

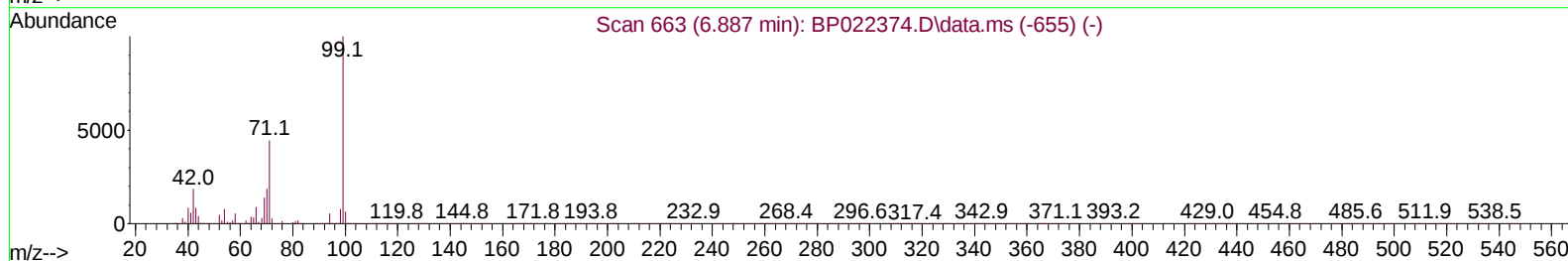
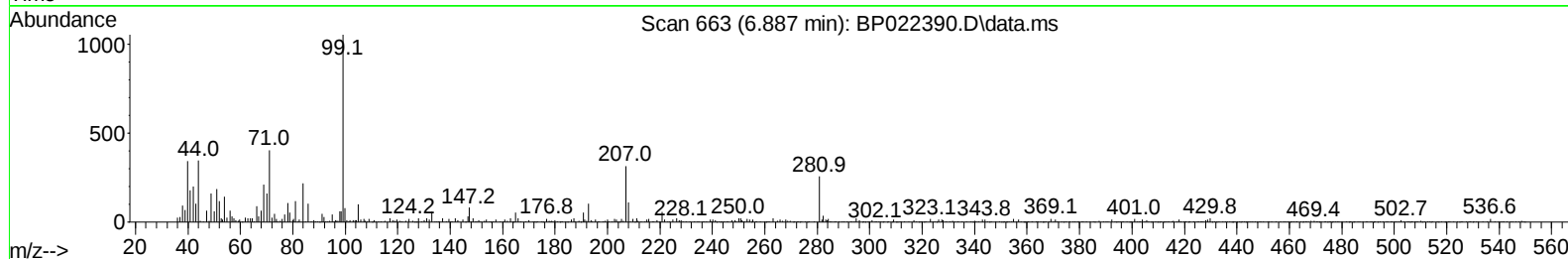
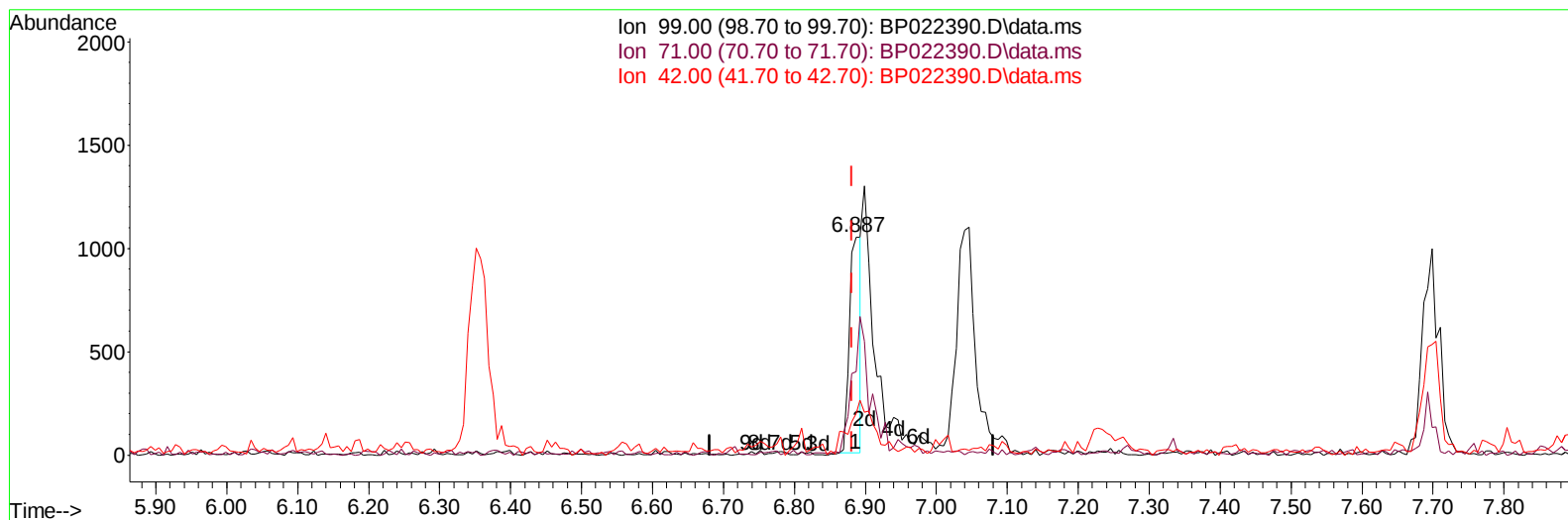
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
Data File : BP022390.D
Acq On : 15 Oct 2024 15:36
Operator : RC/JU
Sample : P4264-02DL2 30X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCYN6DL2

Manual IntegrationsAPPROVED

Quant Time: Oct 16 01:58:15 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 10/16/2024
Supervised By :mohammad ahmed 10/22/2024



TIC: BP022390.D\data.ms

(7) Phenol-d5 (S)

6.887min (+ 0.006) 0.20 ng/u1

response 1222

Ion	Exp%	Act%
99.00	100.00	100.00
71.00	44.40	38.39
42.00	17.60	19.15
0.00	0.00	0.00

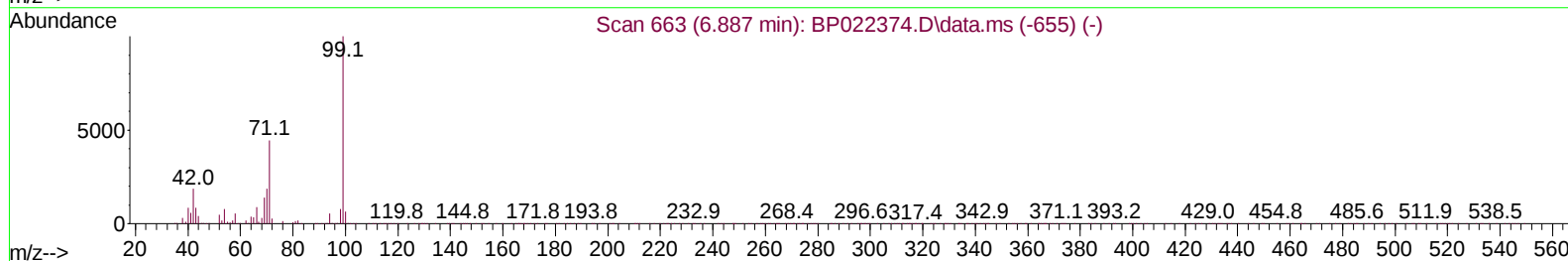
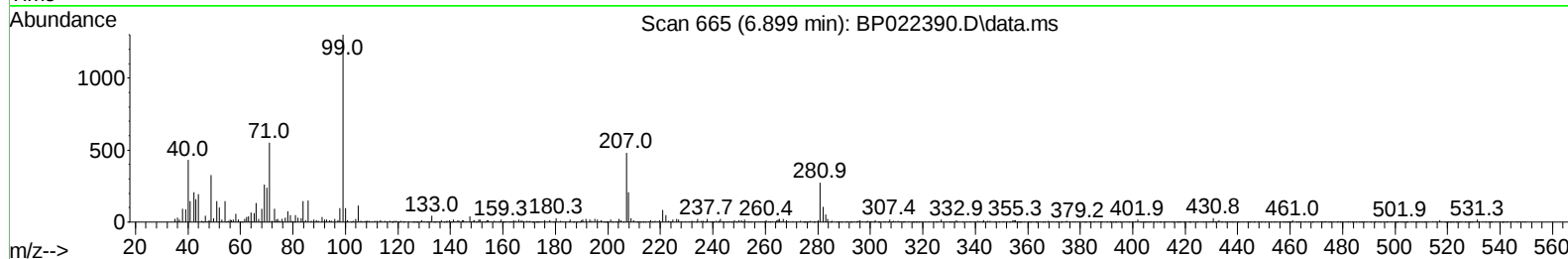
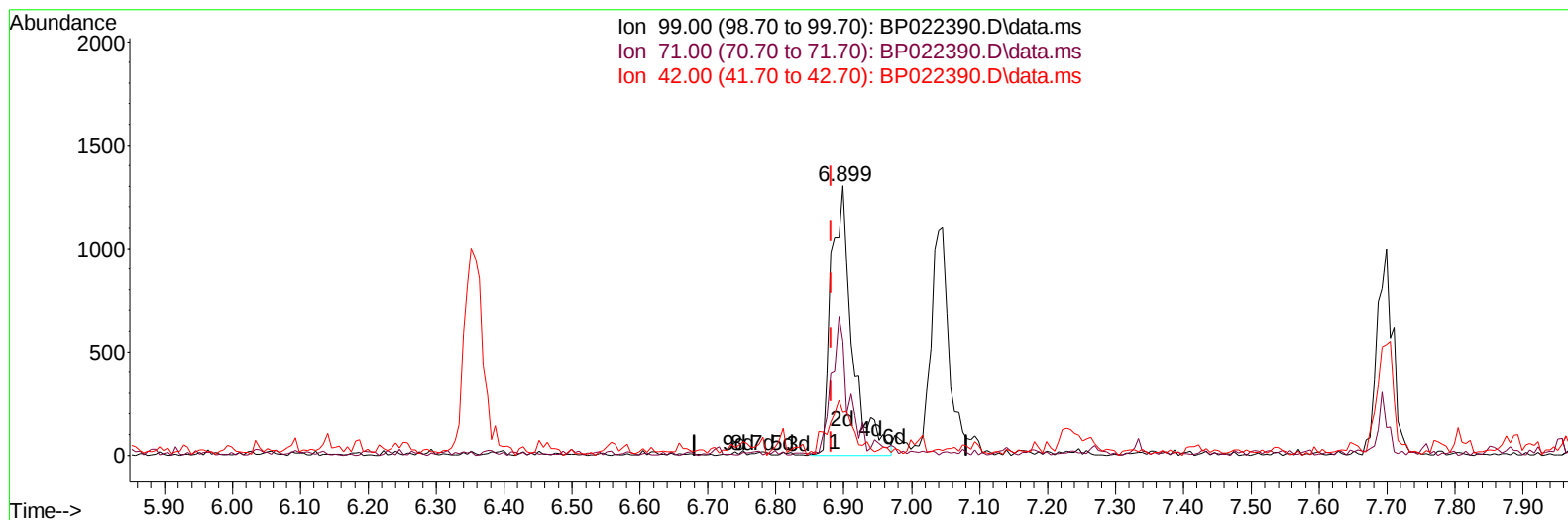
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
Data File : BP022390.D
Acq On : 15 Oct 2024 15:36
Operator : RC/JU
Sample : P4264-02DL2 30X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCYN6DL2

Manual IntegrationsAPPROVED

Quant Time: Oct 16 01:58:15 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 10/16/2024
Supervised By :mohammad ahmed 10/22/2024



TIC: BP022390.D\data.ms

(7) Phenol-d5 (S)

6.899min (+ 0.018) 0.46 ng/u1 m

response 2812

Ion	Exp%	Act%
99.00	100.00	100.00
71.00	44.40	42.28
42.00	17.60	15.83
0.00	0.00	0.00

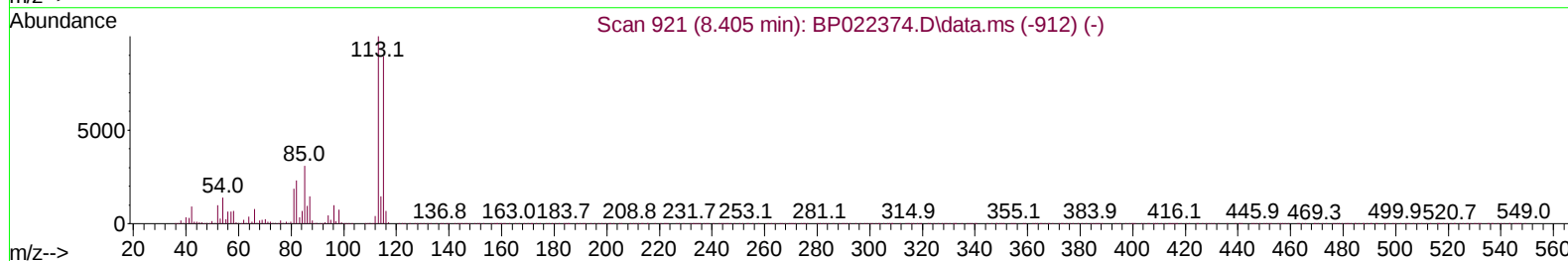
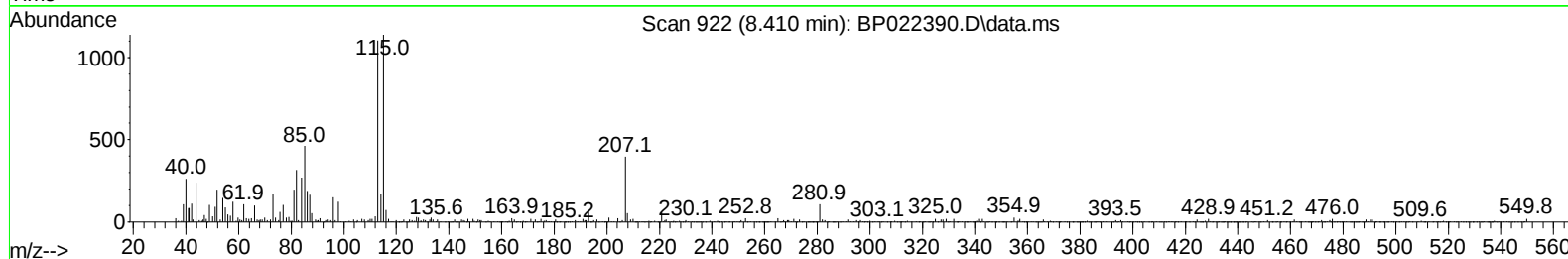
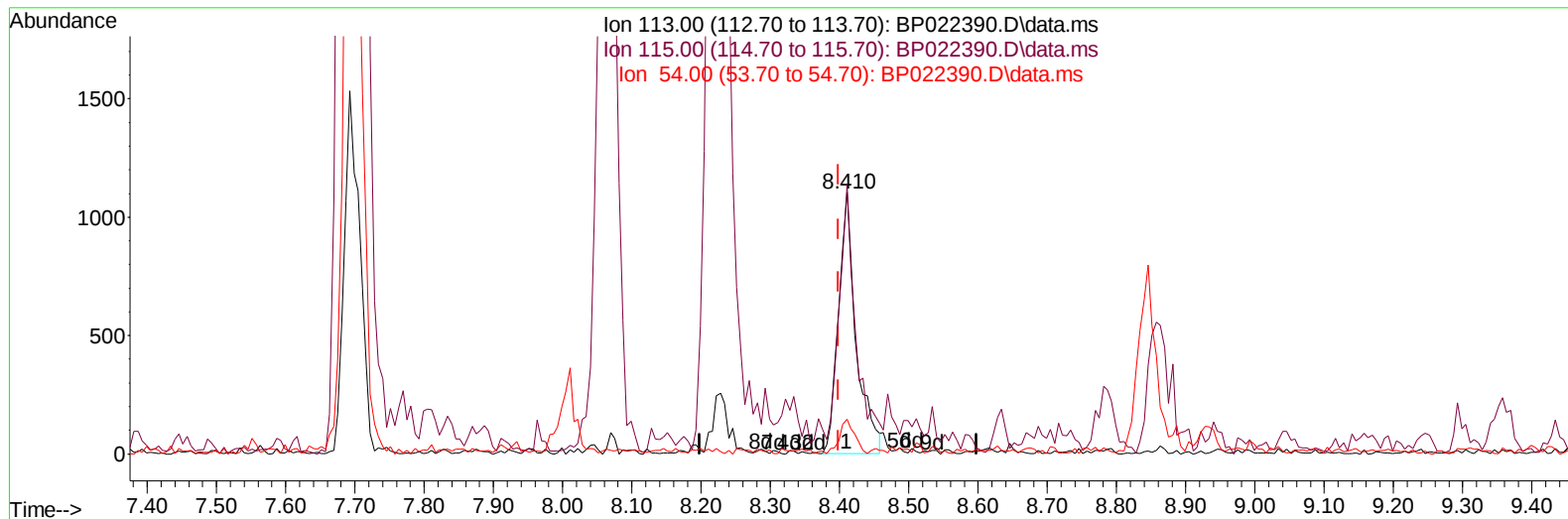
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
Data File : BP022390.D
Acq On : 15 Oct 2024 15:36
Operator : RC/JU
Sample : P4264-02DL2 30X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCYN6DL2

Manual IntegrationsAPPROVED

Quant Time: Oct 16 01:58:15 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: BP022390.D\data.ms

(15) 4-Methylphenol-d8 (S)

8.410min (+ 0.012) 0.40 ng/u1

response 1963

Ion	Exp%	Act%
113.00	100.00	100.00
115.00	91.10	103.08
54.00	14.50	13.32
0.00	0.00	0.00

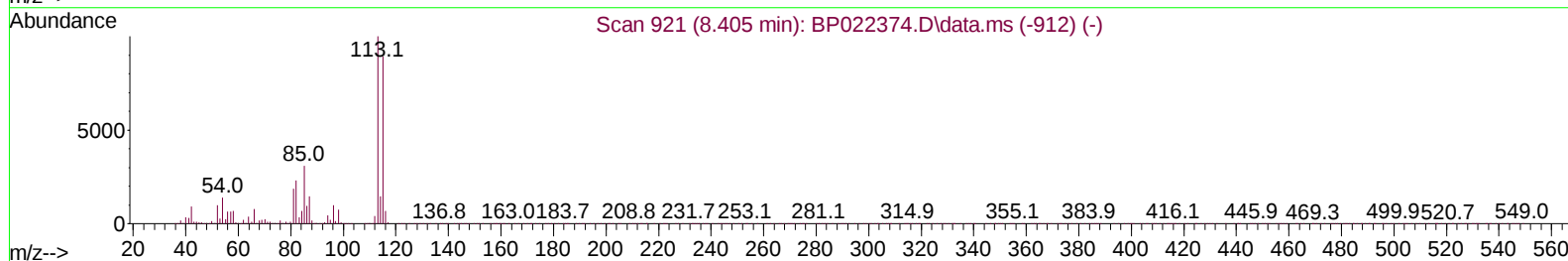
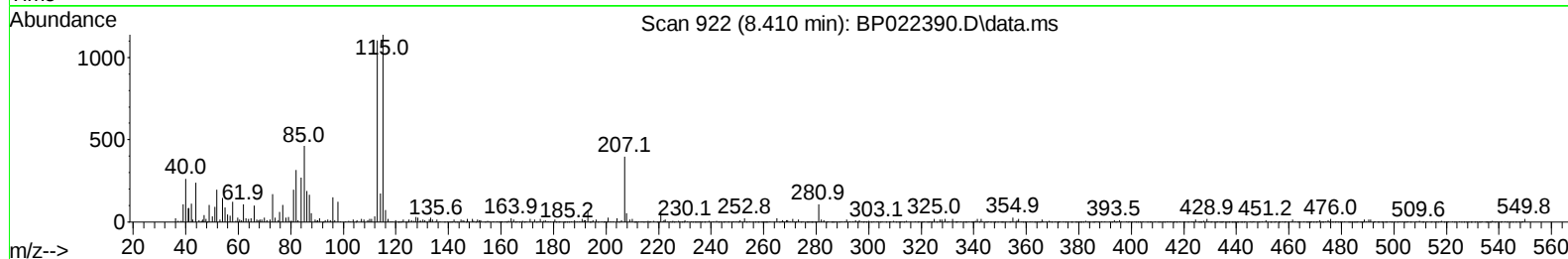
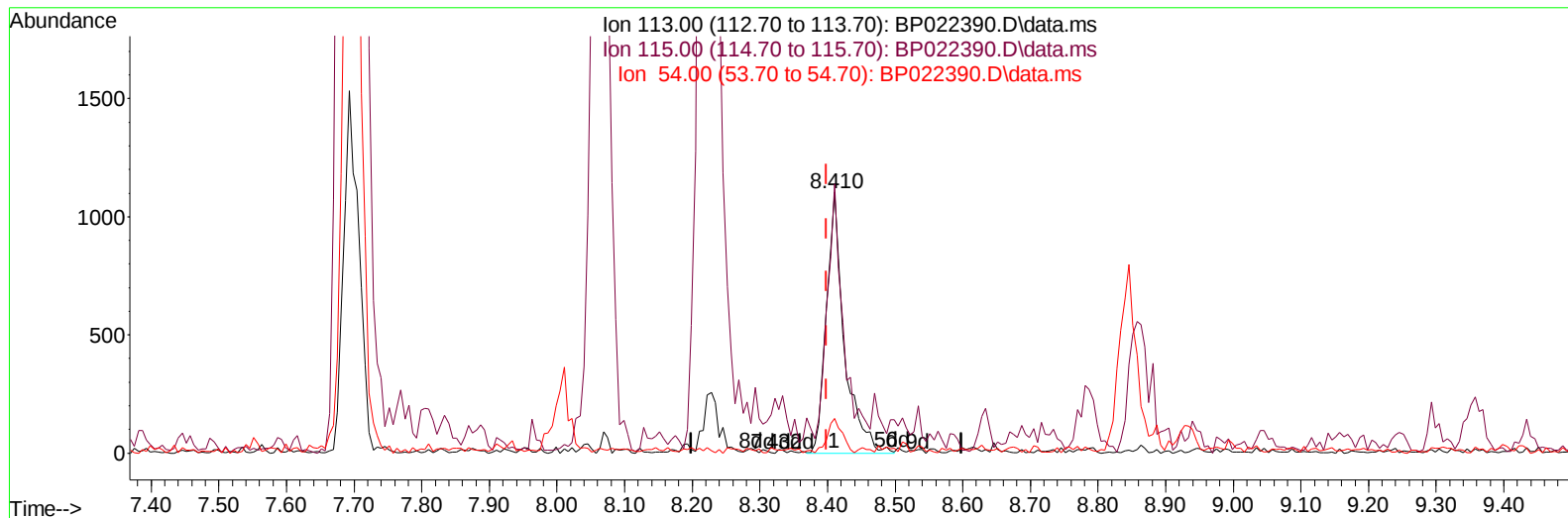
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
Data File : BP022390.D
Acq On : 15 Oct 2024 15:36
Operator : RC/JU
Sample : P4264-02DL2 30X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCYN6DL2

Manual IntegrationsAPPROVED

Quant Time: Oct 16 01:58:15 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 10/16/2024
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TIC: BP022390.D\data.ms

(15) 4-Methylphenol-d8 (S)

8.410min (+ 0.012) 0.41 ng/u1 m

response 2039

Ion	Exp%	Act%
113.00	100.00	100.00
115.00	91.10	103.08
54.00	14.50	13.32
0.00	0.00	0.00

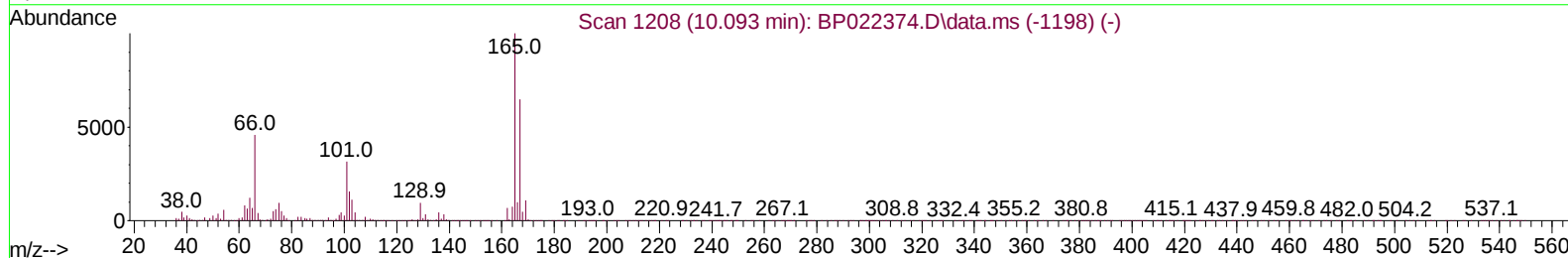
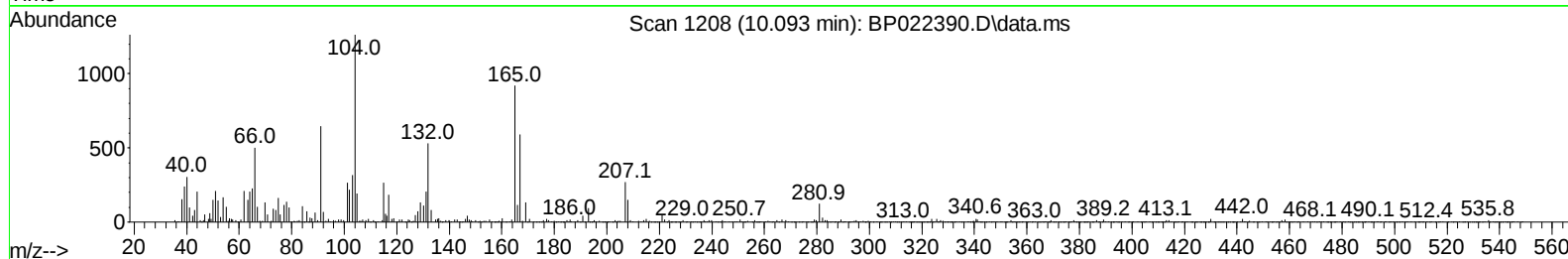
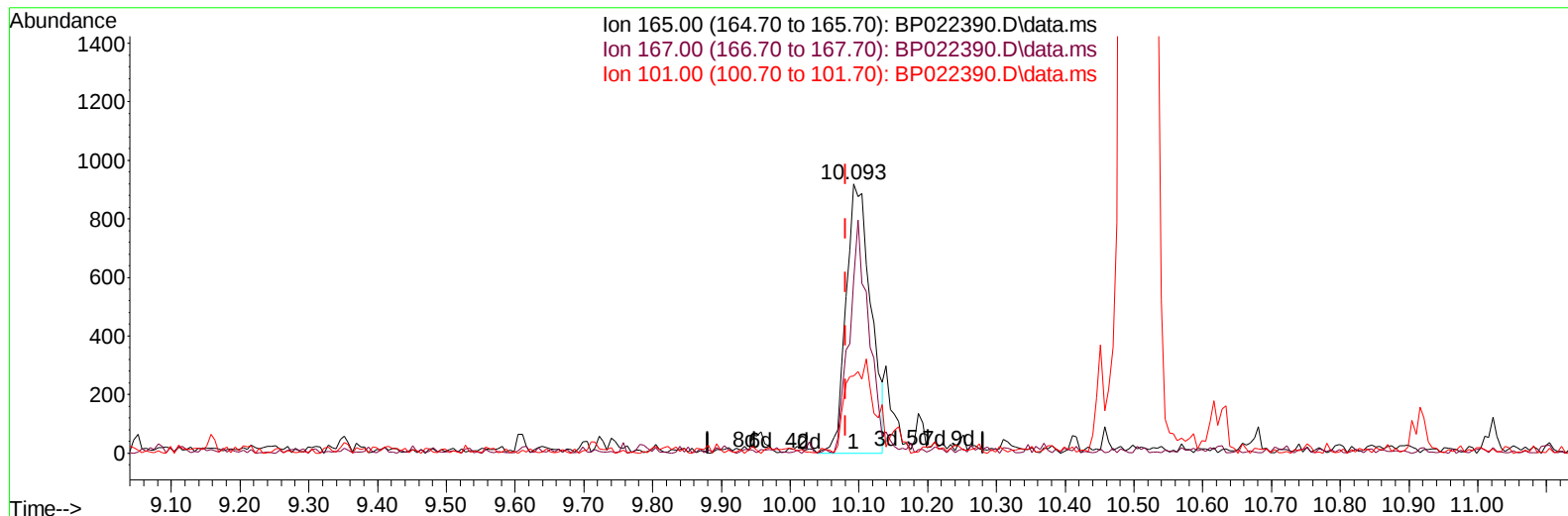
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
 Data File : BP022390.D
 Acq On : 15 Oct 2024 15:36
 Operator : RC/JU
 Sample : P4264-02DL2 30X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCYN6DL2

Manual IntegrationsAPPROVED

Quant Time: Oct 16 01:58:15 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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Reviewed By :Yogesh Patel 10/16/2024
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TIC: BP022390.D\data.ms

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

10.093min (+ 0.012) 0.43 ng/u1

response 2296

Ion	Exp%	Act%
165.00	100.00	100.00
167.00	66.10	64.31
101.00	32.30	28.73
0.00	0.00	0.00

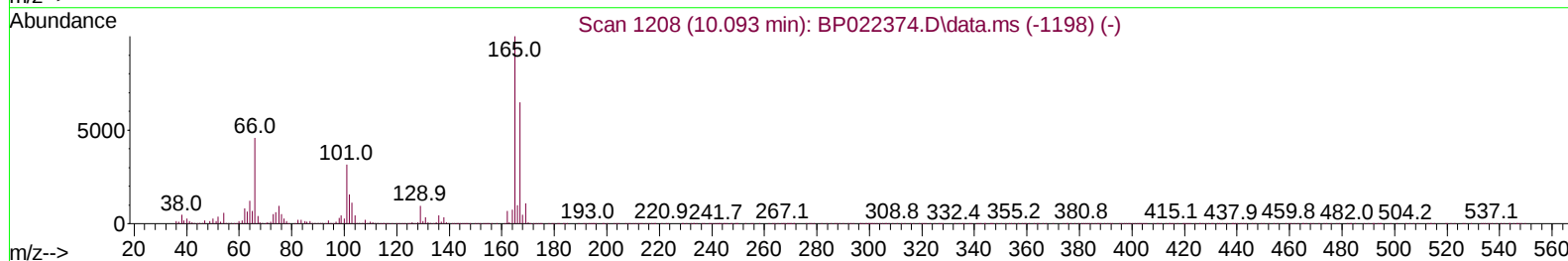
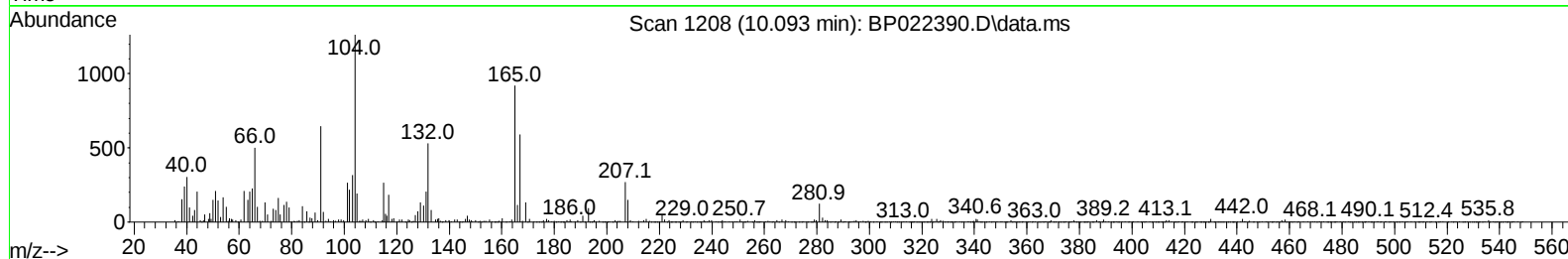
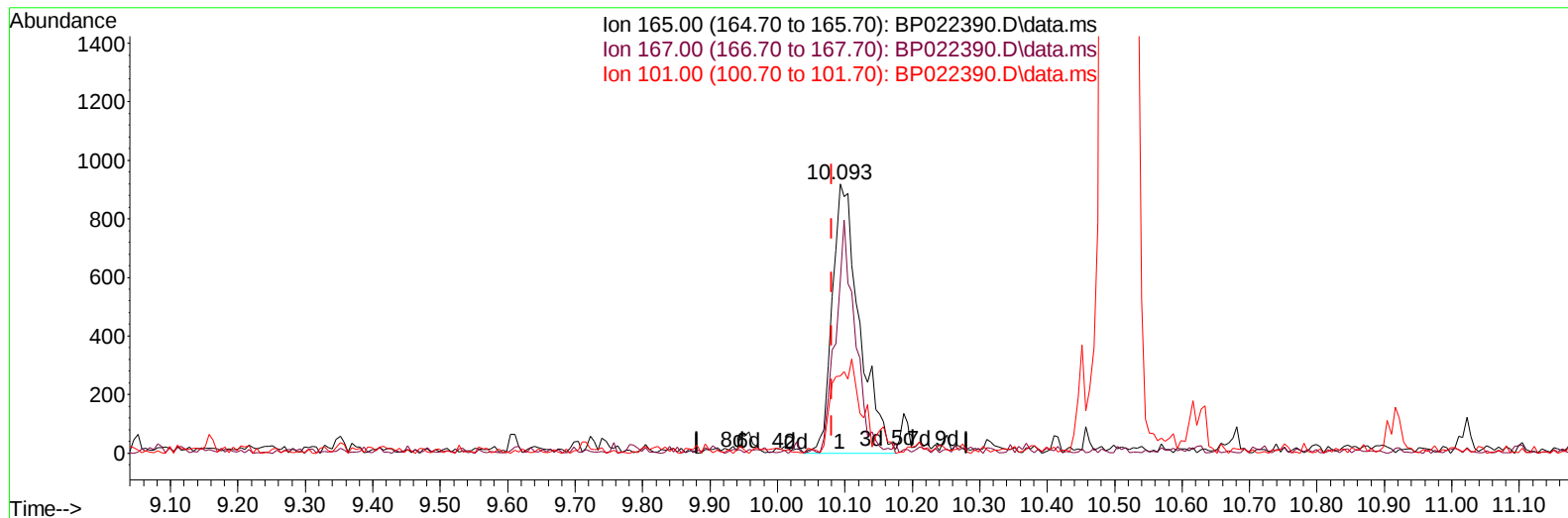
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Data File : BP022390.D
Acq On : 15 Oct 2024 15:36
Operator : RC/JU
Sample : P4264-02DL2 30X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCYN6DL2

Manual IntegrationsAPPROVED

Quant Time: Oct 16 01:58:15 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 10/16/2024
Supervised By :mohammad ahmed 10/22/2024



TIC: BP022390.D\data.ms

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

10.093min (+ 0.012) 0.48 ng/ul m

response 2565

Ion	Exp%	Act%
165.00	100.00	100.00
167.00	66.10	64.31
101.00	32.30	28.73
0.00	0.00	0.00

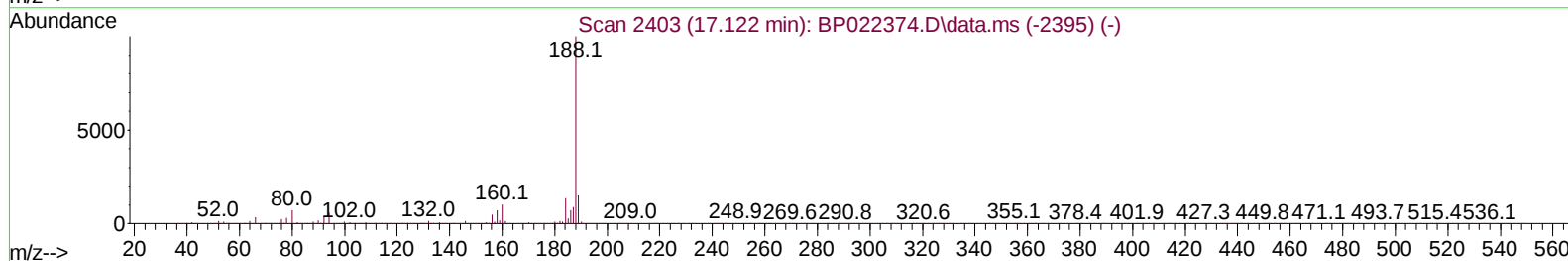
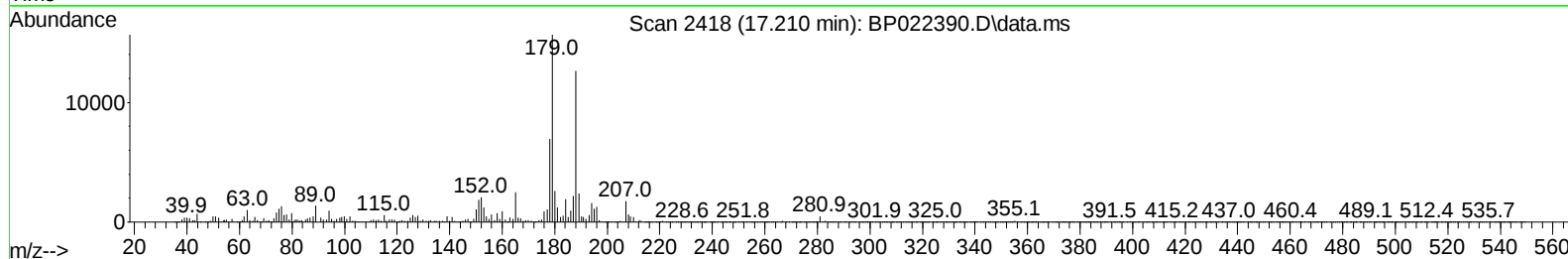
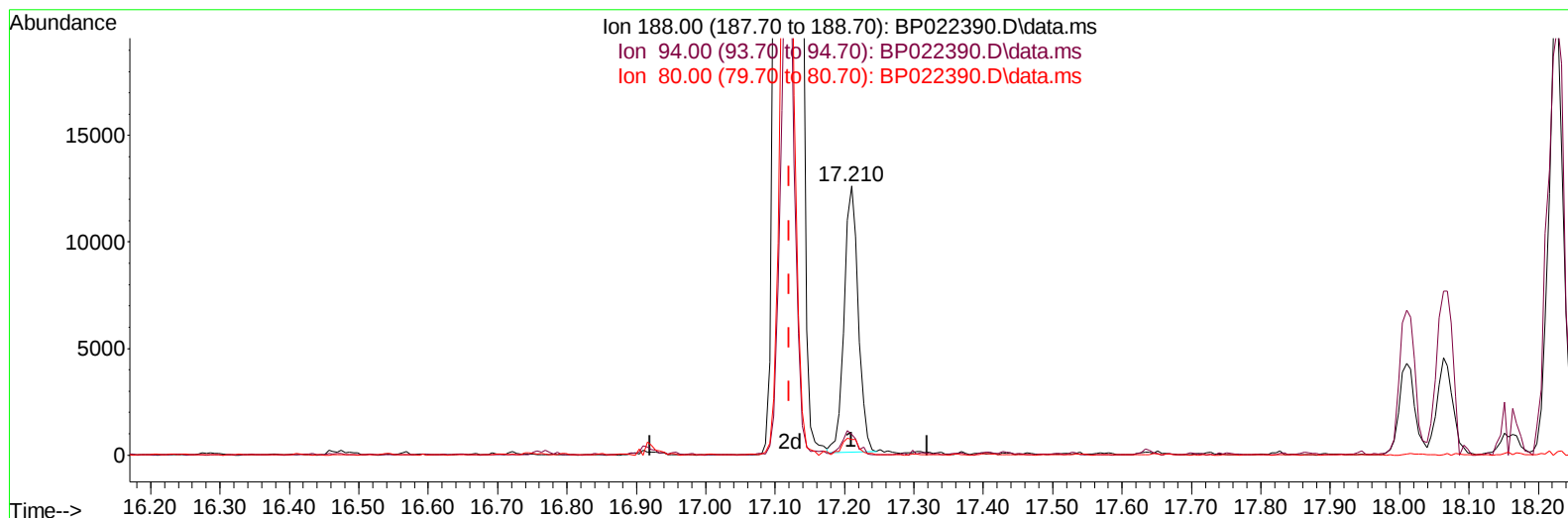
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
 Data File : BP022390.D
 Acq On : 15 Oct 2024 15:36
 Operator : RC/JU
 Sample : P4264-02DL2 30X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCYN6DL2

Manual IntegrationsAPPROVED

Quant Time: Oct 16 01:58:15 2024
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TIC: BP022390.D\data.ms

(64) Phenanthrene-d10 (I)

17.210min (+ 0.090) 20.00 ng/u1

response 17668

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	7.00	7.61
80.00	8.20	6.73
0.00	0.00	0.00

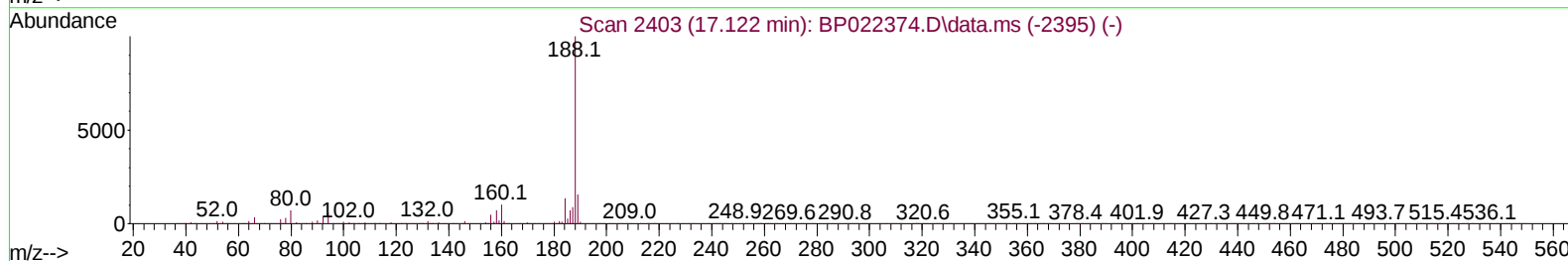
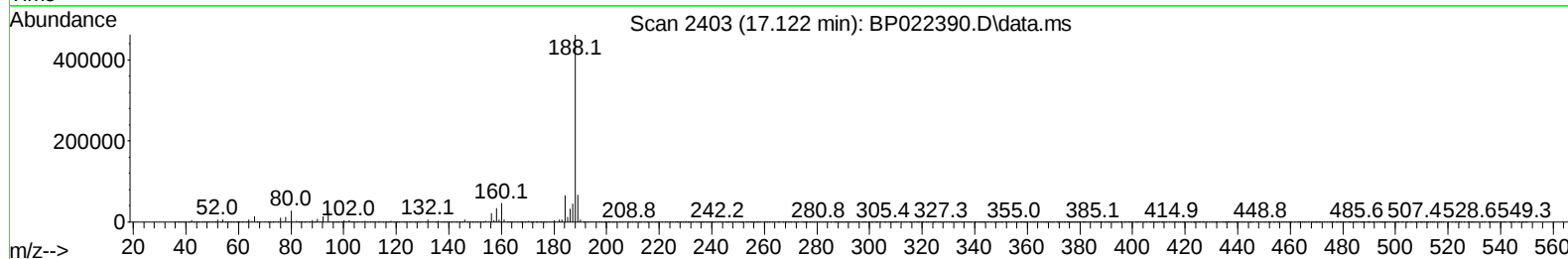
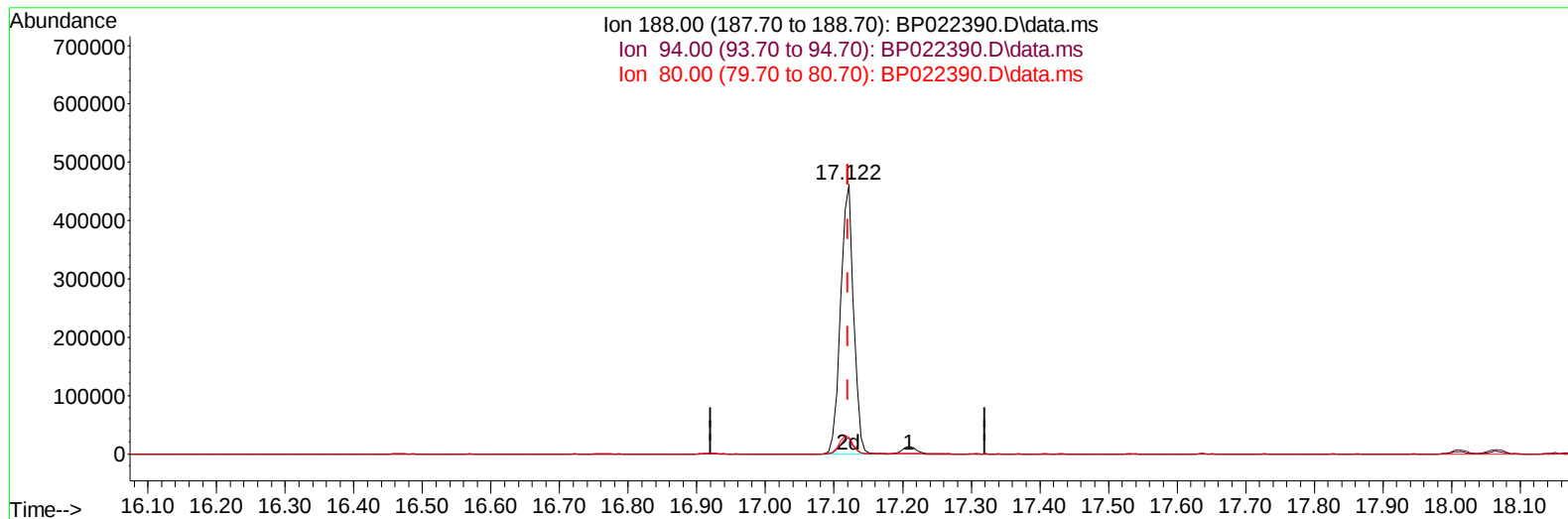
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Data File : BP022390.D
Acq On : 15 Oct 2024 15:36
Operator : RC/JU
Sample : P4264-02DL2 30X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCYN6DL2

Manual IntegrationsAPPROVED

Quant Time: Oct 16 01:58:15 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 10/16/2024
Supervised By :mohammad ahmed 10/22/2024



TIC: BP022390.D\data.ms

(64) Phenanthrene-d10 (I)

17.122min (+ 0.002) 20.00 ng/u1 m

response 604792

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	7.00	5.77
80.00	8.20	6.24#
0.00	0.00	0.00

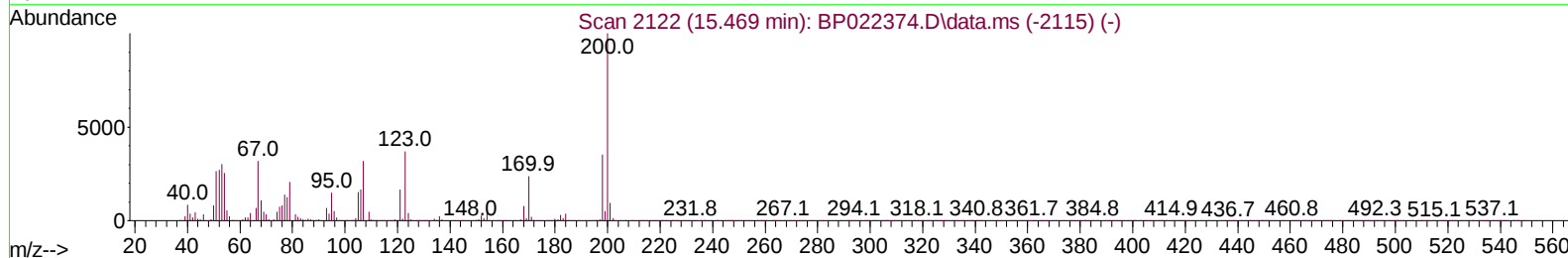
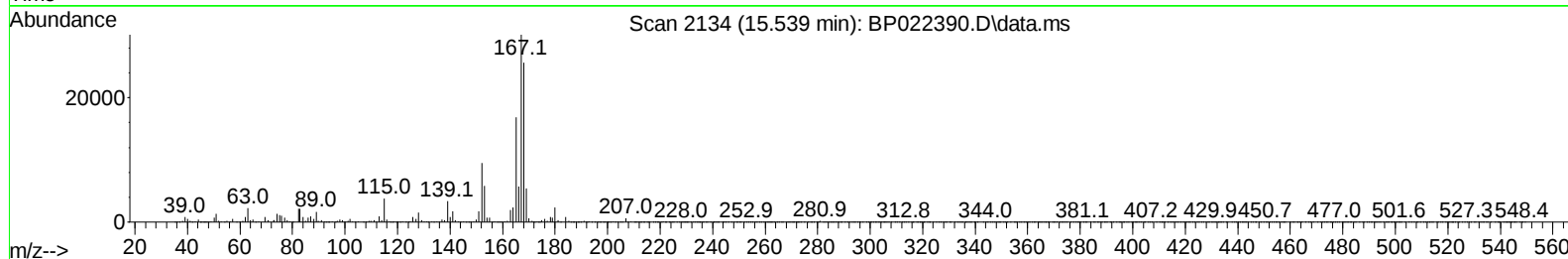
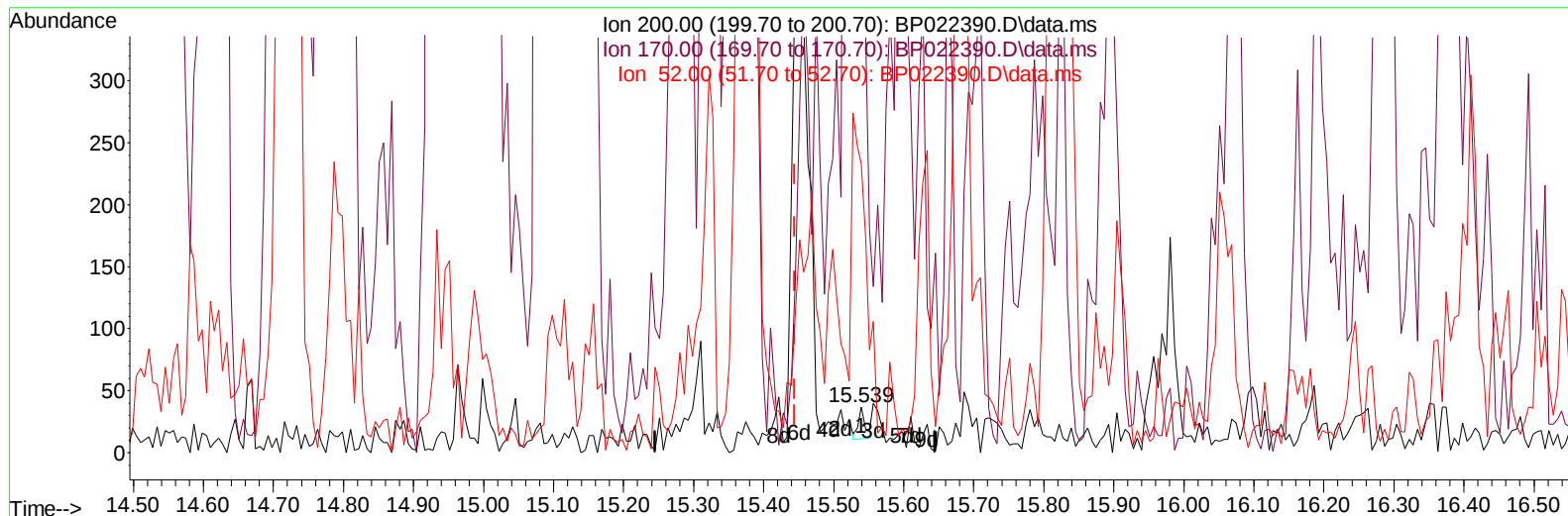
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
Data File : BP022390.D
Acq On : 15 Oct 2024 15:36
Operator : RC/JU
Sample : P4264-02DL2 30X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCYN6DL2

Manual IntegrationsAPPROVED

Quant Time: Oct 16 02:06:06 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 10/16/2024
Supervised By :mohammad ahmed 10/22/2024



TIC: BP022390.D\data.ms

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

15.539min (+ 0.094) 0.00 ng/u1

response 17

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	22.00	1713.51#
52.00	36.60	629.73#
0.00	0.00	0.00

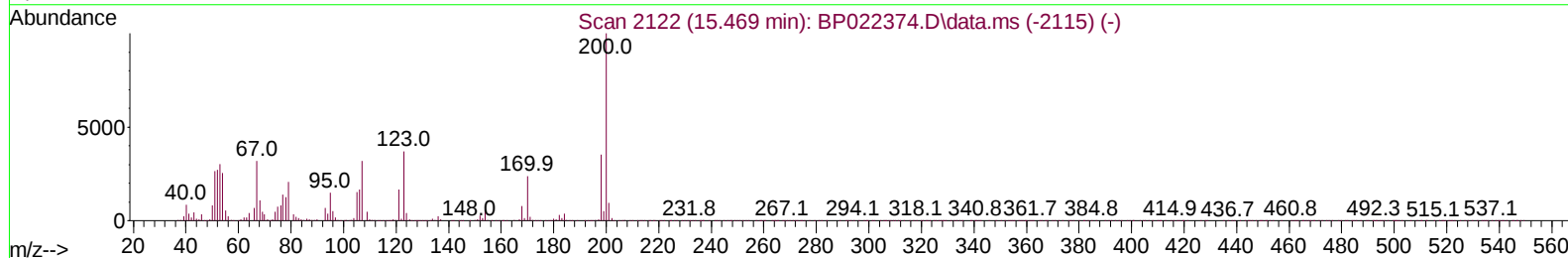
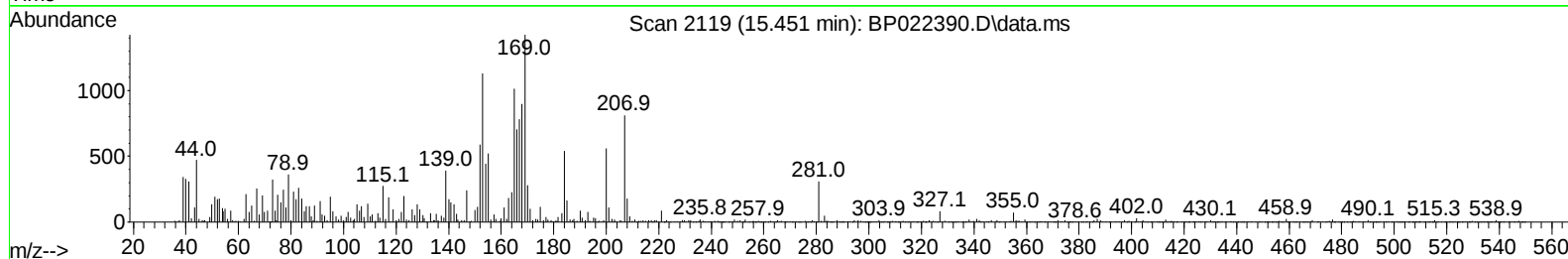
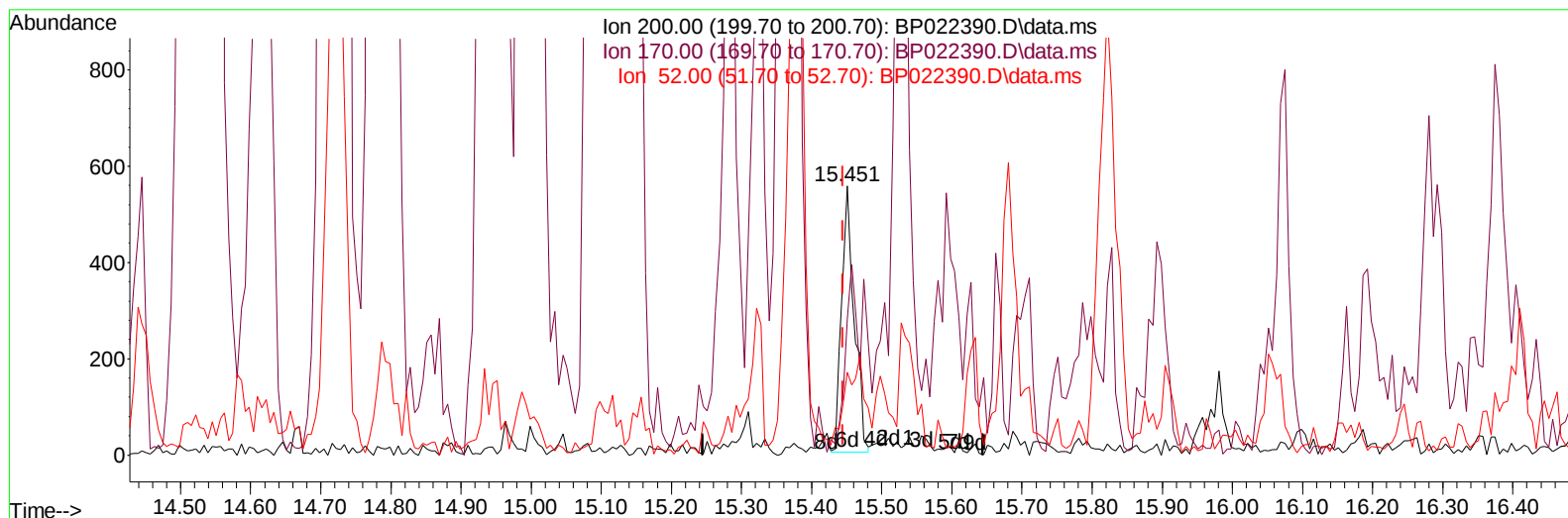
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
Data File : BP022390.D
Acq On : 15 Oct 2024 15:36
Operator : RC/JU
Sample : P4264-02DL2 30X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCYN6DL2

Manual IntegrationsAPPROVED

Quant Time: Oct 16 02:06:06 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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Reviewed By :Yogesh Patel 10/16/2024
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TIC: BP022390.D\data.ms

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

15.451min (+ 0.006) 0.17 ng/ul m

response 693

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	22.00	50.45#
52.00	36.60	30.77
0.00	0.00	0.00

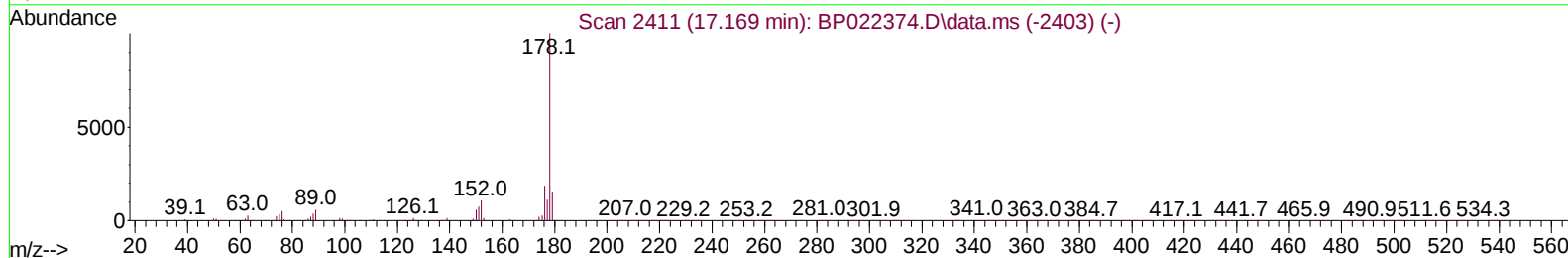
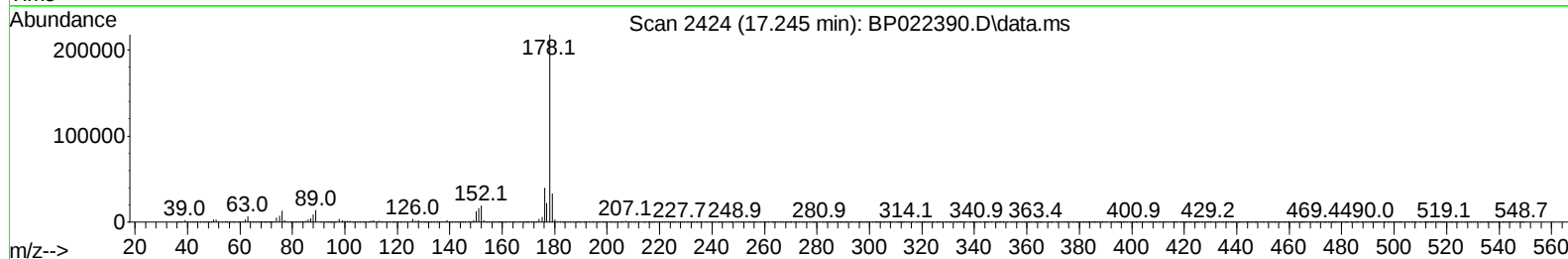
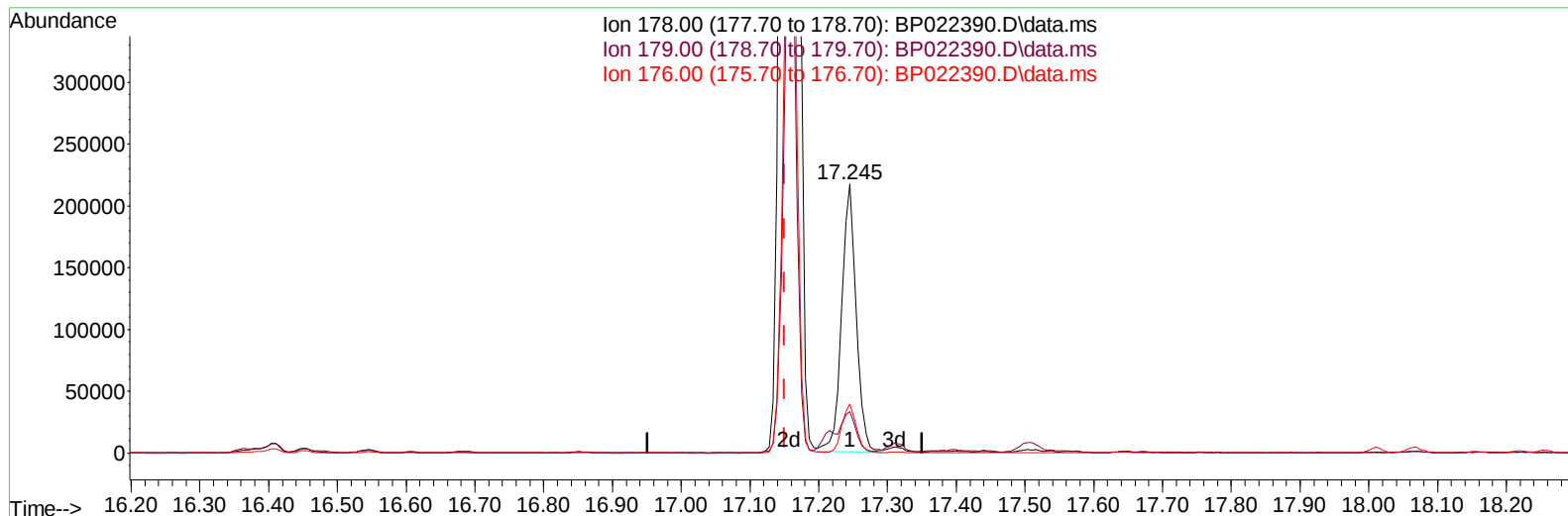
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
 Data File : BP022390.D
 Acq On : 15 Oct 2024 15:36
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 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCYN6DL2

Manual IntegrationsAPPROVED

Quant Time: Oct 16 02:06:06 2024
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 QLast Update : Mon Oct 14 11:01:55 2024
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Reviewed By :Yogesh Patel 10/16/2024
 Supervised By :mohammad ahmed 10/22/2024



TIC: BP022390.D\data.ms

(72) Phenanthrene

17.245min (+ 0.094) 9.87 ng/u1

response 319433

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.30	15.38
176.00	19.60	18.40
0.00	0.00	0.00

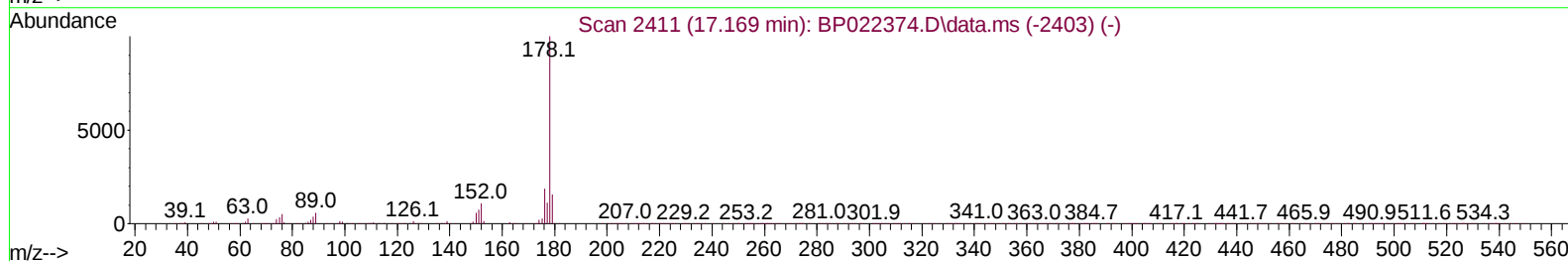
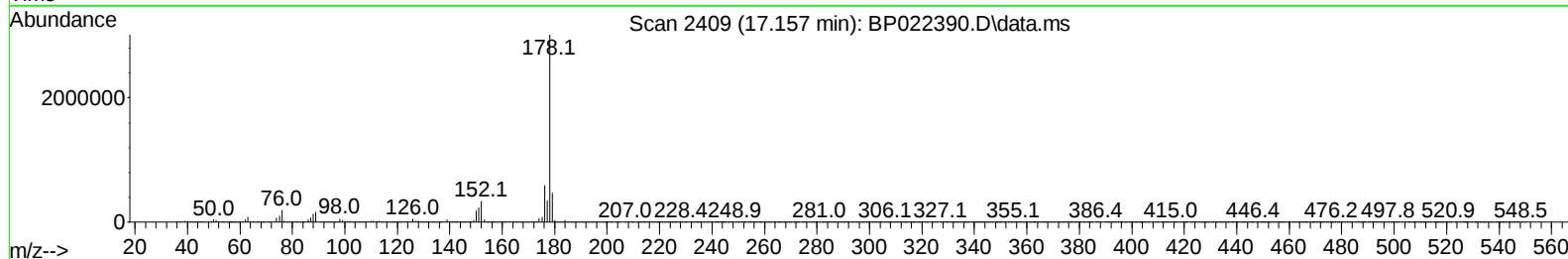
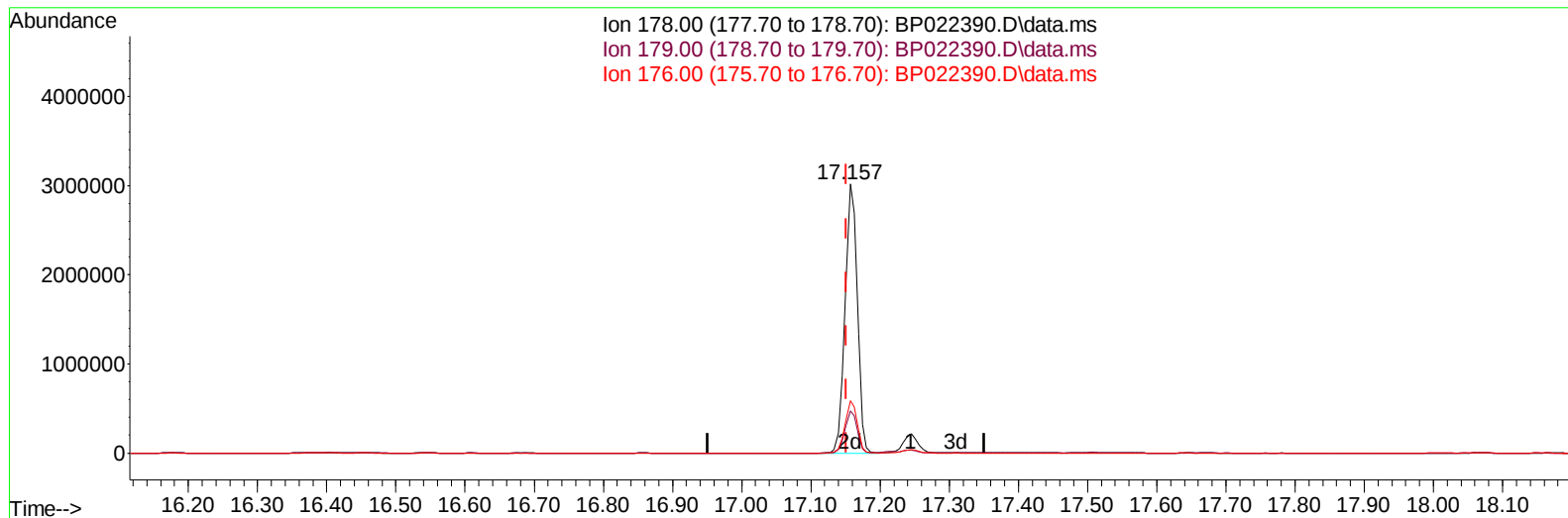
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
Data File : BP022390.D
Acq On : 15 Oct 2024 15:36
Operator : RC/JU
Sample : P4264-02DL2 30X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCYN6DL2

Manual IntegrationsAPPROVED

Quant Time: Oct 16 02:06:06 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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Reviewed By :Yogesh Patel 10/16/2024
Supervised By :mohammad ahmed 10/22/2024



TIC: BP022390.D\data.ms

(72) Phenanthrene

17.157min (+ 0.006) 114.71 ng/ul m

response 3711654

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.30	15.66
176.00	19.60	19.54
0.00	0.00	0.00

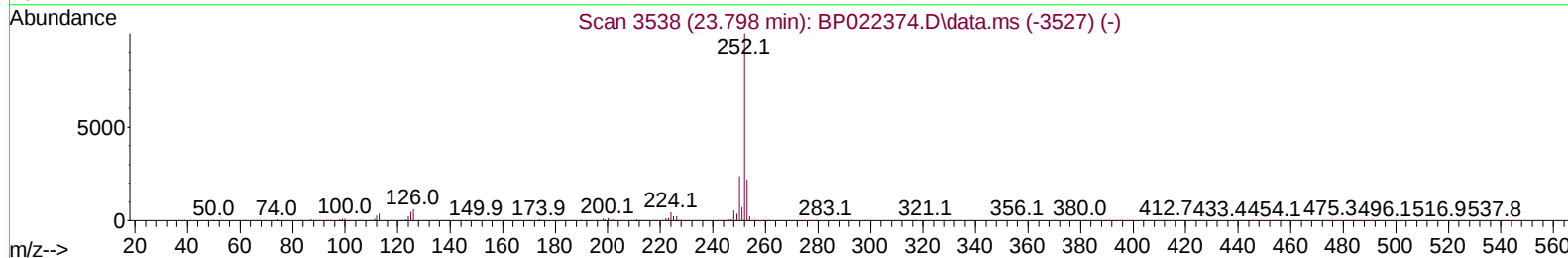
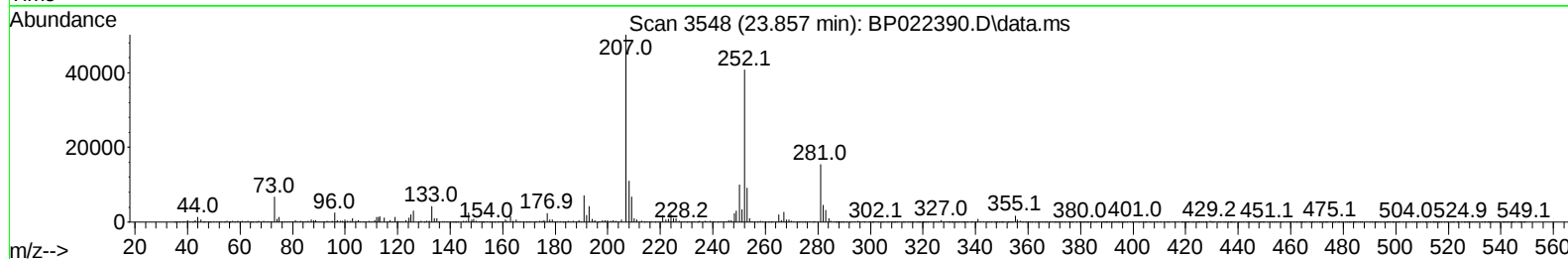
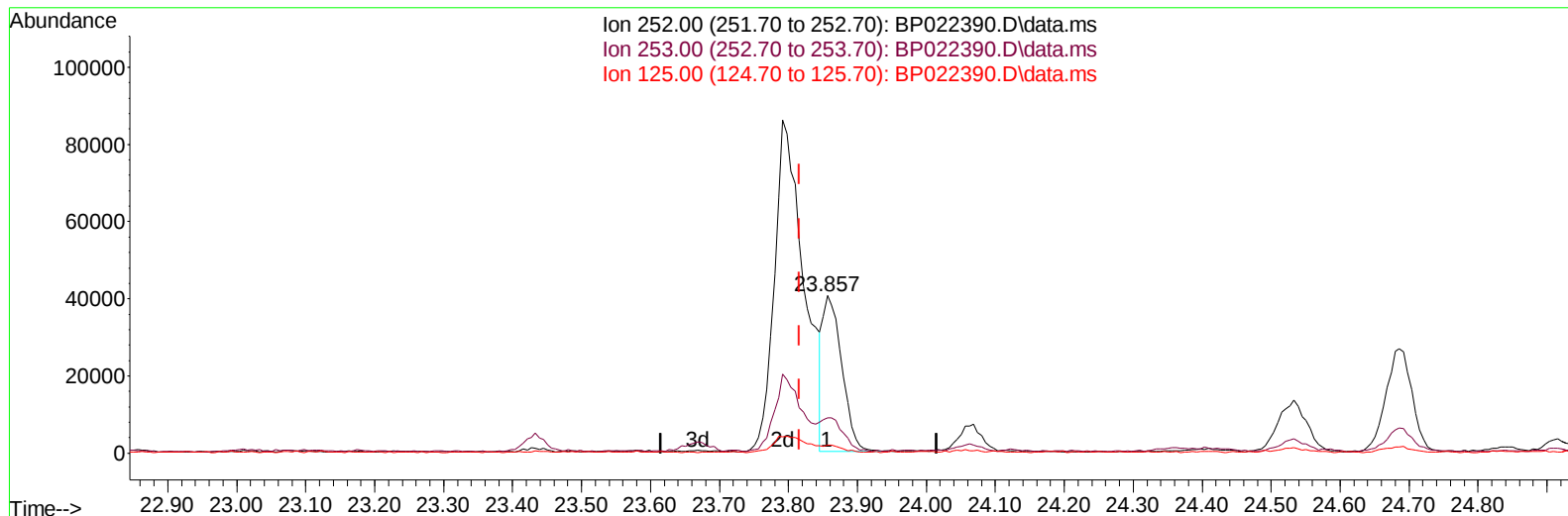
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
 Data File : BP022390.D
 Acq On : 15 Oct 2024 15:36
 Operator : RC/JU
 Sample : P4264-02DL2 30X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCYN6DL2

Manual IntegrationsAPPROVED

Quant Time: Oct 16 02:06:06 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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Reviewed By :Yogesh Patel 10/16/2024
 Supervised By :mohammad ahmed 10/22/2024



TIC: BP022390.D\data.ms

(90) Benzo(b)fluoranthene

23.857min (+ 0.041) 1.41 ng/ul

response 77049

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.30	22.58
125.00	6.20	5.15
0.00	0.00	0.00

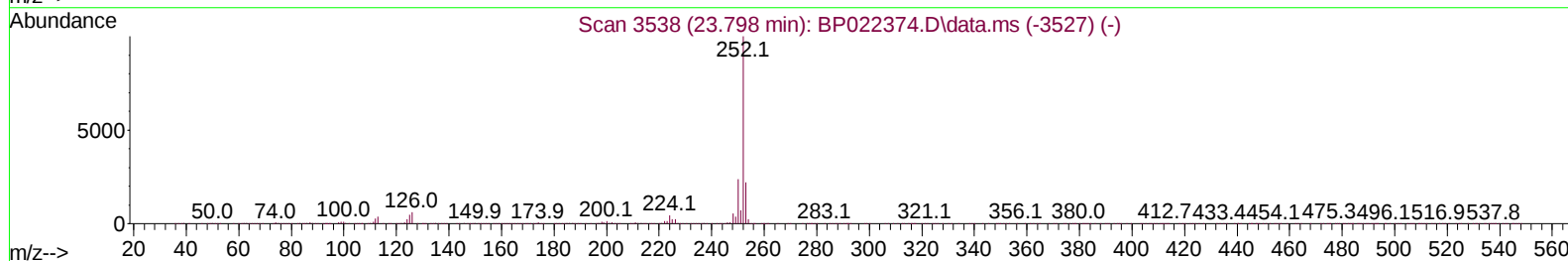
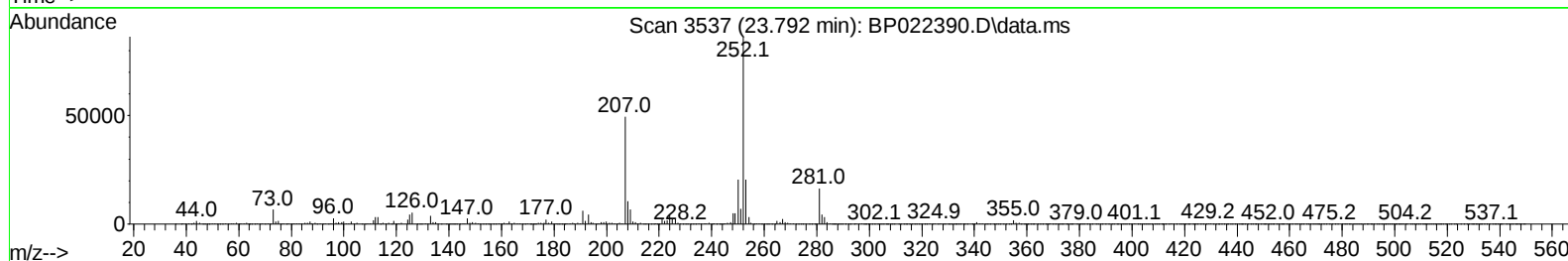
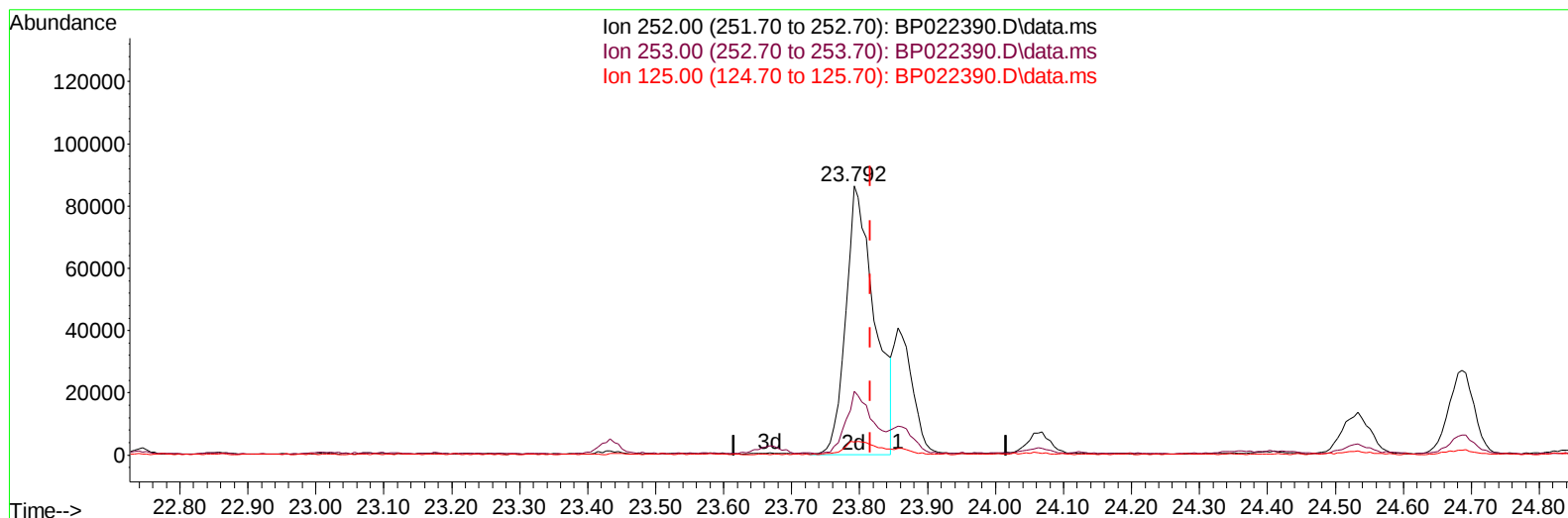
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
Data File : BP022390.D
Acq On : 15 Oct 2024 15:36
Operator : RC/JU
Sample : P4264-02DL2 30X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DCYN6DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/16/2024
Supervised By :mohammad ahmed 10/22/2024

Quant Time: Oct 16 02:06:06 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: BP022390.D\data.ms

(90) Benzo(b)fluoranthene

23.792min (-0.024) 4.62 ng/u1 m

response 253318

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.30	23.67
125.00	6.20	4.94#
0.00	0.00	0.00

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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/16/2024
 Supervised By :mohammad ahmed 10/22/2024

Quant Time: Oct 16 02:08:51 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

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.699	152		73410	20.000	ng/ul	0.00
20) Naphthalene-d8	10.451	136		282381	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.310	164		231636	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.122	188		604792m	20.000	ng/ul	0.00
79) Chrysene-d12	21.545	240		744596	20.000	ng/ul	0.00
88) Perylene-d12	24.839	264		870314	20.000	ng/ul	0.00
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	6.899	99		2812m	0.455	ng/ul	0.02
9) Bis-(2-Chloroethyl)eth...	7.040	67		1785	0.491	ng/ul	0.00
11) 2-Chlorophenol-d4	7.246	132		1915	0.437	ng/ul	0.00
15) 4-Methylphenol-d8	8.410	113		2039m	0.413	ng/ul	0.01
21) Nitrobenzene-d5	8.846	128		1193	0.549	ng/ul	0.01
24) 2-Nitrophenol-d4	9.557	143		1251	0.498	ng/ul	0.01
28) 2,4-Dichlorophenol-d3	10.093	165		2565m	0.480	ng/ul	0.01
31) 4-Chloroaniline-d4	0.000	131		0d	0.000	ng/ul	
46) Dimethylphthalate-d6	13.716	166		10834	0.589	ng/ul	0.00
49) Acenaphthylene-d8	14.004	160		10588	0.542	ng/ul	0.00
54) 4-Nitrophenol-d4	0.000	143		0d	0.000	ng/ul	
60) Fluorene-d10	15.322	176		10587	0.663	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.451	200		693m	0.174	ng/ul	0.00
73) Anthracene-d10	17.210	188		17579	0.618	ng/ul	0.00
81) Pyrene-d10	19.598	212		21976	0.558	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.615	264		19902	0.428	ng/ul	-0.02
Target Compounds							
						Qvalue	
30) Naphthalene	10.510	128		2137735	142.133	ng/ul	98
36) 2-Methylnaphthalene	12.116	142		485482	43.973	ng/ul	97
37) 1-Methylnaphthalene	12.334	142		230795	20.481	ng/ul	98
52) Acenaphthene	14.381	153		417086	29.074	ng/ul	98
61) Fluorene	15.381	166		497989	28.363	ng/ul	97
71) Pentachlorophenol	16.769	266		12998	2.252	ng/ul	90
72) Phenanthrene	17.157	178		3711654m	114.710	ng/ul	
74) Anthracene	17.245	178		313888	9.721	ng/ul	99
80) Fluoranthene	19.257	202		2383215	52.648	ng/ul	97
82) Pyrene	19.627	202		1288831	26.564	ng/ul	98
85) Benzo(a)anthracene	21.527	228		451897	8.657	ng/ul	98
87) Chrysene	21.586	228		366482	7.572	ng/ul	98
90) Benzo(b)fluoranthene	23.792	252		253318m	4.624	ng/ul	
91) Benzo(k)fluoranthene	23.857	252		76959	1.435	ng/ul	98
93) Benzo(a)pyrene	24.686	252		69783	1.384	ng/ul	97

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

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