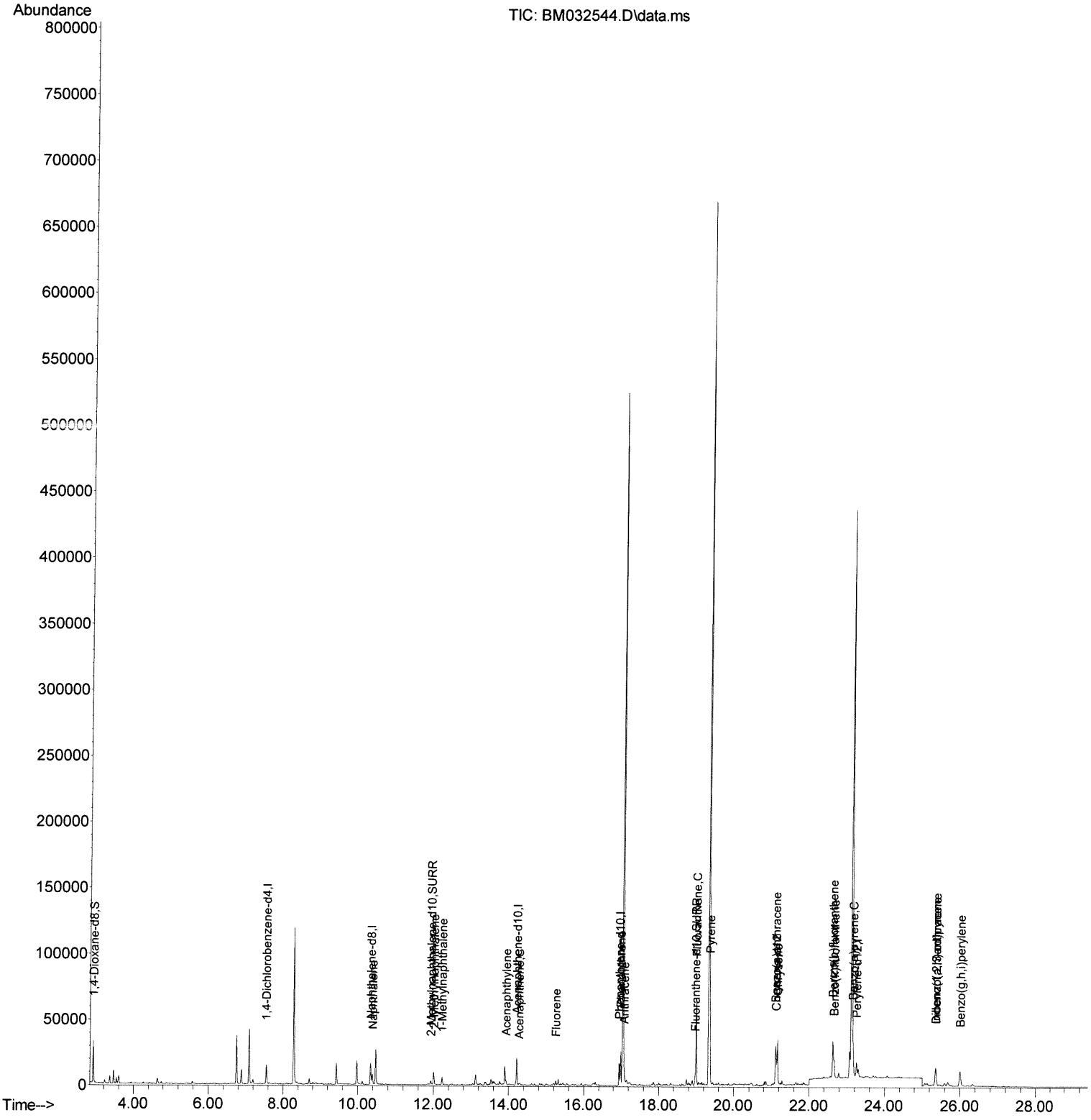
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032544.D
Acq On : 16 Oct 2021 02:20
Operator : CG/JU
Sample : M4029-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 18 04:10:42 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 :
C00R2

Manual Integrations APPROVED
mohammad
10/19/2021 12:07:34 PM



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032544.D
Acq On : 16 Oct 2021 02:20
Operator : CG/JU
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Manual Integrations APPROVED
mohammad
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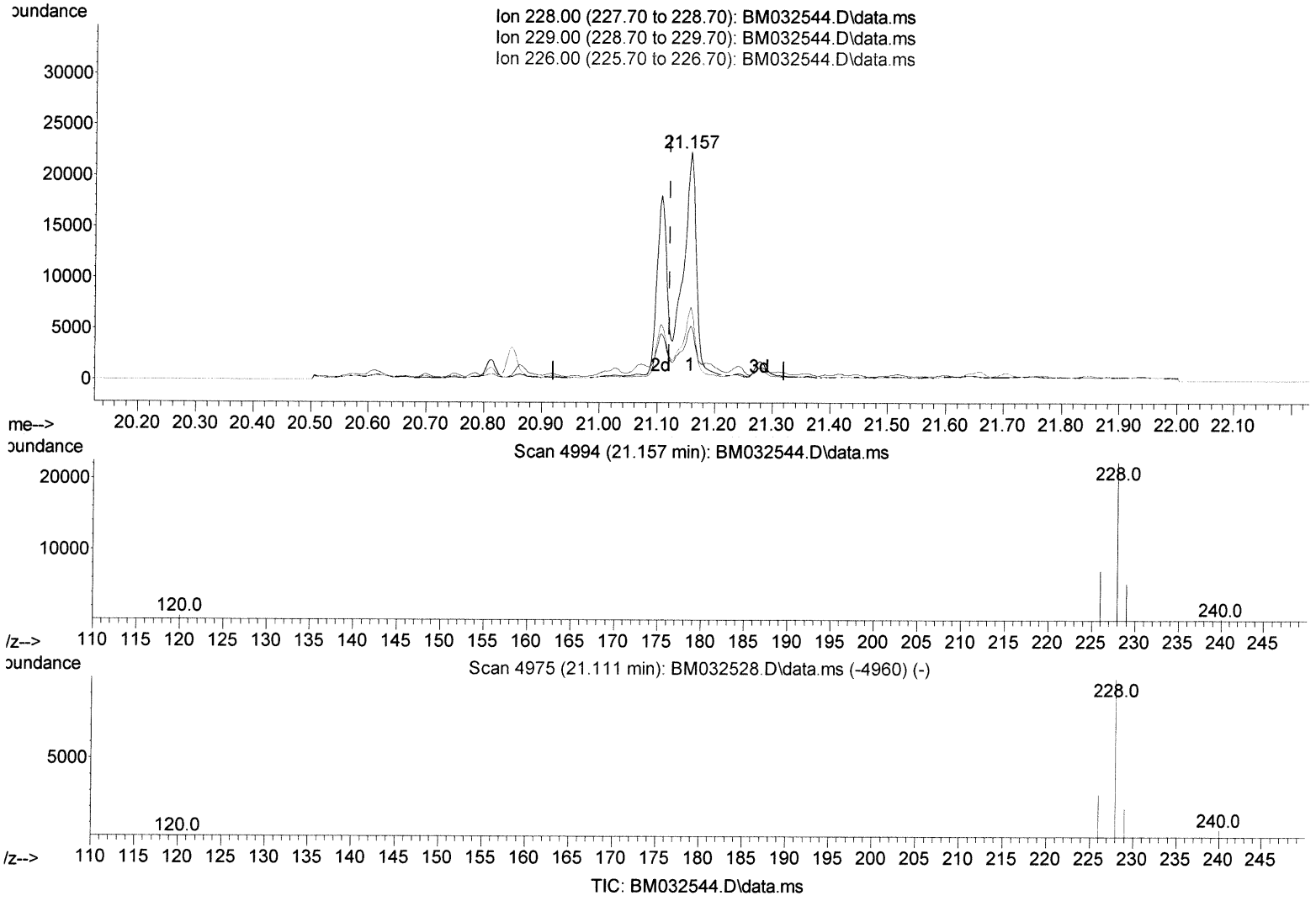

(21) Benzo(a)anthracene

21.157min (+ 0.036) 0.66 ng/ul

response 33559

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.90	23.78
226.00	28.00	31.89
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032544.D
Acq On : 16 Oct 2021 02:20
Operator : CG/JU
Sample : M4029-07
Misc :
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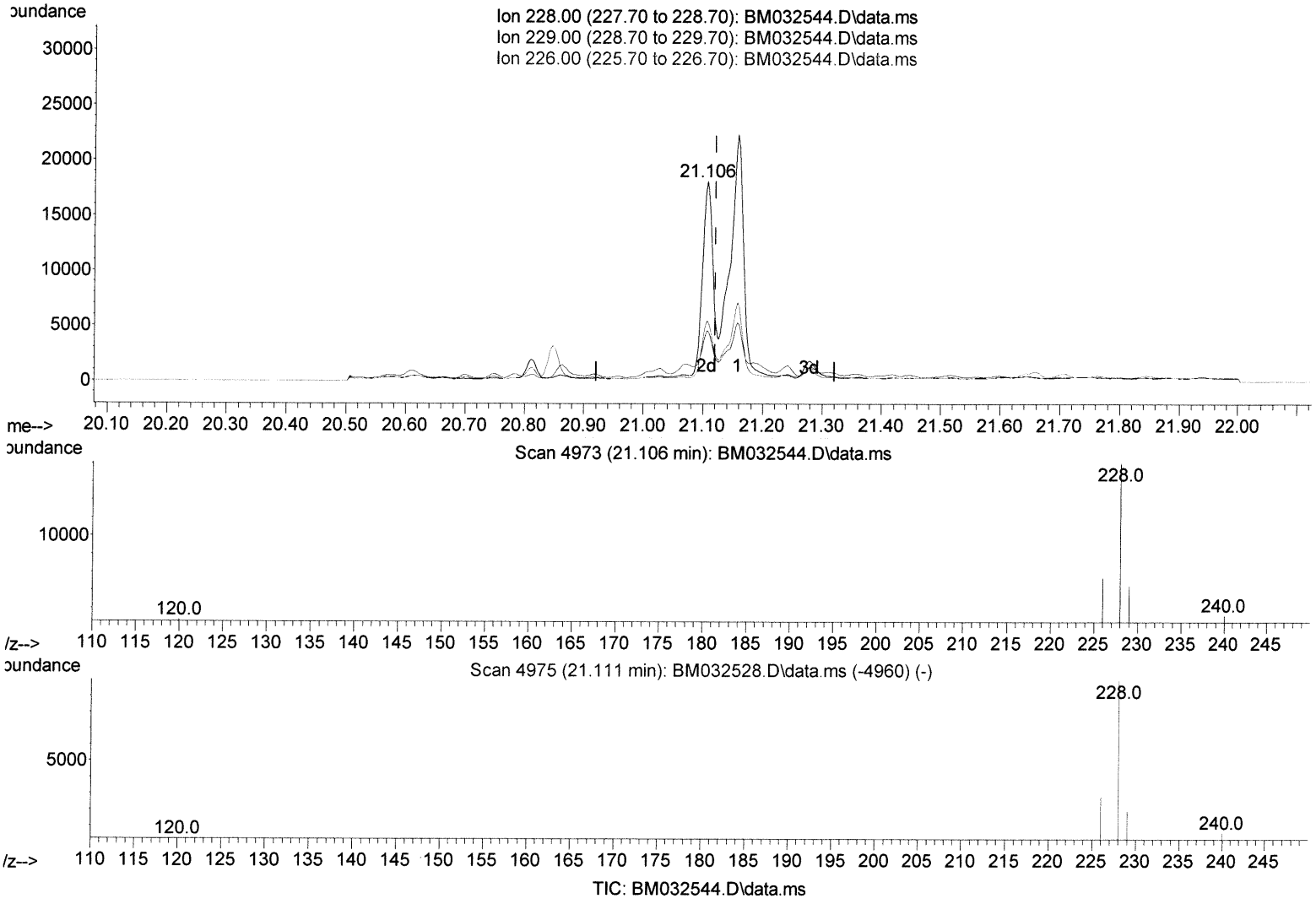
Instrument :
BNA_M
ClientSampleId :
C00R2

Manual Integrations APPROVED
mohammad
10/19/2021 12:07:34 PM



(21) Benzo(a)anthracene

21.106min (-0.014) 0.42 ng/ul m

JG 10/19/21

response 21474

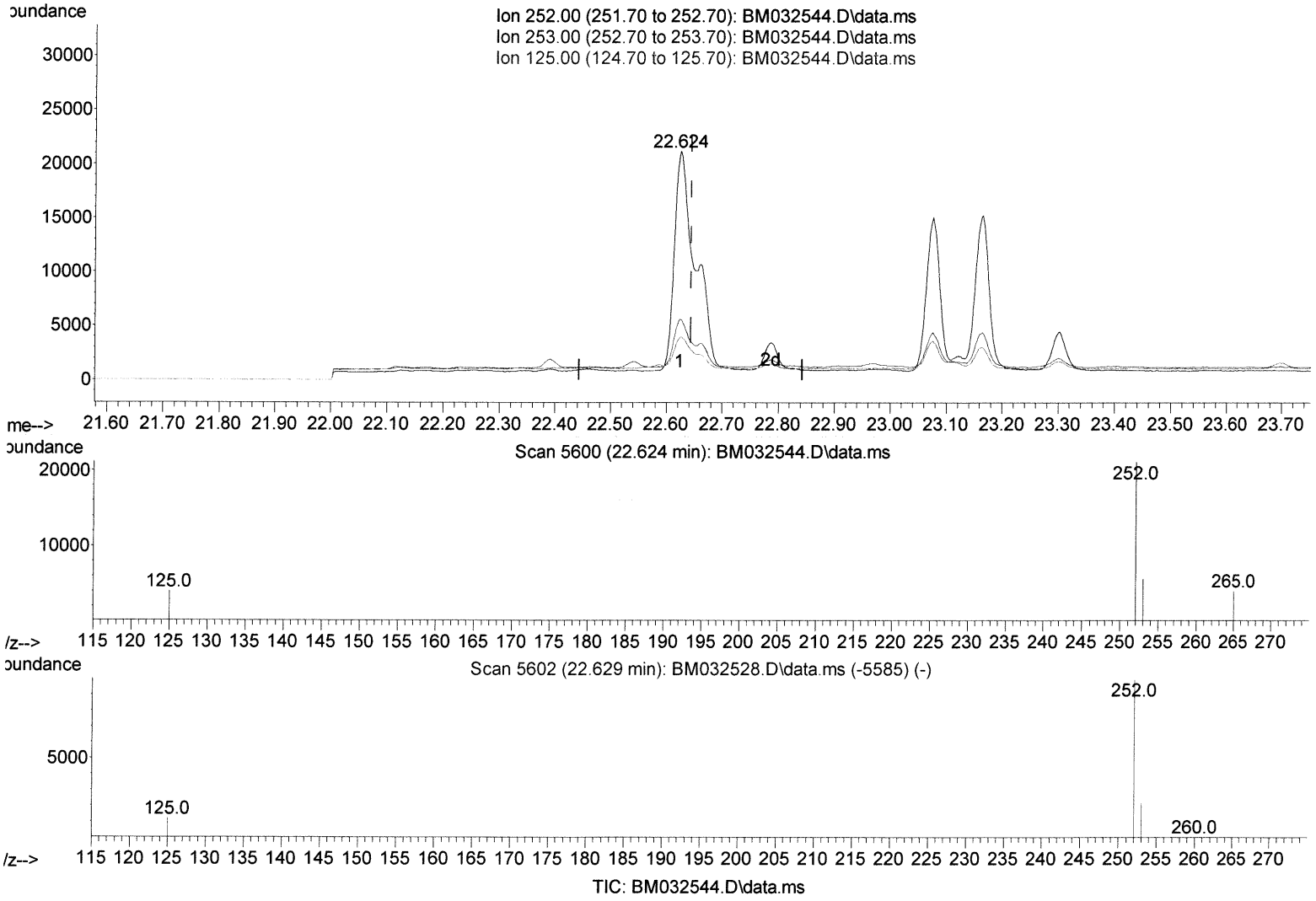
Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.90	25.13#
226.00	28.00	30.16
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032544.D
Acq On : 16 Oct 2021 02:20
Operator : CG/JU
Sample : M4029-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Oct 18 04:10:42 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 :
C00R2

Manual Integrations APPROVED
mohammad
10/19/2021 12:07:34 PM



(24) Benzo(b)fluoranthene

22.624min (-0.019) 0.86 ng/ul

response 53958

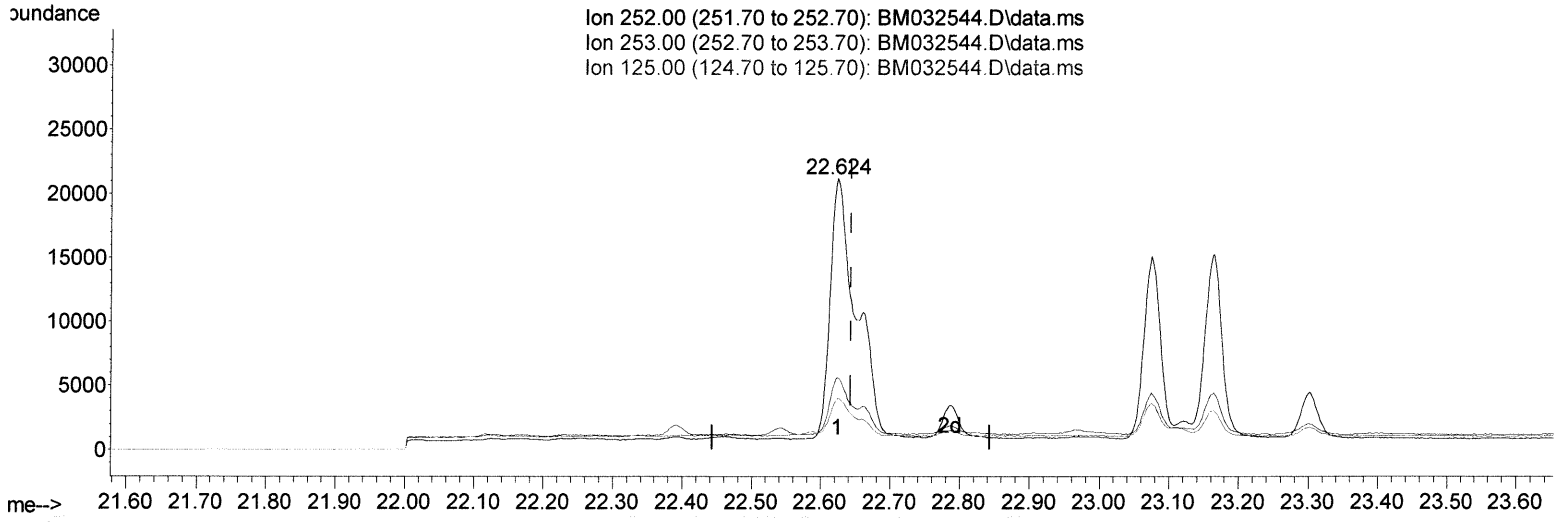
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.90	26.64
125.00	17.80	18.87
0.00	0.00	0.00

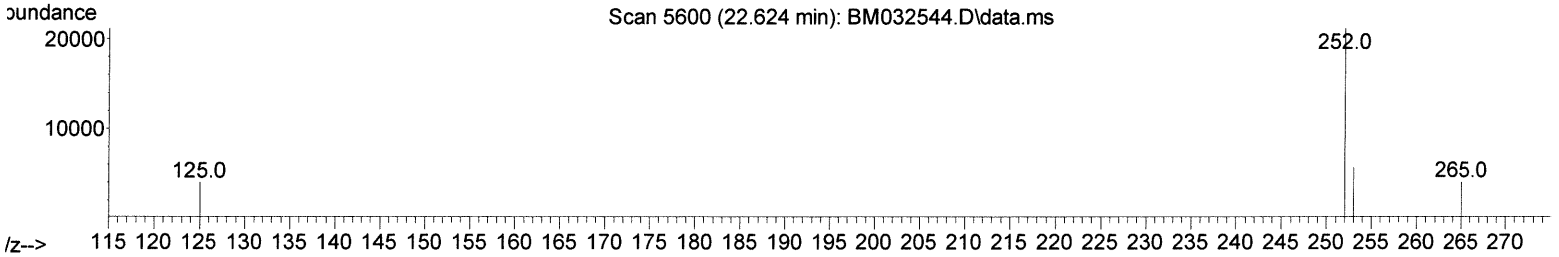
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032544.D
Acq On : 16 Oct 2021 02:20
Operator : CG/JU
Sample : M4029-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

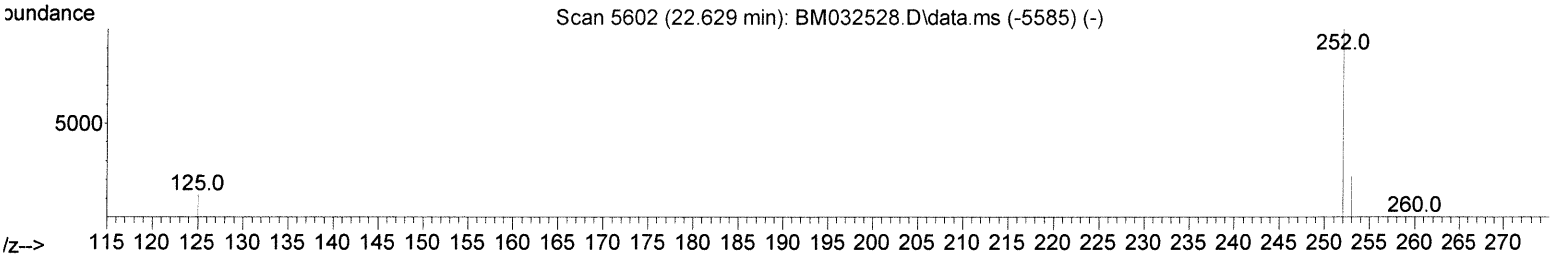
Quant Time: Oct 18 04:10:42 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM101421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 15 12:37:00 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00R2

Manual Integrations APPROVED
mohammad
10/19/2021 12:07:34 PM







TIC: BM032544.D\data.ms

(24) Benzo(b)fluoranthene

22.624min (-0.019) 0.66 ng/ul m JG 10/19/21

response 41402

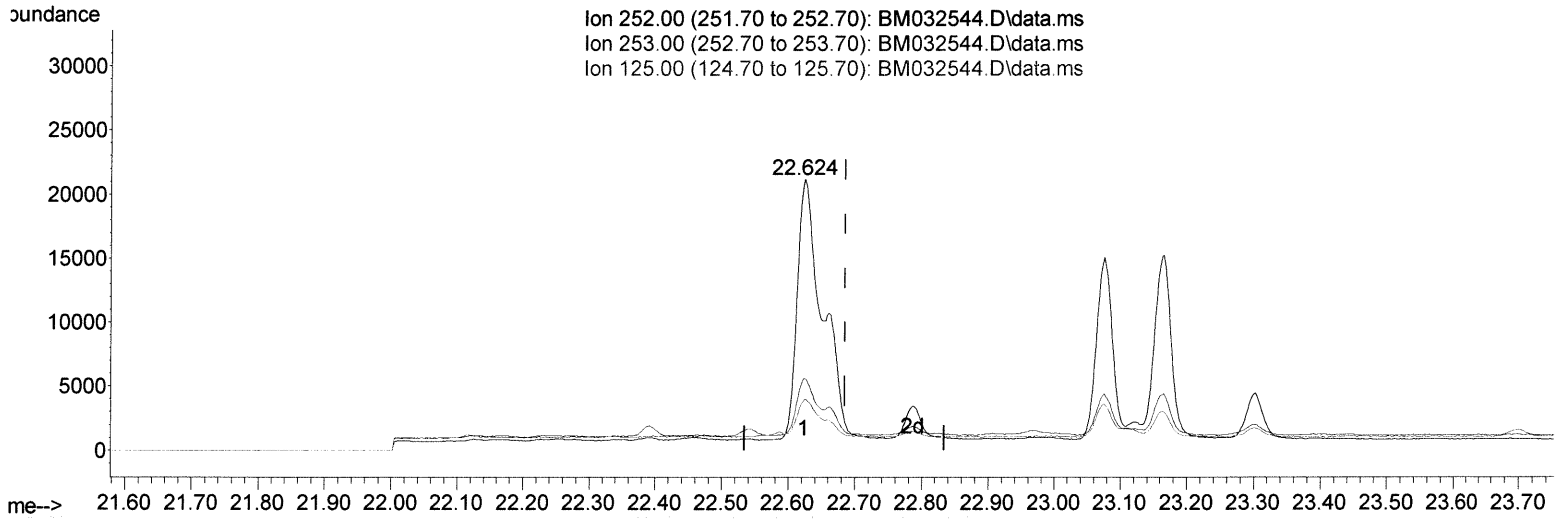
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.90	26.64
125.00	17.80	18.87
0.00	0.00	0.00

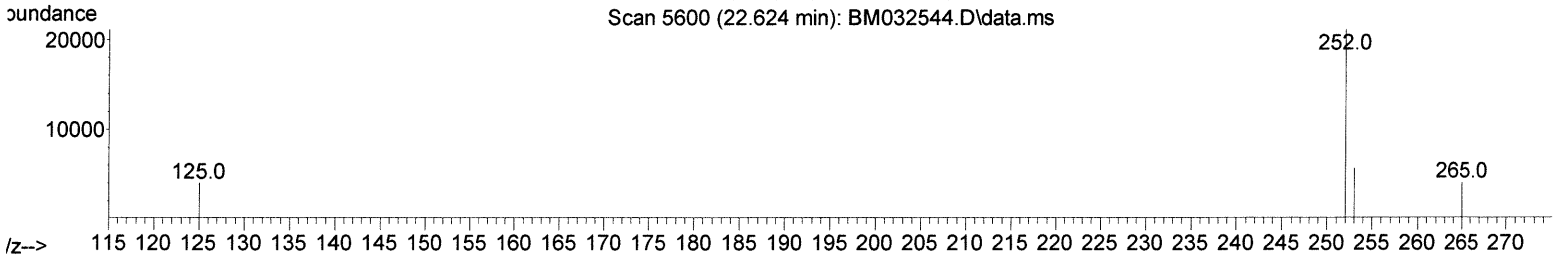
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032544.D
Acq On : 16 Oct 2021 02:20
Operator : CG/JU
Sample : M4029-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

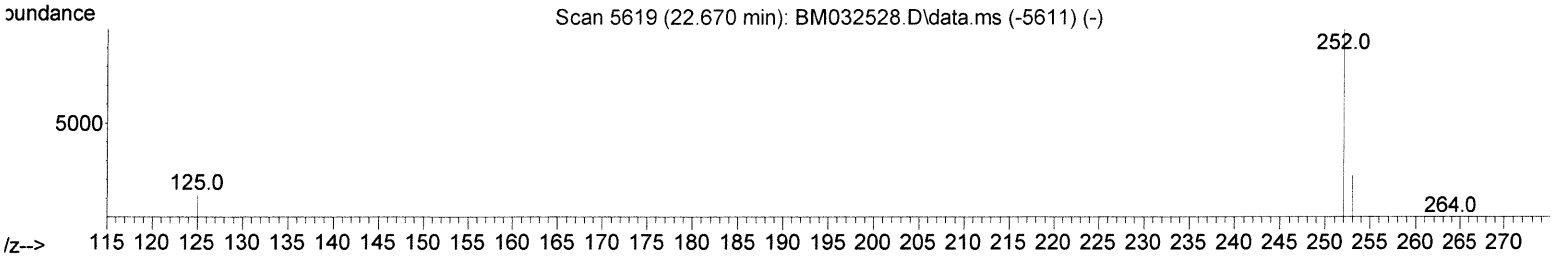
Quant Time: Oct 18 04:10:42 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM101421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 15 12:37:00 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00R2

Manual Integrations APPROVED
mohammad
10/19/2021 12:07:34 PM







TIC: BM032544.D\data.ms

(25) Benzo(k)fluoranthene

22.624min (-0.061) 0.87 ng/ul

response 53958

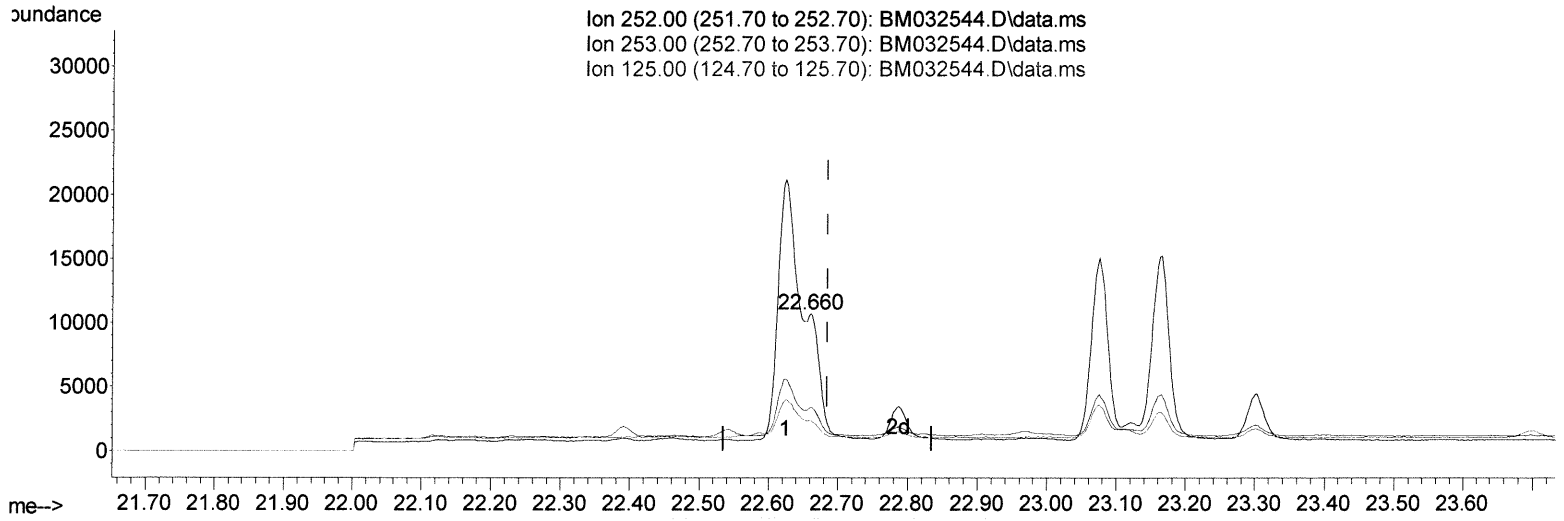
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	26.64
125.00	18.00	18.87
0.00	0.00	0.00

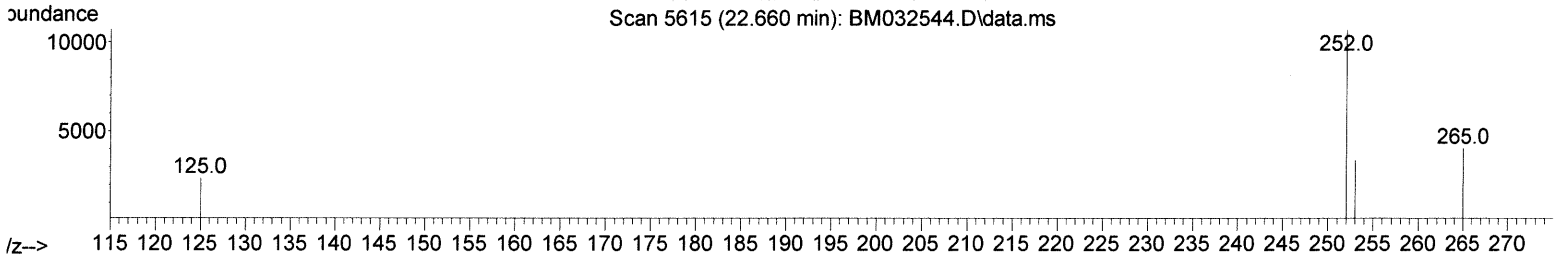
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032544.D
Acq On : 16 Oct 2021 02:20
Operator : CG/JU
Sample : M4029-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

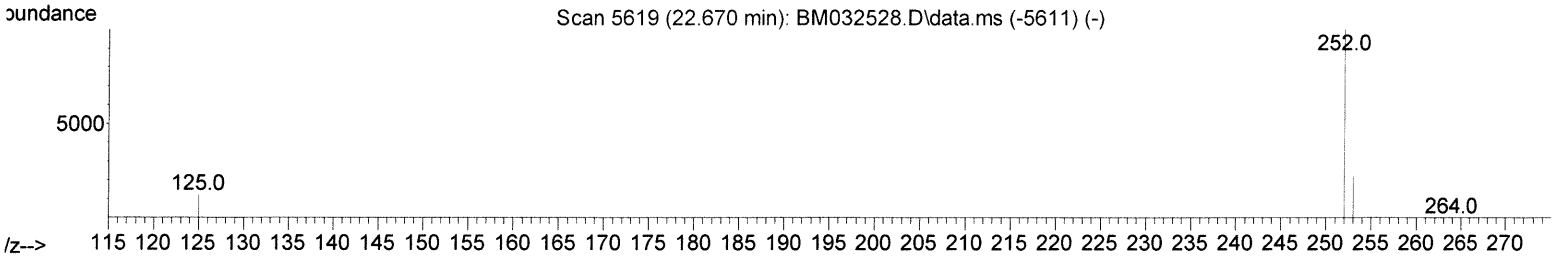
Quant Time: Oct 18 04:10:42 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM101421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 15 12:37:00 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00R2

Manual Integrations APPROVED
mohammad
10/19/2021 12:07:34 PM







TIC: BM032544.D\data.ms

(25) Benzo(k)fluoranthene

22.660min (-0.024) 0.21 ng/ul m

response 12846

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Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	31.74
125.00	18.00	22.05#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032544.D
Acq On : 16 Oct 2021 02:20
Operator : CG/JU
Sample : M4029-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C00R2

Manual Integrations APPROVED
mohammad
10/19/2021 12:07:34 PM

Quant Time: Oct 18 04:10:42 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	7210	0.400	ng/ul	0.00
4) Naphthalene-d8	10.339	136	21746	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.209	164	10500	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.946	188	18357	0.400	ng/ul	0.00
17) Chrysene-d12	21.123	240	13084	0.400	ng/ul	-0.01
23) Perylene-d12	23.256	264	13557	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.923	96	18775	2.323	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.936	152	4095	0.141	ng/ul	0.00
18) Fluoranthene-d10	18.973	212	7280	0.177	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.389	128	10737	0.163	ng/ul	99
7) 2-Methylnaphthalene	12.008	142	7238	0.168	ng/ul	99
8) 1-Methylnaphthalene	12.233	142	4274	0.100	ng/ul	100
10) Acenaphthylene	13.928	152	3761	0.084	ng/ul	95
11) Acenaphthene	14.274	153	911	0.022	ng/ul	93
12) Fluorene	15.260	166	1666	0.036	ng/ul#	85
15) Phenanthrene	16.988	178	25939	0.420	ng/ul	100
16) Anthracene	17.078	178	4131	0.076	ng/ul#	94
19) Fluoranthene	19.004	202	52146	0.806	ng/ul	99
20) Pyrene	19.366	202	49151	0.738	ng/ul	99
21) Benzo(a)anthracene	21.106	228	21474m	0.420	ng/ul	96
22) Chrysene	21.157	228	33736	0.600	ng/ul#	96
24) Benzo(b)fluoranthene	22.624	252	41402m	0.661	ng/ul	96
25) Benzo(k)fluoranthene	22.660	252	12846m	0.206	ng/ul	96
26) Benzo(a)pyrene	23.164	252	24692	0.470	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	25.355	276	20070	0.313	ng/ul#	89
28) Dibenzo(a,h)anthracene	25.355	278	5169	0.102	ng/ul#	70
29) Benzo(g,h,i)perylene	26.002	276	20524	0.367	ng/ul	98

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