Instrument :
BNA_M
ClientSampleId :
A52F0MS

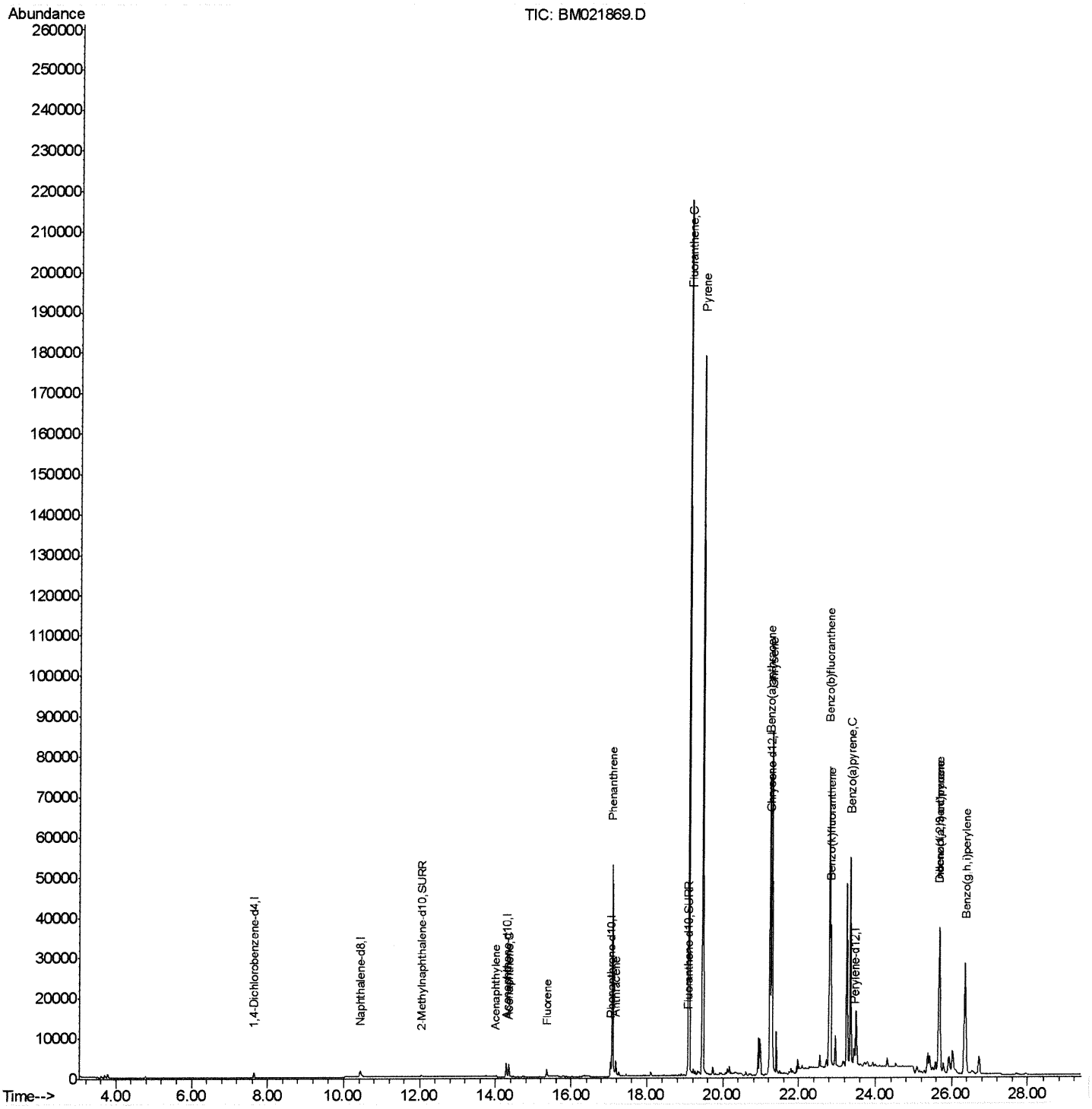
Manual Integrations APPROVED
mohammad
8/7/2019 12:12:14 PM

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080619\

Quantitation Report (QT Reviewed)

Data File : BM021869.D
Acq On : 06 Aug 2019 21:44
Operator : HP/JU
Sample : K3922-02MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 07 04:18:45 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 04:02:33 2019
Response via : Initial Calibration



Instrument :
BNA_M
ClientSampleId :
A52F0MS

Manual Integrations APPROVED
mohammad
8/7/2019 12:12:14 PM

```
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080619\
                                  Quantitation Report (Qedit)
Data File : BM021869.D
Acq On    : 06 Aug 2019  21:44
Operator  : HP/JU
Sample    : K3922-02MS
Misc      :
ALS Vial  : 9   Sample Multiplier: 1

Quant Time: Aug 07 04:05:39 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 04:02:33 2019
Response via : Initial Calibration
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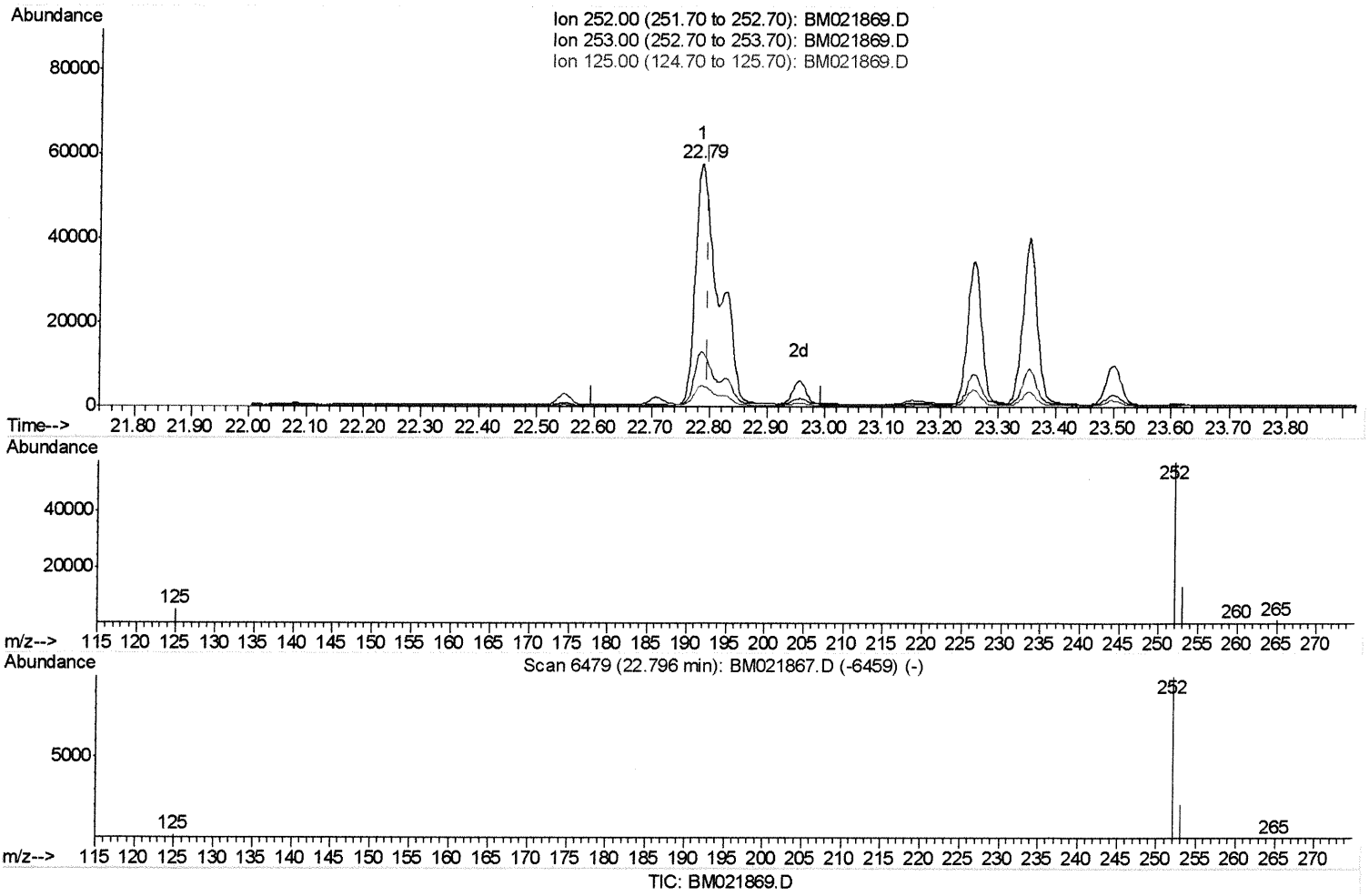

(21) Benzo(b)fluoranthene

22.786min (-0.010) 8.11ng/ul

response 161370

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	22.83
125.00	15.50	8.67
0.00	0.00	0.00

Instrument :
BNA_M
ClientSampleId :
A52F0MS

Manual Integrations APPROVED
mohammad
8/7/2019 12:12:14 PM

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Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080619\
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Operator  : HP/JU
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```
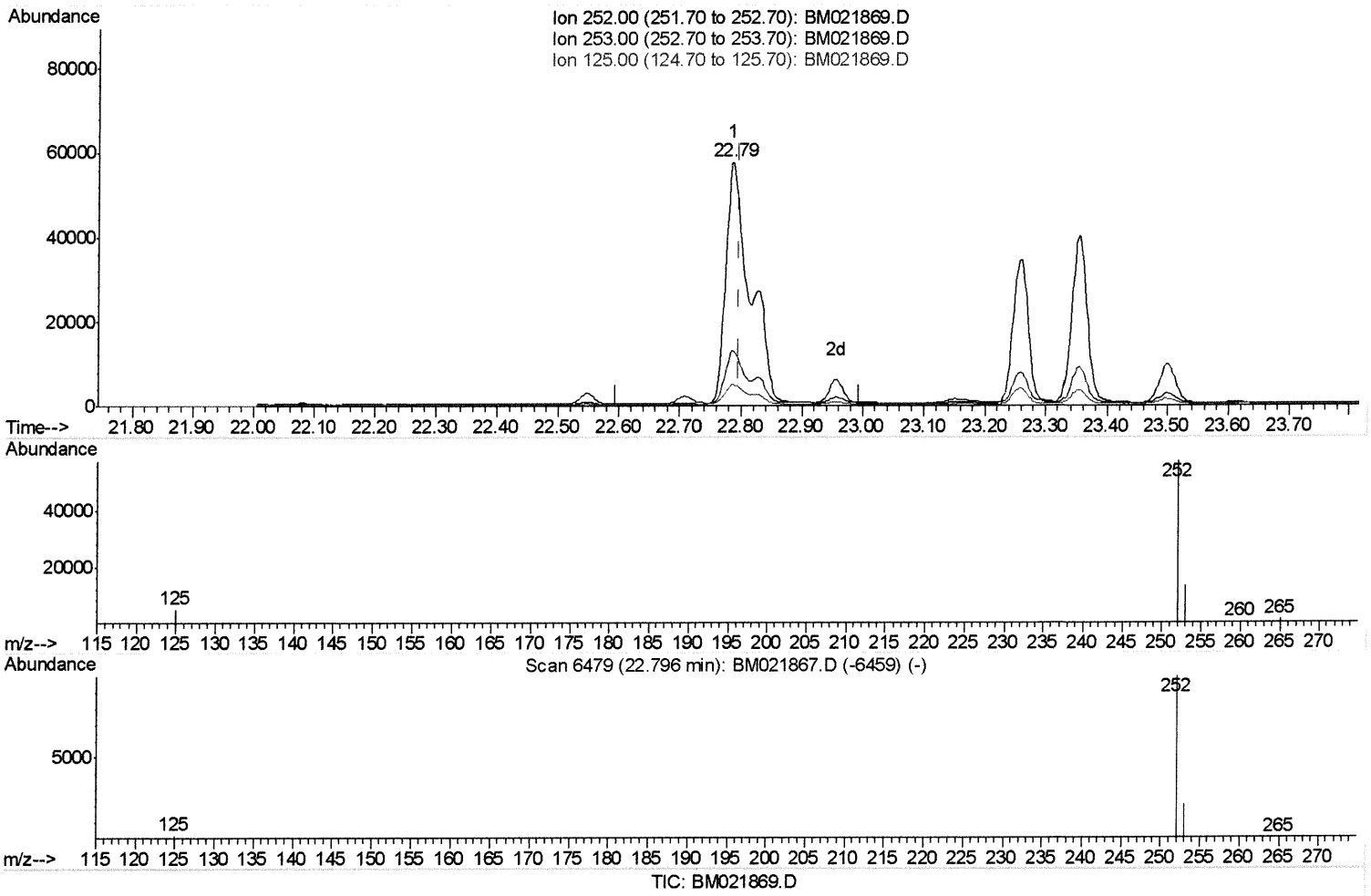



(21) Benzo(b)fluoranthene

22.786min (-0.010) 5.99ng/ul m JU 08/07/19

response 119078

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	22.83
125.00	15.50	8.67
0.00	0.00	0.00

Instrument :
BNA_M
ClientSampleId :
A52F0MS

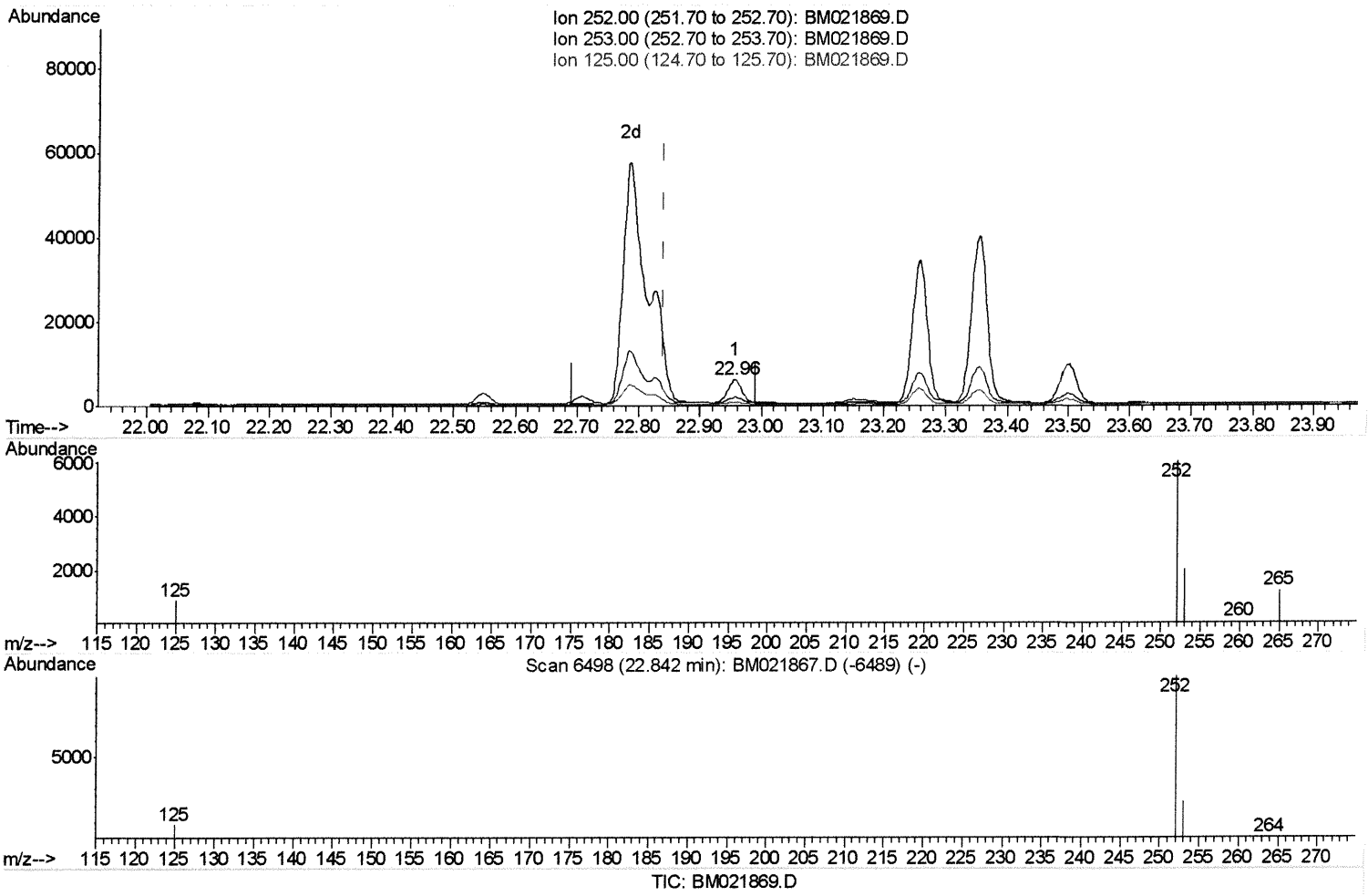
Manual Integrations APPROVED
mohammad
8/7/2019 12:12:14 PM

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080619\

Quantitation Report (Qedit)

Data File : BM021869.D
Acq On : 06 Aug 2019 21:44
Operator : HP/JU
Sample : K3922-02MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 07 04:05:39 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 04:02:33 2019
Response via : Initial Calibration



TIC: BM021869.D

(22) Benzo(k)fluoranthene

22.956min (+0.114) 0.37ng/ul

response 8232

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	33.79
125.00	15.20	14.92
0.00	0.00	0.00

Instrument :
BNA_M
ClientSampleId :
A52F0MS

Manual Integrations APPROVED
mohammad
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Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080619\

Quantitation Report (Qedit)

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Acq On : 06 Aug 2019 21:44
Operator : HP/JU
Sample : K3922-02MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 07 04:05:39 2019
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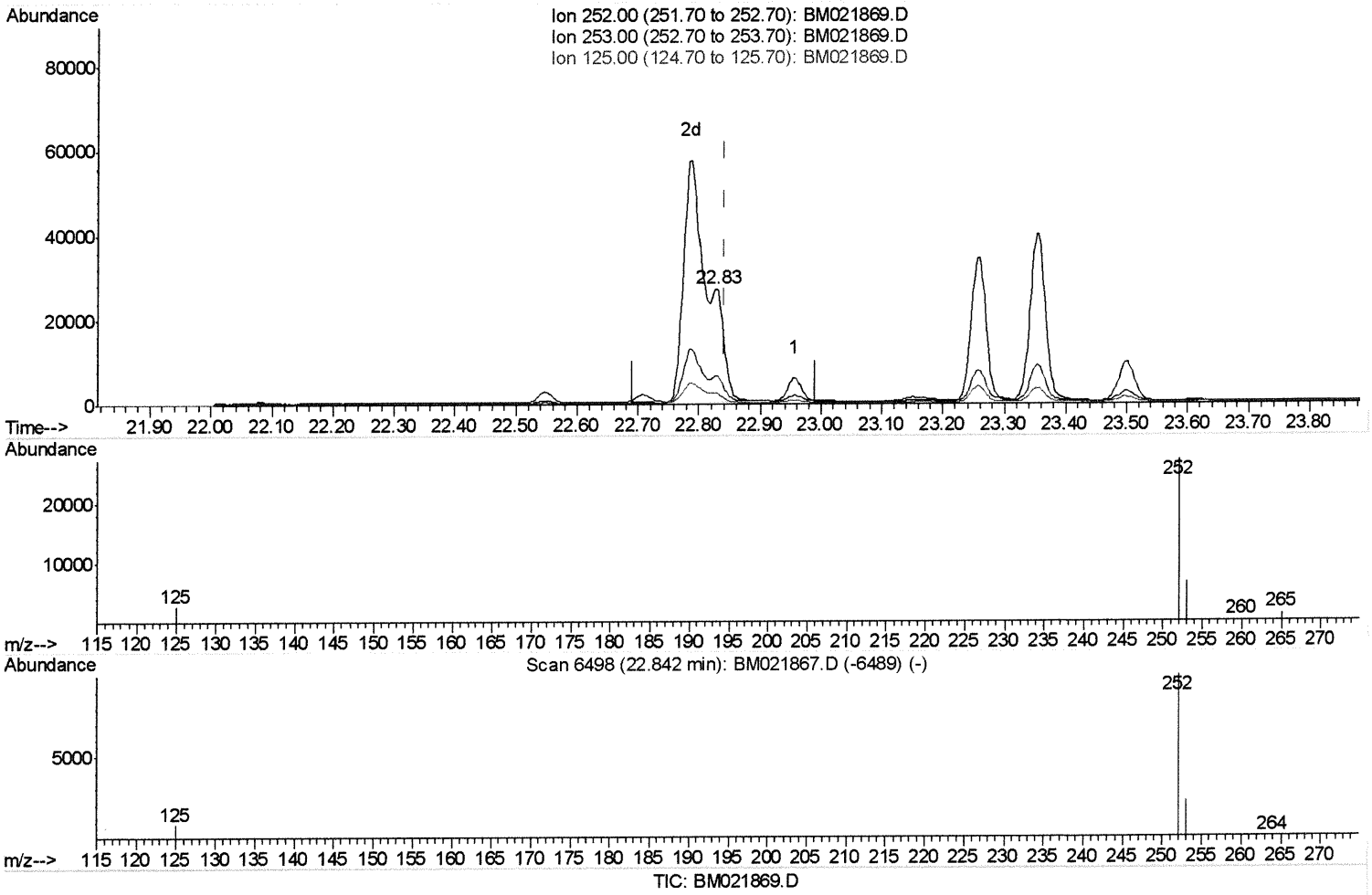

TIC: BM021869.D

(22) Benzo(k)fluoranthene

22.827min (-0.015) 1.83ng/ul m JU 08/07/19

response 41249

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	24.02#
125.00	15.20	9.62#
0.00	0.00	0.00

Instrument :
BNA_M
ClientSampleId :
A52F0MS

Manual Integrations APPROVED
mohammad
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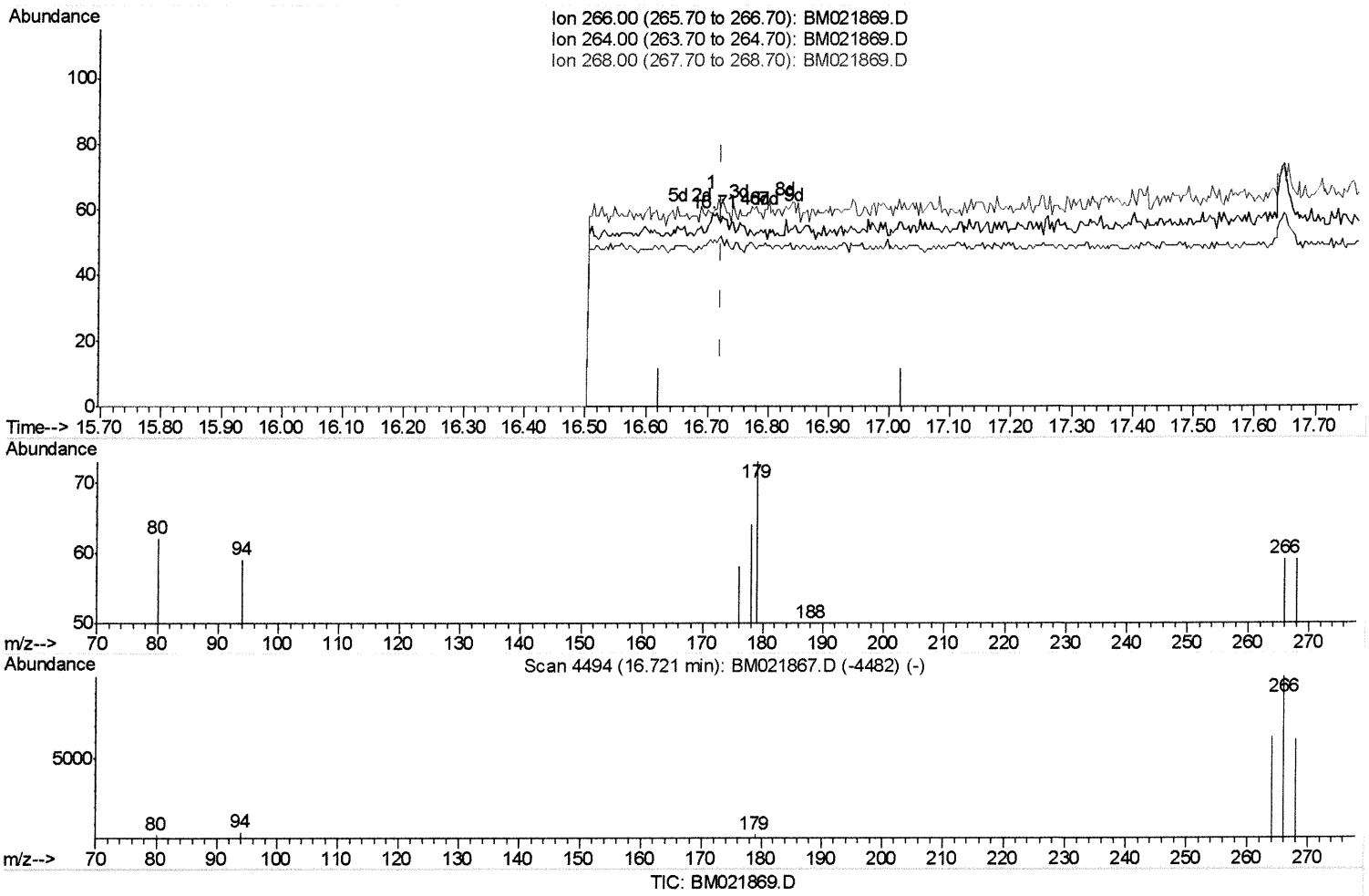
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080619\

Quantitation Report (Qedit)

Data File : BM021869.D
Acq On : 06 Aug 2019 21:44
Operator : HP/JU
Sample : K3922-02MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 07 04:15:55 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 04:02:33 2019
Response via : Initial Calibration



(11) Pentachlorophenol

16.706min (-0.015) 0.01ng/ul

response 6

Ion	Exp%	Act%
266.00	100	100
264.00	67.70	83.33#
268.00	72.00	0.00#
0.00	0.00	0.00

Instrument :
BNA_M
ClientSampleId :
A52F0MS

Manual Integrations APPROVED
mohammad
8/7/2019 12:12:14 PM

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080619\

Quantitation Report (Qedit)

Data File : BM021869.D
Acq On : 06 Aug 2019 21:44
Operator : HP/JU
Sample : K3922-02MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 07 04:15:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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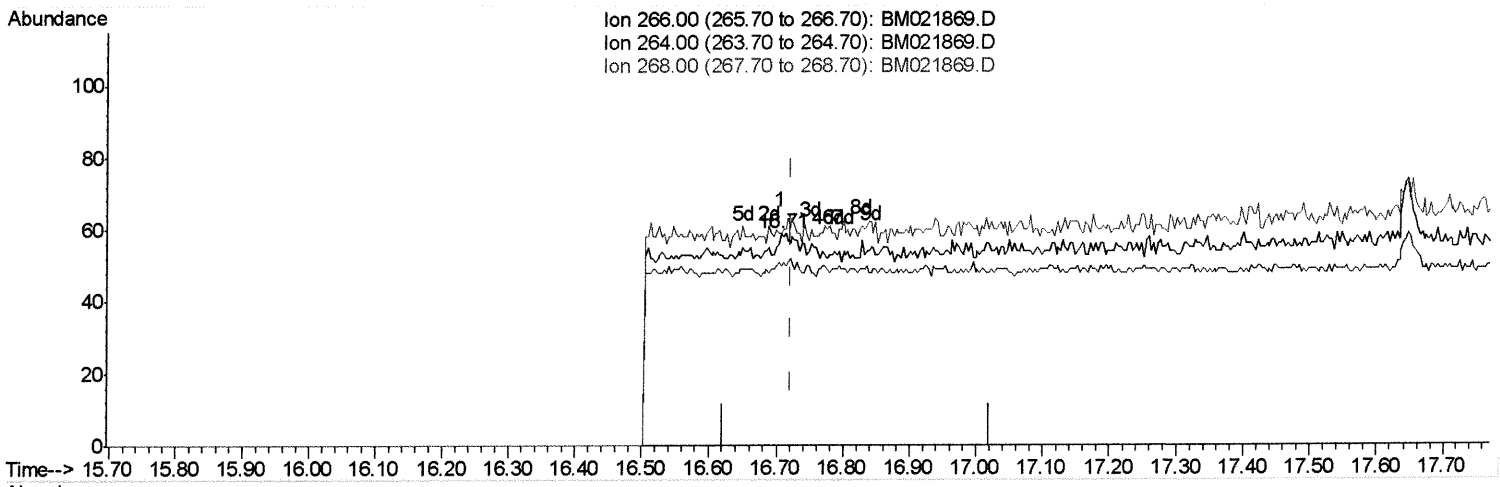

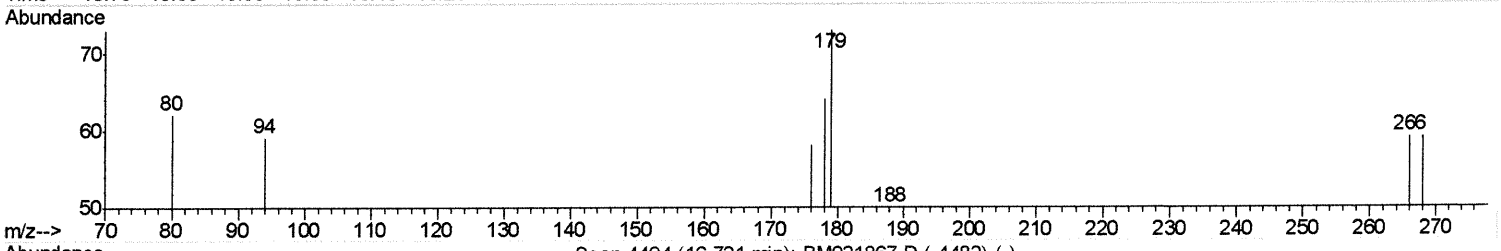

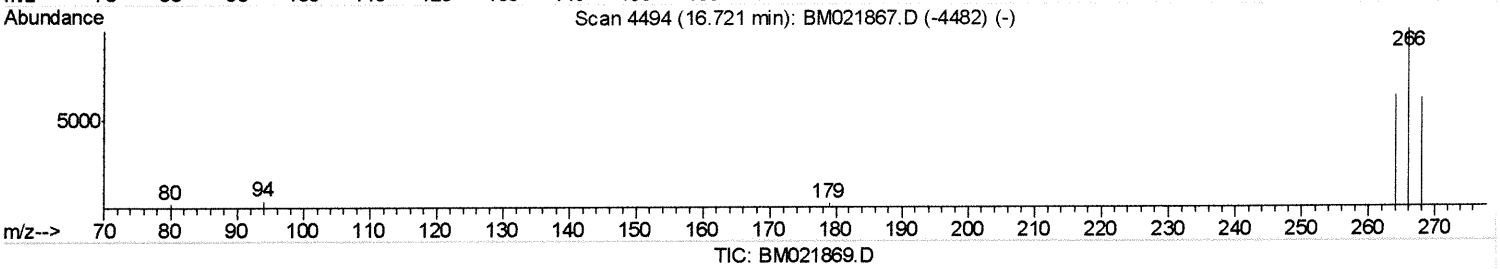

TIC: BM021869.D

(11) Pentachlorophenol

16.706min (-0.015) 0.01ng/ul m JU 08/07/19

response 11

Ion	Exp%	Act%
266.00	100	100
264.00	67.70	45.45#
268.00	72.00	0.00#
0.00	0.00	0.00

Instrument :
BNA_M
ClientSampleId :
A52F0MS

Manual Integrations APPROVED
mohammad
8/7/2019 12:12:14 PM

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080619\

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	817	0.40	ng/ul	0.00
2) Naphthalene-d8	10.43	136	3485	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	2036	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	4618	0.40	ng/ul	-0.01
16) Chrysene-d12	21.24	240	4749	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	5898	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.04	152	861	0.15	ng/ul	0.00
14) Fluoranthene-d10	19.07	212	2395	0.15	ng/ul	-0.02
Target Compounds						Qvalue
7) Acenaphthylene	14.01	152	690	0.073	ng/ul#	80
8) Acenaphthene	14.35	153	1945	0.250	ng/ul	96
9) Fluorene	15.35	166	1249	0.145	ng/ul	97
12) Phenanthrene	17.08	178	58402	4.346	ng/ul	96
13) Anthracene	17.18	178	4108	0.358	ng/ul	99
15) Fluoranthene	19.10	202	184054	10.226	ng/ul	96
17) Pyrene	19.46	202	149945	7.684	ng/ul	99
18) Benzo(a)anthracene	21.22	228	61397	3.614	ng/ul	99
19) Chrysene	21.27	228	87761	4.017	ng/ul	99
21) Benzo(b)fluoranthene	22.79	252	119078m →	5.987	ng/ul	> 3.5 U
22) Benzo(k)fluoranthene	22.83	252	41249m →	1.833	ng/ul	> 3.5 U
23) Benzo(a)pyrene	23.36	252	70322	3.477	ng/ul#	75
24) Indeno(1,2,3-cd)pyrene	25.66	276	60013	2.485	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.67	278	12734	0.652	ng/ul	92
26) Benzo(g,h,i)perylene	26.35	276	57634	2.651	ng/ul	95

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