

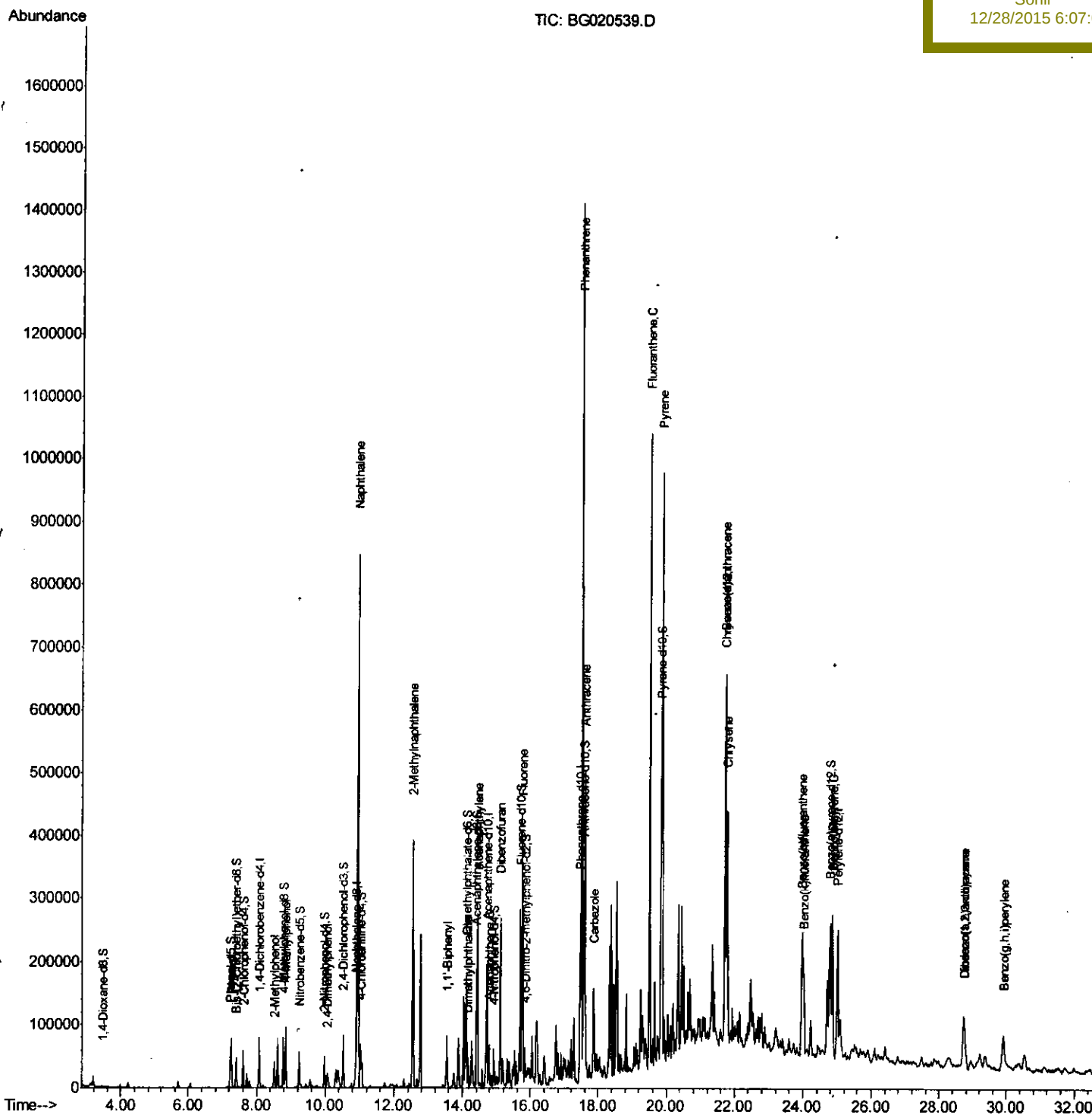
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122515\
Data File : BG020539.D
Acq On : 26 Dec 2015 14:11
Operator : UM/SJ
Sample : G4802-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Quant Time: Dec 28 07:13:57 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 28 06:13:05 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampled :
G9D93

Manual Integrations
APPROVED

Sohil
12/28/2015 6:07:07 PM



Quantitation Report (Qedit)

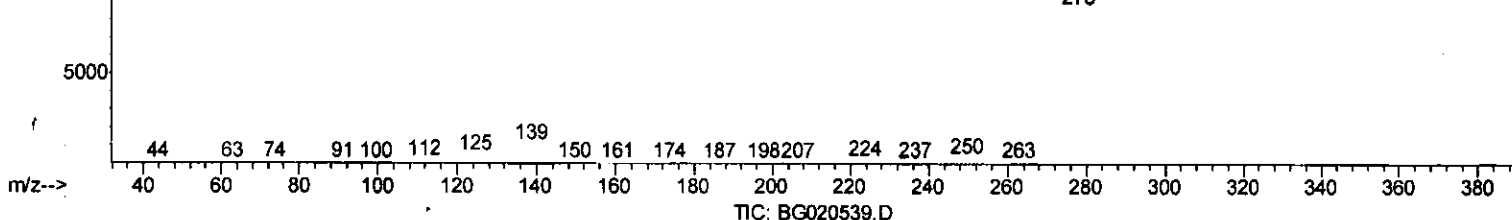
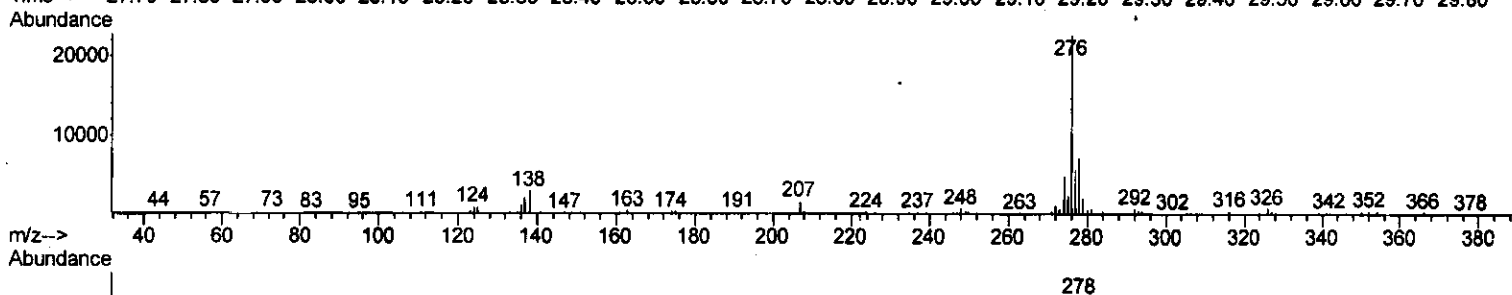
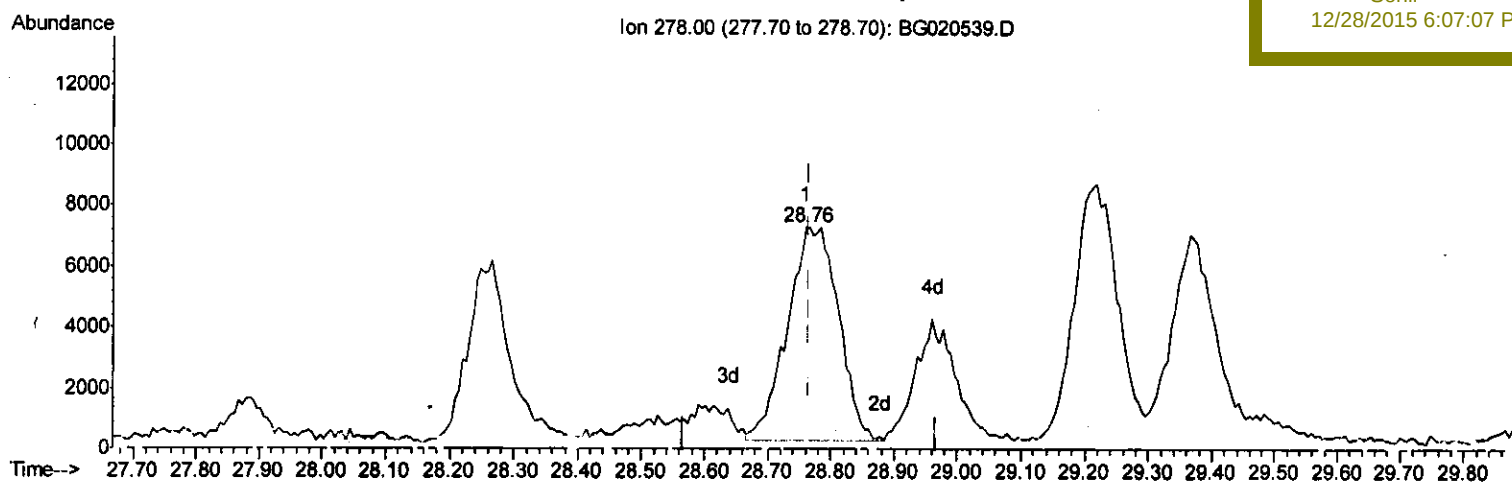
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122515\
 Data File : BG020539.D
 Acq On : 26 Dec 2015 14:11
 Operator : UM/SJ
 Sample : G4802-18
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Quant Time: Dec 28 06:18:22 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 06:13:05 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 G9D93

Manual Integrations
 APPROVED

Sohil
 12/28/2015 6:07:07 PM



(93) Dibenzo(a,h)anthracene

28.761min (-0.006) 3.17ng/ul m

response 39909

Ion	Exp%	Act%
278.00	100	100
139.00	11.80	3.08#
279.00	24.20	29.47#
0.00	0.00	0.00

U.M
 12/26/15

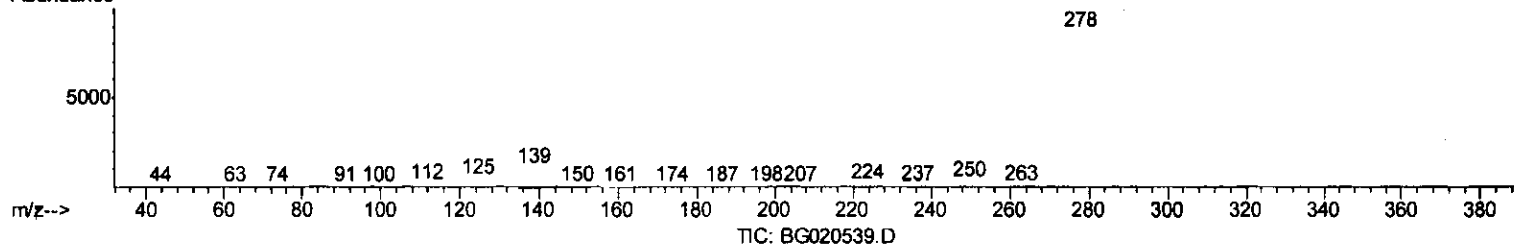
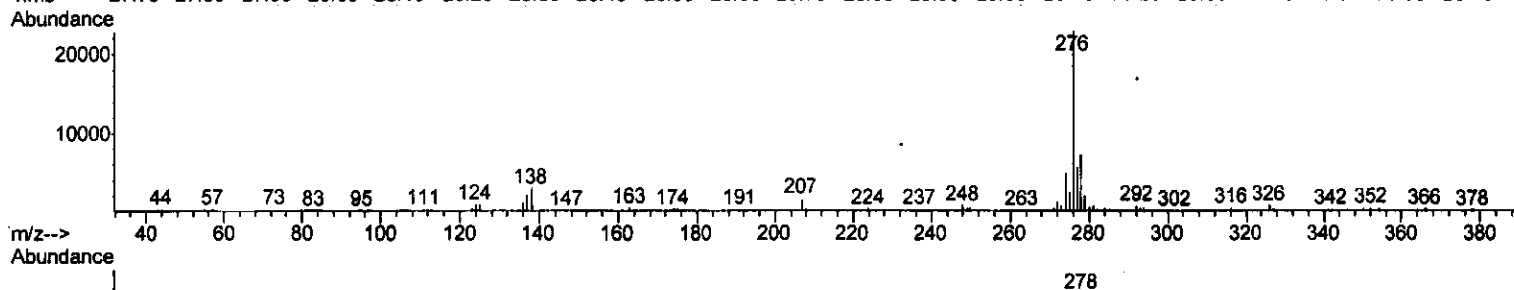
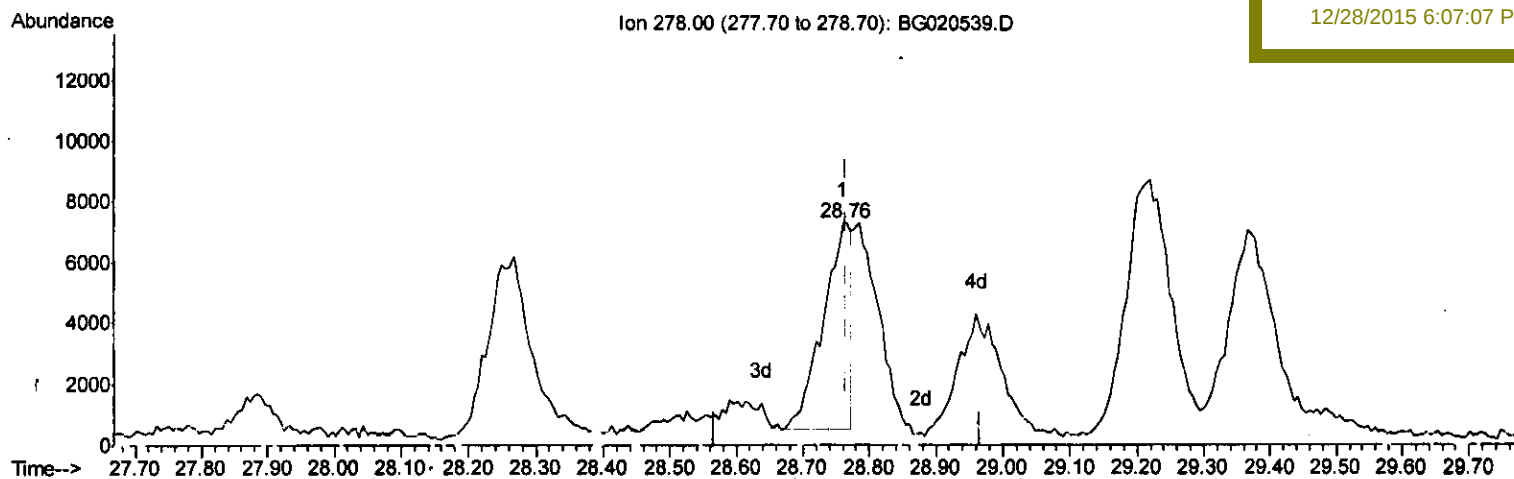
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122515\
Data File : BG020539.D
Acq On : 26 Dec 2015 14:11
Operator : UM/SJ
Sample : G4802-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Quant Time: Dec 28 06:18:22 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 28 06:13:05 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
G9D93

Manual Integrations
APPROVED

Sohil
12/28/2015 6:07:07 PM



(93) Dibenzo(a,h)anthracene

28.761min (-0.006) 1.58ng/ul

response 19813

Ion	Exp%	Act%
278.00	100	100
139.00	11.80	3.08#
279.00	24.20	29.47#
0.00	0.00	0.00

Quantitation Report (Qedit)

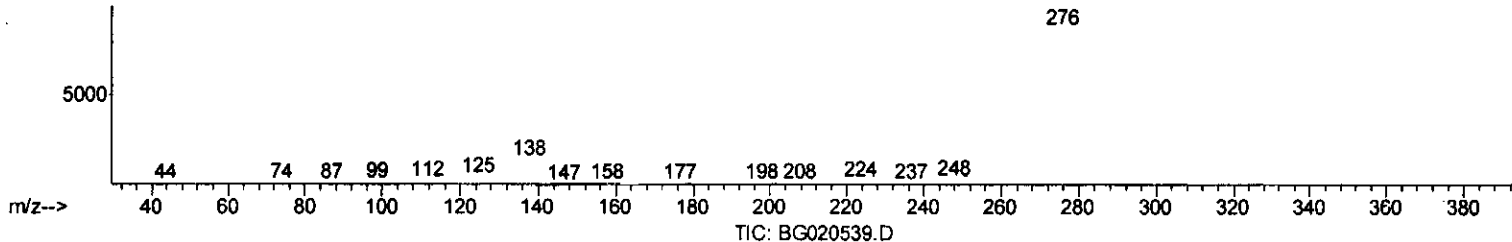
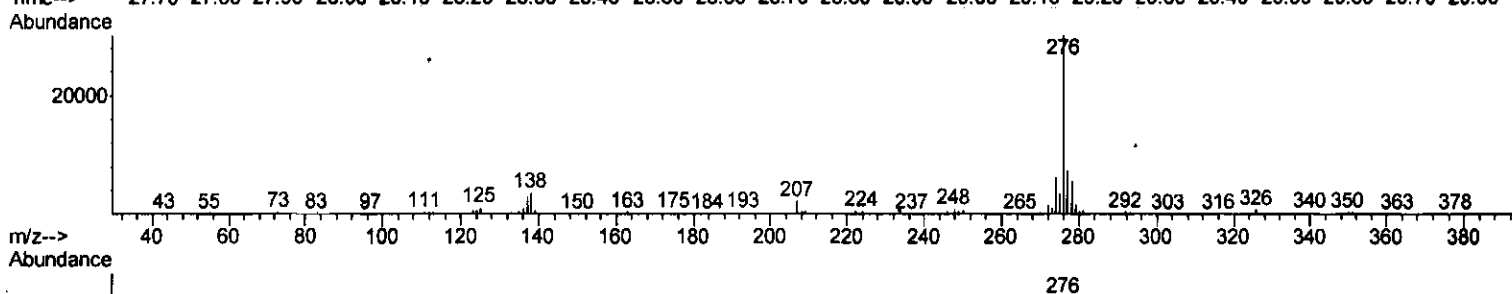
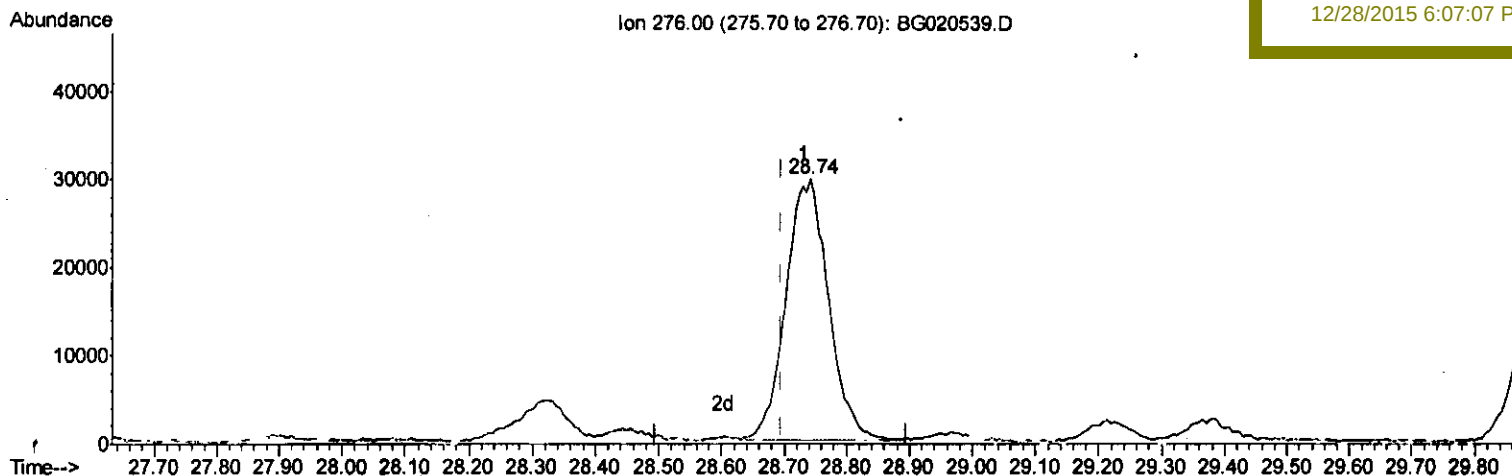
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122515\
 Data File : BG020539.D
 Acq On : 26 Dec 2015 14:11
 Operator : UM/SJ
 Sample : G4802-18
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Quant Time: Dec 28 06:18:22 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 06:13:05 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 G9D93

Manual Integrations
 APPROVED

Sohil
 12/28/2015 6:07:07 PM



(92) Indeno(1,2,3-cd)pyrene

28.743min (+0.047) 9.10ng/ul m

response 137926

Ion	Exp%	Act%
276.00	100	100
138.00	14.20	12.36
277.00	21.70	25.34
0.00	0.00	0.00

U.M
 12/26/15

Quantitation Report (Qedit)

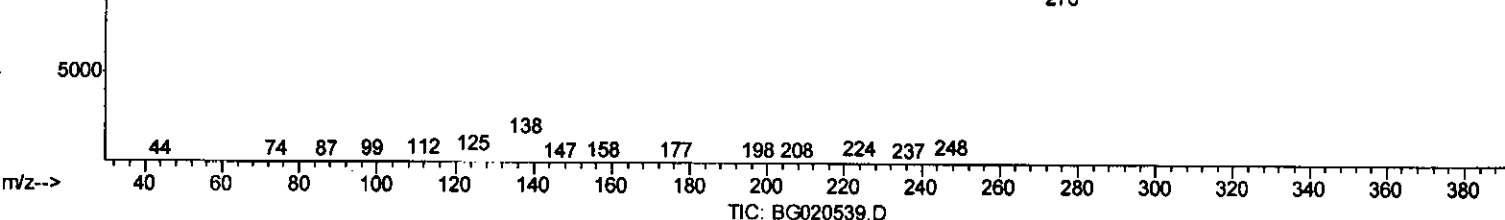
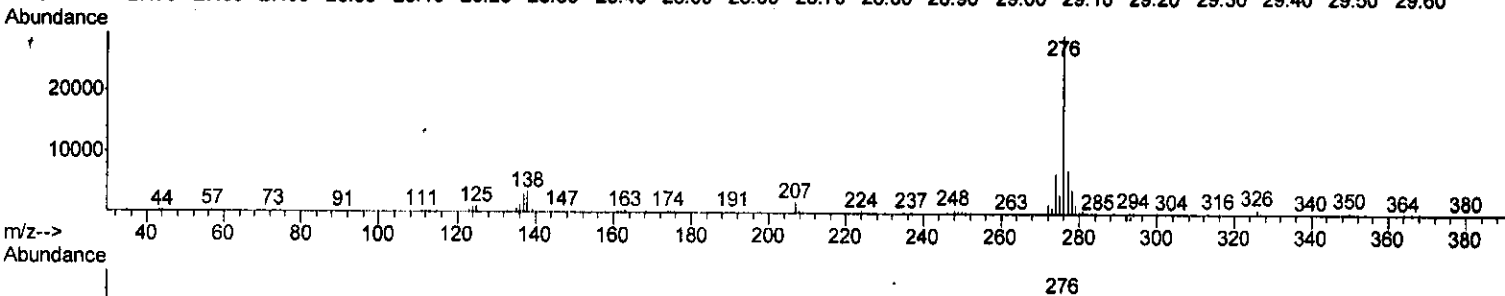
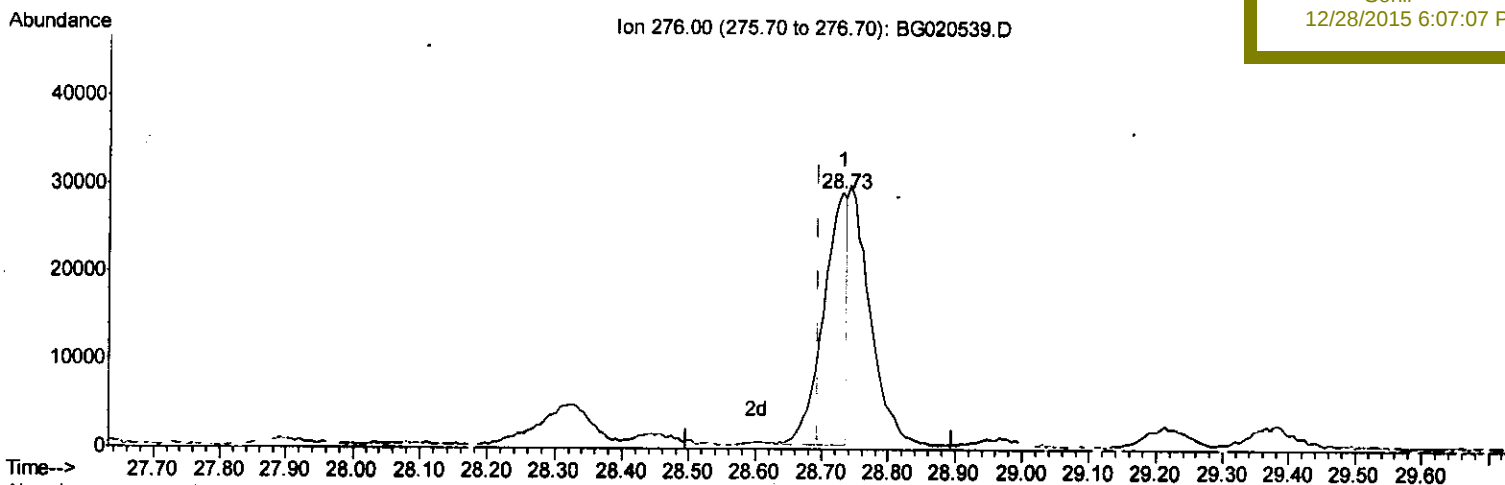
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122515\
 Data File : BG020539.D
 Acq On : 26 Dec 2015 14:11
 Operator : UM/SJ
 Sample : G4802-18
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Quant Time: Dec 28 06:18:22 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 06:13:05 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 G9D93

Manual Integrations
 APPROVED

Sohil
 12/28/2015 6:07:07 PM



(92) Indeno(1,2,3-cd)pyrene

28.731min (+0.036) 4.78ng/ul

response 72487

Ion	Exp%	Act%
276.00	100	100
138.00	14.20	11.92
277.00	21.70	25.29
0.00	0.00	0.00

Quantitation Report (Qedit)

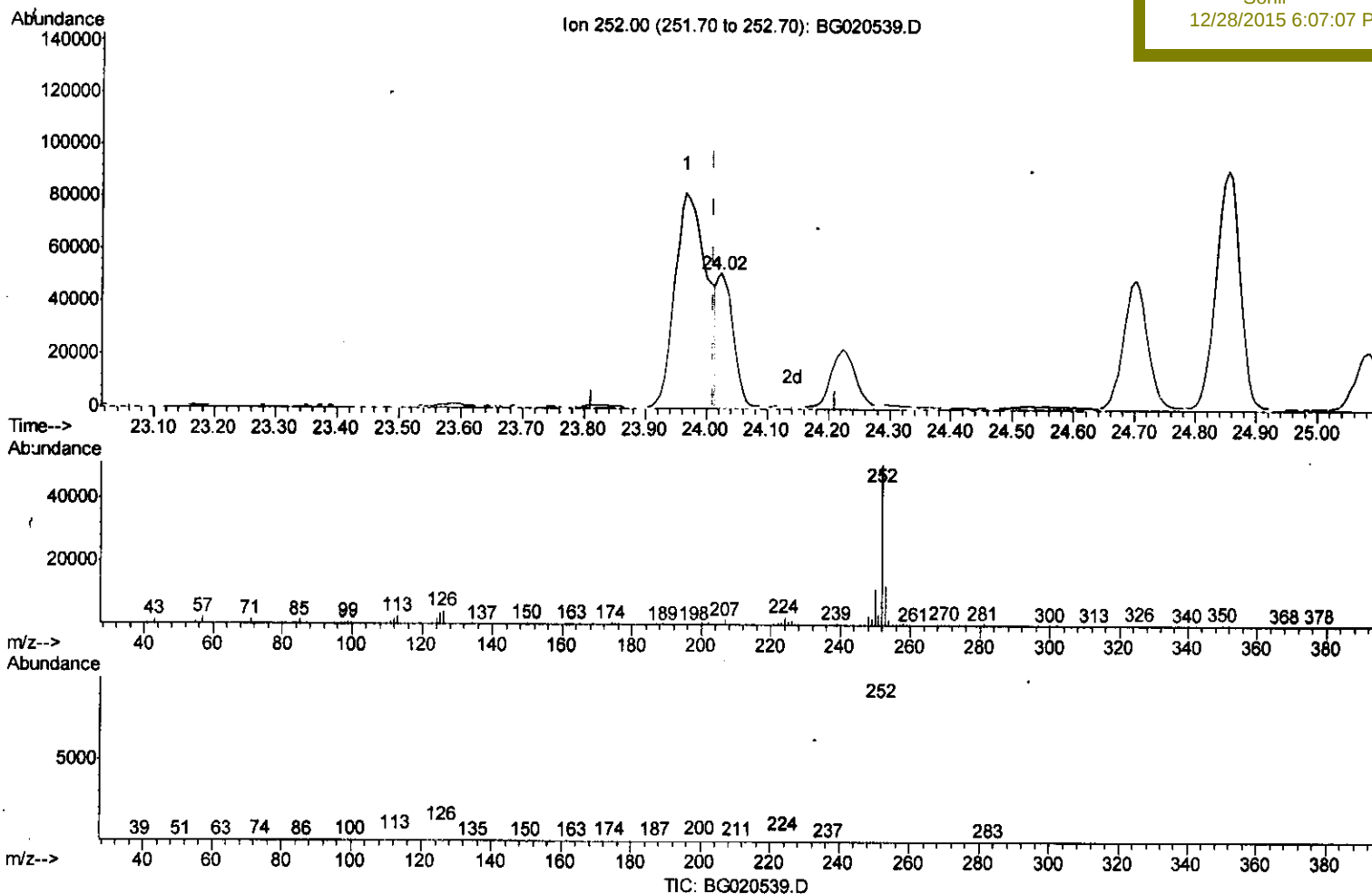
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122515\
 Data File : BG020539.D
 Acq On : 26 Dec 2015 14:11
 Operator : UM/SJ
 Sample : G4802-18
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Quant Time: Dec 28 06:18:22 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 06:13:05 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 G9D93

Manual Integrations
 APPROVED

Sohil
 12/28/2015 6:07:07 PM



(89) Benzo(k)fluoranthene

24.025min (+0.012) 7.50ng/ul m

response 95445

Ion	Exp%	Act%
252.00	100	100
253.00	22.40	25.21
125.00	7.20	6.84
0.00	0.00	0.00

U.M.
12/26/15

Quantitation Report (Qedit)

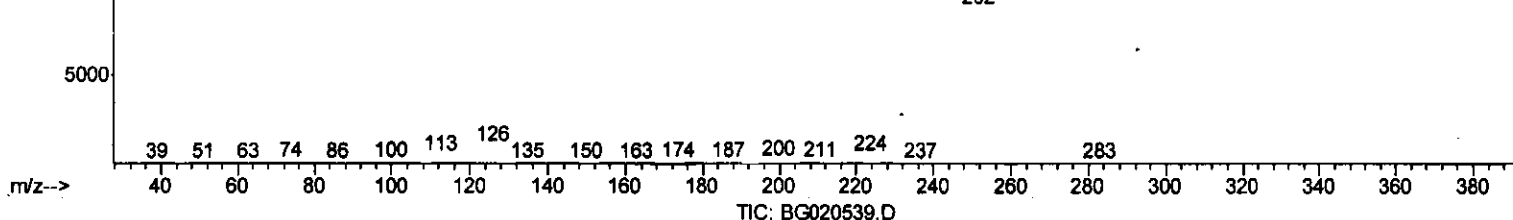
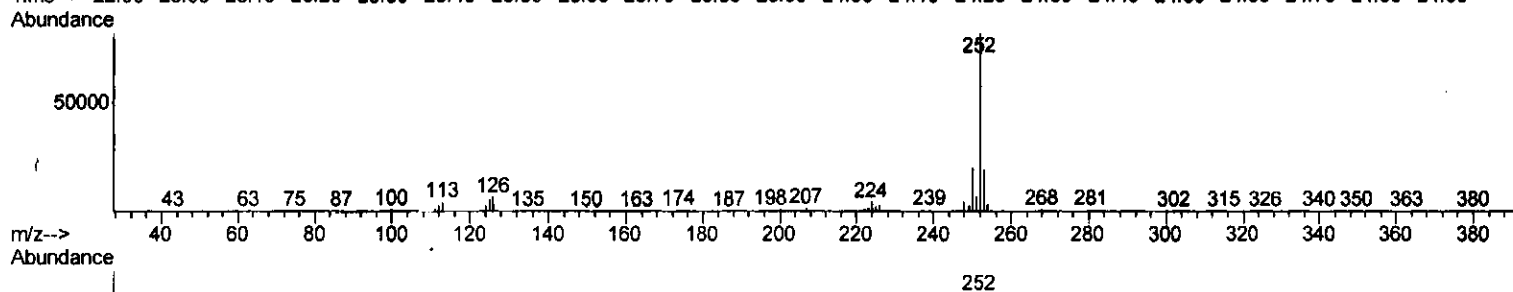
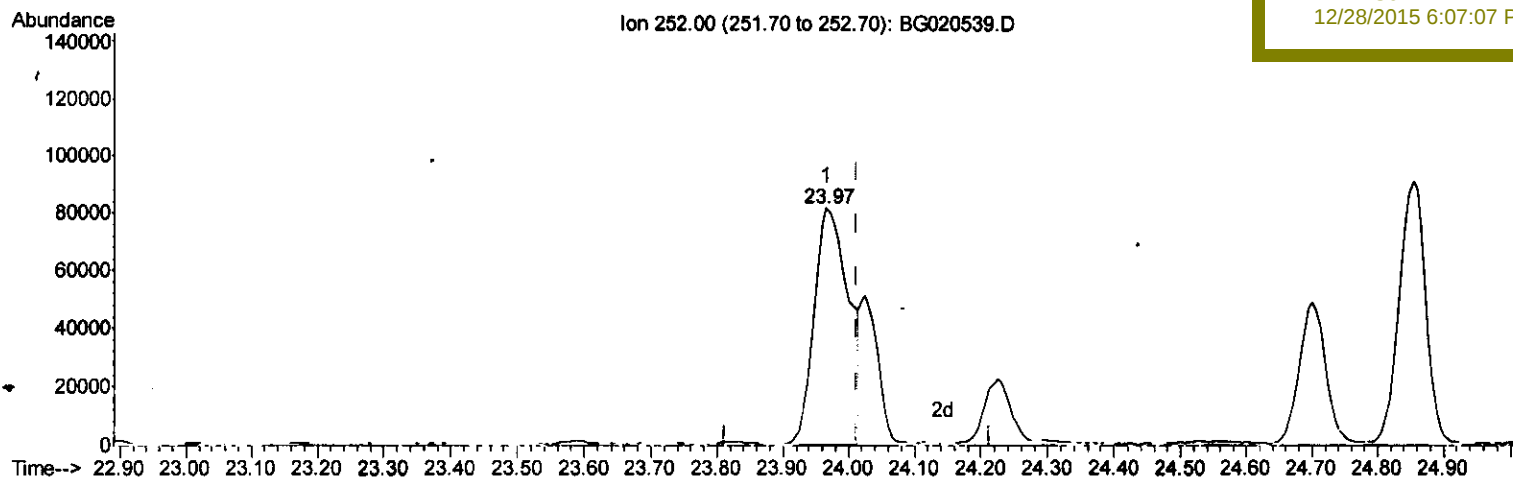
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122515\
 Data File : BG020539.D
 Acq On : 26 Dec 2015 14:11
 Operator : UM/SJ
 Sample : G4802-18
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Quant Time: Dec 28 06:18:22 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 06:13:05 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 G9D93

Manual Integrations
 APPROVED

Sohil
 12/28/2015 6:07:07 PM



(89) Benzo(k)fluoranthene
 23.966min (-0.047) 22.90ng/ul
 response 291417

Ion	Exp%	Act%
252.00	100	100
253.00	22.40	23.39
125.00	7.20	7.02
0.00	0.00	0.00

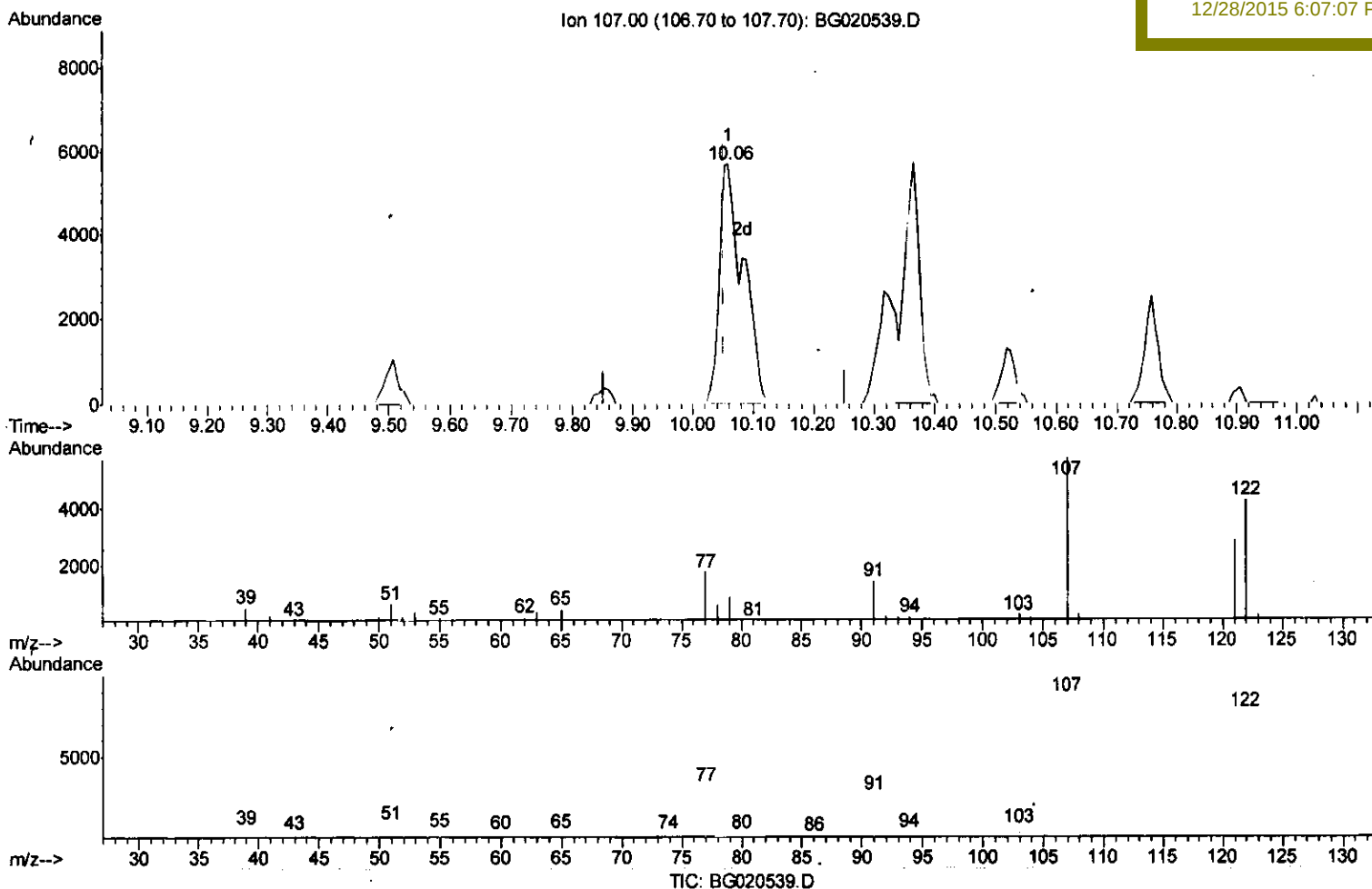
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122515\
Data File : BG020539.D
Acq On : 26 Dec 2015 14:11
Operator : UM/SJ
Sample : G4802-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Quant Time: Dec 28 06:18:22 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 28 06:13:05 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampled :
G9D93

Manual Integrations
APPROVED

Sohil
12/28/2015 6:07:07 PM



(24) 2,4-Dimethylphenol

10.059min (+0.006) 7.87ng/ul m

response 15483

Ion	Exp%	Act%
107.00	100	100
121.00	48.70	50.09
122.00	77.60	74.28
0.00	0.00	0.00

UM
12/26/15

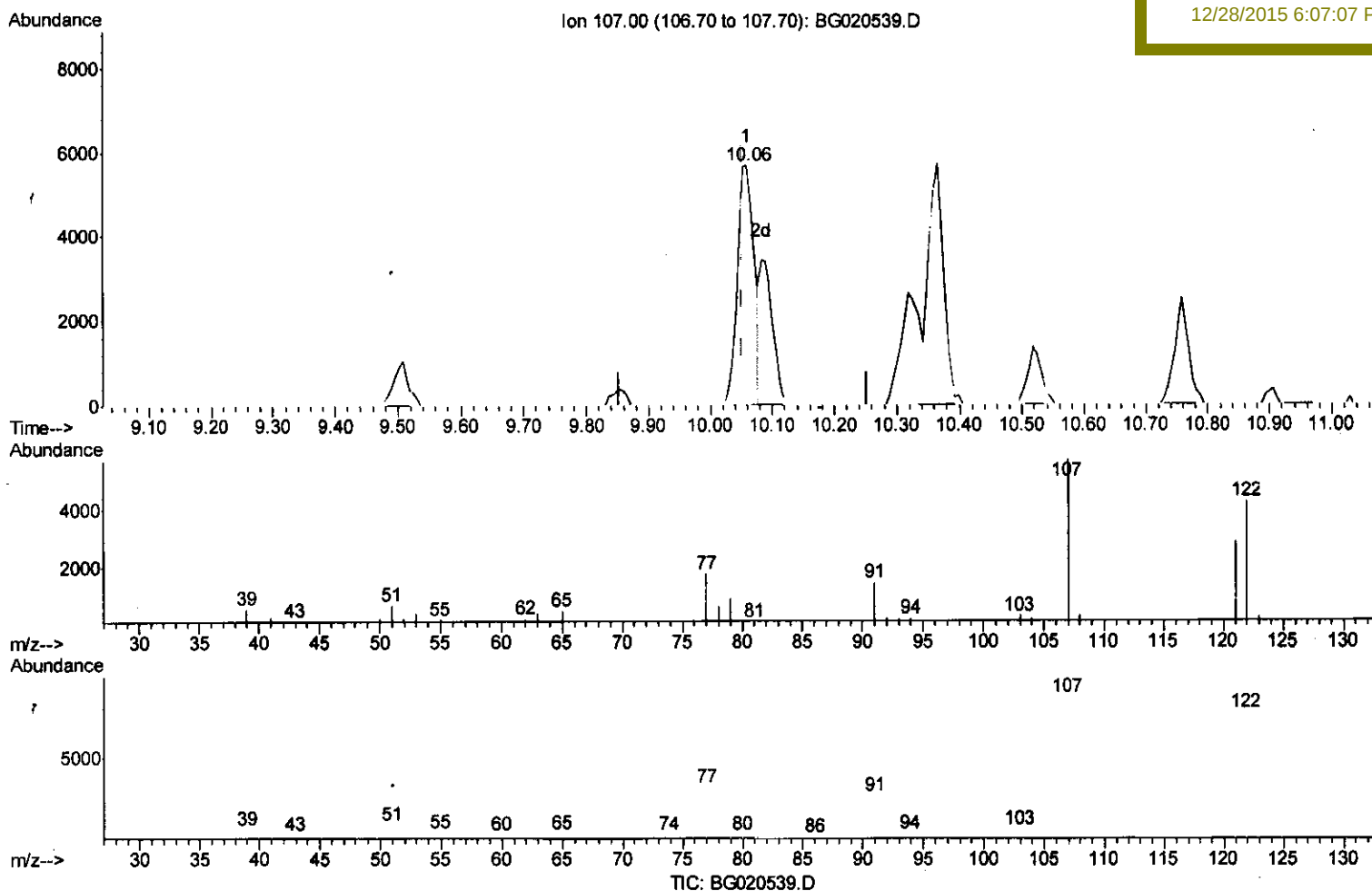
Data Path : Z:\HPCHEM1\BNA_G\Data\BG122515\
Data File : BG020539.D
Acq On : 26 Dec 2015 14:11
Operator : UM/SJ
Sample : G4802-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Quant Time: Dec 28 06:18:22 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 28 06:13:05 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
G9D93

Manual Integrations
APPROVED

Sohil
12/28/2015 6:07:07 PM



(24) 2,4-Dimethylphenol

10.059min (+0.006) 5.41ng/ui

response 10641

Ion	Exp%	Act%
107.00	100	100
121.00	48.70	50.09
122.00	77.60	74.28
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\Data\BG122515\
 Data File : BG020539.D
 Acq On : 26 Dec 2015 14:11
 Operator : UM/SJ
 Sample : G4802-18
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 BNA_G
 Client Sampled :
 G9D93

Quant Time: Dec 28 07:13:57 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 28 06:13:05 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Sohil
 12/28/2015 6:07:07 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	23484	20.00	ng/ul	0.00
18) Naphthalene-d8	10.89	136	98419	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	68627	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	177268	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	223886	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	219300	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	1265	2.97	ng/uL	0.01
5) Phenol-d5	7.23	99	36890	19.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	22744	20.37	ng/ul	0.00
9) 2-Chlorophenol-d4	7.60	132	29852	20.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	30985	19.54	ng/ul	0.00
19) Nitrobenzene-d5	9.24	128	16017	20.76	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	18213	20.76	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.51	165	32848	19.35	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	39485	20.36	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	111626	19.73	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	133837	20.42	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	13708	14.54	ng/ul	0.00
58) Fluorene-d10	15.70	176	108063	21.12	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	14615	12.44	ng/ul	0.01
71) Anthracene-d10	17.56	188	178762	21.53	ng/ul	0.01
79) Pyrene-d10	19.84	212	209914	21.66	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	236725	21.35	ng/ul	0.02

Target Compounds

					Qvalue
6) Phenol	7.26	94	44084	22.46 ng/ul	97
11) 2-Methylphenol	8.52	108	14348	9.42 ng/ul#	79
16) 4-Methylphenol	8.85	108	40427	24.47 ng/ul	100
24) 2,4-Dimethylphenol	10.06	107	15483m→	7.87 ng/ul	
28) Naphthalene	10.95	128	743891	142.18 ng/ul	96
34) 2-Methylnaphthalene	12.54	142	183580	47.42 ng/ul	99
41) 1,1'-Biphenyl	13.54	154	43953	8.30 ng/ul	96
45) Dimethylphthalate	14.15	163	17449	3.03 ng/ul	98
48) Acenaphthylene	14.44	152	176162	25.57 ng/ul	95
50) Acenaphthene	14.77	153	28344	6.09 ng/ul	98
54) Dibenzofuran	15.11	168	159294	22.99 ng/ul	100
59) Fluorene	15.76	166	180781	32.20 ng/ul	99
70) Phenanthrene	17.50	178	928545	94.14 ng/ul	97
72) Anthracene	17.60	178	339412	33.65 ng/ul	99
75) Carbazole	17.86	167	94113	11.07 ng/ul	98
77) Fluoranthene	19.51	202	663126	53.46 ng/ul	98
80) Pyrene	19.87	202	602994	47.63 ng/ul	99
83) Benzo(a)anthracene	21.72	228	332342	25.28 ng/ul	96
85) Chrysene	21.78	228	263239	21.02 ng/ul	96
88) Benzo(b)fluoranthene	23.97	252	291417	22.14 ng/ul	96
89) Benzo(k)fluoranthene	24.02	252	95445m→	7.50 ng/ul	
91) Benzo(a)pyrene	24.85	252	252967	19.99 ng/ul	95
92) Indeno(1,2,3-cd)pyrene	28.74	276	137926m→	9.10 ng/ul	

U.M
 12/26/15

Data Path : Z:\HPCHEM1\BNA_G\Data\BG122515\
Data File : BG020539.D
Acq On : 26 Dec 2015 14:11
Operator : UM/SJ
Sample : G4802-18
Misc :
ALS Vial : 76 Sample Multiplier: 1

Quant Time: Dec 28 07:13:57 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 28 06:13:05 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Dibenzo(a,h)anthracene	28.76	278	39909m	3.17	ng/ul	
94) Benzo(g,h,i)perylene	29.91	276	112527	9.04	ng/ul	97

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

Instrument :
BNA_G
ClientSampleId :
G9D93

Manual Integrations
APPROVED

Sohil
12/28/2015 6:07:07 PM