

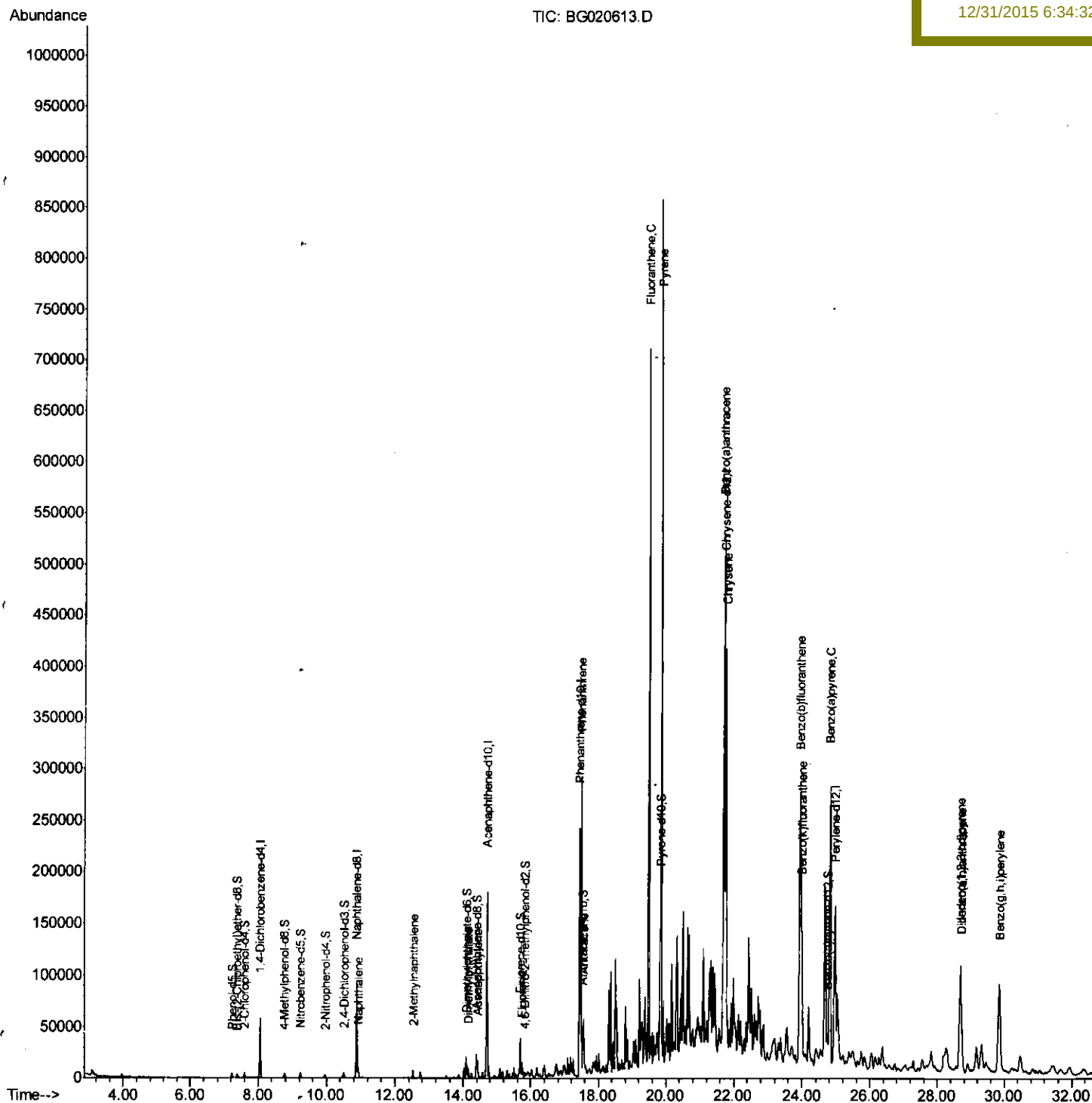
```
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\  
Data File : BG020613.D  
Acq On    : 30 Dec 2015 17:53  
Operator  : UM/SJ  
Sample    : G4802-19DL 5X  
Misc      :  
ALS Vial  : 21 Sample Multiplier: 1
```

Quant Time: Dec 31 01:22:00 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
ClientSampleId :
G9D94DL

Manual Integrations

Sohil
12/31/2015 6:34:32 PM



Quantitation Report (Qedit)

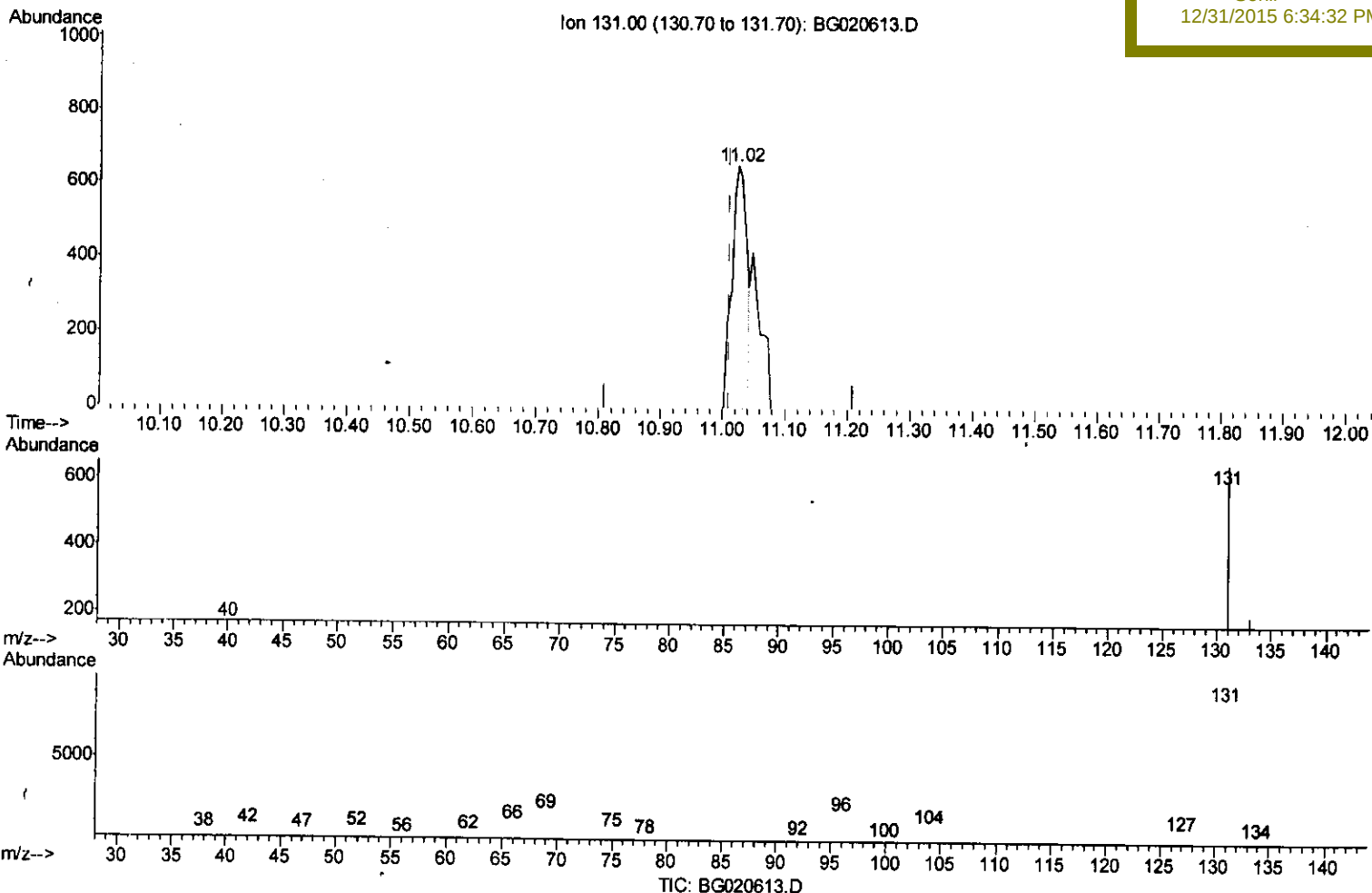
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
 Data File : BG020613.D
 Acq On : 30 Dec 2015 17:53
 Operator : UM/SJ
 Sample : G4802-19DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 31 01:08:48 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
 ClientSampleId :
 G9D94DL

Manual Integrations
 APPROVED

Sohil
 12/31/2015 6:34:32 PM



(29) 4-Chloroaniline-d4 (S)

11.025min (+0.014) 0.68ng/ul

response 1118

Ion	Exp%	Act%
131.00	100	100
133.00	33.90	30.72
69.00	18.60	0.00#
0.00	0.00	0.00

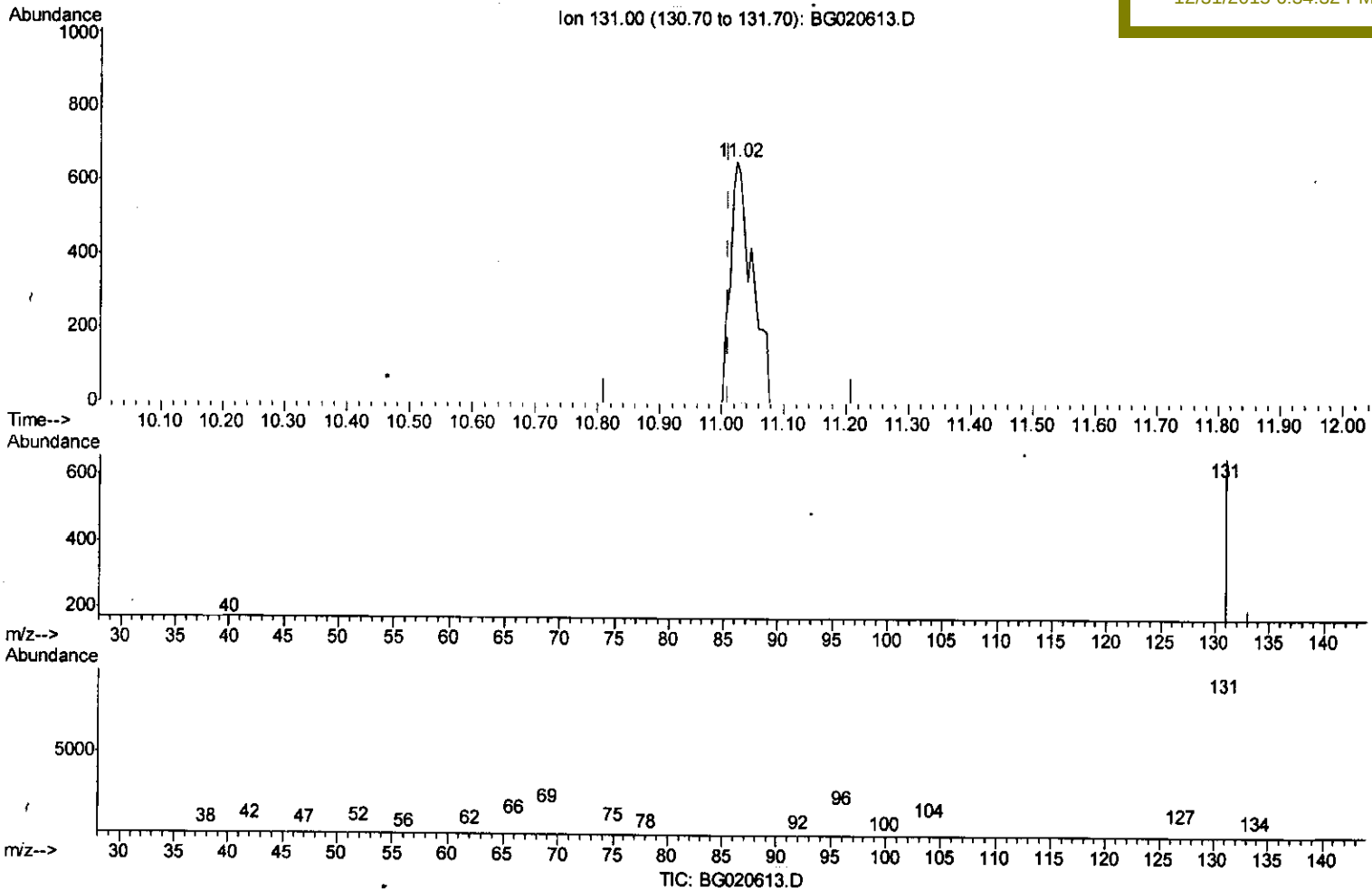
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
Data File : BG020613.D
Acq On : 30 Dec 2015 17:53
Operator : UM/SJ
Sample : G4802-19DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 31 01:08:48 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
ClientSampleId :
G9D94DL

Manual Integrations
APPROVED

Sohil
12/31/2015 6:34:32 PM



(29) 4-Chloroaniline-d4 (S)

11.025min (+0.014) 0.95ng/ul m

response 1573

U.M
1/1/16

Ion	Exp%	Act%
131.00	100	100
133.00	33.90	30.72
69.00	18.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

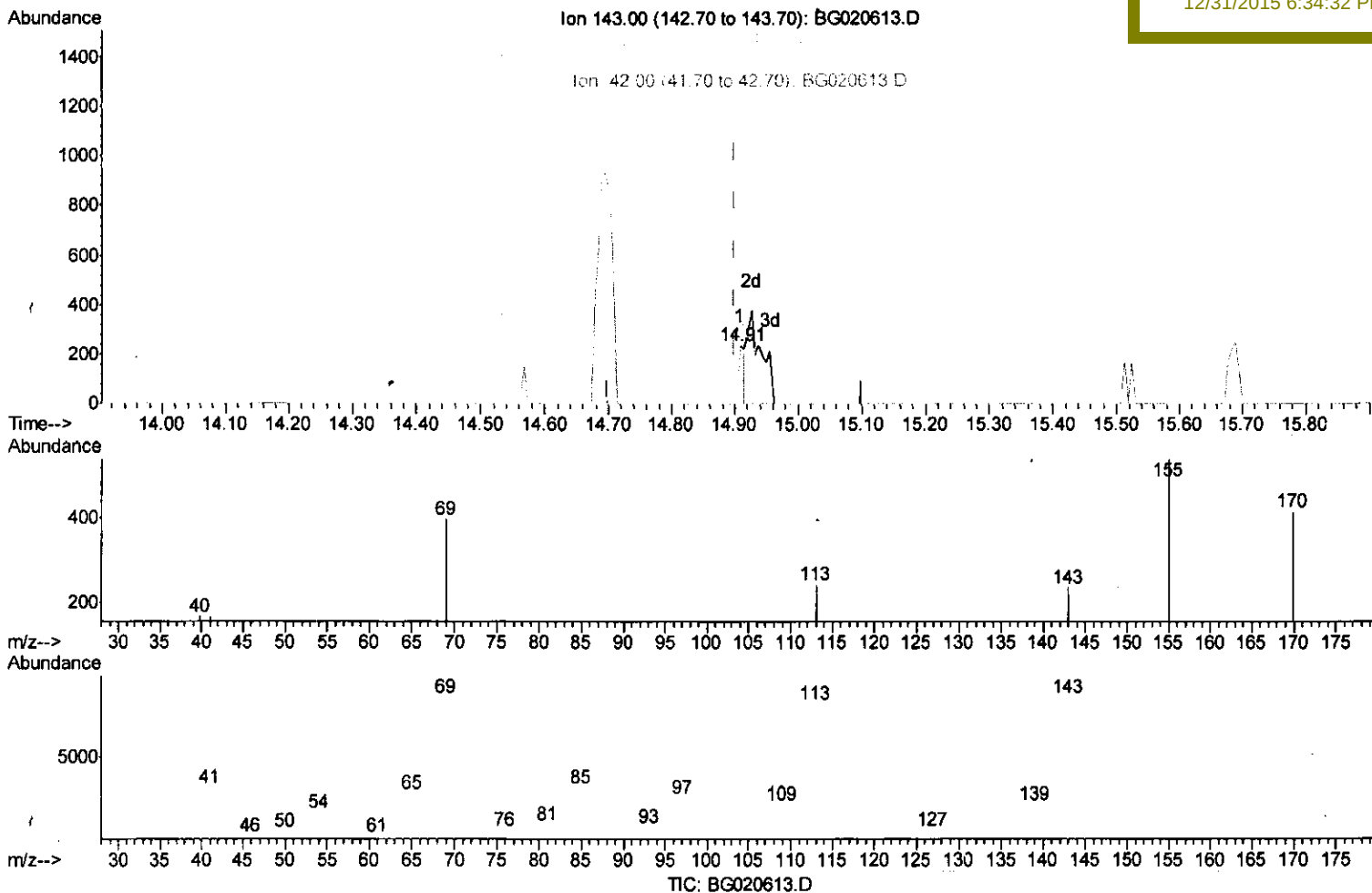
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
 Data File : BG020613.D
 Acq On : 30 Dec 2015 17:53
 Operator : UM/SJ
 Sample : G4802-19DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 31 01:08:48 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
ClientSampleId :
 G9D94DL

Manual Integrations
APPROVED

Sohil
 12/31/2015 6:34:32 PM



(52) 4-Nitrophenol-d4 (S)

14.908min (+0.008) 0.20ng/ul

response 161

Ion	Exp%	Act%
143.00	100	100
113.00	77.10	102.98#
41.00	32.60	70.21#
42.00	22.30	0.00#

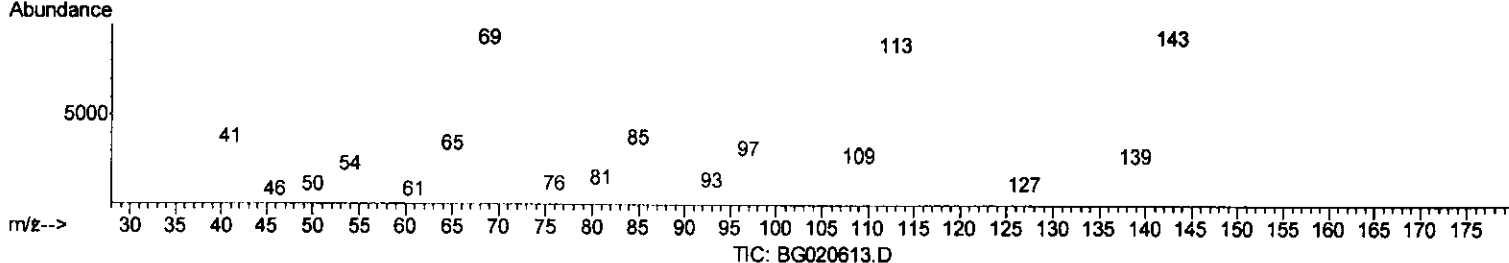
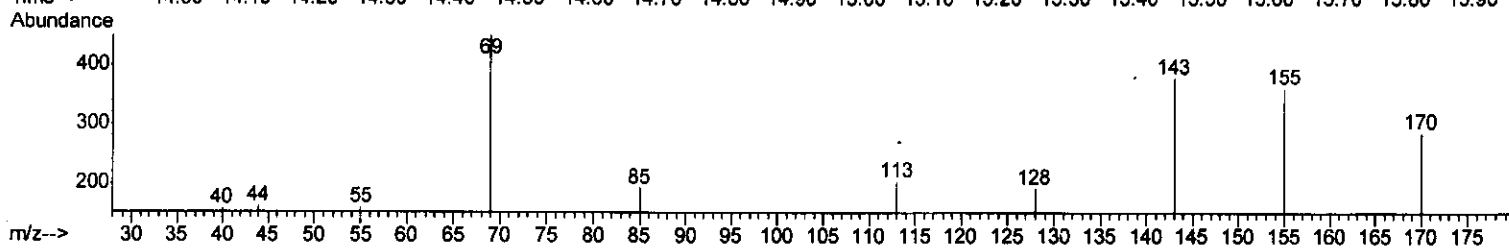
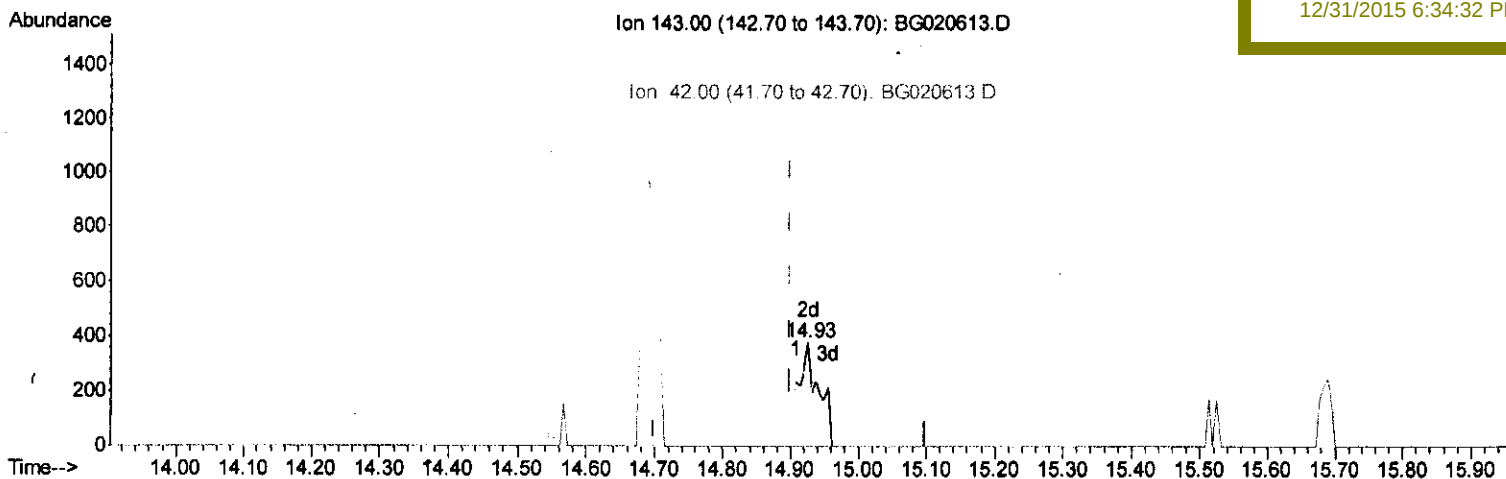
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
 Data File : BG020613.D
 Acq On : 30 Dec 2015 17:53
 Operator : UM/SJ
 Sample : G4802-19DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 G9D94DL

Quant Time: Dec 31 01:08:48 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

Manual Integrations
 APPROVED

Sohil
 12/31/2015 6:34:32 PM



(52) 4-Nitrophenol-d4 (S)

14.926min (+0.026) 0.94ng/ul m

response 748

Ion	Exp%	Act%
143.00	100	100
113.00	77.10	53.97#
41.00	32.60	0.00#
42.00	22.30	0.00#

U.M
 11/11/16

Quantitation Report (Qedit)

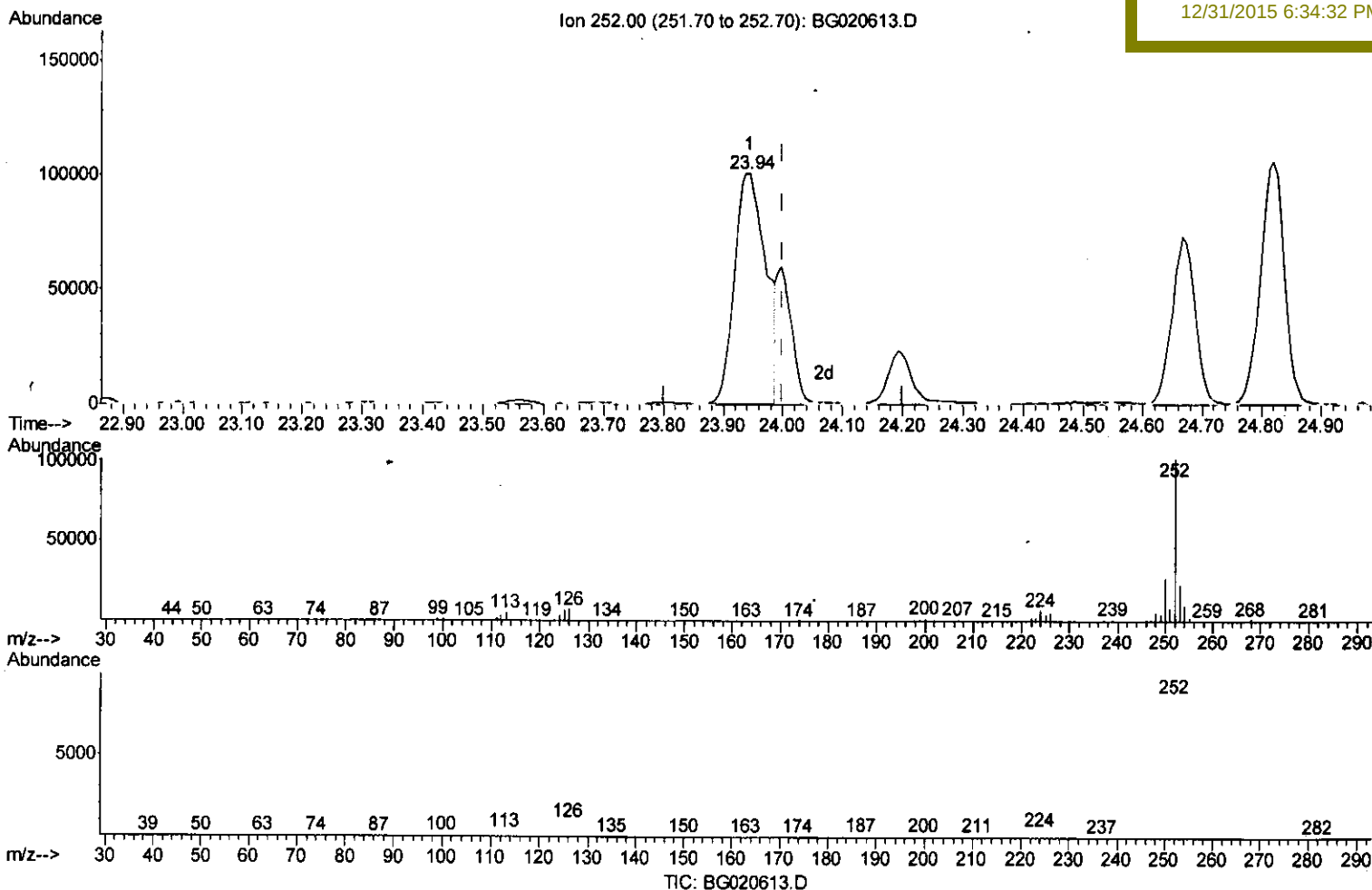
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
 Data File : BG020613.D
 Acq On : 30 Dec 2015 17:53
 Operator : UM/SJ
 Sample : G4802-19DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9D94DL

Quant Time: Dec 31 01:08:48 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

Manual Integrations
 APPROVED

Sohil
 12/31/2015 6:34:32 PM



(89) Benzo(k)fluoranthene

23.945min (-0.056) 36.33ng/ul

response 363426

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	22.67
125.00	6.70	7.11
0.00	0.00	0.00

Quantitation Report (Qedit)

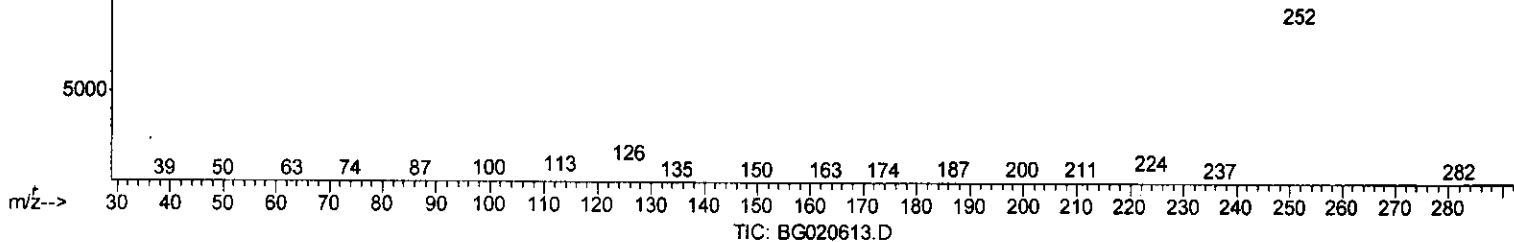
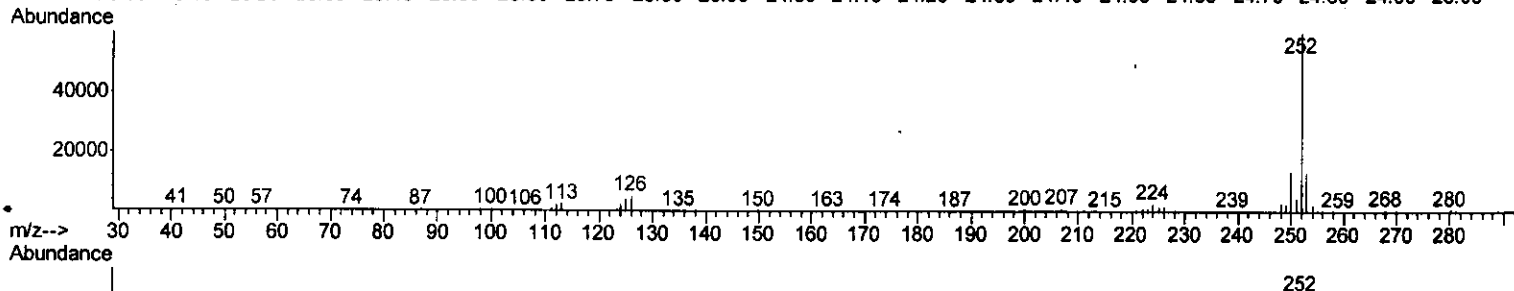
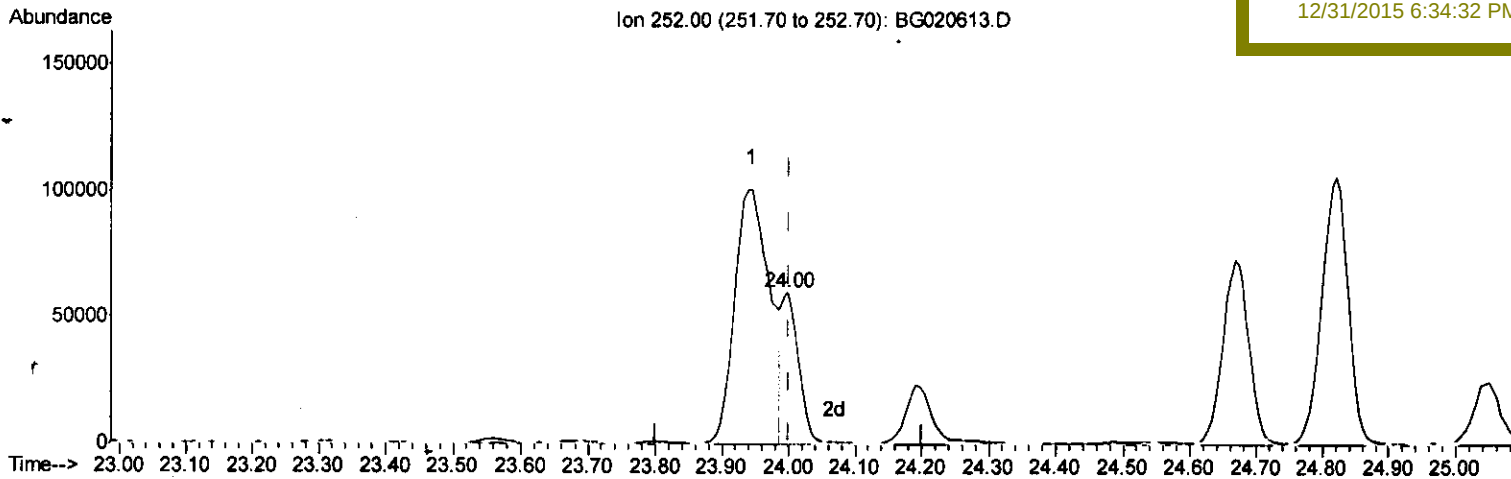
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
 Data File : BG020613.D
 Acq On : 30 Dec 2015 17:53
 Operator : UM/SJ
 Sample : G4802-19DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9D94DL

Manual Integrations
 APPROVED

Sohil
 12/31/2015 6:34:32 PM

Quant Time: Dec 31 01:08:48 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



(89) Benzo(k)fluoranthene

23.998min (-0.003) 10.43ng/ul m U.M

response 104278

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	22.28
125.00	6.70	6.88
0.00	0.00	0.00

Quantitation Report (Qedit)

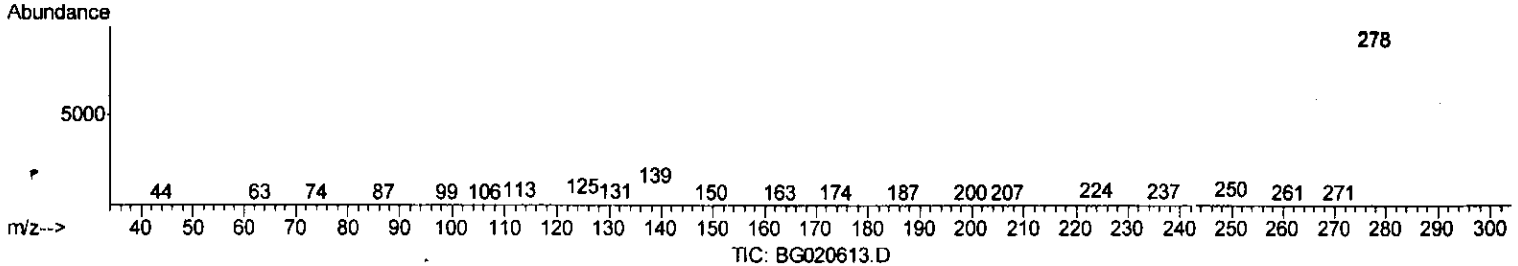
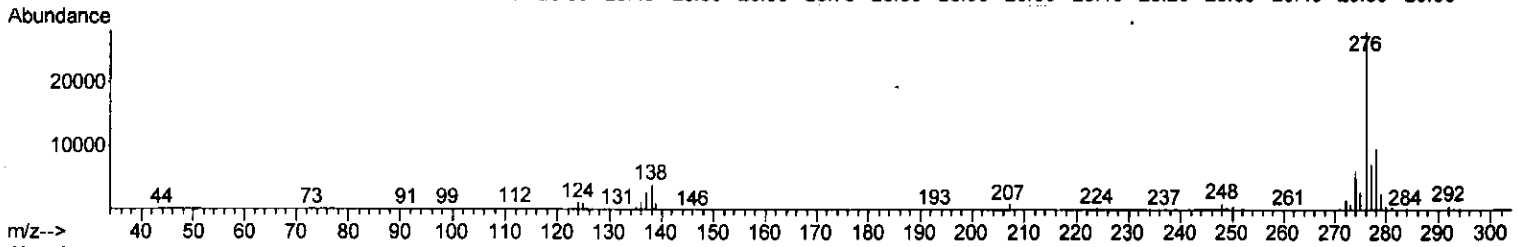
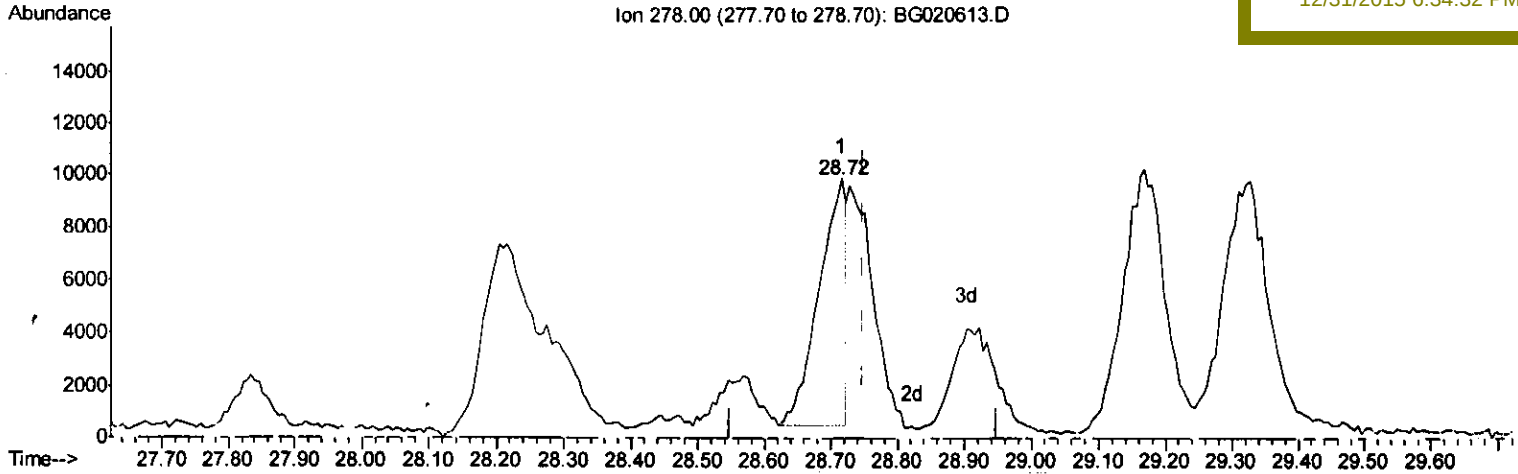
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
 Data File : BG020613.D
 Acq On : 30 Dec 2015 17:53
 Operator : UM/SJ
 Sample : G4802-19DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 31 01:08:48 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
 ClientSampleId :
 G9D94DL

Manual Integrations
 APPROVED

Sohil
 12/31/2015 6:34:32 PM



(93) Dibenzo(a,h)anthracene

28.716min (-0.033) 2.60ng/ul

response 25907

Ion	Exp%	Act%
278.00	100	100
139.00	11.20	10.96
279.00	23.90	27.31
0.00	0.00	0.00

Quantitation Report (Qedit)

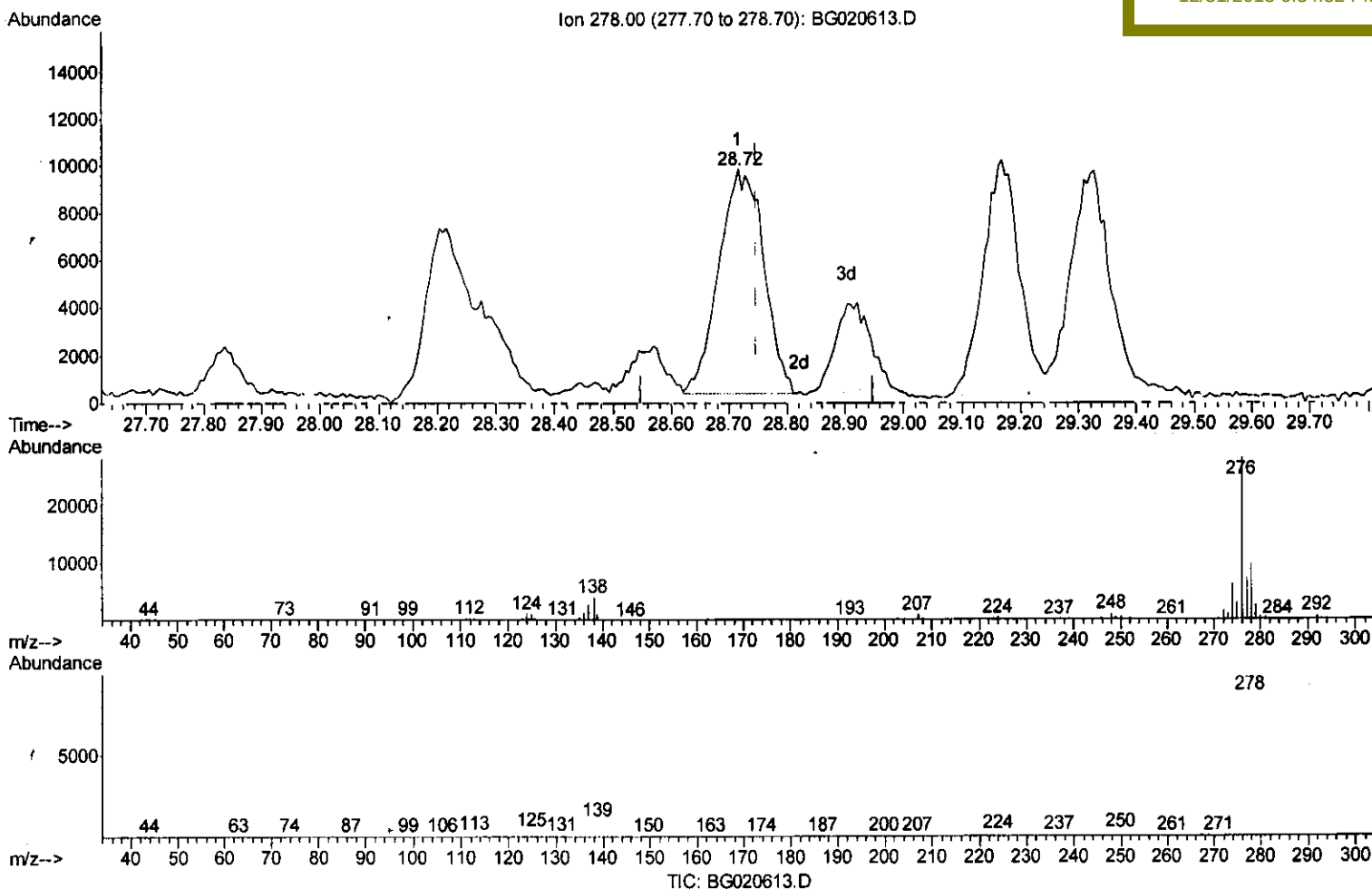
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
 Data File : BG020613.D
 Acq On : 30 Dec 2015 17:53
 Operator : UM/SJ
 Sample : G4802-19DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 31 01:08:48 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
 ClientSampleId :
 G9D94DL

Manual Integrations
 APPROVED

Sohil
 12/31/2015 6:34:32 PM



(93) Dibenzo(a,h)anthracene

28.716min (-0.033) 5.05ng/ul m

U.M
 11/16

response 50417

Ion	Exp%	Act%
278.00	100	100
139.00	11.20	10.96
279.00	23.90	27.31
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123015\
 Data File : BG020613.D
 Acq On : 30 Dec 2015 17:53
 Operator : UM/SJ
 Sample : G4802-19DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 31 01:22:00 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
 ClientSampleId :
 G9D94DL

Manual Integrations
 APPROVED

Sohil
 12/31/2015 6:34:32 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	18114	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	81768	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.70	164	61752	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	152807	20.00	ng/ul	0.00
78) Chrysene-d12	21.72	240	176477	20.00	ng/ul	0.00
86) Perylene-d12	24.97	264	175769	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	3669	2.40	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	2361	2.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.59	132	3235	2.77	ng/ul	0.00
13) 4-Methylphenol-d8	8.77	113	2920	2.22	ng/ul	0.00
19) Nitrobenzene-d5	9.23	128	1628	2.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.96	143	2000	2.73	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.50	165	4265	3.06	ng/ul	0.00
29) 4-Chloroaniline-d4	11.02	131	1573m	0.95	ng/ul	0.01
44) Dimethylphthalate-d6	14.09	166	15884	3.14	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	20322	3.54	ng/ul	0.00
52) 4-Nitrophenol-d4	14.93	143	748m	0.94	ng/ul	0.03
58) Fluorene-d10	15.68	176	16863	3.68	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	1579	1.70	ng/ul	0.00
71) Anthracene-d10	17.54	188	26072	3.66	ng/ul	0.00
79) Pyrene-d10	19.83	212	30249	3.82	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.74	264	32258	3.68	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.92	128	9087	2.10	ng/ul#	96
34) 2-Methylnaphthalene	12.53	142	4795	1.48	ng/ul	92
45) Dimethylphthalate	14.14	163	6290	1.22	ng/ul#	99
48) Acenaphthylene	14.42	152	16650	2.72	ng/ul	96
59) Fluorene	15.74	166	8052	1.60	ng/ul#	89
70) Phenanthrene	17.48	178	189605	22.82	ng/ul	99
72) Anthracene	17.58	178	41041	4.83	ng/ul	98
77) Fluoranthene	19.49	202	448305	44.17	ng/ul	100
80) Pyrene	19.86	202	534509	52.29	ng/ul	99
83) Benzo(a)anthracene	21.69	228	305745	29.61	ng/ul	97
85) Chrysene	21.76	228	285531	29.38	ng/ul	98
88) Benzo(b)fluoranthene	23.94	252	363426	34.82	ng/ul	98
89) Benzo(k)fluoranthene	24.00	252	104278m	10.43	ng/ul	
91) Benzo(a)pyrene	24.82	252	286760	28.59	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	28.69	276	181193	15.15	ng/ul	97
93) Dibenzo(a,h)anthracene	28.72	278	50417m	5.05	ng/ul	
94) Benzo(g,h,i)perylene	29.86	276	180535	18.37	ng/ul	98

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