

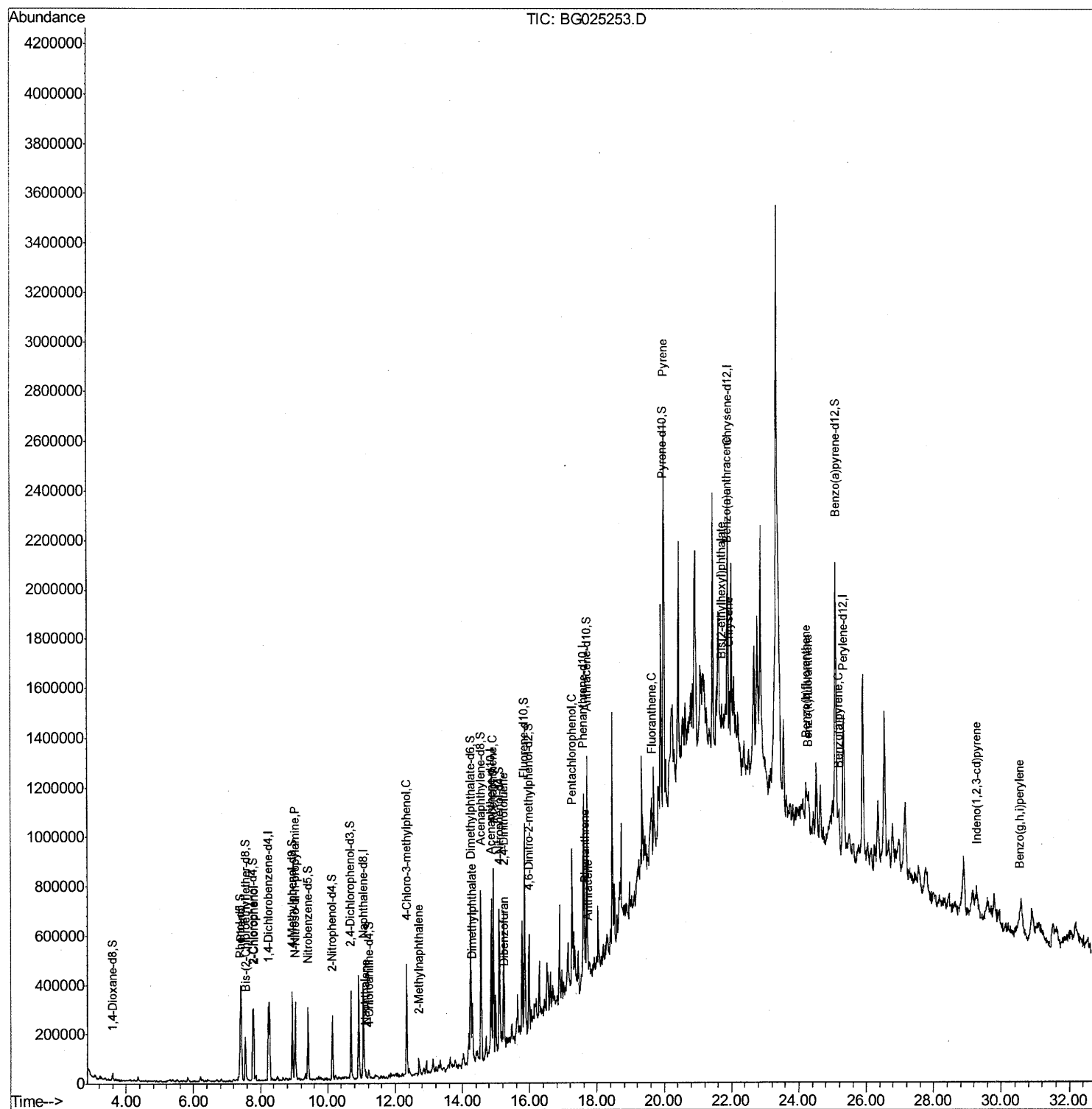
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121616\
Data File : BG025253.D
Acq On : 17 Dec 2016 00:32
Operator : UM/SJ
Sample : H6040-08MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
Client Sampled :
DA8W1MSD

Manual Integrations
APPROVED

umangi
12/20/2016 10:48:40 AM

Quant Time: Dec 17 01:35:43 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 17 00:22:48 2016
Response via : Initial Calibration



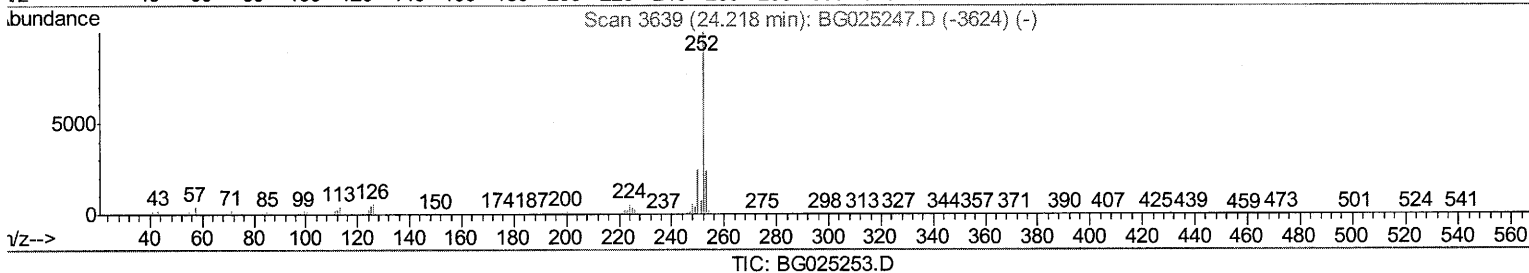
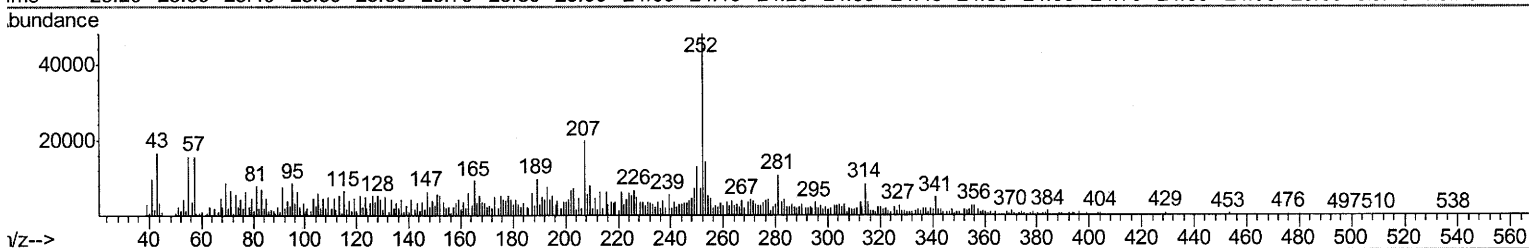
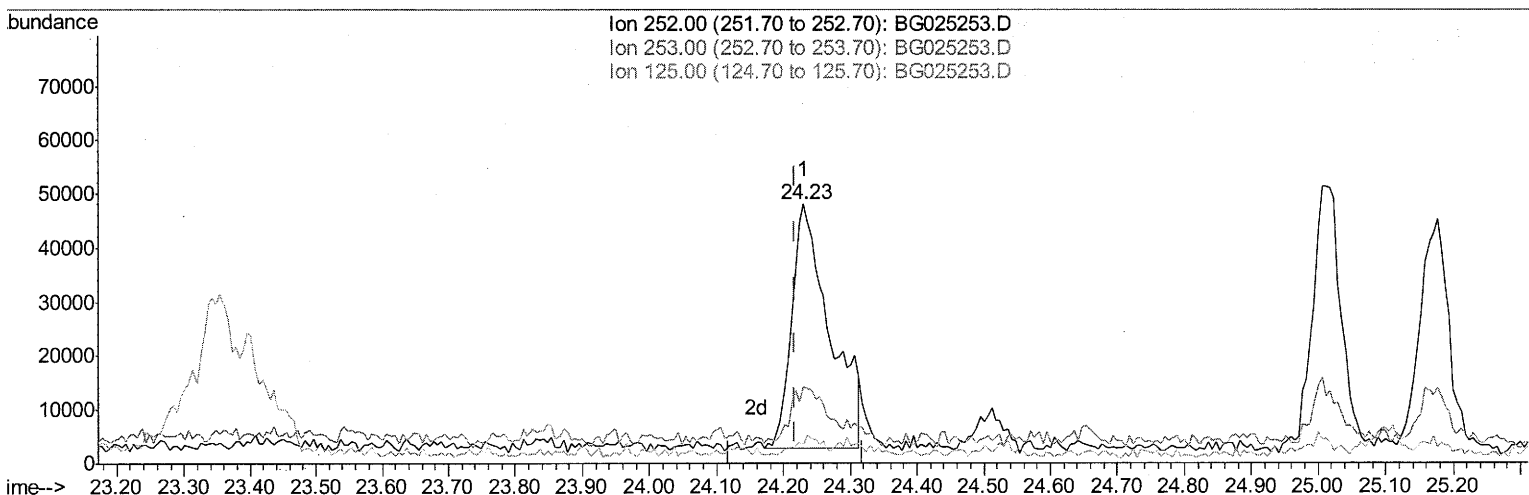
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121616\
Data File : BG025253.D
Acq On : 17 Dec 2016 00:32
Operator : UM/SJ
Sample : H6040-08MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DA8W1MSD

Manual Integrations
APPROVED

umangi
12/20/2016 10:48:40 AM

Quant Time: Dec 17 01:14:57 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 17 00:22:48 2016
Response via : Initial Calibration



(85) Benzo(b)fluoranthene

24.230min (+0.012) 5.57ng/ul

response 178599

Ion	Exp%	Act%
252.00	100	100
253.00	22.10	29.76#
125.00	5.00	7.34#
0.00	0.00	0.00

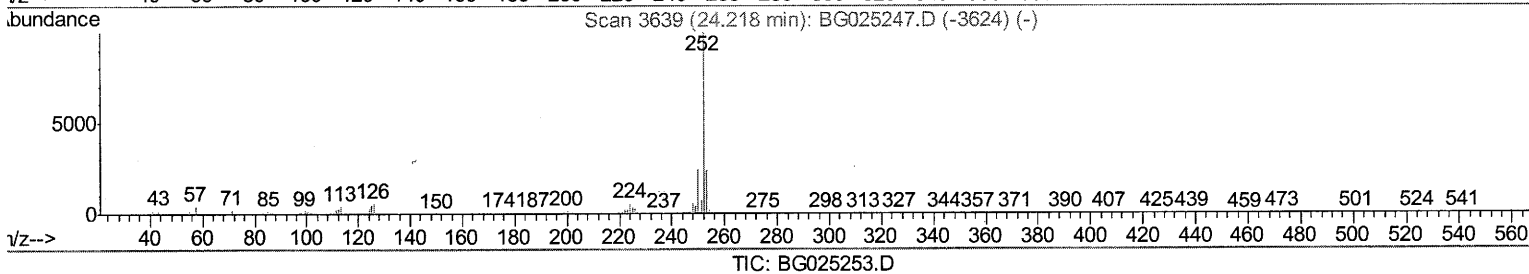
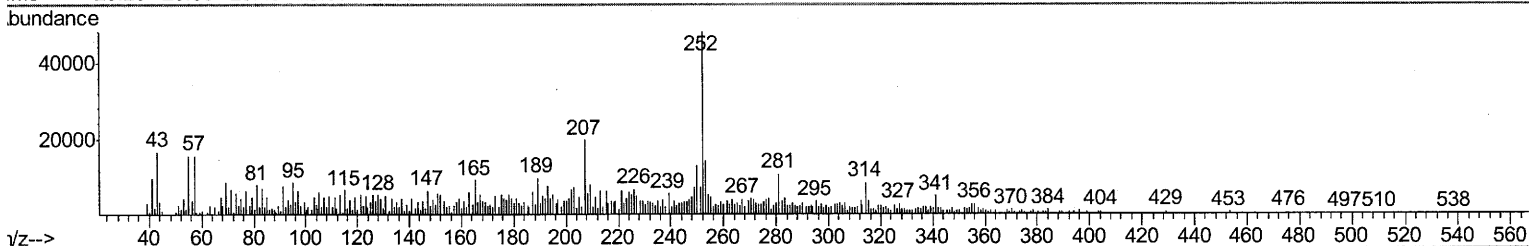
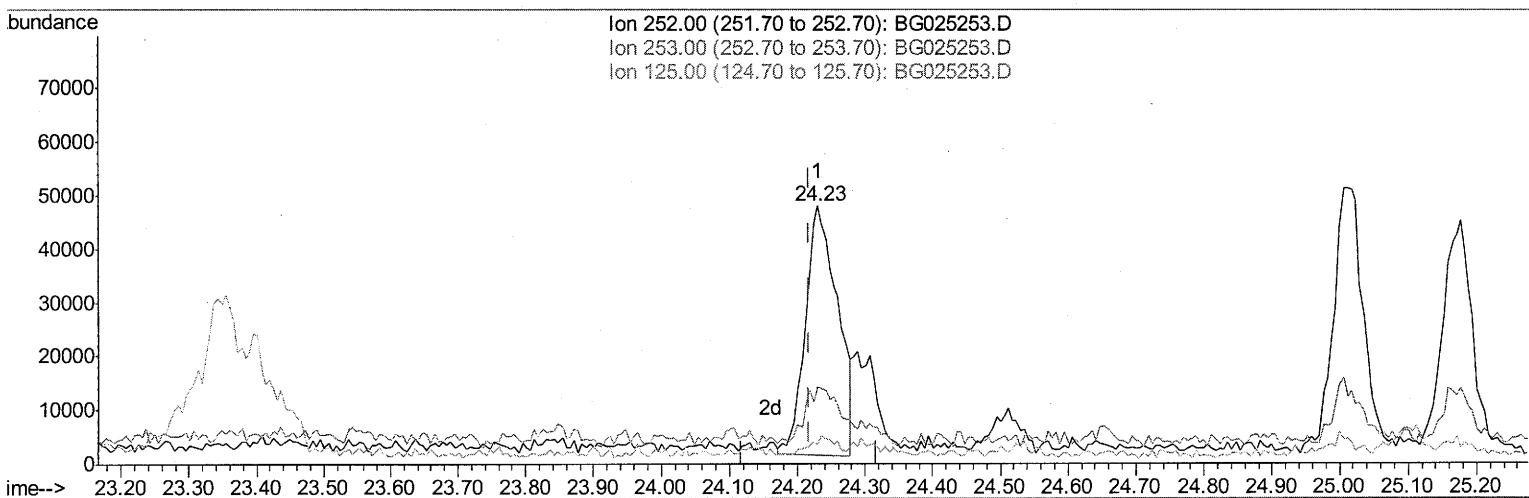
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121616\
Data File : BG025253.D
Acq On : 17 Dec 2016 00:32
Operator : UM/SJ
Sample : H6040-08MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DA8W1MSD

Manual Integrations
APPROVED

umangi
12/20/2016 10:48:40 AM

Quant Time: Dec 17 01:14:57 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 17 00:22:48 2016
Response via : Initial Calibration



(85) Benzo(b)fluoranthene

24.230min (+0.012) 4.74ng/ul m

response 152256

Ion	Exp%	Act%
252.00	100	100
253.00	22.10	29.76#
125.00	5.00	7.34#
0.00	0.00	0.00

um
12/17/16

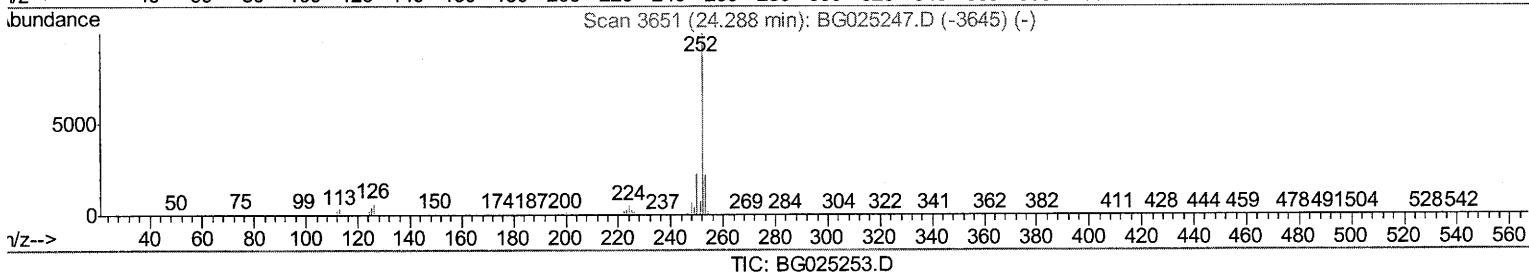
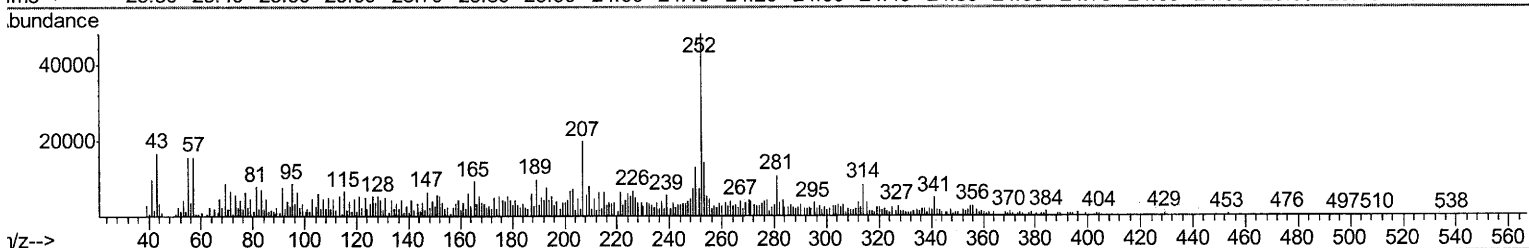
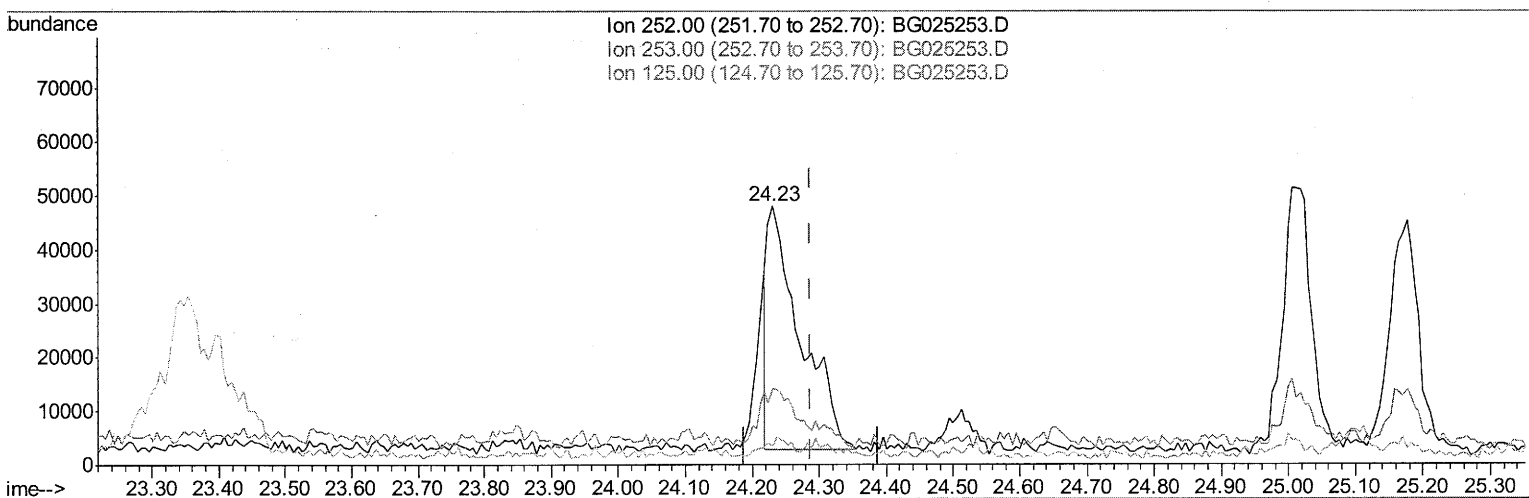
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121616\
Data File : BG025253.D
Acq On : 17 Dec 2016 00:32
Operator : UM/SJ
Sample : H6040-08MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DA8W1MSD

Manual Integrations
APPROVED

umangi
12/20/2016 10:48:40 AM

Quant Time: Dec 17 01:31:26 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 17 00:22:48 2016
Response via : Initial Calibration



TIC: BG025253.D

(86) Benzo(k)fluoranthene

24.230min (-0.058) 5.06ng/ul

response 154415

Ion	Exp%	Act%
252.00	100	100
253.00	23.10	29.76#
125.00	5.10	7.34#
0.00	0.00	0.00

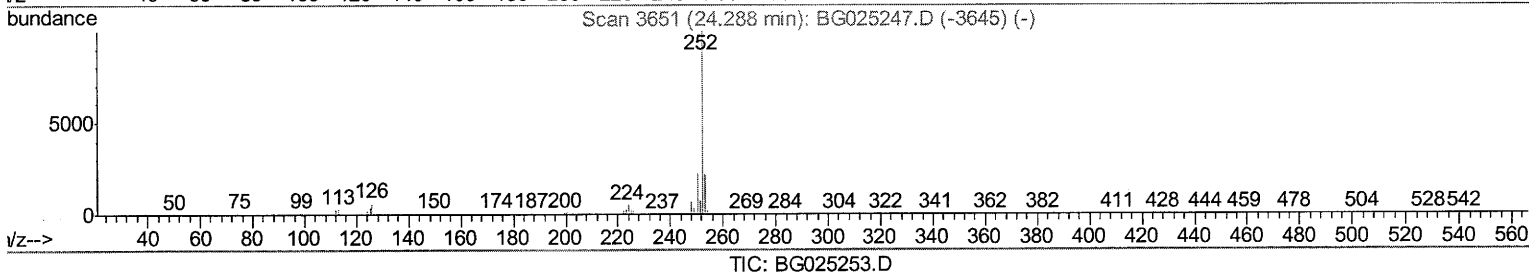
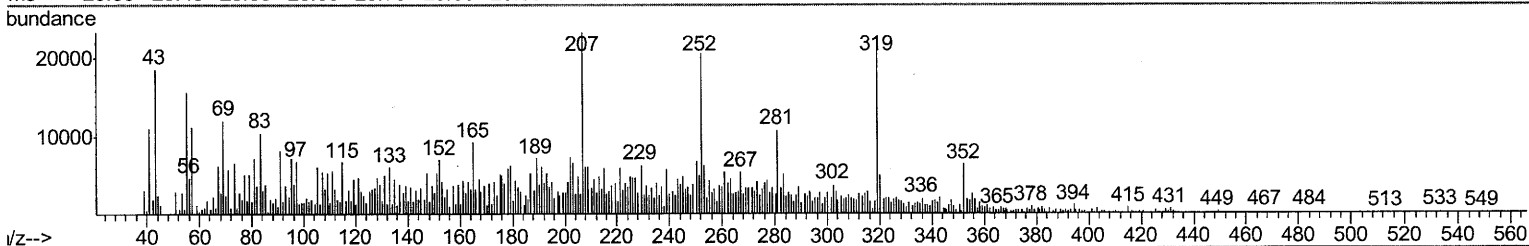
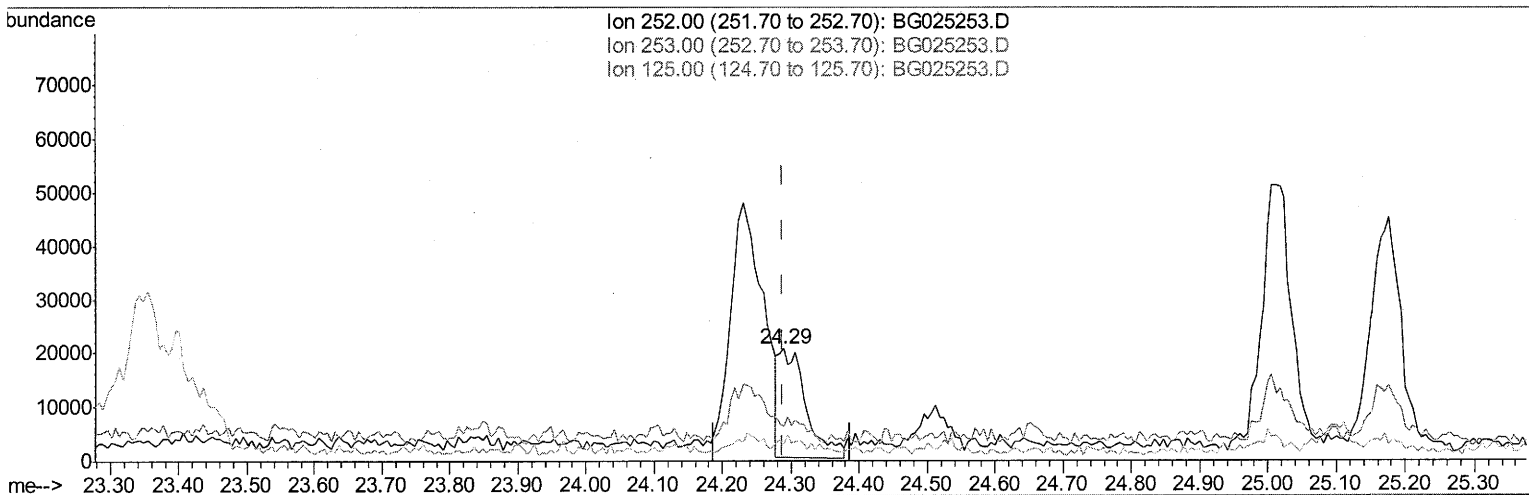
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121616\
Data File : BG025253.D
Acq On : 17 Dec 2016 00:32
Operator : UM/SJ
Sample : H6040-08MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DA8W1MSD

Manual Integrations
APPROVED

umangi
12/20/2016 10:48:40 AM

Quant Time: Dec 17 01:31:26 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 17 00:22:48 2016
Response via : Initial Calibration



(86) Benzo(k)fluoranthene

24.289min (+0.001) 1.80ng/ul m

response 54891

Ion	Exp%	Act%
252.00	100	100
253.00	23.10	30.49#
125.00	5.10	14.25#
0.00	0.00	0.00

um
12/17/16

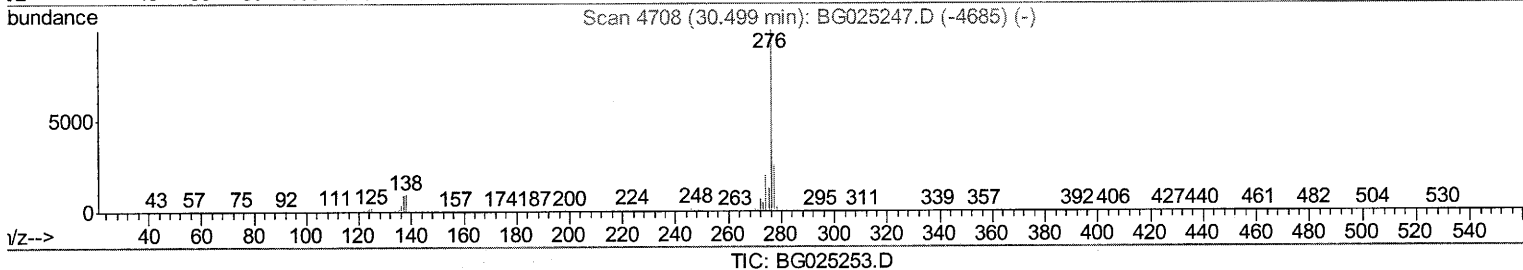
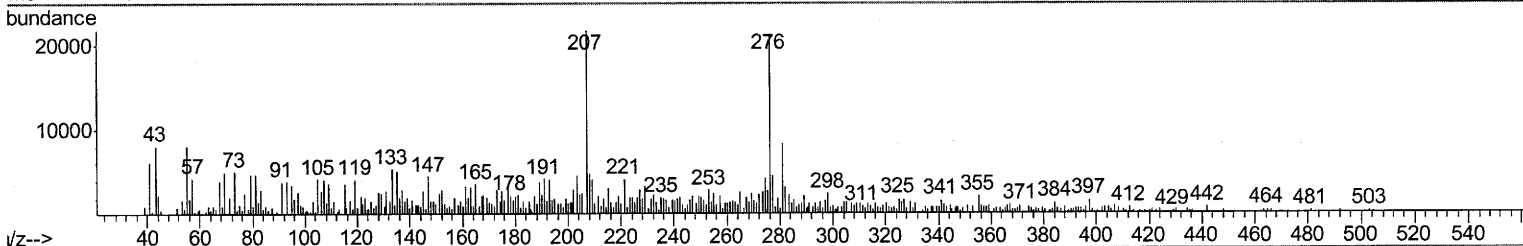
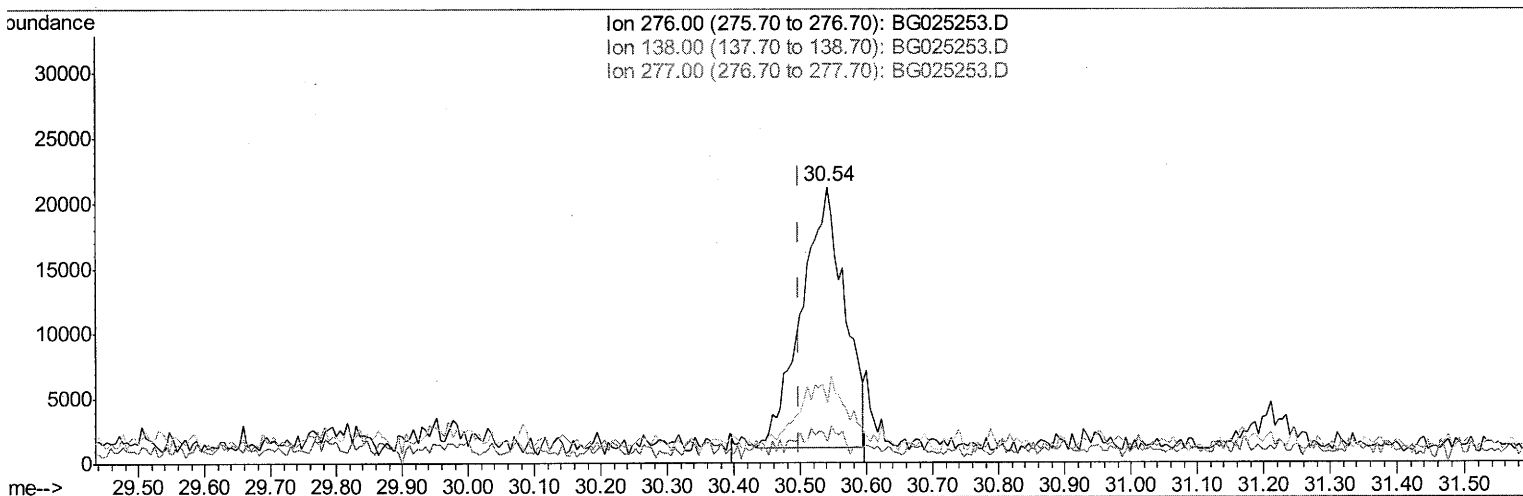
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121616\
Data File : BG025253.D
Acq On : 17 Dec 2016 00:32
Operator : UM/SJ
Sample : H6040-08MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DA8W1MSD

Manual Integrations
APPROVED

umangi
12/20/2016 10:48:40 AM

Quant Time: Dec 17 01:31:26 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 17 00:22:48 2016
Response via : Initial Calibration



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

30.540min (+0.042) 2.83ng/ul

response 90679

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	7.73#
277.00	22.00	21.90
0.00	0.00	0.00

Quantitation Report (Qedit)

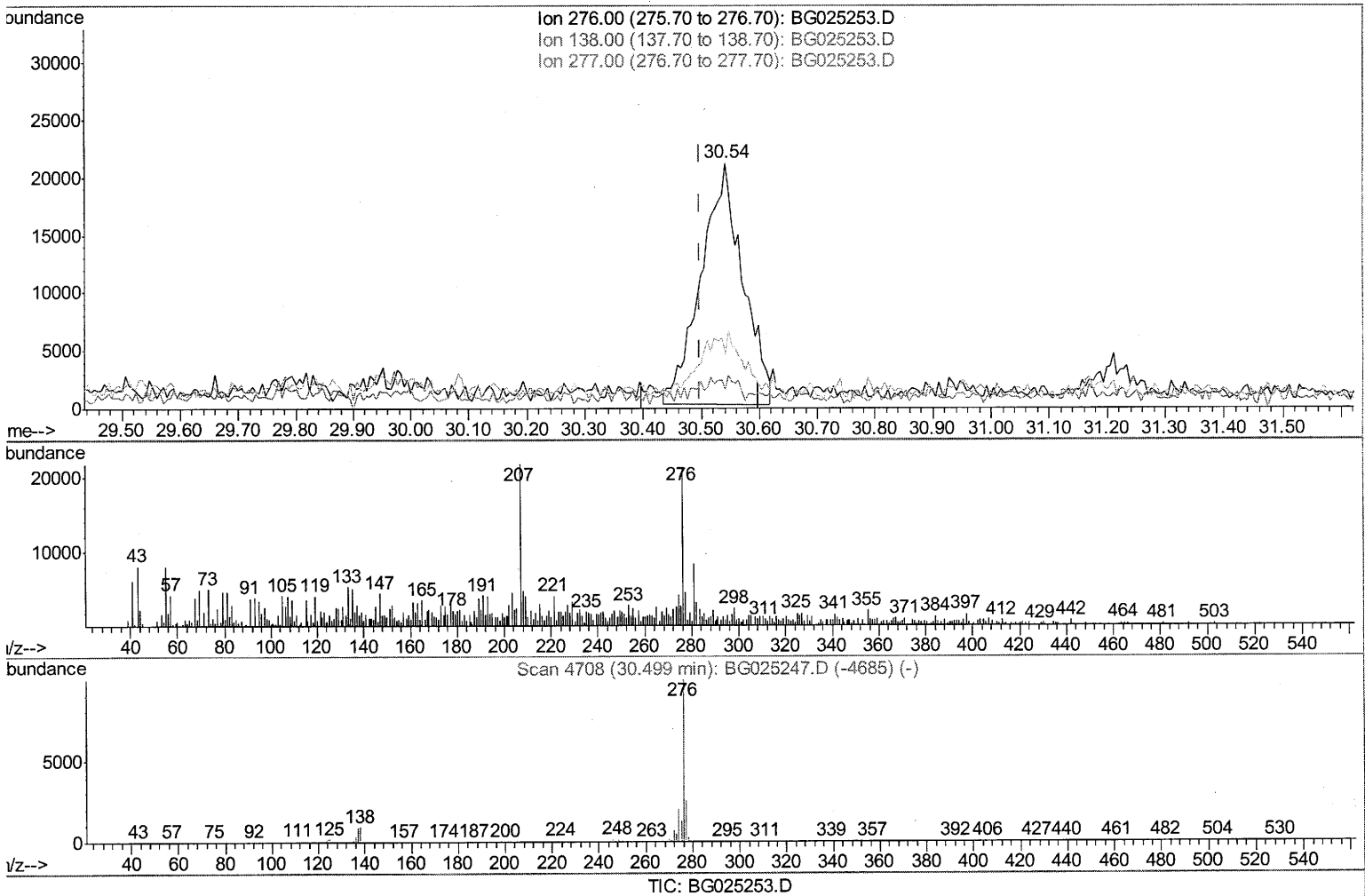
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121616\
 Data File : BG025253.D
 Acq On : 17 Dec 2016 00:32
 Operator : UM/SJ
 Sample : H6040-08MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA8W1MSD

Manual Integrations
 APPROVED

umangi
 12/20/2016 10:48:40 AM

Quant Time: Dec 17 01:31:26 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 17 00:22:48 2016
 Response via : Initial Calibration



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

30.540min (+0.042) 3.24ng/ul m

response 103820

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	7.73#
277.00	22.00	21.90
0.00	0.00	0.00

um
 12/17/16

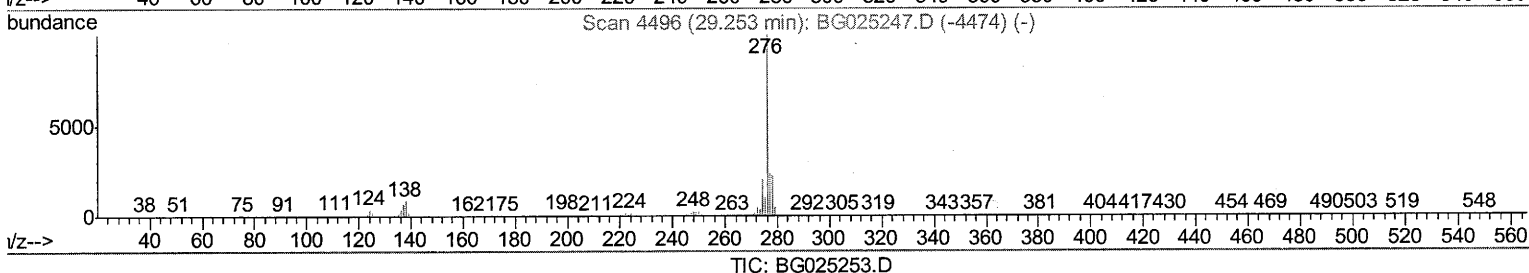
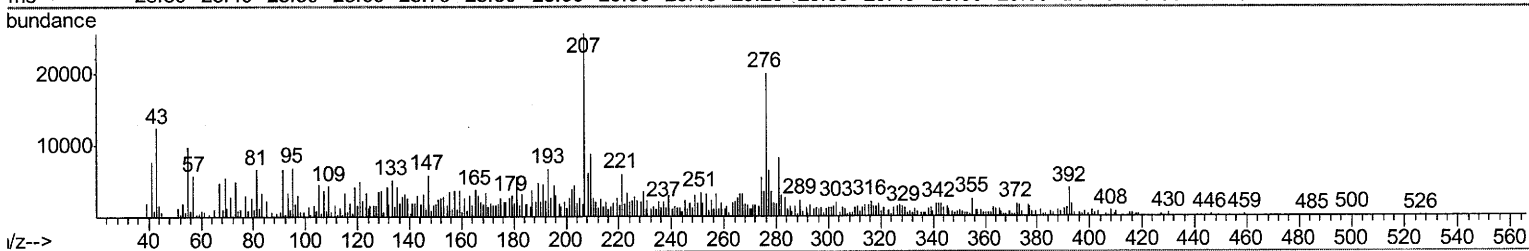
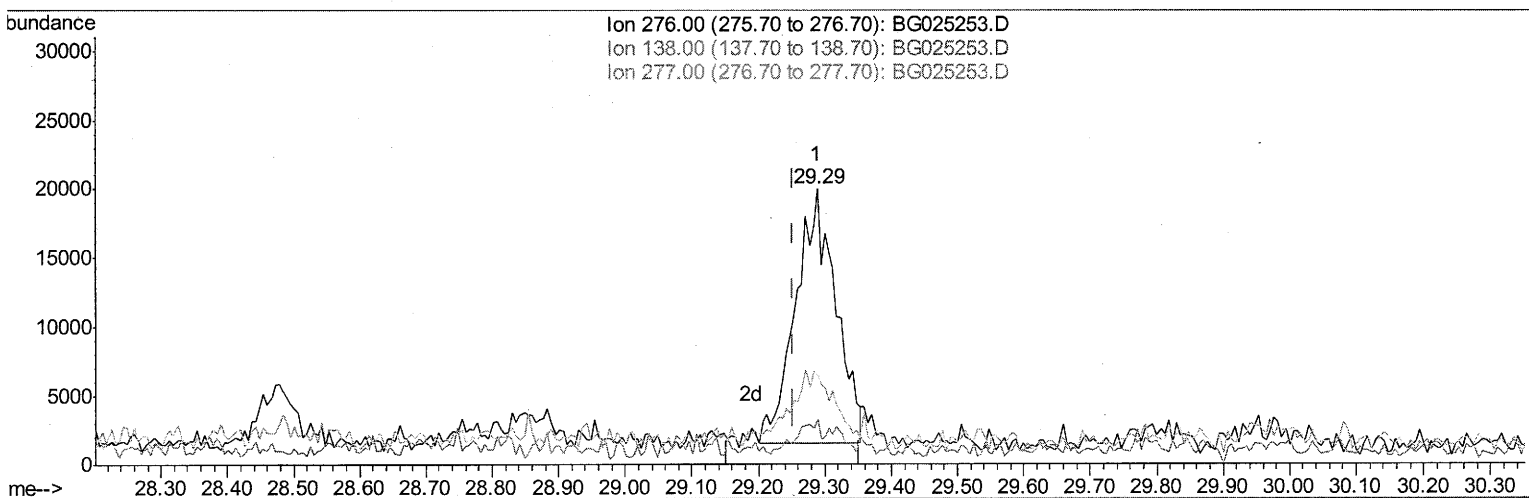
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121616\
Data File : BG025253.D
Acq On : 17 Dec 2016 00:32
Operator : UM/SJ
Sample : H6040-08MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DA8W1MSD

Manual Integrations
APPROVED

umangi
12/20/2016 10:48:40 AM

Quant Time: Dec 17 01:31:26 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 17 00:22:48 2016
Response via : Initial Calibration



TIC: BG025253.D

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

29.289min (+0.036) 2.03ng/ul

response 77741

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	16.42#
277.00	23.30	32.69#
0.00	0.00	0.00

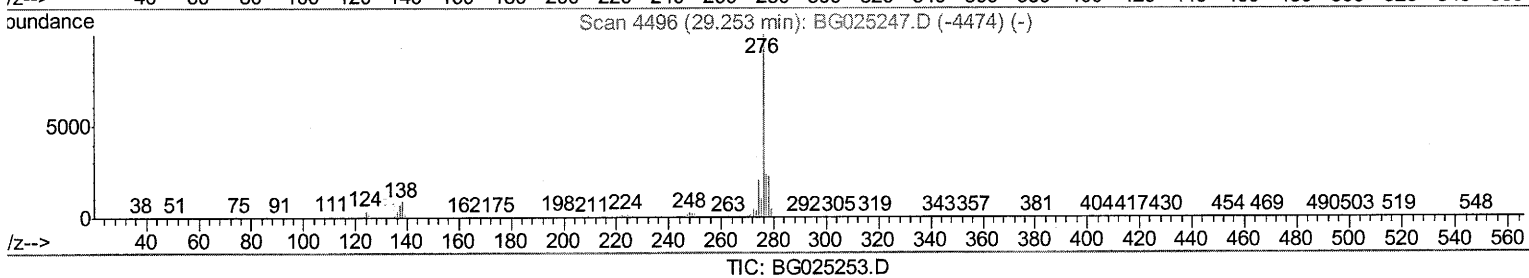
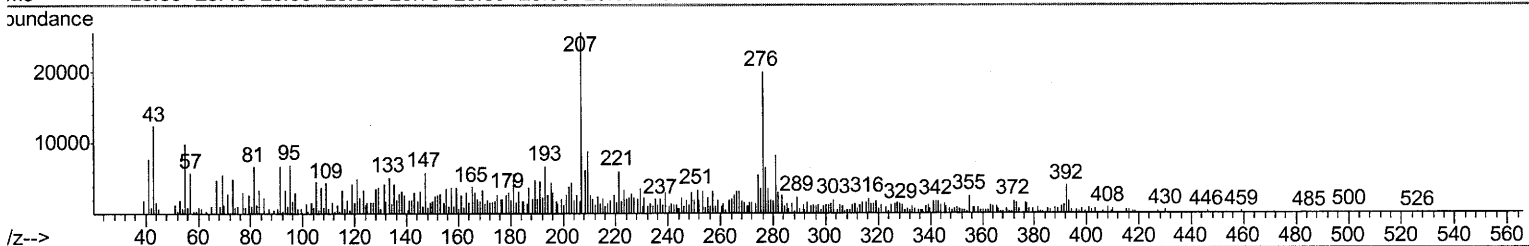
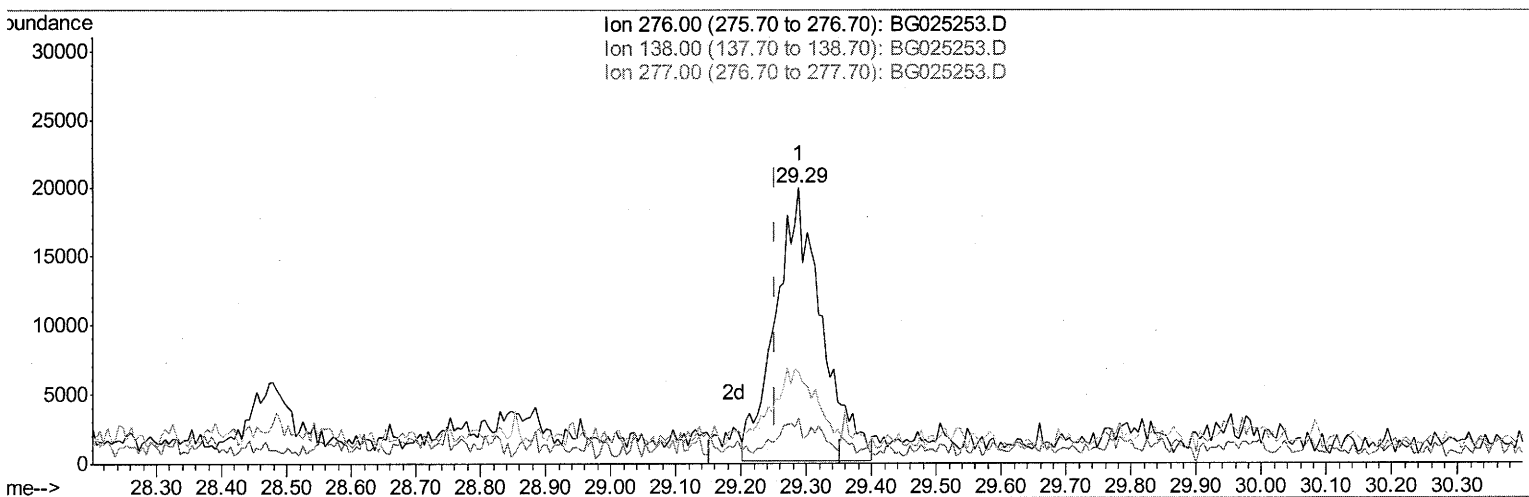
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121616\
Data File : BG025253.D
Acq On : 17 Dec 2016 00:32
Operator : UM/SJ
Sample : H6040-08MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DA8W1MSD

Manual Integrations
APPROVED

umangi
12/20/2016 10:48:40 AM

Quant Time: Dec 17 01:31:26 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 17 00:22:48 2016
Response via : Initial Calibration



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

29.289min (+0.036) 2.53ng/ul m

response 96929

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	16.42#
277.00	23.30	32.69#
0.00	0.00	0.00

um
12/17/16

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121616\
 Data File : BG025253.D
 Acq On : 17 Dec 2016 00:32
 Operator : UM/SJ
 Sample : H6040-08MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 Client Sampled :
 DA8W1MSD

Manual Integrations
 APPROVED

umangi
 12/20/2016 10:48:40 AM

Quant Time: Dec 17 01:35:43 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 17 00:22:48 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	76453	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	307812	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	234978	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	450962	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	605028	20.00	ng/ul	0.00
83) Perylene-d12	25.33	264	647114	20.00	ng/ul	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.58	96	6089	4.11	ng/uL	0.00
5) Phenol-d5	7.40	99	153380	23.25	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.54	67	93883	23.01	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	110854	24.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	133120	24.15	ng/ul	0.00
19) Nitrobenzene-d5	9.41	128	56887	26.10	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	67516	24.85	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	134701	25.78	ng/ul	0.00
29) 4-Chloroaniline-d4	11.22	131	20604	4.01	ng/ul	0.02
43) Dimethylphthalate-d6	14.25	166	421536	26.08	ng/ul	0.00
46) Acenaphthylene-d8	14.55	160	493147	27.85	ng/ul	0.00
51) 4-Nitrophenol-d4	15.10	143	74857	26.95	ng/ul	0.02
57) Fluorene-d10	15.85	176	368646	24.23	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.98	200	90155	32.33	ng/ul	0.00
70) Anthracene-d10	17.70	188	523404	27.50	ng/ul	0.00
76) Pyrene-d10	19.98	212	645668	25.91	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.10	264	704004	26.85	ng/ul	0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Phenol	7.42	94	179716	26.55	ng/ul#	90
10) 2-Chlorophenol	7.80	128	103305	22.28	ng/ul	89
15) N-Nitroso-di-n-propylamine	9.04	70	113384	23.40	ng/ul#	84
28) Naphthalene	11.11	128	25776	1.80	ng/ul#	92
33) 4-Chloro-3-methylphenol	12.34	107	146848	23.48	ng/ul	99
34) 2-Methylnaphthalene	12.70	142	28888	2.56	ng/ul	99
44) Dimethylphthalate	14.29	163	129959	8.18	ng/ul#	98
49) Acenaphthene	14.92	153	314186	26.65	ng/ul	99
52) 4-Nitrophenol	15.11	109	92244	27.61	ng/ul	96
53) Dibenzofuran	15.25	168	24414	1.31	ng/ul	90
54) 2,4-Dinitrotoluene	15.23	165	129625	25.20	ng/ul#	98
68) Pentachlorophenol	17.26	266	106318	30.87	ng/ul	90
69) Phenanthrene	17.64	178	153133	7.11	ng/ul	97
71) Anthracene	17.74	178	23323	1.05	ng/ul#	89
74) Fluoranthene	19.64	202	122726	4.80	ng/ul#	94
77) Pyrene	20.01	202	931960	32.04	ng/ul	96
80) Benzo(a)anthracene	21.88	228	138818	4.42	ng/ul#	83
81) Bis(2-ethylhexyl)phthalate	21.72	149	47769	3.05	ng/ul#	64
82) Chrysene	21.95	228	180810	6.15	ng/ul#	86
85) Benzo(b)fluoranthene	24.23	252	152256m	4.74	ng/ul	
86) Benzo(k)fluoranthene	24.29	252	54891m	1.80	ng/ul	
88) Benzo(a)pyrene	25.18	252	120853	3.92	ng/ul#	85
89) Indeno(1,2,3-cd)pyrene	29.29	276	96929m	2.53	ng/ul	

} um
 12/17/16

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121616\
Data File : BG025253.D
Acq On : 17 Dec 2016 00:32
Operator : UM/SJ
Sample : H6040-08MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DA8W1MSD

Manual Integrations
APPROVED

umangi
12/20/2016 10:48:40 AM

Quant Time: Dec 17 01:35:43 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 17 00:22:48 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(g,h,i)perylene	30.54	276	103820m	3.24	ng/ul	

um 12/17/16

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