

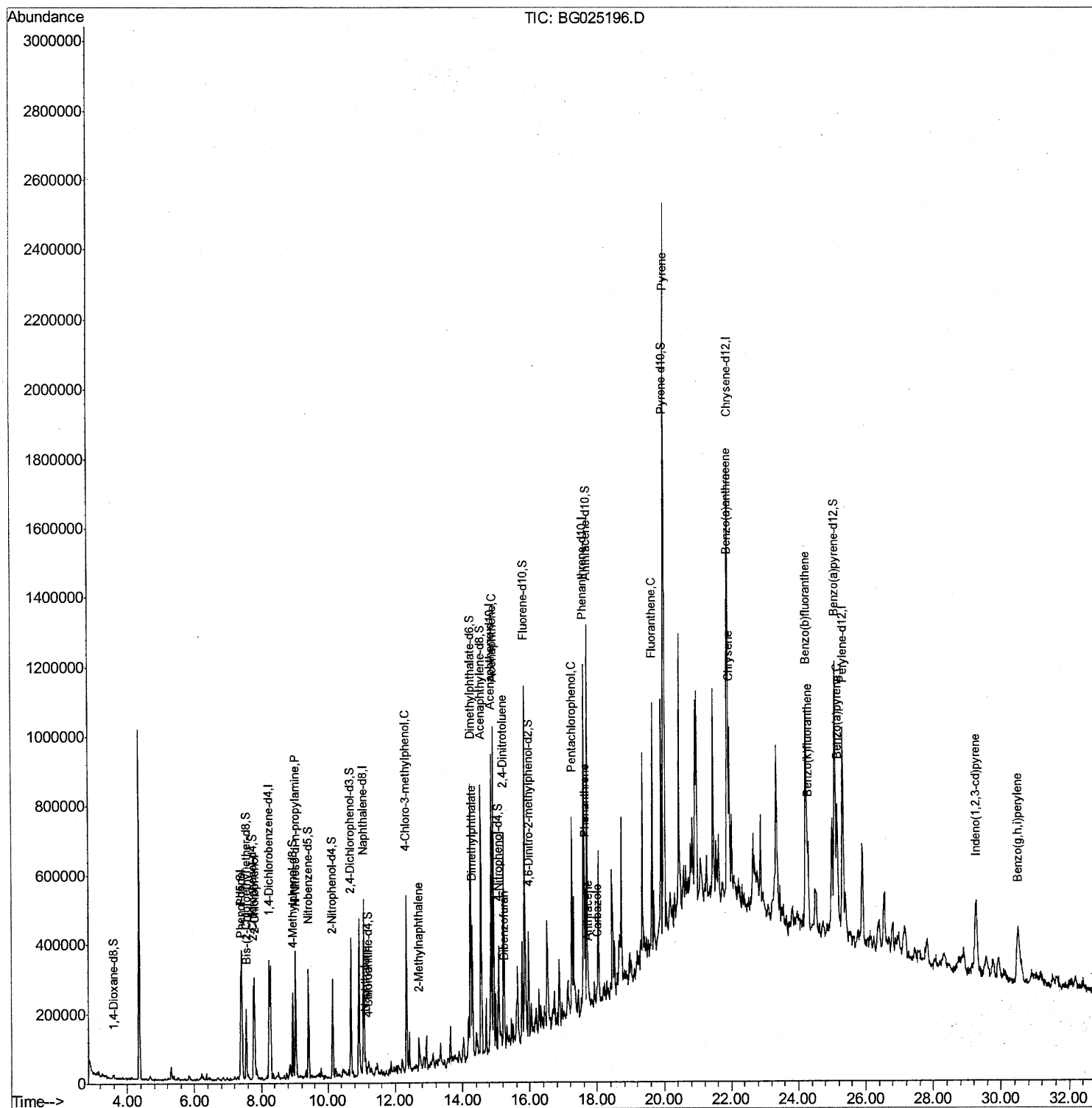
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121416\
Data File : BG025196.D
Acq On : 15 Dec 2016 4:10
Operator : UM/SJ
Sample : H5970-04MSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
Client Sampled :
DA843MSD

Manual Integrations
APPROVED

sohil
12/15/2016 5:44:48 PM

Quant Time: Dec 15 05:40:06 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 04:58:54 2016
Response via : Initial Calibration



Quantitation Report (Qedit)

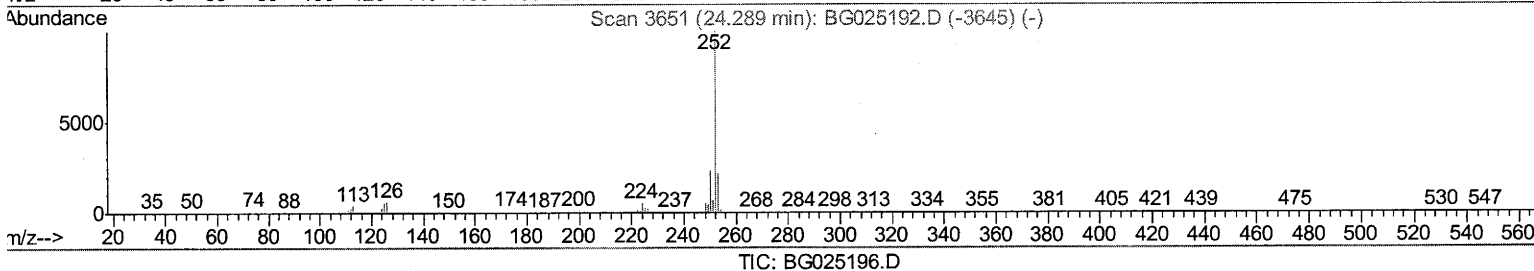
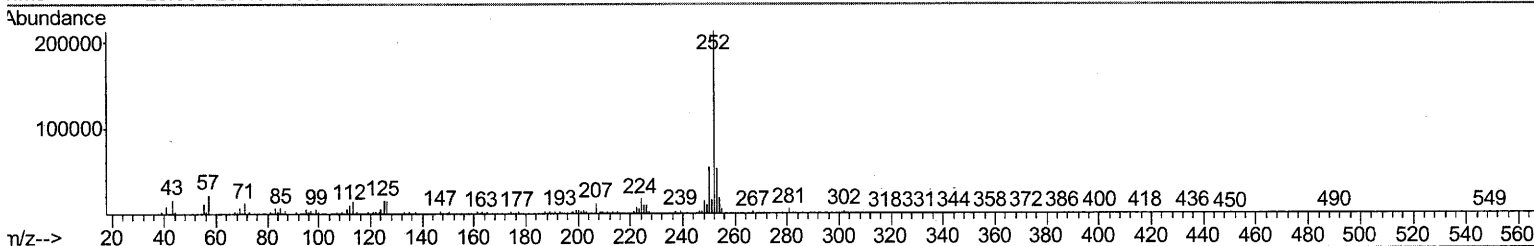
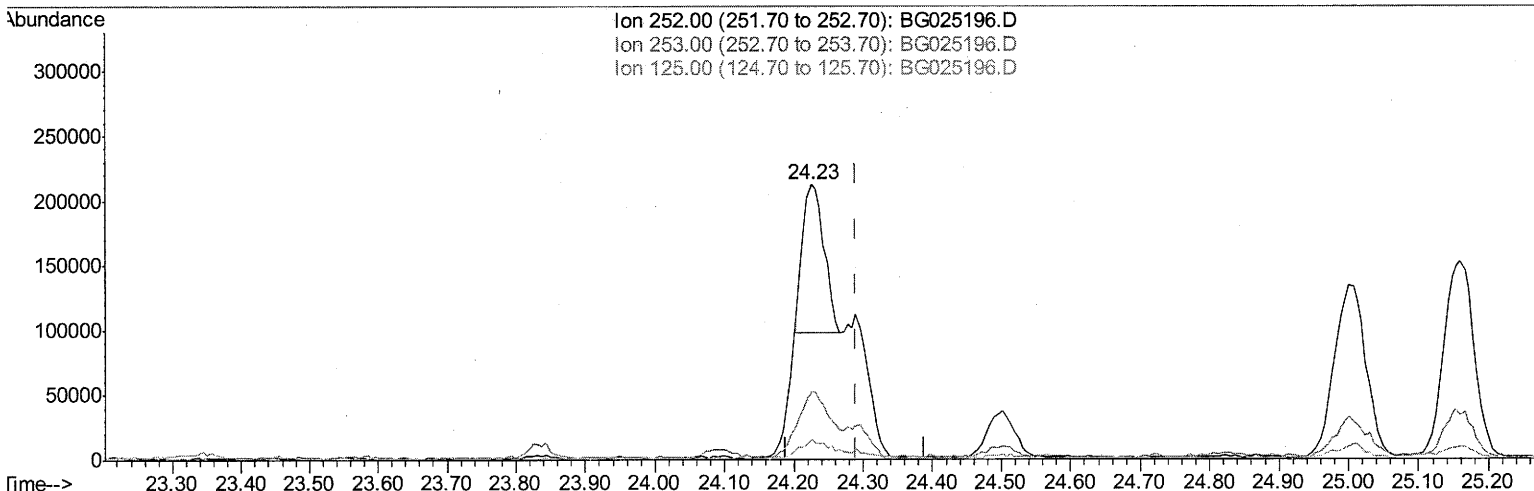
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121416\
 Data File : BG025196.D
 Acq On : 15 Dec 2016 4:10
 Operator : UM/SJ
 Sample : H5970-04MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA843MSD

Manual Integrations
 APPROVED

sohil
 12/15/2016 5:44:48 PM

Quant Time: Dec 15 05:02:29 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 15 04:58:54 2016
 Response via : Initial Calibration



(86) Benzo(k)fluoranthene

24.225min (-0.064) 6.84ng/ul

response 247617

Ion	Exp%	Act%
252.00	100	100
253.00	23.10	24.78
125.00	5.10	7.38#
0.00	0.00	0.00

Quantitation Report (Qedit)

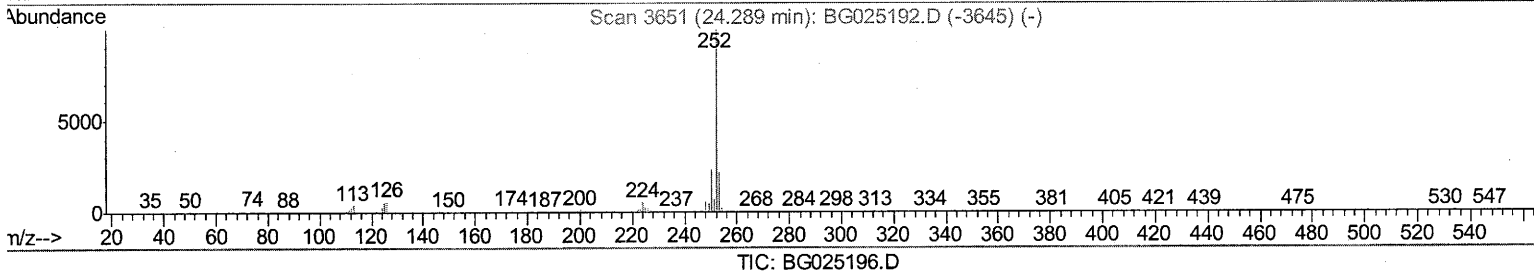
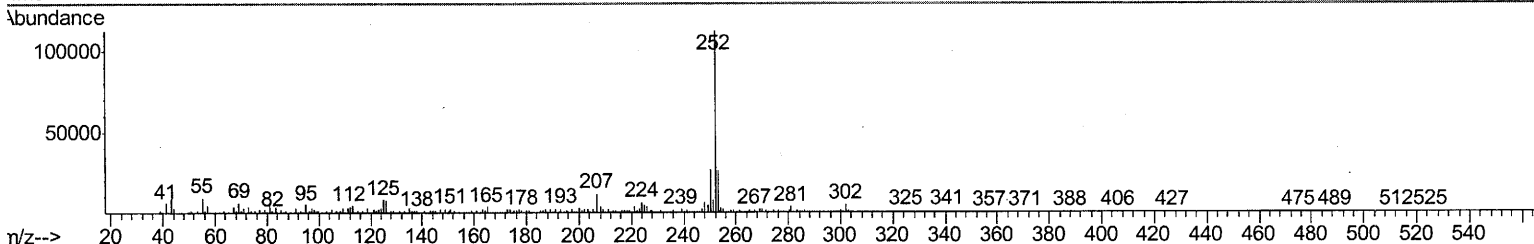
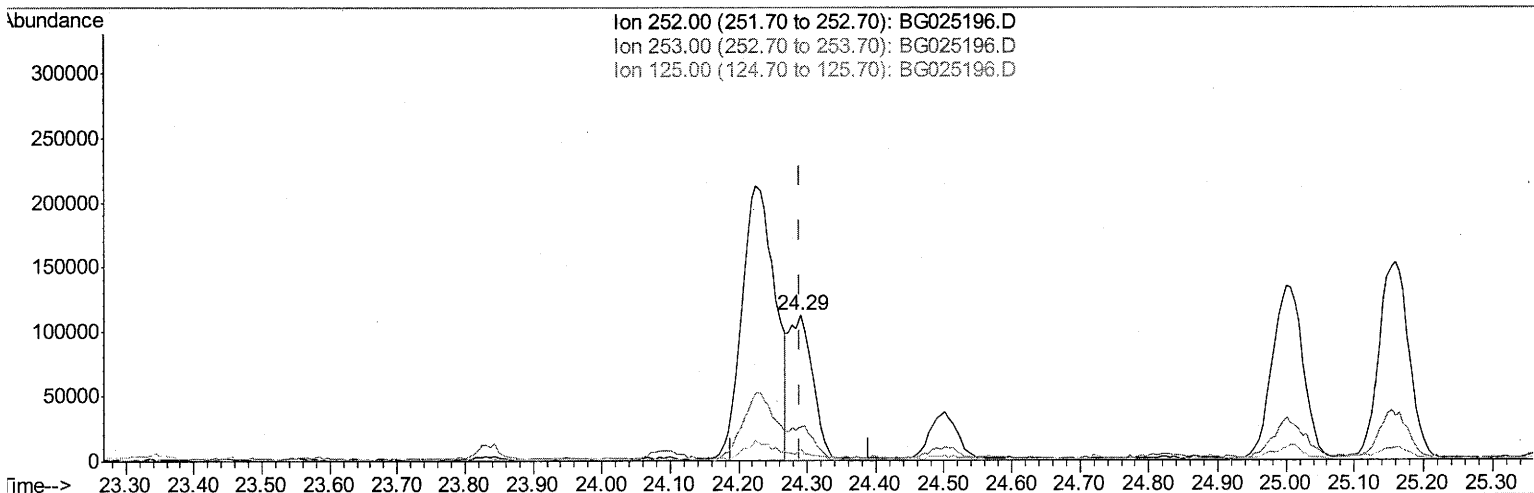
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121416\
 Data File : BG025196.D
 Acq On : 15 Dec 2016 4:10
 Operator : UM/SJ
 Sample : H5970-04MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 DA843MSD

Manual Integrations
 APPROVED

sohil
 12/15/2016 5:44:48 PM

Quant Time: Dec 15 05:02:29 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 15 04:58:54 2016
 Response via : Initial Calibration



(86) Benzo(k)fluoranthene

24.290min (+0.001) 7.58ng/ul m

response 274050

Ion	Exp%	Act%
252.00	100	100
253.00	23.10	23.58
125.00	5.10	7.44#
0.00	0.00	0.00

Quantitation Report (Qedit)

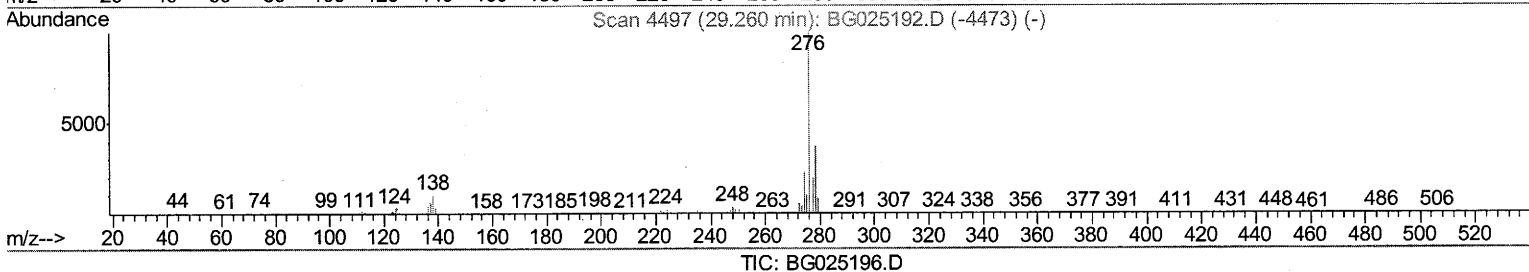
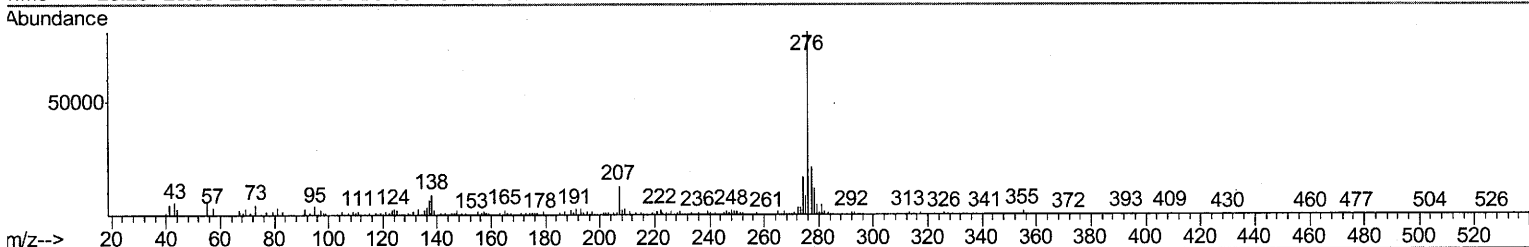
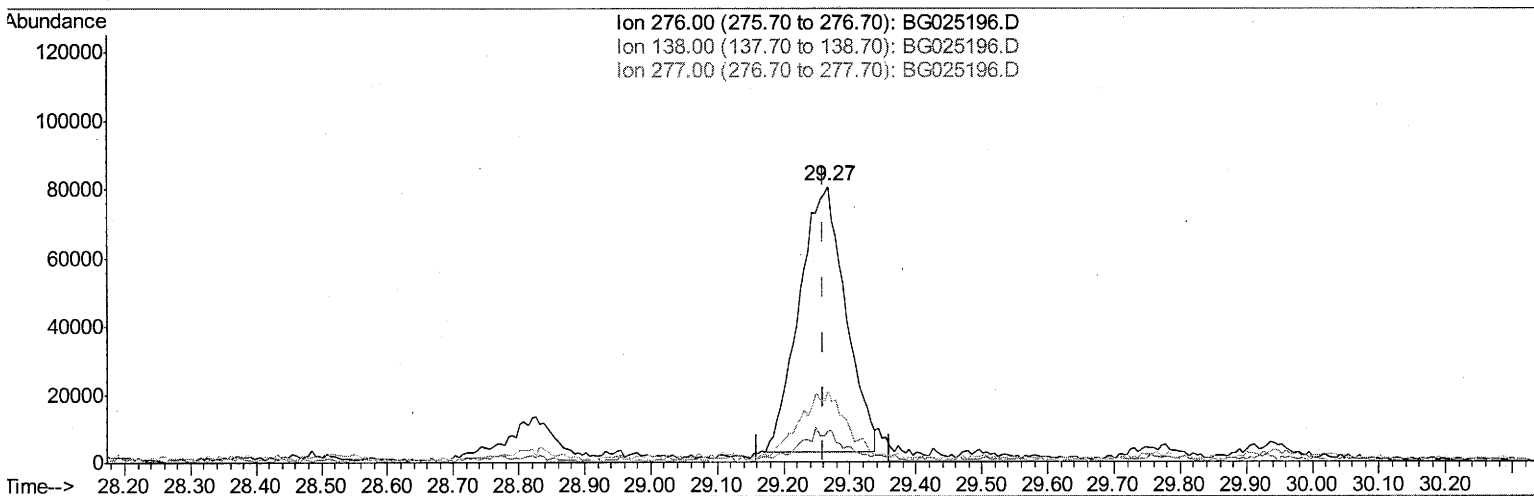
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121416\
Data File : BG025196.D
Acq On : 15 Dec 2016 4:10
Operator : UM/SJ
Sample : H5970-04MSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
DA843MSD

Manual Integrations
APPROVED

sohil
12/15/2016 5:44:48 PM

Quant Time: Dec 15 05:02:29 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 04:58:54 2016
Response via : Initial Calibration



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

29.266min (+0.006) 8.30ng/ul

response 377403

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	11.49
277.00	23.30	26.04
0.00	0.00	0.00

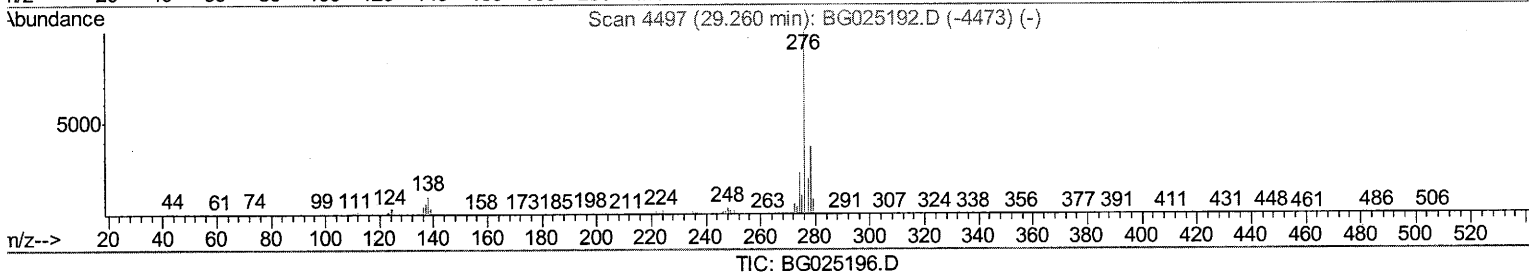
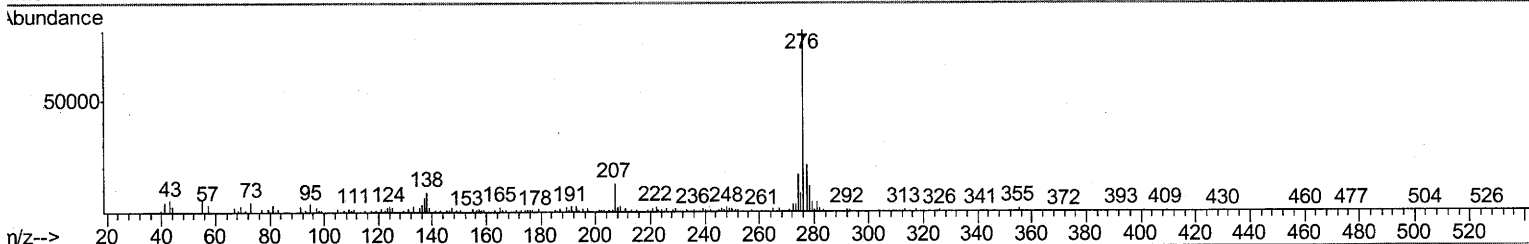
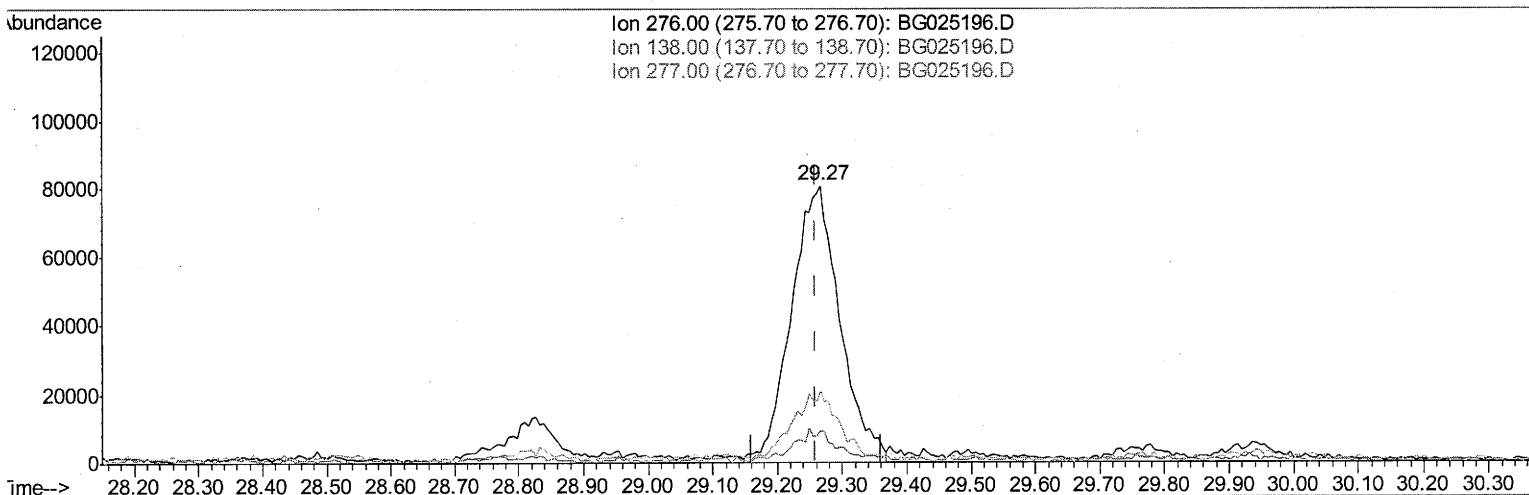
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121416\
Data File : BG025196.D
Acq On : 15 Dec 2016 4:10
Operator : UM/SJ
Sample : H5970-04MSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
DA843MSD

Manual Integrations
APPROVED

sohil
12/15/2016 5:44:48 PM

Quant Time: Dec 15 05:02:29 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 04:58:54 2016
Response via : Initial Calibration



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

29.266min (+0.006) 9.31ng/ul m

response 423246

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	11.49
277.00	23.30	26.04
0.00	0.00	0.00

um
12/15/16

Quantitation Report (Qedit)

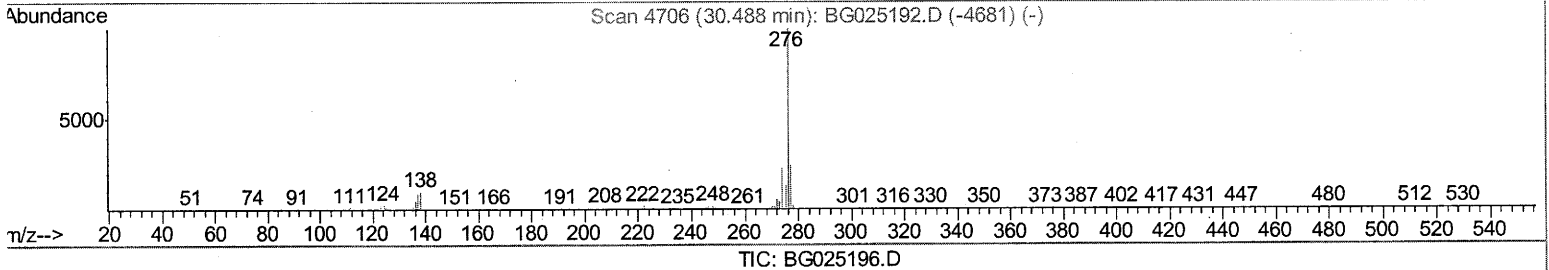
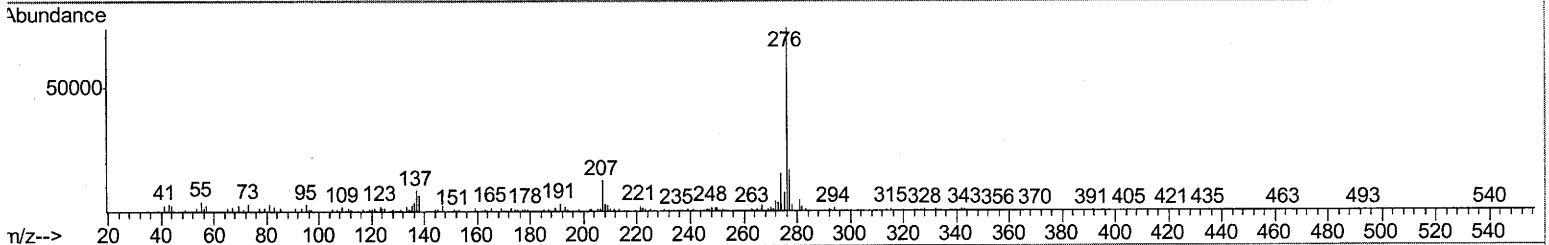
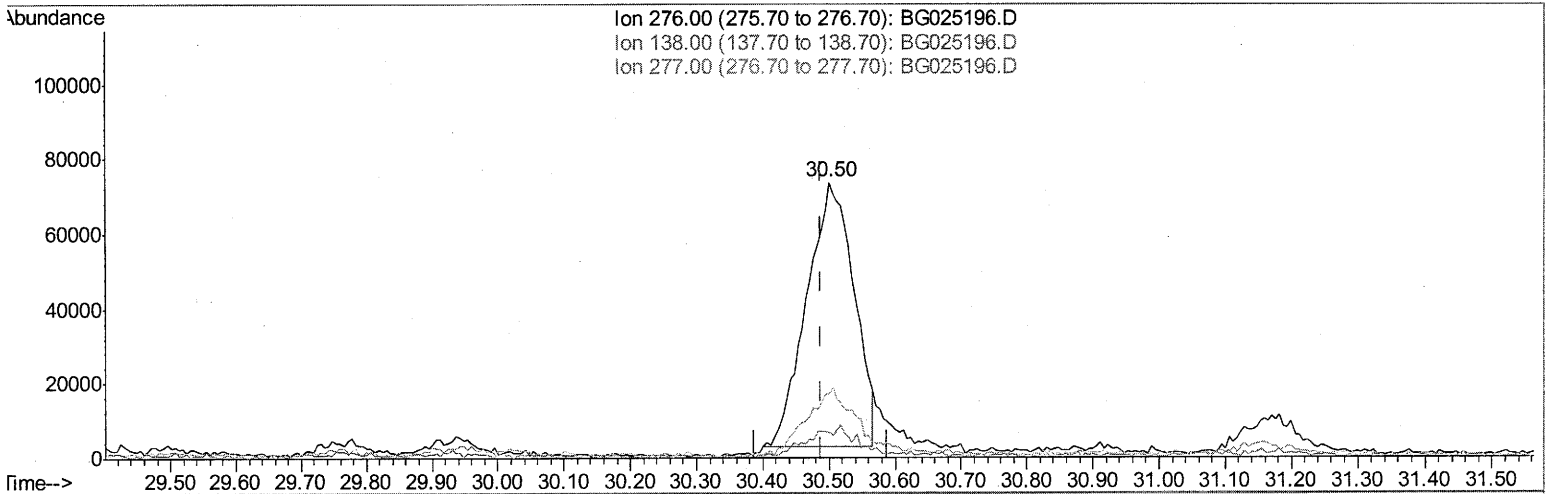
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121416\
 Data File : BG025196.D
 Acq On : 15 Dec 2016 4:10
 Operator : UM/SJ
 Sample : H5970-04MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA843MSD

Manual Integrations
 APPROVED

sohil
 12/15/2016 5:44:48 PM

Quant Time: Dec 15 05:02:29 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 15 04:58:54 2016
 Response via : Initial Calibration



(91) Benzo(g,h,i)perylene
 30.500min (+0.012) 9.24ng/ul
 response 350788

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	8.91
277.00	22.00	23.08
0.00	0.00	0.00

Quantitation Report (Qedit)

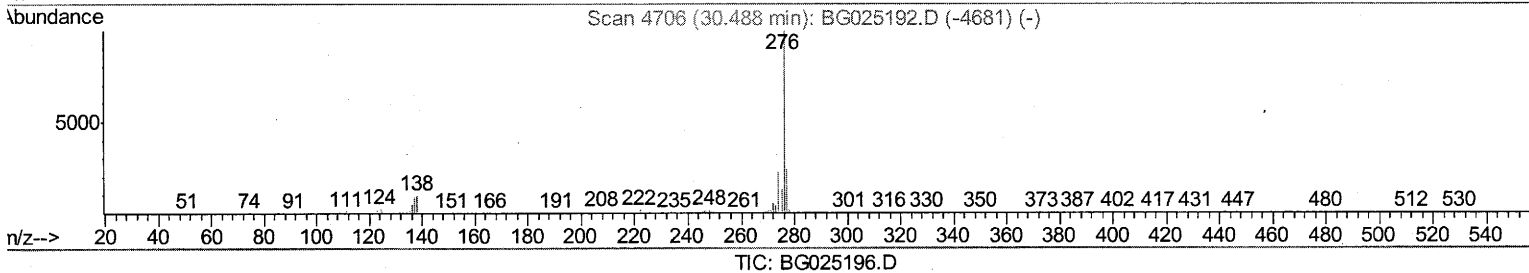
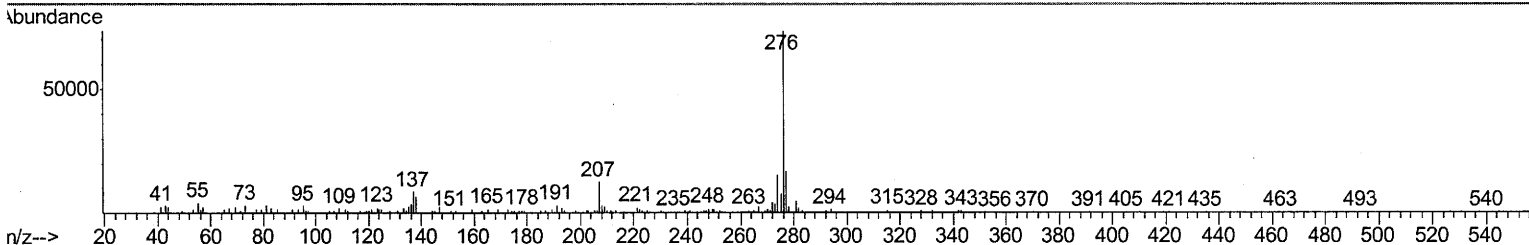
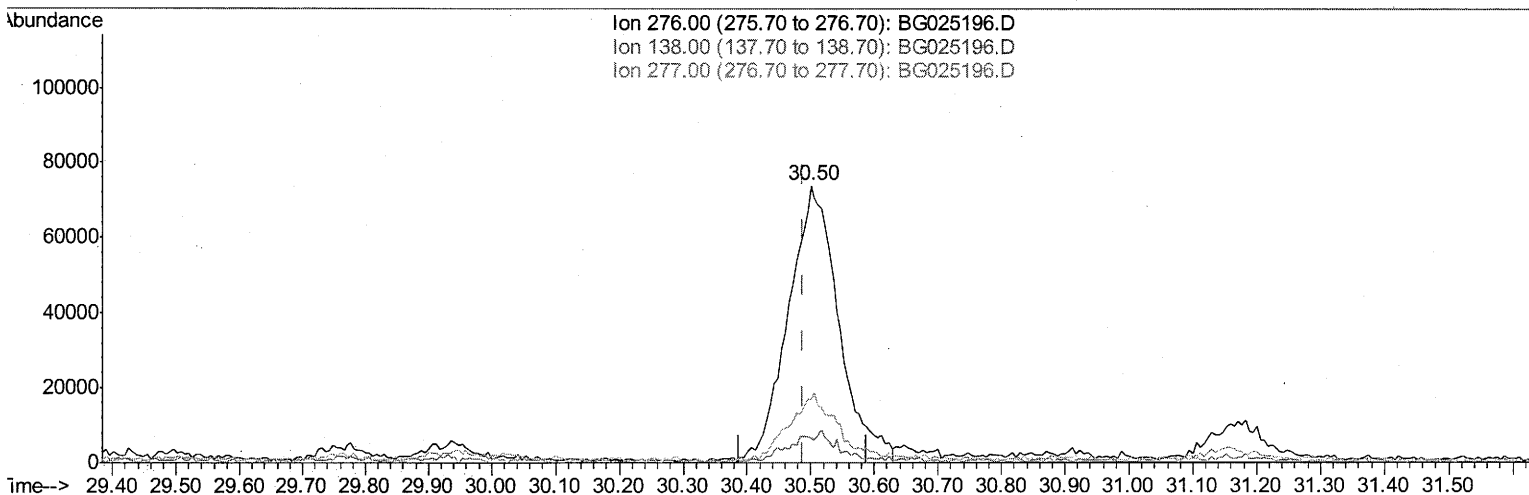
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121416\
 Data File : BG025196.D
 Acq On : 15 Dec 2016 4:10
 Operator : UM/SJ
 Sample : H5970-04MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA843MSD

Manual Integrations
 APPROVED

sohil
 12/15/2016 5:44:48 PM

Quant Time: Dec 15 05:02:29 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 15 04:58:54 2016
 Response via : Initial Calibration



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

30.500min (+0.012) 10.90ng/ul m

response 413584

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	8.91
277.00	22.00	23.08
0.00	0.00	0.00

um
 1215710

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121416\
 Data File : BG025196.D
 Acq On : 15 Dec 2016 4:10
 Operator : UM/SJ
 Sample : H5970-04MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA843MSD

Manual Integrations
 APPROVED

sohil
 12/15/2016 5:44:48 PM

Quant Time: Dec 15 05:40:06 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 15 04:58:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	89562	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	393525	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	315881	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	613700	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	742993	20.00	ng/ul	0.00
83) Perylene-d12	25.32	264	767510	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.58	96	5296	3.05	ng/uL	0.00
5) Phenol-d5	7.39	99	138114	17.87	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	104432	21.85	ng/ul	0.00
9) 2-Chlorophenol-d4	7.76	132	106284	19.67	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	98299	15.22	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	60366	21.66	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	74857	21.55	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	141055	21.11	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	17312	2.64	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	489686	22.54	ng/ul	0.00
46) Acenaphthylene-d8	14.55	160	574215	24.13	ng/ul	0.00
51) 4-Nitrophenol-d4	15.07	143	33074	8.86	ng/ul	0.01
57) Fluorene-d10	15.85	176	441135	21.57	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	67613	17.82	ng/ul	0.00
70) Anthracene-d10	17.70	188	642392	24.80	ng/ul	0.00
76) Pyrene-d10	19.98	212	752905	24.60	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.08	264	770669	24.78	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	7.42	94	185126	23.34 ng/ul	96
10) 2-Chlorophenol	7.80	128	111436	20.51 ng/ul	95
15) N-Nitroso-di-n-propylamine	9.04	70	128356	22.62 ng/ul#	92
28) Naphthalene	11.12	128	41109	2.25 ng/ul#	95
33) 4-Chloro-3-methylphenol	12.33	107	177841	22.24 ng/ul	94
34) 2-Methylnaphthalene	12.70	142	44474	3.08 ng/ul	94
44) Dimethylphthalate	14.30	163	195943	9.18 ng/ul#	94
49) Acenaphthene	14.92	153	388113	24.49 ng/ul	97
52) 4-Nitrophenol	15.08	109	54927	12.23 ng/ul	90
53) Dibenzofuran	15.25	168	38446	1.53 ng/ul	99
54) 2,4-Dinitrotoluene	15.22	165	154004	22.27 ng/ul	93
68) Pentachlorophenol	17.25	266	99480	21.23 ng/ul	94
69) Phenanthrene	17.64	178	244201	8.34 ng/ul	98
71) Anthracene	17.74	178	47098	1.56 ng/ul#	93
72) Carbazole	18.01	167	25634	1.02 ng/ul#	76
74) Fluoranthene	19.64	202	473197	13.60 ng/ul	98
77) Pyrene	20.01	202	1323118	37.04 ng/ul	99
80) Benzo(a)anthracene	21.88	228	352801	9.14 ng/ul	98
82) Chrysene	21.95	228	430459	11.92 ng/ul	99
85) Benzo(b)fluoranthene	24.23	252	711929	18.71 ng/ul#	94
86) Benzo(k)fluoranthene	24.29	252	274050m	7.58 ng/ul	
88) Benzo(a)pyrene	25.16	252	453596	12.40 ng/ul	100
89) Indeno(1,2,3-cd)pyrene	29.27	276	423246m	9.31 ng/ul	

3 cm
 12/15/16

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121416\
Data File : BG025196.D
Acq On : 15 Dec 2016 4:10
Operator : UM/SJ
Sample : H5970-04MSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DA843MSD

Manual Integrations
APPROVED

sohil
12/15/2016 5:44:48 PM

Quant Time: Dec 15 05:40:06 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 15 04:58:54 2016
Response via : Initial Calibration

Internal Standards	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)
91) Benzo(g,h,i)perylene	30.50	276		413584m	10.90	ng/ul	um 12/15/16

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