

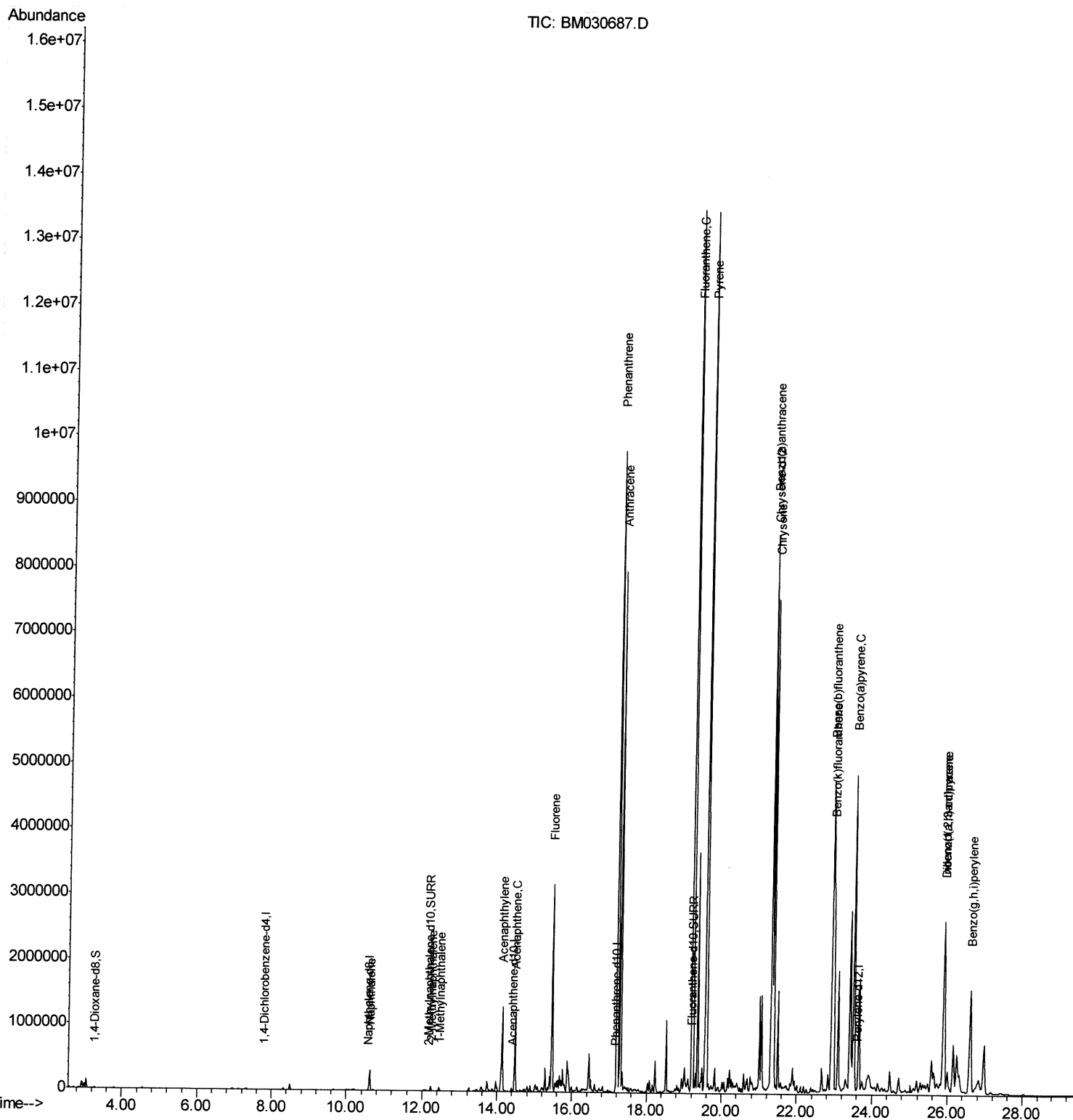
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062821\
Data File : BM030687.D
Acq On : 29 Jun 2021 12:30
Operator : CG/JU
Sample : M2680-07
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BGDD3

Quant Time: Jun 29 13:25:31 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 28 14:33:12 2021
Response via : Initial Calibration

Manual Integrations
APPROVED

mohammad
6/30/2021 10:24:52 AM



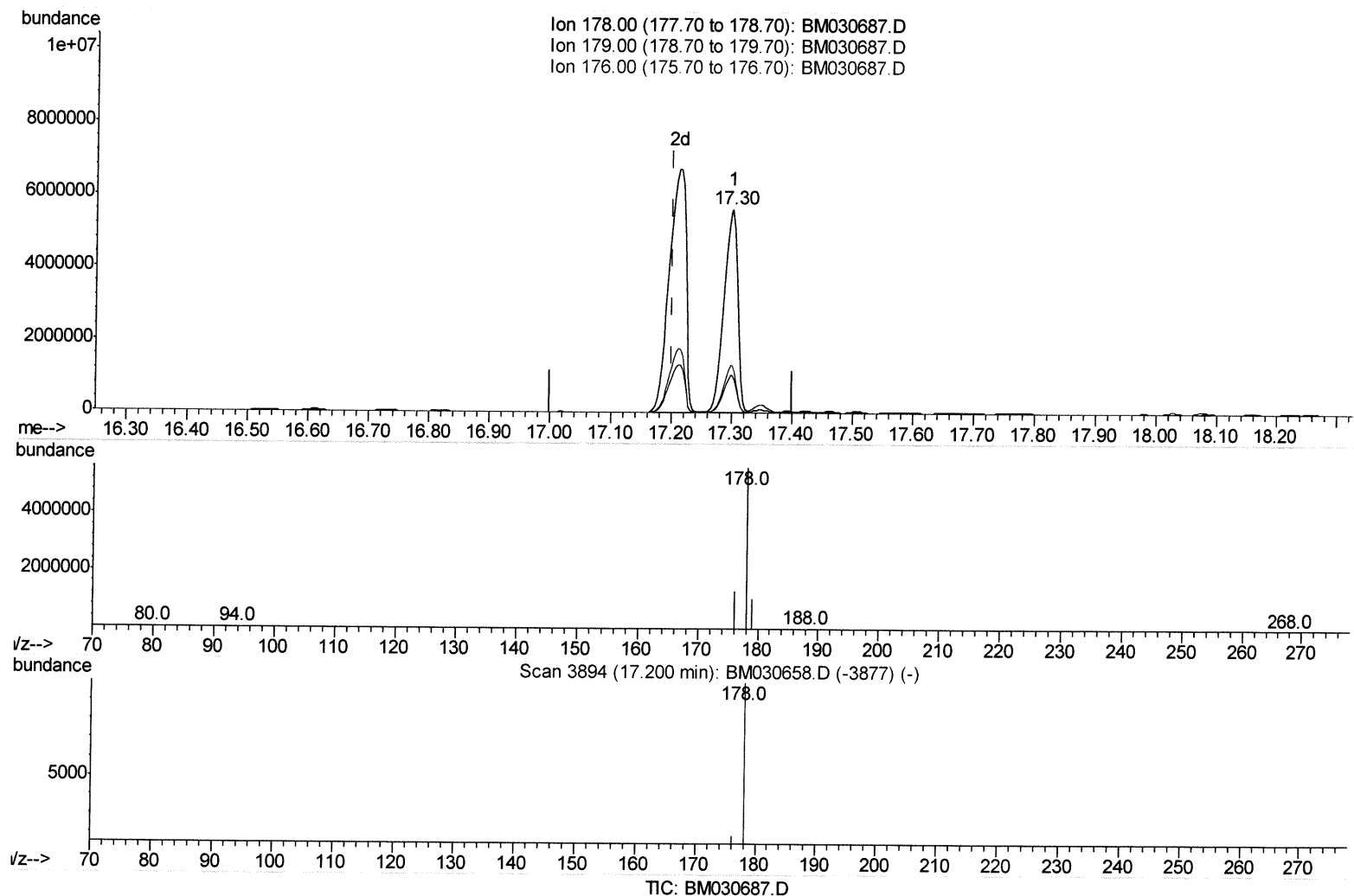
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062821\
 Data File : BM030687.D
 Acq On : 29 Jun 2021 12:30
 Operator : CG/JU
 Sample : M2680-07
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BGDD3

Manual Integrations
 APPROVED

mohammad
 6/30/2021 10:24:52 AM

Quant Time: Jun 29 13:18:41 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 28 14:33:12 2021
 Response via : Initial Calibration



(15) Phenanthrene

17.301min (+0.101) 231.18ng/ul

response 8970947

Ion	Exp%	Act%
178.00	100	100
179.00	16.60	18.55
176.00	20.00	23.49
0.00	0.00	0.00

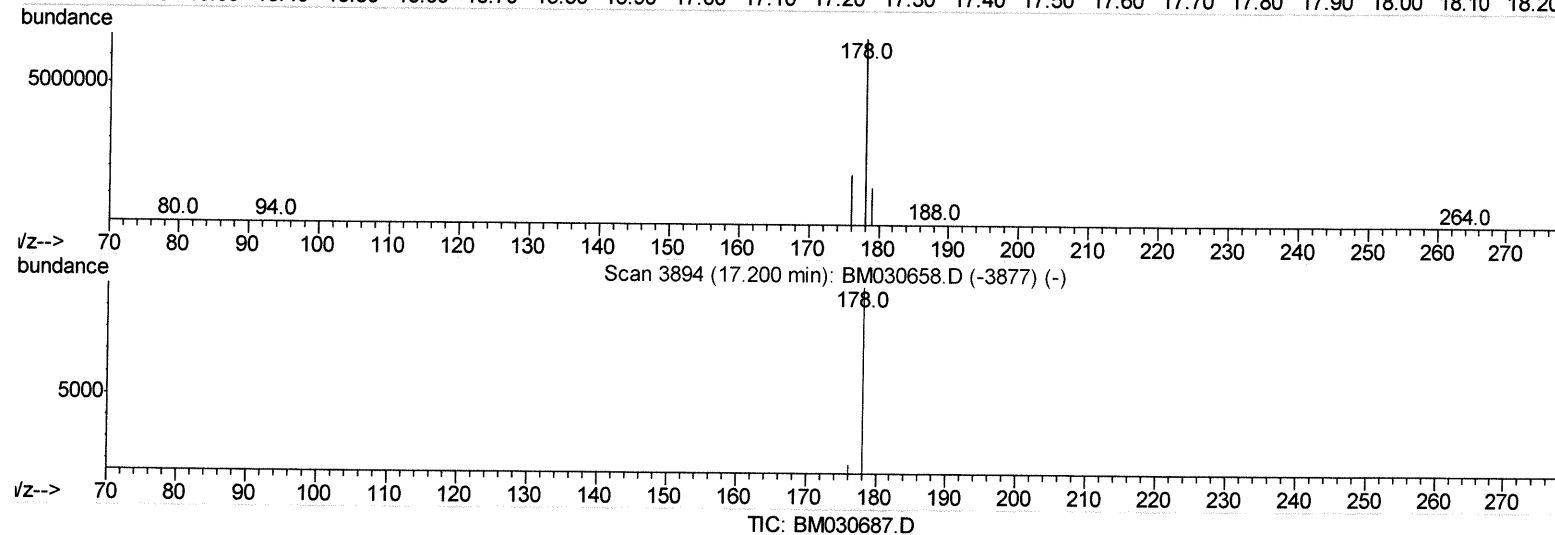
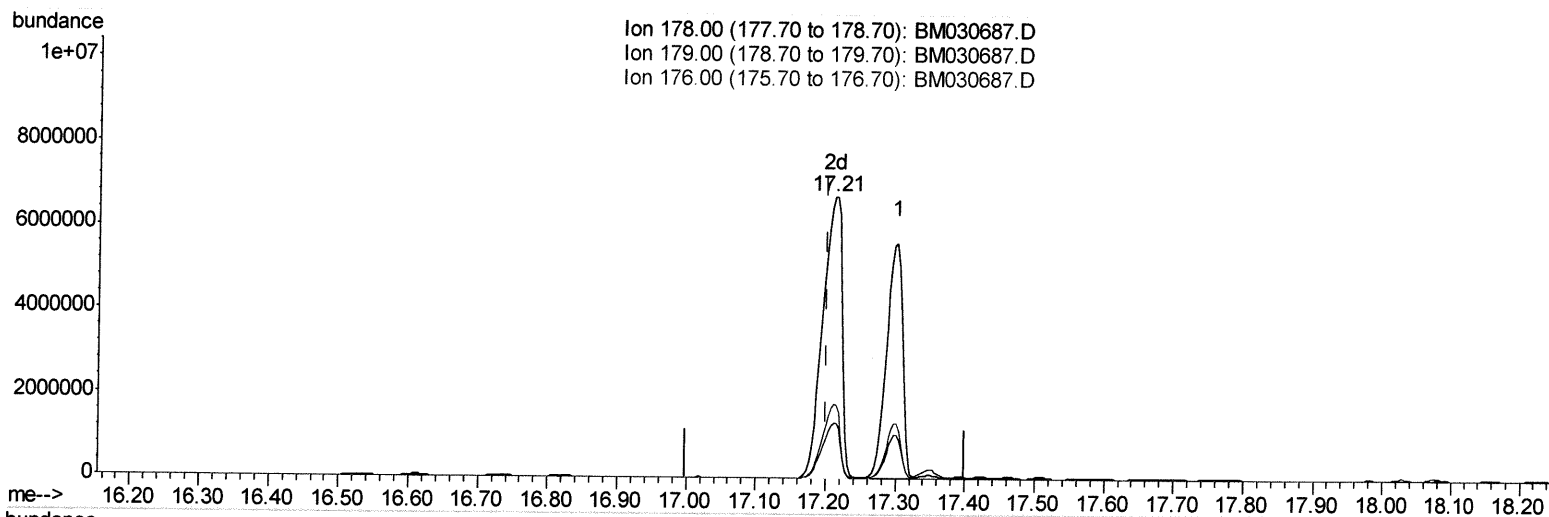
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062821\
 Data File : BM030687.D
 Acq On : 29 Jun 2021 12:30
 Operator : CG/JU
 Sample : M2680-07
 Misc :
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Instrument :
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Manual Integrations
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mohammad
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Quant Time: Jun 29 13:18:41 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062821.M
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TIC: BM030687.D

(15) Phenanthrene

17.211min (+0.010) 332.01ng/ul m

JU 6/30/21

response 12883549

Ion	Exp%	Act%
178.00	100	100
179.00	16.60	19.70
176.00	20.00	26.44#
0.00	0.00	0.00

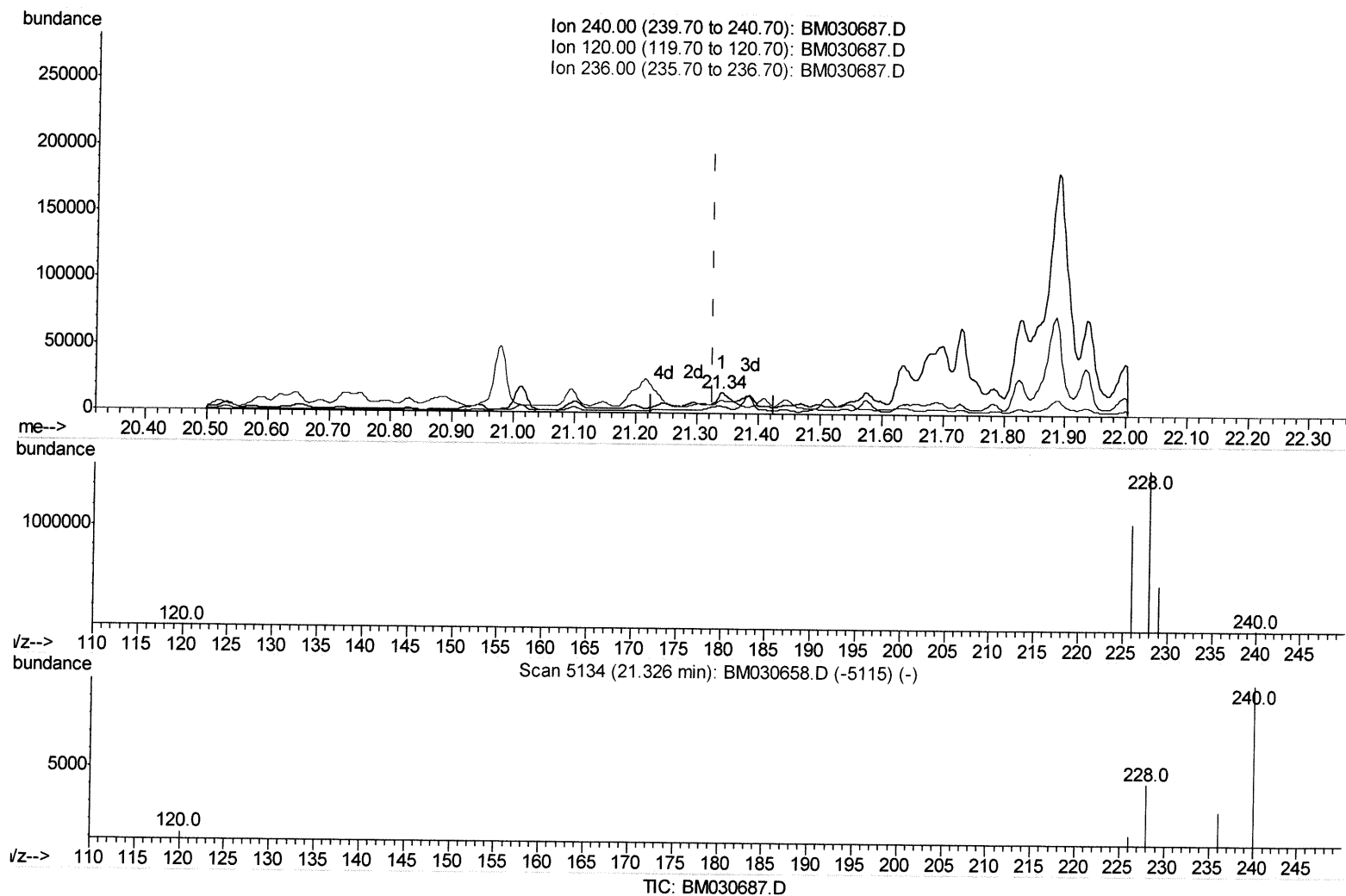
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062821\
 Data File : BM030687.D
 Acq On : 29 Jun 2021 12:30
 Operator : CG/JU
 Sample : M2680-07
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BGDD3

Quant Time: Jun 29 13:19:24 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 28 14:33:12 2021
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Manual Integrations
 APPROVED

mohammad
 6/30/2021 10:24:52 AM



(17) Chrysene-d12

21.340min (+0.015) 0.40ng/ul

response 15339

Ion	Exp%	Act%
240.00	100	100
120.00	16.80	35.09#
236.00	29.50	64.54#
0.00	0.00	0.00

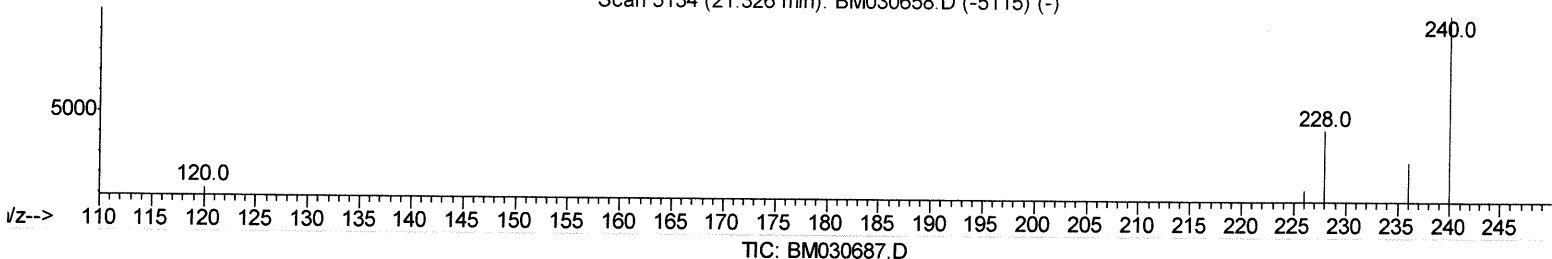
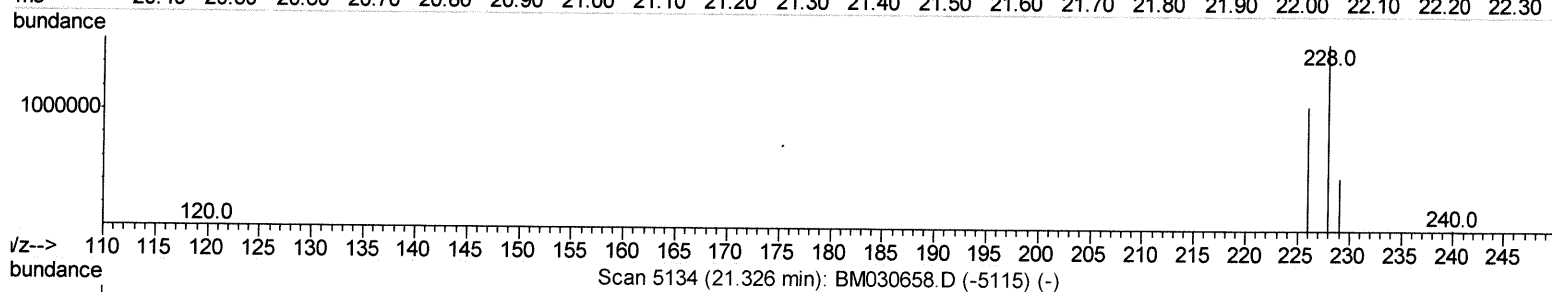
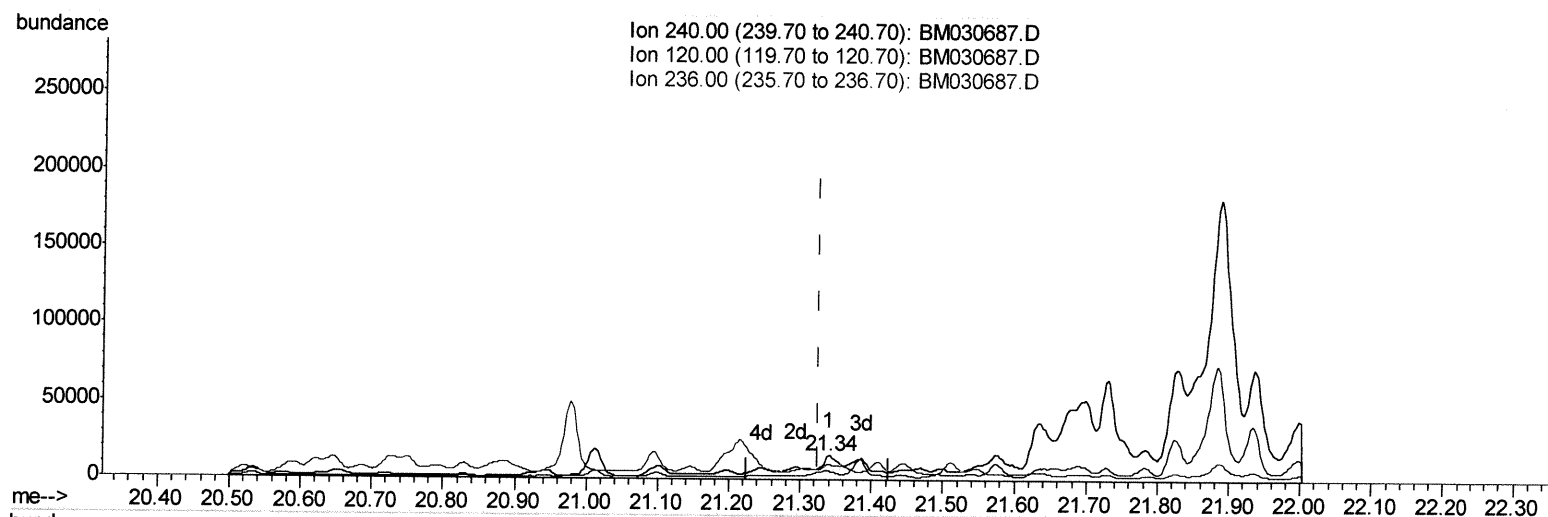
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062821\
 Data File : BM030687.D
 Acq On : 29 Jun 2021 12:30
 Operator : CG/JU
 Sample : M2680-07
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Manual Integrations
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mohammad
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 28 14:33:12 2021
 Response via : Initial Calibration



(17) Chrysene-d12

21.340min (+0.015) 0.40ng/ul m *306/20/21*

response 10542

Ion	Exp%	Act%
240.00	100	100
120.00	16.80	35.09#
236.00	29.50	64.54#
0.00	0.00	0.00

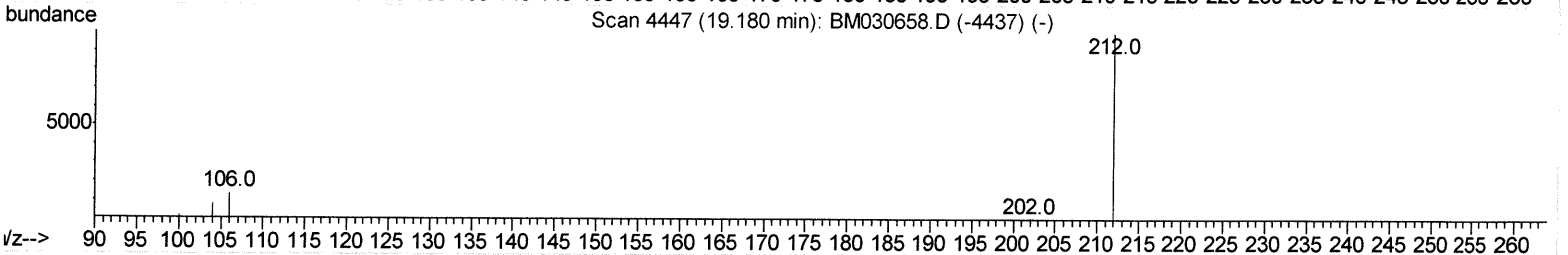
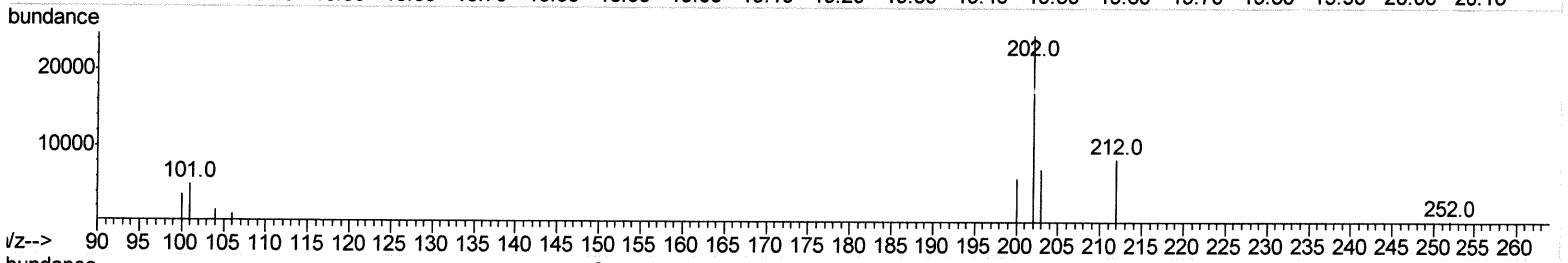
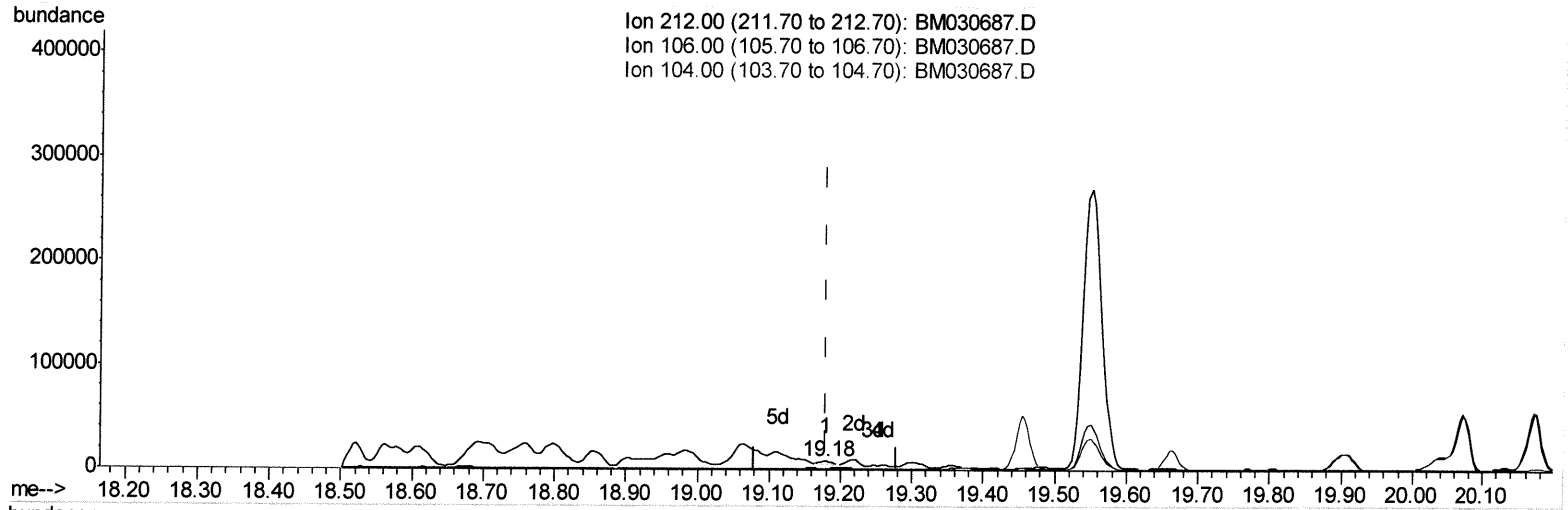
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062821\
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Manual Integrations
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Quant Time: Jun 29 13:20:11 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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TIC: BM030687.D

(18) Fluoranthene-d10 (SURR)

19.180min (+0.000) 0.13ng/ul

response 4058

Ion	Exp%	Act%
212.00	100	100
106.00	14.20	11.53
104.00	8.40	0.00#
0.00	0.00	0.00

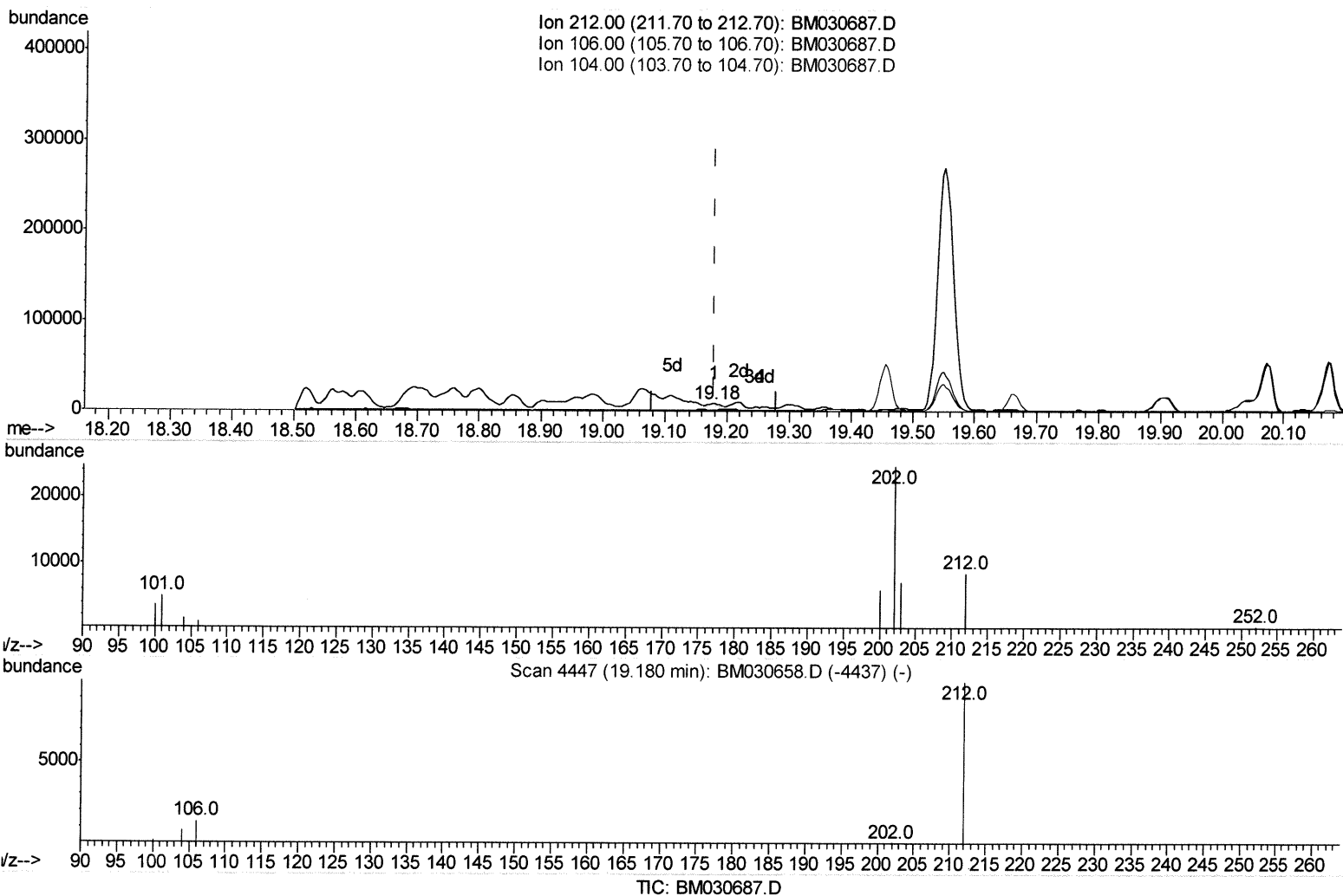
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062821\
 Data File : BM030687.D
 Acq On : 29 Jun 2021 12:30
 Operator : CG/JU
 Sample : M2680-07
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BGDD3

Manual Integrations
 APPROVED

mohammad
 6/30/2021 10:24:52 AM

Quant Time: Jun 29 13:20:11 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 28 14:33:12 2021
 Response via : Initial Calibration



(18) Fluoranthene-d10 (SURR)

19.180min (+0.000) 0.18ng/ul m

response 5495

Ion	Exp%	Act%
212.00	100	100
106.00	14.20	8.52#
104.00	8.40	0.00#
0.00	0.00	0.00

Ju 6/30/21

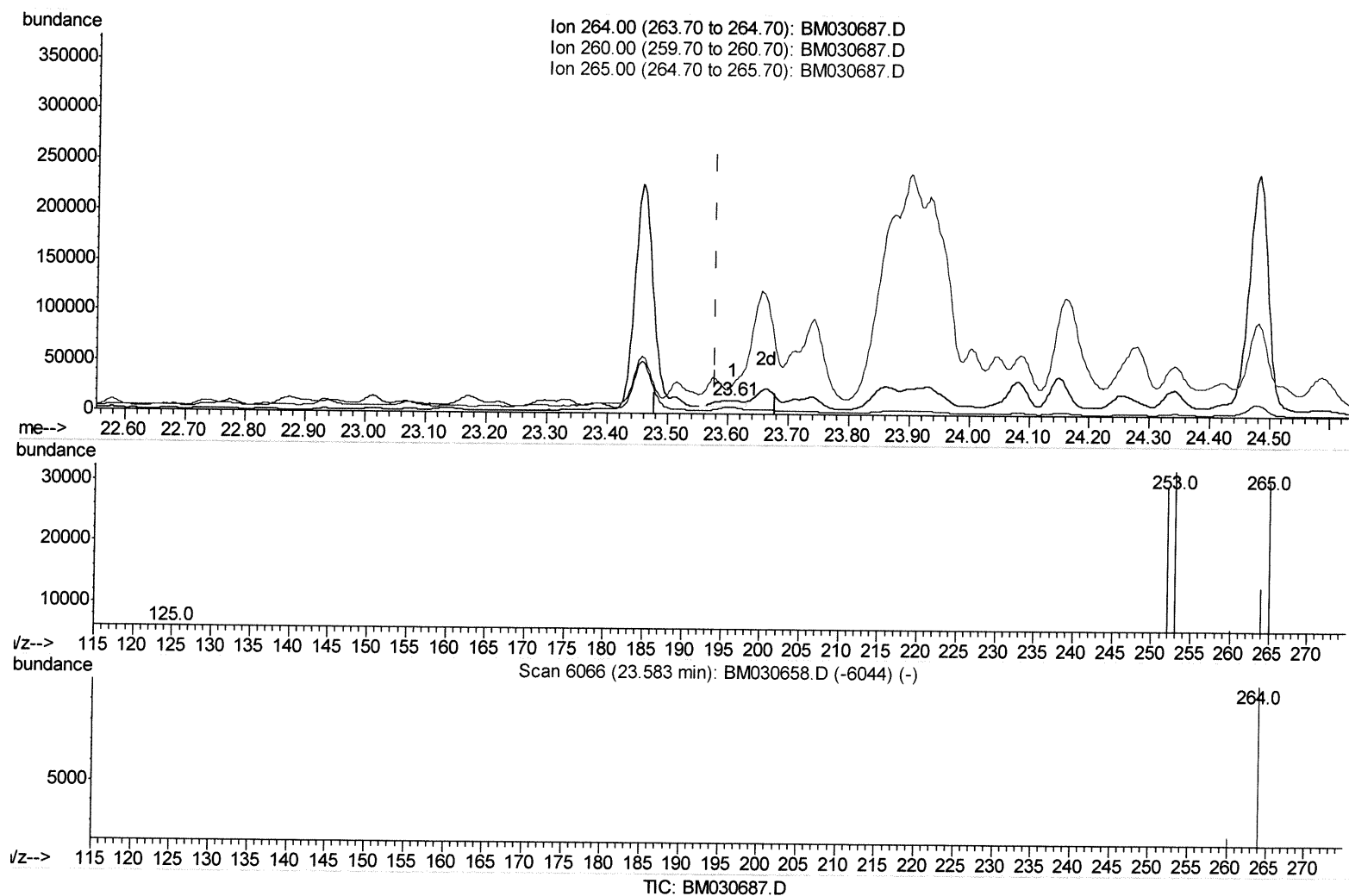
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062821\
 Data File : BM030687.D
 Acq On : 29 Jun 2021 12:30
 Operator : CG/JU
 Sample : M2680-07
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

mohammad
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Quant Time: Jun 29 13:20:11 2021
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 QLast Update : Mon Jun 28 14:33:12 2021
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(23) Perylene-d12 (I)

23.610min (+0.029) 0.40ng/ul

response 20377

Ion	Exp%	Act%
264.00	100	100
260.00	26.60	48.84#
265.00	86.70	227.94#
0.00	0.00	0.00

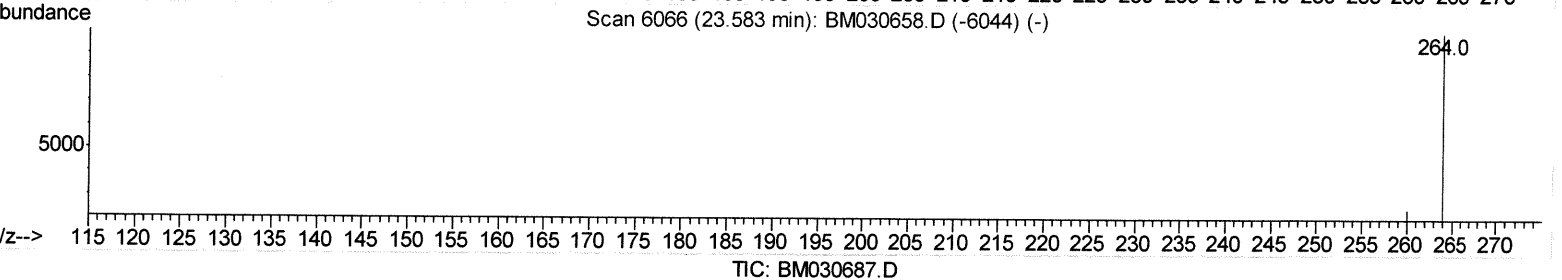
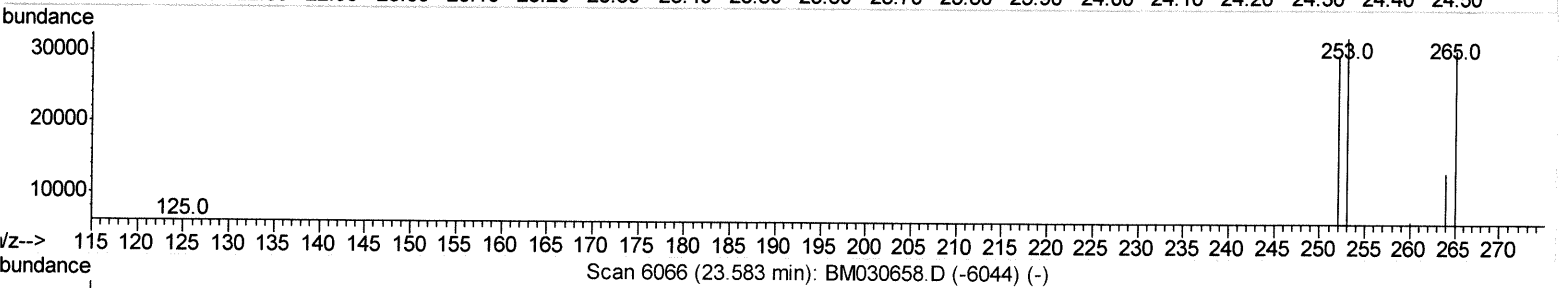
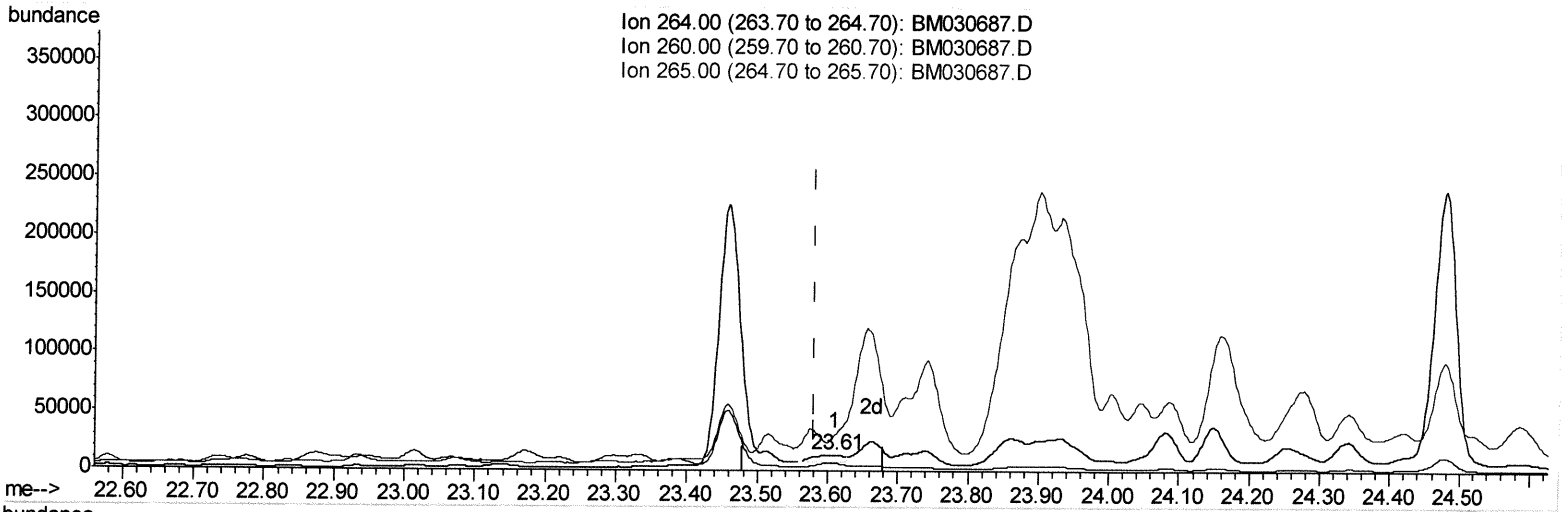
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062821\
Data File : BM030687.D
Acq On : 29 Jun 2021 12:30
Operator : CG/JU
Sample : M2680-07
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BGDD3

Manual Integrations
APPROVED

mohammad
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(23) Perylene-d12 (I)

23.610min (+0.029) 0.40ng/ul m

response 17925

JU 6/30/21

Ion	Exp%	Act%
264.00	100	100
260.00	26.60	48.84#
265.00	86.70	227.94#
0.00	0.00	0.00

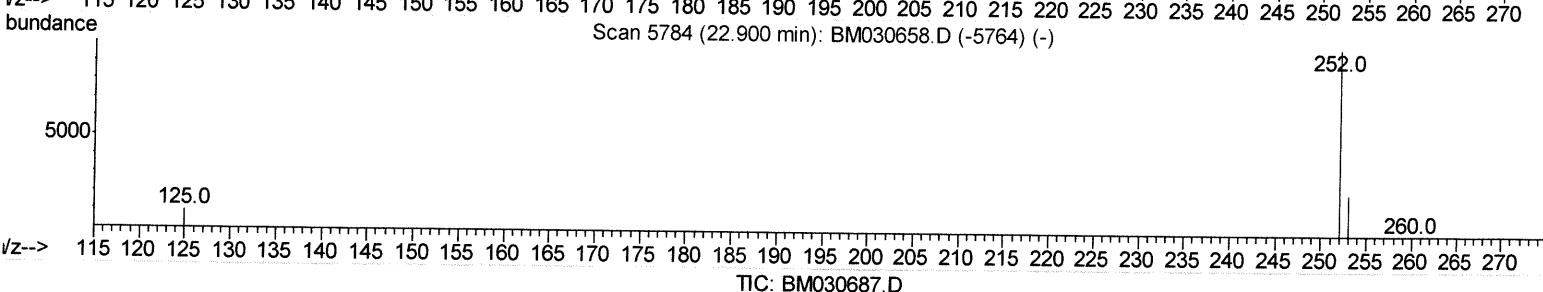
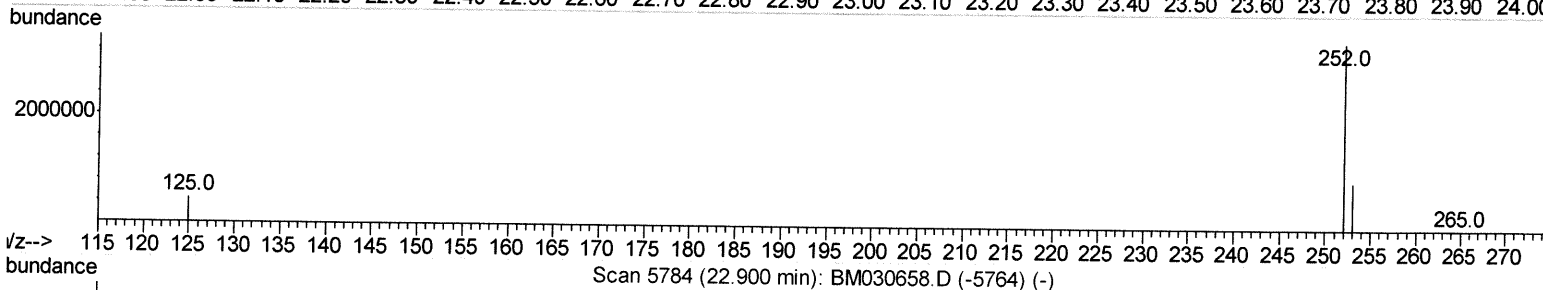
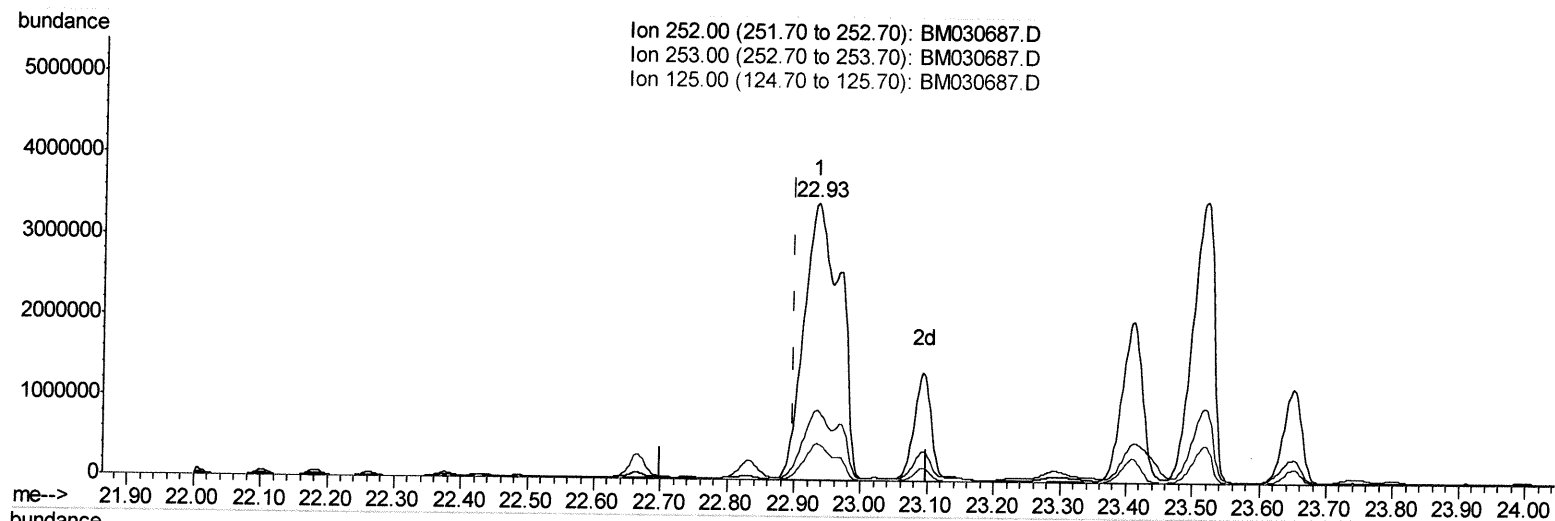
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062821\
 Data File : BM030687.D
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 Operator : CG/JU
 Sample : M2680-07
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Manual Integrations
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Quant Time: Jun 29 13:21:52 2021
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 QLast Update : Mon Jun 28 14:33:12 2021
 Response via : Initial Calibration



(24) Benzo(b)fluoranthene

22.934min (+0.034) 161.21ng/ul

response 12798852

Ion	Exp%	Act%
252.00	100	100
253.00	28.90	25.47
125.00	16.60	13.15
0.00	0.00	0.00

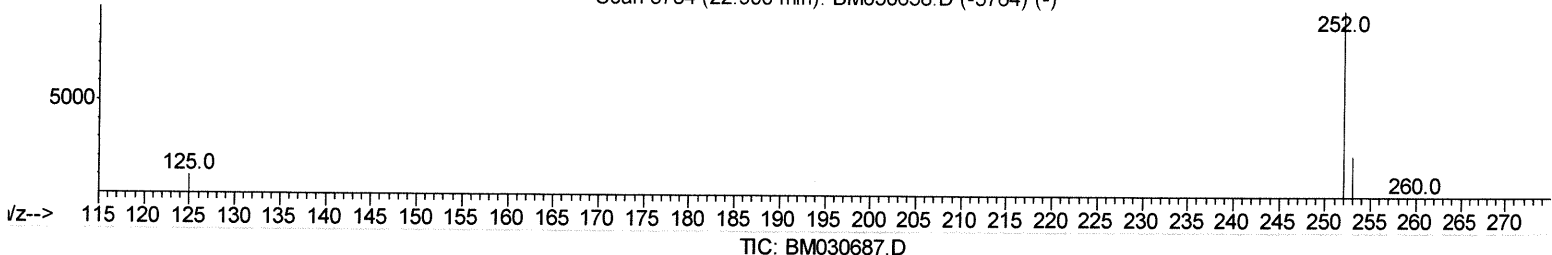
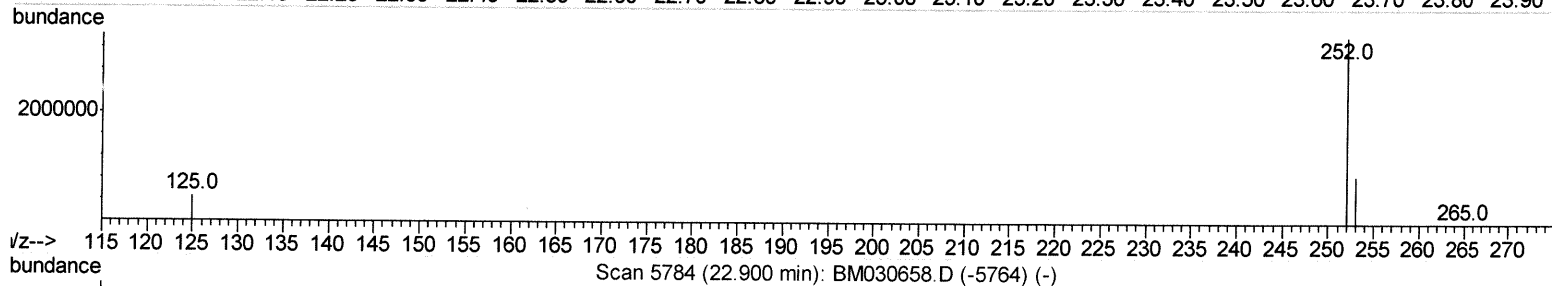
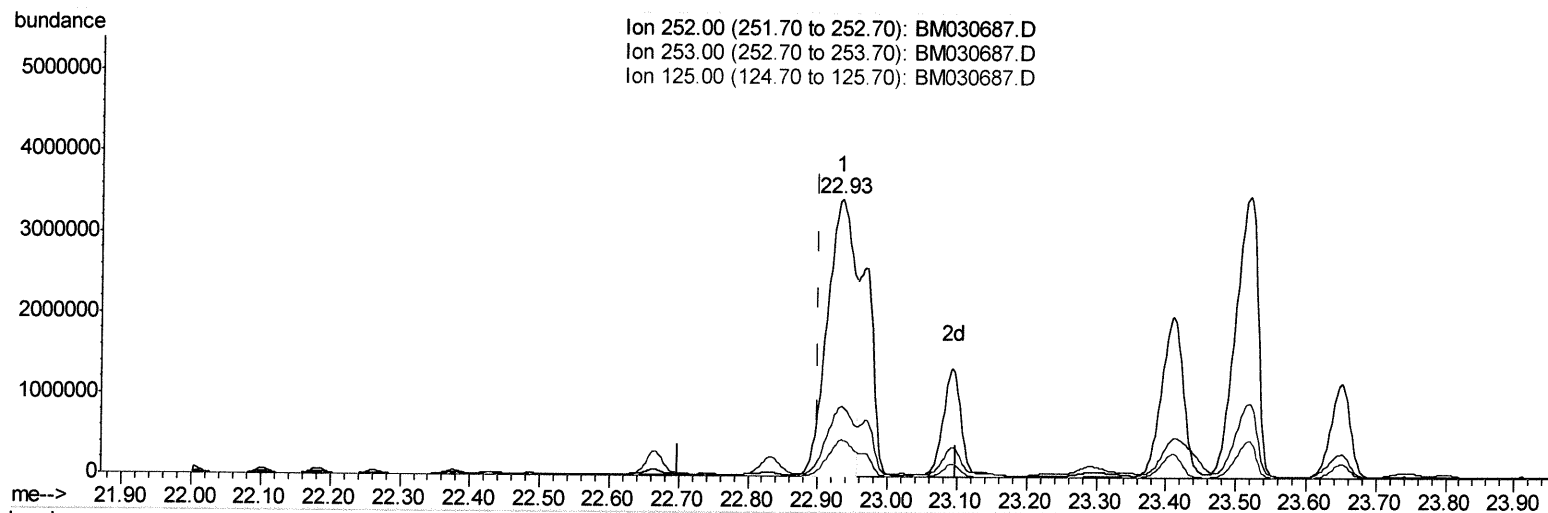
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062821\
 Data File : BM030687.D
 Acq On : 29 Jun 2021 12:30
 Operator : CG/JU
 Sample : M2680-07
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BGDD3

Quant Time: Jun 29 13:21:52 2021
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Manual Integrations
 APPROVED

mohammad
 6/30/2021 10:24:52 AM



(24) Benzo(b)fluoranthene

22.934min (+0.034) 115.35ng/ul m

response 9158441

JU 6/30/21

Ion	Exp%	Act%
252.00	100	100
253.00	28.90	25.47
125.00	16.60	13.15
0.00	0.00	0.00

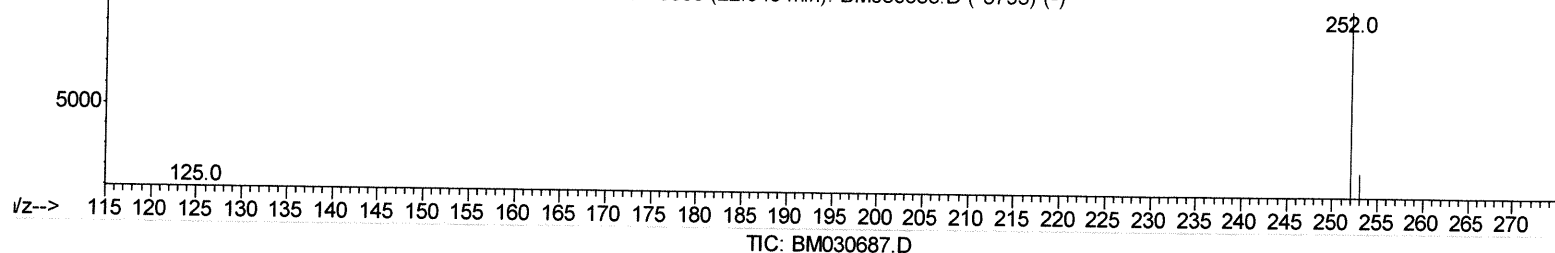
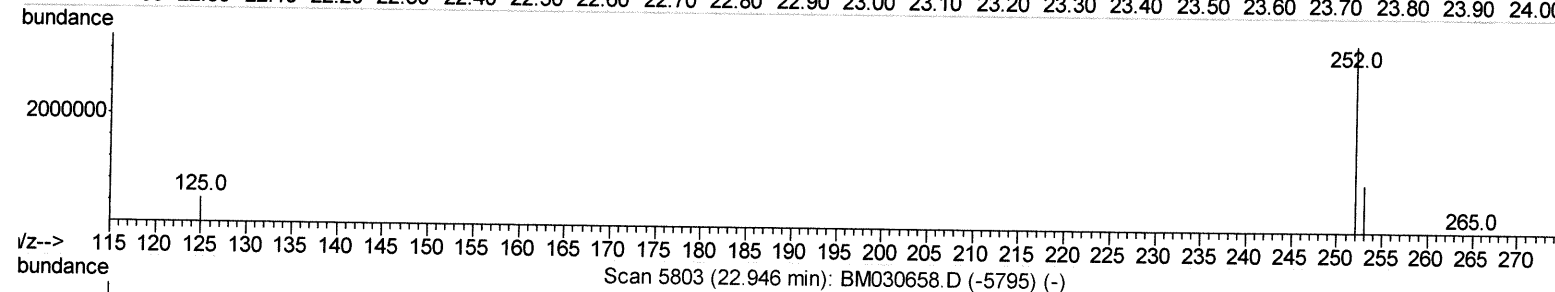
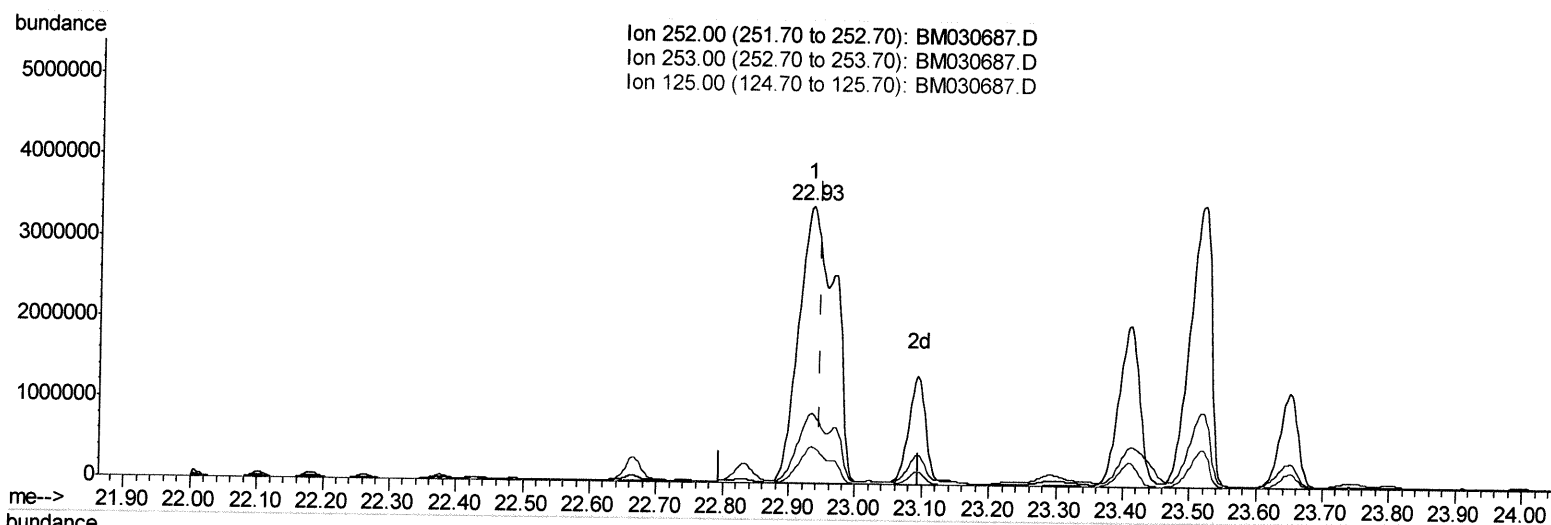
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062821\
 Data File : BM030687.D
 Acq On : 29 Jun 2021 12:30
 Operator : CG/JU
 Sample : M2680-07
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BGDD3

Quant Time: Jun 29 13:21:52 2021
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Manual Integrations
 APPROVED

mohammad
 6/30/2021 10:24:52 AM



(25) Benzo(k)fluoranthene

22.934min (-0.012) 156.36ng/ul

response 12798852

Ion	Exp%	Act%
252.00	100	100
253.00	29.00	25.47
125.00	15.80	13.15
0.00	0.00	0.00

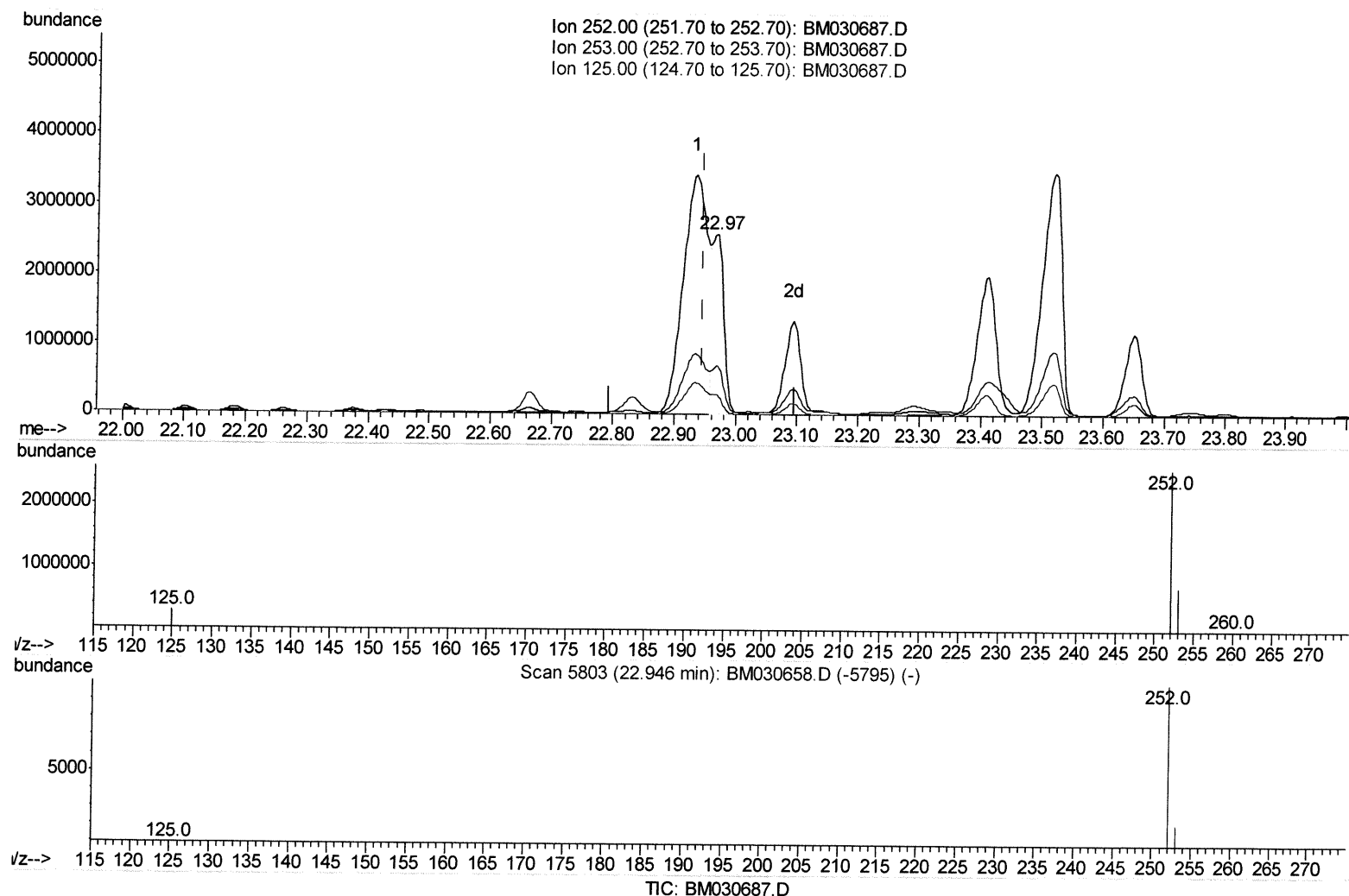
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062821\
 Data File : BM030687.D
 Acq On : 29 Jun 2021 12:30
 Operator : CG/JU
 Sample : M2680-07
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
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Quant Time: Jun 29 13:21:52 2021
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Manual Integrations
 APPROVED

mohammad
 6/30/2021 10:24:52 AM



(25) Benzo(k)fluoranthene

22.970min (+0.024) 41.26ng/ul m

response 3377279

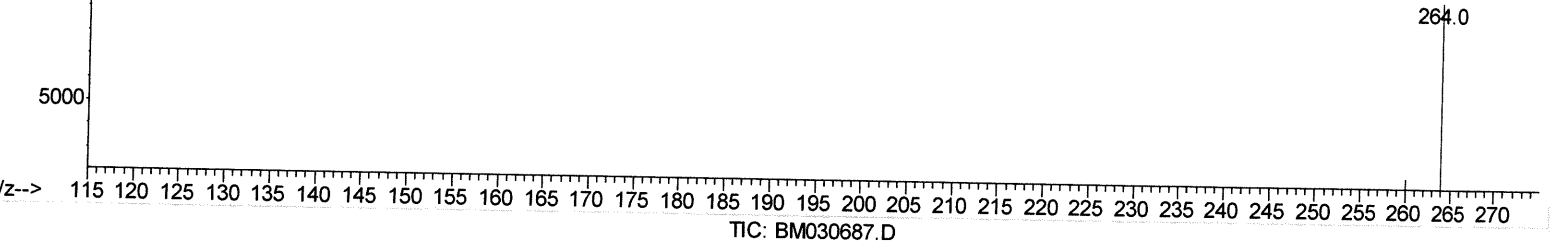
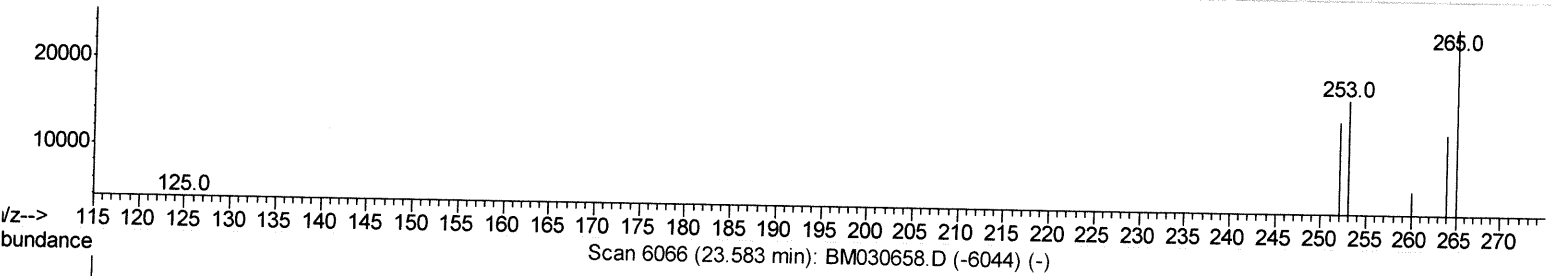
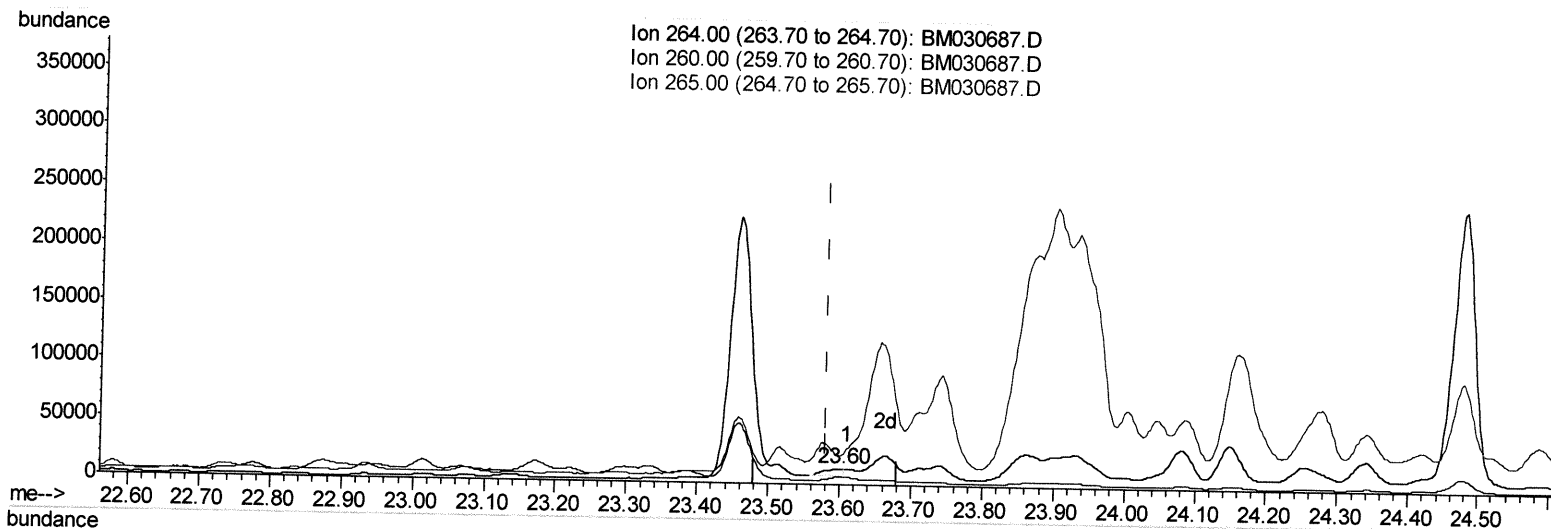
Ion	Exp%	Act%
252.00	100	100
253.00	29.00	27.04
125.00	15.80	10.90#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062821\
 Data File : BM030687.D
 Acq On : 29 Jun 2021 12:30
 Operator : CG/JU
 Sample : M2680-07
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 BGDD3

Manual Integrations
 APPROVED
 mohammad
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Quant Time: Jun 29 13:23:33 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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(23) Perylene-d12 (I)

23.602min (+0.022) 0.40ng/ul m

response 11069

Ion	Exp%	Act%
264.00	100	100
260.00	26.60	50.29#
265.00	86.70	193.03#
0.00	0.00	0.00

Ju 6/30/21

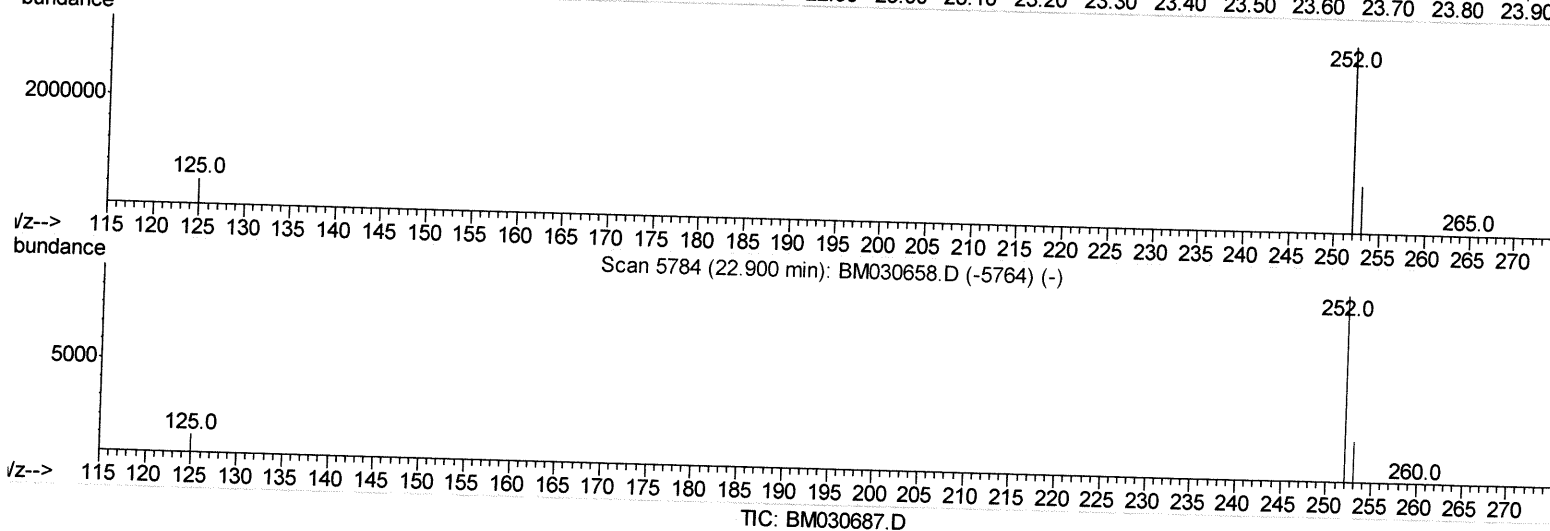
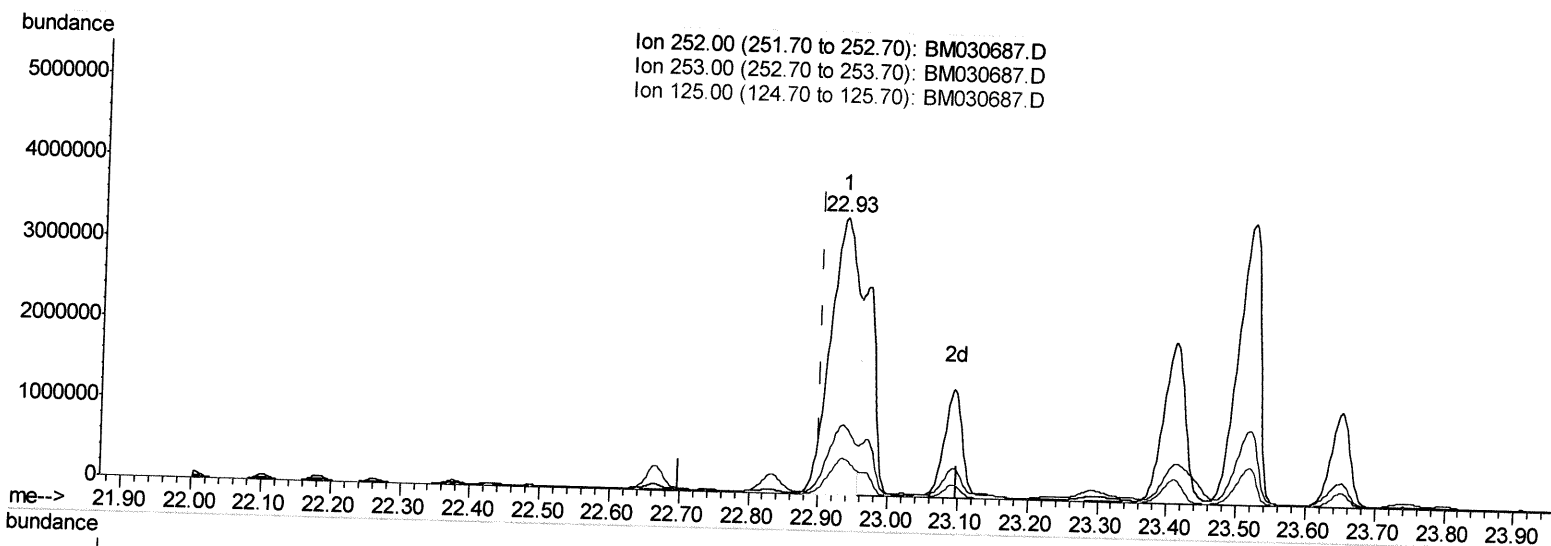
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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(24) Benzo(b)fluoranthene

22.934min (+0.034) 186.80ng/ul m

response 9158441

JU 6/30/21

Ion	Exp%	Act%
252.00	100	100
253.00	28.90	25.47
125.00	16.60	13.15
0.00	0.00	0.00

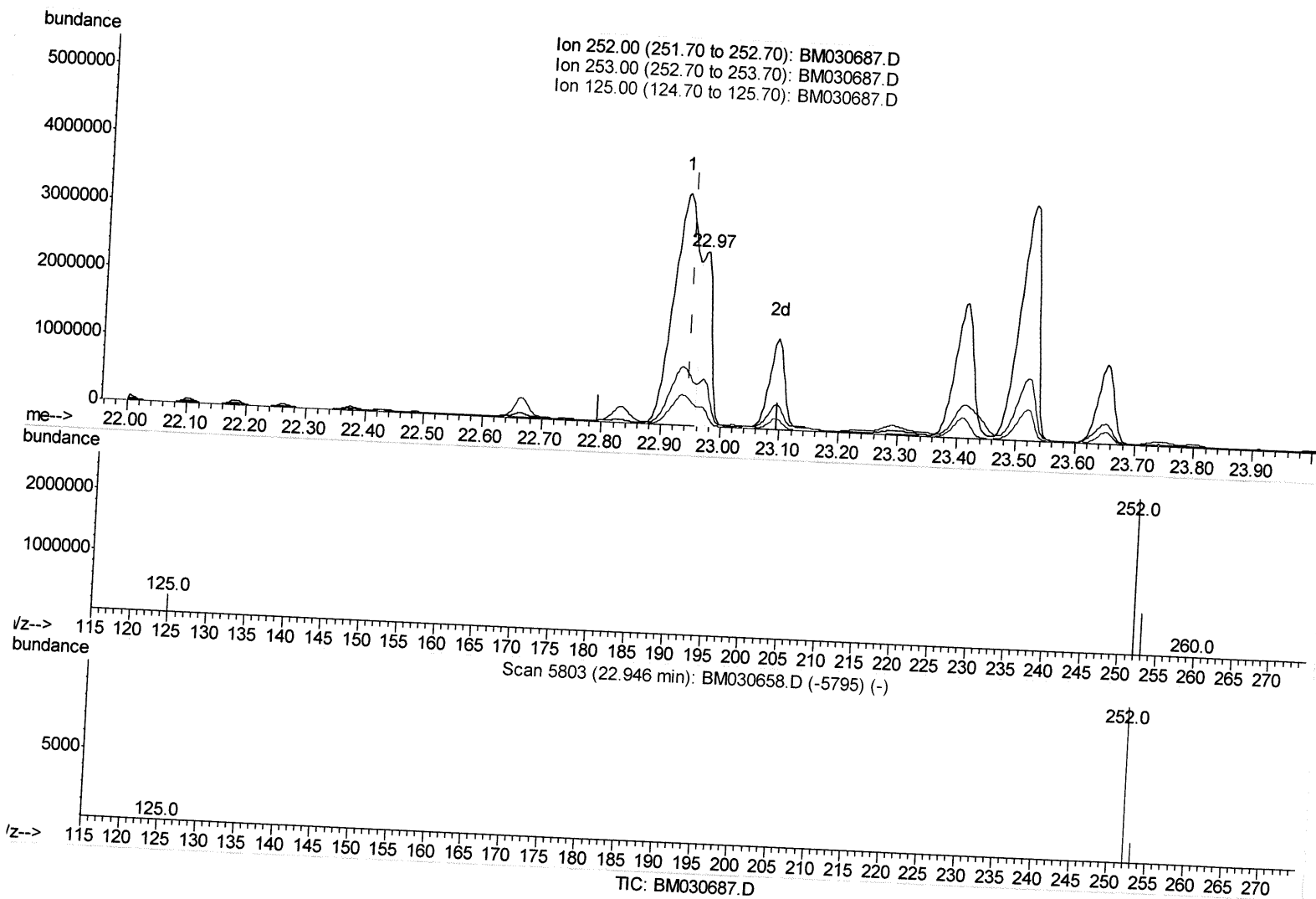
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062821\
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 Operator : CG/JU
 Sample : M2680-07
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062821.M
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(25) Benzo(k)fluoranthene

22.970min (+0.024) 66.82ng/ul m *JU 6/30/21*

response 3377279

Ion	Exp%	Act%
252.00	100	100
253.00	29.00	27.04
125.00	15.80	10.90#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062821\
 Data File : BM030687.D
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 Operator : CG/JU
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 ALS Vial : 31 Sample Multiplier: 1

Instrument :
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Manual Integrations
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mohammad
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	2490	0.40	ng/ul	0.00
4) Naphthalene-d8	10.57	136	9377	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.41	164	7340	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.16	188	11543	0.40	ng/ul	0.00
17) Chrysene-d12	21.34	240	10542m	0.40	ng/ul	0.01
23) Perylene-d12	23.60	264	11069m	0.40	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.28	96	7697	2.84	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.16	152	2844	0.19	ng/ul	0.00
18) Fluoranthene-d10	19.18	212	5495m	0.18	ng/ul	>0.00
Target Compounds						
					Ovalue	
5) Naphthalene	10.62	128	430238	16.101	ng/ul	97
7) 2-Methylnaphthalene	12.23	142	51149	2.844	ng/ul	99
8) 1-Methylnaphthalene	12.45	142	36579	2.090	ng/ul	99
10) Acenaphthylene	14.14	152	1508749	46.047	ng/ul	99
11) Acenaphthene	14.48	153	691103	26.029	ng/ul	97
12) Fluorene	15.46	166	2013740	68.756	ng/ul	99
15) Phenanthrene	17.21	178	12883549m	332.009	ng/ul	> 94
16) Anthracene	17.30	178	8976066	264.130	ng/ul	94
19) Fluoranthene	19.23	202	17446405	374.950	ng/ul#	90
20) Pyrene	19.60	202	15512912	331.550	ng/ul#	86
21) Benzo(a)anthracene	21.33	228	8744430	208.086	ng/ul#	76
22) Chrysene	21.38	228	7380089	156.776	ng/ul#	86
24) Benzo(b)fluoranthene	22.93	252	9158441m	186.803	ng/ul	< 88
25) Benzo(k)fluoranthene	22.97	252	3377279m	66.815	ng/ul	< 96
26) Benzo(a)pyrene	23.52	252	7710463	184.902	ng/ul#	88
27) Indeno(1,2,3-cd)pyrene	25.91	276	4601257	84.703	ng/ul#	96
28) Dibenzo(a,h)anthracene	25.90	278	1199876	27.525	ng/ul	98
29) Benzo(a,h,i)perylene	26.62	276	3536086	74.922	ng/ul	98

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