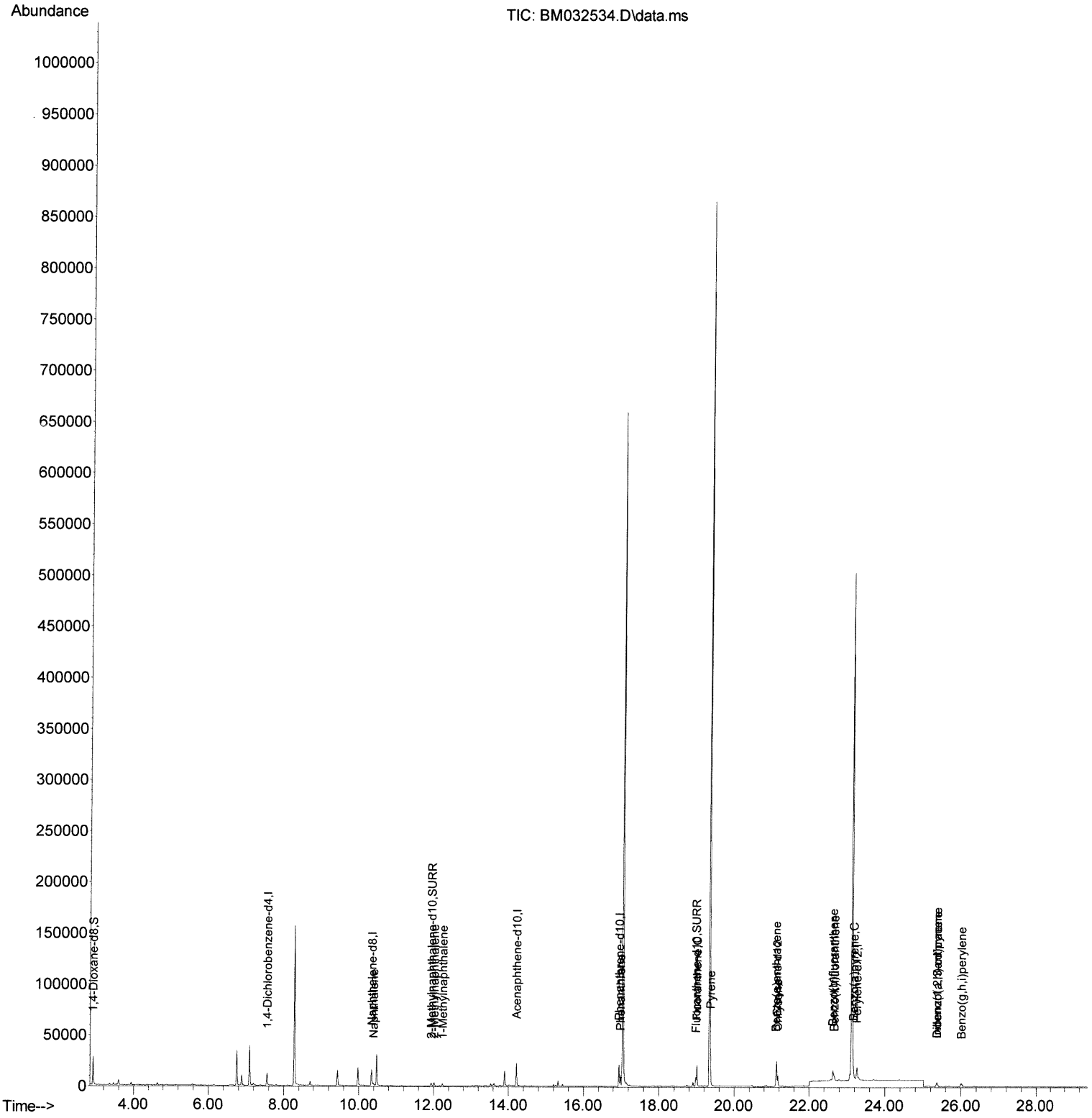
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032534.D
Acq On : 15 Oct 2021 20:14
Operator : CG/JU
Sample : M4029-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 18 04:07:48 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 :
C00S6

Manual Integrations APPROVED
mohammad
10/18/2021 12:41:50 PM



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032534.D
Acq On : 15 Oct 2021 20:14
Operator : CG/JU
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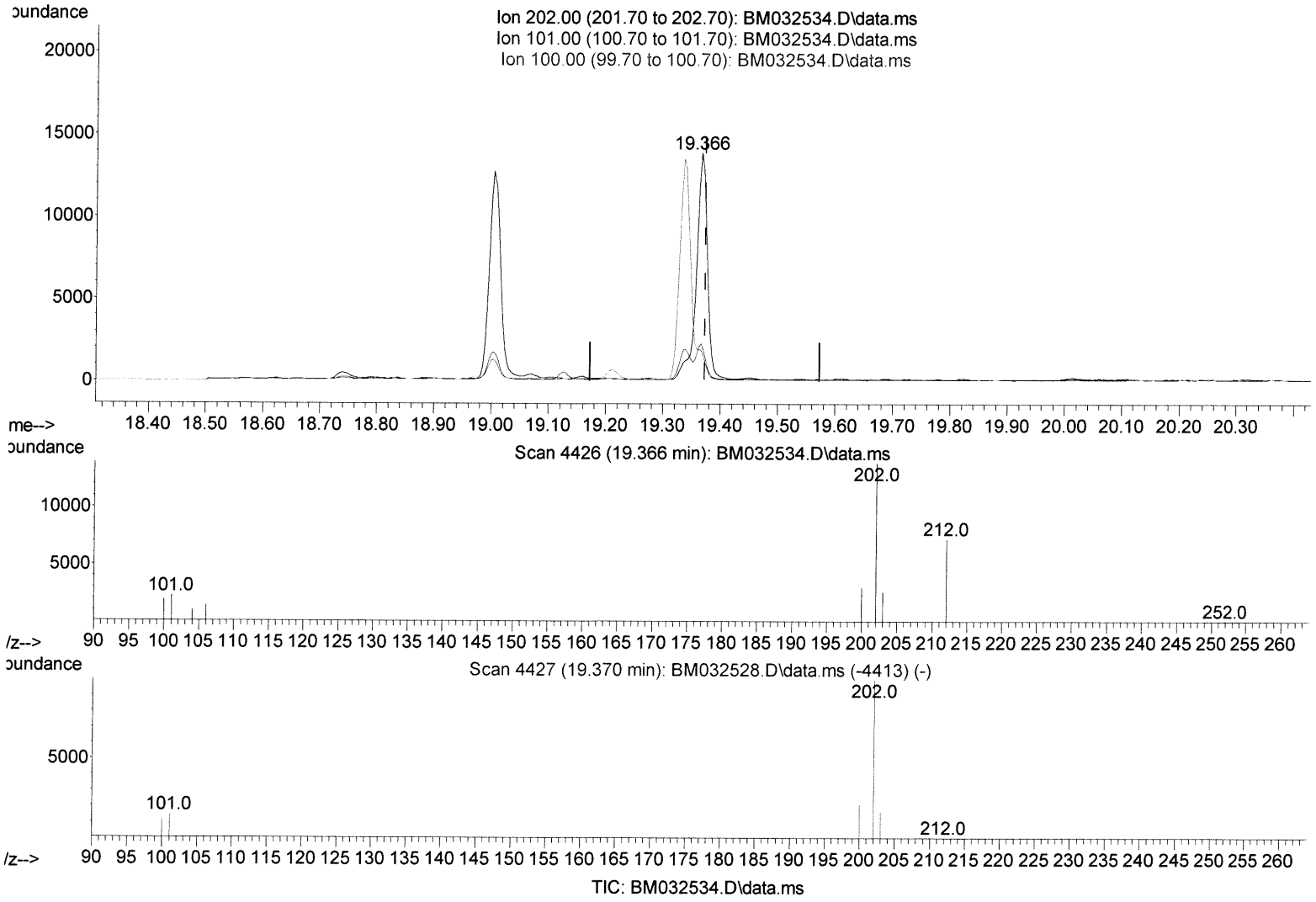
Manual Integrations APPROVED
mohammad
10/18/2021 12:41:50 PM



(20) Pyrene

19.366min (-0.008) 0.20 ng/ul

response 18748

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	15.40	16.29
100.00	12.60	13.54
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032534.D
Acq On : 15 Oct 2021 20:14
Operator : CG/JU
Sample : M4029-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 18 04:07:48 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM101421.M
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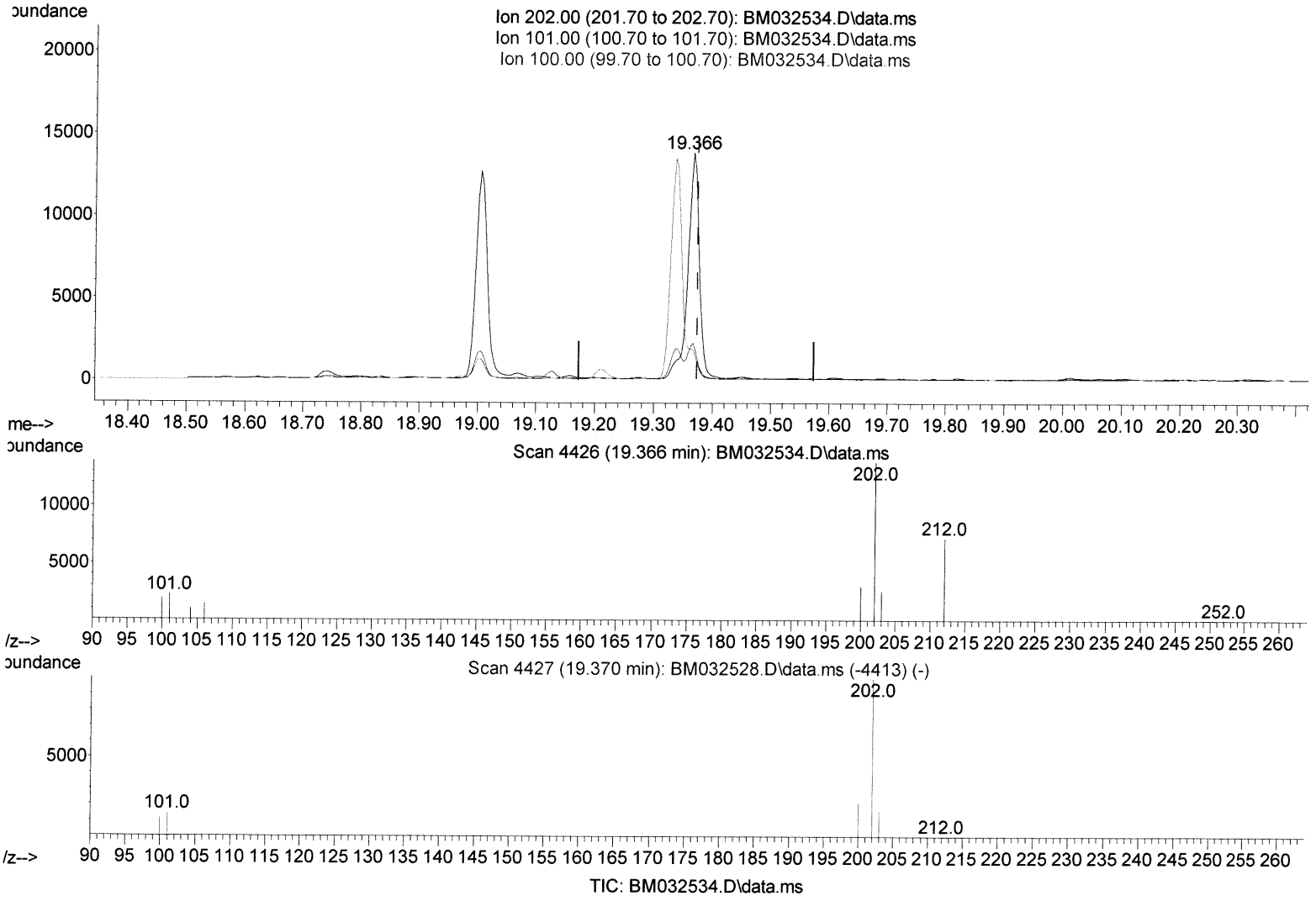
BNA_M
ClientSampleId :
C00S6

Manual Integrations APPROVED
mohammad
10/18/2021 12:41:50 PM



(20) Pyrene

19.366min (-0.008) 0.19 ng/ul m

response 17569

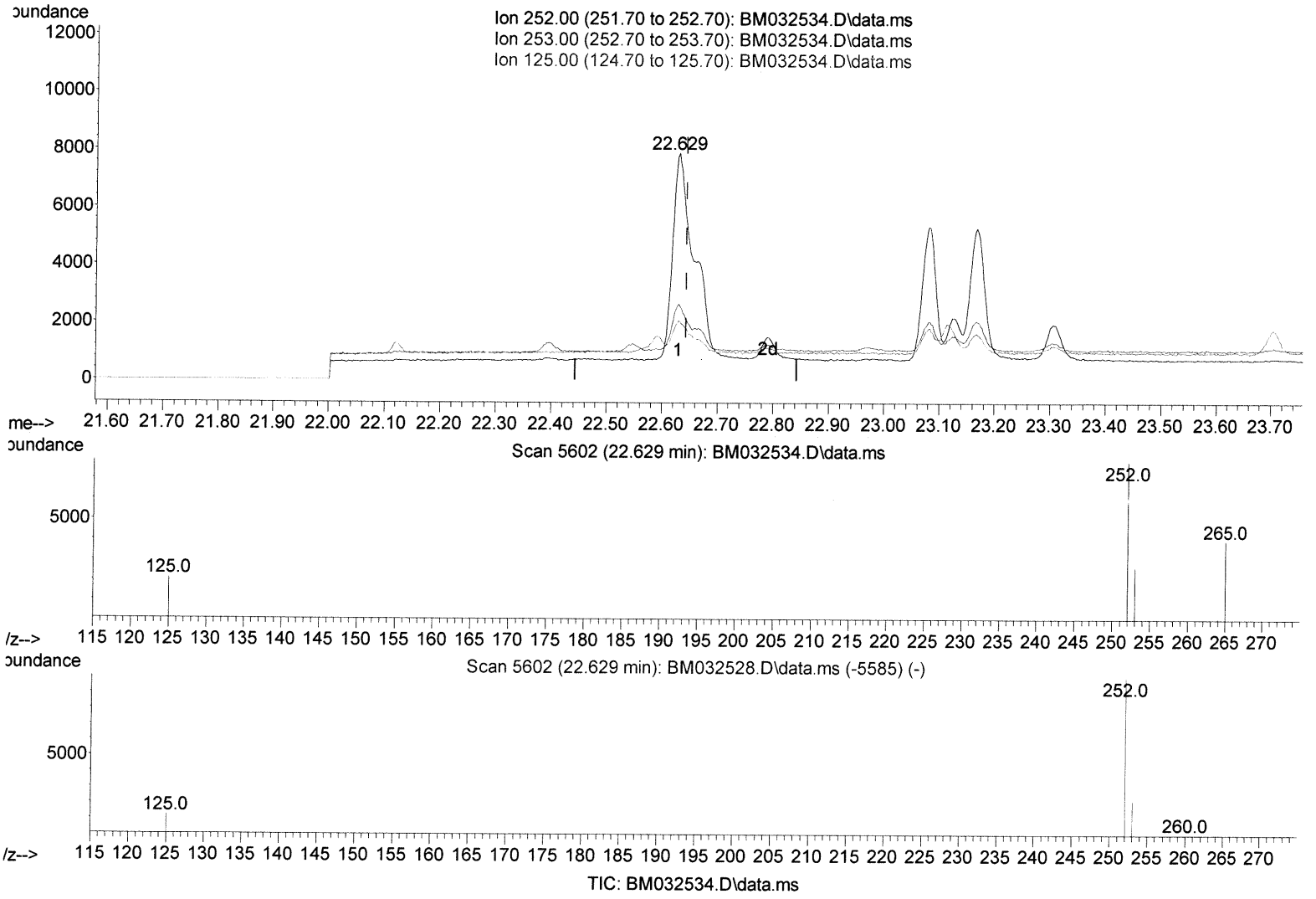
Ion	Exp%	Act%
202.00	100.00	100.00
101.00	15.40	16.29
100.00	12.60	13.54
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032534.D
Acq On : 15 Oct 2021 20:14
Operator : CG/JU
Sample : M4029-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Oct 18 04:07:48 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 :
C00S6

Manual Integrations APPROVED
mohammad
10/18/2021 12:41:50 PM



(24) Benzo(b)fluoranthene

22.629min (-0.014) 0.27 ng/ul

response 19613

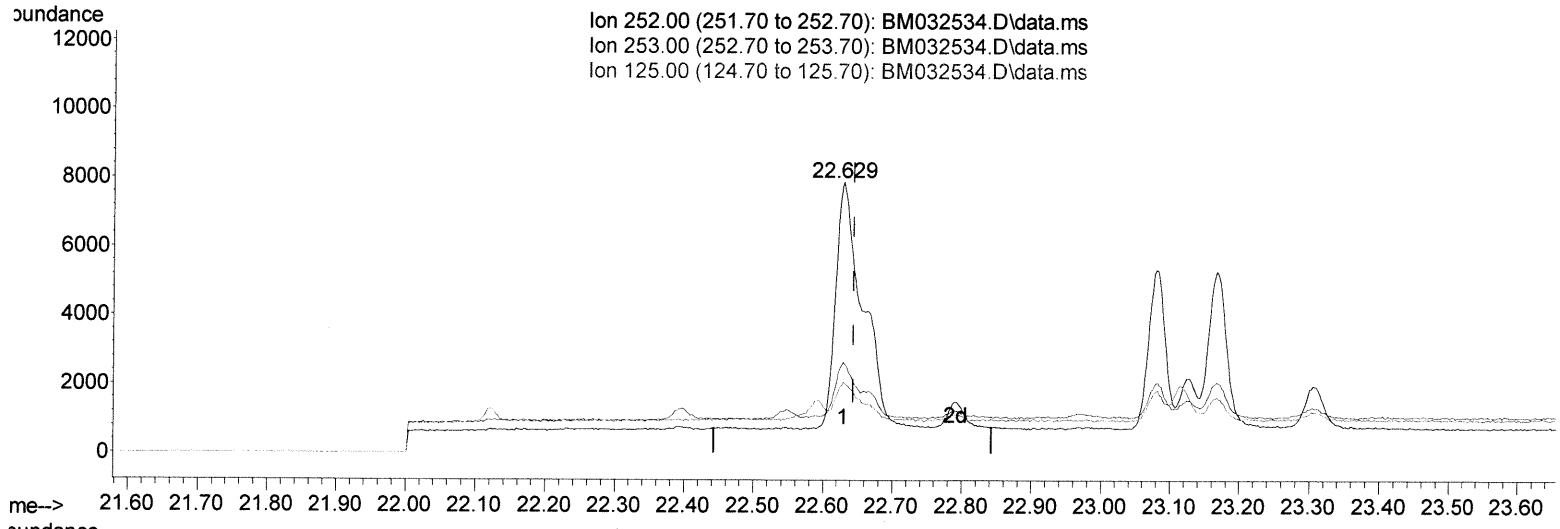
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.90	33.51
125.00	17.80	26.40
0.00	0.00	0.00

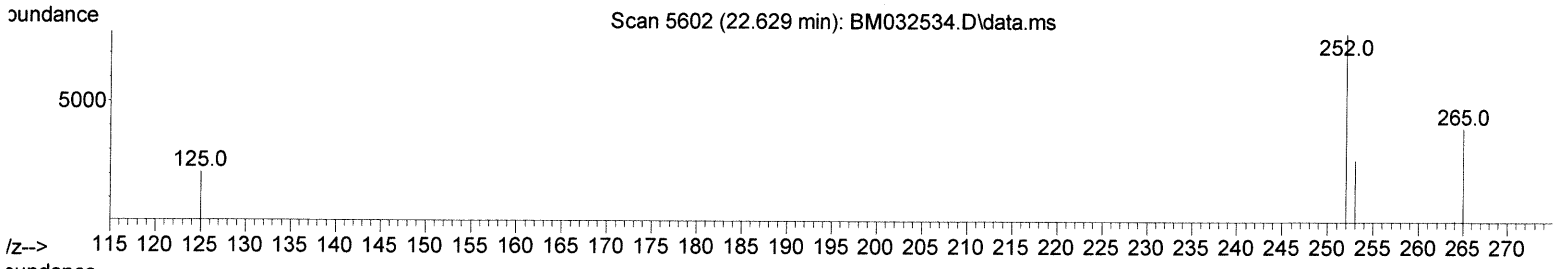
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032534.D
Acq On : 15 Oct 2021 20:14
Operator : CG/JU
Sample : M4029-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

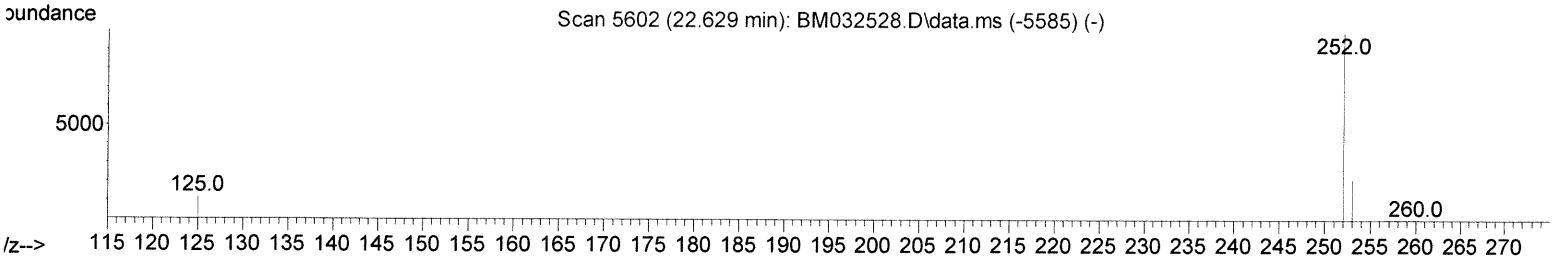
Quant Time: Oct 18 04:07:48 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM101421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 15 12:37:00 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00S6

Manual Integrations APPROVED
mohammad
10/18/2021 12:41:50 PM







TIC: BM032534.D\data.ms

(24) Benzo(b)fluoranthene

22.629min (-0.014) 0.20 ng/ul m

JC 10/19/21

response 14476

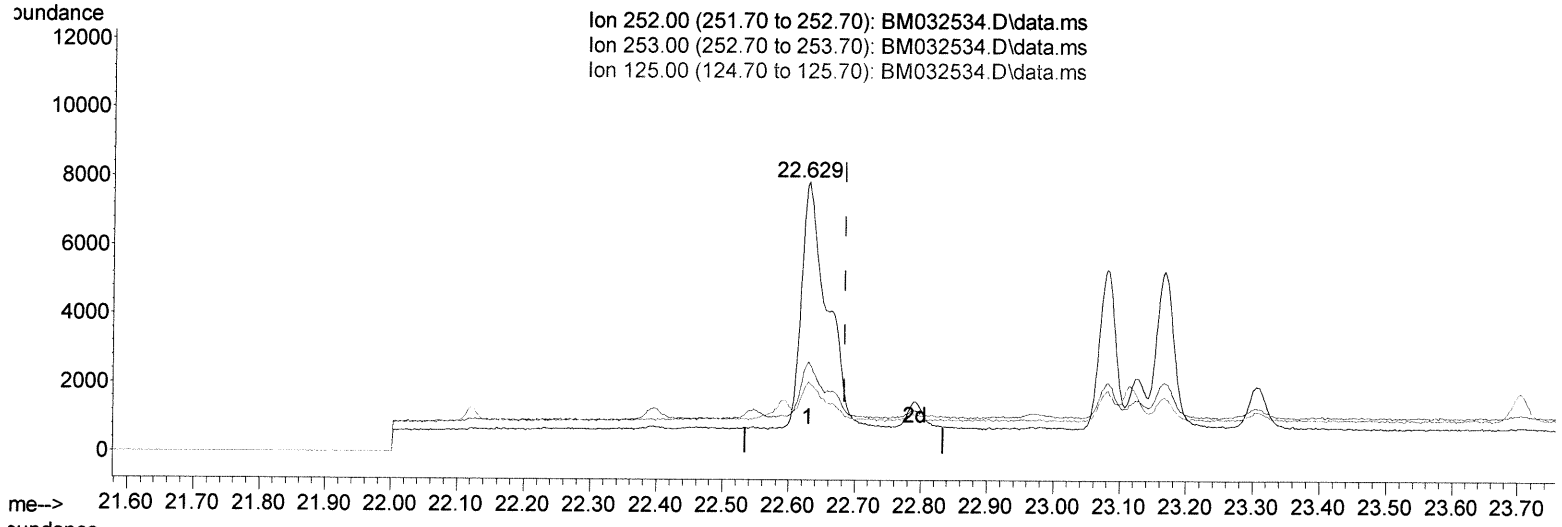
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.90	33.51
125.00	17.80	26.40
0.00	0.00	0.00

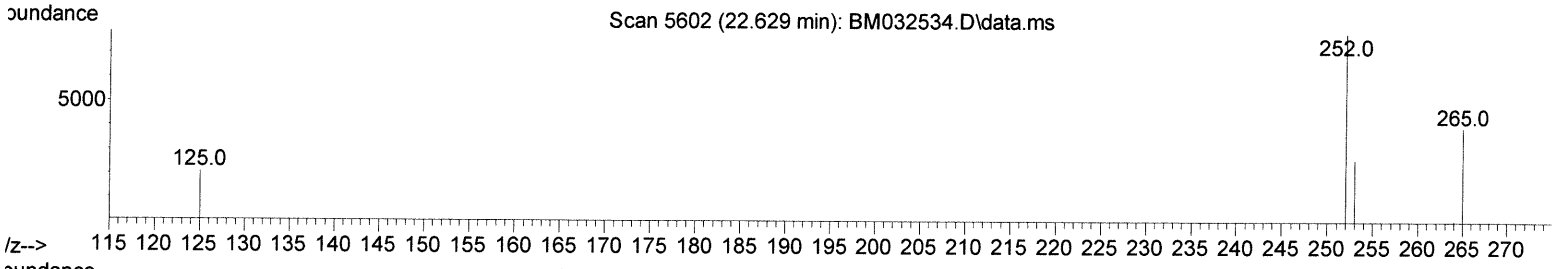
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032534.D
Acq On : 15 Oct 2021 20:14
Operator : CG/JU
Sample : M4029-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

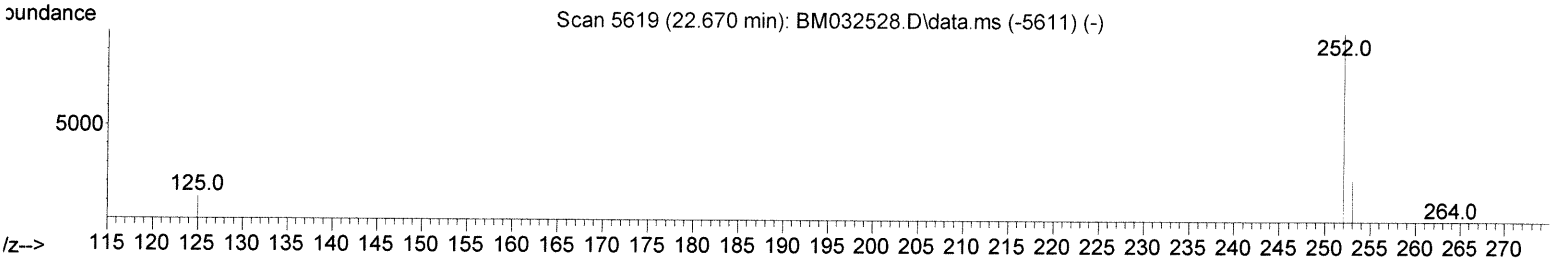
Quant Time: Oct 18 04:07:48 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM101421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 15 12:37:00 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00S6

Manual Integrations APPROVED
mohammad
10/18/2021 12:41:50 PM







TIC: BM032534.D\data.ms

(25) Benzo(k)fluoranthene

22.629min (-0.056) 0.27 ng/ul

response 19613

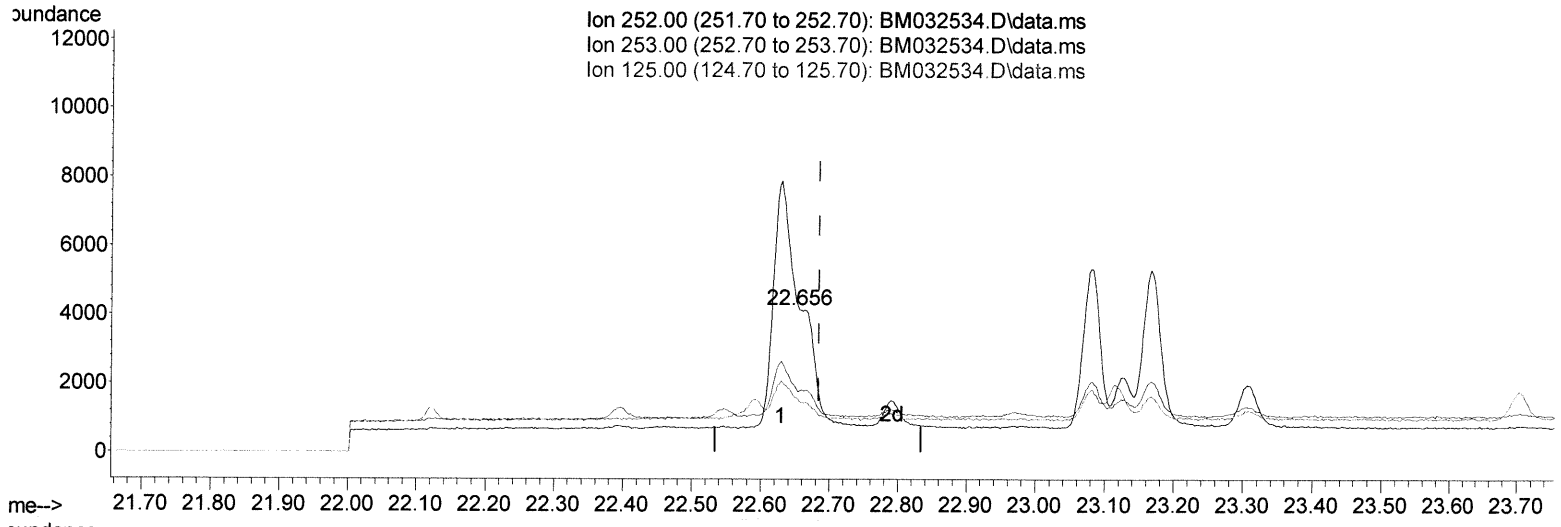
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	33.51#
125.00	18.00	26.40#
0.00	0.00	0.00

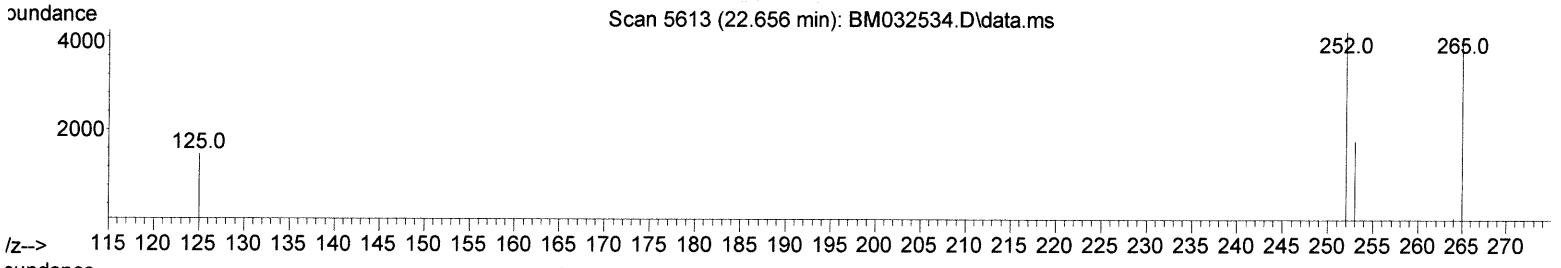
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032534.D
Acq On : 15 Oct 2021 20:14
Operator : CG/JU
Sample : M4029-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

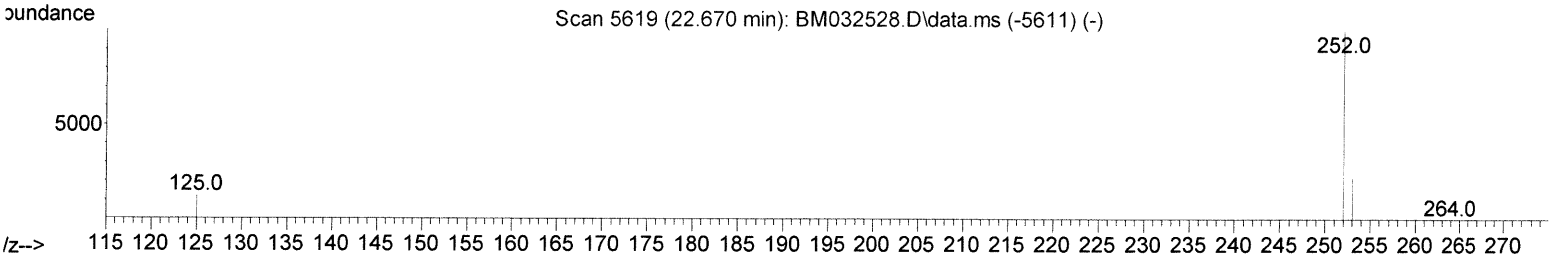
Quant Time: Oct 18 04:07:48 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM101421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 15 12:37:00 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00S6

Manual Integrations APPROVED
mohammad
10/18/2021 12:41:50 PM







TIC: BM032534.D\data.ms

(25) Benzo(k)fluoranthene

22.656min (-0.029) 0.07 ng/ul m JY 10/19/21

response 5094

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	42.93#
125.00	18.00	35.71#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032534.D
Acq On : 15 Oct 2021 20:14
Operator : CG/JU
Sample : M4029-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C00S6

Manual Integrations APPROVED
mohammad
10/18/2021 12:41:50 PM

Quant Time: Oct 18 04:07:48 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	7.557	152	6624	0.400	ng/ul	0.00
4) Naphthalene-d8	10.339	136	21644	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.213	164	11780	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.950	188	23774	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.125	240	18137	0.400	ng/ul	0.00
23) Perylene-d12	23.261	264	15663	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.920	96	17015	2.292	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.936	152	4020	0.139	ng/ul	0.00
18) Fluoranthene-d10	18.973	212	9017	0.158	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.389	128	3308	0.050	ng/ul#	93
7) 2-Methylnaphthalene	12.012	142	2417	0.056	ng/ul	100
8) 1-Methylnaphthalene	12.237	142	1505	0.035	ng/ul	98
15) Phenanthrene	16.988	178	11204	0.140	ng/ul	99
19) Fluoranthene	19.004	202	16954	0.189	ng/ul	99
20) Pyrene	19.366	202	17569m	0.190	ng/ul	99
21) Benzo(a)anthracene	21.109	228	6767	0.095	ng/ul	95
22) Chrysene	21.159	228	11050	0.142	ng/ul	97
24) Benzo(b)fluoranthene	22.629	252	14476m	0.200	ng/ul	100
25) Benzo(k)fluoranthene	22.656	252	5094m	0.071	ng/ul	100
26) Benzo(a)pyrene	23.167	252	8127	0.134	ng/ul#	81
27) Indeno(1,2,3-cd)pyrene	25.362	276	6030	0.081	ng/ul#	87
28) Dibenzo(a,h)anthracene	25.360	278	1324	0.023	ng/ul#	27
29) Benzo(g,h,i)perylene	26.009	276	6061	0.094	ng/ul	93

JU 10/19/21

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