

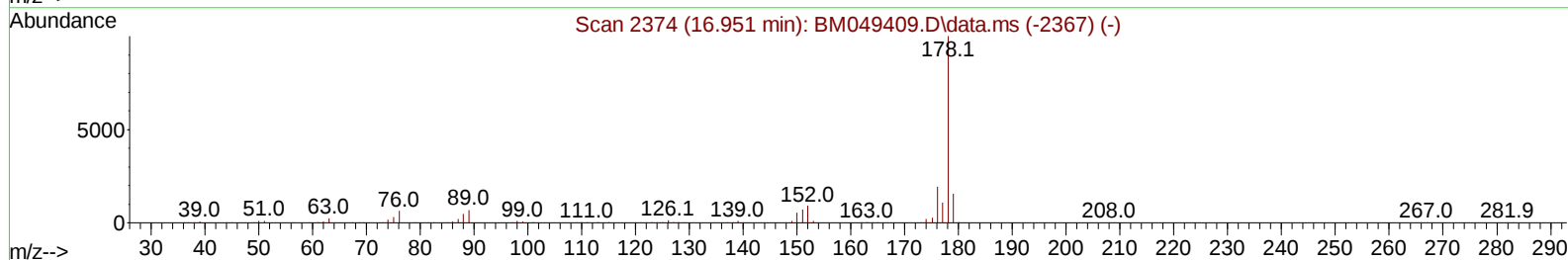
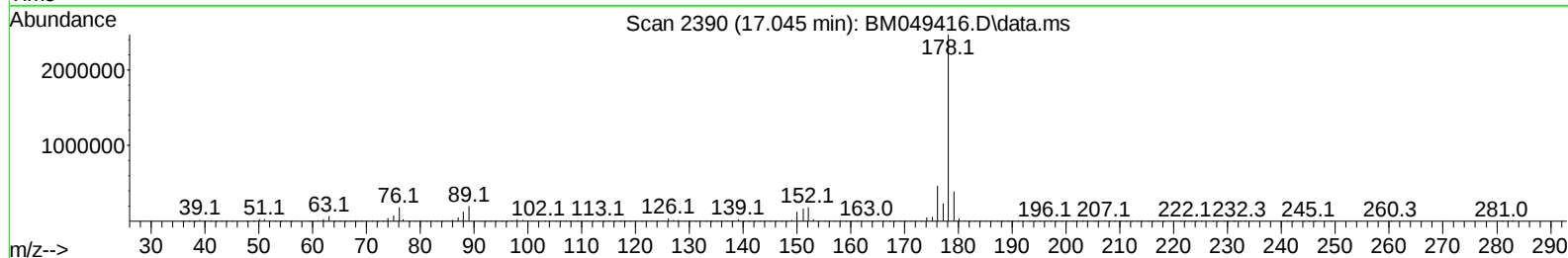
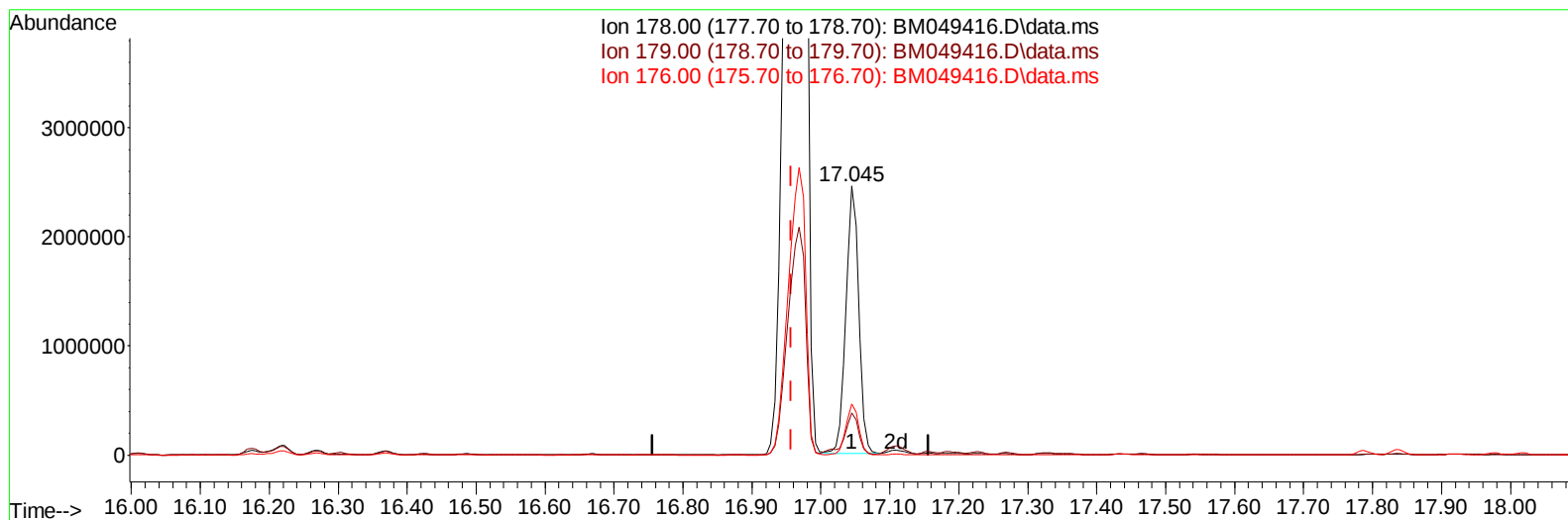
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049416.D
Acq On : 23 Jan 2025 12:56
Operator : RC/JU
Sample : Q1139-12DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCZH9DL

Manual IntegrationsAPPROVED

Quant Time: Jan 23 22:09:37 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

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



TIC: BM049416.D\data.ms

(72) Phenanthrene

17.045min (+ 0.088) 44.66 ng/u1

response 3142156

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.80	15.81
176.00	19.30	19.11
0.00	0.00	0.00

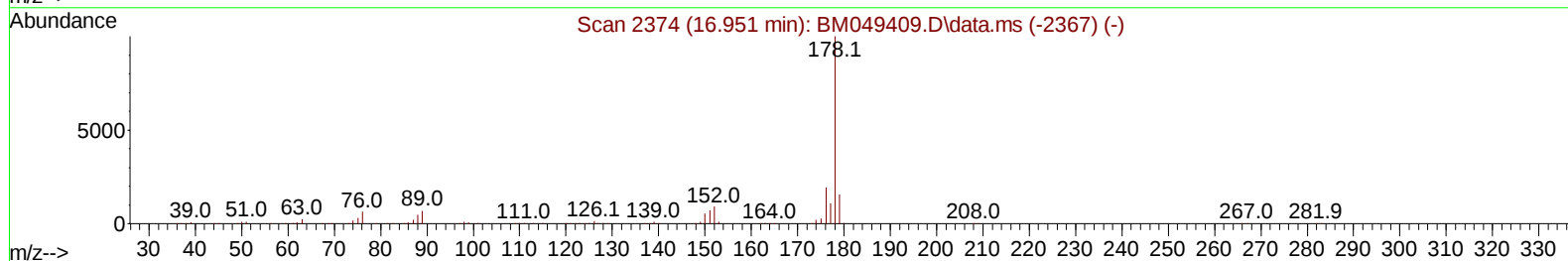
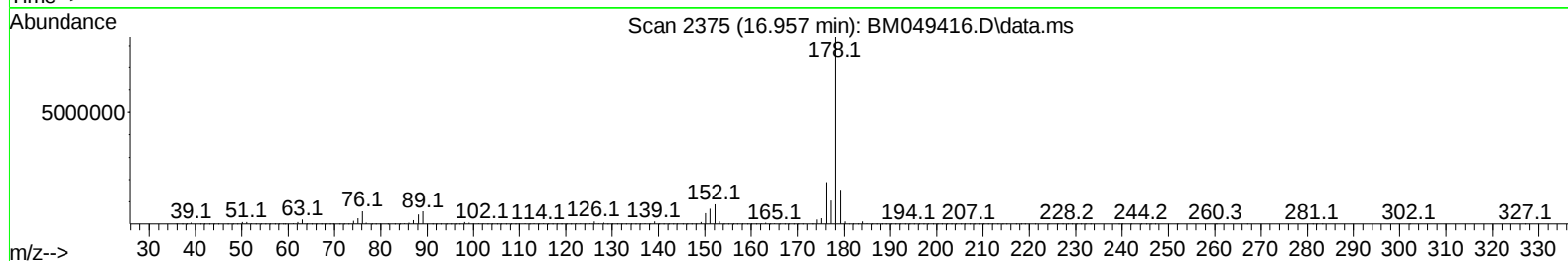
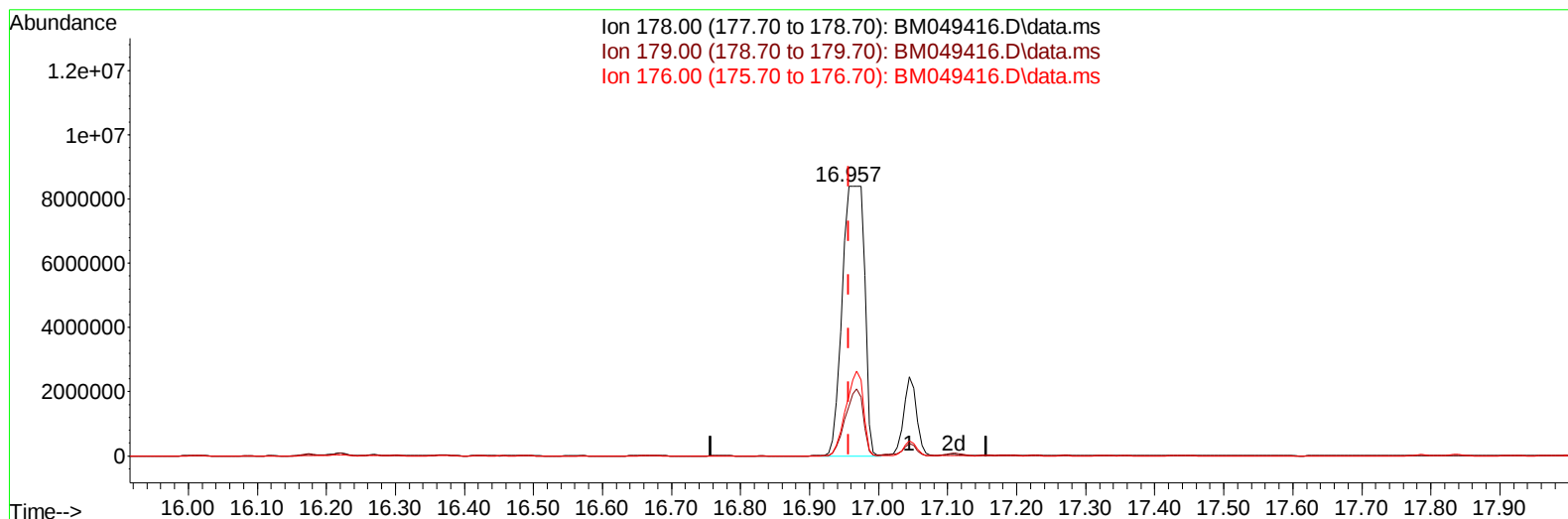
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049416.D
Acq On : 23 Jan 2025 12:56
Operator : RC/JU
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Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025



TIC: BM049416.D\data.ms

(72) Phenanthrene

16.957min (+ 0.000) 266.79 ng/u1 m

response 18769812

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.80	18.48
176.00	19.30	22.41
0.00	0.00	0.00

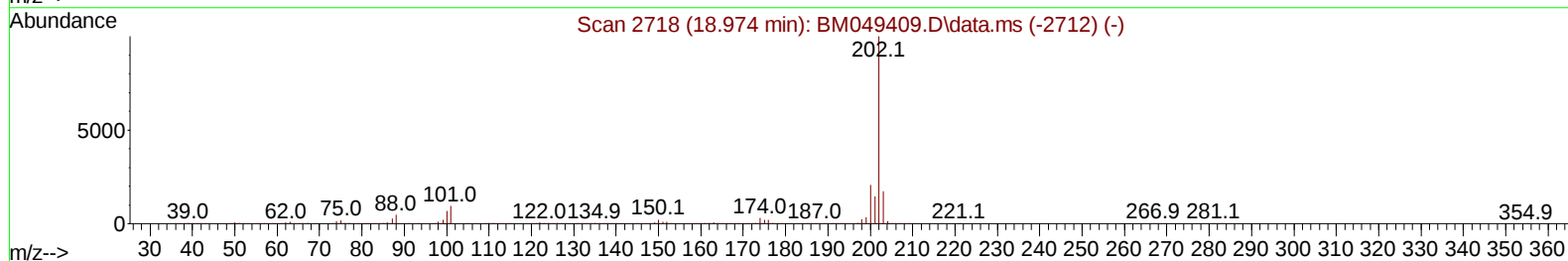
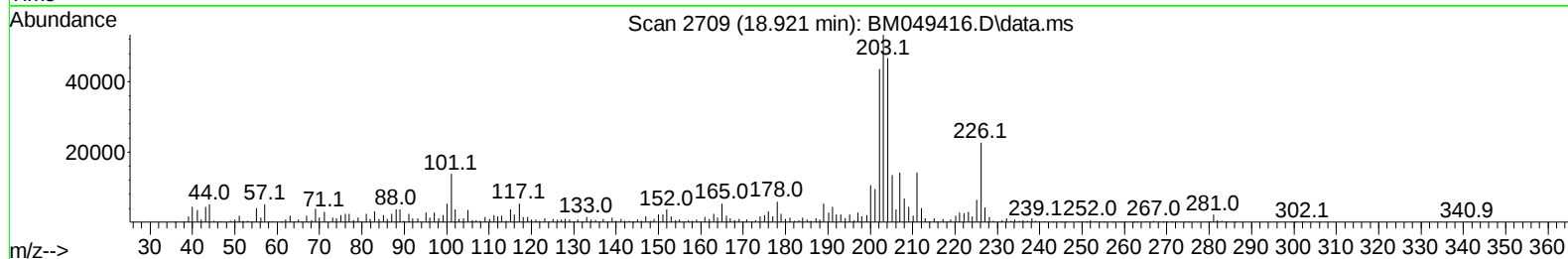
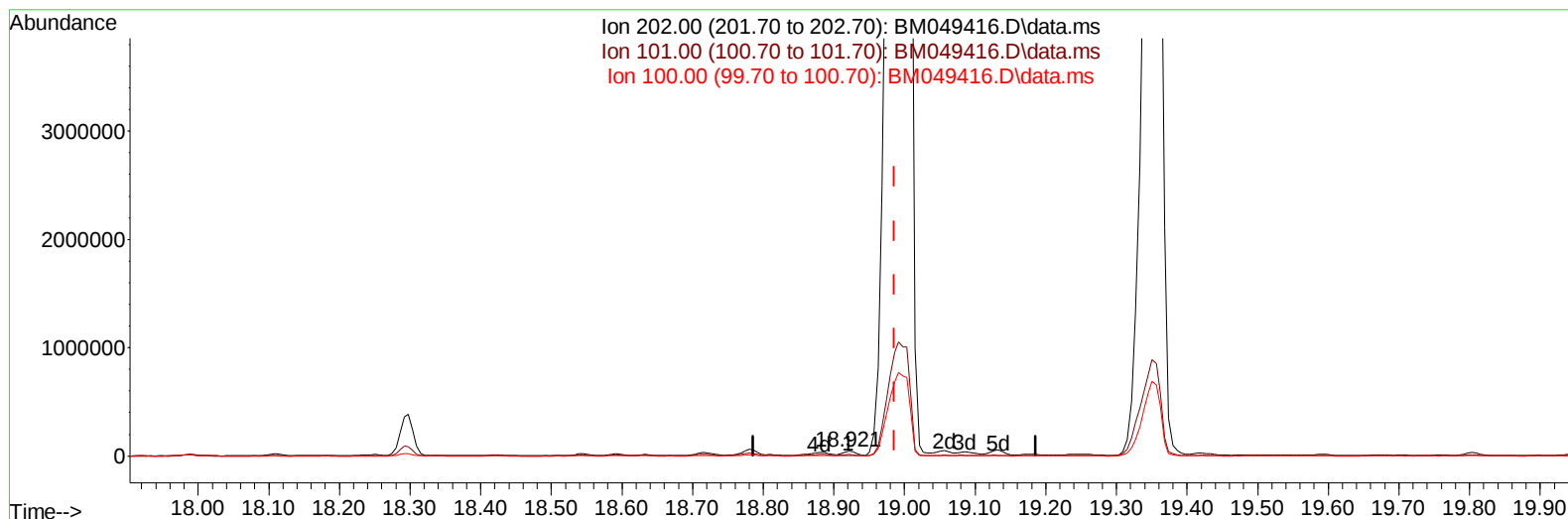
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049416.D
Acq On : 23 Jan 2025 12:56
Operator : RC/JU
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Reviewed By :Yogesh Patel 01/24/2025
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TIC: BM049416.D\data.ms

(80) Fluoranthene

18.921min (-0.065) 0.61 ng/u1

response 46940

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	8.70	31.71#
100.00	6.30	12.45#
0.00	0.00	0.00

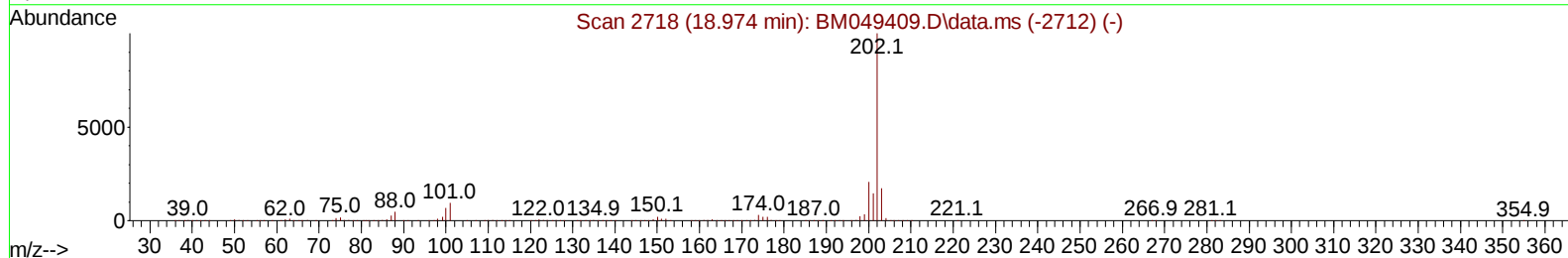
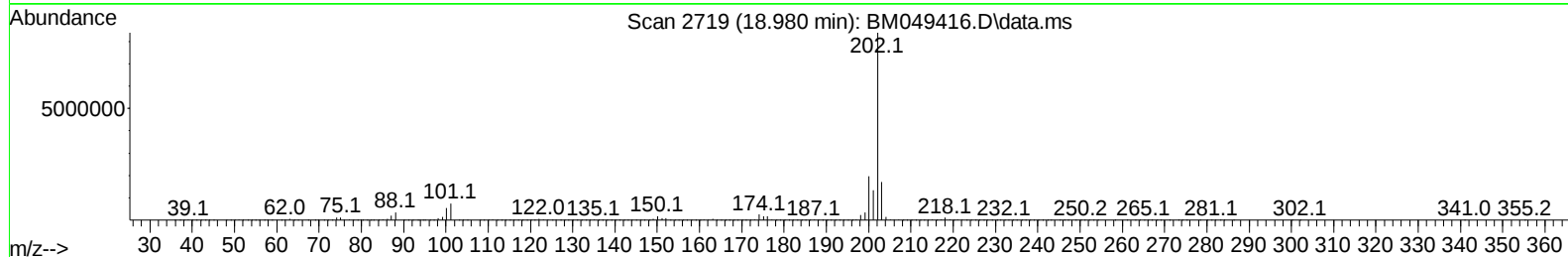
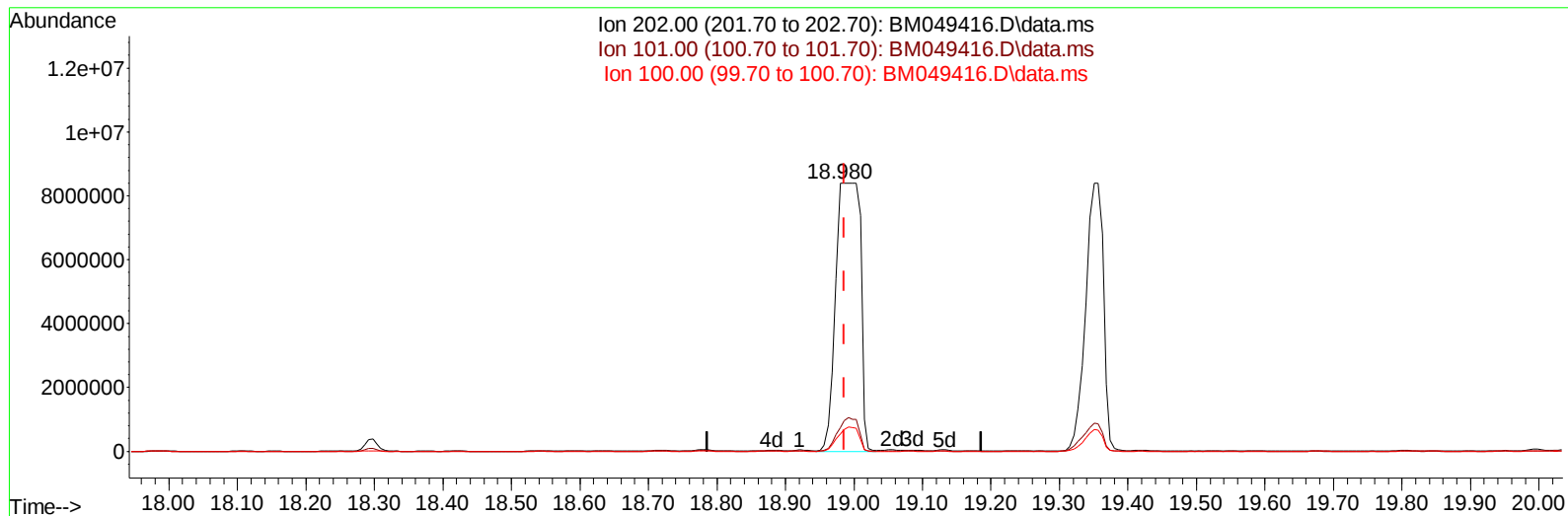
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
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Instrument :
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ClientSampleId :
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Manual IntegrationsAPPROVED

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



TIC: BM049416.D\data.ms

(80) Fluoranthene

18.980min (-0.006) 271.46 ng/ul m

response 20965877

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	8.70	8.90
100.00	6.30	6.45
0.00	0.00	0.00

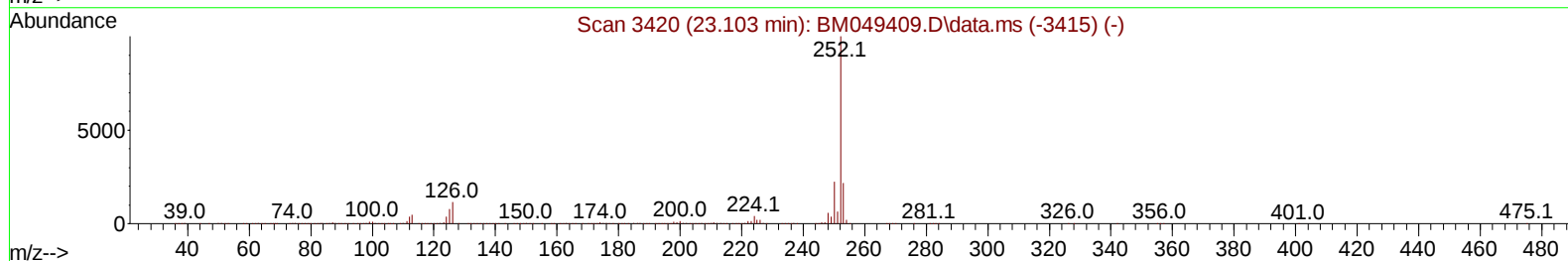
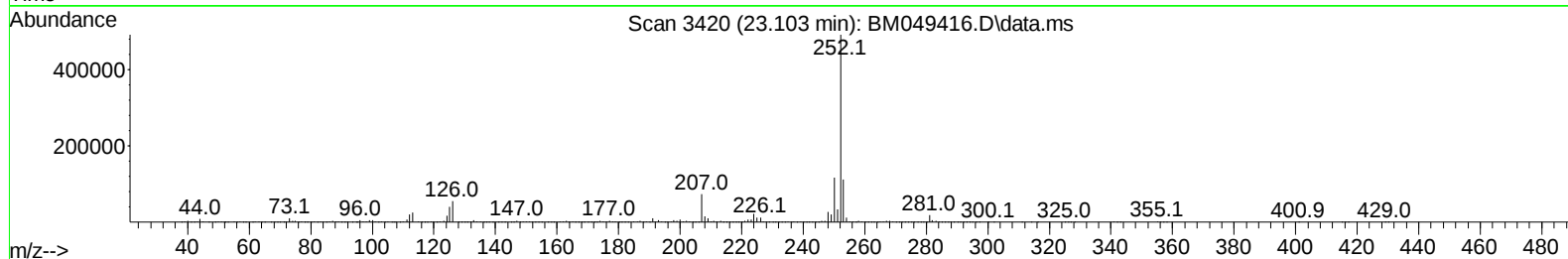
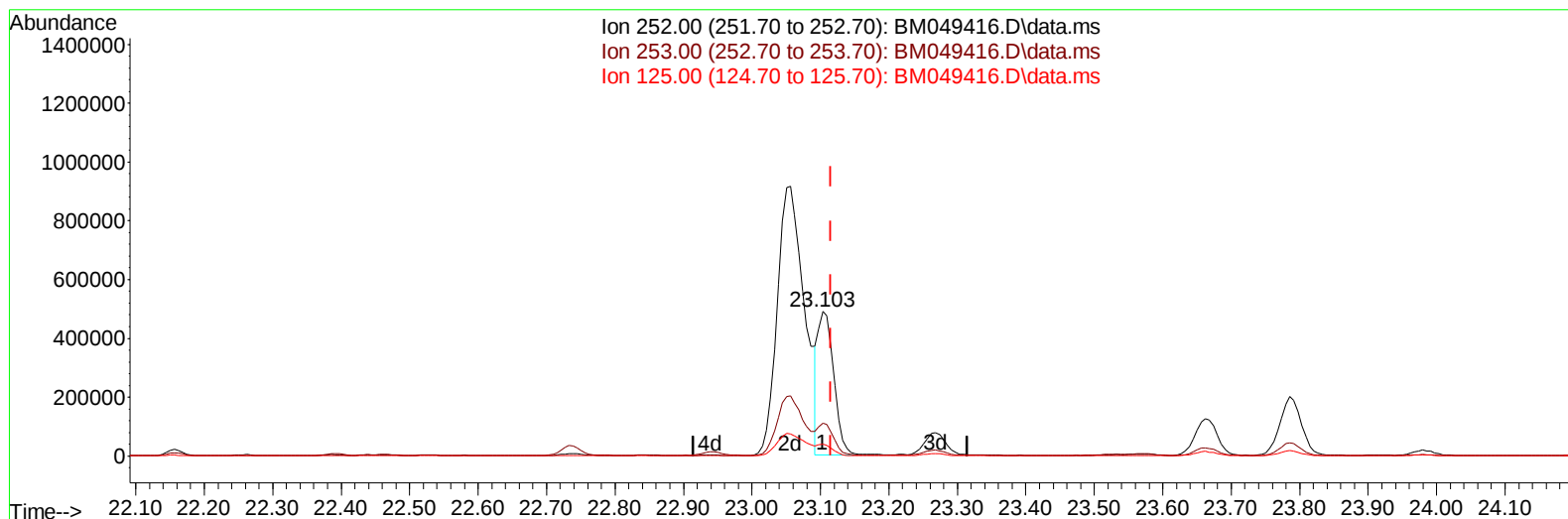
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049416.D
Acq On : 23 Jan 2025 12:56
Operator : RC/JU
Sample : Q1139-12DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual IntegrationsAPPROVED

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



TIC: BM049416.D\data.ms

(91) Benzo(k)fluoranthene

23.103min (-0.012) 10.98 ng/u1

response 783576

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.00	22.77
125.00	8.10	8.31
0.00	0.00	0.00

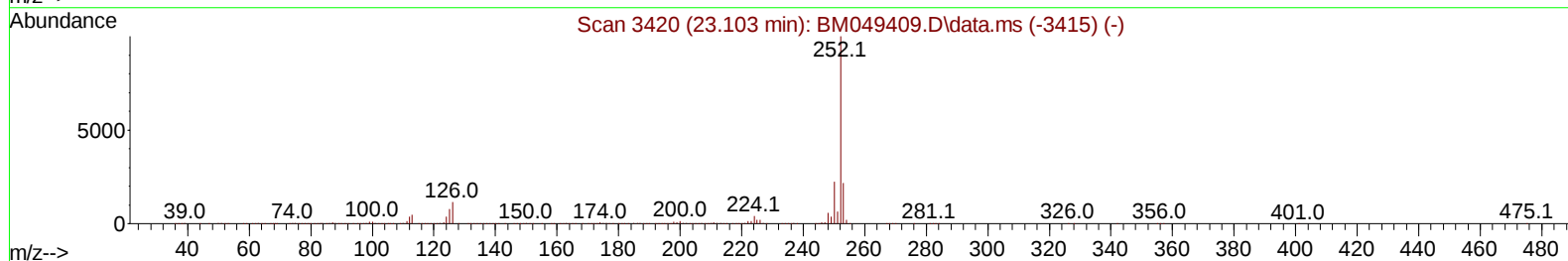
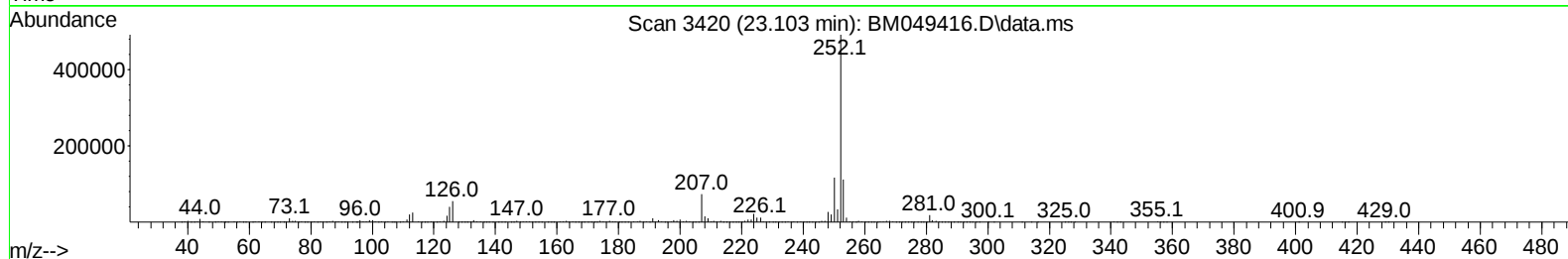
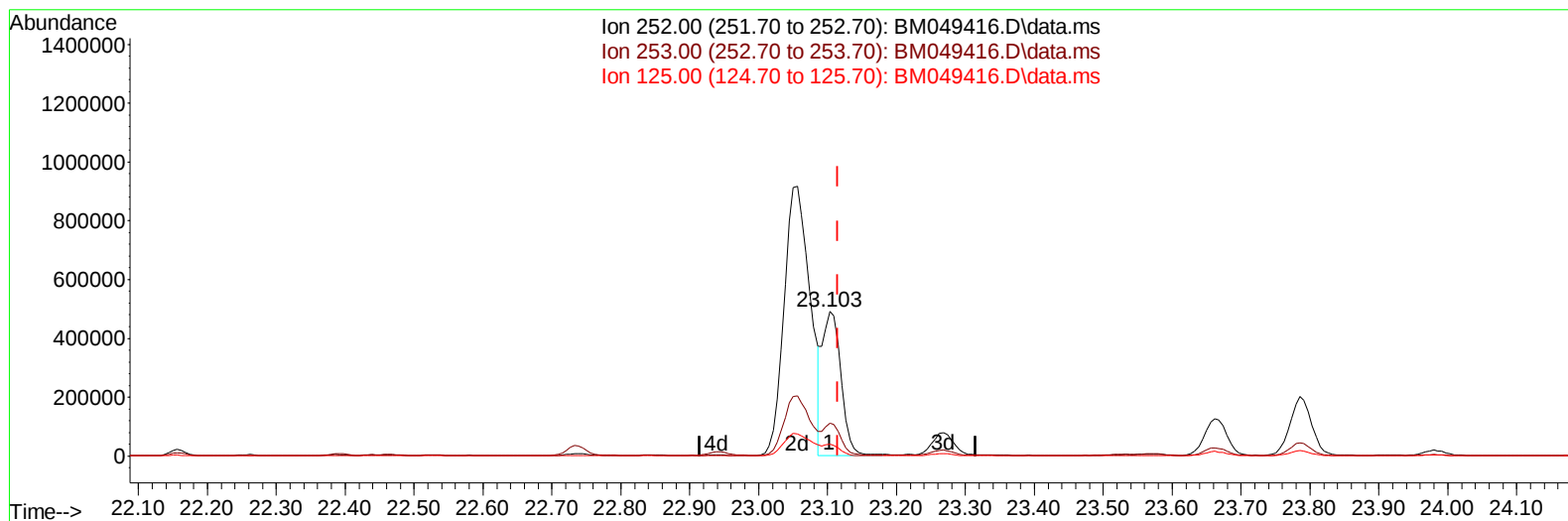
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049416.D
Acq On : 23 Jan 2025 12:56
Operator : RC/JU
Sample : Q1139-12DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCZH9DL

Manual IntegrationsAPPROVED

Quant Time: Jan 23 22:09:37 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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Reviewed By :Yogesh Patel 01/24/2025
Supervised By :mohammad ahmed 01/24/2025



TIC: BM049416.D\data.ms

(91) Benzo(k)fluoranthene

23.103min (-0.012) 13.03 ng/u1 m

response 929270

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.00	22.77
125.00	8.10	8.31
0.00	0.00	0.00

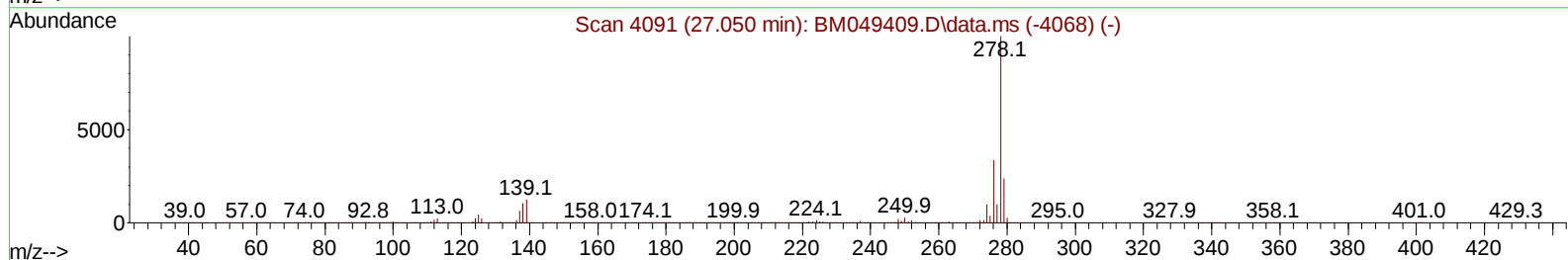
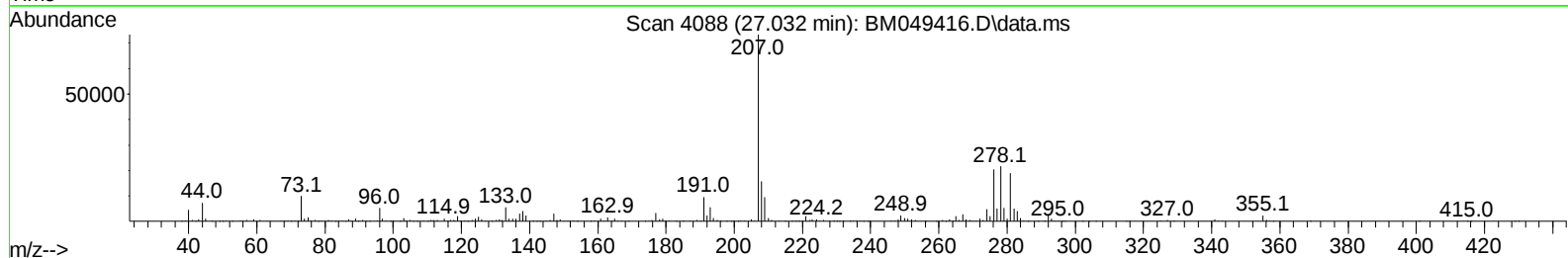
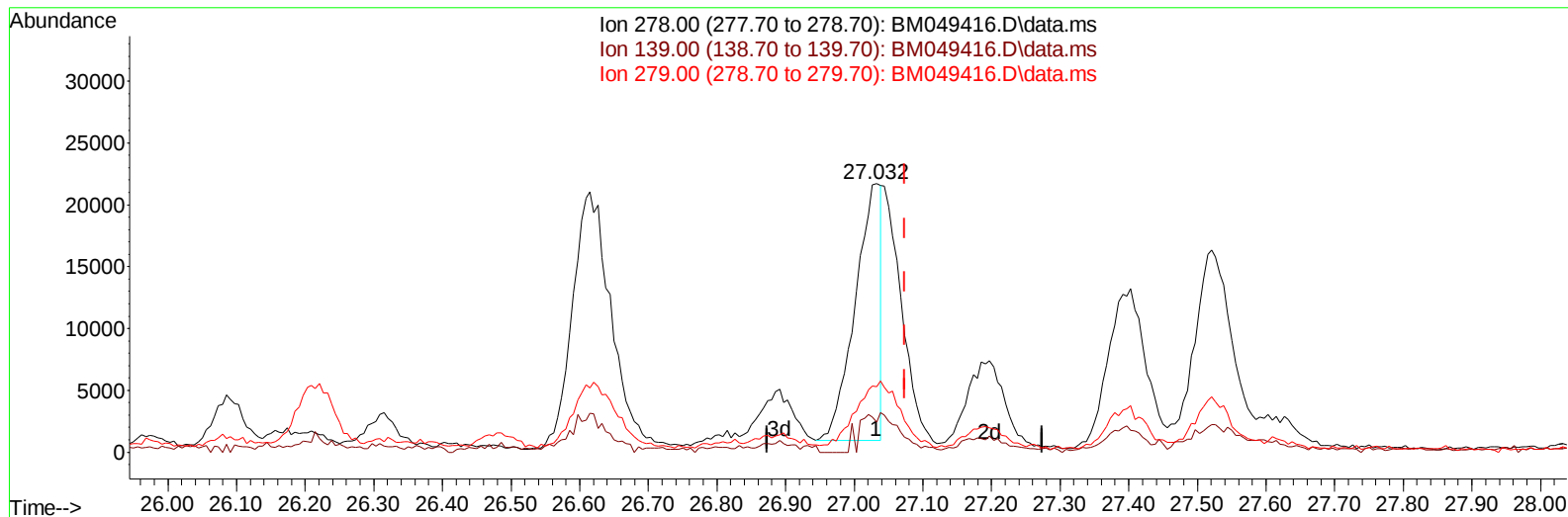
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049416.D
Acq On : 23 Jan 2025 12:56
Operator : RC/JU
Sample : Q1139-12DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCZH9DL

Manual IntegrationsAPPROVED

Quant Time: Jan 23 22:41:23 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

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



TIC: BM049416.D\data.ms

(95) Dibenzo(a,h)anthracene

27.032min (-0.041) 0.91 ng/u1

response 54755

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	12.40	11.26
279.00	24.20	24.43
0.00	0.00	0.00

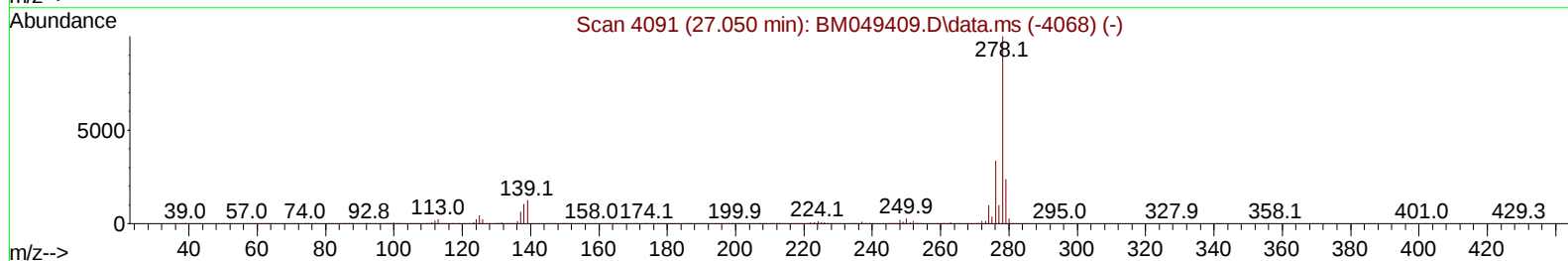
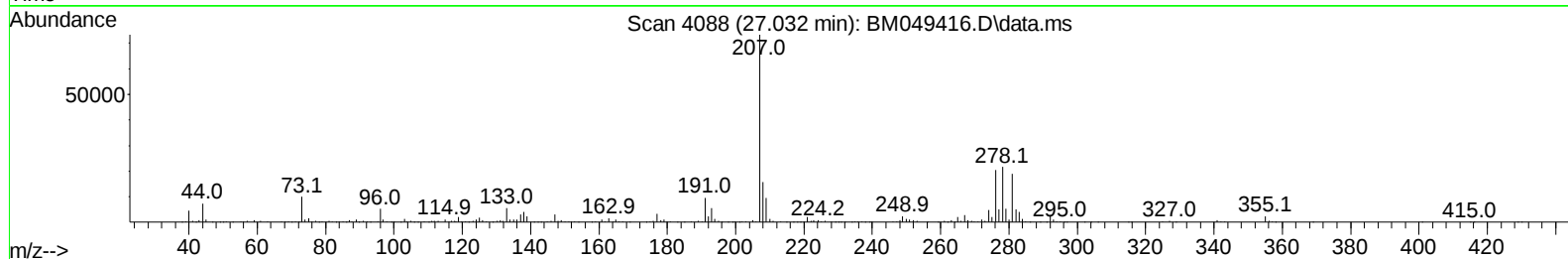
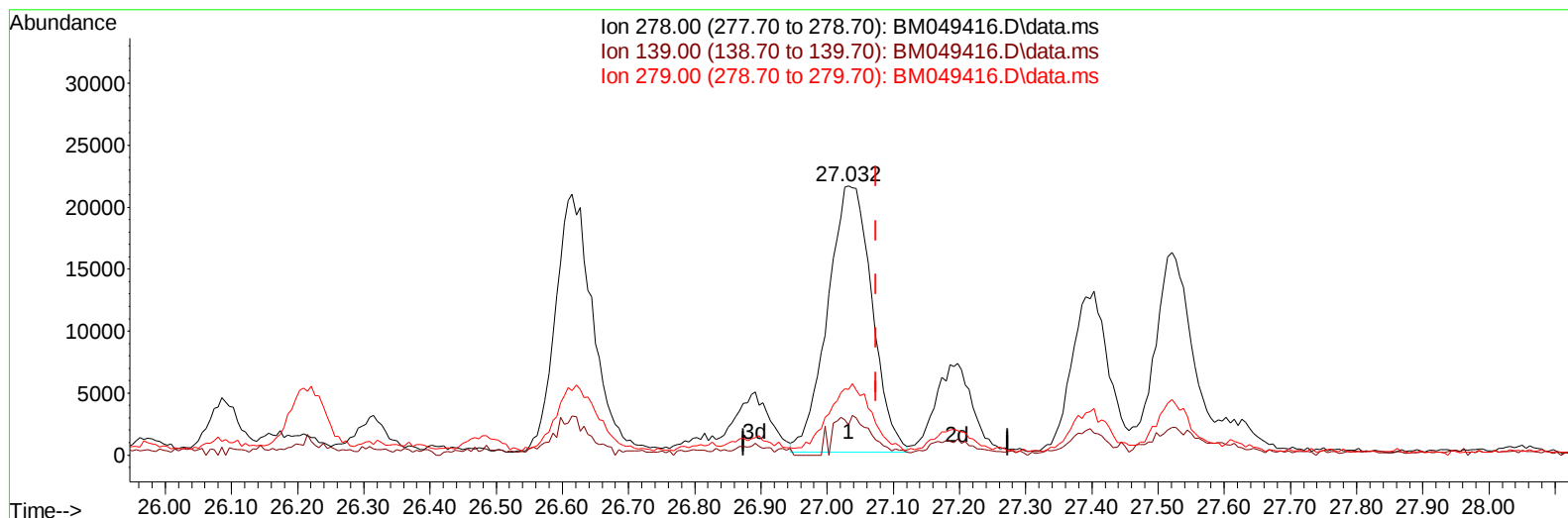
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
Data File : BM049416.D
Acq On : 23 Jan 2025 12:56
Operator : RC/JU
Sample : Q1139-12DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCZH9DL

Manual IntegrationsAPPROVED

Quant Time: Jan 23 22:41:23 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

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



TIC: BM049416.D\data.ms

(95) Dibenzo(a,h)anthracene

27.032min (-0.041) 1.65 ng/ul m

response 99825

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	12.40	11.26
279.00	24.20	24.43
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM012225\
 Data File : BM049416.D
 Acq On : 23 Jan 2025 12:56
 Operator : RC/JU
 Sample : Q1139-12DL 10X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCZH9DL

Manual IntegrationsAPPROVED

Quant Time: Jan 23 22:41:50 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

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

Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.516	152		284222	20.000	ng/ul	0.00
20) Naphthalene-d8	10.281	136		1042293	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.157	164		654082	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.915	188		1265504	20.000	ng/ul	0.00
79) Chrysene-d12	21.145	240		1104404	20.000	ng/ul	0.00
88) Perylene-d12	23.921	264		1069038	20.000	ng/ul	-0.01
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.122	96		3741	0.545	ng/uL	0.00
4) Pyridine-d5	0.000	84		0d	0.000	ng/ul	
7) Phenol-d5	6.710	99		51838	2.173	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.869	67		40629	2.557	ng/ul	0.00
11) 2-Chlorophenol-d4	7.057	132		44316	2.428	ng/ul	0.00
15) 4-Methylphenol-d8	8.234	113		39243	2.121	ng/ul	0.00
21) Nitrobenzene-d5	8.663	128		19415	2.443	ng/ul	0.00
24) 2-Nitrophenol-d4	9.375	143		18915	2.129	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.916	165		41967	2.315	ng/ul	0.00
31) 4-Chloroaniline-d4	10.439	131		21196	0.888	ng/ul	0.01
46) Dimethylphthalate-d6	13.580	166		141423	2.905	ng/ul	0.00
49) Acenaphthylene-d8	13.845	160		140736	2.532	ng/ul	0.00
54) 4-Nitrophenol-d4	0.000	143		0d	0.000	ng/ul	
60) Fluorene-d10	15.157	176		109740	2.609	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.298	200		3016	0.374	ng/ul	0.00
73) Anthracene-d10	17.010	188		155478	2.485	ng/ul	0.00
81) Pyrene-d10	19.315	212		143816	2.140	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.727	264		68907	1.201	ng/ul	-0.02
Target Compounds							
						Qvalue	
30) Naphthalene	10.328	128		110289	1.994	ng/ul	98
37) 1-Methylnaphthalene	12.175	142		265256	6.735	ng/ul	98
50) Acenaphthylene	13.874	152		145521	2.554	ng/ul#	96
52) Acenaphthene	14.227	153		4153172	102.024	ng/ul	99
61) Fluorene	15.216	166		4478473	94.821	ng/ul	99
72) Phenanthrene	16.957	178		18769812m	266.790	ng/ul	
74) Anthracene	17.045	178		3142156	44.496	ng/ul	100
80) Fluoranthene	18.980	202		20965877m	271.463	ng/ul	
82) Pyrene	19.351	202		15126486	183.993	ng/ul	99
85) Benzo(a)anthracene	21.127	228		4101013	53.284	ng/ul	98
87) Chrysene	21.186	228		5193357	73.913	ng/ul	99
90) Benzo(b)fluoranthene	23.056	252		2390095	33.403	ng/ul	99
91) Benzo(k)fluoranthene	23.103	252		929270m	13.025	ng/ul	
93) Benzo(a)pyrene	23.786	252		432488	6.692	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.997	276		221511	2.988	ng/ul	97
95) Dibenzo(a,h)anthracene	27.032	278		99825m	1.653	ng/ul	

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

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