

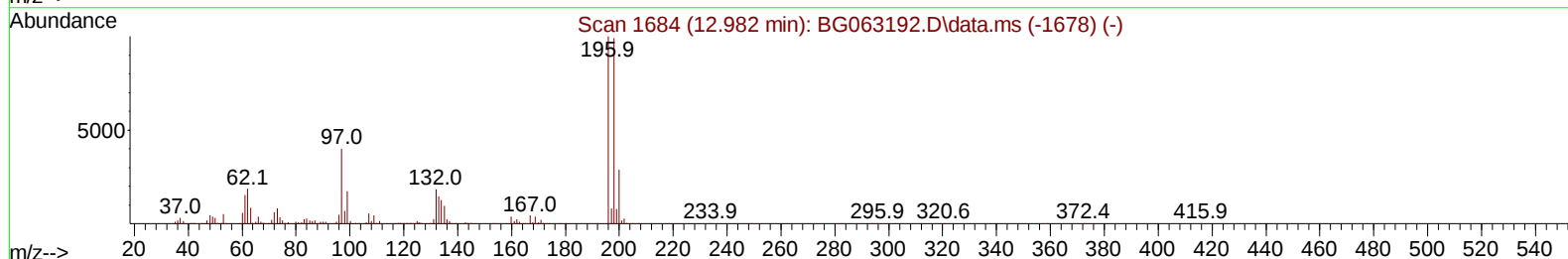
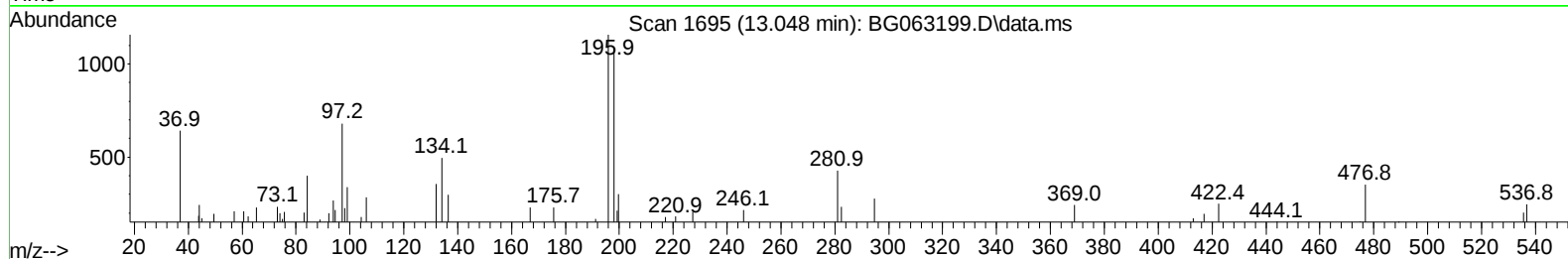
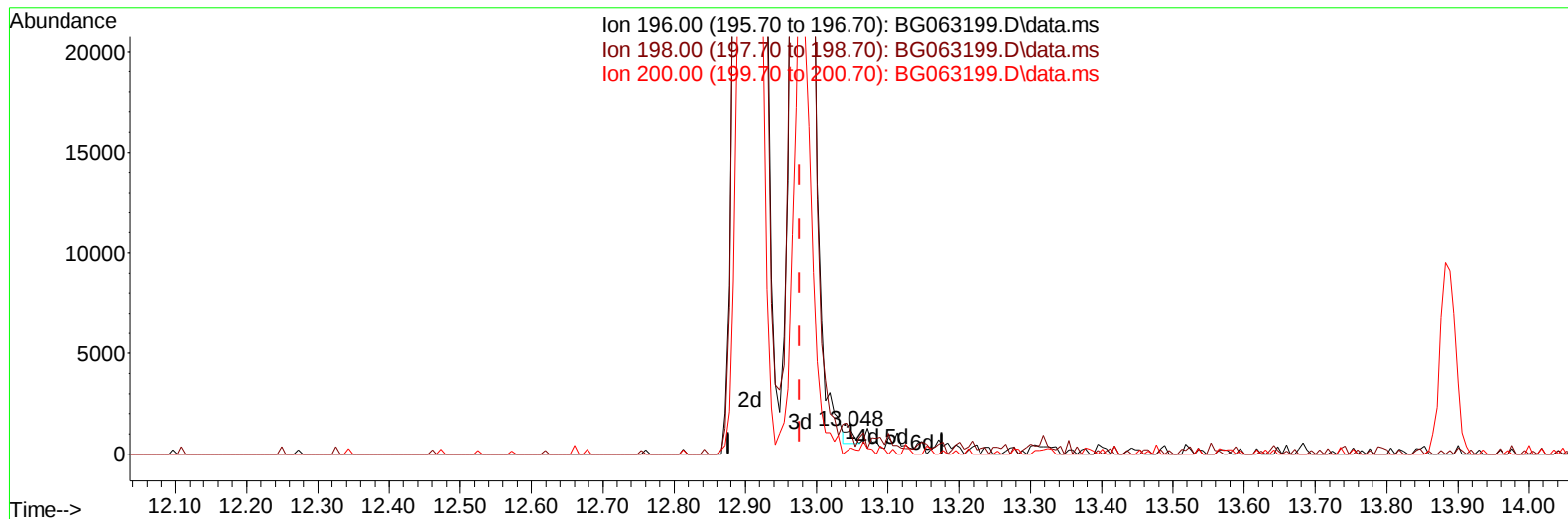
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110624\
Data File : BG063199.D
Acq On : 7 Nov 2024 12:34
Operator : RC/JU
Sample : P4585-02DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4EA7DL

Manual IntegrationsAPPROVED

Quant Time: Nov 07 12:08:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 06 15:45:52 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



TIC: BG063199.D\data.ms

(42) 2,4,5-Trichlorophenol

13.048min (+ 0.072) 0.07 ng/u1

response 511

Ion	Exp%	Act%
196.00	100.00	100.00
198.00	92.50	93.86
200.00	28.60	26.02
0.00	0.00	0.00

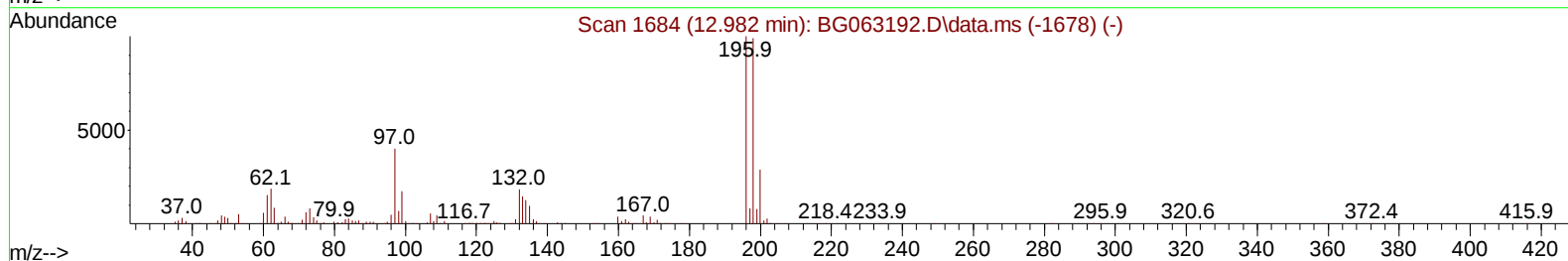
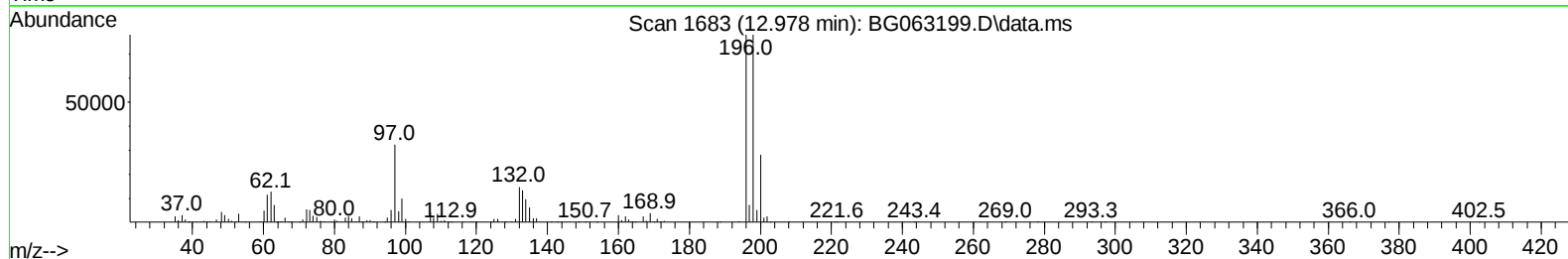
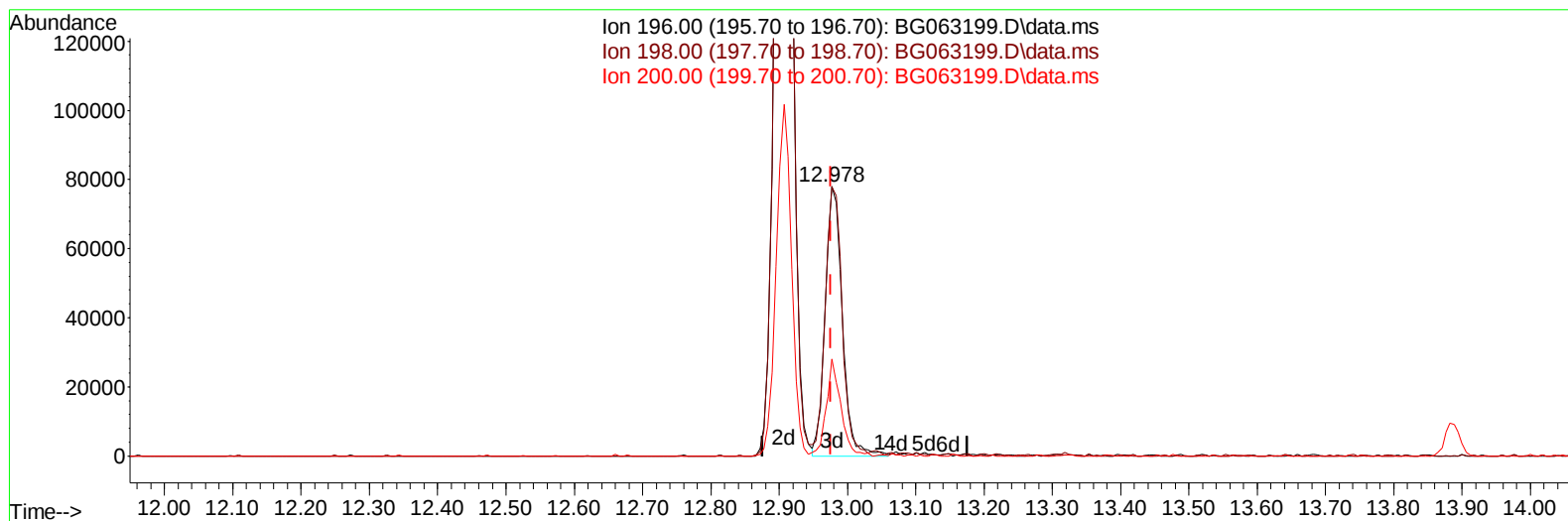
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110624\
Data File : BG063199.D
Acq On : 7 Nov 2024 12:34
Operator : RC/JU
Sample : P4585-02DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4EA7DL

Manual IntegrationsAPPROVED

Quant Time: Nov 07 12:08:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 06 15:45:52 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



TIC: BG063199.D\data.ms

(42) 2,4,5-Trichlorophenol

12.978min (+ 0.001) 19.07 ng/ul m

response 136740

Ion	Exp%	Act%
196.00	100.00	100.00
198.00	92.50	99.86
200.00	28.60	35.91#
0.00	0.00	0.00

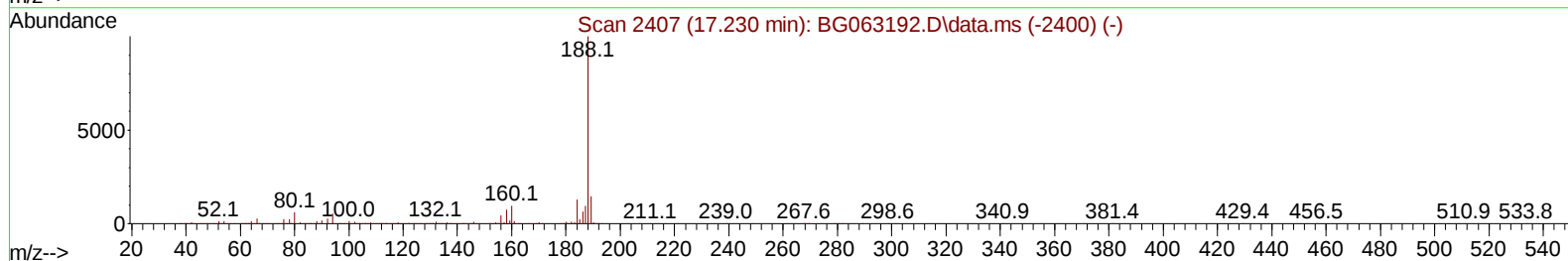
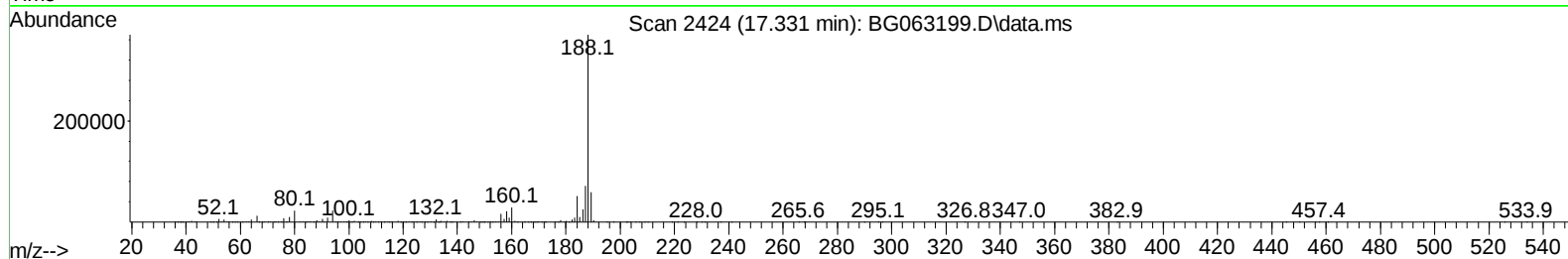
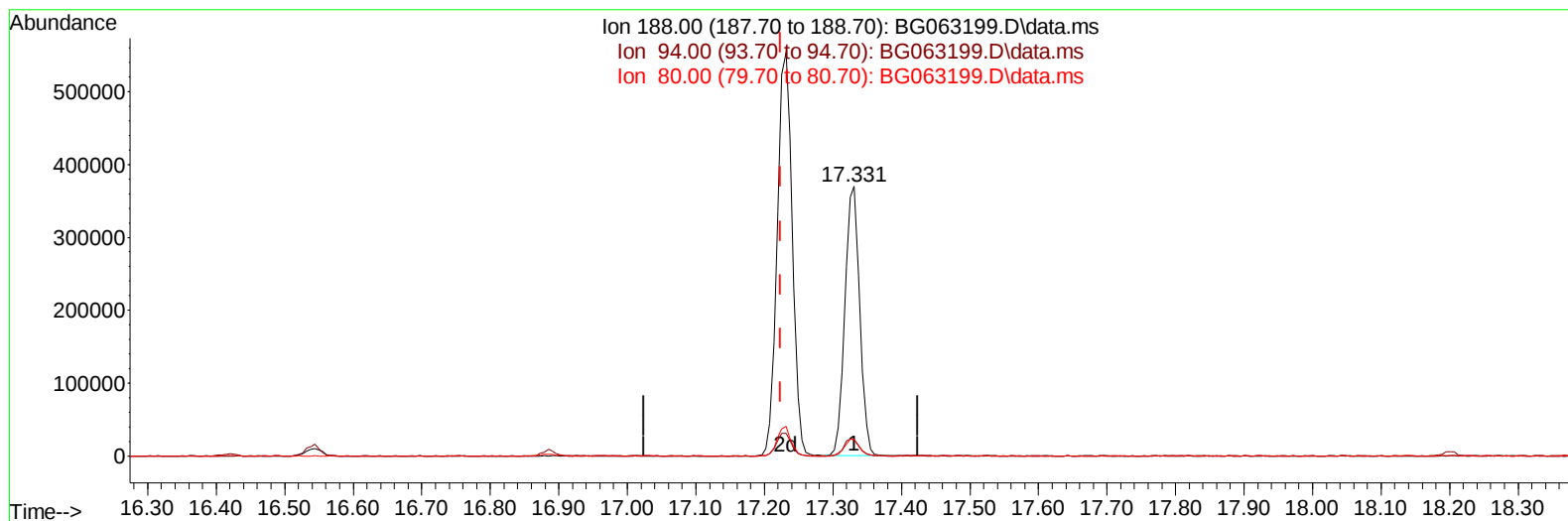
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110624\
Data File : BG063199.D
Acq On : 7 Nov 2024 12:34
Operator : RC/JU
Sample : P4585-02DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4EA7DL

Manual IntegrationsAPPROVED

Quant Time: Nov 07 12:08:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 06 15:45:52 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



TIC: BG063199.D\data.ms

(64) Phenanthrene-d10 (I)

17.331min (+ 0.107) 20.00 ng/u1

response 550718

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	5.50	6.05
80.00	6.10	6.29
0.00	0.00	0.00

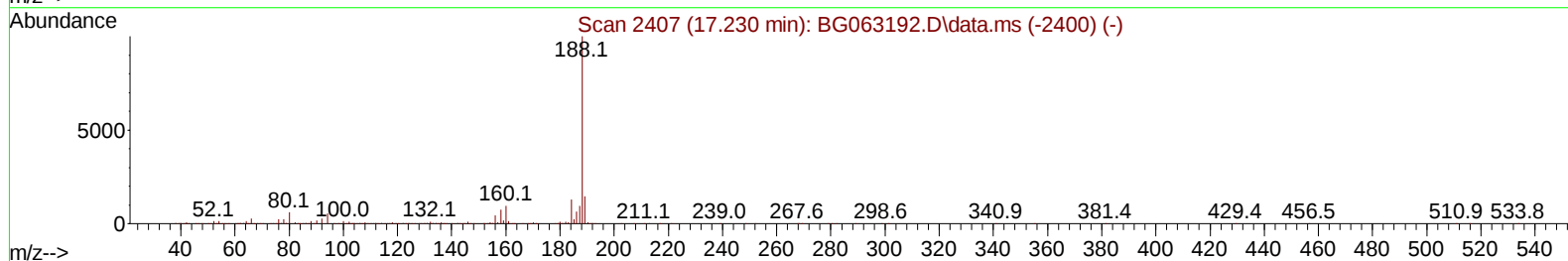
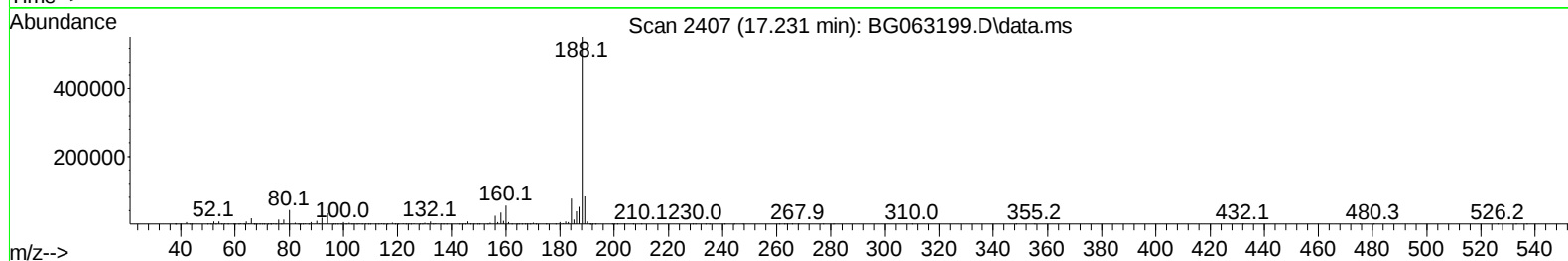
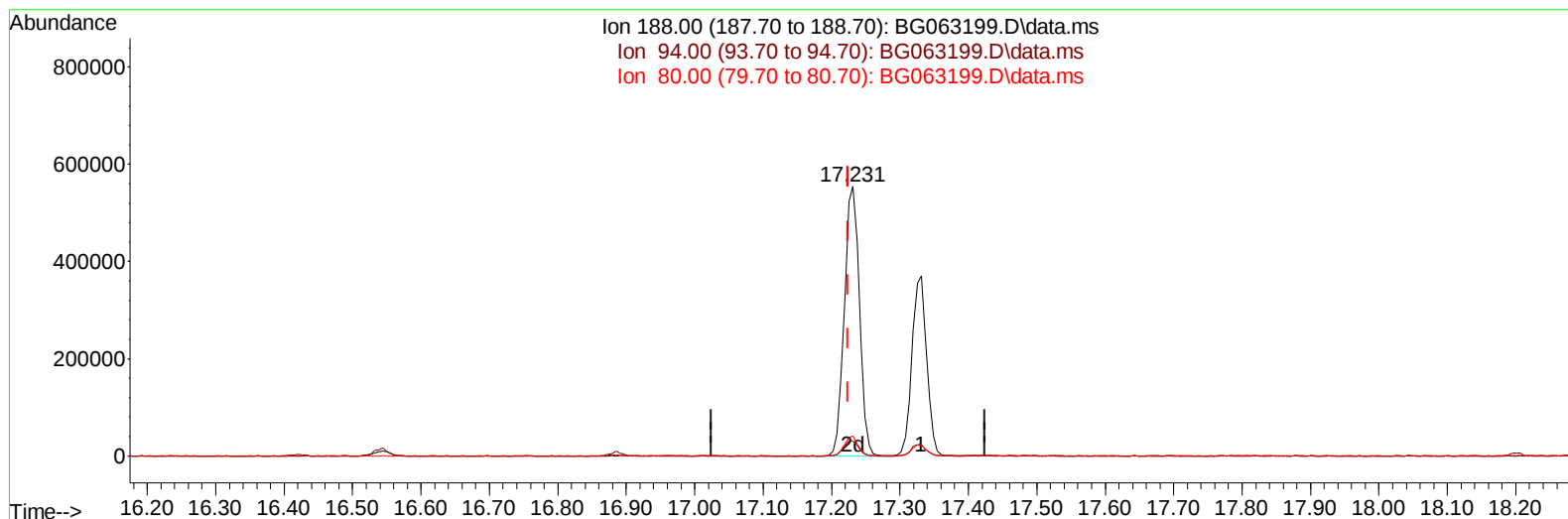
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110624\
Data File : BG063199.D
Acq On : 7 Nov 2024 12:34
Operator : RC/JU
Sample : P4585-02DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4EA7DL

Manual IntegrationsAPPROVED

Quant Time: Nov 07 12:08:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 06 15:45:52 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



TIC: BG063199.D\data.ms

(64) Phenanthrene-d10 (I)

17.231min (+ 0.007) 20.00 ng/ul m

response 849097

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	5.50	5.64
80.00	6.10	7.35#
0.00	0.00	0.00

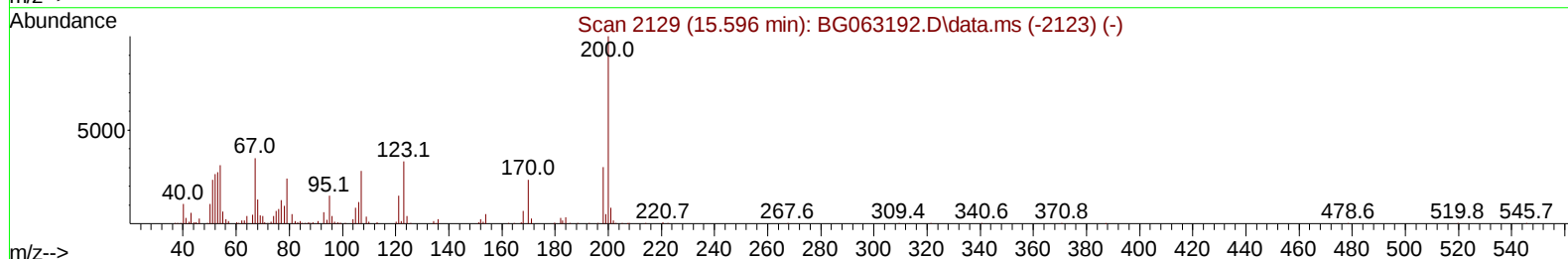
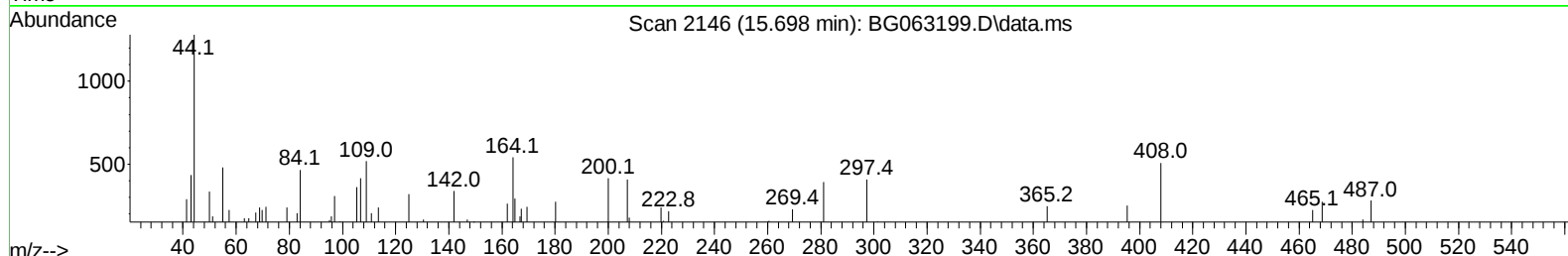
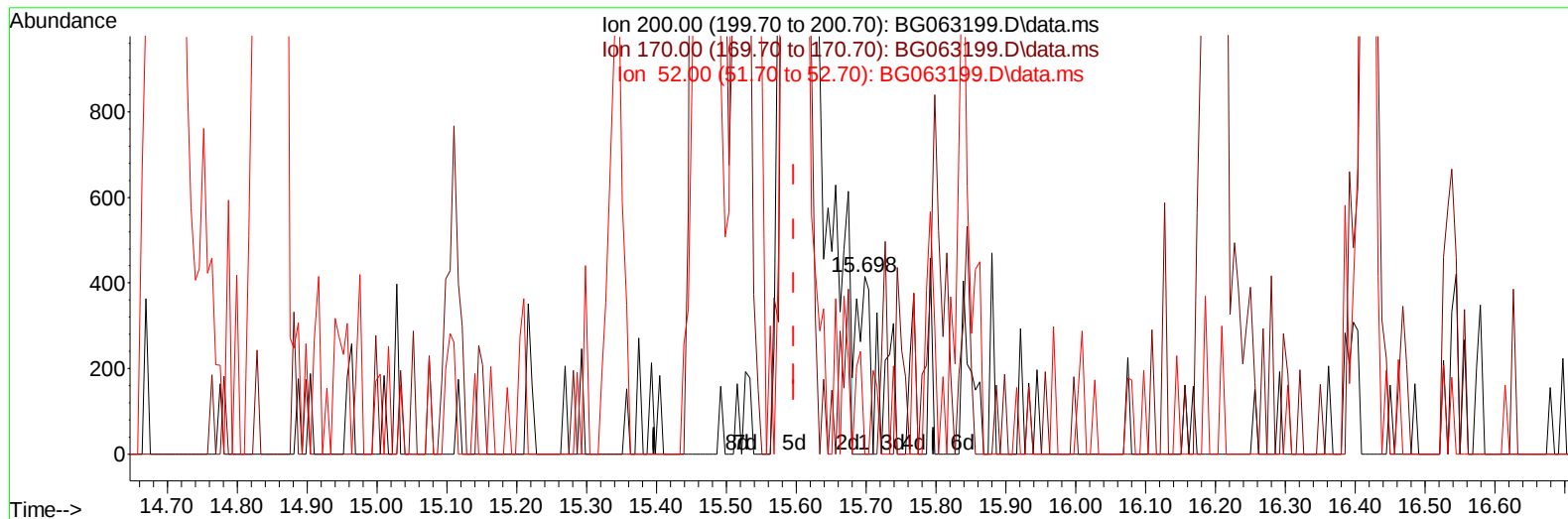
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110624\
 Data File : BG063199.D
 Acq On : 7 Nov 2024 12:34
 Operator : RC/JU
 Sample : P4585-02DL 5X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4EA7DL

Manual IntegrationsAPPROVED

Quant Time: Nov 07 12:10:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110624.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 06 15:45:52 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/08/2024
 Supervised By :mohammad ahmed 11/11/2024



TIC: BG063199.D\data.ms

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

15.698min (+ 0.101) 0.09 ng/u1

response 502

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	22.10	0.00#
52.00	29.70	0.00#
0.00	0.00	0.00

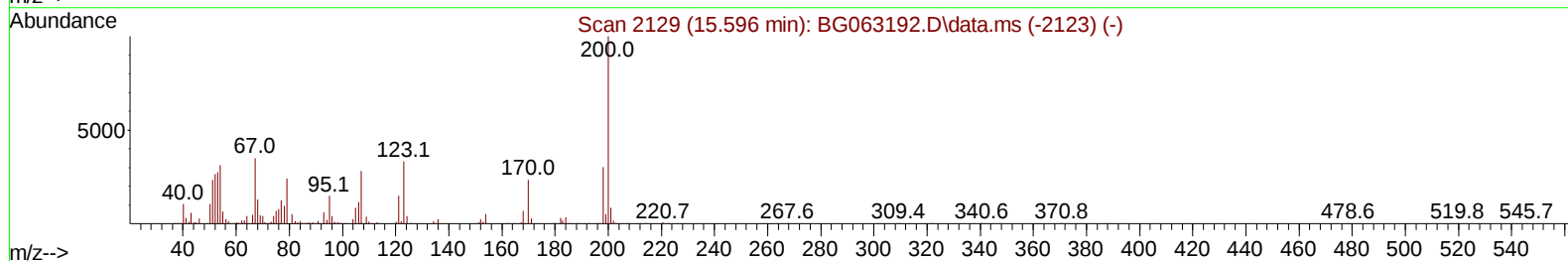
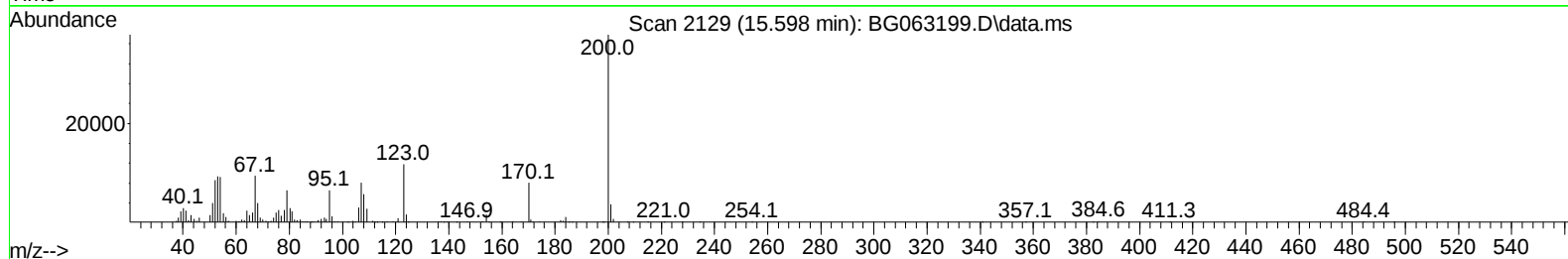
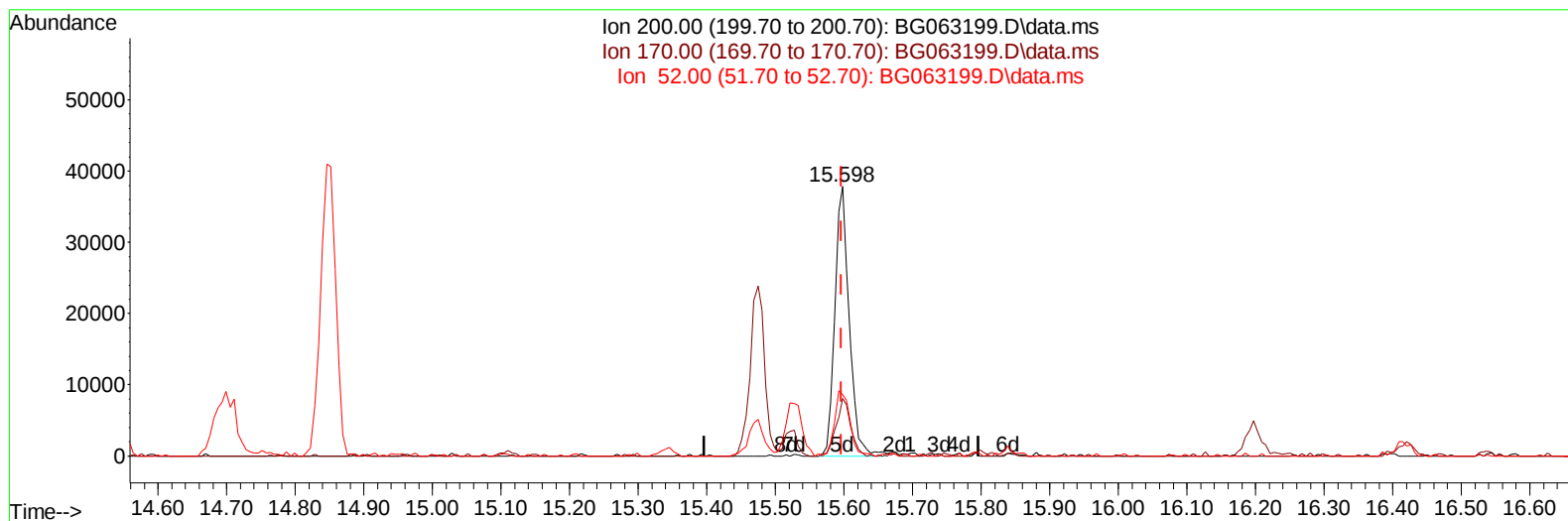
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110624\
 Data File : BG063199.D
 Acq On : 7 Nov 2024 12:34
 Operator : RC/JU
 Sample : P4585-02DL 5X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4EA7DL

Manual IntegrationsAPPROVED

Quant Time: Nov 07 12:10:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110624.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 06 15:45:52 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/08/2024
 Supervised By :mohammad ahmed 11/11/2024



TIC: BG063199.D\data.ms

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

15.598min (+ 0.001) 10.34 ng/ul m

response 55159

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	22.10	21.25
52.00	29.70	22.74#
0.00	0.00	0.00

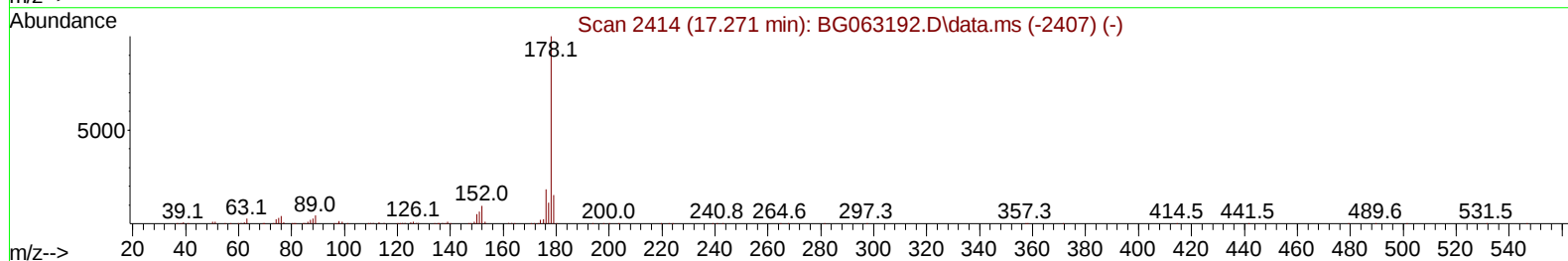
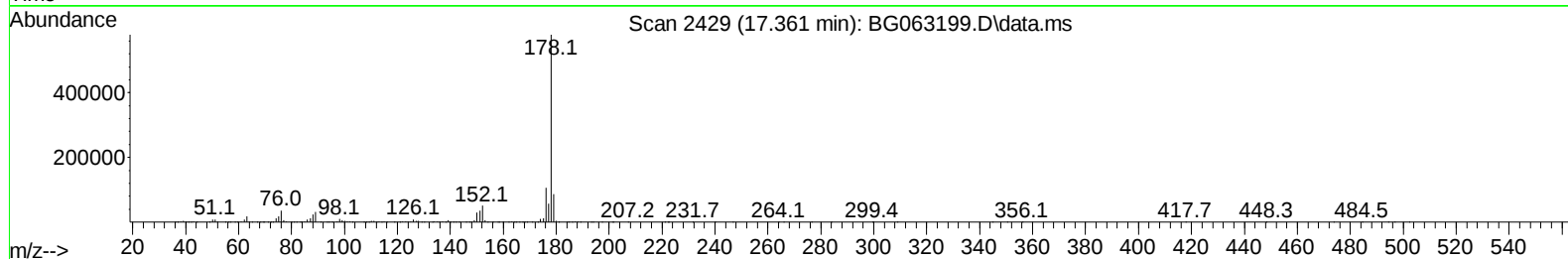
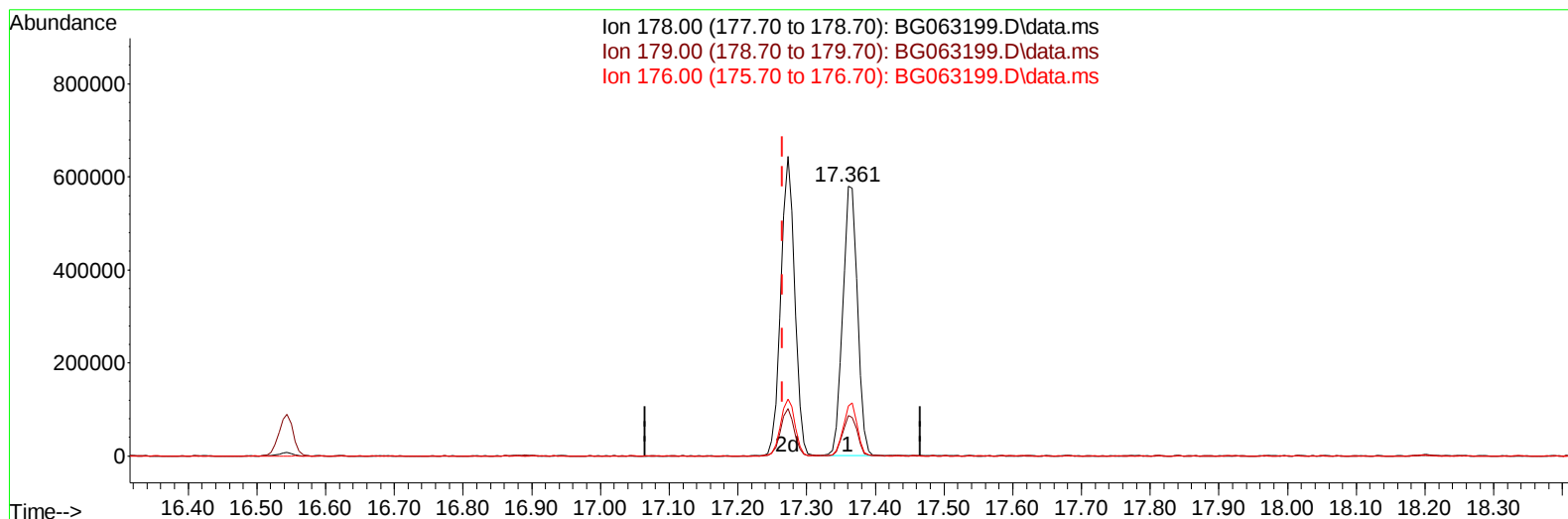
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110624\
Data File : BG063199.D
Acq On : 7 Nov 2024 12:34
Operator : RC/JU
Sample : P4585-02DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4EA7DL

Manual IntegrationsAPPROVED

Quant Time: Nov 07 12:10:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 06 15:45:52 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



TIC: BG063199.D\data.ms

(72) Phenanthrene

17.361min (+ 0.095) 22.31 ng/u1

response 865560

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.30	14.93
176.00	20.00	18.49
0.00	0.00	0.00

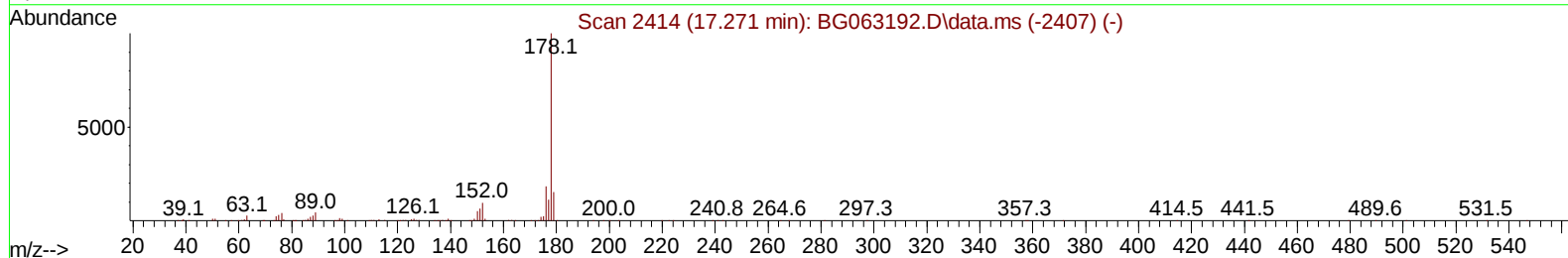
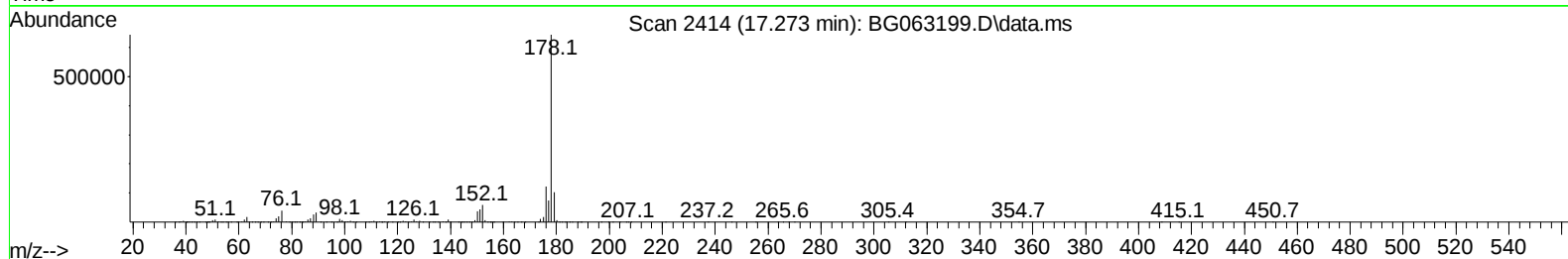
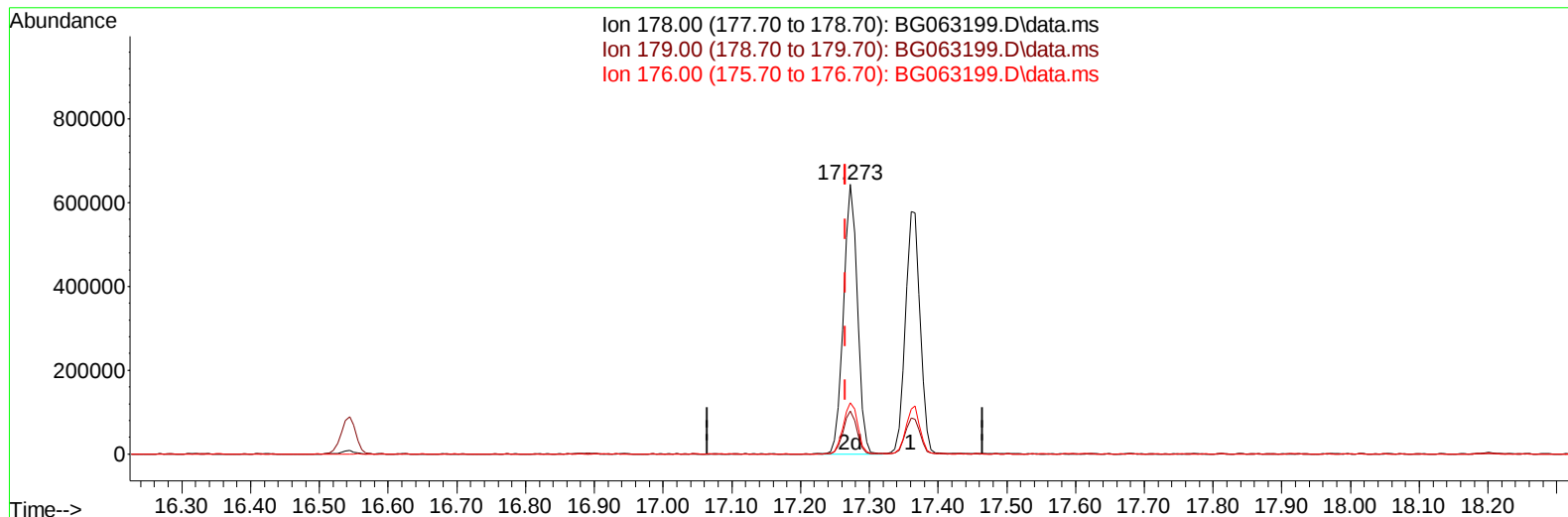
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110624\
Data File : BG063199.D
Acq On : 7 Nov 2024 12:34
Operator : RC/JU
Sample : P4585-02DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4EA7DL

Manual IntegrationsAPPROVED

Quant Time: Nov 07 12:10:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 06 15:45:52 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



TIC: BG063199.D\data.ms

(72) Phenanthrene

17.273min (+ 0.007) 23.43 ng/ul m

response 909151

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.30	15.89
176.00	20.00	19.03
0.00	0.00	0.00

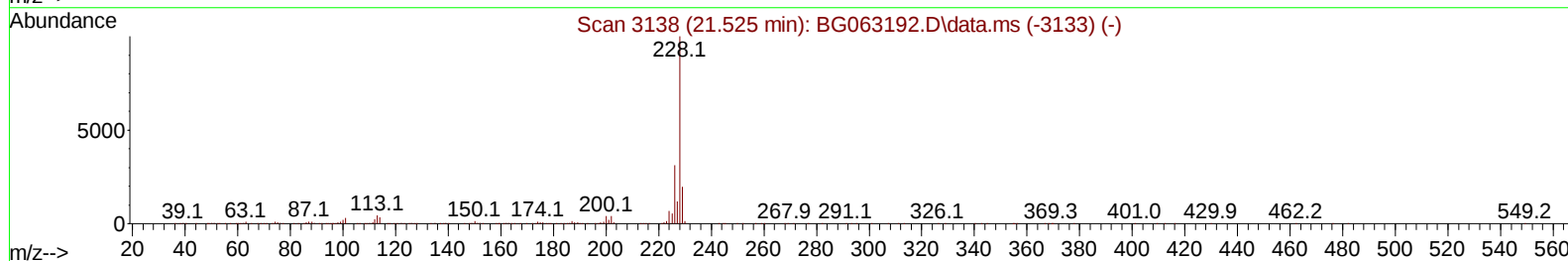
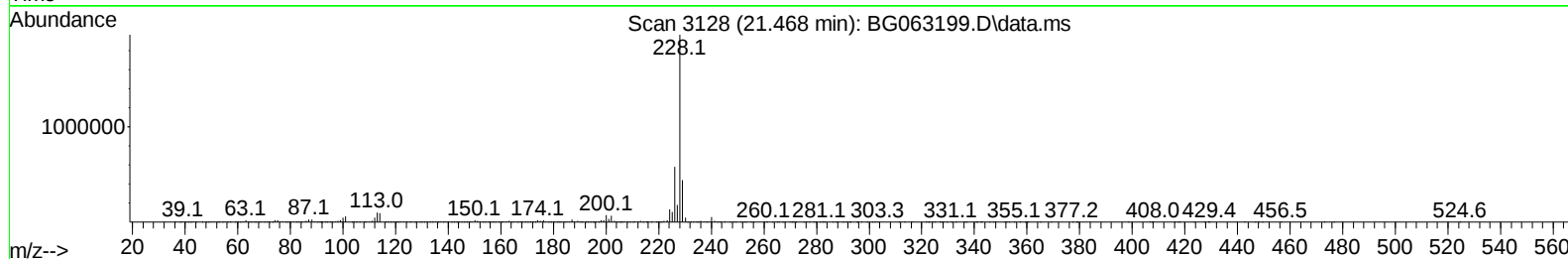
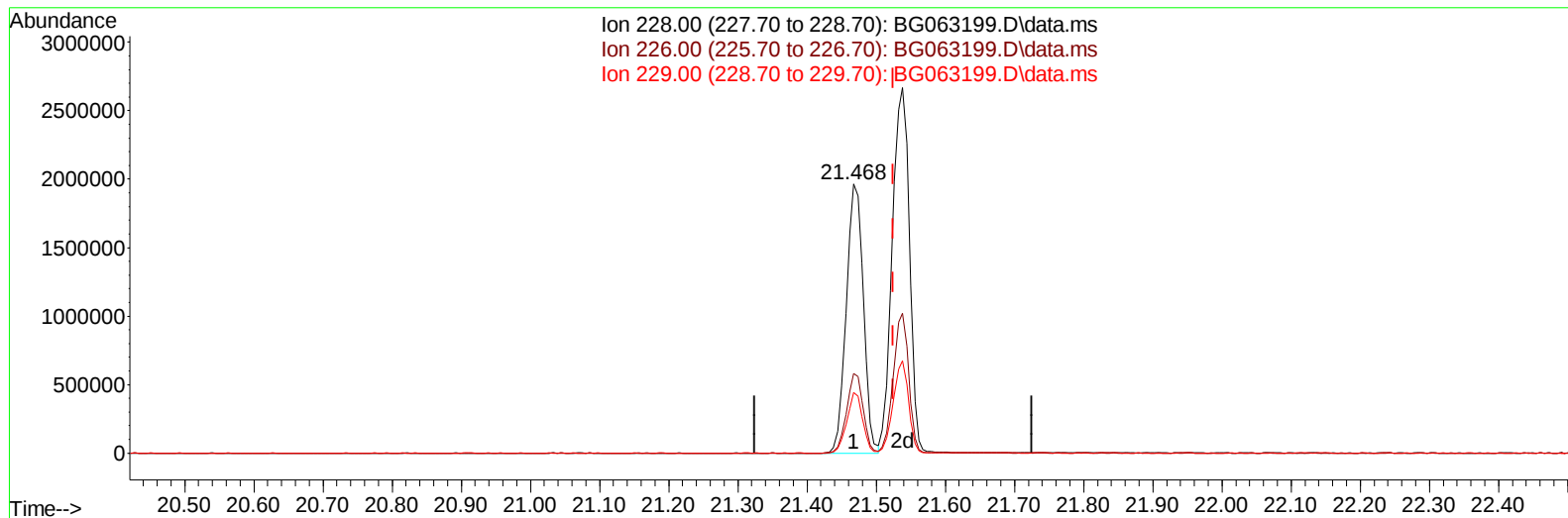
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110624\
Data File : BG063199.D
Acq On : 7 Nov 2024 12:34
Operator : RC/JU
Sample : P4585-02DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4EA7DL

Manual IntegrationsAPPROVED

Quant Time: Nov 07 12:11:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 06 15:45:52 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



TIC: BG063199.D\data.ms

(87) Chrysene

21.468min (-0.057) 67.94 ng/u1

response 3372261

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.10	29.64
229.00	20.70	22.42
0.00	0.00	0.00

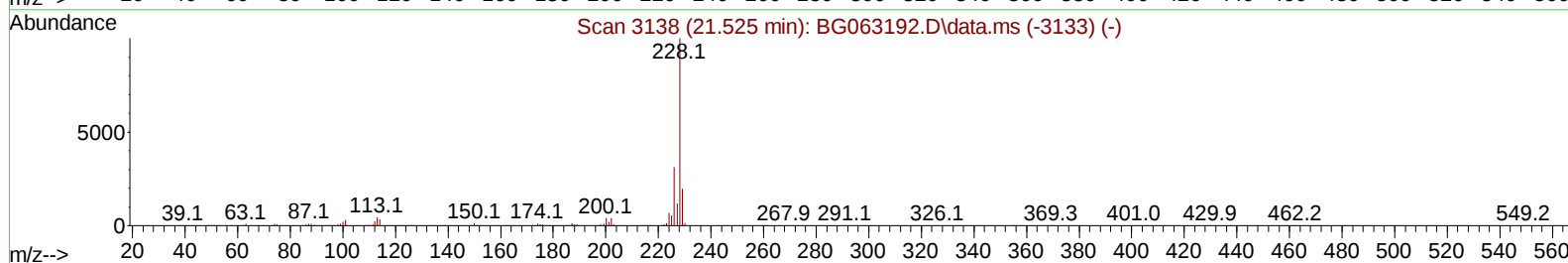
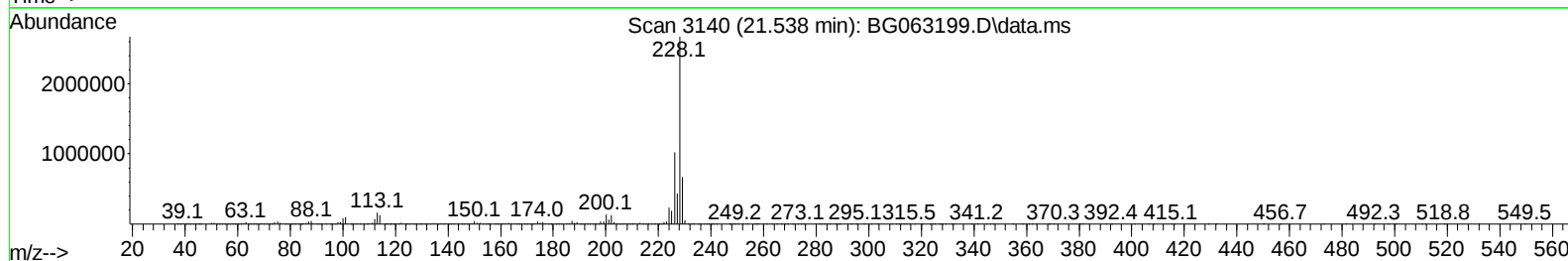
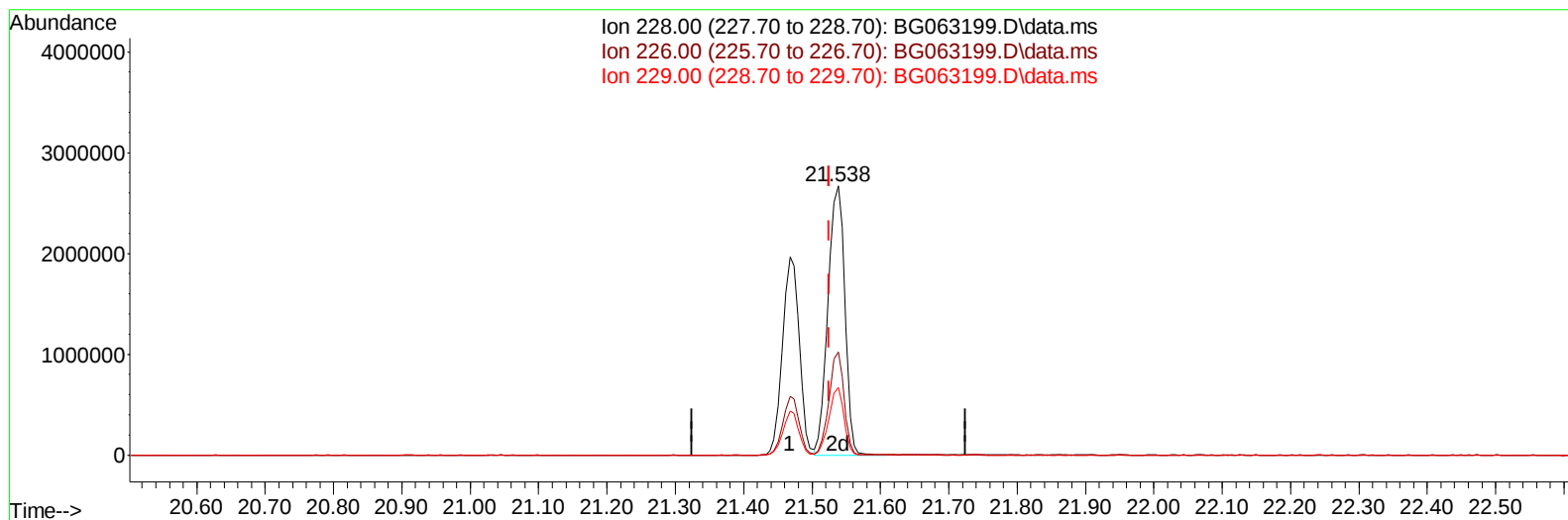
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110624\
Data File : BG063199.D
Acq On : 7 Nov 2024 12:34
Operator : RC/JU
Sample : P4585-02DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4EA7DL

Manual IntegrationsAPPROVED

Quant Time: Nov 07 12:11:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 06 15:45:52 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



TIC: BG063199.D\data.ms

(87) Chrysene

21.538min (+ 0.013) 92.61 ng/ul m

response 4596699

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	30.10	38.29#
229.00	20.70	25.21#
0.00	0.00	0.00

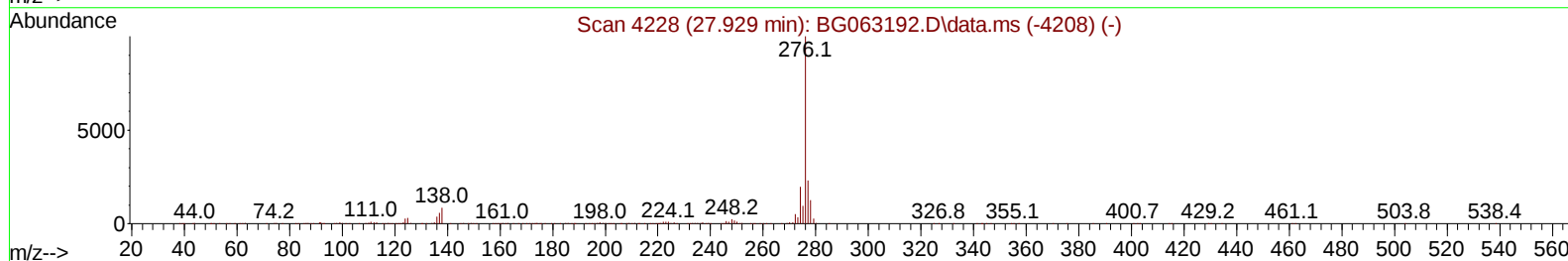
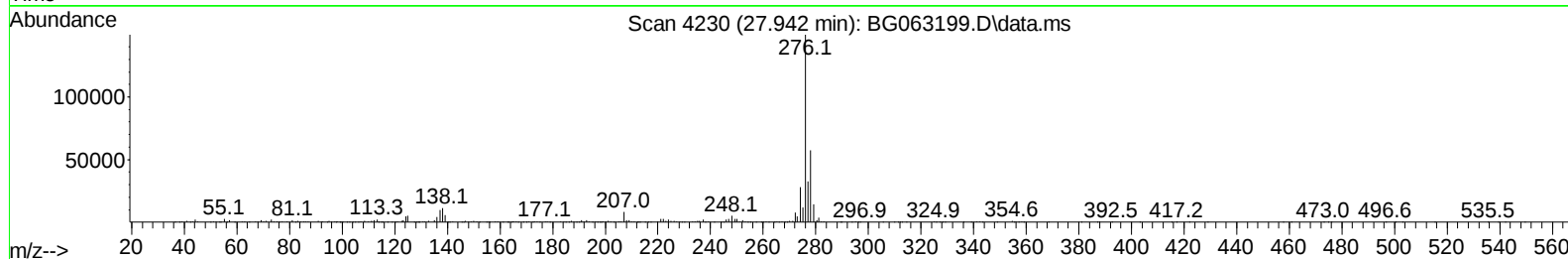
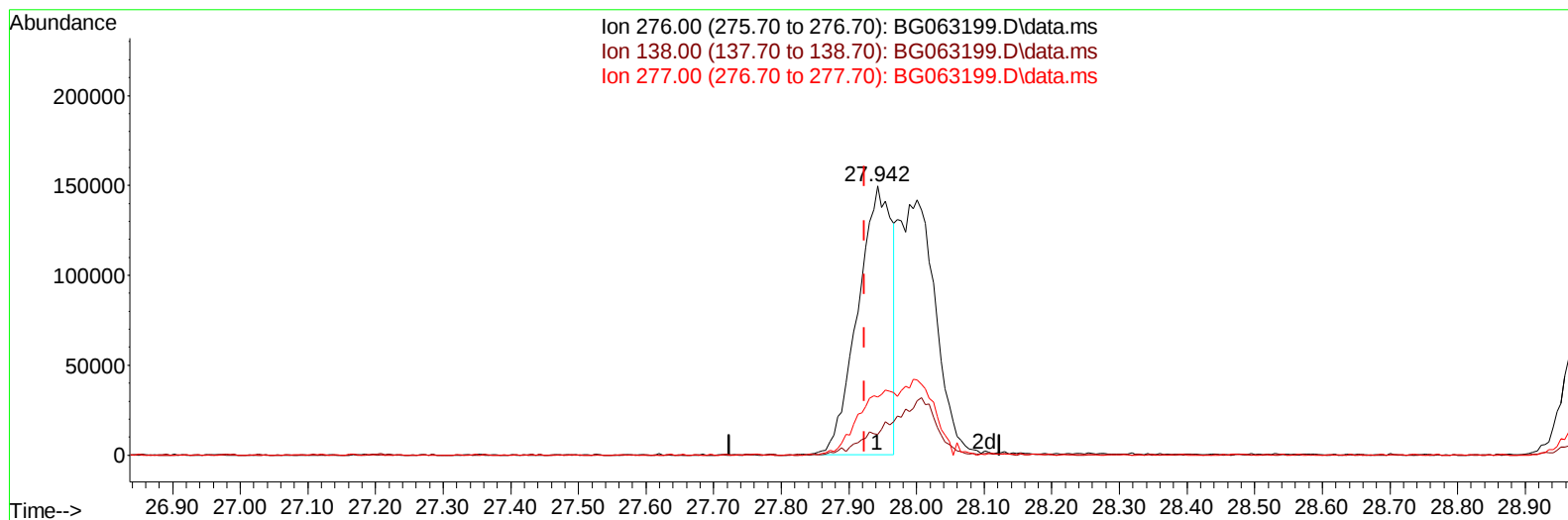
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110624\
Data File : BG063199.D
Acq On : 7 Nov 2024 12:34
Operator : RC/JU
Sample : P4585-02DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4EA7DL

Manual IntegrationsAPPROVED

Quant Time: Nov 07 12:11:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 06 15:45:52 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



TIC: BG063199.D\data.ms

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

27.942min (+ 0.019) 8.14 ng/u1

response 520364

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	9.40	7.71
277.00	21.70	21.68
0.00	0.00	0.00

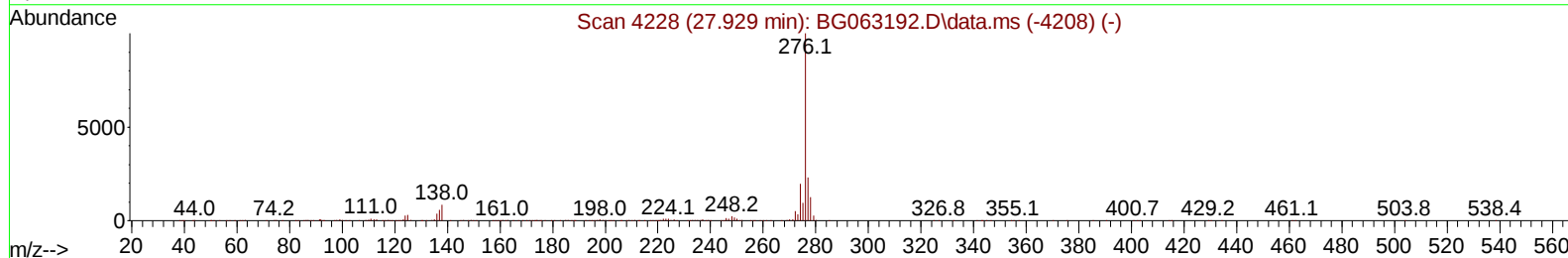
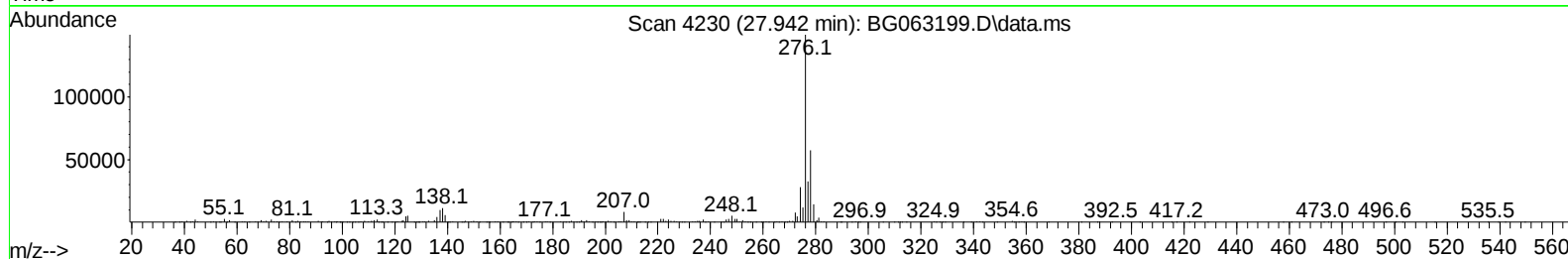
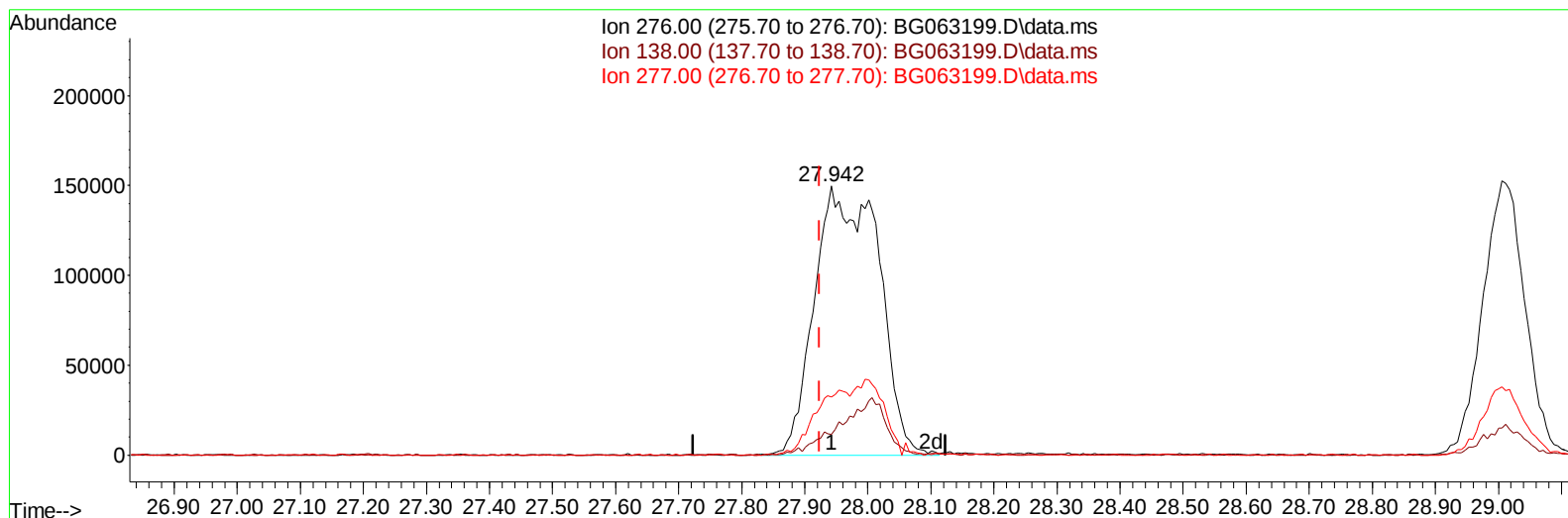
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110624\
Data File : BG063199.D
Acq On : 7 Nov 2024 12:34
Operator : RC/JU
Sample : P4585-02DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
A4EA7DL

Manual IntegrationsAPPROVED

Quant Time: Nov 07 12:11:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 06 15:45:52 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



TIC: BG063199.D\data.ms

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

27.942min (+ 0.019) 16.58 ng/ul m

response 1059675

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	9.40	7.71
277.00	21.70	21.68
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110624\
 Data File : BG063199.D
 Acq On : 7 Nov 2024 12:34
 Operator : RC/JU
 Sample : P4585-02DL 5X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4EA7DL

Manual IntegrationsAPPROVED

Quant Time: Nov 07 12:13:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110624.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 06 15:45:52 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/08/2024
 Supervised By :mohammad ahmed 11/11/2024

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.837	152		72118	20.000	ng/ul	0.00
20) Naphthalene-d8	10.627	136		355690	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.482	164		347588	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.231	188		849097m	20.000	ng/ul	0.00
79) Chrysene-d12	21.485	240		841642	20.000	ng/ul	# 0.00
88) Perylene-d12	24.523	264		935947	20.000	ng/ul	0.00
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.312	96		1555	0.975	ng/uL	0.00
4) Pyridine-d5	0.000	84		0d	0.000	ng/ul	
7) Phenol-d5	7.008	99		44675	6.865	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.167	67		25392	6.652	ng/ul	0.00
11) 2-Chlorophenol-d4	7.367	132		30977	7.334	ng/ul	-0.01
15) 4-Methylphenol-d8	8.547	113		39757	7.208	ng/ul	0.00
21) Nitrobenzene-d5	8.988	128		16520	6.606	ng/ul	0.00
24) 2-Nitrophenol-d4	9.717	143		20848	6.451	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.257	165		59757	9.422	ng/ul	0.00
31) 4-Chloroaniline-d4	10.768	131		41184	4.985	ng/ul	0.00
46) Dimethylphthalate-d6	13.882	166		317760	11.671	ng/ul	0.00
49) Acenaphthylene-d8	14.170	160		307693	11.546	ng/ul	0.00
54) 4-Nitrophenol-d4	14.687	143		45199	12.125	ng/ul	0.00
60) Fluorene-d10	15.475	176		307306	13.374	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.598	200		55159m	10.336	ng/ul	0.00
73) Anthracene-d10	17.331	188		550679	15.090	ng/ul	0.00
81) Pyrene-d10	19.629	212		696520	16.506	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.311	264		673289	14.899	ng/ul	0.00
Target Compounds							
						Qvalue	
8) Phenol	7.037	94		64084	9.036	ng/ul	92
10) Bis(2-Chloroethyl)ether	7.261	93		264343	54.808	ng/ul	91
12) 2-Chlorophenol	7.408	128		117308	25.964	ng/ul	96
17) N-Nitroso-di-n-propyla...	8.636	70		270524	52.221	ng/ul	99
19) Hexachloroethane	8.912	117		69171	37.780	ng/ul	93
22) Nitrobenzene	9.035	77		81856	10.616	ng/ul	94
23) Isophorone	9.552	82		682178	41.920	ng/ul	98
25) 2-Nitrophenol	9.746	139		40560	12.696	ng/ul	91
27) Bis(2-Chloroethoxy)met...	10.040	93		389332	49.628	ng/ul	96
29) 2,4-Dichlorophenol	10.281	162		201717	33.736	ng/ul	97
33) Hexachlorobutadiene	10.968	225		229479	40.100	ng/ul	96
35) 4-Chloro-3-methylphenol	11.914	107		123828	17.259	ng/ul	92
36) 2-Methylnaphthalene	12.296	142		257172	17.829	ng/ul	99
41) 2,4,6-Trichlorophenol	12.907	196		505760	76.468	ng/ul	96
42) 2,4,5-Trichlorophenol	12.978	196		136740m	19.065	ng/ul	
48) 2,6-Dinitrotoluene	14.059	165		511988	102.487	ng/ul	97
50) Acenaphthylene	14.194	152		220898	8.321	ng/ul	96
52) Acenaphthene	14.546	153		945474	49.762	ng/ul	100
55) 4-Nitrophenol	14.705	109		160605	33.149	ng/ul	97
57) 2,4-Dinitrotoluene	14.852	165		546454	69.162	ng/ul#	99
61) Fluorene	15.533	166		1978558	80.377	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.522	204		400843	25.338	ng/ul	96
68) 4-Bromophenyl-phenylether	16.421	248		214962	22.145	ng/ul	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110624\
 Data File : BG063199.D
 Acq On : 7 Nov 2024 12:34
 Operator : RC/JU
 Sample : P4585-02DL 5X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4EA7DL

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/08/2024
 Supervised By :mohammad ahmed 11/11/2024

Quant Time: Nov 07 12:13:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110624.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 06 15:45:52 2024
 Response via : Initial Calibration

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

69) Hexachlorobenzene	16.544	284		1221482	118.121	ng/ul	97
71) Pentachlorophenol	16.885	266		588597	113.536	ng/ul	94
72) Phenanthrene	17.273	178		909151m	23.435	ng/ul	
74) Anthracene	17.361	178		863894	21.738	ng/ul	96
78) Di-n-butylphthalate	18.201	149		2839096	75.644	ng/ul	98
80) Fluoranthene	19.294	202		3583177	78.558	ng/ul#	98
82) Pyrene	19.658	202		1705587	35.278	ng/ul	99
83) Butylbenzylphthalate	20.551	149		338816	23.979	ng/ul	95
85) Benzo(a)anthracene	21.468	228		3372261	63.344	ng/ul	94
86) Bis(2-ethylhexyl)phtha...	21.385	149		1971982	95.817	ng/ul	96
87) Chrysene	21.538	228		4596699m	92.611	ng/ul	
90) Benzo(b)fluoranthene	23.571	252		4662533	82.797	ng/ul	95
93) Benzo(a)pyrene	24.382	252		940007	18.046	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	27.942	276		1059675m	16.585	ng/ul	
95) Dibenzo(a,h)anthracene	28.001	278		2209377	42.414	ng/ul#	97
96) Benzo(g,h,i)perylene	29.006	276		710214	14.661	ng/ul	97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110624\
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