

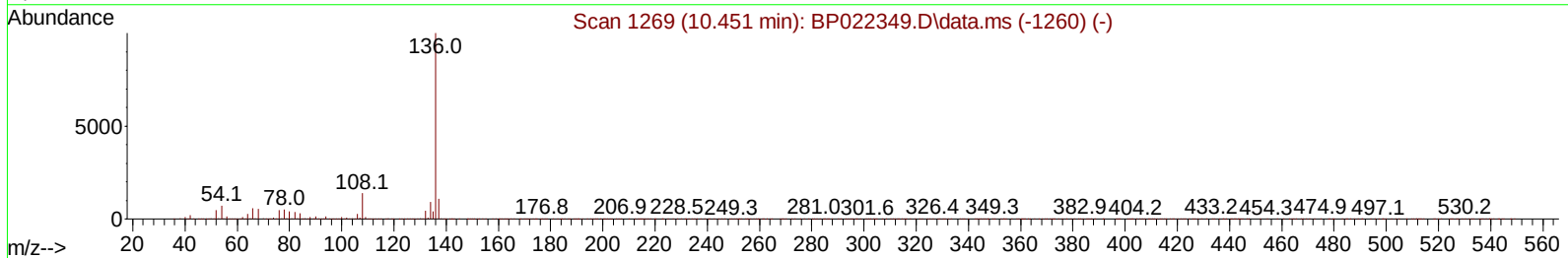
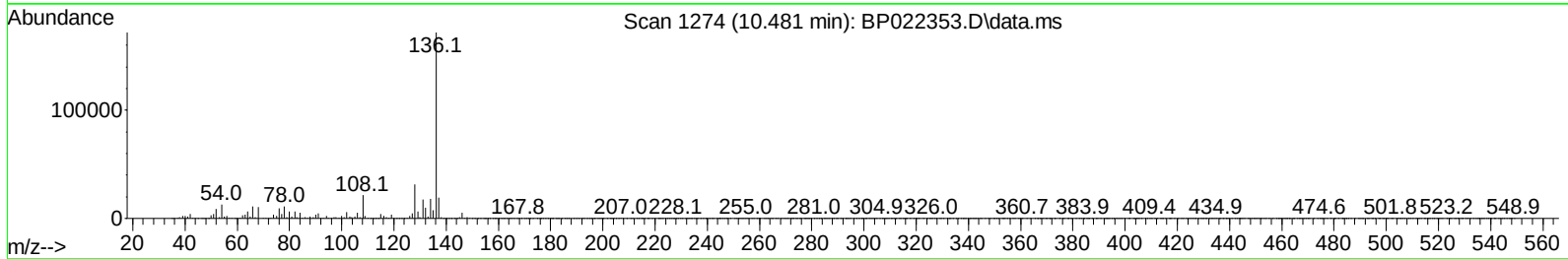
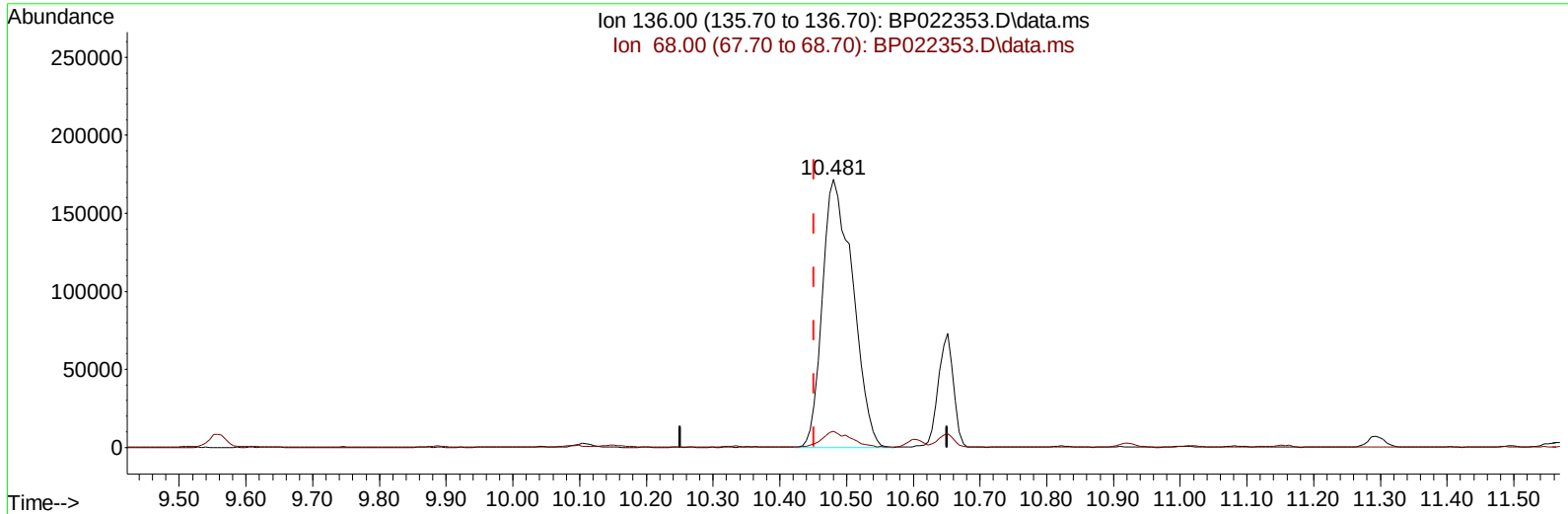
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
Data File : BP022353.D
Acq On : 14 Oct 2024 13:13
Operator : RC/JU
Sample : P4264-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCYN6

Manual IntegrationsAPPROVED

Quant Time: Oct 14 13:38:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 14 11:01:55 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/22/2024



TIC: BP022353.D\data.ms

(20) Naphthalene-d8 (I)

10.481min (+ 0.029) 20.00 ng/ul

response 540403

Ion	Exp%	Act%
136.00	100.00	100.00
68.00	5.20	6.03
0.00	0.00	0.00
0.00	0.00	0.00

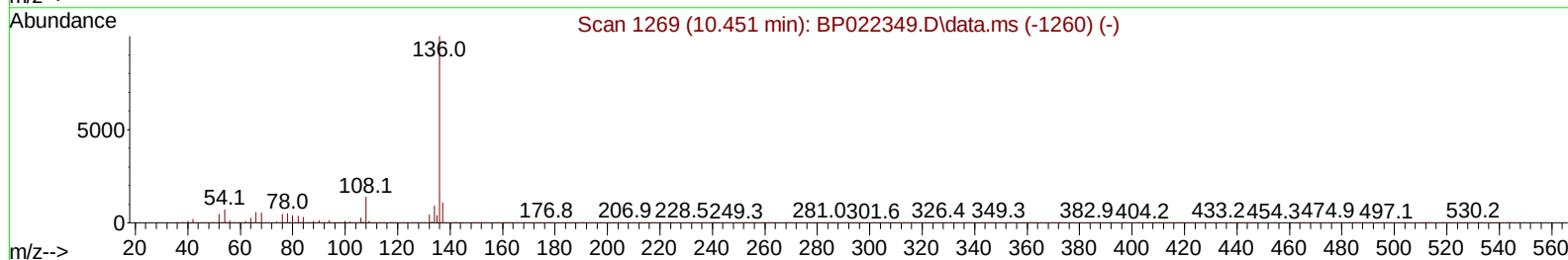
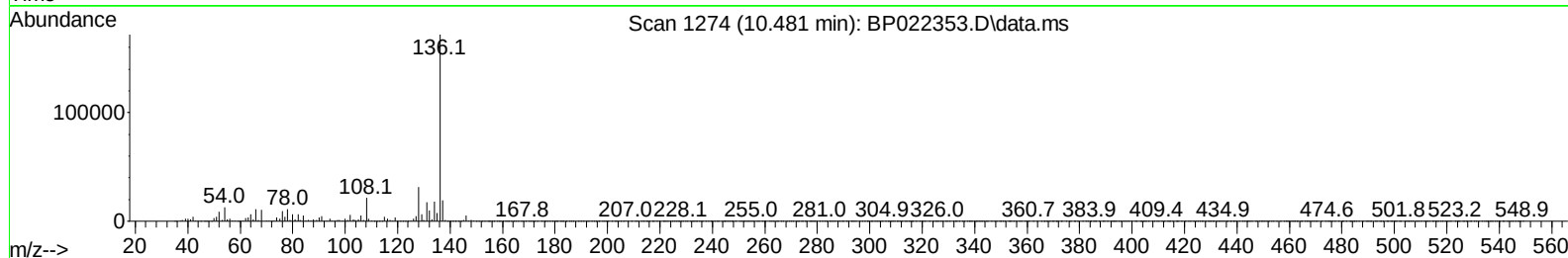
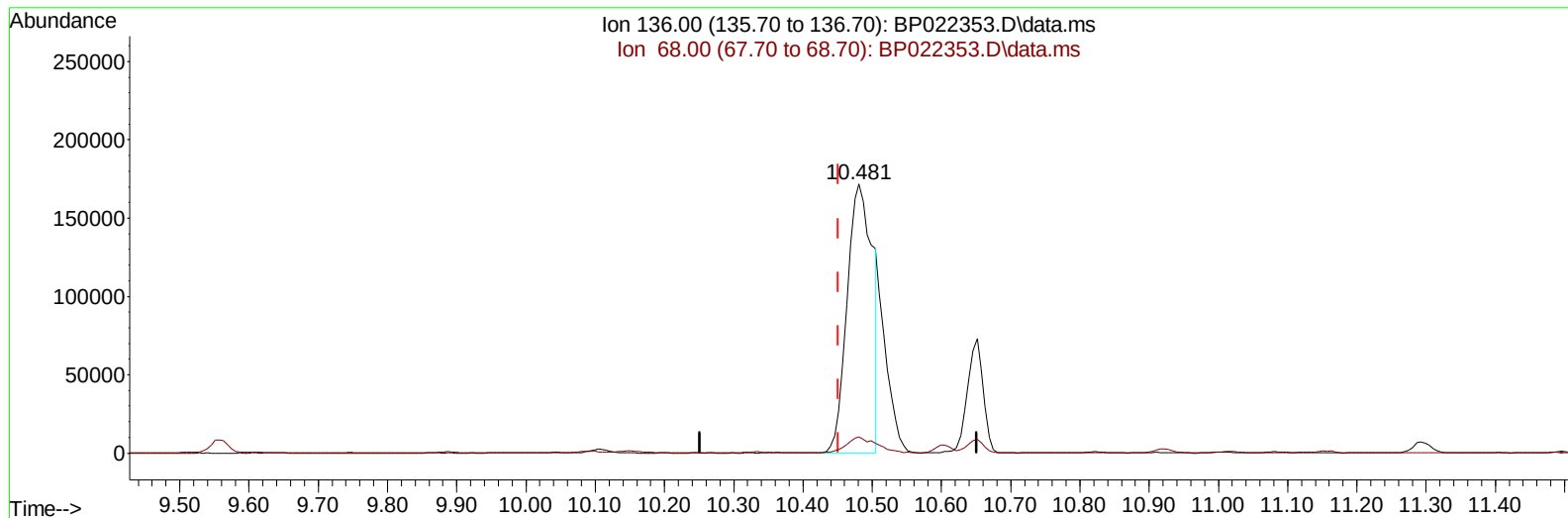
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
Data File : BP022353.D
Acq On : 14 Oct 2024 13:13
Operator : RC/JU
Sample : P4264-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCYN6

Manual IntegrationsAPPROVED

Quant Time: Oct 14 13:38:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 14 11:01:55 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/22/2024



TIC: BP022353.D\data.ms

(20) Naphthalene-d8 (I)

10.481min (+ 0.029) 20.00 ng/ul m

response 432552

Ion	Exp%	Act%
136.00	100.00	100.00
68.00	5.20	6.03
0.00	0.00	0.00
0.00	0.00	0.00

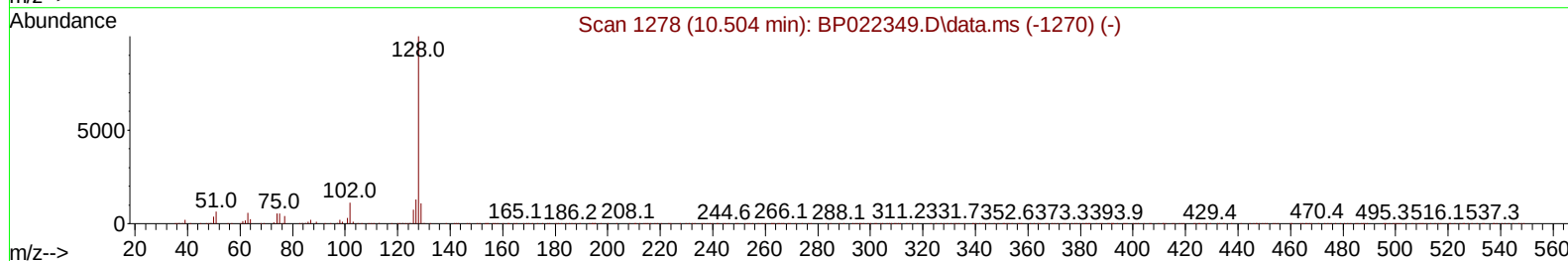
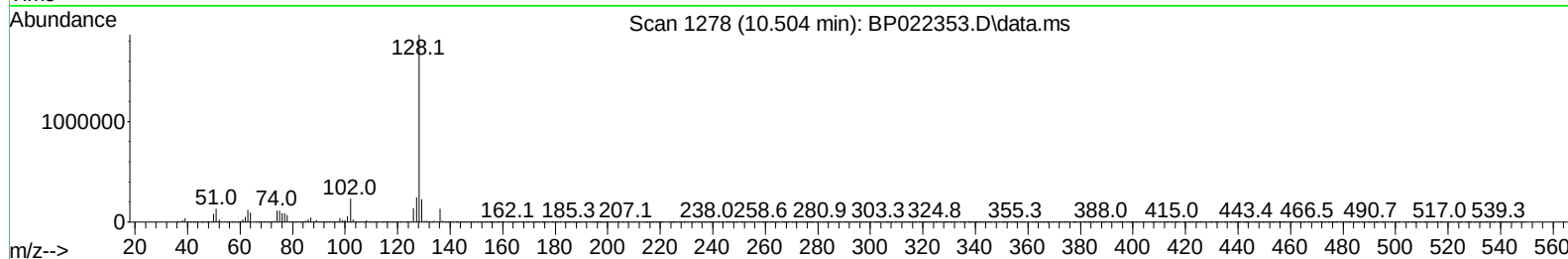
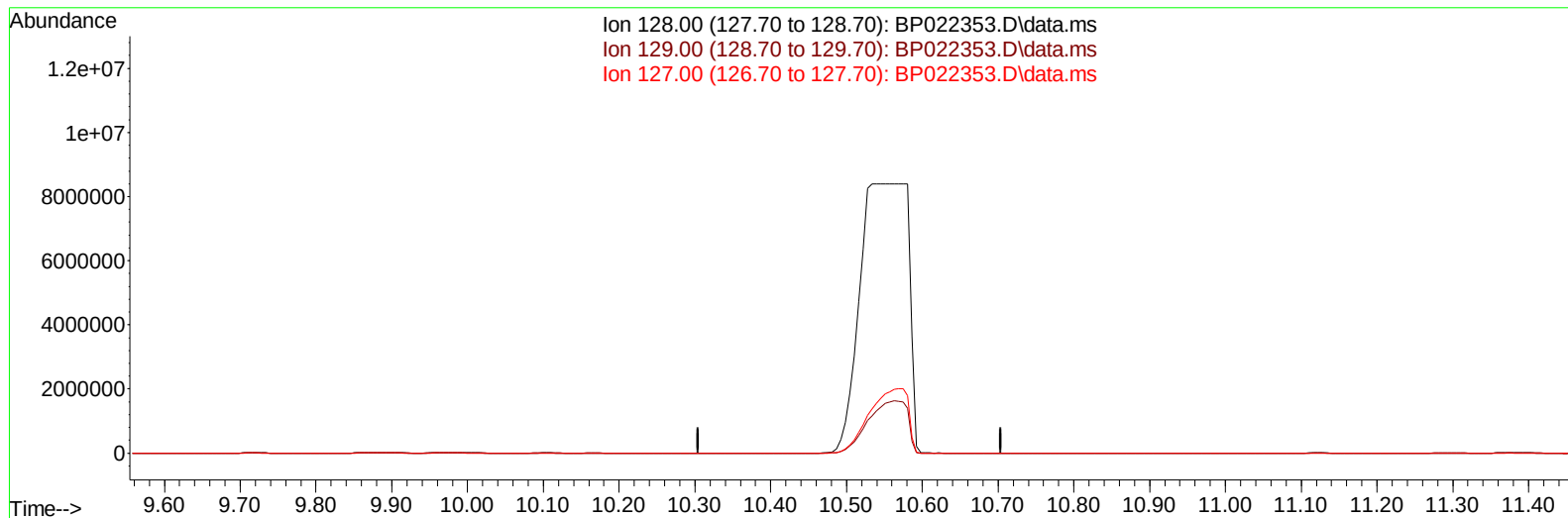
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
Data File : BP022353.D
Acq On : 14 Oct 2024 13:13
Operator : RC/JU
Sample : P4264-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCYN6

Manual IntegrationsAPPROVED

Quant Time: Oct 14 13:45:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 14 11:01:55 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/22/2024



TIC: BP022353.D\data.ms

(30) Naphthalene

10.504min (-10.504) 0.00 ng/u1

response 0

Ion	Exp%	Act%
128.00	100.00	0.00
129.00	10.70	0.00#
127.00	12.40	0.00#
0.00	0.00	0.00

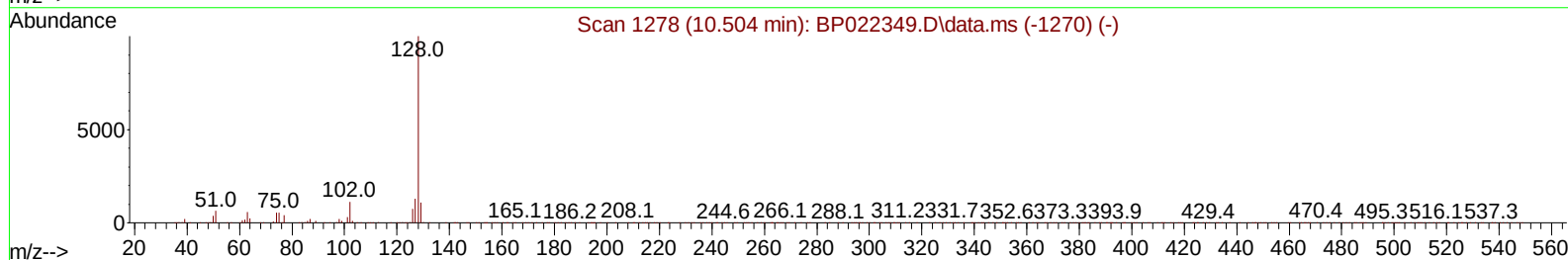
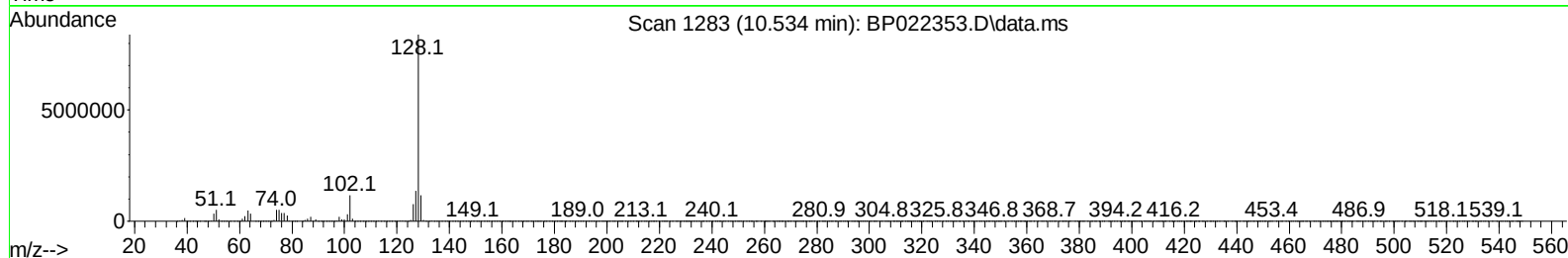
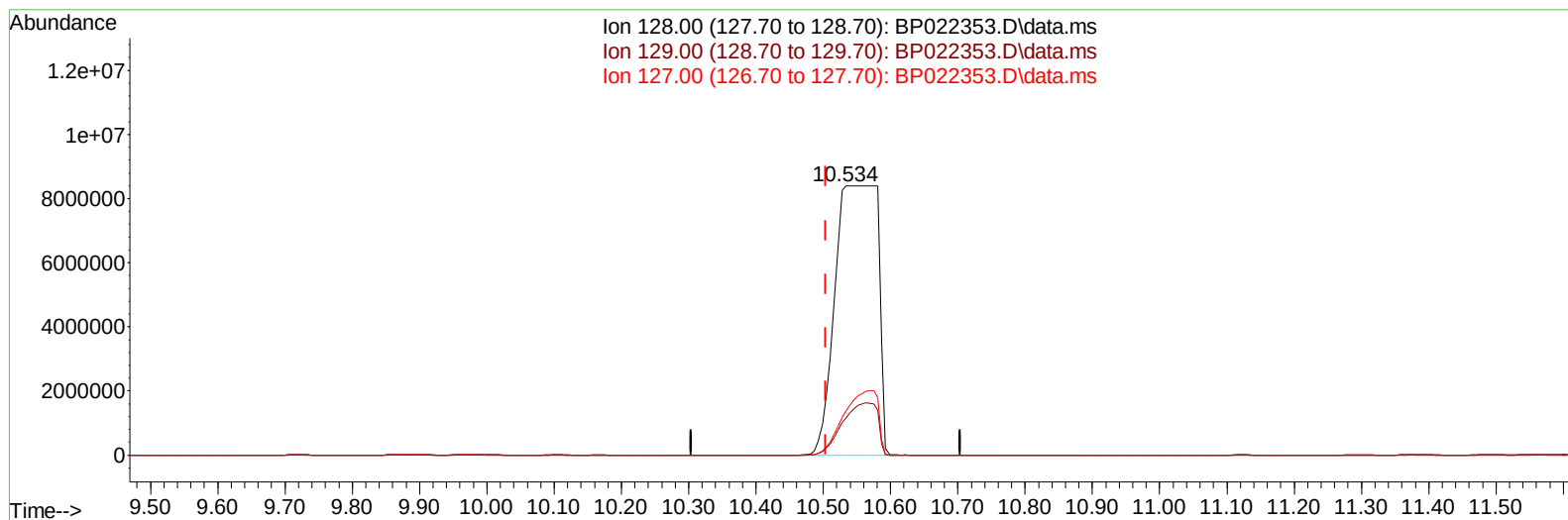
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
 Data File : BP022353.D
 Acq On : 14 Oct 2024 13:13
 Operator : RC/JU
 Sample : P4264-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCYN6

Manual IntegrationsAPPROVED

Quant Time: Oct 14 13:45:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 14 11:01:55 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/15/2024
 Supervised By :mohammad ahmed 10/22/2024



TIC: BP022353.D\data.ms

(30) Naphthalene

10.534min (+ 0.029) 1610.34 ng/ul m

response 37100582

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	10.70	13.83#
127.00	12.40	16.40#
0.00	0.00	0.00

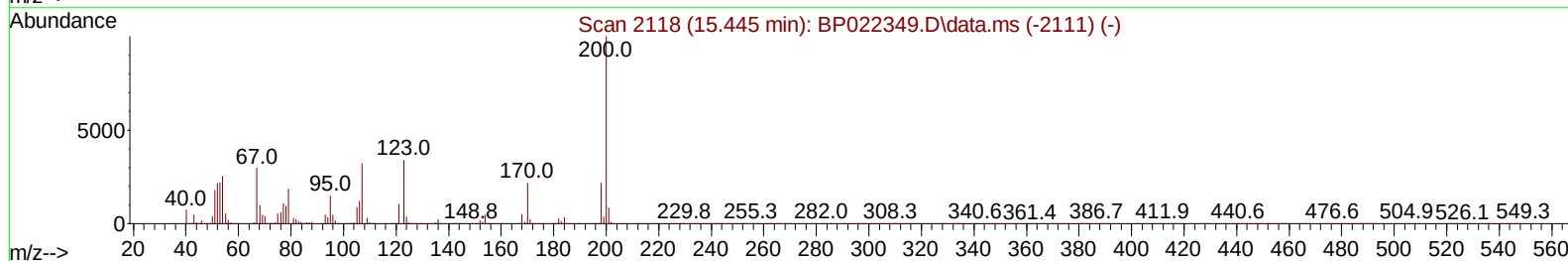
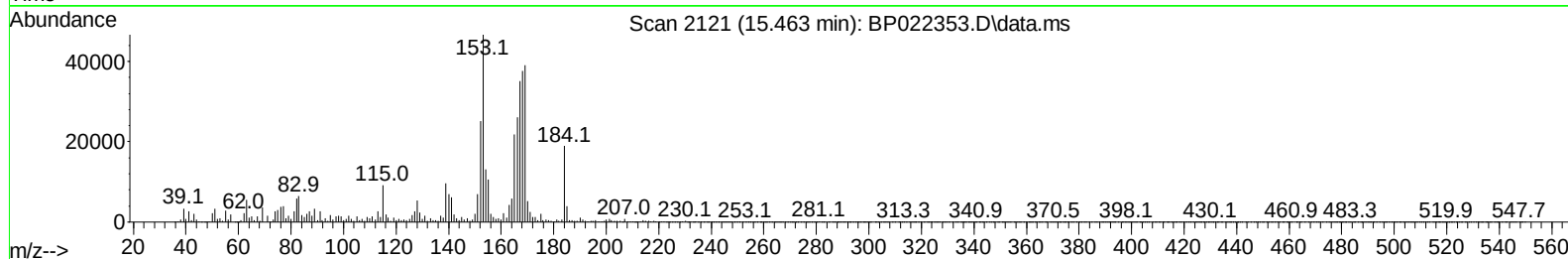
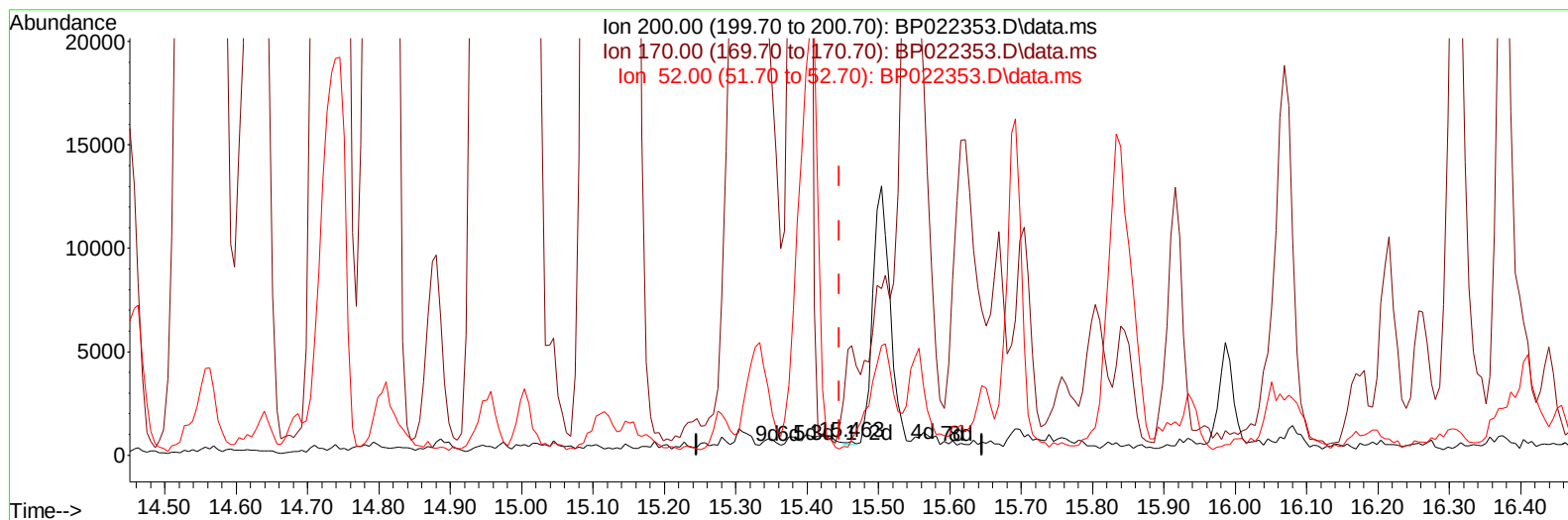
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
Data File : BP022353.D
Acq On : 14 Oct 2024 13:13
Operator : RC/JU
Sample : P4264-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCYN6

Manual IntegrationsAPPROVED

Quant Time: Oct 14 13:45:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 14 11:01:55 2024
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TIC: BP022353.D\data.ms

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

15.463min (+ 0.018) 0.01 ng/ul

response 84

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	22.00	808.24#
52.00	36.60	116.34#
0.00	0.00	0.00

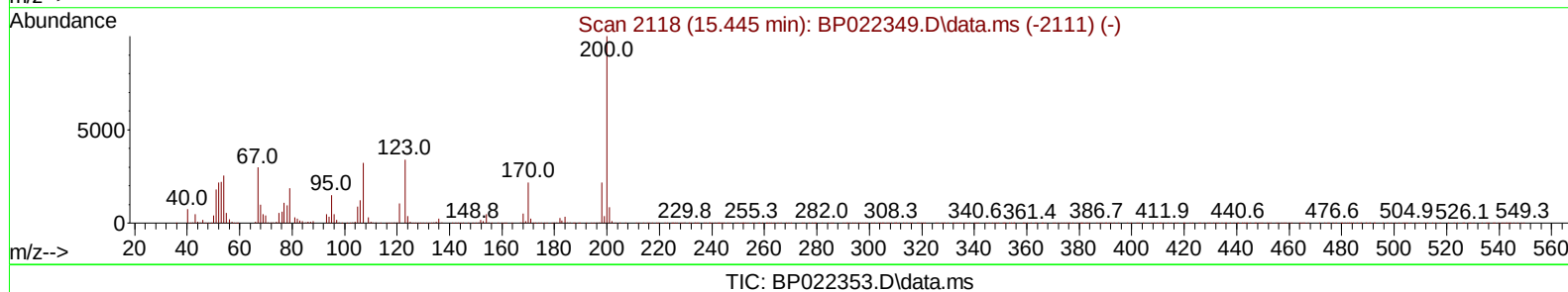
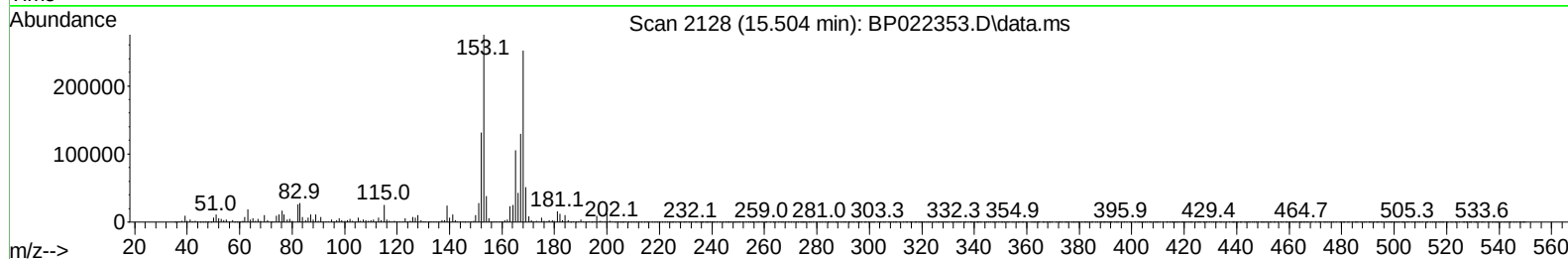
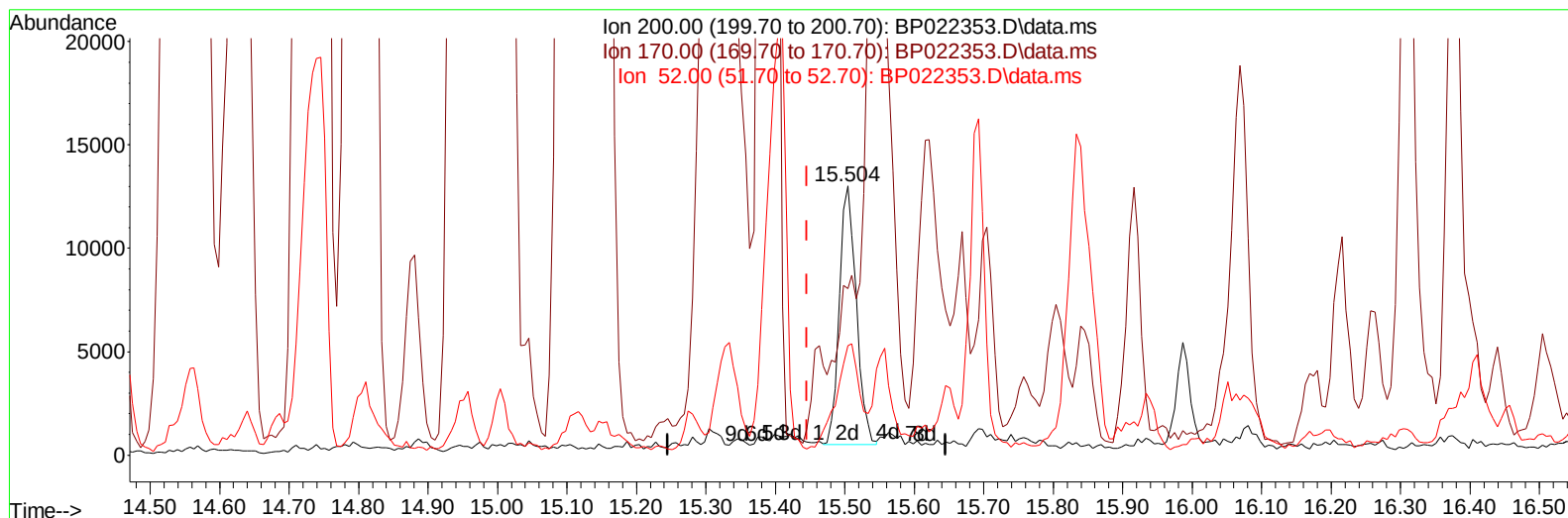
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
Data File : BP022353.D
Acq On : 14 Oct 2024 13:13
Operator : RC/JU
Sample : P4264-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCYN6

Manual IntegrationsAPPROVED

Quant Time: Oct 14 13:45:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 14 11:01:55 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/22/2024



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

15.504min (+ 0.059) 3.56 ng/ul m

response 21100

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	22.00	61.78#
52.00	36.60	40.75
0.00	0.00	0.00

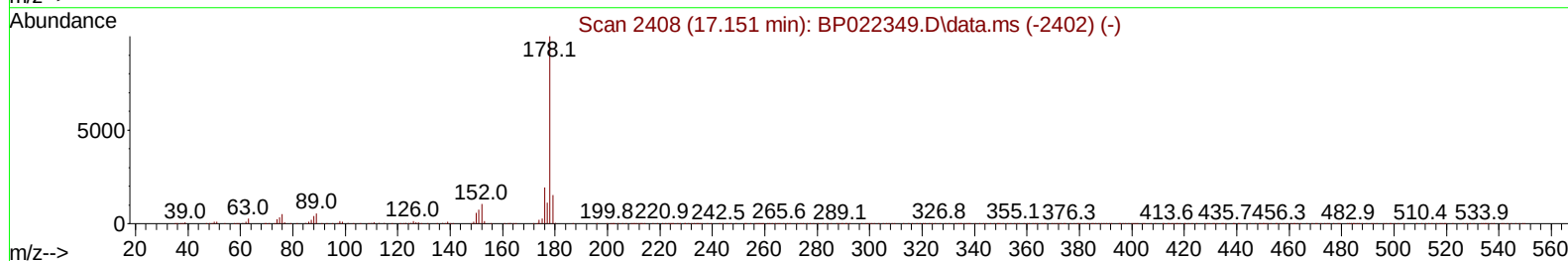
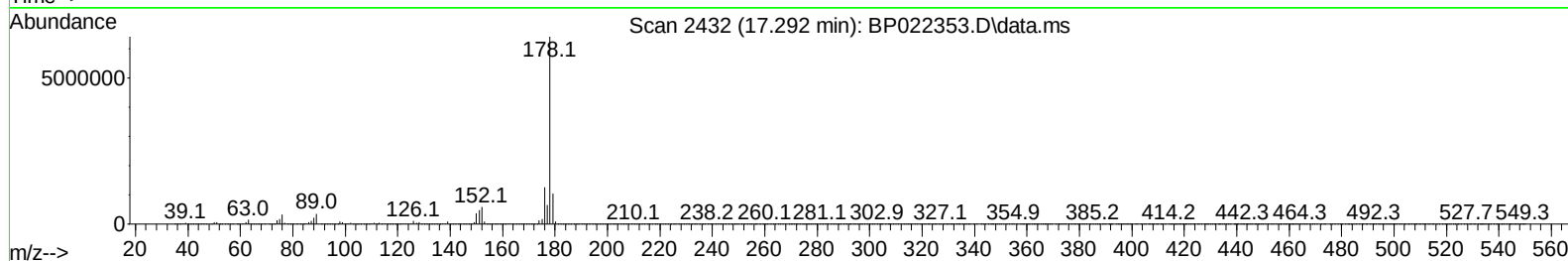
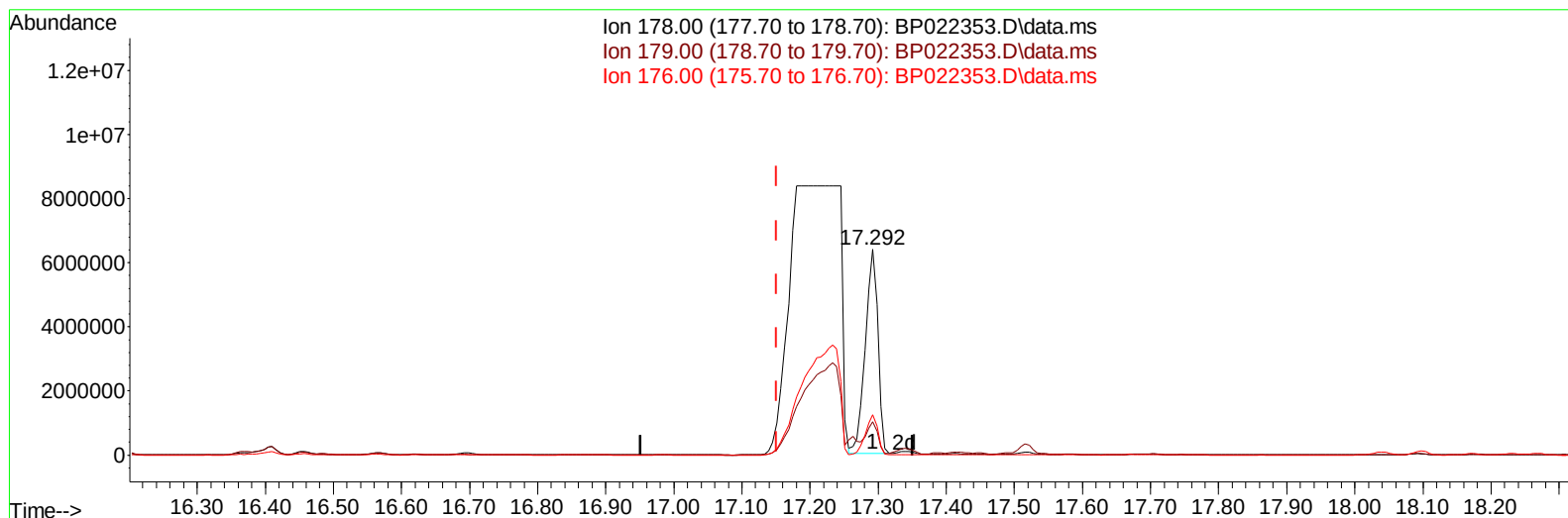
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
Data File : BP022353.D
Acq On : 14 Oct 2024 13:13
Operator : RC/JU
Sample : P4264-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCYN6

Manual IntegrationsAPPROVED

Quant Time: Oct 14 13:45:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 14 11:01:55 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/22/2024



TIC: BP022353.D\data.ms

(72) Phenanthrene

17.292min (+ 0.141) 169.49 ng/uL

response 8165092

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.30	16.25
176.00	19.60	19.53
0.00	0.00	0.00

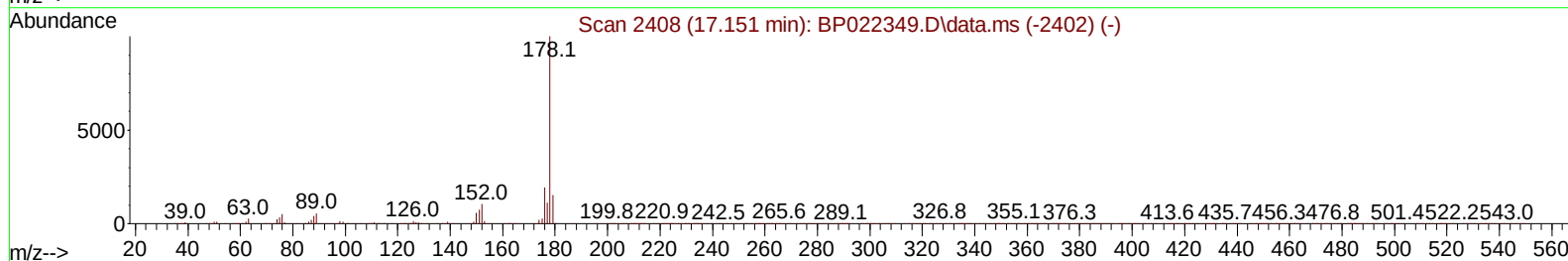
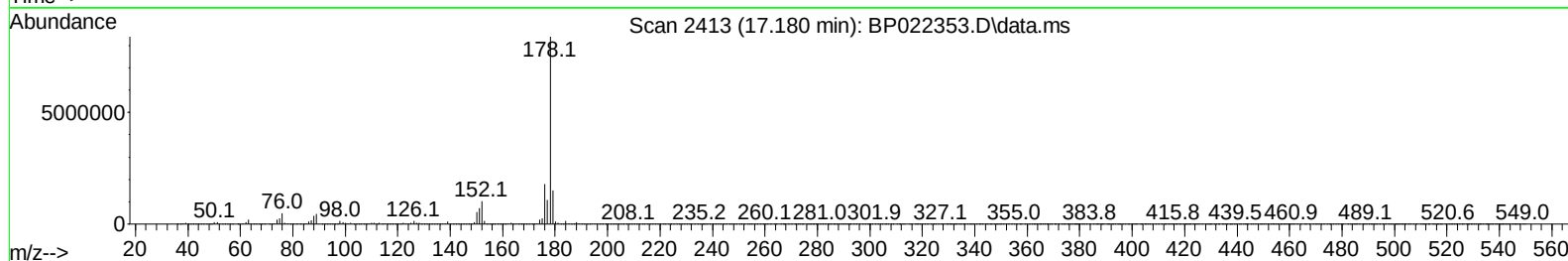
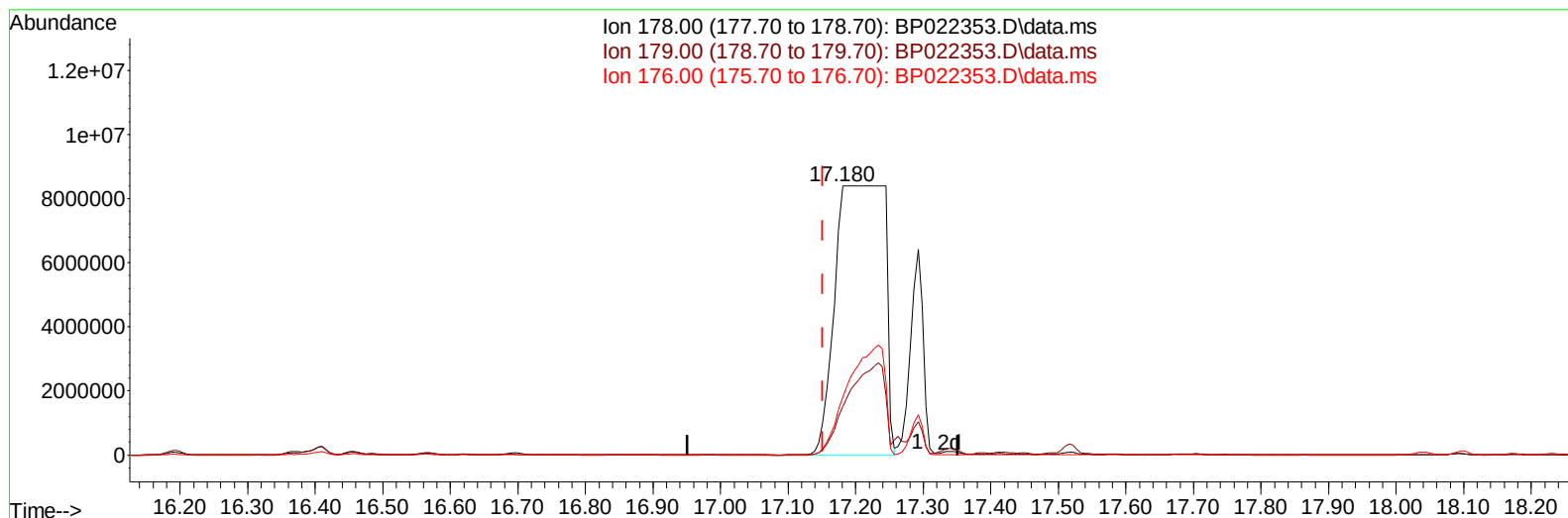
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
Data File : BP022353.D
Acq On : 14 Oct 2024 13:13
Operator : RC/JU
Sample : P4264-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCYN6

Manual IntegrationsAPPROVED

Quant Time: Oct 14 13:45:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 14 11:01:55 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/22/2024



TIC: BP022353.D\data.ms

(72) Phenanthrene

17.180min (+ 0.029) 883.70 ng/uL m

response 42572289

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.30	17.99
176.00	19.60	21.49
0.00	0.00	0.00

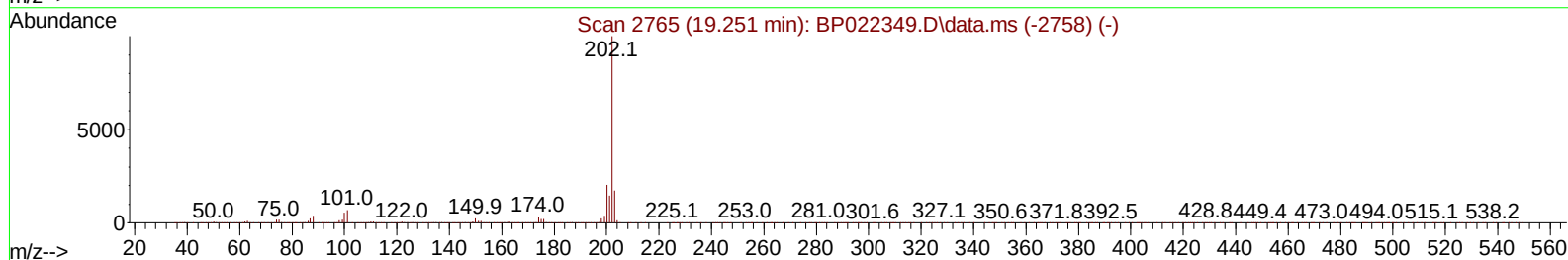
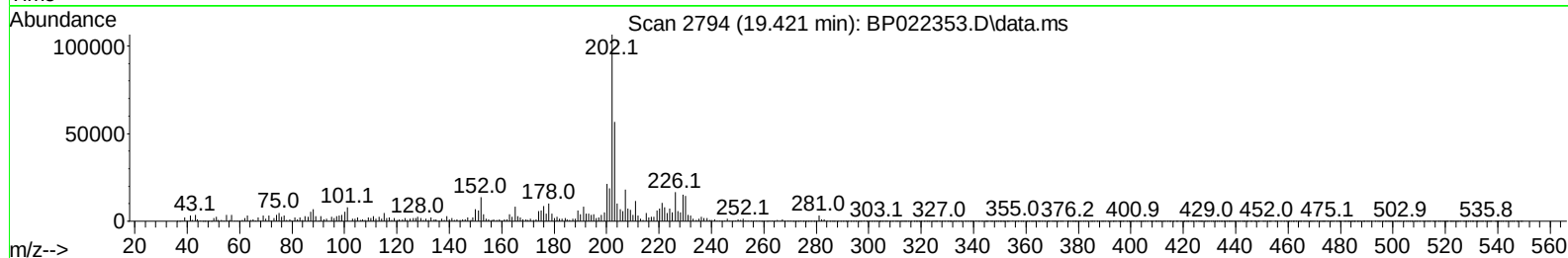
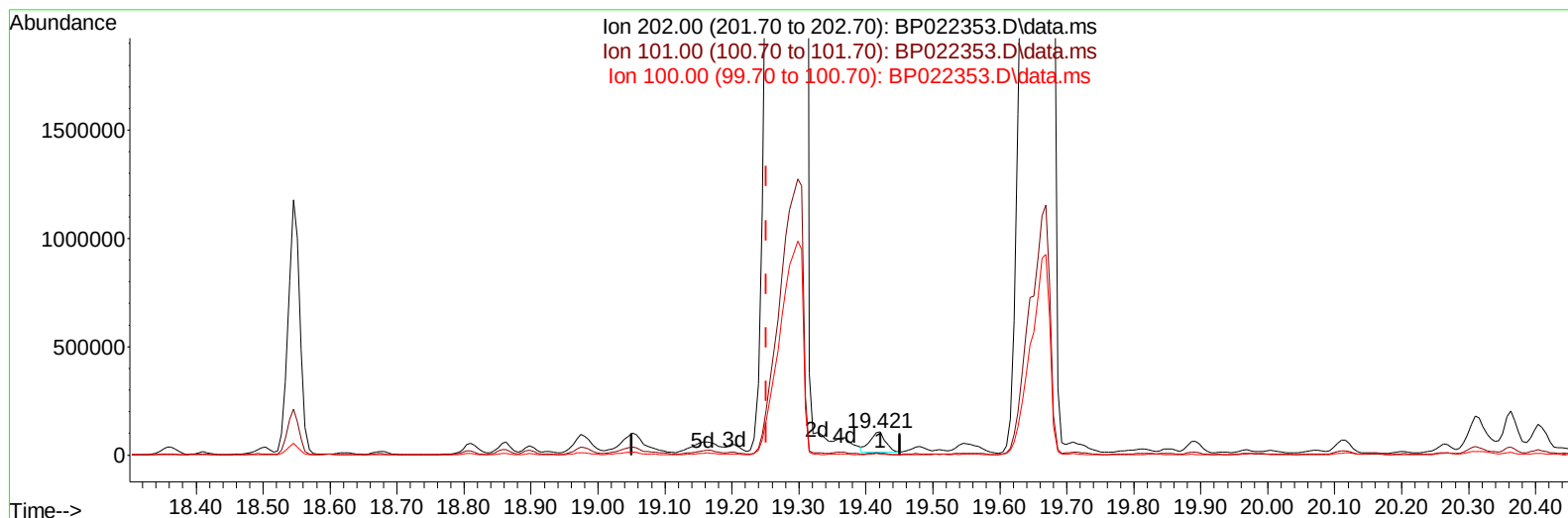
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
Data File : BP022353.D
Acq On : 14 Oct 2024 13:13
Operator : RC/JU
Sample : P4264-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCYN6

Manual IntegrationsAPPROVED

Quant Time: Oct 14 13:45:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

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Supervised By :mohammad ahmed 10/22/2024



TIC: BP022353.D\data.ms

(80) Fluoranthene

19.421min (+ 0.171) 2.45 ng/u1

response 148226

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	7.30	7.55
100.00	5.60	5.06
0.00	0.00	0.00

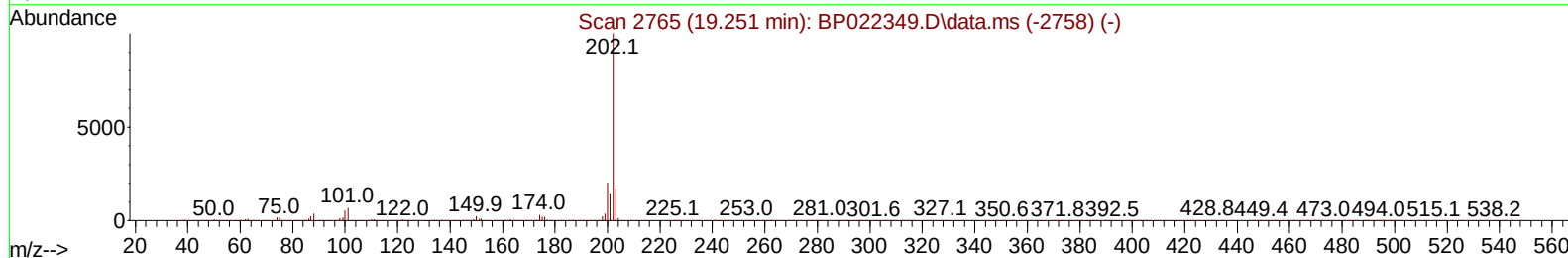
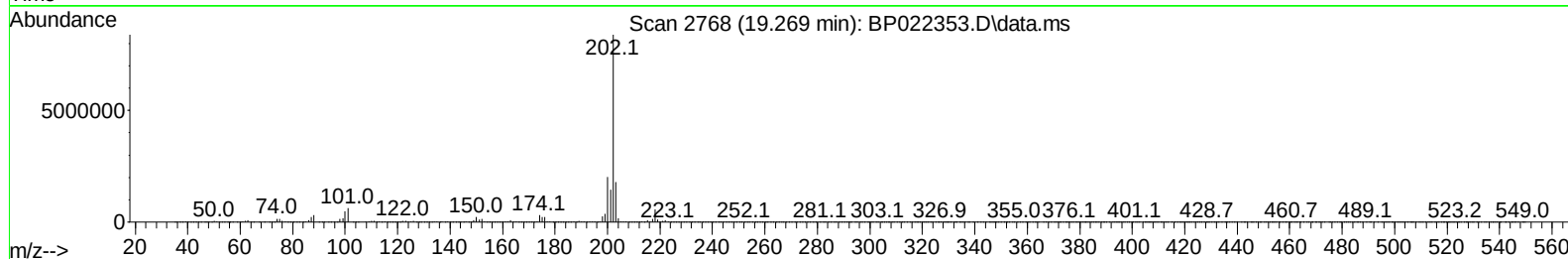
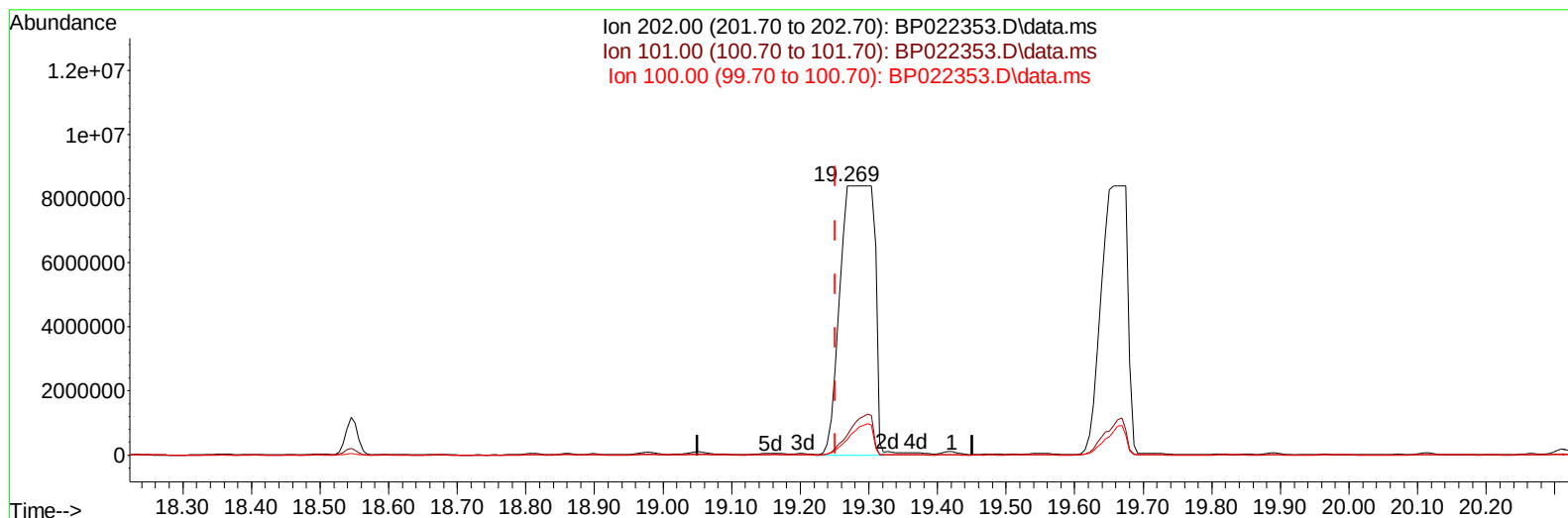
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
Data File : BP022353.D
Acq On : 14 Oct 2024 13:13
Operator : RC/JU
Sample : P4264-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCYN6

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/22/2024

Quant Time: Oct 14 13:45:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 14 11:01:55 2024
Response via : Initial Calibration



TIC: BP022353.D\data.ms

(80) Fluoranthene

19.269min (+ 0.018) 477.00 ng/ul m

response 28820599

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	7.30	7.49
100.00	5.60	5.79
0.00	0.00	0.00

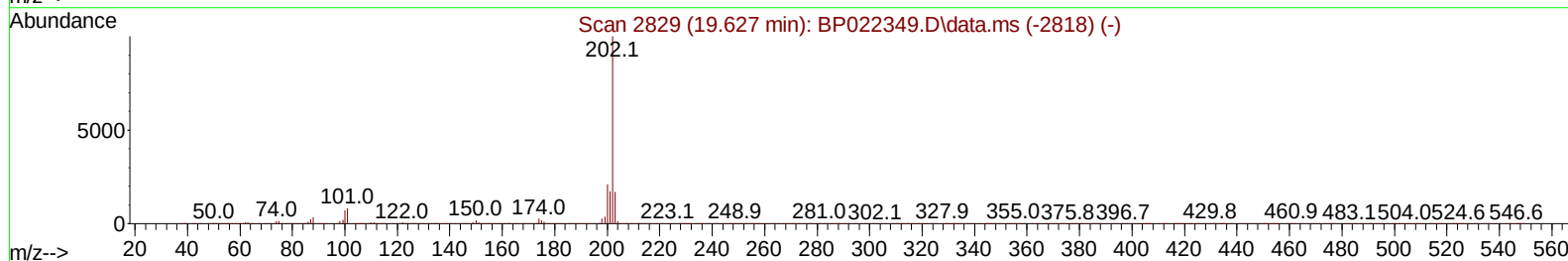
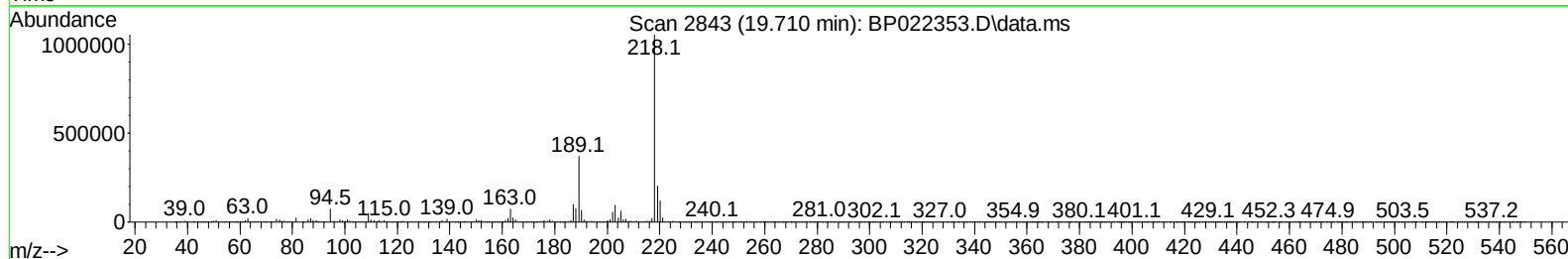
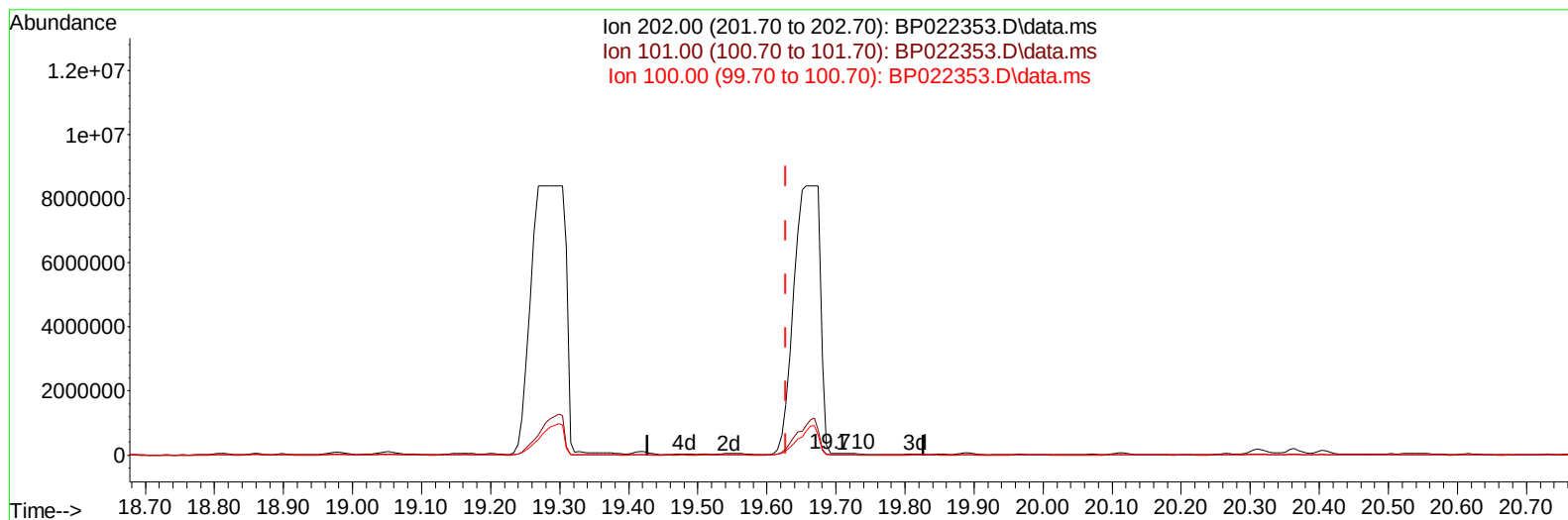
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
Data File : BP022353.D
Acq On : 14 Oct 2024 13:13
Operator : RC/JU
Sample : P4264-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCYN6

Manual IntegrationsAPPROVED

Quant Time: Oct 14 13:45:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 14 11:01:55 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/22/2024



TIC: BP022353.D\data.ms

(82) Pyrene

19.710min (+ 0.082) 1.47 ng/u1

response 95305

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	8.40	22.16#
100.00	7.20	10.95#
0.00	0.00	0.00

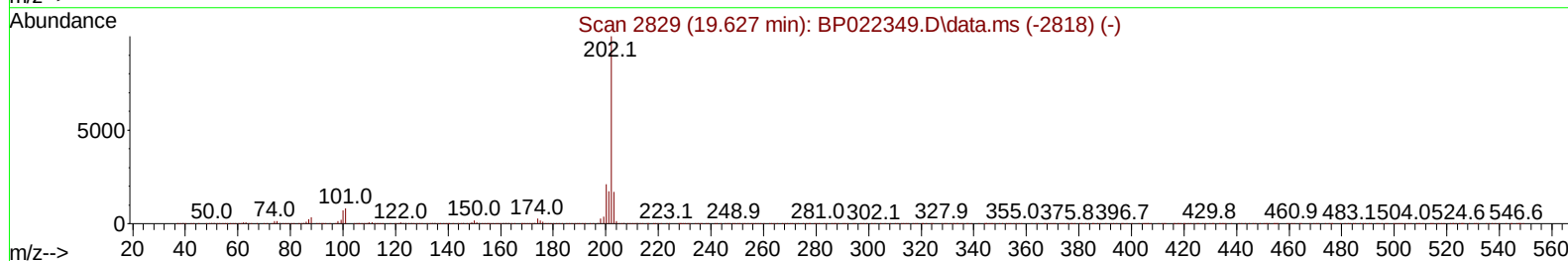
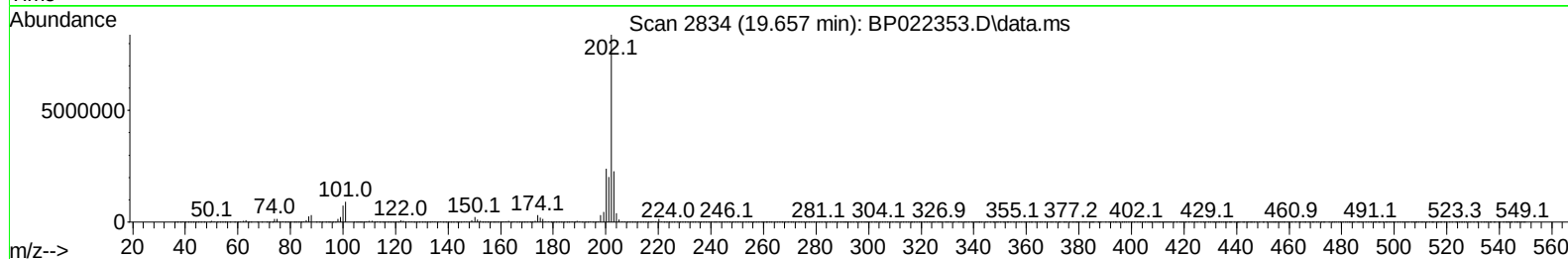
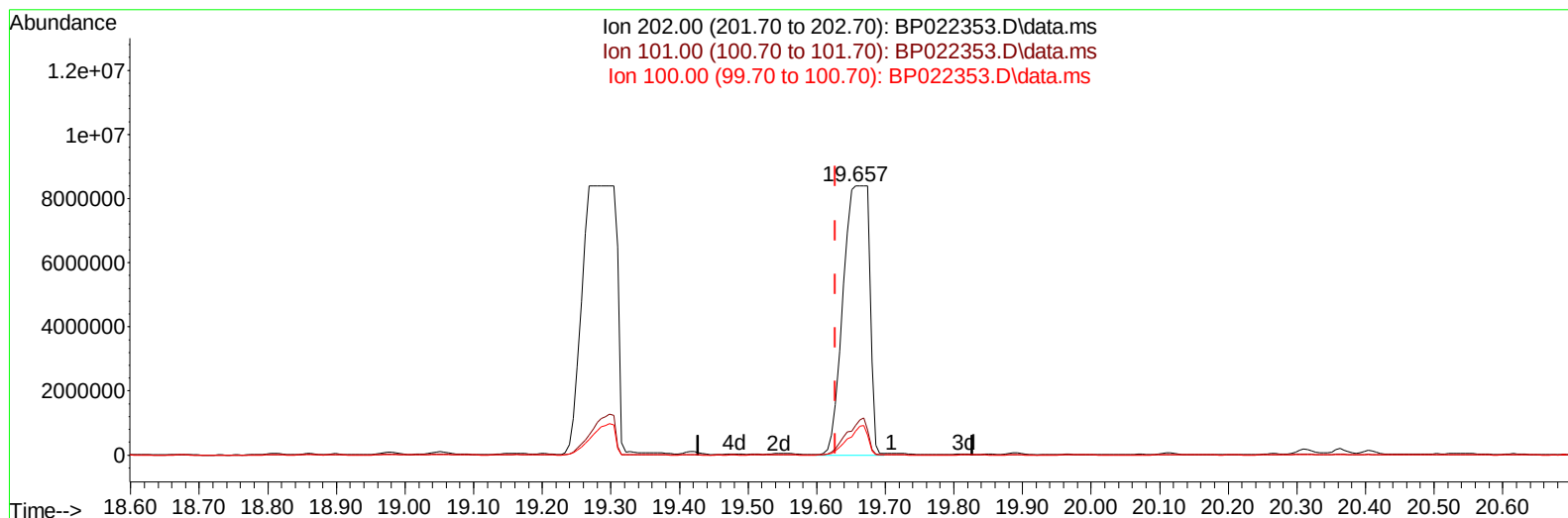
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
Data File : BP022353.D
Acq On : 14 Oct 2024 13:13
Operator : RC/JU
Sample : P4264-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCYN6

Manual IntegrationsAPPROVED

Quant Time: Oct 14 13:45:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 14 11:01:55 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/15/2024
Supervised By :mohammad ahmed 10/22/2024



TIC: BP022353.D\data.ms

(82) Pyrene

19.657min (+ 0.029) 343.61 ng/ul m

response 22251679

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	8.40	10.96#
100.00	7.20	8.77#
0.00	0.00	0.00

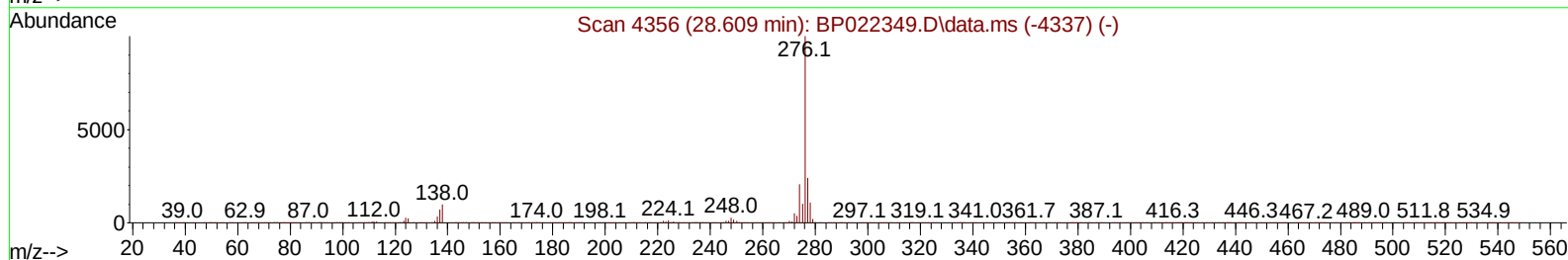
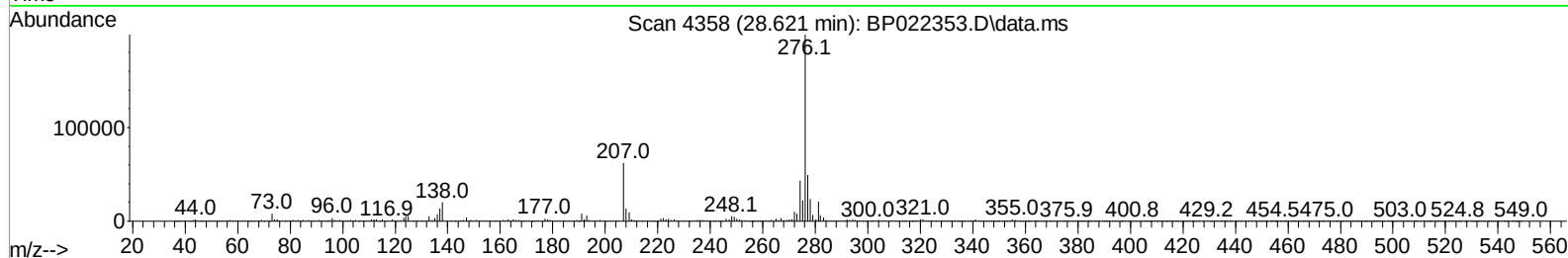
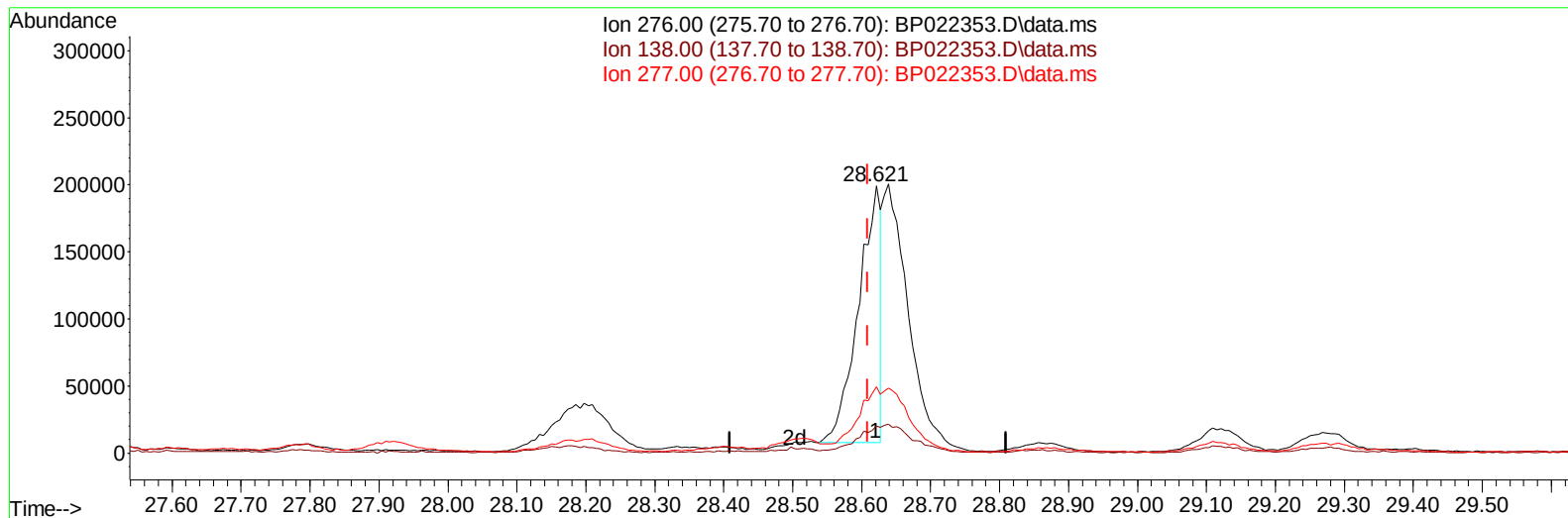
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
Data File : BP022353.D
Acq On : 14 Oct 2024 13:13
Operator : RC/JU
Sample : P4264-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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Quant Time: Oct 14 13:45:22 2024
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Quant Title : SVOA CALIBRATION
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TIC: BP022353.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

28.621min (+ 0.012) 4.51 ng/u ℓ

response 431904

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	11.40	10.17
277.00	23.20	24.88
0.00	0.00	0.00

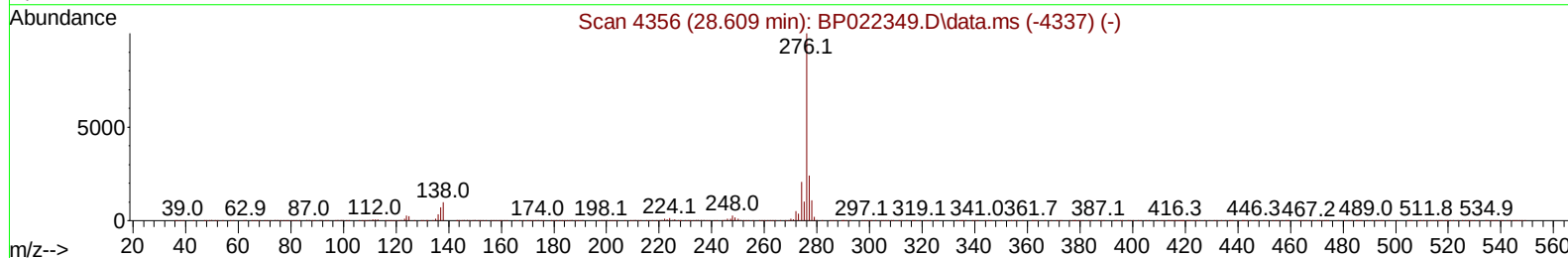
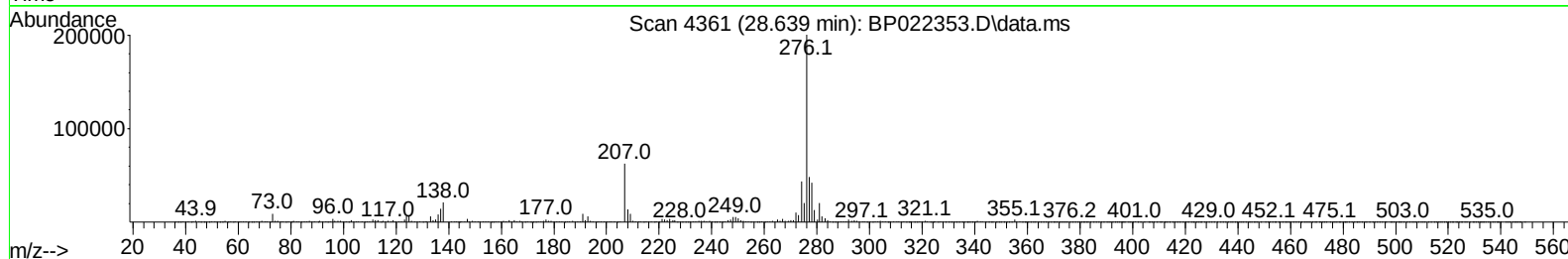
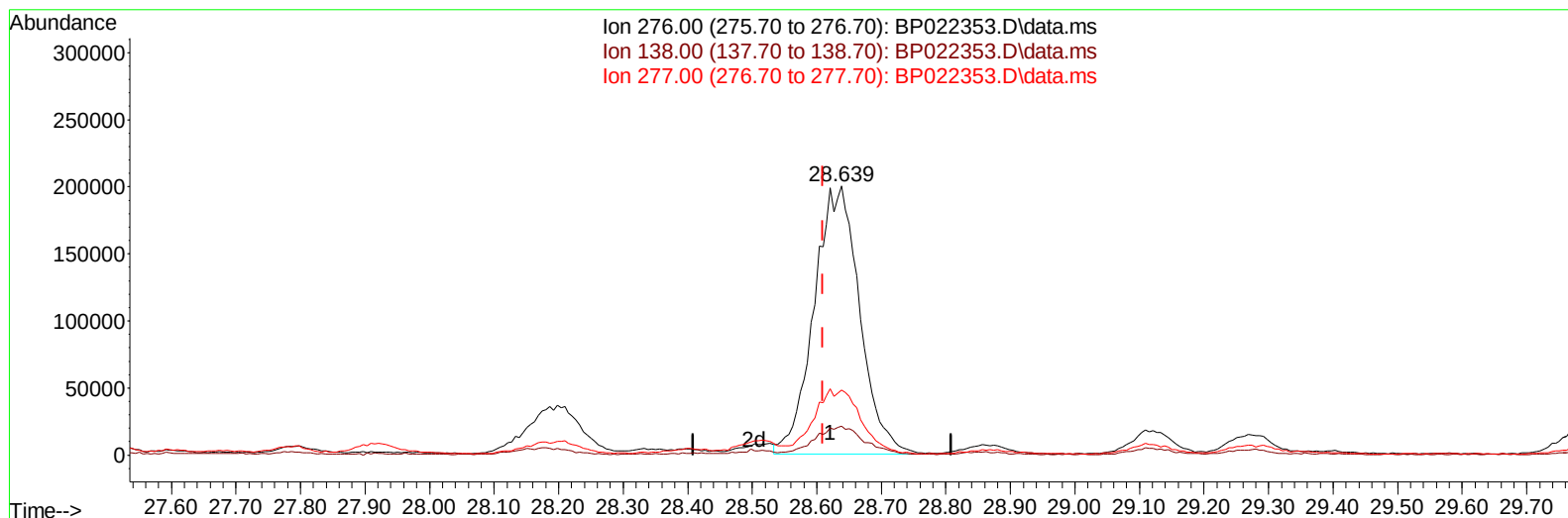
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
 Data File : BP022353.D
 Acq On : 14 Oct 2024 13:13
 Operator : RC/JU
 Sample : P4264-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCYN6

Manual IntegrationsAPPROVED

Quant Time: Oct 14 13:45:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 14 11:01:55 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/15/2024
 Supervised By :mohammad ahmed 10/22/2024



TIC: BP022353.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

28.639min (+ 0.029) 10.28 ng/ul m

response 984158

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	11.40	10.68
277.00	23.20	24.15
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
 Data File : BP022353.D
 Acq On : 14 Oct 2024 13:13
 Operator : RC/JU
 Sample : P4264-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCYN6

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Reviewed By :Yogesh Patel 10/15/2024
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Quant Time: Oct 14 13:50:15 2024
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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.699	152		142650	20.000	ng/ul	0.00
20) Naphthalene-d8	10.481	136		432552m	20.000	ng/ul	0.03
38) Acenaphthene-d10	14.328	164		443649	20.000	ng/ul	0.02
64) Phenanthrene-d10	17.151	188		900448	20.000	ng/ul	0.04
79) Chrysene-d12	21.580	240		993855	20.000	ng/ul	0.03
88) Perylene-d12	24.868	264		1238795	20.000	ng/ul	0.02
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.222	96		4287	1.168	ng/uL	0.00
4) Pyridine-d5	0.000	84		0d	0.000	ng/ul	
7) Phenol-d5	6.893	99		109888	9.151	ng/ul	0.01
9) Bis-(2-Chloroethyl)eth...	7.040	67		66905	9.480	ng/ul	0.00
11) 2-Chlorophenol-d4	7.246	132		83063	9.749	ng/ul	0.00
15) 4-Methylphenol-d8	8.404	113		91992	9.600	ng/ul	0.00
21) Nitrobenzene-d5	8.846	128		47247	14.206	ng/ul	0.01
24) 2-Nitrophenol-d4	9.557	143		51989	13.502	ng/ul	0.01
28) 2,4-Dichlorophenol-d3	10.110	165		105018	12.832	ng/ul	0.03
31) 4-Chloroaniline-d4	10.610	131		91338	9.445	ng/ul	0.02
46) Dimethylphthalate-d6	13.722	166		339454	9.630	ng/ul	0.01
49) Acenaphthylene-d8	14.010	160		373761	9.983	ng/ul	0.01
54) 4-Nitrophenol-d4	14.557	143		42864	7.249	ng/ul	0.02
60) Fluorene-d10	15.339	176		320425	10.480	ng/ul	0.02
65) 4,6-Dinitro-2-methylph...	15.504	200		21100m	3.563	ng/ul	0.06
73) Anthracene-d10	17.263	188		456562	10.778	ng/ul	0.06
81) Pyrene-d10	19.621	212		552115	10.505	ng/ul	0.02
92) Benzo(a)pyrene-d12	24.645	264		524786	7.932	ng/ul	0.01
Target Compounds							
						Qvalue	
30) Naphthalene	10.534	128		37100582m	1610.340	ng/ul	
36) 2-Methylnaphthalene	12.157	142		14185786	838.814	ng/ul	97
37) 1-Methylnaphthalene	12.363	142		7222672	418.429	ng/ul	99
50) Acenaphthylene	14.039	152		528749	13.608	ng/ul#	84
52) Acenaphthene	14.404	153		11698911	425.791	ng/ul	98
61) Fluorene	15.410	166		13330290	396.401	ng/ul	98
71) Pentachlorophenol	16.792	266		486087	56.561	ng/ul	97
72) Phenanthrene	17.180	178		42572289m	883.703	ng/ul	
74) Anthracene	17.292	178		8165092	169.838	ng/ul	98
80) Fluoranthene	19.269	202		28820599m	477.001	ng/ul	
82) Pyrene	19.657	202		22251679m	343.609	ng/ul	
85) Benzo(a)anthracene	21.557	228		11451681	164.363	ng/ul	97
87) Chrysene	21.633	228		8586756	132.916	ng/ul	96
90) Benzo(b)fluoranthene	23.851	252		6459965	82.844	ng/ul	99
91) Benzo(k)fluoranthene	23.904	252		1970094	25.805	ng/ul	97
93) Benzo(a)pyrene	24.721	252		1965705	27.390	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.639	276		984158m	10.276	ng/ul	
95) Dibenzo(a,h)anthracene	28.686	278		390664	5.037	ng/ul	98
96) Benzo(g,h,i)perylene	29.792	276		92238	1.238	ng/ul	96

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

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