

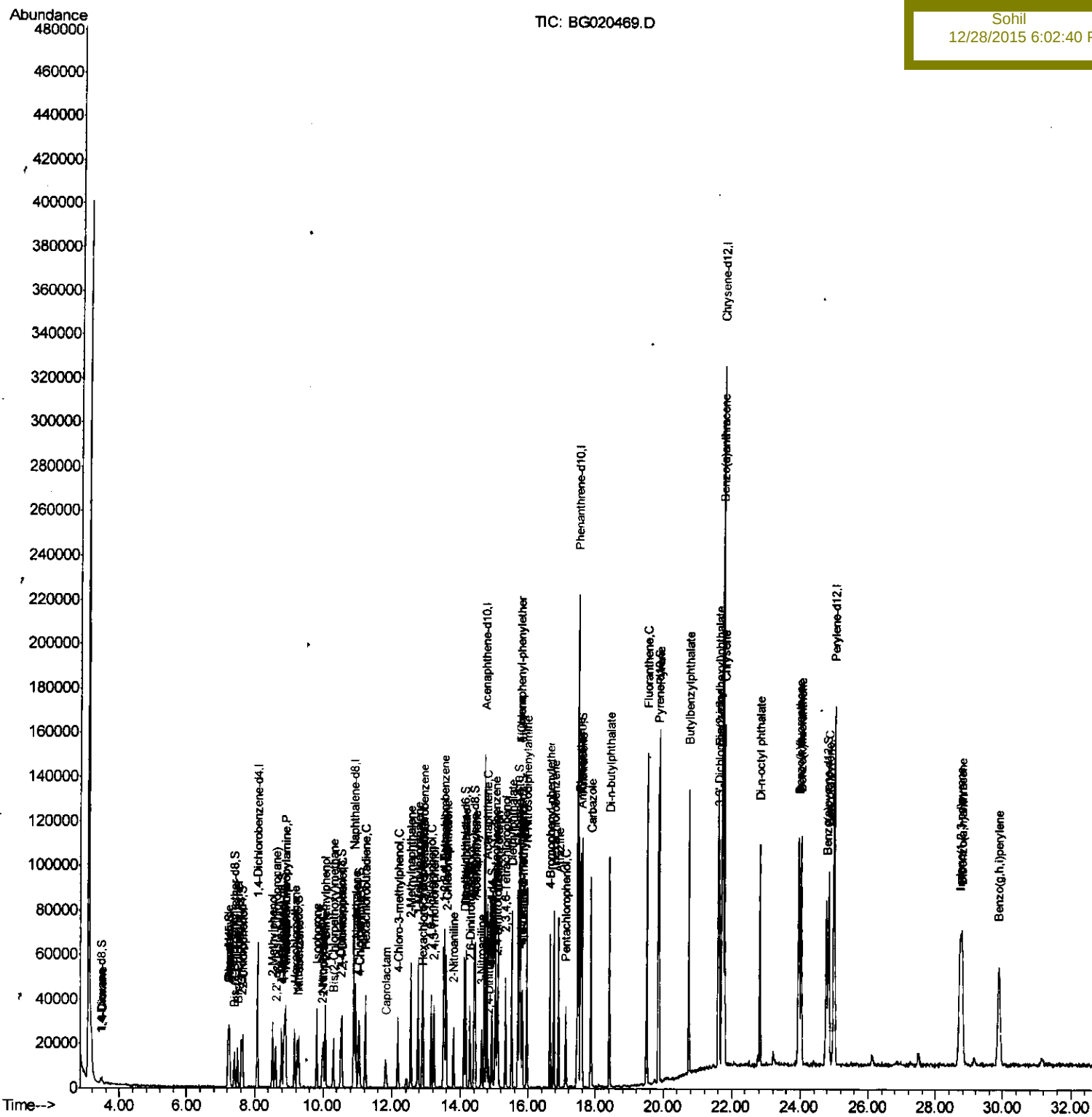
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Data Path : Z:\HPCHEM1\BNA_G\Data\BG122415\  
Data File : BG020469.D  
Acq On : 24 Dec 2015 10:50  
Operator : UM/SJ  
Sample : SSTD01002  
Misc :  
ALS Vial : 3 Sample Multiplier: 1
```

Quant Time: Dec 24 12:45:38 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 24 12:16:41 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD01002

Manual Integrations APPROVED

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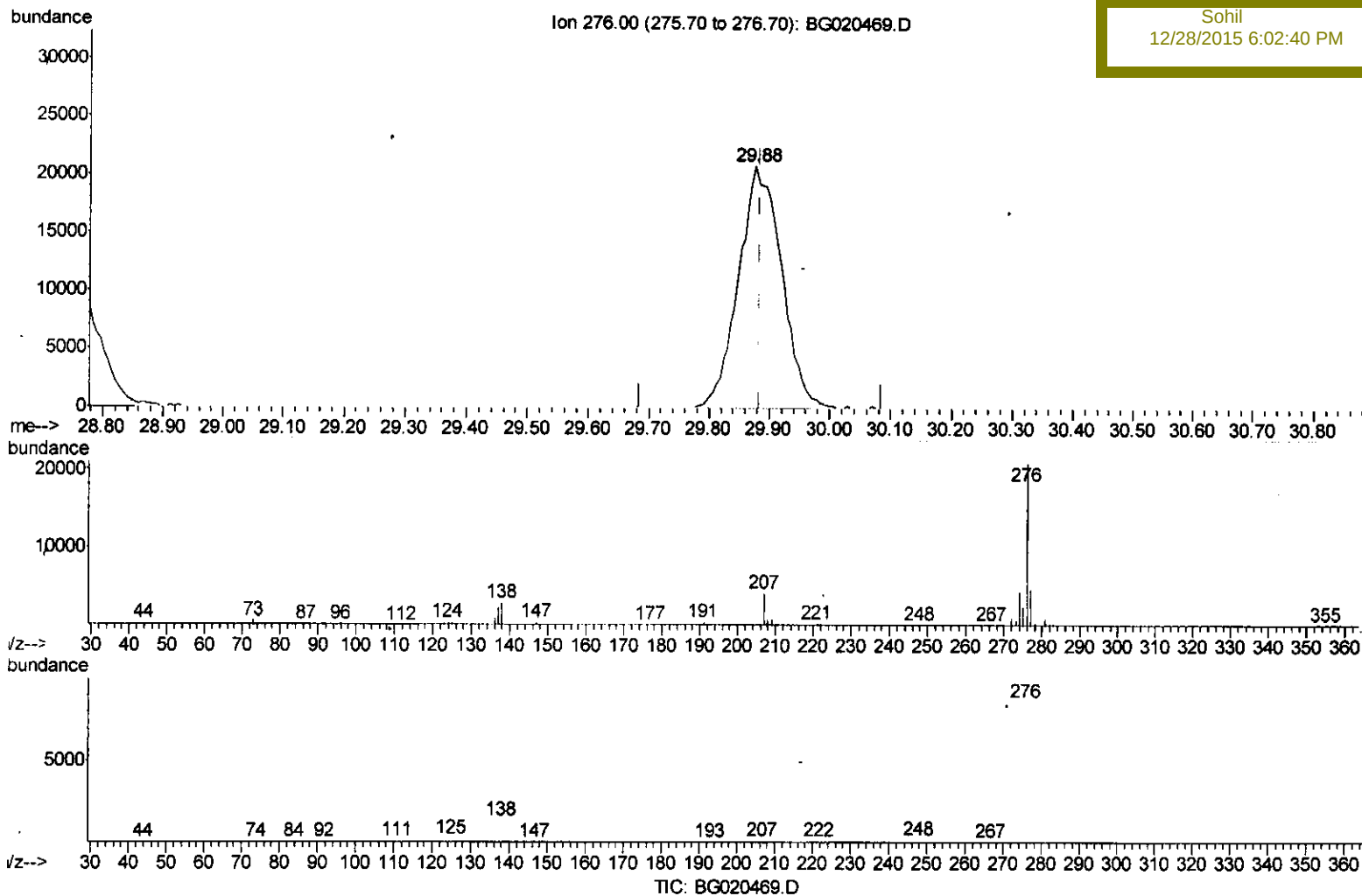
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122415\
 Data File : BG020469.D
 Acq On : 24 Dec 2015 10:50
 Operator : UM/SJ
 Sample : SST001002
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 12:43:28 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 24 12:16:41 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 SST001002

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

29.877min (-0.008) 9.61ng/ul m

response 102088

Ion	Exp%	Act%
276.00	100	100
138.00	13.50	13.68
277.00	24.90	22.61
0.00	0.00	0.00

U.M
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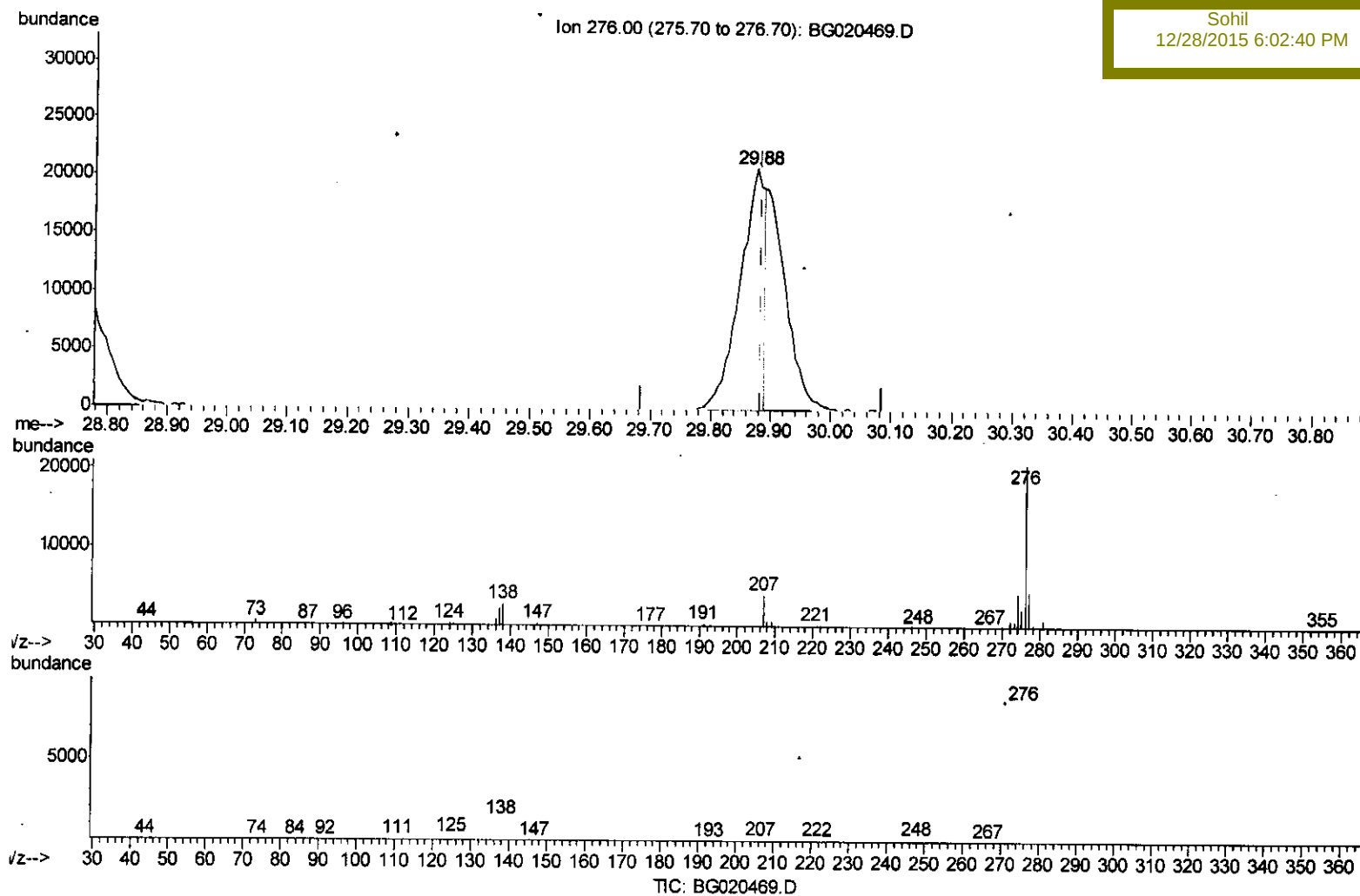
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122415\
 Data File : BG020469.D
 Acq On : 24 Dec 2015 10:50
 Operator : UM/SJ
 Sample : SST01002
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 12:43:28 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 24 12:16:41 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 SST01002

Manual Integrations
 APPROVED

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

29.877min (-0.008) 5.58ng/ul

response 59293

Ion	Exp%	Act%
276.00	100	100
138.00	13.50	13.68
277.00	24.90	22.61
0.00	0.00	0.00

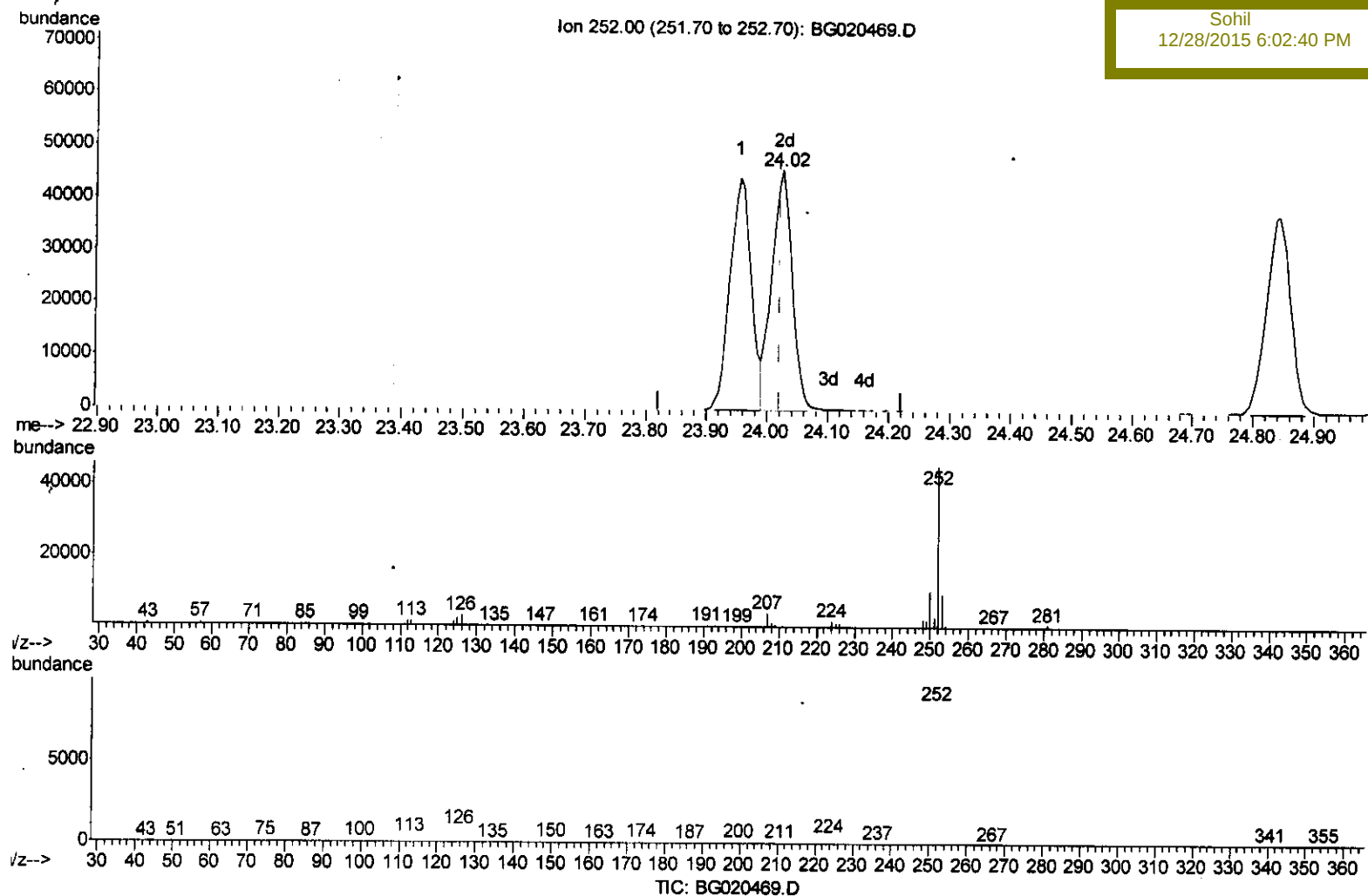
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122415\
 Data File : BG020469.D
 Acq On : 24 Dec 2015 10:50
 Operator : UM/SJ
 Sample : SST01002
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 12:43:28 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 24 12:16:41 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampled :
 SST01002

Manual Integrations
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(89) Benzo(k)fluoranthene

24.025min (+0.004) 9.52ng/ul m

response 105965

Ion	Exp%	Act%
252.00	100	100
253.00	22.40	20.55
125.00	7.20	5.40#
0.00	0.00	0.00

U.M
 12/25/15

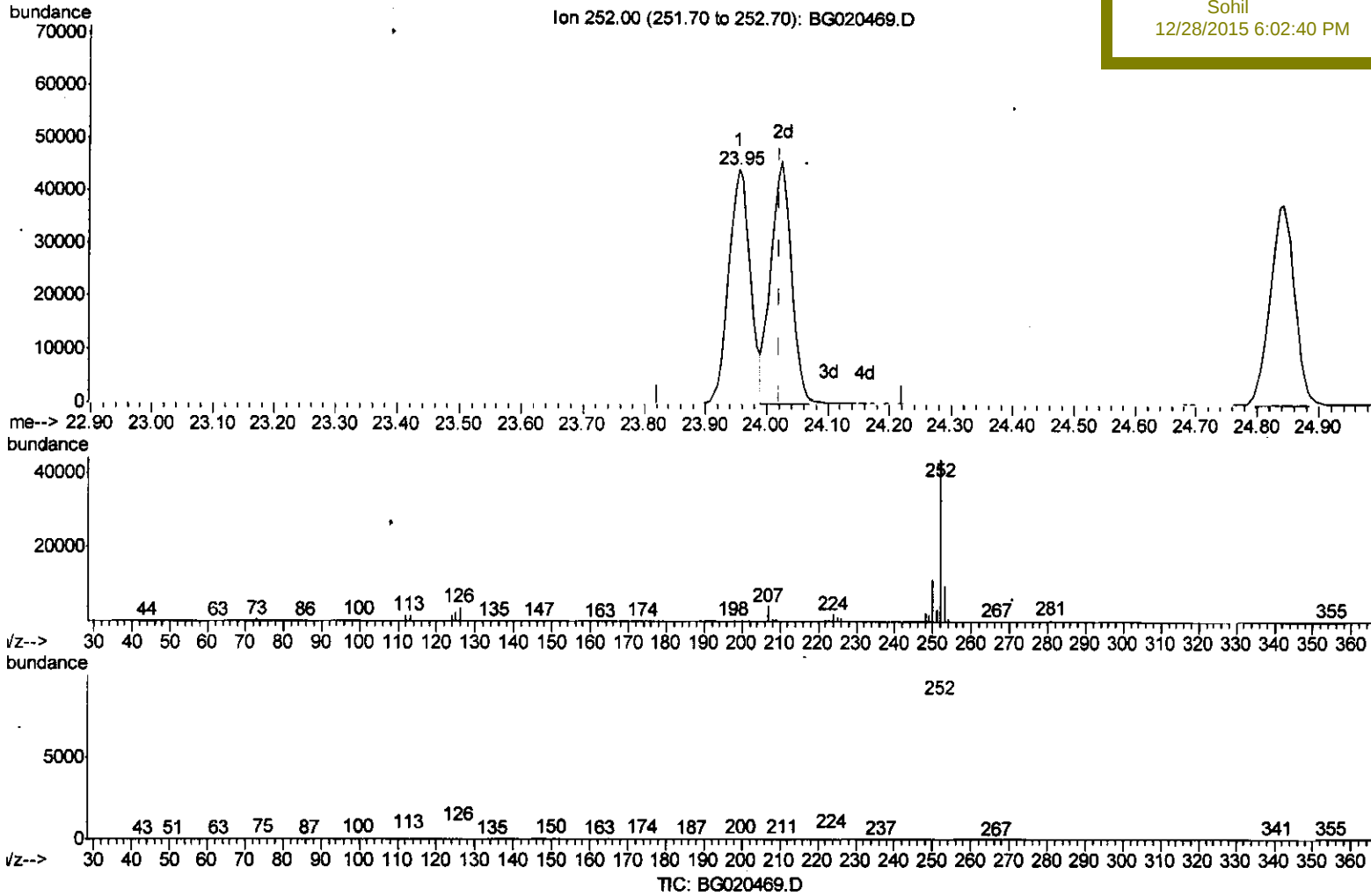
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122415\
Data File : BG020469.D
Acq On : 24 Dec 2015 10:50
Operator : UM/SJ
Sample : SSTD01002
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 12:43:28 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 24 12:16:41 2015
Response via : Initial Calibration

Instrument :
BNA_G
Client Sampled :
SSTD01002

Manual Integrations
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12/28/2015 6:02:40 PM



(89) Benzo(k)fluoranthene

23.954min (-0.067) 9.82ng/ul

response 109227

Ion	Exp%	Act%
252.00	100	100
253.00	22.40	22.48
125.00	7.20	5.88
0.00	0.00	0.00

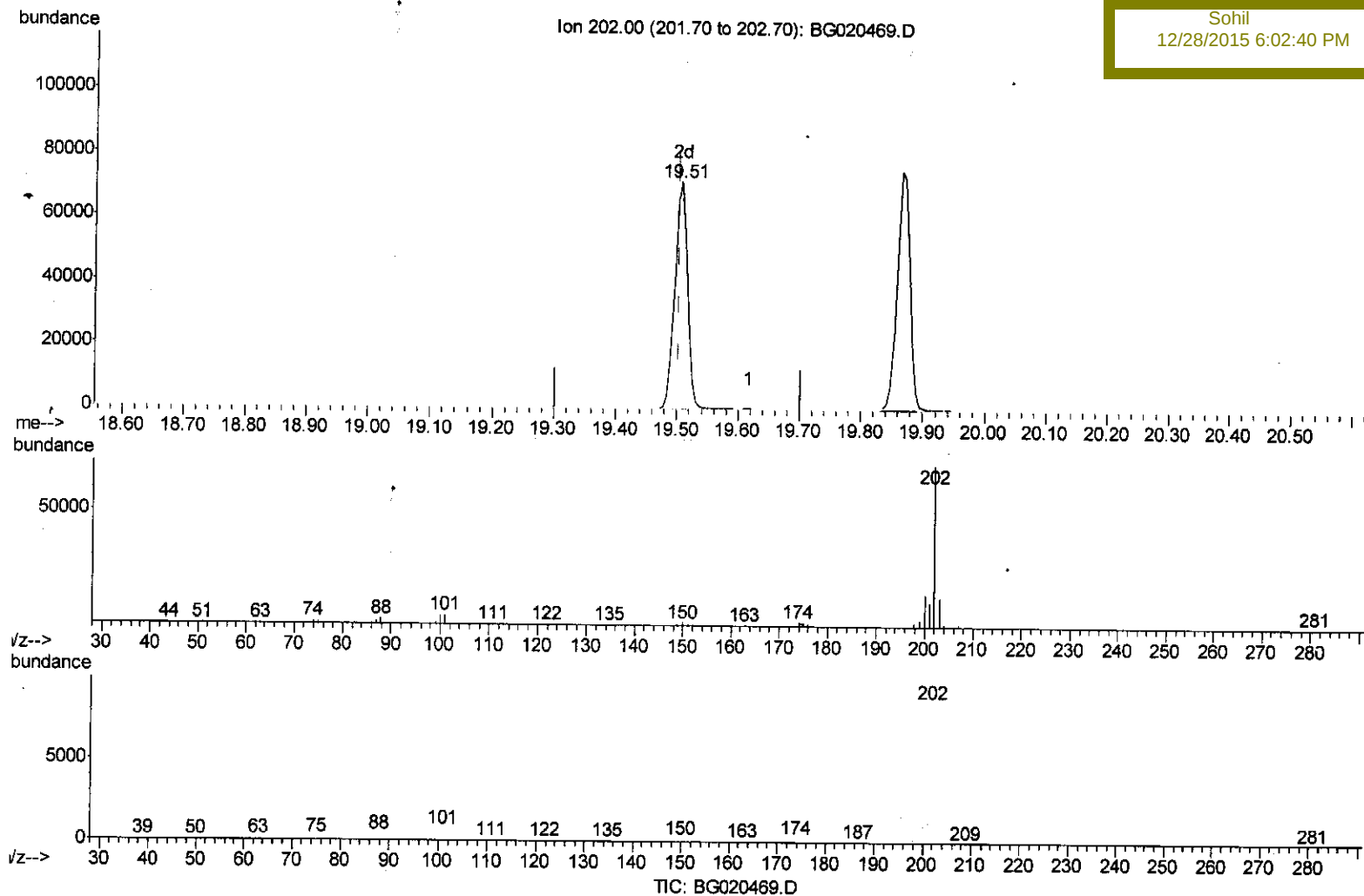
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122415\
 Data File : BG020469.D
 Acq On : 24 Dec 2015 10:50
 Operator : UM/SJ
 Sample : SST01002
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 12:43:28 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 24 12:16:41 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 SST01002

Manual Integrations
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(77) Fluoranthene (C)

19.507min (+0.004) 9.78ng/ul m

response 102665

Ion	Exp%	Act%
202.00	100	100
101.00	7.80	5.93#
100.00	6.40	5.60
0.00	0.00	0.00

U.M
 12/25/15

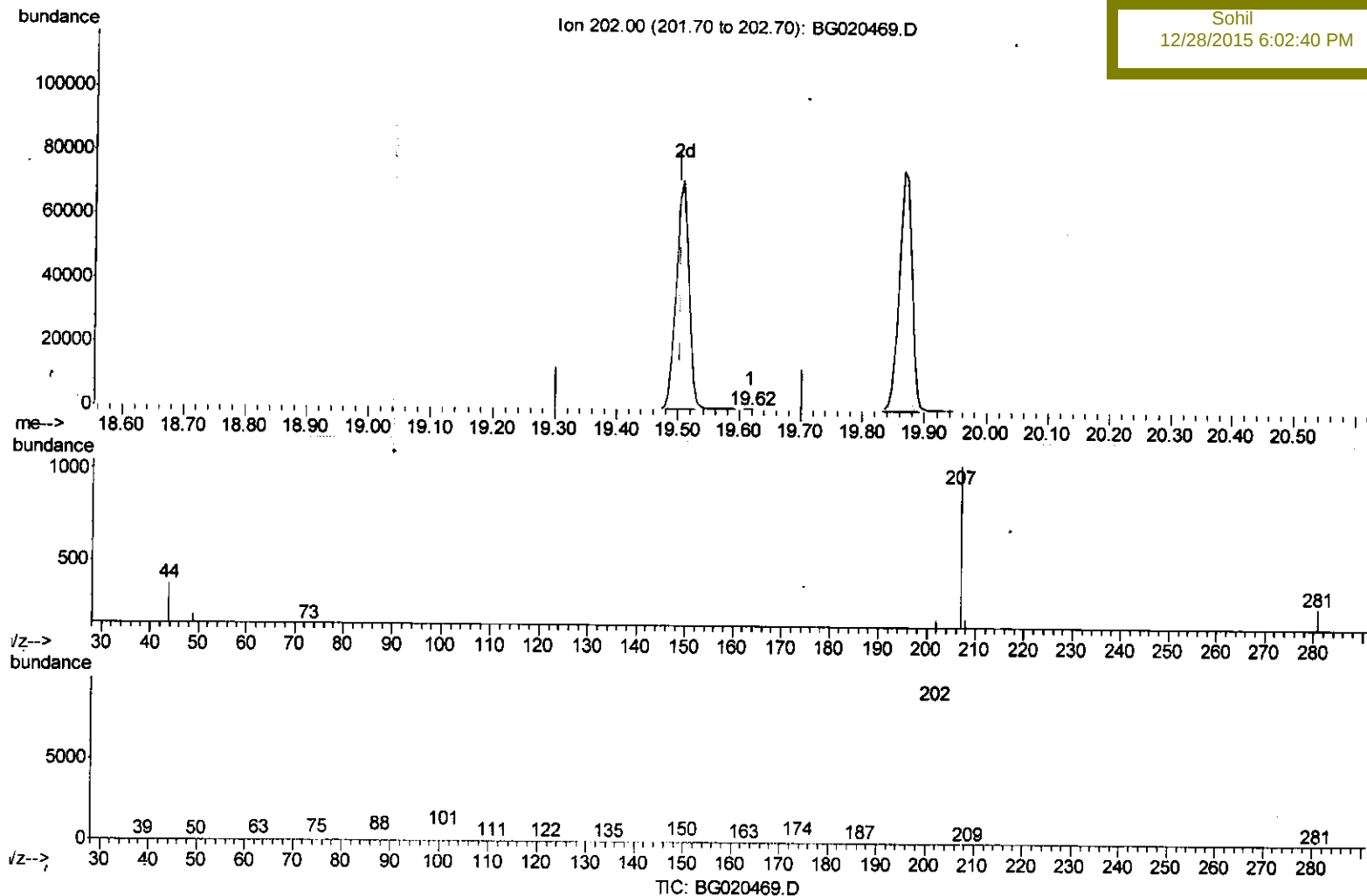
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122415\
 Data File : BG020469.D
 Acq On : 24 Dec 2015 10:50
 Operator : UM/SJ
 Sample : SSTD01002
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 12:43:28 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 24 12:16:41 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 SSTD01002

Manual Integrations
 APPROVED

Sohil
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(77) Fluoranthene (C)

19.618min (+0.115) 0.01ng/ul

response 138

Ion	Exp%	Act%
202.00	100	100
101.00	7.80	0.00#
100.00	6.40	0.00#
0.00	0.00	0.00

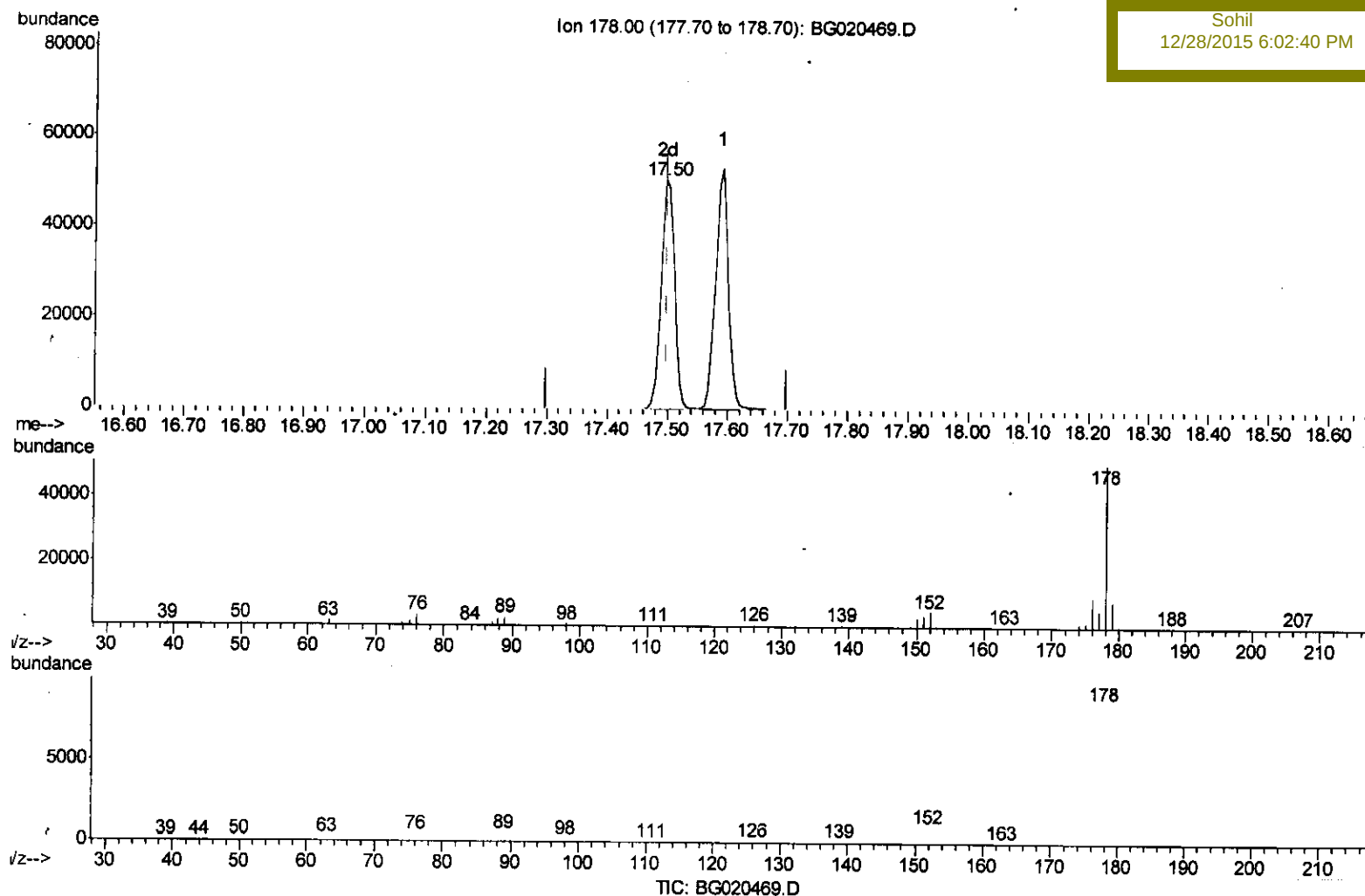
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122415\
 Data File : BG020469.D
 Acq On : 24 Dec 2015 10:50
 Operator : UM/SJ
 Sample : SSTD01002
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 12:43:28 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 24 12:16:41 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 SSTD01002

Manual Integrations
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 12/28/2015 6:02:40 PM



(70) Phenanthrene

17.497min (-0.002) 9.53ng/ul m

response 77433

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	16.00
176.00	19.10	18.75
0.00	0.00	0.00

U.M
 12/25/15

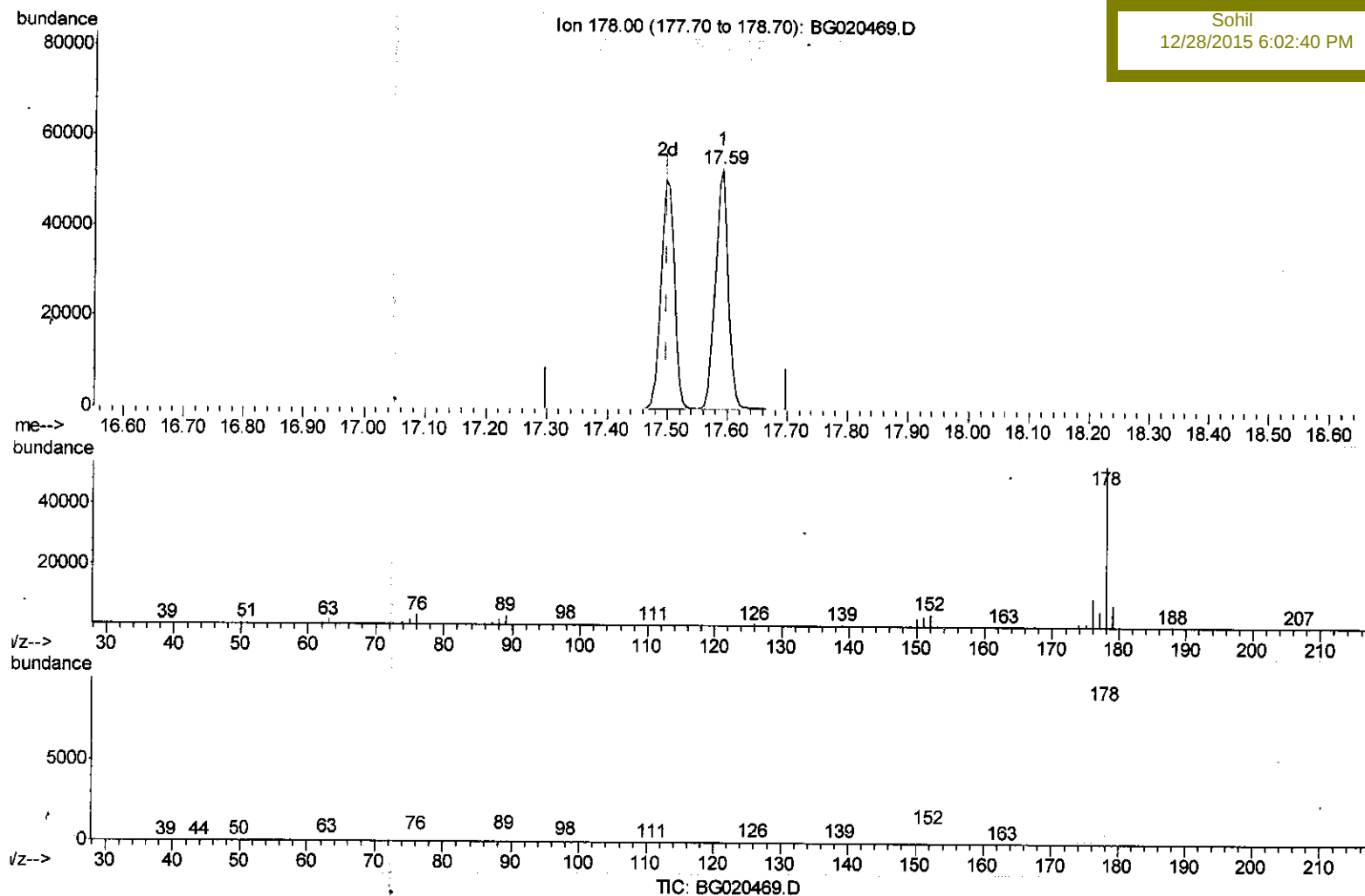
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122415\
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 Acq On : 24 Dec 2015 10:50
 Operator : UM/SJ
 Sample : SSTD01002
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 12:43:28 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 24 12:16:41 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 SSTD01002

Manual Integrations
 APPROVED

Sohil
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(70) Phenanthrene

17.591min (+0.092) 9.92ng/ul

response 80601

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	14.26
176.00	19.10	18.30
0.00	0.00	0.00

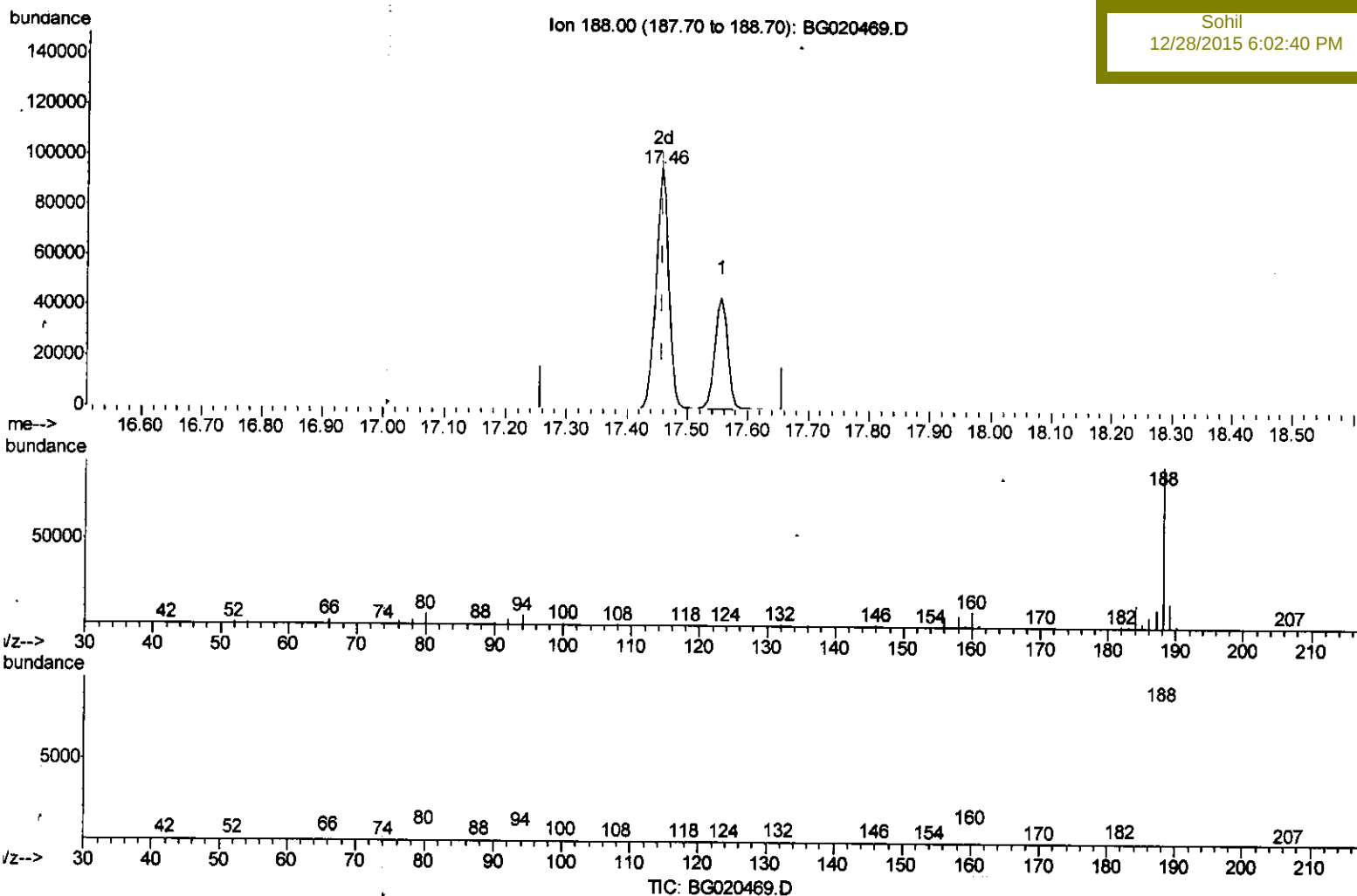
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122415\
 Data File : BG020469.D
 Acq On : 24 Dec 2015 10:50
 Operator : UM/SJ
 Sample : SST01002
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 12:41:27 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 24 12:16:41 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 SST01002

Manual Integrations
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 12/28/2015 6:02:40 PM



(62) Phenanthrene-d10 (I)

17.456min (-0.002) 20.00ng/ul m

response 140883

Ion	Exp%	Act%
188.00	100	100
94.00	6.90	6.17
80.00	8.90	6.97#
0.00	0.00	0.00

U.M
 12/25/15

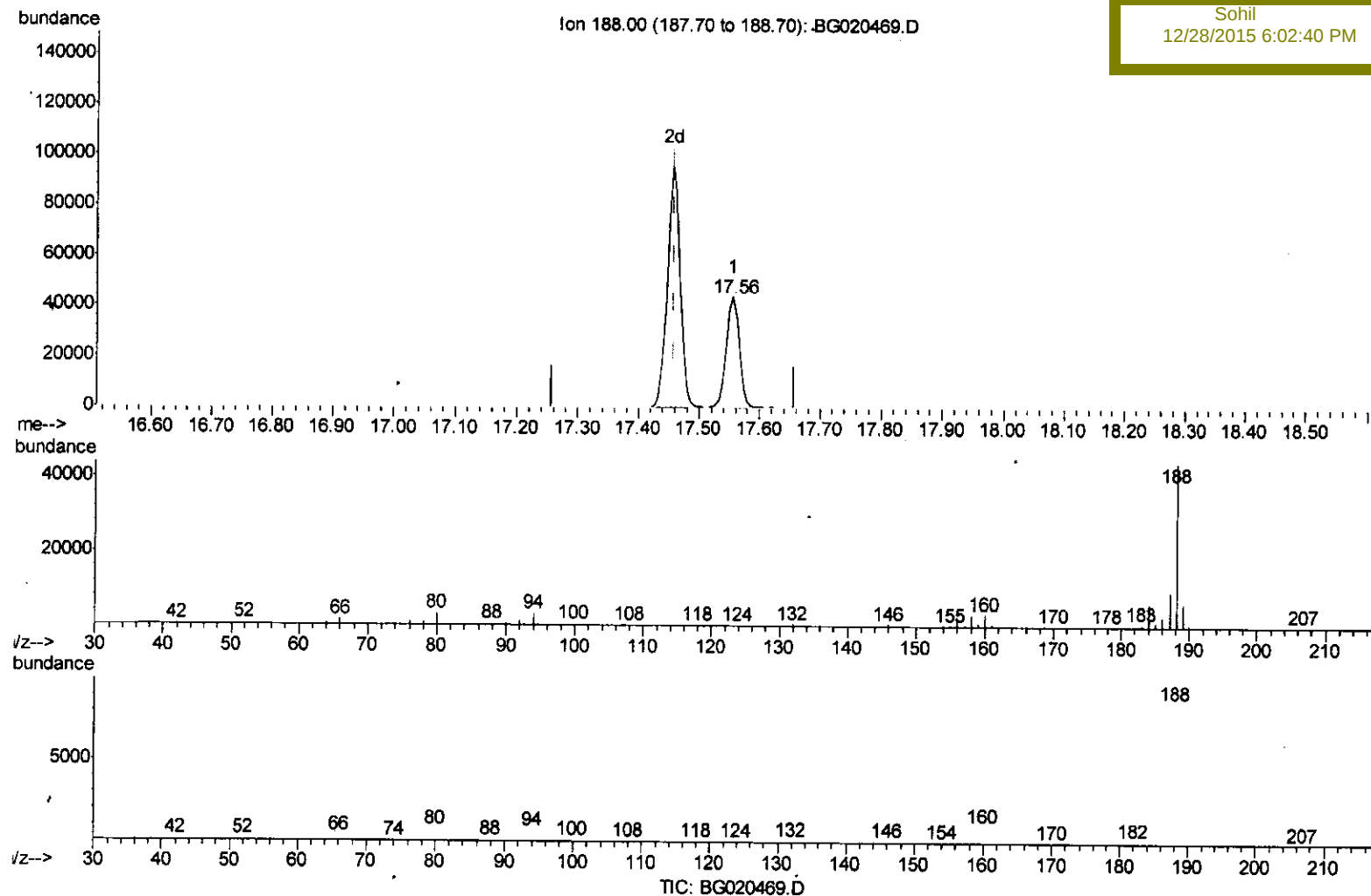
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122415\
Data File : BG020469.D
Acq On : 24 Dec 2015 10:50
Operator : UM/SJ
Sample : SSTD01002
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 12:41:27 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 24 12:16:41 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD01002

Manual Integrations
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12/28/2015 6:02:40 PM



(62) Phenanthrene-d10 (I)

17.556min (+0.098) 20.00ng/ul

response 65512

Ion	Exp%	Act%
188.00	100	100
94.00	6.90	7.38
80.00	8.90	7.37
0.00	0.00	0.00

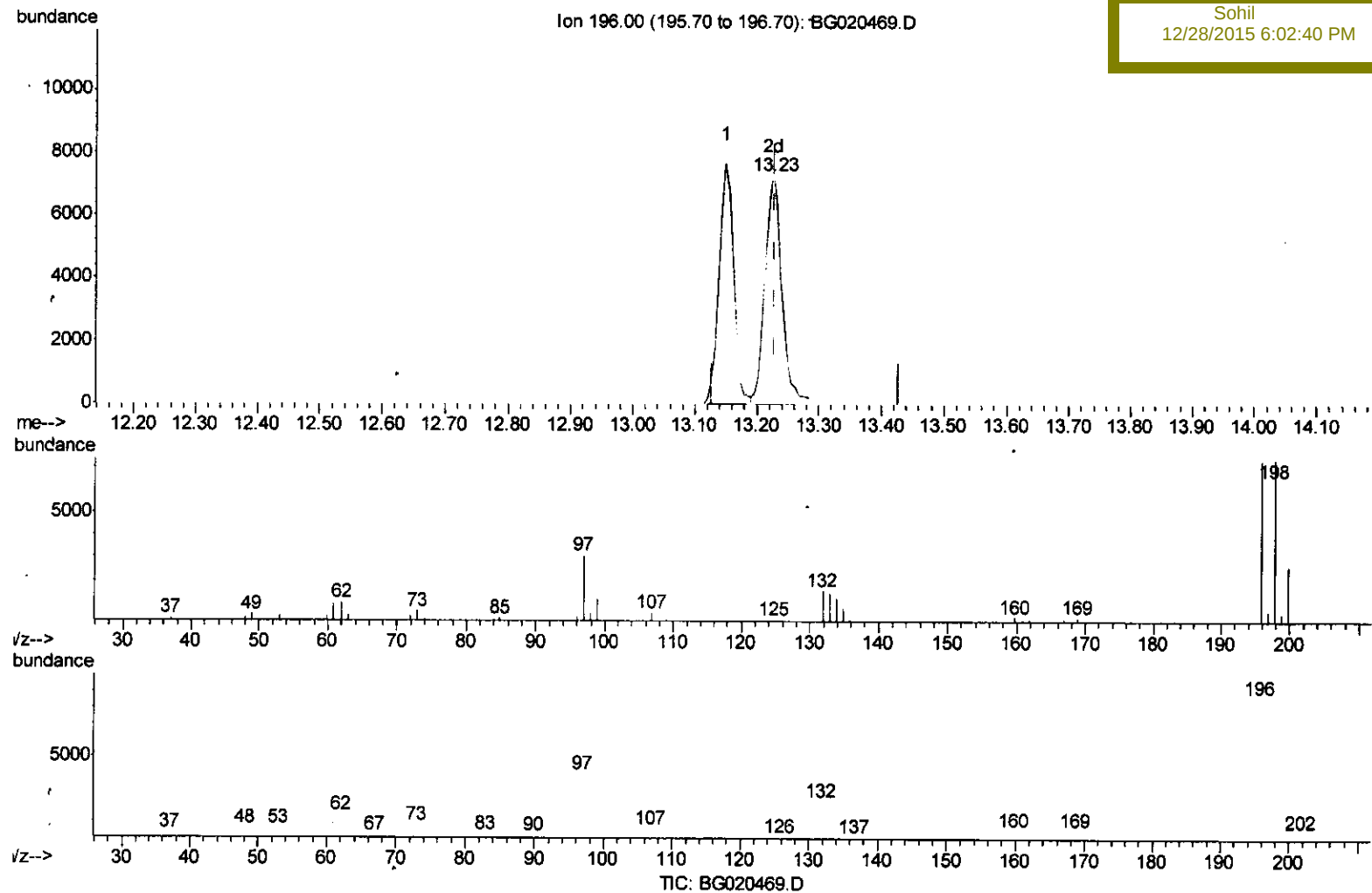
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122415\
 Data File : BG020469.D
 Acq On : 24 Dec 2015 10:50
 Operator : UM/SJ
 Sample : SST01002
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 12:41:27 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 24 12:16:41 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 SST01002

Manual Integrations
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 12/28/2015 6:02:40 PM



(40) 2,4,5-Trichlorophenol

13.226min (-0.002) 11.93ng/ul m

response 13563

Ion	Exp%	Act%
196.00	100	100
198.00	93.00	100.82
200.00	29.80	35.94#
0.00	0.00	0.00

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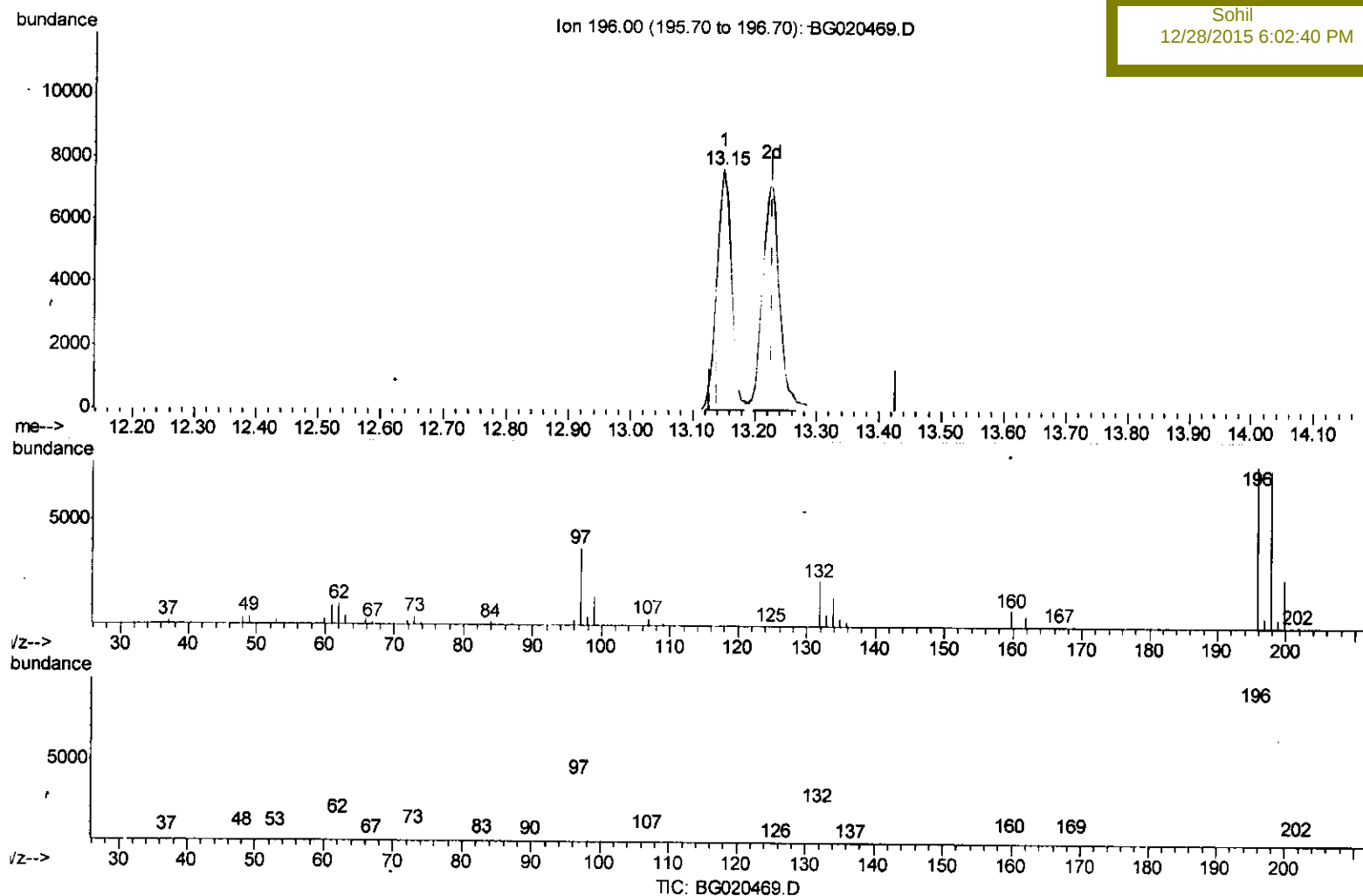
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122415\
 Data File : BG020469.D
 Acq On : 24 Dec 2015 10:50
 Operator : UM/SJ
 Sample : SST001002
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 12:41:27 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 24 12:16:41 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 SST001002

Manual Integrations
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 12/28/2015 6:02:40 PM



(40) 2,4,5-Trichlorophenol

13.149min (-0.079) 8.32ng/ul

response 9455

Ion	Exp%	Act%
196.00	100	100
198.00	93.00	97.49
200.00	29.80	31.74
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\Data\BG122415\
Data File : BG020469.D
Acq On : 24 Dec 2015 10:50
Operator : UM/SJ
Sample : SST01002
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 12:45:38 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 24 12:16:41 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD01002

Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\HPCHEM1\BNA_G\Data\BG122415\
 Data File : BG020469.D
 Acq On : 24 Dec 2015 10:50
 Operator : UM/SJ
 Sample : SSTD01002
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 24 12:45:38 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 24 12:16:41 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 SSTD01002

Manual Integrations
 APPROVED

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 12/28/2015 6:02:40 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 1-Methylnaphthalene	12.76	142	27201	9.35	ng/ul	89
37) 1,2,4,5-Tetrachlorobenzene	12.91	216	21185	9.70	ng/ul#	96
38) Hexachlorocyclopentadiene	12.88	237	8778	9.67	ng/ul	93
39) 2,4,6-Trichlorophenol	13.15	196	12439	9.84	ng/ul	98
40) 2,4,5-Trichlorophenol	13.23	196	13563m	11.93	ng/ul	
41) 1,1'-Biphenyl	13.54	154	39713	9.55	ng/ul#	96
42) 2-Chloronaphthalene	13.59	162	32835	9.71	ng/ul	96
43) 2-Nitroaniline	13.80	65	8578	9.59	ng/ul	87
45) Dimethylphthalate	14.16	163	43721	9.59	ng/ul#	98
46) 2,6-Dinitrotoluene	14.28	165	8333	9.40	ng/ul	94
48) Acenaphthylene	14.44	152	52309	9.62	ng/ul	99
49) 3-Nitroaniline	14.62	138	7808	9.52	ng/ul	85
50) Acenaphthene	14.78	153	35418	9.64	ng/ul	99
51) 2,4-Dinitrophenol	14.82	184	4127	10.13	ng/ul	98
53) 4-Nitrophenol	14.93	109	5429	9.41	ng/ul	86
54) Dibenzofuran	15.11	168	51296	9.34	ng/ul	96
55) 2,4-Dinitrotoluene	15.07	165	13138	9.72	ng/ul#	91
56) 2,3,4,6-Tetrachlorophenol	15.34	232	12863	9.51	ng/ul	96
57) Diethylphthalate	15.52	149	44448	9.52	ng/ul	98
59) Fluorene	15.76	166	42689	9.57	ng/ul	99
60) 4-Chlorophenyl-phenylether	15.75	204	24555	9.54	ng/ul	94
61) 4-Nitroaniline	15.78	138	8785	9.86	ng/ul	96
64) 4,6-Dinitro-2-methylphenol	15.83	198	8465	9.67	ng/ul#	99
65) N-Nitrosodiphenylamine	15.96	169	38116	9.64	ng/ul	95
66) 4-Bromophenyl-phenylether	16.64	248	16806	9.70	ng/ul	98
67) Hexachlorobenzene	16.76	284	19035	9.64	ng/ul#	86
68) Atrazine	16.90	200	17086	9.89	ng/ul	97
69) Pentachlorophenol	17.11	266	8814	9.76	ng/ul	94
70) Phenanthrene	17.50	178	77433m	9.53	ng/ul	
72) Anthracene	17.59	178	80601	9.79	ng/ul	98
73) 1,2,3,4-Tetrachlorobenzene	13.51	216	23331	10.00	ng/uL	97
74) Pentachlorobenzene	15.03	250	21340	9.81	ng/uL	93
75) Carbazole	17.86	167	67550	9.83	ng/ul	99
76) Di-n-butylphthalate	18.40	149	81662	9.87	ng/ul	99
77) Fluoranthene	19.51	202	102665m	9.78	ng/ul	
80) Pyrene	19.87	202	108549	9.63	ng/ul	97
81) Butylbenzylphthalate	20.74	149	37474	9.67	ng/ul	96
82) 3,3'-Dichlorobenzidine	21.63	252	38574	9.96	ng/ul#	97
83) Benzo(a)anthracene	21.71	228	110494	9.59	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.60	149	54926	9.61	ng/ul	99
85) Chrysene	21.78	228	108069	9.74	ng/ul	99
87) Di-n-octyl phthalate	22.83	149	94588	9.57	ng/ul	100
88) Benzo(b)fluoranthene	23.95	252	109227	9.60	ng/ul#	96
89) Benzo(k)fluoranthene	24.02	252	105965m	9.52	ng/ul	
91) Benzo(a)pyrene	24.84	252	105331	9.61	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	28.72	276	123242	9.53	ng/ul	96
93) Dibenzo(a,h)anthracene	28.77	278	102428	9.58	ng/ul#	96
94) Benzo(g,h,i)perylene	29.88	276	102088m	9.61	ng/ul	

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Data Path : Z:\HPCHEM1\BNA_G\Data\BG122415\
 Data File : BG020469.D
 Acq On : 24 Dec 2015 10:50
 Operator : UM/SJ
 Sample : SSTD01002
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD01002

Manual Integrations
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 12/28/2015 6:02:40 PM

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Quant Time: Dec 24 12:45:38 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 24 12:16:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	19905	20.00	ng/ul	0.00
18) Naphthalene-d8	10.89	136	77424	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	53540	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	140883m	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	192444	20.00	ng/ul	0.00
86) Perylene-d12	24.99	264	187253	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.45	96	1426	9.78	ng/uL	0.00
5) Phenol-d5	7.24	99	13570	9.35	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	8564	9.52	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	11091	9.31	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	11276	9.13	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	5769	9.64	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	6486	9.82	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	12581	9.63	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	14337	9.78	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	42489	9.47	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	50419	9.74	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	5792	9.11	ng/ul	0.00
58) Fluorene-d10	15.70	176	38776	9.56	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	8040	9.97	ng/ul	0.00
71) Anthracene-d10	17.56	188	65259	9.71	ng/ul	0.00
79) Pyrene-d10	19.84	212	80565	9.54	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.77	264	91054	9.57	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.49	88	1738	10.50	ng/uL	85
4) Benzaldehyde	7.22	77	9359	9.33	ng/ul	98
6) Phenol	7.26	94	14217	9.50	ng/ul	94
8) Bis(2-Chloroethyl)ether	7.49	93	11132	9.52	ng/ul#	94
10) 2-Chlorophenol	7.64	128	11897	9.48	ng/ul	98
11) 2-Methylphenol	8.53	108	10960	9.39	ng/ul	94
12) 2,2'-oxybis(1-Chloropropan	8.61	45	14642	9.42	ng/ul#	92
14) Acetophenone	8.90	105	19487	9.54	ng/ul	94
15) N-Nitroso-di-n-propylamine	8.88	70	9930	9.34	ng/ul	95
16) 4-Methylphenol	8.85	108	11994	9.25	ng/ul	91
17) Hexachloroethane	9.17	117	5115	9.55	ng/ul#	84
20) Nitrobenzene	9.29	77	14354	9.54	ng/ul	92
21) Isophorone	9.81	82	27552	9.66	ng/ul#	96
23) 2-Nitrophenol	10.01	139	6874	9.74	ng/ul	97
24) 2,4-Dimethylphenol	10.06	107	14702	9.68	ng/ul	95
25) Bis(2-Chloroethoxy)methane	10.29	93	15291	9.60	ng/ul	93
27) 2,4-Dichlorophenol	10.54	162	12863	9.61	ng/ul	96
28) Naphthalene	10.95	128	40293	9.67	ng/ul	99
30) 4-Chloroaniline	11.05	127	14374	9.62	ng/ul	98
31) Hexachlorobutadiene	11.22	225	10876	9.49	ng/ul	96
32) Caprolactam	11.82	113	3903	9.74	ng/ul	85
33) 4-Chloro-3-methylphenol	12.17	107	13265	9.48	ng/ul	88
34) 2-Methylnaphthalene	12.54	142	29139	9.55	ng/ul	100