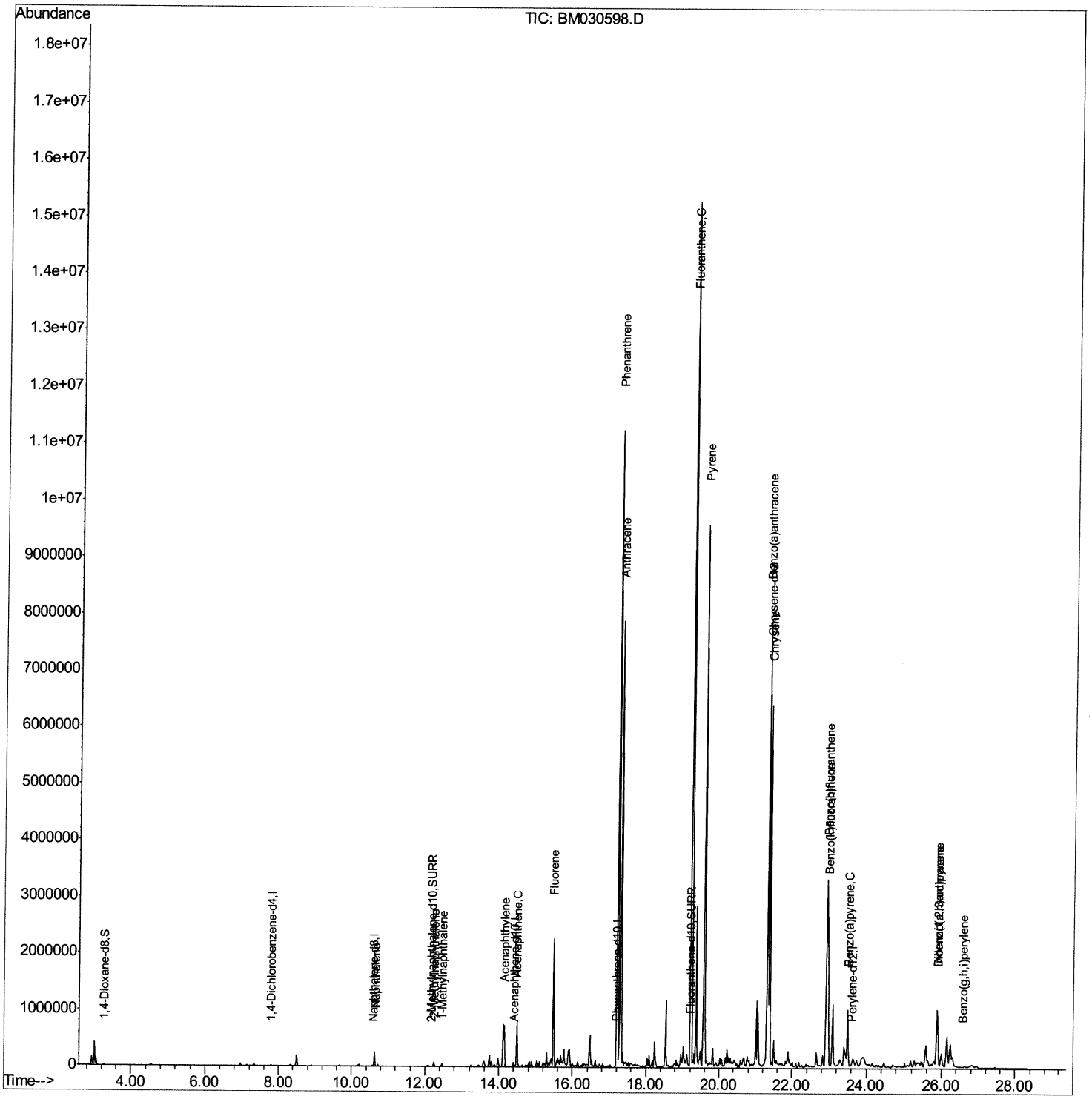
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030598.D
Acq On : 25 Jun 2021 12:55
Operator : CG/JU
Sample : M2662-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 25 13:43:11 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 12:45:36 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGDF5

Manual Integrations APPROVED
mohammad
6/28/2021 1:11:14 PM



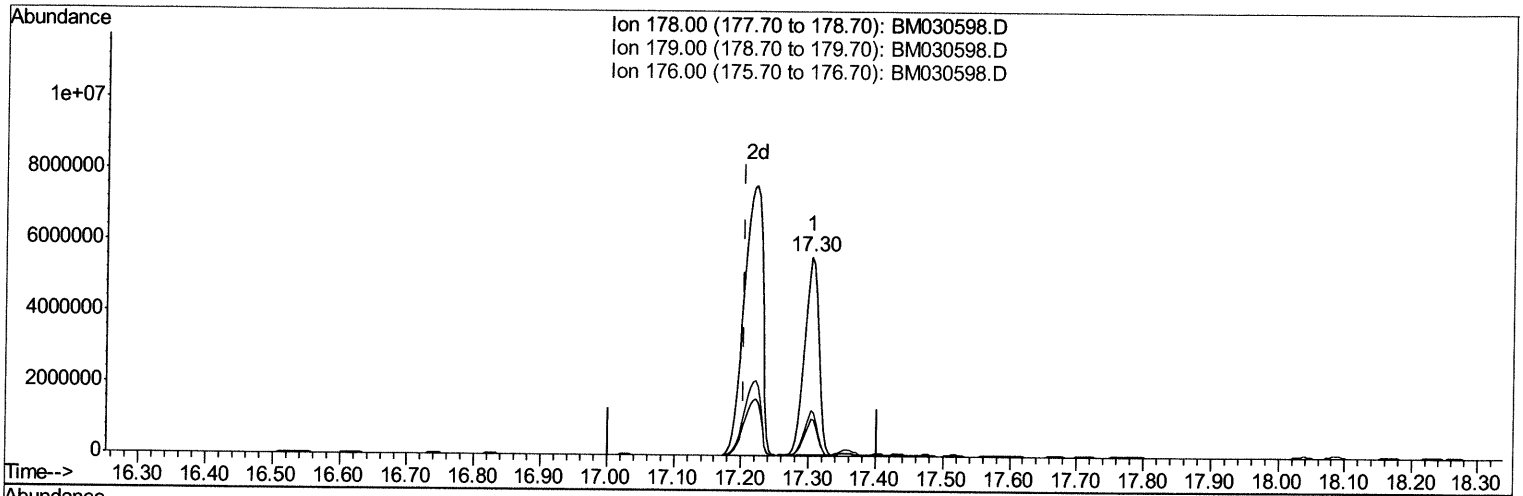
Quantitation Report (Qedit)

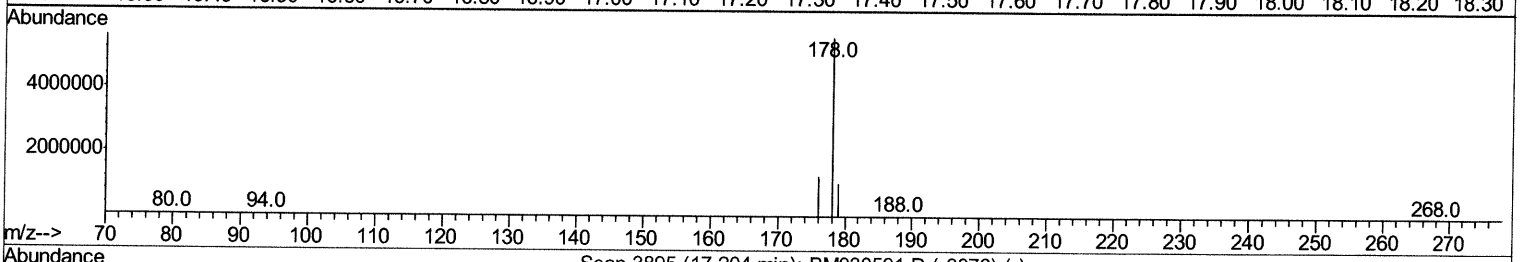
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030598.D
Acq On : 25 Jun 2021 12:55
Operator : CG/JU
Sample : M2662-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

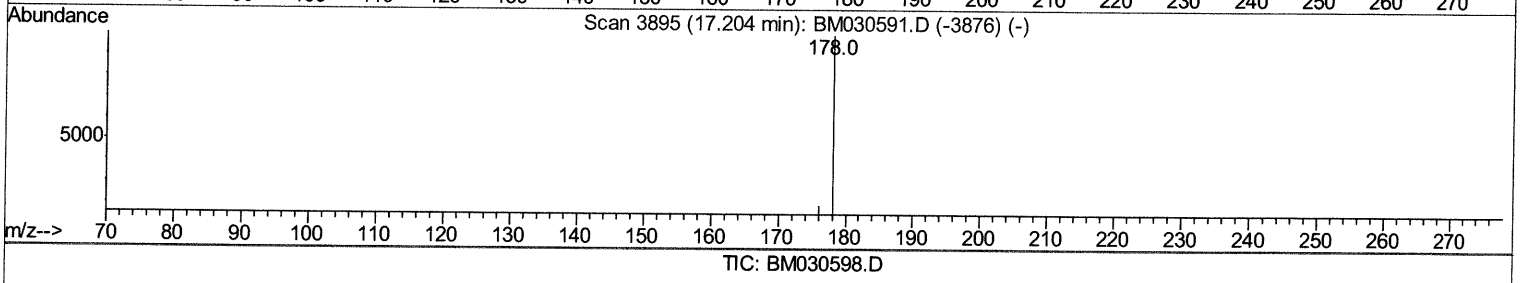
Quant Time: Jun 25 13:38:43 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 12:45:36 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGDF5

Manual Integrations APPROVED
mohammad
6/28/2021 1:11:14 PM







TIC: BM030598.D

(15) Phenanthrene

17.304min (+0.101) 116.70ng/ul

response 8340578

Ion	Exp%	Act%
178.00	100	100
179.00	15.80	18.25
176.00	19.40	22.95
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030598.D
Acq On : 25 Jun 2021 12:55
Operator : CG/JU
Sample : M2662-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 25 13:38:43 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 12:45:36 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGDF5

Manual Integrations APPROVED
mohammad
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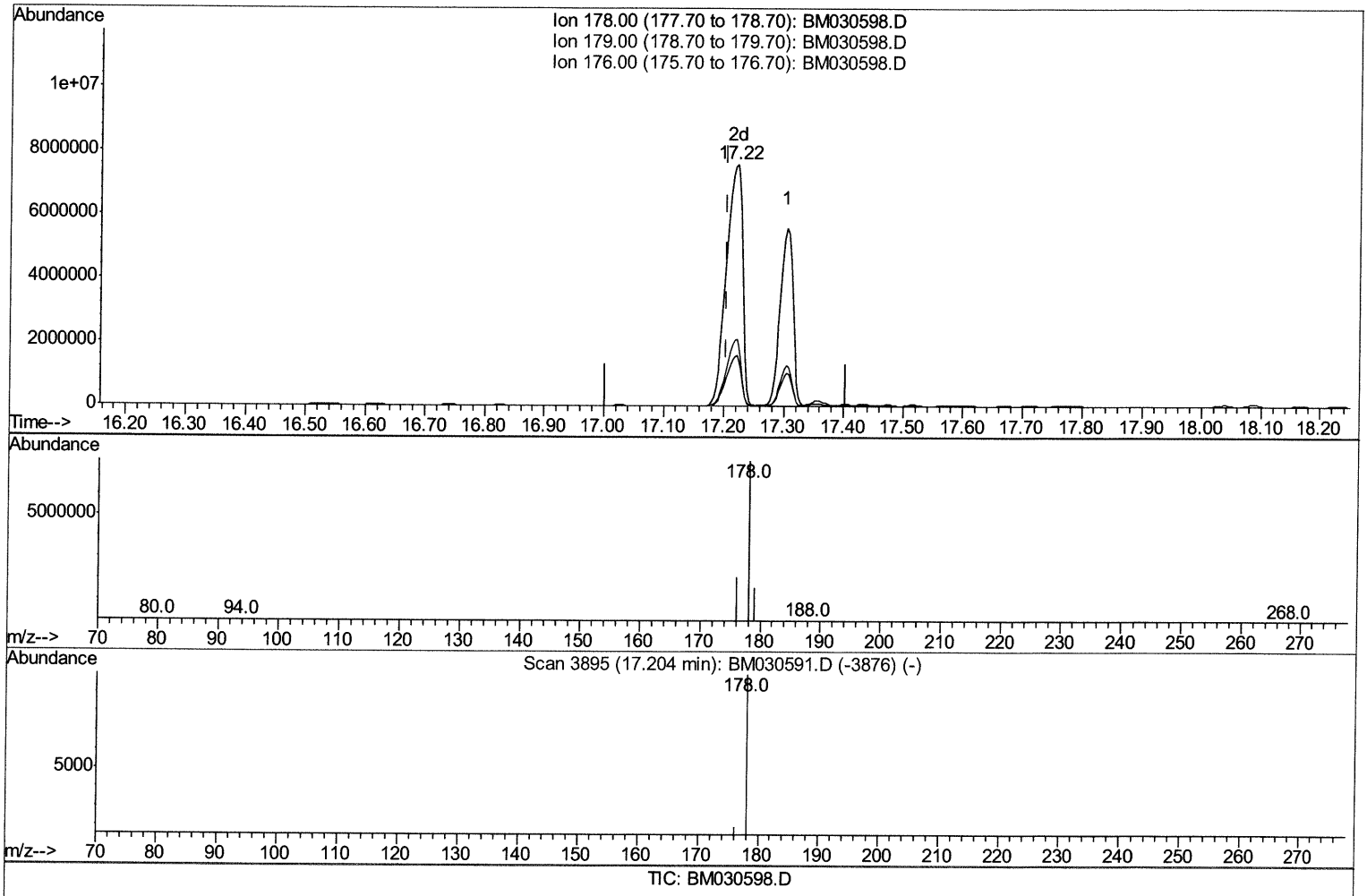


TIC: BM030598.D

(15) Phenanthrene

17.221min (+0.017) 202.93ng/ul m 06/28/21 JU

response 14502904

Ion	Exp%	Act%
178.00	100	100
179.00	15.80	20.70#
176.00	19.40	27.70#
0.00	0.00	0.00

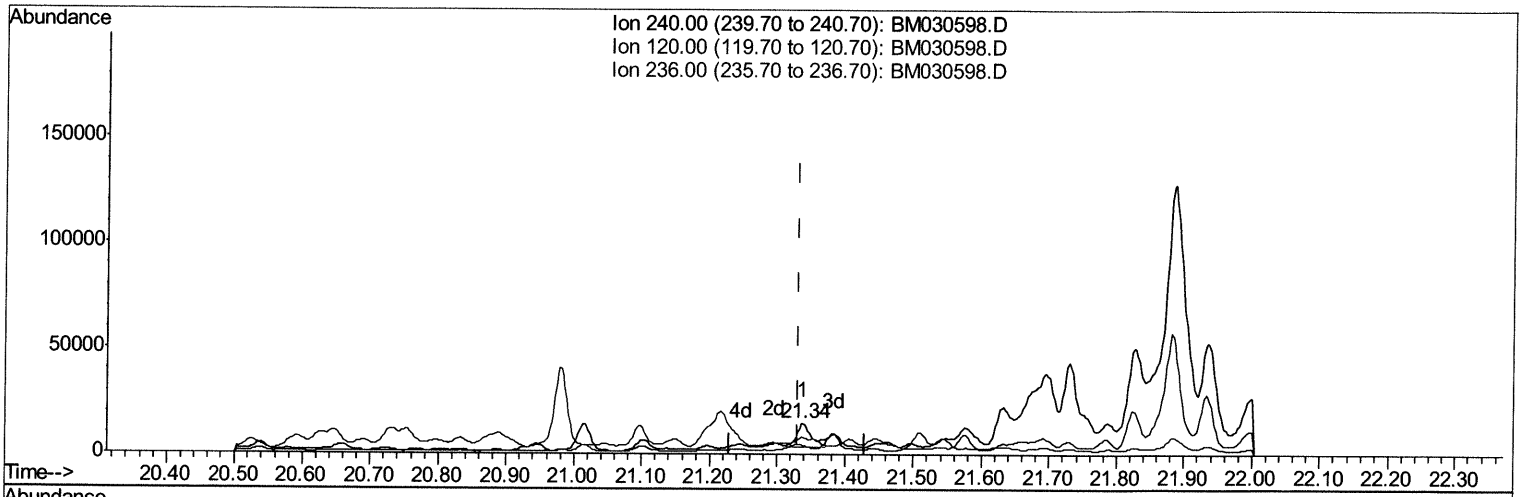
Quantitation Report (Qedit)

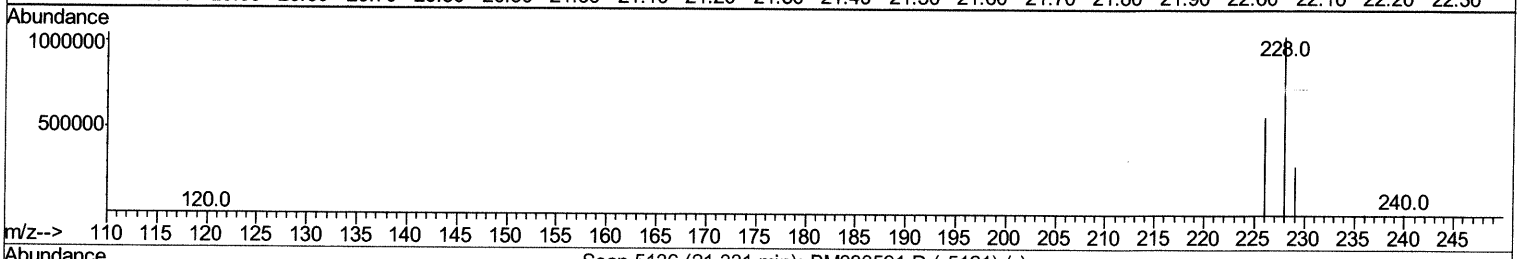
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030598.D
Acq On : 25 Jun 2021 12:55
Operator : CG/JU
Sample : M2662-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

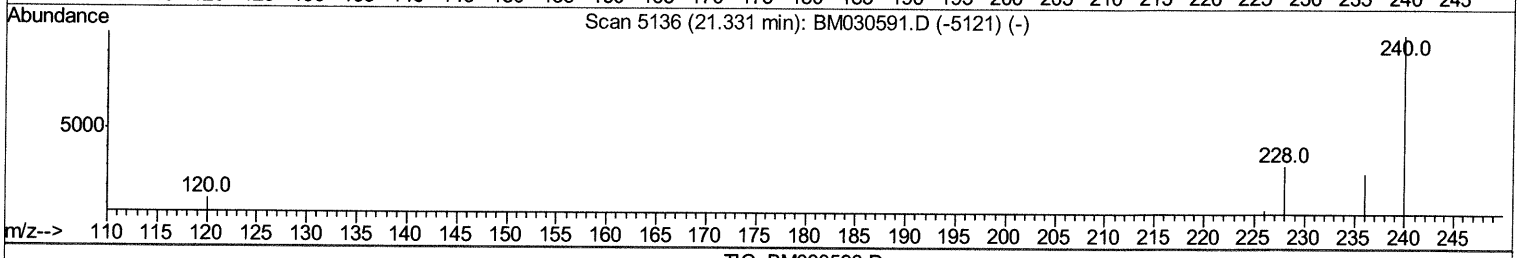
Quant Time: Jun 25 13:38:43 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 12:45:36 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGDF5

Manual Integrations APPROVED
mohammad
6/28/2021 1:11:14 PM







TIC: BM030598.D

(17) Chrysene-d12

21.338min (+0.007) 0.40ng/ul

response 18204

Ion	Exp%	Act%
240.00	100	100
120.00	15.70	28.91#
236.00	29.20	55.03#
0.00	0.00	0.00

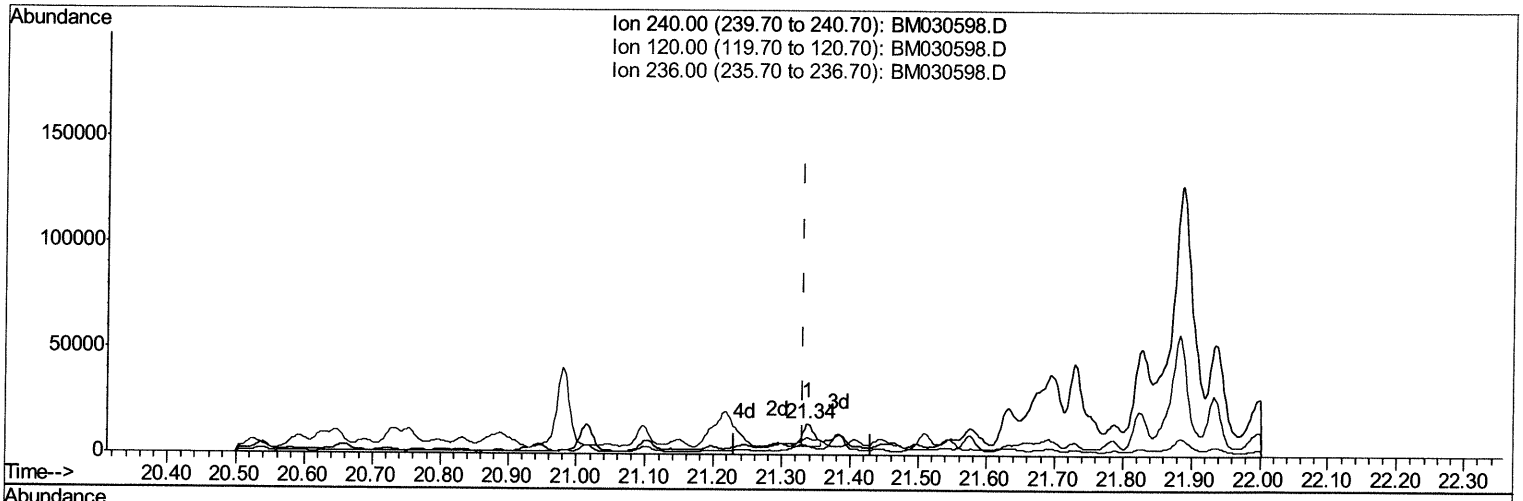
Quantitation Report (Qedit)

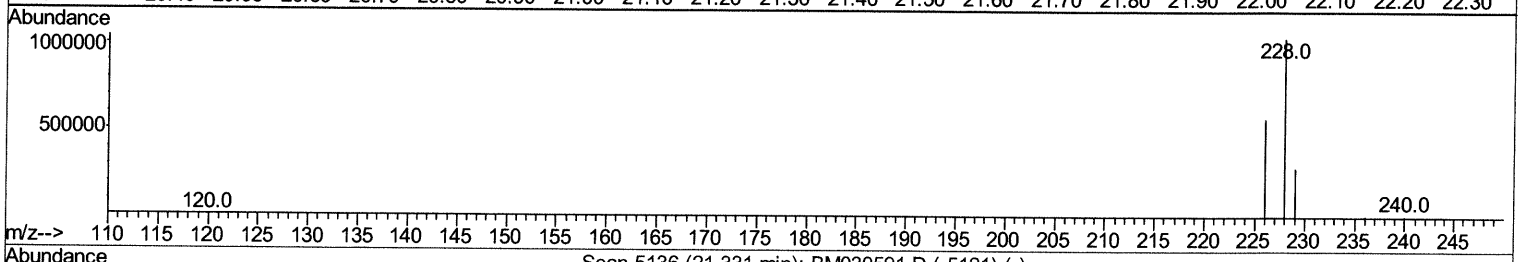
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030598.D
Acq On : 25 Jun 2021 12:55
Operator : CG/JU
Sample : M2662-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

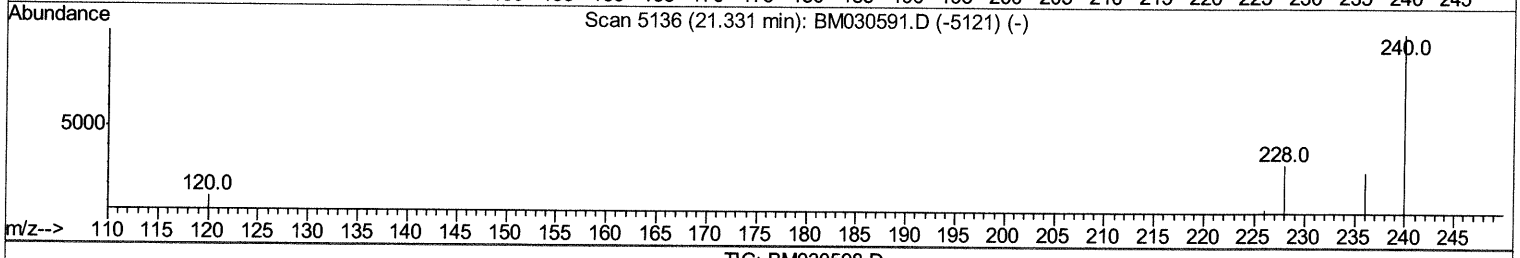
Quant Time: Jun 25 13:38:43 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 12:45:36 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGDF5

Manual Integrations APPROVED
mohammad
6/28/2021 1:11:14 PM







TIC: BM030598.D

(17) Chrysene-d12

21.338min (+0.007) 0.40ng/ul m 06/28/21 JU

response 13119

Ion	Exp%	Act%
240.00	100	100
120.00	15.70	28.91#
236.00	29.20	55.03#
0.00	0.00	0.00

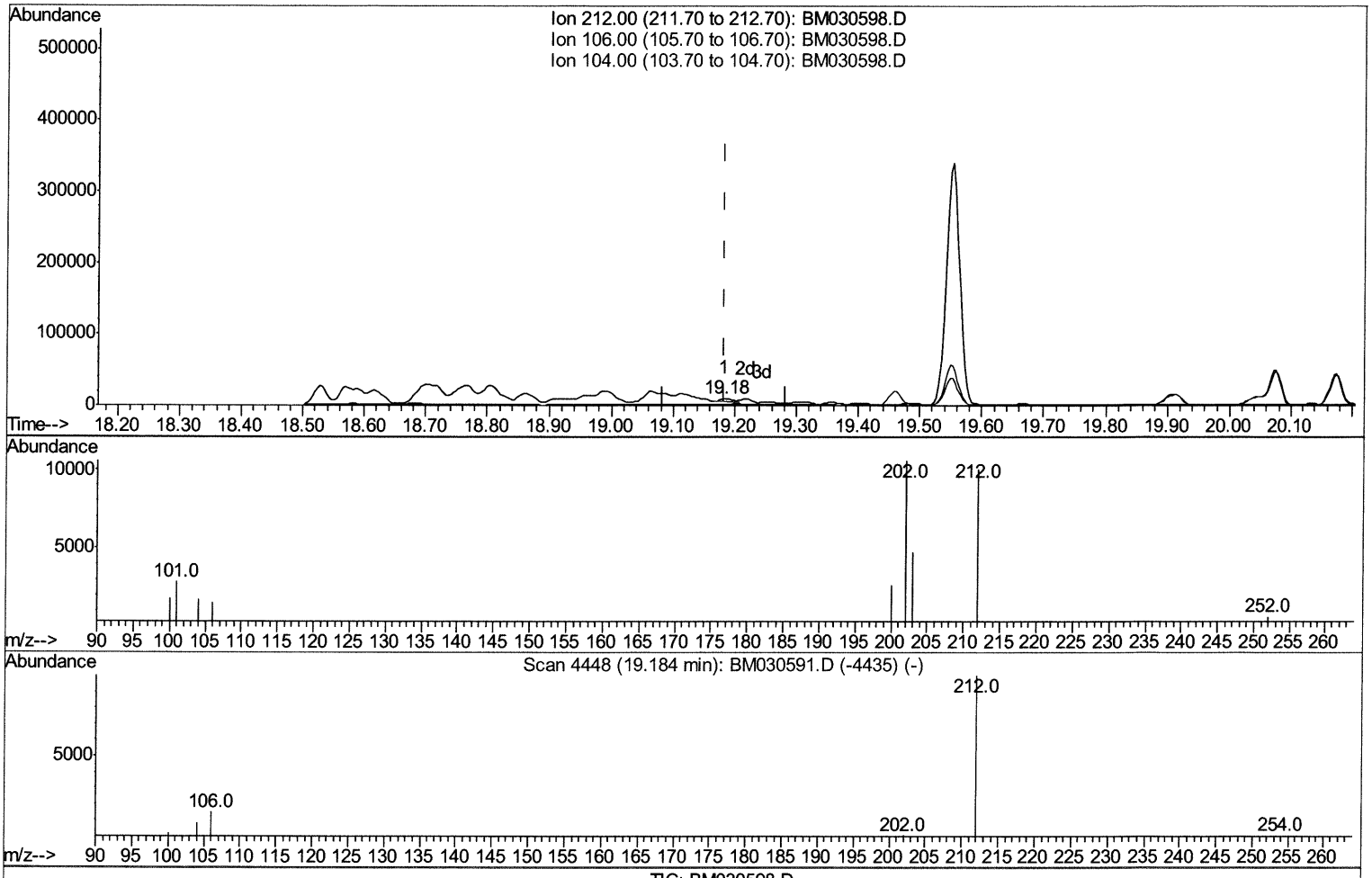
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030598.D
Acq On : 25 Jun 2021 12:55
Operator : CG/JU
Sample : M2662-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 25 13:40:05 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 12:45:36 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGDF5

Manual Integrations APPROVED
mohammad
6/28/2021 1:11:14 PM



TIC: BM030598.D

(18) Fluoranthene-d10 (SURR)

19.184min (-0.000) 0.14ng/ul

response 5590

Ion	Exp%	Act%
212.00	100	100
106.00	14.70	20.73#
104.00	8.60	0.00#
0.00	0.00	0.00

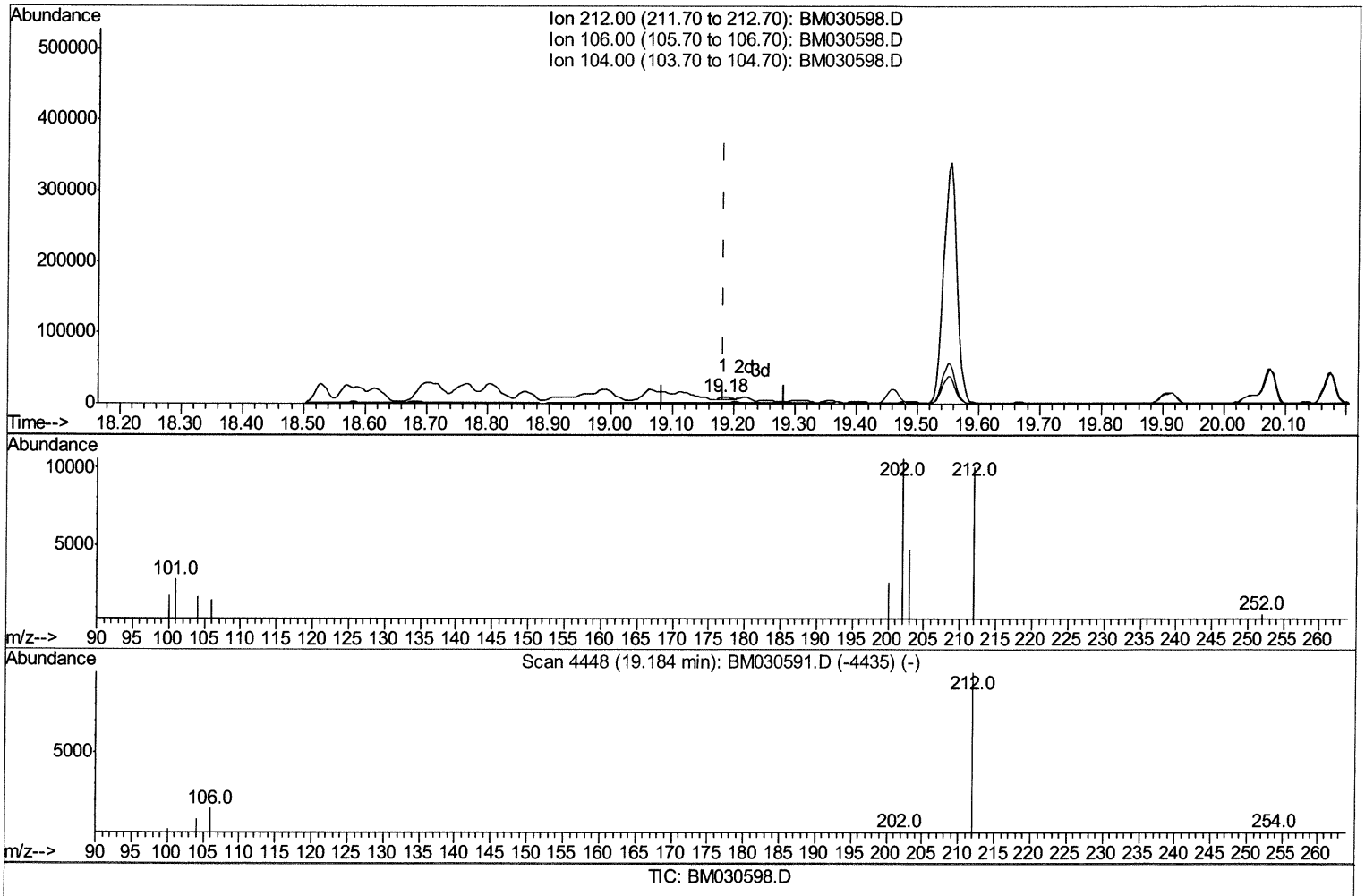
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030598.D
Acq On : 25 Jun 2021 12:55
Operator : CG/JU
Sample : M2662-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 25 13:40:05 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 12:45:36 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGDF5

Manual Integrations APPROVED
mohammad
6/28/2021 1:11:14 PM



TIC: BM030598.D

(18) Fluoranthene-d10 (SURR)

19.184min (-0.000) 0.16ng/ul m 06/28/21 JU

response 6632

Ion	Exp%	Act%
212.00	100	100
106.00	14.70	17.48
104.00	8.60	0.00#
0.00	0.00	0.00

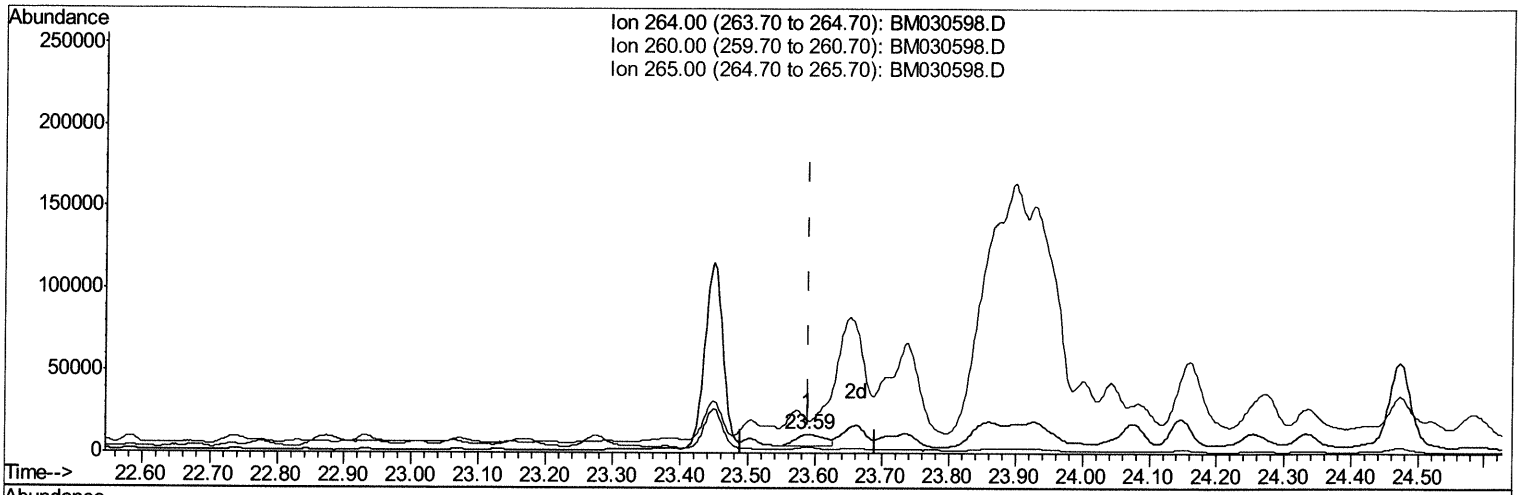
Quantitation Report (Qedit)

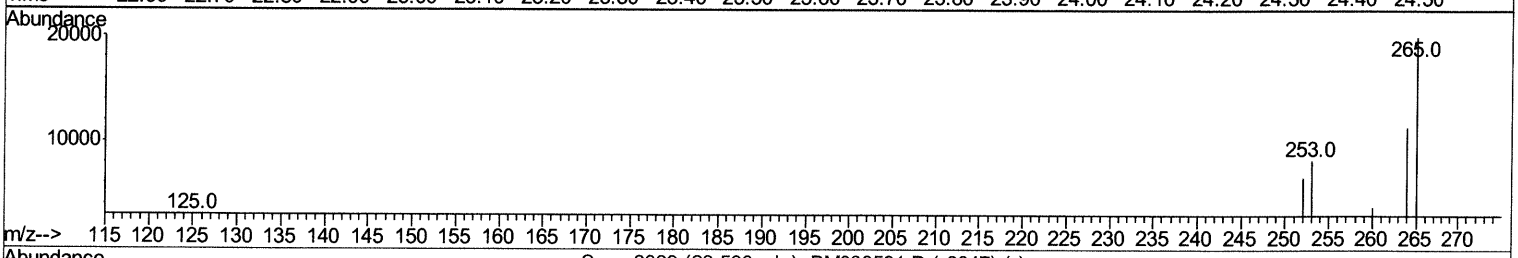
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030598.D
Acq On : 25 Jun 2021 12:55
Operator : CG/JU
Sample : M2662-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

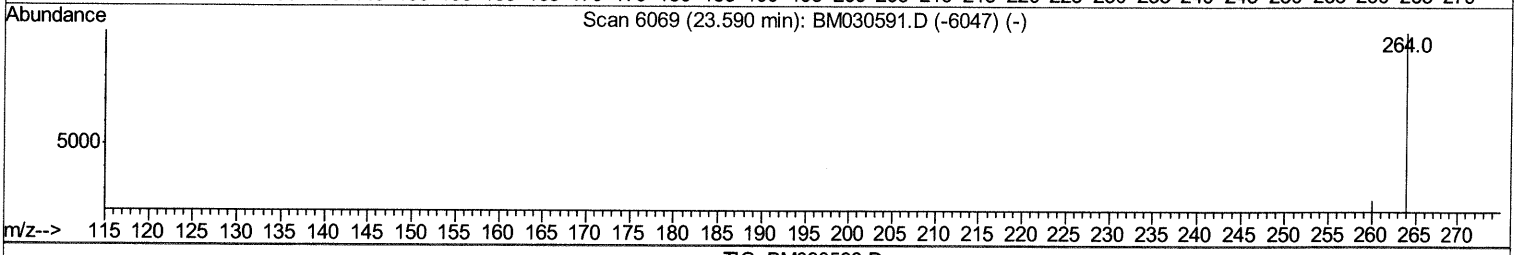
Quant Time: Jun 25 13:40:05 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 12:45:36 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGDF5

Manual Integrations APPROVED
mohammad
6/28/2021 1:11:14 PM







TIC: BM030598.D

(23) Perylene-d12 (I)

23.588min (-0.002) 0.40ng/ul

response 21214

Ion	Exp%	Act%
264.00	100	100
260.00	26.10	33.58#
265.00	65.90	175.50#
0.00	0.00	0.00

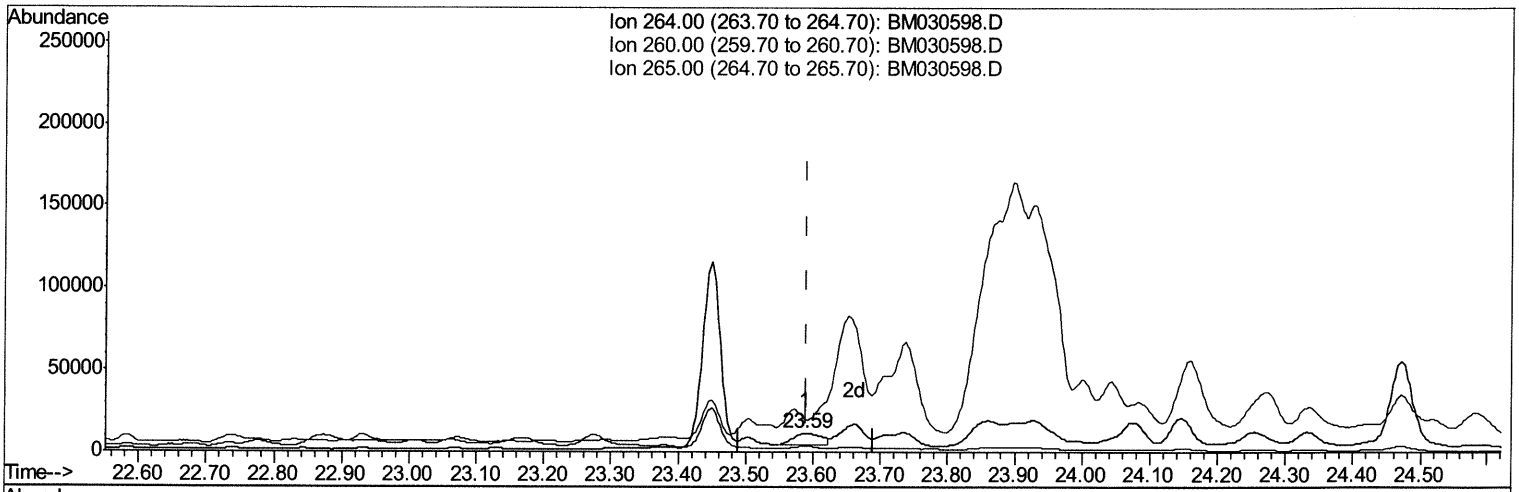
Quantitation Report (Qedit)

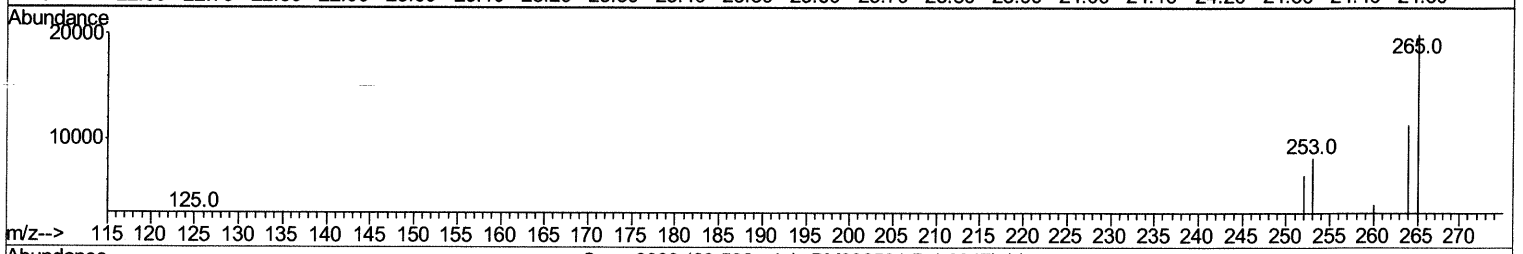
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030598.D
Acq On : 25 Jun 2021 12:55
Operator : CG/JU
Sample : M2662-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

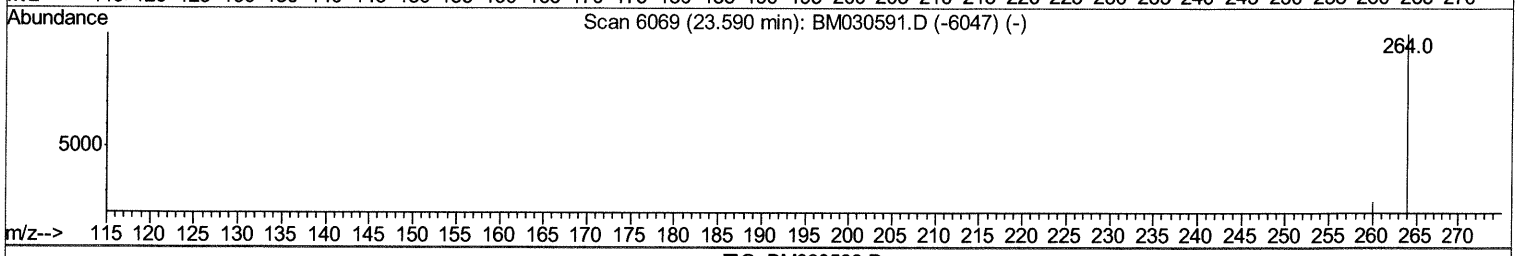
Quant Time: Jun 25 13:40:05 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 12:45:36 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGDF5

Manual Integrations APPROVED
mohammad
6/28/2021 1:11:14 PM







TIC: BM030598.D

(23) Perylene-d12 (I)

23.588min (-0.002) 0.40ng/ul m 06/28/21 JU

response 19839

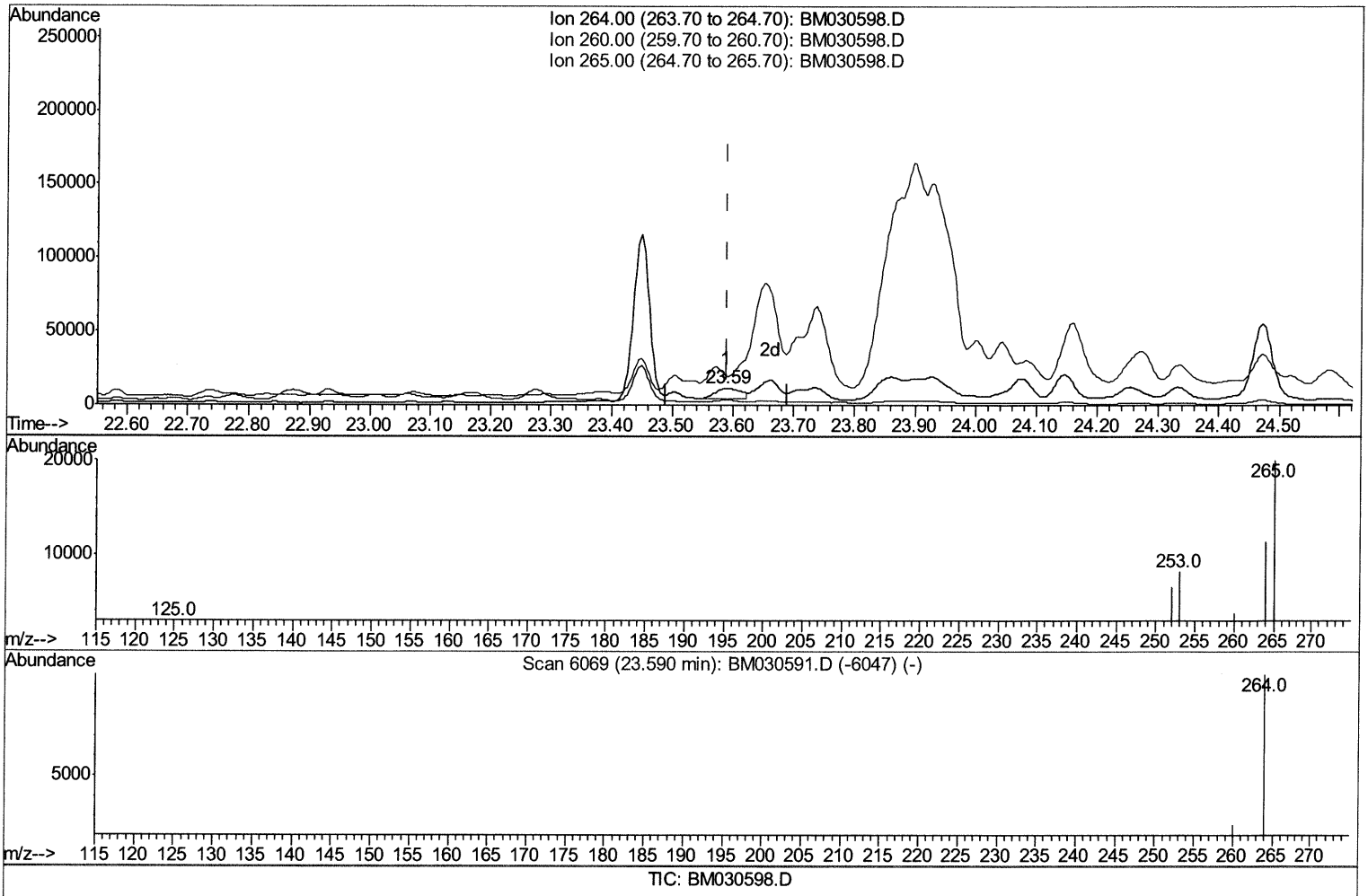
Ion	Exp%	Act%
264.00	100	100
260.00	26.10	33.58#
265.00	65.90	175.50#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030598.D
Acq On : 25 Jun 2021 12:55
Operator : CG/JU
Sample : M2662-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 25 13:41:57 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 12:45:36 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BGDF5

Manual Integrations APPROVED
mohammad
6/28/2021 1:11:14 PM



(23) Perylene-d12 (I)

23.588min (-0.002) 0.40ng/ul m 06/28/21 JU

response 19839

Ion	Exp%	Act%
264.00	100	100
260.00	26.10	33.58#
265.00	65.90	175.50#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
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Misc :
ALS Vial : 9 Sample Multiplier: 1

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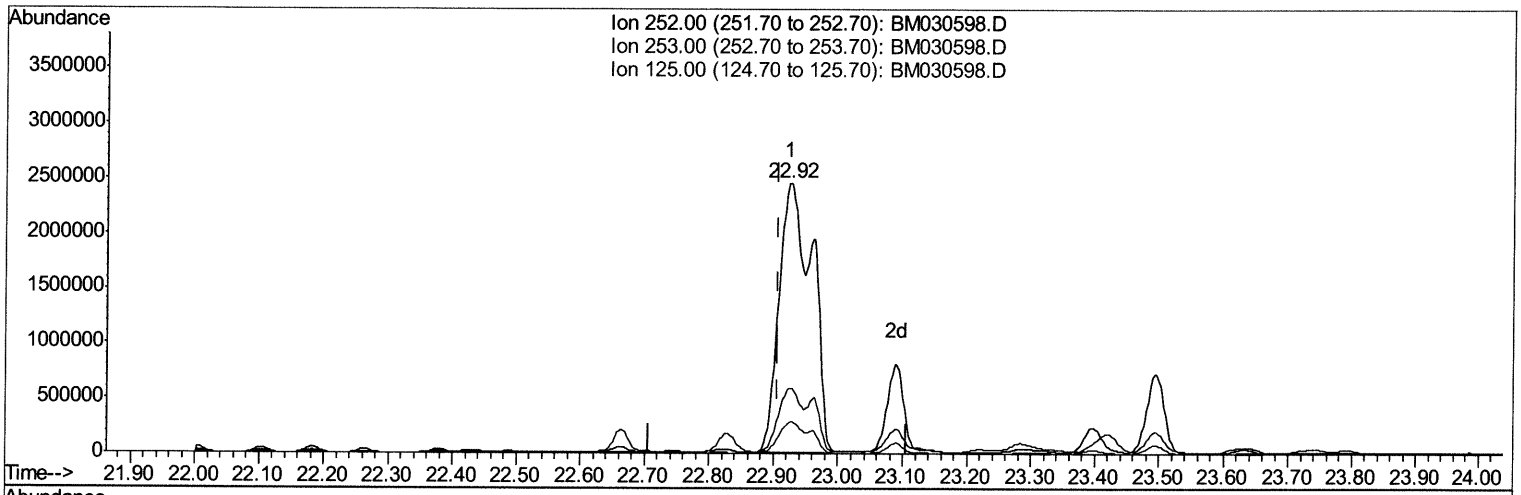
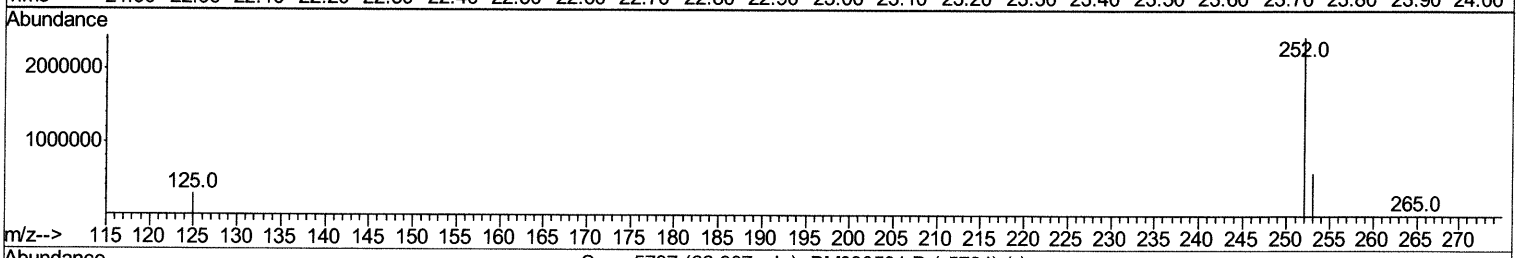
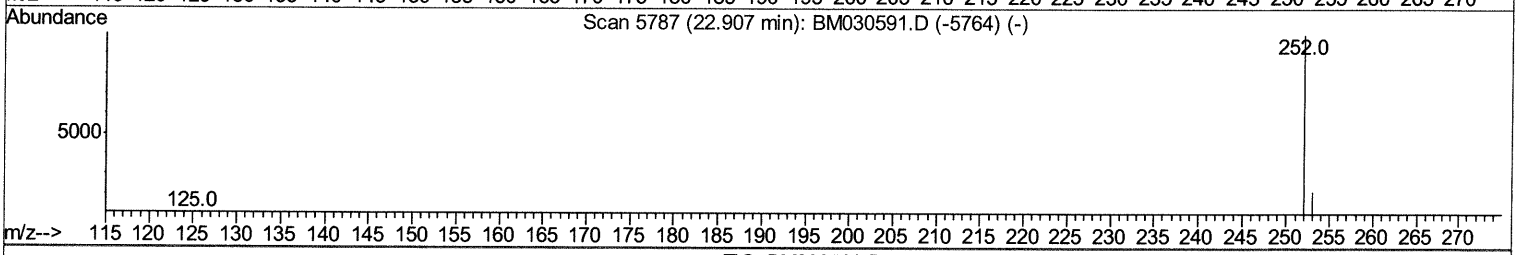
Manual Integrations APPROVED
mohammad
6/28/2021 1:11:14 PM







TIC: BM030598.D

(24) Benzo(b)fluoranthene

22.924min (+0.017) 100.83ng/ul

response 8701687

Ion	Exp%	Act%
252.00	100	100
253.00	25.10	24.14
125.00	13.90	11.54
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030598.D
Acq On : 25 Jun 2021 12:55
Operator : CG/JU
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 25 13:41:57 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
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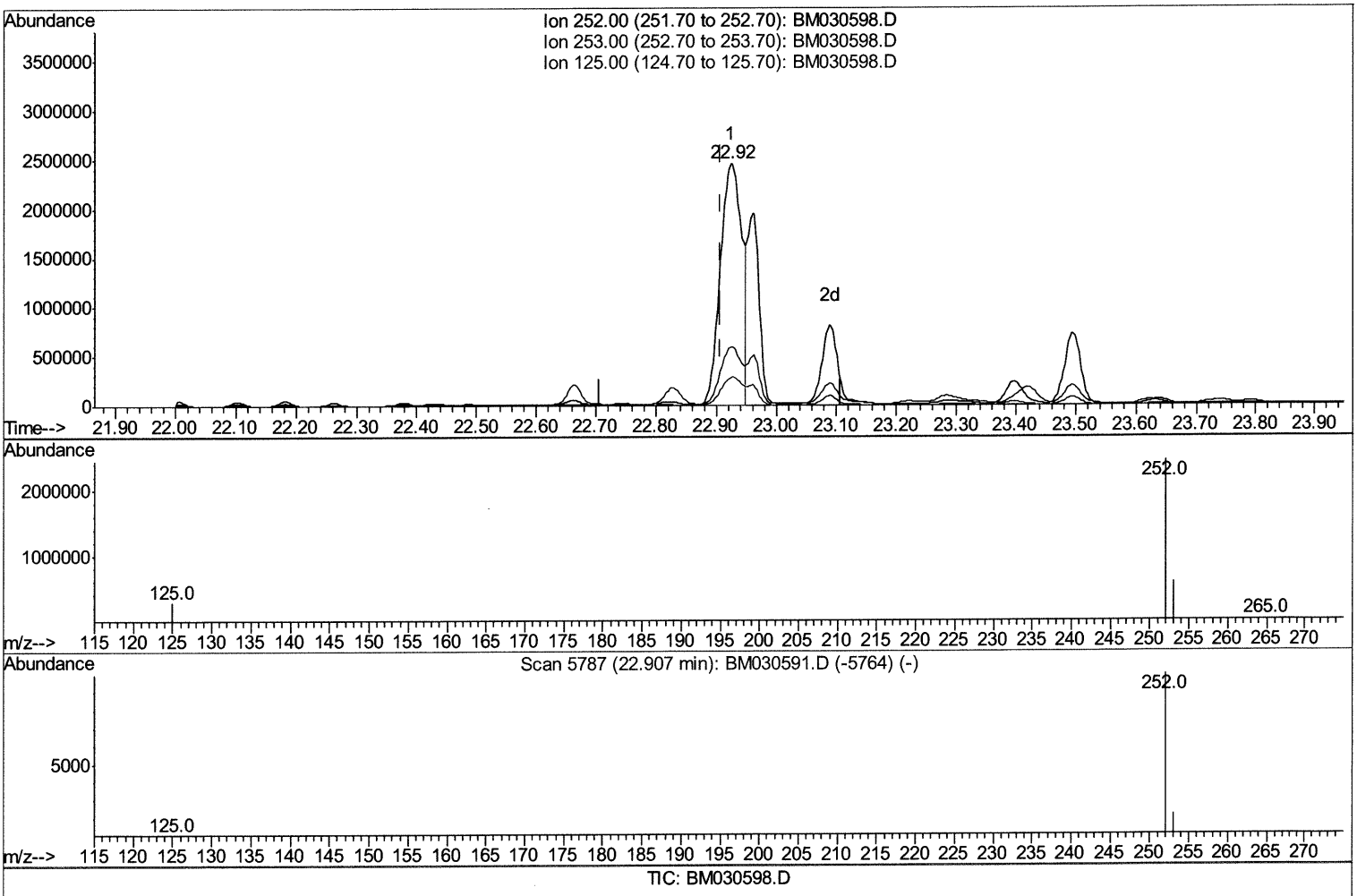
Manual Integrations APPROVED
mohammad
6/28/2021 1:11:14 PM



TIC: BM030598.D

(24) Benzo(b)fluoranthene

22.924min (+0.017) 70.11ng/ul m 06/28/21 JU

response 6050452

Ion	Exp%	Act%
252.00	100	100
253.00	25.10	24.14
125.00	13.90	11.54
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030598.D
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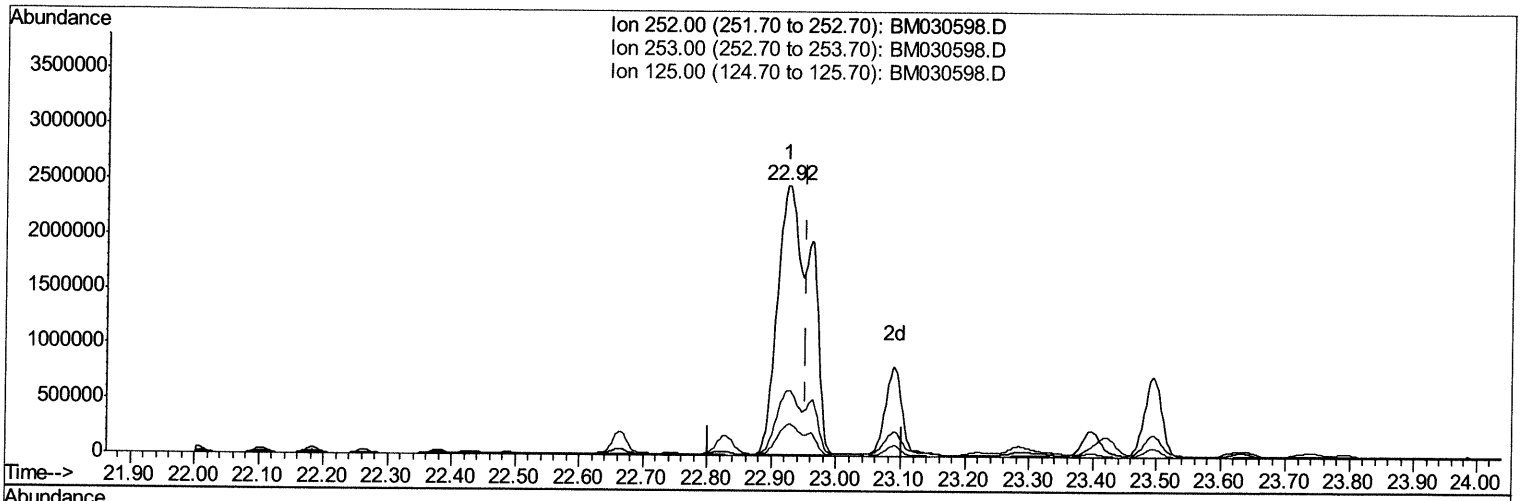
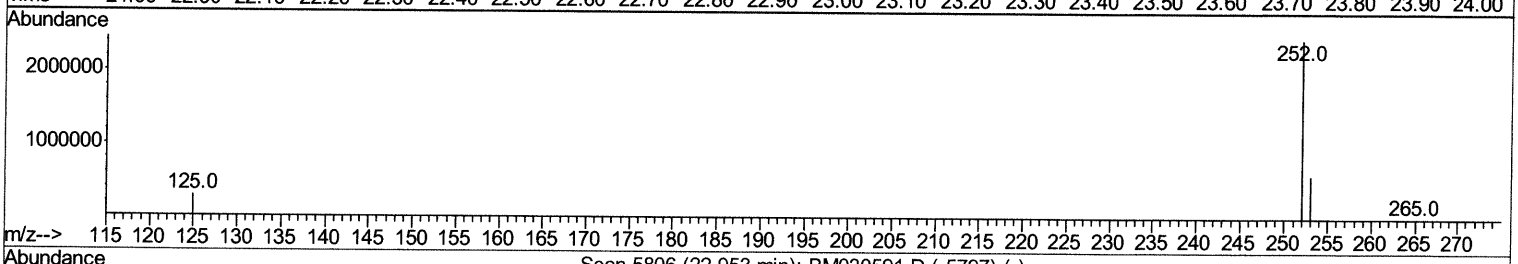
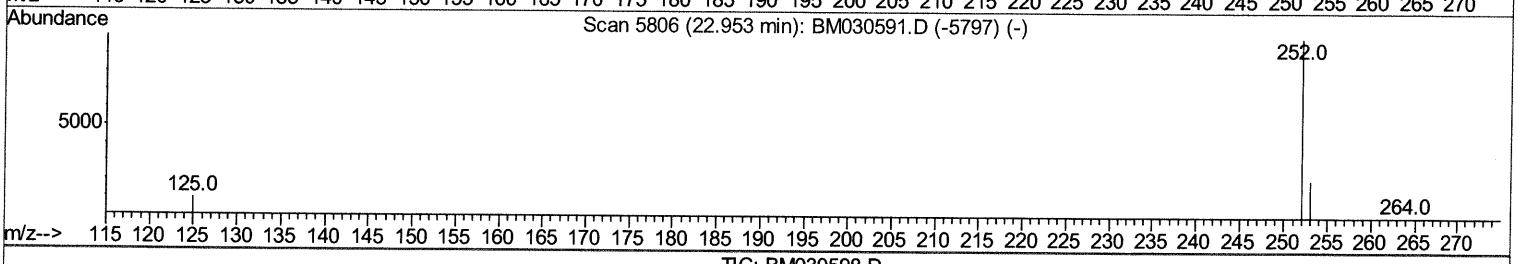
Manual Integrations APPROVED
mohammad
6/28/2021 1:11:14 PM







TIC: BM030598.D

(25) Benzo(k)fluoranthene

22.924min (-0.029) 96.14ng/ul

response 8701687

Ion	Exp%	Act%
252.00	100	100
253.00	25.80	24.14
125.00	13.70	11.54
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030598.D
Acq On : 25 Jun 2021 12:55
Operator : CG/JU
Sample : M2662-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 25 13:41:57 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 12:45:36 2021
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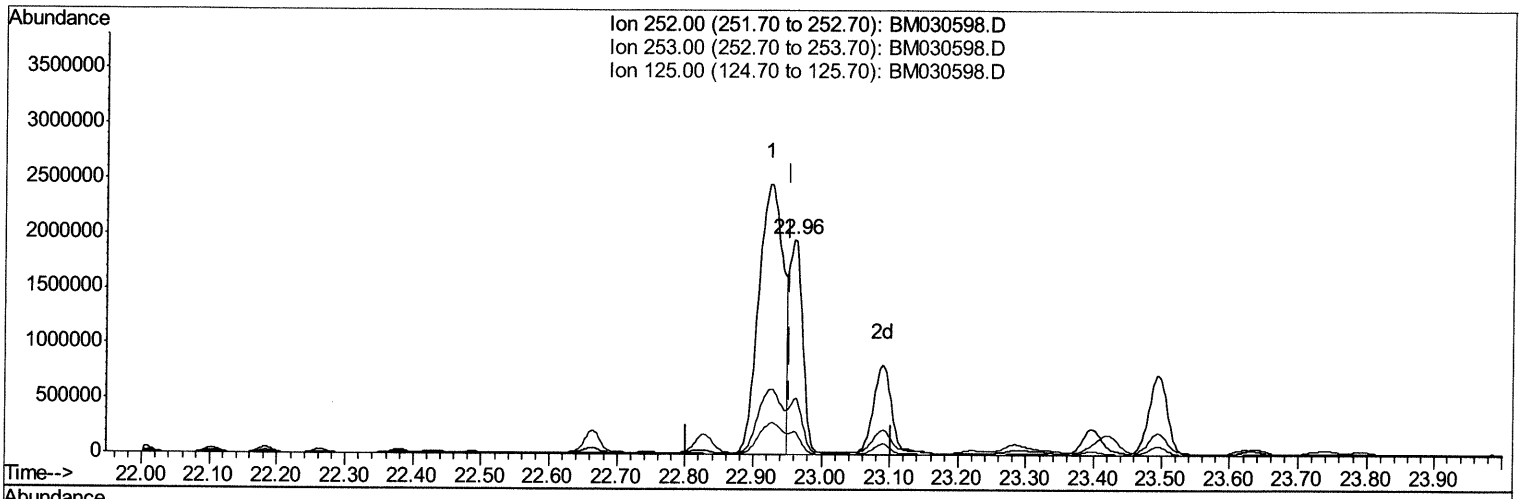
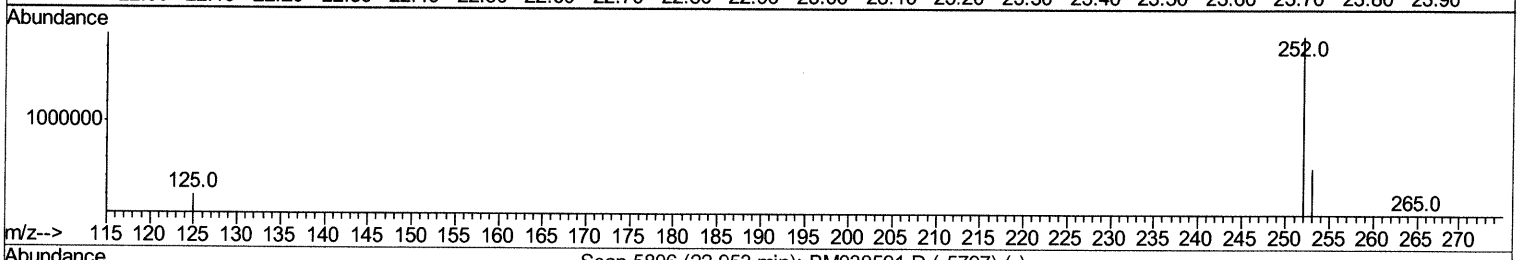
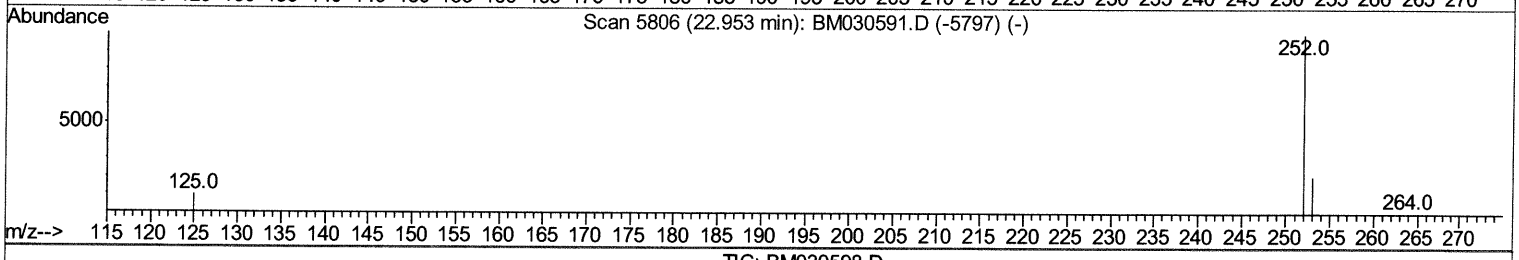
Instrument :
BNA_M
ClientSampleId :
BGDF5

Manual Integrations APPROVED
mohammad
6/28/2021 1:11:14 PM







TIC: BM030598.D

(25) Benzo(k)fluoranthene

22.960min (+0.007) 29.98ng/ul m 06/28/21 JU

response 2713413

Ion	Exp%	Act%
252.00	100	100
253.00	25.80	25.85
125.00	13.70	10.62#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030598.D
Acq On : 25 Jun 2021 12:55
Operator : CG/JU
Sample : M2662-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BGDF5

Manual Integrations APPROVED
mohammad
6/28/2021 1:11:14 PM

Quant Time: Jun 25 13:43:11 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 12:45:36 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	4166	0.40	ng/ul	0.00
4) Naphthalene-d8	10.58	136	16968	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.42	164	13206	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.17	188	20072	0.40	ng/ul	0.00
17) Chrysene-d12	21.34	240	13119m	0.40	ng/ul	0.00
23) Perylene-d12	23.59	264	19839m	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.28	96	14842	3.33	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.17	152	6486	0.24	ng/ul	0.00
18) Fluoranthene-d10	19.18	212	6632m	0.16	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.63	128	340423	6.744	ng/ul	99
7) 2-Methylnaphthalene	12.24	142	60317	1.771	ng/ul	99
8) 1-Methylnaphthalene	12.47	142	36739	1.110	ng/ul	100
10) Acenaphthylene	14.14	152	816048	13.204	ng/ul	99
11) Acenaphthene	14.49	153	476394	9.462	ng/ul	99
12) Fluorene	15.47	166	1416816	25.411	ng/ul	99
15) Phenanthrene	17.22	178	14502904m	202.927	ng/ul	
16) Anthracene	17.30	178	8341239	133.221	ng/ul#	93
19) Fluoranthene	19.23	202	16549429	274.398	ng/ul#	85
20) Pyrene	19.59	202	8797022	142.375	ng/ul#	93
21) Benzo(a)anthracene	21.32	228	7307251	140.218	ng/ul#	84
22) Chrysene	21.38	228	5687452	98.307	ng/ul#	90
24) Benzo(b)fluoranthene	22.92	252	6050452m	70.111	ng/ul	
25) Benzo(k)fluoranthene	22.96	252	2713413m	29.978	ng/ul	
26) Benzo(a)pyrene	23.50	252	1379785	18.017	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	25.88	276	1275313	13.096	ng/ul#	98
28) Dibenzo(a,h)anthracene	25.89	278	808101	10.404	ng/ul	96
29) Benzo(g,h,i)perylene	26.58	276	21277	0.253	ng/ul#	64

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