

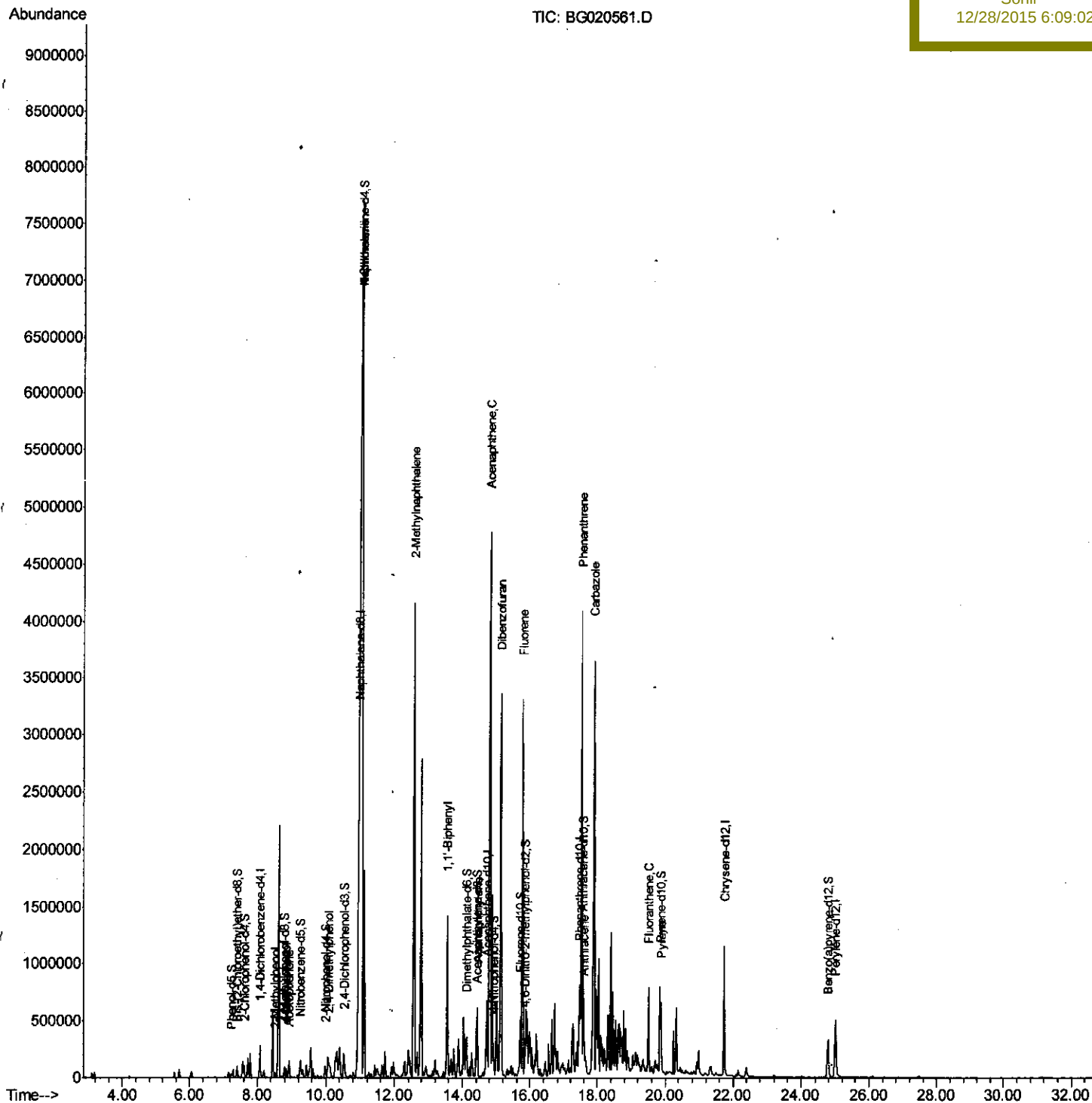
```
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122615\  
Data File : BG020561.D  
Acq On    : 27 Dec 2015 19:14  
Operator  : UM/SJ  
Sample    : G4846-08  
Misc      :  
ALS Vial  : 27 Sample Multiplier: 1
```

Quant Time: Dec 28 05:57:46 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 28 04:59:10 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N54

Manual Integrations APPROVED

Sohil
12/28/2015 6:09:02 PM



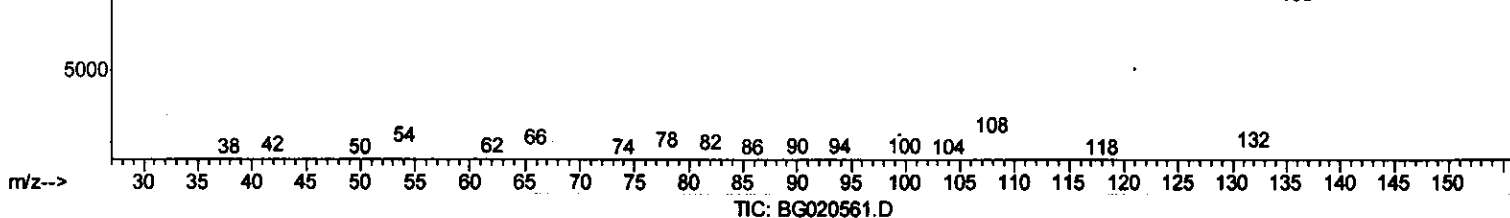
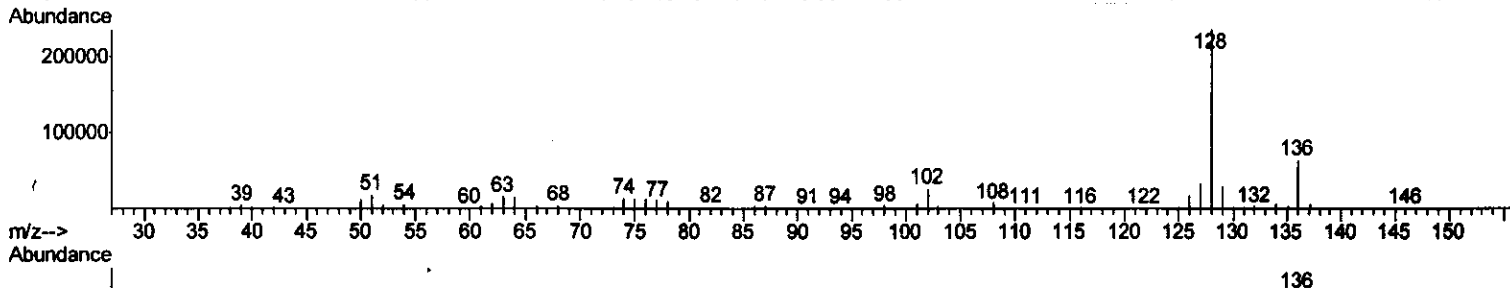
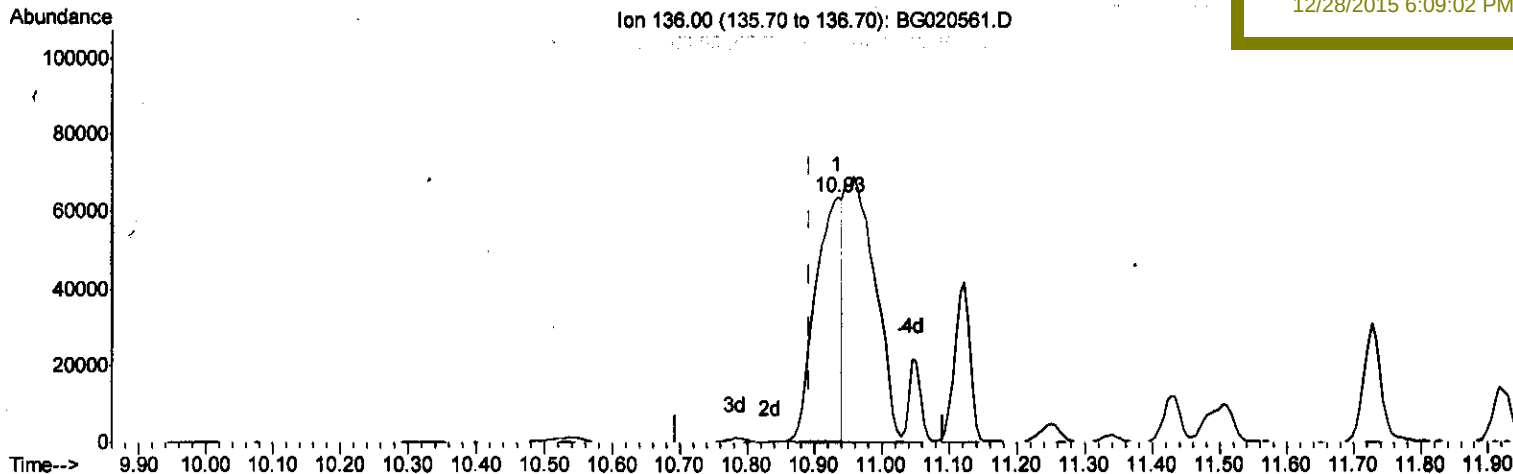
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122615\
Data File : BG020561.D
Acq On : 27 Dec 2015 19:14
Operator : UM/SJ
Sample : G4846-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 28 05:02:04 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 28 04:59:10 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N54

Manual Integrations
APPROVED

Sohil
12/28/2015 6:09:02 PM



(18) Naphthalene-d8 (I)

10.935min (+0.042) 20.00ng/ul

response 175083

Ion	Exp%	Act%
136.00	100	100
68.00	5.80	5.90
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

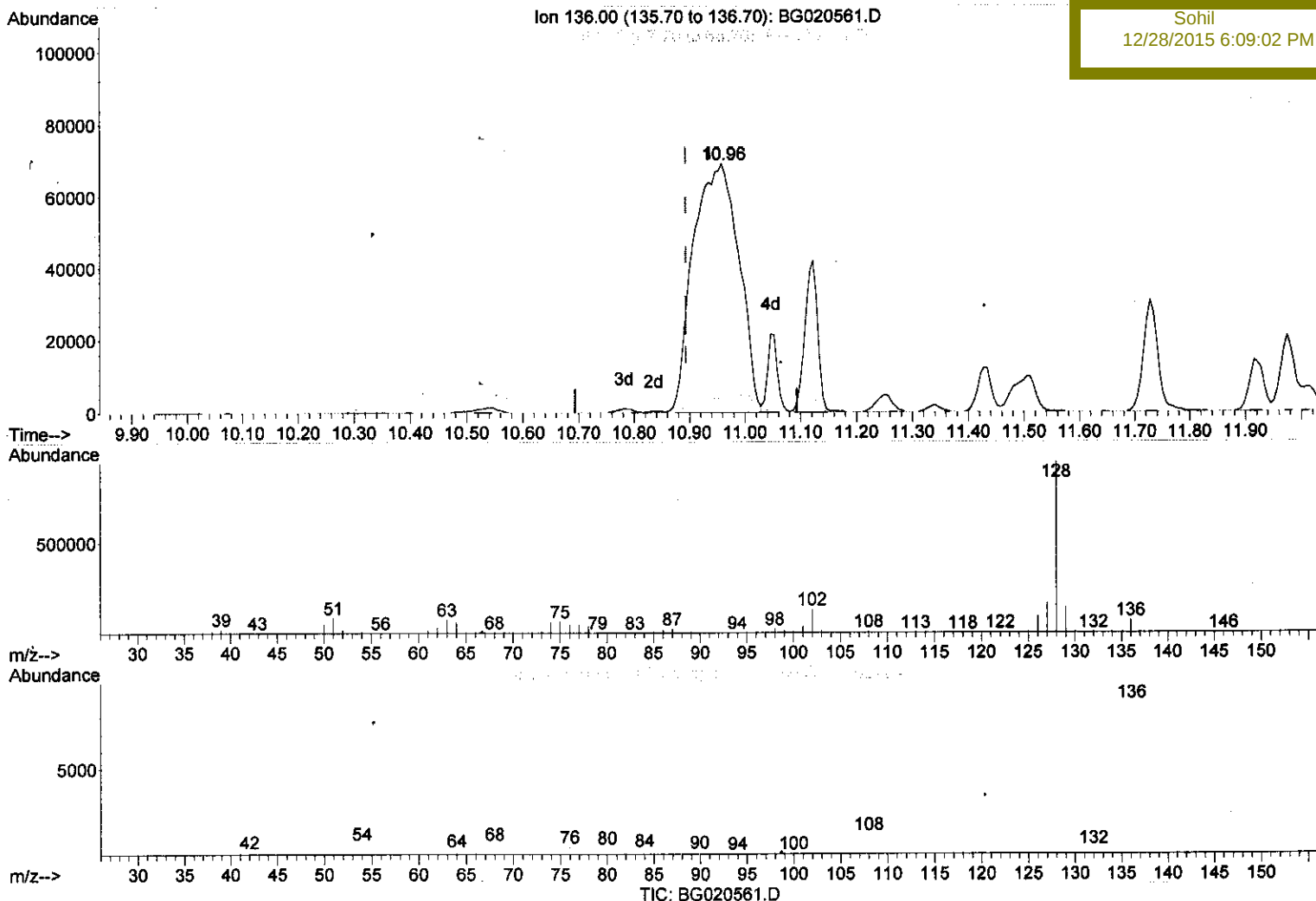
Data Path : Z:\HPCHEM1\BNA G\Data\BG122615\
 Data File : BG020561.D
 Acq On : 27 Dec 2015 19:14
 Operator : UM/SJ
 Sample : G4846-08
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 28 05:57:46 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 04:59:10 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampled :
 D9N54

Manual Integrations
 APPROVED

Sohil
 12/28/2015 6:09:02 PM



(18) Naphthalene-d8 (I)

10.958min (+0.065) 20.00ng/ul m

response 391495

Ion	Exp%	Act%
136.00	100	100
68.00	5.80	4.89
0.00	0.00	0.00
0.00	0.00	0.00

U.M
 11/2/16

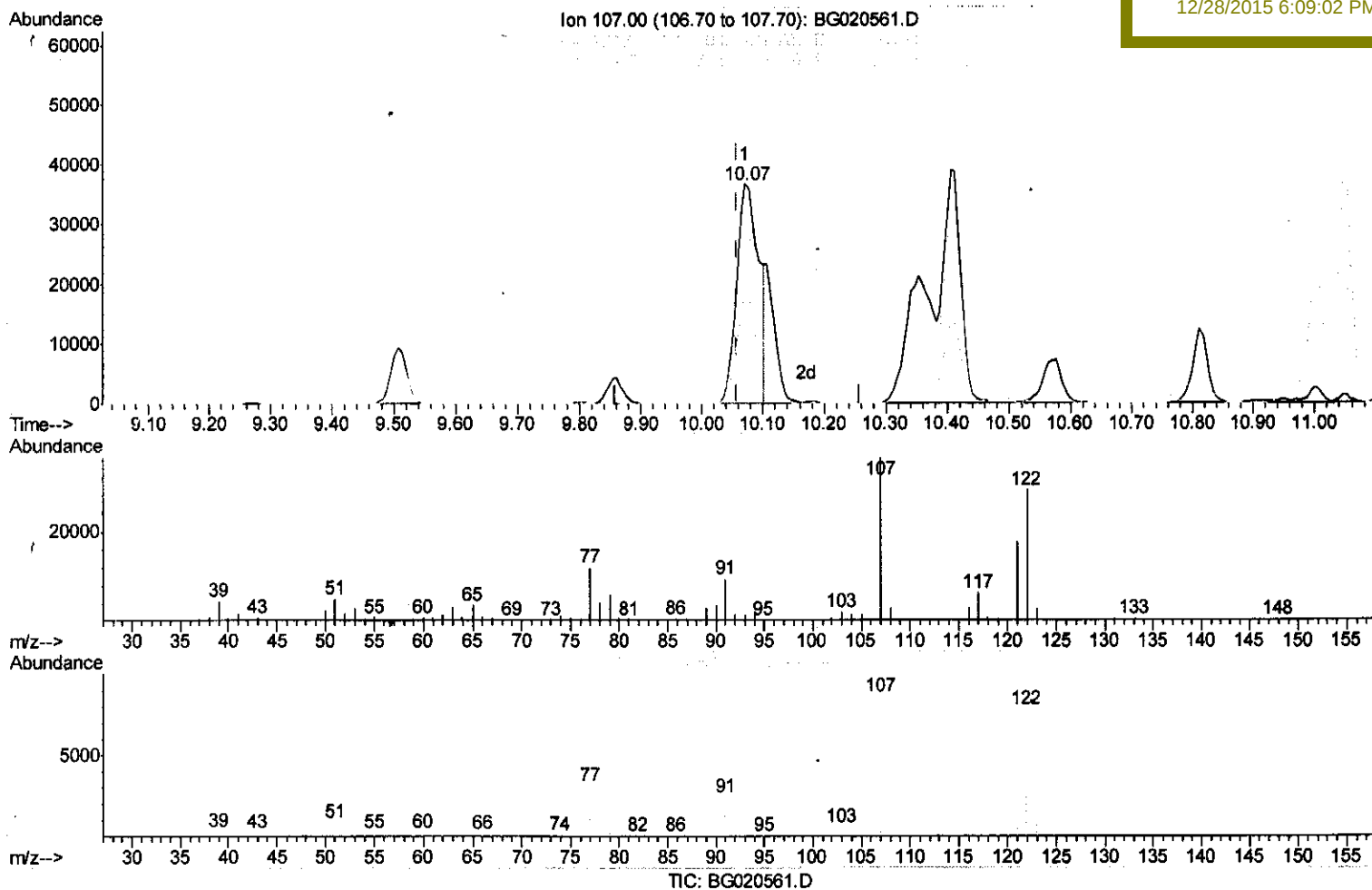
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122615\
Data File : BG020561.D
Acq On : 27 Dec 2015 19:14
Operator : UM/SJ
Sample : G4846-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 28 05:55:11 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 28 04:59:10 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N54

Manual Integrations
APPROVED

Sohil
12/28/2015 6:09:02 PM



(24) 2,4-Dimethylphenol

10.071min (+0.012) 11.57ng/ul

response 90614

Ion	Exp%	Act%
107.00	100	100
121.00	48.70	48.27
122.00	77.60	79.97
0.00	0.00	0.00

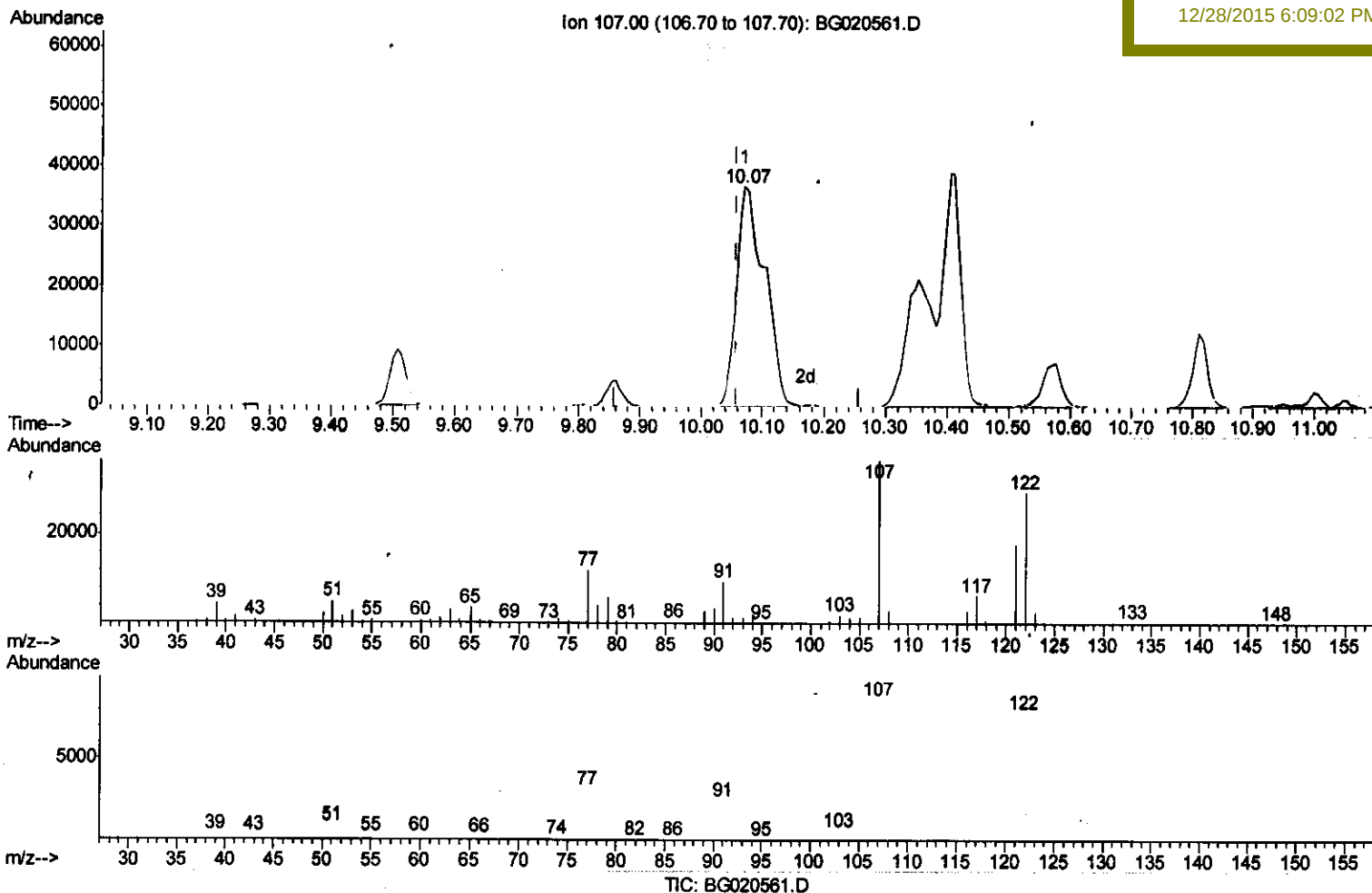
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122615\
Data File : BG020561.D
Acq On : 27 Dec 2015 19:14
Operator : UM/SJ
Sample : G4846-08
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 28 05:55:11 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 28 04:59:10 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N54

Manual Integrations
APPROVED

Sohil
12/28/2015 6:09:02 PM



(24) 2,4-Dimethylphenol

10.071min (+0.012) 14.90ng/ul m

response 116670

Ion Exp% Act%

107.00	100	100
121.00	48.70	48.27
122.00	77.60	79.97
0.00	0.00	0.00

Quantitation Report (Qedit)

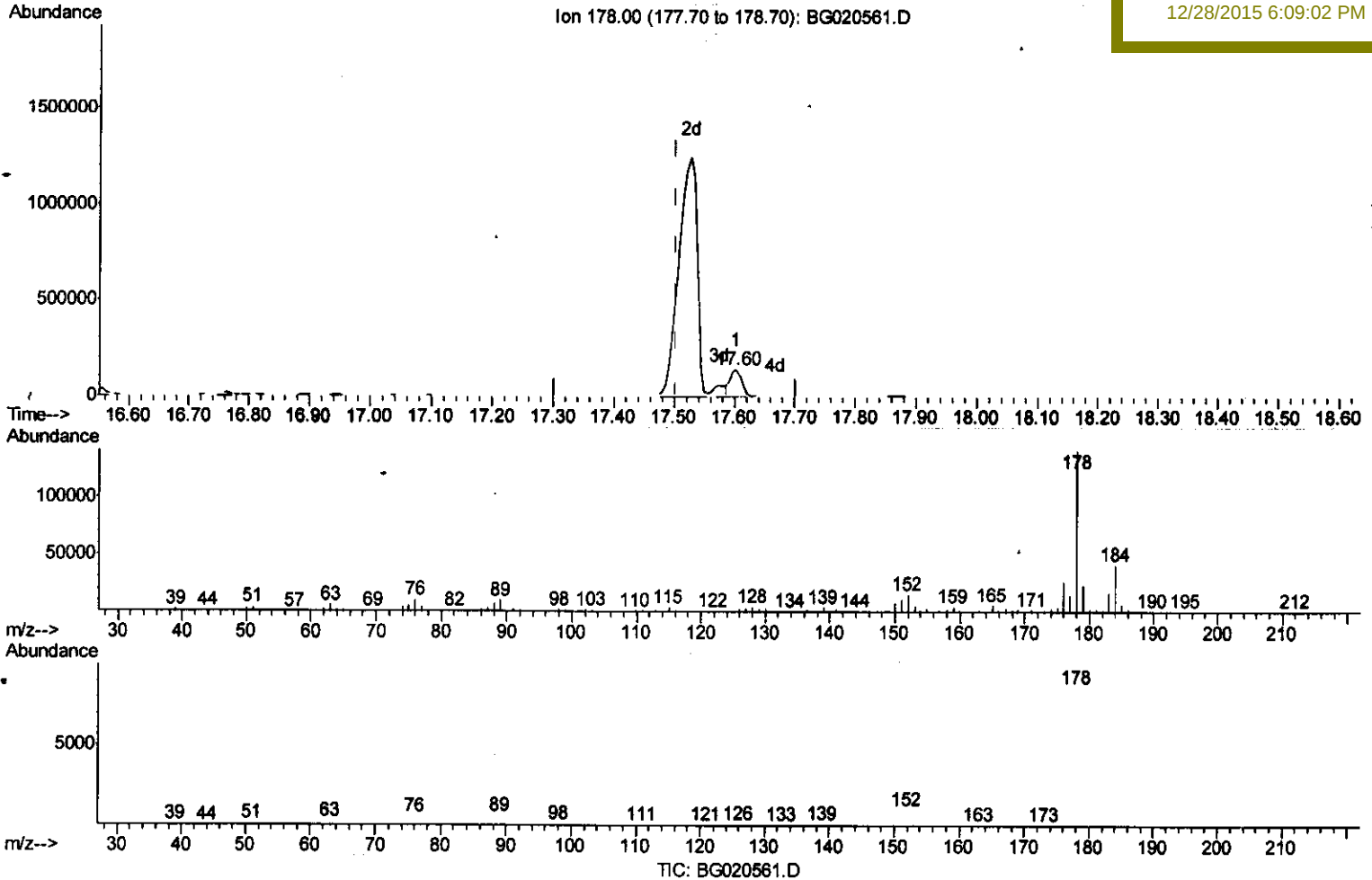
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122615\
 Data File : BG020561.D
 Acq On : 27 Dec 2015 19:14
 Operator : UM/SJ
 Sample : G4846-08
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 28 05:55:11 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 04:59:10 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 D9N54

Manual Integrations
 APPROVED

Sohil
 12/28/2015 6:09:02 PM



(70) Phenanthrene

17.603min (+0.100) 5.81ng/ul

response 189803

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	16.39
176.00	19.10	18.44
0.00	0.00	0.00

Quantitation Report (Qedit)

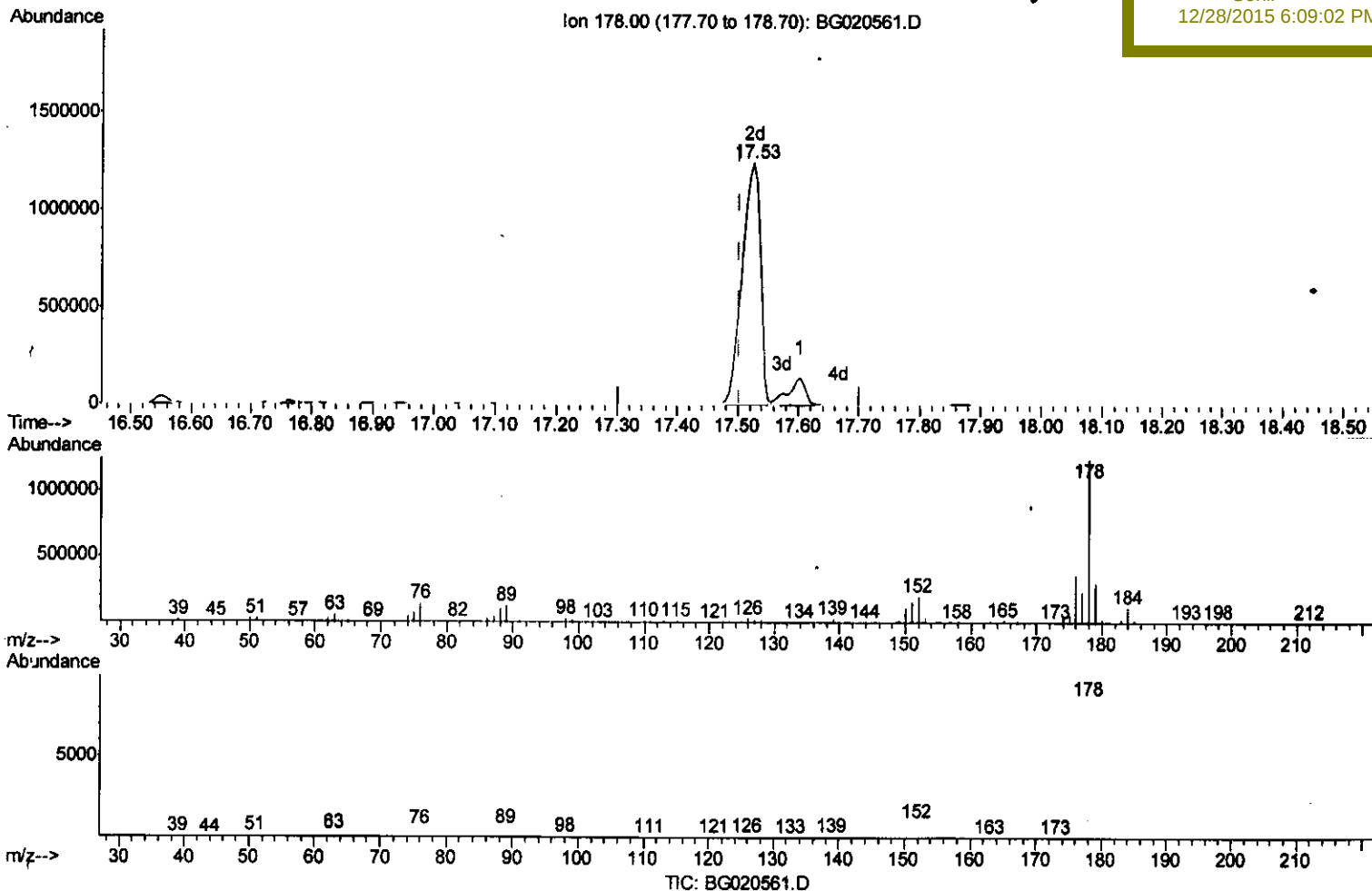
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122615\
 Data File : BG020561.D
 Acq On : 27 Dec 2015 19:14
 Operator : UM/SJ
 Sample : G4846-08
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 28 05:55:11 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 04:59:10 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 D9N54

Manual Integrations
 APPROVED

Sohil
 12/28/2015 6:09:02 PM



(70) Phenanthrene

17.527min (+0.024) 80.89ng/ul m U.M
11/2/16
 response 2642181

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	24.17#
176.00	19.10	28.74#
0.00	0.00	0.00

Quantitation Report (Qedit)

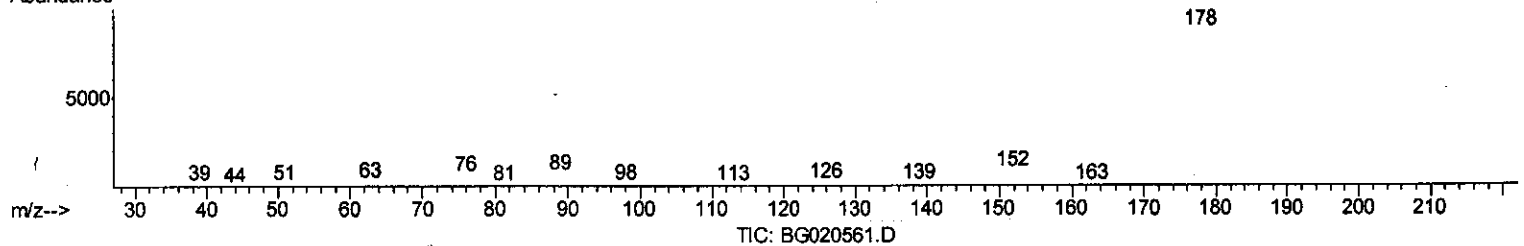
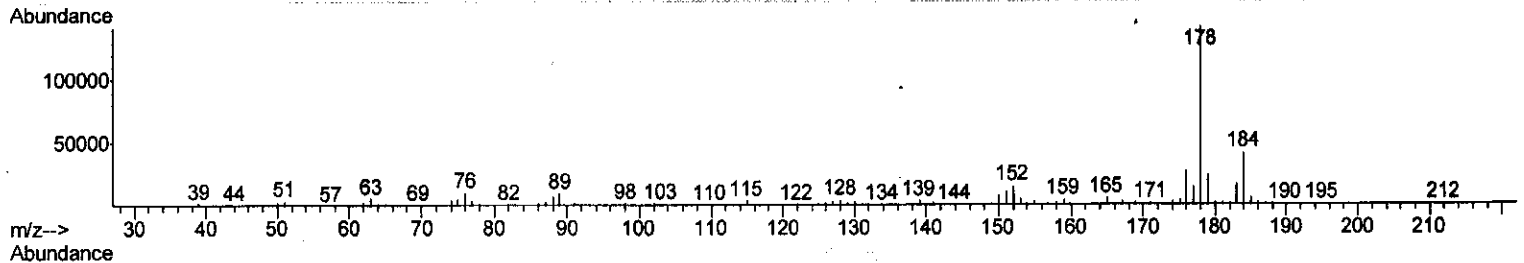
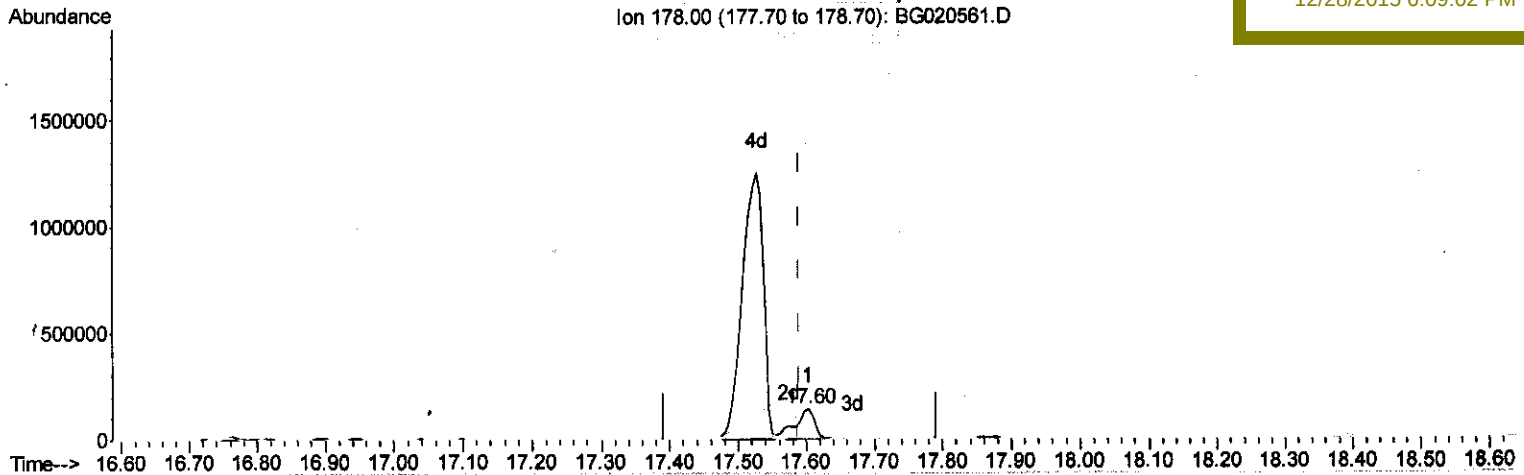
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122615\
 Data File : BG020561.D
 Acq On : 27 Dec 2015 19:14
 Operator : UM/SJ
 Sample : G4846-08
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 28 05:55:11 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 04:59:10 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 D9N54

Manual Integrations
 APPROVED

Sohil
 12/28/2015 6:09:02 PM



(72) Anthracene

17.603min (+0.012) 5.74ng/ul

response 191665

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	16.39
176.00	17.90	18.44
0.00	0.00	0.00

Quantitation Report (Qedit)

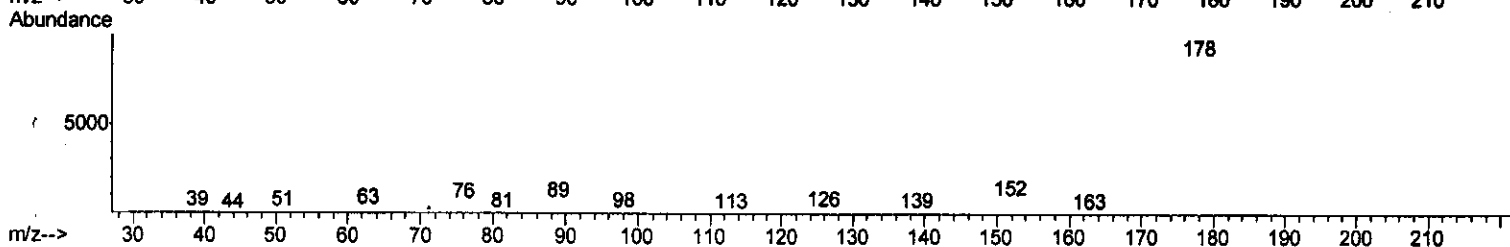
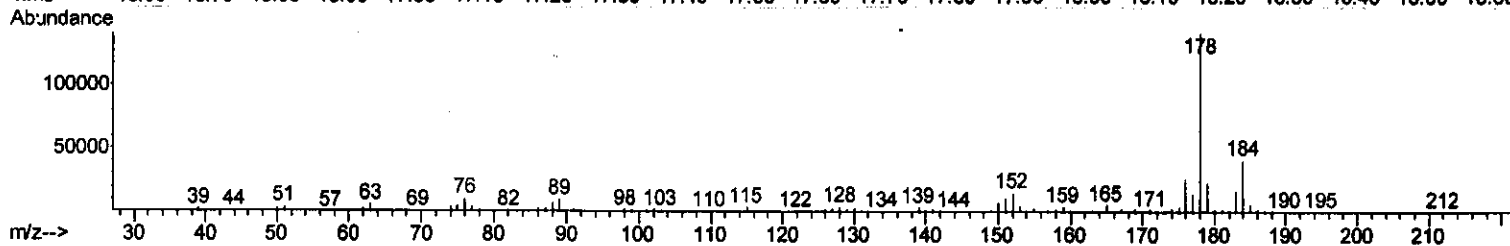
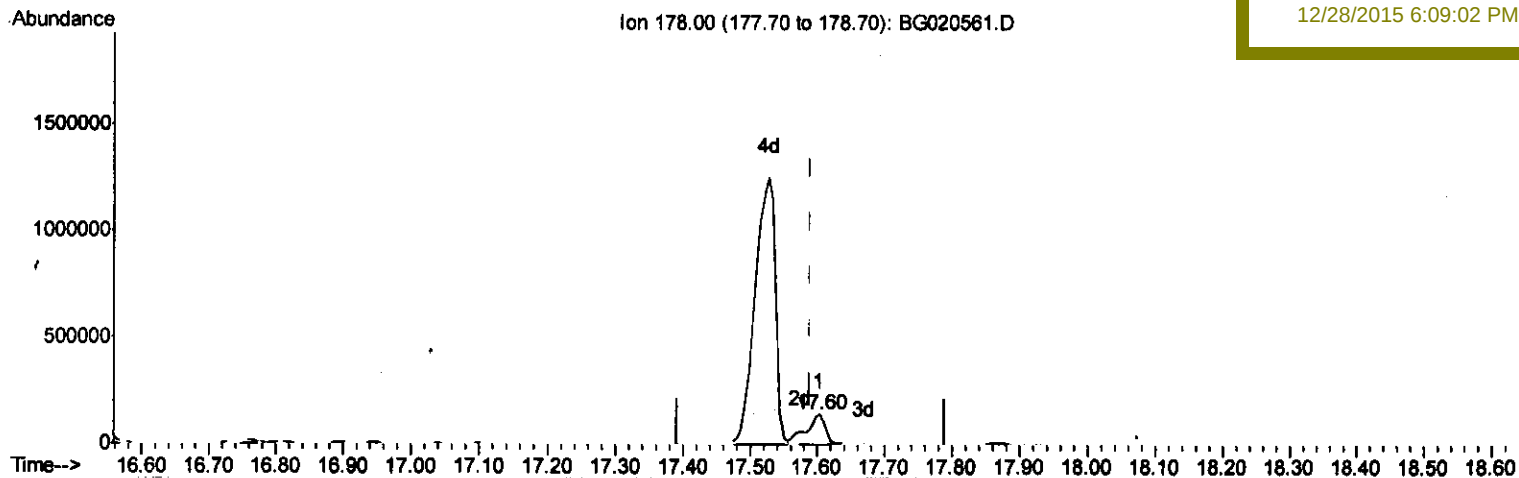
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122615\
 Data File : BG020561.D
 Acq On : 27 Dec 2015 19:14
 Operator : UM/SJ
 Sample : G4846-08
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 28 05:55:11 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 04:59:10 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 D9N54

Manual Integrations
 APPROVED

Sohil
 12/28/2015 6:09:02 PM



TIC: BG020561.D

(72) Anthracene

17.603min (+0.012) 8.47ng/ul m U.M
11216

response 282866

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	16.39
176.00	17.90	18.44
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\Data\BG122615\
 Data File : BG020561.D
 Acq On : 27 Dec 2015 19:14
 Operator : UM/SJ
 Sample : G4846-08
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N54

Quant Time: Dec 28 05:57:46 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 04:59:10 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Sohil
 12/28/2015 6:09:02 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	85143	20.00	ng/ul	0.00
18) Naphthalene-d8	10.96	136	391495m	20.00	ng/ul	0.07
36) Acenaphthene-d10	14.72	164	258933	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	587032	20.00	ng/ul	0.01
78) Chrysene-d12	21.74	240	715797	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	647827	20.00	ng/ul	0.00

U.M
 112116

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	792	0.51	ng/uL	0.00
5) Phenol-d5	7.23	99	21655	3.17	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	50409	12.45	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	54418	10.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	39526	6.88	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	37900	12.35	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	43347	12.42	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.54	165	71691	10.62	ng/ul	0.03
29) 4-Chloroaniline-d4	11.06	131	10035	1.30	ng/ul	0.04
44) Dimethylphthalate-d6	14.12	166	248233	11.63	ng/ul	0.01
47) Acenaphthylene-d8	14.41	160	293926	11.89	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	11943	3.36	ng/ul	0.00
58) Fluorene-d10	15.71	176	231687	12.00	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.85	200	36217	9.31	ng/ul	0.02
71) Anthracene-d10	17.57	188	343545	12.49	ng/ul	0.01
79) Pyrene-d10	19.85	212	387996	12.52	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	433920	13.25	ng/ul	0.00

Target Compounds

					Qvalue
11) 2-Methylphenol	8.52	108	17482	3.17 ng/ul	93
14) Acetophenone	8.91	105	17795	1.93 ng/ul	97
16) 4-Methylphenol	8.85	108	35090	5.86 ng/ul	91
24) 2,4-Dimethylphenol	10.07	107	116670m	14.90 ng/ul	37
28) Naphthalene	11.06	128	11234633	539.83 ng/ul#	99
34) 2-Methylnaphthalene	12.58	142	2363548	153.49 ng/ul	97
41) 1,1'-Biphenyl	13.56	154	730238	36.54 ng/ul	97
48) Acenaphthylene	14.44	152	320534	12.33 ng/ul	97
50) Acenaphthene	14.81	153	2564791	145.96 ng/ul#	88
54) Dibenzofuran	15.13	168	2197759	84.07 ng/ul#	85
59) Fluorene	15.78	166	1712584	80.84 ng/ul#	98
70) Phenanthrene	17.53	178	2642181m	80.89 ng/ul	79
72) Anthracene	17.60	178	282866m	8.47 ng/ul	99
75) Carbazole	17.90	167	3295886	117.10 ng/ul#	99
77) Fluoranthene	19.51	202	497381	12.11 ng/ul	99
80) Pyrene	19.87	202	286031	7.07 ng/ul	99

U.M
 112116

U.M
 112116

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