

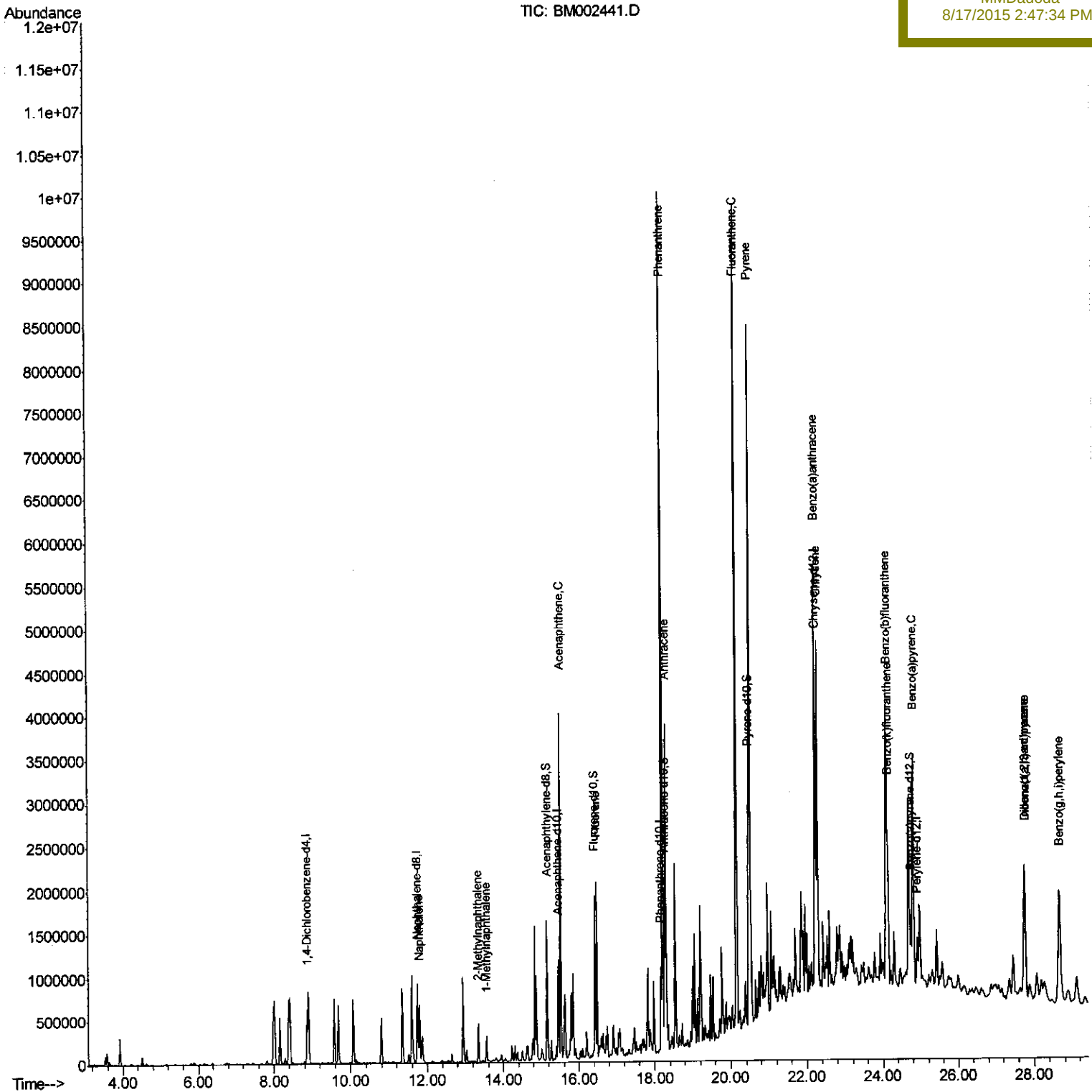
Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
Data File : BM002441.D
Acq On : 16 Aug 2015 01:05
Operator : UM/IZ
Sample : G3194-19MSD
Misc :
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Aug 17 07:19:06 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 17 05:12:59 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9DB8MSD

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:47:34 PM

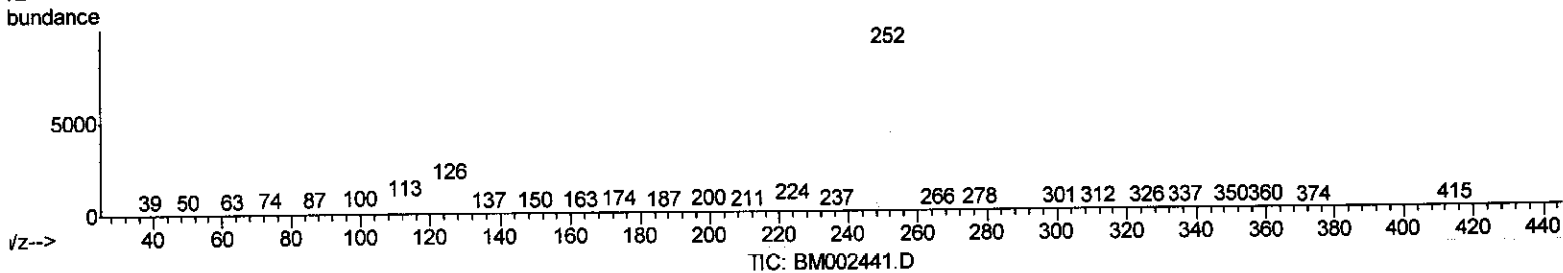
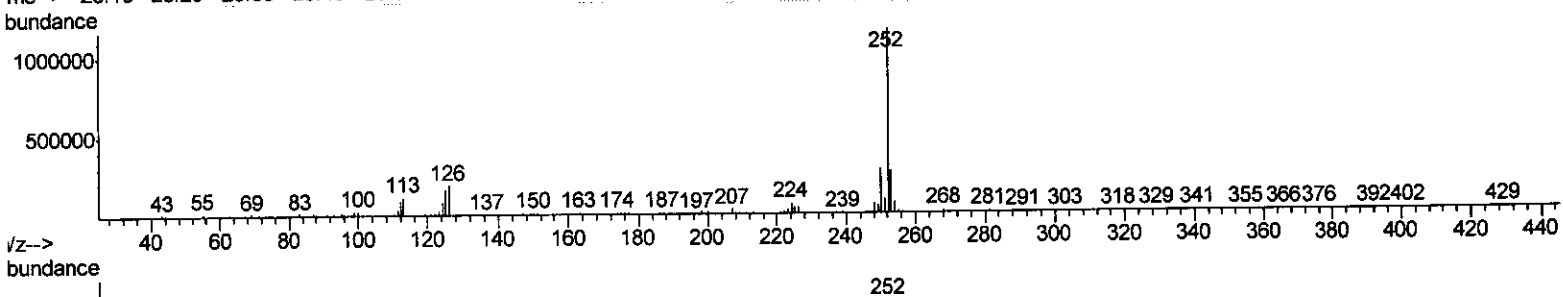
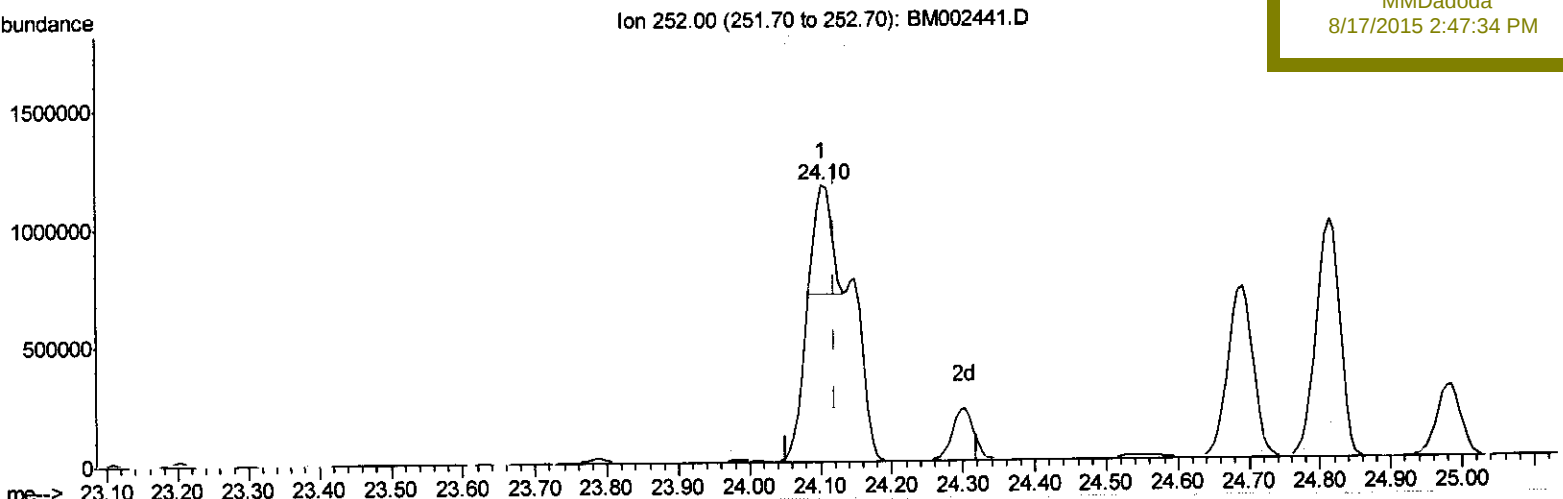


Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
Data File : BM002441.D
Acq On : 16 Aug 2015 01:05
Operator : UM/IZ
Sample : G3194-19MSD
Misc :
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Aug 17 05:19:37 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 17 05:12:59 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampled :
D9DB8MSD

Manual Integrations
APPROVED
MMDadoda
8/17/2015 2:47:34 PM



(24) Benzo(k)fluoranthene
24.103min (-0.018) 26.12ng/ul
response 739459
Ion Exp% Act%
252.00 100 100
253.00 22.20 22.59
125.00 12.30 13.81
0.00 0.00 0.00

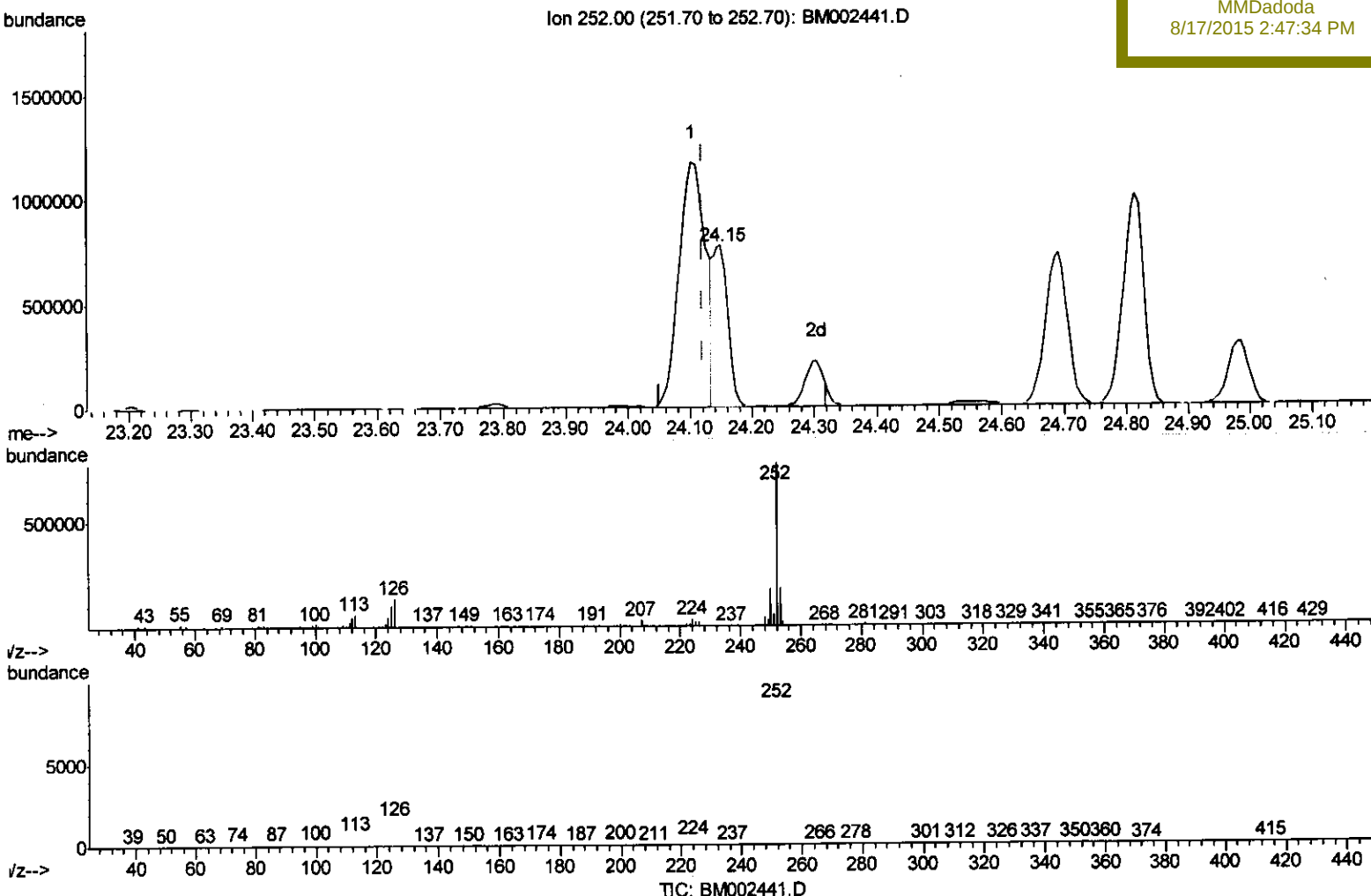
Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002441.D
 Acq On : 16 Aug 2015 01:05
 Operator : UM/IZ
 Sample : G3194-19MSD
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Quant Time: Aug 17 07:19:06 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 17 05:12:59 2015
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 D9DB8MSD

Manual Integrations
 APPROVED

MMDadoda
 8/17/2015 2:47:34 PM



(24) Benzo(k)fluoranthene

24.150min (+0.029) 45.55ng/ul m

response 1289690

Ion	Exp%	Act%
252.00	100	100
253.00	22.20	23.62
125.00	12.30	12.76
0.00	0.00	0.00

U.M
 08/18/15

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002441.D
 Acq On : 16 Aug 2015 01:05
 Operator : UM/IZ
 Sample : G3194-19MSD
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DB8MSD

Quant Time: Aug 17 07:19:06 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 17 05:12:59 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 8/17/2015 2:47:34 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	192002	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	842733	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	399914	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.17	188	648432	20.00	ng/ul	0.01
17) Chrysene-d12	22.24	240	455894	20.00	ng/ul	0.01
22) Perylene-d12	24.92	264	494204	20.00	ng/ul	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.16	160	1230609	30.10	ng/ul	0.00
10) Fluorene-d10	16.43	176	777145	27.06	ng/ul	0.00
14) Anthracene-d10	18.27	188	935311	29.90	ng/ul	0.02
18) Pvrene-d10	20.48	212	722643	35.76	ng/ul	0.01
25) Benzo(a)pyrene-d12	24.75	264	746615	28.76	ng/ul	0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	11.80	128	609988	14.18	ng/ul	99
4) 2-Methylnaphthalene	13.34	142	227584	7.06	ng/ul	100
5) 1-Methylnaphthalene	13.55	142	148611	4.66	ng/ul	99
9) Acenaphthene	15.52	153	1723261	61.13	ng/ul	99
11) Fluorene	16.48	166	953949	29.53	ng/ul	100
13) Phenanthrene	18.22	178	7207305	192.48	ng/ul	97
15) Anthracene	18.30	178	2429378	64.02	ng/ul	99
16) Fluoranthene	20.16	202	6530545	154.05	ng/ul	95
19) Pvrene	20.52	202	5754276	215.45	ng/ul	98
20) Benzo(a)anthracene	22.23	228	2665252	97.76	ng/ul	98
21) Chrysene	22.29	228	2495745	97.88	ng/ul	96
23) Benzo(b)fluoranthene	24.10	252	3423938	114.60	ng/ul	98
24) Benzo(k)fluoranthene	24.15	252	1289690m	45.55	ng/ul	
26) Benzo(a)pvrene	24.81	252	2345596	82.20	ng/ul	97
27) Indeno(1,2,3-cd)pvrene	27.77	276	1786926	54.45	ng/ul	94
28) Dibenzo(a,h)anthracene	27.77	278	506769	18.47	ng/ul#	89
29) Benzo(a,h,i)perylene	28.66	276	1564242	57.26	ng/ul	98

U.M
 08/18/15

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