

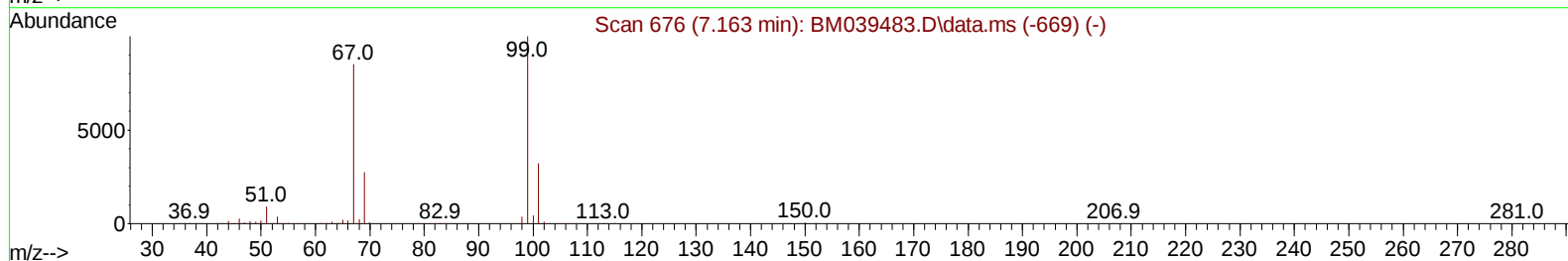
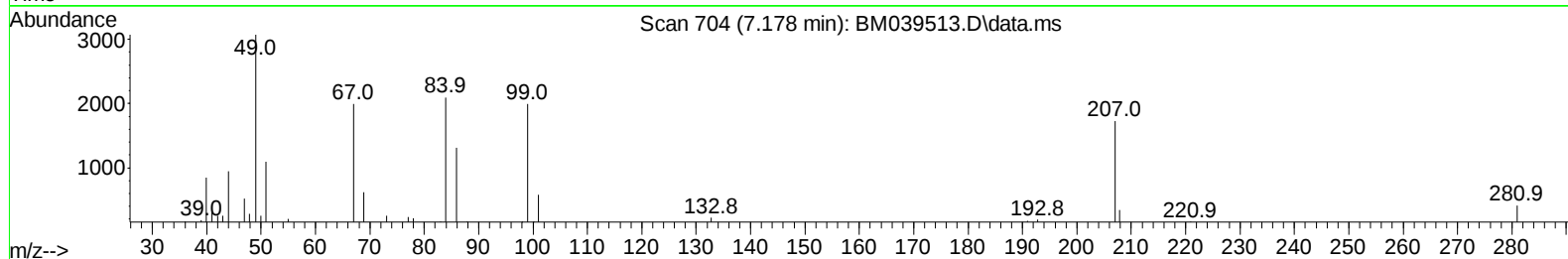
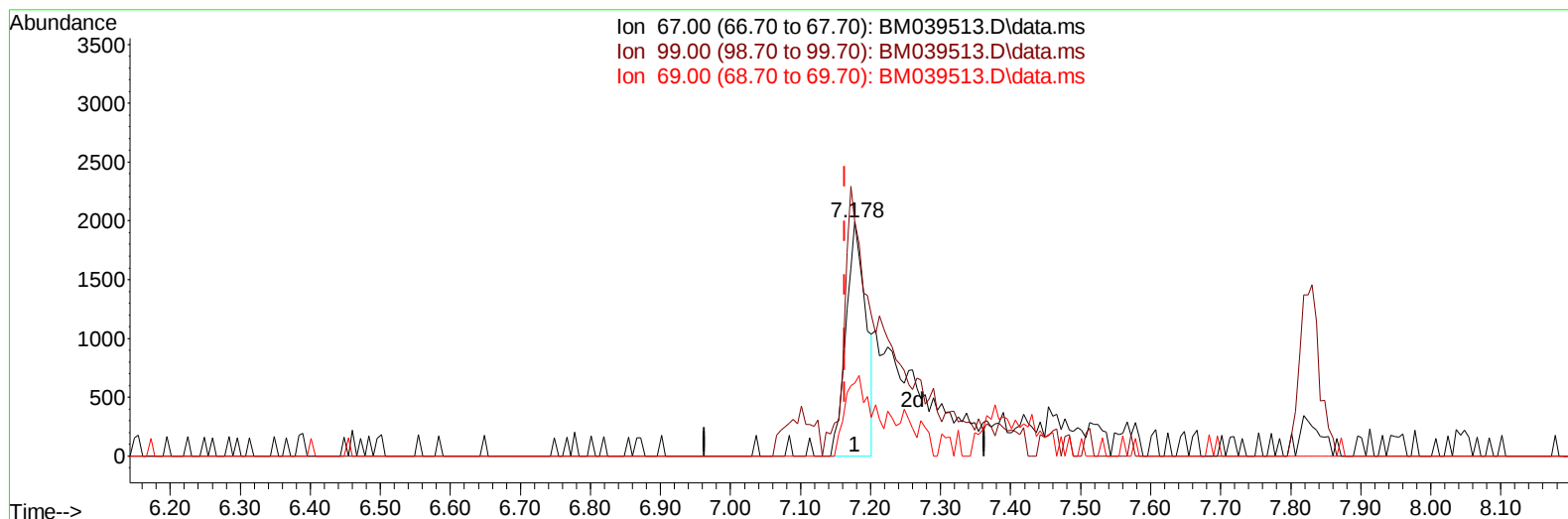
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041823\
 Data File : BM039513.D
 Acq On : 20 Apr 2023 02:29
 Operator : CG/JU
 Sample : 02296-14DL2 30X
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCBL8DL2

Manual IntegrationsAPPROVED

Quant Time: Apr 20 05:31:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM041823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 19 08:18:41 2023
 Response via : Initial Calibration

Reviewed By :Christian Giraldo 04/20/2023
 Supervised By :Jagrut Upadhyay 04/20/2023



TIC: BM039513.D\data.ms

(9) Bis-(2-Chloroethyl)ether-d8 (S)

7.178min (+ 0.015) 0.32 ng/u1

response 3957

Ion	Exp%	Act%
67.00	100.00	100.00
99.00	117.70	100.40
69.00	30.90	31.11
0.00	0.00	0.00

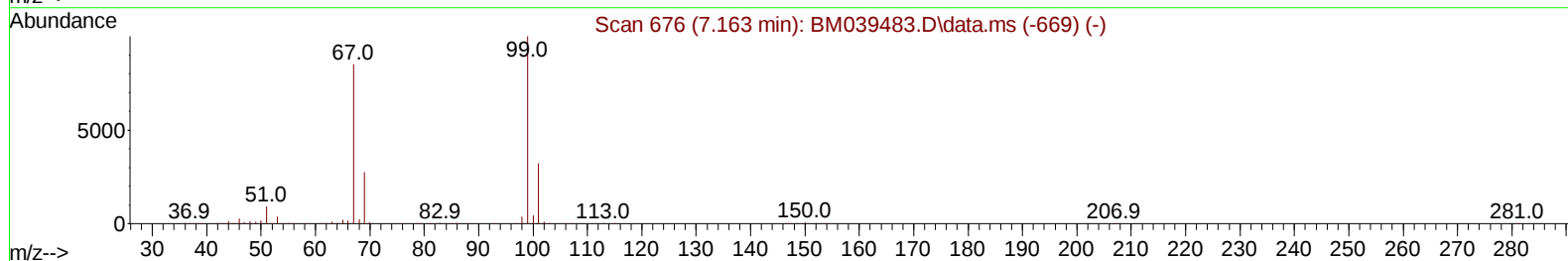
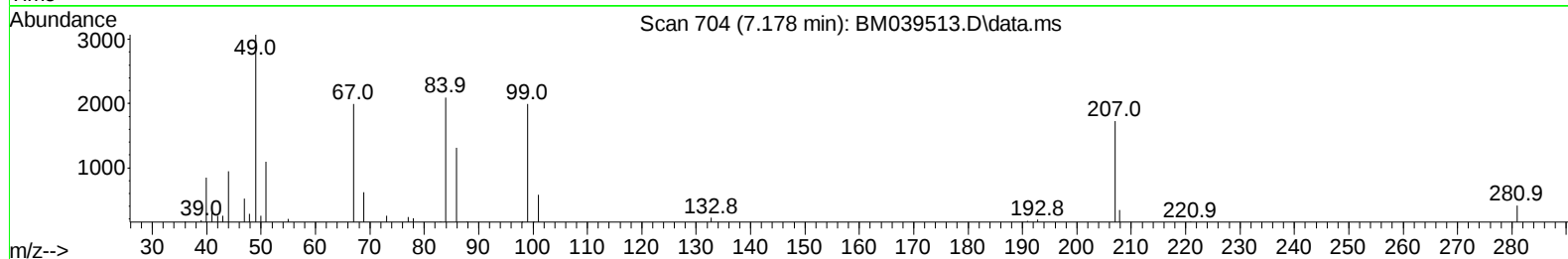
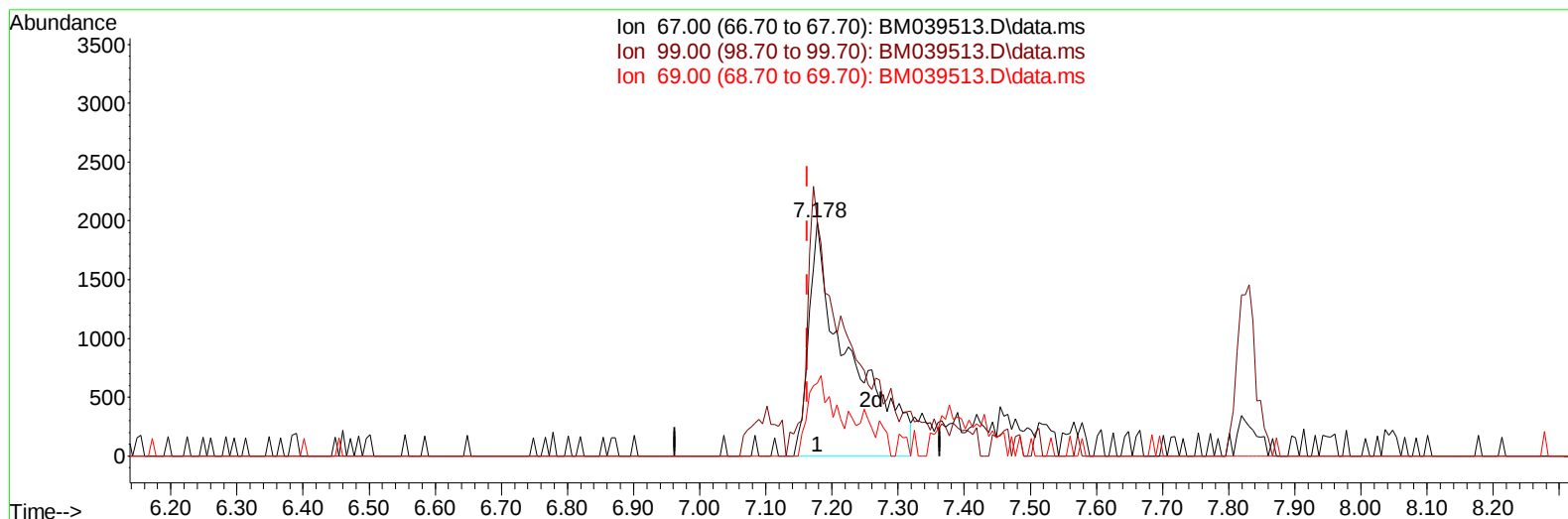
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041823\
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Instrument :
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Manual IntegrationsAPPROVED

Quant Time: Apr 20 05:31:56 2023
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Reviewed By :Christian Giraldo 04/20/2023
 Supervised By :Jagrut Upadhyay 04/20/2023



TIC: BM039513.D\data.ms

(9) Bis-(2-Chloroethyl)ether-d8 (S)

7.178min (+ 0.015) 0.68 ng/ul m

response 8340

Ion	Exp%	Act%
67.00	100.00	100.00
99.00	117.70	100.40
69.00	30.90	31.11
0.00	0.00	0.00

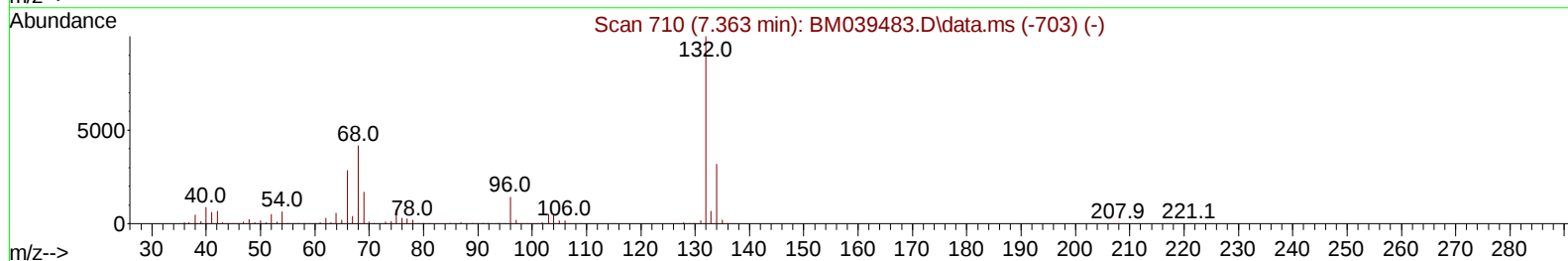
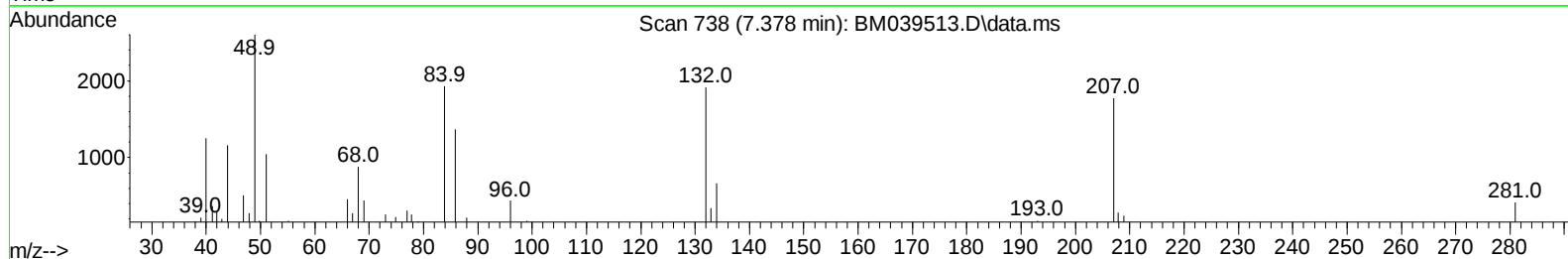
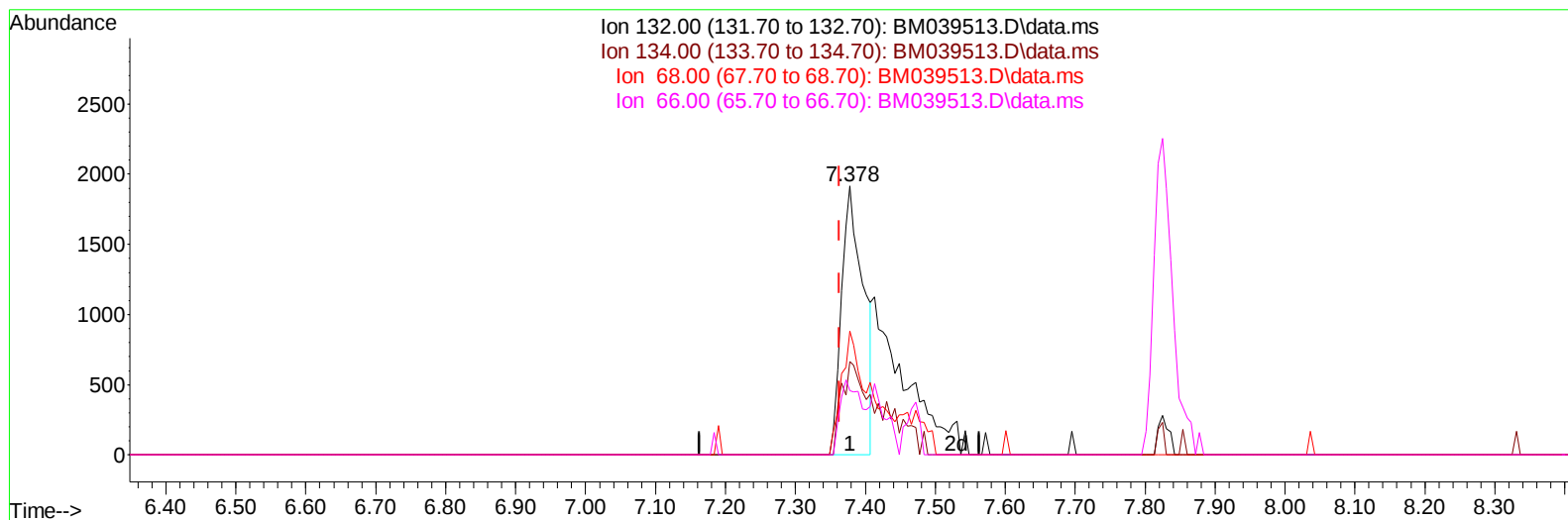
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041823\
Data File : BM039513.D
Acq On : 20 Apr 2023 02:29
Operator : CG/JU
Sample : 02296-14DL2 30X
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCBL8DL2

Manual IntegrationsAPPROVED

Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/20/2023

Quant Time: Apr 20 05:46:17 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM041823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 19 08:18:41 2023
Response via : Initial Calibration



TIC: BM039513.D\data.ms

(11) 2-Chlorophenol-d4 (S)

7.378min (+ 0.015) 0.29 ng/u1

response 4210

Ion	Exp%	Act%
132.00	100.00	100.00
134.00	33.00	34.67
68.00	42.40	46.01
66.00	29.00	23.86

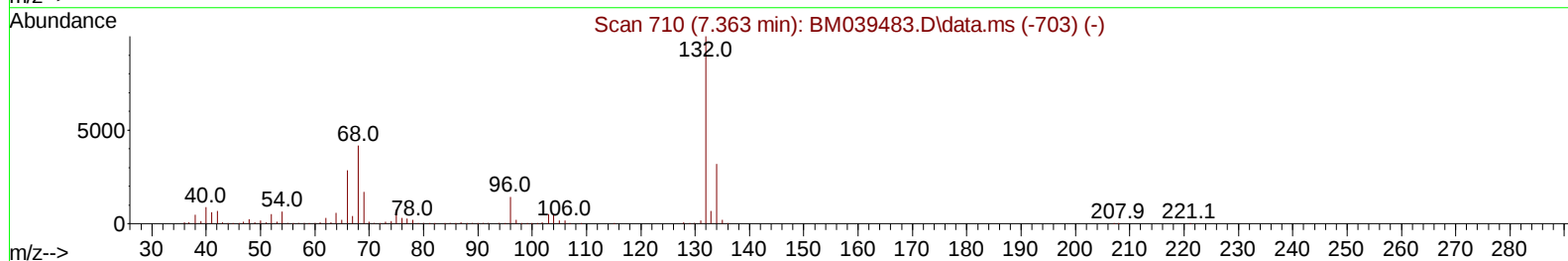
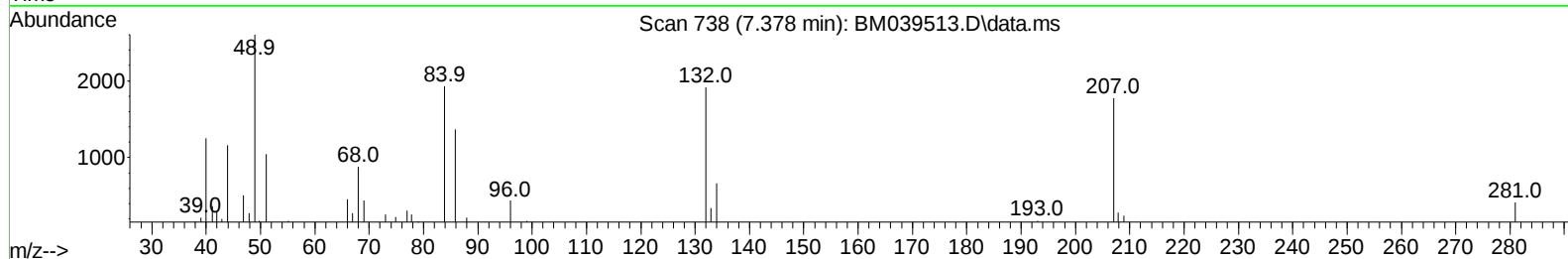
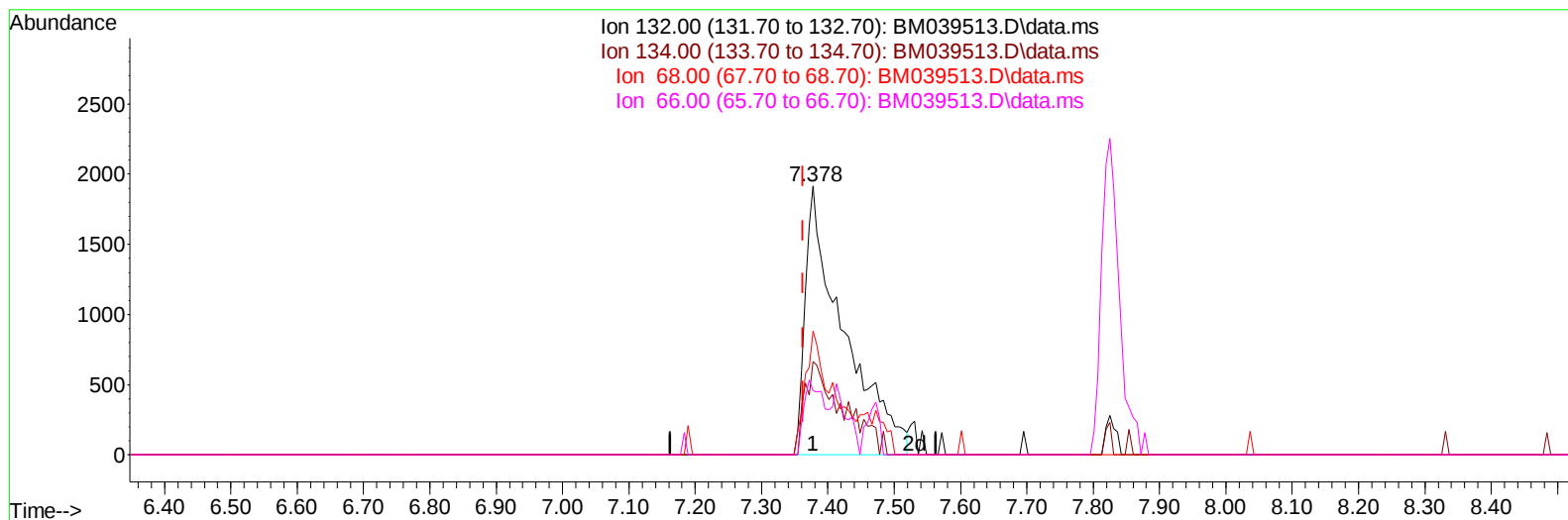
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041823\
 Data File : BM039513.D
 Acq On : 20 Apr 2023 02:29
 Operator : CG/JU
 Sample : 02296-14DL2 30X
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCBL8DL2

Manual IntegrationsAPPROVED

Quant Time: Apr 20 05:46:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM041823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 19 08:18:41 2023
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Reviewed By :Christian Giraldo 04/20/2023
 Supervised By :Jagrut Upadhyay 04/20/2023



TIC: BM039513.D\data.ms

(11) 2-Chlorophenol-d4 (S)

7.378min (+ 0.015) 0.52 ng/ul m

response 7642

Ion	Exp%	Act%
132.00	100.00	100.00
134.00	33.00	34.67
68.00	42.40	46.01
66.00	29.00	23.86

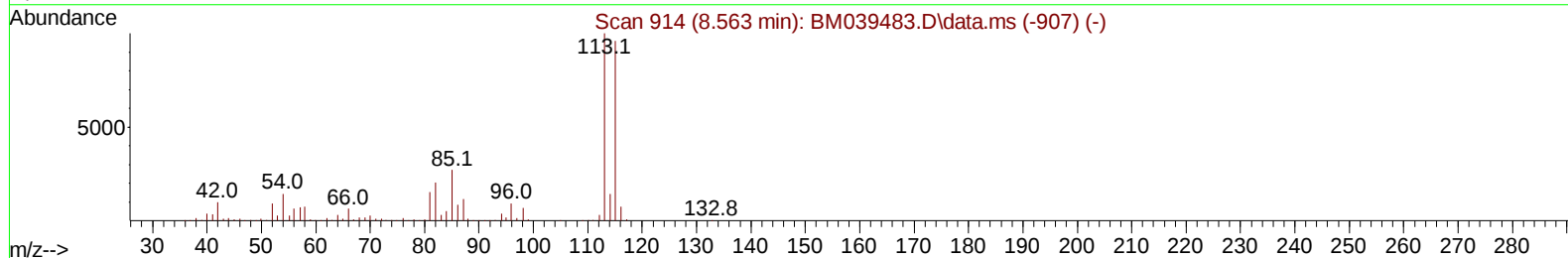
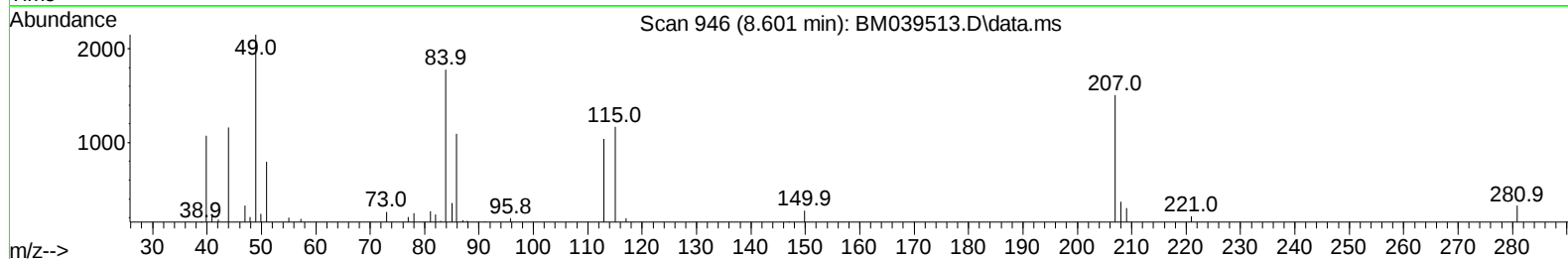
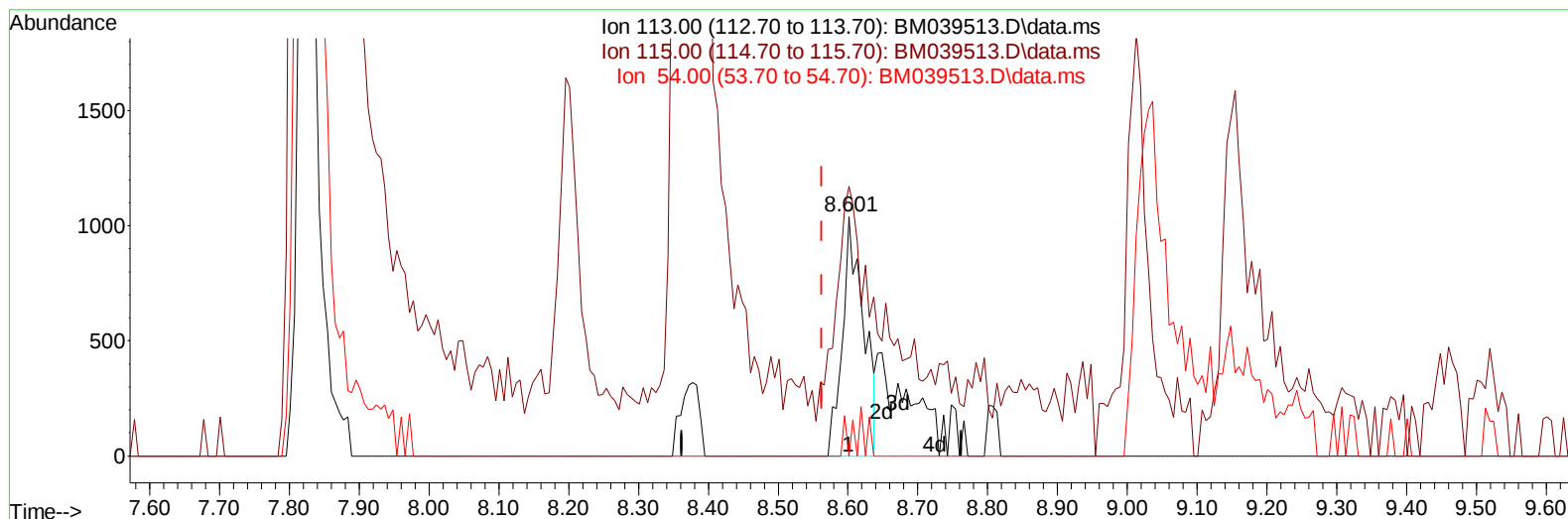
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041823\
 Data File : BM039513.D
 Acq On : 20 Apr 2023 02:29
 Operator : CG/JU
 Sample : 02296-14DL2 30X
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCBL8DL2

Manual IntegrationsAPPROVED

Quant Time: Apr 20 05:46:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM041823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 19 08:18:41 2023
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TIC: BM039513.D\data.ms

(15) 4-Methylphenol-d8 (S)

8.601min (+ 0.038) 0.14 ng/u1

response 2165

Ion	Exp%	Act%
113.00	100.00	100.00
115.00	95.60	112.61
54.00	13.70	0.00#
0.00	0.00	0.00

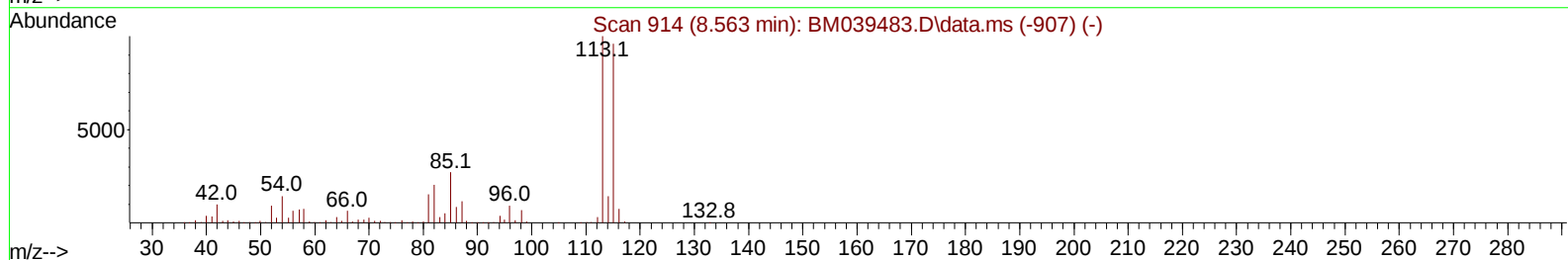
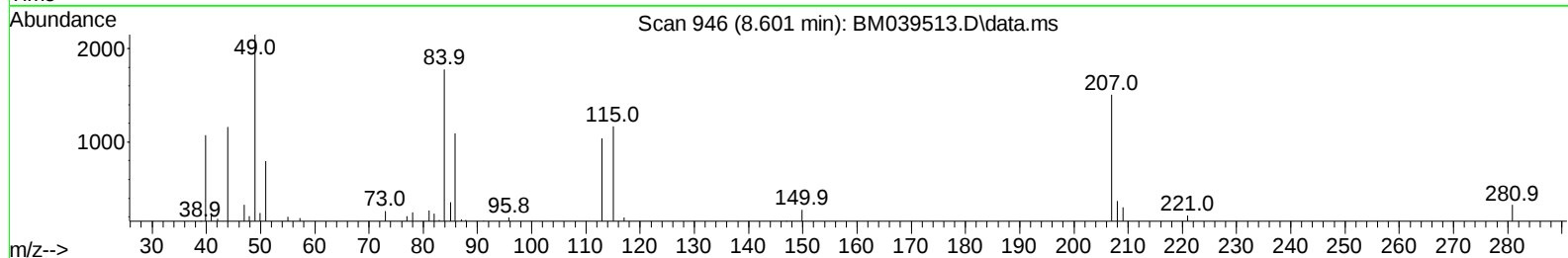
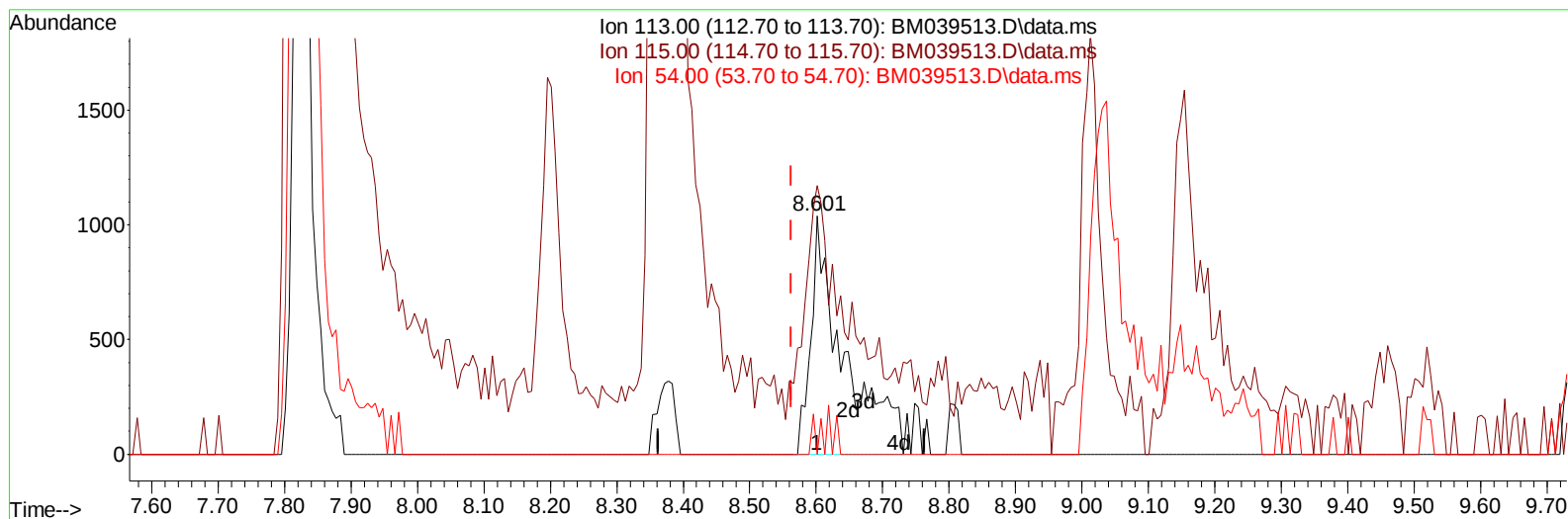
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041823\
Data File : BM039513.D
Acq On : 20 Apr 2023 02:29
Operator : CG/JU
Sample : 02296-14DL2 30X
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCBL8DL2

Manual IntegrationsAPPROVED

Quant Time: Apr 20 05:46:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM041823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 19 08:18:41 2023
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Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/20/2023



TIC: BM039513.D\data.ms

(15) 4-Methylphenol-d8 (S)

8.601min (+ 0.038) 0.24 ng/ul m

response 3577

Ion	Exp%	Act%
113.00	100.00	100.00
115.00	95.60	112.61
54.00	13.70	0.00#
0.00	0.00	0.00

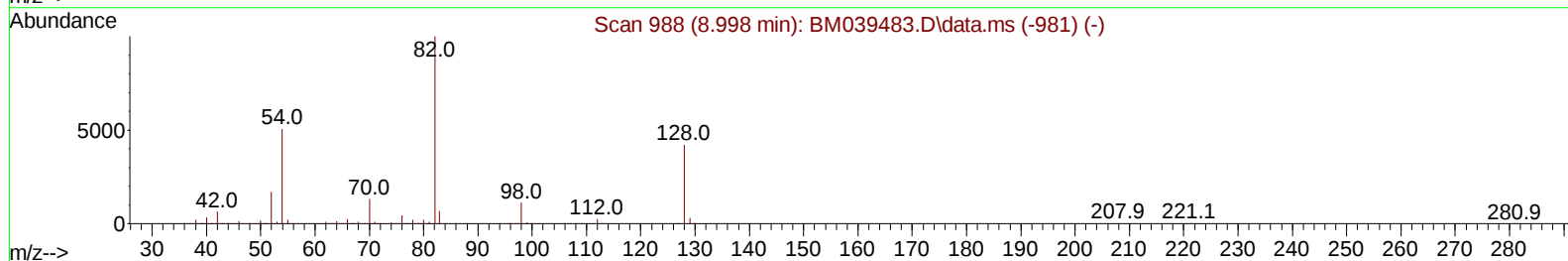
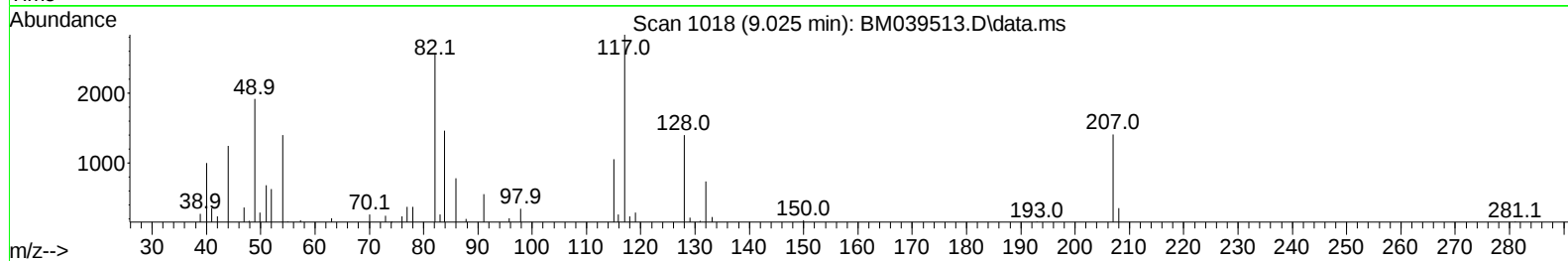
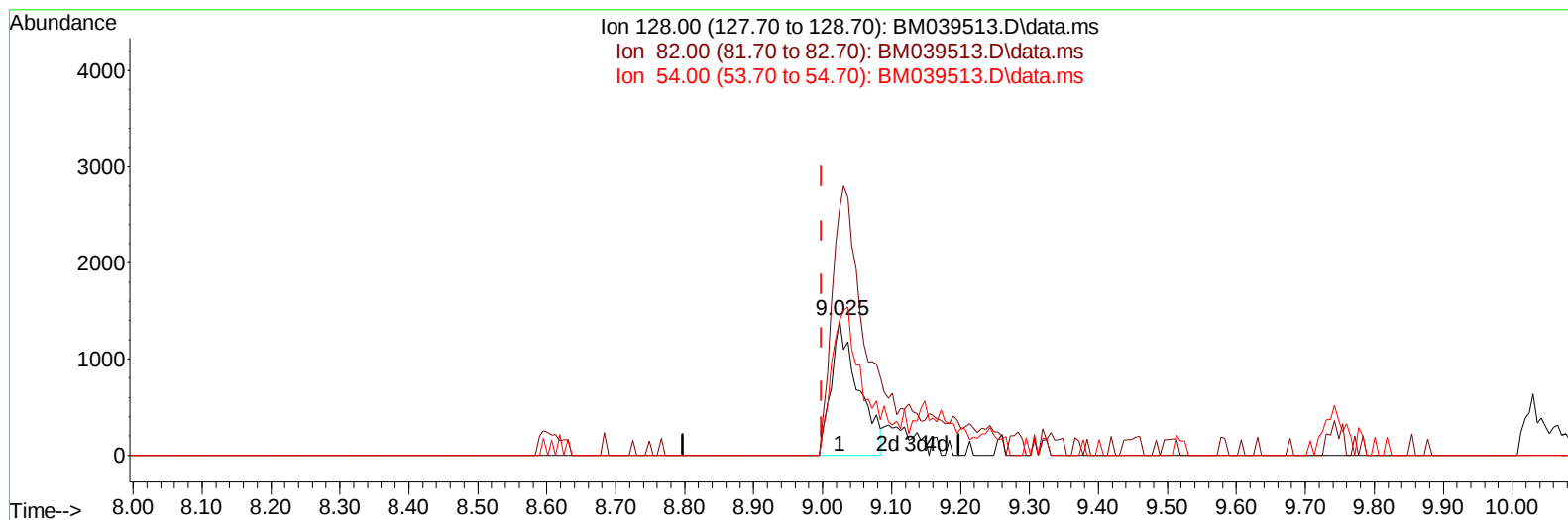
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041823\
 Data File : BM039513.D
 Acq On : 20 Apr 2023 02:29
 Operator : CG/JU
 Sample : 02296-14DL2 30X
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCBL8DL2

Manual IntegrationsAPPROVED

Quant Time: Apr 20 05:47:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM041823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 19 08:18:41 2023
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Reviewed By :Christian Giraldo 04/20/2023
 Supervised By :Jagrut Upadhyay 04/20/2023



TIC: BM039513.D\data.ms

(21) Nitrobenzene-d5 (S)

9.025min (+ 0.026) 0.48 ng/u1

response 3777

Ion	Exp%	Act%
128.00	100.00	100.00
82.00	243.80	183.25#
54.00	122.00	100.07
0.00	0.00	0.00

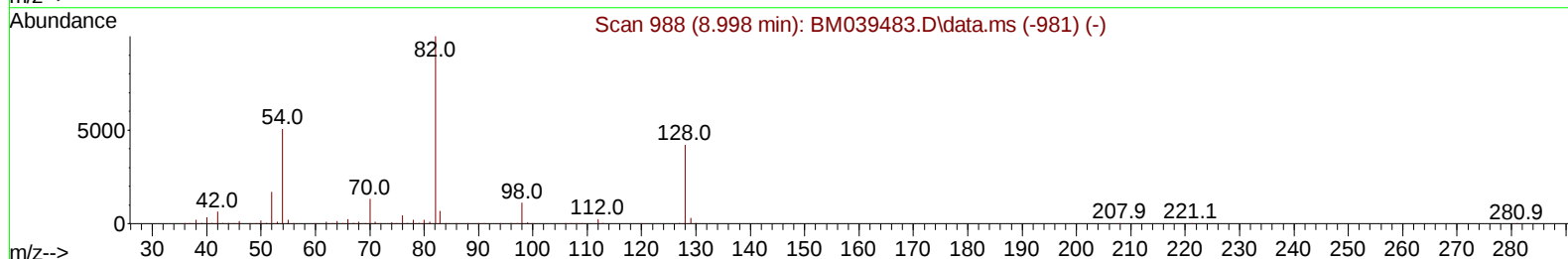
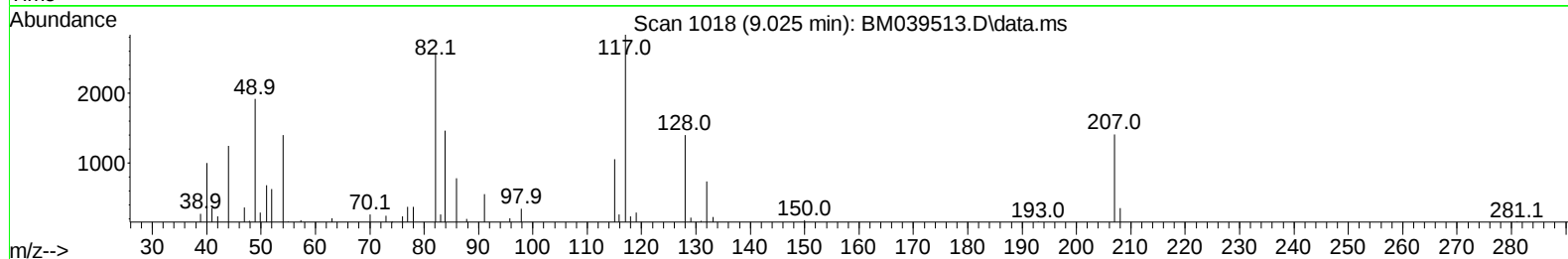
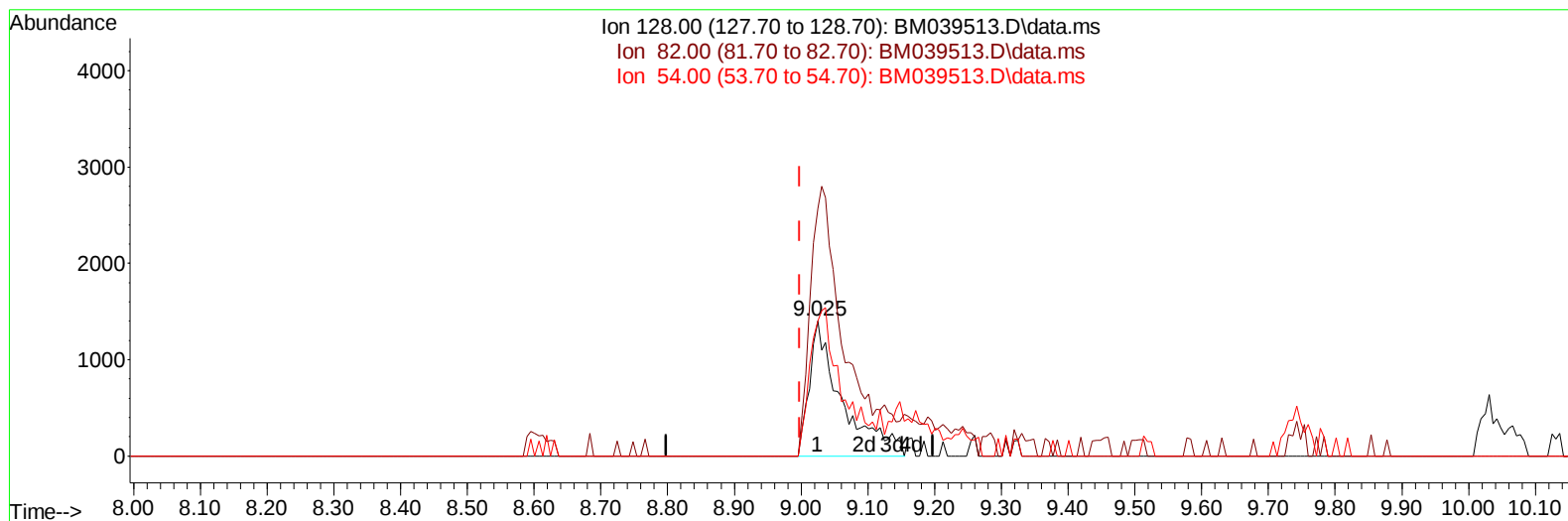
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041823\
 Data File : BM039513.D
 Acq On : 20 Apr 2023 02:29
 Operator : CG/JU
 Sample : 02296-14DL2 30X
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCBL8DL2

Manual IntegrationsAPPROVED

Quant Time: Apr 20 05:47:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM041823.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 19 08:18:41 2023
 Response via : Initial Calibration

Reviewed By :Christian Giraldo 04/20/2023
 Supervised By :Jagrut Upadhyay 04/20/2023



TIC: BM039513.D\data.ms

(21) Nitrobenzene-d5 (S)

9.025min (+ 0.026) 0.60 ng/ul m

response 4708

Ion	Exp%	Act%
128.00	100.00	100.00
82.00	243.80	183.25#
54.00	122.00	100.07
0.00	0.00	0.00

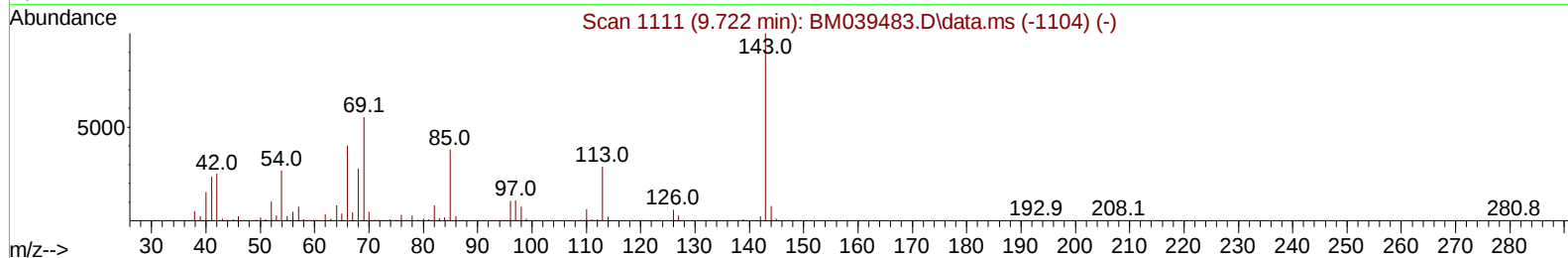
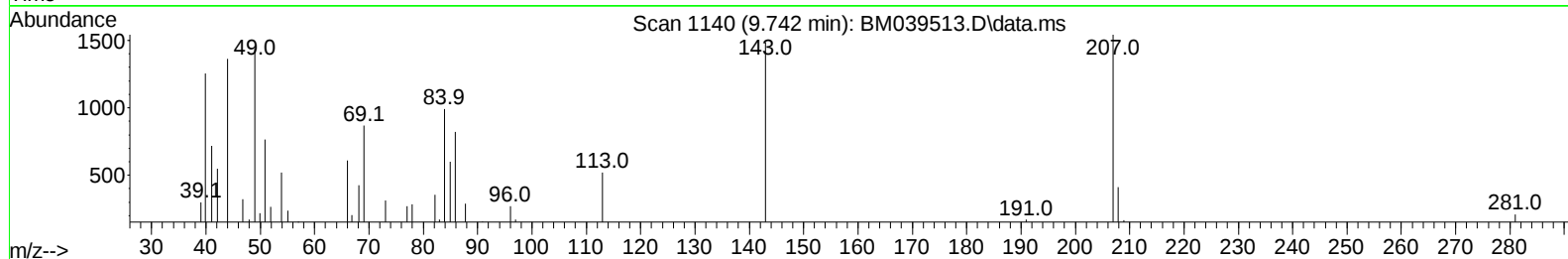
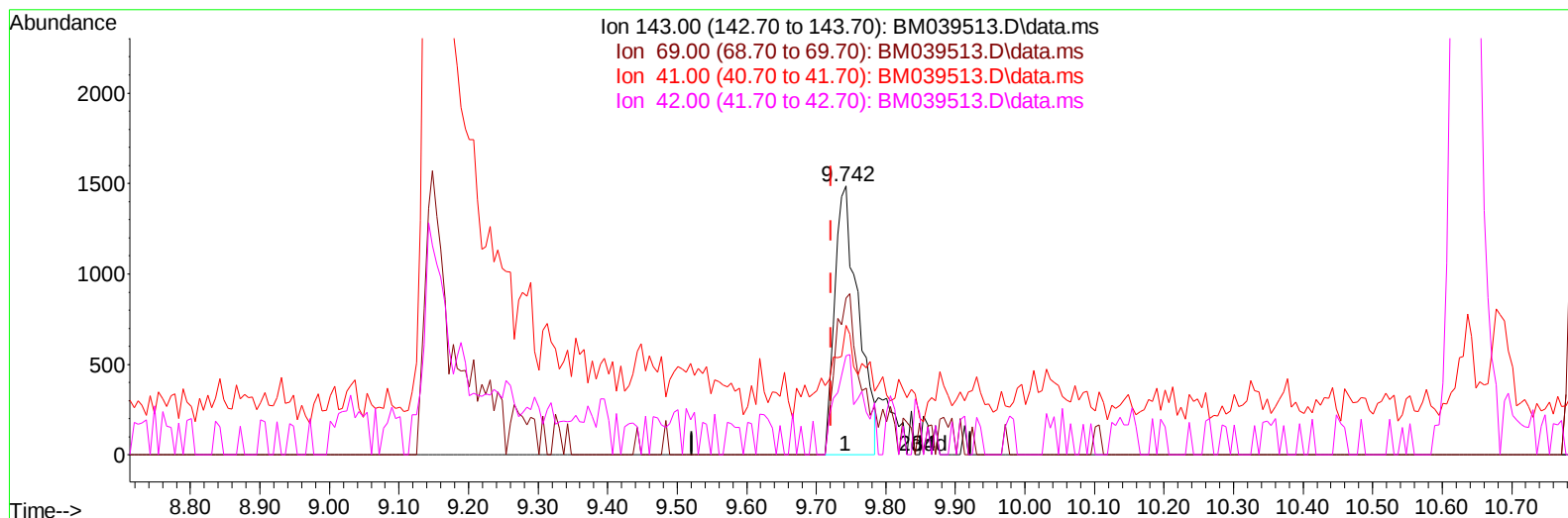
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041823\
Data File : BM039513.D
Acq On : 20 Apr 2023 02:29
Operator : CG/JU
Sample : 02296-14DL2 30X
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCBL8DL2

Manual IntegrationsAPPROVED

Quant Time: Apr 20 05:47:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM041823.MA.M
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TIC: BM039513.D\data.ms

(24) 2-Nitrophenol-d4 (S)

9.742min (+ 0.021) 0.40 ng/u1

response 3510

Ion	Exp%	Act%
143.00	100.00	100.00
69.00	53.40	58.41
41.00	23.00	48.32#
42.00	24.80	36.81#

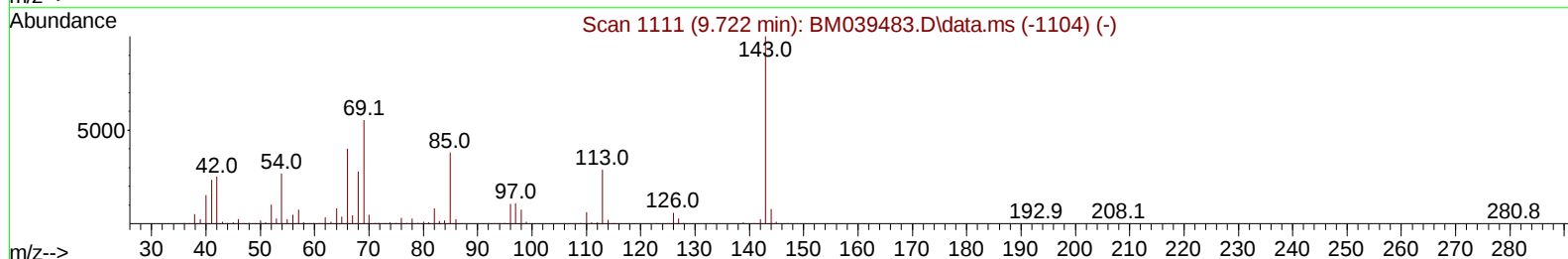
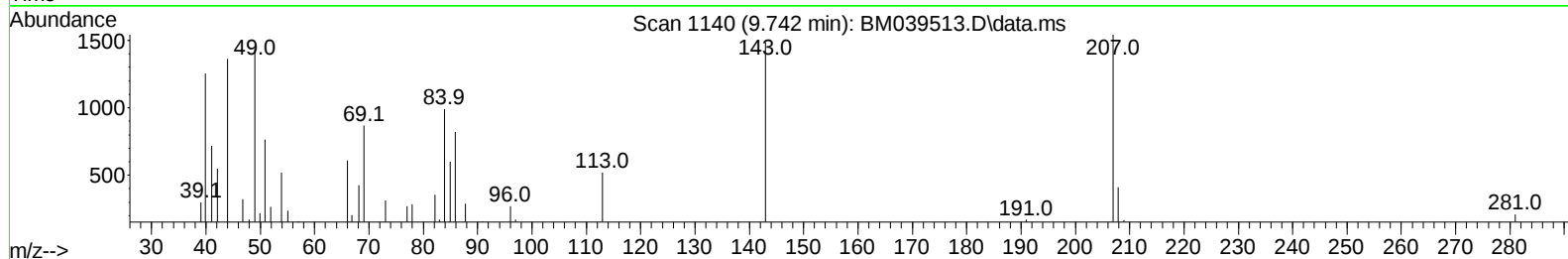
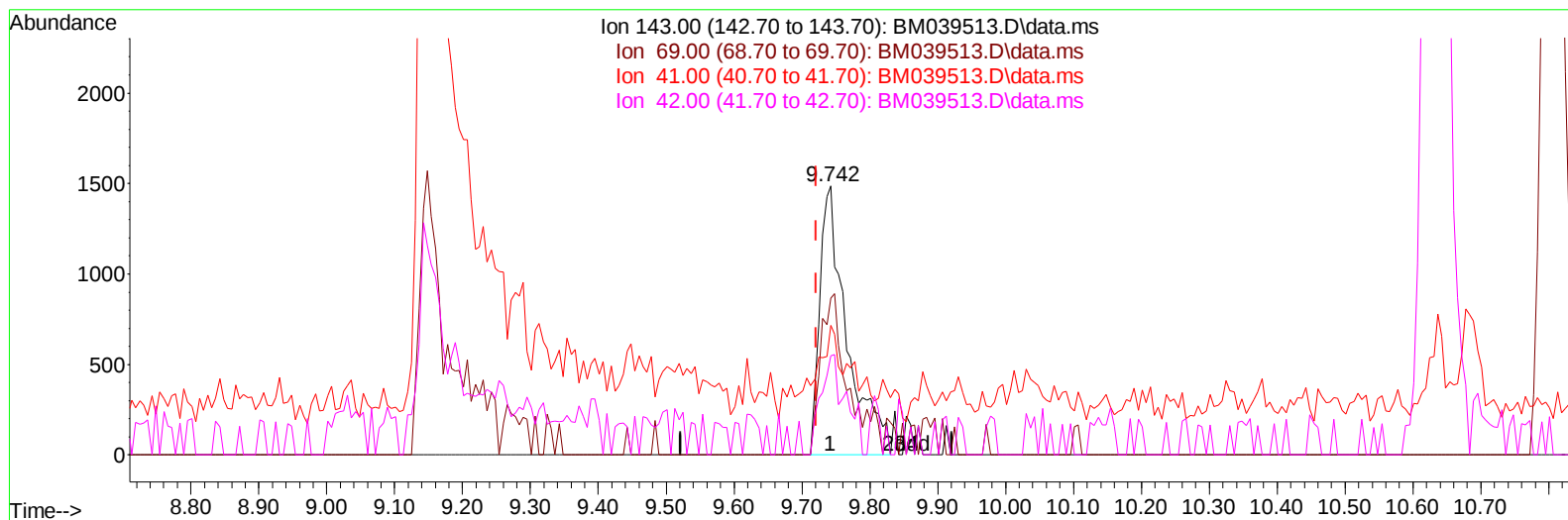
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041823\
 Data File : BM039513.D
 Acq On : 20 Apr 2023 02:29
 Operator : CG/JU
 Sample : 02296-14DL2 30X
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 DCBL8DL2

Manual IntegrationsAPPROVED

Quant Time: Apr 20 05:47:37 2023
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TIC: BM039513.D\data.ms

(24) 2-Nitrophenol-d4 (S)

9.742min (+ 0.021) 0.47 ng/ul m

response 4123

Ion	Exp%	Act%
143.00	100.00	100.00
69.00	53.40	58.41
41.00	23.00	48.32#
42.00	24.80	36.81#

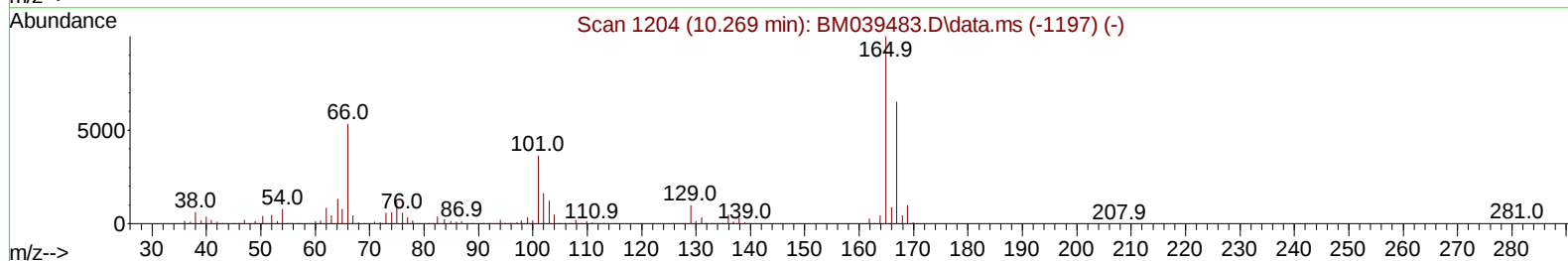
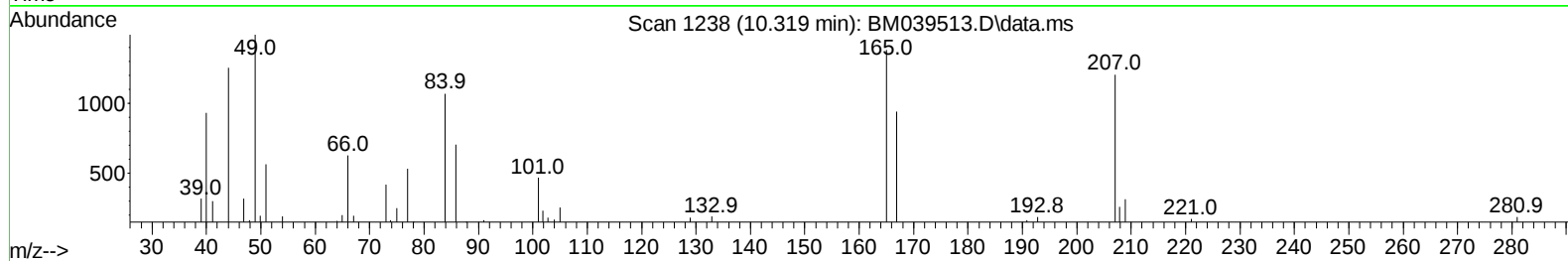
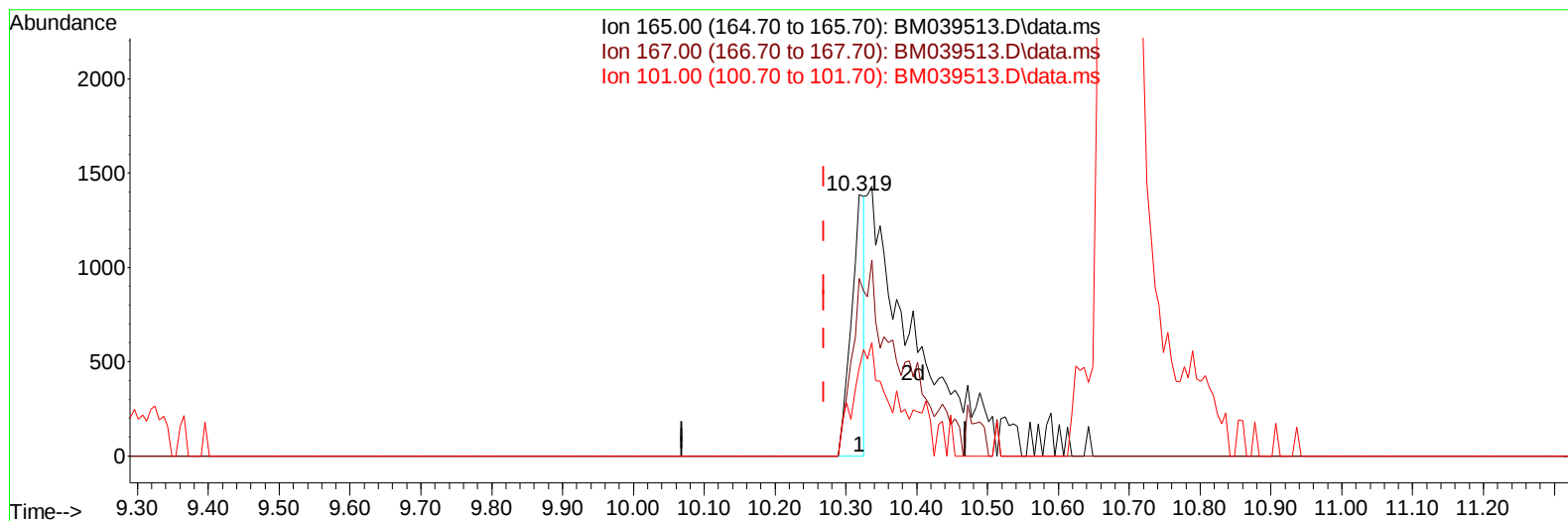
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041823\
Data File : BM039513.D
Acq On : 20 Apr 2023 02:29
Operator : CG/JU
Sample : 02296-14DL2 30X
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCBL8DL2

Manual IntegrationsAPPROVED

Quant Time: Apr 20 05:48:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM041823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 19 08:18:41 2023
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TIC: BM039513.D\data.ms

(28) 2,4-Dichlorophenol-d3 (S)

10.319min (+ 0.050) 0.12 ng/u1

response 1801

Ion	Exp%	Act%
165.00	100.00	100.00
167.00	63.90	67.89
101.00	35.30	33.69
0.00	0.00	0.00

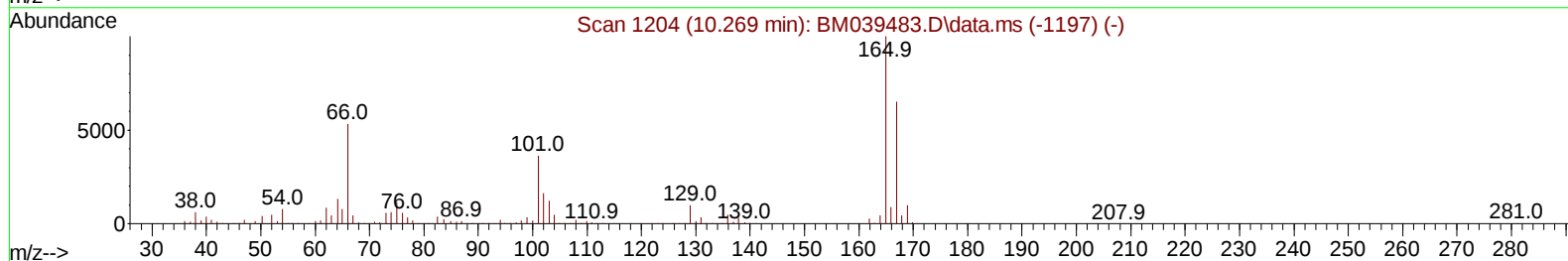
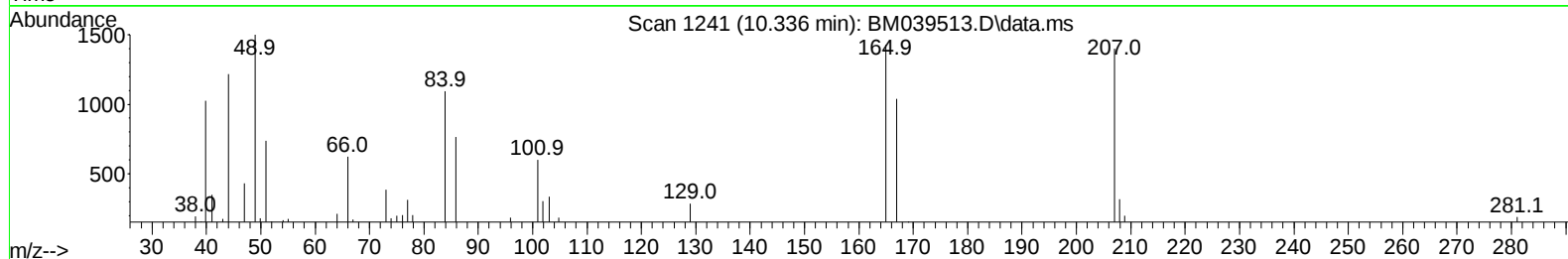
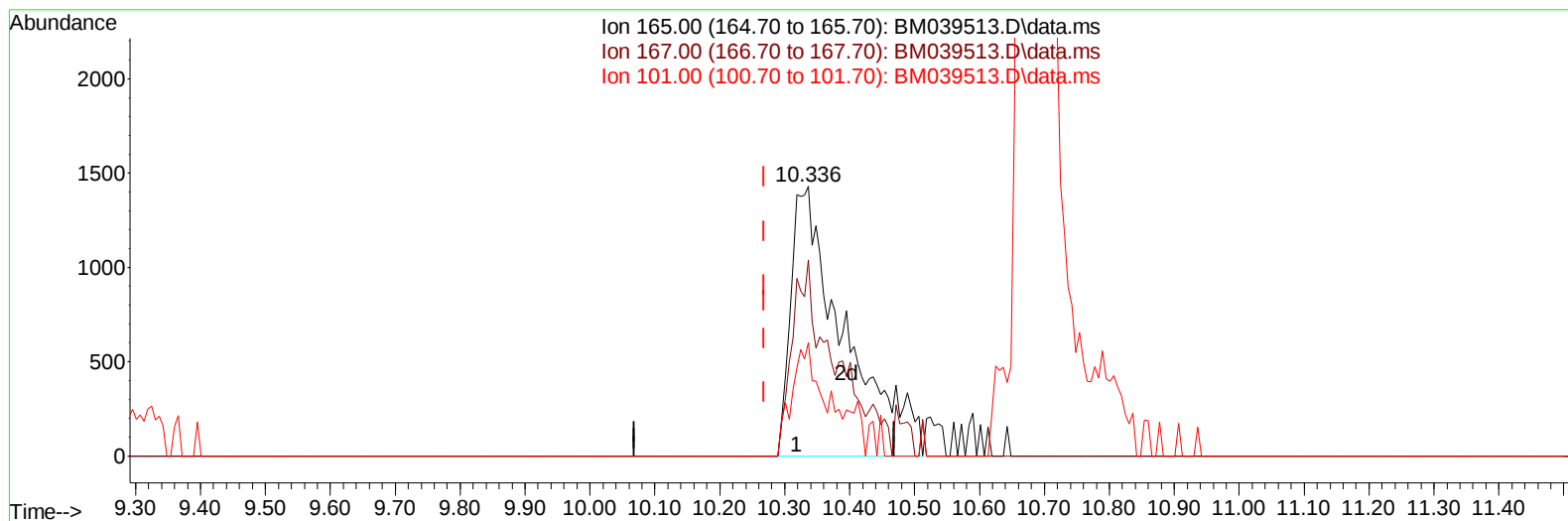
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041823\
Data File : BM039513.D
Acq On : 20 Apr 2023 02:29
Operator : CG/JU
Sample : 02296-14DL2 30X
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCBL8DL2

Manual IntegrationsAPPROVED

Quant Time: Apr 20 05:48:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM041823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 19 08:18:41 2023
Response via : Initial Calibration

Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/20/2023



TIC: BM039513.D\data.ms

(28) 2,4-Dichlorophenol-d3 (S)

10.336min (+ 0.068) 0.54 ng/ul m

response 8172

Ion	Exp%	Act%
165.00	100.00	100.00
167.00	63.90	72.85
101.00	35.30	42.13
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041823\
 Data File : BM039513.D
 Acq On : 20 Apr 2023 02:29
 Operator : CG/JU
 Sample : 02296-14DL2 30X
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCBL8DL2

Manual IntegrationsAPPROVED

Reviewed By :Christian Giraldo 04/20/2023
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Quant Time: Apr 20 05:49:22 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.825	152	203176	20.000	ng/ul	0.00
20) Naphthalene-d8	10.636	136	969113	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.483	164	638930	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.230	188	1344185	20.000	ng/ul	0.00
79) Chrysene-d12	21.424	240	960536	20.000	ng/ul	0.00
88) Perylene-d12	23.783	264	928638	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0d	0.000	ng/uL	
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	0.000	99	0d	0.000	ng/ul	
9) Bis-(2-Chloroethyl)eth...	7.178	67	8340m	0.679	ng/ul	0.01
11) 2-Chlorophenol-d4	7.378	132	7642m	0.524	ng/ul	0.01
15) 4-Methylphenol-d8	8.601	113	3577m	0.239	ng/ul	0.04
21) Nitrobenzene-d5	9.025	128	4708m	0.604	ng/ul	0.03
24) 2-Nitrophenol-d4	9.742	143	4123m	0.471	ng/ul	0.02
28) 2,4-Dichlorophenol-d3	10.336	165	8172m	0.542	ng/ul	0.07
31) 4-Chloroaniline-d4	0.000	131	0d	0.000	ng/ul	
46) Dimethylphthalate-d6	13.901	166	49956	0.969	ng/ul	0.00
49) Acenaphthylene-d8	14.177	160	48066	0.830	ng/ul	0.00
54) 4-Nitrophenol-d4	0.000	143	0	0.000	ng/ul	
60) Fluorene-d10	15.483	176	42709	1.012	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/ul	
73) Anthracene-d10	17.336	188	67723	1.048	ng/ul	0.00
81) Pyrene-d10	19.630	212	67078	1.051	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.636	264	44891	0.895	ng/ul	0.00
Target Compounds						
30) Naphthalene	10.683	128	4864559	90.723	ng/ul	100
37) 1-Methylnaphthalene	12.519	142	378991	10.492	ng/ul	98
43) 1,1'-Biphenyl	13.319	154	147814	2.994	ng/ul	99
52) Acenaphthene	14.548	153	351396	8.242	ng/ul	98
56) Dibenzofuran	14.883	168	439061	7.577	ng/ul	99
72) Phenanthrene	17.277	178	205724	2.757	ng/ul	98
77) Carbazole	17.654	167	199705	3.002	ng/ul	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041823\
Data File : BM039513.D
Acq On : 20 Apr 2023 02:29
Operator : CG/JU
Sample : 02296-14DL2 30X
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DCBL8DL2

Manual IntegrationsAPPROVED

Quant Time: Apr 20 05:49:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM041823.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 19 08:18:41 2023
Response via : Initial Calibration

Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/20/2023

