

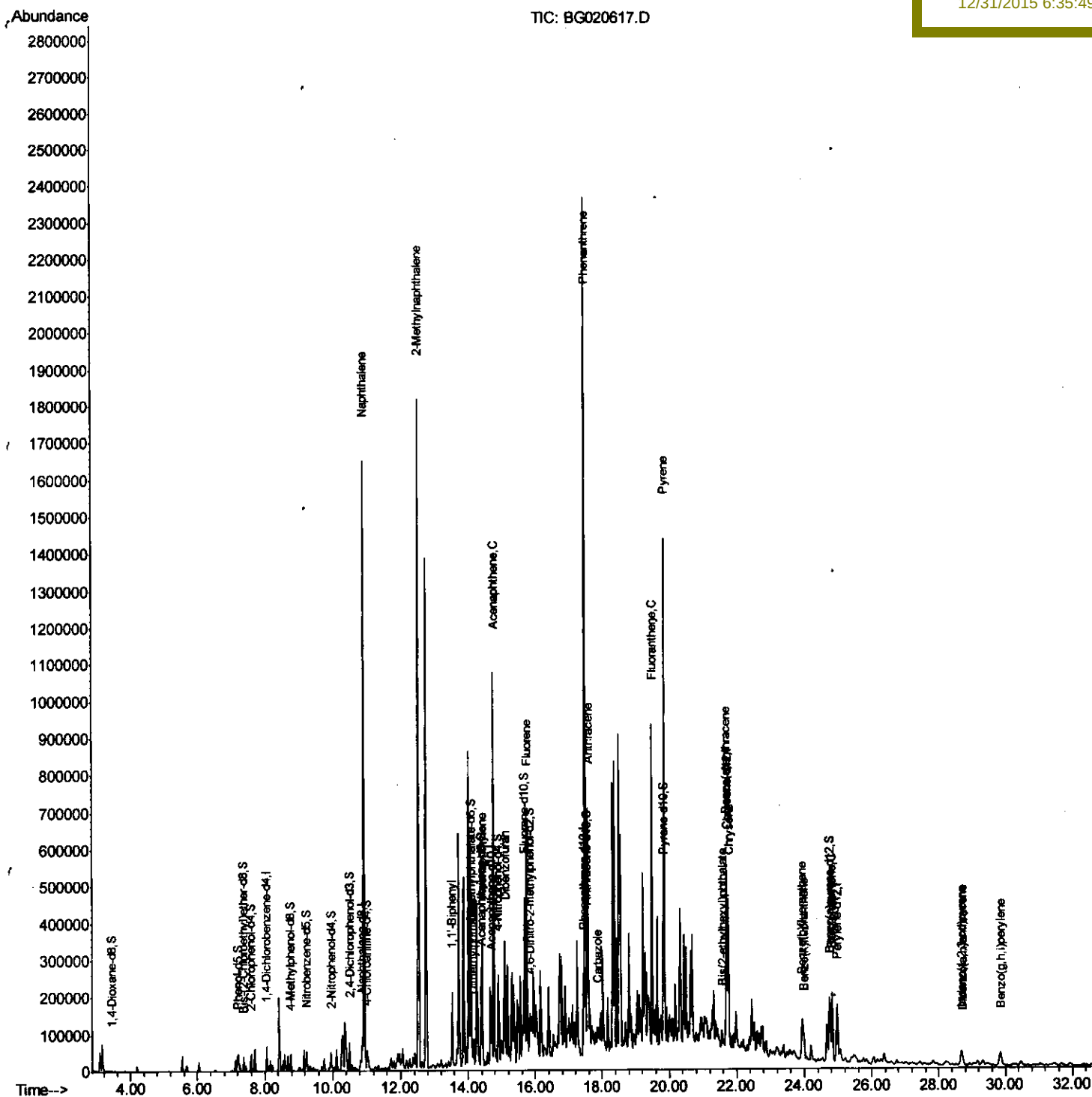
Data Path : Z:\HPCHEM1\BNA_G\Data\BG123015\
Data File : BG020617.D
Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 31 02:57:51 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 31 01:03:28 2015
Response via : Initial Calibration

Instrument :
BNA_G
Client Sampled :
G9D88ME

Manual Integrations
APPROVED

Sohil
12/31/2015 6:35:49 PM



Quantitation Report (Qedit)

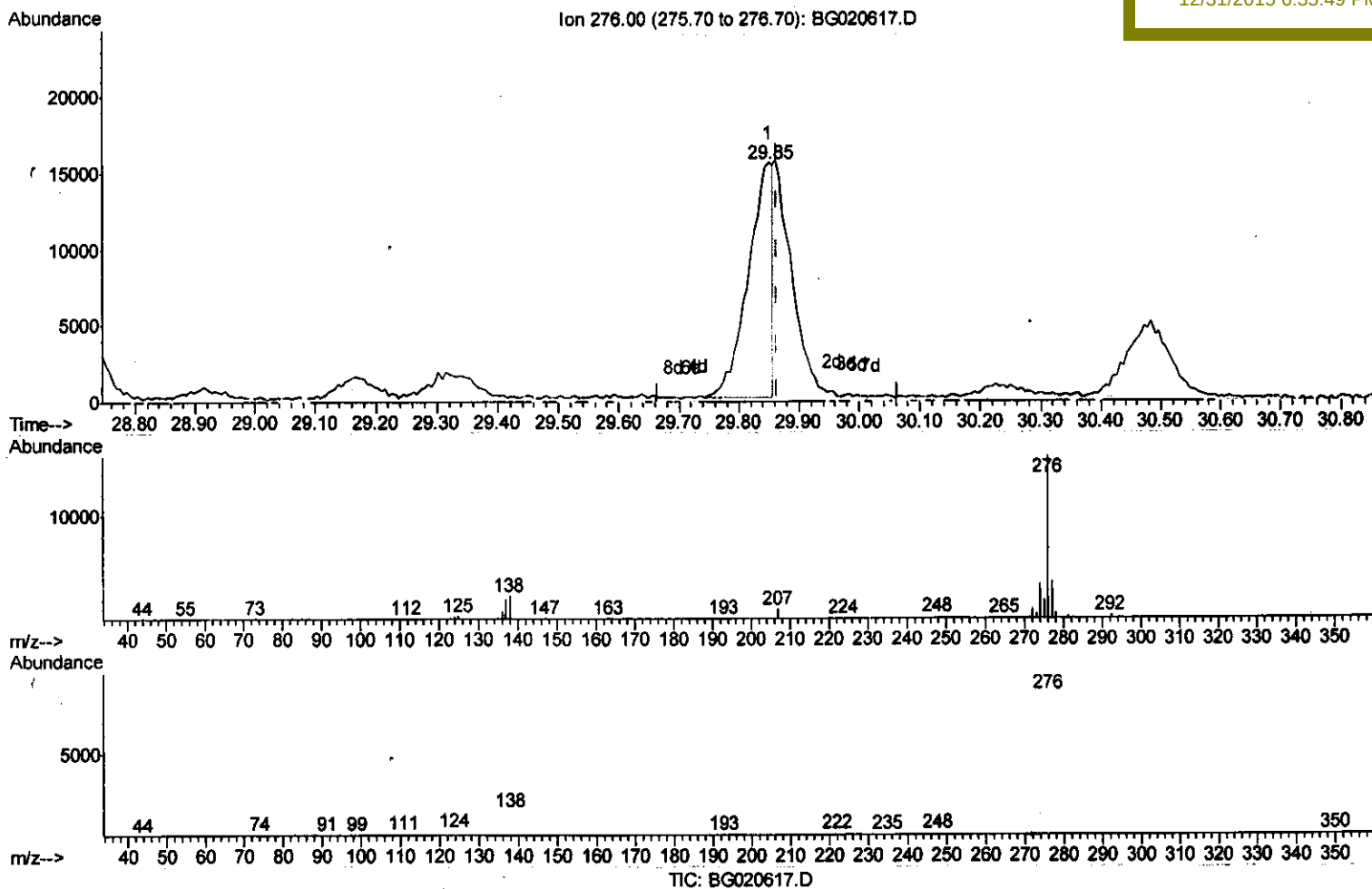
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Instrument :
BNA_G
ClientSampleId :
G9D88ME

Manual Integrations
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(94) Benzo(g,h,i)perylene

29.850min (-0.015) 4.39ng/ui

response 42659

Ion	Exp%	Act%
276.00	100	100
138.00	14.00	14.90
277.00	23.80	23.47
0.00	0.00	0.00

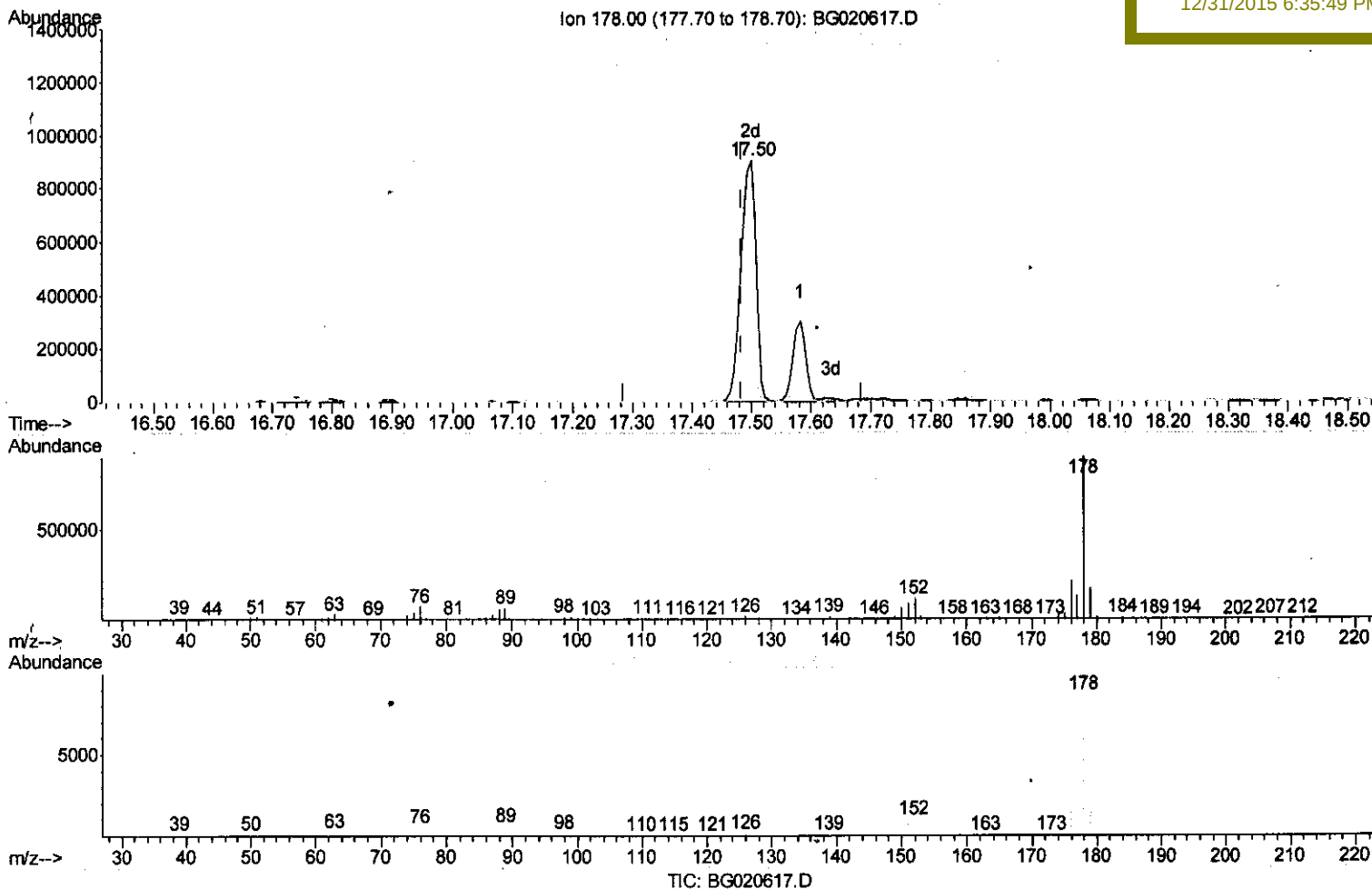
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(70) Phenanthrene

17.499min (+0.014) 200.03ng/ul m U.M

response 1581317

71 216

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	19.14#
176.00	19.20	23.22#
0.00	0.00	0.00

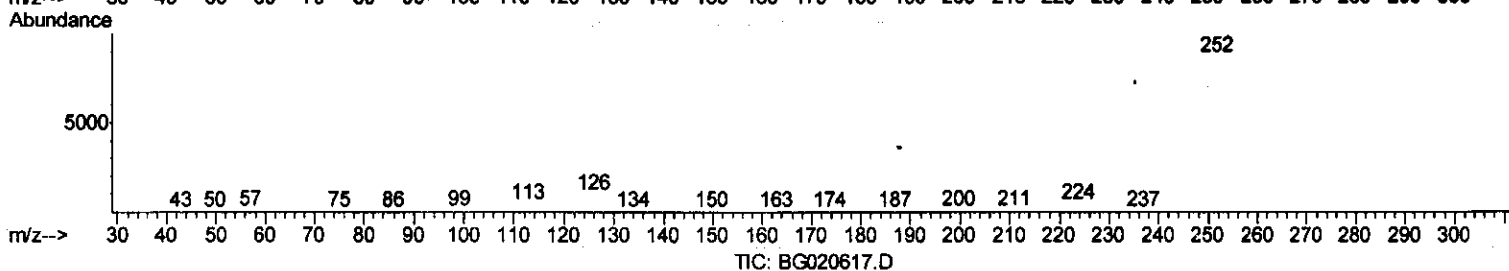
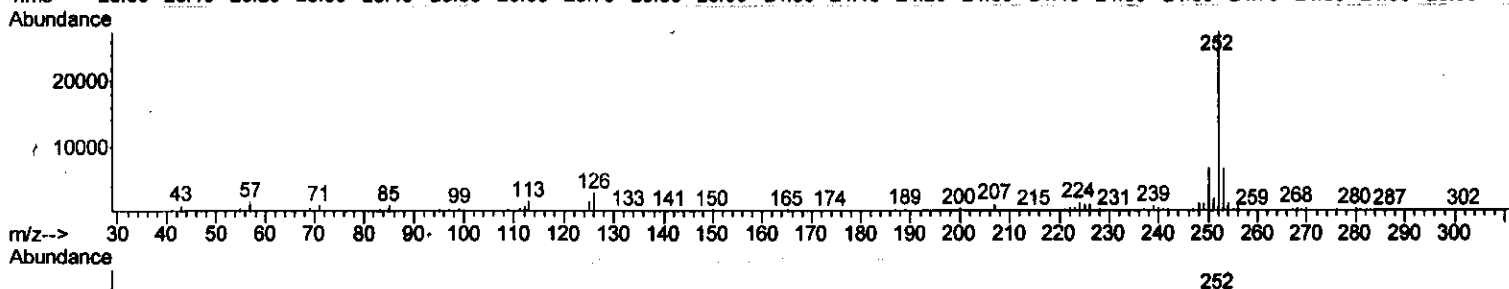
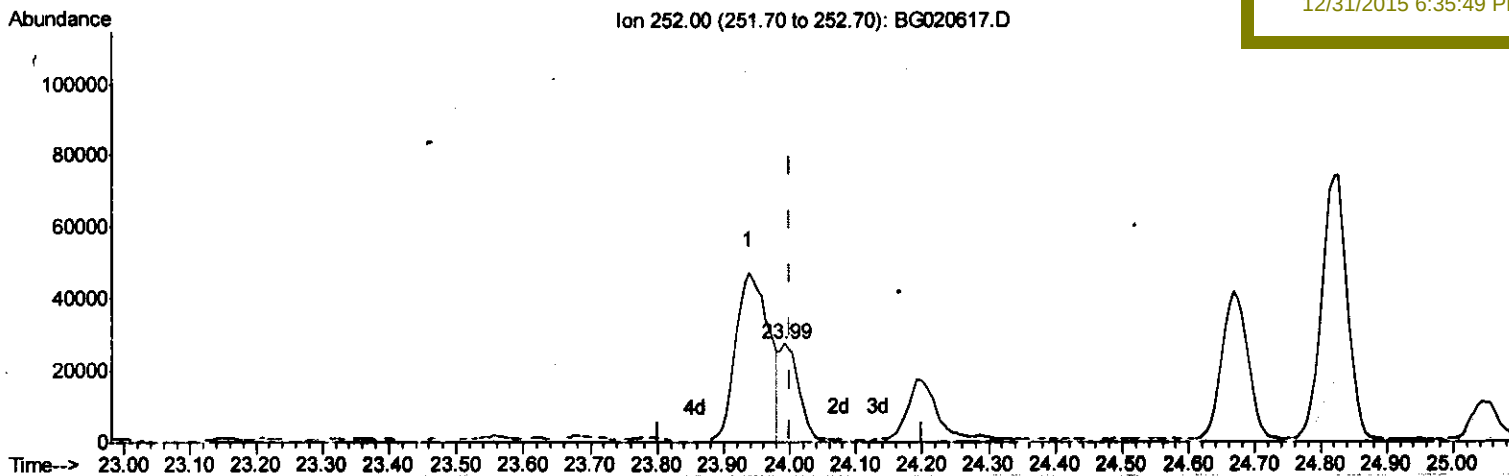
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ClientSampleId :
G9D88ME

Manual Integrations
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(89) Benzo(k)fluoranthene

23.992min (-0.009) 5.87ng/ui m U.M

response 58072

112116

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	23.81
125.00	6.70	6.34
0.00	0.00	0.00

Quantitation Report (Qedit)

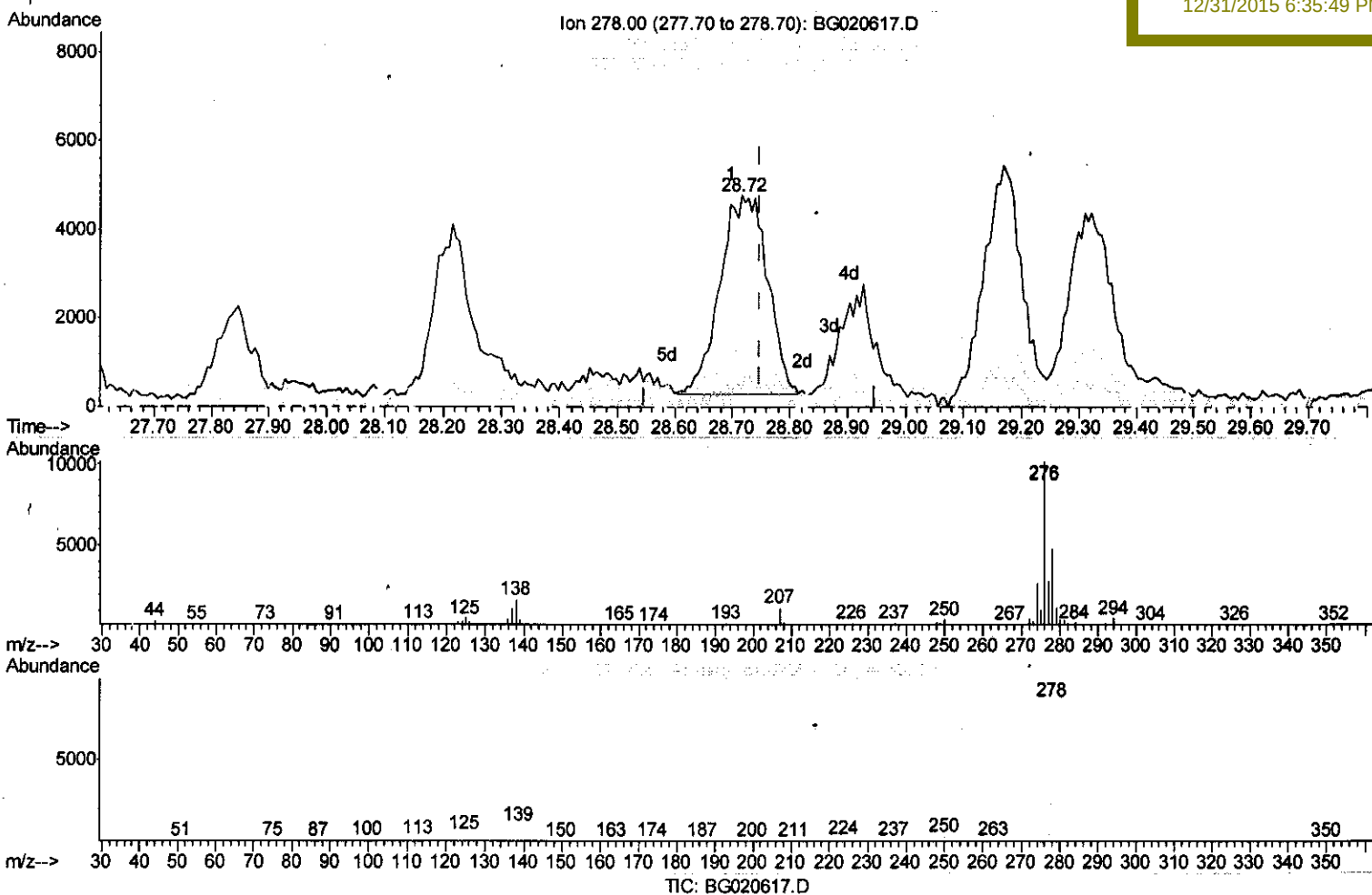
Data Path : Z:\HPCHEM1\BNA_G\Data\BG123015\
 Data File : BG020617.D
 Acq On : 30 Dec 2015 20:29
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 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
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 G9D88ME

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Manual Integrations
 APPROVED

Sohil
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(93) Dibenzo(a,h)anthracene

28.716min (-0.033) 2.59ng/ul m

response 25534

U.M
 11216

Ion	Exp%	Act%
278.00	100	100
139.00	11.20	8.61#
279.00	23.90	25.18
0.00	0.00	0.00

Quantitation Report (Qedit)

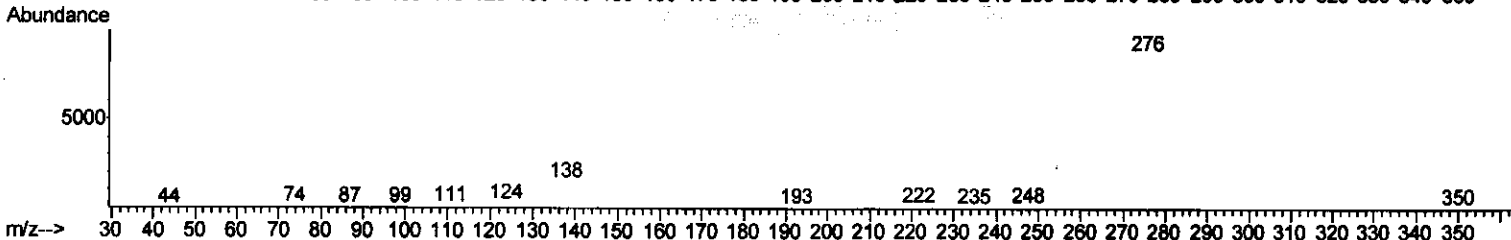
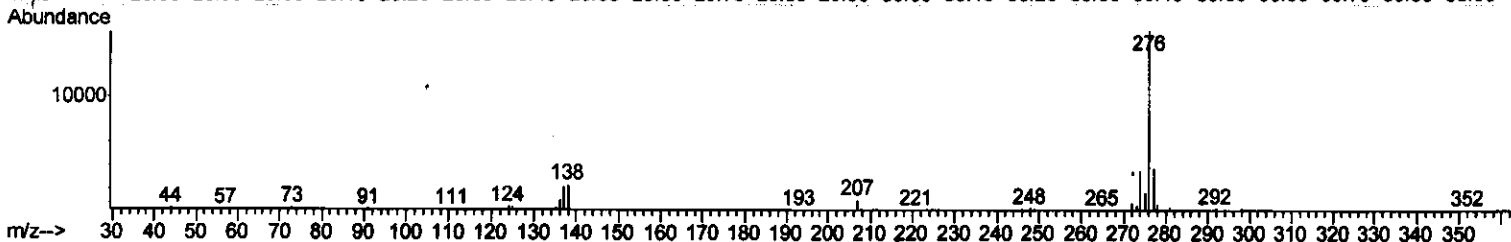
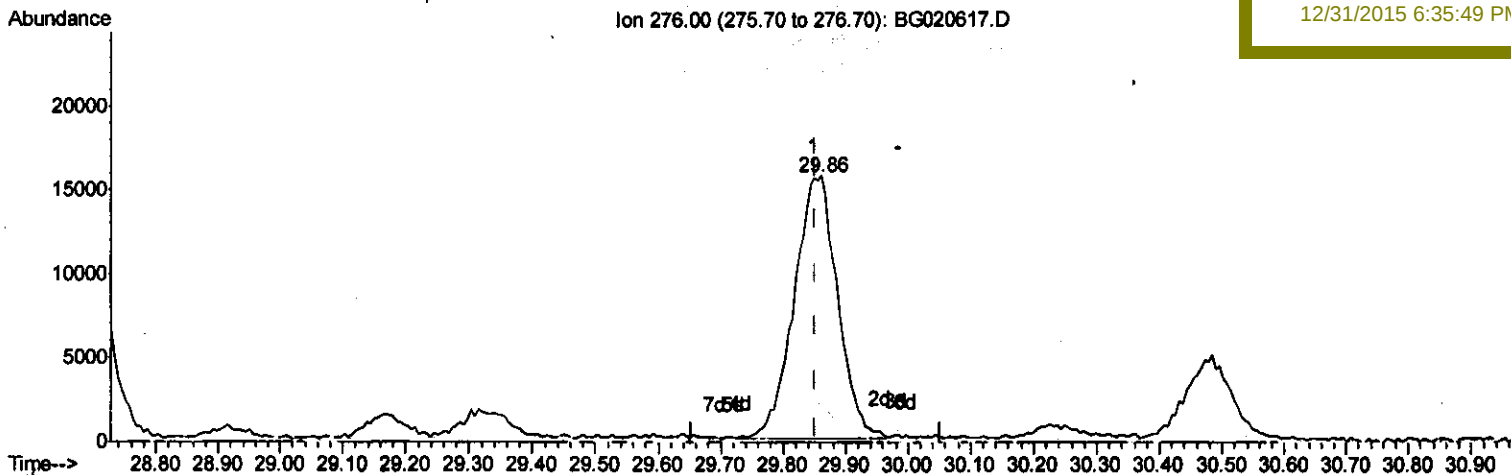
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 Operator : UM/SJ
 Sample : G4802-13ME
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

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Instrument :
 BNA_G
 ClientSampleId :
 G9D88ME

Manual Integrations
 APPROVED

Sohil
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TIC: BG020617.D

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

29.861min (+0.008) 7.75ng/ul m

response 75342

U.M
 11/2/16

Ion	Exp%	Act%
276.00	100	100
138.00	14.00	14.87
277.00	23.80	23.90
0.00	0.00	0.00

Quantitation Report (Qedit)

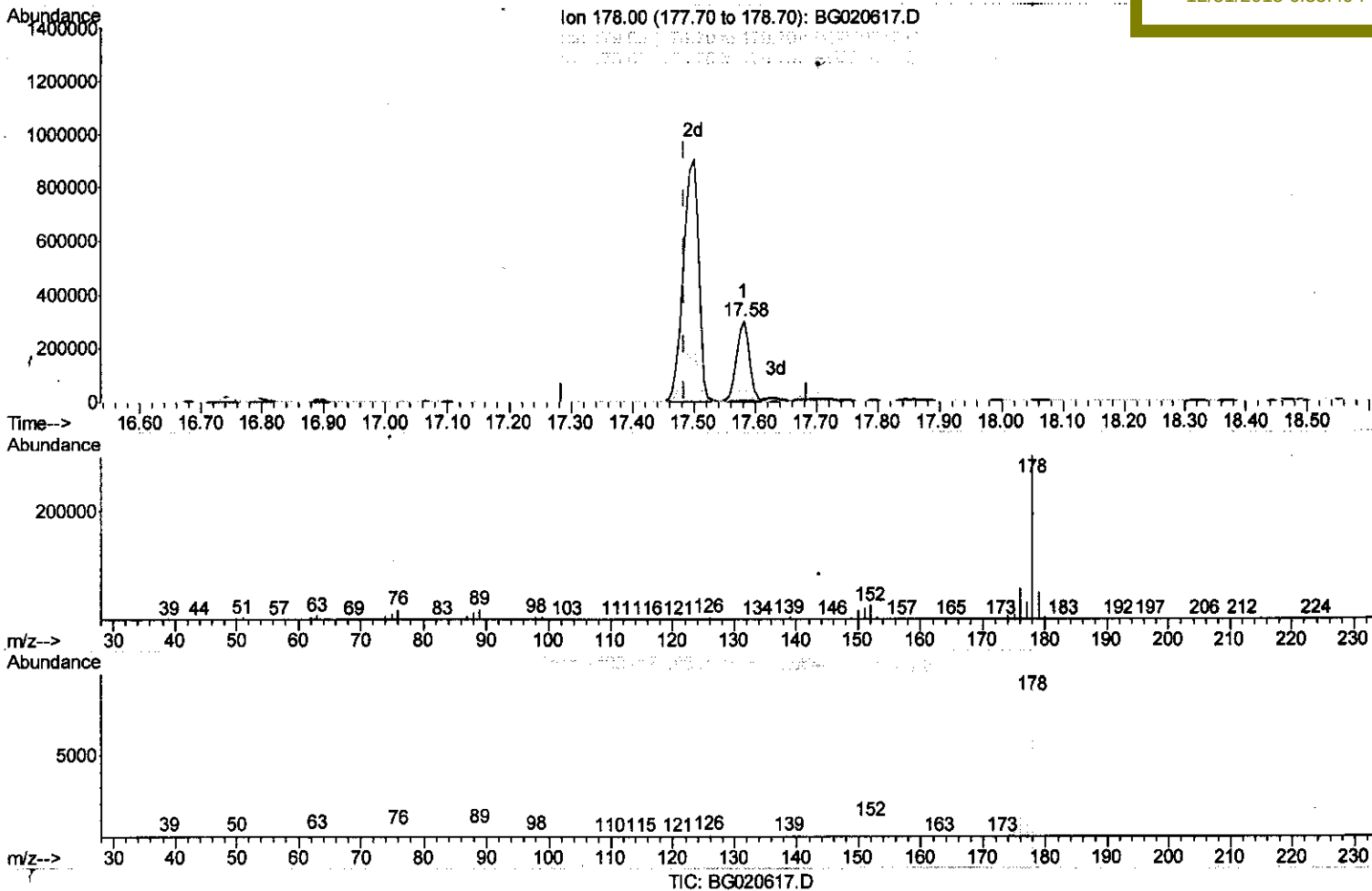
Data Path : Z:\HPCHEM1\BNA_G\Data\BG123015\
 Data File : BG020617.D
 Acq On : 30 Dec 2015 20:29
 Operator : UM/SJ
 Sample : G4802-13ME
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 G9D88ME

Quant Time: Jan 02 00:51:35 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
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Manual Integrations
 APPROVED

Sohil
 12/31/2015 6:35:49 PM



(70) Phenanthrene

17.582min (+0.097) 55.20ng/ul

response 436363

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	16.64
176.00	19.20	19.28
0.00	0.00	0.00

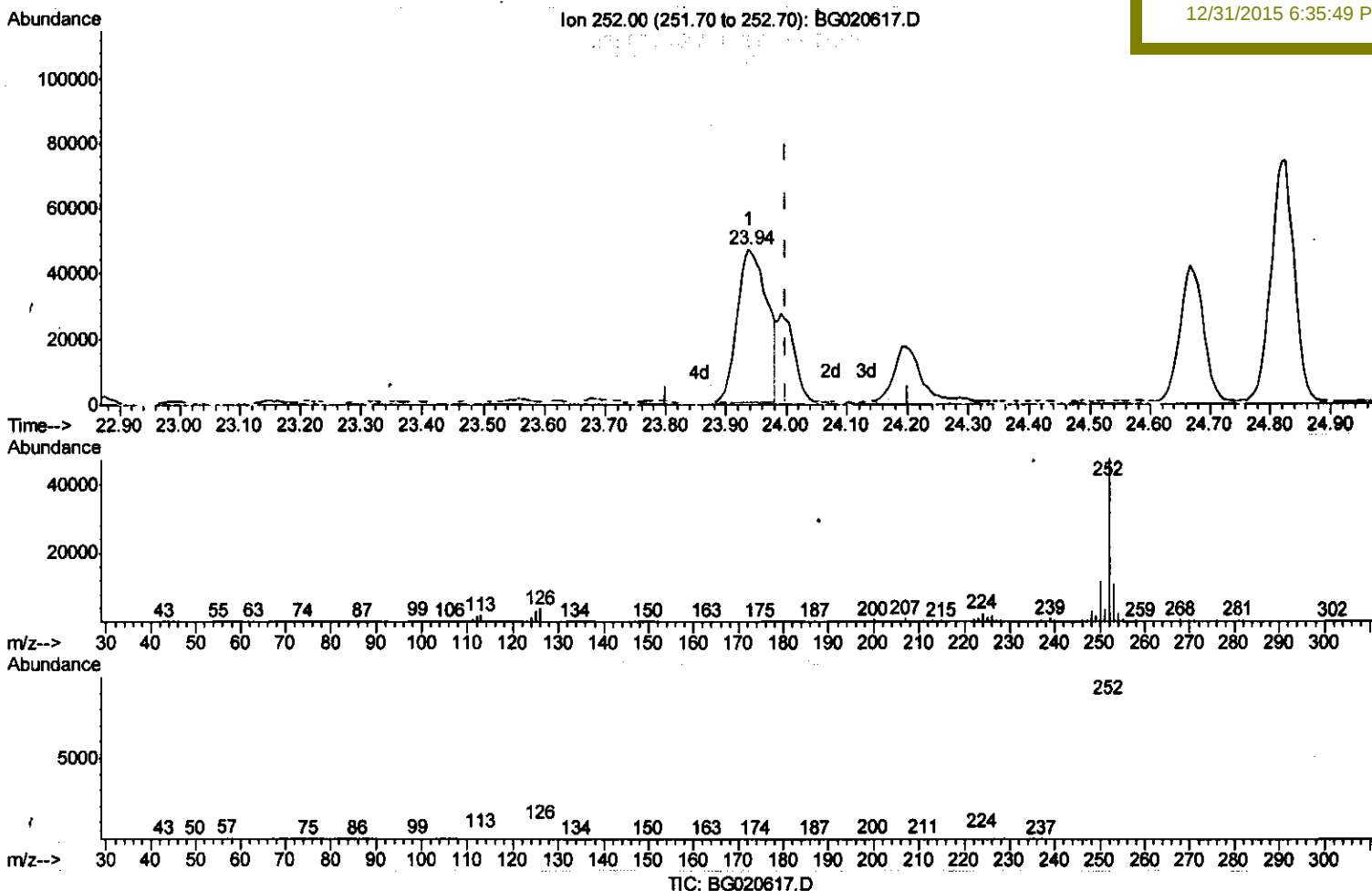
Data Path : Z:\HPCHEM1\BNA_G\Data\BG123015\
Data File : BG020617.D
Acq On : 30 Dec 2015 20:29
Operator : UM/SJ
Sample : G4802-13ME
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jan 02 00:51:35 2016
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Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 01 03:15:46 2016
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Instrument :
BNA_G
ClientSampleId :
G9D88ME

Manual Integrations
APPROVED

Sohil
12/31/2015 6:35:49 PM



(89) Benzo(k)fluoranthene

23.939min (-0.062) 16.23ng/ul

response 160717

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	23.07
125.00	6.70	7.31
0.00	0.00	0.00

Quantitation Report (Qedit)

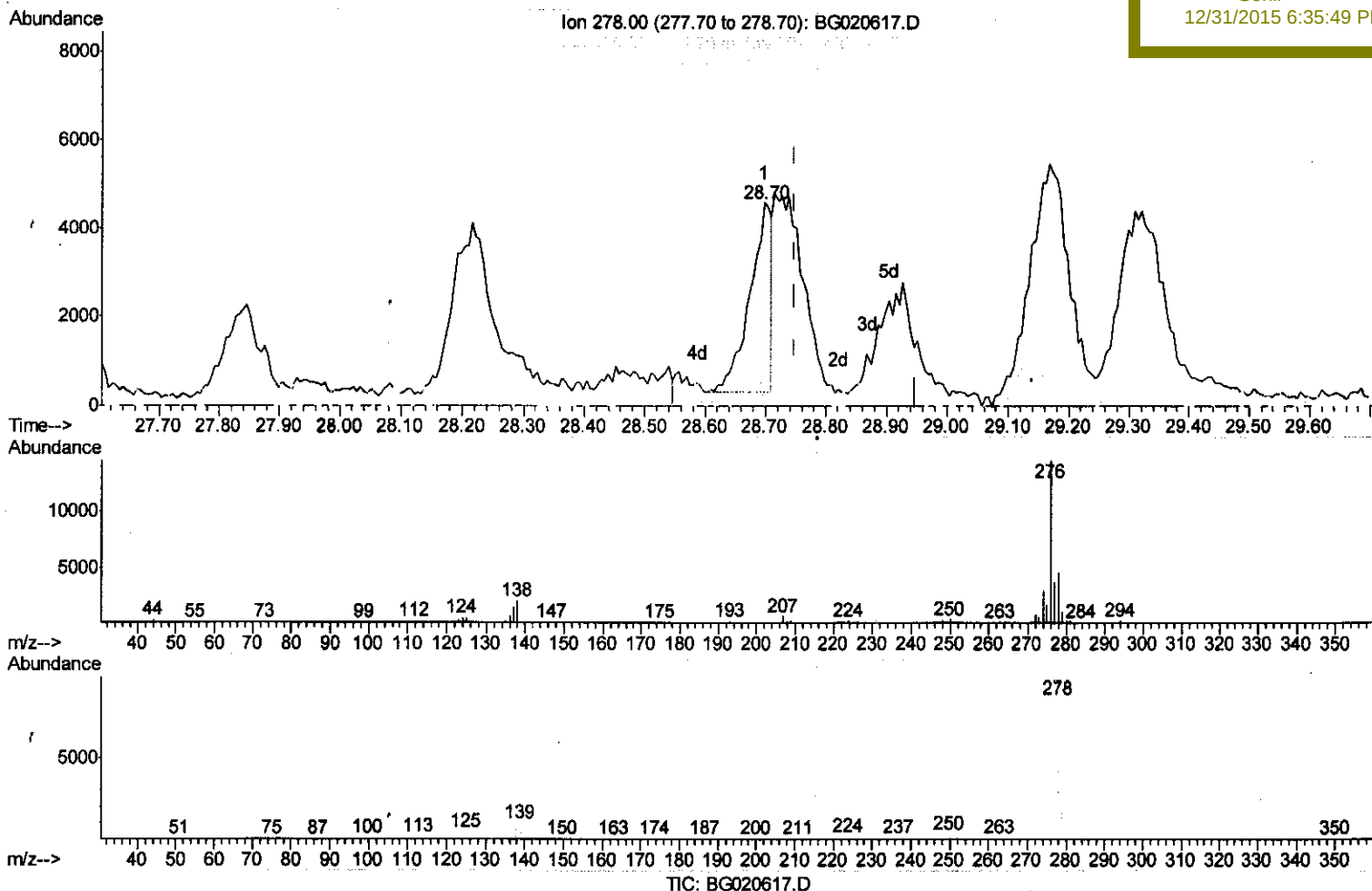
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 Operator : UM/SJ
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 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jan 02 00:51:35 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
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 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 G9D88ME

Manual Integrations
 APPROVED

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(93) Dibenzo(a,h)anthracene

28.698min (-0.050) 1.08ng/ul

response 10695

Ion	Exp%	Act%
278.00	100	100
139.00	11.20	0.00#
279.00	23.90	25.74
0.00	0.00	0.00

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 Operator : UM/SJ
 Sample : G4802-13ME
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9D88ME

Quant Time: Dec 31 02:57:51 2015
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Manual Integrations
 APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	20913	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	88506	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.70	164	63959	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.45	188	145413	20.00	ng/ul	0.00
78) Chrysene-d12	21.72	240	179461	20.00	ng/ul	0.00
86) Perylene-d12	24.97	264	173965	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.43	96	1171	3.35	ng/uL	0.00
5) Phenol-d5	7.22	99	28544	16.16	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.38	67	19317	18.08	ng/ul	0.00
9) 2-Chlorophenol-d4	7.59	132	23519	17.41	ng/ul	0.00
13) 4-Methylphenol-d8	8.77	113	19975	13.18	ng/ul	0.00
19) Nitrobenzene-d5	9.23	128	13992	20.46	ng/ul	0.00
22) 2-Nitrophenol-d4	9.96	143	15848	19.97	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.50	165	26946	17.87	ng/ul	0.00
29) 4-Chloroaniline-d4	11.01	131	31867	17.80	ng/ul	0.00
44) Dimethylphthalate-d6	14.10	166	104213	19.91	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	119968	20.18	ng/ul	0.00
52) 4-Nitrophenol-d4	14.90	143	10591	12.90	ng/ul	0.00
58) Fluorene-d10	15.69	176	96097	20.25	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	12490	14.16	ng/ul	0.01
71) Anthracene-d10	17.55	188	156561	23.11	ng/ul	0.00
79) Pyrene-d10	19.83	212	180174	22.39	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.75	264	205241	23.65	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.94	128	1451695	309.73	ng/ul	96
34) 2-Methylnaphthalene	12.54	142	884010	252.06	ng/ul	96
41) 1,1'-Biphenyl	13.53	154	106951	22.22	ng/ul	97
45) Dimethylphthalate	14.14	163	20110	3.76	ng/ul#	97
48) Acenaphthylene	14.42	152	63403	10.01	ng/ul#	77
50) Acenaphthene	14.77	153	441137	102.95	ng/ul	98
54) Dibenzofuran	15.10	168	59716	9.22	ng/ul	95
59) Fluorene	15.75	166	331266	63.60	ng/ul	97
70) Phenanthrene	17.50	178	1581317m	200.03	ng/ul	100
72) Anthracene	17.58	178	434303	53.71	ng/ul	100
75) Carbazole	17.85	167	7481	1.10	ng/ul#	59
77) Fluoranthene	19.50	202	543401	56.26	ng/ul	100
80) Pyrene	19.86	202	886187	85.26	ng/ul	98
83) Benzo(a)anthracene	21.69	228	309761	29.50	ng/ul	95
84) Bis(2-ethylhexyl)phthalate	21.58	149	6662	1.27	ng/ul	98
85) Chrysene	21.77	228	298174	30.17	ng/ul	96
88) Benzo(b)fluoranthene	23.94	252	160717	15.56	ng/ul	97
89) Benzo(k)fluoranthene	23.99	252	58072m	5.87	ng/ul	97
91) Benzo(a)pyrene	24.83	252	195561	19.70	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	28.69	276	70892	5.99	ng/ul	99
93) Dibenz(a,h)anthracene	28.72	278	25534m	2.59	ng/ul	99
94) Benzo(g,h,i)perylene	29.86	276	75342m	7.75	ng/ul	99

U.M
 11/2/16

U.M
 11/2/16

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Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed