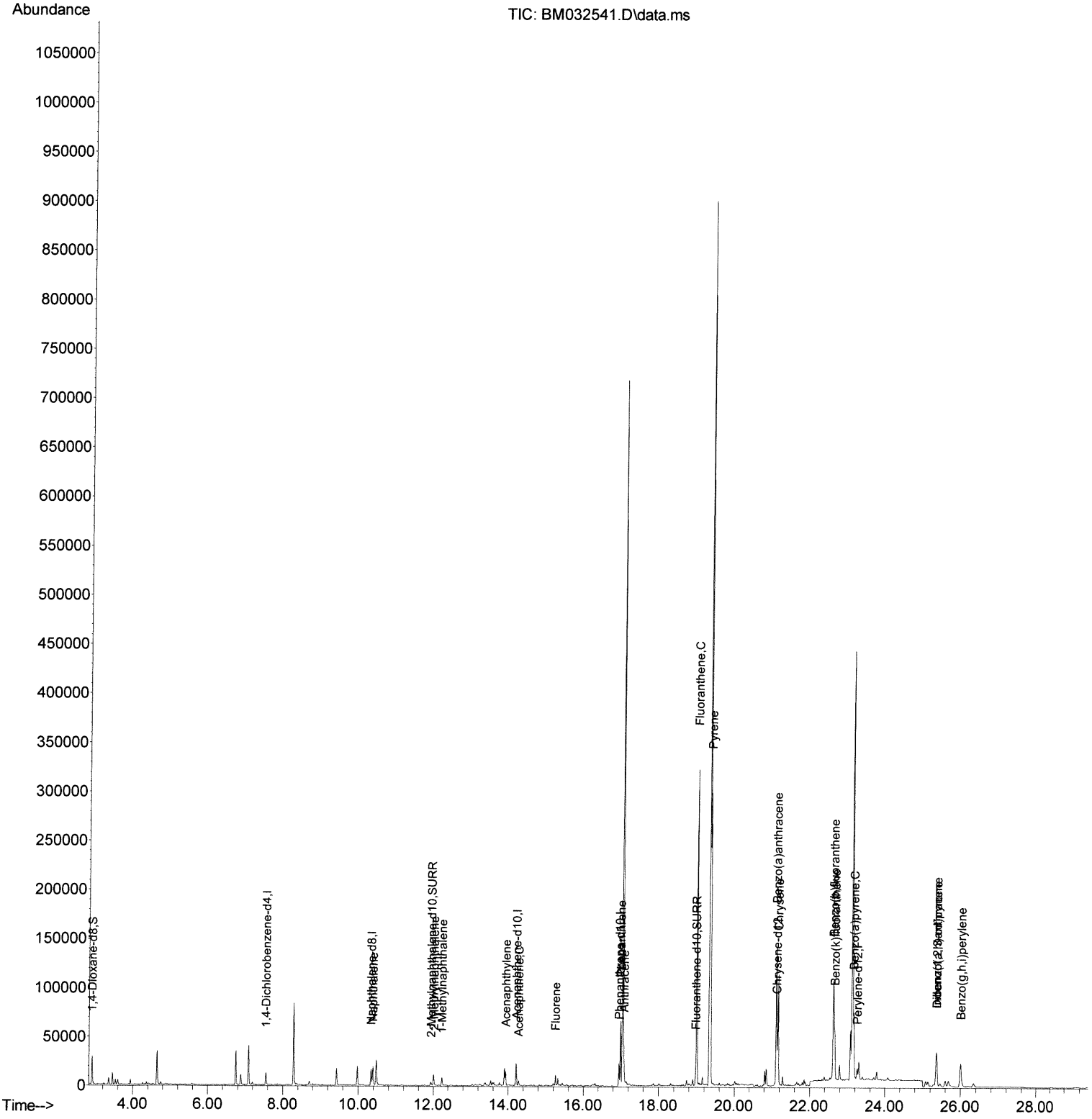
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032541.D
Acq On : 16 Oct 2021 00:30
Operator : CG/JU
Sample : M4029-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 18 04:10:20 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM101421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 15 12:37:00 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00R7

Manual Integrations APPROVED
mohammad
10/18/2021 12:42:11 PM



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032541.D
Acq On : 16 Oct 2021 00:30
Operator : CG/JU
Sample : M4029-12
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Quant Time: Oct 18 04:10:20 2021
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Manual Integrations APPROVED
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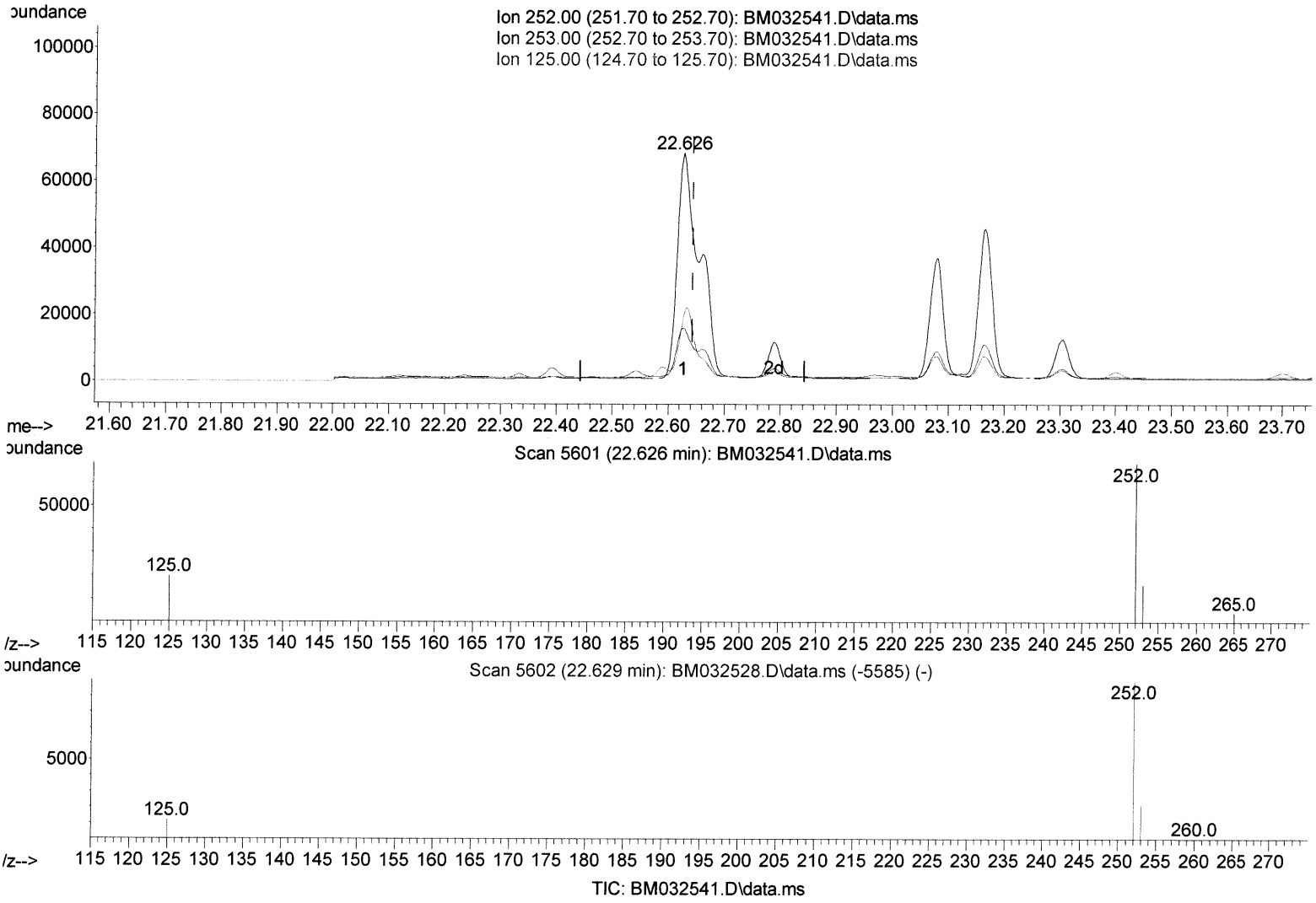


(24) Benzo(b)fluoranthene

22.626min (-0.017) 3.19 ng/ul

response 187020

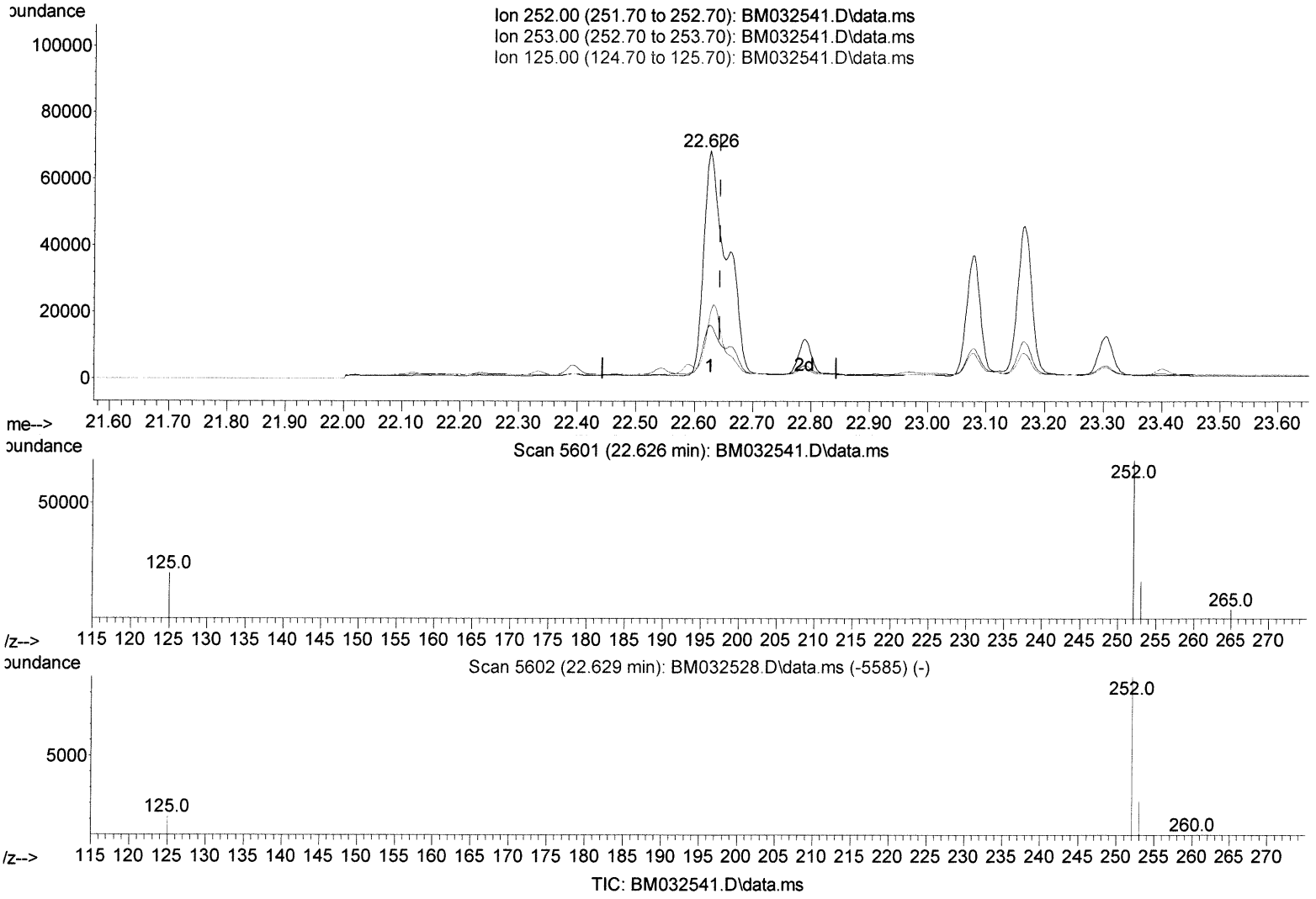
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.90	23.52
125.00	17.80	28.66
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032541.D
Acq On : 16 Oct 2021 00:30
Operator : CG/JU
Sample : M4029-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 18 04:10:20 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM101421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 15 12:37:00 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00R7

Manual Integrations APPROVED
mohammad
10/18/2021 12:42:11 PM



(24) Benzo(b)fluoranthene

22.626min (-0.017) 2.34 ng/ul m

response 137160

JP00 | 19 | 21

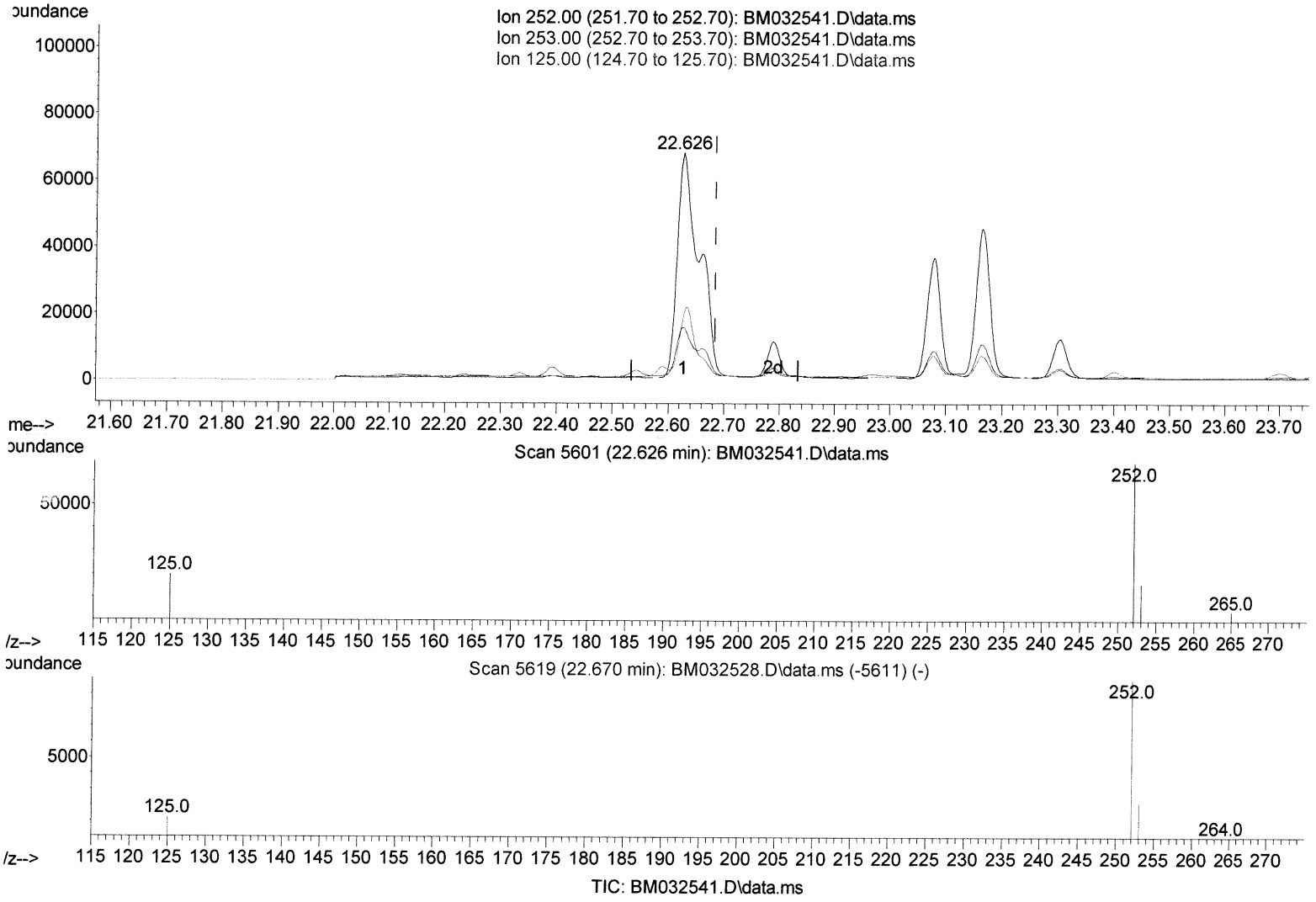
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.90	23.52
125.00	17.80	28.66
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032541.D
Acq On : 16 Oct 2021 00:30
Operator : CG/JU
Sample : M4029-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 18 04:10:20 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM101421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 15 12:37:00 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00R7

Manual Integrations APPROVED
mohammad
10/18/2021 12:42:11 PM



(25) Benzo(k)fluoranthene

22.626min (-0.058) 3.21 ng/ul

response 187020

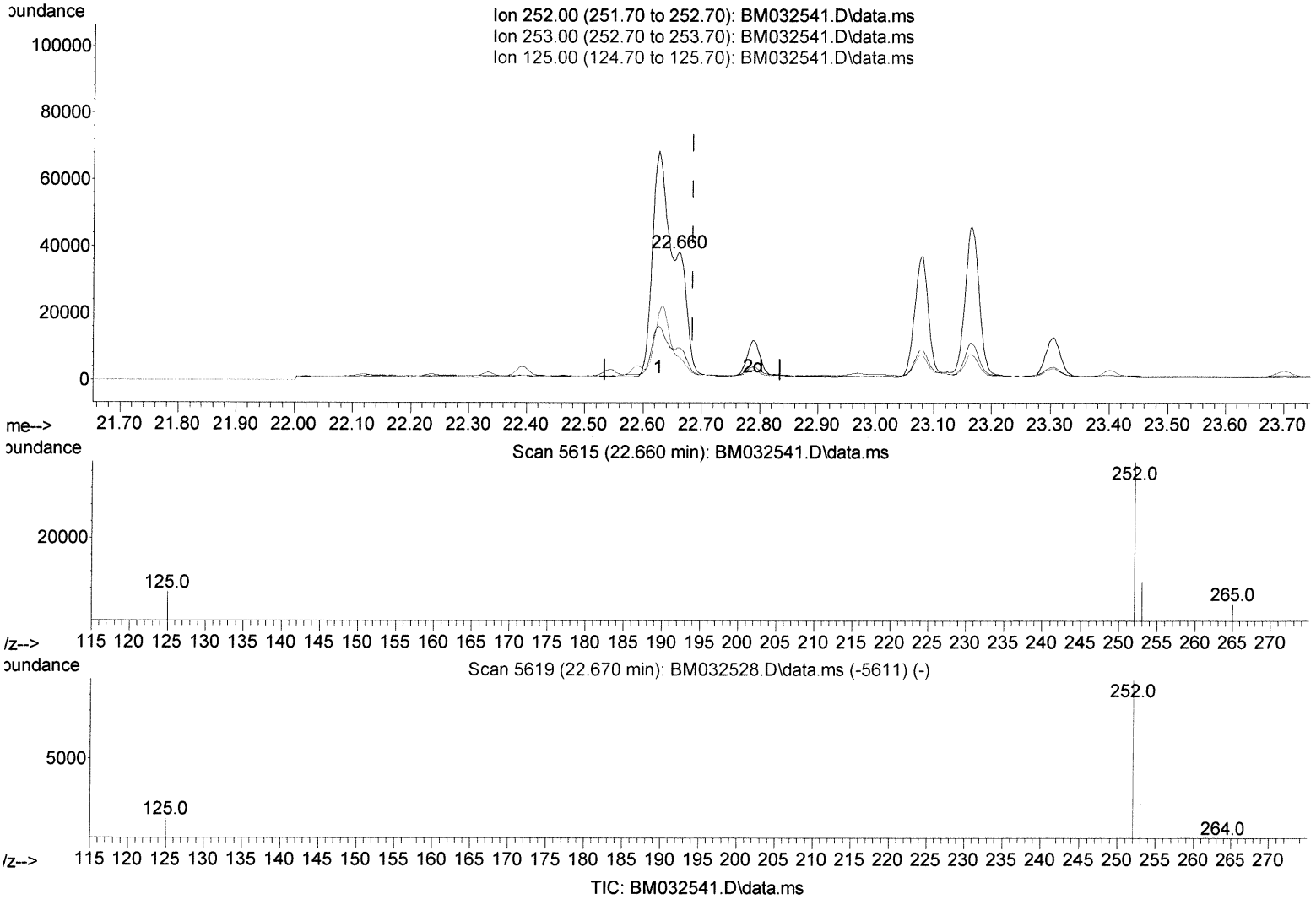
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	23.52
125.00	18.00	28.66#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032541.D
Acq On : 16 Oct 2021 00:30
Operator : CG/JU
Sample : M4029-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 18 04:10:20 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM101421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 15 12:37:00 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00R7

Manual Integrations APPROVED
mohammad
10/18/2021 12:42:11 PM



(25) Benzo(k)fluoranthene

22.660min (-0.024) 0.85 ng/ul m

response 49724

JH 10/19/21

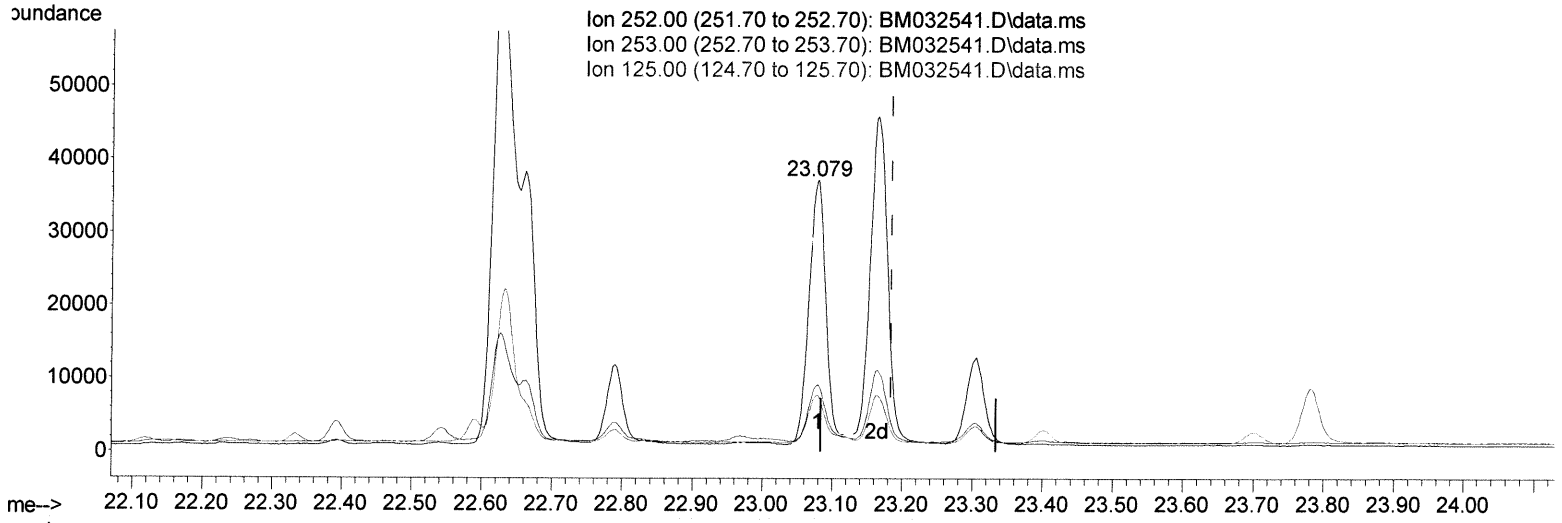
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	25.09
125.00	18.00	18.24
0.00	0.00	0.00

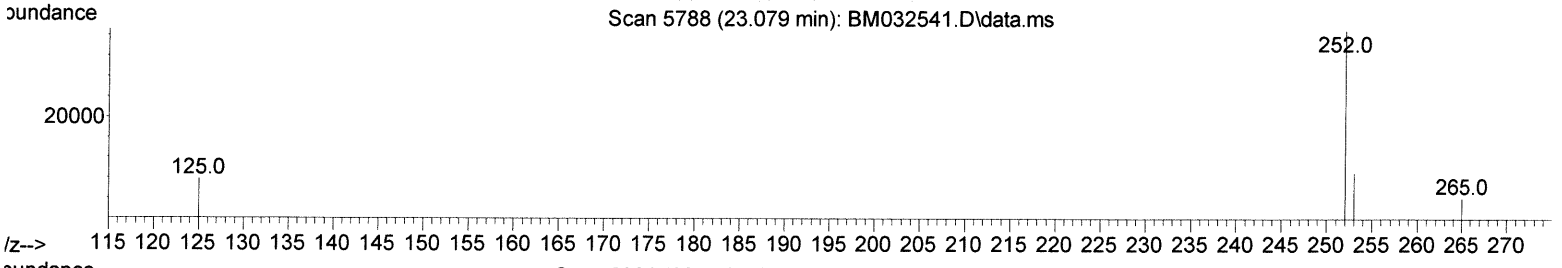
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032541.D
Acq On : 16 Oct 2021 00:30
Operator : CG/JU
Sample : M4029-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

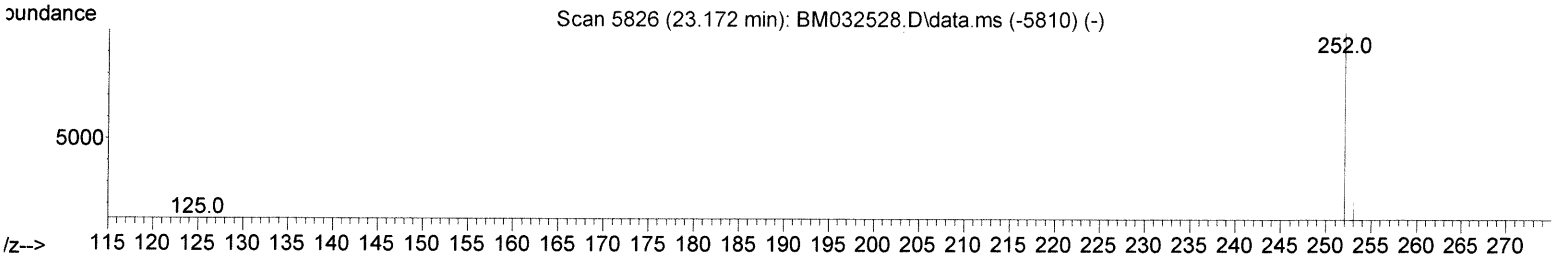
Quant Time: Oct 18 04:10:20 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM101421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 15 12:37:00 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00R7

Manual Integrations APPROVED
mohammad
10/18/2021 12:42:11 PM







TIC: BM032541.D\data.ms

(26) Benzo(a)pyrene (C)

23.079min (-0.104) 0.82 ng/ul

response 40233

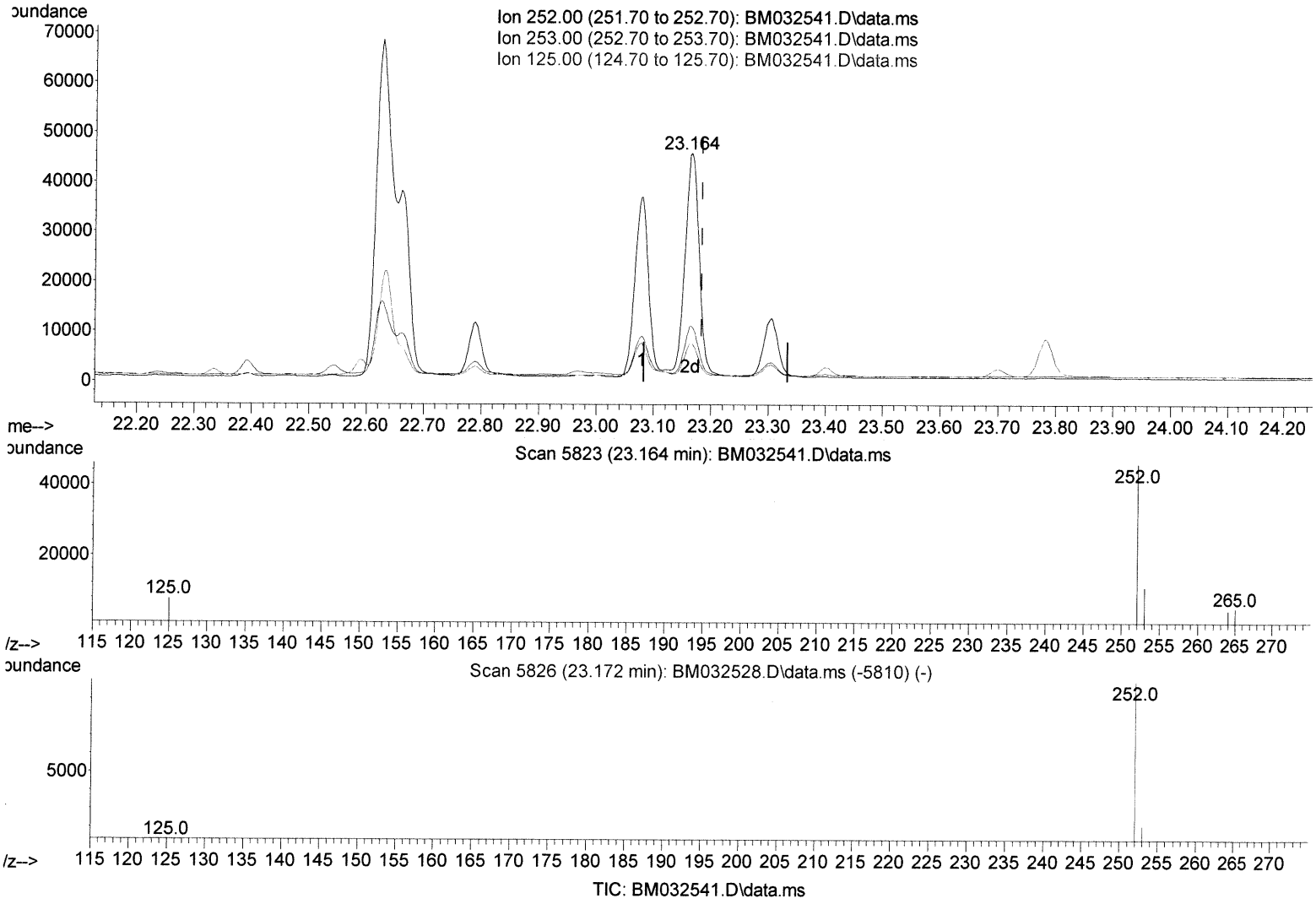
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	29.50	24.64
125.00	21.40	20.86
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032541.D
Acq On : 16 Oct 2021 00:30
Operator : CG/JU
Sample : M4029-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 18 04:10:20 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM101421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 15 12:37:00 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00R7

Manual Integrations APPROVED
mohammad
10/18/2021 12:42:11 PM



(26) Benzo(a)pyrene (C)

23.164min (-0.019) 1.59 ng/ul m JU 10/19/21

response 78157

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	29.50	24.39
125.00	21.40	16.75#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032541.D
Acq On : 16 Oct 2021 00:30
Operator : CG/JU
Sample : M4029-12
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C00R7

Manual Integrations APPROVED
mohammad
10/18/2021 12:42:11 PM

Quant Time: Oct 18 04:10:20 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM101421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 15 12:37:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.553	152	6610	0.400	ng/ul	0.00
4) Naphthalene-d8	10.339	136	21665	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.213	164	12058	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.946	188	23841	0.400	ng/ul	0.00
17) Chrysene-d12	21.123	240	15830	0.400	ng/ul	-0.01
23) Perylene-d12	23.259	264	12679	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.920	96	16935	2.286	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.936	152	4735	0.164	ng/ul	0.00
18) Fluoranthene-d10	18.973	212	10602	0.213	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.388	128	26081	0.397	ng/ul	99
7) 2-Methylnaphthalene	12.012	142	8939	0.208	ng/ul	100
8) 1-Methylnaphthalene	12.232	142	5296	0.125	ng/ul	100
10) Acenaphthylene	13.928	152	15877	0.308	ng/ul	100
11) Acenaphthene	14.274	153	2939	0.063	ng/ul	98
12) Fluorene	15.259	166	6683	0.126	ng/ul#	97
15) Phenanthrene	16.988	178	65470	0.817	ng/ul	99
16) Anthracene	17.078	178	19334	0.275	ng/ul	99
19) Fluoranthene	19.004	202	250237	3.195	ng/ul	98
20) Pyrene	19.366	202	221144	2.746	ng/ul	98
21) Benzo(a)anthracene	21.108	228	111732	1.806	ng/ul	98
22) Chrysene	21.157	228	113506	1.668	ng/ul	98
24) Benzo(b)fluoranthene	22.626	252	137160m	2.341	ng/ul	
25) Benzo(k)fluoranthene	22.660	252	49724m	0.852	ng/ul	
26) Benzo(a)pyrene	23.164	252	78157m	1.592	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.359	276	51135	0.852	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.359	278	12686	0.268	ng/ul	92
29) Benzo(g,h,i)perylene	26.004	276	43751	0.836	ng/ul	99

AJA 10/19/21

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