

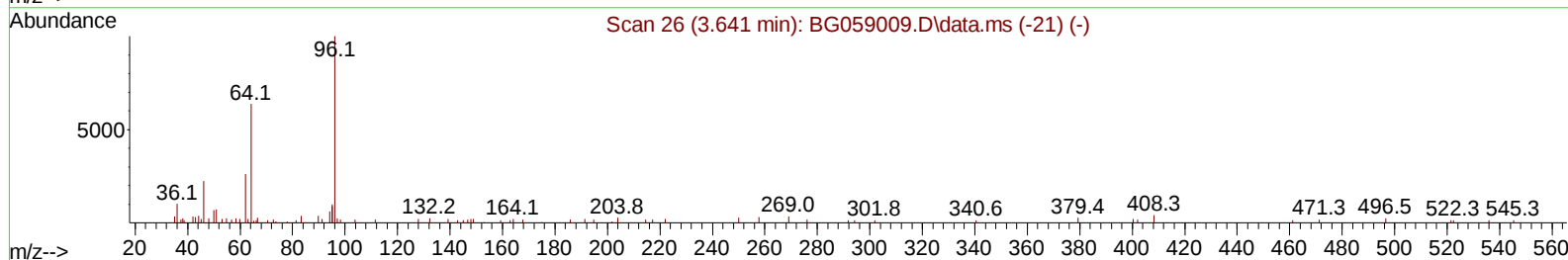
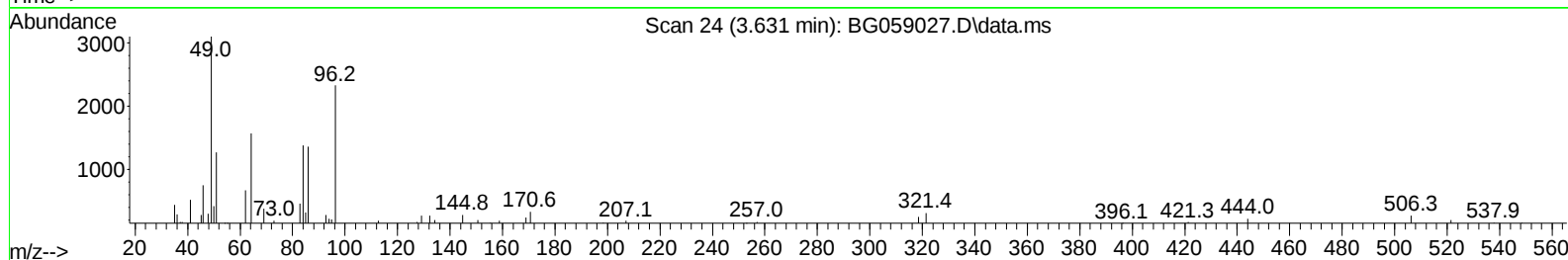
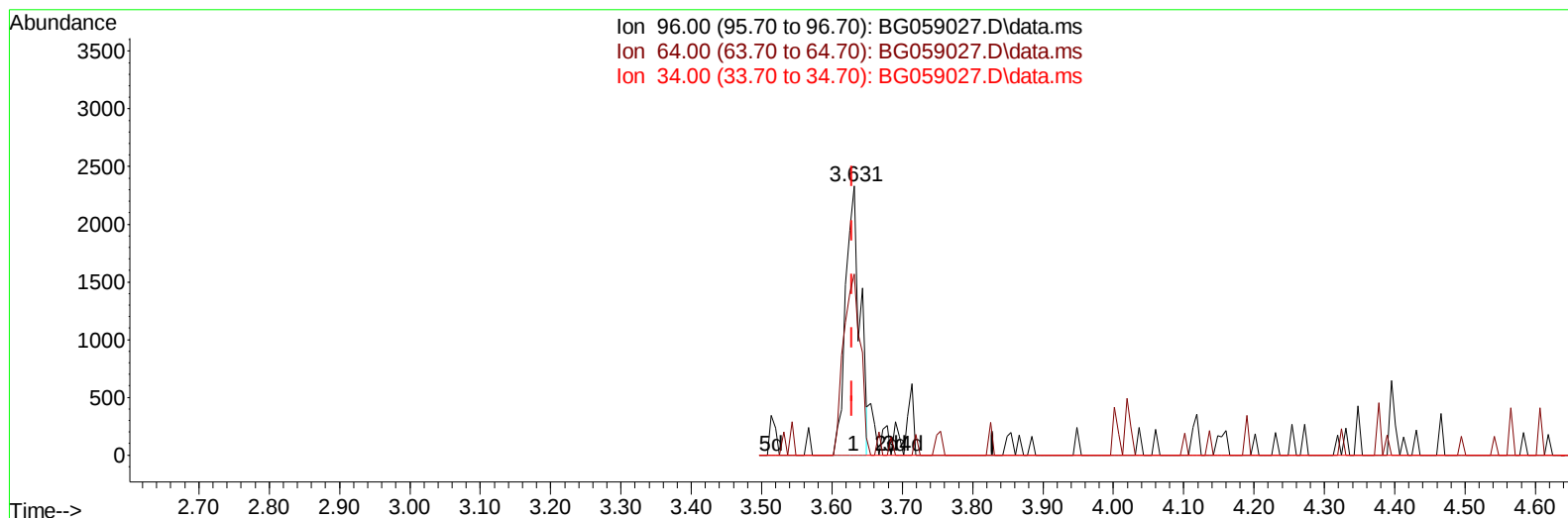
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
 Data File : BG059027.D
 Acq On : 13 Sep 2023 2:52
 Operator : MA/JU
 Sample : 04175-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EYZG7

Manual IntegrationsAPPROVED

Quant Time: Sep 13 04:26:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 12 23:54:19 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023



TIC: BG059027.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.631min (+ 0.003) 1.65 ng/uL

response 3253

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	73.70	67.34
34.00	0.00	0.00
0.00	0.00	0.00

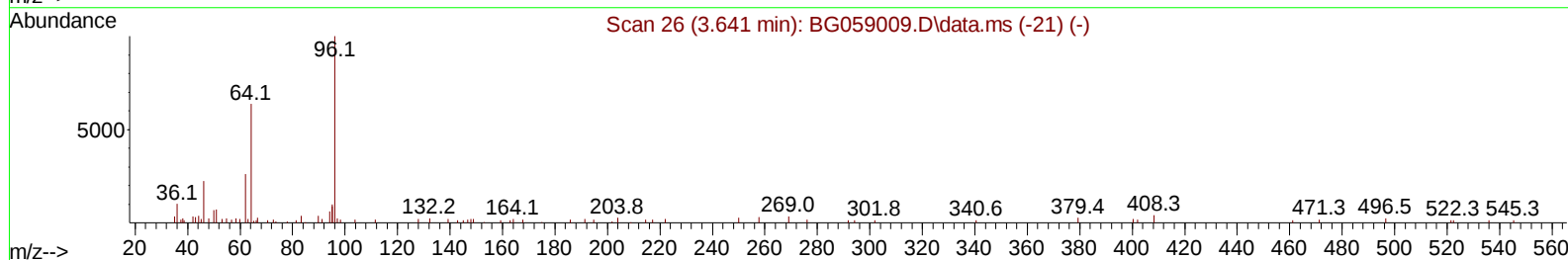
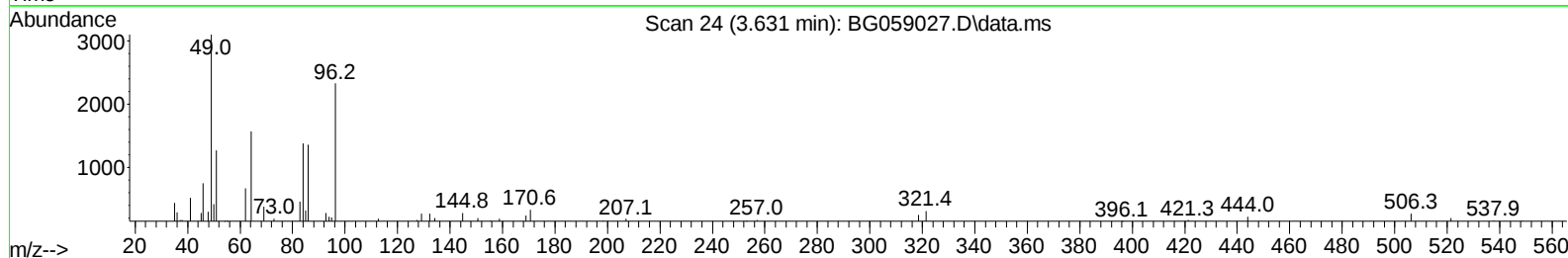
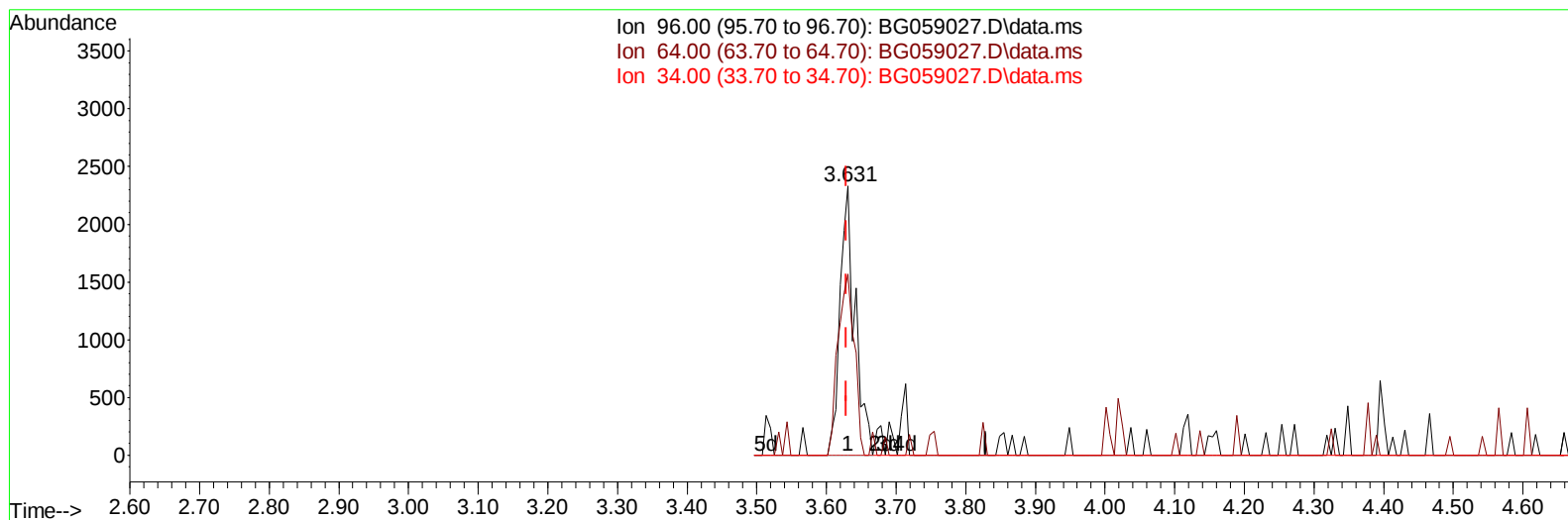
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
Data File : BG059027.D
Acq On : 13 Sep 2023 2:52
Operator : MA/JU
Sample : 04175-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EZYG7

Manual IntegrationsAPPROVED

Quant Time: Sep 13 04:26:20 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 12 23:54:19 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



TIC: BG059027.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.631min (+ 0.003) 1.77 ng/uL m

response 3506

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	73.70	67.34
34.00	0.00	0.00
0.00	0.00	0.00

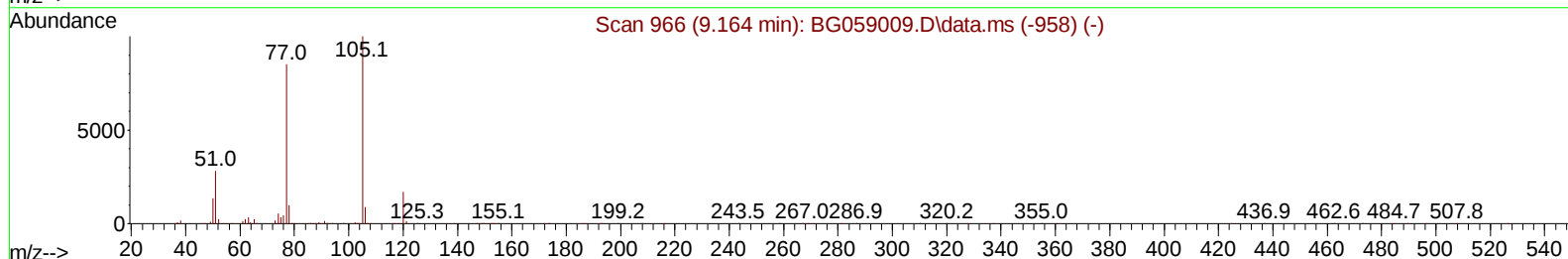
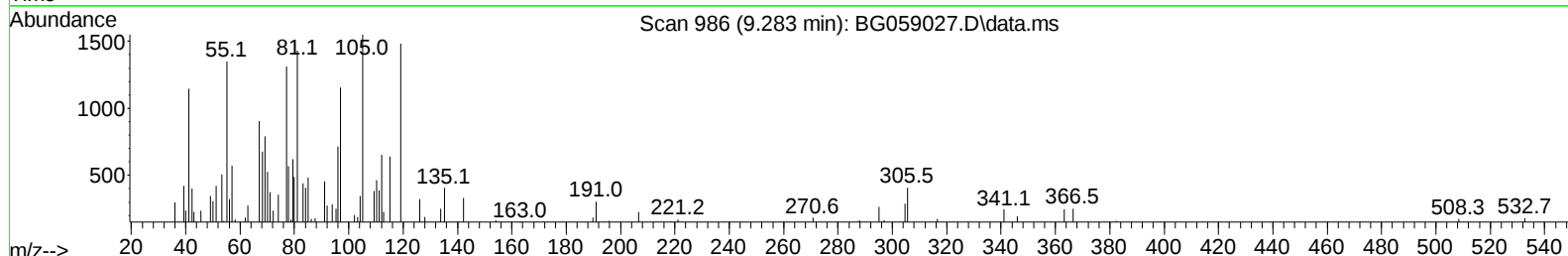
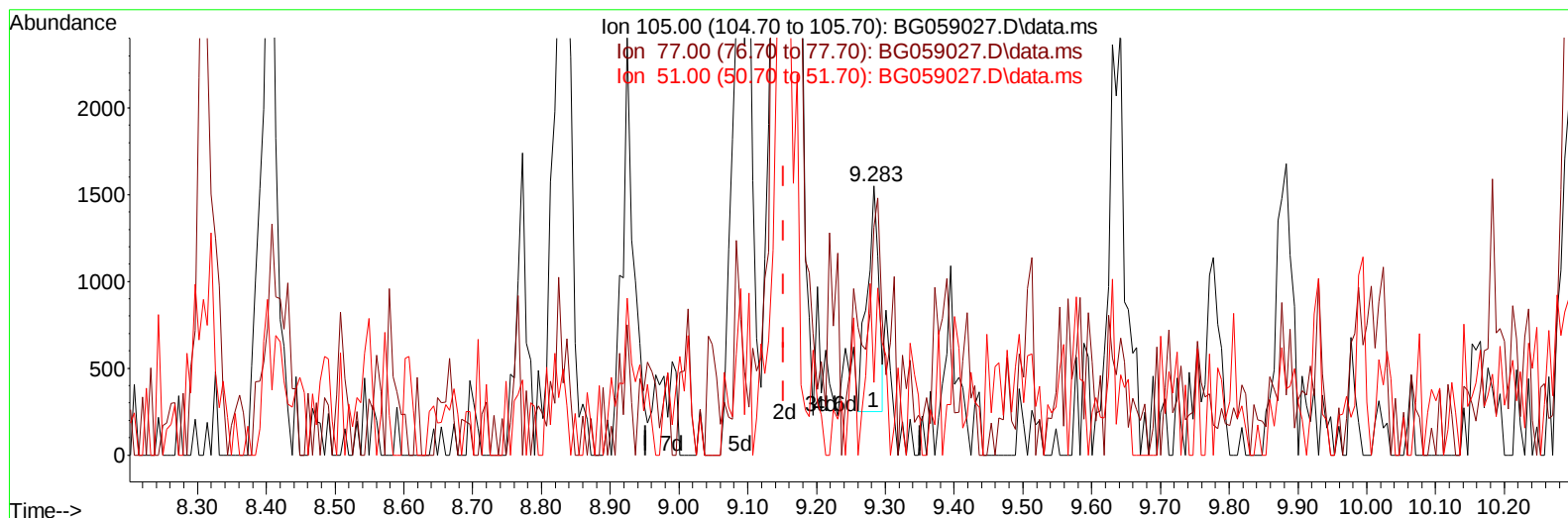
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
 Data File : BG059027.D
 Acq On : 13 Sep 2023 2:52
 Operator : MA/JU
 Sample : 04175-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYG7

Manual IntegrationsAPPROVED

Quant Time: Sep 13 04:27:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 12 23:54:19 2023
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Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023



TIC: BG059027.D\data.ms

(16) Acetophenone

9.283min (+ 0.132) 0.14 ng/ul

response 1545

Ion	Exp%	Act%
105.00	100.00	100.00
77.00	84.10	84.76
51.00	24.10	27.11
0.00	0.00	0.00

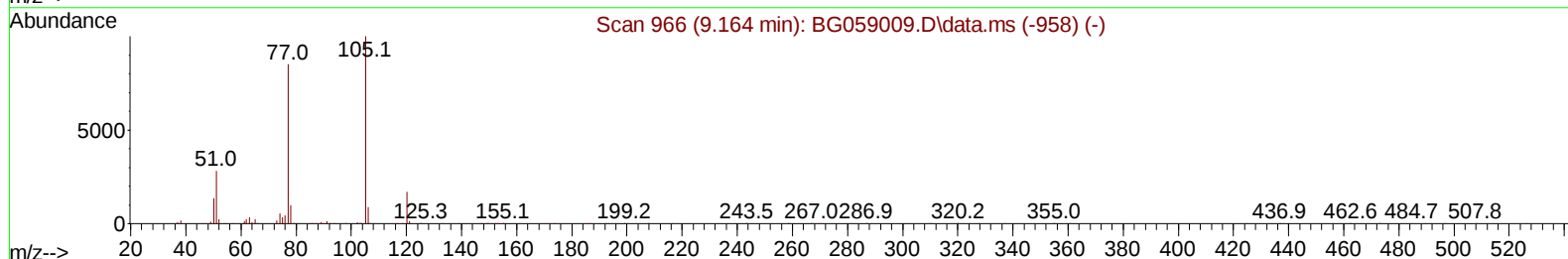
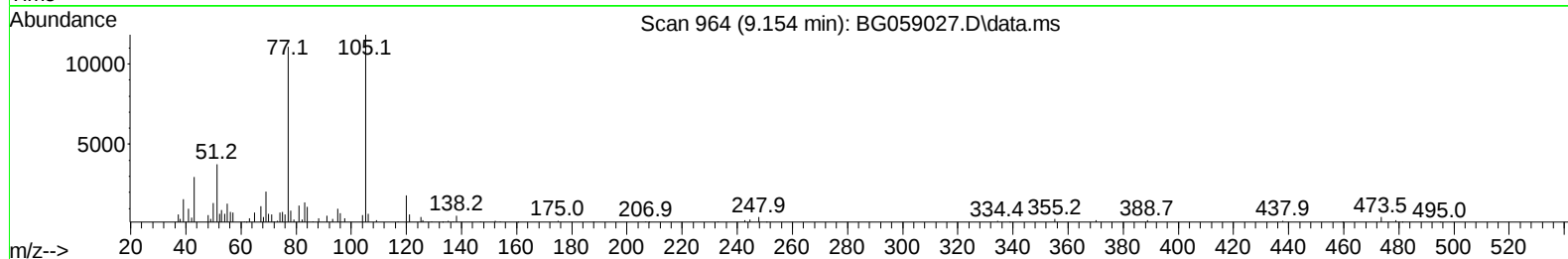
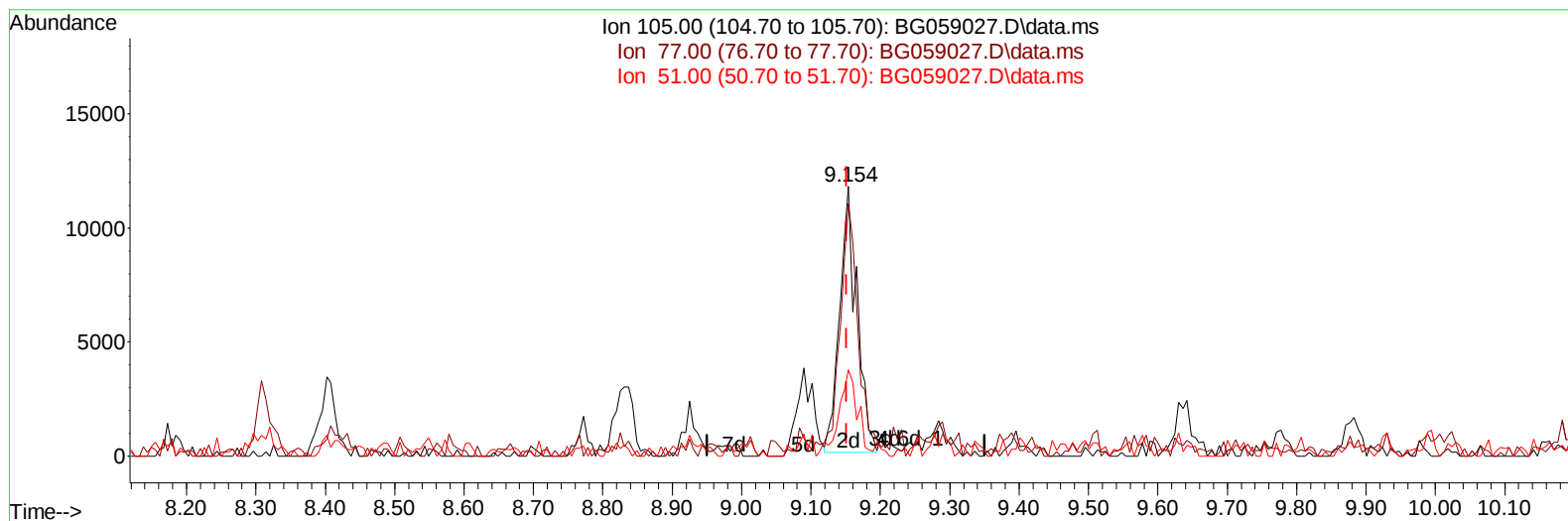
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
 Data File : BG059027.D
 Acq On : 13 Sep 2023 2:52
 Operator : MA/JU
 Sample : 04175-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EYZG7

Manual IntegrationsAPPROVED

Quant Time: Sep 13 04:27:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 12 23:54:19 2023
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Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023



TIC: BG059027.D\data.ms

(16) Acetophenone

9.154min (+ 0.003) 1.88 ng/u1 m

response 20383

Ion	Exp%	Act%
105.00	100.00	100.00
77.00	84.10	93.78
51.00	24.10	31.91#
0.00	0.00	0.00

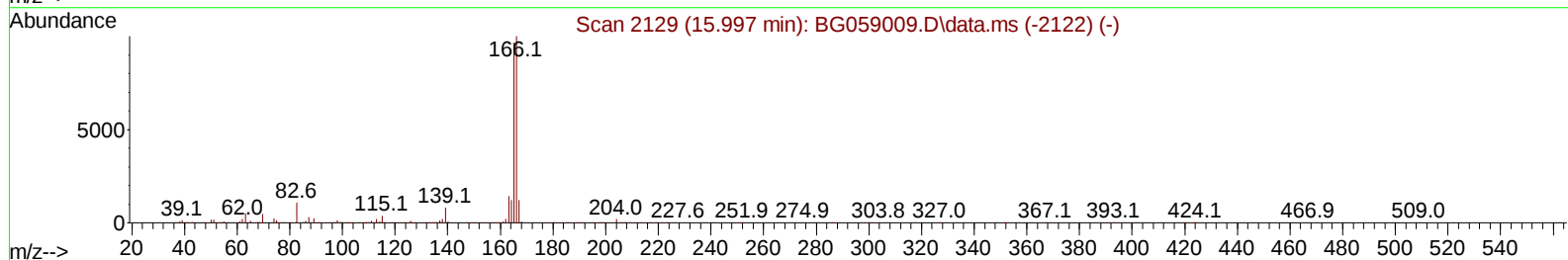
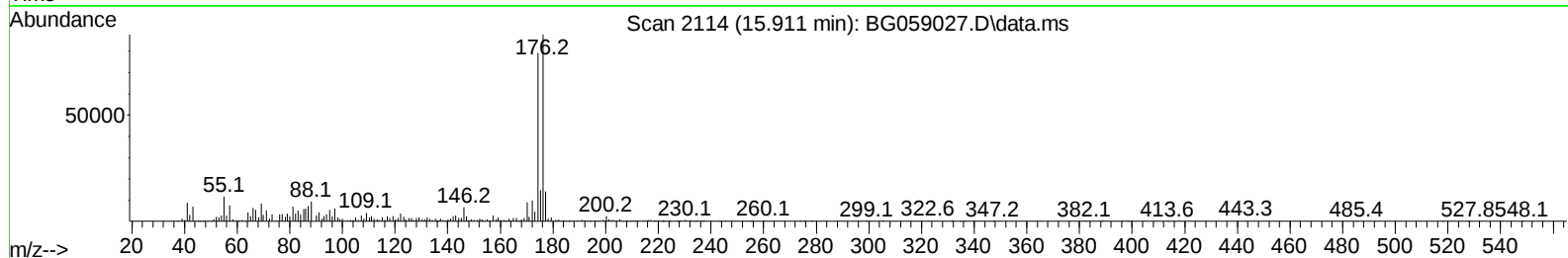
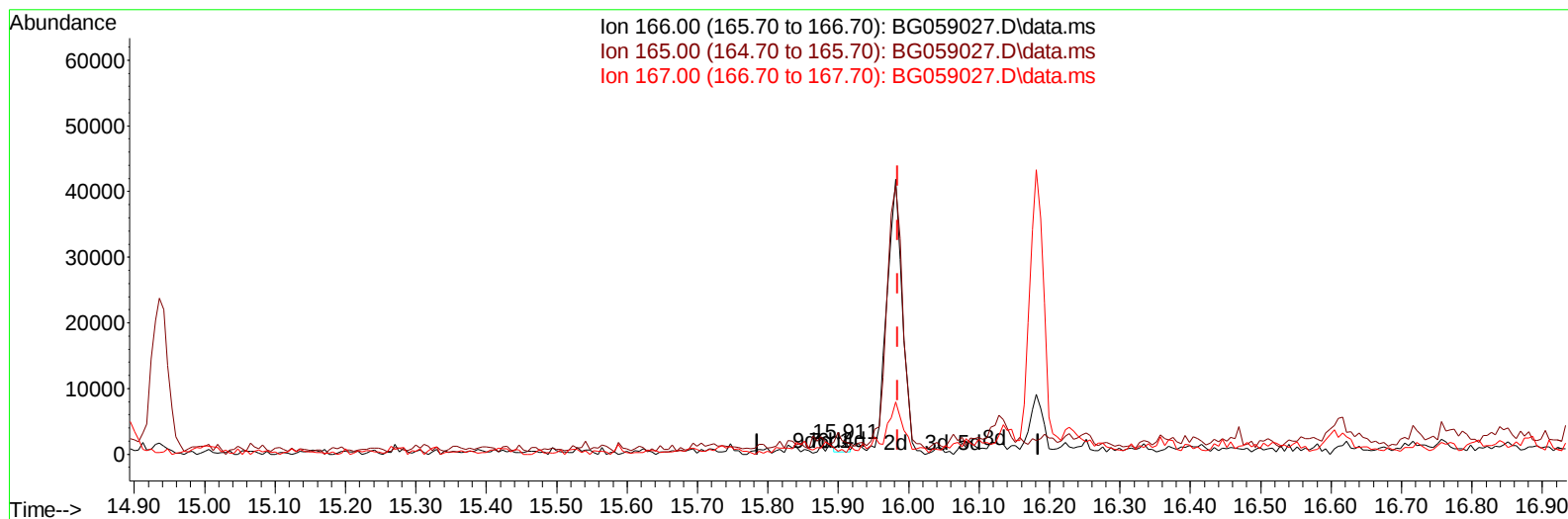
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
 Data File : BG059027.D
 Acq On : 13 Sep 2023 2:52
 Operator : MA/JU
 Sample : 04175-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EYZG7

Manual IntegrationsAPPROVED

Quant Time: Sep 13 04:28:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 12 23:54:19 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023



TIC: BG059027.D\data.ms

(61) Fluorene

15.911min (-0.074) 0.06 ng/u1

response 1203

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.50	107.26
167.00	11.60	13.91
0.00	0.00	0.00

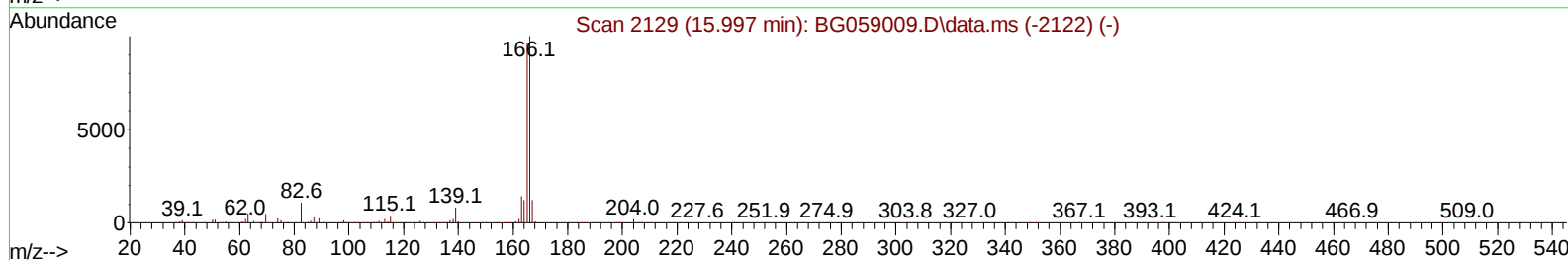
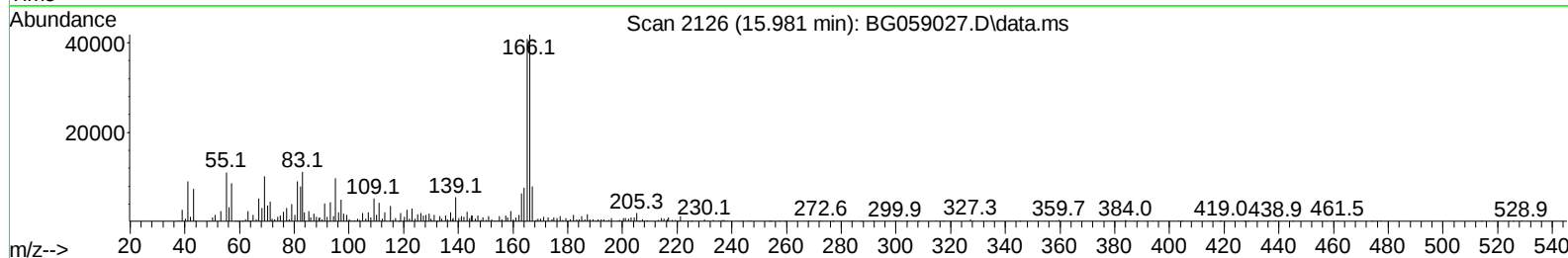
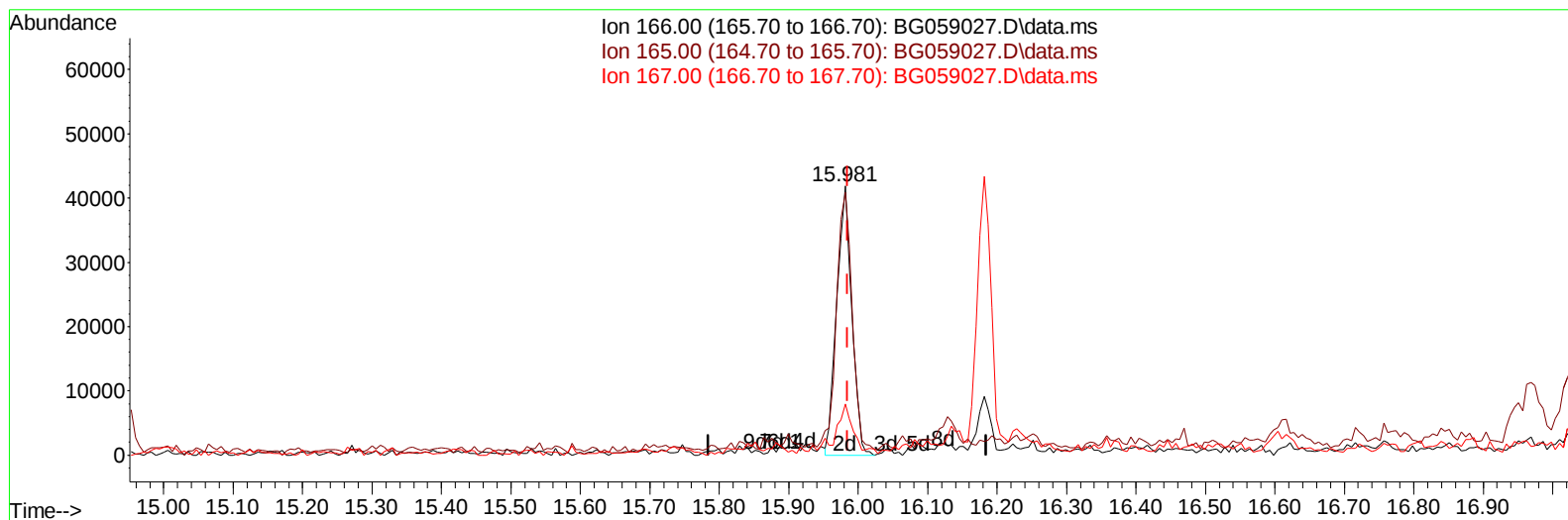
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
 Data File : BG059027.D
 Acq On : 13 Sep 2023 2:52
 Operator : MA/JU
 Sample : 04175-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYG7

Manual IntegrationsAPPROVED

Quant Time: Sep 13 04:28:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
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 QLast Update : Tue Sep 12 23:54:19 2023
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Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023



TIC: BG059027.D\data.ms

(61) Fluorene

15.981min (-0.003) 3.17 ng/ul m

response 63151

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.50	97.67
167.00	11.60	18.93#
0.00	0.00	0.00

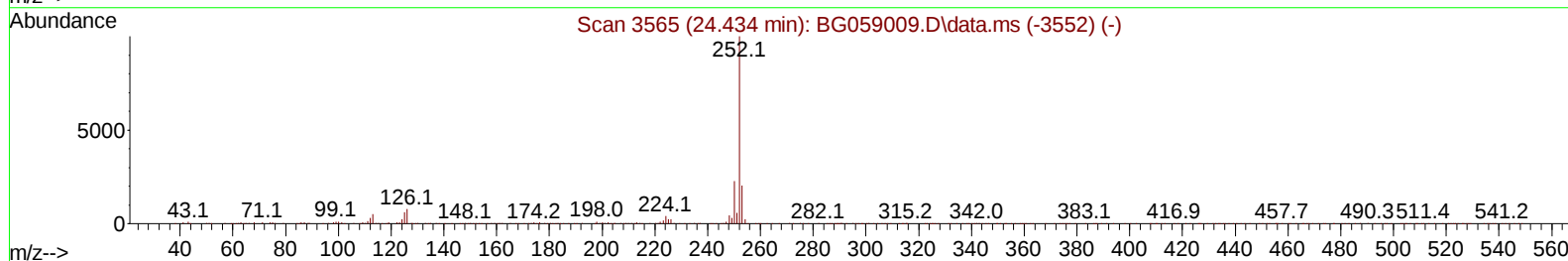
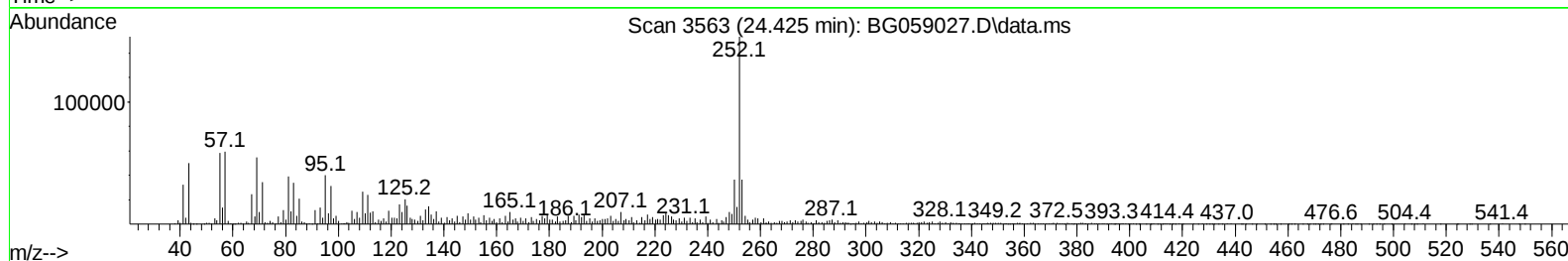
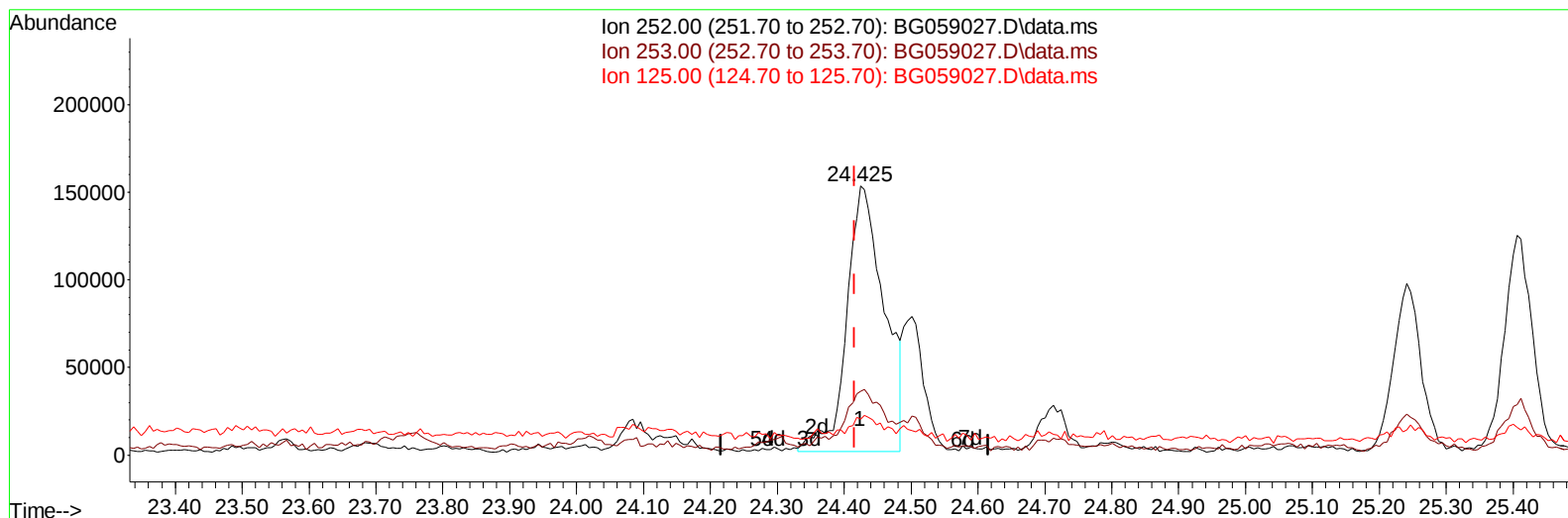
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
 Data File : BG059027.D
 Acq On : 13 Sep 2023 2:52
 Operator : MA/JU
 Sample : 04175-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EYZG7

Manual IntegrationsAPPROVED

Quant Time: Sep 13 04:28:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 12 23:54:19 2023
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Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023



TIC: BG059027.D\data.ms

(90) Benzo(b)fluoranthene

24.425min (+ 0.009) 15.79 ng/ul m

response 588575

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.30	23.77
125.00	7.70	13.46#
0.00	0.00	0.00

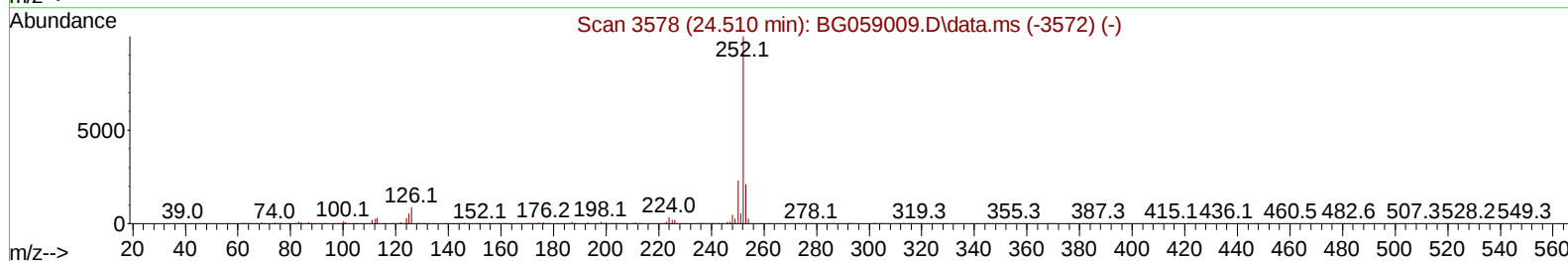
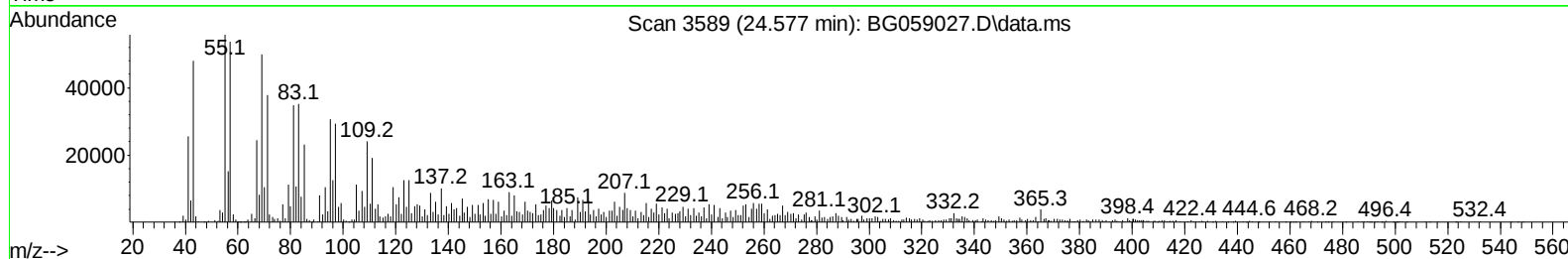
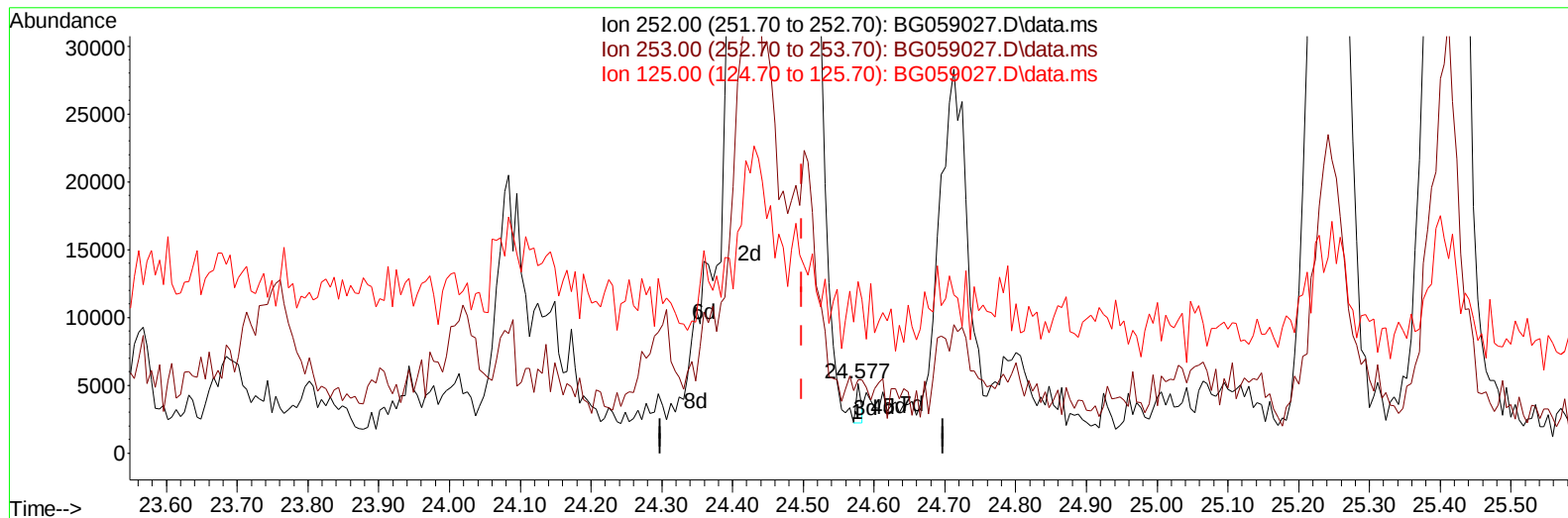
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
 Data File : BG059027.D
 Acq On : 13 Sep 2023 2:52
 Operator : MA/JU
 Sample : 04175-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYG7

Manual IntegrationsAPPROVED

Quant Time: Sep 13 04:29:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 12 23:54:19 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023



TIC: BG059027.D\data.ms

(91) Benzo(k)fluoranthene

24.577min (+ 0.079) 0.04 ng/u1

response 1425

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	23.90	105.57#
125.00	6.20	246.39#
0.00	0.00	0.00

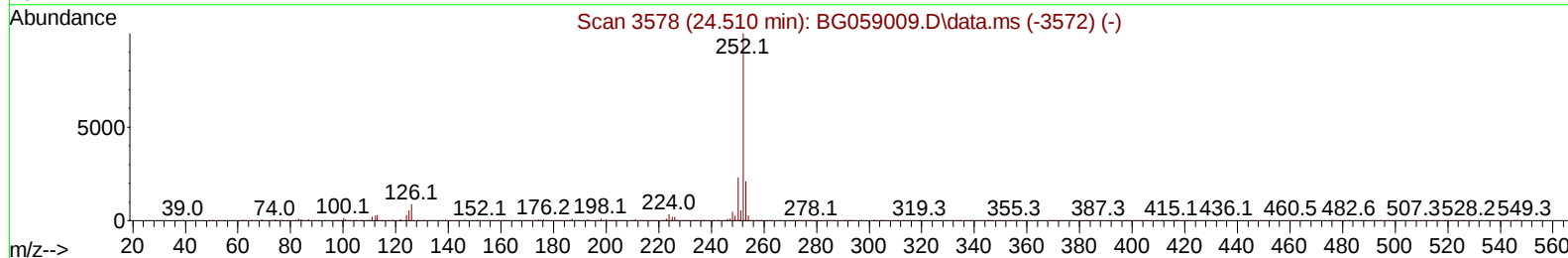
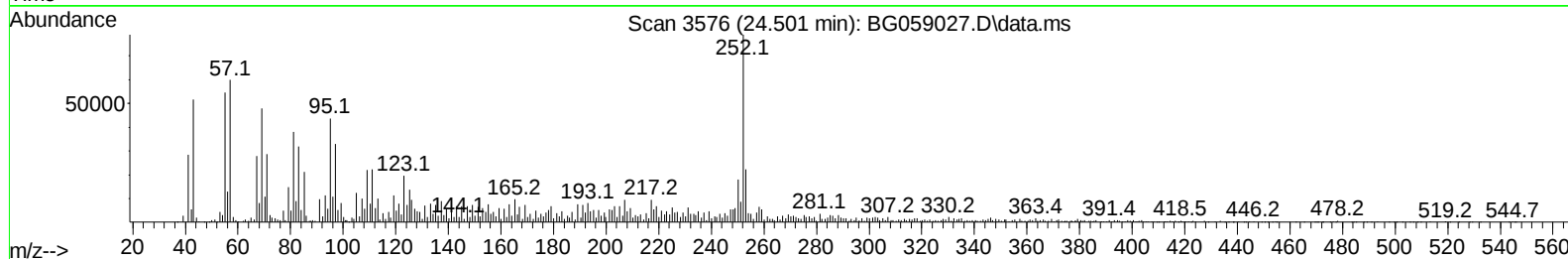
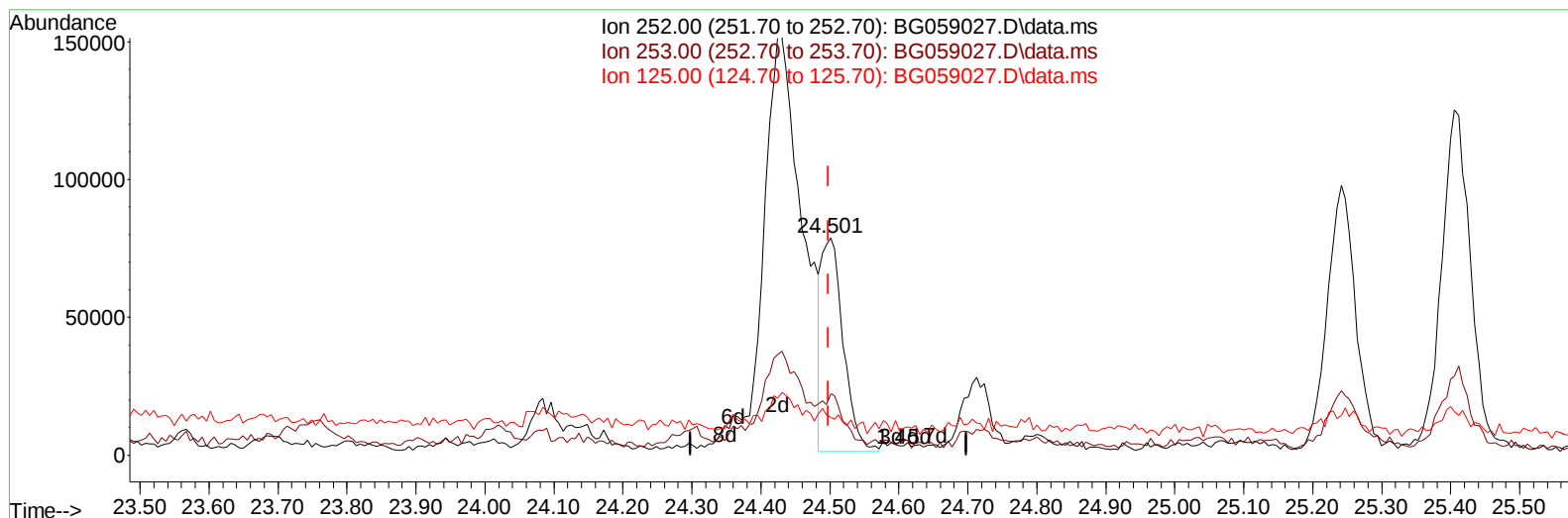
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
 Data File : BG059027.D
 Acq On : 13 Sep 2023 2:52
 Operator : MA/JU
 Sample : 04175-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYG7

Manual IntegrationsAPPROVED

Quant Time: Sep 13 04:29:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
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Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023



TIC: BG059027.D\data.ms

(91) Benzo(k)fluoranthene

24.501min (+ 0.003) 4.40 ng/ul m

response 167565

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	23.90	28.28
125.00	6.20	17.49#
0.00	0.00	0.00

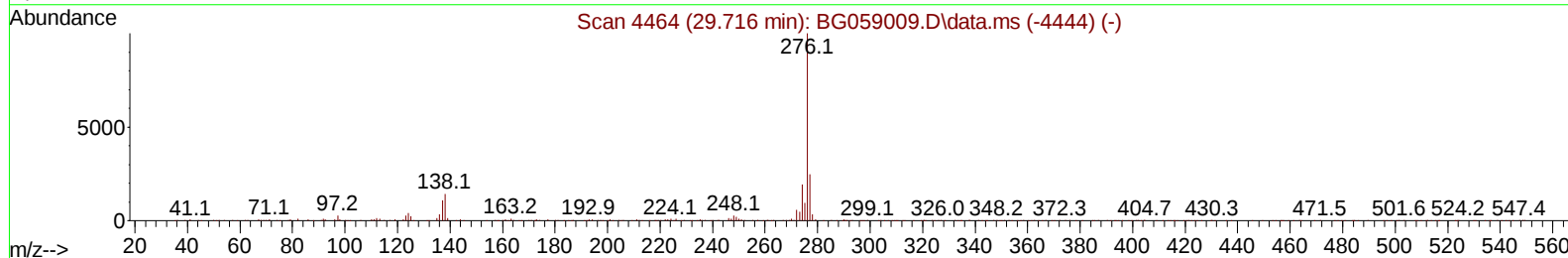
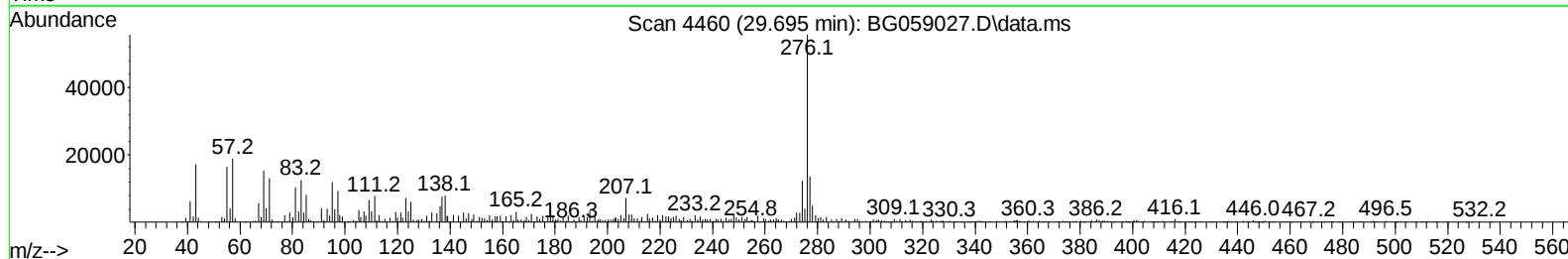
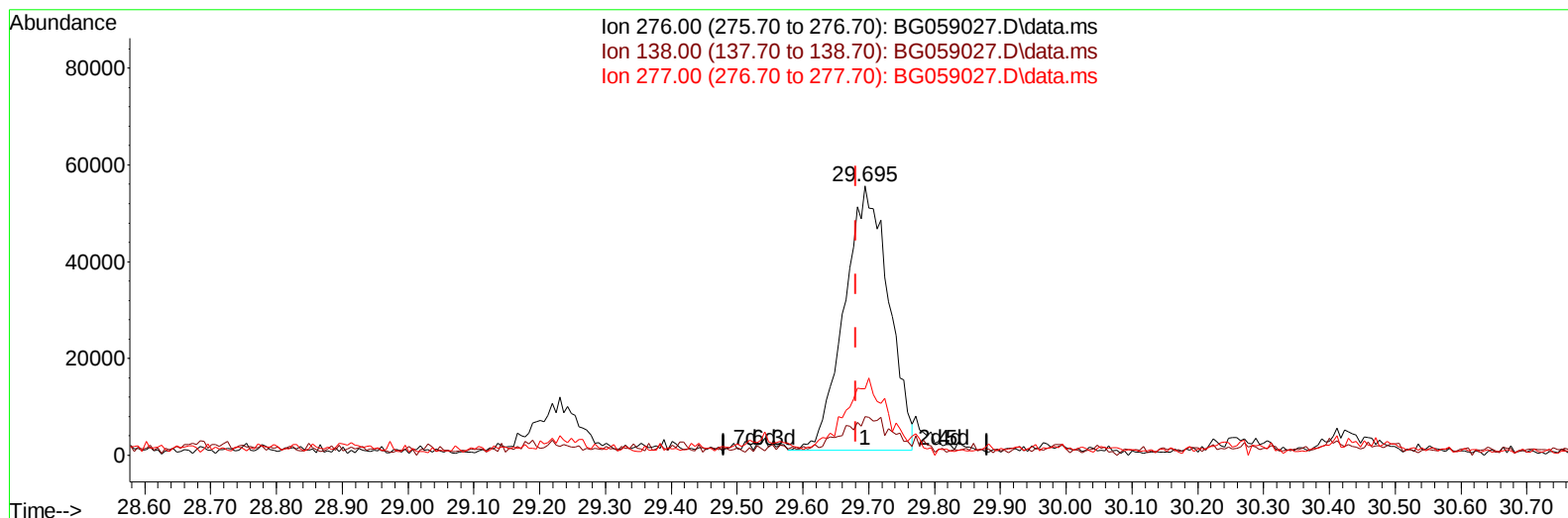
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
 Data File : BG059027.D
 Acq On : 13 Sep 2023 2:52
 Operator : MA/JU
 Sample : 04175-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYG7

Manual IntegrationsAPPROVED

Quant Time: Sep 13 04:29:41 2023
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 Supervised By :mohammad ahmed 09/14/2023



TIC: BG059027.D\data.ms

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

29.695min (+ 0.014) 5.81 ng/u1

response 255418

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	14.80	14.33
277.00	25.90	24.65
0.00	0.00	0.00

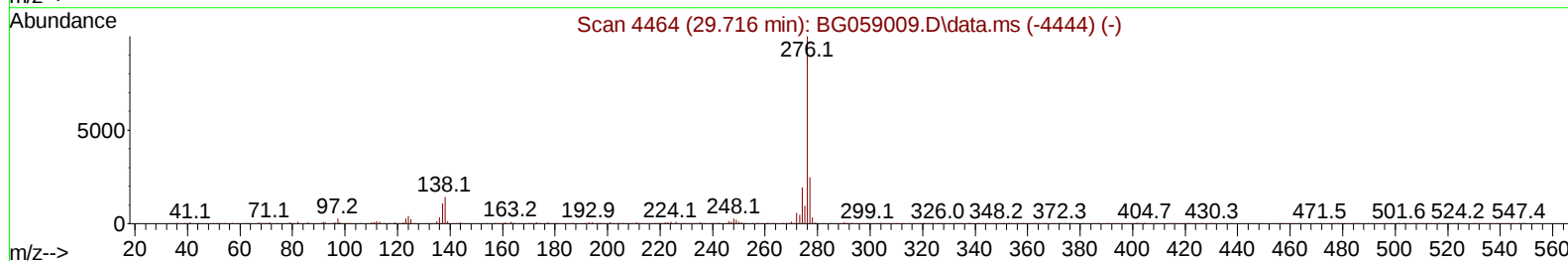
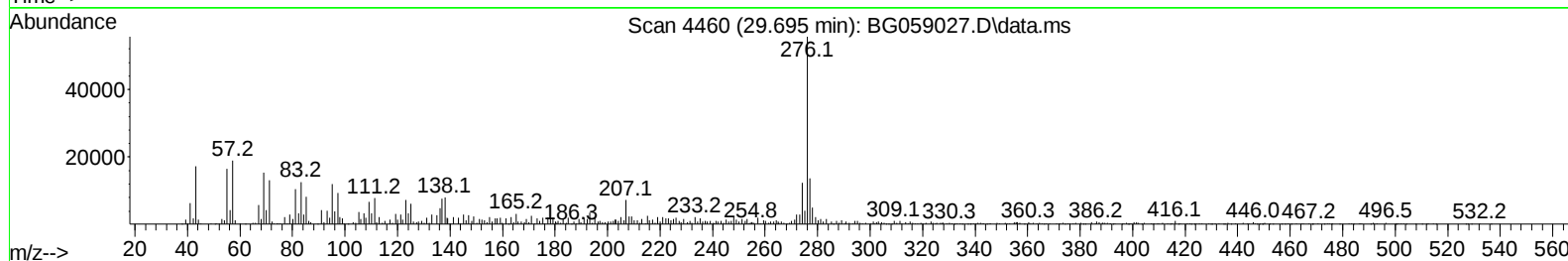
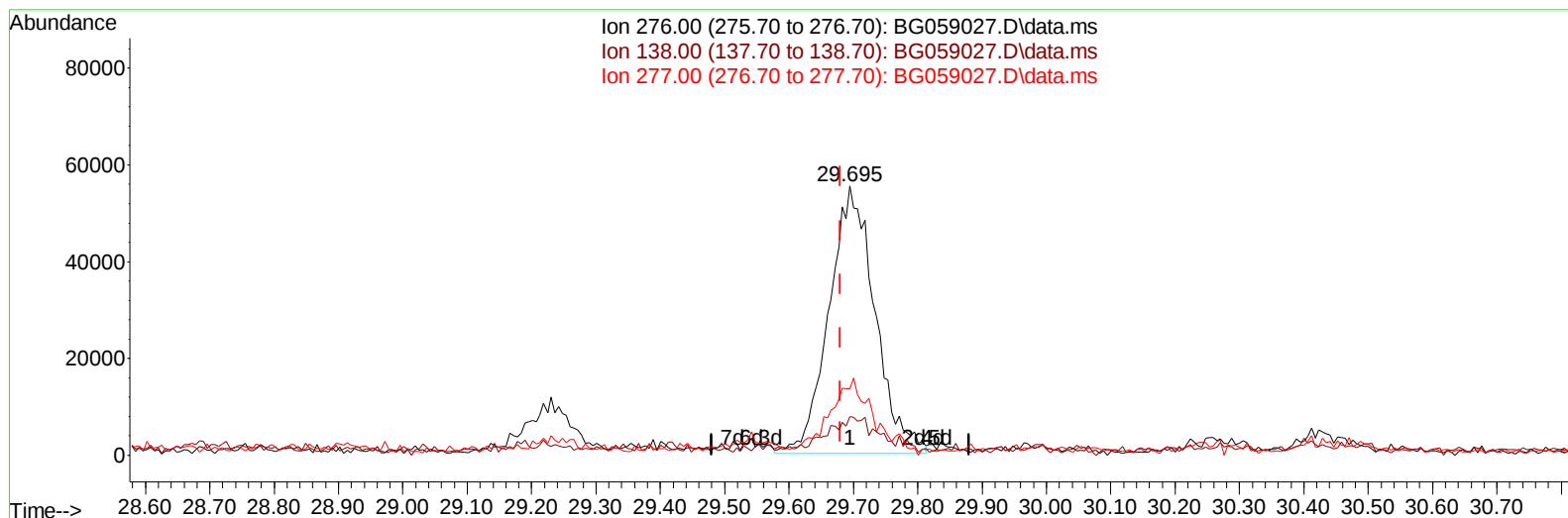
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
 Data File : BG059027.D
 Acq On : 13 Sep 2023 2:52
 Operator : MA/JU
 Sample : 04175-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EYZG7

Manual IntegrationsAPPROVED

Quant Time: Sep 13 04:29:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
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Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023



TIC: BG059027.D\data.ms

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

29.695min (+ 0.014) 6.25 ng/ul m

response 274647

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	14.80	14.33
277.00	25.90	24.65
0.00	0.00	0.00

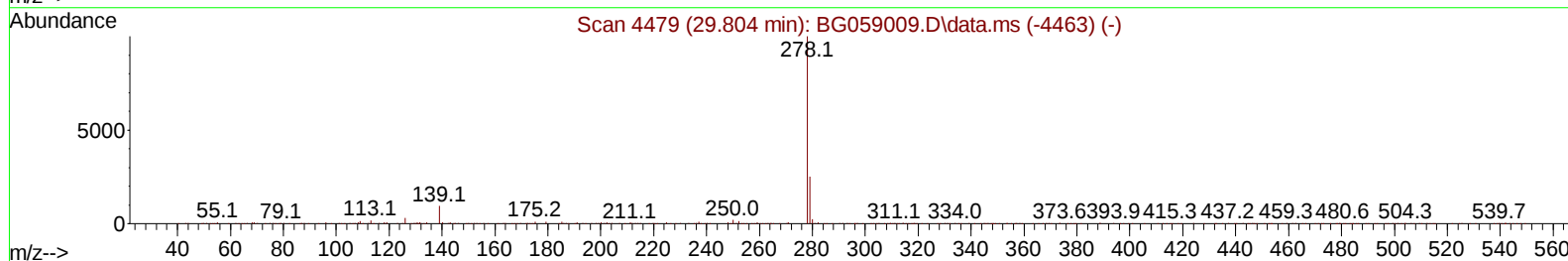
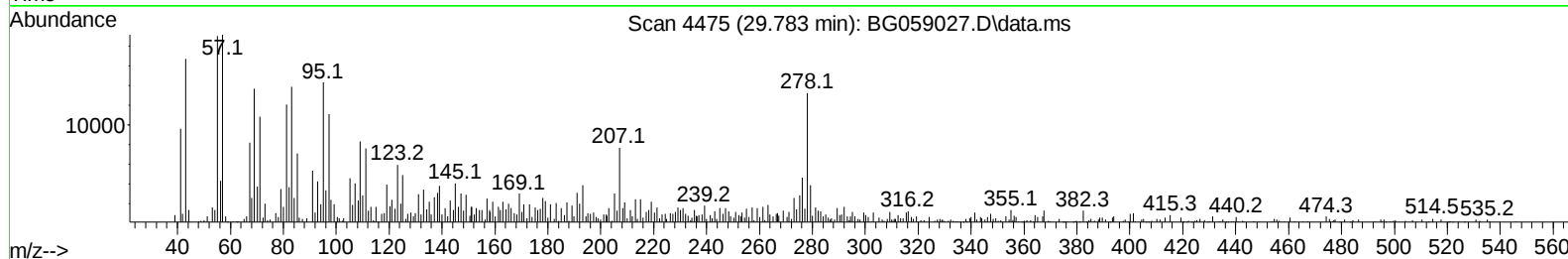
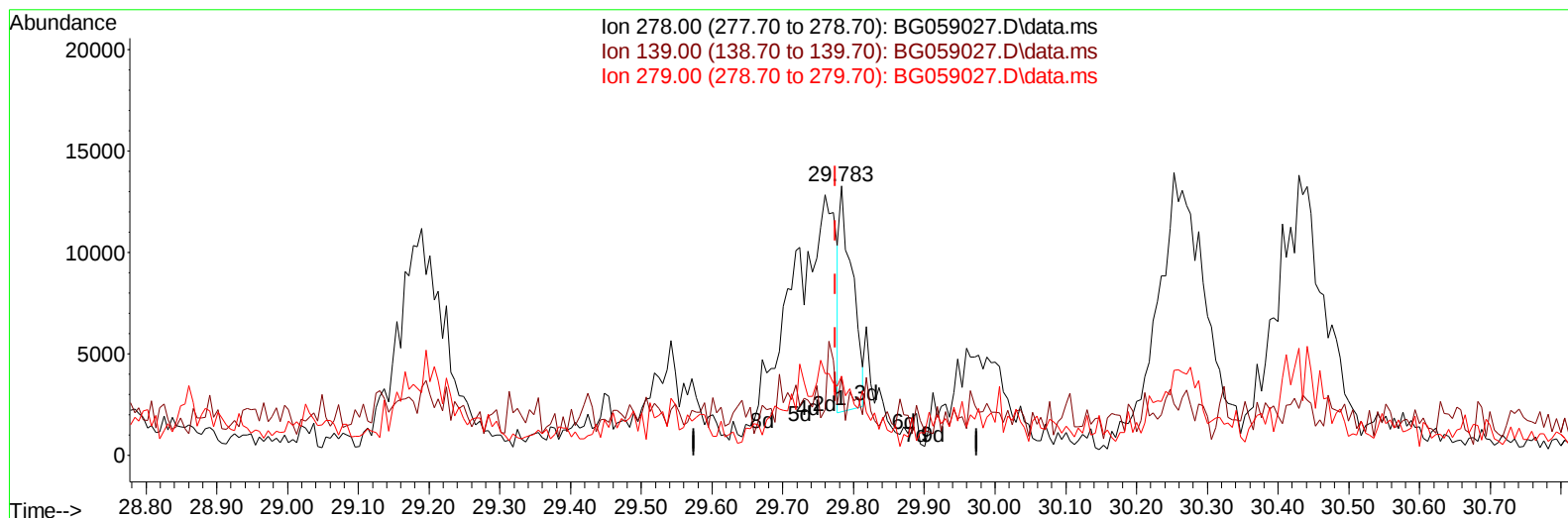
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
Data File : BG059027.D
Acq On : 13 Sep 2023 2:52
Operator : MA/JU
Sample : 04175-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EZYG7

Manual IntegrationsAPPROVED

Quant Time: Sep 13 04:30:31 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 12 23:54:19 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



TIC: BG059027.D\data.ms

(95) Dibenzo(a,h)anthracene

29.783min (+ 0.009) 0.38 ng/u1

response 13692

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	12.30	29.06#
279.00	23.10	29.34#
0.00	0.00	0.00

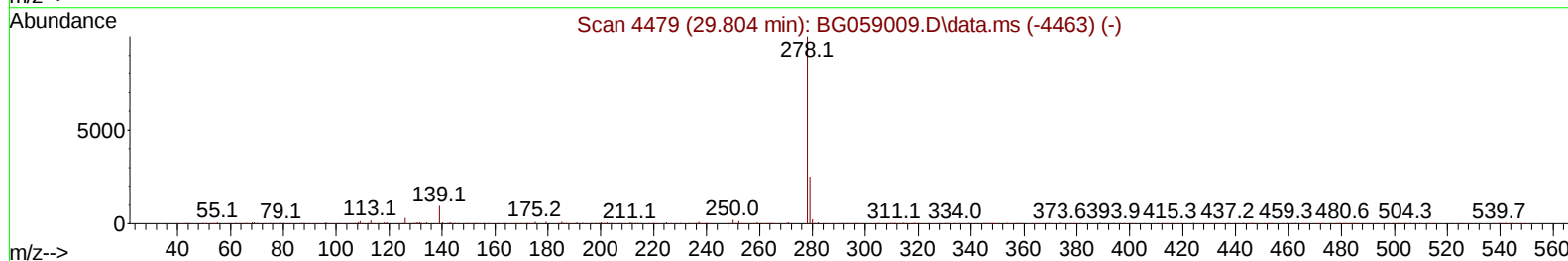
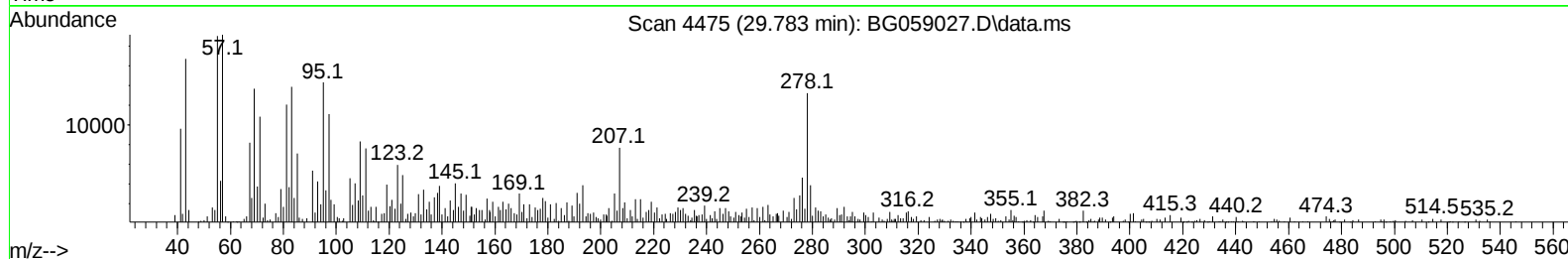
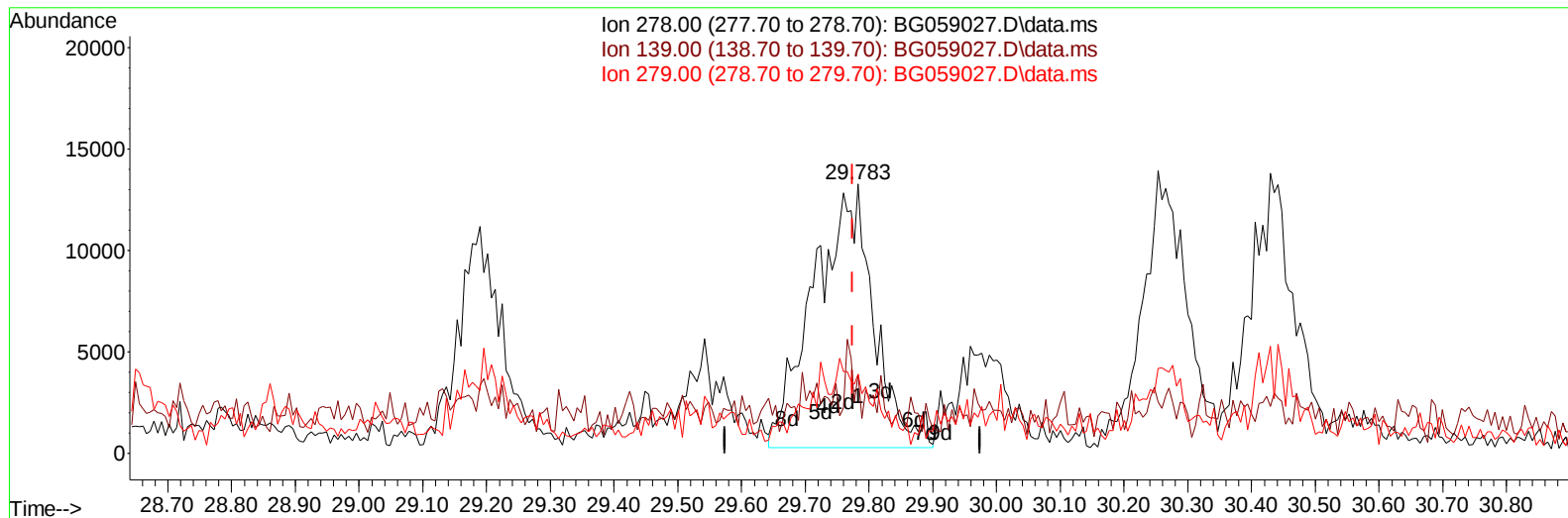
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
Data File : BG059027.D
Acq On : 13 Sep 2023 2:52
Operator : MA/JU
Sample : 04175-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EZYG7

Manual IntegrationsAPPROVED

Quant Time: Sep 13 04:30:31 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 12 23:54:19 2023
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Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



TIC: BG059027.D\data.ms

(95) Dibenzo(a,h)anthracene

29.783min (+ 0.009) 2.32 ng/ul m

response 84433

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	12.30	29.06#
279.00	23.10	29.34#
0.00	0.00	0.00

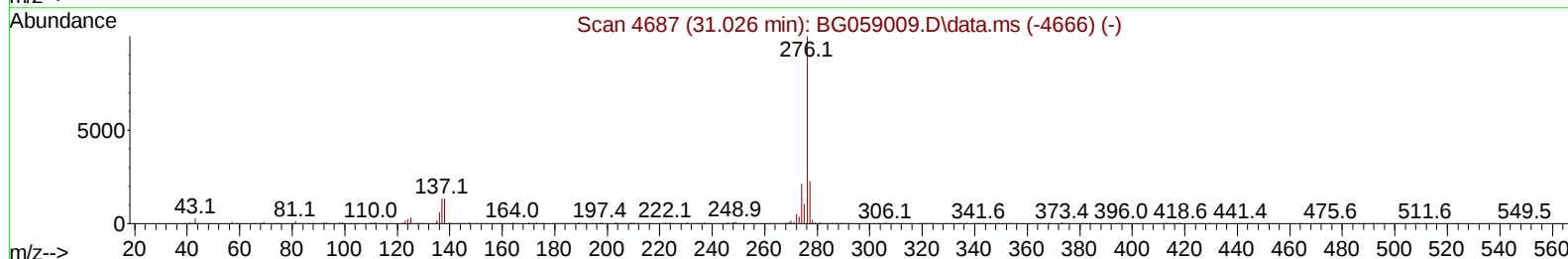
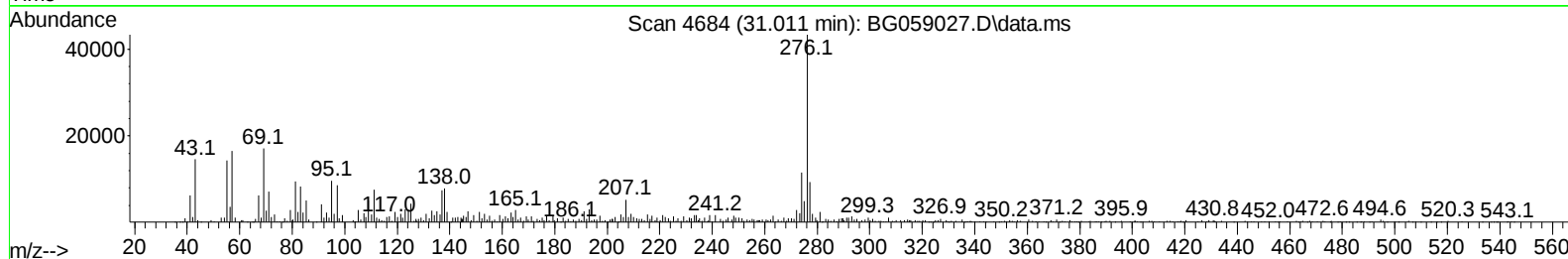
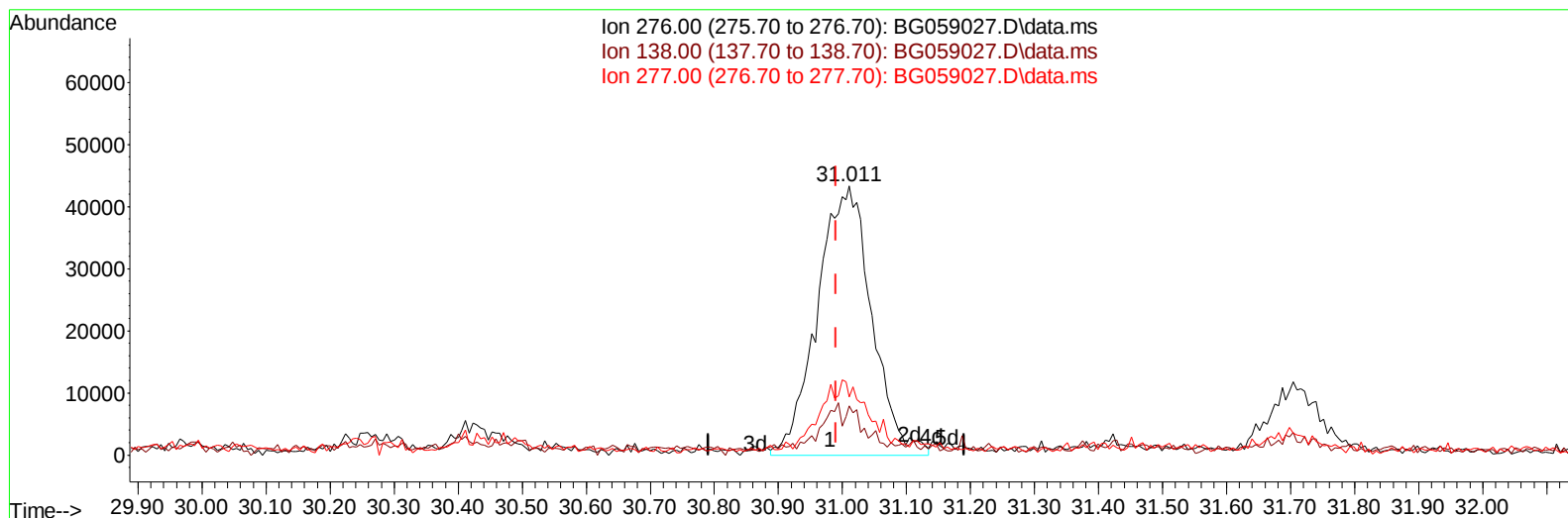
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
 Data File : BG059027.D
 Acq On : 13 Sep 2023 2:52
 Operator : MA/JU
 Sample : 04175-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYG7

Manual IntegrationsAPPROVED

Quant Time: Sep 13 04:30:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 12 23:54:19 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023



TIC: BG059027.D\data.ms

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

31.011min (+ 0.020) 7.31 ng/ul m

response 254415

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	14.30	18.41#
277.00	21.80	21.70
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
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Manual IntegrationsAPPROVED

Quant Time: Sep 13 04:31:21 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.314	152	83958	20.000	ng/ul	0.00
20) Naphthalene-d8	11.152	136	383143	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.942	164	265010	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.685	188	606262	20.000	ng/ul	# 0.00
79) Chrysene-d12	22.016	240	535970	20.000	ng/ul	# 0.00
88) Perylene-d12	25.582	264	625889	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.631	96	3506m	1.775	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	7.421	99	85699	10.122	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.632	67	57541	11.590	ng/ul	0.00
11) 2-Chlorophenol-d4	7.826	132	59955	11.041	ng/ul	0.00
15) 4-Methylphenol-d8	8.990	113	35176	5.378	ng/ul	0.00
21) Nitrobenzene-d5	9.501	128	35816	12.887	ng/ul	0.00
24) 2-Nitrophenol-d4	10.224	143	44488	14.589	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.746	165	79901	12.328	ng/ul	0.00
31) 4-Chloroaniline-d4	11.293	131	35080	4.025	ng/ul	0.00
46) Dimethylphthalate-d6	14.330	166	325332	15.826	ng/ul	0.00
49) Acenaphthylene-d8	14.642	160	367478	16.053	ng/ul	0.00
54) 4-Nitrophenol-d4	15.100	143	25198	7.380	ng/ul	0.00
60) Fluorene-d10	15.923	176	300733	16.485	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.023	200	27055	9.091	ng/ul	0.00
73) Anthracene-d10	17.785	188	458618	17.040	ng/ul	0.00
81) Pyrene-d10	20.059	212	506756	17.849	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.335	264	502818	16.388	ng/ul	0.01
Target Compounds						
					Qvalue	
16) Acetophenone	9.154	105	20383m	1.880	ng/ul	
30) Naphthalene	11.205	128	80243	3.973	ng/ul#	95
36) 2-Methylnaphthalene	12.785	142	50479	3.350	ng/ul#	79
37) 1-Methylnaphthalene	13.008	142	34735	2.337	ng/ul#	78
44) 2-Chloronaphthalene	13.831	162	46234	3.056	ng/ul	97
52) Acenaphthene	15.000	153	35770	2.136	ng/ul	96
56) Dibenzofuran	15.329	168	36743	1.515	ng/ul#	88
61) Fluorene	15.981	166	63151m	3.168	ng/ul	
67) N-Nitrosodiphenylamine	16.181	169	165457	10.354	ng/ul	100
72) Phenanthrene	17.732	178	619554	20.136	ng/ul	98
74) Anthracene	17.820	178	146639	4.689	ng/ul	98
77) Carbazole	18.097	167	62839	2.400	ng/ul#	84
80) Fluoranthene	19.724	202	827419	25.096	ng/ul	99
82) Pyrene	20.094	202	722564	21.081	ng/ul	99
85) Benzo(a)anthracene	21.992	228	383123	10.659	ng/ul#	91
87) Chrysene	22.068	228	420751	12.592	ng/ul#	91
90) Benzo(b)fluoranthene	24.425	252	588575m	15.786	ng/ul	
91) Benzo(k)fluoranthene	24.501	252	167565m	4.398	ng/ul	
93) Benzo(a)pyrene	25.406	252	356488	10.248	ng/ul#	93
94) Indeno(1,2,3-cd)pyrene	29.695	276	274647m	6.248	ng/ul	
95) Dibenzo(a,h)anthracene	29.783	278	84433m	2.318	ng/ul	
96) Benzo(g,h,i)perylene	31.011	276	254415m	7.313	ng/ul	

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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev	(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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