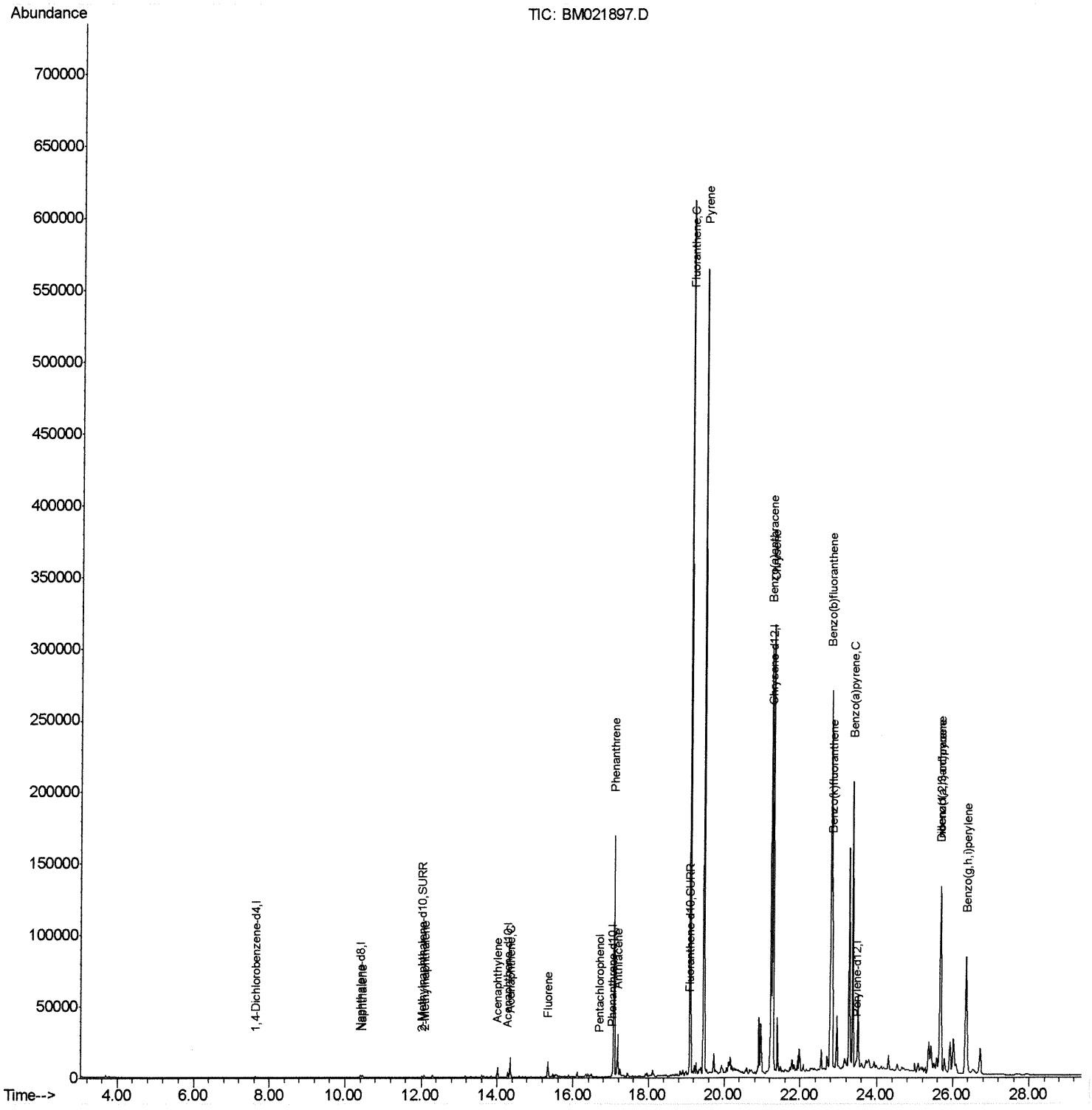
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080719\
Data File : BM021897.D
Acq On : 07 Aug 2019 15:50
Operator : HP/JU
Sample : K3893-07MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 07 16:44:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 08:28:11 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BEP11MSD

Manual Integrations APPROVED
mohammad
8/7/2019 11:52:39 PM



Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080719\
Data File : BM021897.D
Acq On : 07 Aug 2019 15:50
Operator : HP/JU
Sample : K3893-07MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 07 16:41:46 2019
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ClientSampleId :
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Manual Integrations APPROVED
mohammad
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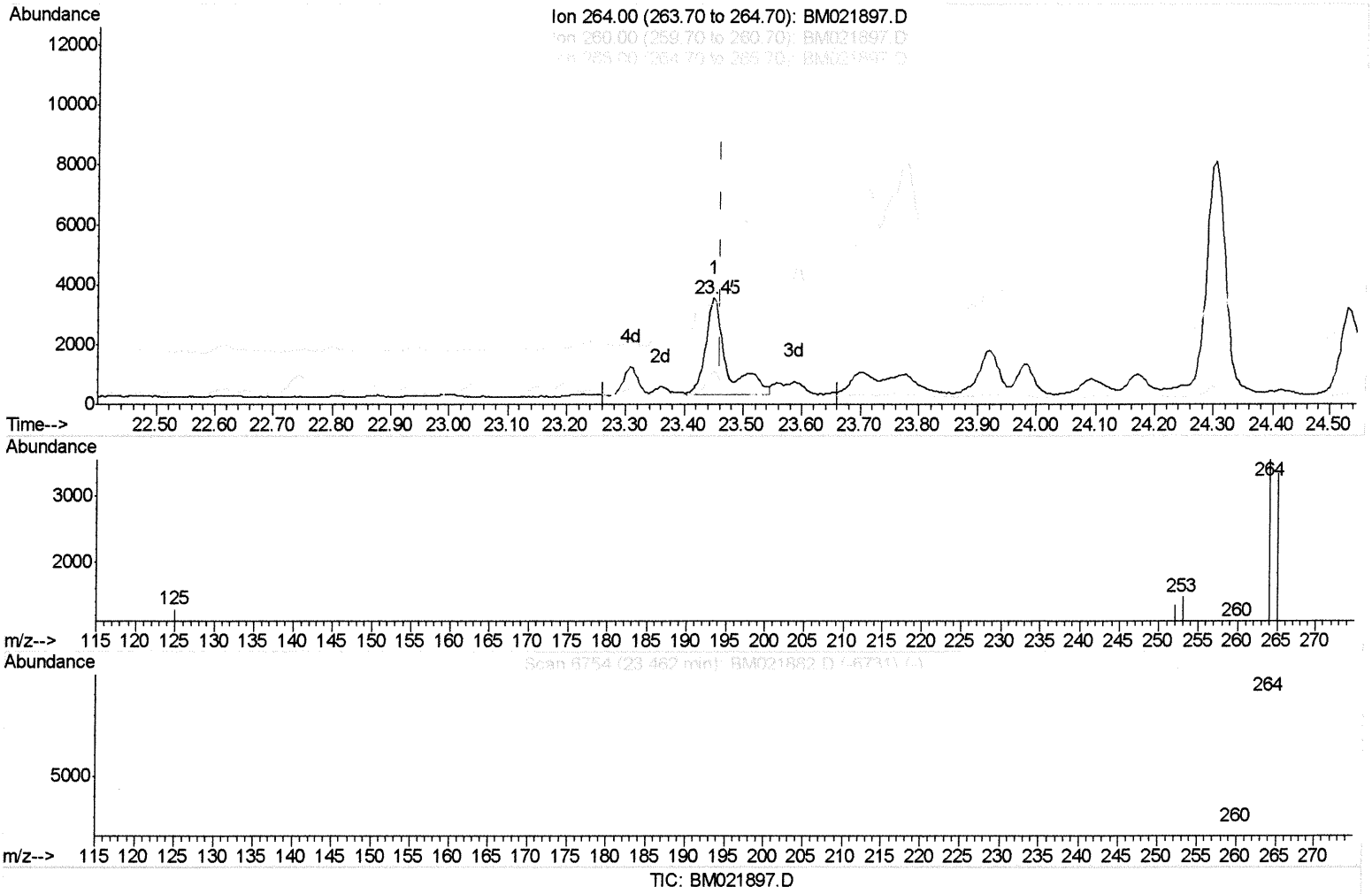

TIC: BM021897.D

(20) Perylene-d12 (I)

23.450min (-0.012) 0.40ng/ul

response 8281

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	31.67
265.00	117.00	93.73
0.00	0.00	0.00

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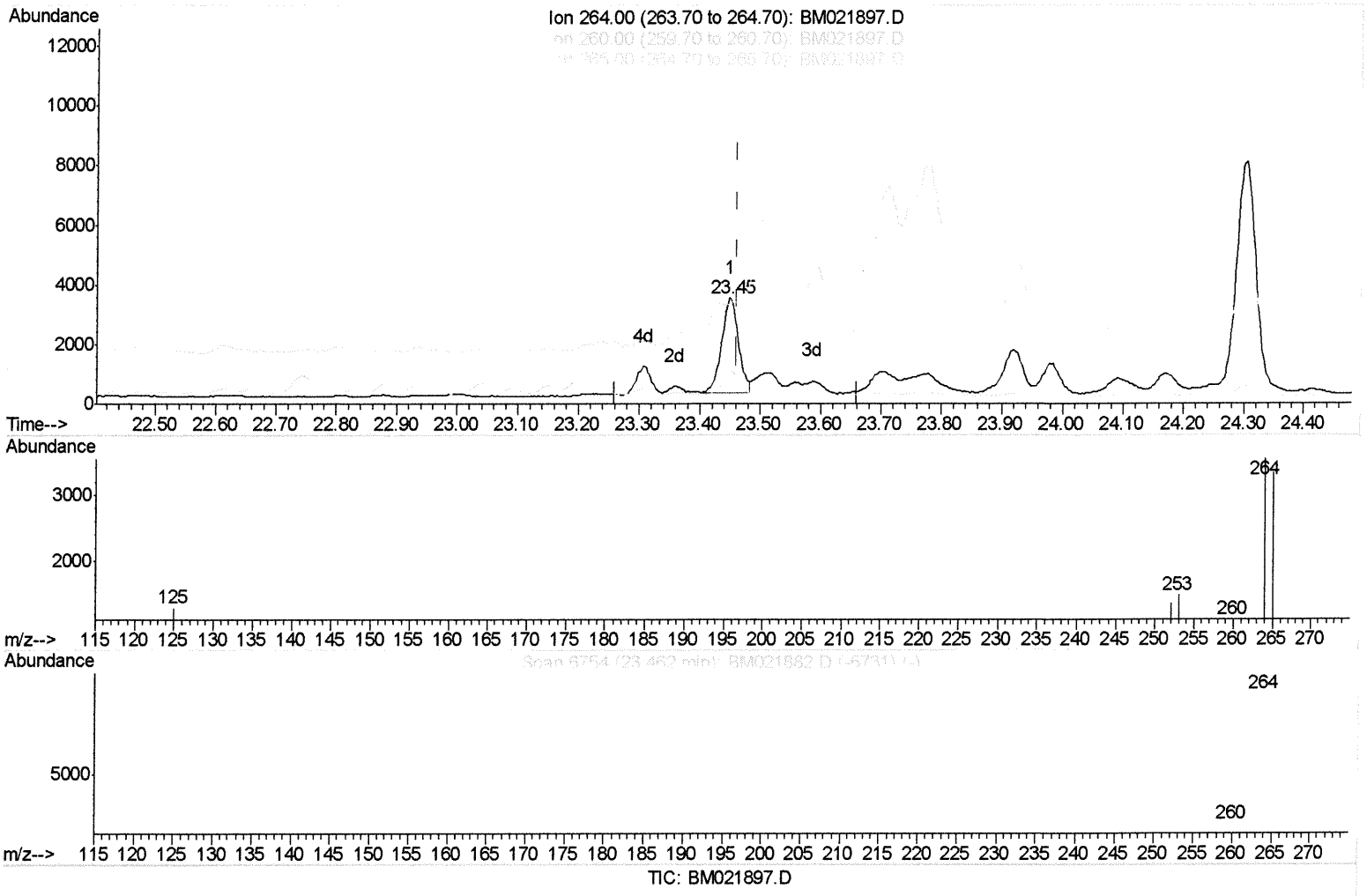
Manual Integrations APPROVED
mohammad
8/7/2019 11:52:39 PM



(20) Perylene-d12 (I)

23.450min (-0.012) 0.40ng/ul m JU 08/07/19

response 6140

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	31.67
265.00	117.00	93.73
0.00	0.00	0.00

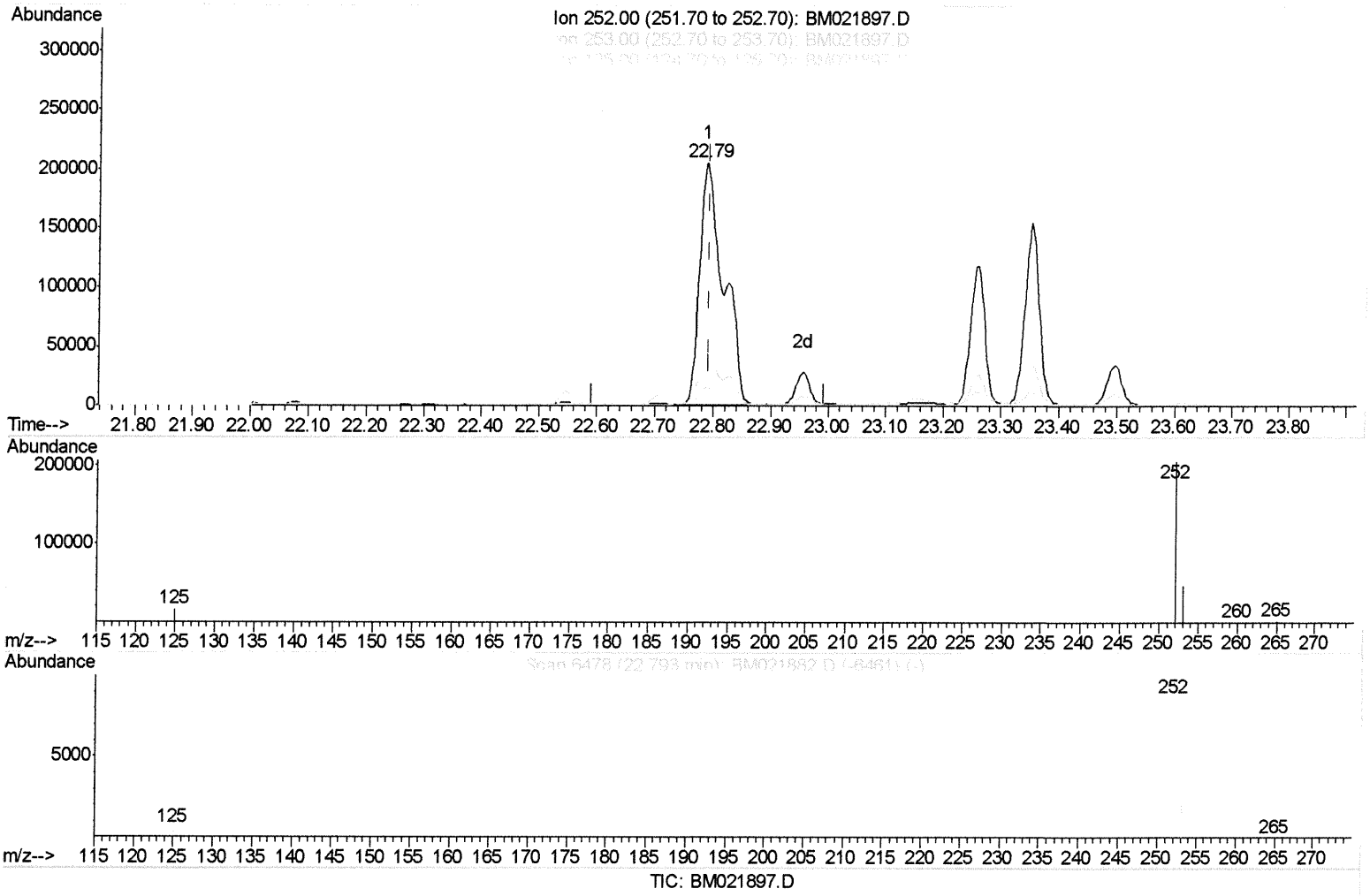
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080719\
Data File : BM021897.D
Acq On : 07 Aug 2019 15:50
Operator : HP/JU
Sample : K3893-07MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 07 16:42:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 08:28:11 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BEP11MSD

Manual Integrations APPROVED
mohammad
8/7/2019 11:52:39 PM



TIC: BM021897.D

(21) Benzo(b)fluoranthene

22.789min (-0.005) 28.09ng/ul

response 581598

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	22.87
125.00	15.50	7.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080719\
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ALS Vial : 8 Sample Multiplier: 1

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BNA_M
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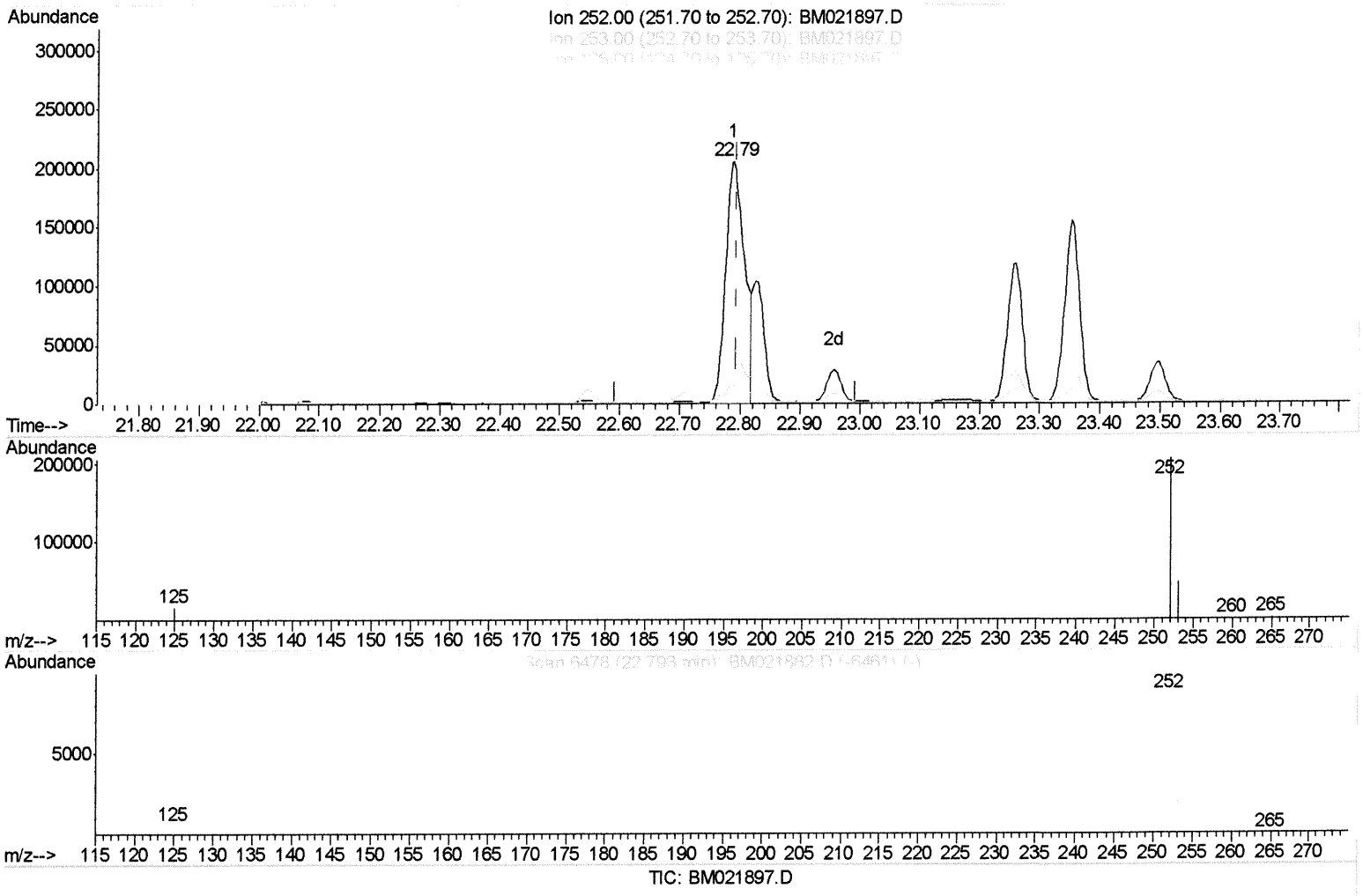
Manual Integrations APPROVED
mohammad
8/7/2019 11:52:39 PM



TIC: BM021897.D

(21) Benzo(b)fluoranthene

22.789min (-0.005) 21.61ng/ul m JU 08/07/19

response 447492

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	22.87
125.00	15.50	7.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080719\
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Operator : HP/JU
Sample : K3893-07MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 07 16:42:47 2019
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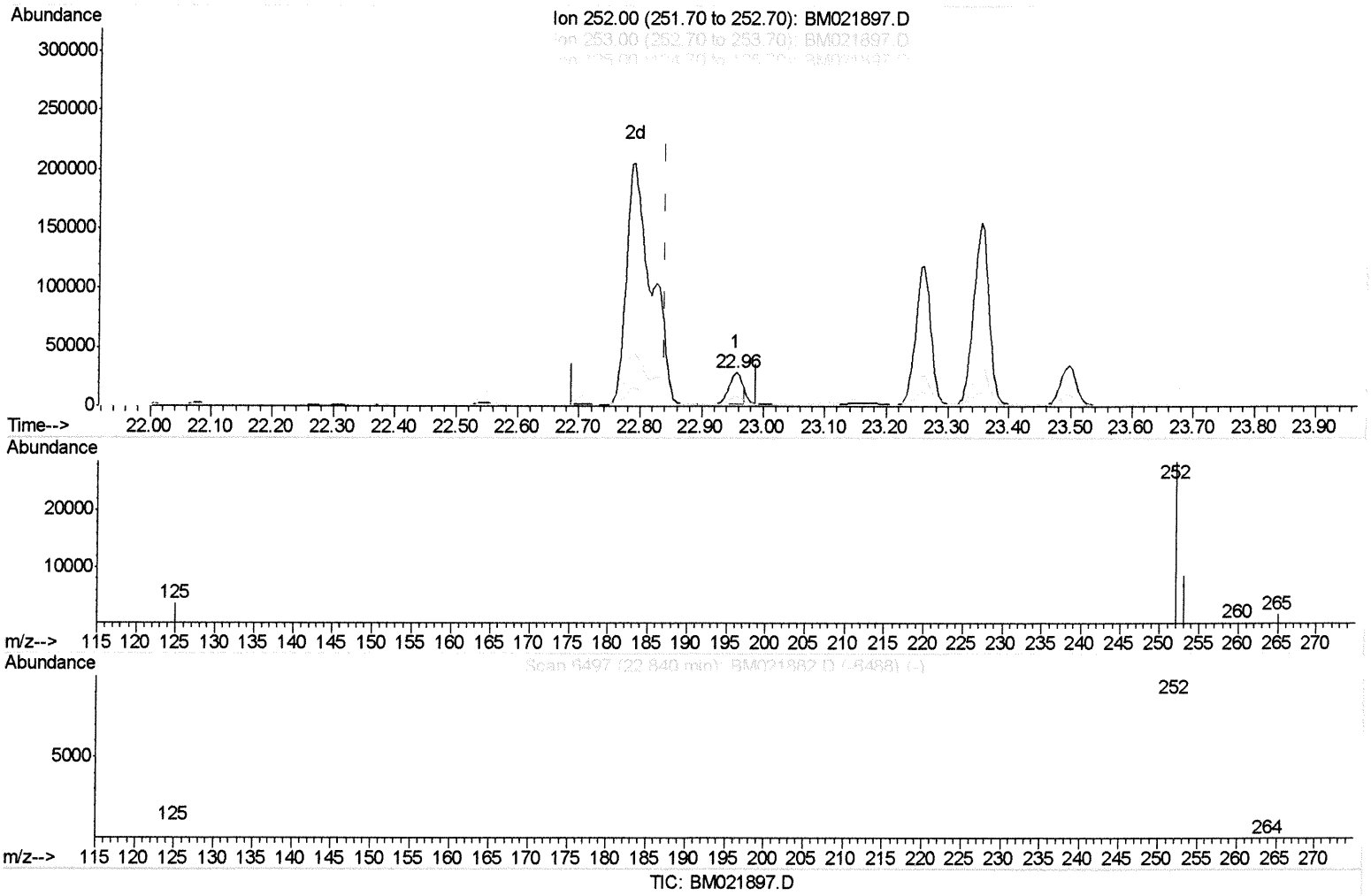
ClientSampleId :
BEP11MSD

Manual Integrations APPROVED
mohammad
8/7/2019 11:52:39 PM



TIC: BM021897.D

(22) Benzo(k)fluoranthene

22.956min (+0.116) 1.69ng/ul

response 39694

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	30.25
125.00	15.20	12.64
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080719\
Data File : BM021897.D
Acq On : 07 Aug 2019 15:50
Operator : HP/JU
Sample : K3893-07MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 07 16:42:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 08:28:11 2019
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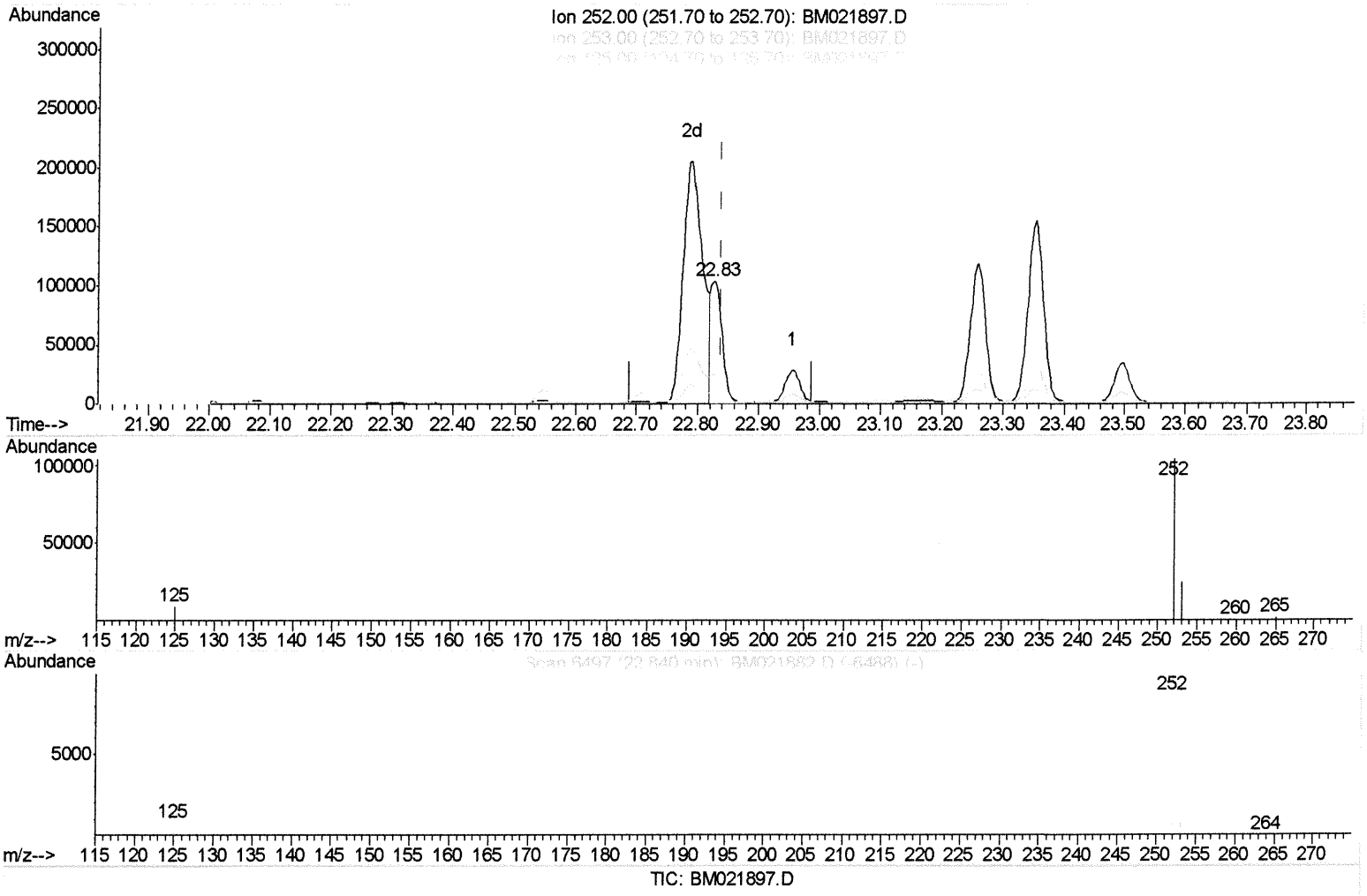
Instrument :
BNA_M
ClientSampleId :
BEP11MSD

Manual Integrations APPROVED
mohammad
8/7/2019 11:52:39 PM



(22) Benzo(k)fluoranthene

22.827min (-0.012) 6.04ng/ul m JU 08/07/19

response 141548

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	23.79#
125.00	15.20	8.72#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080719\
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Acq On : 07 Aug 2019 15:50
Operator : HP/JU
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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
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Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	754	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	3328	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.28	164	1965	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.03	188	4542	0.40	ng/ul	-0.02
16) Chrysene-d12	21.23	240	4666	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	6140m→	0.40	ng/ul>	-0.01 JU 08/07/19
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	1597	0.29	ng/ul	-0.02
14) Fluoranthene-d10	19.07	212	4164	0.27	ng/ul	-0.01
Target Compounds						Qvalue
3) Naphthalene	10.46	128	2771	0.295	ng/ul	99
5) 2-Methylnaphthalene	12.08	142	1532	0.245	ng/ul	97
7) Acenaphthylene	14.00	152	8990	0.981	ng/ul	96
8) Acenaphthene	14.34	153	8034	1.071	ng/ul	97
9) Fluorene	15.34	166	7040	0.845	ng/ul	98
11) Pentachlorophenol	16.69	266	149	0.178	ng/ul	94
12) Phenanthrene	17.08	178	169966	12.861	ng/ul	96
13) Anthracene	17.17	178	30327	2.690	ng/ul	95
15) Fluoranthene	19.10	202	529857	29.930	ng/ul	94
17) Pyrene	19.47	202	466415	24.325	ng/ul	96
18) Benzo(a)anthracene	21.22	228	247727	14.843	ng/ul	99
19) Chrysene	21.27	228	293763	13.686	ng/ul	99
21) Benzo(b)fluoranthene	22.79	252	447492m→	21.613	ng/ul>	2 JU 08/07/19
22) Benzo(k)fluoranthene	22.83	252	141548m→	6.041	ng/ul>	
23) Benzo(a)pyrene	23.35	252	268953	12.773	ng/ul#	75
24) Indeno(1,2,3-cd)pyrene	25.67	276	209315	8.326	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.67	278	51539	2.536	ng/ul	91
26) Benzo(g,h,i)perylene	26.35	276	174786	7.722	ng/ul	95

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