

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049404.D
 Acq On : 23 Jan 2025 05:09
 Operator : RC/JU
 Sample : Q1139-08
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

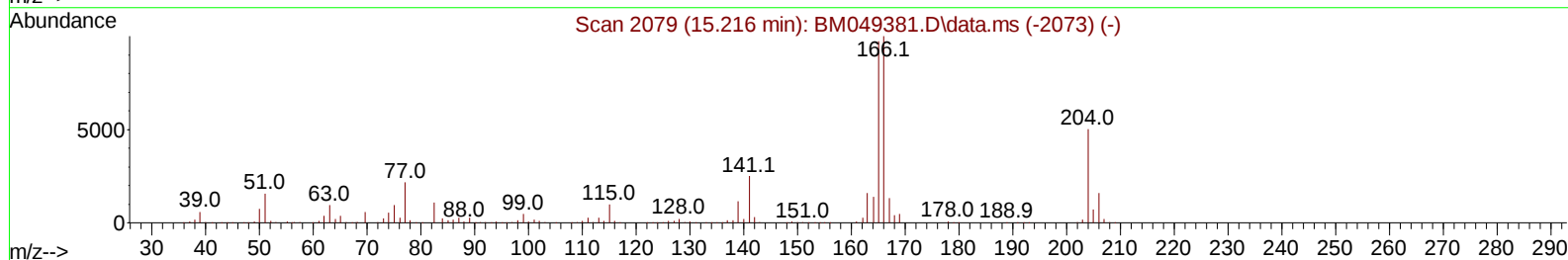
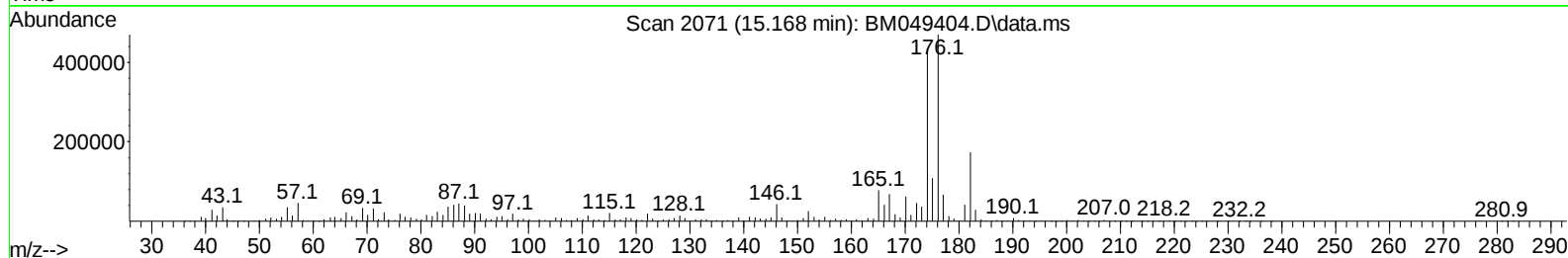
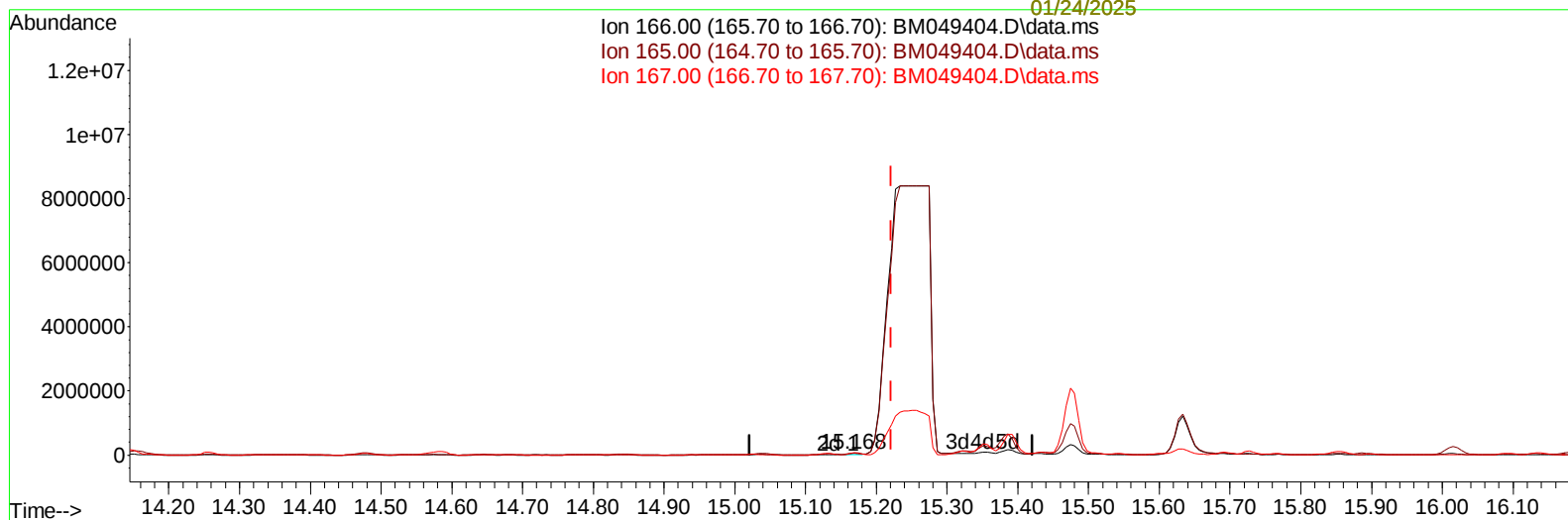
Instrument :
 BNA_M
 ClientSampleId :
 DCZH5

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/24/2025
 Supervised By :mohammad ahmed 01/24/2025

Supervised By :mohammad
 ahmed
 01/24/2025

Quant Time: Jan 23 05:40:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 13 16:56:06 2025
 Response via : Initial Calibration



TIC: BM049404.D\data.ms

(61) Fluorene

15.168min (-0.053) 0.45 ng/u1

response 33854

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	97.10	185.10#
167.00	13.40	161.90#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049404.D
Acq On : 23 Jan 2025 05:09
Operator : RC/JU
Sample : Q1139-08
Misc :
ALS Vial : 26 Sample Multiplier: 1

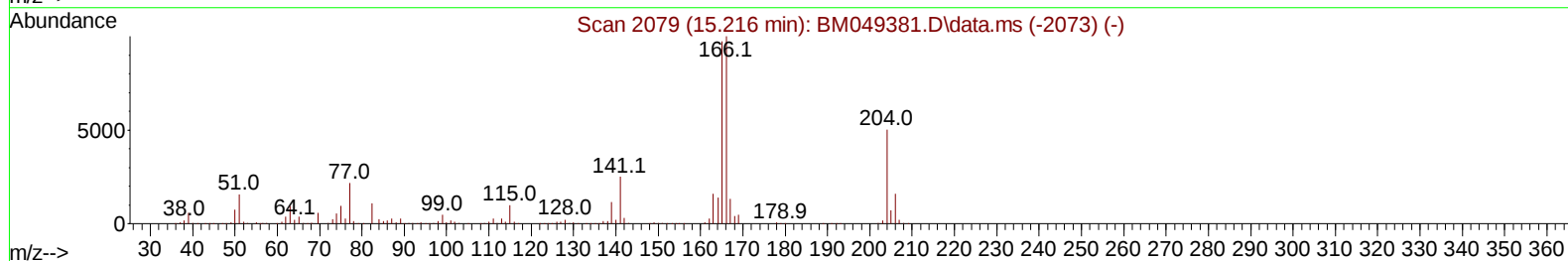
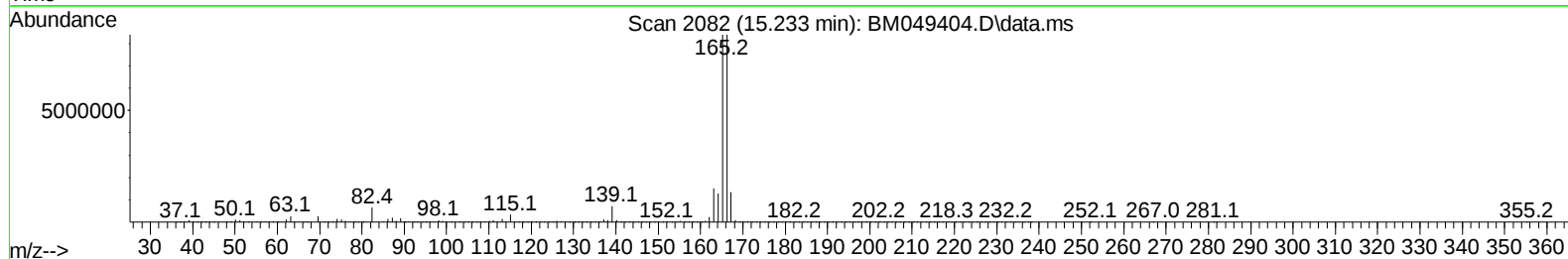
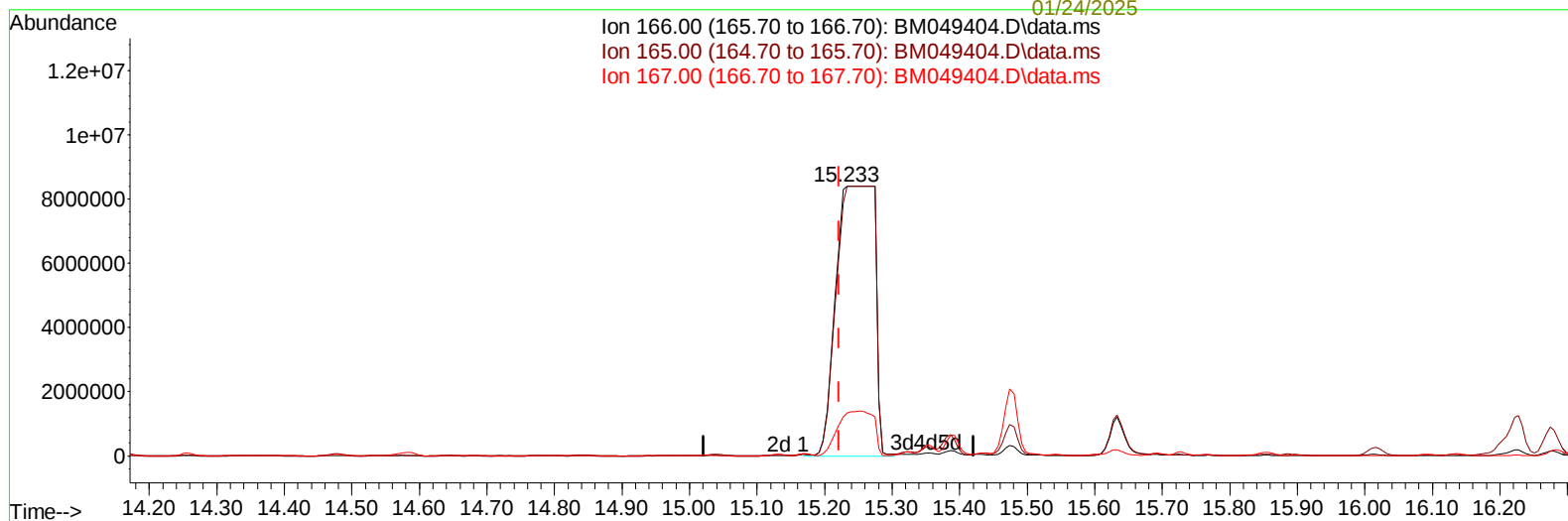
Instrument :
BNA_M
ClientSampleId :
DCZH5

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

Supervised By :mohammad
ahmed
01/24/2025

Quant Time: Jan 23 05:40:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 13 16:56:06 2025
Response via : Initial Calibration



TIC: BM049404.D\data.ms

(61) Fluorene

15.233min (+ 0.012) 437.33 ng/ul m

response 33173348

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	97.10	100.00
167.00	13.40	15.91
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049404.D
Acq On : 23 Jan 2025 05:09
Operator : RC/JU
Sample : Q1139-08
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCZH5

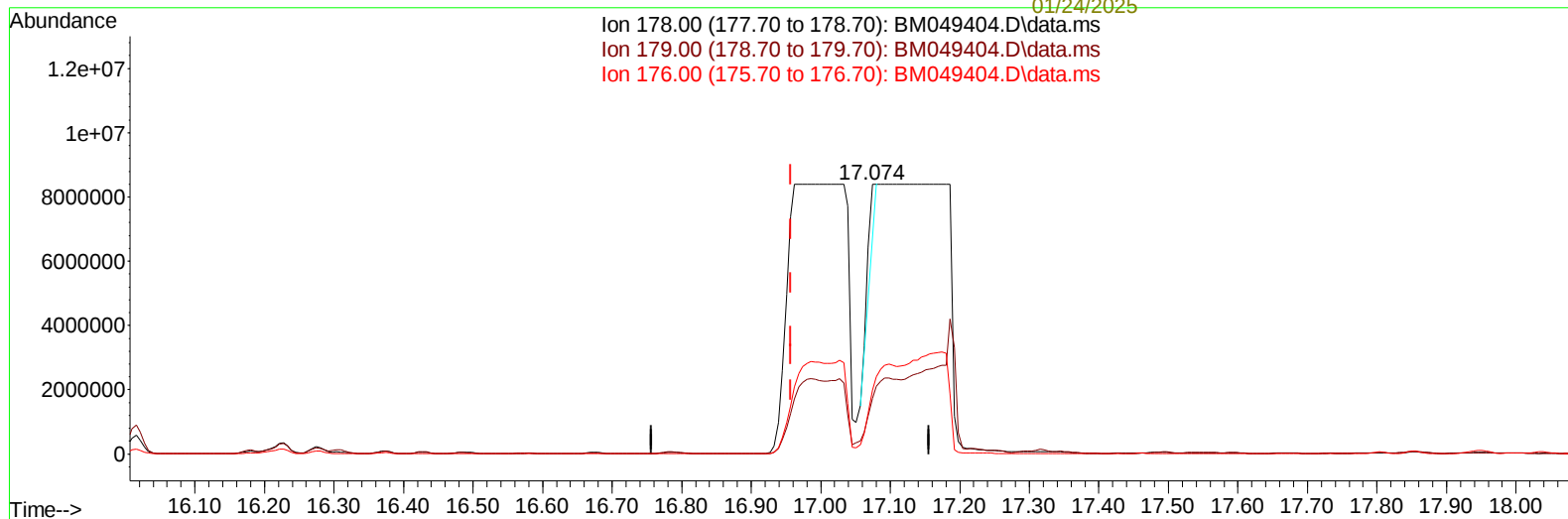
Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

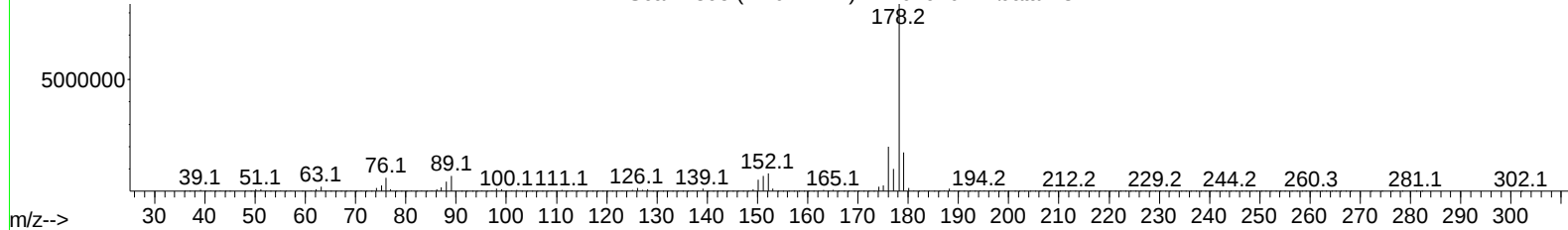
Supervised By :mohammad
ahmed
01/24/2025

Quant Time: Jan 23 05:40:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 13 16:56:06 2025
Response via : Initial Calibration

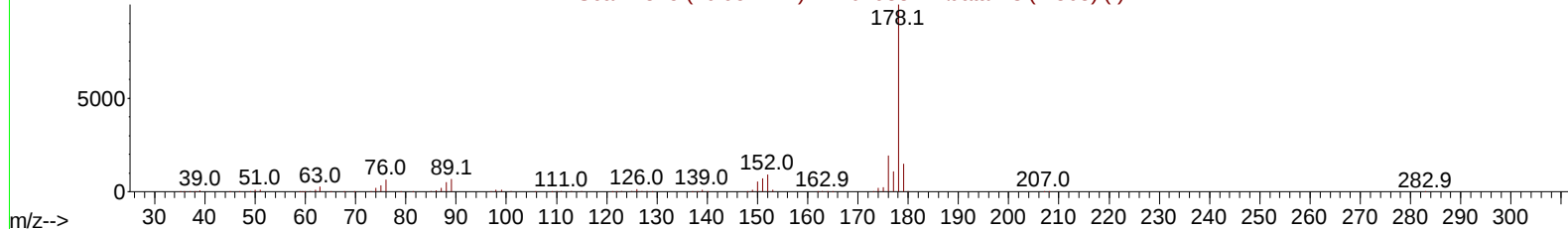
Ion 178.00 (177.70 to 178.70): BM049404.D\data.ms
Ion 179.00 (178.70 to 179.70): BM049404.D\data.ms
Ion 176.00 (175.70 to 176.70): BM049404.D\data.ms



Scan 2395 (17.074 min): BM049404.D\data.ms



Scan 2375 (16.957 min): BM049381.D\data.ms (-2368) (-)



TIC: BM049404.D\data.ms

(72) Phenanthrene

17.074min (+ 0.118) 30.12 ng/u1

response 2579735

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.80	20.53#
176.00	19.30	23.61#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049404.D
Acq On : 23 Jan 2025 05:09
Operator : RC/JU
Sample : Q1139-08
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCZH5

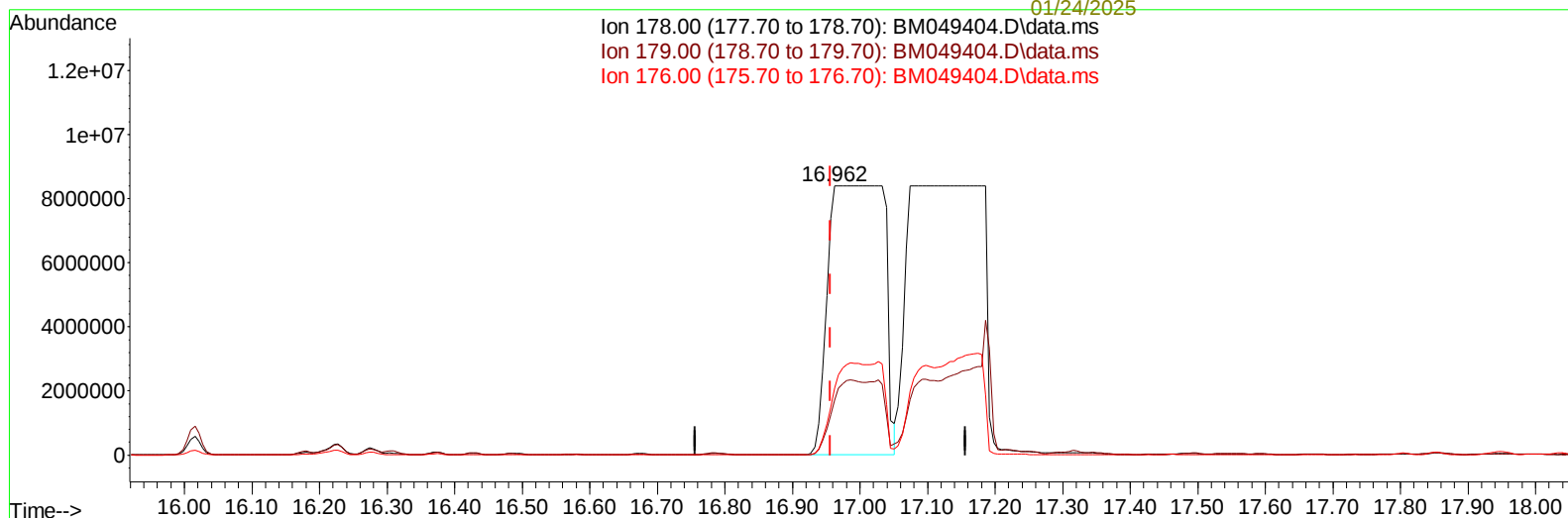
Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

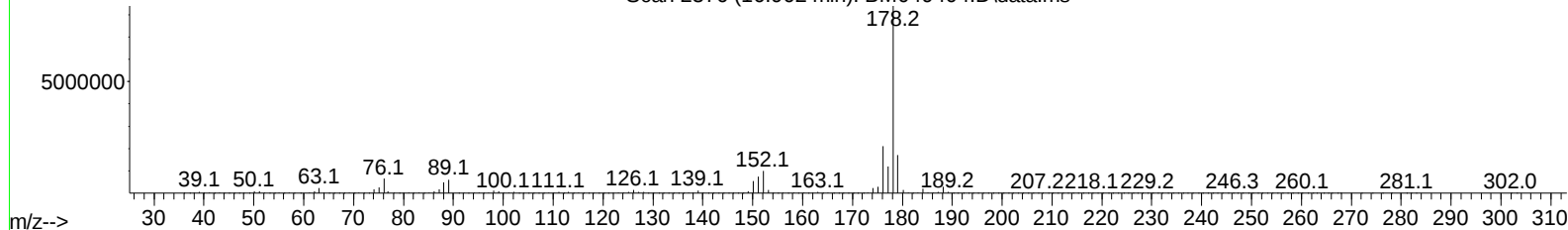
Supervised By :mohammad
ahmed
01/24/2025

Quant Time: Jan 23 05:40:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 13 16:56:06 2025
Response via : Initial Calibration

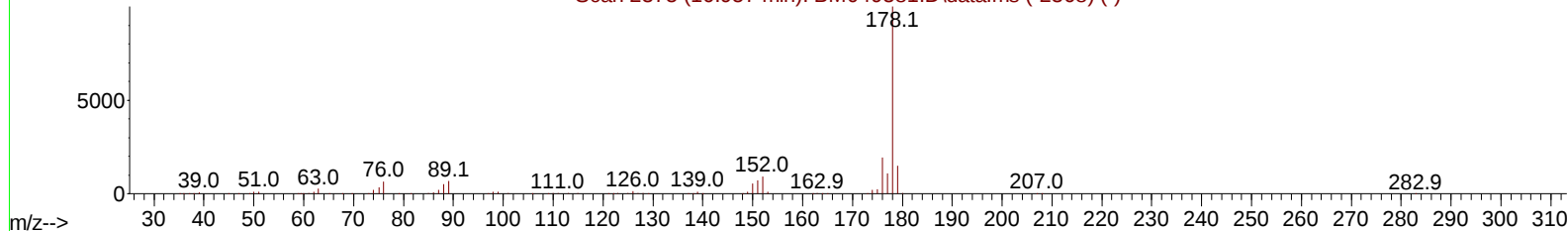
Ion 178.00 (177.70 to 178.70): BM049404.D\data.ms
Ion 179.00 (178.70 to 179.70): BM049404.D\data.ms
Ion 176.00 (175.70 to 176.70): BM049404.D\data.ms



Scan 2376 (16.962 min): BM049404.D\data.ms



Scan 2375 (16.957 min): BM049381.D\data.ms (-2368) (-)



TIC: BM049404.D\data.ms

(72) Phenanthrene

16.962min (+ 0.006) 556.19 ng/u1 m

response 47636307

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.80	20.48#
176.00	19.30	24.93#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049404.D
Acq On : 23 Jan 2025 05:09
Operator : RC/JU
Sample : Q1139-08
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCZH5

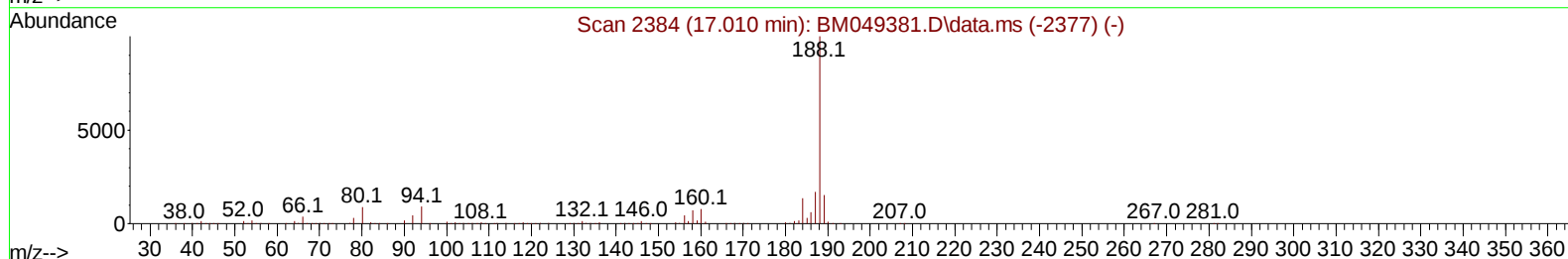
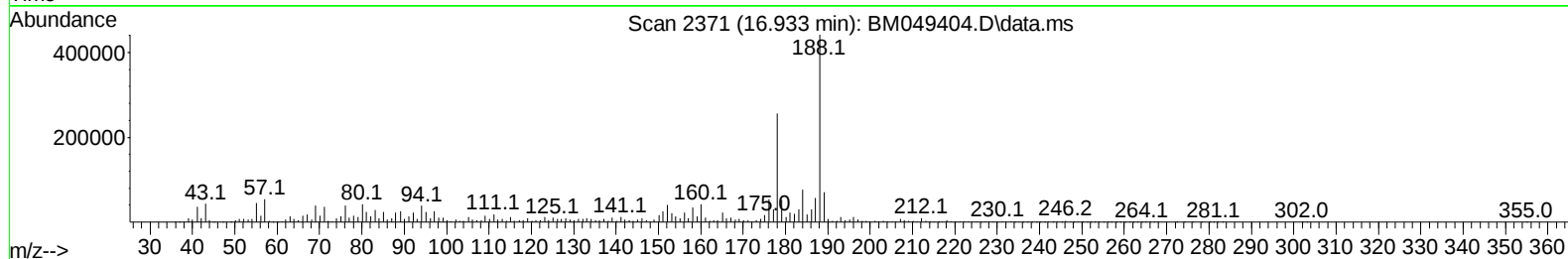
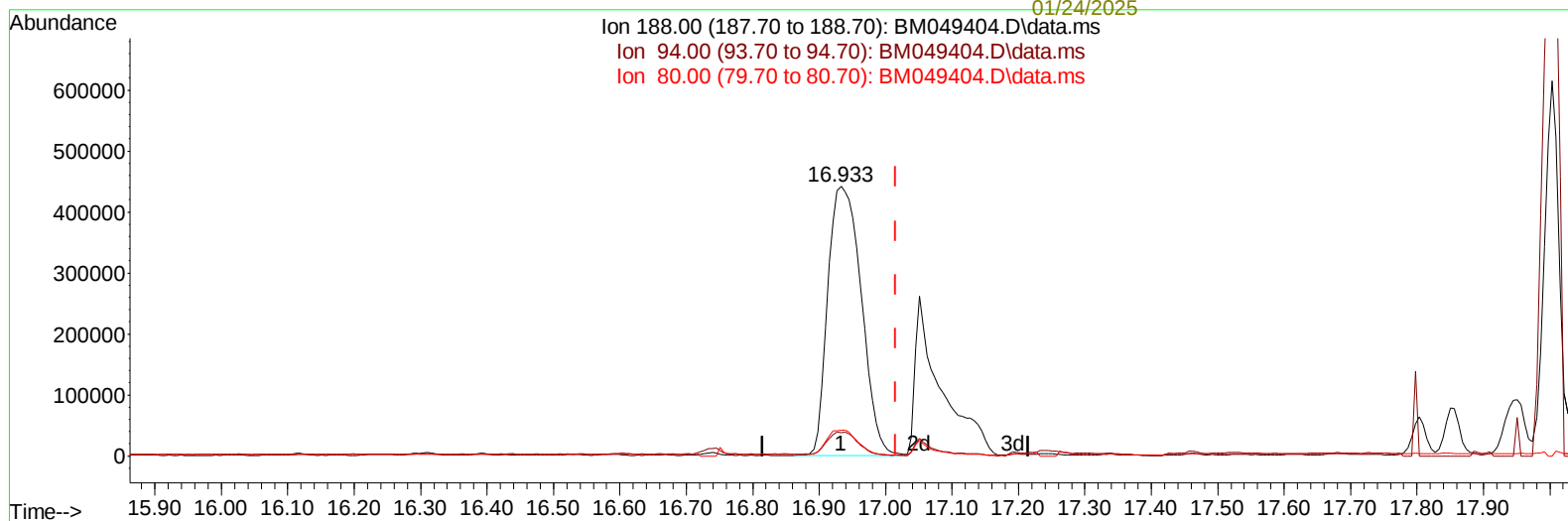
Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

Supervised By :mohammad
ahmed
01/24/2025

Quant Time: Jan 23 05:40:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 13 16:56:06 2025
Response via : Initial Calibration

Ion 188.00 (187.70 to 188.70): BM049404.D\data.ms
Ion 94.00 (93.70 to 94.70): BM049404.D\data.ms
Ion 80.00 (79.70 to 80.70): BM049404.D\data.ms



TIC: BM049404.D\data.ms

(73) Anthracene-d10 (S)

16.933min (-0.082) 20.23 ng/u1

response 1540589

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	8.90	8.73
80.00	8.70	9.54
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049404.D
Acq On : 23 Jan 2025 05:09
Operator : RC/JU
Sample : Q1139-08
Misc :
ALS Vial : 26 Sample Multiplier: 1

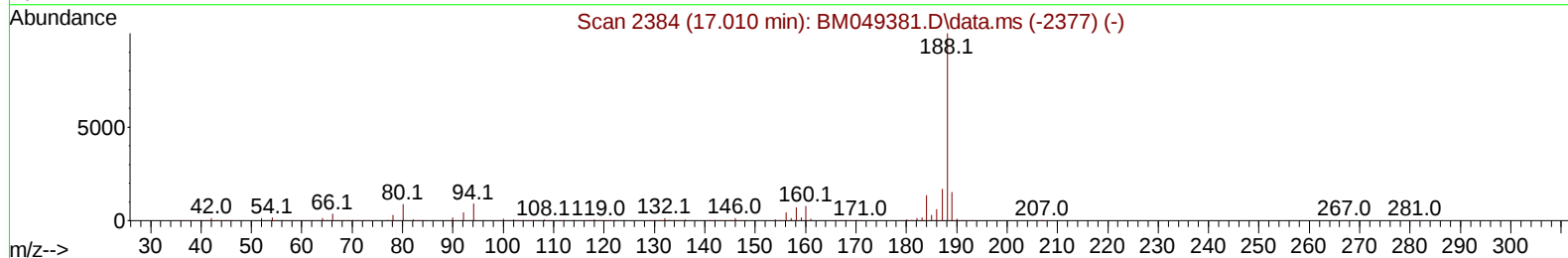
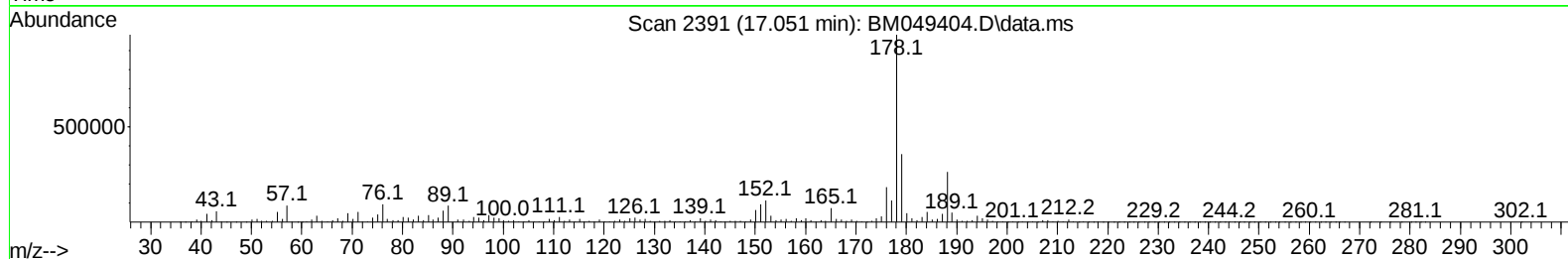
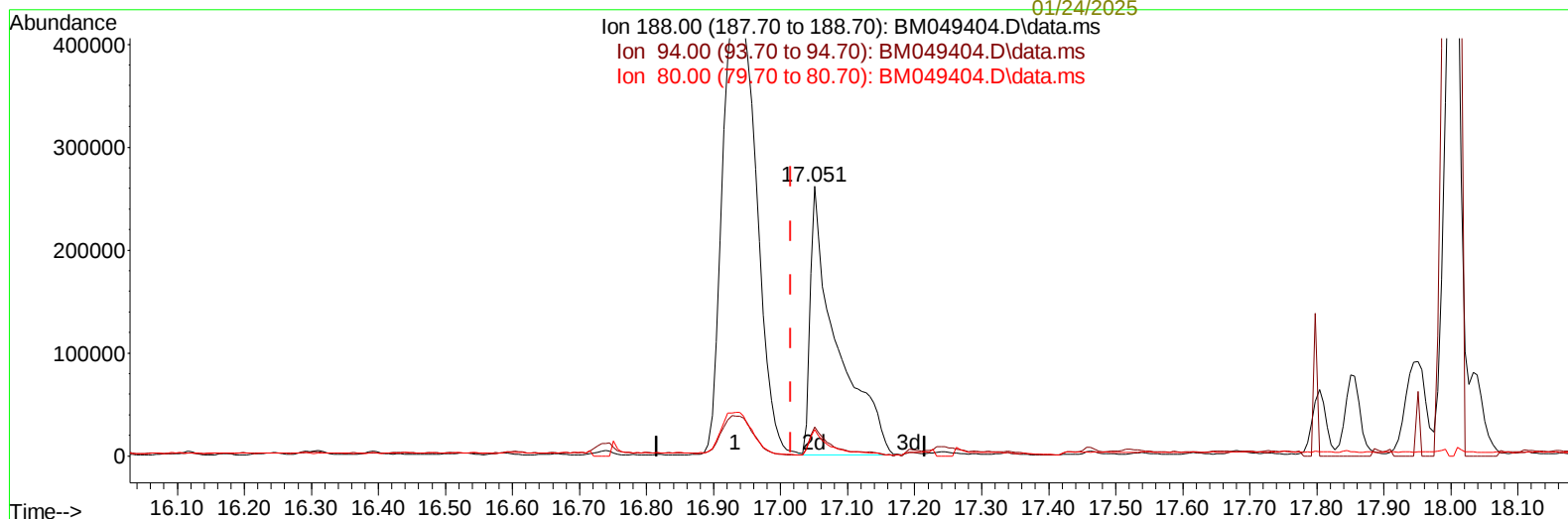
Instrument :
BNA_M
ClientSampleId :
DCZH5

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

Supervised By :mohammad
ahmed
01/24/2025

Quant Time: Jan 23 05:40:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 13 16:56:06 2025
Response via : Initial Calibration



TIC: BM049404.D\data.ms

(73) Anthracene-d10 (S)

17.051min (+ 0.035) 9.38 ng/u1 m

response 714174

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	8.90	10.81#
80.00	8.70	9.70
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049404.D
Acq On : 23 Jan 2025 05:09
Operator : RC/JU
Sample : Q1139-08
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCZH5

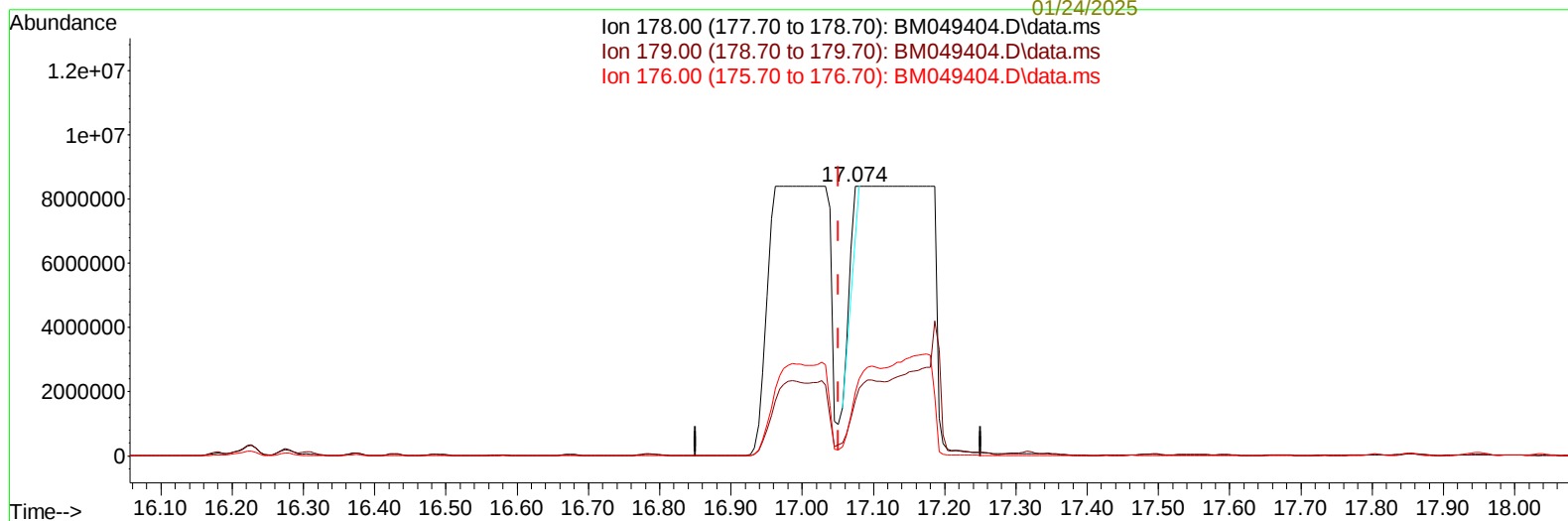
Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

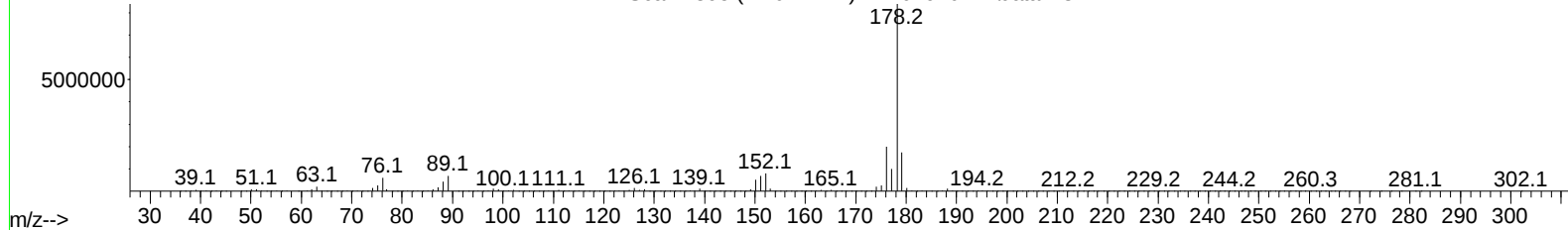
Supervised By :mohammad
ahmed
01/24/2025

Quant Time: Jan 23 05:40:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 13 16:56:06 2025
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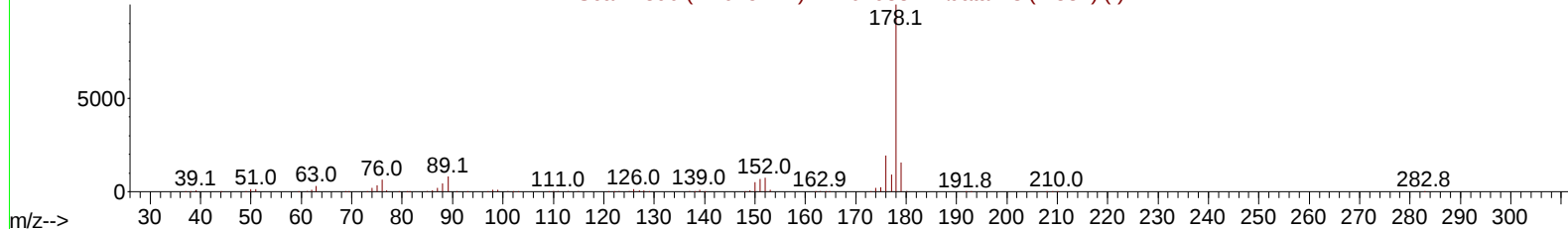
Ion 178.00 (177.70 to 178.70): BM049404.D\data.ms
Ion 179.00 (178.70 to 179.70): BM049404.D\data.ms
Ion 176.00 (175.70 to 176.70): BM049404.D\data.ms



Scan 2395 (17.074 min): BM049404.D\data.ms



Scan 2390 (17.045 min): BM049381.D\data.ms (-2384) (-)



TIC: BM049404.D\data.ms

(74) Anthracene

17.074min (+ 0.024) 30.01 ng/u1

response 2579735

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	20.53#
176.00	18.90	23.61#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049404.D
Acq On : 23 Jan 2025 05:09
Operator : RC/JU
Sample : Q1139-08
Misc :
ALS Vial : 26 Sample Multiplier: 1

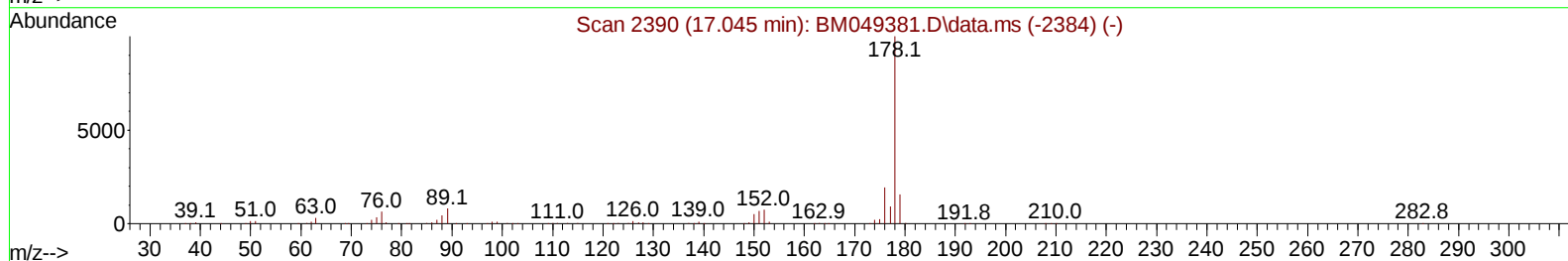
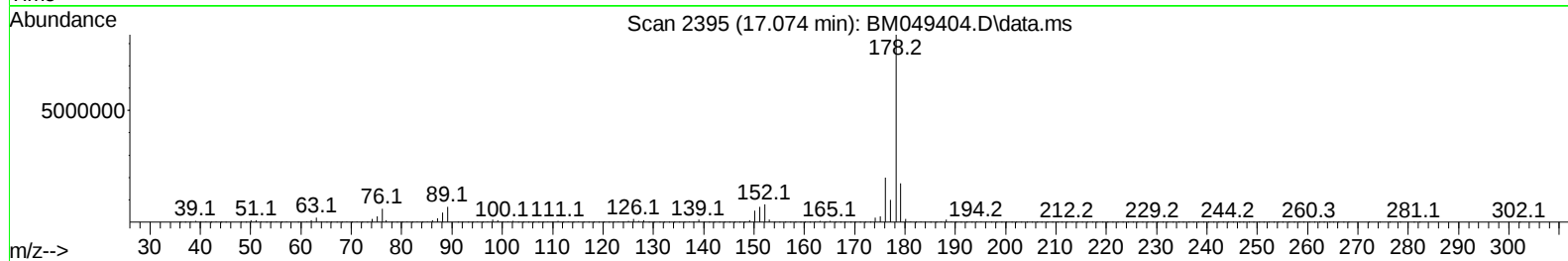
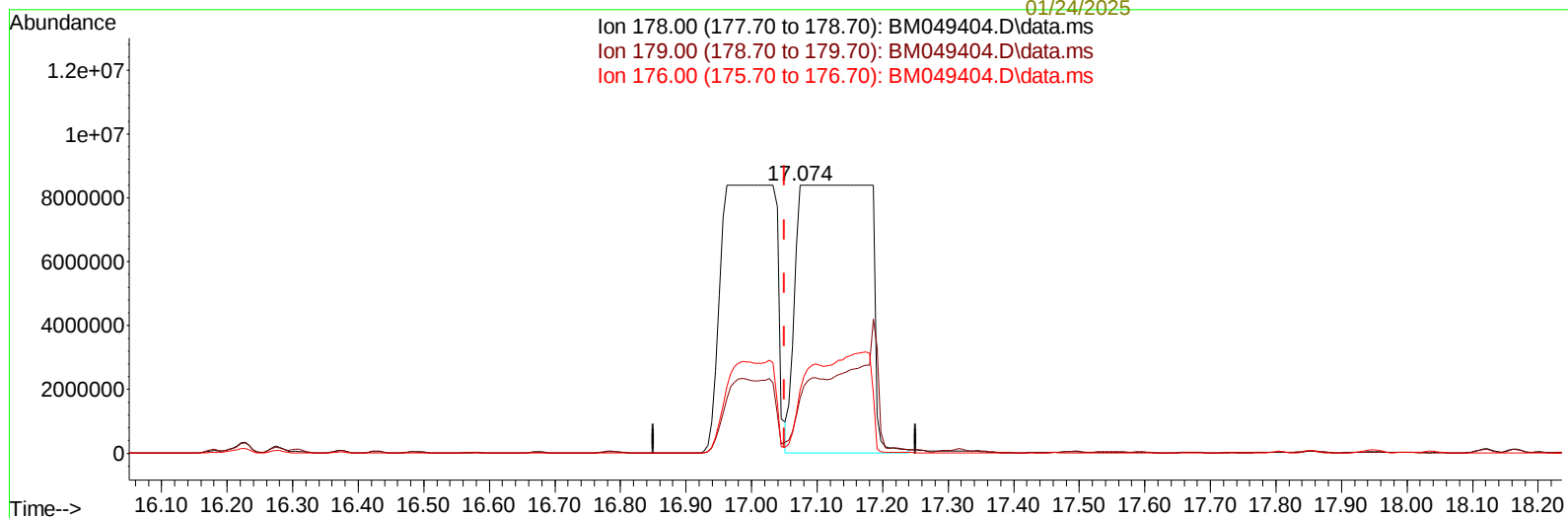
Instrument :
BNA_M
ClientSampleId :
DCZH5

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

Supervised By :mohammad
ahmed
01/24/2025

Quant Time: Jan 23 05:40:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 13 16:56:06 2025
Response via : Initial Calibration



TIC: BM049404.D\data.ms

(74) Anthracene

17.074min (+ 0.024) 745.49 ng/u1 m

response 64088162

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.60	20.53#
176.00	18.90	23.61#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049404.D
Acq On : 23 Jan 2025 05:09
Operator : RC/JU
Sample : Q1139-08
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCZH5

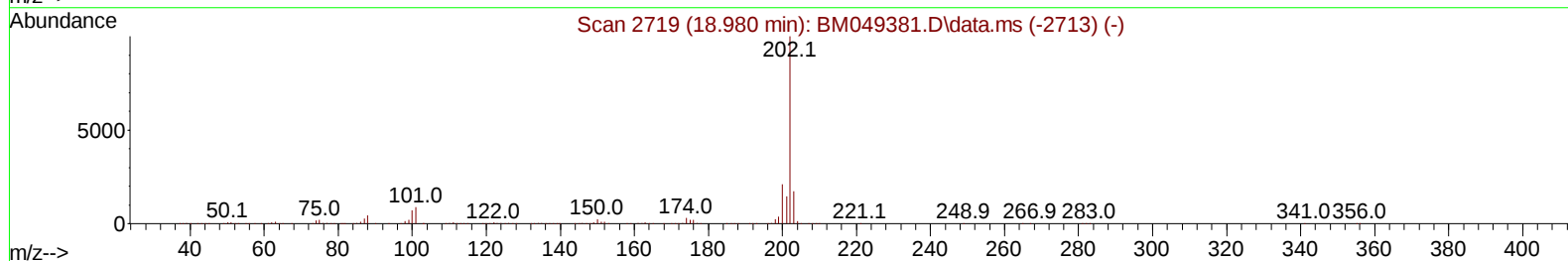
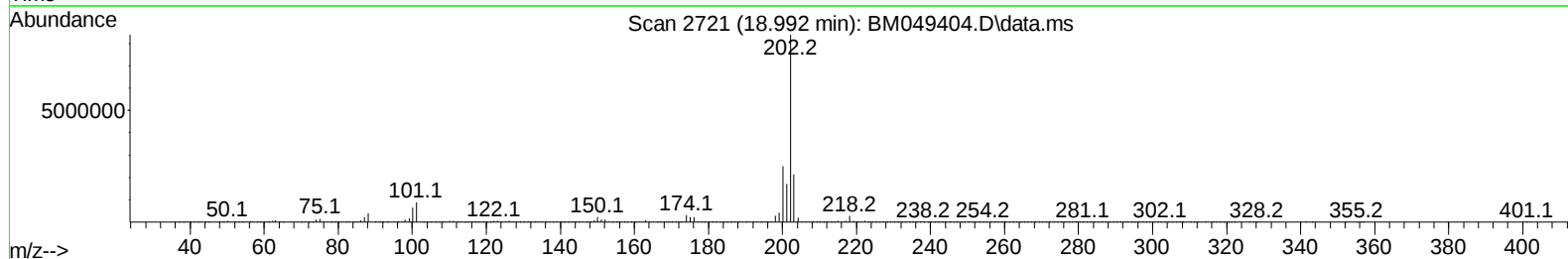
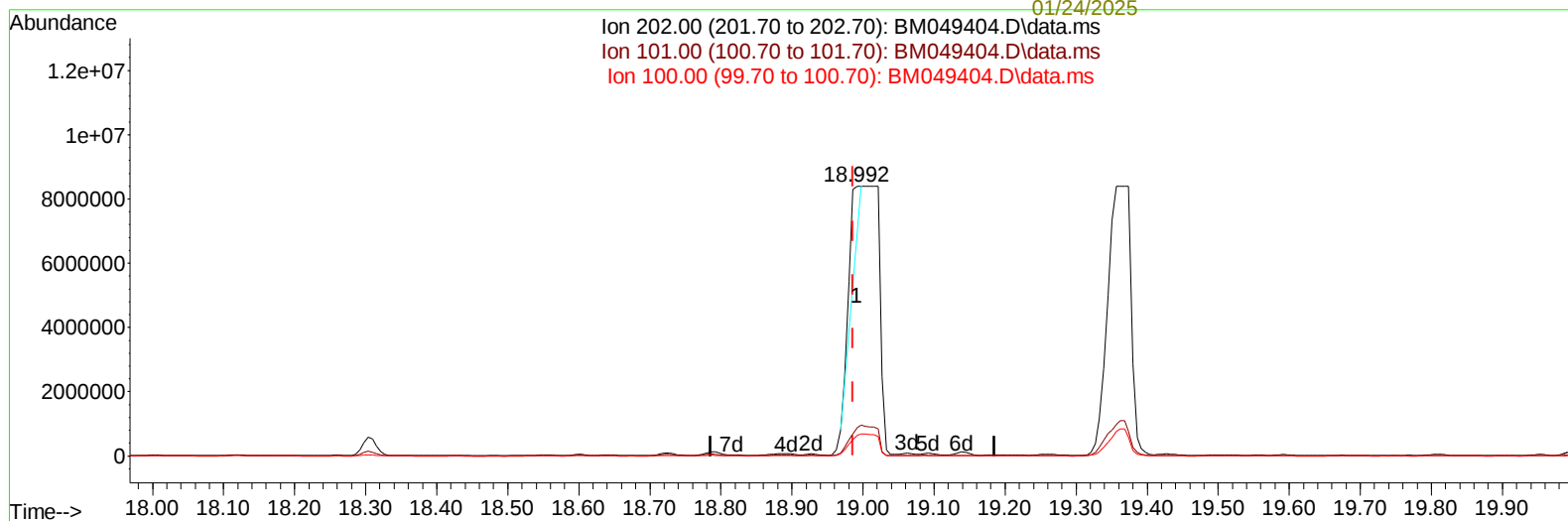
Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

Supervised By :mohammad
ahmed
01/24/2025

Quant Time: Jan 23 05:42:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 13 16:56:06 2025
Response via : Initial Calibration

Ion 202.00 (201.70 to 202.70): BM049404.D\data.ms
Ion 101.00 (100.70 to 101.70): BM049404.D\data.ms
Ion 100.00 (99.70 to 100.70): BM049404.D\data.ms



TIC: BM049404.D\data.ms

(80) Fluoranthene

18.992min (+ 0.006) 37.08 ng/u1

response 3776090

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	8.70	10.46#
100.00	6.30	7.64#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049404.D
Acq On : 23 Jan 2025 05:09
Operator : RC/JU
Sample : Q1139-08
Misc :
ALS Vial : 26 Sample Multiplier: 1

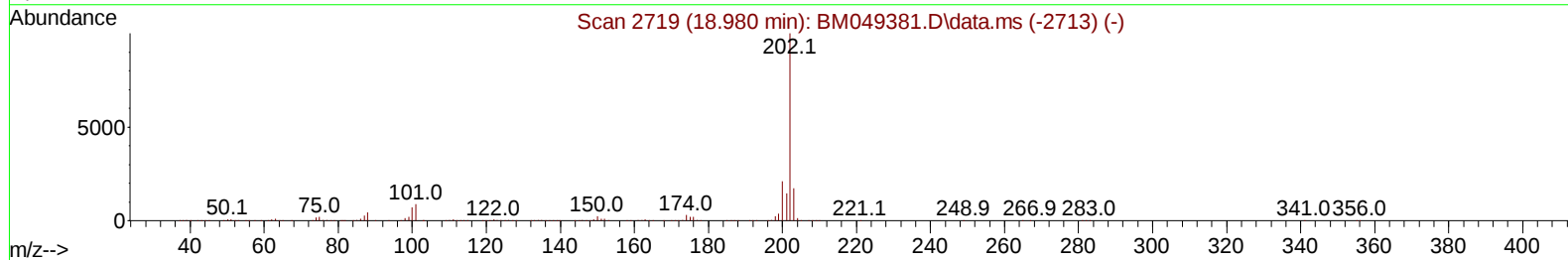
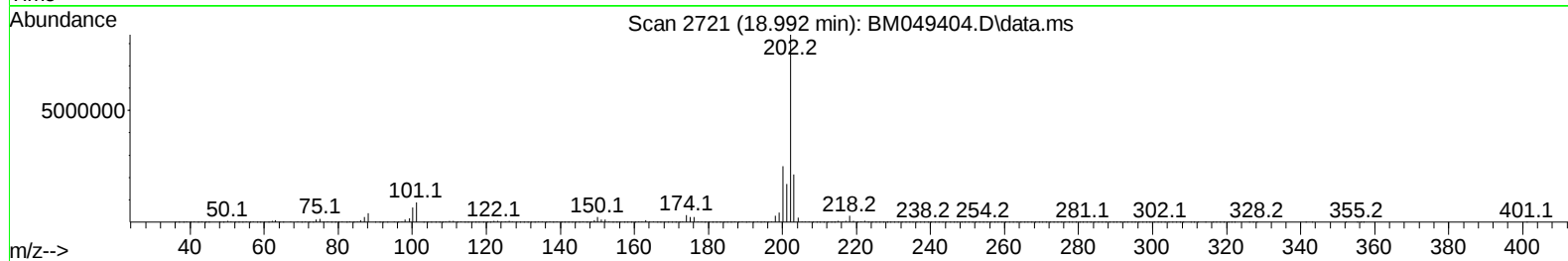
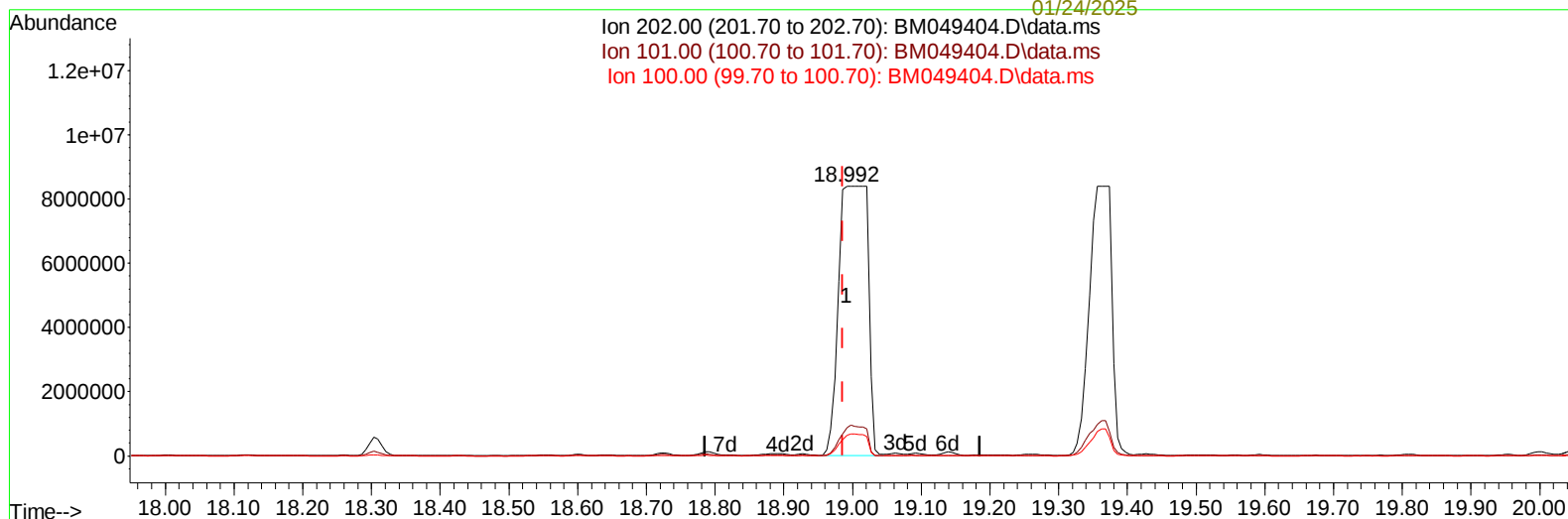
Instrument :
BNA_M
ClientSampleId :
DCZH5

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

Supervised By :mohammad
ahmed
01/24/2025

Quant Time: Jan 23 05:42:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 13 16:56:06 2025
Response via : Initial Calibration



TIC: BM049404.D\data.ms

(80) Fluoranthene**18.992min (+ 0.006) 243.36 ng/u1 m****response 24785739**

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	8.70	10.46#
100.00	6.30	7.64#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049404.D
Acq On : 23 Jan 2025 05:09
Operator : RC/JU
Sample : Q1139-08
Misc :
ALS Vial : 26 Sample Multiplier: 1

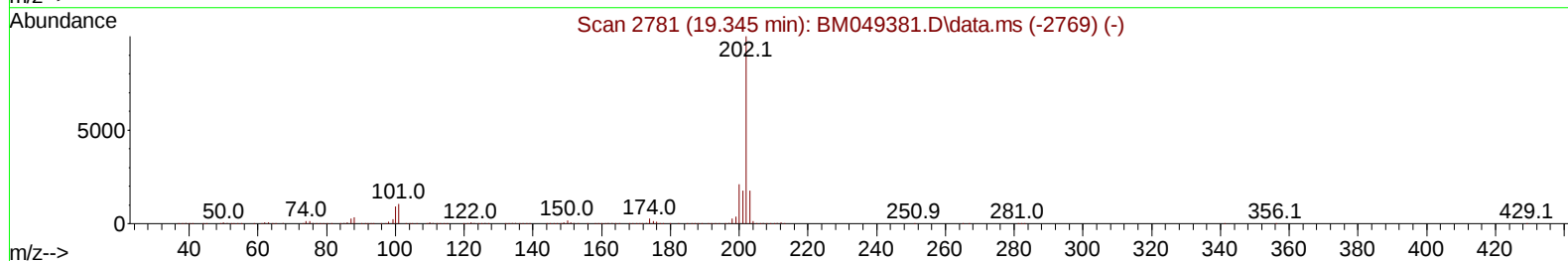
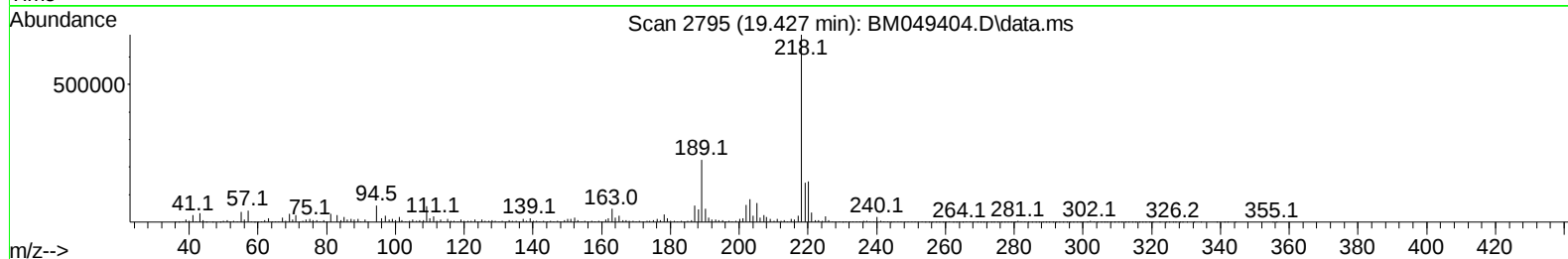
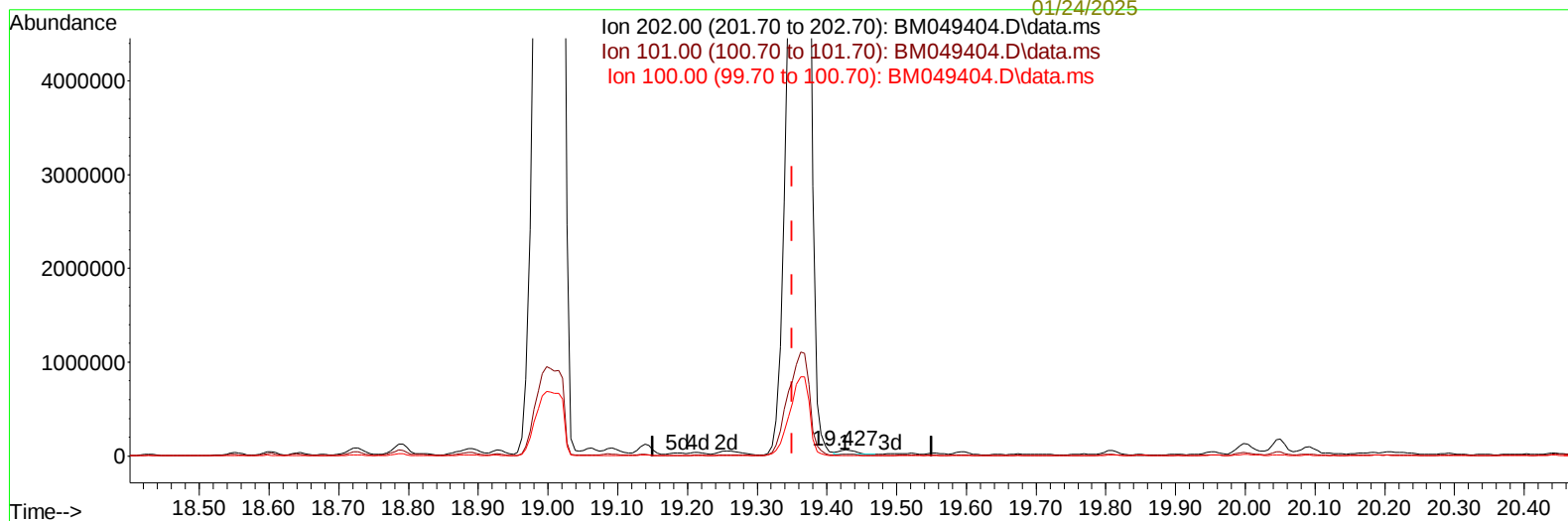
Instrument :
BNA_M
ClientSampleId :
DCZH5

Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 01/24/2025

Supervised By :mohammad
ahmed
01/24/2025

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 13 16:56:06 2025
Response via : Initial Calibration



TIC: BM049404.D\data.ms

(82) Pyrene

19.427min (+ 0.076) 0.79 ng/u1

response 86109

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	9.80	29.58#
100.00	8.30	9.97#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049404.D
Acq On : 23 Jan 2025 05:09
Operator : RC/JU
Sample : Q1139-08
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCZH5

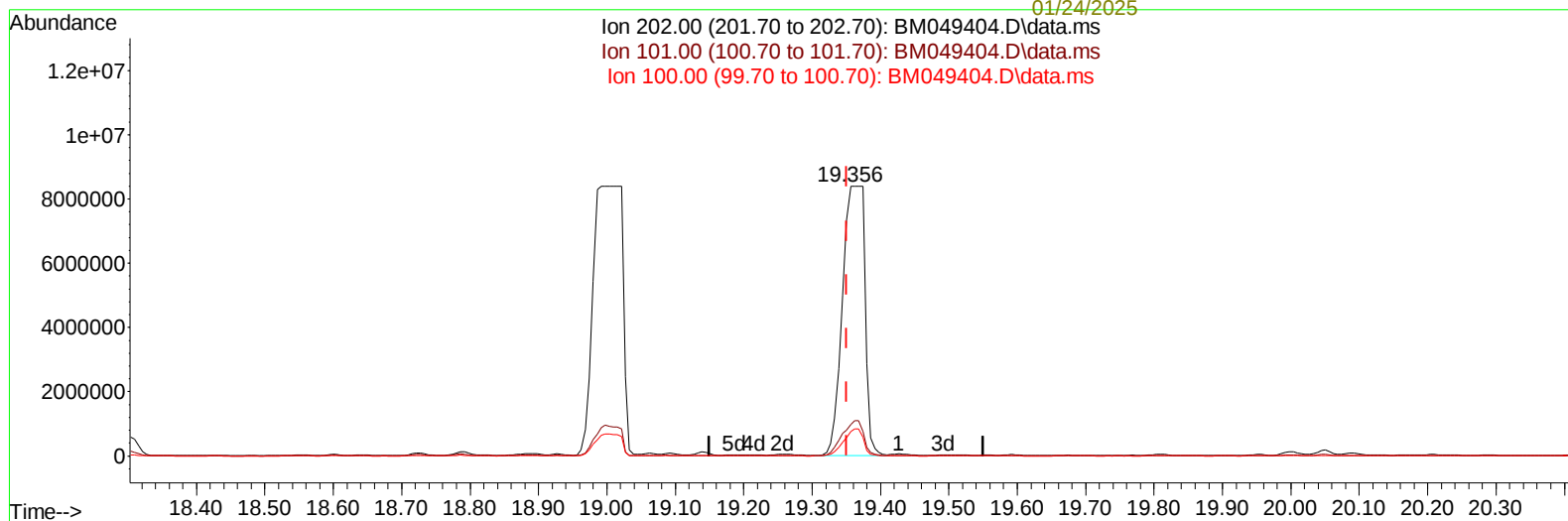
Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

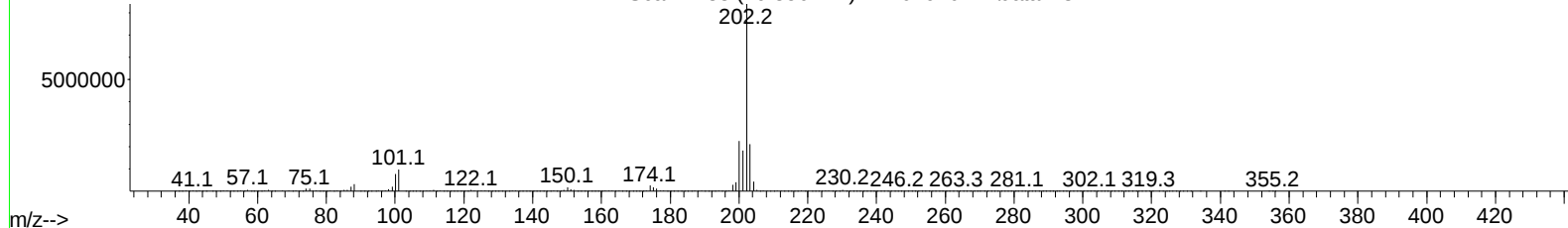
Supervised By :mohammad
ahmed
01/24/2025

Quant Time: Jan 23 05:42:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 13 16:56:06 2025
Response via : Initial Calibration

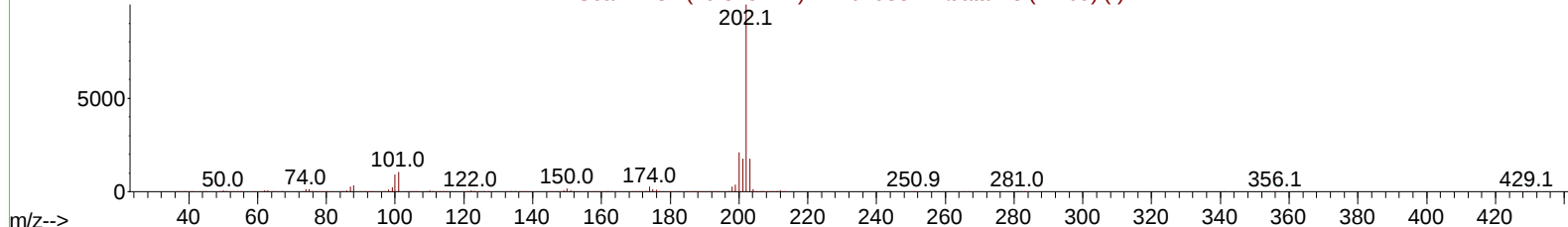
Ion 202.00 (201.70 to 202.70): BM049404.D\data.ms
Ion 101.00 (100.70 to 101.70): BM049404.D\data.ms
Ion 100.00 (99.70 to 100.70): BM049404.D\data.ms



Scan 2783 (19.356 min): BM049404.D\data.ms



Scan 2781 (19.345 min): BM049381.D\data.ms (-2769) (-)



TIC: BM049404.D\data.ms

(82) Pyrene

19.356min (+ 0.006) 176.06 ng/u1 m

response 19087511

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	9.80	11.58
100.00	8.30	9.06
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049404.D
Acq On : 23 Jan 2025 05:09
Operator : RC/JU
Sample : Q1139-08
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCZH5

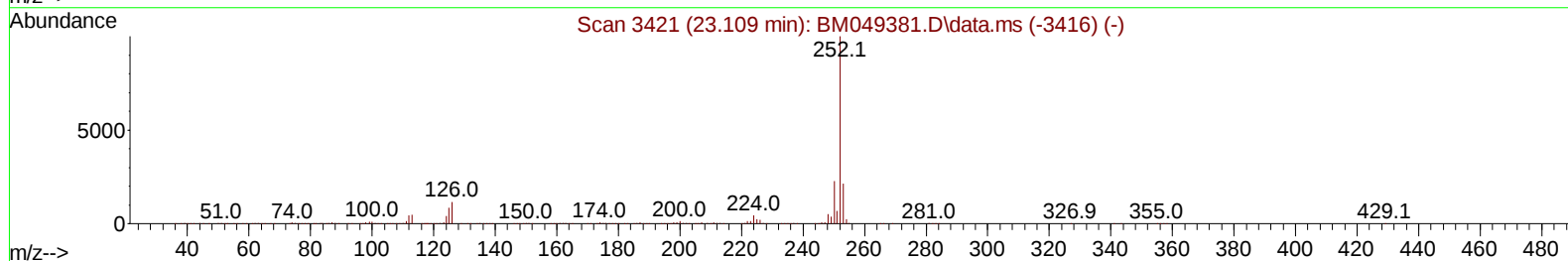
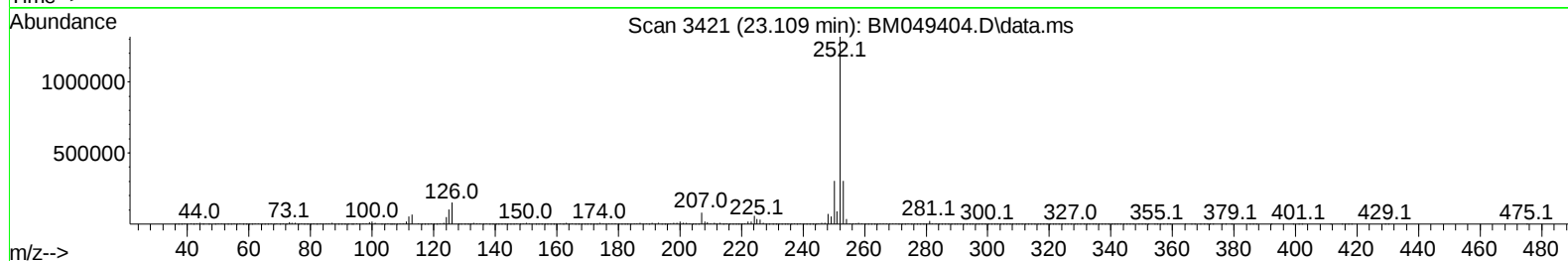
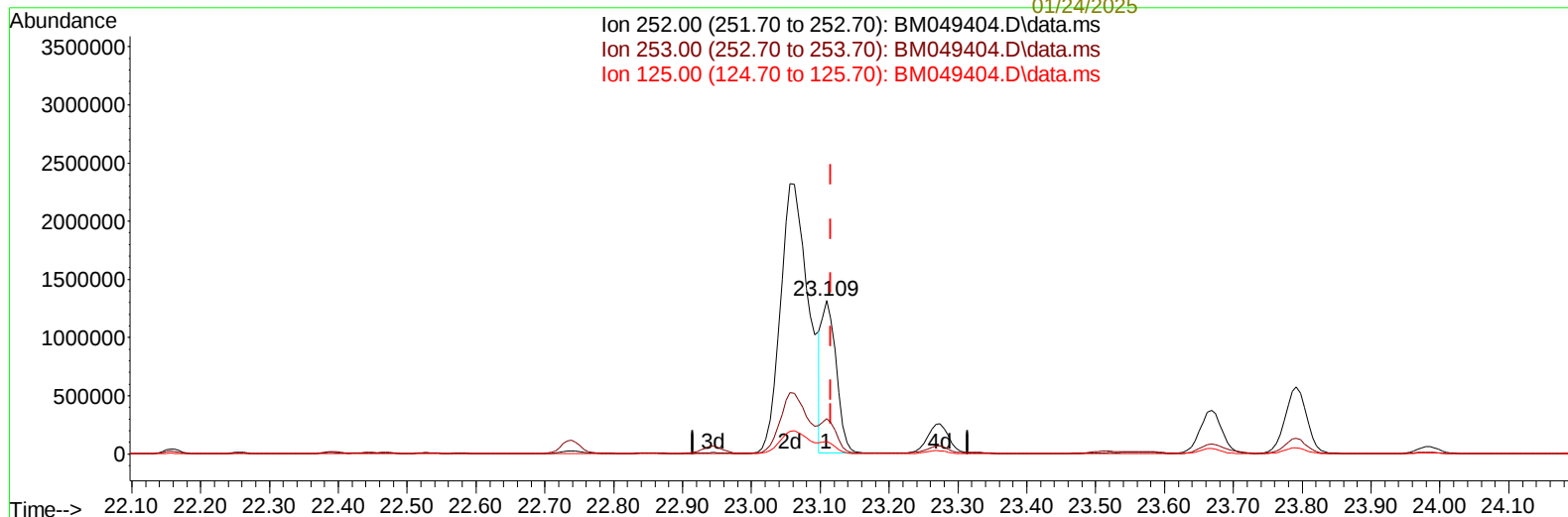
Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

Supervised By :mohammad
ahmed
01/24/2025

Quant Time: Jan 23 05:42:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 13 16:56:06 2025
Response via : Initial Calibration

Ion 252.00 (251.70 to 252.70): BM049404.D\data.ms
Ion 253.00 (252.70 to 253.70): BM049404.D\data.ms
Ion 125.00 (124.70 to 125.70): BM049404.D\data.ms



TIC: BM049404.D\data.ms

(91) Benzo(k)fluoranthene

23.109min (-0.006) 19.03 ng/u1

response 1914112

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.00	23.14
125.00	8.10	7.96
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049404.D
Acq On : 23 Jan 2025 05:09
Operator : RC/JU
Sample : Q1139-08
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCZH5

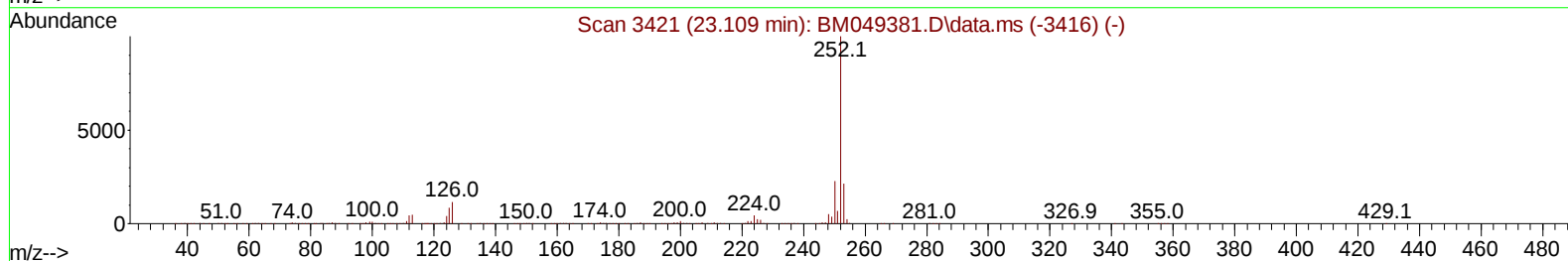
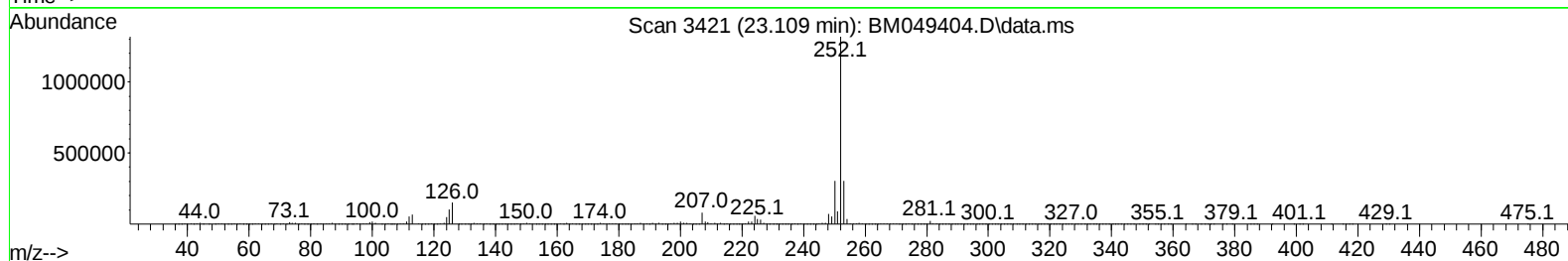
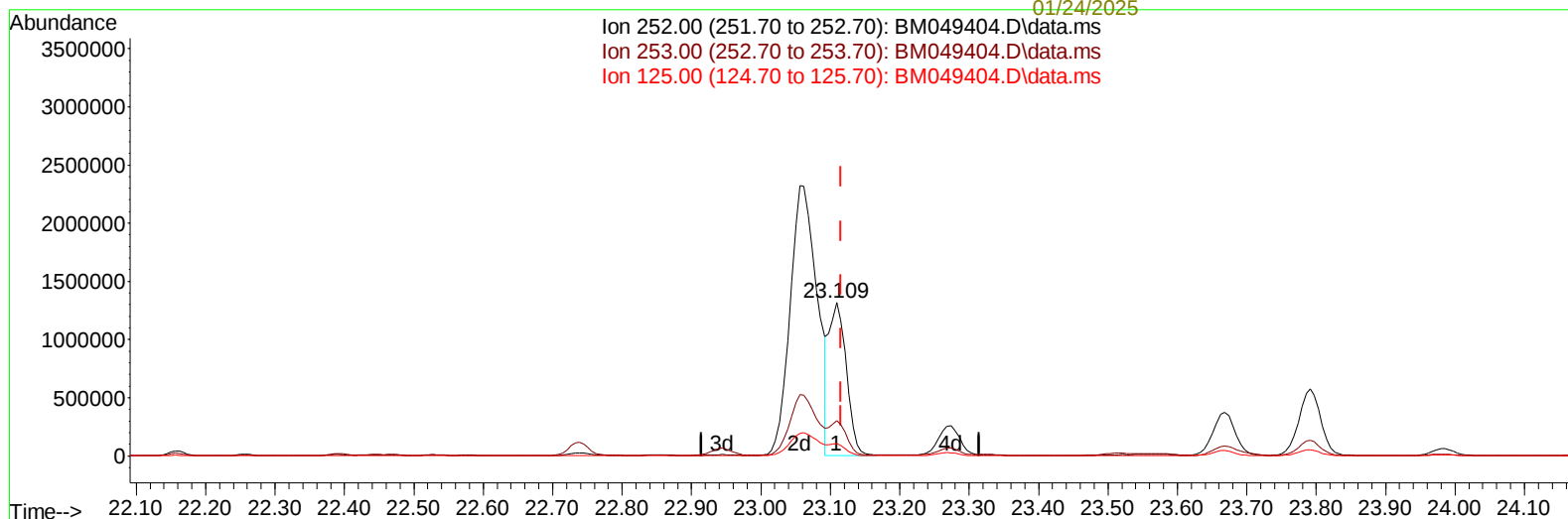
Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025

Supervised By :mohammad
ahmed
01/24/2025

Quant Time: Jan 23 05:42:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 13 16:56:06 2025
Response via : Initial Calibration

Ion 252.00 (251.70 to 252.70): BM049404.D\data.ms
Ion 253.00 (252.70 to 253.70): BM049404.D\data.ms
Ion 125.00 (124.70 to 125.70): BM049404.D\data.ms



TIC: BM049404.D\data.ms

(91) Benzo(k)fluoranthene

23.109min (-0.006) 22.95 ng/u1 m

response 2308195

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.00	23.14
125.00	8.10	7.96
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049404.D
 Acq On : 23 Jan 2025 05:09
 Operator : RC/JU
 Sample : Q1139-08
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZH5

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 01/24/2025
 Supervised By :mohammad ahmed 01/24/2025

Supervised By :mohammad
 ahmed
 01/24/2025

Quant Time: Jan 23 05:43:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM011325.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 13 16:56:06 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.516	152	436883	20.000	ng/ul	0.00
20) Naphthalene-d8	10.281	136	1689273	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.163	164	1050474	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.933	188	1540589	20.000	ng/ul	0.02
79) Chrysene-d12	21.150	240	1456363	20.000	ng/ul	0.00
88) Perylene-d12	23.921	264	1506869	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.122	96	28480	2.697	ng/uL	0.00
4) Pyridine-d5	3.516	84	159089	4.733	ng/ul	0.00
7) Phenol-d5	6.710	99	546330	14.897	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67	377675	15.466	ng/ul	0.00
11) 2-Chlorophenol-d4	7.057	132	447881	15.964	ng/ul	0.00
15) 4-Methylphenol-d8	8.228	113	414460	14.574	ng/ul	-0.01
21) Nitrobenzene-d5	8.663	128	215241	16.709	ng/ul	0.00
24) 2-Nitrophenol-d4	9.375	143	232865	16.170	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.910	165	462630	15.744	ng/ul	0.00
31) 4-Chloroaniline-d4	10.428	131	380853	9.850	ng/ul	0.00
46) Dimethylphthalate-d6	13.586	166	1316250	16.835	ng/ul	0.00
49) Acenaphthylene-d8	13.851	160	1376835	15.426	ng/ul	0.00
54) 4-Nitrophenol-d4	14.398	143	176567	13.638	ng/ul	0.00
60) Fluorene-d10	15.168	176	1046485	15.494	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.327	200	30333	3.089	ng/ul	0.04
73) Anthracene-d10	17.051	188	714174m	9.378	ng/ul	0.04
81) Pyrene-d10	19.321	212	1199840	13.537	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.733	264	700472	8.659	ng/ul	-0.01
Target Compounds						
					Qvalue	
30) Naphthalene	10.333	128	10091693	112.567	ng/ul	98
36) 2-Methylnaphthalene	11.963	142	11884683	185.257	ng/ul	99
37) 1-Methylnaphthalene	12.175	142	984430	15.423	ng/ul	100
50) Acenaphthylene	13.880	152	654910	7.157	ng/ul#	92
52) Acenaphthene	14.233	153	11375156	173.991	ng/ul	99
61) Fluorene	15.233	166	33173348m	437.330	ng/ul	
71) Pentachlorophenol	16.604	266	196846	14.584	ng/ul	97
72) Phenanthrene	16.962	178	47636307m	556.191	ng/ul	
74) Anthracene	17.074	178	64088162m	745.494	ng/ul	
80) Fluoranthene	18.992	202	24785739m	243.365	ng/ul	
82) Pyrene	19.356	202	19087511m	176.064	ng/ul	
85) Benzo(a)anthracene	21.133	228	7801864	76.871	ng/ul	97
87) Chrysene	21.192	228	10205120	110.141	ng/ul	97
90) Benzo(b)fluoranthene	23.056	252	6217703	61.647	ng/ul	98
91) Benzo(k)fluoranthene	23.109	252	2308195m	22.953	ng/ul	
93) Benzo(a)pyrene	23.791	252	1253348	13.758	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.991	276	786804	7.529	ng/ul	99
95) Dibenzo(a,h)anthracene	27.032	278	341890	4.017	ng/ul	96

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

