

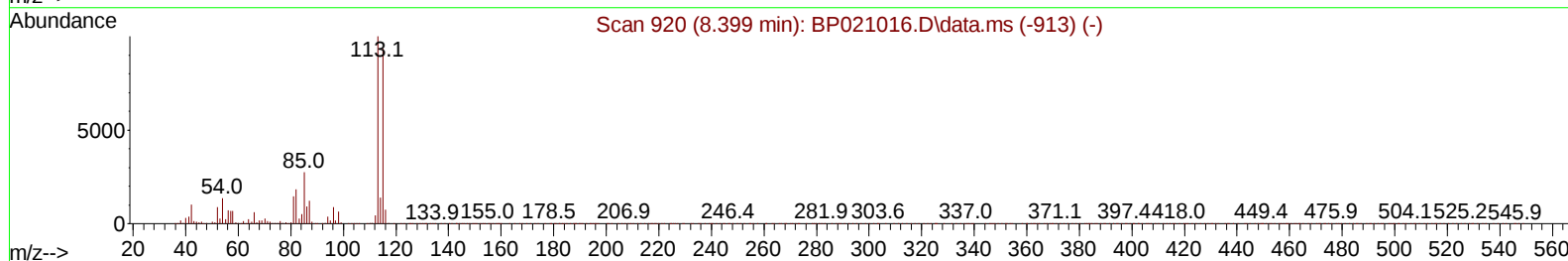
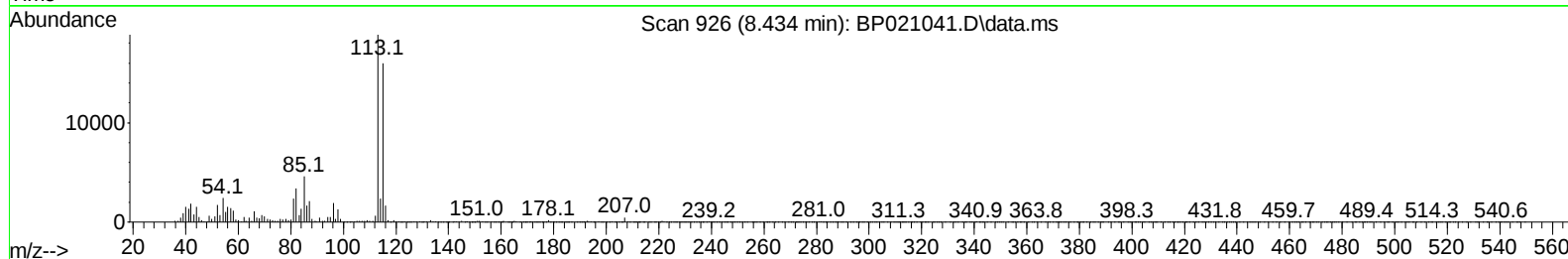
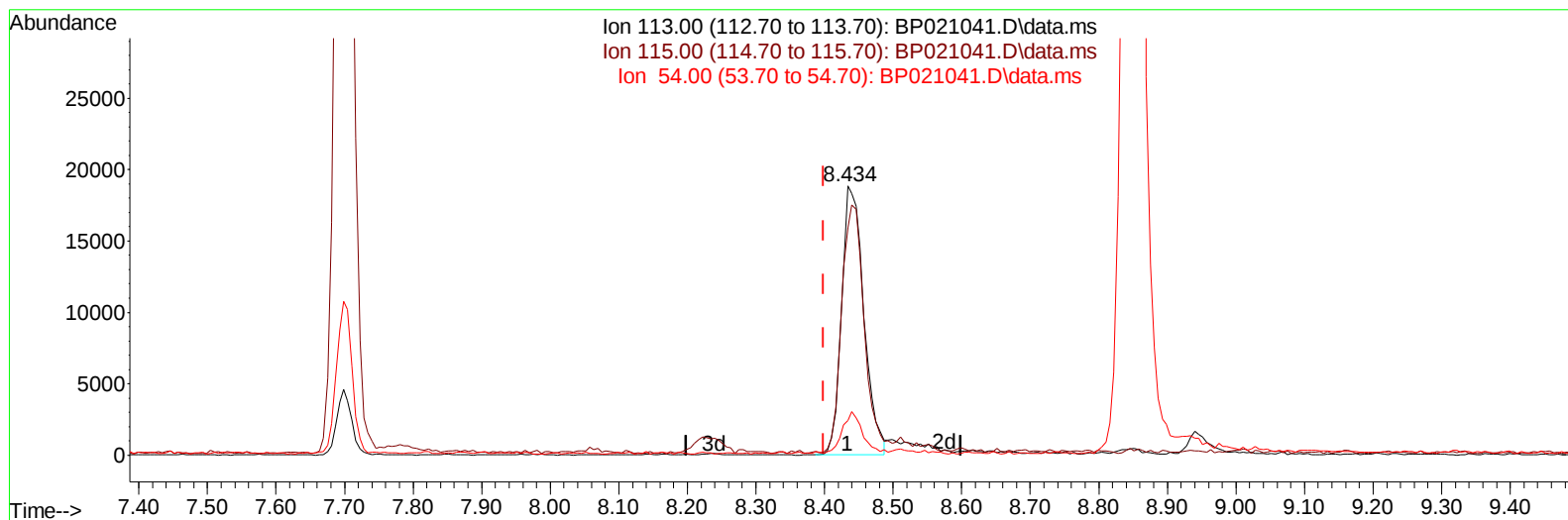
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071724\
Data File : BP021041.D
Acq On : 18 Jul 2024 08:38
Operator : MA/JU
Sample : P3215-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4C00

Manual IntegrationsAPPROVED

Quant Time: Jul 18 09:03:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 18 06:57:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



TIC: BP021041.D\data.ms

(15) 4-Methylphenol-d8 (S)

8.434min (+ 0.035) 2.84 ng/u1

response 42189

Ion	Exp%	Act%
113.00	100.00	100.00
115.00	93.20	84.59
54.00	13.70	12.88
0.00	0.00	0.00

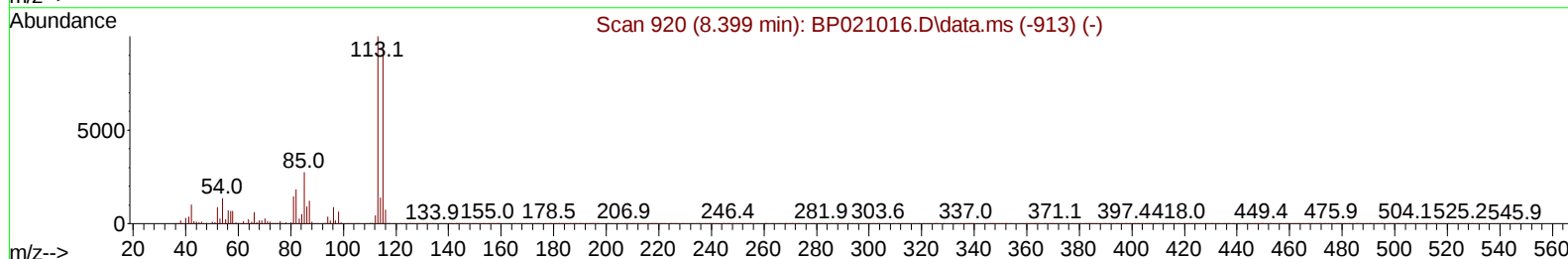
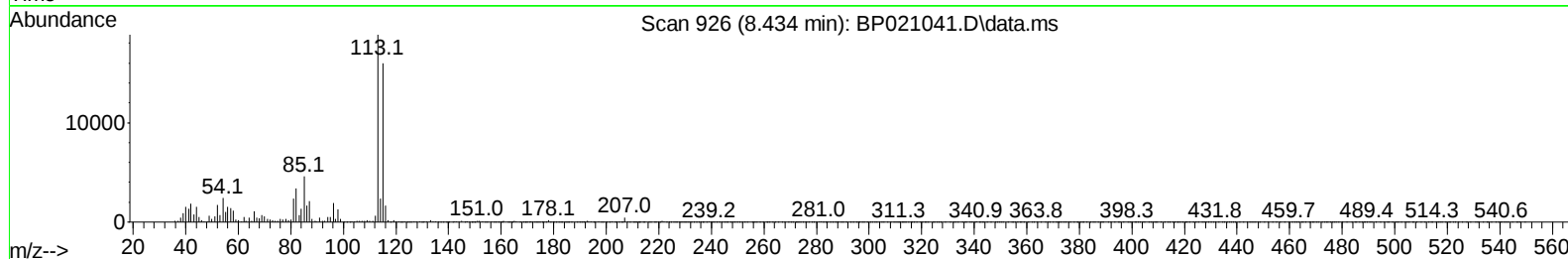
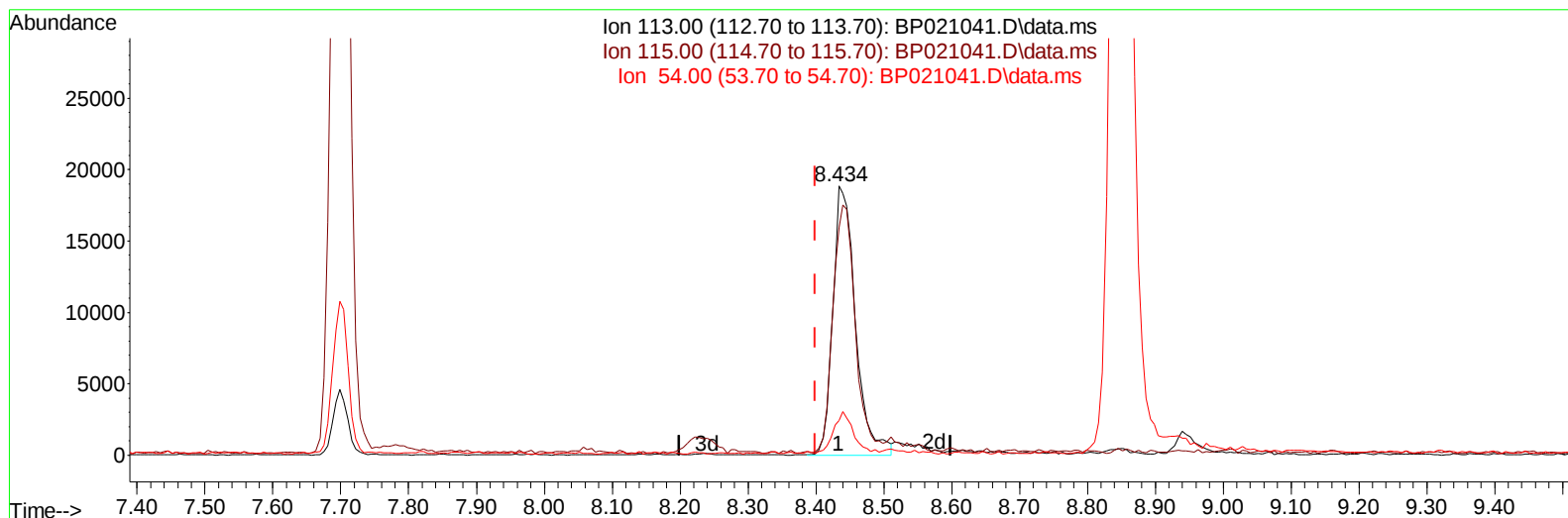
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071724\
 Data File : BP021041.D
 Acq On : 18 Jul 2024 08:38
 Operator : MA/JU
 Sample : P3215-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4C00

Manual IntegrationsAPPROVED

Quant Time: Jul 18 09:03:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 18 06:57:29 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/18/2024
 Supervised By :mohammad ahmed 07/19/2024



TIC: BP021041.D\data.ms

(15) 4-Methylphenol-d8 (S)

8.434min (+ 0.035) 2.94 ng/ul m

response 43648

Ion	Exp%	Act%
113.00	100.00	100.00
115.00	93.20	84.59
54.00	13.70	12.88
0.00	0.00	0.00

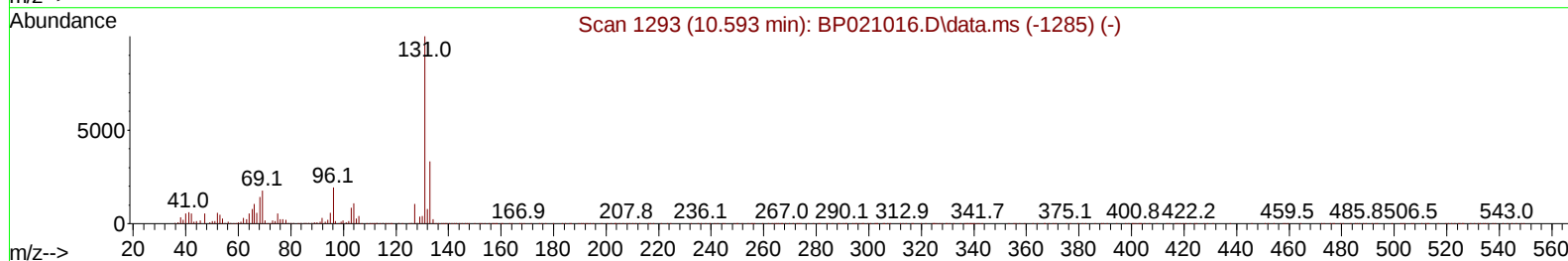
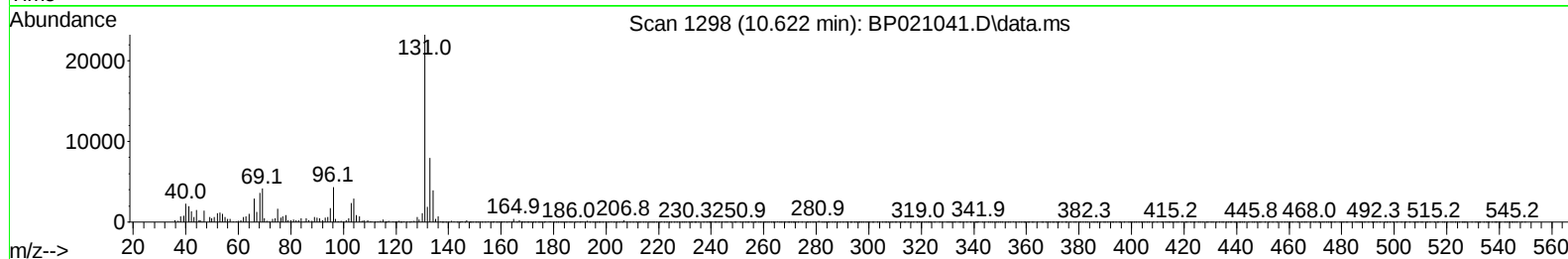
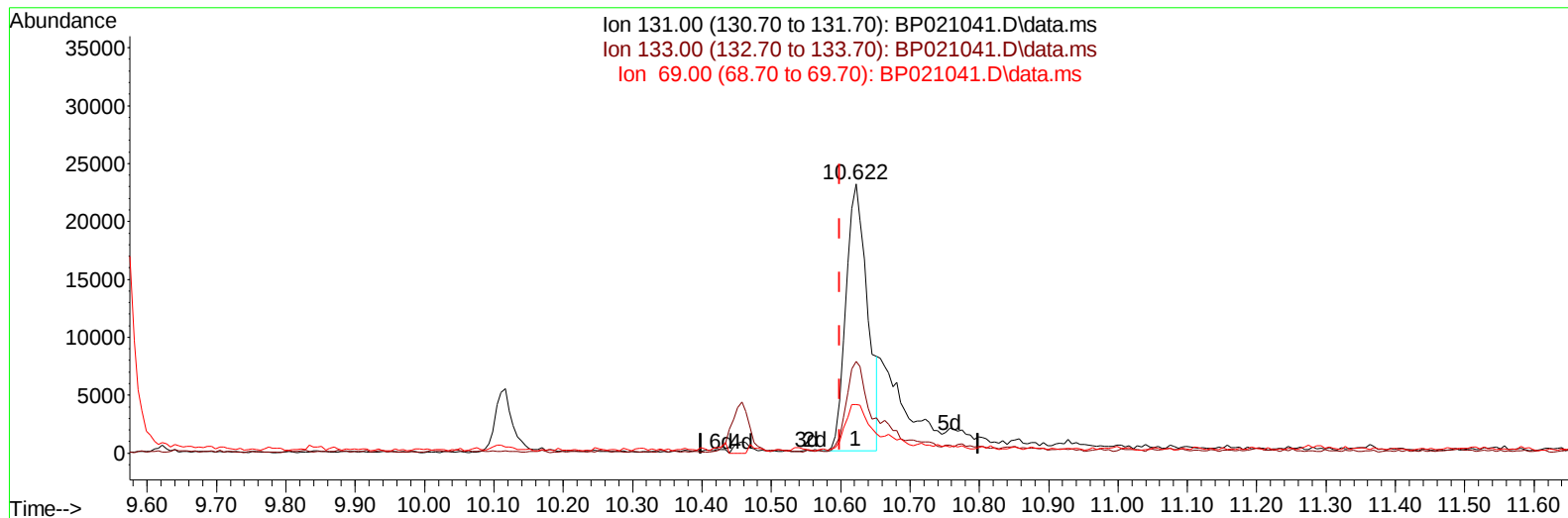
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071724\
Data File : BP021041.D
Acq On : 18 Jul 2024 08:38
Operator : MA/JU
Sample : P3215-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4C00

Manual IntegrationsAPPROVED

Quant Time: Jul 18 09:03:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 18 06:57:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



TIC: BP021041.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.622min (+ 0.023) 2.57 ng/u1

response 49329

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	32.50	34.13
69.00	17.40	18.08
0.00	0.00	0.00

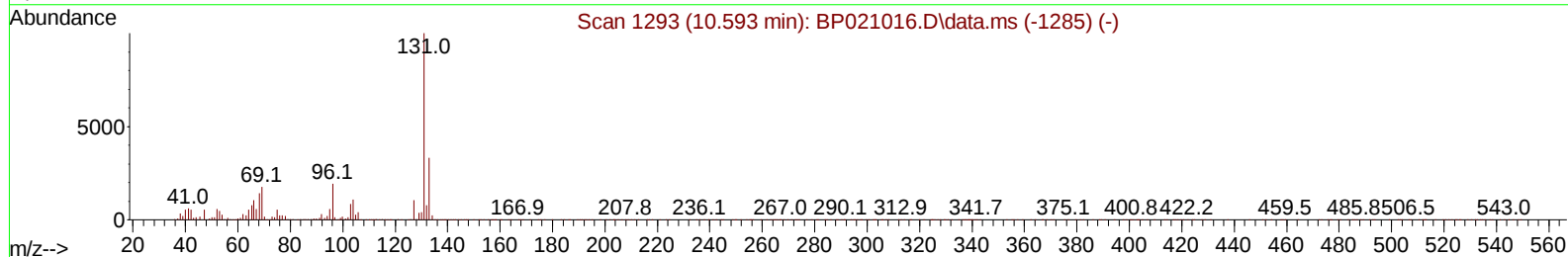
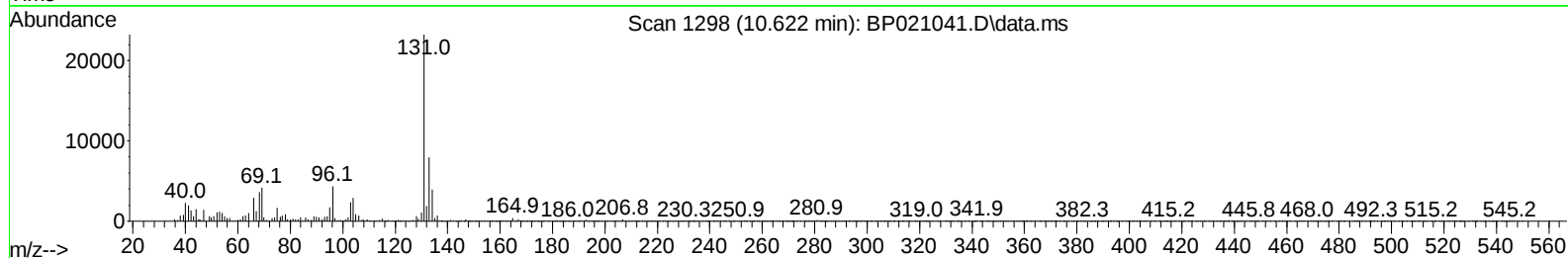
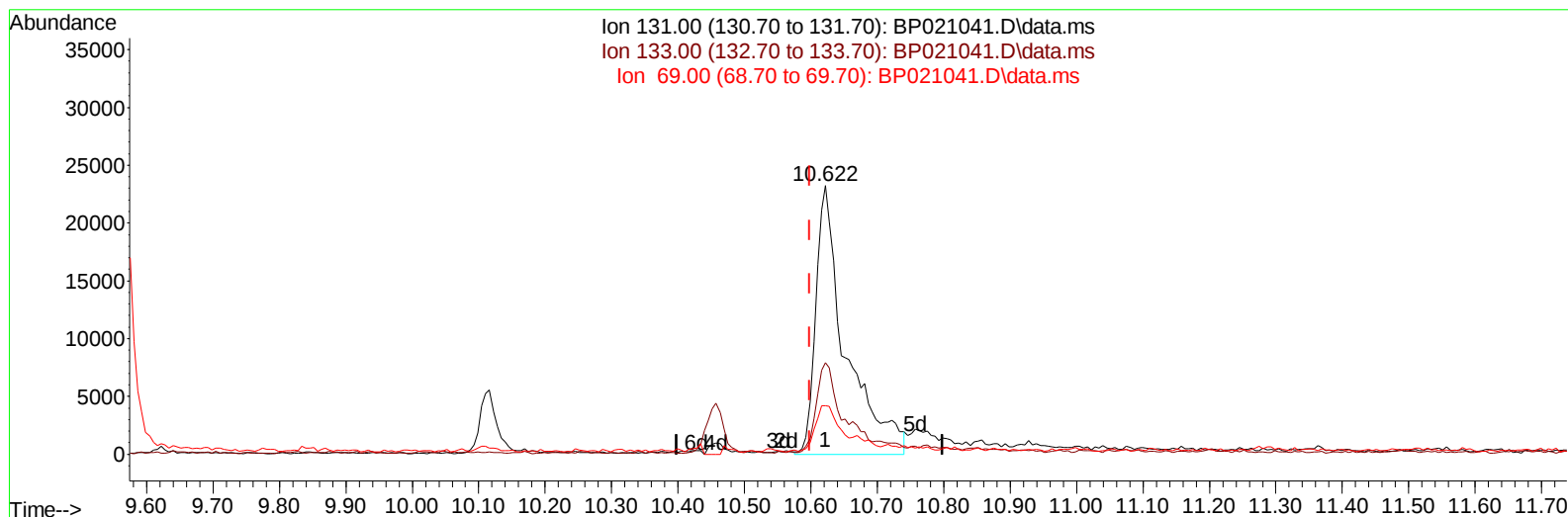
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071724\
 Data File : BP021041.D
 Acq On : 18 Jul 2024 08:38
 Operator : MA/JU
 Sample : P3215-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4C00

Manual IntegrationsAPPROVED

Quant Time: Jul 18 09:03:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 18 06:57:29 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/18/2024
 Supervised By :mohammad ahmed 07/19/2024



TIC: BP021041.D\data.ms

(31) 4-Chloroaniline-d4 (S)

10.622min (+ 0.023) 3.77 ng/ul m

response 72526

Ion	Exp%	Act%
131.00	100.00	100.00
133.00	32.50	34.13
69.00	17.40	18.08
0.00	0.00	0.00

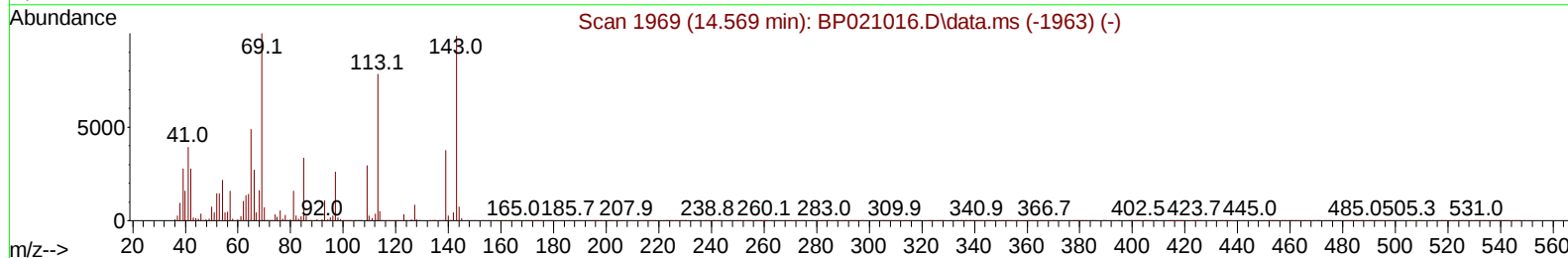
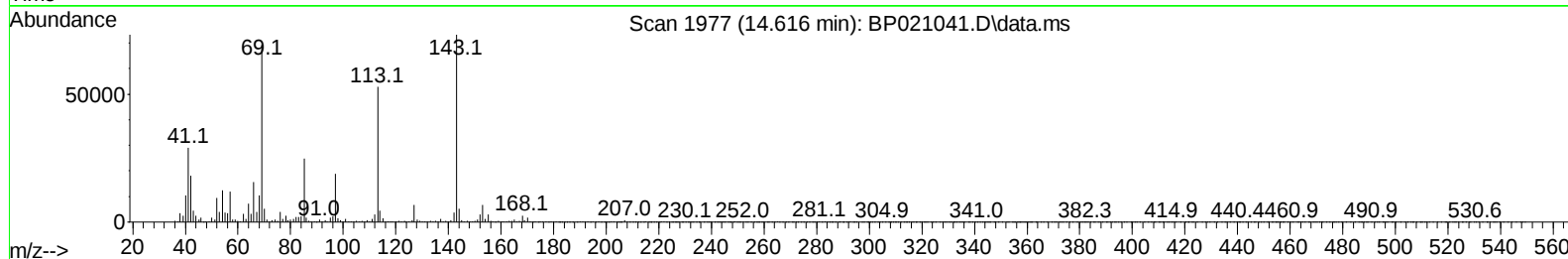
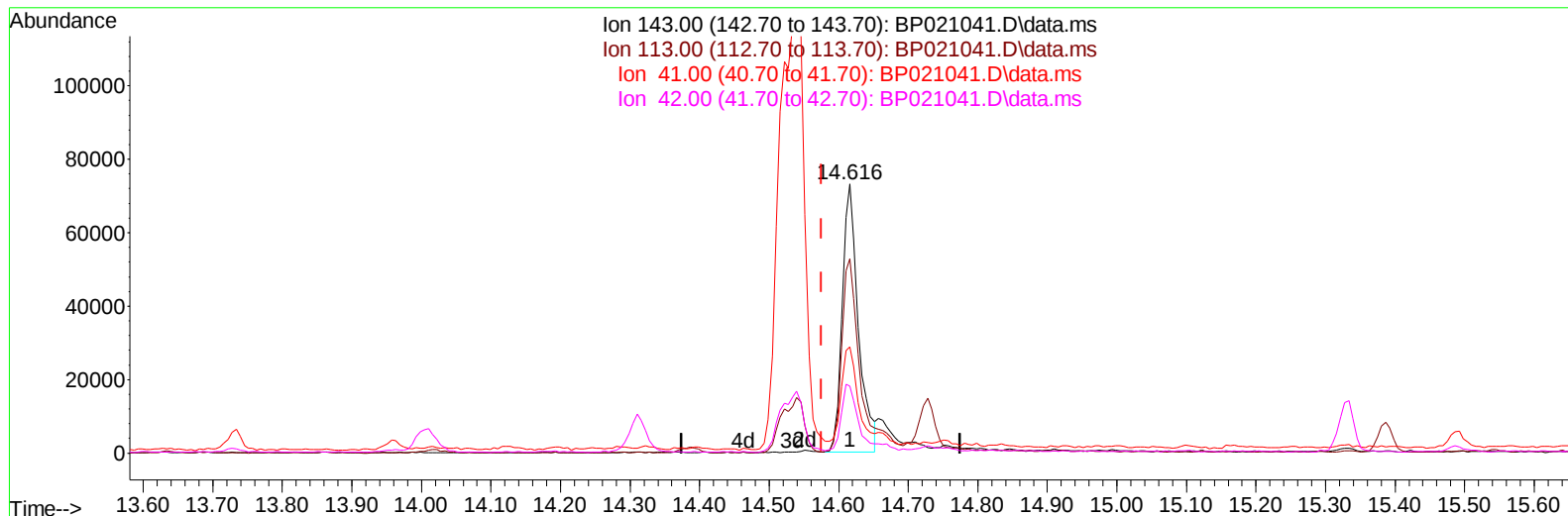
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071724\
Data File : BP021041.D
Acq On : 18 Jul 2024 08:38
Operator : MA/JU
Sample : P3215-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4C00

Manual IntegrationsAPPROVED

Quant Time: Jul 18 09:03:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 18 06:57:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



TIC: BP021041.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.616min (+ 0.041) 18.80 ng/u1

response 117375

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	74.70	72.18
41.00	37.90	39.63
42.00	27.10	24.82

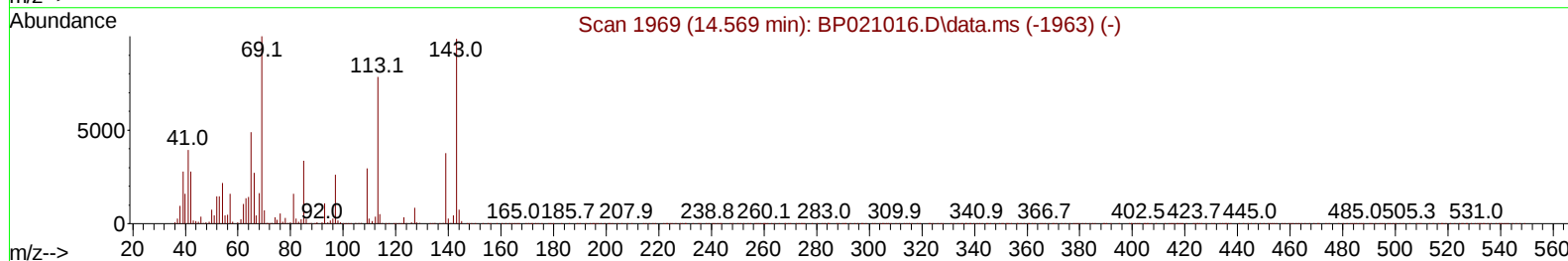
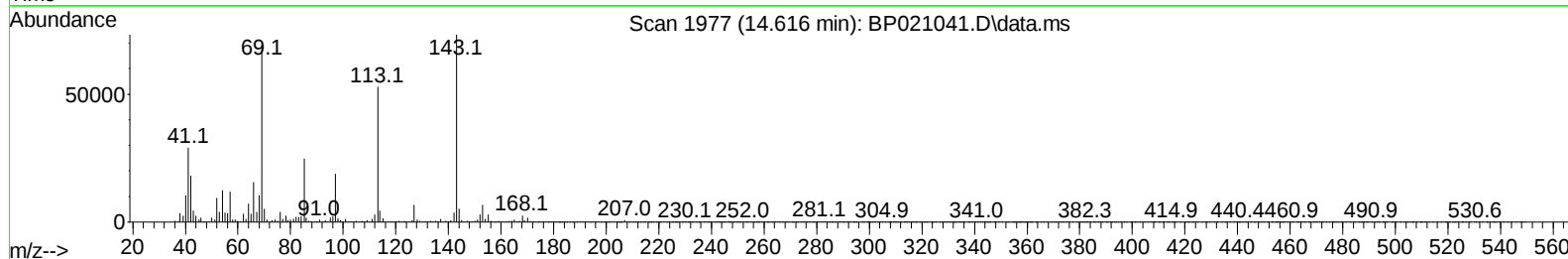
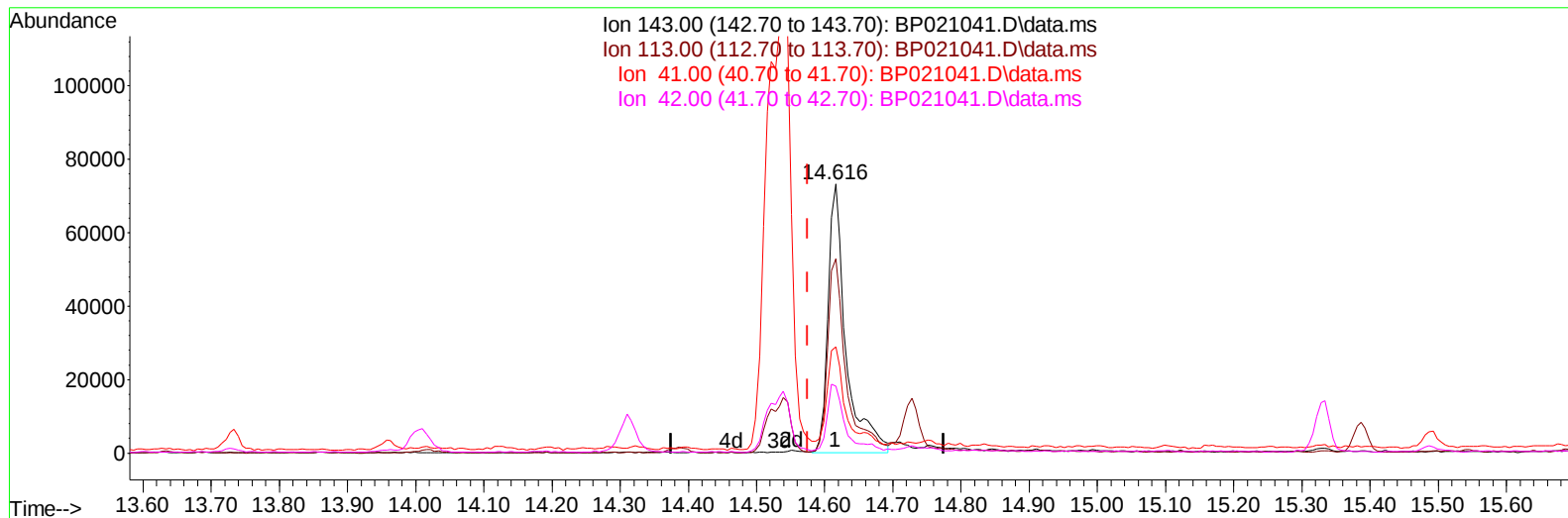
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071724\
 Data File : BP021041.D
 Acq On : 18 Jul 2024 08:38
 Operator : MA/JU
 Sample : P3215-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4C00

Manual IntegrationsAPPROVED

Quant Time: Jul 18 09:03:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 18 06:57:29 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/18/2024
 Supervised By :mohammad ahmed 07/19/2024



TIC: BP021041.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.616min (+ 0.041) 21.22 ng/ul m

response 132502

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	74.70	72.18
41.00	37.90	39.63
42.00	27.10	24.82

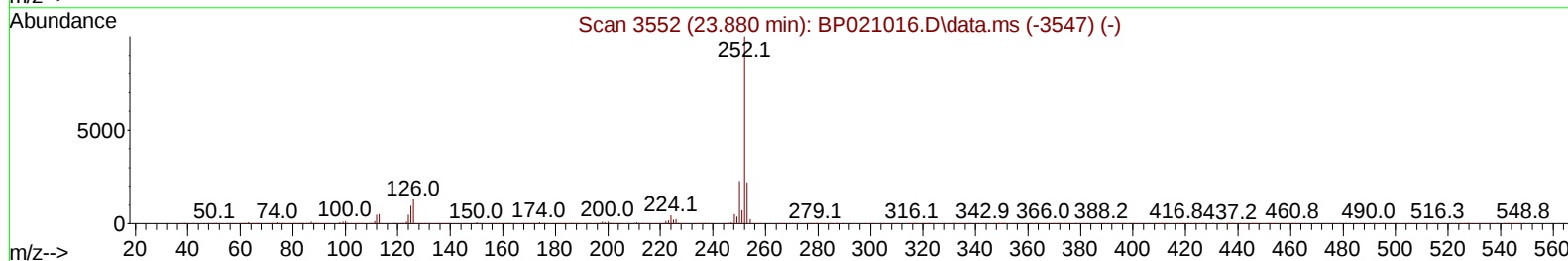
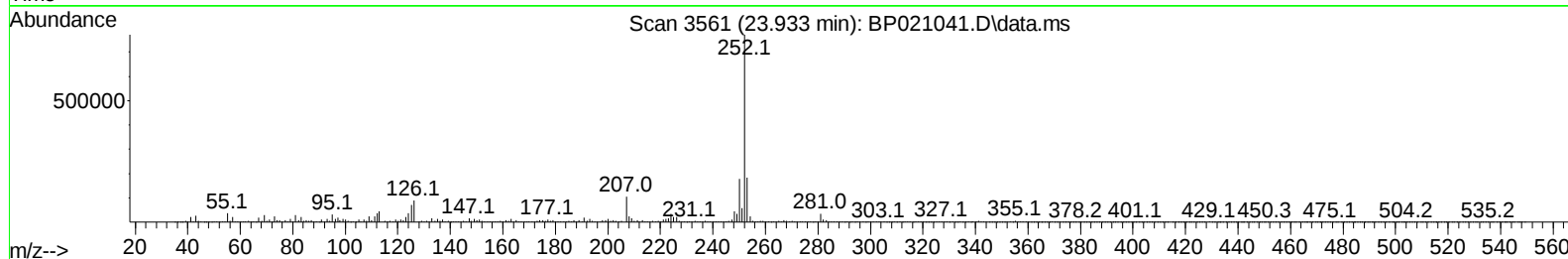
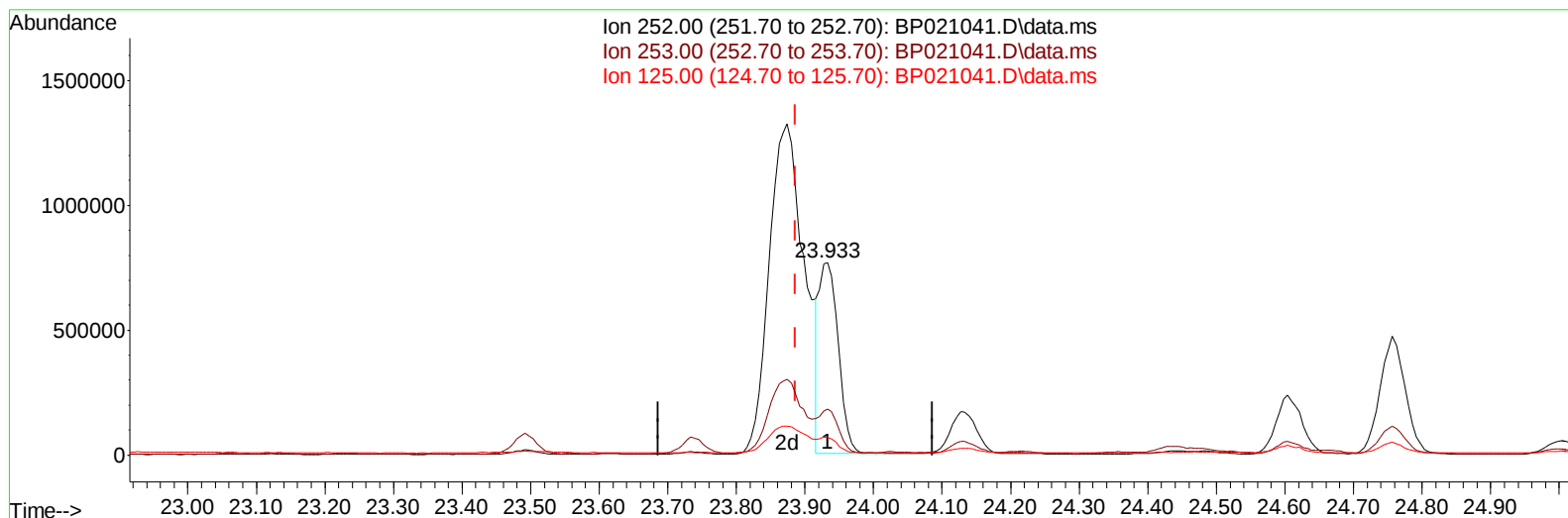
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071724\
Data File : BP021041.D
Acq On : 18 Jul 2024 08:38
Operator : MA/JU
Sample : P3215-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4C00

Manual IntegrationsAPPROVED

Quant Time: Jul 18 09:03:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 18 06:57:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



TIC: BP021041.D\data.ms

(91) Benzo(k)fluoranthene

23.933min (+ 0.047) 18.21 ng/u1

response 1482407

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.80	23.78
125.00	9.20	9.16
0.00	0.00	0.00

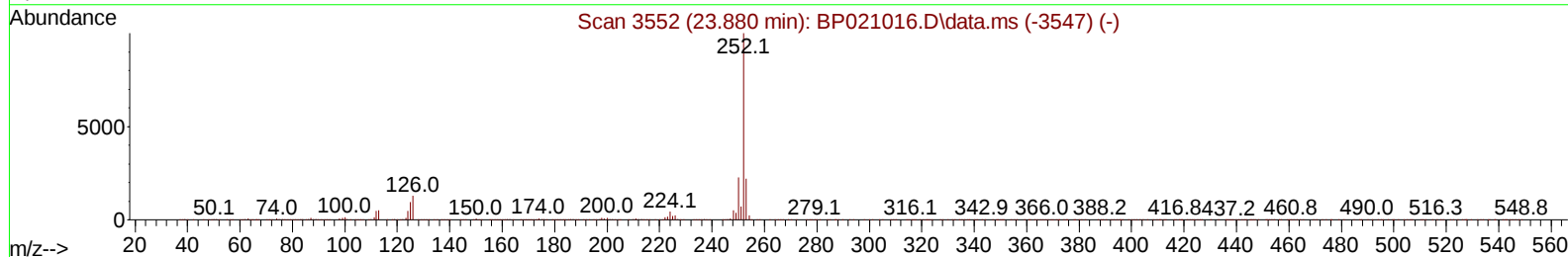
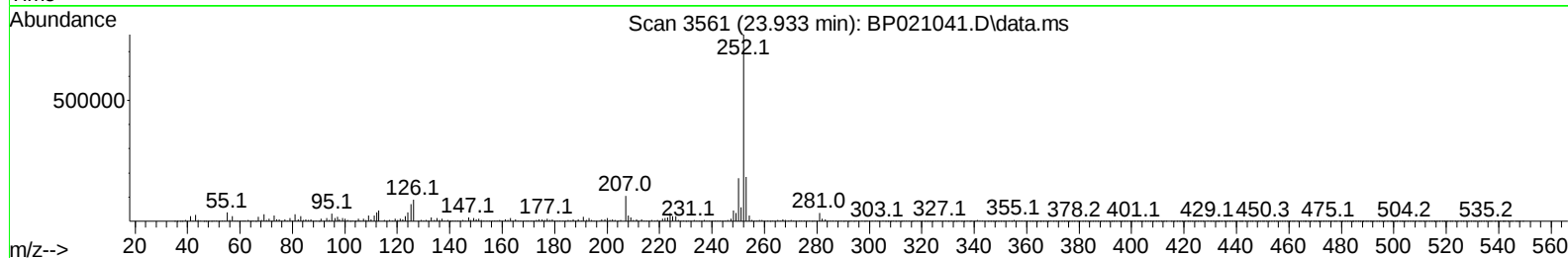
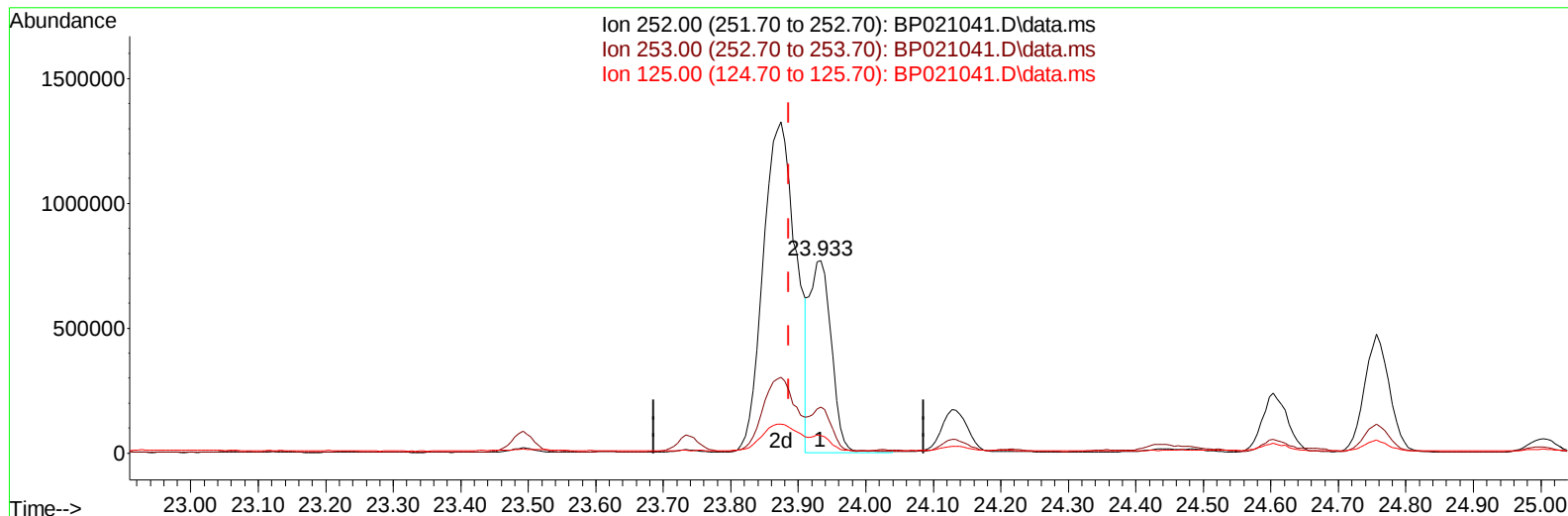
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071724\
Data File : BP021041.D
Acq On : 18 Jul 2024 08:38
Operator : MA/JU
Sample : P3215-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4C00

Manual IntegrationsAPPROVED

Quant Time: Jul 18 09:03:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 18 06:57:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



TIC: BP021041.D\data.ms

(91) Benzo(k)fluoranthene

23.933min (+ 0.047) 21.30 ng/ul m

response 1734636

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.80	23.78
125.00	9.20	9.16
0.00	0.00	0.00

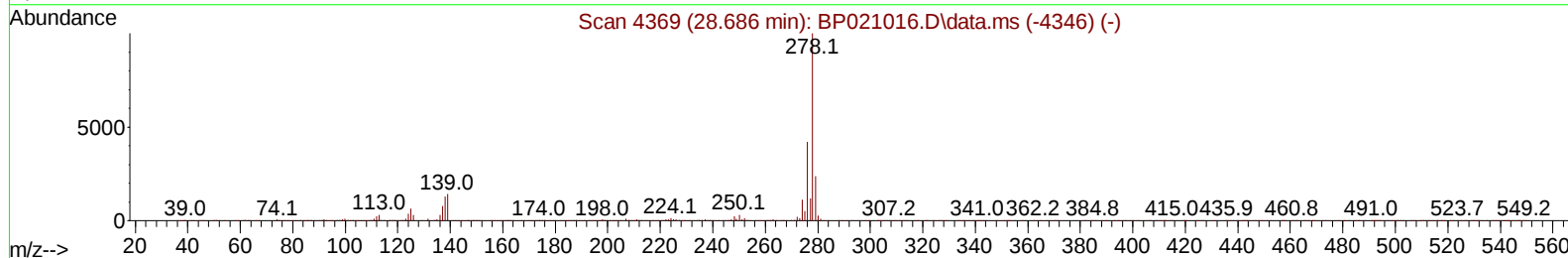
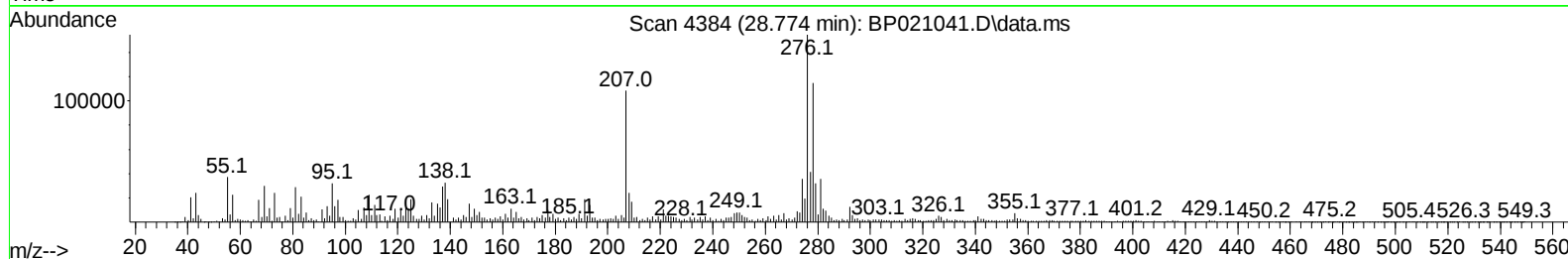
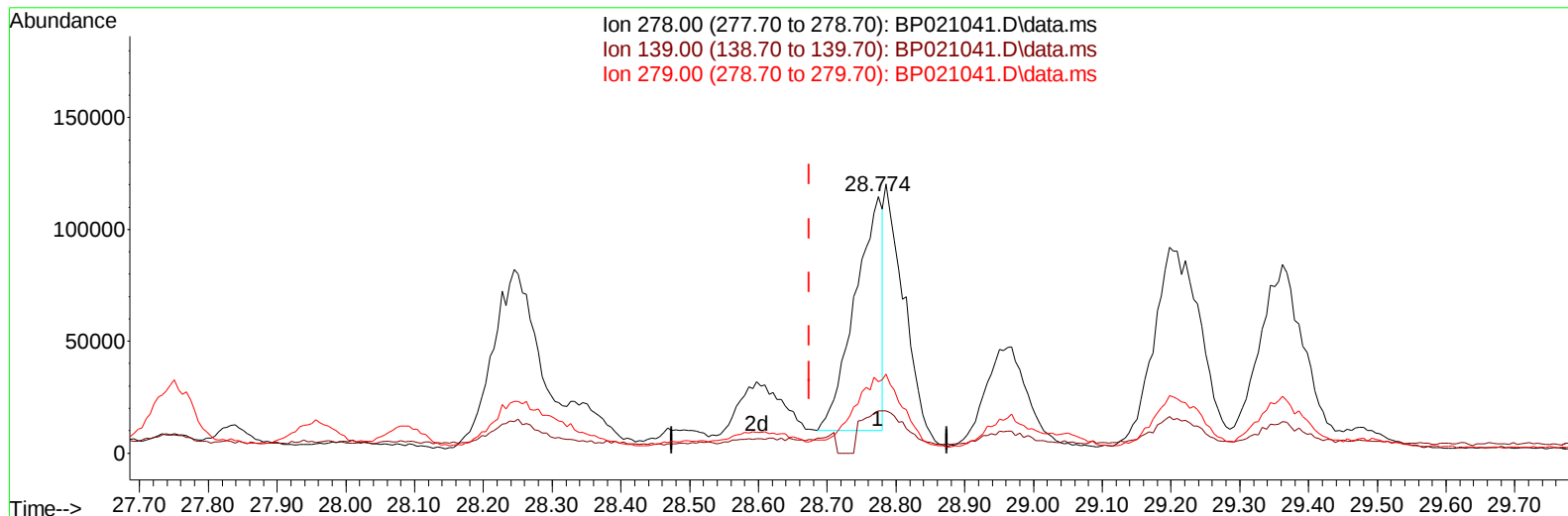
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071724\
Data File : BP021041.D
Acq On : 18 Jul 2024 08:38
Operator : MA/JU
Sample : P3215-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4C00

Manual IntegrationsAPPROVED

Quant Time: Jul 18 09:03:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 18 06:57:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



TIC: BP021041.D\data.ms

(95) Dibenzo(a,h)anthracene

28.774min (+ 0.100) 3.57 ng/u1

response 294067

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.60	16.57#
279.00	24.20	27.79
0.00	0.00	0.00

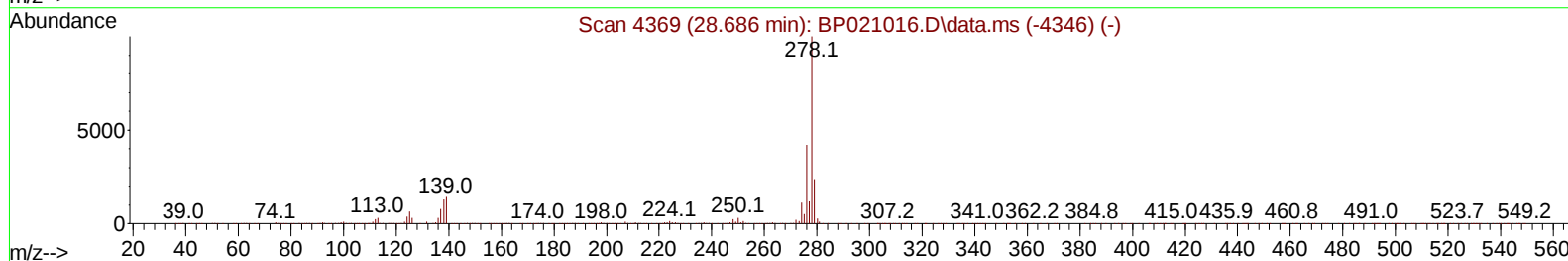
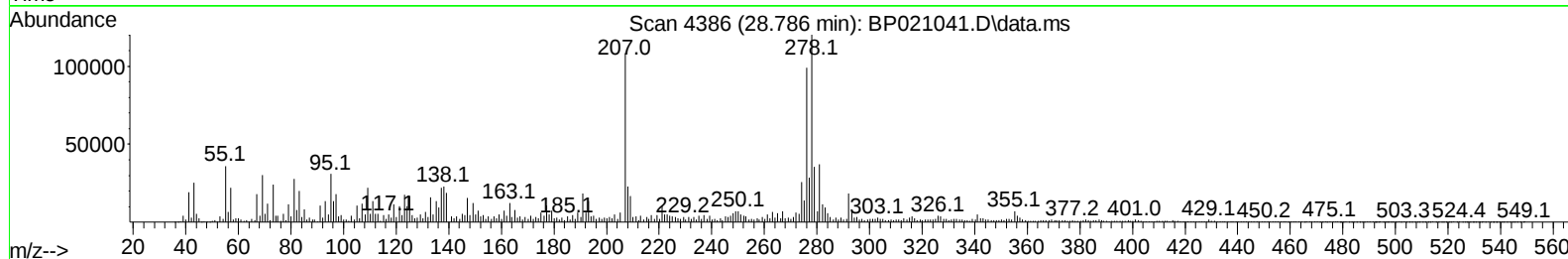
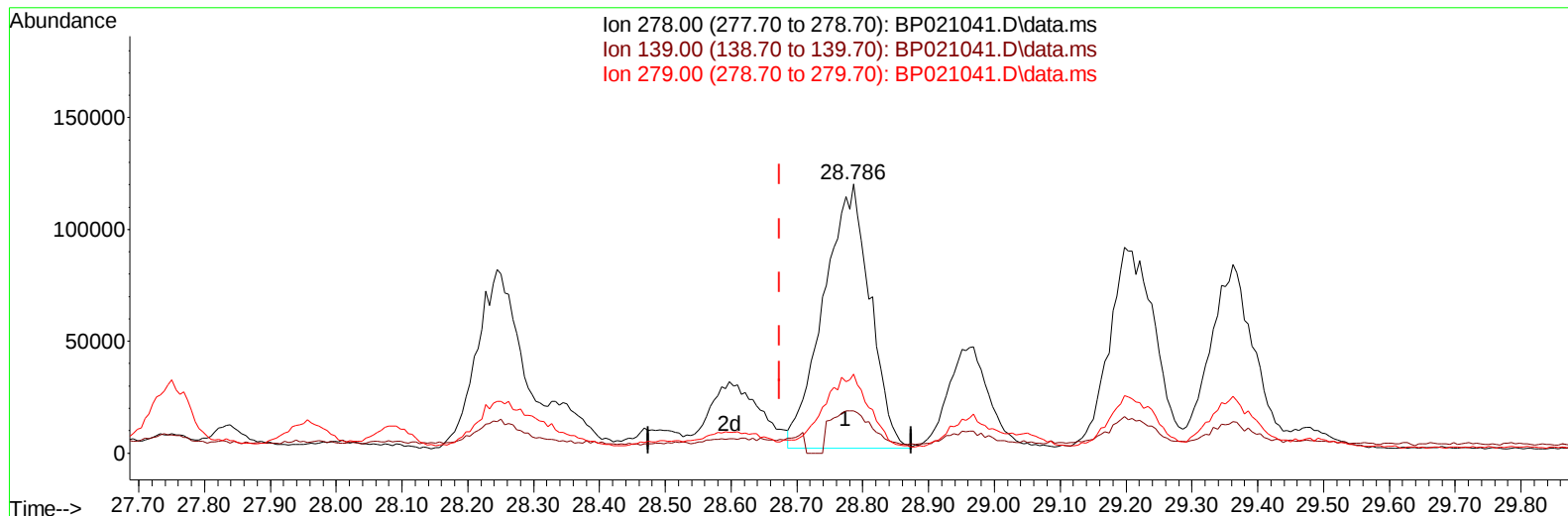
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071724\
Data File : BP021041.D
Acq On : 18 Jul 2024 08:38
Operator : MA/JU
Sample : P3215-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4C00

Manual IntegrationsAPPROVED

Quant Time: Jul 18 09:03:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 18 06:57:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



TIC: BP021041.D\data.ms

(95) Dibenzo(a,h)anthracene

28.786min (+ 0.112) 7.04 ng/ul m

response 579078

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.60	15.60
279.00	24.20	29.43#
0.00	0.00	0.00

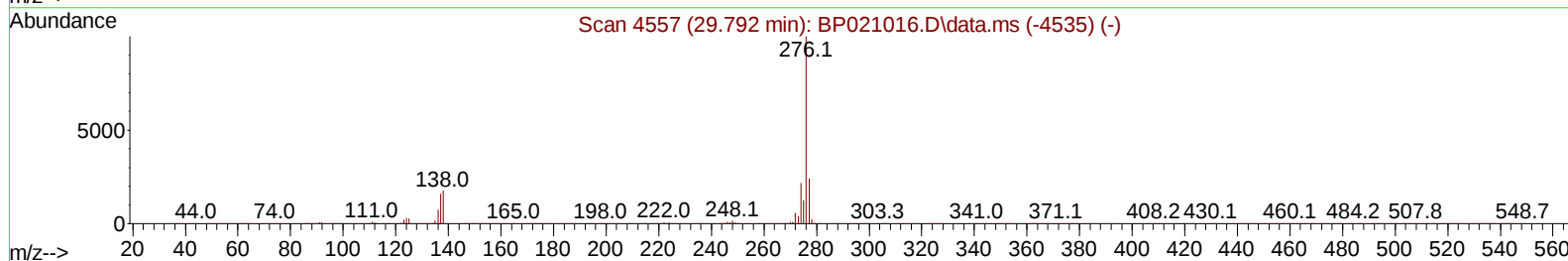
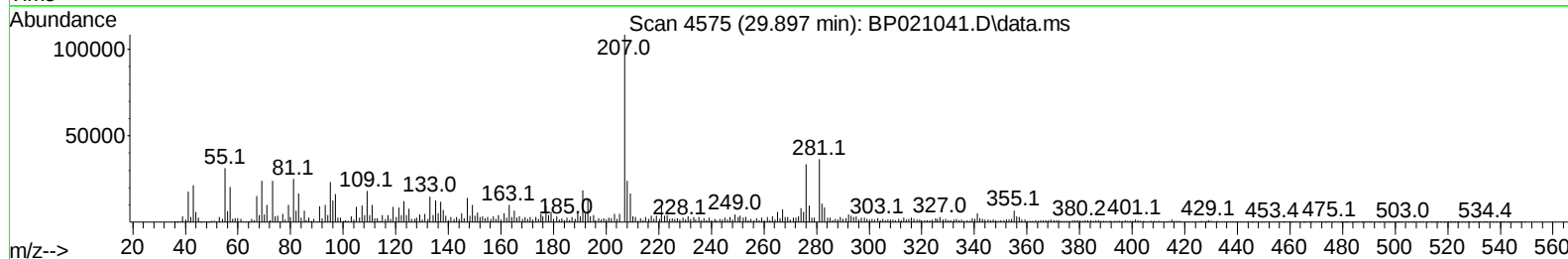
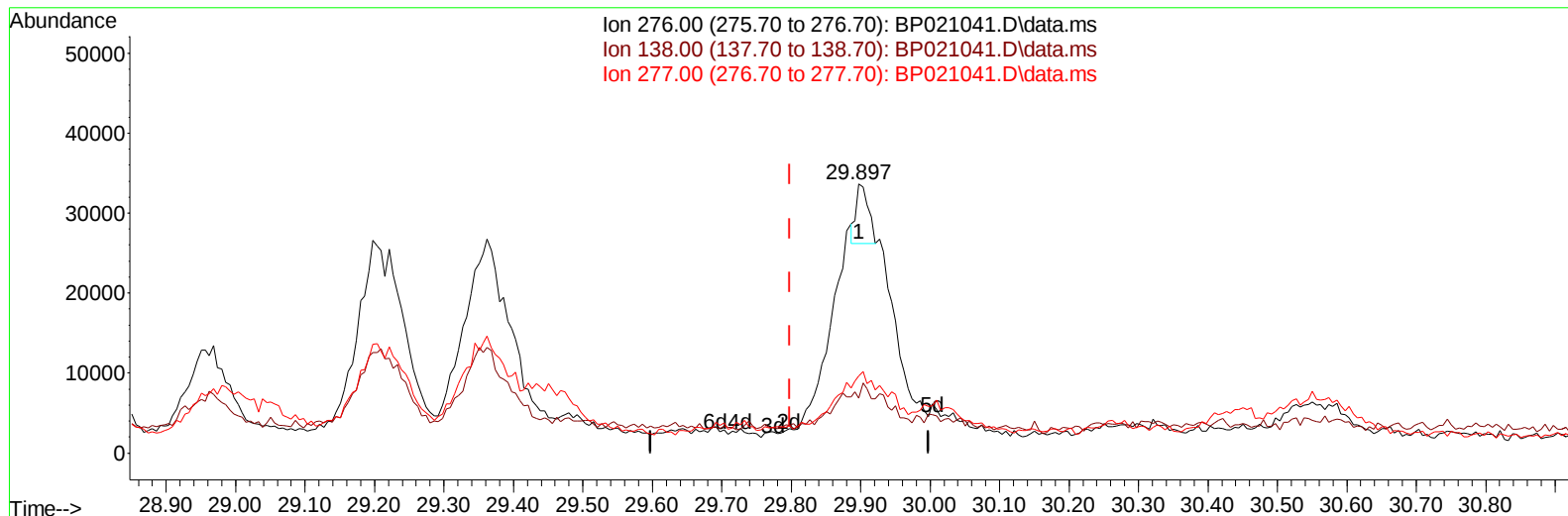
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071724\
Data File : BP021041.D
Acq On : 18 Jul 2024 08:38
Operator : MA/JU
Sample : P3215-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4C00

Manual IntegrationsAPPROVED

Quant Time: Jul 18 09:03:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 18 06:57:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



TIC: BP021041.D\data.ms

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

29.897min (+ 0.100) 0.11 ng/u1

response 8924

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.10	20.51
277.00	22.70	28.55#
0.00	0.00	0.00

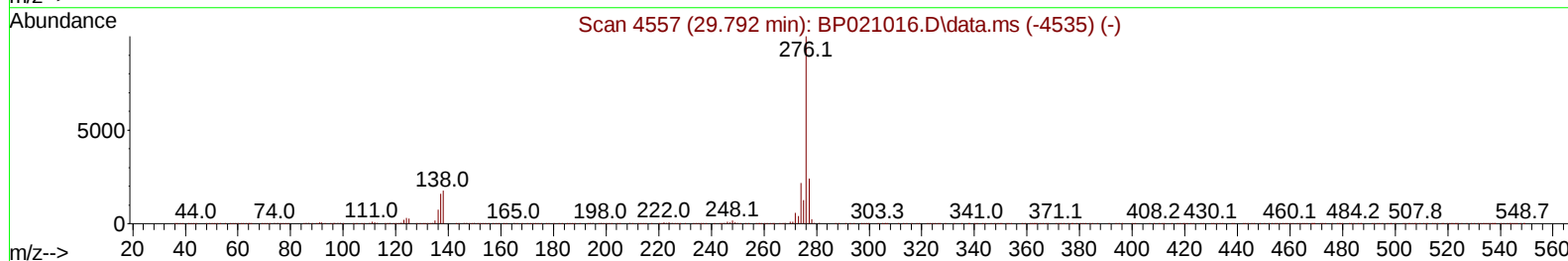
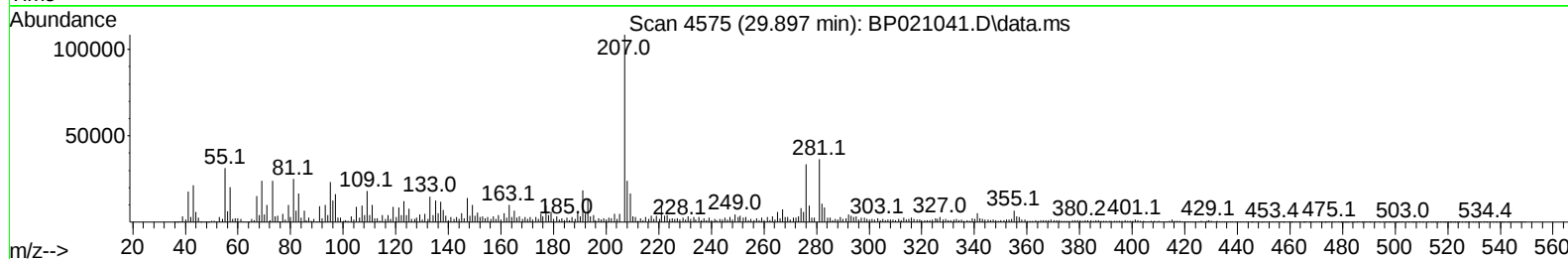
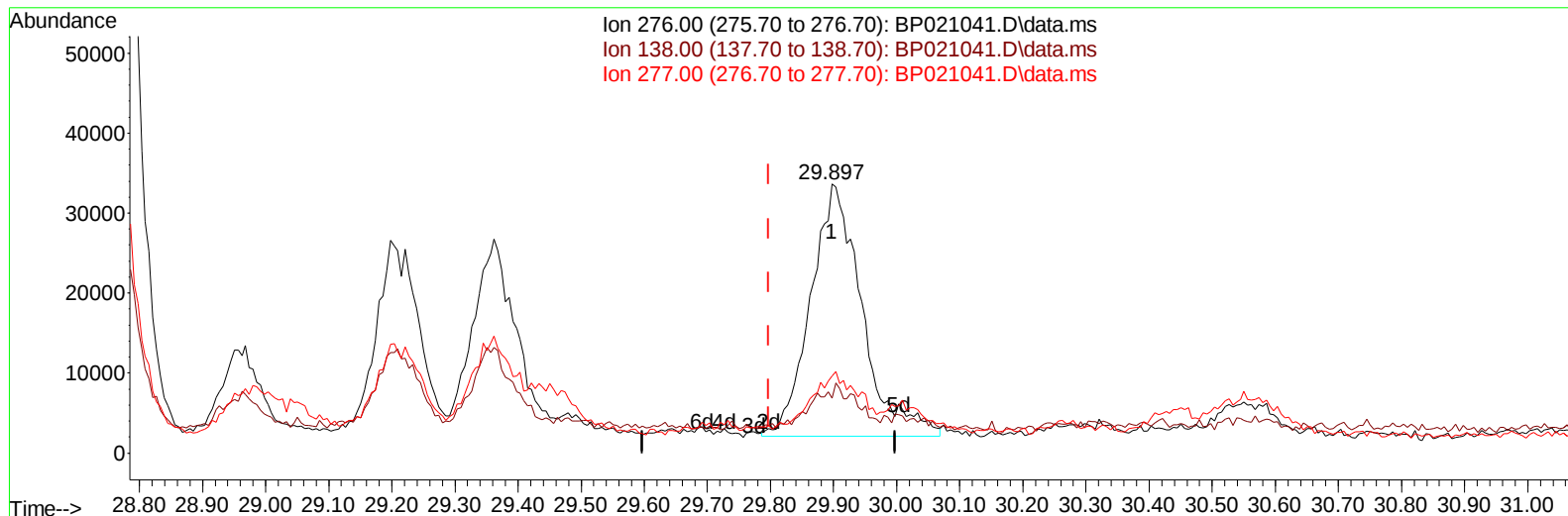
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071724\
Data File : BP021041.D
Acq On : 18 Jul 2024 08:38
Operator : MA/JU
Sample : P3215-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4C00

Manual IntegrationsAPPROVED

Quant Time: Jul 18 09:03:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 18 06:57:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



TIC: BP021041.D\data.ms

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

29.897min (+ 0.100) 2.21 ng/ul m

response 178486

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.10	20.51
277.00	22.70	28.55#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071724\
 Data File : BP021041.D
 Acq On : 18 Jul 2024 08:38
 Operator : MA/JU
 Sample : P3215-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4C00

Manual IntegrationsAPPROVED

Quant Time: Jul 18 09:06:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 18 06:57:29 2024
 Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/18/2024
 Supervised By :mohammad ahmed 07/19/2024

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.699	152		219249	20.000	ng/ul	0.01
20) Naphthalene-d8	10.457	136		902178	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.316	164		603714	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.128	188		1287576	20.000	ng/ul	0.00
79) Chrysene-d12	21.598	240		1109008	20.000	ng/ul	0.04
88) Perylene-d12	24.927	264		1344448	20.000	ng/ul	0.05
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.240	96		14438	2.997	ng/uL	0.00
4) Pyridine-d5	3.675	84		23438	1.680	ng/ul	0.02
7) Phenol-d5	6.922	99		320457	17.928	ng/ul	0.03
9) Bis-(2-Chloroethyl)eth...	7.046	67		219935	20.303	ng/ul	0.01
11) 2-Chlorophenol-d4	7.252	132		288709	19.604	ng/ul	0.02
15) 4-Methylphenol-d8	8.434	113		43648m	2.940	ng/ul	0.04
21) Nitrobenzene-d5	8.852	128		159513	22.764	ng/ul	0.02
24) 2-Nitrophenol-d4	9.557	143		188164	23.461	ng/ul	0.01
28) 2,4-Dichlorophenol-d3	10.116	165		267802	18.466	ng/ul	0.04
31) 4-Chloroaniline-d4	10.622	131		72526m	3.775	ng/ul	0.02
46) Dimethylphthalate-d6	13.728	166		1058126	24.110	ng/ul	0.01
49) Acenaphthylene-d8	14.010	160		1174426	23.832	ng/ul	0.01
54) 4-Nitrophenol-d4	14.616	143		132502m	21.220	ng/ul	0.04
60) Fluorene-d10	15.334	176		905962	25.163	ng/ul	0.01
65) 4,6-Dinitro-2-methylph...	15.492	200		83497	10.718	ng/ul	0.03
73) Anthracene-d10	17.239	188		1344912	23.517	ng/ul	0.01
81) Pyrene-d10	19.622	212		1193274	17.404	ng/ul	0.02
92) Benzo(a)pyrene-d12	24.692	264		761731	11.488	ng/ul	0.05
Target Compounds							
						Qvalue	
30) Naphthalene	10.504	128		375127	7.905	ng/ul	99
36) 2-Methylnaphthalene	12.116	142		86881	2.667	ng/ul	97
37) 1-Methylnaphthalene	12.334	142		49921	1.490	ng/ul	98
52) Acenaphthene	14.387	153		361611	9.765	ng/ul	99
56) Dibenzofuran	14.728	168		433441	8.547	ng/ul	97
61) Fluorene	15.386	166		544515	13.158	ng/ul	98
72) Phenanthrene	17.180	178		7849230	117.513	ng/ul	99
74) Anthracene	17.275	178		1815407	26.660	ng/ul	100
77) Carbazole	17.563	167		870883	15.645	ng/ul	99
80) Fluoranthene	19.286	202		9756828	117.835	ng/ul	98
82) Pyrene	19.657	202		5460058	64.802	ng/ul	98
85) Benzo(a)anthracene	21.580	228		3927755	50.559	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.480	149		74784	1.480	ng/ul#	98
87) Chrysene	21.645	228		3600922	49.883	ng/ul	97
90) Benzo(b)fluoranthene	23.874	252		4464649	54.722	ng/ul	98
91) Benzo(k)fluoranthene	23.933	252		1734636m	21.304	ng/ul	
93) Benzo(a)pyrene	24.757	252		1211725	15.717	ng/ul	95
94) Indeno(1,2,3-cd)pyrene	28.739	276		1296471	13.050	ng/ul	96
95) Dibenzo(a,h)anthracene	28.786	278		579078m	7.039	ng/ul	
96) Benzo(g,h,i)perylene	29.897	276		178486m	2.206	ng/ul	

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

Instrument :

BNA_P

ClientSampleId :

A4C00

Manual IntegrationsAPPROVED

Reviewed By :Jagrut Upadhyay 07/18/2024

Supervised By :mohammad ahmed 07/19/2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071724\
Data File : BP021041.D
Acq On : 18 Jul 2024 08:38
Operator : MA/JU
Sample : P3215-03
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
A4C00

Manual IntegrationsAPPROVED

Quant Time: Jul 18 09:06:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 18 06:57:29 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 07/18/2024
Supervised By :mohammad ahmed 07/19/2024

