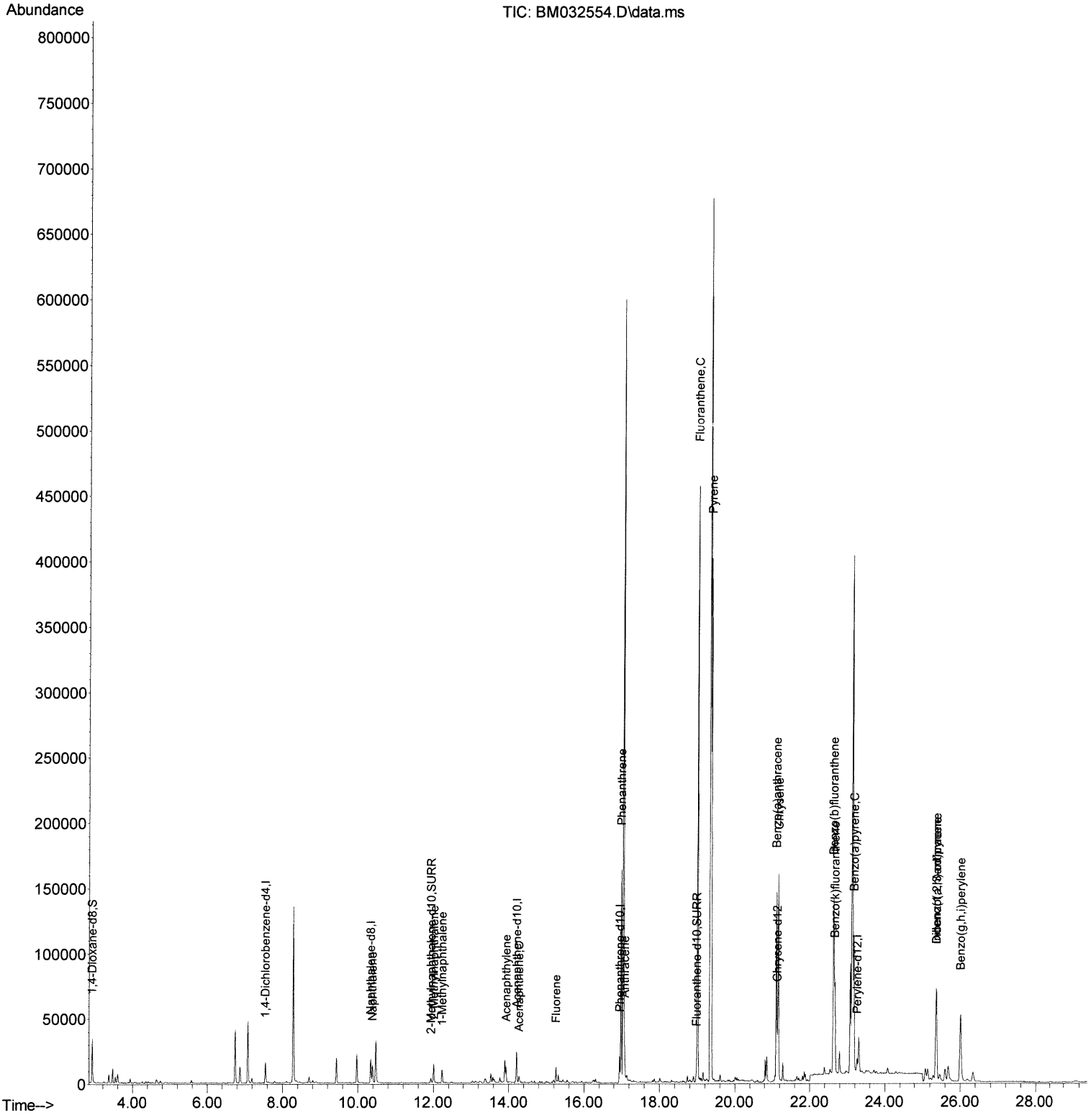
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032554.D
Acq On : 16 Oct 2021 08:59
Operator : CG/JU
Sample : M4029-19
Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Oct 18 05:28:20 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 :
C00T0

Manual Integrations APPROVED
mohammad
10/19/2021 12:07:47 PM

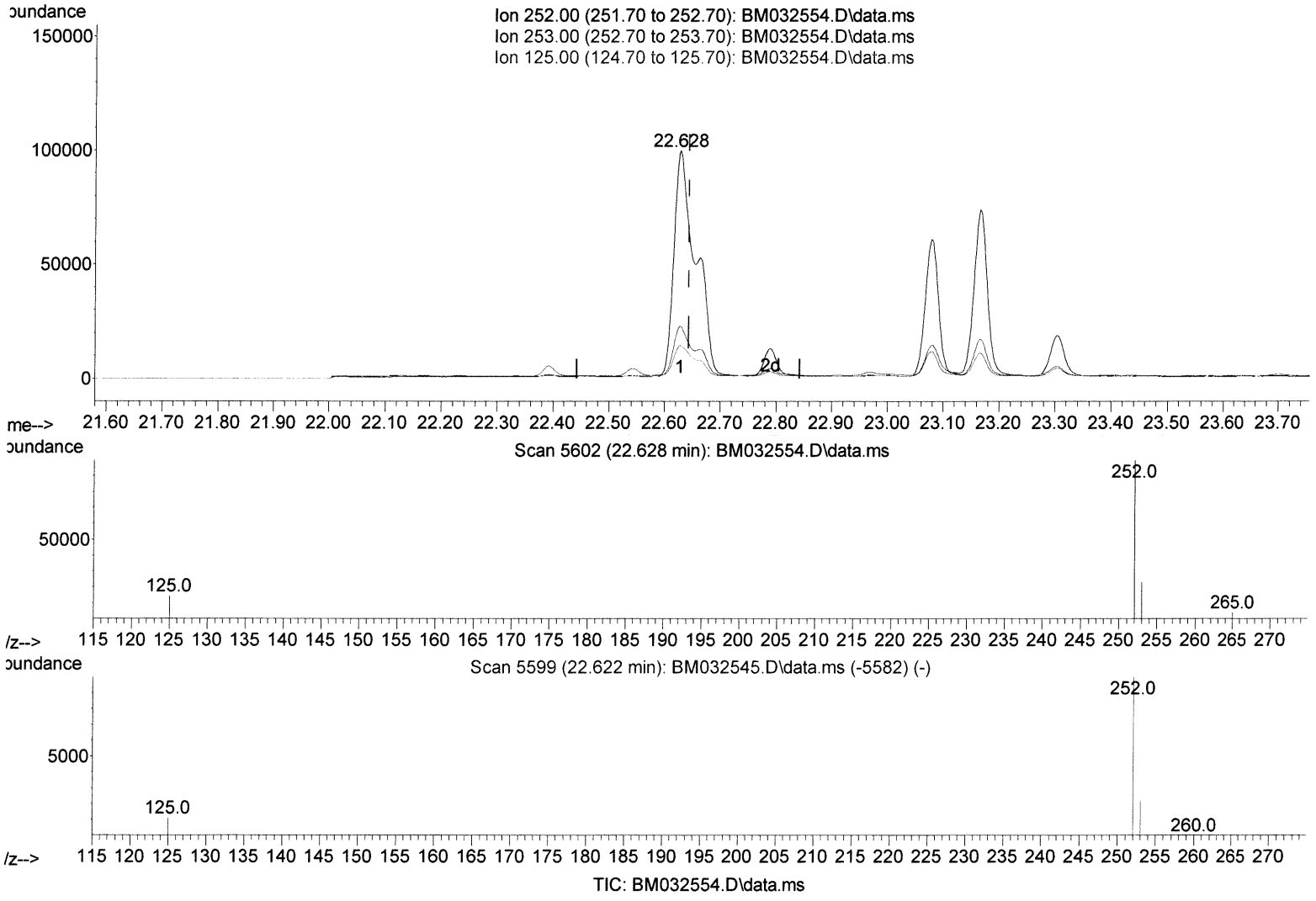


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032554.D
Acq On : 16 Oct 2021 08:59
Operator : CG/JU
Sample : M4029-19
Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Oct 18 05:28:20 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 :
C00T0

Manual Integrations APPROVED
mohammad
10/19/2021 12:07:47 PM



(24) Benzo(b)fluoranthene

22.628min (-0.015) 4.73 ng/ul

response 270690

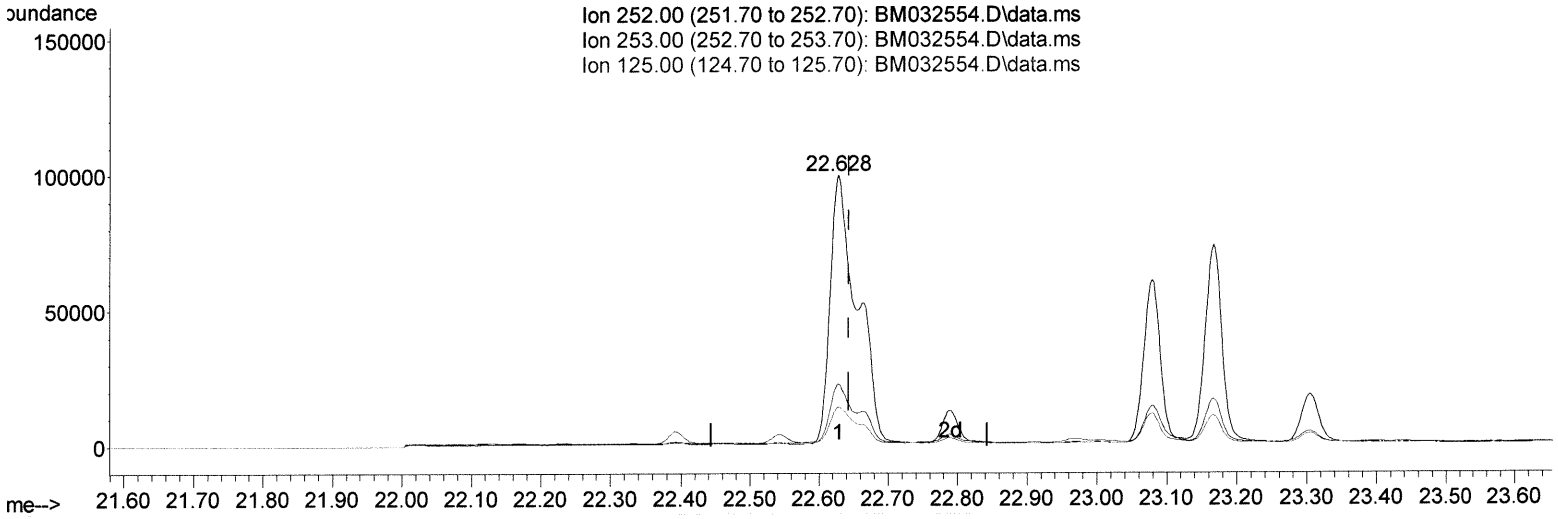
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.90	23.02
125.00	17.80	14.44
0.00	0.00	0.00

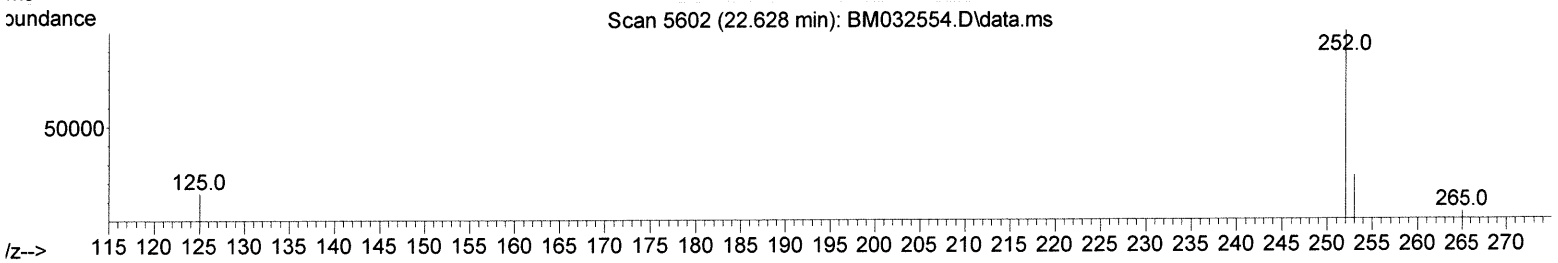
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032554.D
Acq On : 16 Oct 2021 08:59
Operator : CG/JU
Sample : M4029-19
Misc :
ALS Vial : 39 Sample Multiplier: 1

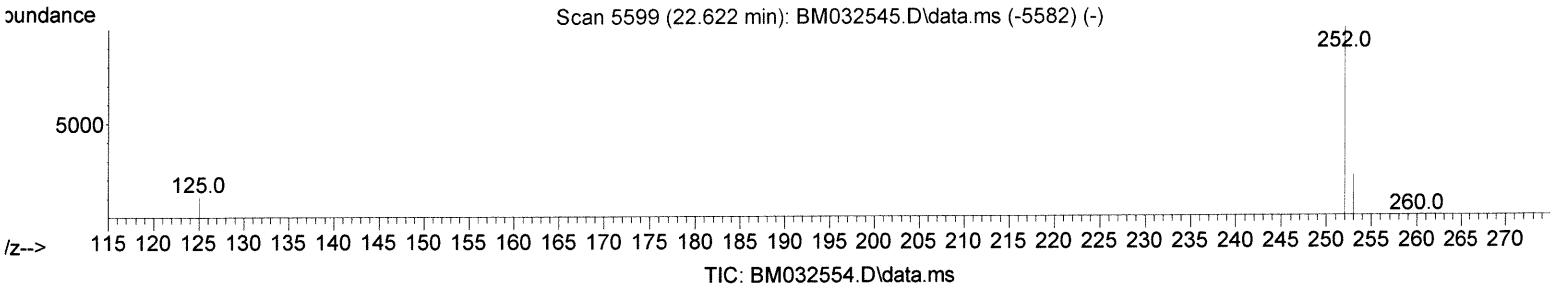
Quant Time: Oct 18 05:28:20 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM101421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 15 12:37:00 2021
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C00T0

Manual Integrations APPROVED
mohammad
10/19/2021 12:07:47 PM







(24) Benzo(b)fluoranthene

22.628min (-0.015) 3.50 ng/ul m JH 10/19/21

response 200227

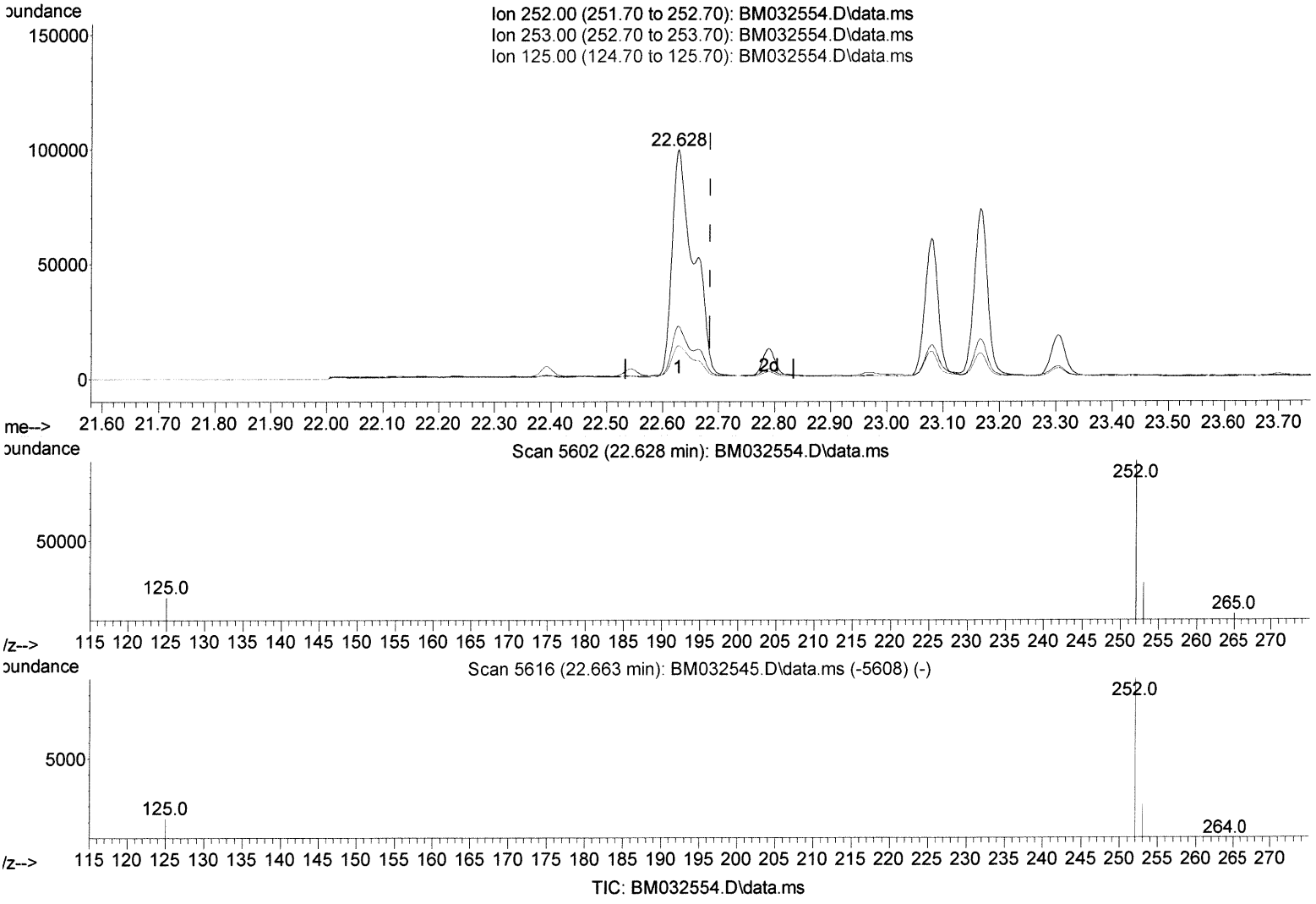
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	26.90	23.02
125.00	17.80	14.44
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032554.D
Acq On : 16 Oct 2021 08:59
Operator : CG/JU
Sample : M4029-19
Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Oct 18 05:28:20 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 :
C00T0

Manual Integrations APPROVED
mohammad
10/19/2021 12:07:47 PM



(25) Benzo(k)fluoranthene

22.628min (-0.057) 4.75 ng/ul

response 270690

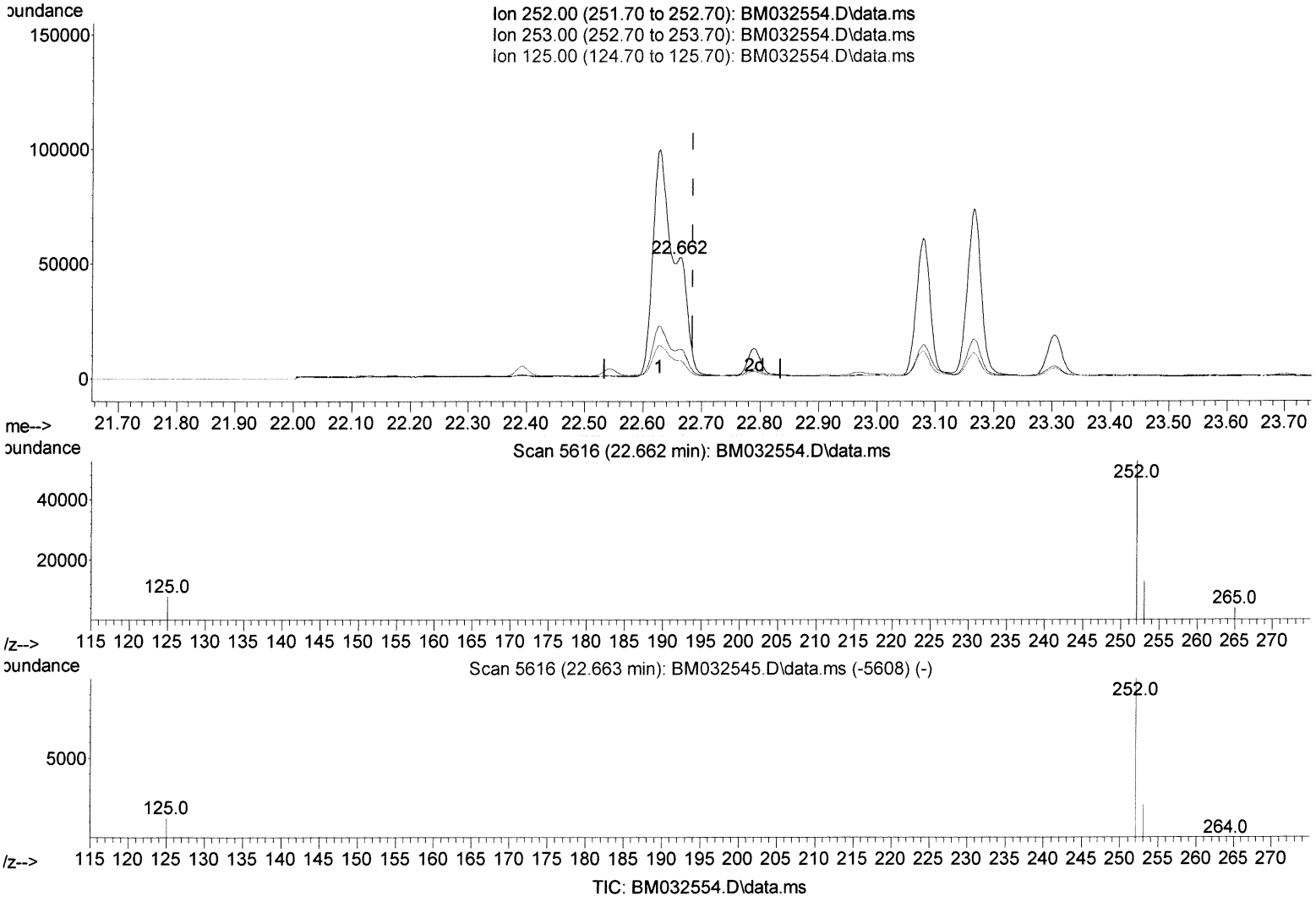
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	23.02
125.00	18.00	14.44
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032554.D
Acq On : 16 Oct 2021 08:59
Operator : CG/JU
Sample : M4029-19
Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Oct 18 05:28:20 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 :
C00T0

Manual Integrations APPROVED
mohammad
10/19/2021 12:07:47 PM



(25) Benzo(k)fluoranthene

22.662min (-0.023) 1.21 ng/ul m

response 68650

JU 10/19/21

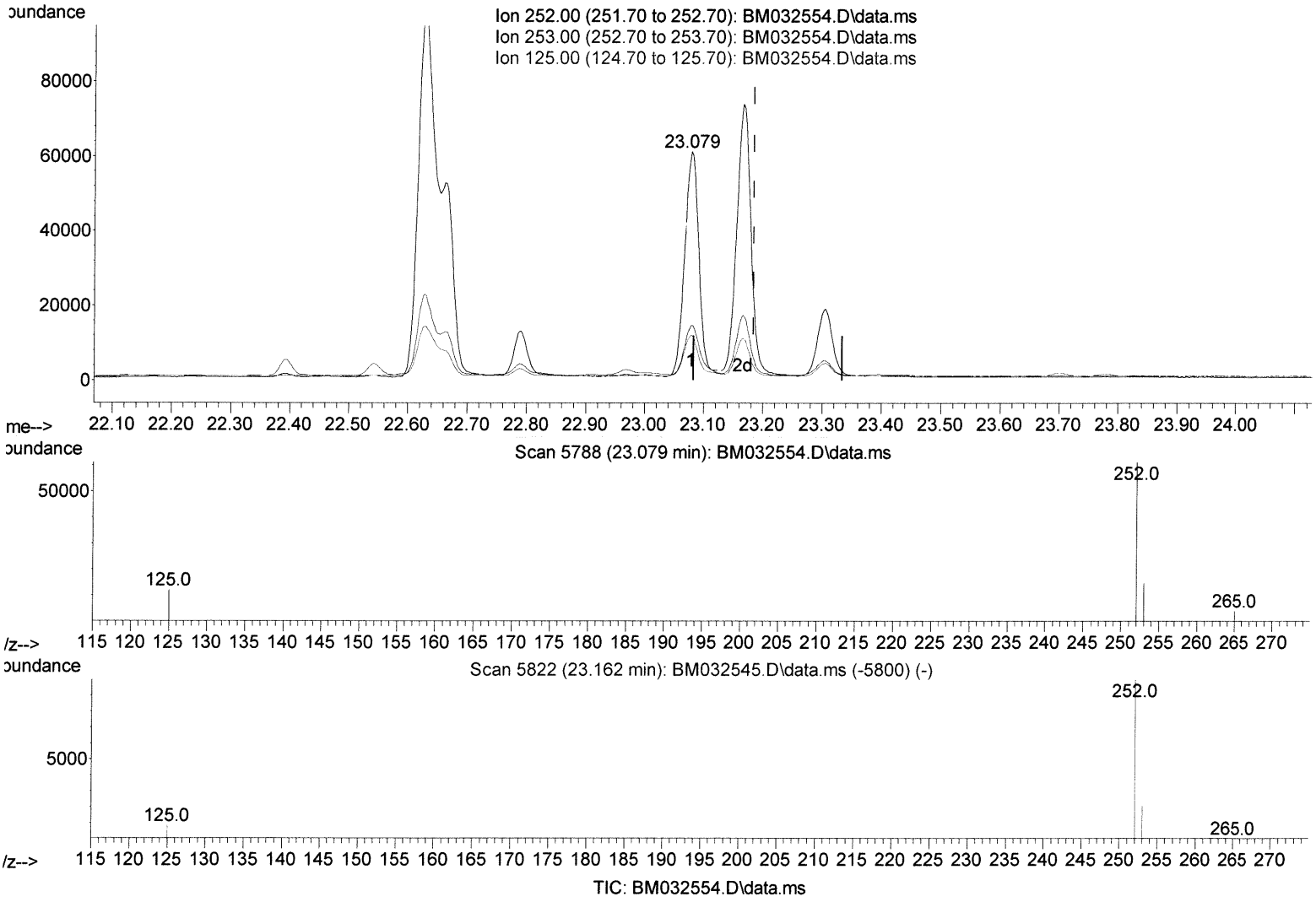
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	27.20	24.40
125.00	18.00	14.98
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032554.D
Acq On : 16 Oct 2021 08:59
Operator : CG/JU
Sample : M4029-19
Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Oct 18 05:28:20 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 :
C00T0

Manual Integrations APPROVED
mohammad
10/19/2021 12:07:47 PM



(26) Benzo(a)pyrene (C)

23.079min (-0.105) 1.55 ng/ul

response 74248

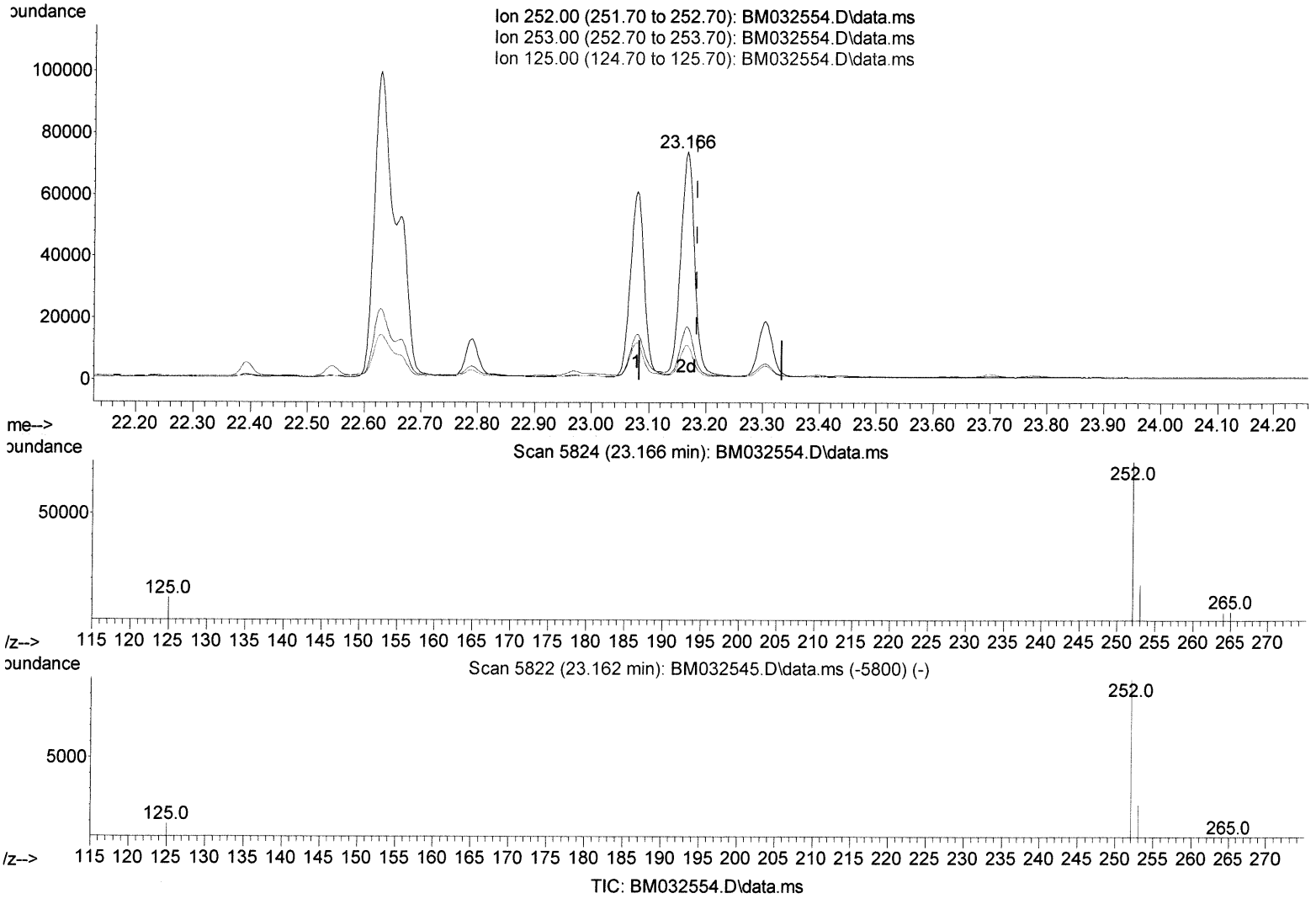
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	29.50	24.02
125.00	21.40	19.60
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032554.D
Acq On : 16 Oct 2021 08:59
Operator : CG/JU
Sample : M4029-19
Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Oct 18 05:28:20 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 :
C00T0

Manual Integrations APPROVED
mohammad
10/19/2021 12:07:47 PM



(26) Benzo(a)pyrene (C)

23.166min (-0.018) 2.58 ng/ul m

response 123580

JU 10/19/21

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	29.50	23.45#
125.00	21.40	15.14#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032554.D
Acq On : 16 Oct 2021 08:59
Operator : CG/JU
Sample : M4029-19
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C00T0

Manual Integrations APPROVED
mohammad
10/19/2021 12:07:47 PM

Quant Time: Oct 18 05:28:20 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	8094	0.400	ng/ul	0.00
4) Naphthalene-d8	10.338	136	24916	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.212	164	12449	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.945	188	21876	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.125	240	13266	0.400	ng/ul	-0.01
23) Perylene-d12	23.258	264	12379	0.400	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.920	96	20541	2.264	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.935	152	4827	0.145	ng/ul	0.00
18) Fluoranthene-d10	18.972	212	7564	0.181	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.388	128	18633	0.247	ng/ul	99
7) 2-Methylnaphthalene	12.007	142	11285	0.228	ng/ul	100
8) 1-Methylnaphthalene	12.232	142	6965	0.143	ng/ul	98
10) Acenaphthylene	13.927	152	14143	0.266	ng/ul	99
11) Acenaphthene	14.273	153	3094	0.064	ng/ul	97
12) Fluorene	15.259	166	7234	0.132	ng/ul#	97
15) Phenanthrene	16.987	178	159894	2.173	ng/ul	99
16) Anthracene	17.077	178	21404	0.331	ng/ul	99
19) Fluoranthene	19.003	202	370363	5.643	ng/ul	99
20) Pyrene	19.365	202	299591	4.440	ng/ul	99
21) Benzo(a)anthracene	21.108	228	114698	2.212	ng/ul	99
22) Chrysene	21.161	228	151248	2.652	ng/ul	98
24) Benzo(b)fluoranthene	22.628	252	200227m	3.501	ng/ul	
25) Benzo(k)fluoranthene	22.662	252	68650m	1.205	ng/ul	
26) Benzo(a)pyrene	23.166	252	123580m	2.578	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.359	276	103889	1.773	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.359	278	22945	0.496	ng/ul	97
29) Benzo(g,h,i)perylene	26.005	276	94331	1.847	ng/ul	98

JU 10/19/21

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