

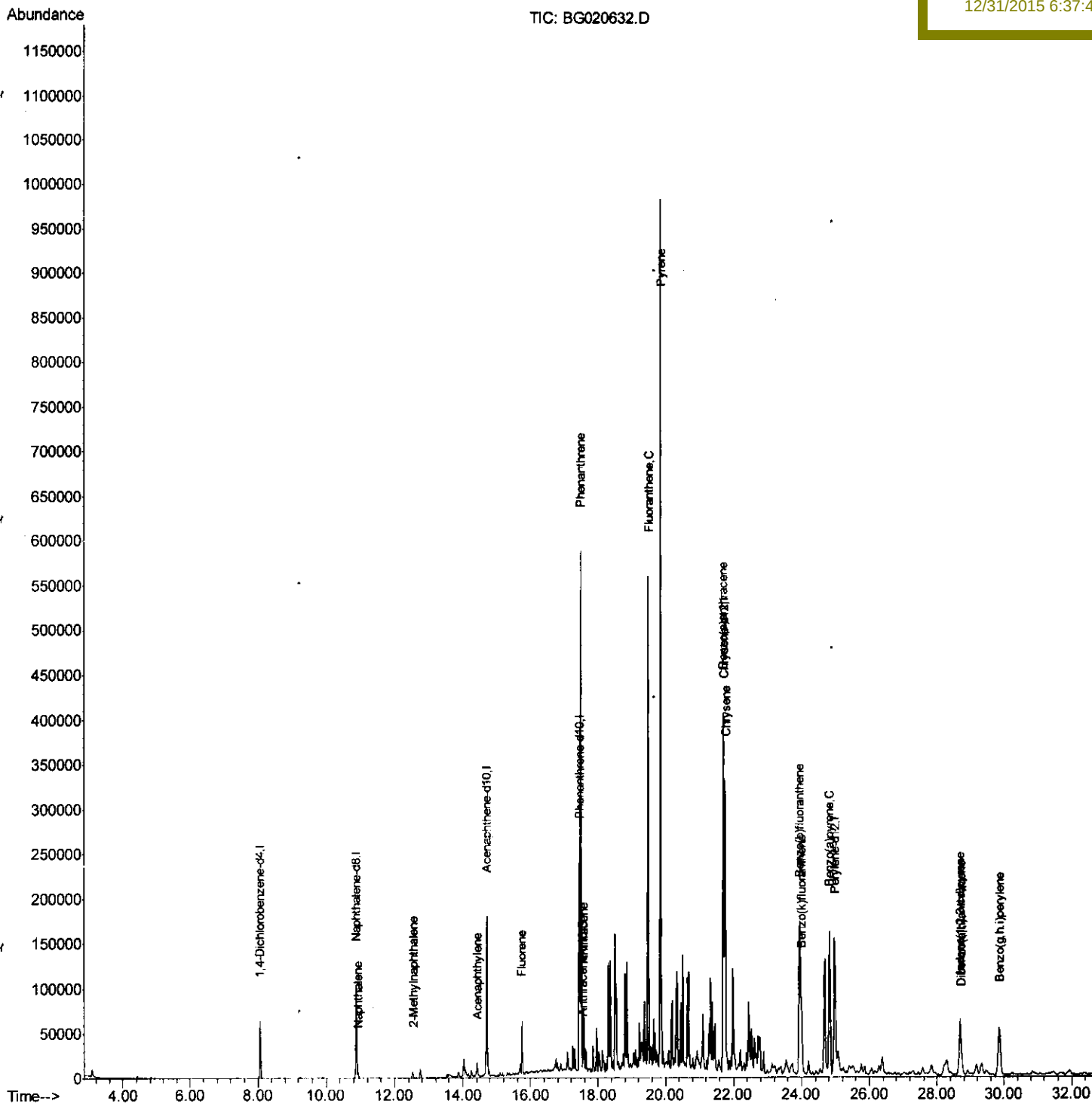
Data Path : Z:\HPCHEM1\BNA_G\Data\BG123015\
Data File : BG020632.D
Acq On : 31 Dec 2015 8:46
Operator : UM/SJ
Sample : G4802-10DL 30X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Dec 31 13:27:23 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 31 03:43:50 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
G9D85DL

Manual Integrations
APPROVED

Sohil
12/31/2015 6:37:46 PM



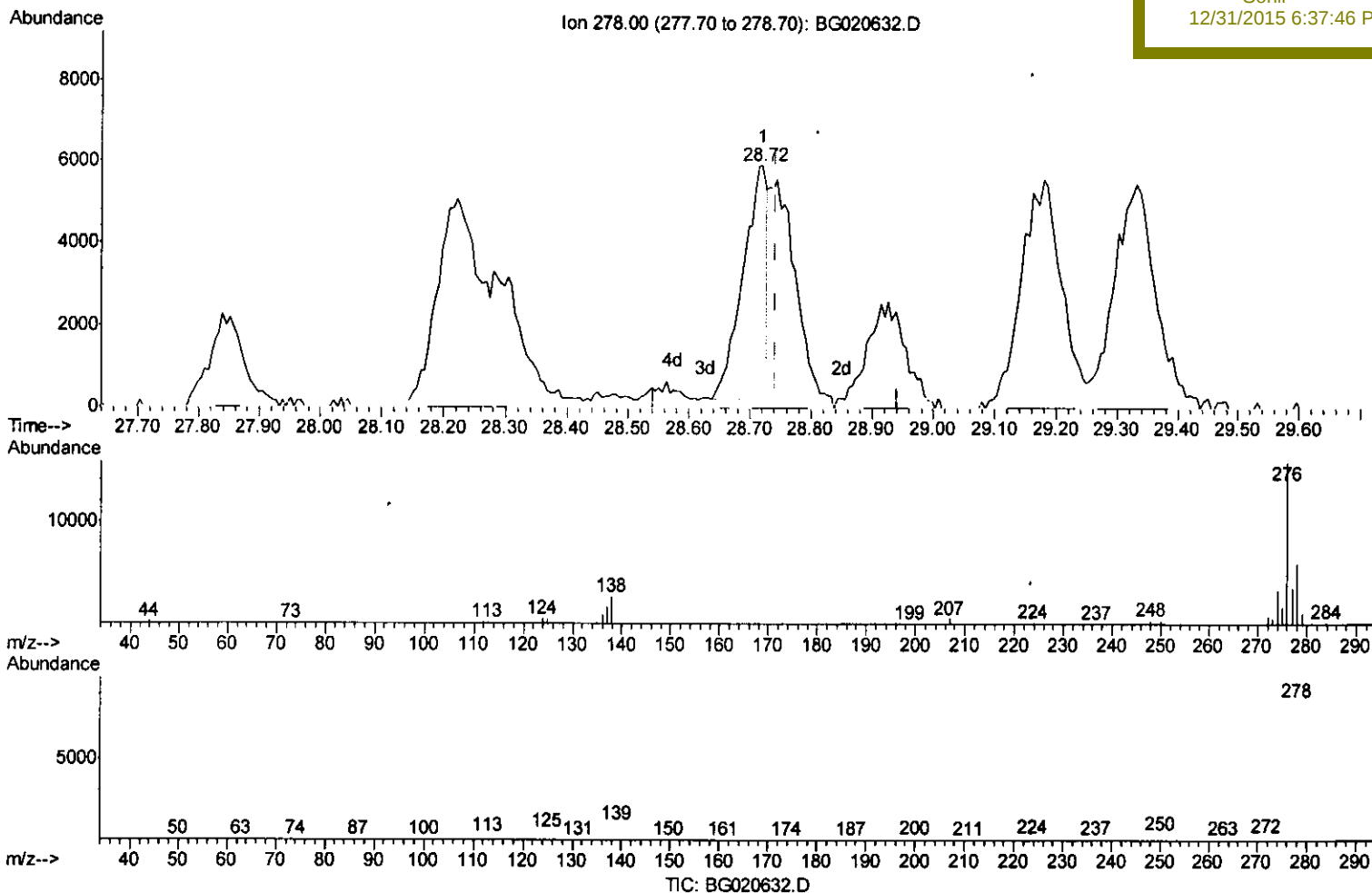
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Acq On : 31 Dec 2015 8:46
Operator : UM/SJ
Sample : G4802-10DL 30X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Dec 31 10:51:16 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION
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Manual Integrations
APPROVED

Sohil
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(93) Dibenzo(a,h)anthracene

28.721min (-0.022) 1.59ng/ul

response 15515

Ion	Exp%	Act%
278.00	100	100
139.00	11.20	0.00#
279.00	23.90	20.28
0.00	0.00	0.00

Quantitation Report (Qedit)

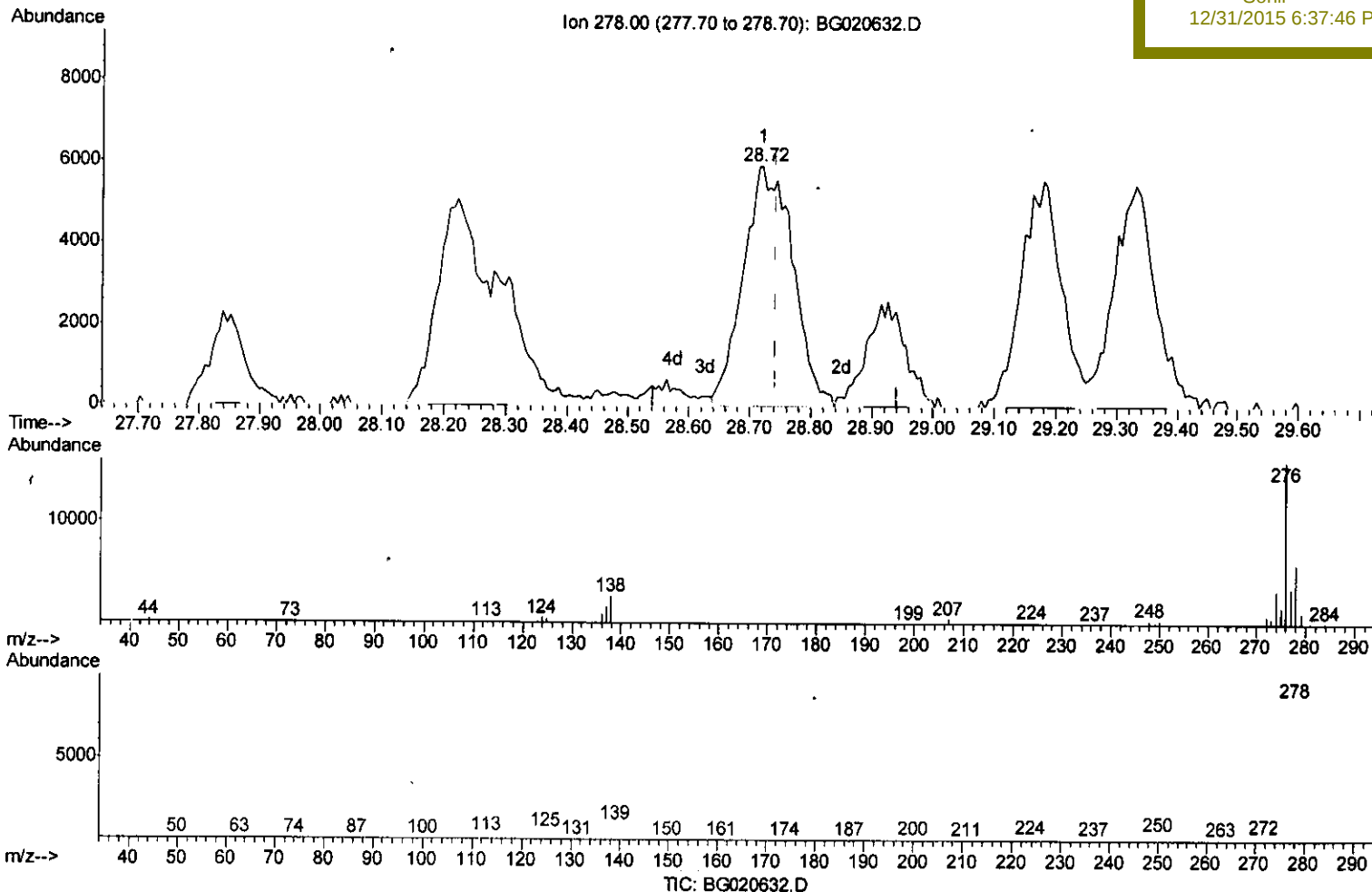
Data Path : Z:\HPCHEM1\BNA_G\Data\BG123015\
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Instrument :
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 ClientSampleId :
 G9D85DL

Manual Integrations
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Sohil
 12/31/2015 6:37:46 PM

Quant Time: Dec 31 10:51:16 2015
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 QLast Update : Thu Dec 31 03:43:50 2015
 Response via : Initial Calibration



(93) Dibenzo(a,h)anthracene

28.721min (-0.022) 3.43ng/ul m *U.M*
11/16

response 33531

Ion	Exp%	Act%
278.00	100	100
139.00	11.20	0.00#
279.00	23.90	20.28
0.00	0.00	0.00

Quantitation Report (Qedit)

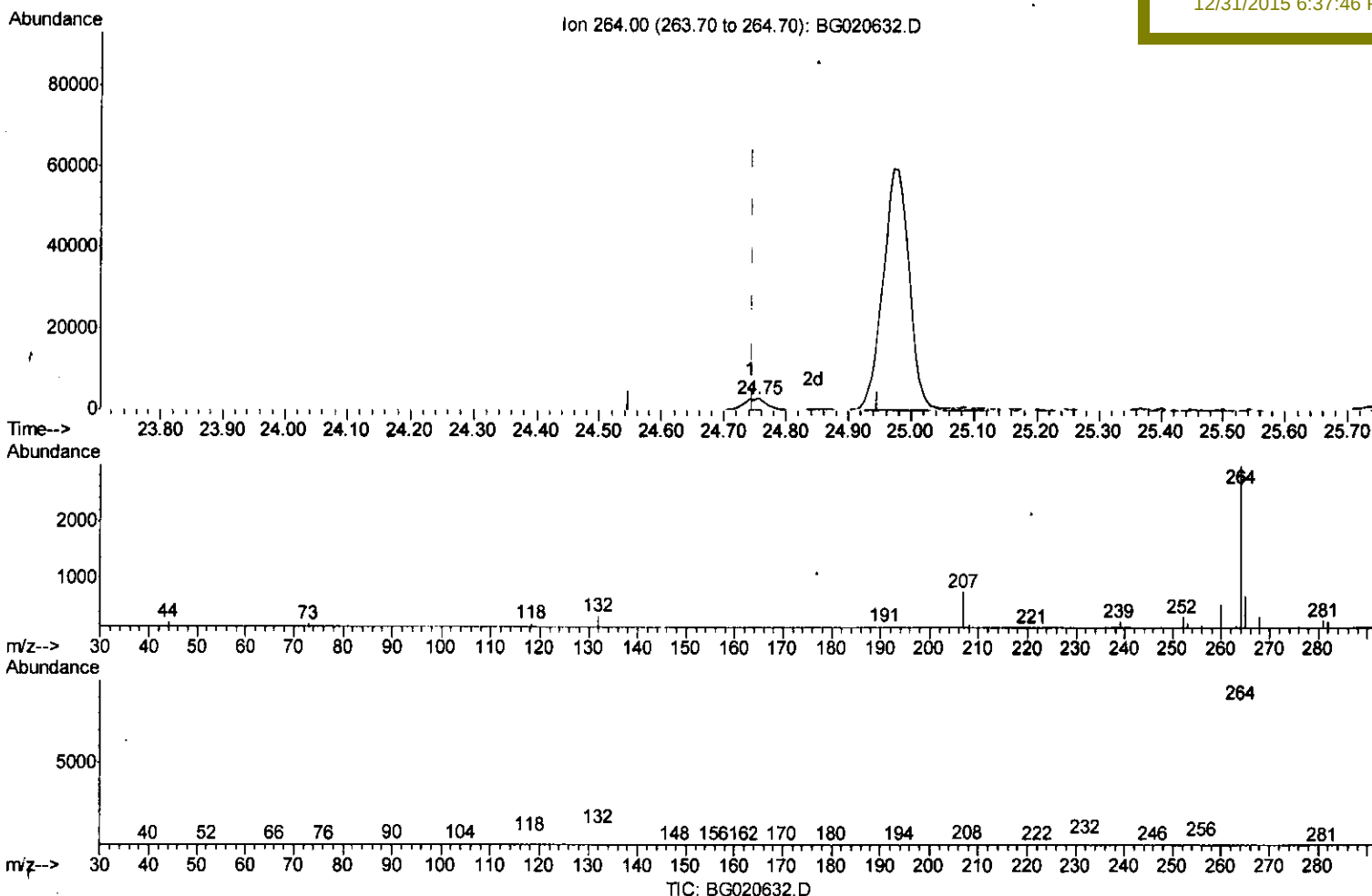
Data Path : Z:\HPCHEM1\BNA_G\Data\BG123015\
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 Acq On : 31 Dec 2015 8:46
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 ALS Vial : 39 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

Sohil
 12/31/2015 6:37:46 PM



(90) Benzo(a)pyrene-d12 (S)

24.755min (+0.008) 0.88ng/ul m U.M
11116

response 7602

Ion	Exp%	Act%
264.00	100	100
132.00	10.70	11.84
118.00	6.10	7.12
0.00	0.00	0.00

Quantitation Report (Qedit)

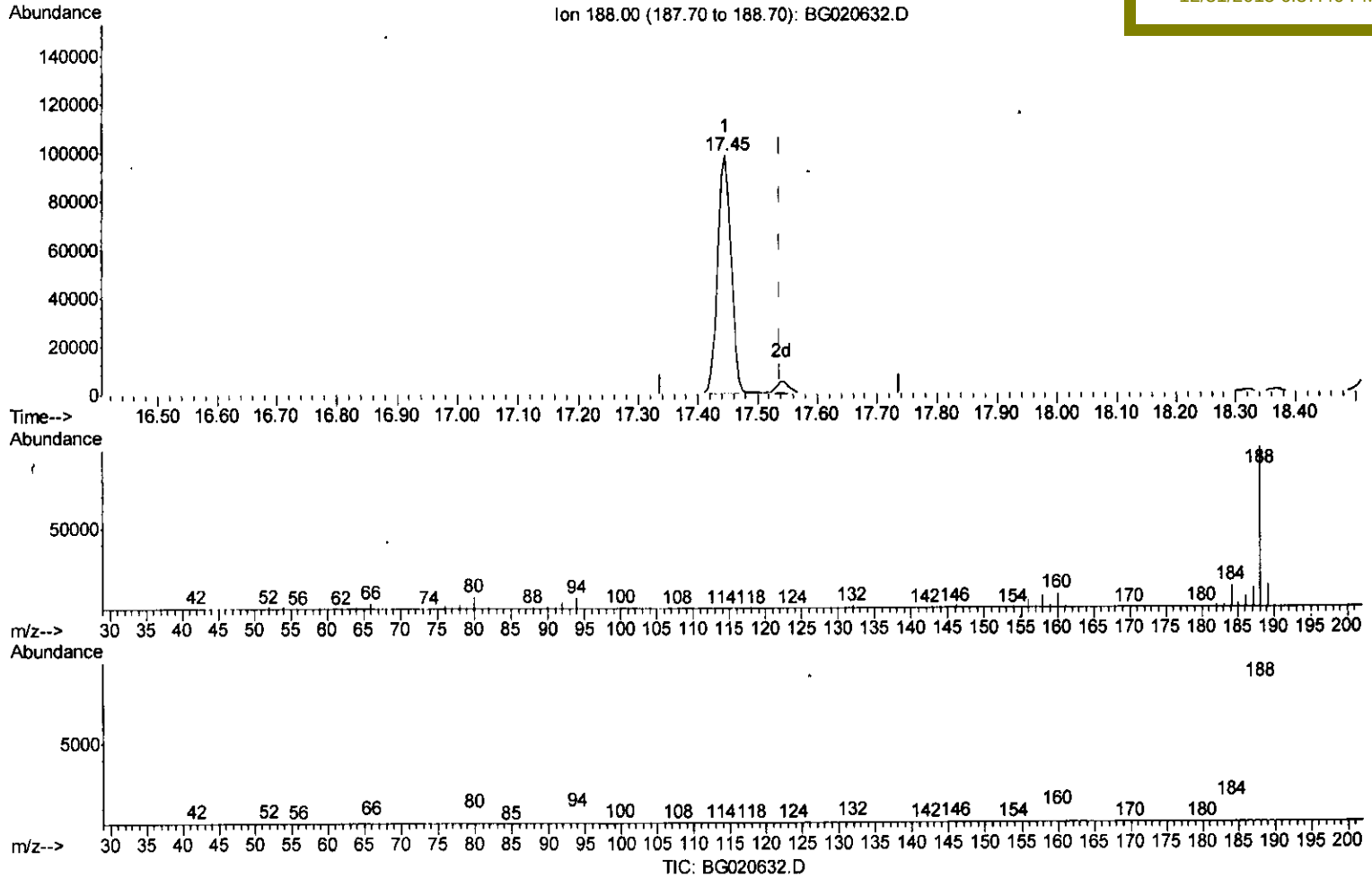
Data Path : Z:\HPCHEM1\BNA_G\Data\BG123015\
 Data File : BG020632.D
 Acq On : 31 Dec 2015 8:46
 Operator : UM/SJ
 Sample : G4802-10DL 30X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

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Instrument :
 BNA_G
 ClientSampleId :
 G9D85DL

Manual Integrations
 APPROVED

Sohil
 12/31/2015 6:37:46 PM



(71) Anthracene-d10 (S)

17.446min (-0.092) 21.46ng/ul

response 155960

Ion	Exp%	Act%
188.00	100	100
94.00	8.30	7.19
80.00	7.70	7.97
0.00	0.00	0.00

Quantitation Report (Qedit)

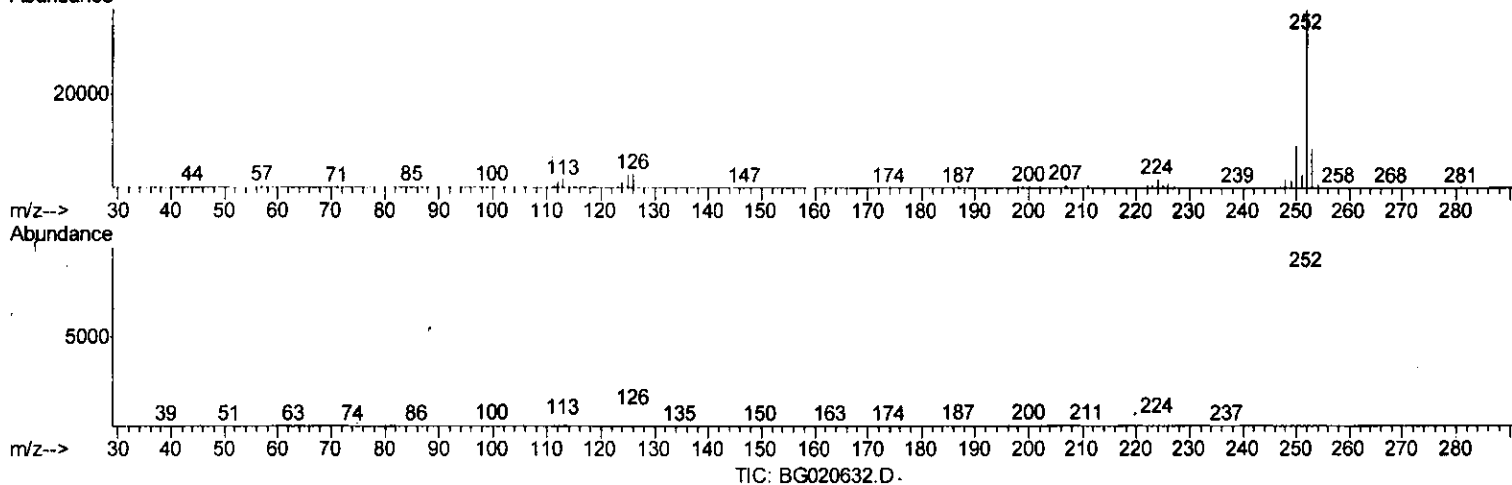
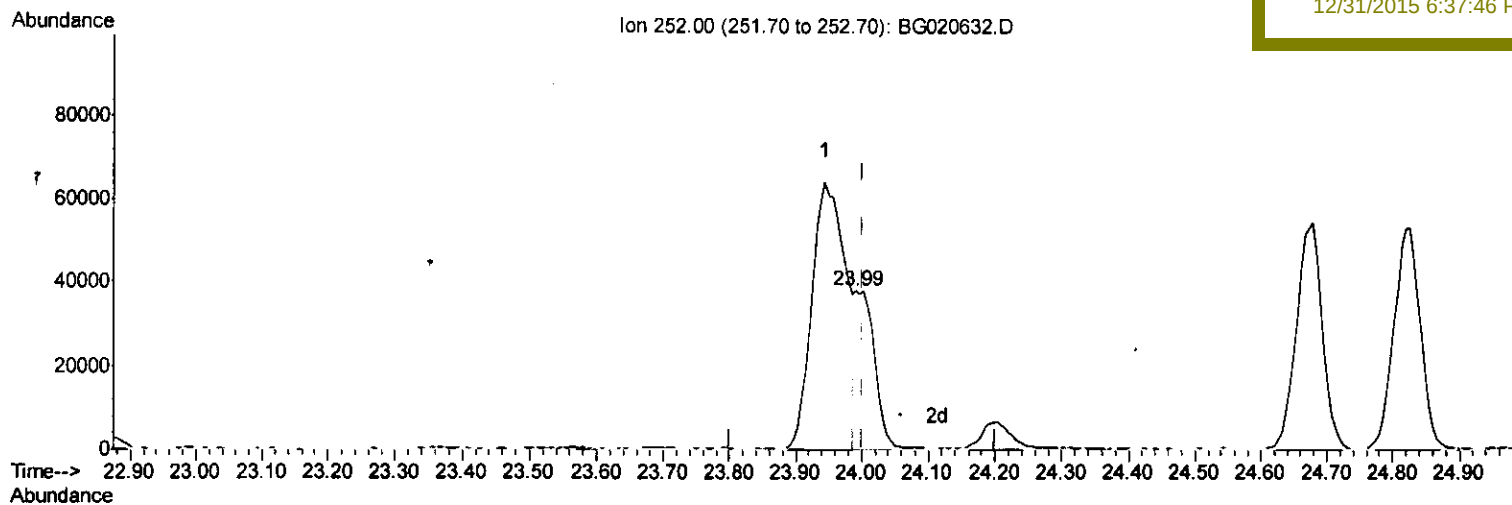
Data Path : Z:\HPCHEM1\BNA_G\Data\BG123015\
 Data File : BG020632.D
 Acq On : 31 Dec 2015 8:46
 Operator : UM/SJ
 Sample : G4802-10DL 30X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_G
 Client Sampled :
 G9D85DL

Quant Time: Dec 31 10:51:16 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration

Manual Integrations
 APPROVED

Sohil
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(89) Benzo(k)fluoranthene

23.991min (-0.010) 8.06ng/ul m U.M
 response 78957 11116

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	22.29
125.00	6.70	8.20#
0.00	0.00	0.00

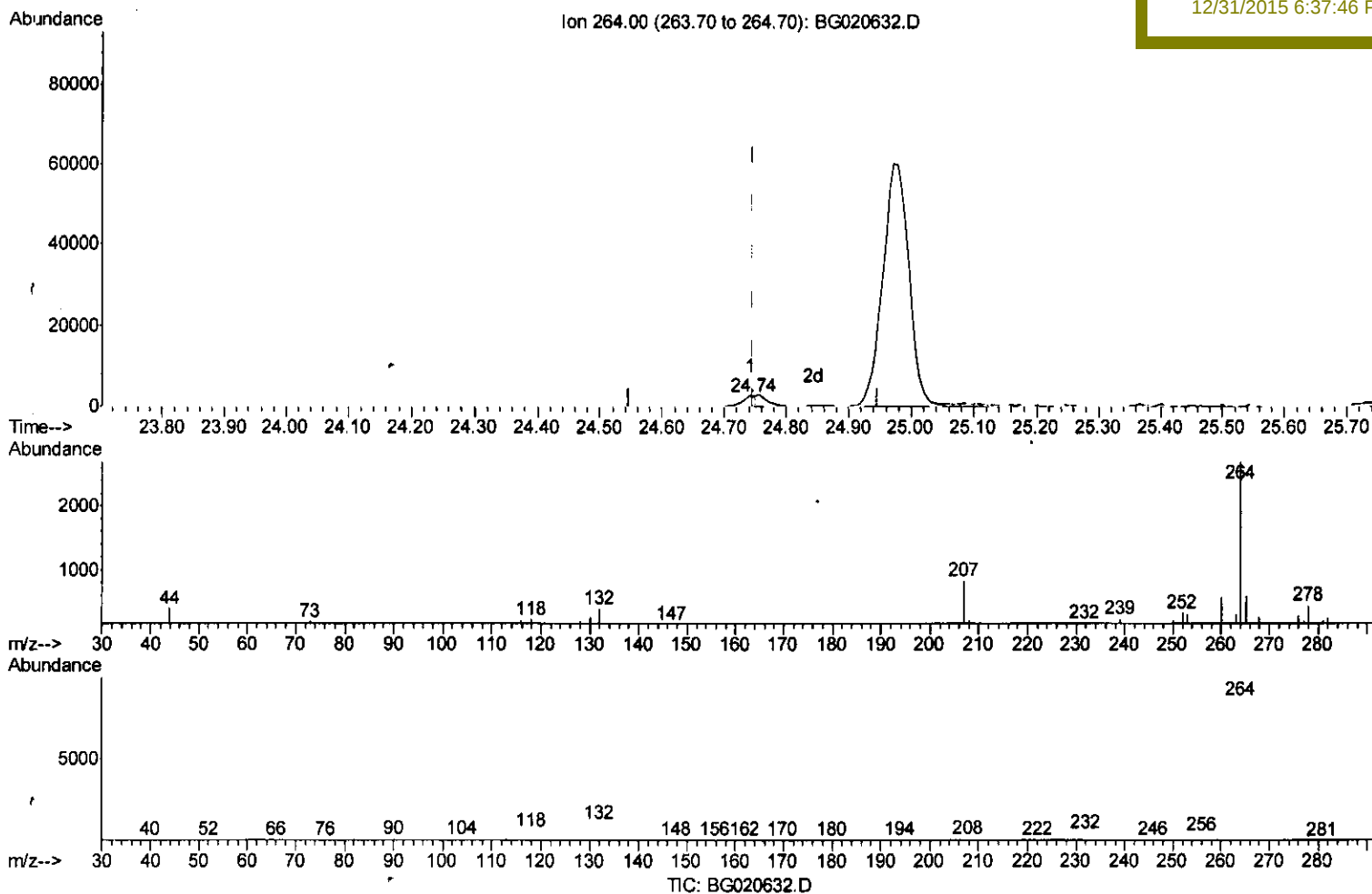
Data Path : Z:\HPCHEM1\BNA_G\Data\BG123015\
Data File : BG020632.D
Acq On : 31 Dec 2015 8:46
Operator : UM/SJ
Sample : G4802-10DL 30X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Dec 31 10:51:16 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 31 03:43:50 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampled :
G9D85DL

Manual Integrations
APPROVED

Sohil
12/31/2015 6:37:46 PM



(90) Benzo(a)pyrene-d12 (S)

24.743min (-0.004) 0.47ng/ul

response 4067

Ion	Exp%	Act%
264.00	100	100
132.00	10.70	14.50#
118.00	6.10	8.14#
0.00	0.00	0.00

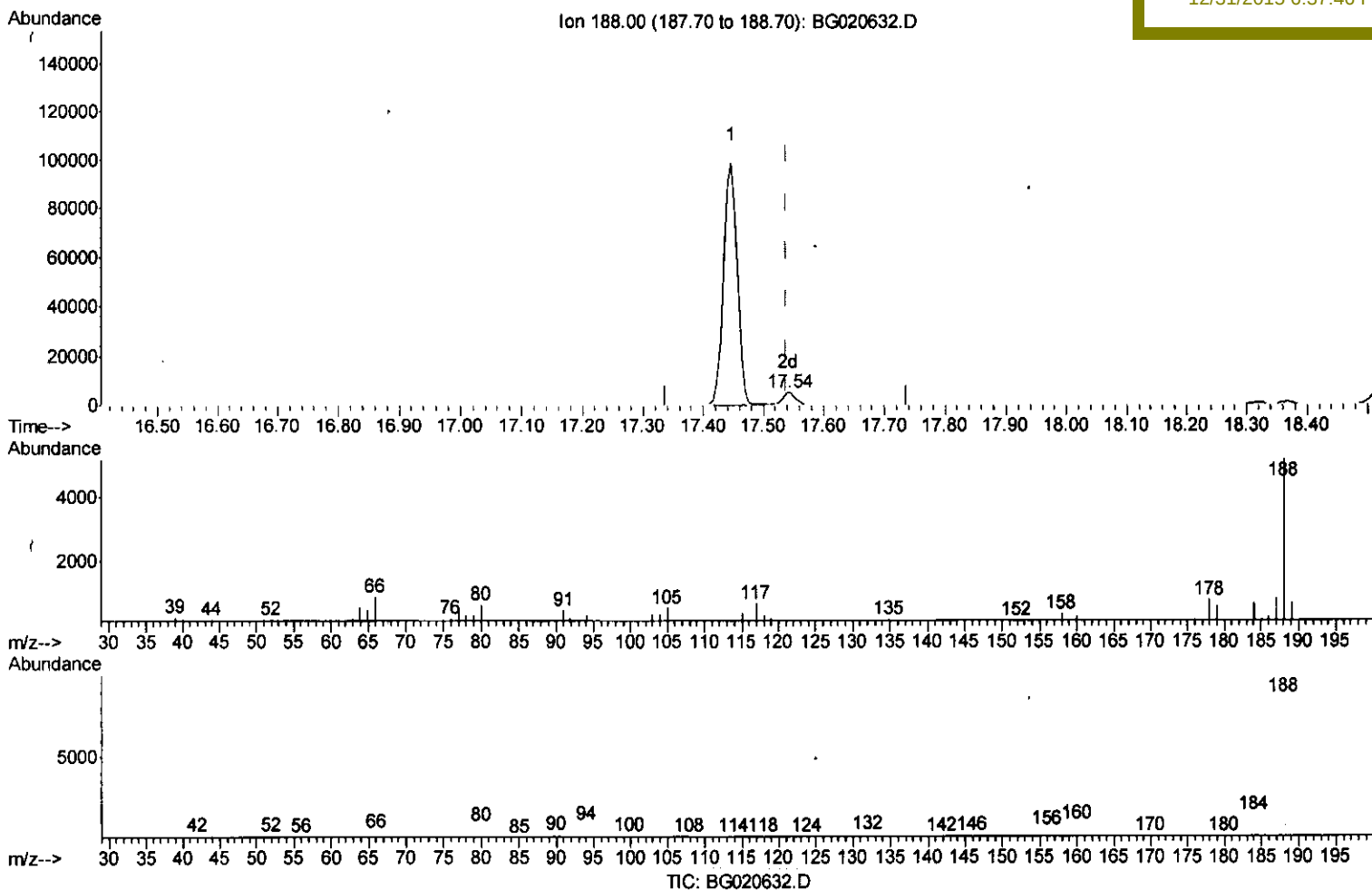
Data Path : Z:\HPCHEM1\BNA_G\Data\BG123015\
Data File : BG020632.D
Acq On : 31 Dec 2015 8:46
Operator : UM/SJ
Sample : G4802-10DL 30X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleID :
G9D85DL

Quant Time: Dec 31 10:51:16 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 31 03:43:50 2015
Response via : Initial Calibration

Manual Integrations
APPROVED

Sohil
12/31/2015 6:37:46 PM



(71) Anthracene-d10 (S)

17.540min (+0.002) 1.04ng/ul m

response 7523

Ion	Exp%	Act%
188.00	100	100
94.00	8.30	6.42#
80.00	7.70	12.48#
0.00	0.00	0.00

Quantitation Report (Qedit)

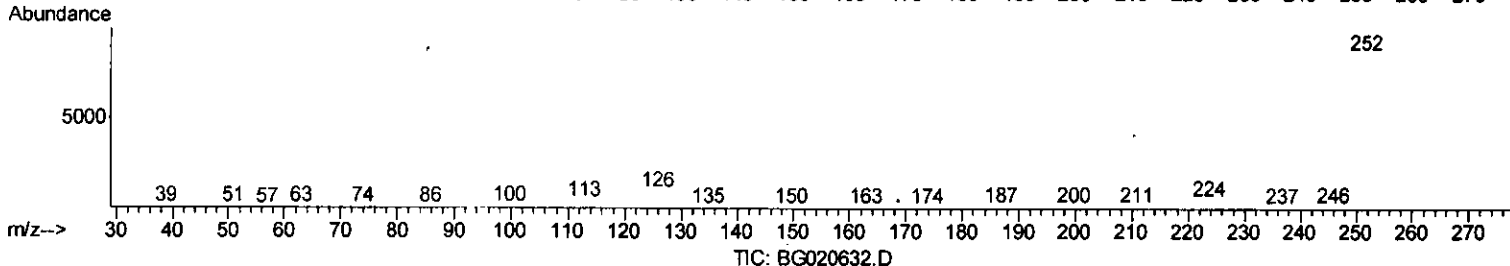
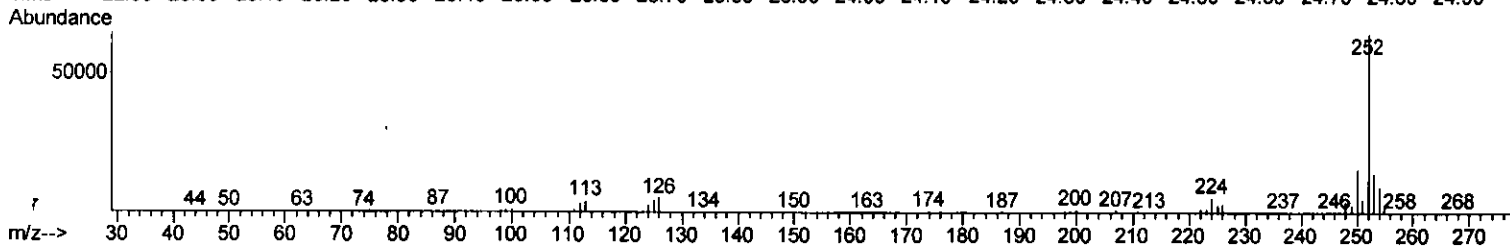
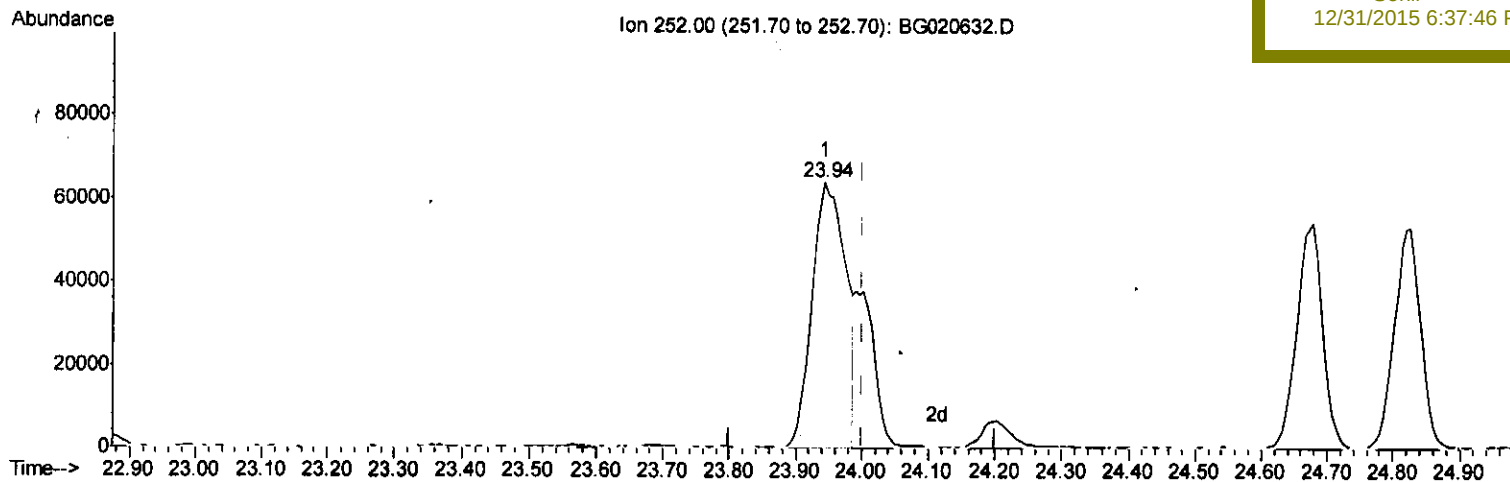
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 Operator : UM/SJ
 Sample : G4802-10DL 30X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

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 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 G9D85DL

Manual Integrations
 APPROVED

Sohil
 12/31/2015 6:37:46 PM



(89) Benzo(k)fluoranthene

23.944min (-0.057) 23.13ng/ul

response 226661

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	22.26
125.00	6.70	7.20
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\Data\BG123015\
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 Sample : G4802-10DL 30X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 G9D85DL

Quant Time: Dec 31 13:27:23 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	19666	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	89487	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.70	164	64077	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.45	188	155960	20.00	ng/ul	0.00
78) Chrysene-d12	21.72	240	182246	20.00	ng/ul	0.00
86) Perylene-d12	24.97	264	172230	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.22	99	65	0.04	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	404	0.40	ng/ul	0.00
9) 2-Chlorophenol-d4	0.00	132	0	0.00	ng/ul	
13) 4-Methylphenol-d8	8.79	113	552	0.39	ng/ul	0.01
19) Nitrobenzene-d5	9.24	128	194	0.28	ng/ul	0.01
22) 2-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
26) 2,4-Dichlorophenol-d3	0.00	165	0	0.00	ng/ul	
29) 4-Chloroaniline-d4	11.04	131	282	0.16	ng/ul	0.03
44) Dimethylphthalate-d6	14.10	166	4236	0.81	ng/ul	0.00
47) Acenaphthylene-d8	14.40	160	4946	0.83	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.69	176	4538	0.95	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.54	188	7523m	1.04	ng/ul	0.00
79) Pyrene-d10	19.83	212	8117	0.99	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.75	264	7602m	0.88	ng/ul	0.00

U.M
 11/11/16

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Naphthalene	10.92	128	6703	1.41	ng/ul	97
34) 2-Methylnaphthalene	12.53	142	4609	1.30	ng/ul	96
48) Acenaphthylene	14.42	152	10867	1.71	ng/ul	96
59) Fluorene	15.74	166	27802	5.33	ng/ul	99
70) Phenanthrene	17.49	178	383487	45.23	ng/ul	99
72) Anthracene	17.58	178	49046	5.66	ng/ul	97
77) Fluoranthene	19.50	202	354950	34.26	ng/ul	100
80) Pyrene	19.86	202	619056	58.65	ng/ul	99
83) Benzo(a)anthracene	21.70	228	240818	22.59	ng/ul	98
85) Chrysene	21.76	228	231535	23.07	ng/ul	99
88) Benzo(b)fluoranthene	23.94	252	226661	22.16	ng/ul	98
89) Benzo(k)fluoranthene	23.99	252	78957m	8.06	ng/ul	
91) Benzo(a)pyrene	24.83	252	146268	14.88	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	28.70	276	112324	9.58	ng/ul	100
93) Dibenzo(a,h)anthracene	28.72	278	33531m	3.43	ng/ul	
94) Benzo(g,h,i)perylene	29.86	276	120828	12.55	ng/ul	99

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 11/11/16

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