
Acq On : 13 Dec 2016 13:06
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02002

Manual Integrations
APPROVED

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12/14/2016 6:16:02 PM

Quant Time: Dec 14 02:42:24 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 06:23:40 2016
Response via : Initial Calibration



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

29.270min (+0.013) 18.18ng/ul

response 1011408

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	9.38
277.00	23.30	25.30
0.00	0.00	0.00

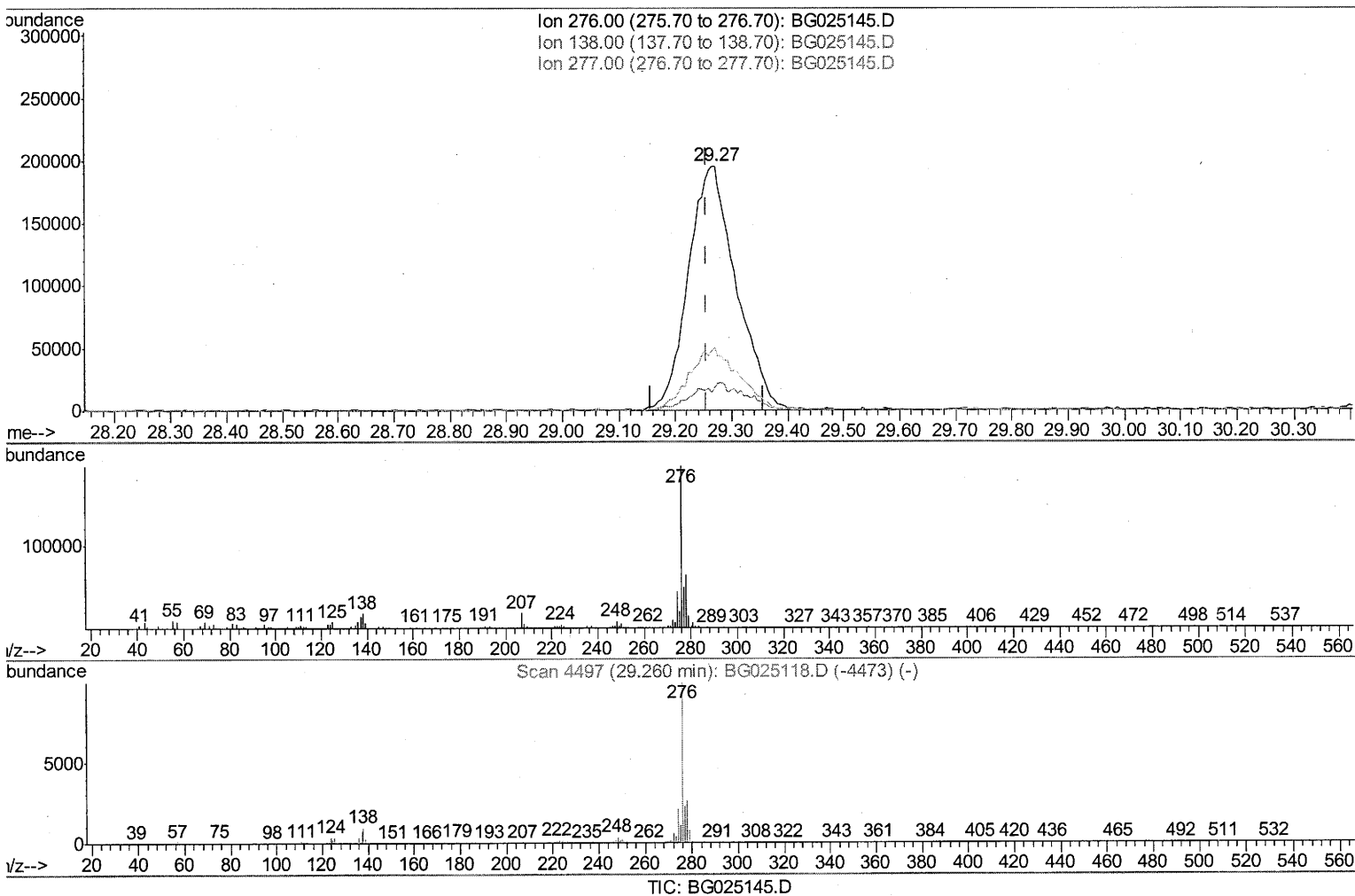
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121316\
Data File : BG025145.D
Acq On : 13 Dec 2016 13:06
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02002

Manual Integrations
APPROVED

sohil
12/14/2016 6:16:02 PM

Quant Time: Dec 14 02:42:24 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 06:23:40 2016
Response via : Initial Calibration



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

29.270min (+0.013) 20.83ng/ul m

response 1159156

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	9.38
277.00	23.30	25.30
0.00	0.00	0.00

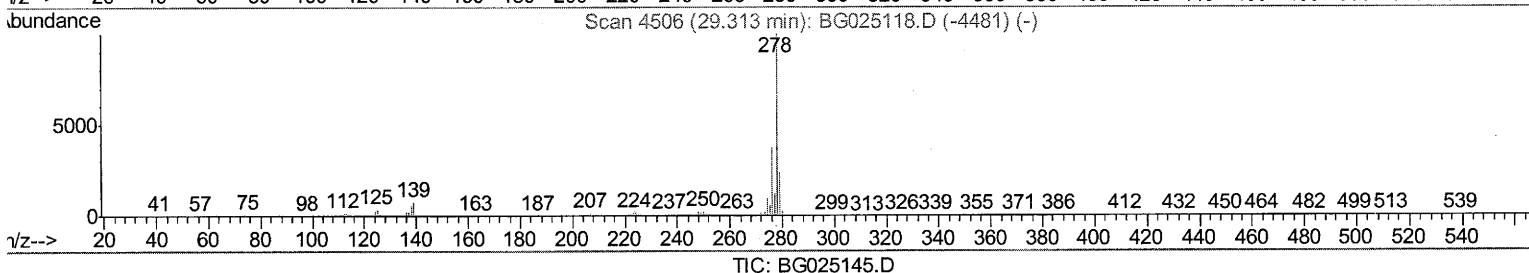
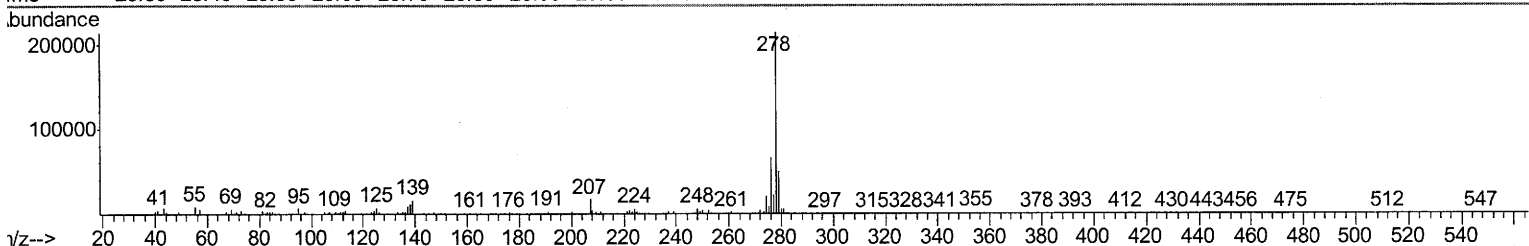
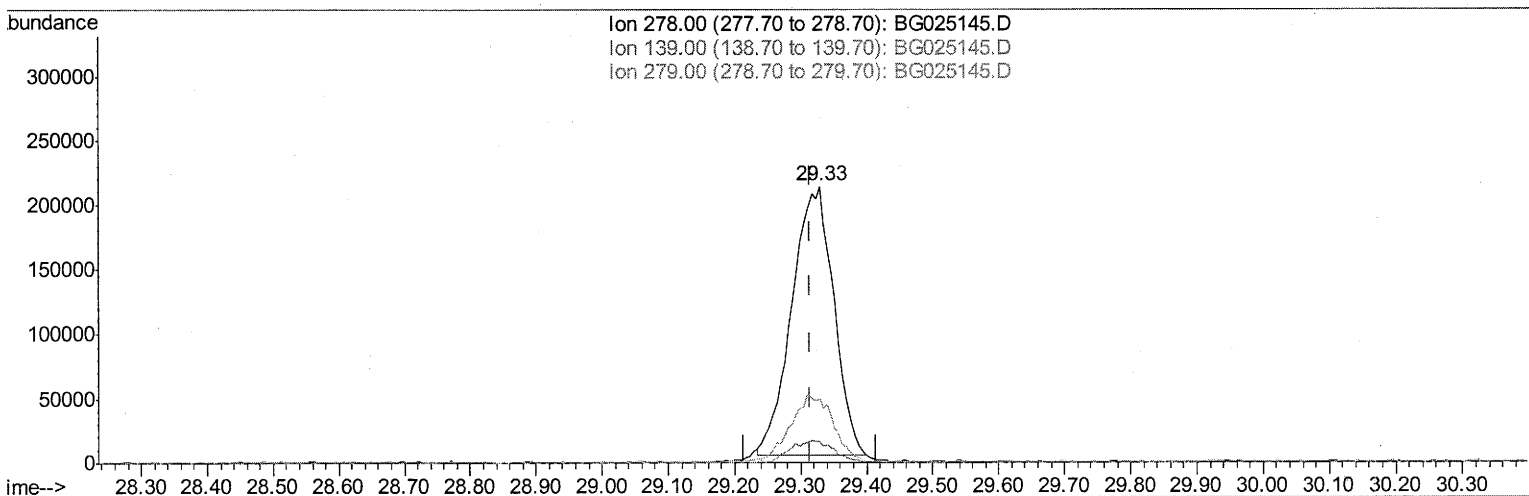
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121316\
Data File : BG025145.D
Acq On : 13 Dec 2016 13:06
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02002

Manual Integrations
APPROVED

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12/14/2016 6:16:02 PM

Quant Time: Dec 14 02:42:24 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 06:23:40 2016
Response via : Initial Calibration



TIC: BG025145.D

(90) Dibenzo(a,h)anthracene

29.328min (+0.013) 19.53ng/ul

response 915686

Ion	Exp%	Act%
278.00	100	100
139.00	8.40	7.75
279.00	26.10	23.06
0.00	0.00	0.00

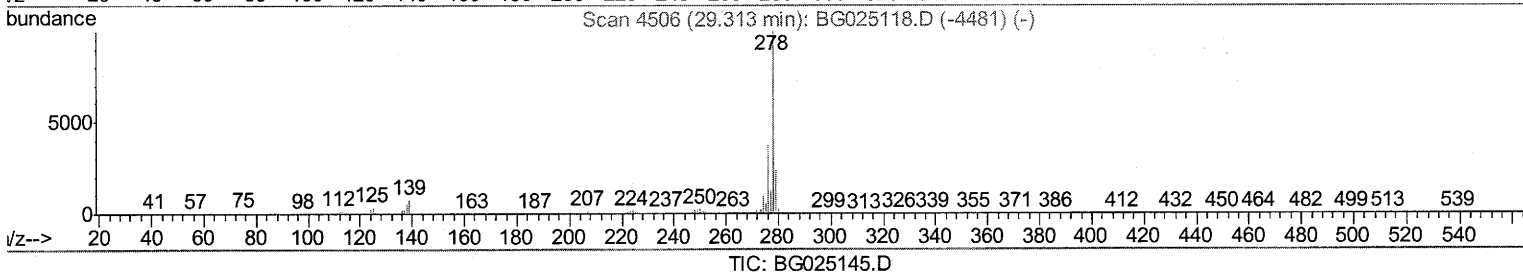
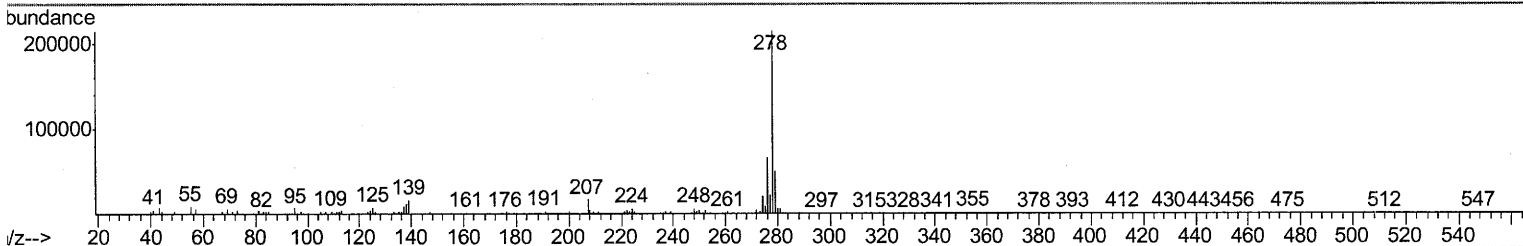
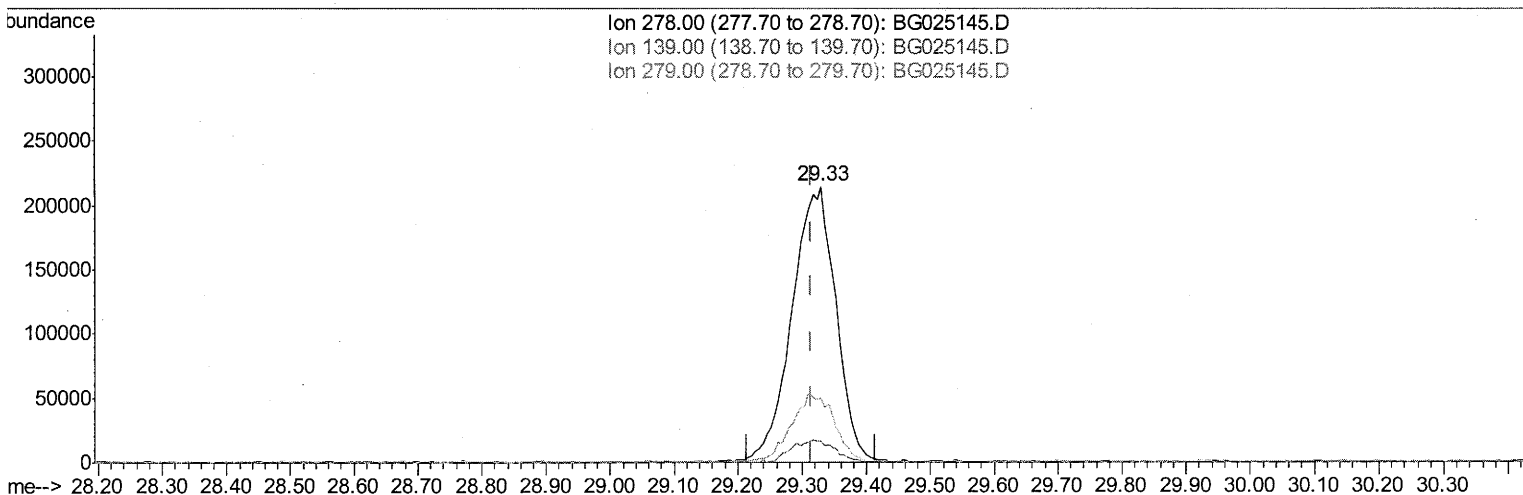
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Data File : BG025145.D
Acq On : 13 Dec 2016 13:06
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02002

Manual Integrations
APPROVED

sohil
12/14/2016 6:16:02 PM

Quant Time: Dec 14 02:42:24 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 06:23:40 2016
Response via : Initial Calibration



TIC: BG025145.D

(90) Dibenzo(a,h)anthracene

29.328min (+0.013) 21.11ng/ul m

response 989757

Ion	Exp%	Act%
278.00	100	100
139.00	8.40	7.75
279.00	26.10	23.06
0.00	0.00	0.00

UM
12/14/16

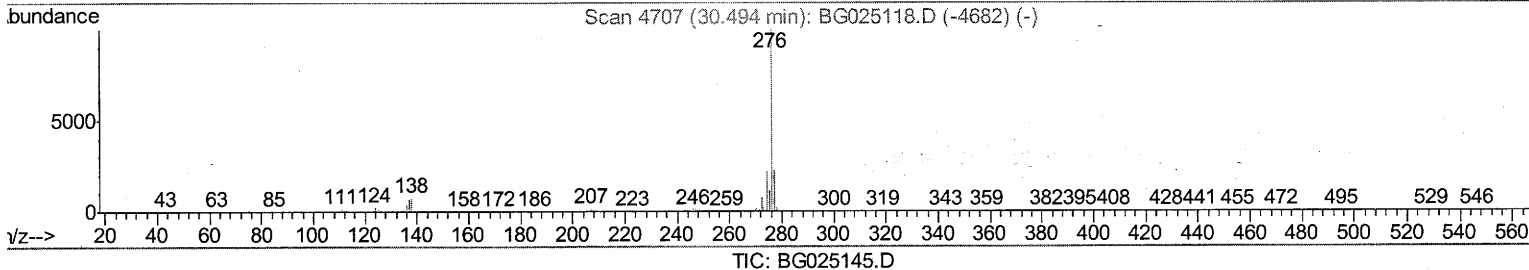
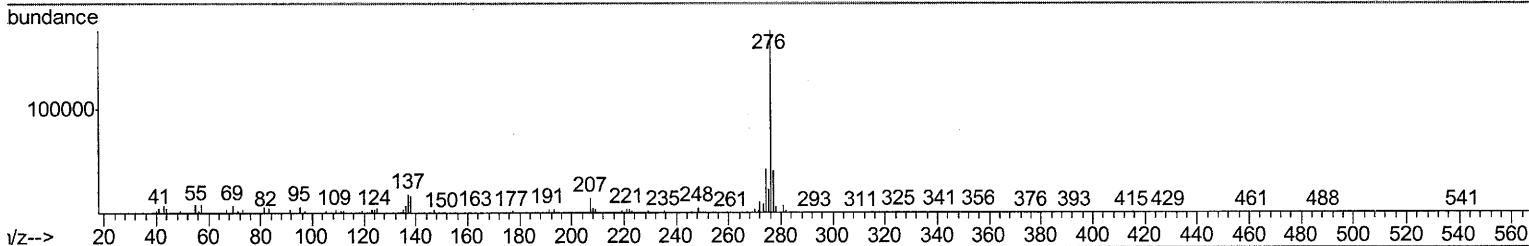
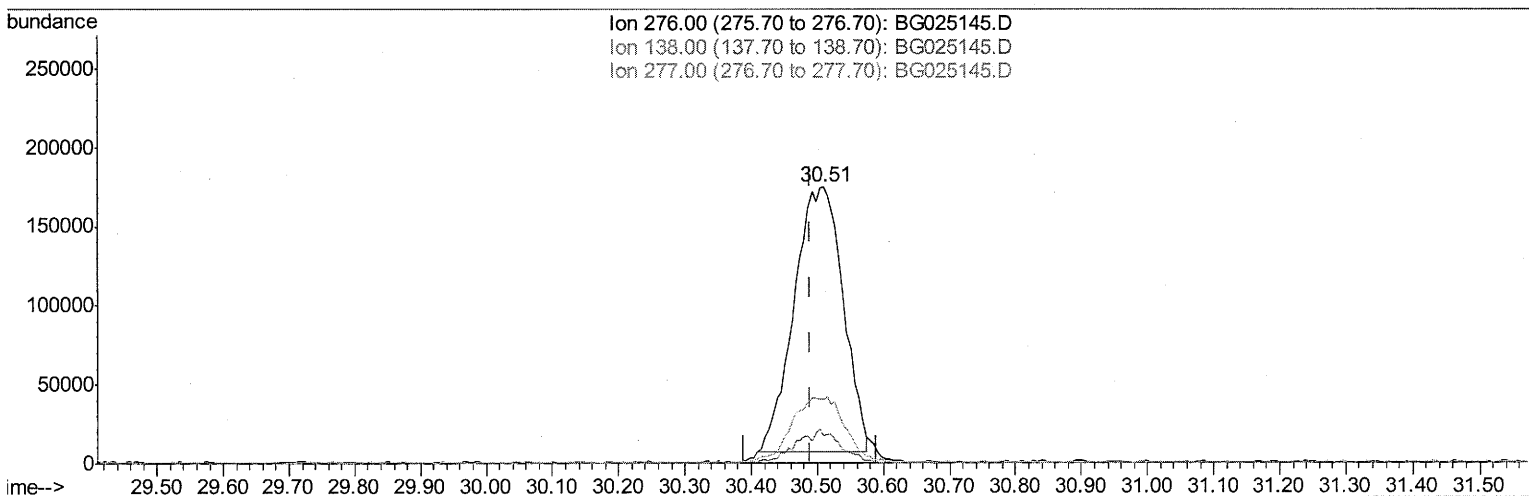
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121316\
 Data File : BG025145.D
 Acq On : 13 Dec 2016 13:06
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02002

Manual Integrations
 APPROVED

sohil
 12/14/2016 6:16:02 PM

Quant Time: Dec 14 02:42:24 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 13 06:23:40 2016
 Response via : Initial Calibration



TIC: BG025145.D

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

30.509min (+0.019) 18.48ng/ul

response 858207

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	9.96
277.00	22.00	23.30
0.00	0.00	0.00

Quantitation Report (Qedit)

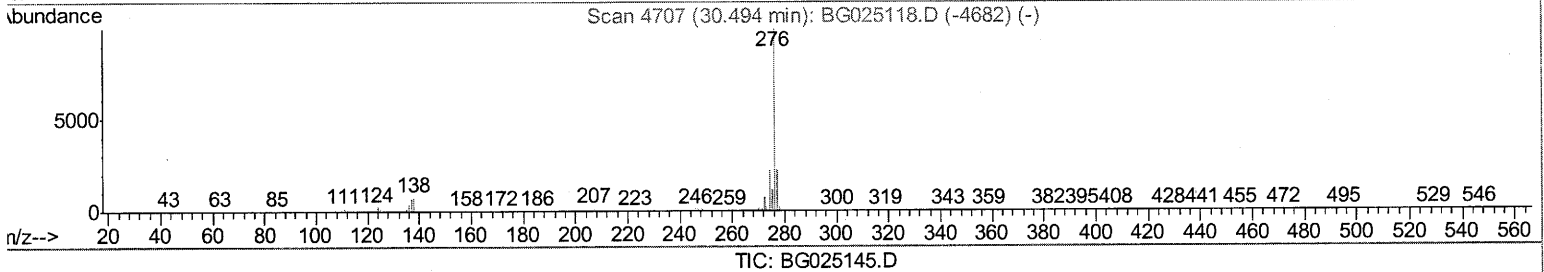
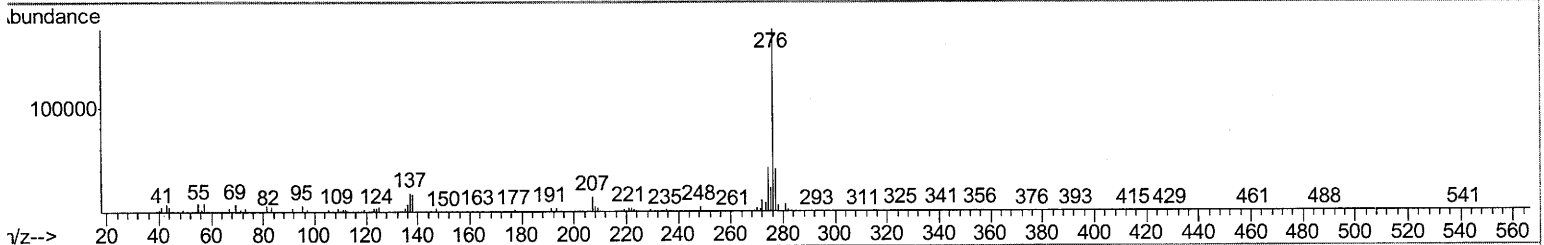
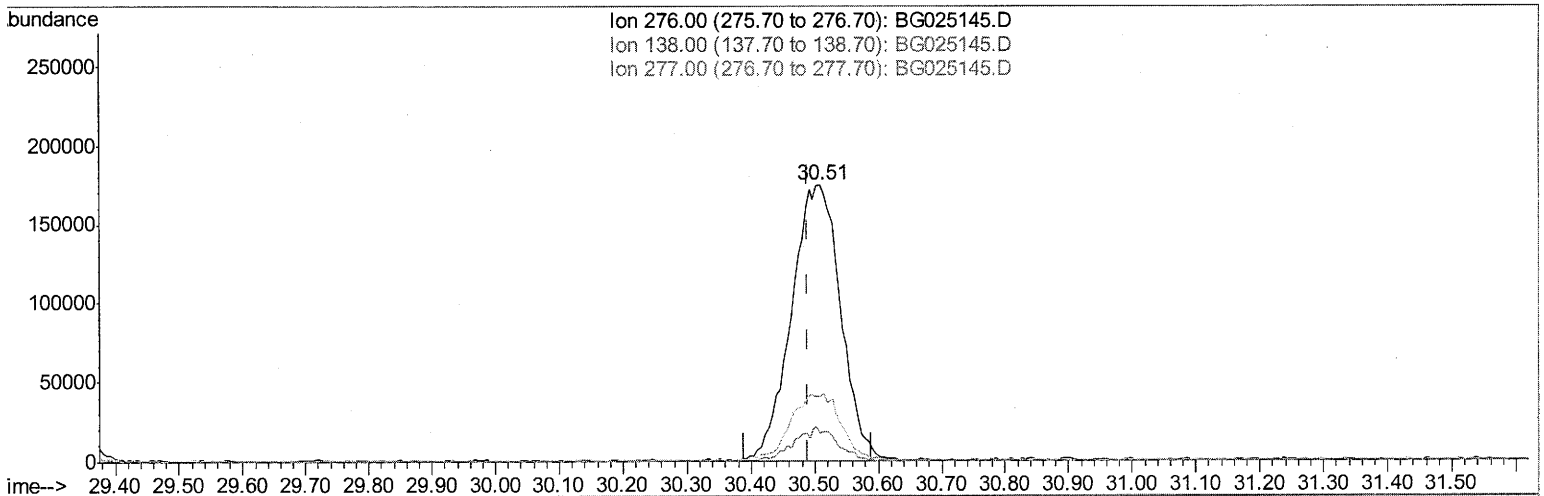
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121316\
 Data File : BG025145.D
 Acq On : 13 Dec 2016 13:06
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02002

Manual Integrations
 APPROVED

sohil
 12/14/2016 6:16:02 PM

Quant Time: Dec 14 02:42:24 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 13 06:23:40 2016
 Response via : Initial Calibration



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

30.509min (+0.019) 20.45ng/ul m

response 949678

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	9.96
277.00	22.00	23.30
0.00	0.00	0.00

UM
 12114116

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121316\
 Data File : BG025145.D
 Acq On : 13 Dec 2016 13:06
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02002

Manual Integrations
 APPROVED

sohil
 12/14/2016 6:16:02 PM

Quant Time: Dec 14 02:48:44 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 13 06:23:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	84784	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	378453	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	326110	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	775482	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	902977	20.00	ng/ul	0.00
83) Perylene-d12	25.33	264	938992	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	12510	7.62	ng/uL	-0.01
5) Phenol-d5	7.39	99	153352	20.97	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	95287	21.06	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	107283	20.97	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	129220	21.14	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	53783	20.07	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	66246	19.83	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	132065	20.55	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	152390	24.13	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	468401	20.88	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	510847	20.79	ng/ul	0.00
51) 4-Nitrophenol-d4	15.07	143	80887	20.98	ng/ul	0.01
57) Fluorene-d10	15.85	176	430710	20.40	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	102684	21.42	ng/ul	0.00
70) Anthracene-d10	17.71	188	671493	20.52	ng/ul	0.00
76) Pyrene-d10	19.98	212	777712	20.91	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.09	264	785538	20.65	ng/ul	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.62	88	14349	6.71 ng/uL#	90
4) Benzaldehyde	7.38	77	117669	21.37 ng/ul	96
6) Phenol	7.42	94	155920	20.77 ng/ul	95
8) Bis(2-Chloroethyl)ether	7.65	93	110905	20.19 ng/ul	96
10) 2-Chlorophenol	7.80	128	104512	20.32 ng/ul#	83
11) 2-Methylphenol	8.68	108	115271	20.85 ng/ul	99
12) 2,2'-oxybis(1-Chloropropan	8.76	45	219773	23.52 ng/ul	98
14) Acetophenone	9.07	105	192610	20.71 ng/ul#	94
15) N-Nitroso-di-n-propylamine	9.04	70	122317	22.77 ng/ul#	97
16) 4-Methylphenol	9.01	108	121499	19.76 ng/ul	99
17) Hexachloroethane	9.33	117	48522	21.30 ng/ul	89
20) Nitrobenzene	9.46	77	176880	21.48 ng/ul#	94
21) Isophorone	9.98	82	332861	21.36 ng/ul#	94
23) 2-Nitrophenol	10.18	139	67925	20.04 ng/ul	95
24) 2,4-Dimethylphenol	10.22	107	160866	20.76 ng/ul	96
25) Bis(2-Chloroethoxy)methane	10.45	93	168560	21.22 ng/ul	94
27) 2,4-Dichlorophenol	10.71	162	128019	20.52 ng/ul	95
28) Naphthalene	11.12	128	345991	19.67 ng/ul	97
30) 4-Chloroaniline	11.23	127	152806	23.67 ng/ul	88
31) Hexachlorobutadiene	11.38	225	106371	19.83 ng/ul#	89
32) Caprolactam	12.00	113	60436m	23.33 ng/ul	99
33) 4-Chloro-3-methylphenol	12.34	107	162668	21.15 ng/ul	99
34) 2-Methylnaphthalene	12.71	142	280490	20.20 ng/ul	94

07/12/14/16

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121316\
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Instrument :
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 LabSampleId :
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Manual Integrations
 APPROVED

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 12/14/2016 6:16:02 PM

Quant Time: Dec 14 02:48:44 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 13 06:23:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.07	216	192102	19.54	ng/ul	90
37) Hexachlorocyclopentadiene	13.03	237	128997	22.36	ng/ul	94
38) 2,4,6-Trichlorophenol	13.31	196	128201	20.76	ng/ul	89
39) 2,4,5-Trichlorophenol	13.38	196	138892	20.52	ng/ul	96
40) 1,1'-Biphenyl	13.70	154	403815	20.42	ng/ul	99
41) 2-Chloronaphthalene	13.75	162	310806	19.75	ng/ul	98
42) 2-Nitroaniline	13.96	65	138337	22.45	ng/ul	99
44) Dimethylphthalate	14.30	163	463593	21.03	ng/ul#	99
45) 2,6-Dinitrotoluene	14.44	165	100035	21.12	ng/ul	96
47) Acenaphthylene	14.59	152	492869	20.63	ng/ul	98
48) 3-Nitroaniline	14.77	138	95814	23.36	ng/ul#	85
49) Acenaphthene	14.93	153	346301	21.16	ng/ul	99
50) 2,4-Dinitrophenol	14.99	184	56275	18.28	ng/ul#	78
52) 4-Nitrophenol	15.08	109	99364	21.43	ng/ul	94
53) Dibenzofuran	15.26	168	531669	20.54	ng/ul	99
54) 2,4-Dinitrotoluene	15.23	165	152980	21.43	ng/ul#	97
55) 2,3,4,6-Tetrachlorophenol	15.49	232	147318	20.60	ng/ul#	94
56) Diethylphthalate	15.65	149	497892	21.33	ng/ul	95
58) Fluorene	15.91	166	438438	20.81	ng/ul	96
59) 4-Chlorophenyl-phenylether	15.89	204	239949	20.22	ng/ul	86
60) 4-Nitroaniline	15.93	138	107044	21.64	ng/ul	96
63) 4,6-Dinitro-2-methylphenol	15.99	198	103244	20.79	ng/ul#	99
64) N-Nitrosodiphenylamine	16.10	169	407141	20.41	ng/ul	98
65) 4-Bromophenyl-phenylether	16.78	248	182462	20.83	ng/ul	94
66) Hexachlorobenzene	16.91	284	203223	20.61	ng/ul	97
67) Atrazine	17.04	200	201779	21.28	ng/ul	95
68) Pentachlorophenol	17.26	266	110995	18.74	ng/ul	91
69) Phenanthrene	17.65	178	758017	20.48	ng/ul	97
71) Anthracene	17.74	178	789302	20.74	ng/ul	97
72) Carbazole	18.01	167	693132	21.83	ng/ul	96
73) Di-n-butylphthalate	18.53	149	844017	21.06	ng/ul	100
74) Fluoranthene	19.65	202	917138	20.85	ng/ul	98
77) Pyrene	20.00	202	913355	21.04	ng/ul	98
78) Butylbenzylphthalate	20.86	149	365571	21.51	ng/ul	99
79) 3,3'-Dichlorobenzidine	21.78	252	337258	21.42	ng/ul	93
80) Benzo(a)anthracene	21.88	228	962449	20.52	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.73	149	515573	22.04	ng/ul	99
82) Chrysene	21.95	228	914420	20.84	ng/ul	97
84) Di-n-octyl phthalate	22.99	149	876882	23.00	ng/ul	100
85) Benzo(b)fluoranthene	24.23	252	950345	20.41	ng/ul	100
86) Benzo(k)fluoranthene	24.29	252	919937	20.78	ng/ul	99
88) Benzo(a)pyrene	25.16	252	930386	20.78	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	29.27	276	1159156m	20.83	ng/ul	
90) Dibenzo(a,h)anthracene	29.33	278	989757m	21.11	ng/ul	
91) Benzo(g,h,i)perylene	30.51	276	949678m	20.45	ng/ul	

Sum
 12/14/16

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