

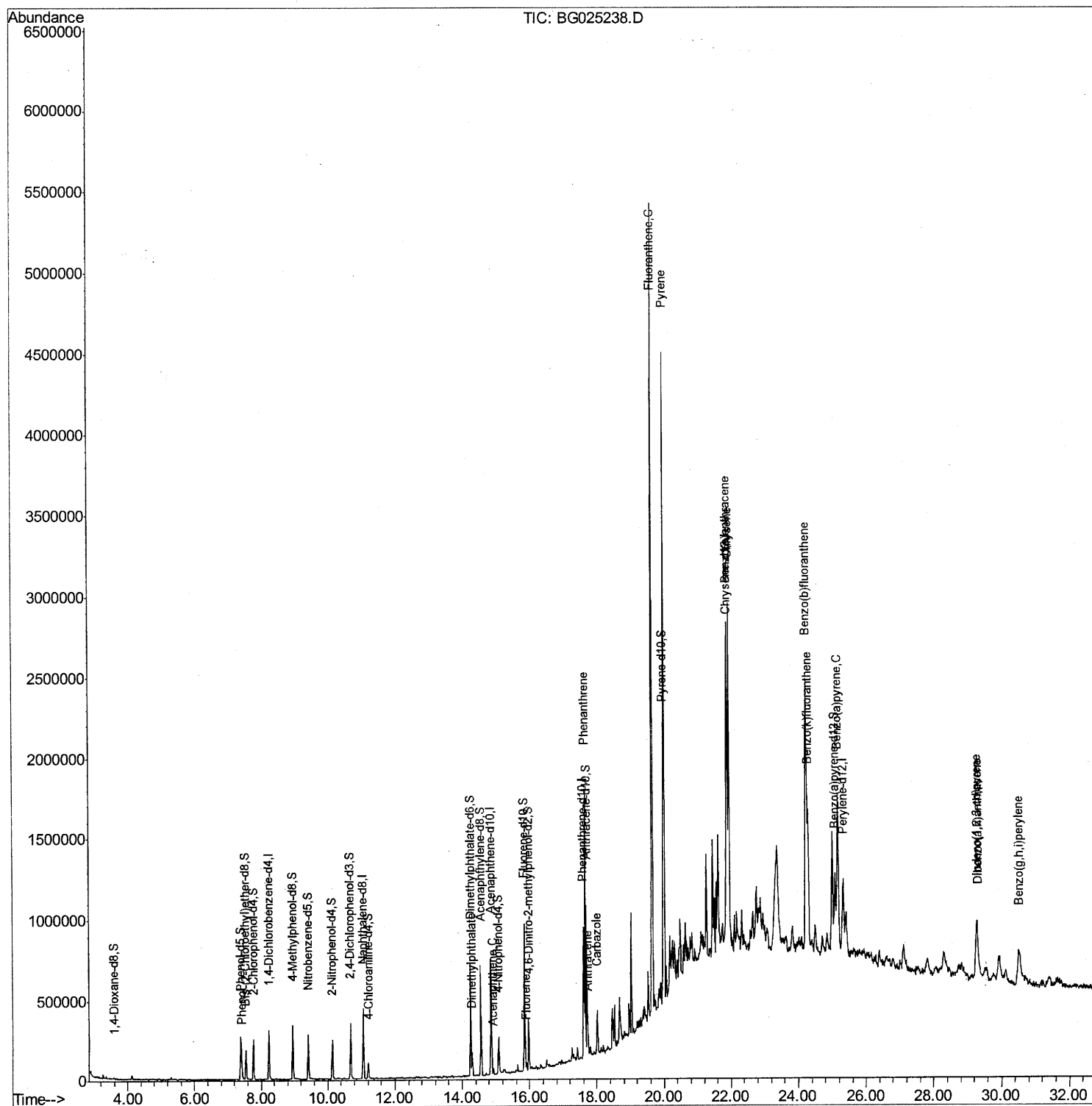
Data Path : Z:\HPCHEM1\BNA G\Data\BG121516\
Data File : BG025238.D
Acq On : 16 Dec 2016 8:23
Operator : UM/SJ
Sample : H5860-13
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
DA8E0

Manual Integrations
APPROVED

UMANGI
12/16/2016 6:21:29 PM

Quant Time: Dec 16 13:12:03 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 05:54:49 2016
Response via : Initial Calibration



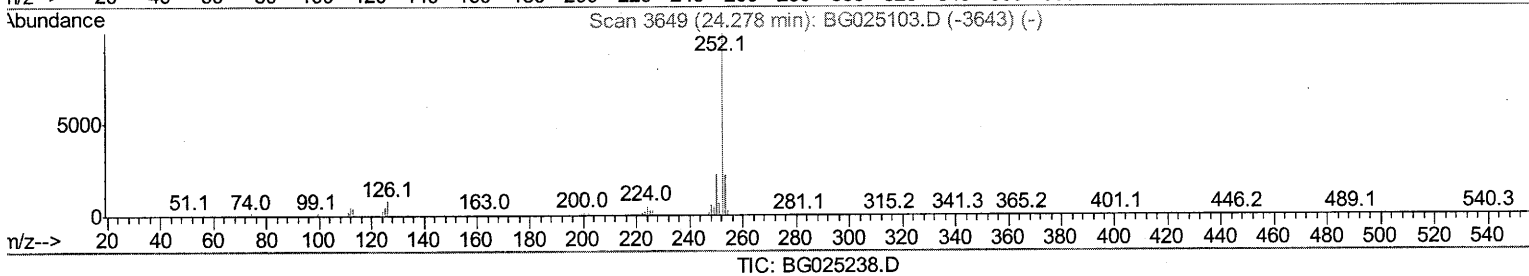
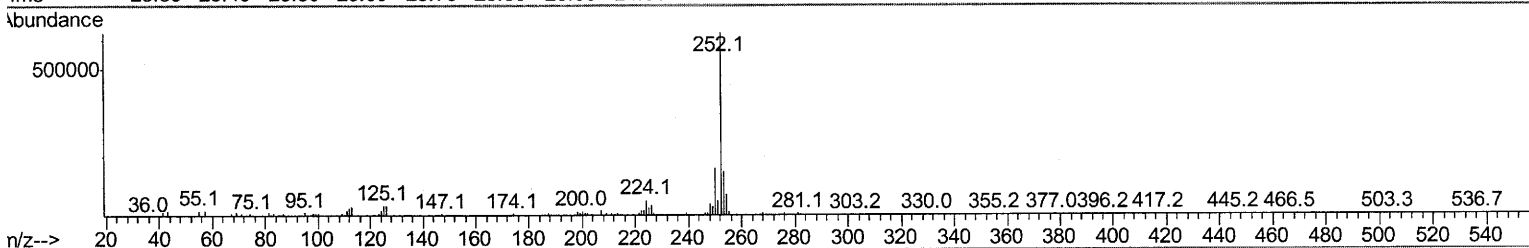
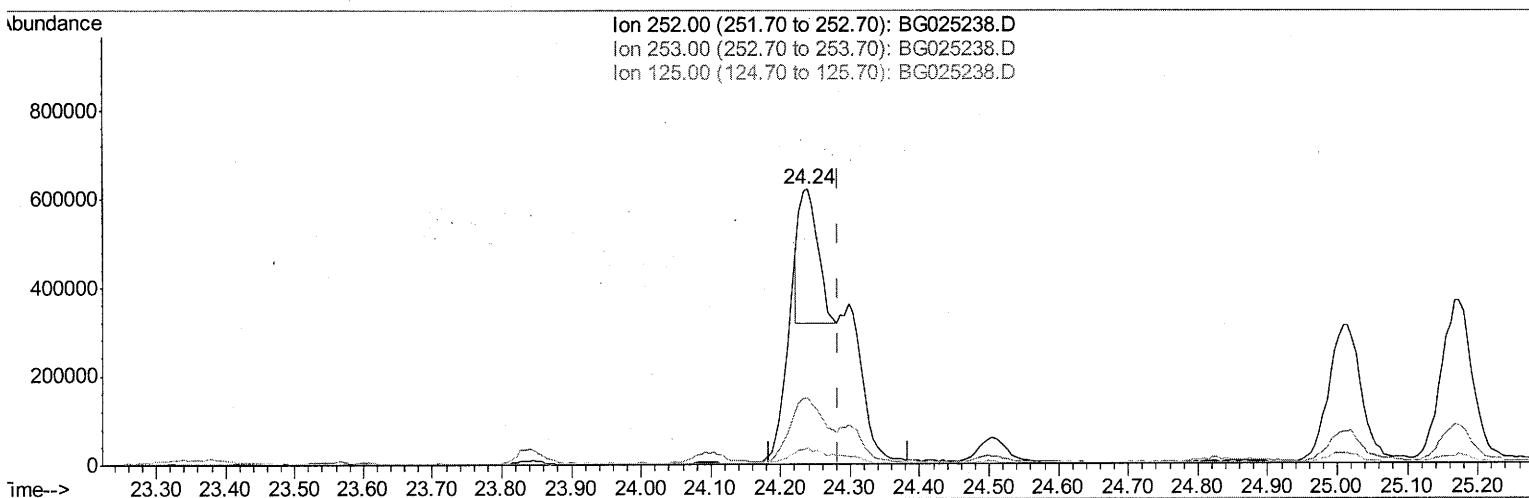
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UMANGI
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Quant Time: Dec 16 13:01:23 2016
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QLast Update : Fri Dec 16 05:54:49 2016
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(86) Benzo(k)fluoranthene

24.239min (-0.045) 19.94ng/ul

response 569234

Ion	Exp%	Act%
252.00	100	100
253.00	23.10	23.91
125.00	5.10	5.86
0.00	0.00	0.00

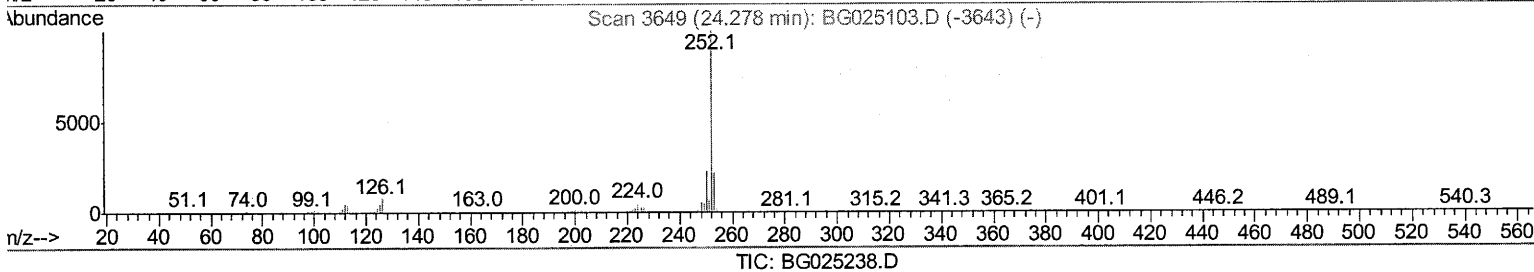
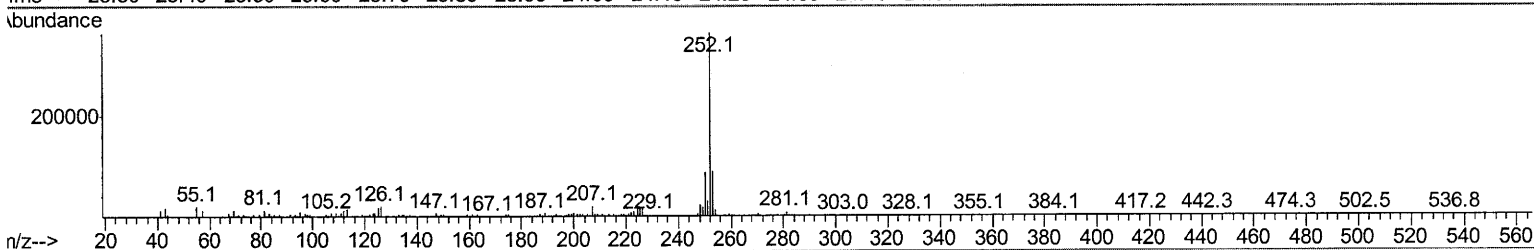
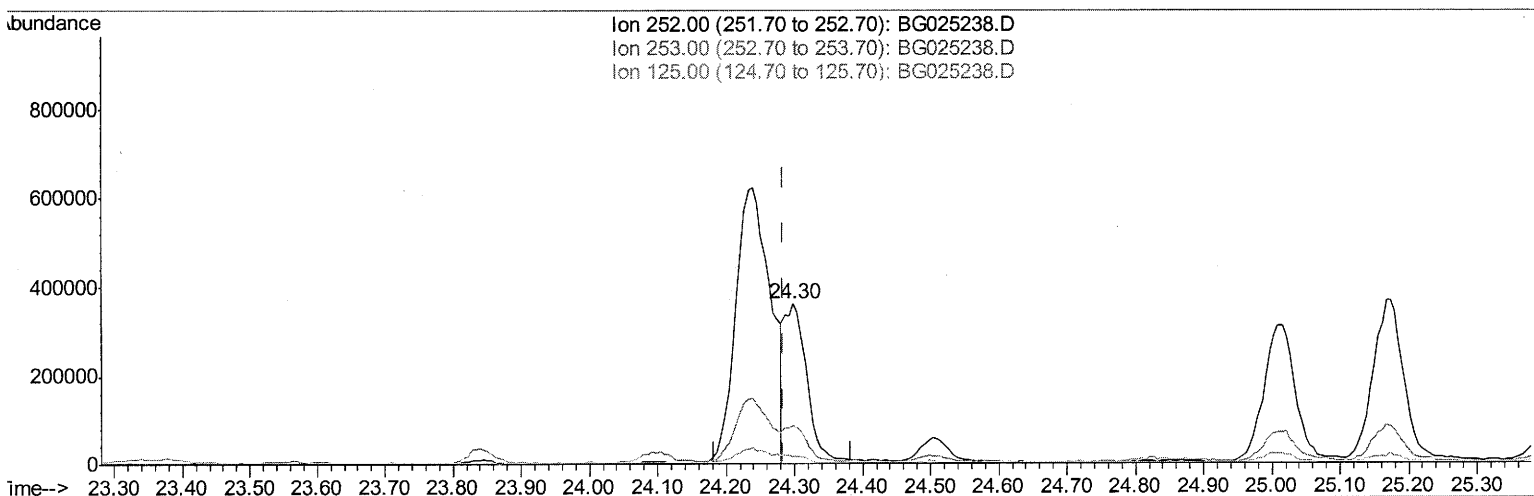
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(86) Benzo(k)fluoranthene

24.298min (+0.014) 28.82ng/ul m

response 822762

Ion	Exp%	Act%
252.00	100	100
253.00	23.10	24.47
125.00	5.10	5.07
0.00	0.00	0.00

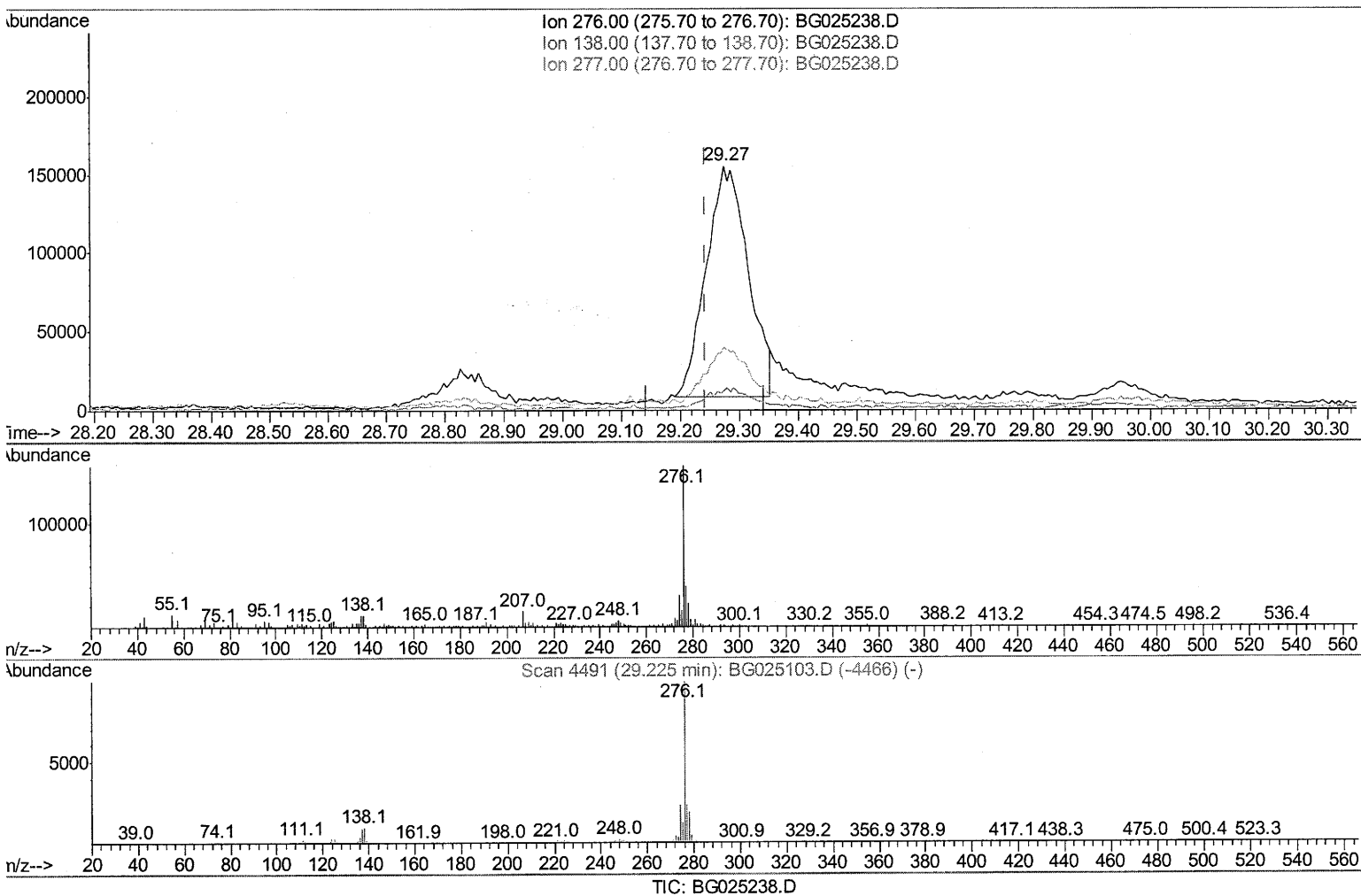
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Sample : H5860-13
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ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
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Manual Integrations
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(89) Indeno(1,2,3-cd)pyrene

29.274min (+0.032) 20.05ng/ul

response 719349

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	7.67#
277.00	23.30	25.60
0.00	0.00	0.00

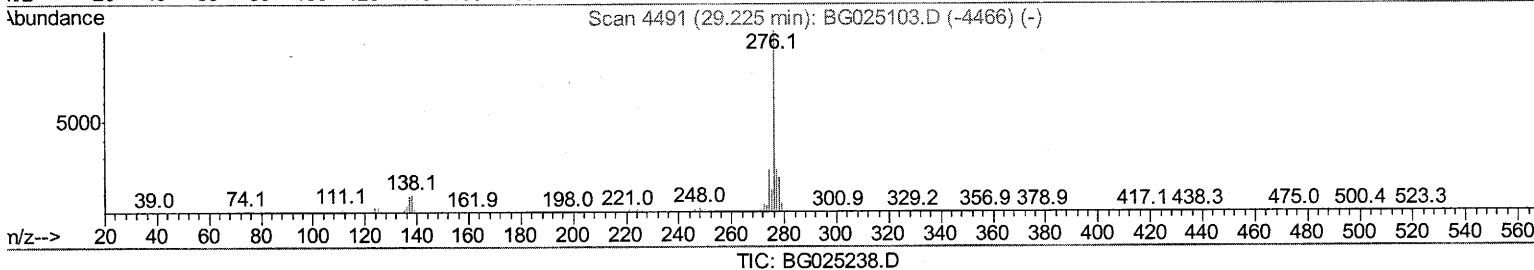
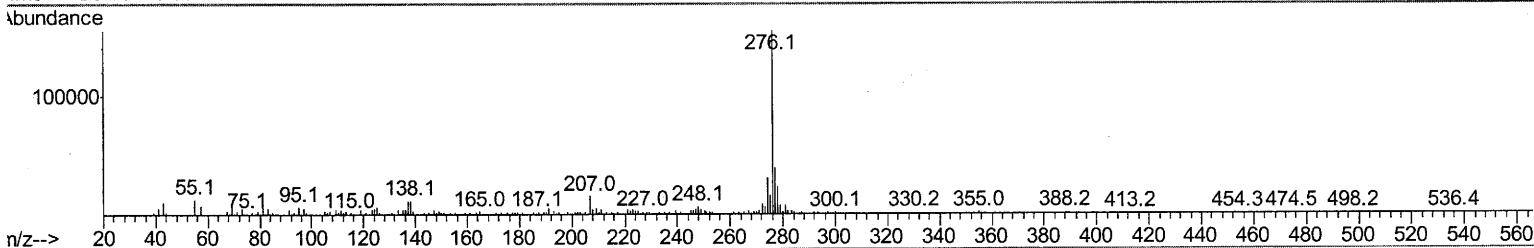
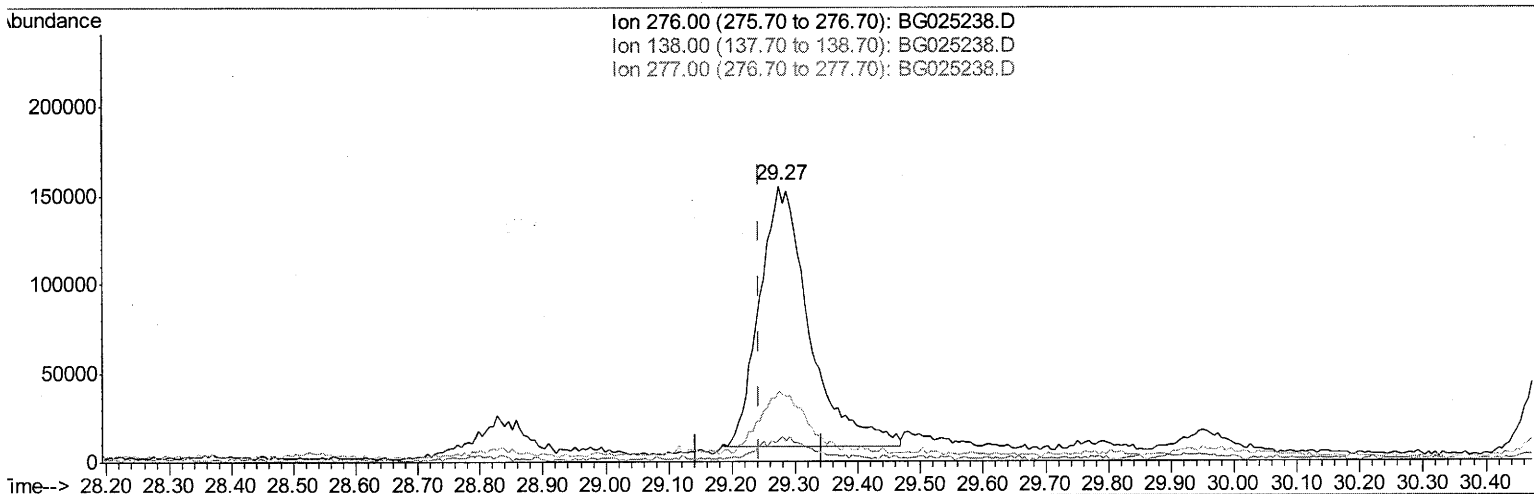
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Acq On : 16 Dec 2016 8:23
Operator : UM/SJ
Sample : H5860-13
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
DA8E0

Manual Integrations
APPROVED

UMANGI
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QLast Update : Fri Dec 16 05:54:49 2016
Response via : Initial Calibration



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

29.274min (+0.032) 22.44ng/ul m

response 805245

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	7.67#
277.00	23.30	25.60
0.00	0.00	0.00

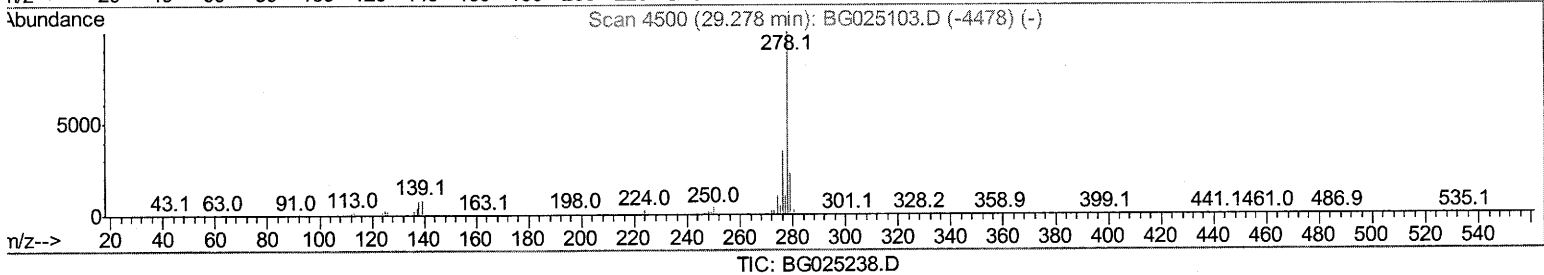
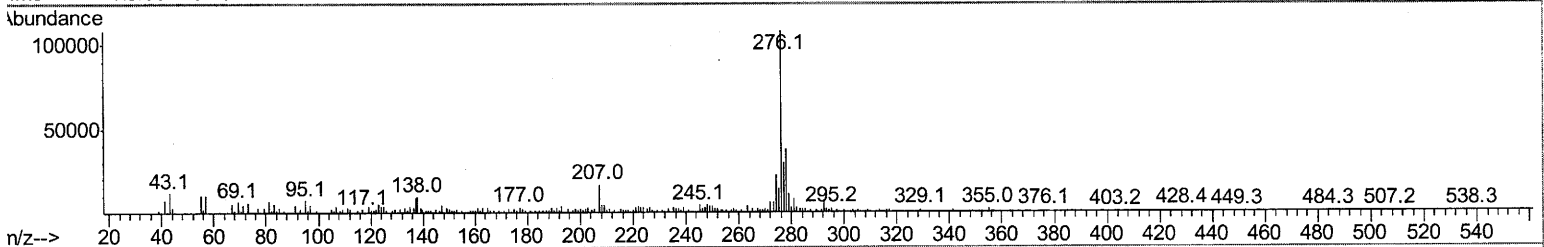
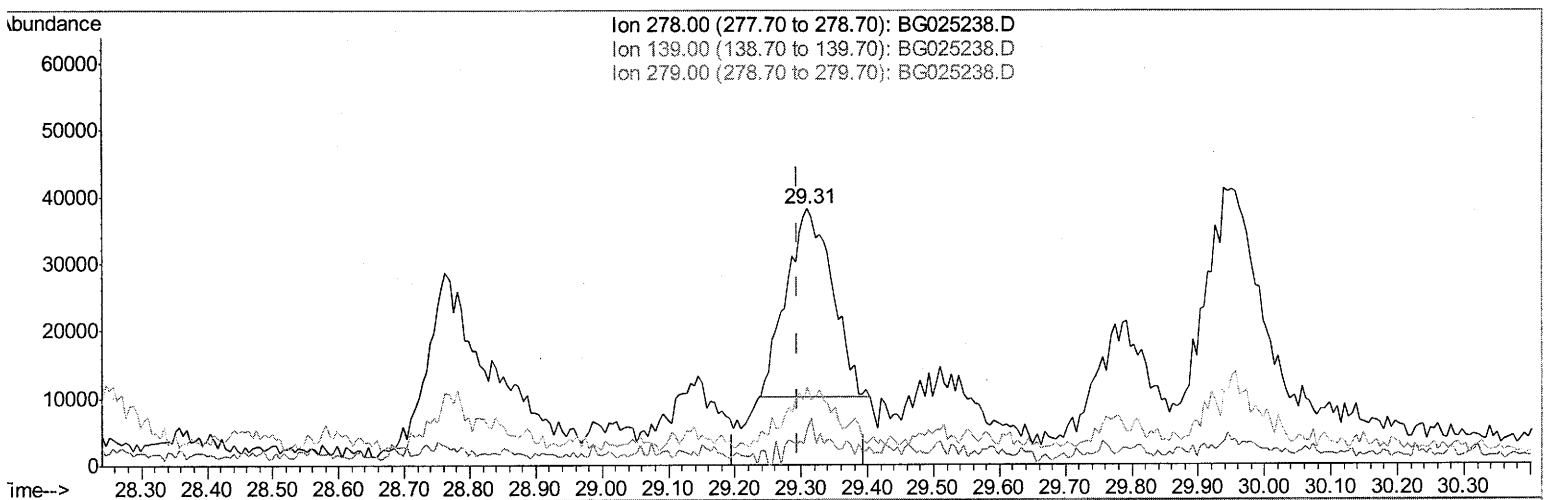
Data Path : Z:\HPCHEM1\BNA G\Data\BG121516\
Data File : BG025238.D
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Operator : UM/SJ
Sample : H5860-13
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DA8E0

Manual Integrations
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Response via : Initial Calibration



(90) Dibenzo(a,h)anthracene

29.309min (+0.014) 4.42ng/ul

response 133762

Ion	Exp%	Act%
278.00	100	100
139.00	8.40	14.44#
279.00	26.10	30.53
0.00	0.00	0.00

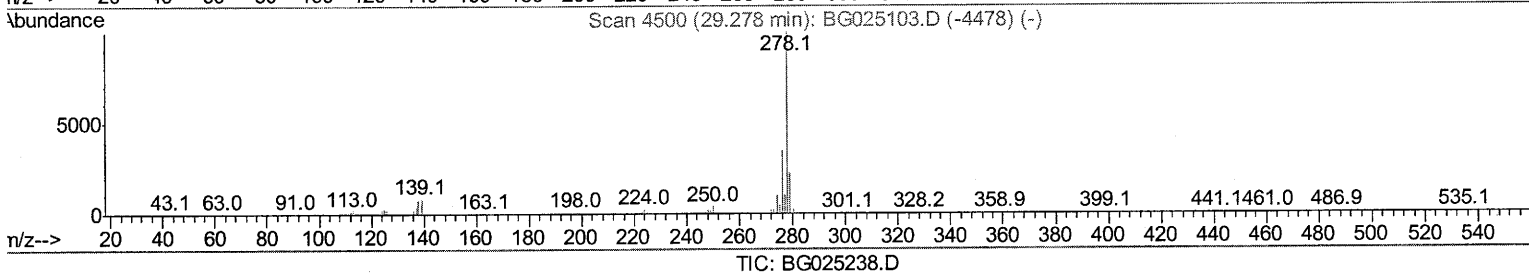
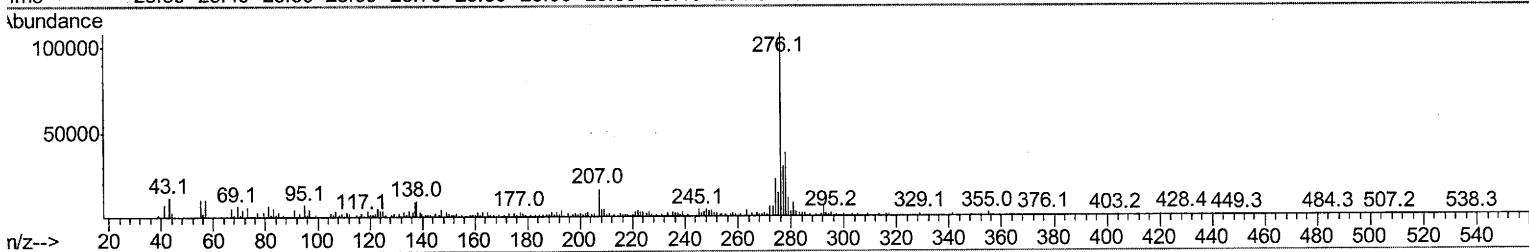
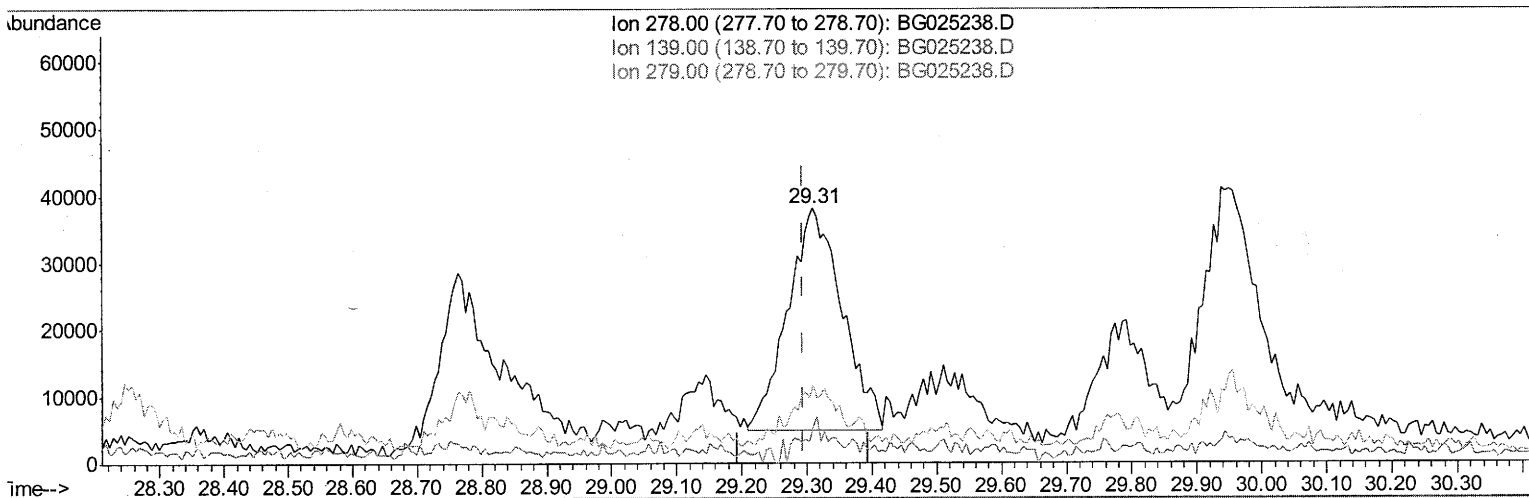
Data Path : Z:\HPCHEM1\BNA G\Data\BG121516\
Data File : BG025238.D
Acq On : 16 Dec 2016 8:23
Operator : UM/SJ
Sample : H5860-13
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DA8E0

Manual Integrations
APPROVED

UMANGI
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Quant Time: Dec 16 13:01:23 2016
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Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 05:54:49 2016
Response via : Initial Calibration



(90) Dibenzo(a,h)anthracene

29.309min (+0.014) 6.40ng/ul m

response 193620

Ion	Exp%	Act%
278.00	100	100
139.00	8.40	8.12
279.00	26.10	30.53
0.00	0.00	0.00

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12/16/16

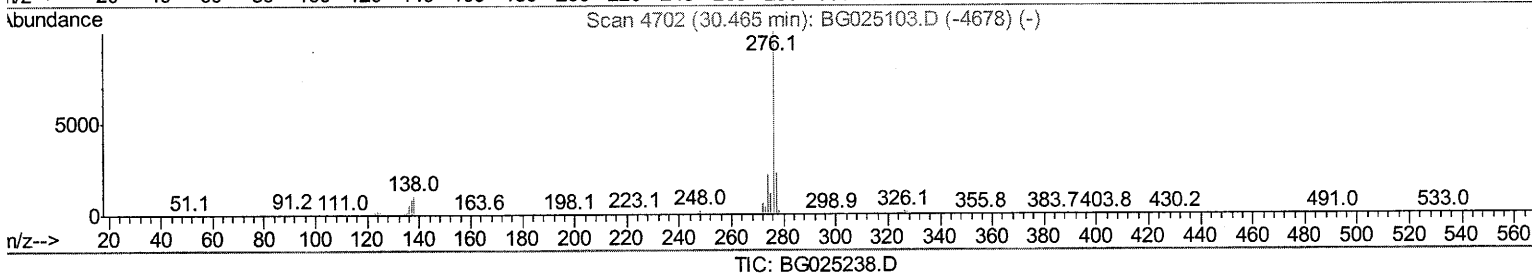
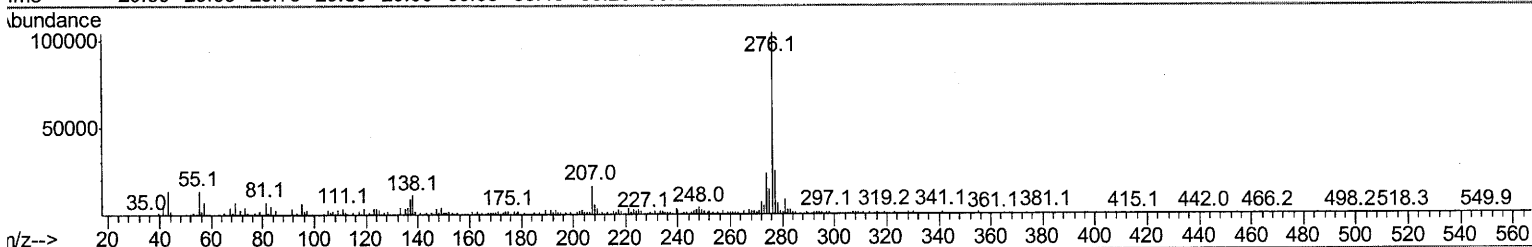
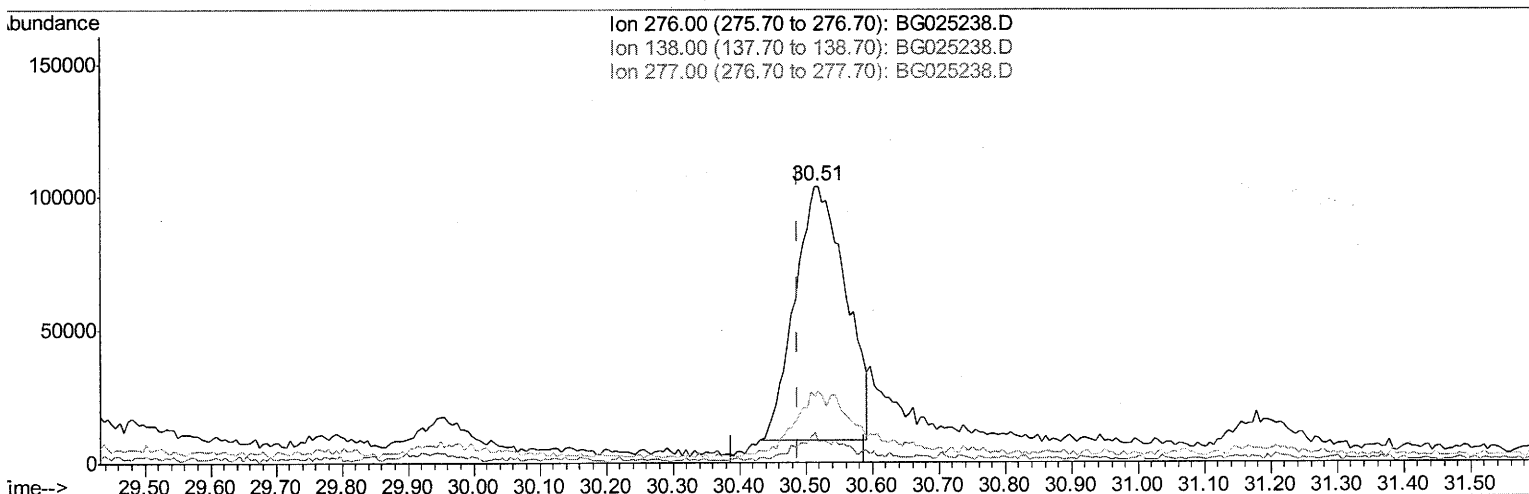
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Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Manual Integrations
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(91) Benzo(g,h,i)perylene

30.514min (+0.026) 16.79ng/ul

response 502799

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	11.09
277.00	22.00	24.16
0.00	0.00	0.00

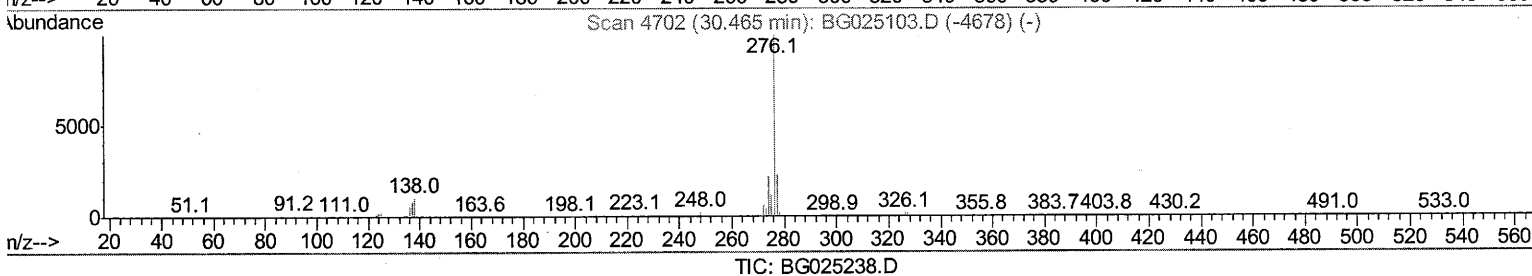
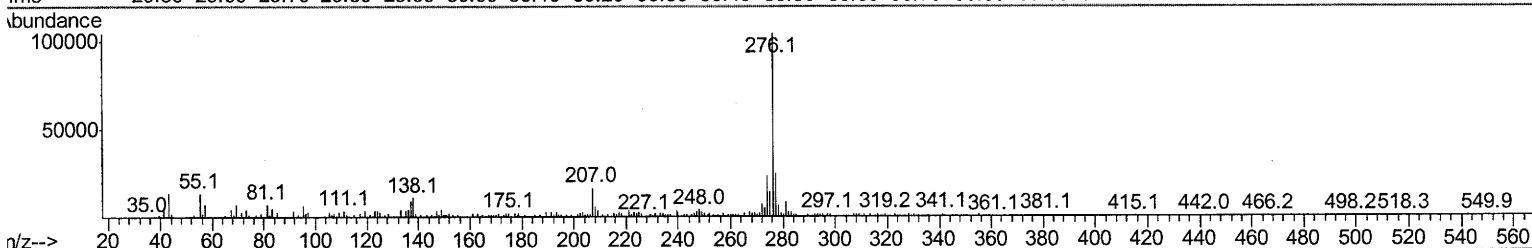
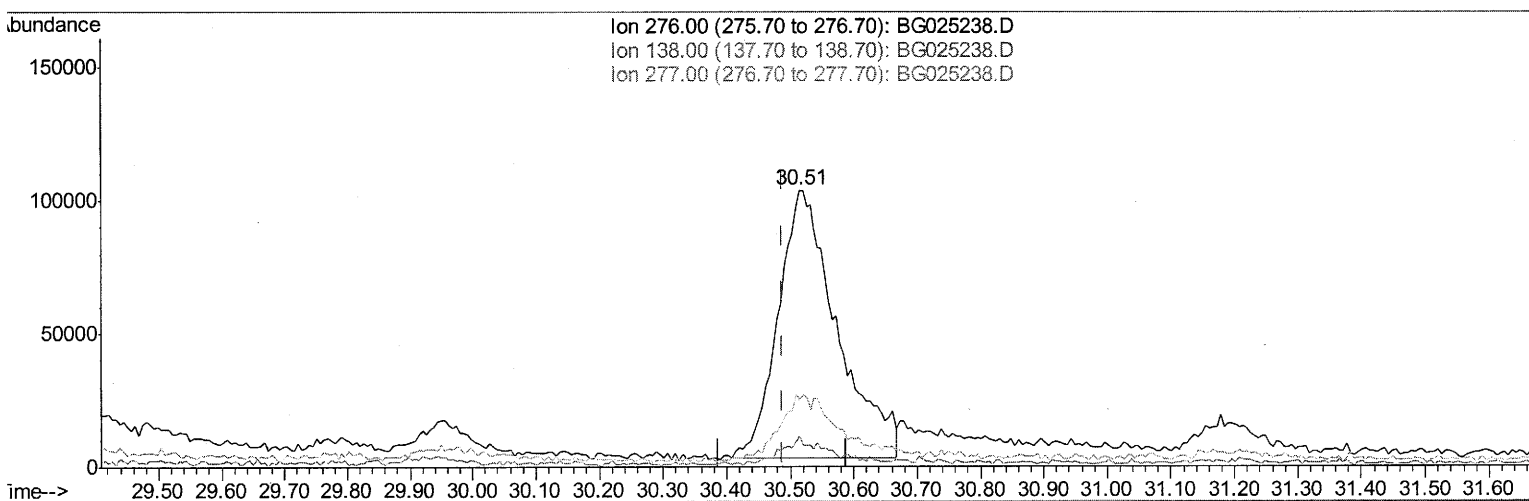
Data Path : Z:\HPCHEM1\BNA G\Data\BG121516\
Data File : BG025238.D
Acq On : 16 Dec 2016 8:23
Operator : UM/SJ
Sample : H5860-13
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
DA8E0

Manual Integrations
APPROVED

UMANGI
12/16/2016 6:21:29 PM

Quant Time: Dec 16 13:01:23 2016
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration



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

30.514min (+0.026) 21.74ng/ul m

response 650951

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	11.09
277.00	22.00	24.16
0.00	0.00	0.00

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 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
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 ClientSampled :
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Manual Integrations
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UMANGI
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 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 16 05:54:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	83969	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	353630	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	265443	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	527867	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	621672	20.00	ng/ul	0.00
83) Perylene-d12	25.33	264	605547	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	5231	3.22	ng/uL	0.00
5) Phenol-d5	7.39	99	148537	20.50	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.55	67	100777	22.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	104291	20.59	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	133782	22.10	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	57800	23.08	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	69925	22.40	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	135965	22.65	ng/ul	0.01
29) 4-Chloroaniline-d4	11.21	131	56902	9.64	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	447864	24.53	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	491468	24.57	ng/ul	0.00
51) 4-Nitrophenol-d4	15.07	143	56945	18.15	ng/ul	0.01
57) Fluorene-d10	15.84	176	399210	23.23	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.98	200	72491	22.21	ng/ul	0.00
70) Anthracene-d10	17.71	188	547354	24.57	ng/ul	0.00
76) Pyrene-d10	19.97	212	625392	24.42	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.09	264	618682	25.22	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	7.43	94	23811	3.20 ng/ul#	87
44) Dimethylphthalate	14.30	163	96998	5.41 ng/ul#	93
49) Acenaphthene	14.92	153	14814	1.11 ng/ul#	83
58) Fluorene	15.90	166	22509	1.31 ng/ul	97
69) Phenanthrene	17.65	178	1009446	40.07 ng/ul	97
71) Anthracene	17.73	178	76992	2.97 ng/ul#	92
72) Carbazole	18.01	167	178010	8.24 ng/ul	97
74) Fluoranthene	19.64	202	2999194	100.18 ng/ul#	96
77) Pyrene	20.01	202	2465661	82.51 ng/ul	99
80) Benzo(a)anthracene	21.88	228	1191378	36.89 ng/ul	97
82) Chrysene	21.95	228	1700737	56.29 ng/ul	96
85) Benzo(b)fluoranthene	24.24	252	2196659	73.16 ng/ul	96
86) Benzo(k)fluoranthene	24.30	252	822762m	28.82 ng/ul	99 } um (2)1111
88) Benzo(a)pyrene	25.17	252	1071060	37.10 ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.27	276	805245m	22.44 ng/ul	
90) Dibenzo(a,h)anthracene	29.31	278	193620m	6.40 ng/ul	
91) Benzo(q,h,i)perylene	30.51	276	650951m	21.74 ng/ul	

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