

(QT Reviewed)

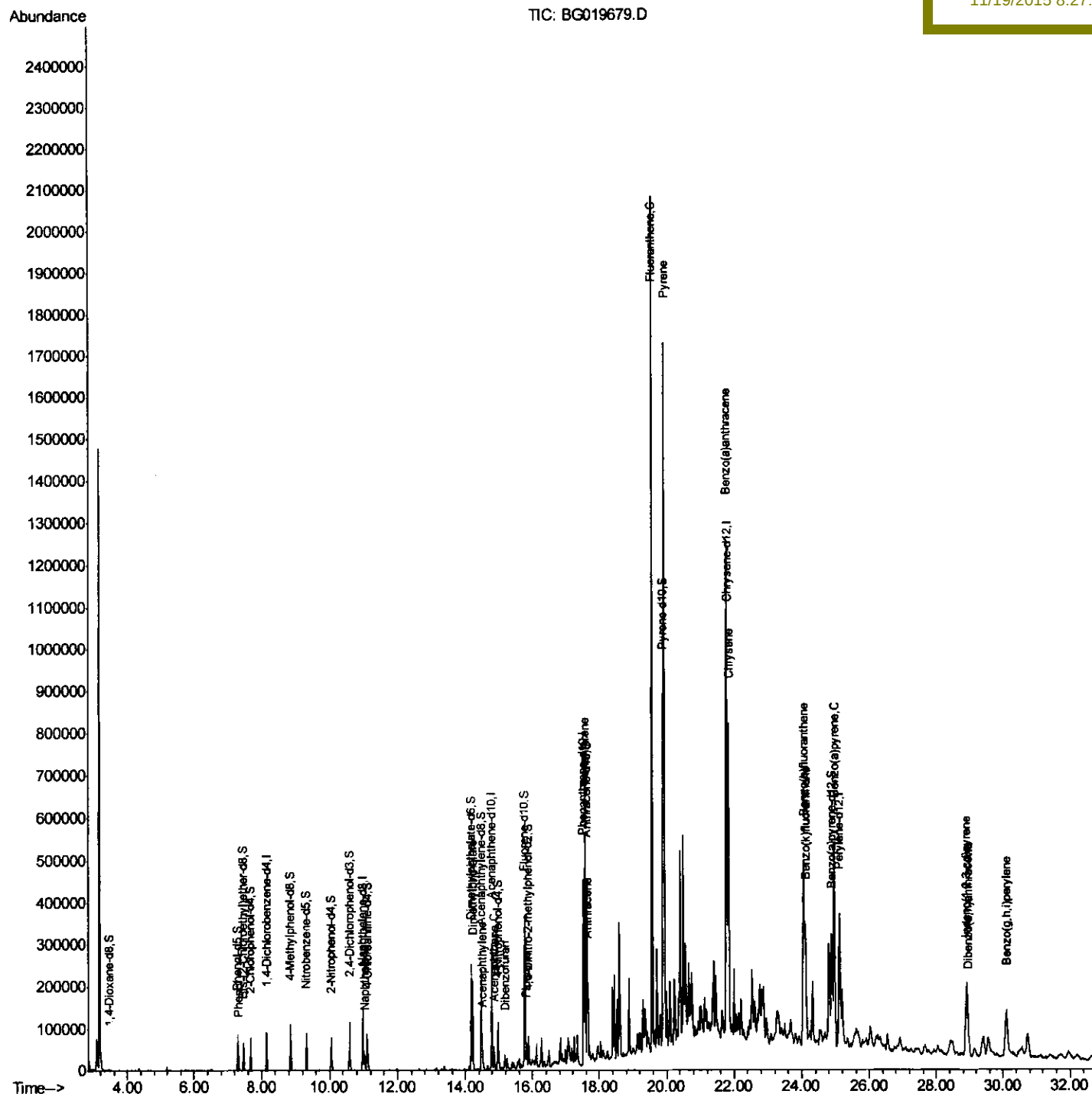
```
Data Path   : Z:\HPCHEM1\BNA G\DATA\BG111715\  
Data File  : BG019679.D  
Acq On     : 18 Nov 2015    3:23  
Operator   : UM/NP  
Sample     : G4427-10  
Misc       :  
ALS Vial   : 21    Sample Multiplier: 1
```

Instrument :
BNA_G
ClientSampleId :
BC7C9

Quant Time: Nov 18 04:14:09 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 18 03:01:13 2015
Response via : Initial Calibration

Manual Integrations APPROVED

mohammad
11/19/2015 8:27:19 AM



Quantitation Report (Qedit)

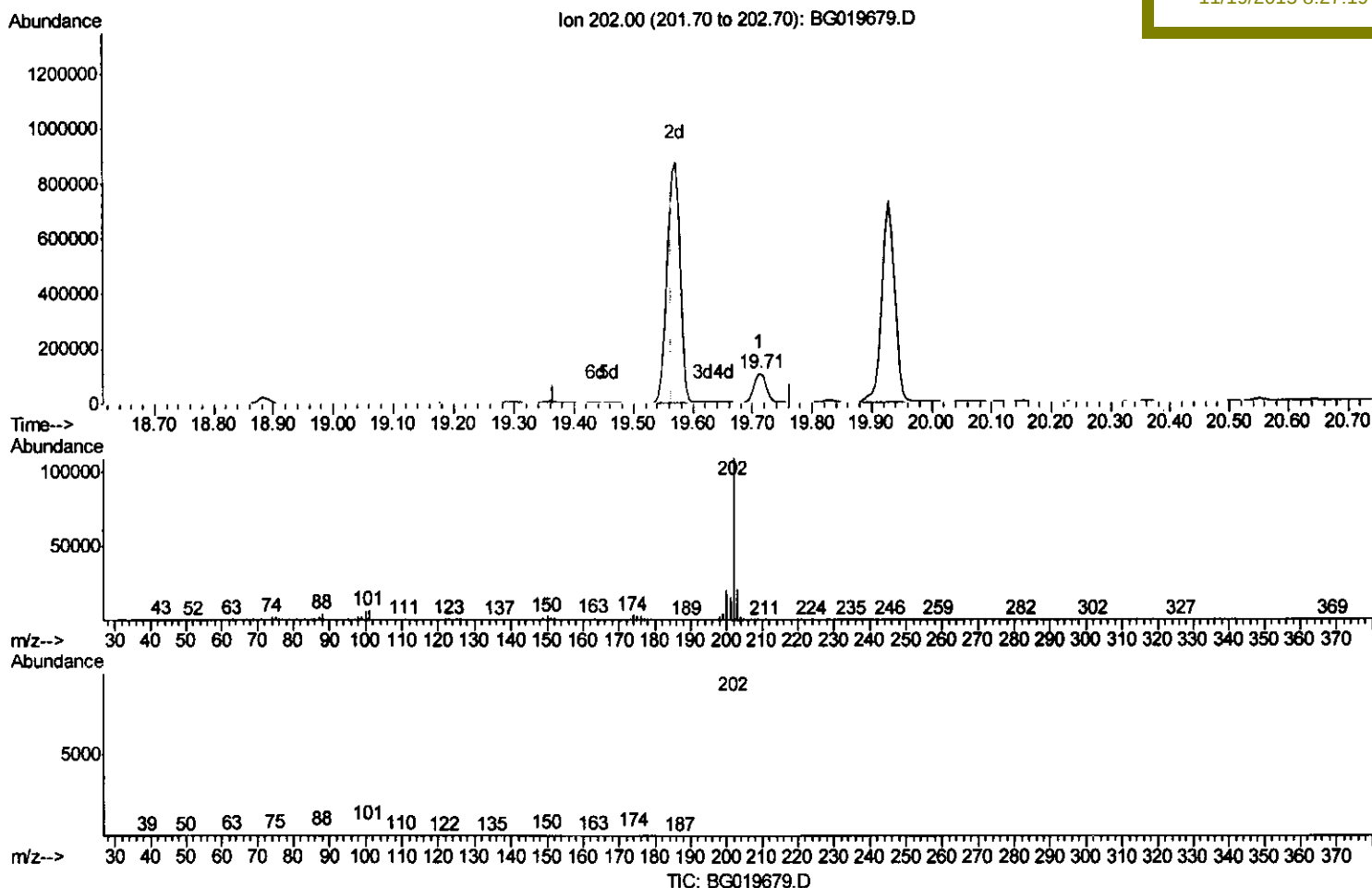
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
 Data File : BG019679.D
 Acq On : 18 Nov 2015 3:23
 Operator : UM/NP
 Sample : G4427-10
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BC7C9

Quant Time: Nov 18 04:10:03 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M
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(77) Fluoranthene (C)

19.711min (+0.147) 8.01ng/ul

response 147730

Ion	Exp%	Act%
202.00	100	100
101.00	6.50	6.54
100.00	6.20	5.95
0.00	0.00	0.00

Quantitation Report (Qedit)

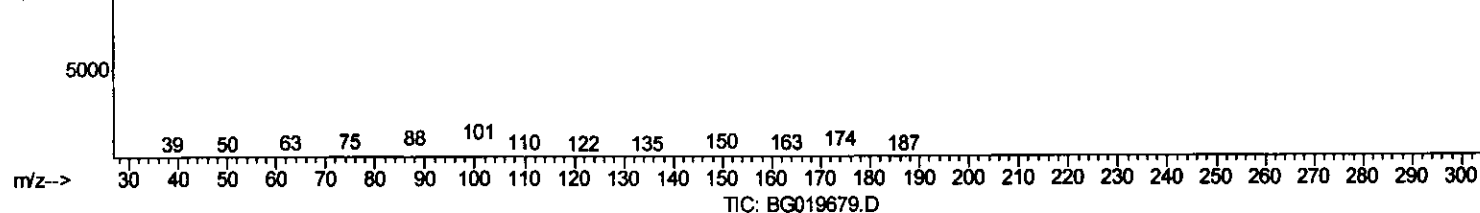
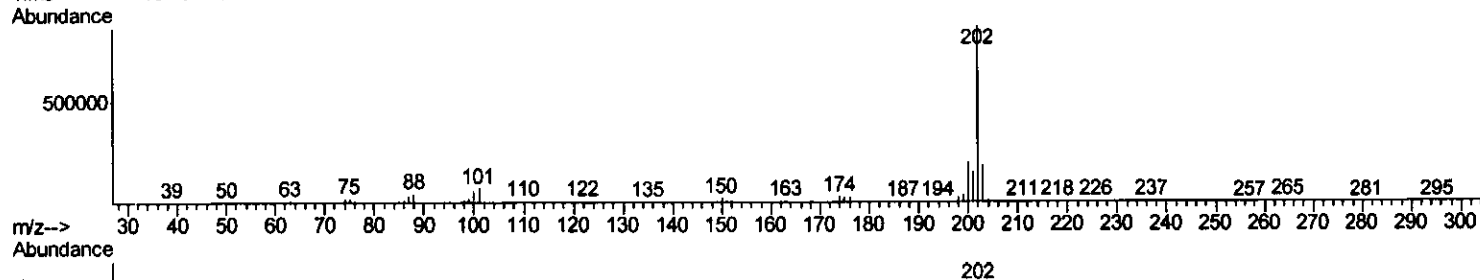
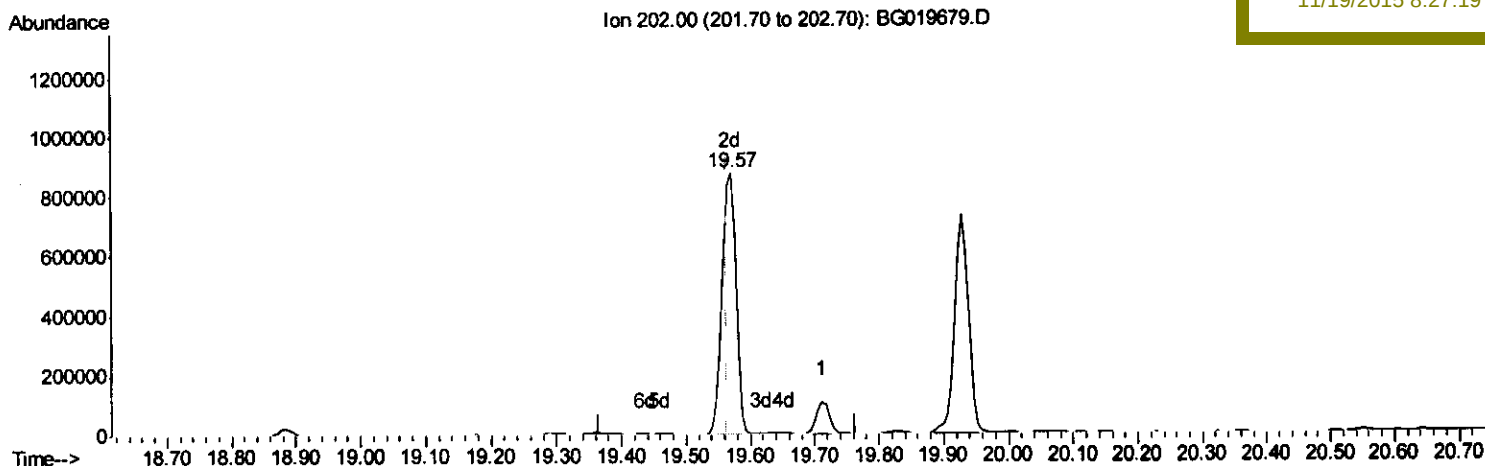
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
 Data File : BG019679.D
 Acq On : 18 Nov 2015 3:23
 Operator : UM/NP
 Sample : G4427-10
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BC7C9

Quant Time: Nov 18 04:10:03 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M
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(77) Fluoranthene (C)

19.570min (+0.006) 71.29ng/ul m

response 1314060

Ion	Exp%	Act%
202.00	100	100
101.00	6.50	8.01#
100.00	6.20	6.59
0.00	0.00	0.00

U.M
 11/19/15

Quantitation Report (Qedit)

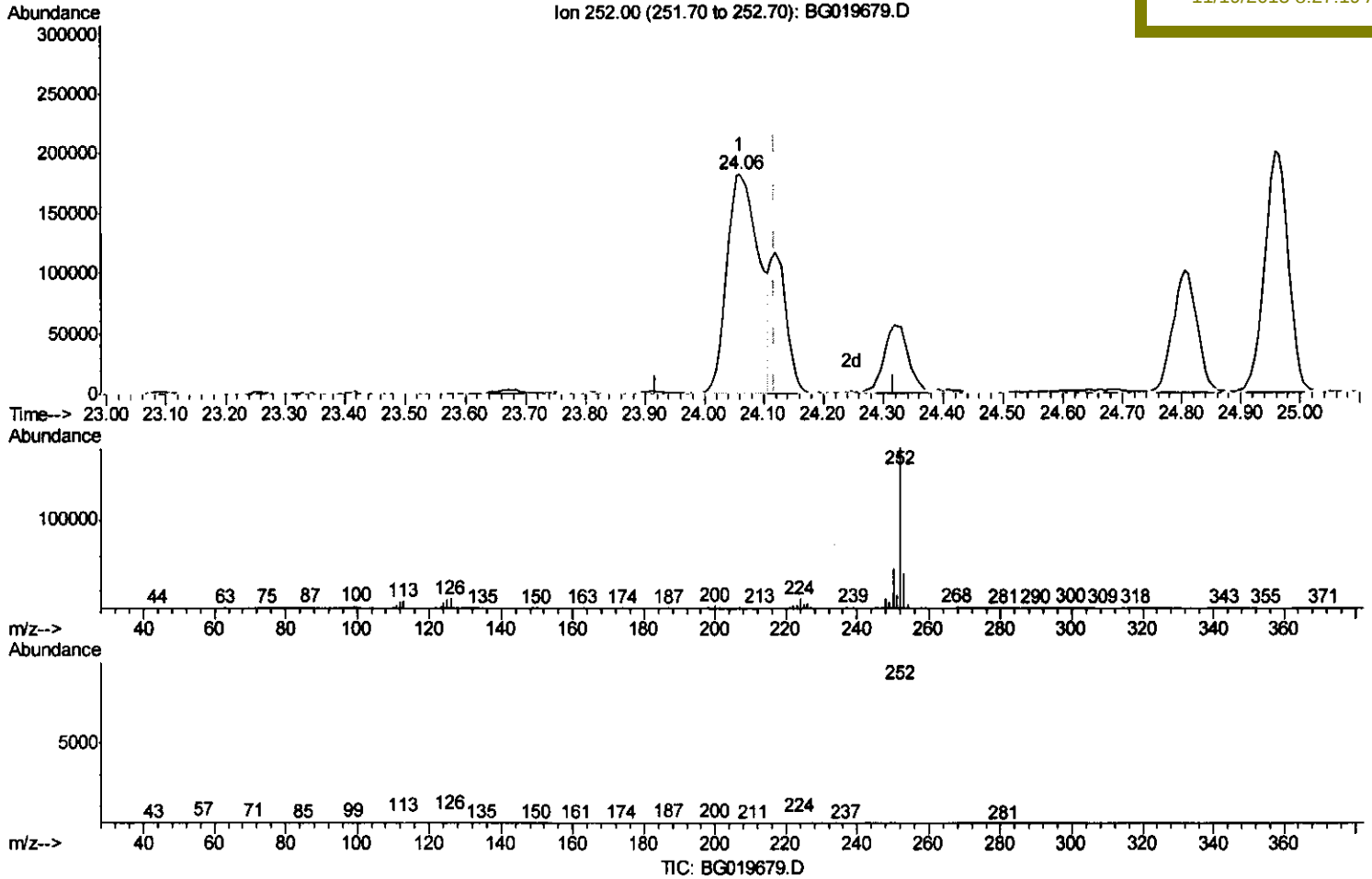
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
 Data File : BG019679.D
 Acq On : 18 Nov 2015 3:23
 Operator : UM/NP
 Sample : G4427-10
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BC7C9

Quant Time: Nov 18 04:10:03 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 18 03:01:13 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

mohammad
 11/19/2015 8:27:19 AM



(89) Benzo(k)fluoranthene

24.059min (-0.059) 34.21ng/ul

response 679762

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	22.19
125.00	5.50	5.50
0.00	0.00	0.00

Quantitation Report (Qedit)

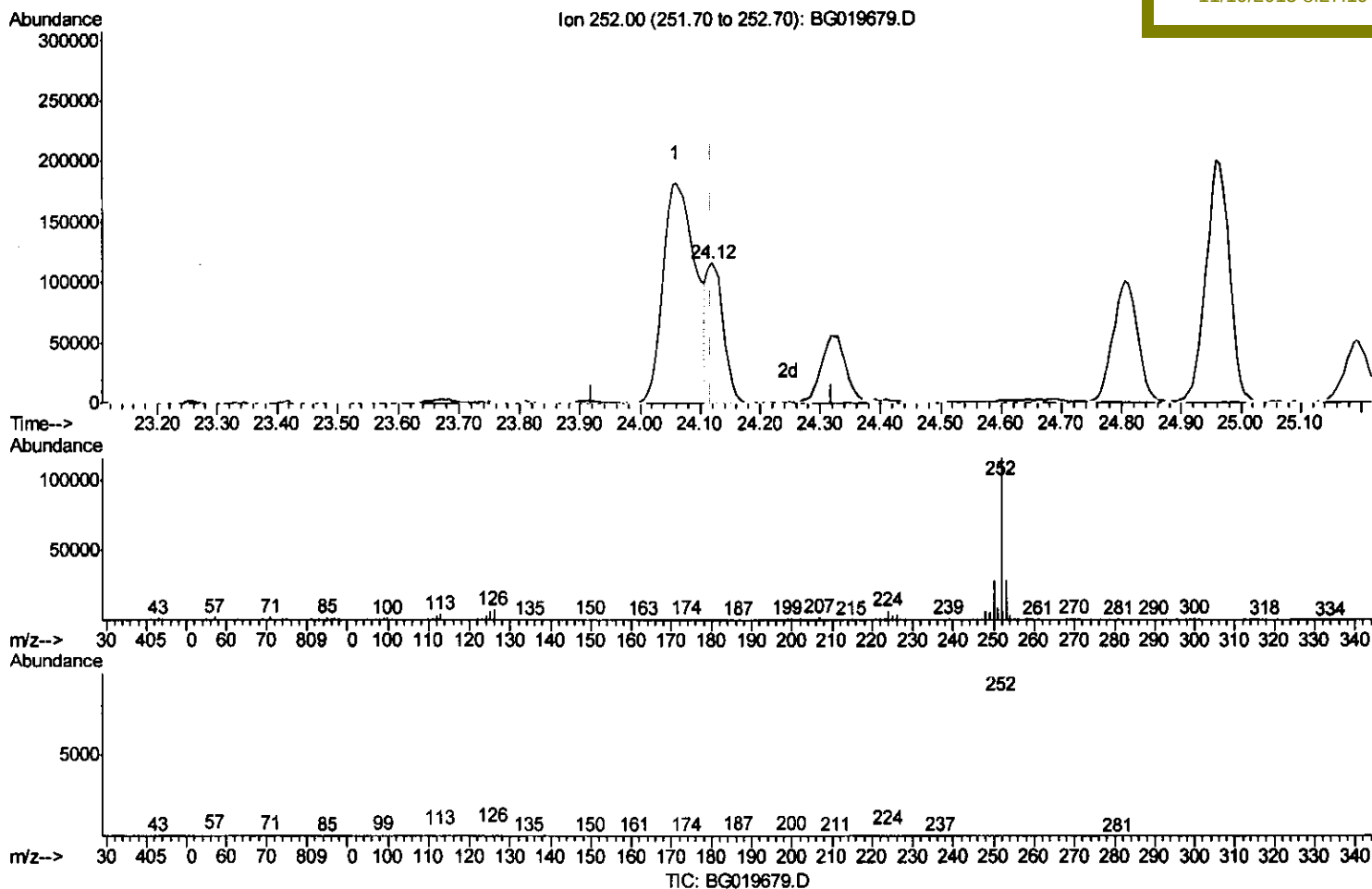
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111715\
 Data File : BG019679.D
 Acq On : 18 Nov 2015 3:23
 Operator : UM/NP
 Sample : G4427-10
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 BC7C9

Quant Time: Nov 18 04:10:03 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 18 03:01:13 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

mohammad
 11/19/2015 8:27:19 AM



(89) Benzo(k)fluoranthene

24.118min (-0.000) 11.21ng/ul m *U.M*
11/19/15

response 222740

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	24.85
125.00	5.50	5.78
0.00	0.00	0.00

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 Acq On : 18 Nov 2015 3:23
 Operator : UM/NP
 Sample : G4427-10
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BC7C9

Quant Time: Nov 18 04:14:09 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M
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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	24928	20.00	ng/ul	0.00
18) Naphthalene-d8	10.97	136	114568	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.78	164	100663	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.52	188	270239	20.00	ng/ul	0.00
78) Chrysene-d12	21.80	240	335403	20.00	ng/ul	0.00
86) Perylene-d12	25.12	264	334304	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.44	96	1989	3.41	ng/uL	0.00
5) Phenol-d5	7.29	99	51011	19.98	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.46	67	33309	19.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.67	132	30976	18.91	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	41518	19.64	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	17776	18.90	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	20714	19.57	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	41572	18.16	ng/ul	0.00
29) 4-Chloroaniline-d4	11.10	131	42547	19.58	ng/ul	0.00
44) Dimethylphthalate-d6	14.18	166	162206	17.82	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	170769	17.31	ng/ul	0.00
52) 4-Nitrophenol-d4	14.97	143	22106	15.41	ng/ul	0.00
58) Fluorene-d10	15.77	176	143289	17.59	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.88	200	17120	9.81	ng/ul	0.00
71) Anthracene-d10	17.62	188	241742	18.42	ng/ul	0.00
79) Pyrene-d10	19.90	212	275219	18.01	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.89	264	321520	18.42	ng/ul	0.00

Target Compounds

						Ovalue
6) Phenol	7.32	94	4521	1.64	ng/ul	97
28) Naphthalene	11.03	128	29937	4.84	ng/ul	98
45) Dimethylphthalate	14.22	163	123552	13.69	ng/ul	99
48) Acenaphthylene	14.51	152	24459	2.48	ng/ul	96
50) Acenaphthene	14.85	153	21925	3.25	ng/ul	97
54) Dibenzofuran	15.18	168	10662	1.08	ng/ul	97
59) Fluorene	15.83	166	25251	2.92	ng/ul#	97
70) Phenanthrene	17.57	178	316974	21.92	ng/ul	99
72) Anthracene	17.66	178	115305	7.91	ng/ul	98
77) Fluoranthene	19.57	202	1314060m	71.29	ng/ul	
80) Pyrene	19.93	202	1088143	55.55	ng/ul	99
83) Benzo(a)anthracene	21.77	228	703445	34.60	ng/ul	96
85) Chrysene	21.84	228	543018	28.37	ng/ul	99
88) Benzo(b)fluoranthene	24.06	252	679762	33.00	ng/ul	99
89) Benzo(k)fluoranthene	24.12	252	222740m	11.21	ng/ul	
91) Benzo(a)pyrene	24.96	252	541725	27.32	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	28.92	276	306421	13.81	ng/ul	97
93) Dibenzo(a,h)anthracene	28.96	278	79402	4.35	ng/ul#	91
94) Benzo(a,h,i)perylene	30.11	276	233350	12.67	ng/ul	98

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