

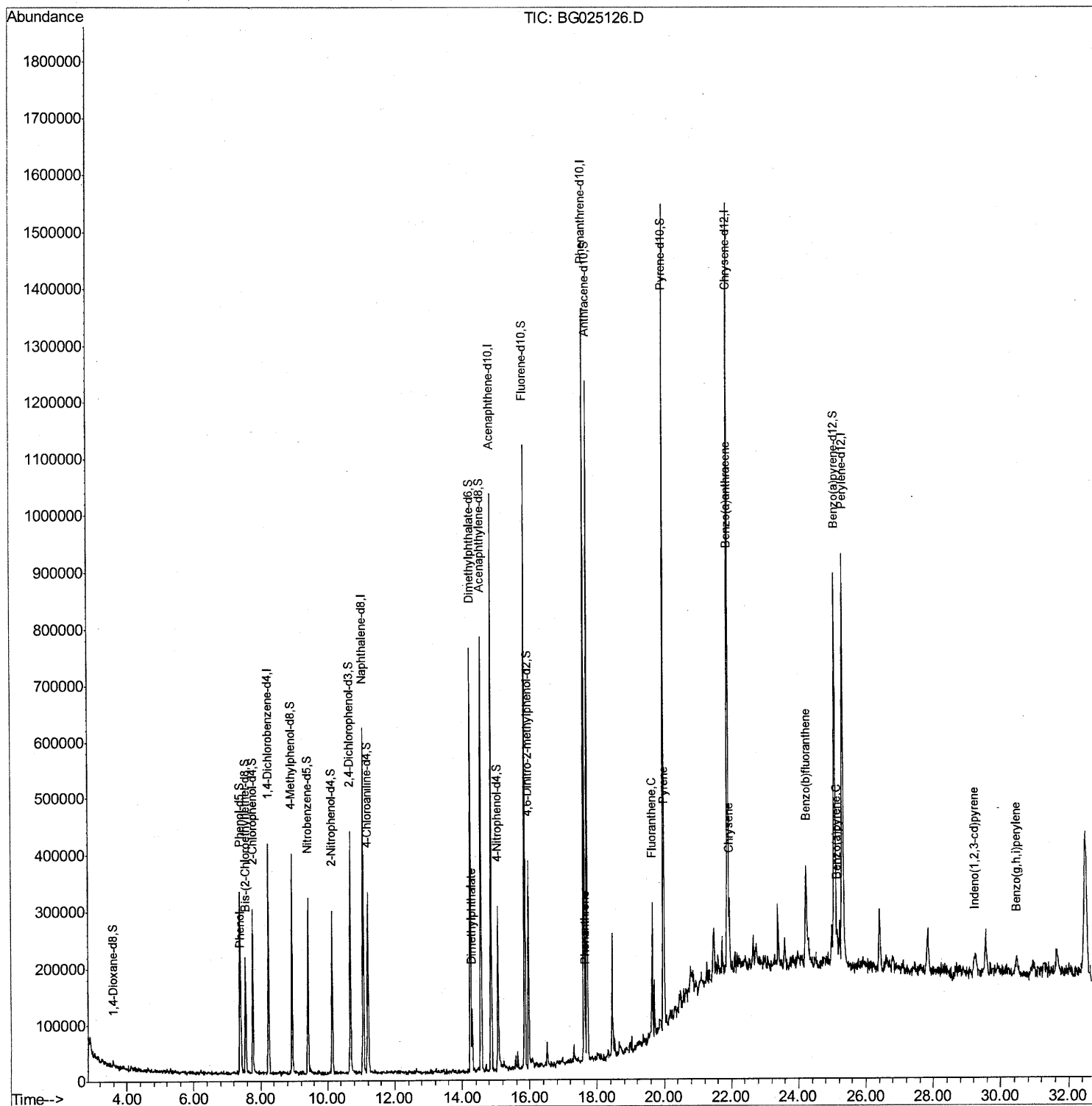
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
Data File : BG025126.D
Acq On : 12 Dec 2016 22:42
Operator : UM/SJ
Sample : H5990-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
P006-SS005-0106-04

Manual Integrations
APPROVED

sohil
12/13/2016 6:07:06 PM

Quant Time: Dec 13 01:29:35 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 01:00:05 2016
Response via : Initial Calibration



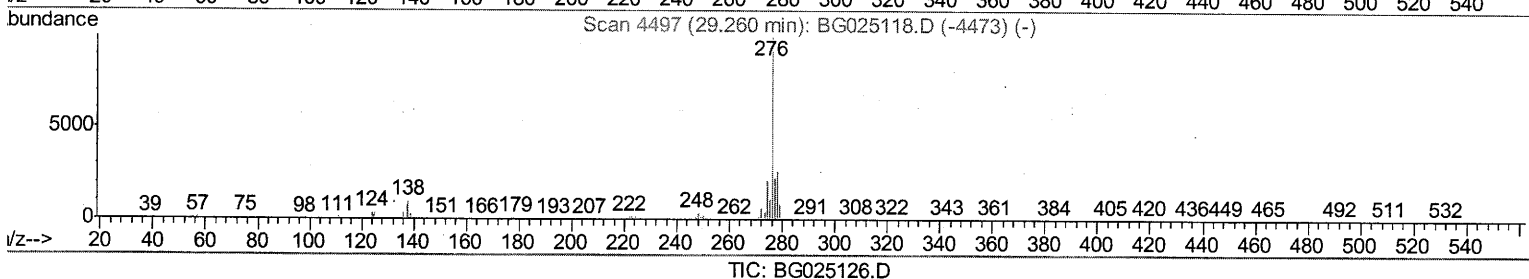
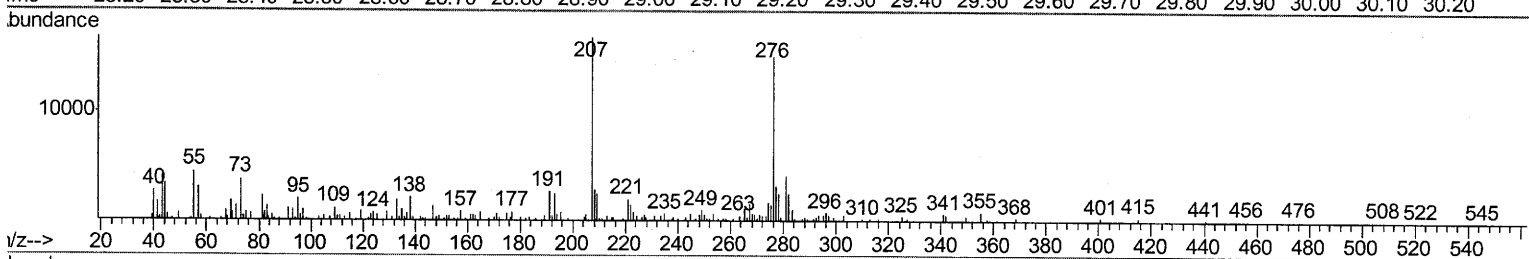
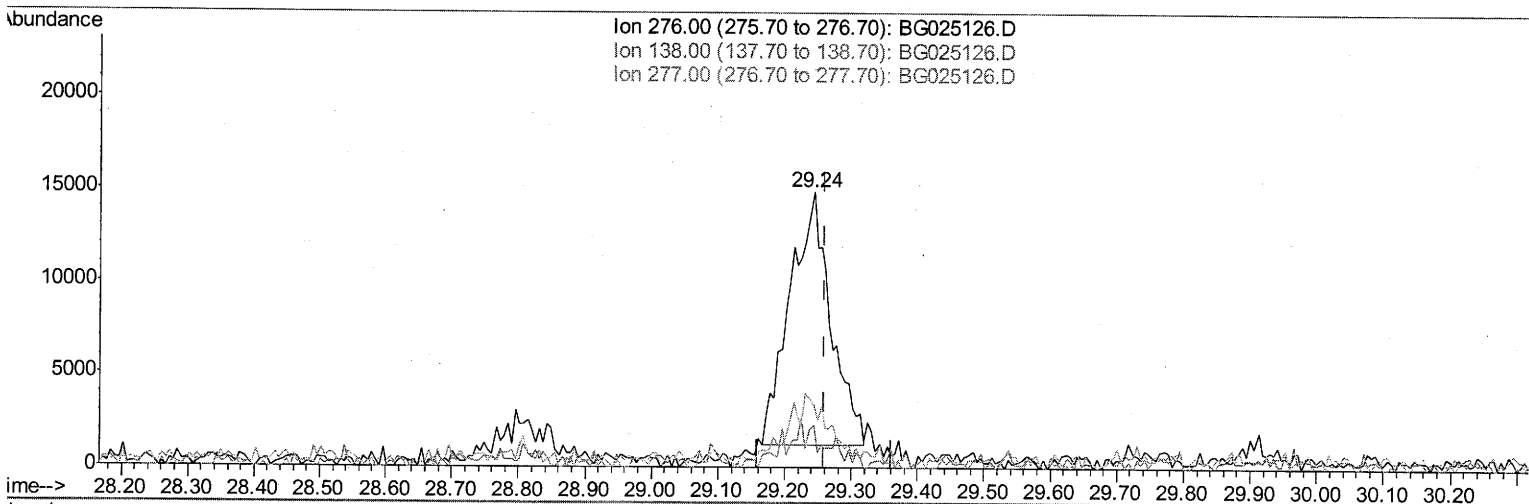
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
Data File : BG025126.D
Acq On : 12 Dec 2016 22:42
Operator : UM/SJ
Sample : H5990-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P006-SS005-0106-04

Manual Integrations
APPROVED

sohil
12/13/2016 6:07:06 PM

Quant Time: Dec 13 01:04:01 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 01:00:05 2016
Response via : Initial Calibration



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

29.242min (-0.018) 1.06ng/ul

response 57966

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	15.37#
277.00	23.30	22.56
0.00	0.00	0.00

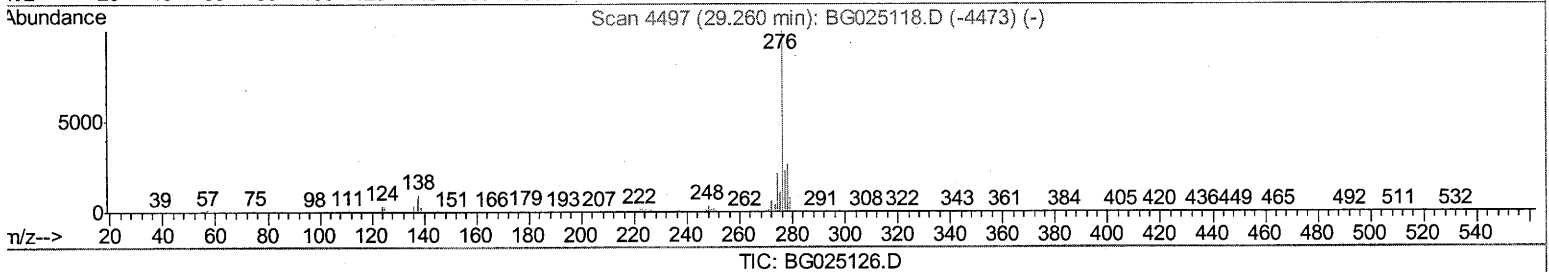
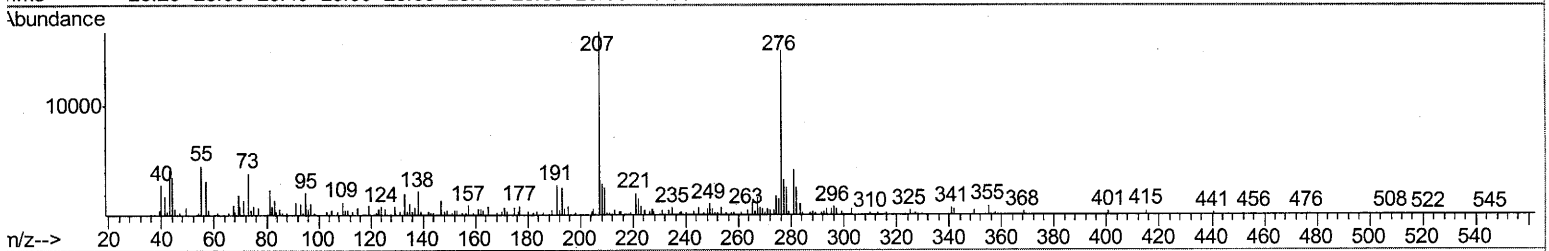
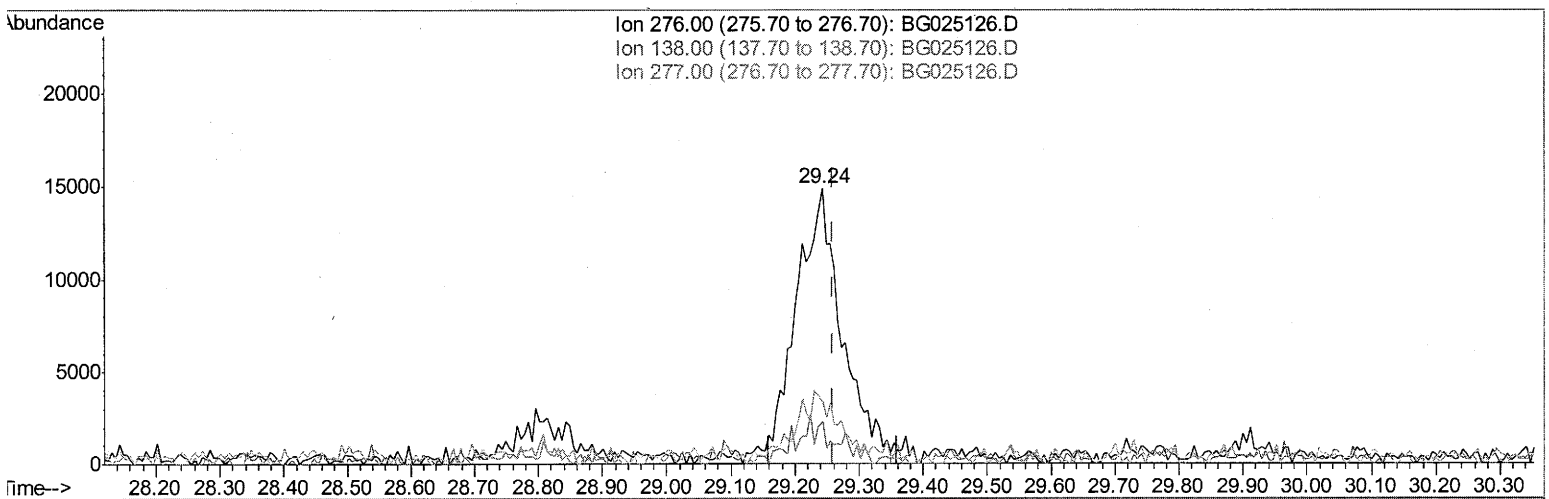
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
Data File : BG025126.D
Acq On : 12 Dec 2016 22:42
Operator : UM/SJ
Sample : H5990-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
P006-SS005-0106-04

Manual Integrations
APPROVED

sohil
12/13/2016 6:07:06 PM

Quant Time: Dec 13 01:04:01 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 01:00:05 2016
Response via : Initial Calibration



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

29.242min (-0.018) 1.35ng/ul m

response 74156

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	15.37#
277.00	23.30	22.56
0.00	0.00	0.00

UM
12/13/16

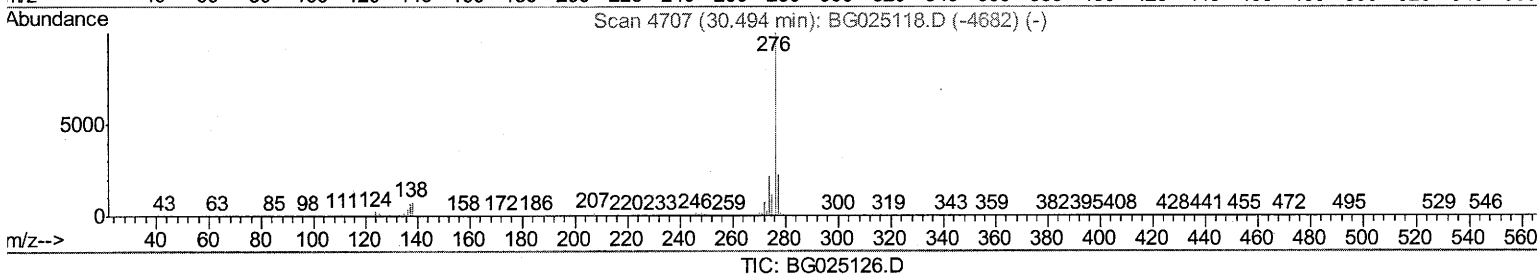
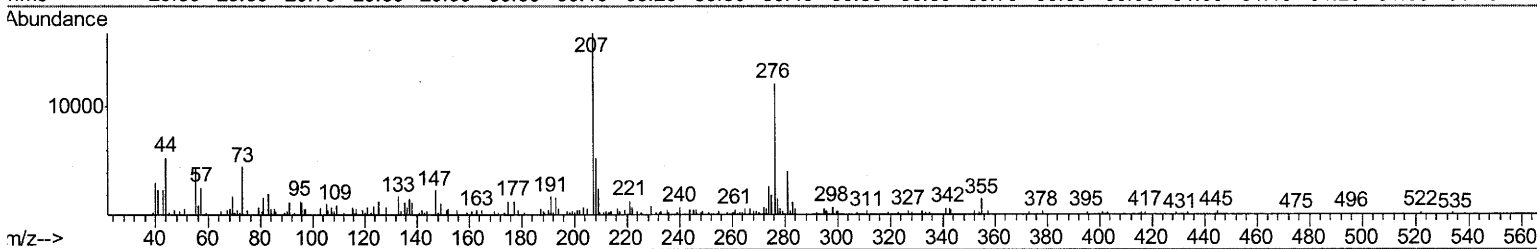
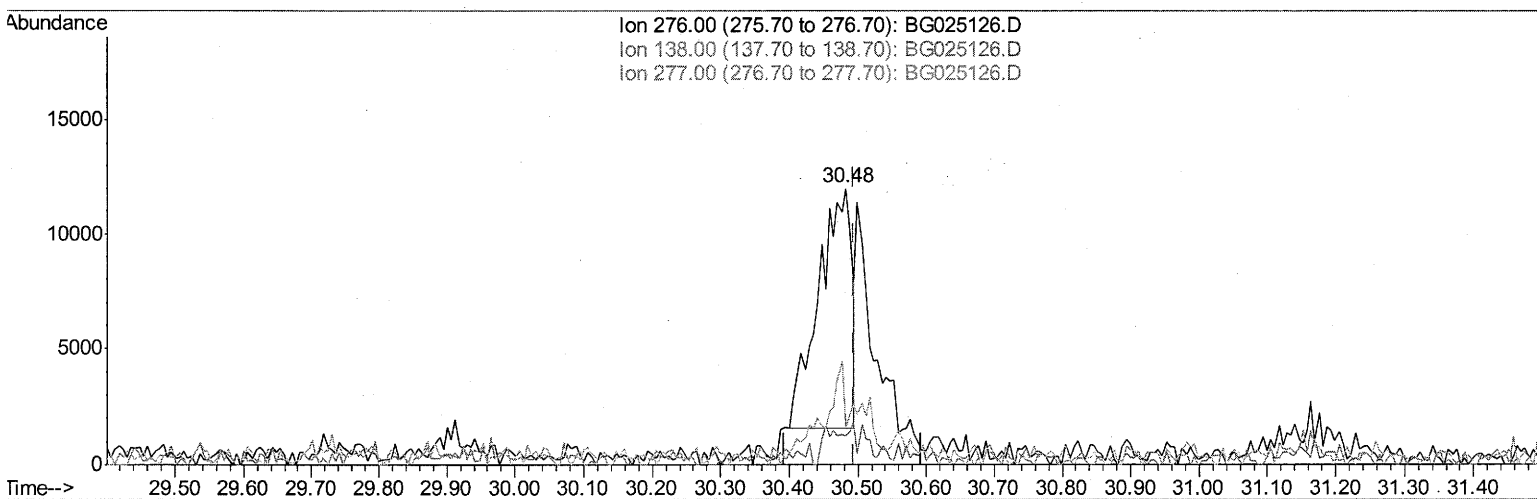
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
Data File : BG025126.D
Acq On : 12 Dec 2016 22:42
Operator : UM/SJ
Sample : H5990-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
P006-SS005-0106-04

Manual Integrations
APPROVED

sohil
12/13/2016 6:07:06 PM

Quant Time: Dec 13 01:28:39 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 01:00:05 2016
Response via : Initial Calibration



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

30.482min (-0.012) 0.76ng/ul

response 34588

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	10.48
277.00	22.00	13.37#
0.00	0.00	0.00

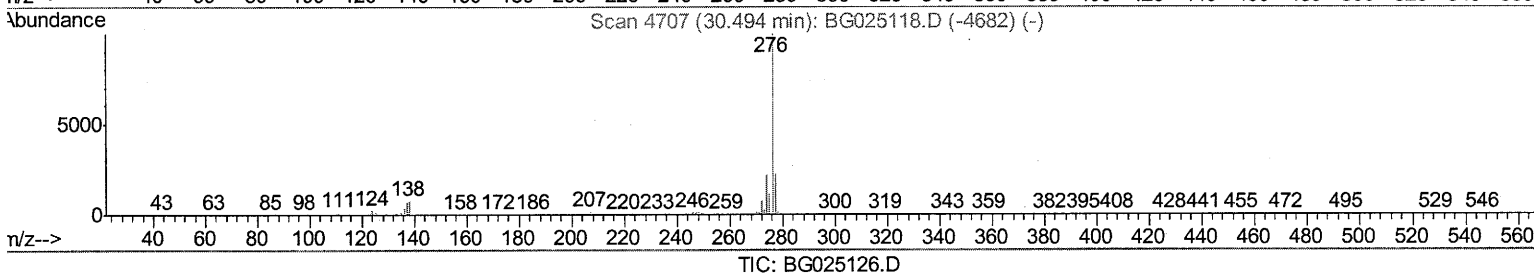
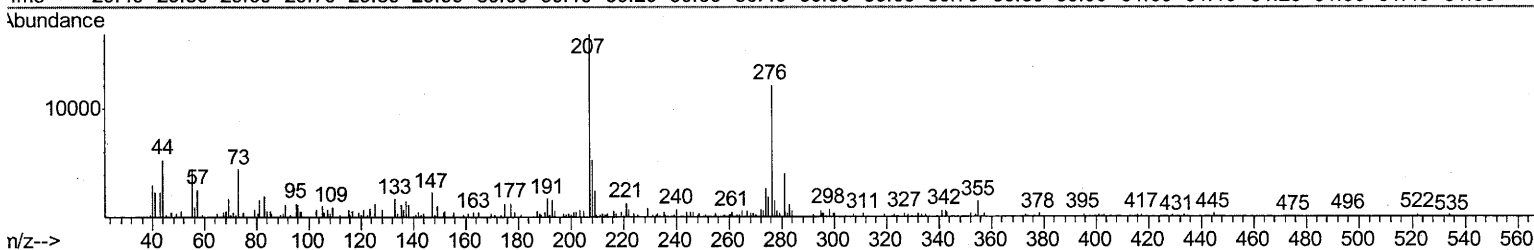
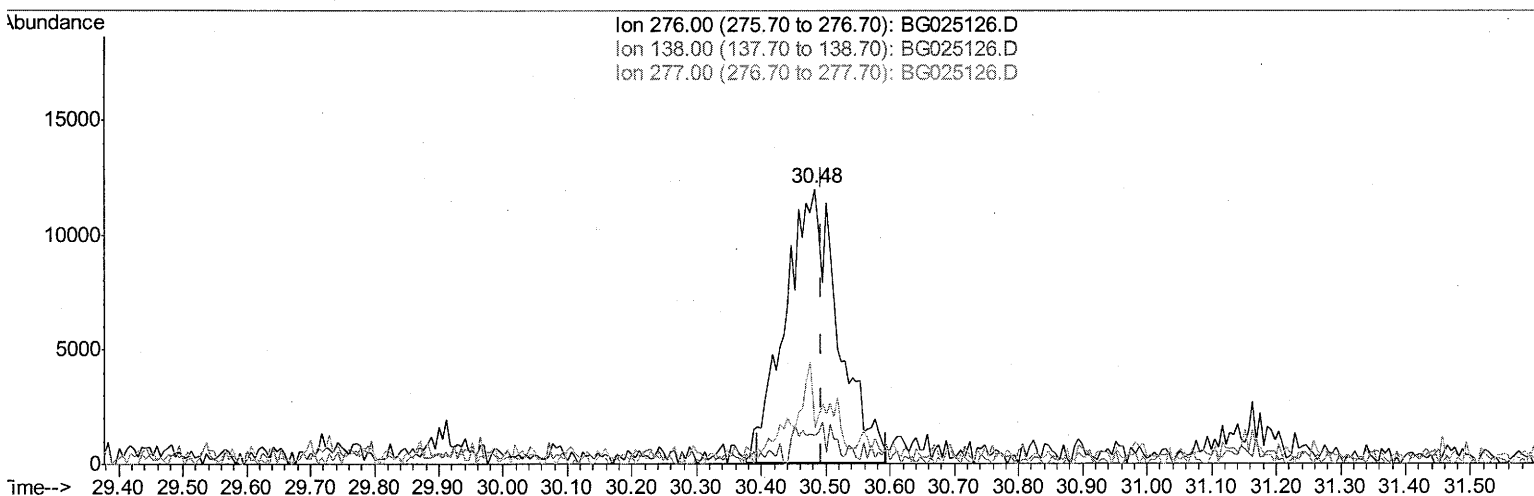
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
Data File : BG025126.D
Acq On : 12 Dec 2016 22:42
Operator : UM/SJ
Sample : H5990-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleID :
P006-SS005-0106-04

Manual Integrations
APPROVED

sohil
12/13/2016 6:07:06 PM

Quant Time: Dec 13 01:28:39 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 01:00:05 2016
Response via : Initial Calibration



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

30.482min (-0.012) 1.49ng/ul m

response 67952

Ion	Exp%	Act%
276.00	100	100
138.00	10.70	10.48
277.00	22.00	13.37#
0.00	0.00	0.00

UM

12/13/16

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
 Data File : BG025126.D
 Acq On : 12 Dec 2016 22:42
 Operator : UM/SJ
 Sample : H5990-15
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P006-SS005-0106-04

Manual Integrations
 APPROVED

sohil
 12/13/2016 6:07:06 PM

Quant Time: Dec 13 01:29:35 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 13 01:00:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	103271	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	486368	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	376101	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	803627	20.00	ng/ul	0.00
75) Chrysene-d12	21.89	240	923197	20.00	ng/ul	0.00
83) Perylene-d12	25.32	264	923760	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	5518	2.76	ng/uL	0.00
5) Phenol-d5	7.38	99	178269	20.01	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.56	67	109183	19.81	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	123255	19.78	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	157877	21.20	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	63073	18.31	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	78504	18.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	156507	18.95	ng/ul	0.00
29) 4-Chloroaniline-d4	11.20	131	163246	20.12	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	505788	19.55	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	584336	20.62	ng/ul	0.00
51) 4-Nitrophenol-d4	15.06	143	71004	15.97	ng/ul	0.00
57) Fluorene-d10	15.85	176	474260	19.48	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.96	200	83367	16.78	ng/ul	0.00
70) Anthracene-d10	17.70	188	717583	21.16	ng/ul	0.00
76) Pyrene-d10	19.98	212	824054	21.67	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.08	264	832448	22.24	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	7.41	94	31471	3.44 ng/ul#	94
44) Dimethylphthalate	14.30	163	64826	2.55 ng/ul#	95
69) Phenanthrene	17.64	178	52476	1.37 ng/ul	96
74) Fluoranthene	19.64	202	166203	3.65 ng/ul#	95
77) Pyrene	20.00	202	139916	3.15 ng/ul	98
80) Benzo(a)anthracene	21.87	228	80651	1.68 ng/ul	96
82) Chrysene	21.95	228	97301	2.17 ng/ul	95
85) Benzo(b)fluoranthene	24.22	252	128052	2.80 ng/ul#	99
88) Benzo(a)pyrene	25.15	252	78542	1.78 ng/ul#	91
89) Indeno(1,2,3-cd)pyrene	29.24	276	74156m	1.35 ng/ul	
91) Benzo(g,h,i)perylene	30.48	276	67952m	1.49 ng/ul	

Sum 12/13/16

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

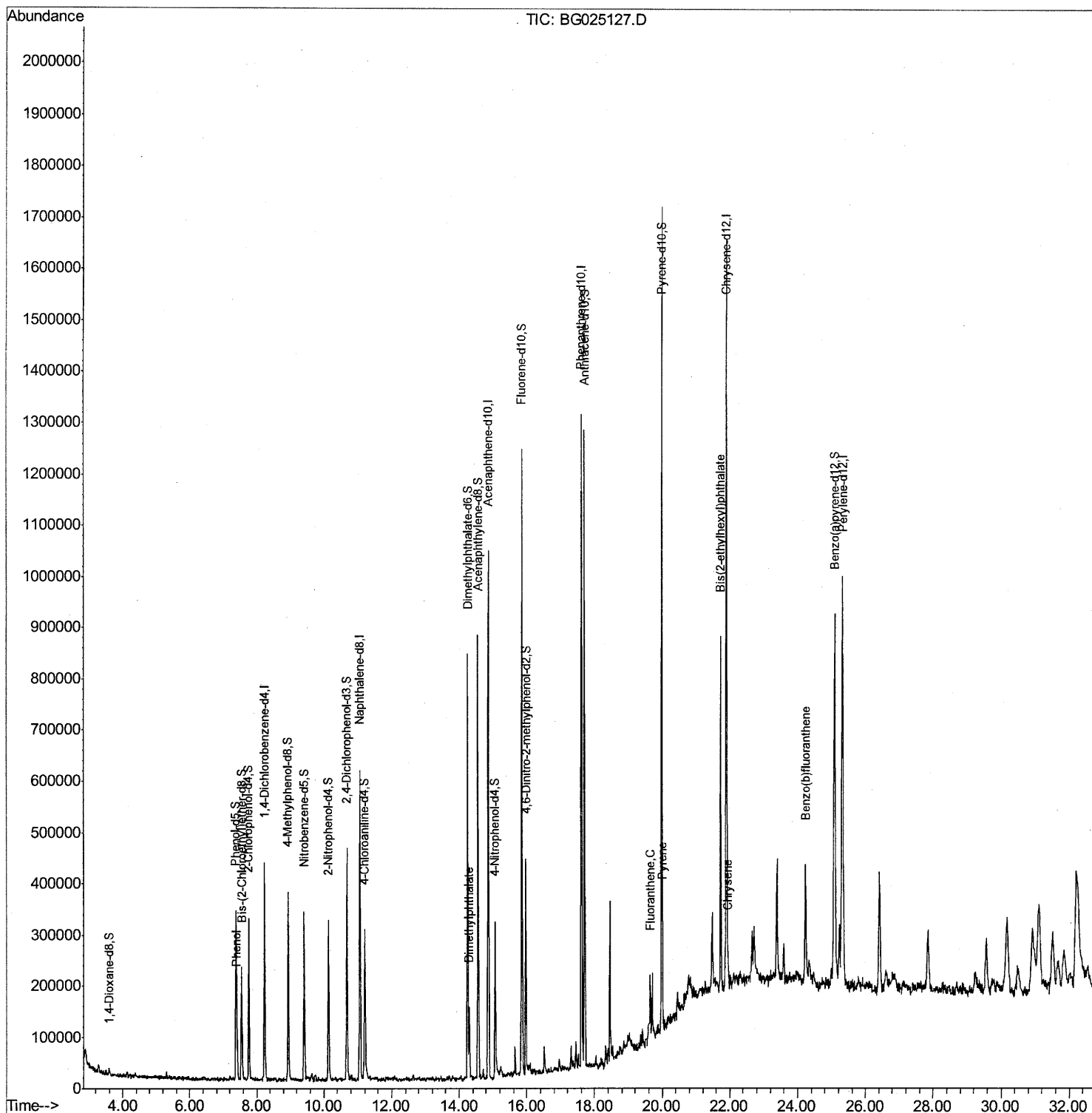
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
Data File : BG025127.D
Acq On : 12 Dec 2016 23:21
Operator : UM/SJ
Sample : H5990-16
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
Client Sample ID :
P006-SS005-0106-04

Manual Integrations
APPROVED

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12/13/2016 6:07:06 PM

Quant Time: Dec 13 01:33:25 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 01:00:05 2016
Response via : Initial Calibration



Quantitation Report (Qedit)

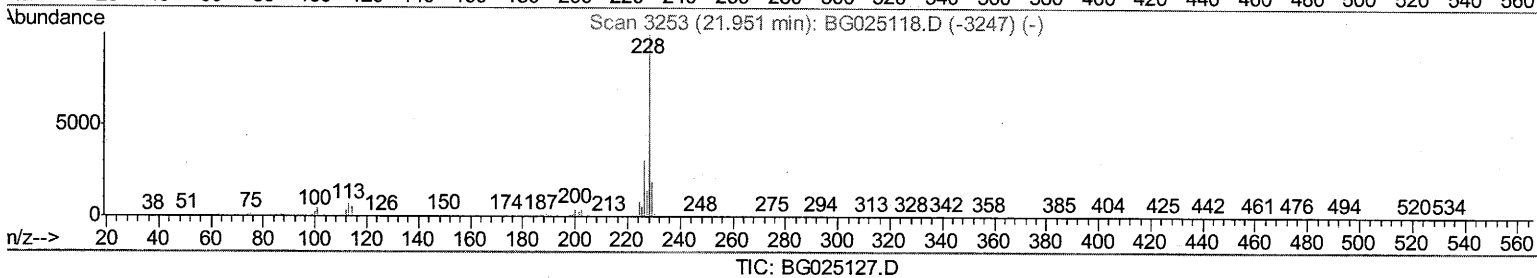
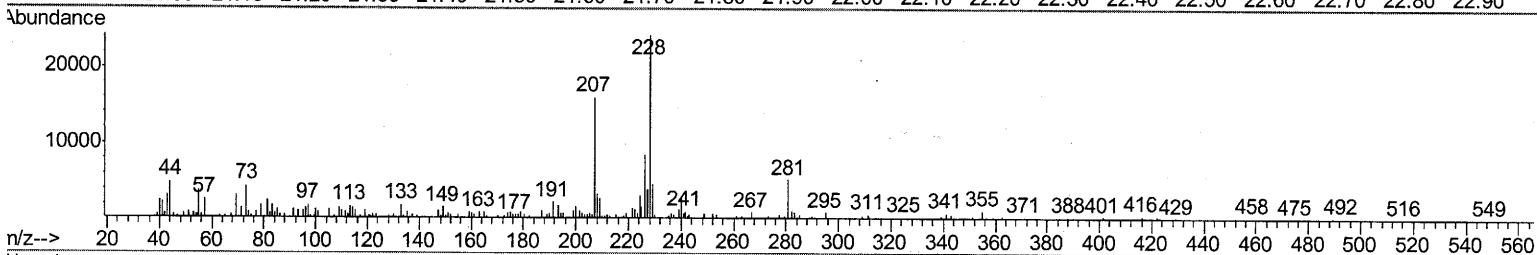
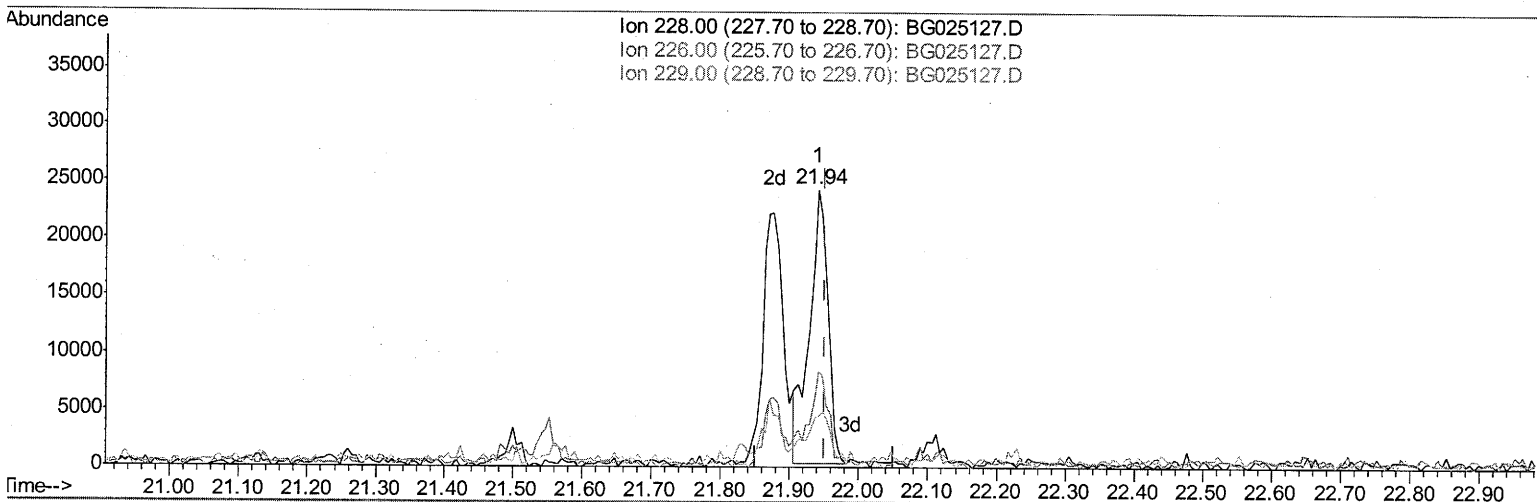
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
 Data File : BG025127.D
 Acq On : 12 Dec 2016 23:21
 Operator : UM/SJ
 Sample : H5990-16
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P006-SS005-0106-04

Manual Integrations
 APPROVED

sohil
 12/13/2016 6:07:06 PM

Quant Time: Dec 13 01:04:11 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 13 01:00:05 2016
 Response via : Initial Calibration



TIC: BG025127.D

(82) Chrysene

21.941min (-0.010) 0.98ng/ul

response 45074

Ion	Exp%	Act%
228.00	100	100
226.00	30.00	34.72
229.00	21.10	18.84
0.00	0.00	0.00

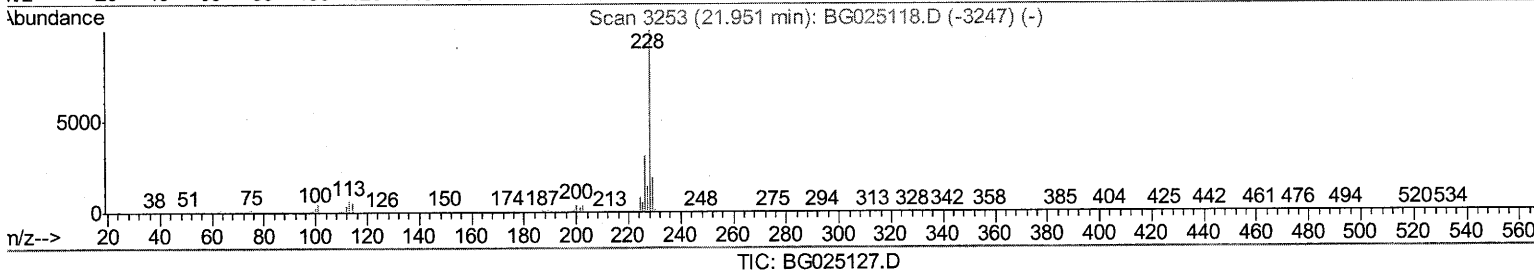
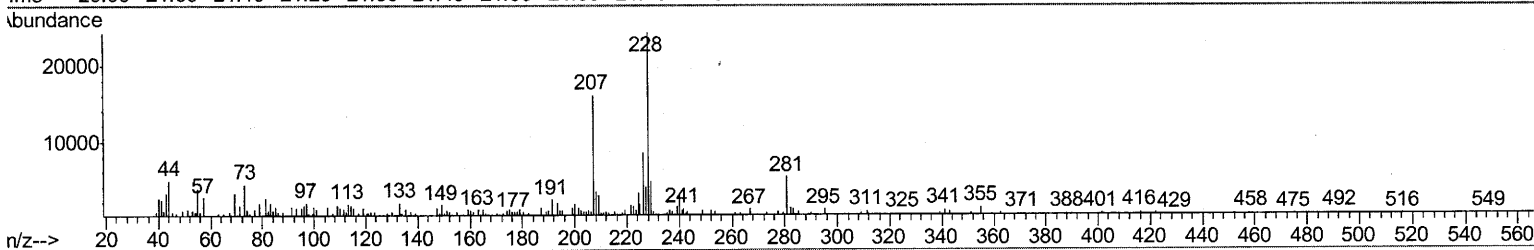
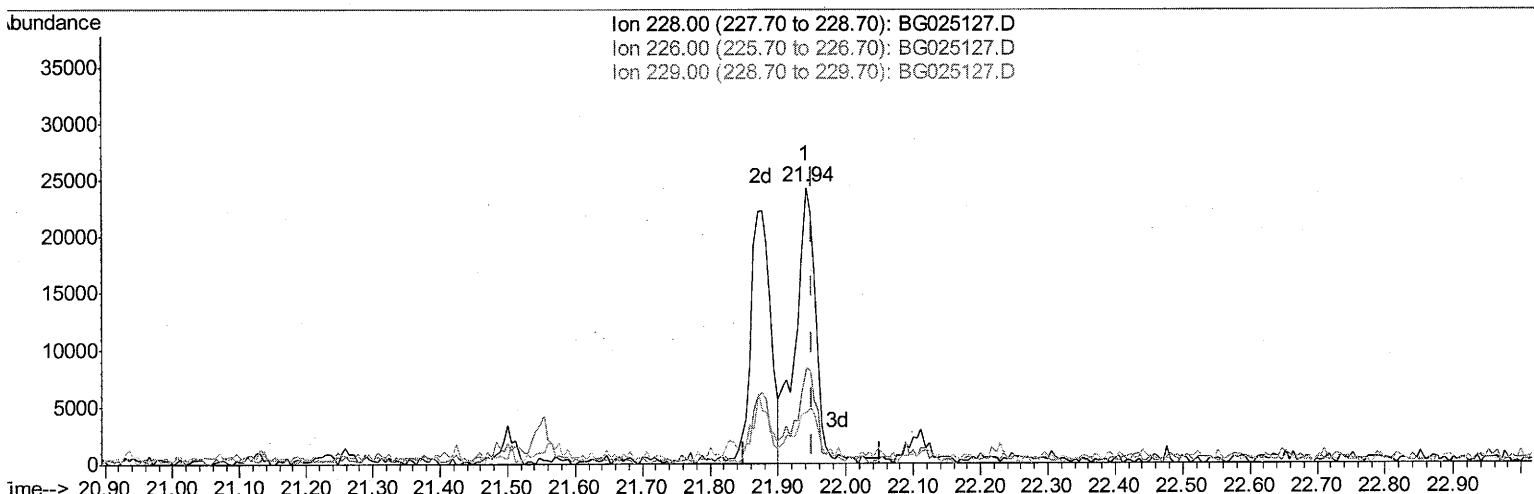
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
Data File : BG025127.D
Acq On : 12 Dec 2016 23:21
Operator : UM/SJ
Sample : H5990-16
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
P006-SS005-0106-04

Manual Integrations
APPROVED

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12/13/2016 6:07:06 PM

Quant Time: Dec 13 01:04:11 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 01:00:05 2016
Response via : Initial Calibration



(82) Chrysene

21.941min (-0.010) 1.09ng/ul m

response 49797

Ion	Exp%	Act%
228.00	100	100
226.00	30.00	34.72
229.00	21.10	18.84
0.00	0.00	0.00

um

12/13/16

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
 Data File : BG025127.D
 Acq On : 12 Dec 2016 23:21
 Operator : UM/SJ
 Sample : H5990-16
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P006-SS005-0106-04

Manual Integrations
 APPROVED

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 12/13/2016 6:07:06 PM

Quant Time: Dec 13 01:33:25 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	105830	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	490631	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	379045	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	818514	20.00	ng/ul	0.00
75) Chrysene-d12	21.89	240	941926	20.00	ng/ul	0.00
83) Perylene-d12	25.31	264	950551	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	6623	3.23	ng/uL	0.00
5) Phenol-d5	7.39	99	187568	20.54	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	118176	20.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	131516	20.60	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	150099	19.67	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	69515	20.01	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	87620	20.23	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	165845	19.91	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	144626	17.67	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	532440	20.42	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	618706	21.66	ng/ul	0.00
51) 4-Nitrophenol-d4	15.06	143	78069	17.42	ng/ul	0.00
57) Fluorene-d10	15.84	176	519204	21.16	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	92730	18.32	ng/ul	0.00
70) Anthracene-d10	17.70	188	728062	21.07	ng/ul	0.00
76) Pyrene-d10	19.97	212	885429	22.82	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.08	264	877039	22.77	ng/ul	0.00

Target Compounds

					Qvalue
6) Phenol	7.41	94	35201	3.76 ng/ul	95
44) Dimethylphthalate	14.30	163	82491	3.22 ng/ul#	99
74) Fluoranthene	19.64	202	85243	1.84 ng/ul	99
77) Pyrene	20.00	202	76881	1.70 ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.72	149	264646	10.85 ng/ul	95
82) Chrysene	21.94	228	49797m	1.09 ng/ul	
85) Benzo(b)fluoranthene	24.22	252	67552	1.43 ng/ul#	94

um 12/13/16

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