

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061732.D
Acq On : 26 Jun 2024 12:51
Operator : MA/JU
Sample : P2873-09DL2 50X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0SJ9DL2

Manual IntegrationsAPPROVED

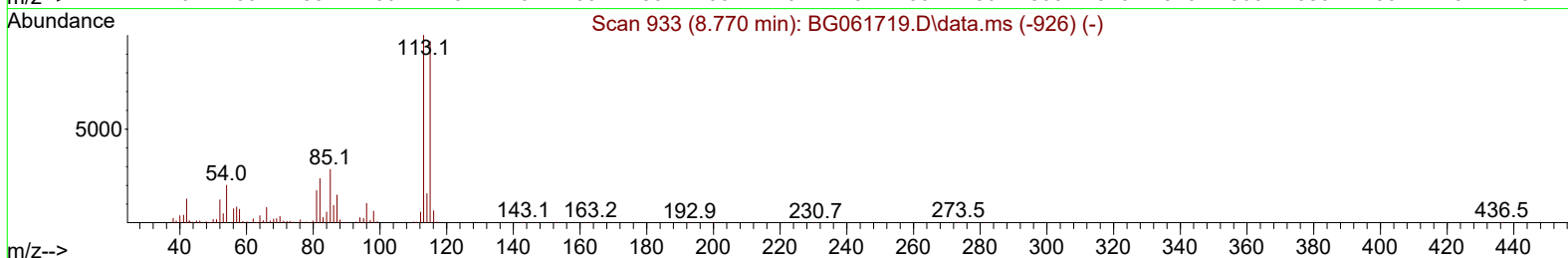
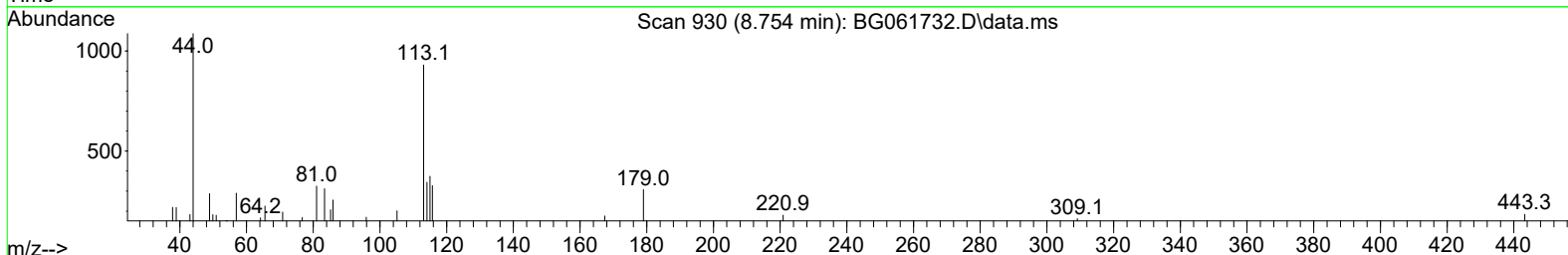
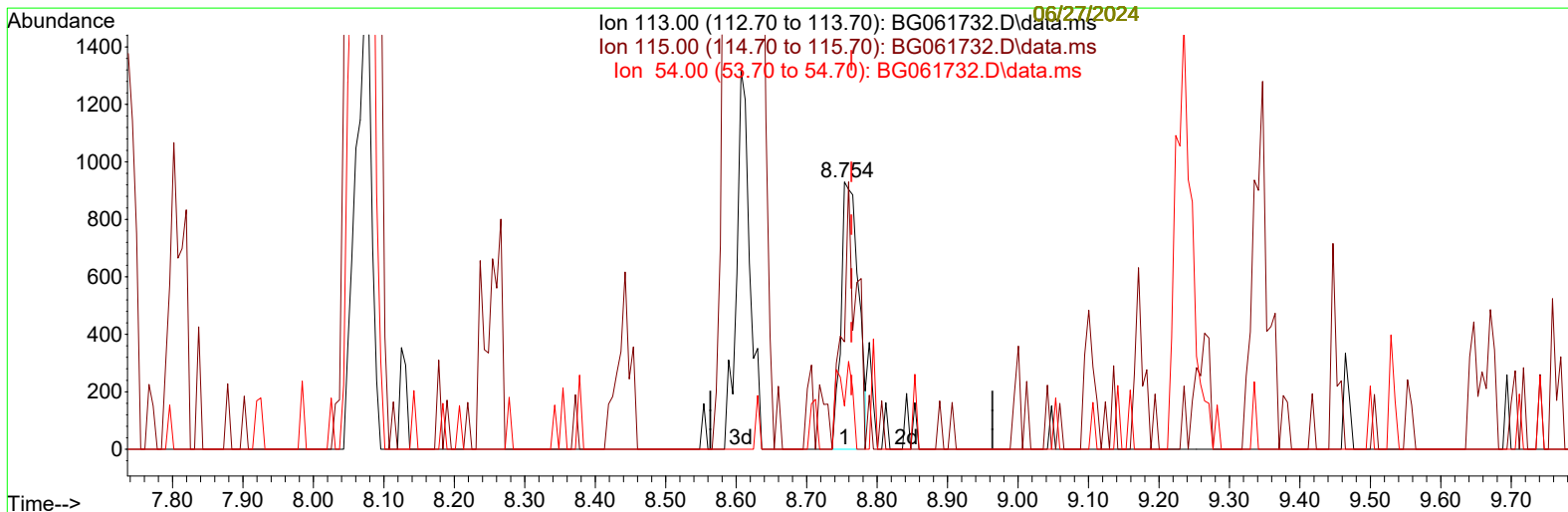
Quant Time: Jun 27 03:46:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 21 05:03:55 2024
Response via : Initial Calibration

Reviewed By :Yogesh
Patel
06/27/2024

Supervised By :mohammad
ahmed

06/27/2024

Ion 113.00 (112.70 to 113.70): BG061732.D\data.ms
Ion 115.00 (114.70 to 115.70): BG061732.D\data.ms
Ion 54.00 (53.70 to 54.70): BG061732.D\data.ms



TIC: BG061732.D\data.ms

(15) 4-Methylphenol-d8 (S)

8.754min (-0.010) 0.33 ng/ul

response 1604

Ion	Exp%	Act%
113.00	100.00	100.00
115.00	92.60	75.38
54.00	17.20	16.24
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061732.D
Acq On : 26 Jun 2024 12:51
Operator : MA/JU
Sample : P2873-09DL2 50X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0SJ9DL2

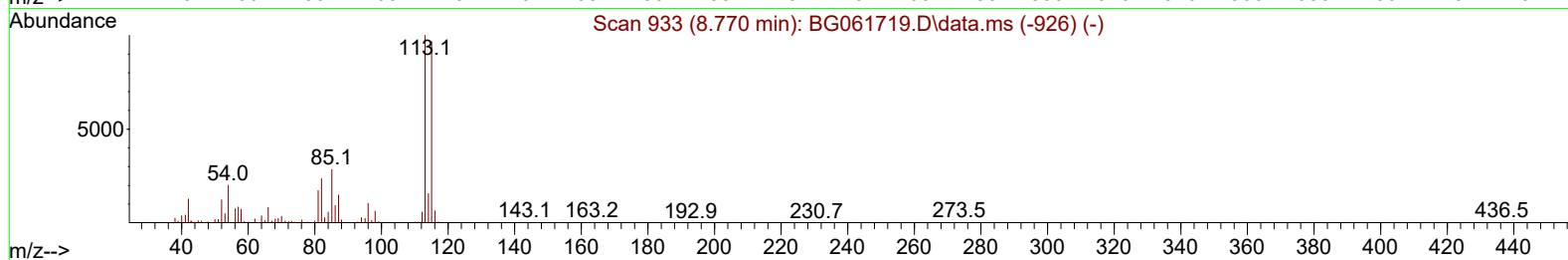
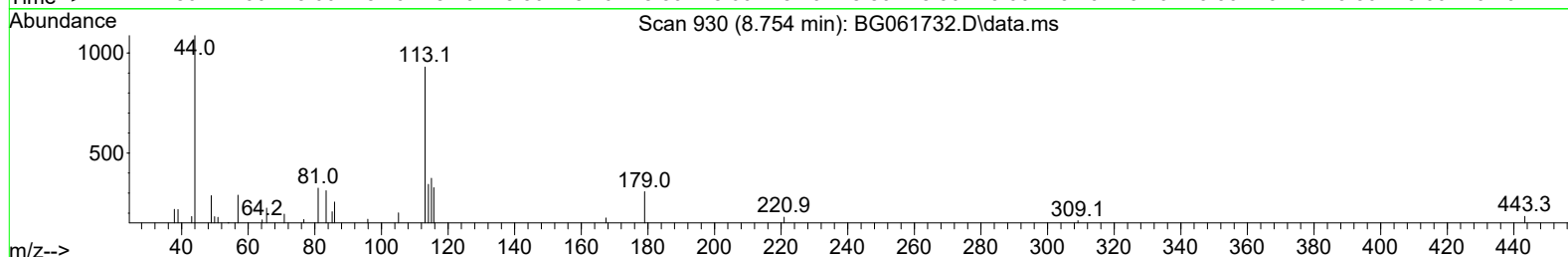
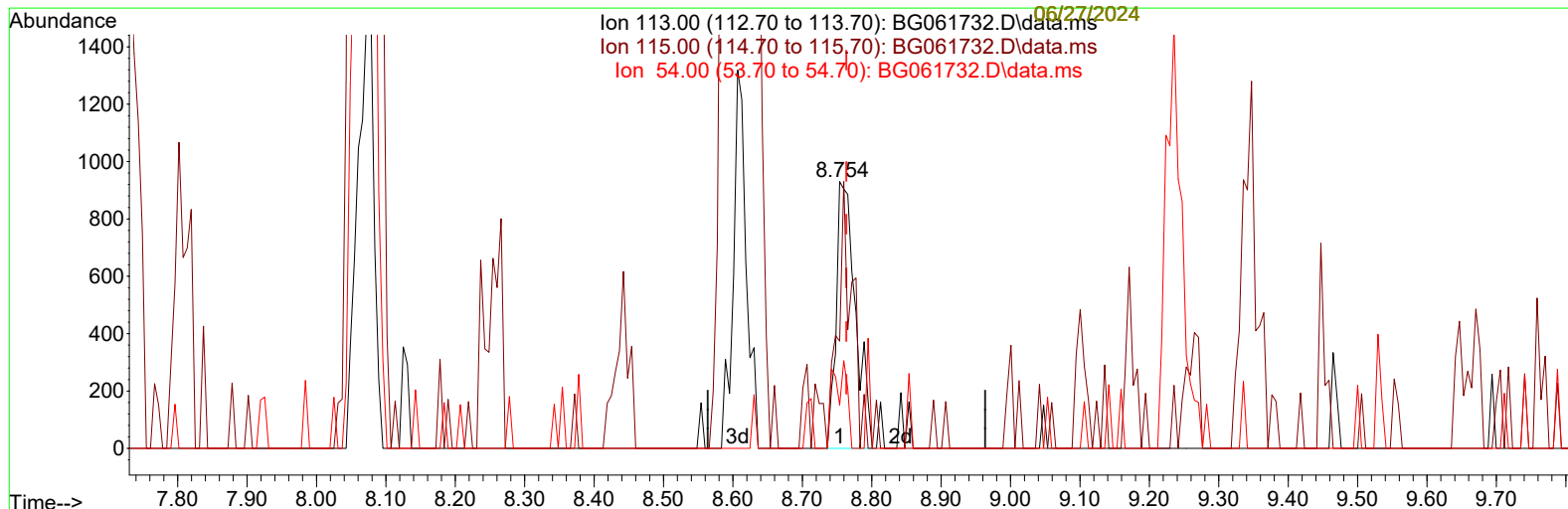
Manual IntegrationsAPPROVED

Quant Time: Jun 26 22:54:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 21 05:03:55 2024
Response via : Initial Calibration

Reviewed By :Yogesh
Patel
06/27/2024

Supervised By :mohammad
ahmed

06/27/2024



TIC: BG061732.D\data.ms

(15) 4-Methylphenol-d8 (S)

8.754min (-0.010) 0.37 ng/ul m

response 1793

Ion	Exp%	Act%
113.00	100.00	100.00
115.00	92.60	40.22#
54.00	17.20	16.24
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061732.D
Acq On : 26 Jun 2024 12:51
Operator : MA/JU
Sample : P2873-09DL2 50X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0SJ9DL2

Manual IntegrationsAPPROVED

Quant Time: Jun 26 13:24:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 21 05:03:55 2024
Response via : Initial Calibration

Reviewed By :Yogesh

Patel

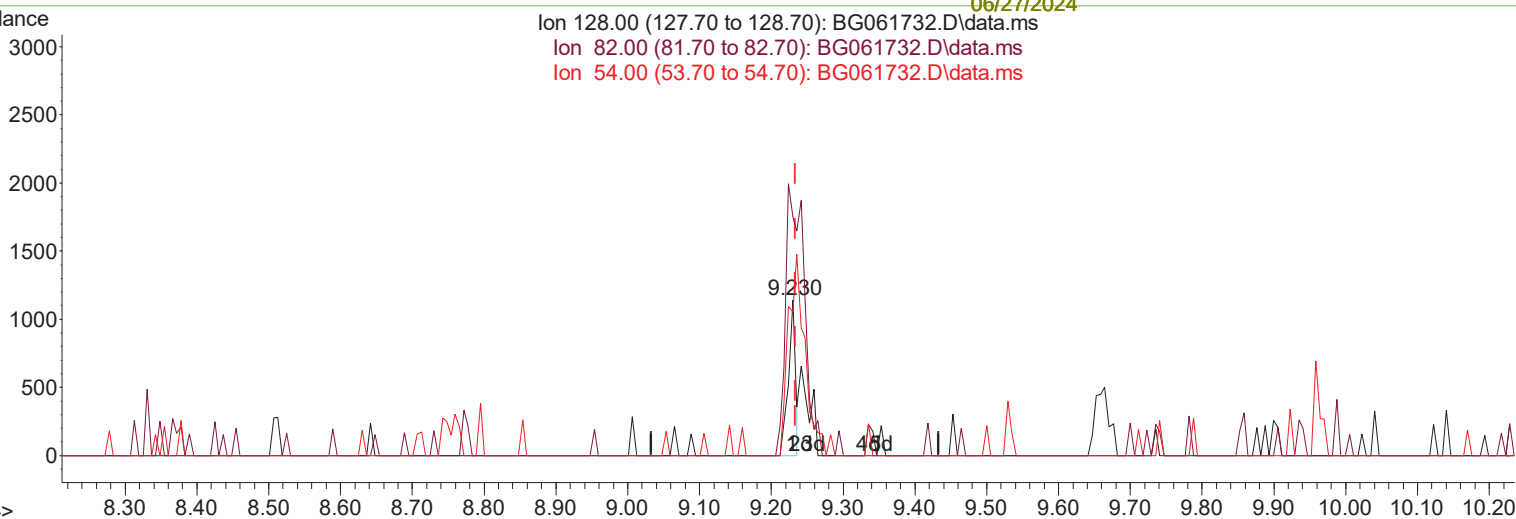
06/27/2024

Supervised By :mohammad

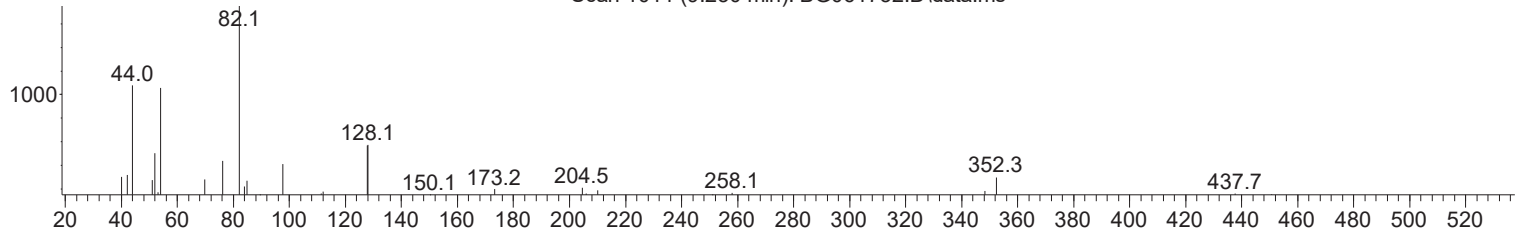
ahmed

06/27/2024

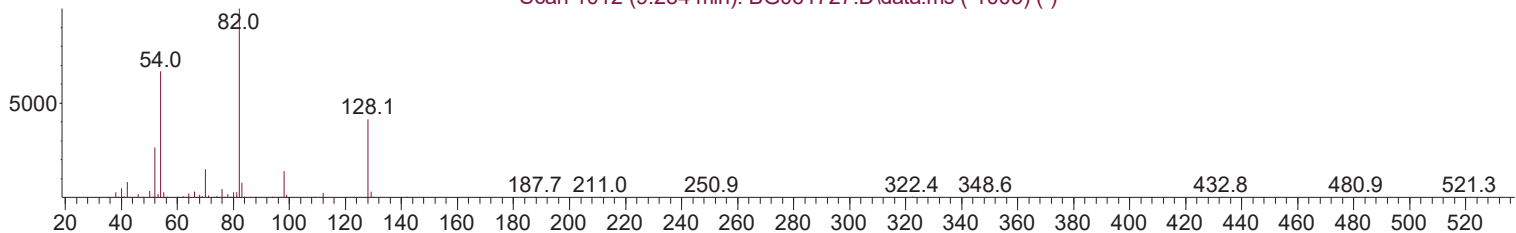
Ion 128.00 (127.70 to 128.70): BG061732.D\data.ms
Ion 82.00 (81.70 to 82.70): BG061732.D\data.ms
Ion 54.00 (53.70 to 54.70): BG061732.D\data.ms



Scan 1011 (9.230 min): BG061732.D\data.ms



Scan 1012 (9.234 min): BG061727.D\data.ms (-1005) (-)



TIC: BG061732.D\data.ms

(21) Nitrobenzene-d5 (S)

9.230min (-0.004) 0.40 ng/u1

response 798

Ion	Exp%	Act%
128.00	100.00	100.00
82.00	285.60	153.24#
54.00	183.60	92.38#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
 Data File : BG061732.D
 Acq On : 26 Jun 2024 12:51
 Operator : MA/JU
 Sample : P2873-09DL2 50X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0SJ9DL2

Manual IntegrationsAPPROVED

Quant Time: Jun 26 13:24:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 21 05:03:55 2024
 Response via : Initial Calibration

Reviewed By :Yogesh

Patel

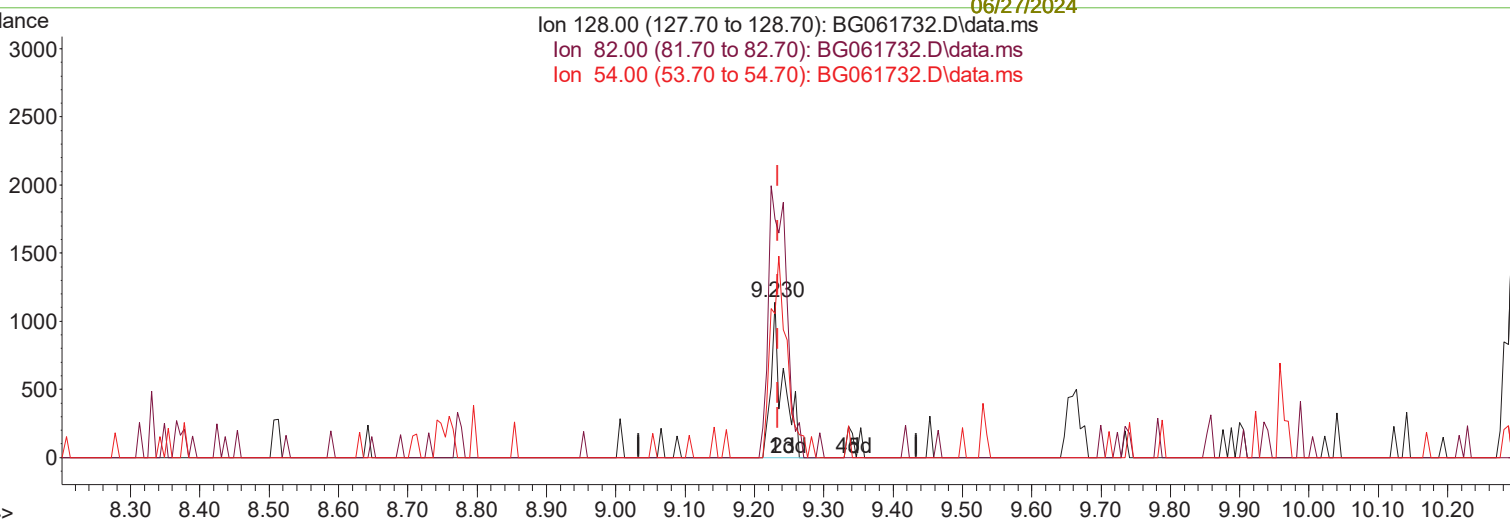
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Supervised By :mohammad

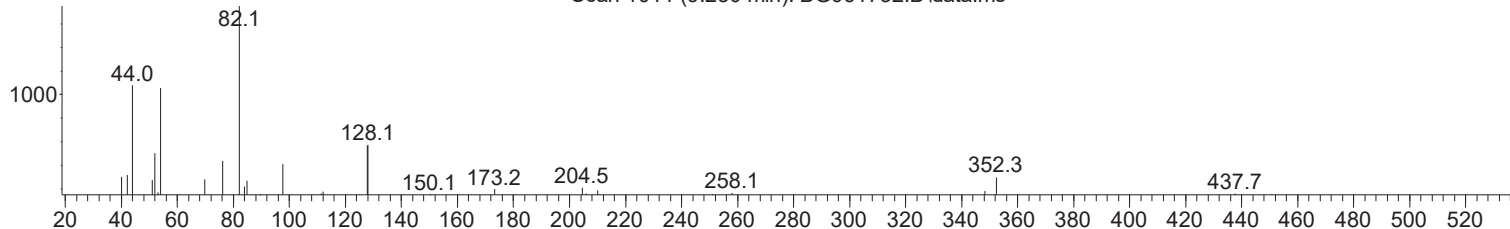
ahmed

06/27/2024

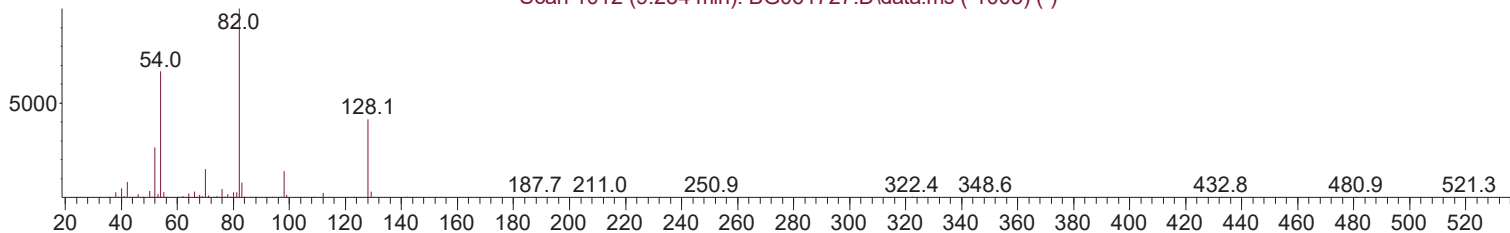
Ion 128.00 (127.70 to 128.70): BG061732.D\data.ms
 Ion 82.00 (81.70 to 82.70): BG061732.D\data.ms
 Ion 54.00 (53.70 to 54.70): BG061732.D\data.ms



Scan 1011 (9.230 min): BG061732.D\data.ms



Scan 1012 (9.234 min): BG061727.D\data.ms (-1005) (-)



TIC: BG061732.D\data.ms

(21) Nitrobenzene-d5 (S)

9.230min (-0.004) 0.72 ng/ul m

response 1444

Ion	Exp%	Act%
128.00	100.00	100.00
82.00	285.60	303.82
54.00	183.60	183.16
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061732.D
Acq On : 26 Jun 2024 12:51
Operator : MA/JU
Sample : P2873-09DL2 50X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0SJ9DL2

Manual IntegrationsAPPROVED

Quant Time: Jun 26 13:24:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 21 05:03:55 2024
Response via : Initial Calibration

Reviewed By :Yogesh

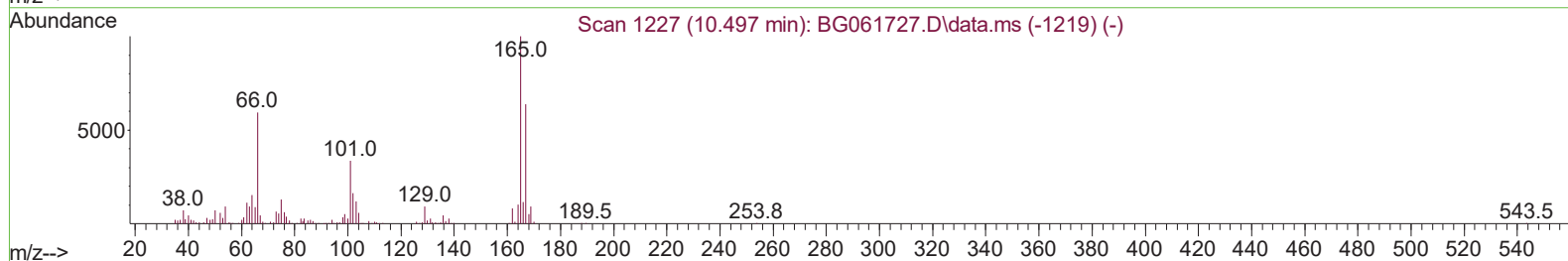
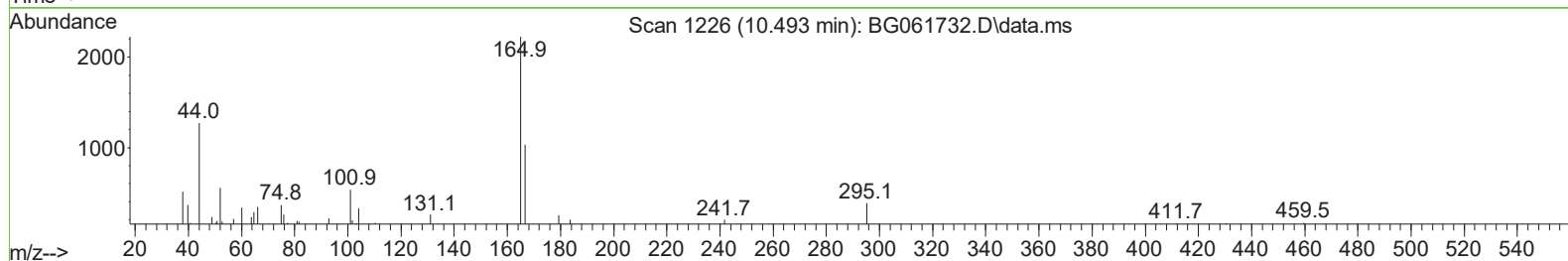
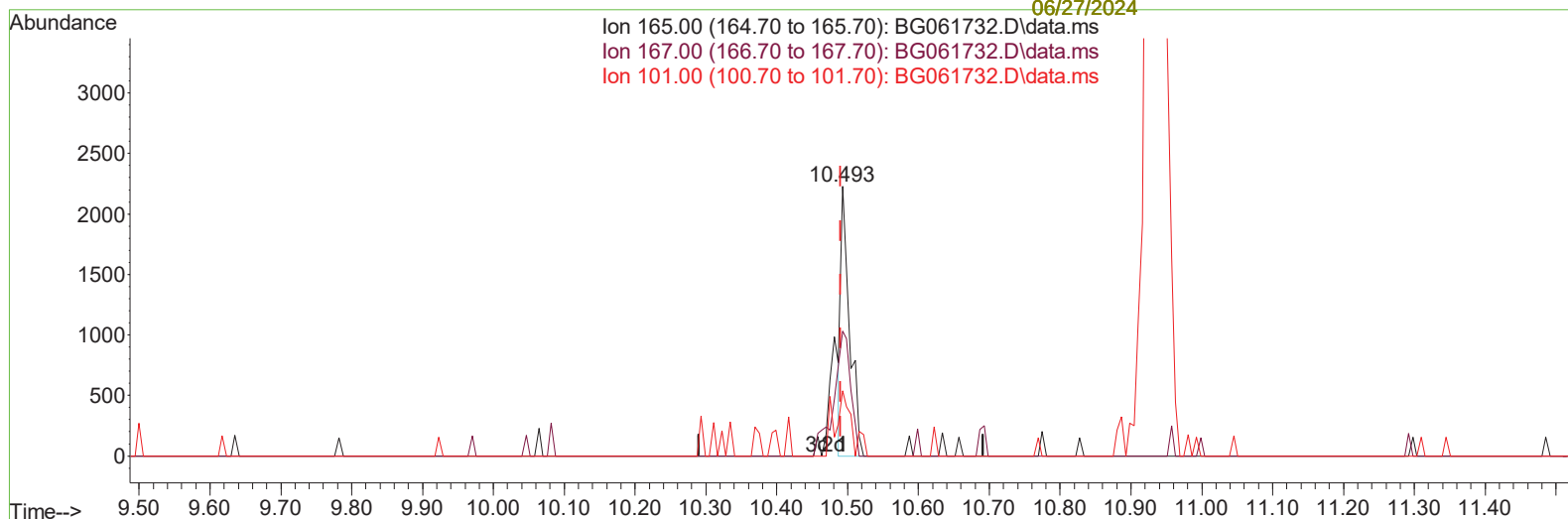
Patel

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Supervised By :mohammad

ahmed

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TIC: BG061732.D\data.ms

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

10.493min (+ 0.002) 0.40 ng/ul

response 1920

Ion	Exp%	Act%
165.00	100.00	100.00
167.00	57.80	46.30
101.00	35.50	32.73
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061732.D
Acq On : 26 Jun 2024 12:51
Operator : MA/JU
Sample : P2873-09DL2 50X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0SJ9DL2

Manual IntegrationsAPPROVED

Quant Time: Jun 26 13:24:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 21 05:03:55 2024
Response via : Initial Calibration

Reviewed By :Yogesh

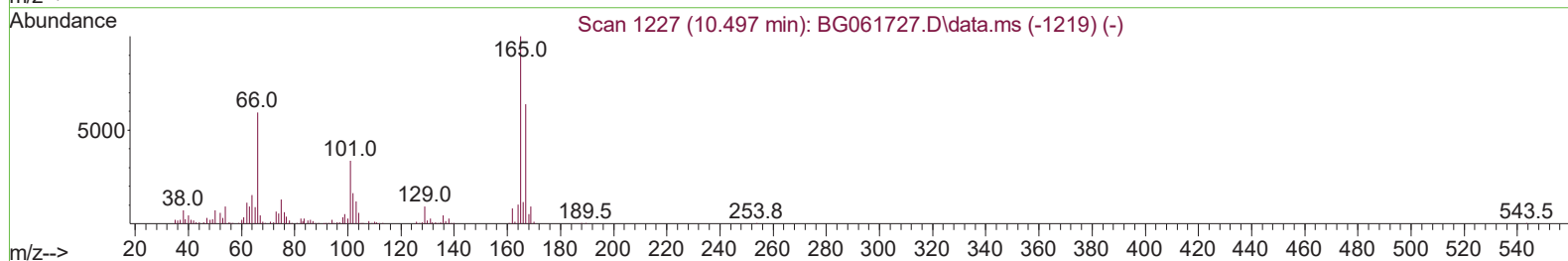
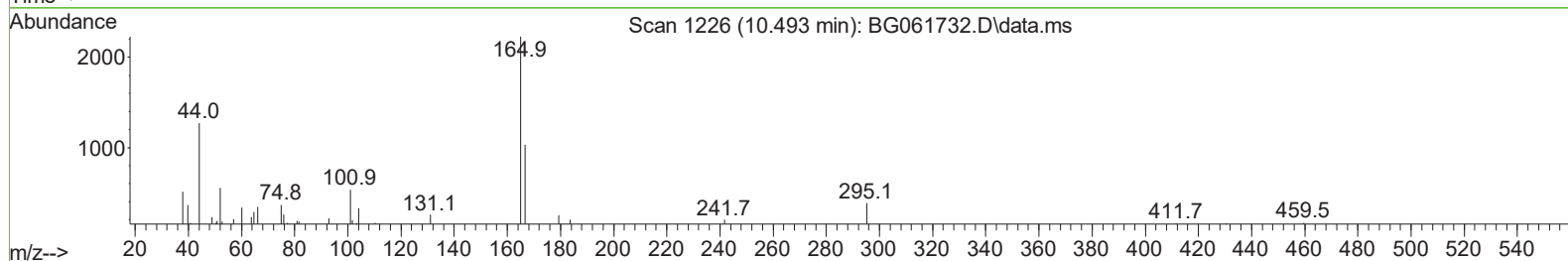
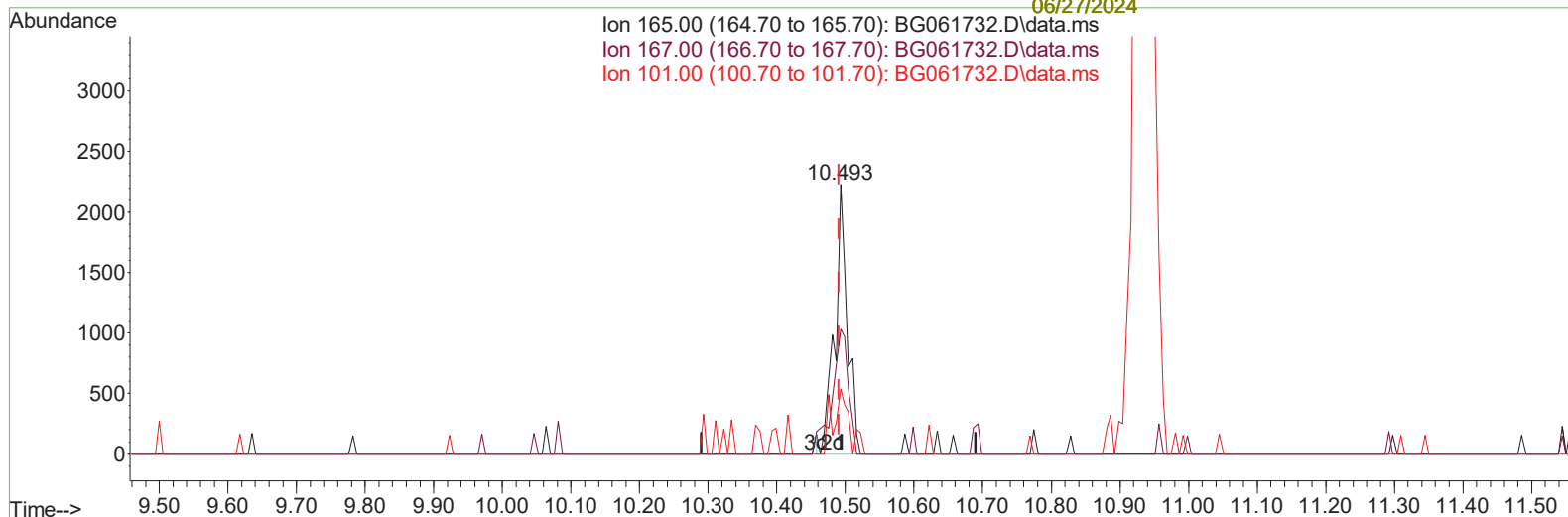
Patel

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Supervised By :mohammad

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TIC: BG061732.D\data.ms

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

10.493min (+ 0.002) 0.59 ng/ul m

response 2822

Ion	Exp%	Act%
165.00	100.00	100.00
167.00	57.80	46.30
101.00	35.50	24.07#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
 Data File : BG061732.D
 Acq On : 26 Jun 2024 12:51
 Operator : MA/JU
 Sample : P2873-09DL2 50X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0SJ9DL2

Manual IntegrationsAPPROVED

Quant Time: Jun 26 13:24:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 21 05:03:55 2024
 Response via : Initial Calibration

Reviewed By :Yogesh

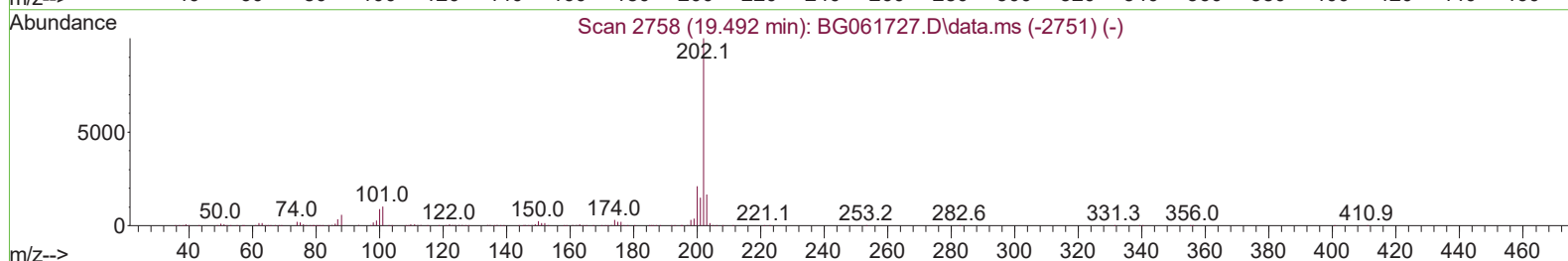
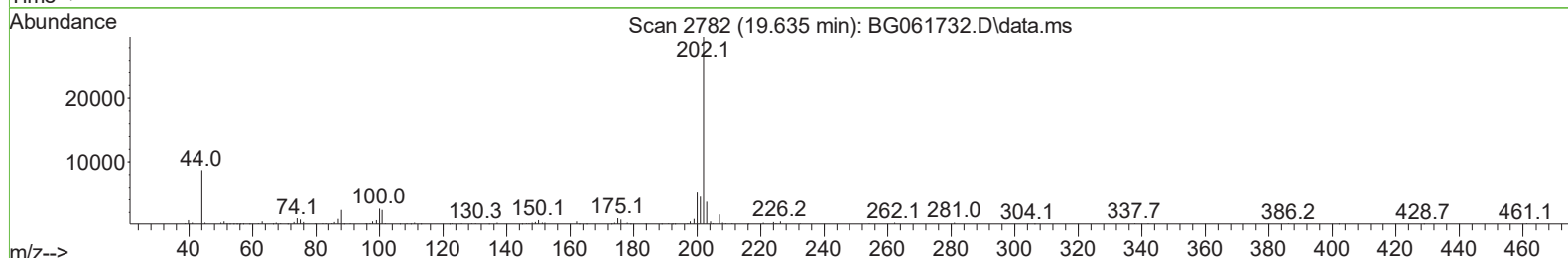
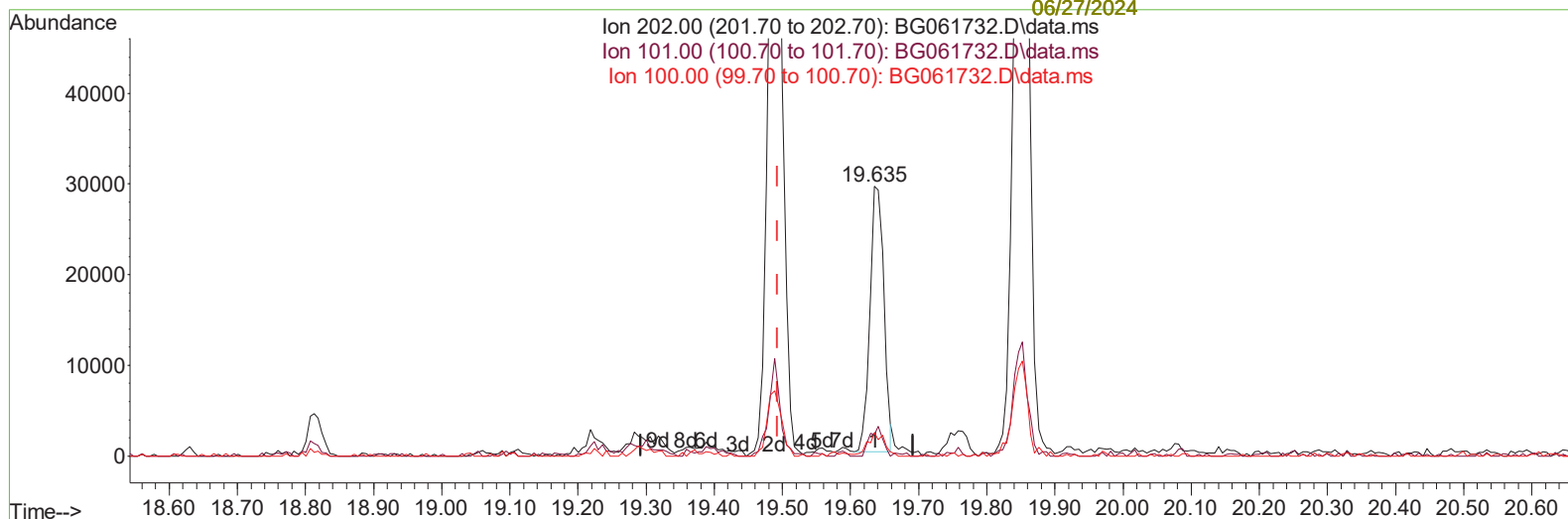
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TIC: BG061732.D\data.ms

(80) Fluoranthene

19.635min (+ 0.143) 1.64 ng/u1

response 41979

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	9.70	8.02
100.00	9.60	8.62
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
 Data File : BG061732.D
 Acq On : 26 Jun 2024 12:51
 Operator : MA/JU
 Sample : P2873-09DL2 50X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0SJ9DL2

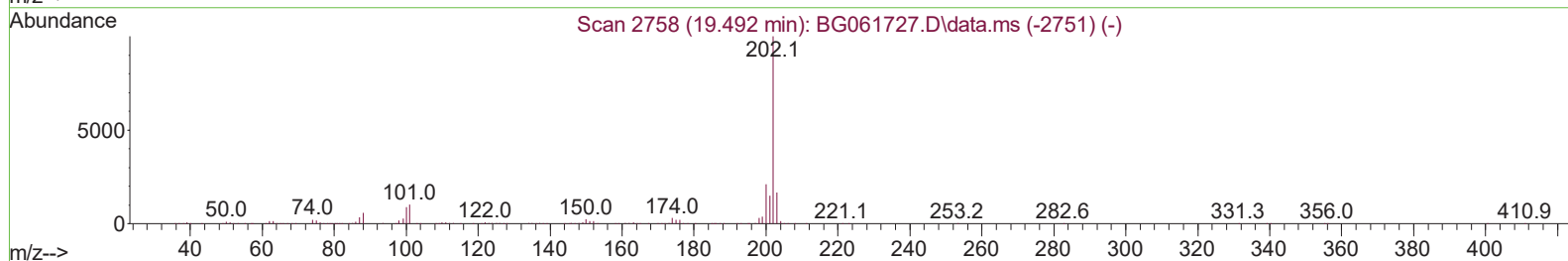
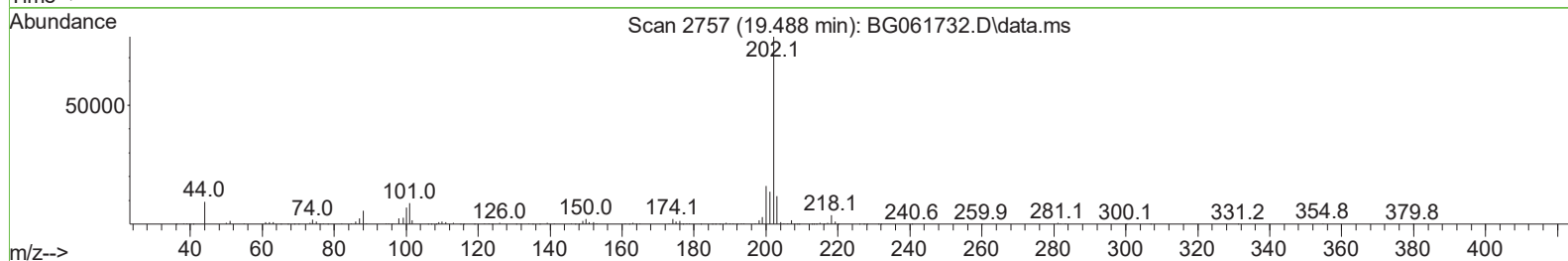
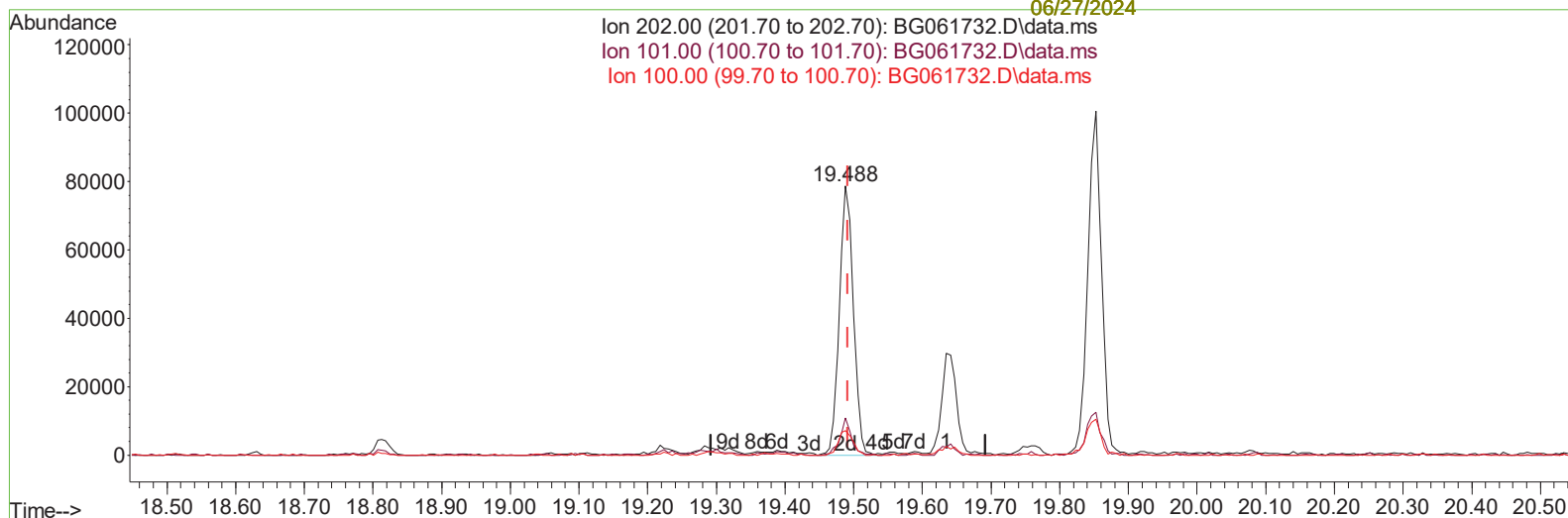
Manual IntegrationsAPPROVED

Quant Time: Jun 26 13:24:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 21 05:03:55 2024
 Response via : Initial Calibration

Reviewed By :Yogesh
 Patel
 06/27/2024

Supervised By :mohammad
 ahmed
 06/27/2024

Ion 202.00 (201.70 to 202.70): BG061732.D\data.ms
 Ion 101.00 (100.70 to 101.70): BG061732.D\data.ms
 Ion 100.00 (99.70 to 100.70): BG061732.D\data.ms



TIC: BG061732.D\data.ms

(80) Fluoranthene

19.488min (-0.004) 4.35 ng/ul m

response 111425

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	9.70	11.44
100.00	9.60	9.16
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061732.D
Acq On : 26 Jun 2024 12:51
Operator : MA/JU
Sample : P2873-09DL2 50X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0SJ9DL2

Manual IntegrationsAPPROVED

Quant Time: Jun 26 13:24:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 21 05:03:55 2024
Response via : Initial Calibration

Reviewed By :Yogesh

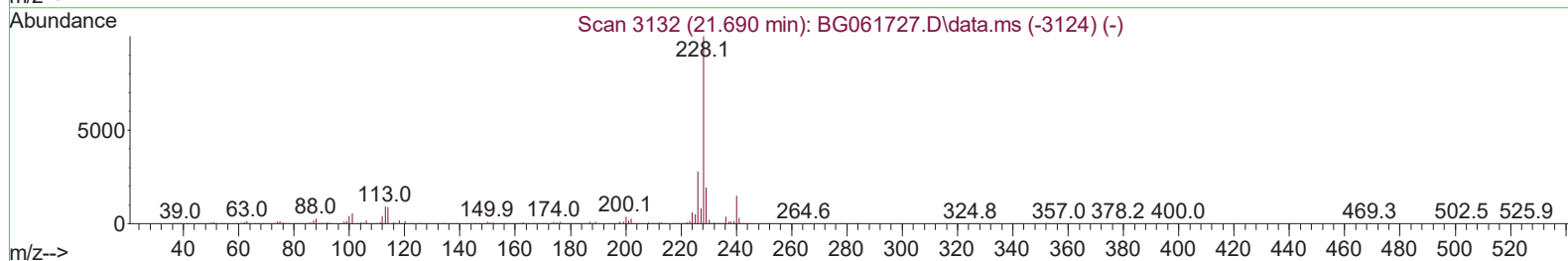
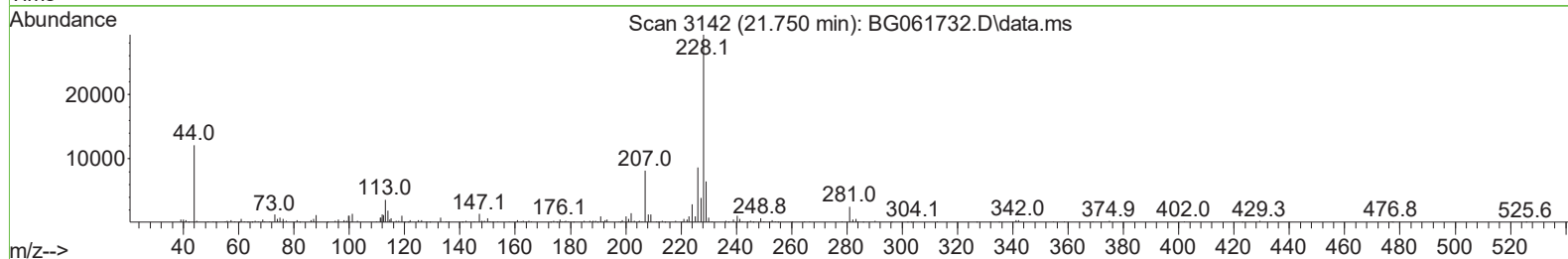
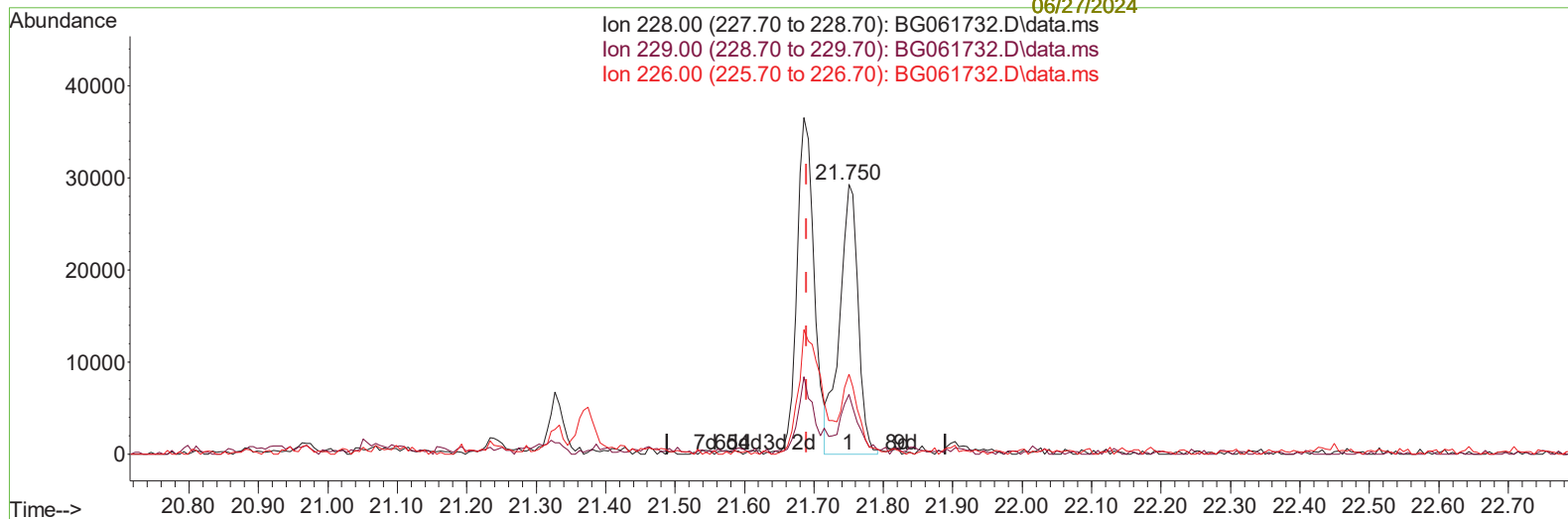
Patel

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Supervised By :mohammad

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TIC: BG061732.D\data.ms

(85) Benzo(a)anthracene

21.750min (+ 0.060) 1.95 ng/u1

response 54163

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.80	22.04
226.00	26.80	29.51
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
 Data File : BG061732.D
 Acq On : 26 Jun 2024 12:51
 Operator : MA/JU
 Sample : P2873-09DL2 50X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0SJ9DL2

Manual IntegrationsAPPROVED

Quant Time: Jun 26 13:24:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 21 05:03:55 2024
 Response via : Initial Calibration

Reviewed By :Yogesh

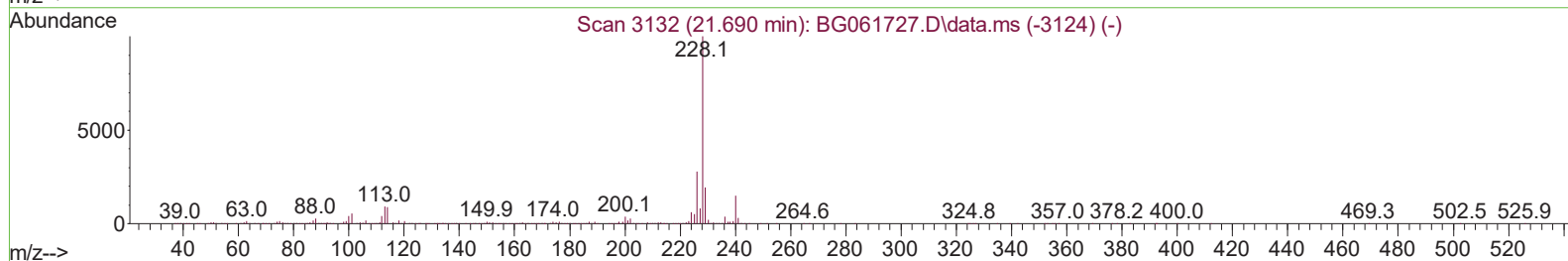
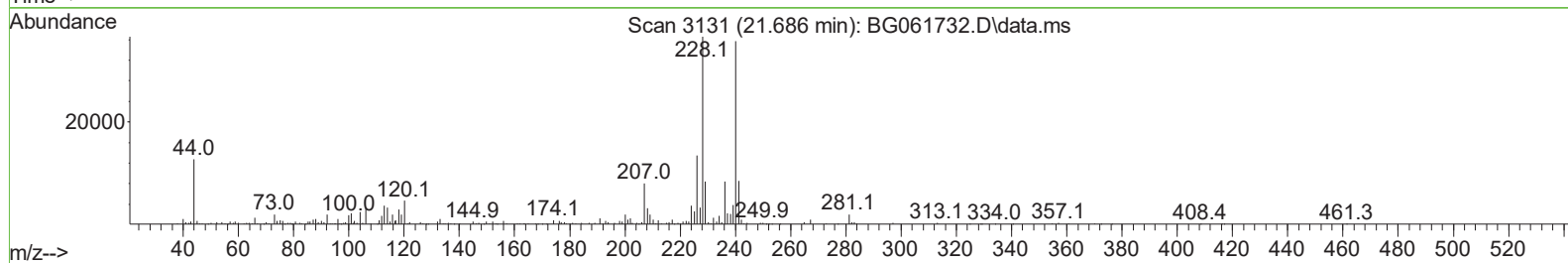
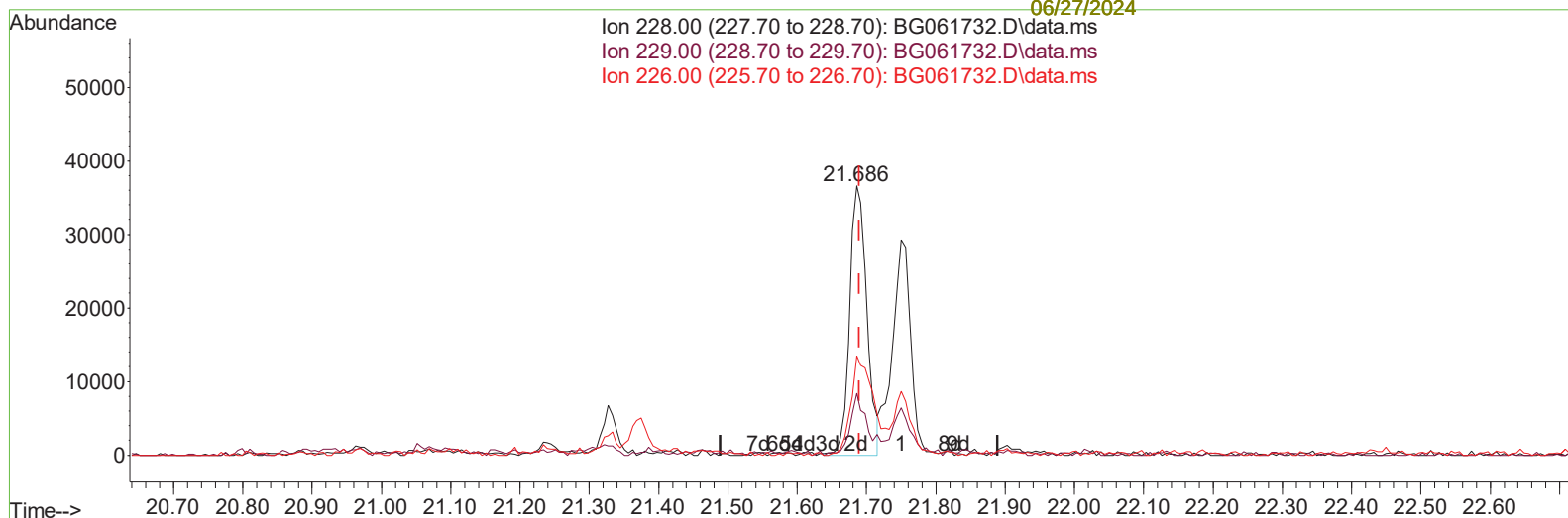
Patel

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Supervised By :mohammad

ahmed

06/27/2024



TIC: BG061732.D\data.ms

(85) Benzo(a)anthracene

21.686min (-0.004) 2.27 ng/ul m

response 63020

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.80	23.03
226.00	26.80	37.01#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061732.D
Acq On : 26 Jun 2024 12:51
Operator : MA/JU
Sample : P2873-09DL2 50X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0SJ9DL2

Manual IntegrationsAPPROVED

Quant Time: Jun 26 13:24:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 21 05:03:55 2024
Response via : Initial Calibration

Reviewed By :Yogesh

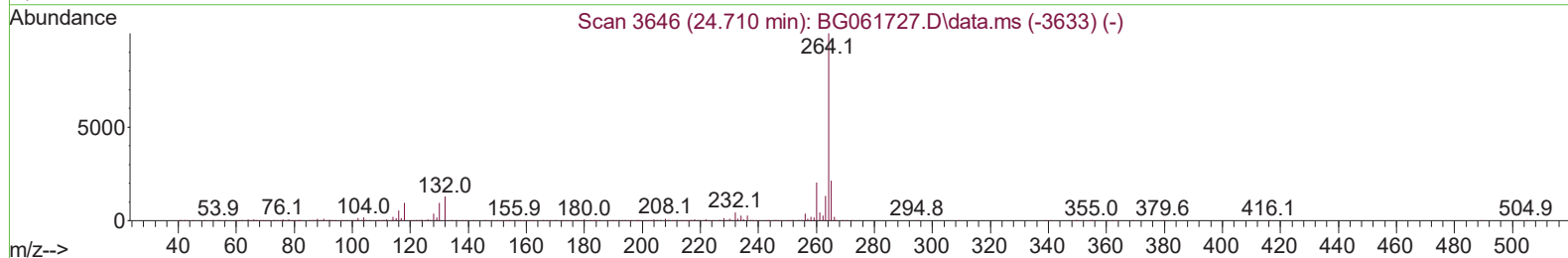
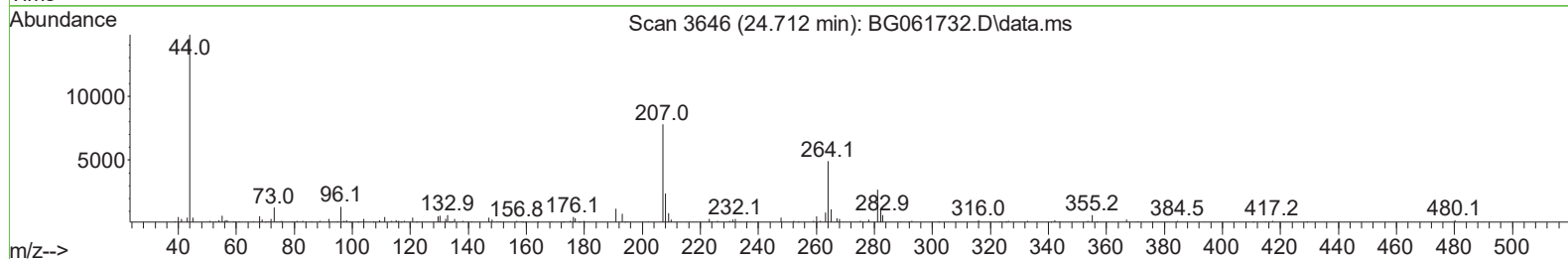
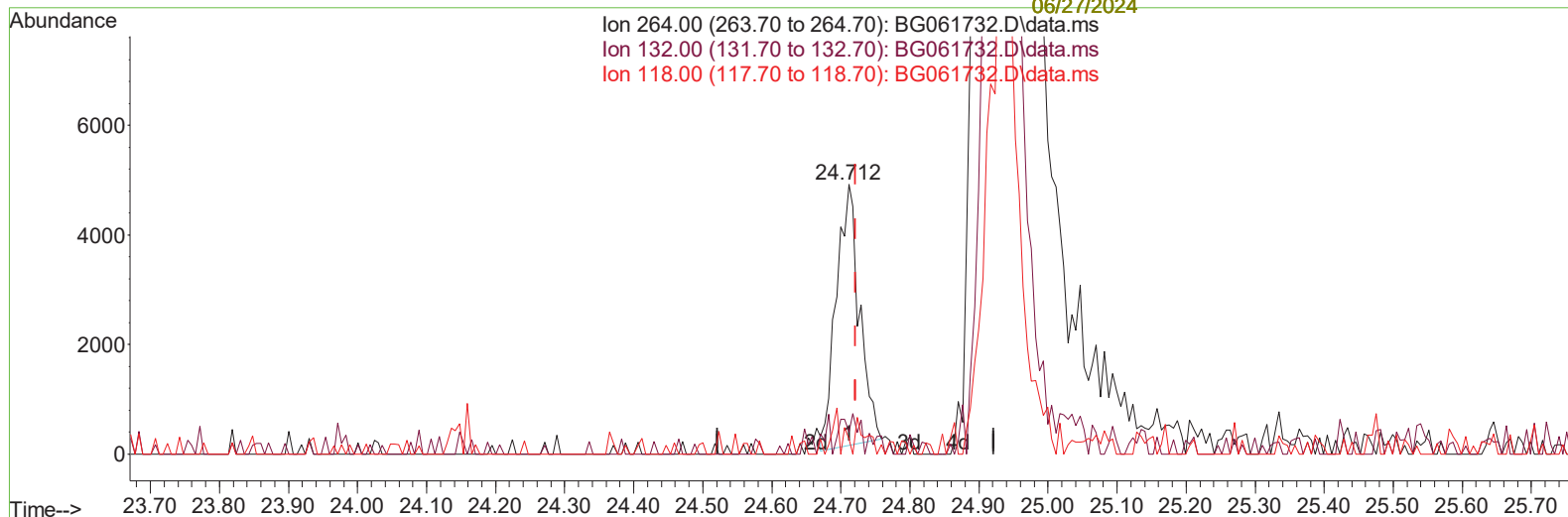
Patel

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Supervised By :mohammad

ahmed

06/27/2024



TIC: BG061732.D\data.ms

(92) Benzo(a)pyrene-d12 (S)

24.712min (-0.010) 0.49 ng/u1

response 11098

Ion	Exp%	Act%
264.00	100.00	100.00
132.00	14.20	8.23#
118.00	10.00	5.59#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061732.D
Acq On : 26 Jun 2024 12:51
Operator : MA/JU
Sample : P2873-09DL2 50X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0SJ9DL2

Manual IntegrationsAPPROVED

Quant Time: Jun 26 13:24:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 21 05:03:55 2024
Response via : Initial Calibration

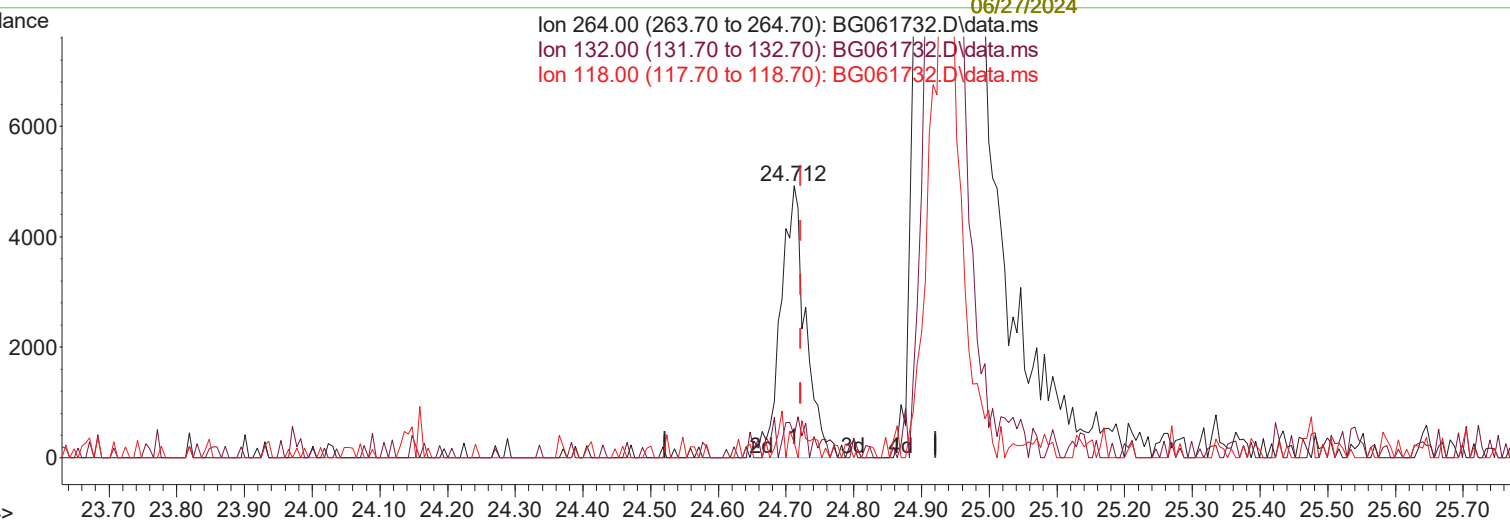
Reviewed By :Yogesh
Patel

06/27/2024

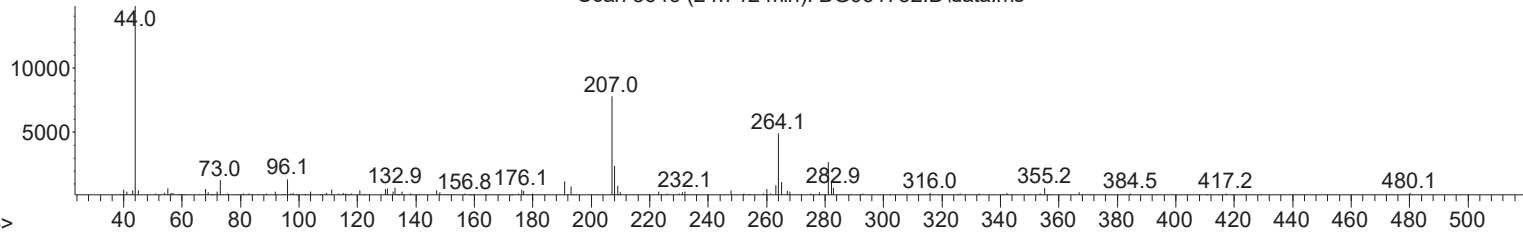
Supervised By :mohammad
ahmed

06/27/2024

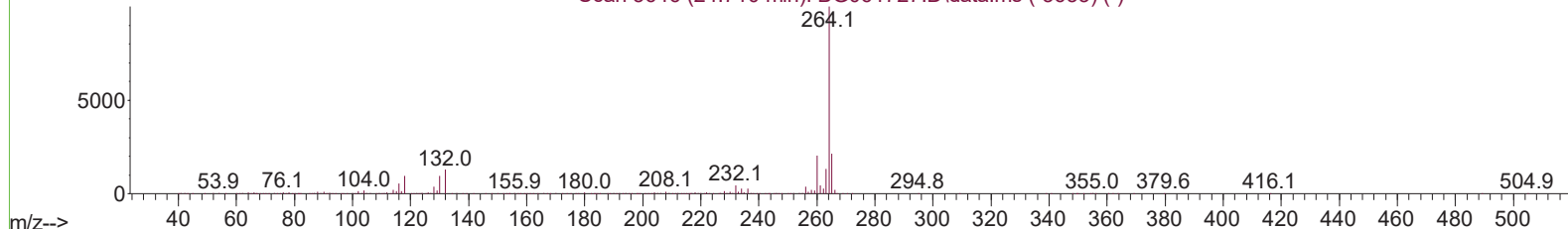
Ion 264.00 (263.70 to 264.70): BG061732.D\data.ms
Ion 132.00 (131.70 to 132.70): BG061732.D\data.ms
Ion 118.00 (117.70 to 118.70): BG061732.D\data.ms



Scan 3646 (24.712 min): BG061732.D\data.ms



Scan 3646 (24.710 min): BG061727.D\data.ms (-3633) (-)



TIC: BG061732.D\data.ms

(92) Benzo(a)pyrene-d12 (S)

24.712min (-0.010) 0.56 ng/u1 m

response 12699

Ion	Exp%	Act%
264.00	100.00	100.00
132.00	14.20	8.23#
118.00	10.00	5.59#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
 Data File : BG061732.D
 Acq On : 26 Jun 2024 12:51
 Operator : MA/JU
 Sample : P2873-09DL2 50X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0SJ9DL2

Manual IntegrationsAPPROVED

Reviewed By :Yogesh
 Patel
 06/27/2024

Supervised By :mohammad
 ahmed
 06/27/2024

Quant Time: Jun 26 22:54:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 21 05:03:55 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.072	152	58203	20.000	ng/ul	0.00
20) Naphthalene-d8	10.887	136	293373	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.700	164	207383	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.444	188	458058	20.000	ng/ul	0.00
79) Chrysene-d12	21.703	240	395078	20.000	ng/ul	-0.01
88) Perylene-d12	24.935	264	478729	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	7.214	99	2782	0.440	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.391	67	1998	0.507	ng/ul	0.00
11) 2-Chlorophenol-d4	7.596	132	2209	0.509	ng/ul	0.00
15) 4-Methylphenol-d8	8.754	113	1793m	0.367	ng/ul	-0.01
21) Nitrobenzene-d5	9.230	128	1444m	0.725	ng/ul	0.00
24) 2-Nitrophenol-d4	9.958	143	1012	0.502	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.493	165	2822m	0.591	ng/ul	0.00
31) 4-Chloroaniline-d4	11.016	131	2033	0.281	ng/ul	0.00
46) Dimethylphthalate-d6	14.100	166	11216	0.703	ng/ul	-0.01
49) Acenaphthylene-d8	14.394	160	10432	0.596	ng/ul	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/ul	
60) Fluorene-d10	15.693	176	10046	0.719	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/ul	
73) Anthracene-d10	17.543	188	14991	0.717	ng/ul	0.00
81) Pyrene-d10	19.823	212	14566	0.660	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.712	264	12699m	0.555	ng/ul	-0.01
Target Compounds					Qvalue	
30) Naphthalene	10.934	128	550097	33.511	ng/ul	99
36) 2-Methylnaphthalene	12.538	142	154161	13.310	ng/ul	99
37) 1-Methylnaphthalene	12.749	142	84639	6.849	ng/ul#	96
43) 1,1'-Biphenyl	13.536	154	20101	1.338	ng/ul#	88
50) Acenaphthylene	14.424	152	108213	5.543	ng/ul	100
61) Fluorene	15.746	166	54859	3.504	ng/ul	91
72) Phenanthrene	17.485	178	293192	12.167	ng/ul	97
74) Anthracene	17.573	178	72288	2.933	ng/ul	98
80) Fluoranthene	19.488	202	111425m	4.352	ng/ul	
82) Pyrene	19.853	202	138192	5.076	ng/ul	97
85) Benzo(a)anthracene	21.686	228	63020m	2.272	ng/ul	
87) Chrysene	21.750	228	52981	2.019	ng/ul	98
93) Benzo(a)pyrene	24.770	252	28490	1.028	ng/ul#	93

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061732.D
Acq On : 26 Jun 2024 12:51
Operator : MA/JU
Sample : P2873-09DL2 50X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0SJ9DL2

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh
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06/27/2024

