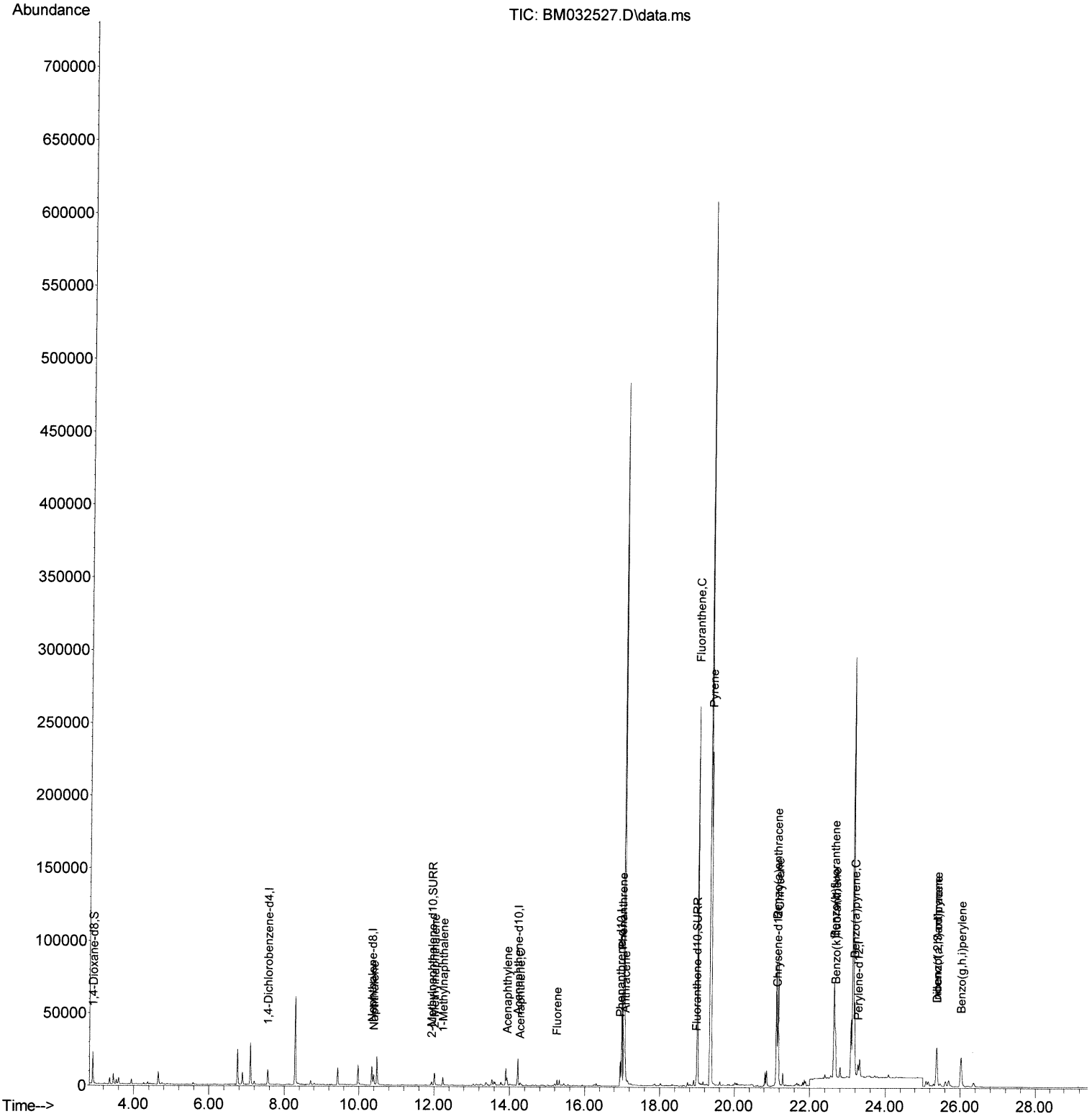
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032527.D
Acq On : 15 Oct 2021 15:56
Operator : CG/JU
Sample : M4029-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 16:48:34 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 :
C00R0

Manual Integrations APPROVED
mohammad
10/18/2021 12:41:26 PM



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032527.D
Acq On : 15 Oct 2021 15:56
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Manual Integrations APPROVED
mohammad
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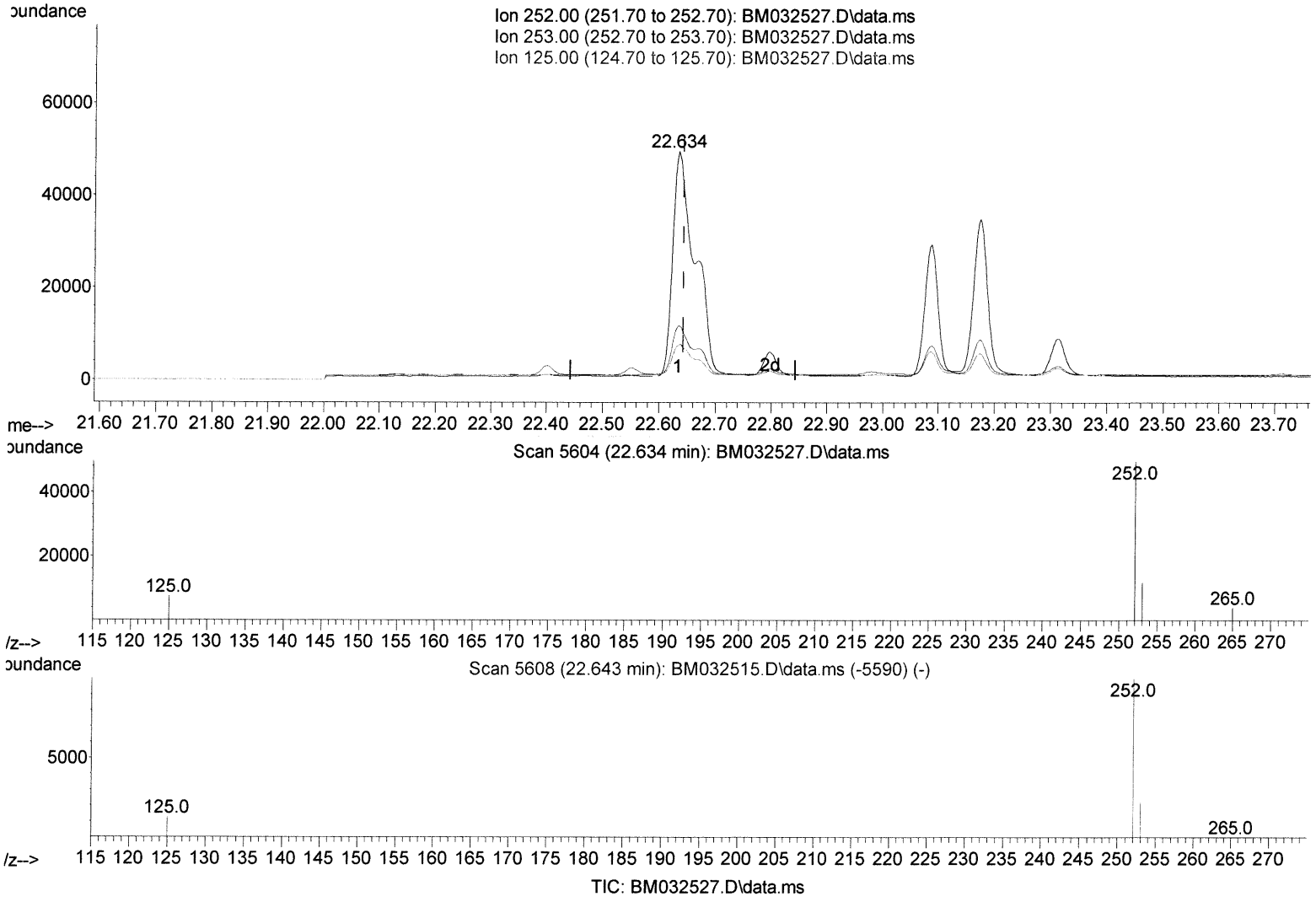

(24) Benzo(b)fluoranthene

22.634min (-0.010) 2.94 ng/ul

response 134996

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.90	23.81
125.00	17.80	15.09
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 16:48:34 2021
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ClientSampleId :
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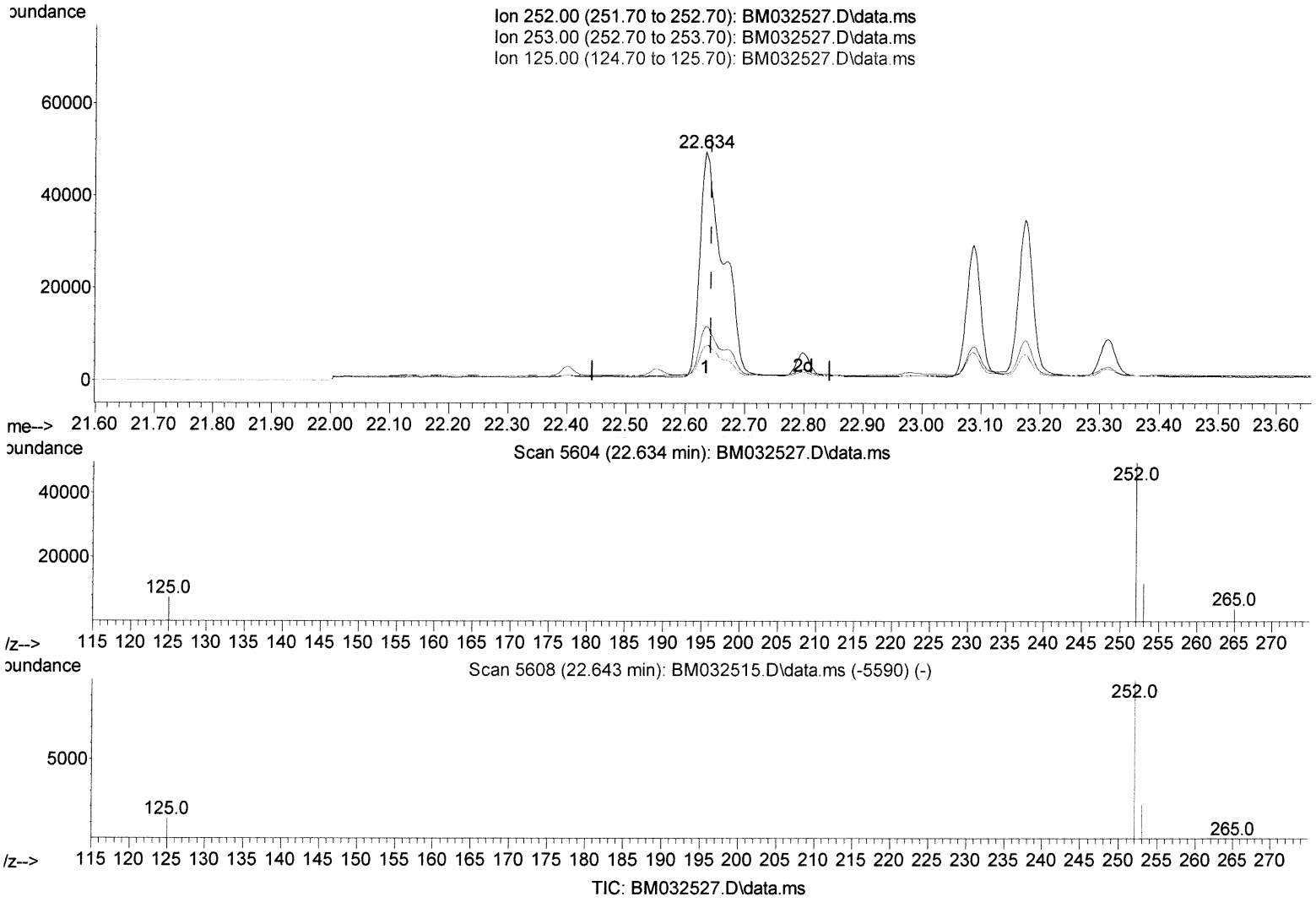
Manual Integrations APPROVED
mohammad
10/18/2021 12:41:26 PM



(24) Benzo(b)fluoranthene

22.634min (-0.010) 2.15 ng/ul m

JU 10/19/21

response 98764

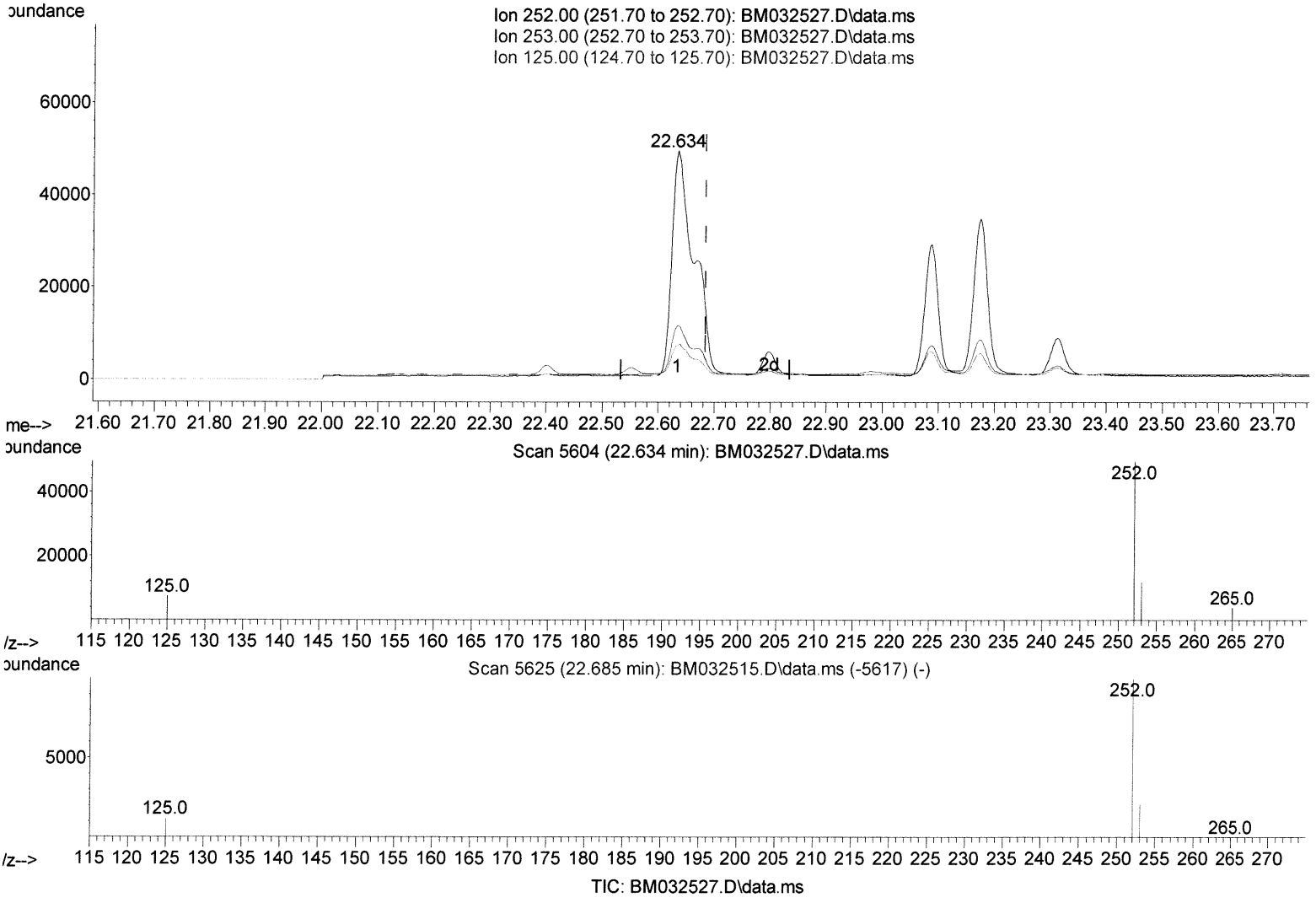
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.90	23.81
125.00	17.80	15.09
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032527.D
Acq On : 15 Oct 2021 15:56
Operator : CG/JU
Sample : M4029-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 16:48:34 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 :
C00R0

Manual Integrations APPROVED
mohammad
10/18/2021 12:41:26 PM



(25) Benzo(k)fluoranthene

22.634min (-0.051) 2.96 ng/ul

response 134996

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	23.81
125.00	18.00	15.09
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032527.D
Acq On : 15 Oct 2021 15:56
Operator : CG/JU
Sample : M4029-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 16:48:34 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM101421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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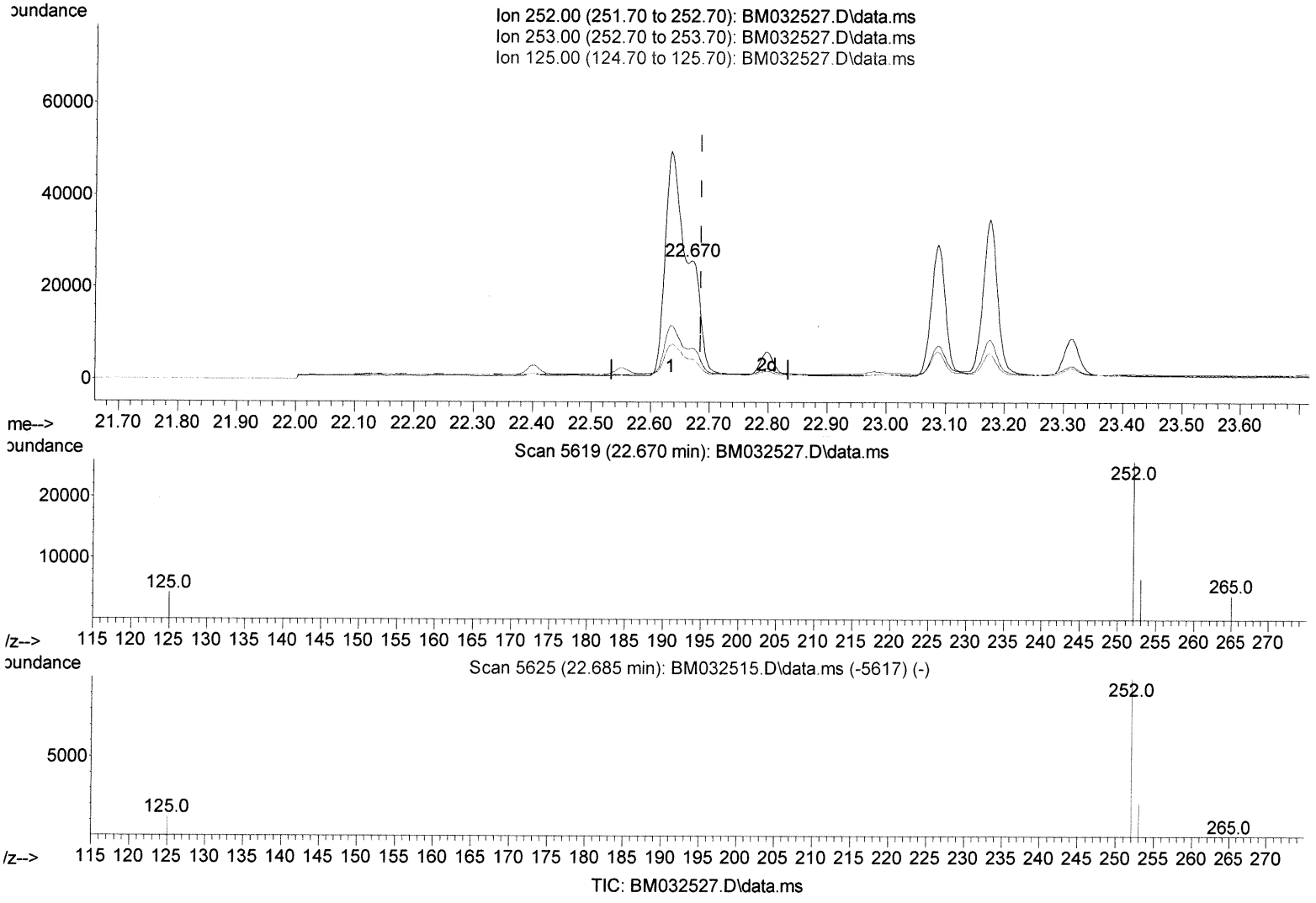
Instrument :
BNA_M
ClientSampleId :
C00R0

Manual Integrations APPROVED
mohammad
10/18/2021 12:41:26 PM



(25) Benzo(k)fluoranthene

22.670min (-0.014) 0.87 ng/ul m

response 39733

JG 10/19/21

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	26.06
125.00	18.00	16.94
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032527.D
Acq On : 15 Oct 2021 15:56
Operator : CG/JU
Sample : M4029-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 16:48:34 2021
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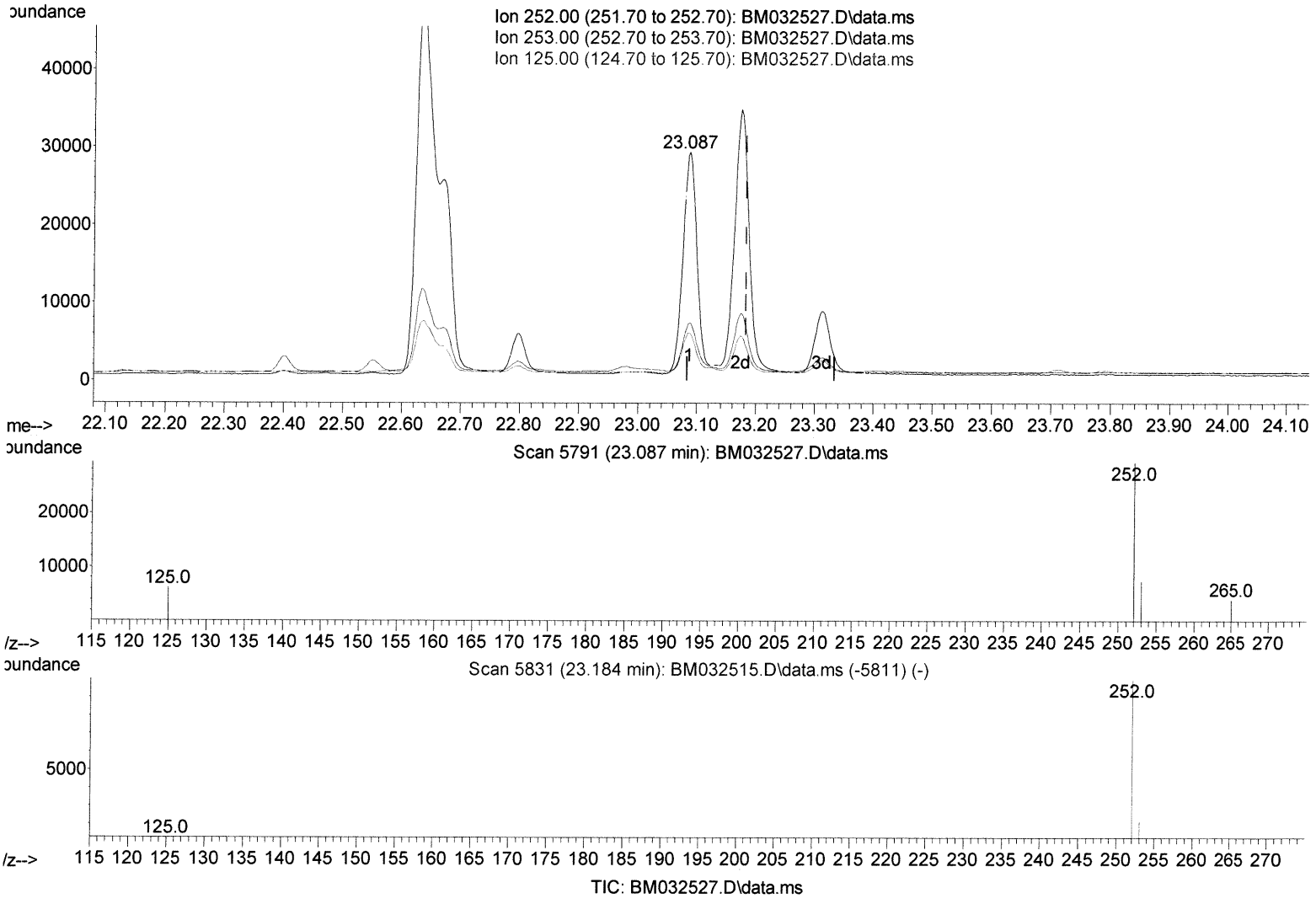
Instrument :
BNA_M
ClientSampleId :
C00R0

Manual Integrations APPROVED
mohammad
10/18/2021 12:41:26 PM



(26) Benzo(a)pyrene (C)

23.087min (-0.097) 0.80 ng/ul

response 30942

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	29.50	25.23
125.00	21.40	20.94
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032527.D
Acq On : 15 Oct 2021 15:56
Operator : CG/JU
Sample : M4029-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 15 16:48:34 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
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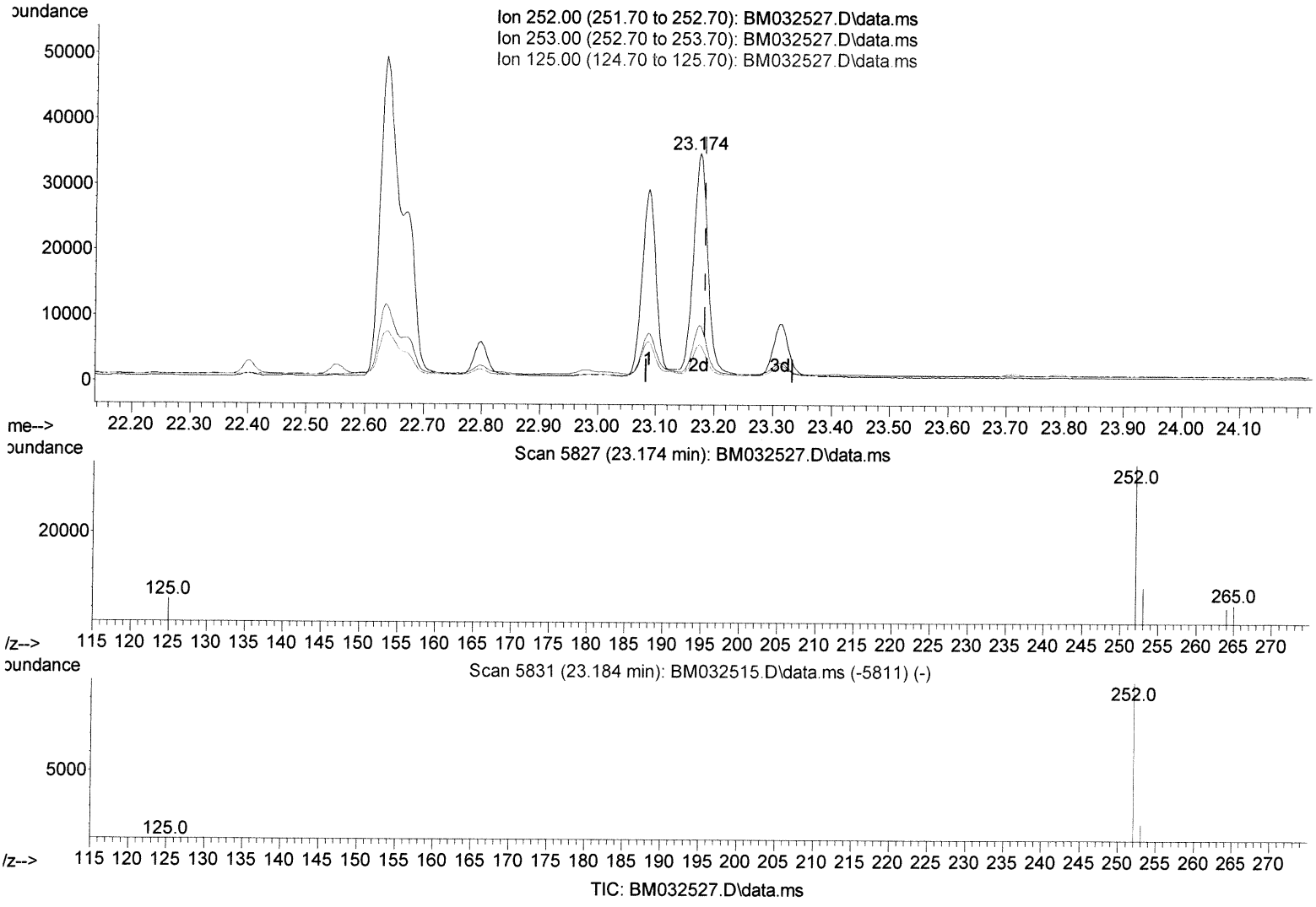
Instrument :
BNA_M
ClientSampleId :
C00R0

Manual Integrations APPROVED
mohammad
10/18/2021 12:41:26 PM



(26) Benzo(a)pyrene (C)

23.174min (-0.010) 1.49 ng/ul m

response 57109

JJU 10/19/21

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	29.50	24.82
125.00	21.40	16.52#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032527.D
Acq On : 15 Oct 2021 15:56
Operator : CG/JU
Sample : M4029-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C00R0

Manual Integrations APPROVED
mohammad
10/18/2021 12:41:26 PM

Quant Time: Oct 15 16:48:34 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM101421.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.556	152	5491	0.400	ng/ul	0.00
4) Naphthalene-d8	10.344	136	17832	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.217	164	9691	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.950	188	19267	0.400	ng/ul	0.00
17) Chrysene-d12	21.128	240	13736	0.400	ng/ul	0.00
23) Perylene-d12	23.269	264	9927	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.923	96	13662	2.220	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.940	152	3252	0.137	ng/ul	0.00
18) Fluoranthene-d10	18.977	212	6728	0.156	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.393	128	9609	0.178	ng/ul	99
7) 2-Methylnaphthalene	12.012	142	6815	0.193	ng/ul	100
8) 1-Methylnaphthalene	12.237	142	4085	0.117	ng/ul	100
10) Acenaphthylene	13.933	152	5631	0.136	ng/ul	97
11) Acenaphthene	14.278	153	1265	0.034	ng/ul	95
12) Fluorene	15.263	166	2580	0.061	ng/ul#	93
15) Phenanthrene	16.991	178	65184	1.006	ng/ul	99
16) Anthracene	17.081	178	9900	0.174	ng/ul	98
19) Fluoranthene	19.008	202	203523	2.995	ng/ul	99
20) Pyrene	19.370	202	173538	2.484	ng/ul	99
21) Benzo(a)anthracene	21.113	228	67827	1.263	ng/ul	99
22) Chrysene	21.164	228	87912	1.489	ng/ul	98
24) Benzo(b)fluoranthene	22.634	252	98764m	2.153	ng/ul	
25) Benzo(k)fluoranthene	22.670	252	39733m	0.870	ng/ul	
26) Benzo(a)pyrene	23.174	252	57109m	1.485	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.374	276	40763	0.867	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.374	278	8925	0.241	ng/ul#	91
29) Benzo(g,h,i)perylene	26.019	276	38600	0.942	ng/ul	99

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