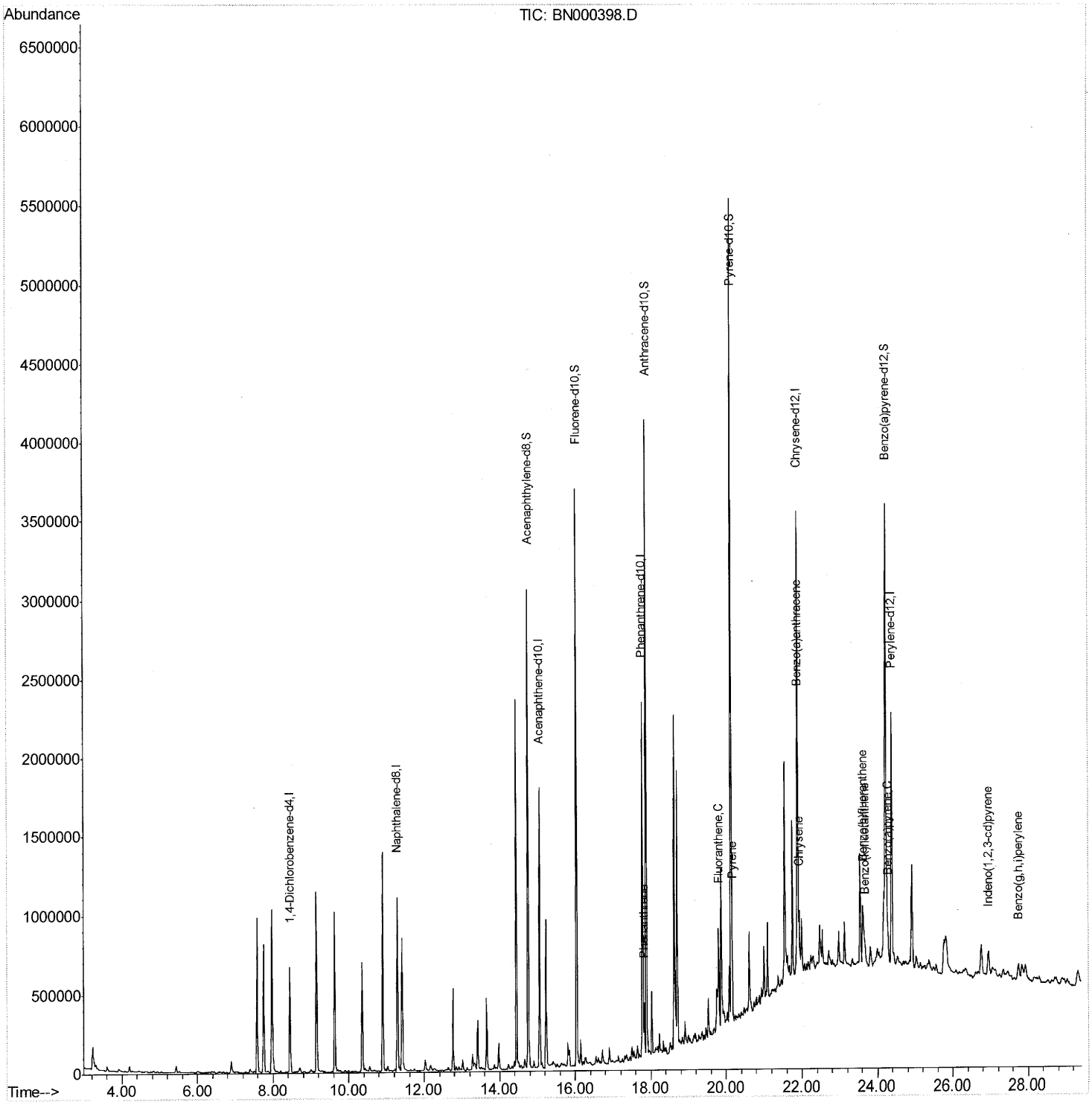
Data Path : Z:\HPCHEM1\BNA N\DATA\BN031418\
Data File : BN000398.D
Acq On : 15 Mar 2018 05:01
Operator : JU/SJ
Sample : J1865-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Mar 15 08:09:05 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 15 07:55:46 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DAMC1

Manual Integrations APPROVED
Sohil
3/15/2018 7:03:31 PM

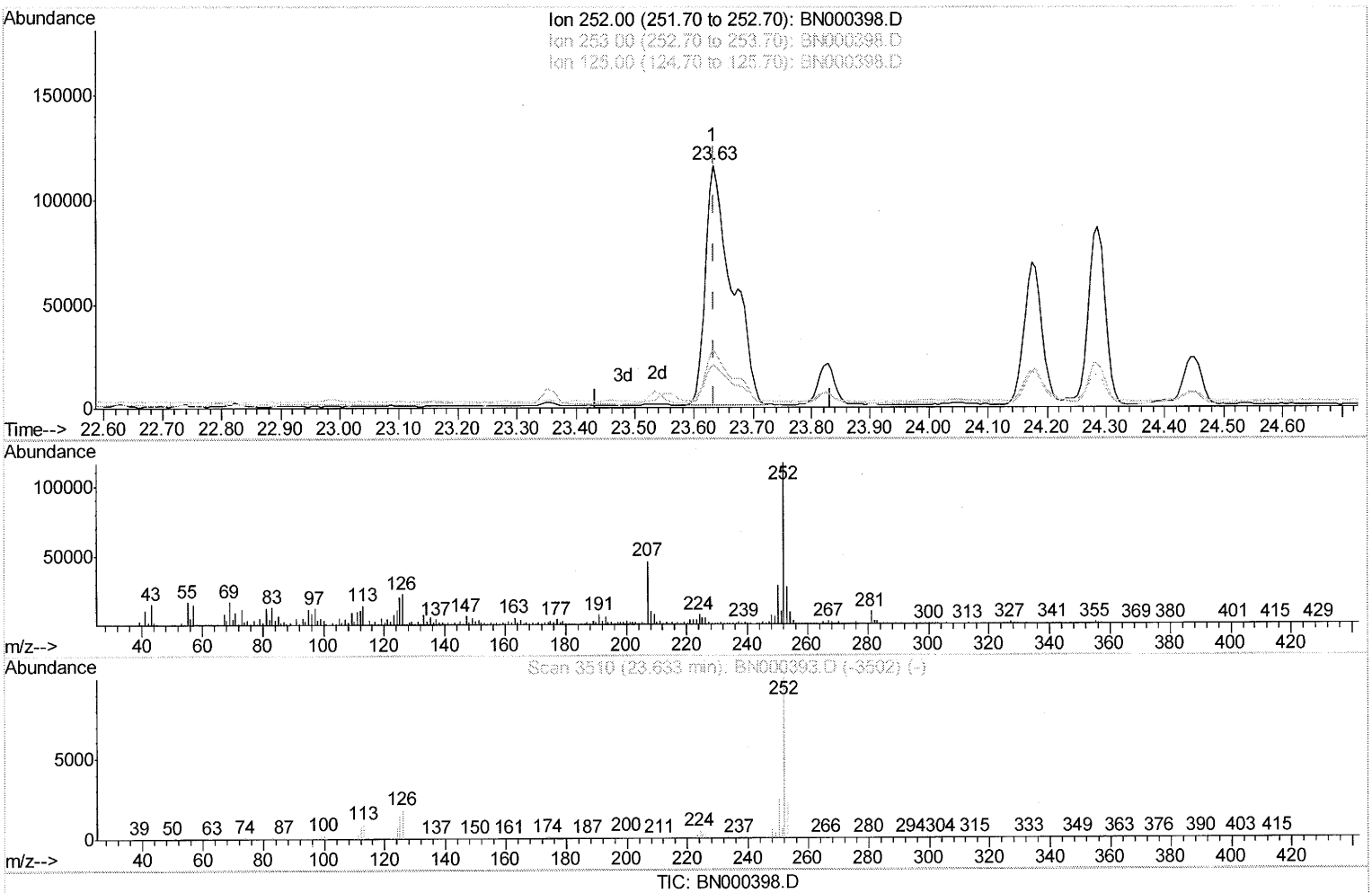


Data Path : Z:\HPCHEM1\BNA N\DATA\BN031418\
Data File : BN000398.D
Acq On : 15 Mar 2018 05:01
Operator : JU/SJ
Sample : J1865-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Mar 15 07:58:21 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 15 07:55:46 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DAMC1

Manual Integrations APPROVED
Sohil
3/15/2018 7:03:31 PM



TIC: BN000398.D

(23) Benzo(b)fluoranthene

23.633min (-0.000) 5.40ng/ul

response 367175

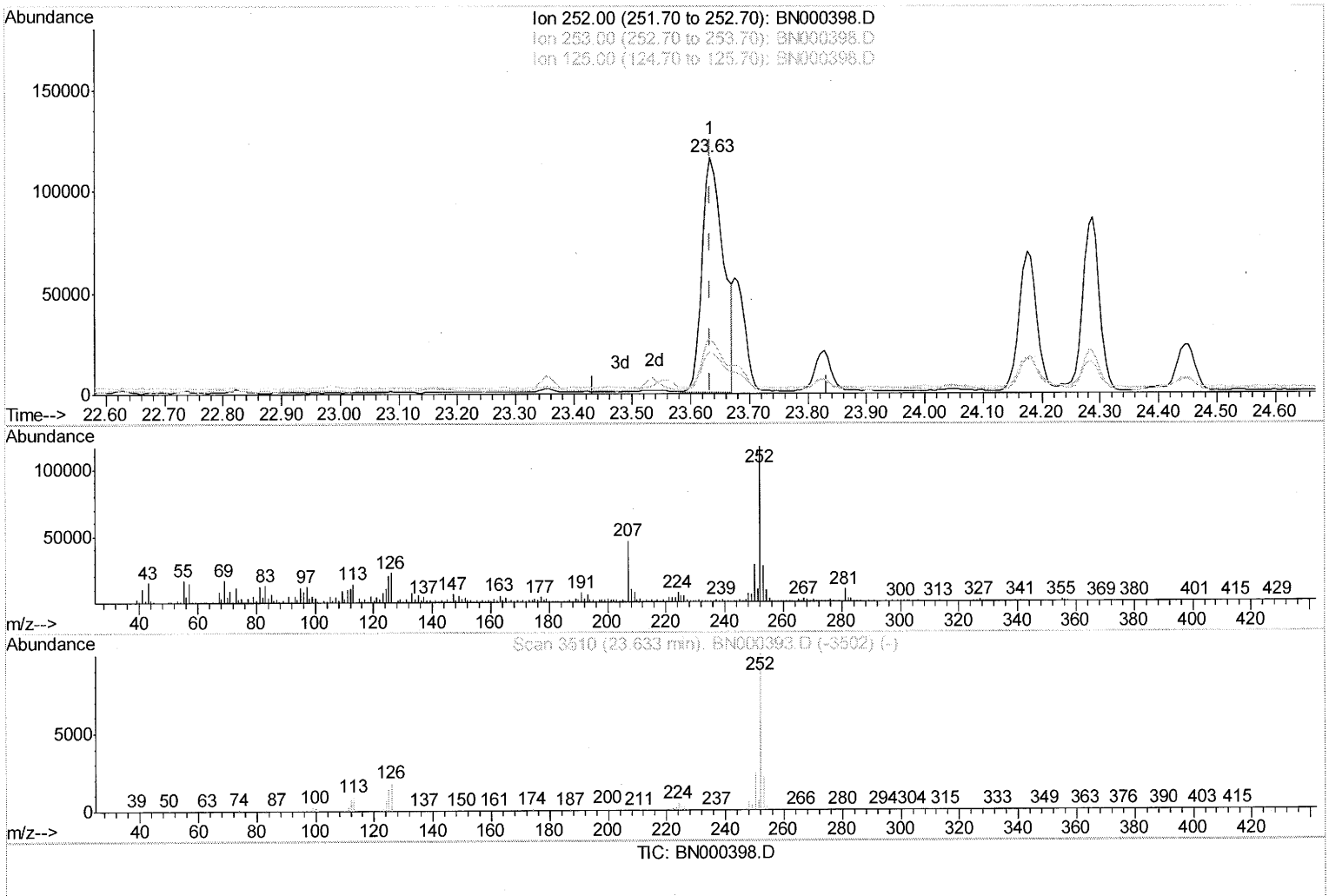
Ion	Exp%	Act%
252.00	100	100
253.00	22.50	23.47
125.00	10.00	17.69#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031418\
Data File : BN000398.D
Acq On : 15 Mar 2018 05:01
Operator : JU/SJ
Sample : J1865-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Mar 15 07:58:21 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 15 07:55:46 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DAMC1

Manual Integrations APPROVED
Sohil
3/15/2018 7:03:31 PM



TIC: BN000398.D

(23) Benzo(b)fluoranthene

23.633min (-0.000) 4.29ng/ul m

JU 3/16/18

response 291668

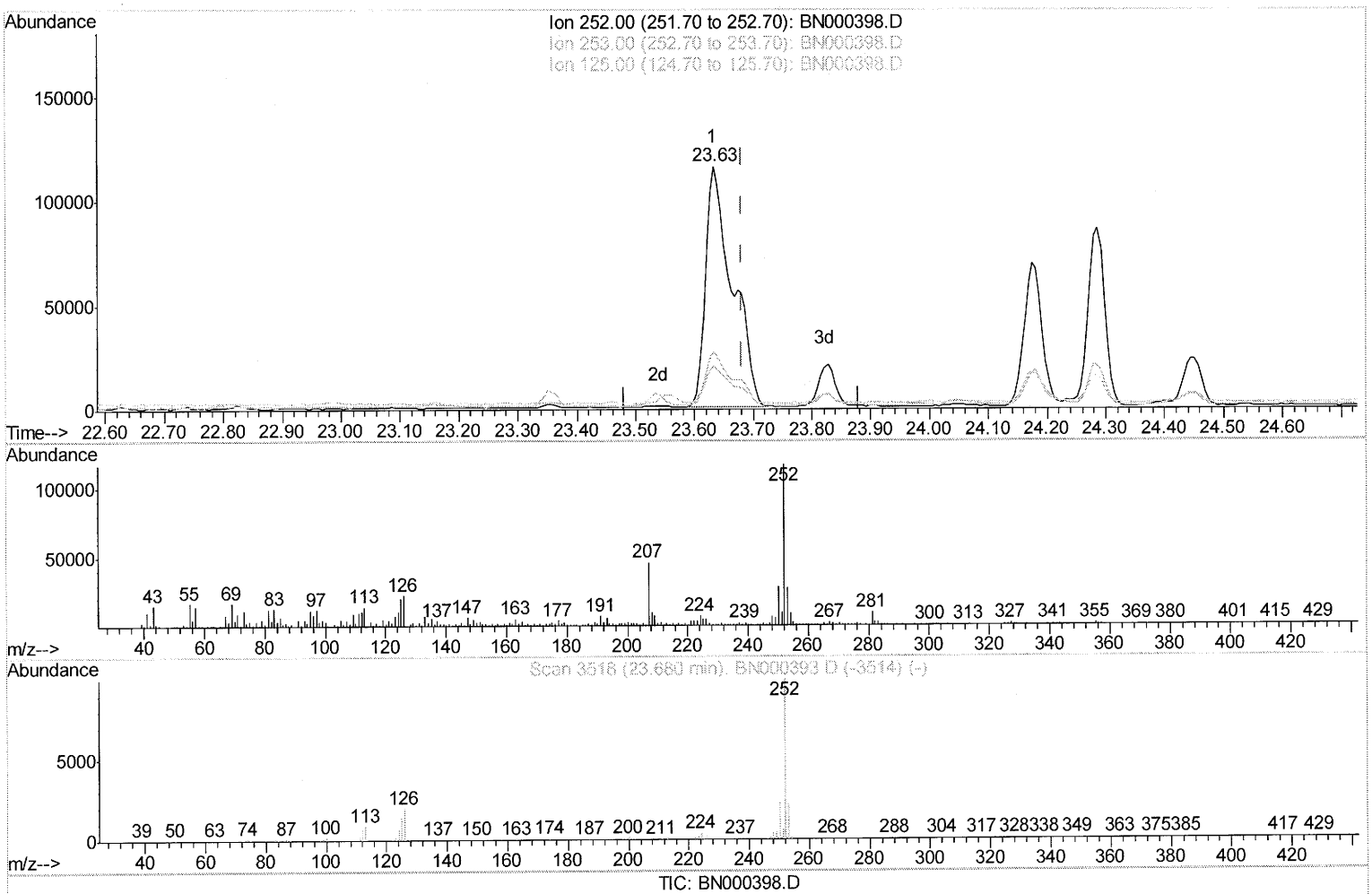
Ion	Exp%	Act%
252.00	100	100
253.00	22.50	23.47
125.00	10.00	17.69#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031418\
Data File : BN000398.D
Acq On : 15 Mar 2018 05:01
Operator : JU/SJ
Sample : J1865-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Mar 15 07:58:21 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 15 07:55:46 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DAMC1

Manual Integrations APPROVED
Sohil
3/15/2018 7:03:31 PM



(24) Benzo(k)fluoranthene

23.633min (-0.047) 5.77ng/ul

response 367387

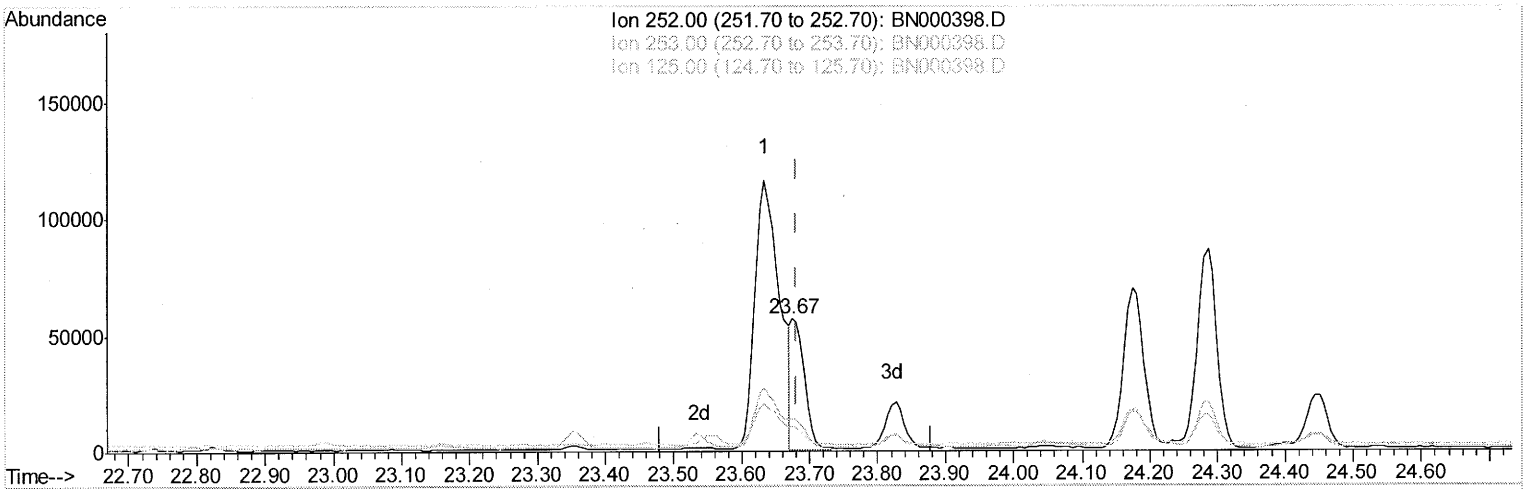
Ion	Exp%	Act%
252.00	100	100
253.00	22.50	23.47
125.00	10.10	17.69#
0.00	0.00	0.00

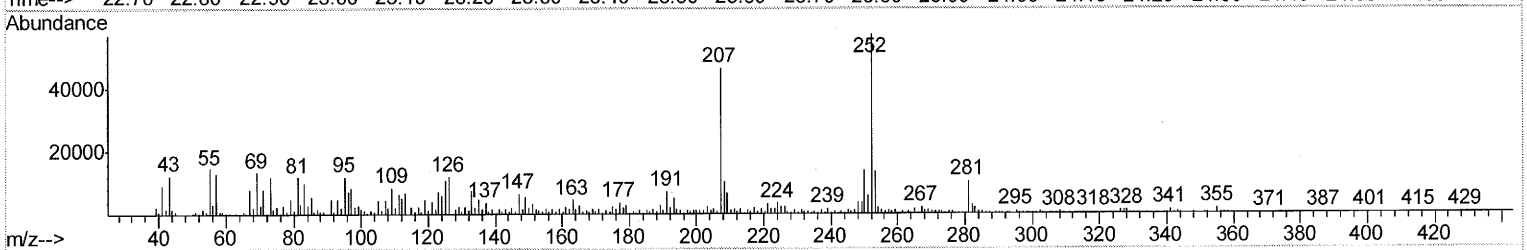
Data Path : Z:\HPCHEM1\BNA N\DATA\BN031418\
Data File : BN000398.D
Acq On : 15 Mar 2018 05:01
Operator : JU/SJ
Sample : J1865-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

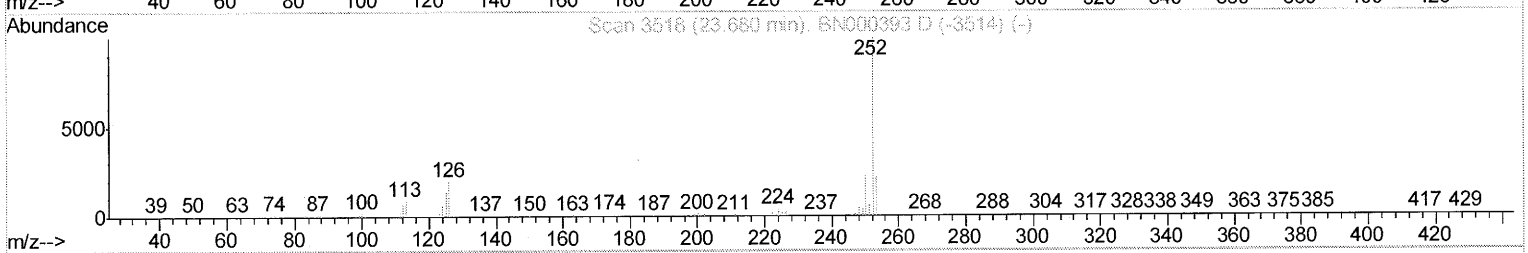
Quant Time: Mar 15 07:58:21 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 15 07:55:46 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DAMC1

Manual Integrations APPROVED
Sohil
3/15/2018 7:03:31 PM







TIC: BN000398.D

(24) Benzo(k)fluoranthene

23.674min (-0.006) 1.26ng/ul m

JV 3/16/18

response 80236

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	23.88
125.00	10.10	19.02#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031418\
Data File : BN000398.D
Acq On : 15 Mar 2018 05:01
Operator : JU/SJ
Sample : J1865-08
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DAMC1

Manual Integrations APPROVED
Sohil
3/15/2018 7:03:31 PM

Quant Time: Mar 15 08:09:05 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 15 07:55:46 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	185846	20.00	ng/ul	0.00
2) Naphthalene-d8	11.29	136	930990	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.06	164	549989	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.79	188	1251992	20.00	ng/ul	0.00
17) Chrysene-d12	21.90	240	1235249	20.00	ng/ul	0.00
22) Perylene-d12	24.39	264	1140270	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.76	160	2077756	38.06	ng/ul	0.00
10) Fluorene-d10	16.05	176	1367943	37.01	ng/ul	0.00
14) Anthracene-d10	17.89	188	2192514	37.48	ng/ul	0.00
18) Pyrene-d10	20.14	212	2421159	40.06	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.24	264	1950435	37.46	ng/ul	0.00
Target Compounds						Qvalue
13) Phenanthrene	17.83	178	130599	1.819	ng/ul	99
16) Fluoranthene	19.80	202	338242	4.360	ng/ul#	92
19) Pyrene	20.17	202	285082	3.655	ng/ul#	92
20) Benzo(a)anthracene	21.89	228	168697	2.197	ng/ul	97
21) Chrysene	21.94	228	187196	2.569	ng/ul	97
23) Benzo(b)fluoranthene	23.63	252	291668m	4.290	ng/ul	
24) Benzo(k)fluoranthene	23.67	252	80236m	1.261	ng/ul	
26) Benzo(a)pyrene	24.29	252	172608	2.667	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	26.96	276	136319	1.954	ng/ul#	85
29) Benzo(g,h,i)perylene	27.75	276	118179	2.028	ng/ul#	89

> JU 3/16/18

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