

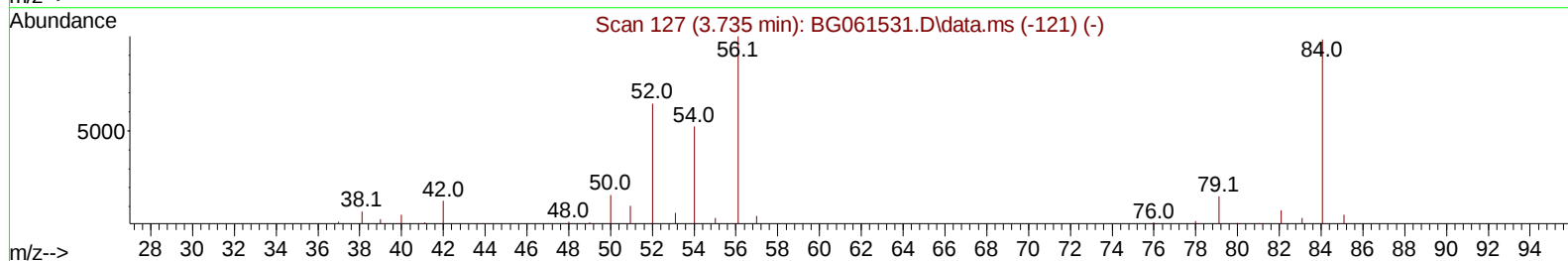
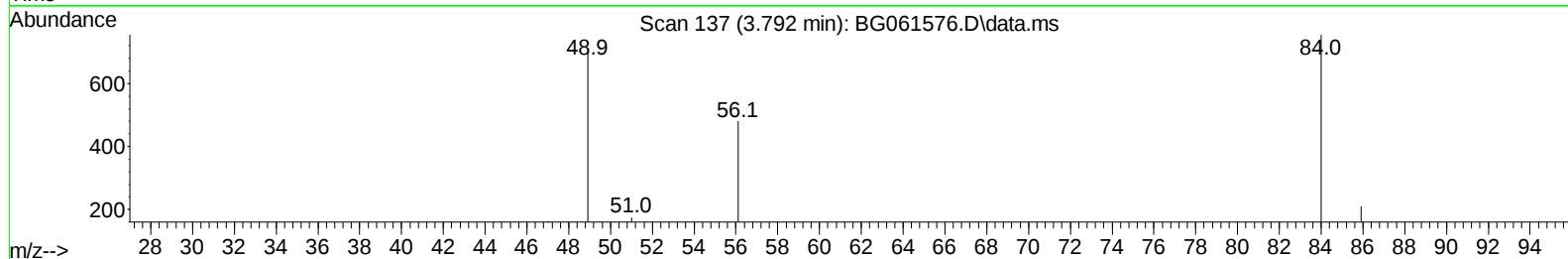
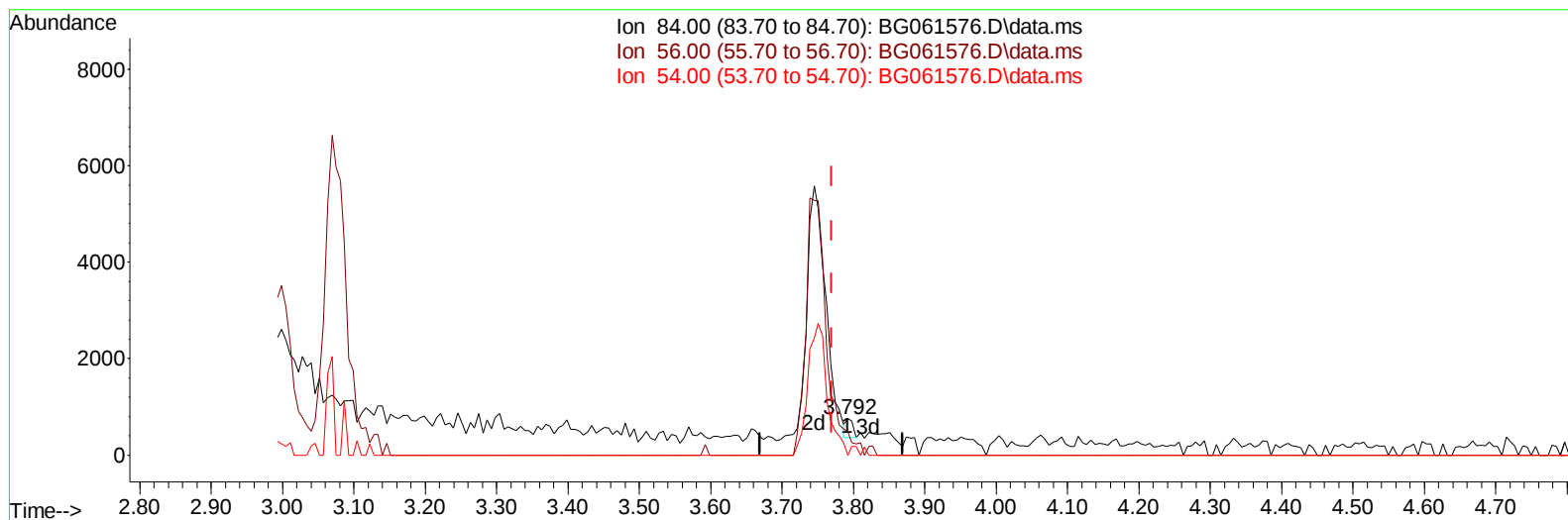
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061576.D
Acq On : 8 Jun 2024 22:22
Operator : MA/JU
Sample : P2647-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHC37

Manual IntegrationsAPPROVED

Quant Time: Jun 09 23:03:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 06 12:15:45 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/14/2024



TIC: BG061576.D\data.ms

(4) Pyridine-d5 (S)

3.792min (+ 0.023) 0.15 ng/u1

response 261

Ion	Exp%	Act%
84.00	100.00	100.00
56.00	106.50	63.58#
54.00	57.50	0.00#
0.00	0.00	0.00

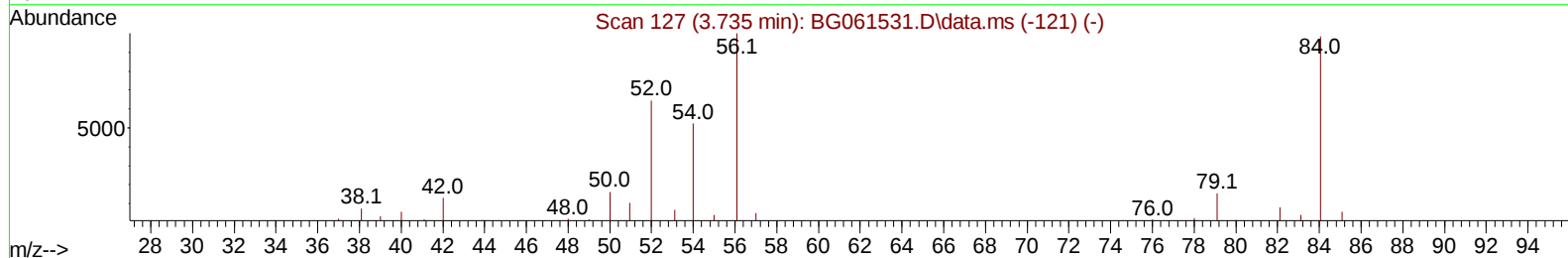
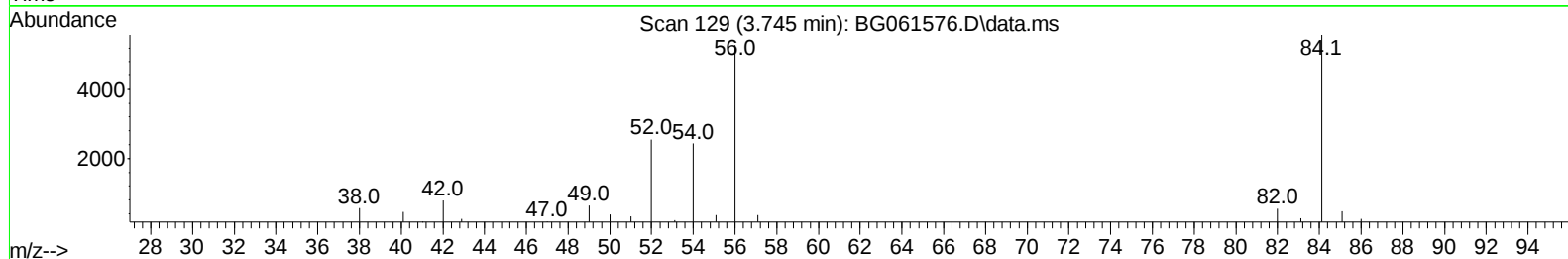
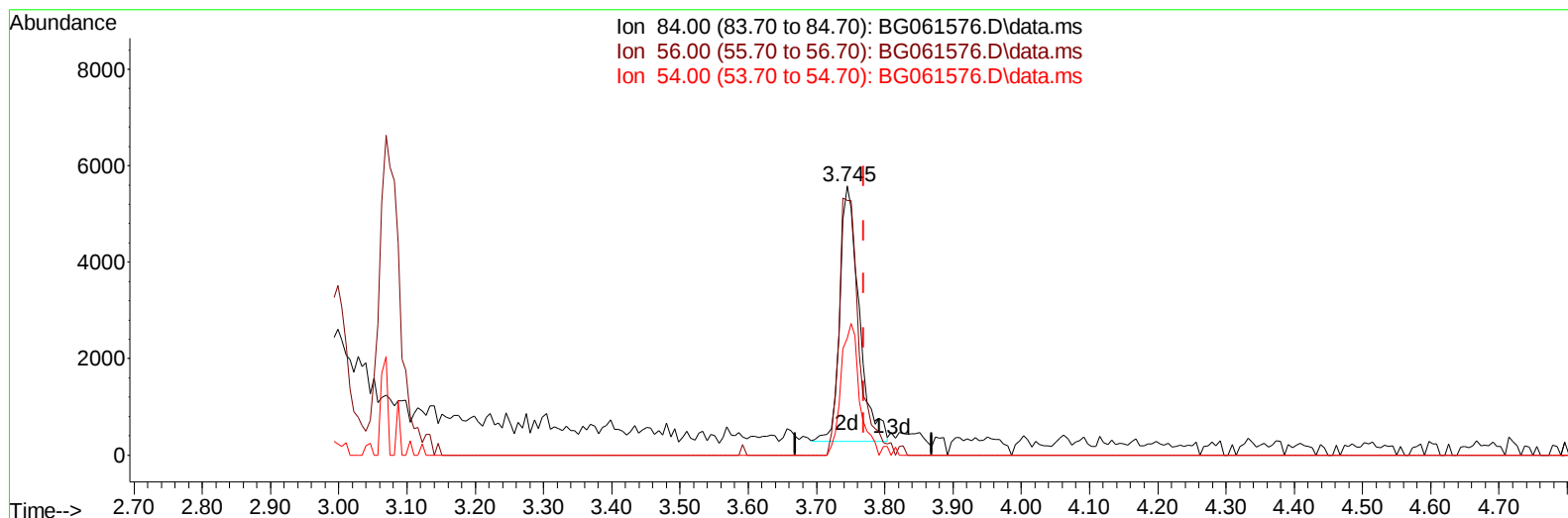
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
 Data File : BG061576.D
 Acq On : 8 Jun 2024 22:22
 Operator : MA/JU
 Sample : P2647-15
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHC37

Manual IntegrationsAPPROVED

Quant Time: Jun 09 23:03:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 06 12:15:45 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/12/2024
 Supervised By :mohammad ahmed 06/14/2024



TIC: BG061576.D\data.ms

(4) Pyridine-d5 (S)

3.745min (-0.024) 5.80 ng/ul m

response 10365

Ion	Exp%	Act%
84.00	100.00	100.00
56.00	106.50	94.73
54.00	57.50	43.54#
0.00	0.00	0.00

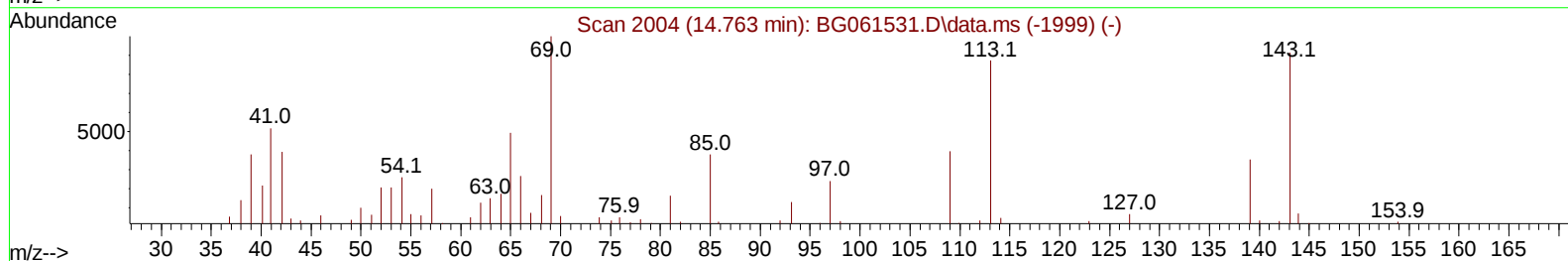
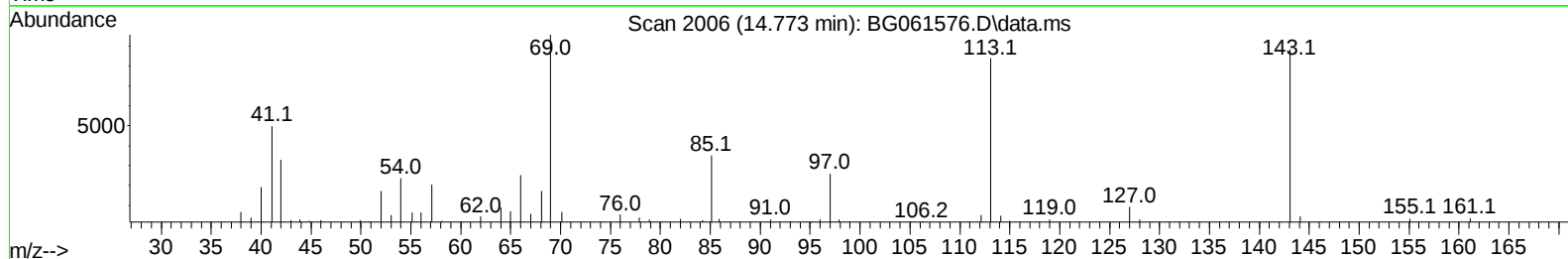
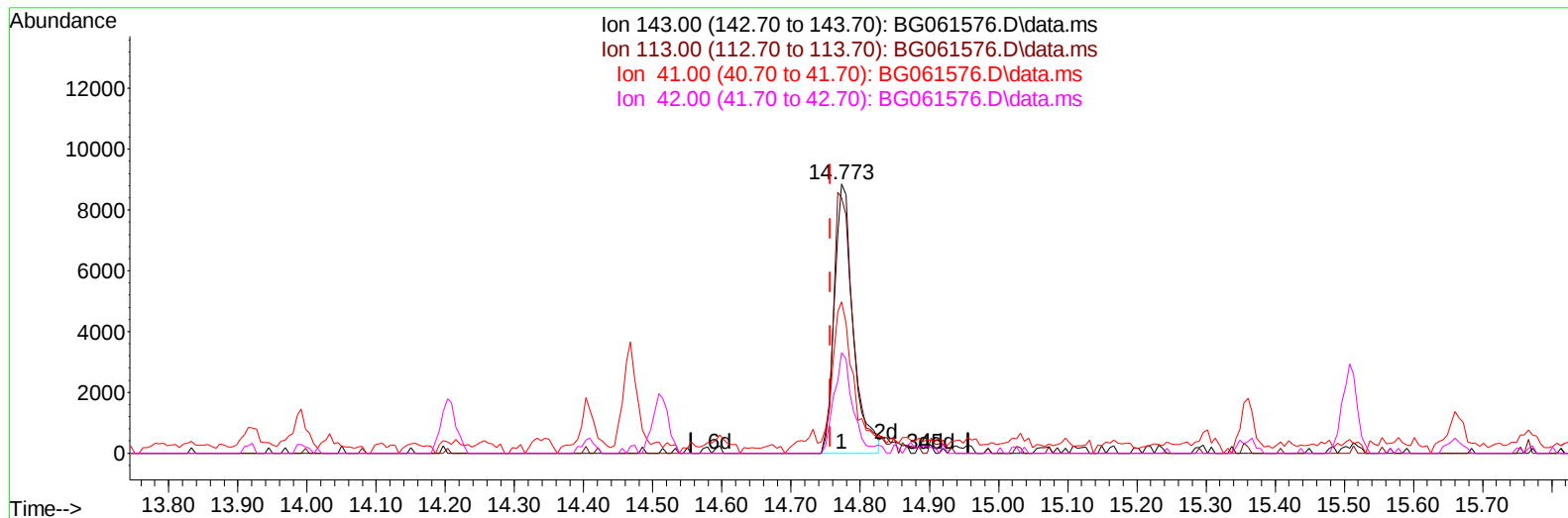
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061576.D
Acq On : 8 Jun 2024 22:22
Operator : MA/JU
Sample : P2647-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHC37

Manual IntegrationsAPPROVED

Quant Time: Jun 10 00:45:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 06 12:15:45 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/14/2024



TIC: BG061576.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.773min (+ 0.017) 21.41 ng/u1

response 16567

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	122.20	94.93#
41.00	77.10	56.36#
42.00	49.50	37.31#

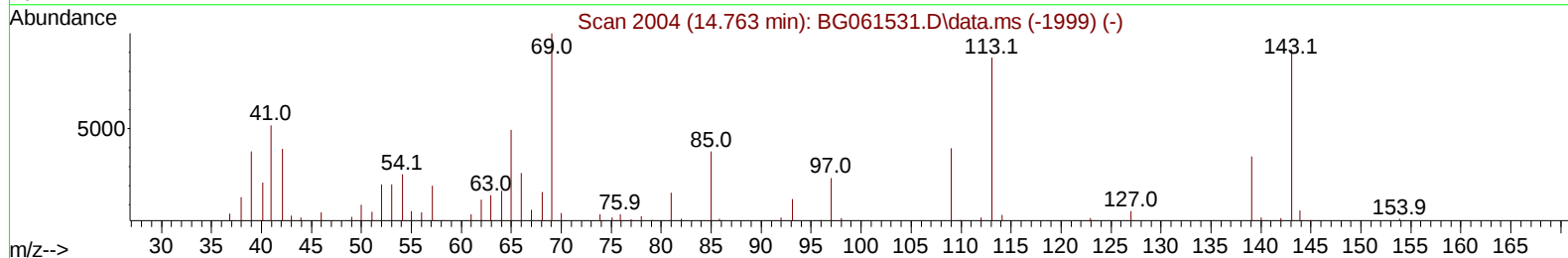
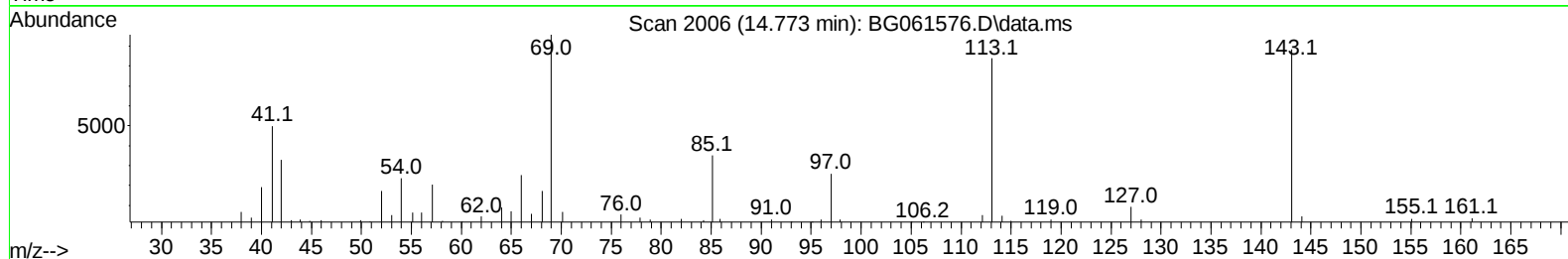
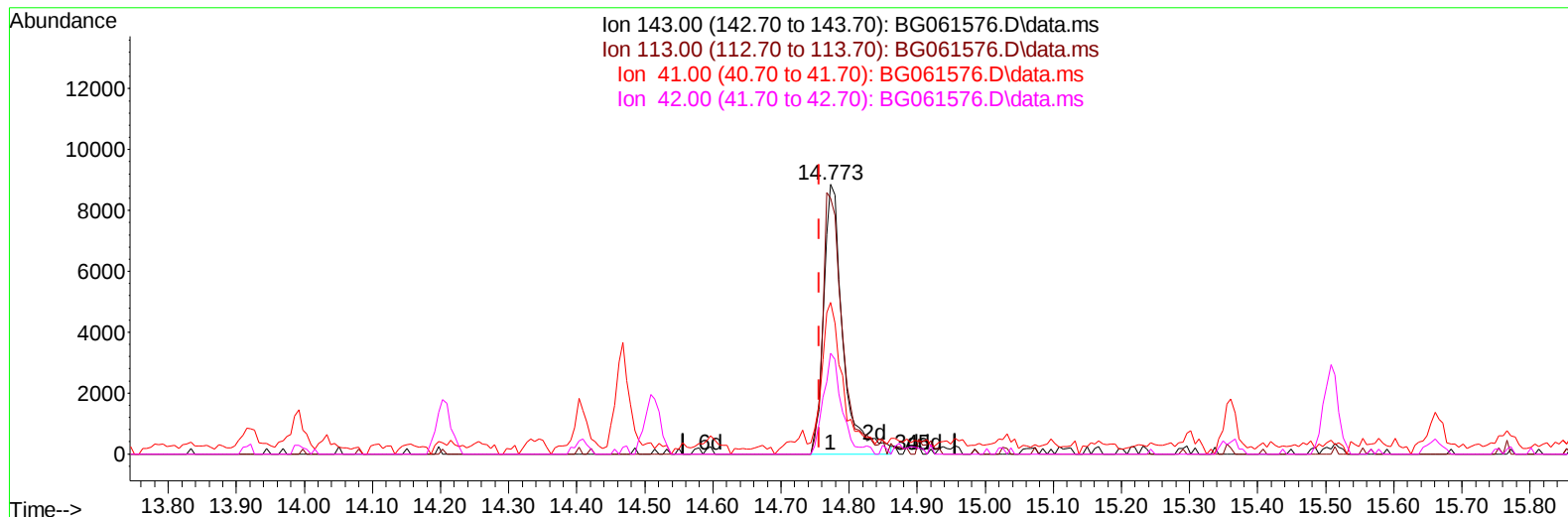
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061576.D
Acq On : 8 Jun 2024 22:22
Operator : MA/JU
Sample : P2647-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHC37

Manual IntegrationsAPPROVED

Quant Time: Jun 10 00:45:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 06 12:15:45 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/14/2024



TIC: BG061576.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.773min (+ 0.017) 22.46 ng/ul m

response 17376

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	122.20	94.93#
41.00	77.10	56.36#
42.00	49.50	37.31#

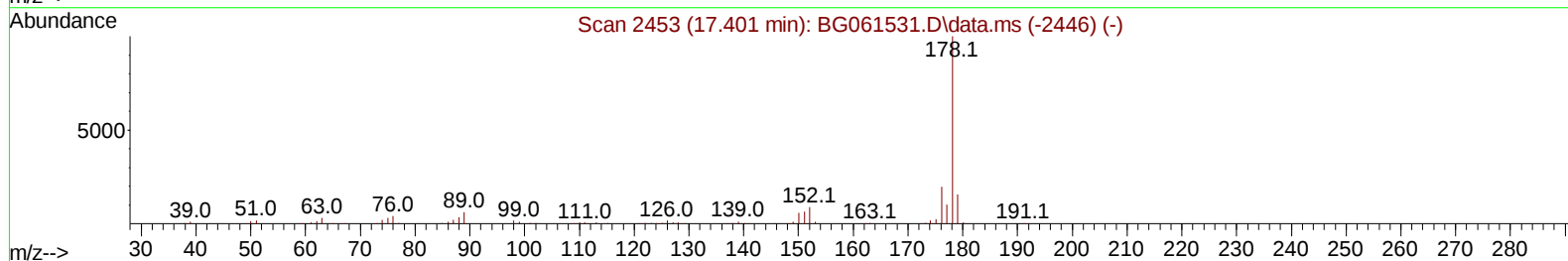
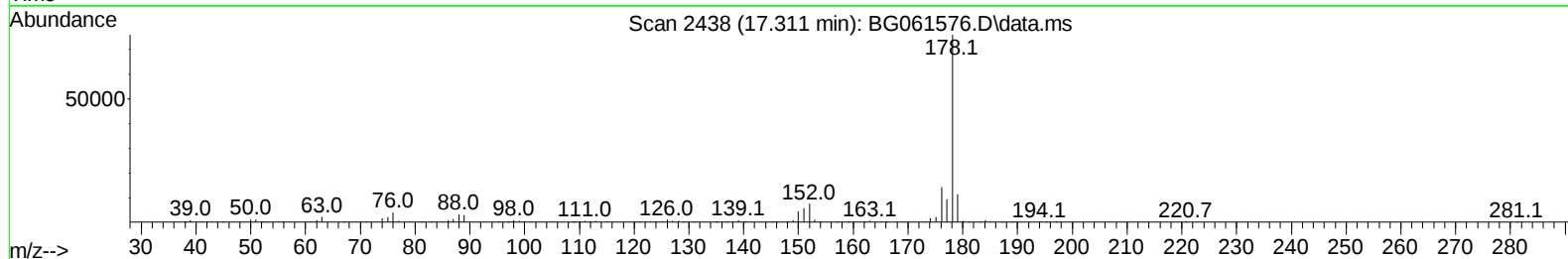
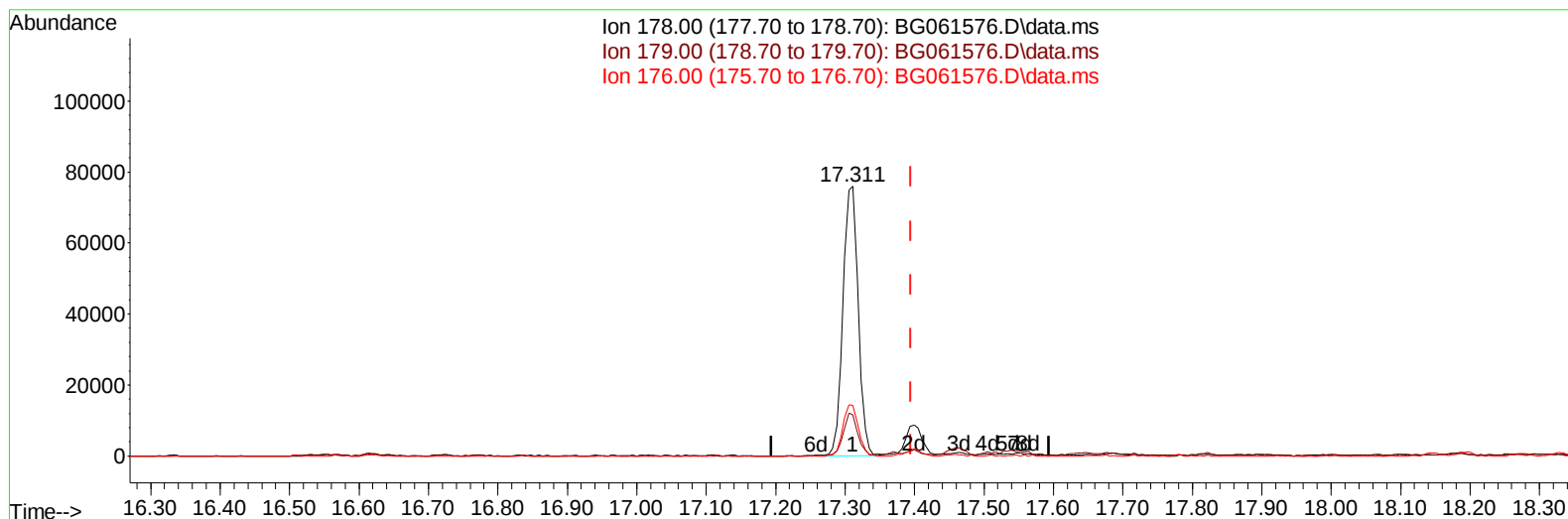
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
 Data File : BG061576.D
 Acq On : 8 Jun 2024 22:22
 Operator : MA/JU
 Sample : P2647-15
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHC37

Manual IntegrationsAPPROVED

Quant Time: Jun 10 00:46:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 06 12:15:45 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/12/2024
 Supervised By :mohammad ahmed 06/14/2024



TIC: BG061576.D\data.ms

(74) Anthracene

17.311min (-0.083) 11.98 ng/u1

response 114935

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	14.70	15.11
176.00	18.60	18.69
0.00	0.00	0.00

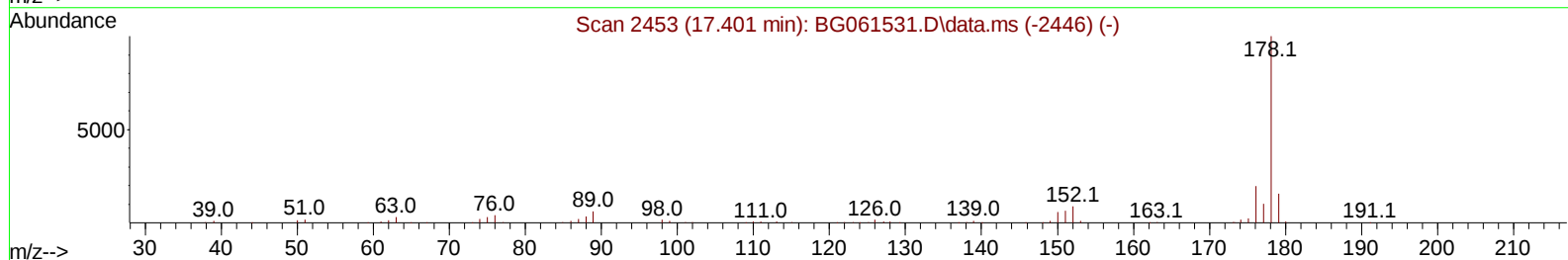
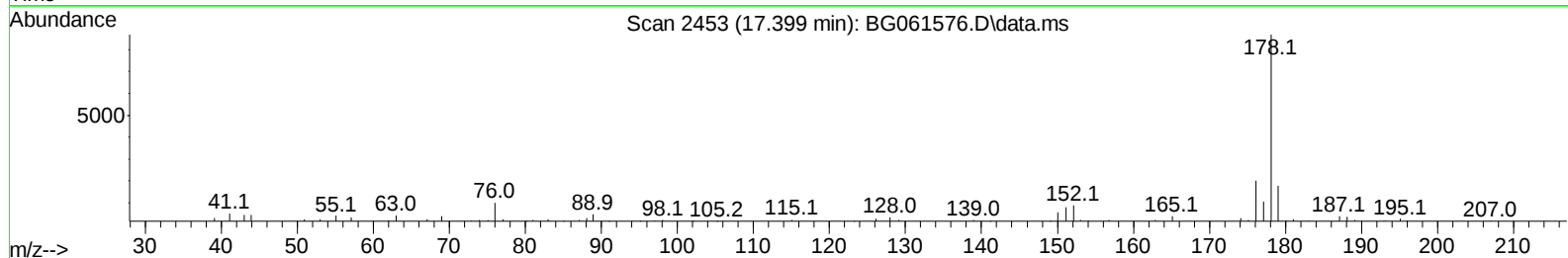
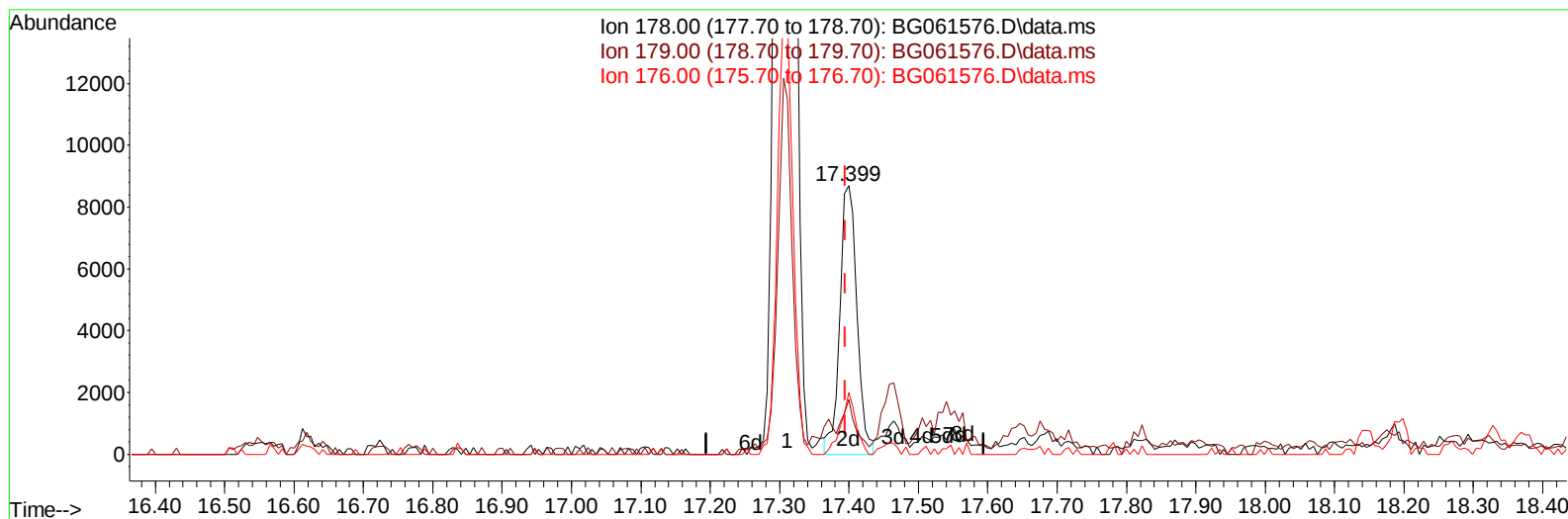
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
Data File : BG061576.D
Acq On : 8 Jun 2024 22:22
Operator : MA/JU
Sample : P2647-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHC37

Manual IntegrationsAPPROVED

Quant Time: Jun 10 00:46:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 06 12:15:45 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/14/2024



TIC: BG061576.D\data.ms

(74) Anthracene

17.399min (+ 0.005) 1.54 ng/u1 m

response 14786

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	14.70	20.34#
176.00	18.60	23.01#
0.00	0.00	0.00

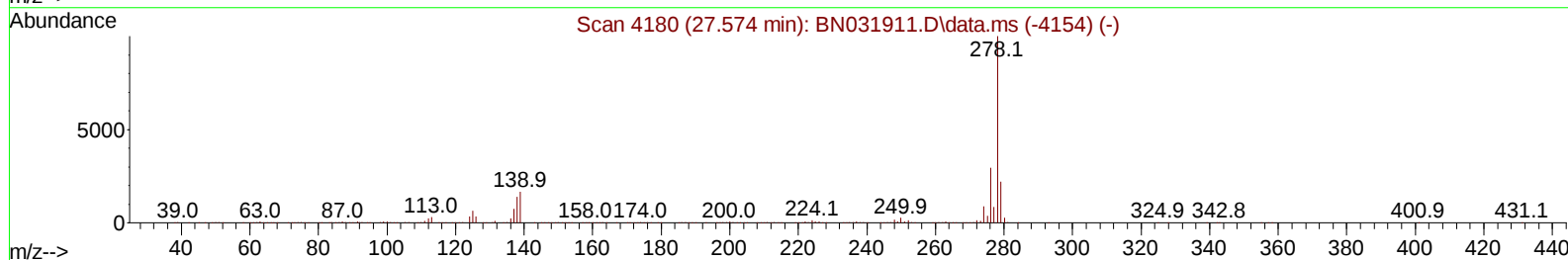
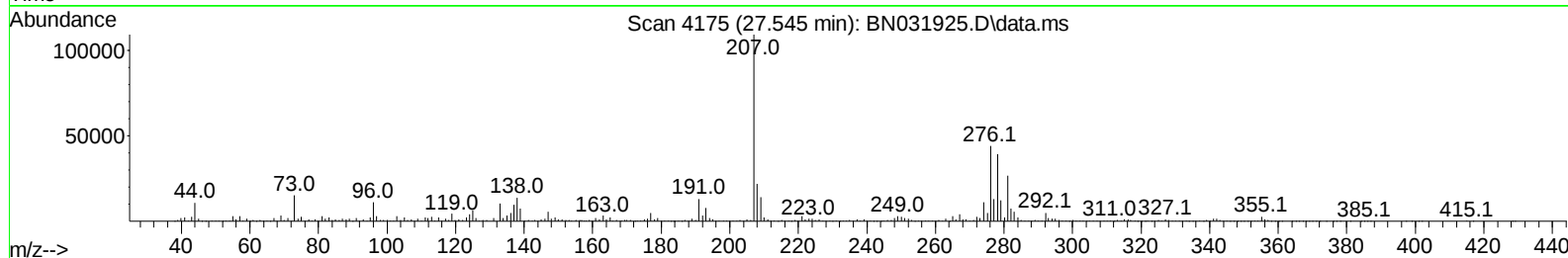
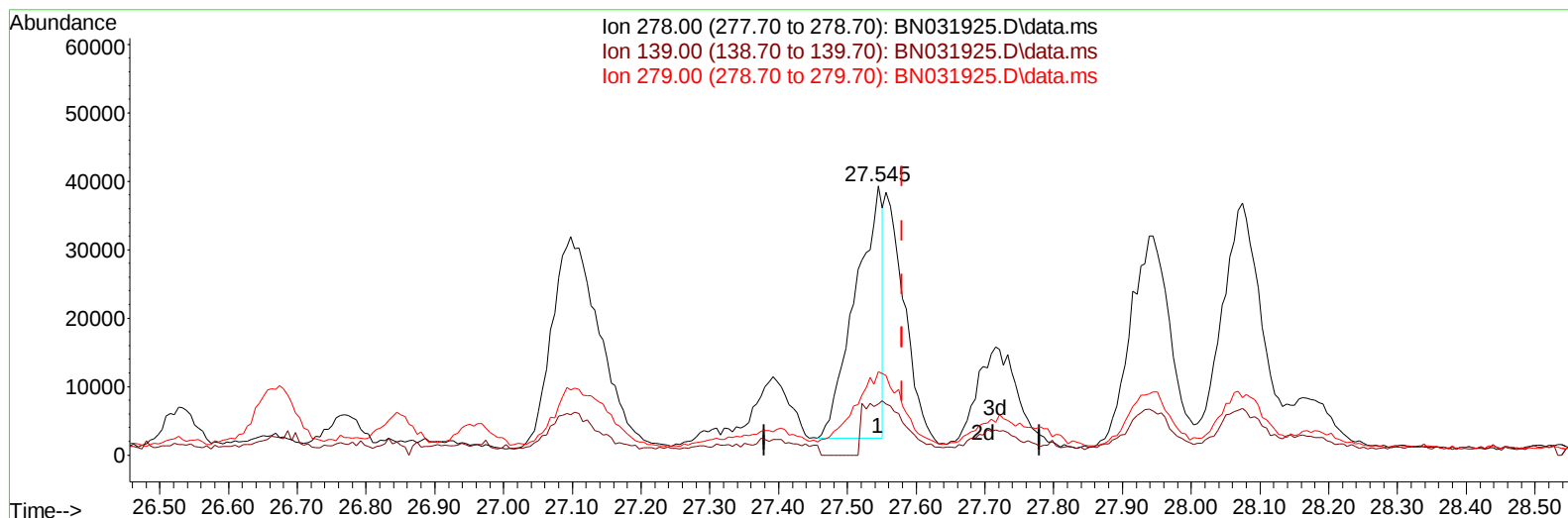
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061224\
Data File : BN031925.D
Acq On : 12 Jun 2024 00:54
Operator : MA/JU
Sample : P2659-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHC37

Manual IntegrationsAPPROVED

Quant Time: Jun 12 01:25:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 11 22:28:10 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/14/2024



TIC: BN031925.D\data.ms

(95) Dibenzo(a,h)anthracene

27.545min (-0.035) 1.62 ng/u1

response 101757

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	18.80	18.95
279.00	21.70	30.96#
0.00	0.00	0.00

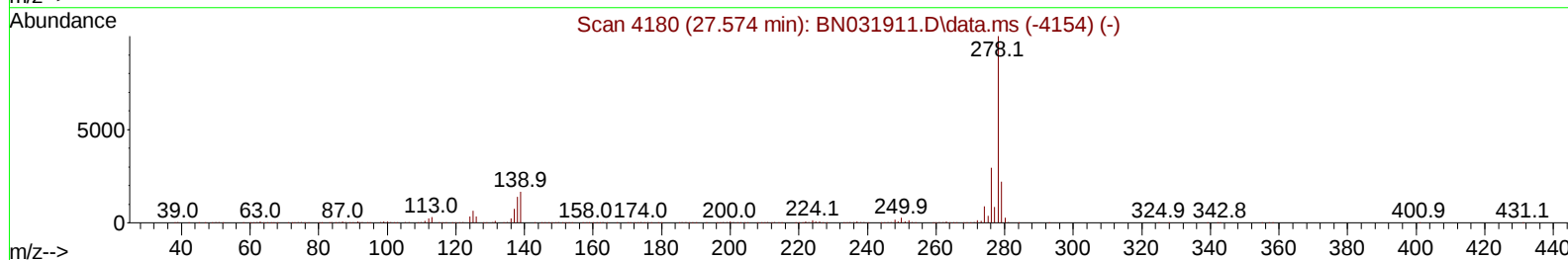
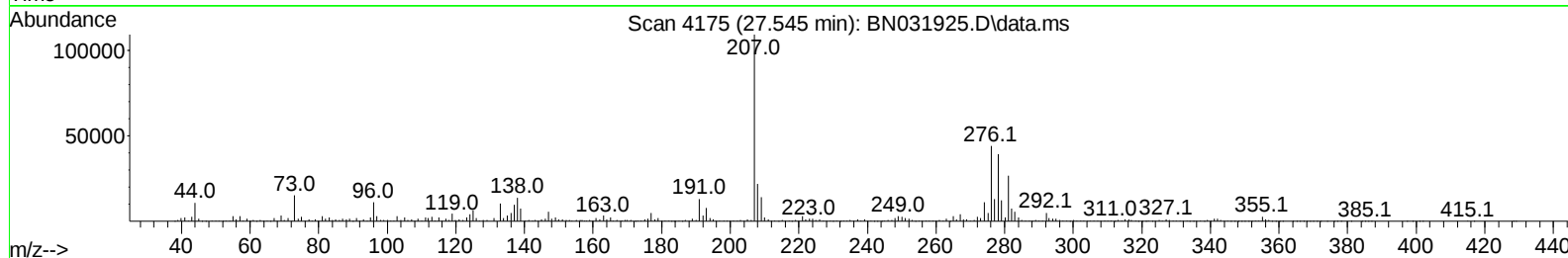
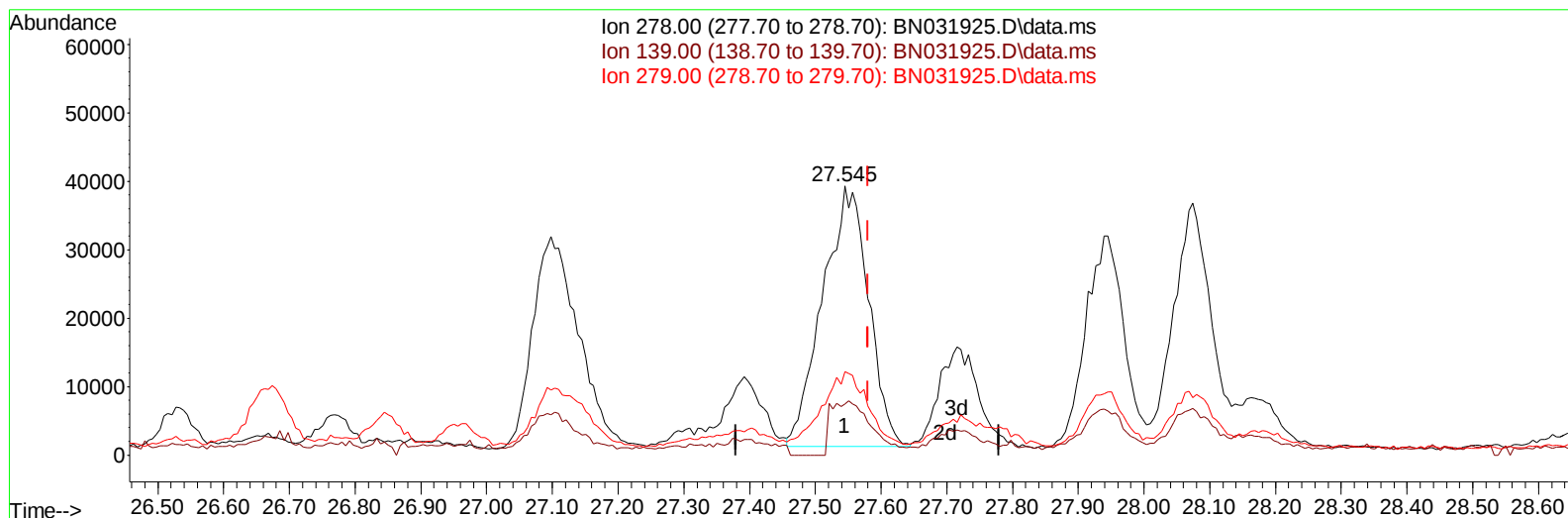
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061224\
Data File : BN031925.D
Acq On : 12 Jun 2024 00:54
Operator : MA/JU
Sample : P2659-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHC37

Manual IntegrationsAPPROVED

Quant Time: Jun 12 01:25:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 11 22:28:10 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/14/2024



TIC: BN031925.D\data.ms

(95) Dibenzo(a,h)anthracene

27.545min (-0.035) 2.93 ng/u1 m

response 184220

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	18.80	18.95
279.00	21.70	30.96#
0.00	0.00	0.00

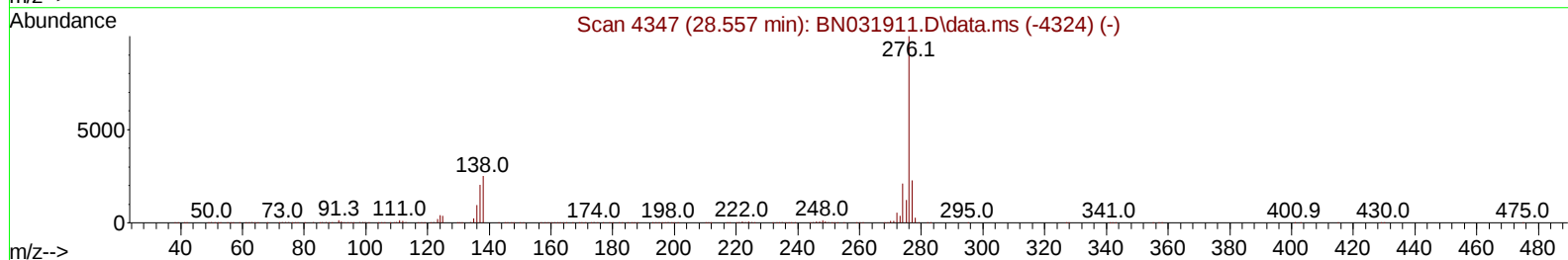
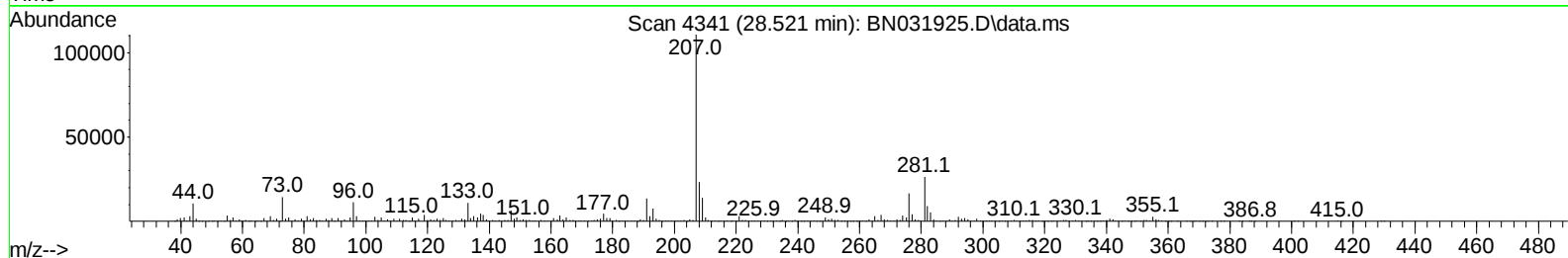
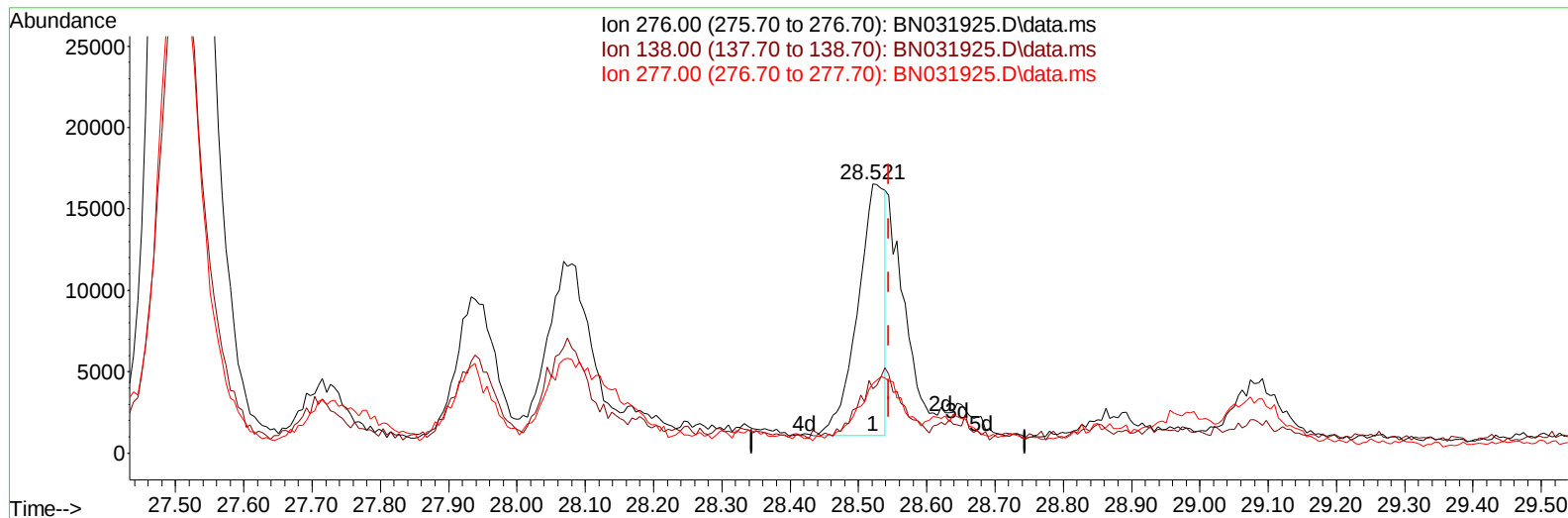
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061224\
Data File : BN031925.D
Acq On : 12 Jun 2024 00:54
Operator : MA/JU
Sample : P2659-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHC37

Manual IntegrationsAPPROVED

Quant Time: Jun 12 01:26:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 11 22:28:10 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/14/2024



TIC: BN031925.D\data.ms

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

28.521min (-0.023) 0.70 ng/u1

response 43021

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	26.10	23.89
277.00	22.50	25.80
0.00	0.00	0.00

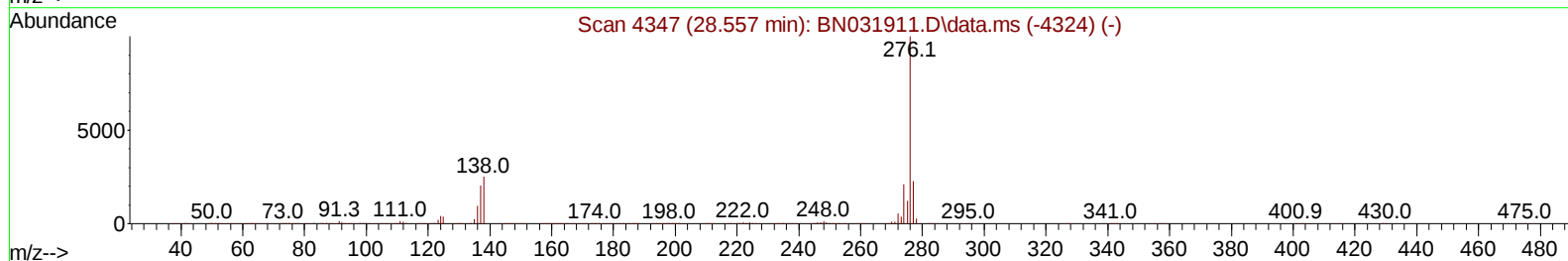
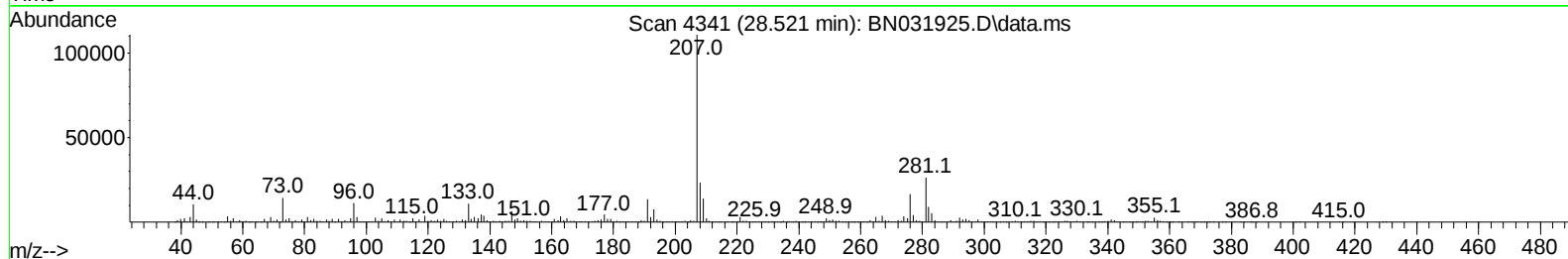
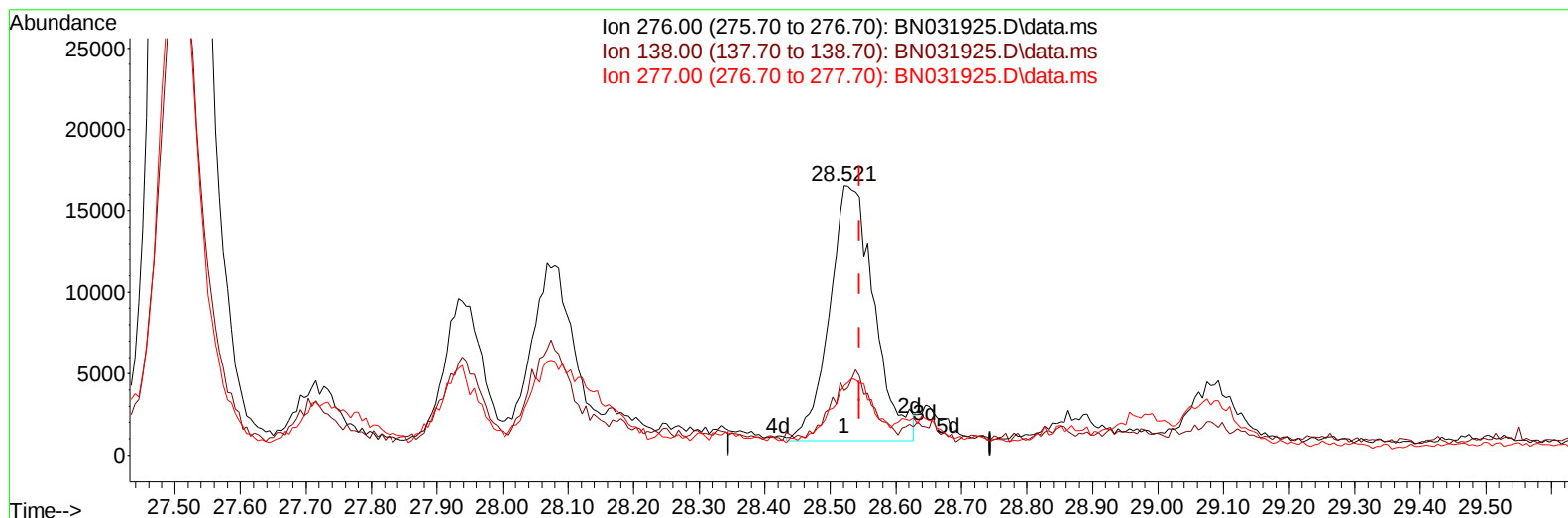
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061224\
Data File : BN031925.D
Acq On : 12 Jun 2024 00:54
Operator : MA/JU
Sample : P2659-16
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BHC37

Manual IntegrationsAPPROVED

Quant Time: Jun 12 01:26:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 11 22:28:10 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/12/2024
Supervised By :mohammad ahmed 06/14/2024



TIC: BN031925.D\data.ms

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

28.521min (-0.023) 1.20 ng/ul m

response 73611

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	26.10	23.89
277.00	22.50	25.80
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061224\
 Data File : BN031925.D
 Acq On : 12 Jun 2024 00:54
 Operator : MA/JU
 Sample : P2659-16
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHC37

Manual IntegrationsAPPROVED

Quant Time: Jun 12 01:27:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 11 22:28:10 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/12/2024
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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.657	152		309538	20.000	ng/ul	0.00
20) Naphthalene-d8	10.440	136		1407044	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.304	164		933906	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.051	188		1872739	20.000	ng/ul	0.00
79) Chrysene-d12	21.286	240		1278606	20.000	ng/ul	0.00
88) Perylene-d12	24.221	264		1194052	20.000	ng/ul	0.00
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.175	96		37389	4.997	ng/uL	0.00
4) Pyridine-d5	3.581	84		418305	19.861	ng/ul	0.00
7) Phenol-d5	6.834	99		839602	31.640	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.005	67		498464	32.114	ng/ul	0.00
11) 2-Chlorophenol-d4	7.193	132		695736	34.361	ng/ul	0.00
15) 4-Methylphenol-d8	8.369	113		642995	29.726	ng/ul	0.00
21) Nitrobenzene-d5	8.816	128		371286	34.512	ng/ul	0.00
24) 2-Nitrophenol-d4	9.534	143		411076	36.990	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.069	165		706167	34.037	ng/ul	0.00
31) 4-Chloroaniline-d4	10.587	131		829555	26.930	ng/ul	0.00
46) Dimethylphthalate-d6	13.722	166		2219803	34.119	ng/ul	0.00
49) Acenaphthylene-d8	13.998	160		2541808	33.976	ng/ul	0.00
54) 4-Nitrophenol-d4	14.522	143		346491	26.598	ng/ul	0.00
60) Fluorene-d10	15.298	176		1854260	33.683	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.428	200		281570	29.912	ng/ul	0.00
73) Anthracene-d10	17.151	188		2825122	35.236	ng/ul	0.00
81) Pyrene-d10	19.451	212		2644560	38.651	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.021	264		1397651	24.513	ng/ul	0.00
Target Compounds							
						Qvalue	
36) 2-Methylnaphthalene	12.110	142		54941	1.104	ng/ul	96
50) Acenaphthylene	14.028	152		200286	2.369	ng/ul	99
72) Phenanthrene	17.098	178		1568712	16.444	ng/ul	98
74) Anthracene	17.186	178		254871	2.637	ng/ul	99
77) Carbazole	17.463	167		129248	1.568	ng/ul	100
80) Fluoranthene	19.122	202		3280223	40.115	ng/ul	97
82) Pyrene	19.486	202		2391077	28.501	ng/ul	95
85) Benzo(a)anthracene	21.274	228		1300703	15.198	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.198	149		144778	2.506	ng/ul	100
87) Chrysene	21.333	228		1312307	16.416	ng/ul	95
90) Benzo(b)fluoranthene	23.298	252		1466067	20.541	ng/ul	97
91) Benzo(k)fluoranthene	23.345	252		511118	7.298	ng/ul	97
93) Benzo(a)pyrene	24.080	252		605572	9.059	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	27.503	276		536122	6.960	ng/ul	97
95) Dibenzo(a,h)anthracene	27.545	278		184220m	2.929	ng/ul	
96) Benzo(g,h,i)perylene	28.521	276		73611m	1.202	ng/ul	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061224\
 Data File : BN031925.D
 Acq On : 12 Jun 2024 00:54
 Operator : MA/JU
 Sample : P2659-16
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHC37

Manual IntegrationsAPPROVED

Quant Time: Jun 12 01:27:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 11 22:28:10 2024
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