

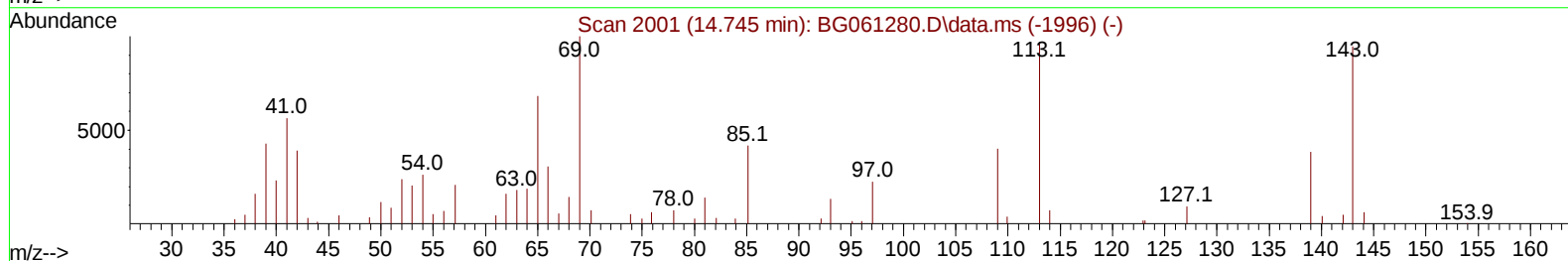
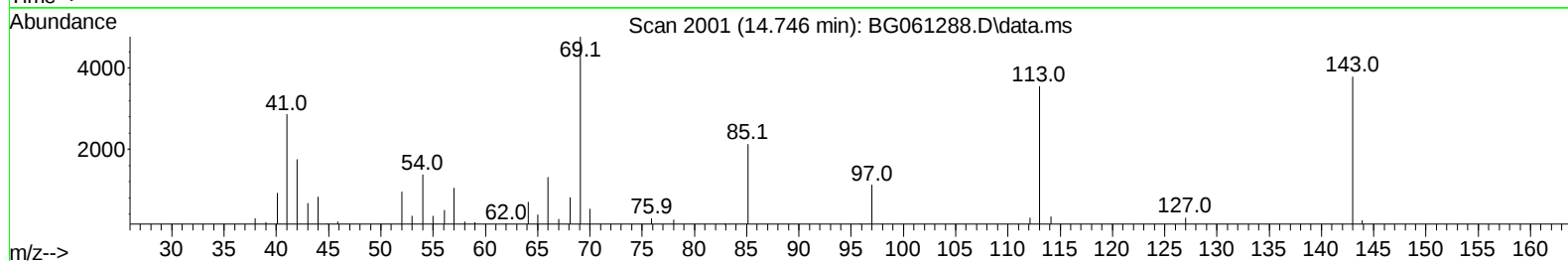
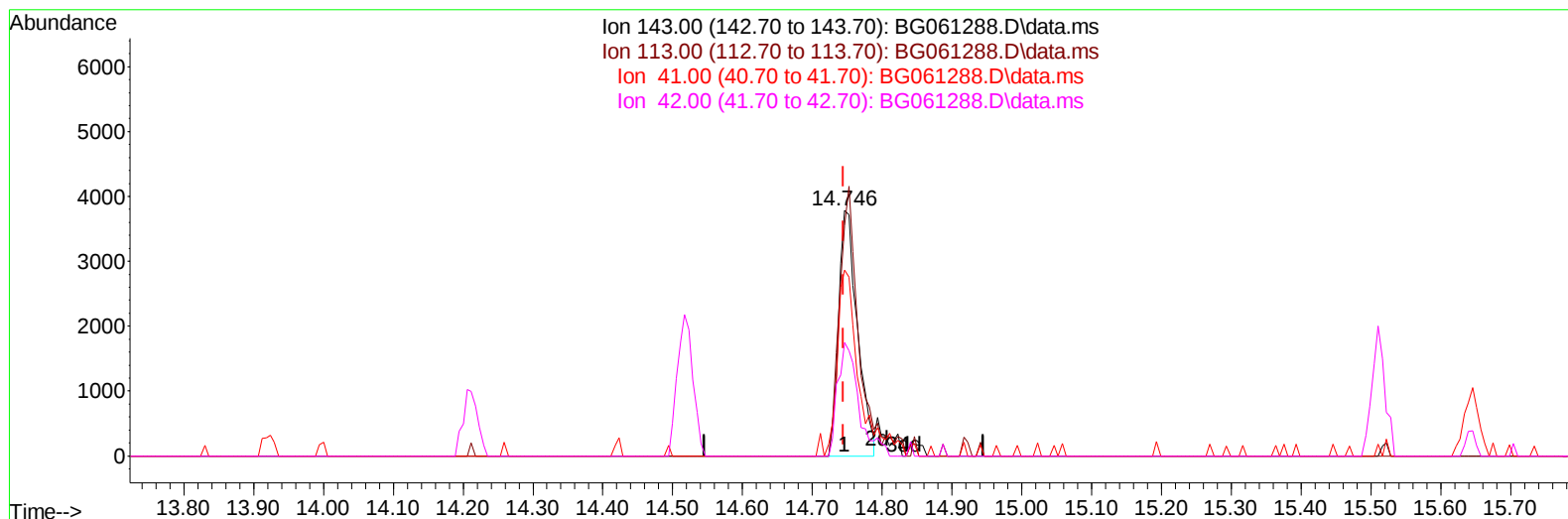
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052424\
Data File : BG061288.D
Acq On : 24 May 2024 15:11
Operator : MA/JU
Sample : P2548-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5Y5

Manual IntegrationsAPPROVED

Quant Time: May 24 23:48:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 21 15:23:39 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 05/25/2024
Supervised By :mohammad ahmed 05/27/2024



TIC: BG061288.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.746min (+ 0.001) 8.68 ng/u1

response 7048

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	122.20	93.72#
41.00	77.10	75.50
42.00	49.50	46.20

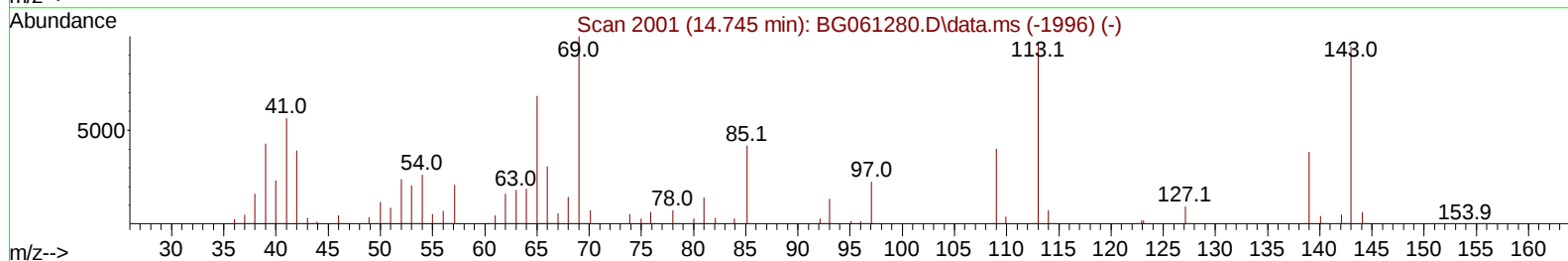
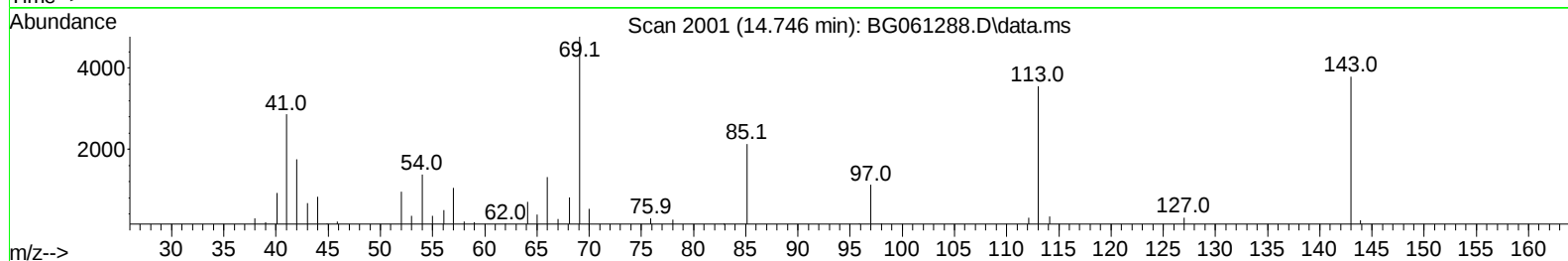
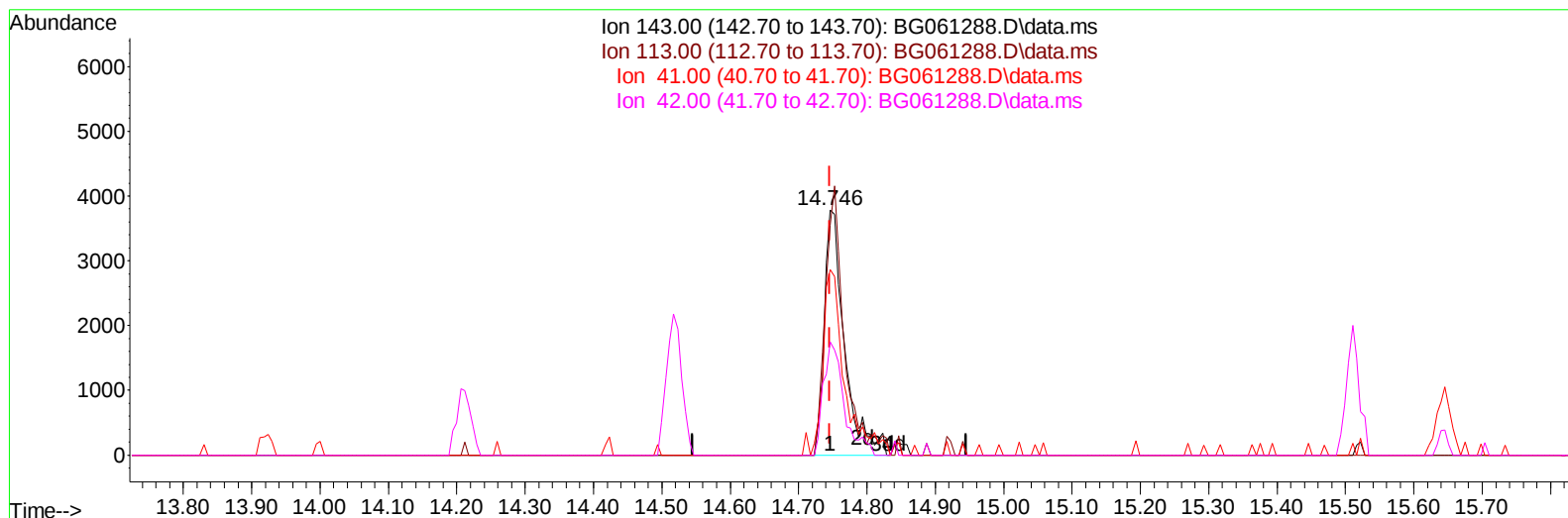
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052424\
Data File : BG061288.D
Acq On : 24 May 2024 15:11
Operator : MA/JU
Sample : P2548-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5Y5

Manual IntegrationsAPPROVED

Quant Time: May 24 23:48:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 21 15:23:39 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 05/25/2024
Supervised By :mohammad ahmed 05/27/2024



TIC: BG061288.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.746min (+ 0.001) 9.51 ng/ul m

response 7722

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	122.20	93.72#
41.00	77.10	75.50
42.00	49.50	46.20

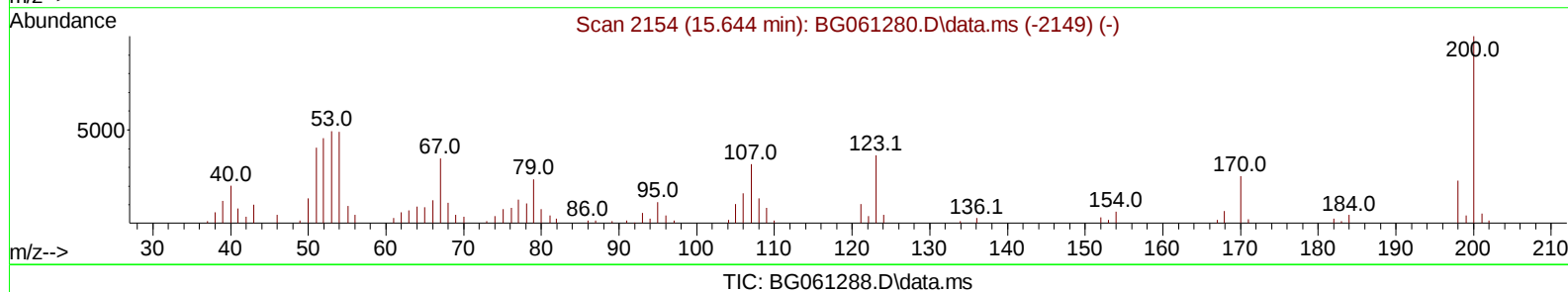
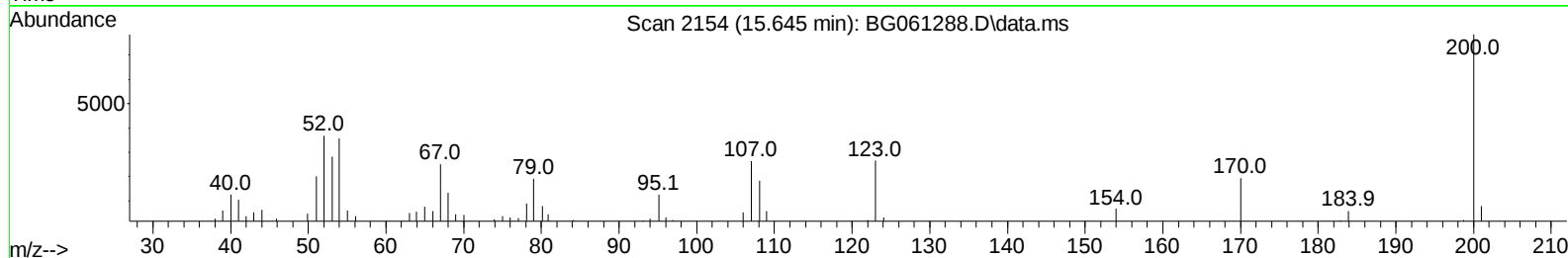
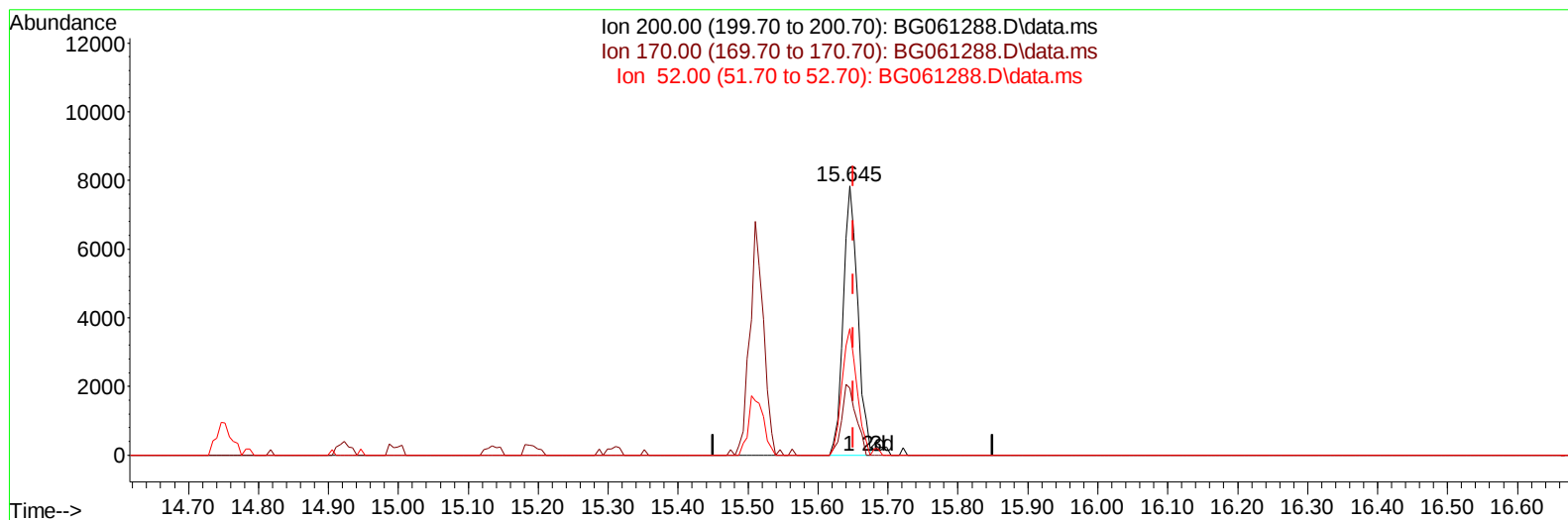
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052424\
Data File : BG061288.D
Acq On : 24 May 2024 15:11
Operator : MA/JU
Sample : P2548-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5Y5

Manual IntegrationsAPPROVED

Quant Time: May 24 23:48:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 21 15:23:39 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 05/25/2024
Supervised By :mohammad ahmed 05/27/2024



TIC: BG061288.D\data.ms

(65) 4,6-Dinitro-2-methylphenol-d2 (S)

15.645min (-0.005) 9.19 ng/u1

response 11435

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	25.30	24.85
52.00	60.50	46.97#
0.00	0.00	0.00

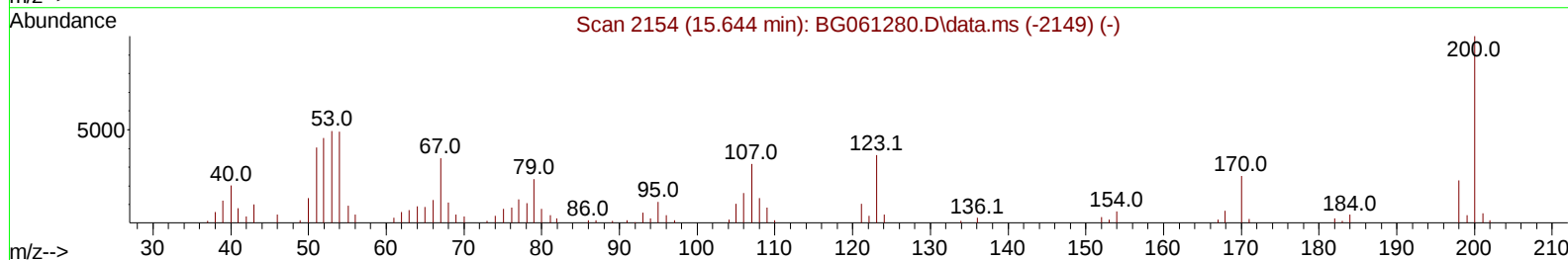
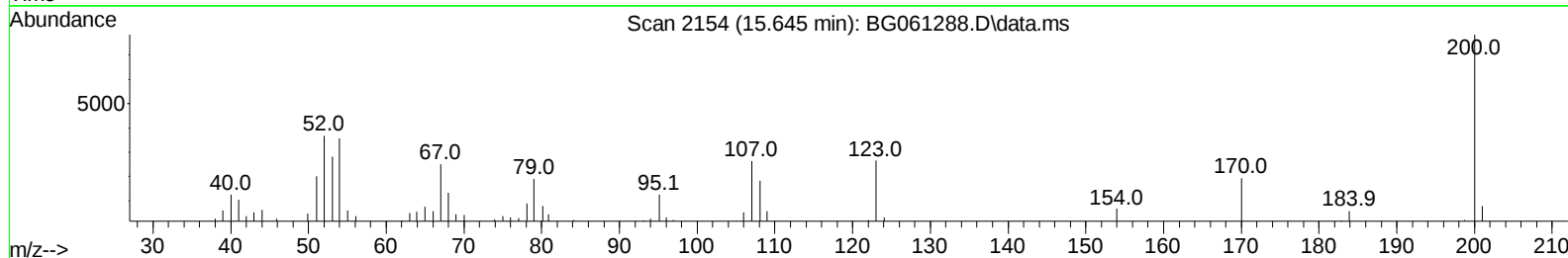
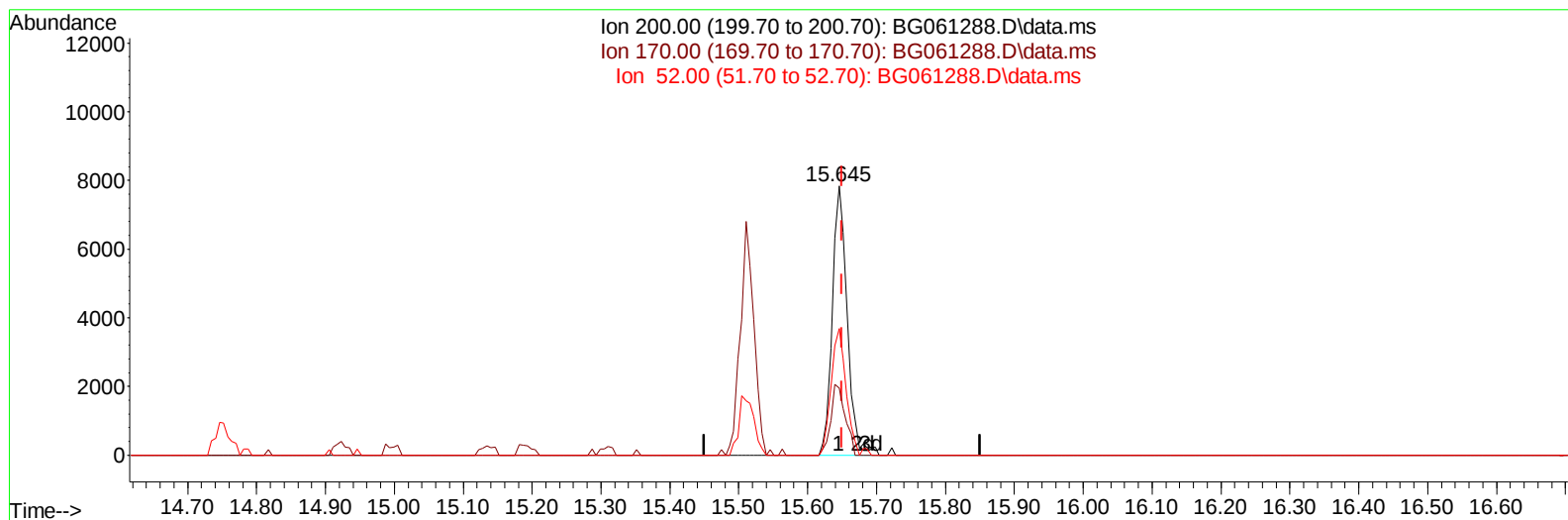
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052424\
Data File : BG061288.D
Acq On : 24 May 2024 15:11
Operator : MA/JU
Sample : P2548-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5Y5

Manual IntegrationsAPPROVED

Quant Time: May 24 23:48:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 21 15:23:39 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 05/25/2024
Supervised By :mohammad ahmed 05/27/2024



TIC: BG061288.D\data.ms

(65) 4,6-Dinitro-2-methylphenol-d2 (S)

15.645min (-0.005) 9.47 ng/ul m

response 11781

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	25.30	24.85
52.00	60.50	46.97#
0.00	0.00	0.00

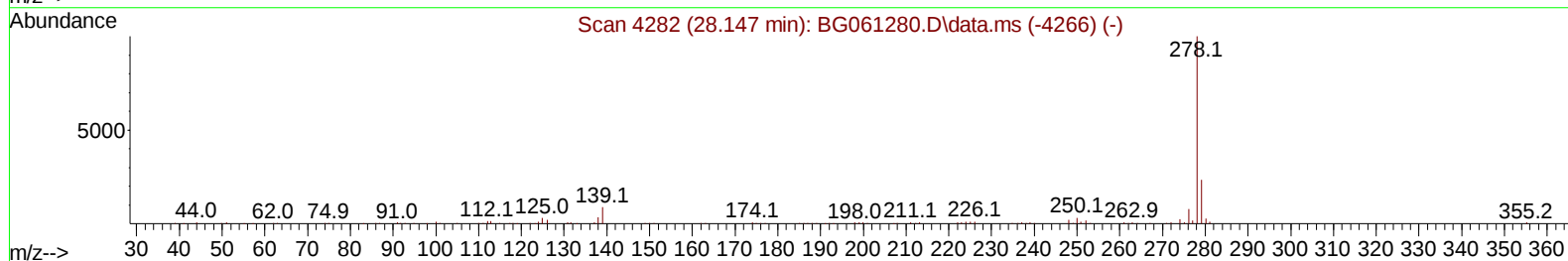
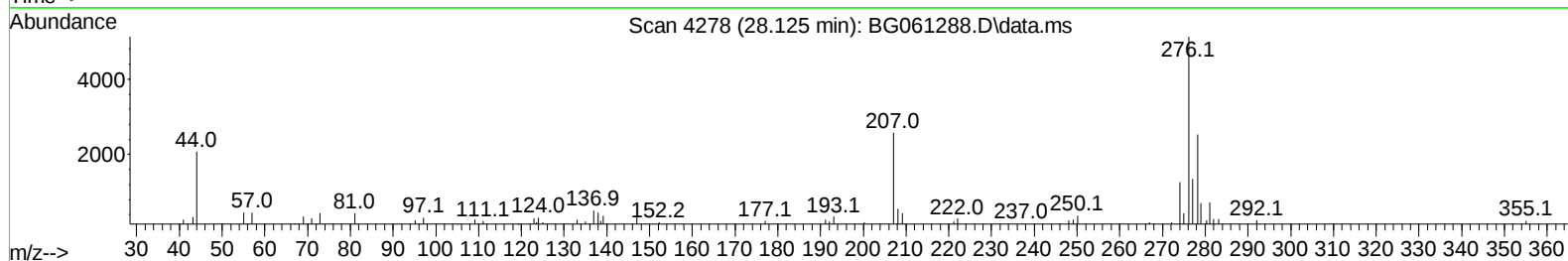
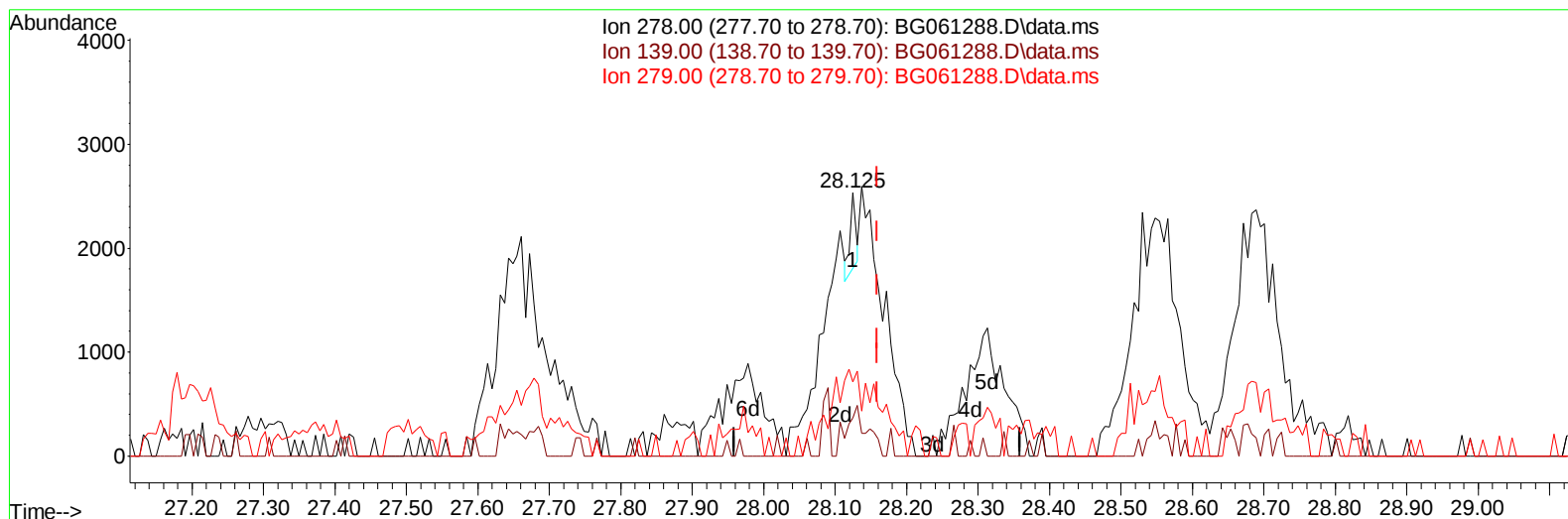
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052424\
 Data File : BG061288.D
 Acq On : 24 May 2024 15:11
 Operator : MA/JU
 Sample : P2548-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH5Y5

Manual IntegrationsAPPROVED

Quant Time: May 25 00:25:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 21 15:23:39 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 05/25/2024
 Supervised By :mohammad ahmed 05/27/2024



TIC: BG061288.D\data.ms

(95) Dibenzo(a,h)anthracene

28.125min (-0.034) 0.03 ng/u1

response 416

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	8.00	14.38#
279.00	24.90	28.05
0.00	0.00	0.00

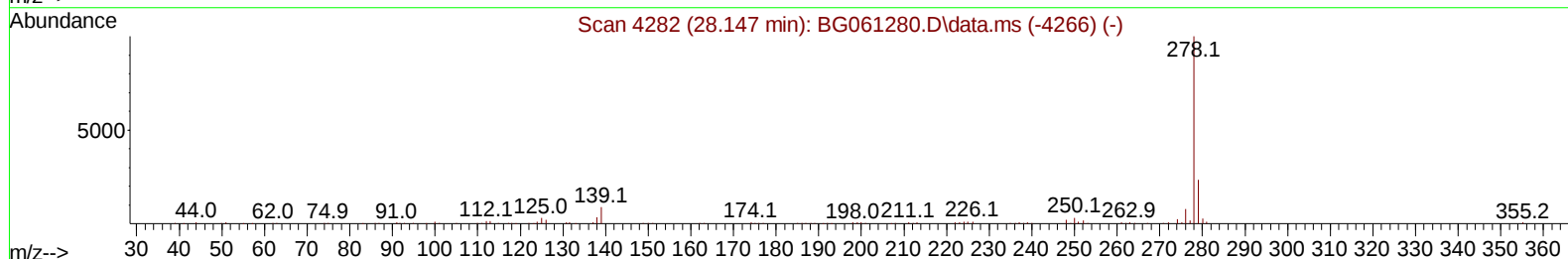
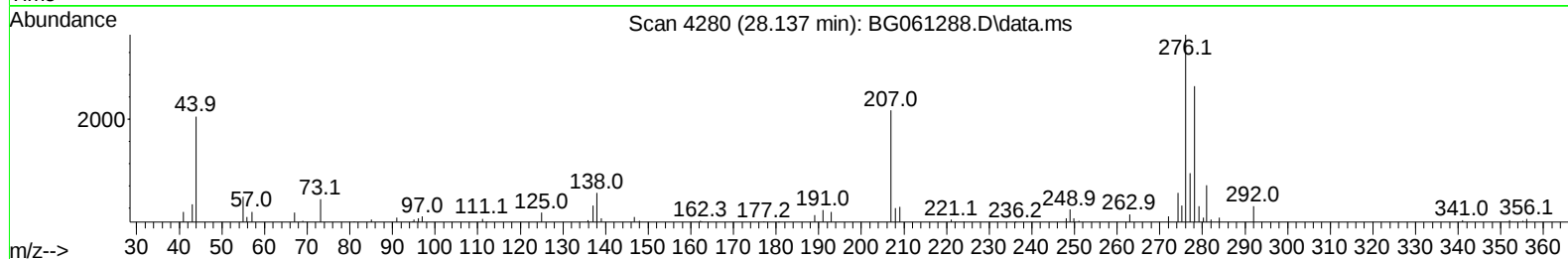
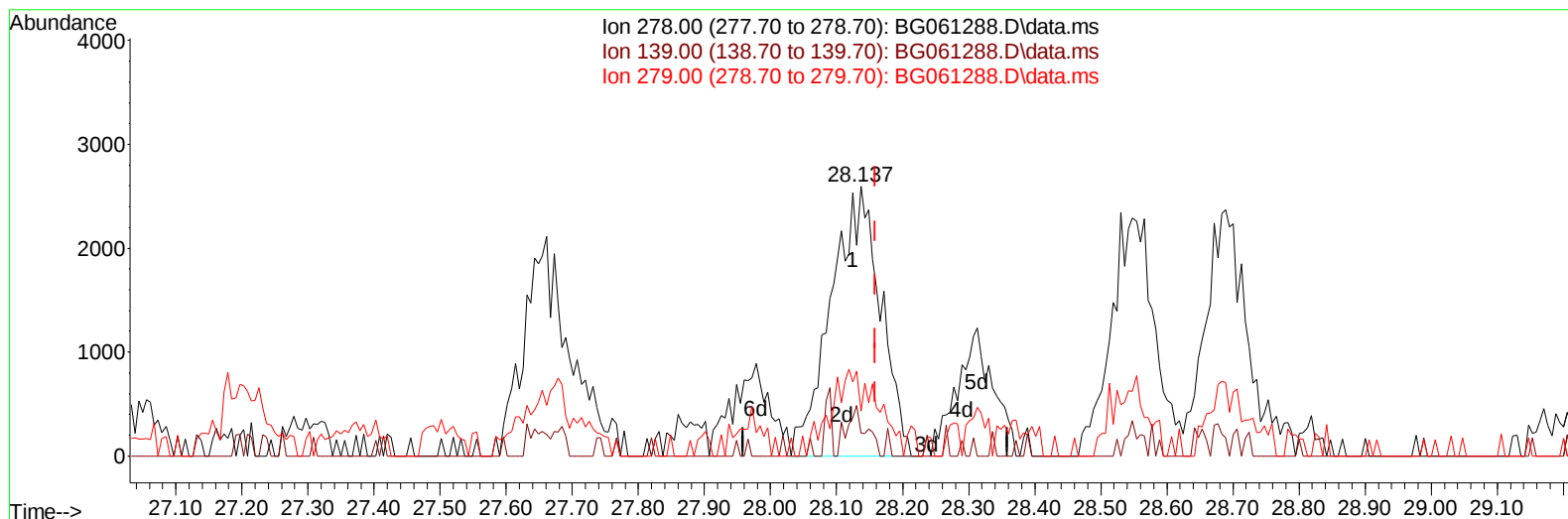
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052424\
Data File : BG061288.D
Acq On : 24 May 2024 15:11
Operator : MA/JU
Sample : P2548-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5Y5

Manual IntegrationsAPPROVED

Quant Time: May 25 00:25:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 21 15:23:39 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 05/25/2024
Supervised By :mohammad ahmed 05/27/2024



TIC: BG061288.D\data.ms

(95) Dibenzo(a,h)anthracene

28.137min (-0.022) 1.00 ng/ul m

response 13420

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	8.00	8.44
279.00	24.90	16.65#
0.00	0.00	0.00

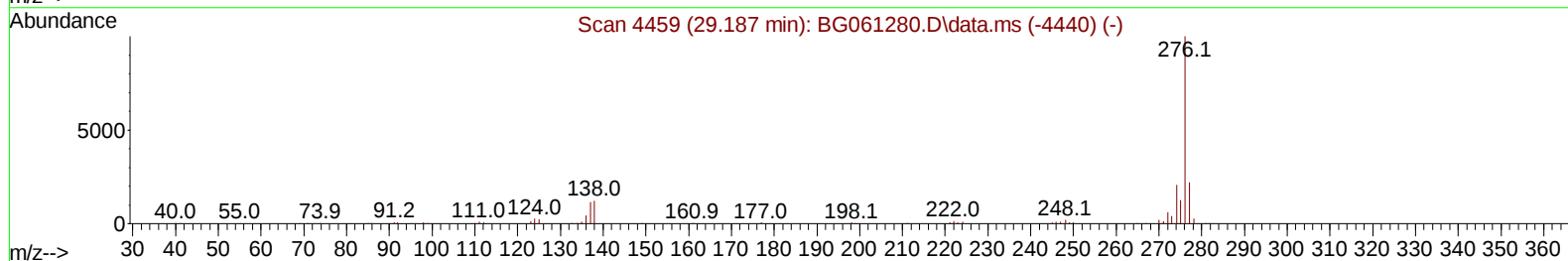
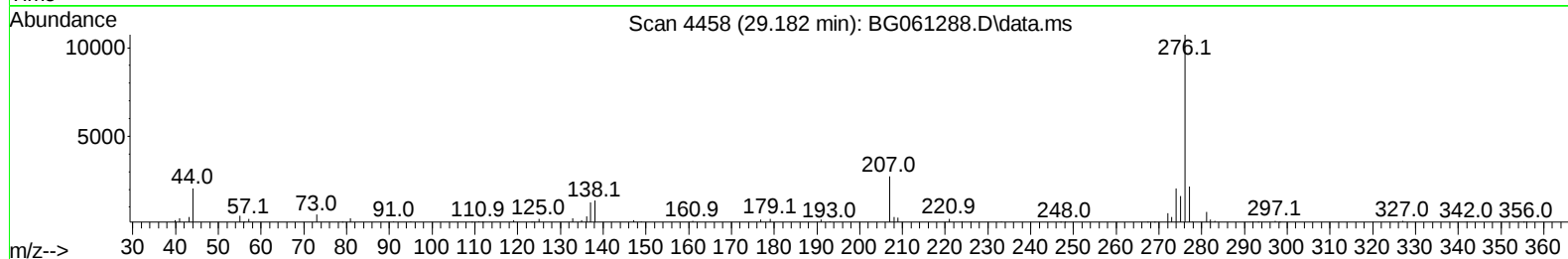
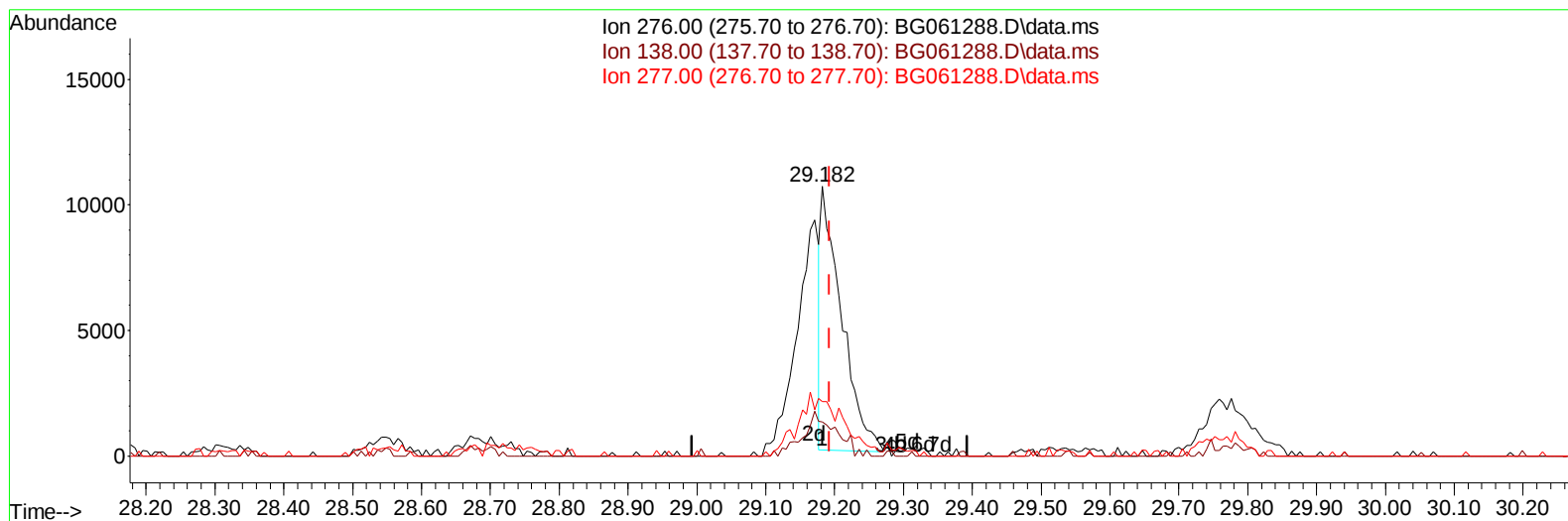
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052424\
Data File : BG061288.D
Acq On : 24 May 2024 15:11
Operator : MA/JU
Sample : P2548-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BH5Y5

Manual IntegrationsAPPROVED

Quant Time: May 25 00:26:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 21 15:23:39 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 05/25/2024
Supervised By :mohammad ahmed 05/27/2024



TIC: BG061288.D\data.ms

(96) Benzo(g,h,i)perylene

29.182min (-0.011) 1.67 ng/u1

response 21621

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.90	12.69
277.00	22.70	20.12
0.00	0.00	0.00

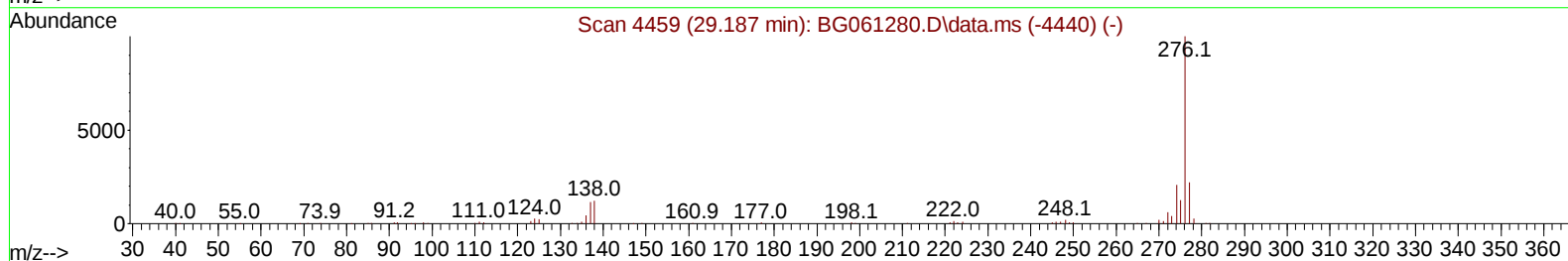
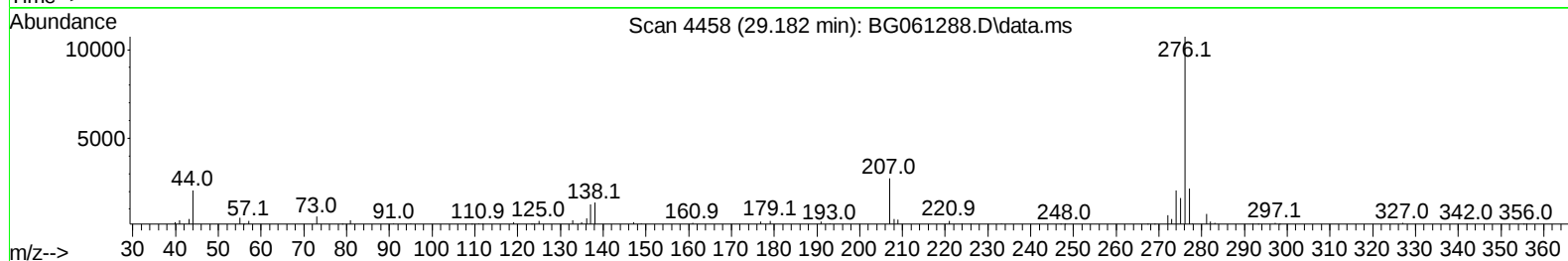
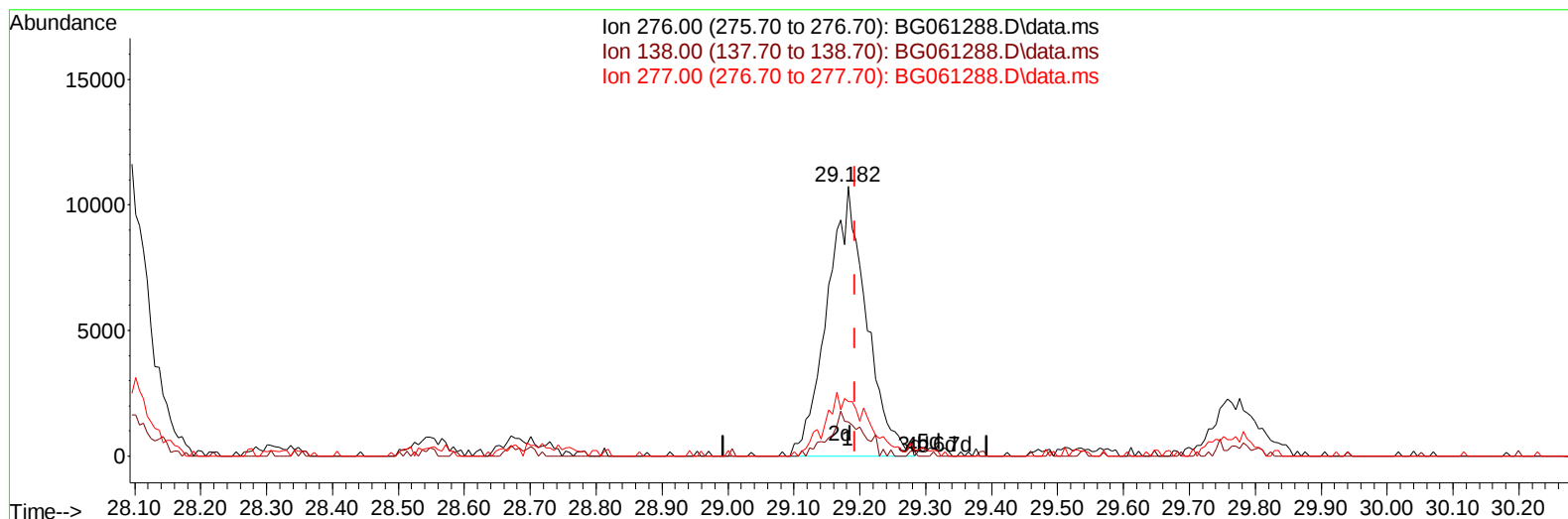
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052424\
 Data File : BG061288.D
 Acq On : 24 May 2024 15:11
 Operator : MA/JU
 Sample : P2548-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH5Y5

Manual IntegrationsAPPROVED

Quant Time: May 25 00:26:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 21 15:23:39 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 05/25/2024
 Supervised By :mohammad ahmed 05/27/2024



TIC: BG061288.D\data.ms

(96) Benzo(g,h,i)perylene

29.182min (-0.011) 3.43 ng/u1 m

response 44370

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.90	12.69
277.00	22.70	20.12
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052424\
 Data File : BG061288.D
 Acq On : 24 May 2024 15:11
 Operator : MA/JU
 Sample : P2548-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH5Y5

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 05/25/2024
 Supervised By :mohammad ahmed 05/27/2024

Quant Time: May 25 00:27:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 21 15:23:39 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.884	152	23059	20.000	ng/ul	0.00
20) Naphthalene-d8	10.681	136	98878	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.517	164	84697	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.267	188	205702	20.000	ng/ul	0.00
79) Chrysene-d12	21.521	240	211164	20.000	ng/ul	0.00
88) Perylene-d12	24.605	264	237598	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.342	96	901	2.187	ng/uL	0.00
4) Pyridine-d5	3.753	84	4164	2.841	ng/ul	0.00
7) Phenol-d5	7.067	99	22297	11.775	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.214	67	14858	12.483	ng/ul	0.00
11) 2-Chlorophenol-d4	7.420	132	17700	12.630	ng/ul	0.00
15) 4-Methylphenol-d8	8.601	113	16162	10.009	ng/ul	0.00
21) Nitrobenzene-d5	9.041	128	9859	12.950	ng/ul	0.00
24) 2-Nitrophenol-d4	9.764	143	11824	13.271	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.310	165	22562	12.989	ng/ul	0.00
31) 4-Chloroaniline-d4	10.816	131	23267	10.239	ng/ul	0.00
46) Dimethylphthalate-d6	13.924	166	85991	13.091	ng/ul	0.00
49) Acenaphthylene-d8	14.212	160	92491	13.543	ng/ul	0.00
54) 4-Nitrophenol-d4	14.746	143	7722m	9.508	ng/ul	0.00
60) Fluorene-d10	15.510	176	78326	13.811	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.645	200	11781m	9.469	ng/ul	0.00
73) Anthracene-d10	17.367	188	126226	13.919	ng/ul	0.00
81) Pyrene-d10	19.658	212	146272	13.491	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.394	264	155826	13.642	ng/ul	0.00
Target Compounds				Qvalue		
72) Phenanthrene	17.308	178	72087	7.220	ng/ul	98
74) Anthracene	17.402	178	10594	1.026	ng/ul	95
80) Fluoranthene	19.323	202	140993	10.840	ng/ul	99
82) Pyrene	19.688	202	123790	9.169	ng/ul	99
85) Benzo(a)anthracene	21.497	228	71560	4.911	ng/ul#	93
86) Bis(2-ethylhexyl)phtha...	21.415	149	7624	1.111	ng/ul	98
87) Chrysene	21.562	228	73900	5.508	ng/ul#	92
90) Benzo(b)fluoranthene	23.630	252	93143	6.584	ng/ul	98
91) Benzo(k)fluoranthene	23.683	252	30199	2.103	ng/ul#	98
93) Benzo(a)pyrene	24.459	252	64594	4.809	ng/ul	94
94) Indeno(1,2,3-cd)pyrene	28.096	276	46697	2.875	ng/ul#	93
95) Dibenzo(a,h)anthracene	28.137	278	13420m	1.002	ng/ul	
96) Benzo(g,h,i)perylene	29.182	276	44370m	3.433	ng/ul	

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

Manual IntegrationsAPPROVED

Quant Time: May 25 00:27:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
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