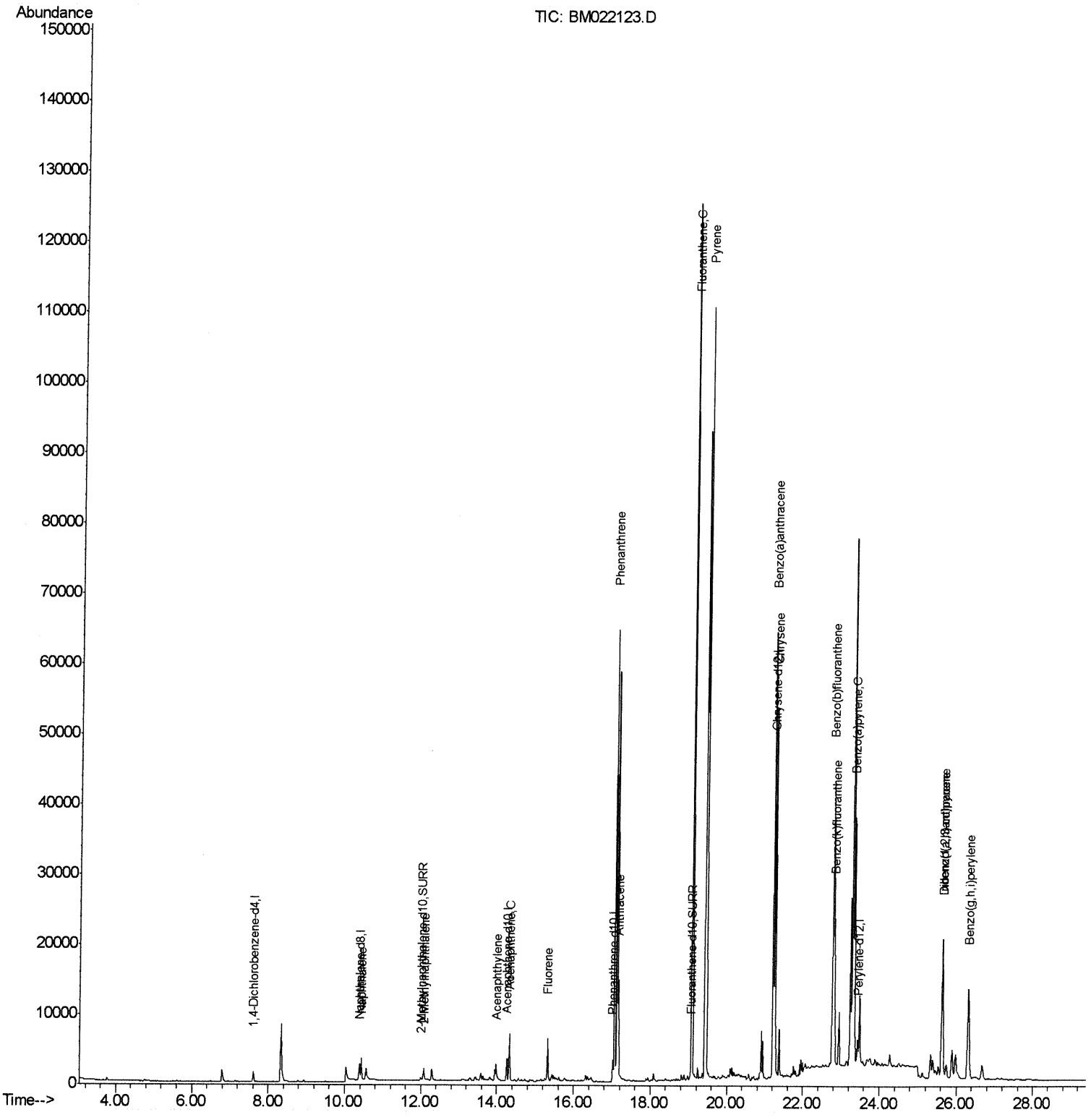
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022123.D
Acq On : 15 Aug 2019 00:19
Operator : HP/JU
Sample : K4304-07DL 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 15 11:34:27 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 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N8DL

Manual Integrations APPROVED
mohammad
8/15/2019 5:09:49 PM



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022123.D
Acq On : 15 Aug 2019 00:19
Operator : HP/JU
Sample : K4304-07DL 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 15 11:33:31 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 14 13:53:23 2019
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ClientSampleId :
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Manual Integrations APPROVED
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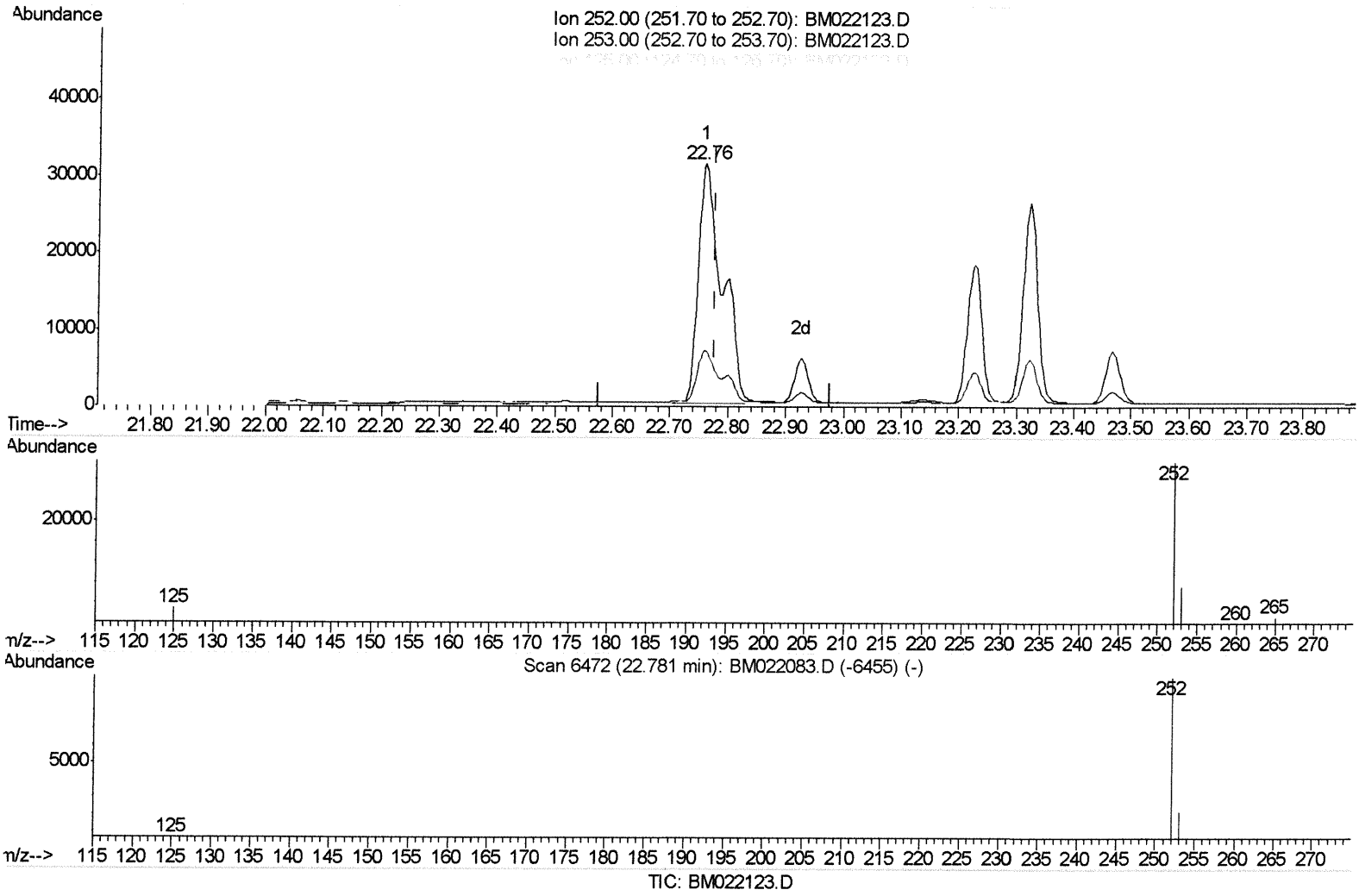

(21) Benzo(b)fluoranthene

22.759min (-0.017) 6.47ng/ul

response 91586

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	23.23
125.00	15.50	9.26
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
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BNA_M
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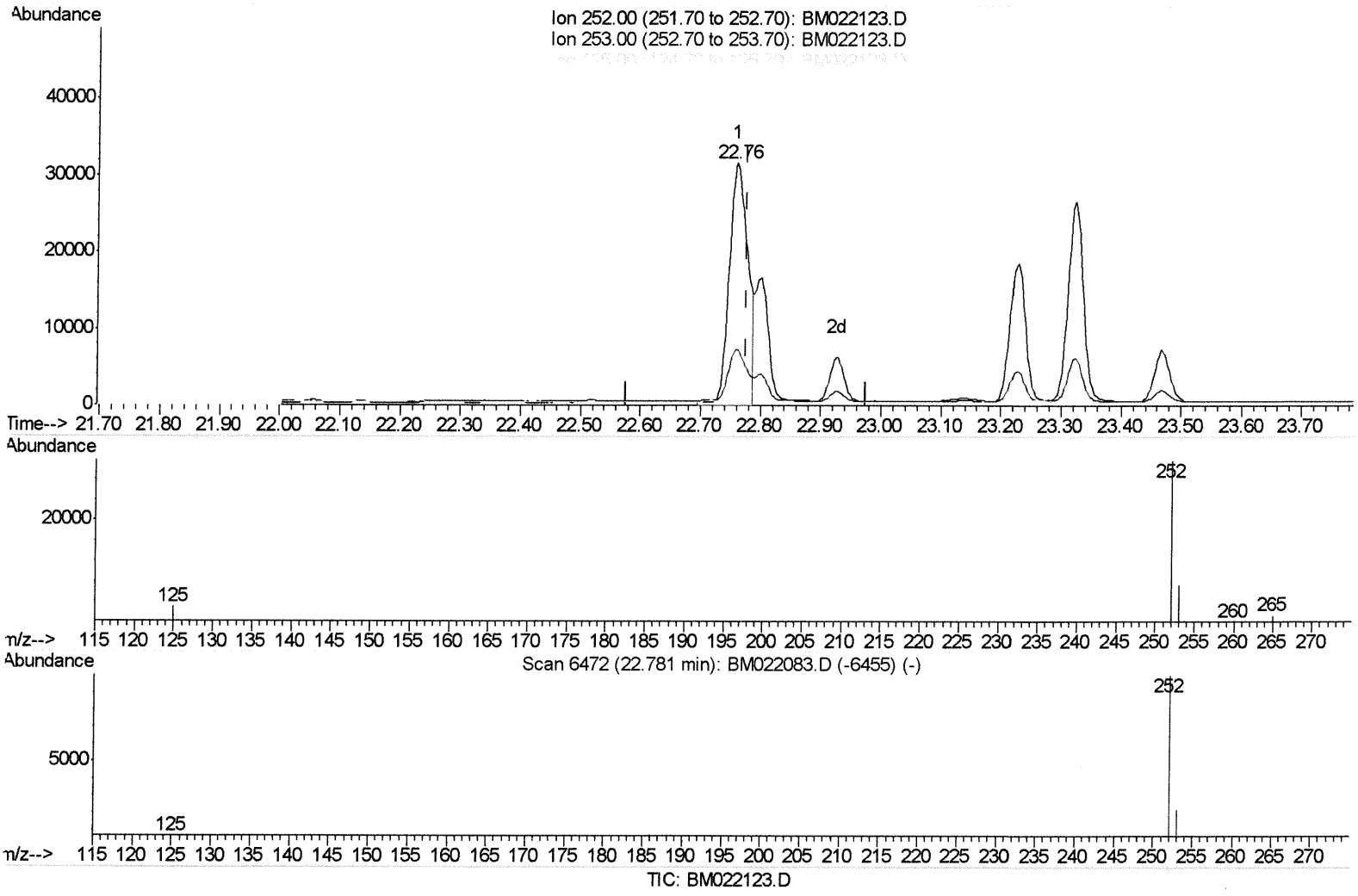
Manual Integrations APPROVED
mohammad
8/15/2019 5:09:49 PM



(21) Benzo(b)fluoranthene

22.759min (-0.017) 4.78ng/ul m JU 08/15/19

response 67609

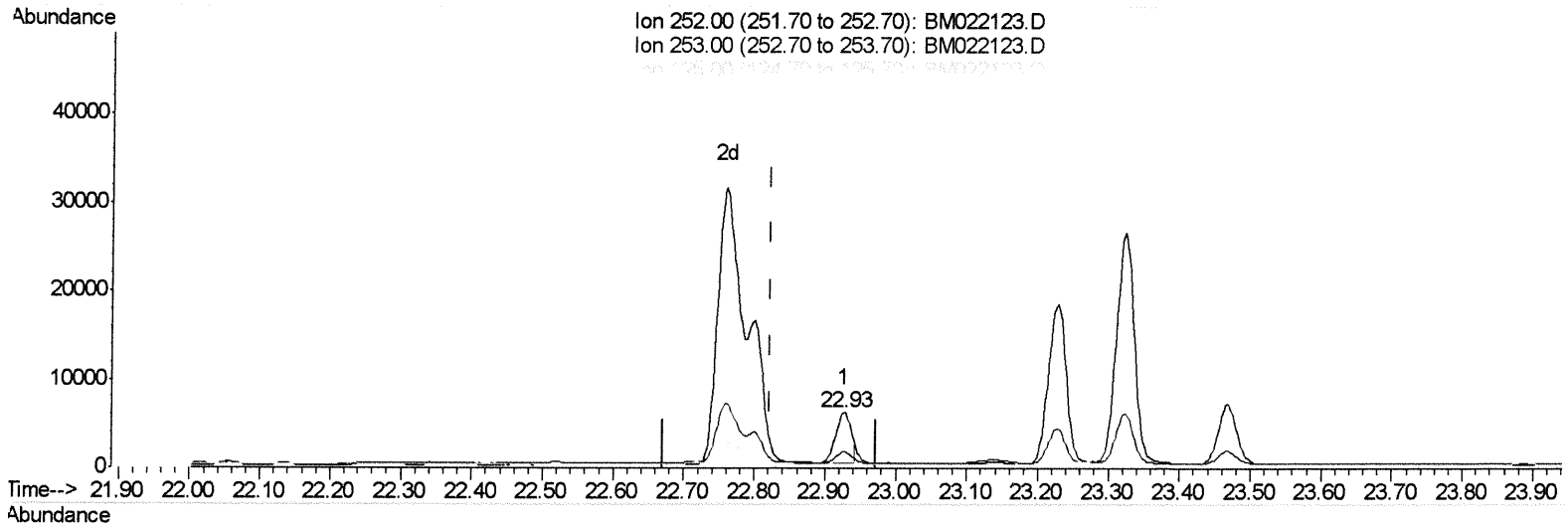
Ion	Exp%	Act%
252.00	100	100
253.00	33.70	23.23
125.00	15.50	9.26
0.00	0.00	0.00

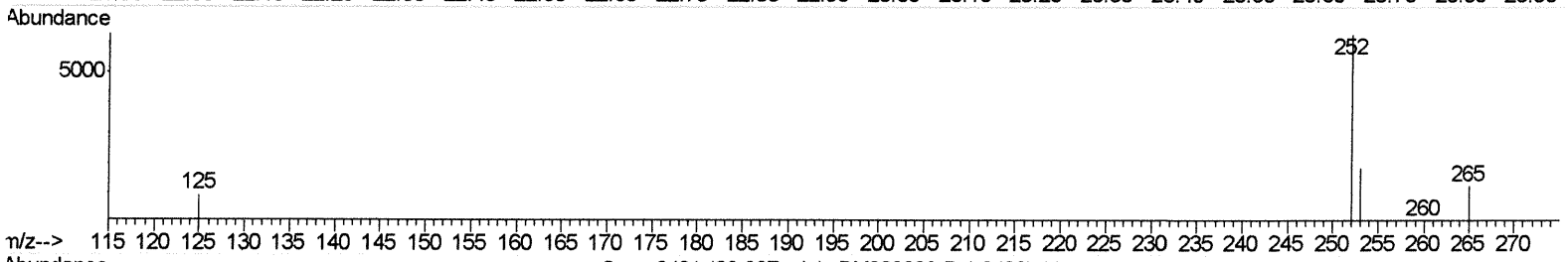
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022123.D
Acq On : 15 Aug 2019 00:19
Operator : HP/JU
Sample : K4304-07DL 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 15 11:33:31 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 14 13:53:23 2019
Response via : Initial Calibration

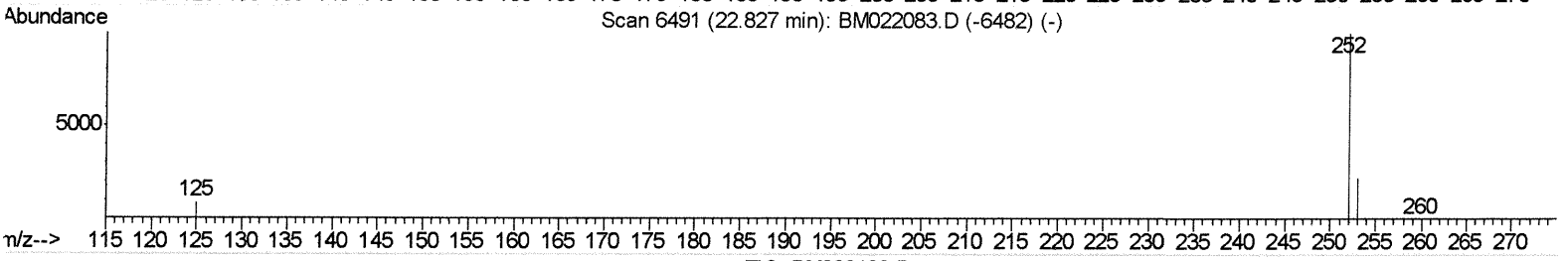
Instrument :
BNA_M
ClientSampleId :
CB5N8DL

Manual Integrations APPROVED
mohammad
8/15/2019 5:09:49 PM





Scan 6491 (22.827 min): BM022083.D (-6482) (-)



TIC: BM022123.D

(22) Benzo(k)fluoranthene

22.926min (+0.104) 0.54ng/ul

response 8648

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	29.78
125.00	15.20	15.00
0.00	0.00	0.00

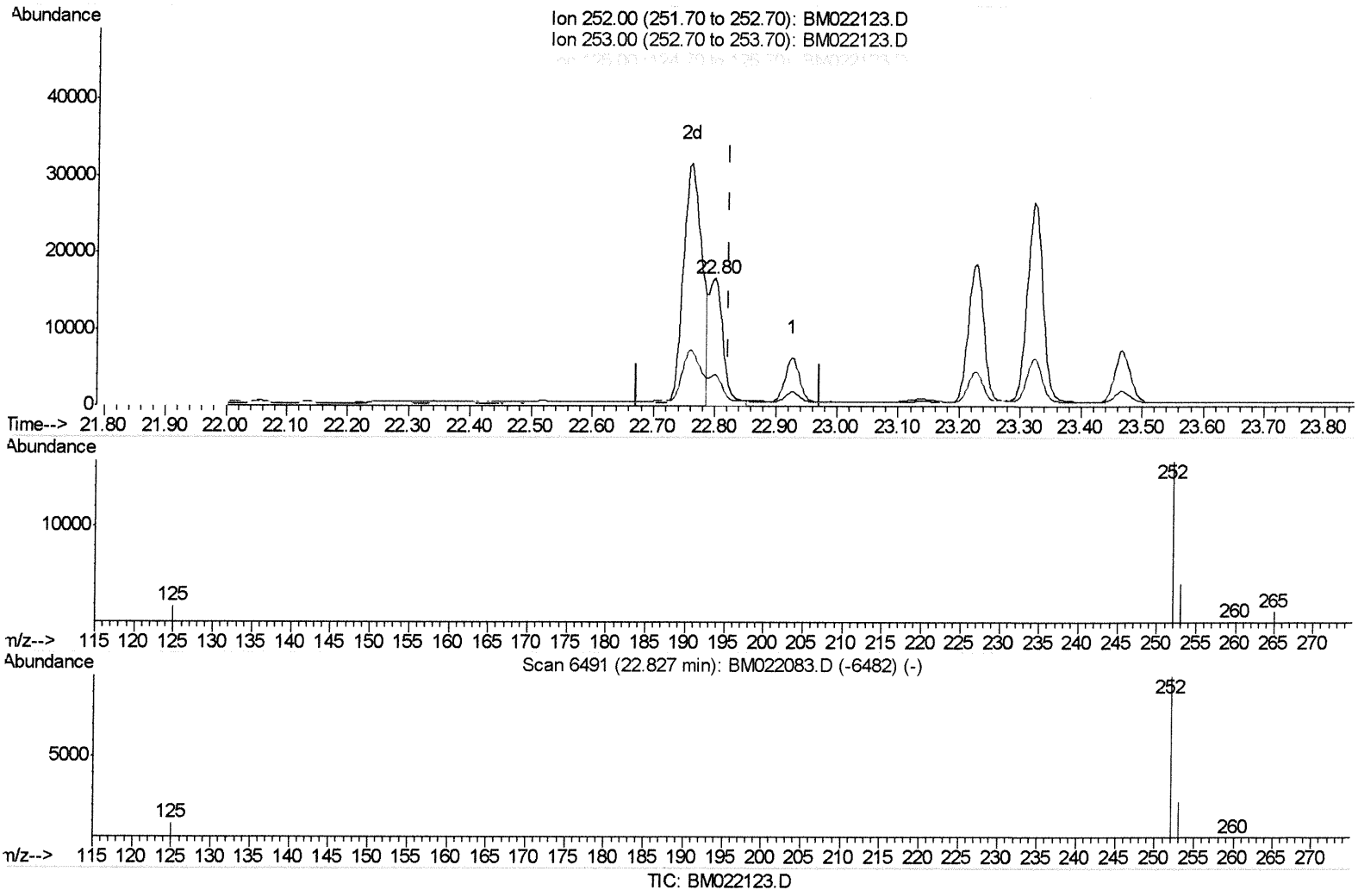
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022123.D
Acq On : 15 Aug 2019 00:19
Operator : HP/JU
Sample : K4304-07DL 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 15 11:33:31 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 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N8DL

Manual Integrations APPROVED
mohammad
8/15/2019 5:09:49 PM



(22) Benzo(k)fluoranthene

22.801min (-0.022) 1.71ng/ul m JU 08/15/19

response 27359

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	24.75#
125.00	15.20	10.54#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022123.D
Acq On : 15 Aug 2019 00:19
Operator : HP/JU
Sample : K4304-07DL 5X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB5N8DL

Manual Integrations APPROVED
mohammad
8/15/2019 5:09:49 PM

Quant Time: Aug 15 11:34:27 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 14 13:53:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	835	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.38	136	3415	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.26	164	1770	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.01	188	3934	0.40	ng/ul	-0.02
16) Chrysene-d12	21.21	240	3924	0.40	ng/ul	-0.02
20) Perylene-d12	23.42	264	4198	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.99	152	521	0.09	ng/ul	-0.02
14) Fluoranthene-d10	19.05	212	1236	0.09	ng/ul	-0.02
Target Compounds						Qvalue
3) Naphthalene	10.43	128	4614	0.478	ng/ul	96
5) 2-Methylnaphthalene	12.07	142	1604	0.250	ng/ul	96
7) Acenaphthylene	13.97	152	2761	0.334	ng/ul#	84
8) Acenaphthene	14.32	153	4084	0.605	ng/ul	96
9) Fluorene	15.31	166	4190	0.559	ng/ul	97
12) Phenanthrene	17.05	178	67018	5.855	ng/ul	96
13) Anthracene	17.15	178	15707	1.609	ng/ul	95
15) Fluoranthene	19.08	202	111011	7.240	ng/ul	96
17) Pyrene	19.44	202	95830	5.943	ng/ul	99
18) Benzo(a)anthracene	21.20	228	52722	3.756	ng/ul	99
19) Chrysene	21.25	228	50620	2.804	ng/ul	99
21) Benzo(b)fluoranthene	22.76	252	67609m	4.776	ng/ul	
22) Benzo(k)fluoranthene	22.80	252	27359m	1.708	ng/ul	
23) Benzo(a)pyrene	23.32	252	46452	3.227	ng/ul#	76
24) Indeno(1,2,3-cd)pyrene	25.62	276	32082	1.866	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.62	278	8395	0.604	ng/ul	94
26) Benzo(g,h,i)perylene	26.30	276	27556	1.781	ng/ul	98

JU 08/15/19

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