

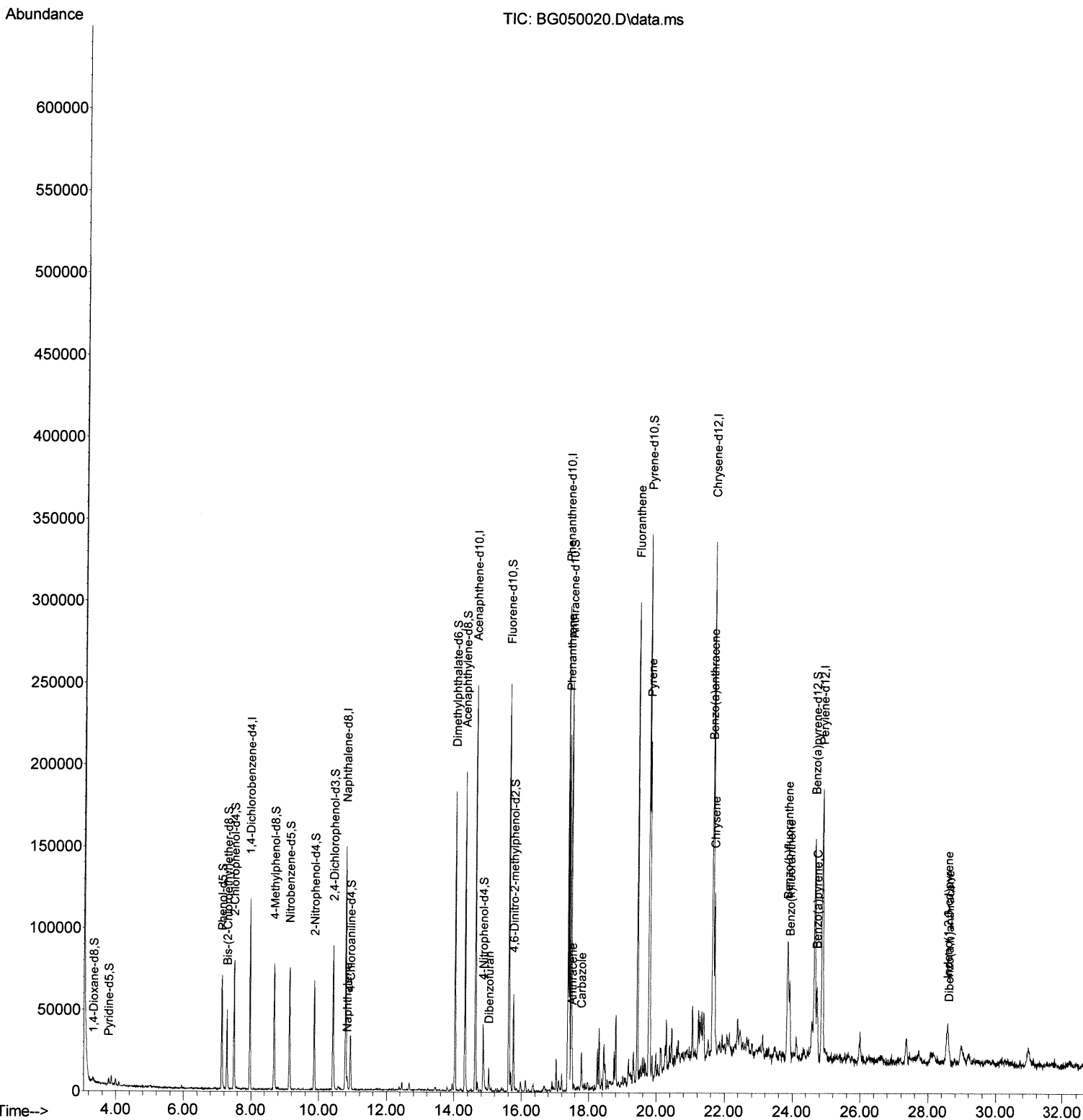
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050020.D
Acq On : 28 Aug 2021 7:22
Operator : CG/JU
Sample : M3458-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
C0AW3

Manual Integrations
APPROVED

mohammad
8/30/2021 10:33:32 AM

Quant Time: Aug 29 02:24:00 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration



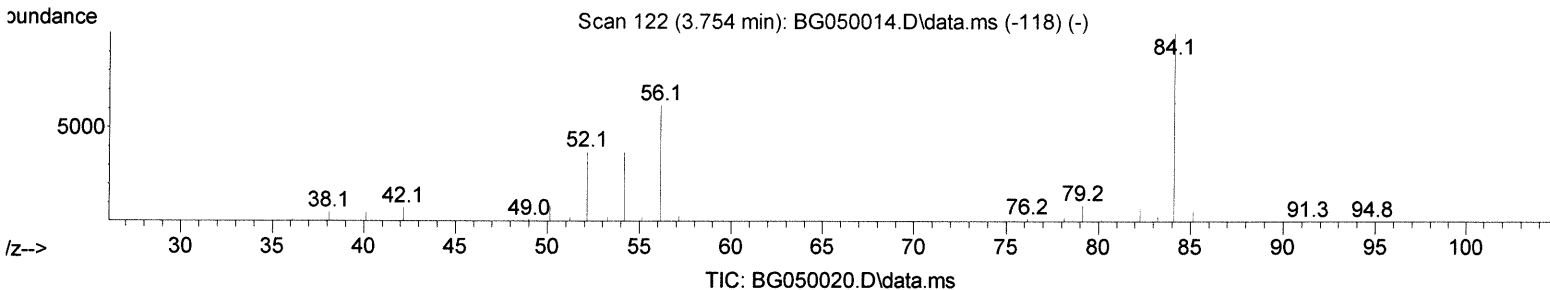
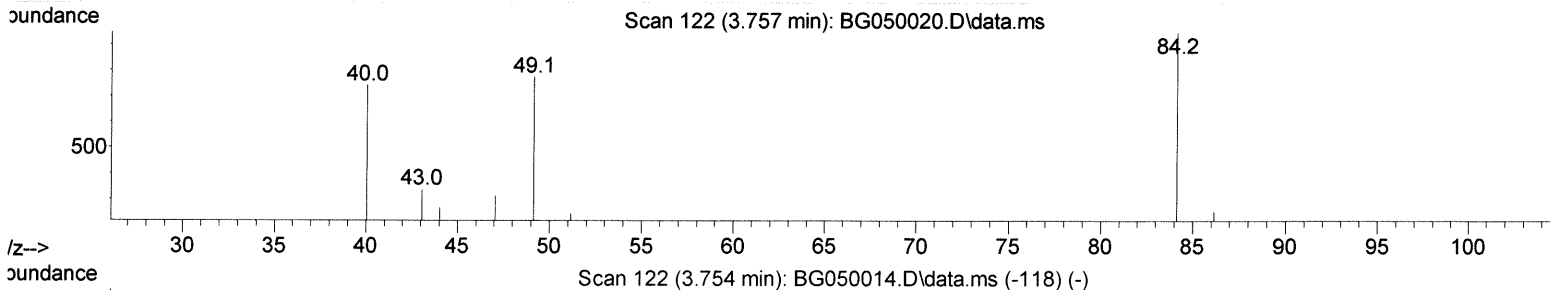
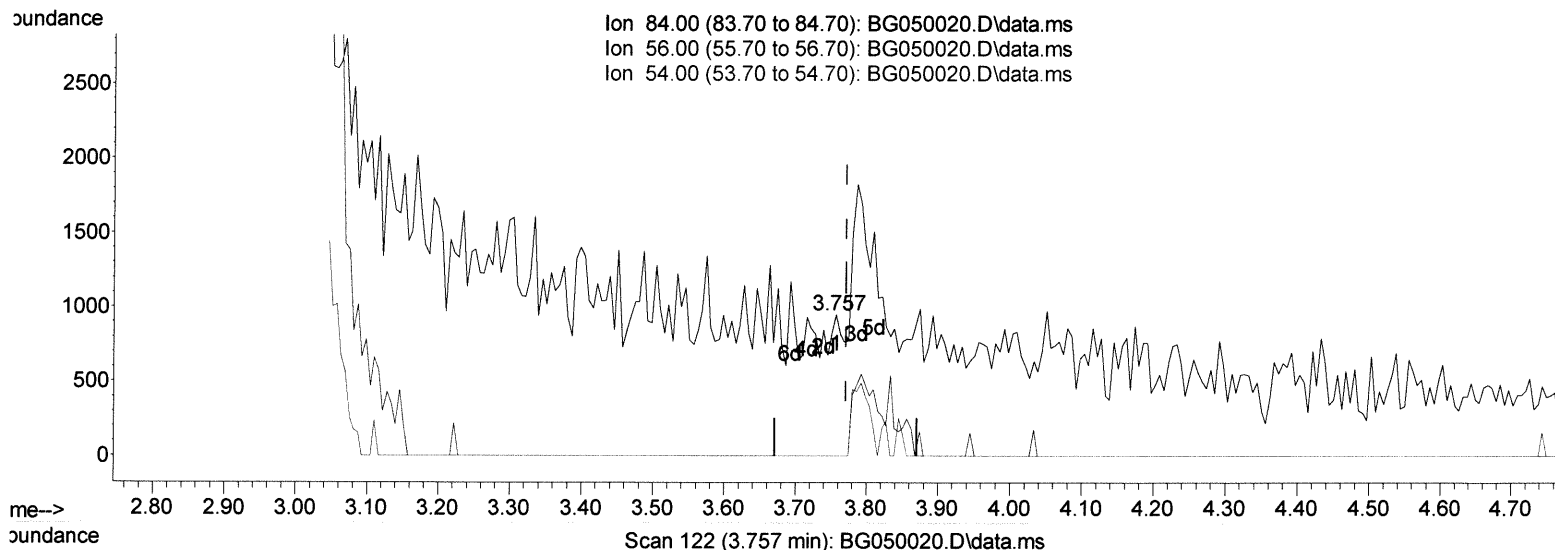
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
 Data File : BG050020.D
 Acq On : 28 Aug 2021 7:22
 Operator : CG/JU
 Sample : M3458-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AW3

Manual Integrations
 APPROVED

mohammad
 8/30/2021 10:33:32 AM

Quant Time: Aug 29 02:24:00 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 27 11:22:49 2021
 Response via : Initial Calibration



(4) Pyridine-d5 (S)

3.757min (-0.015) 0.12 ng/ul

response 226

Ion	Exp%	Act%
84.00	100.00	100.00
56.00	54.30	0.00#
54.00	37.00	0.00#
0.00	0.00	0.00

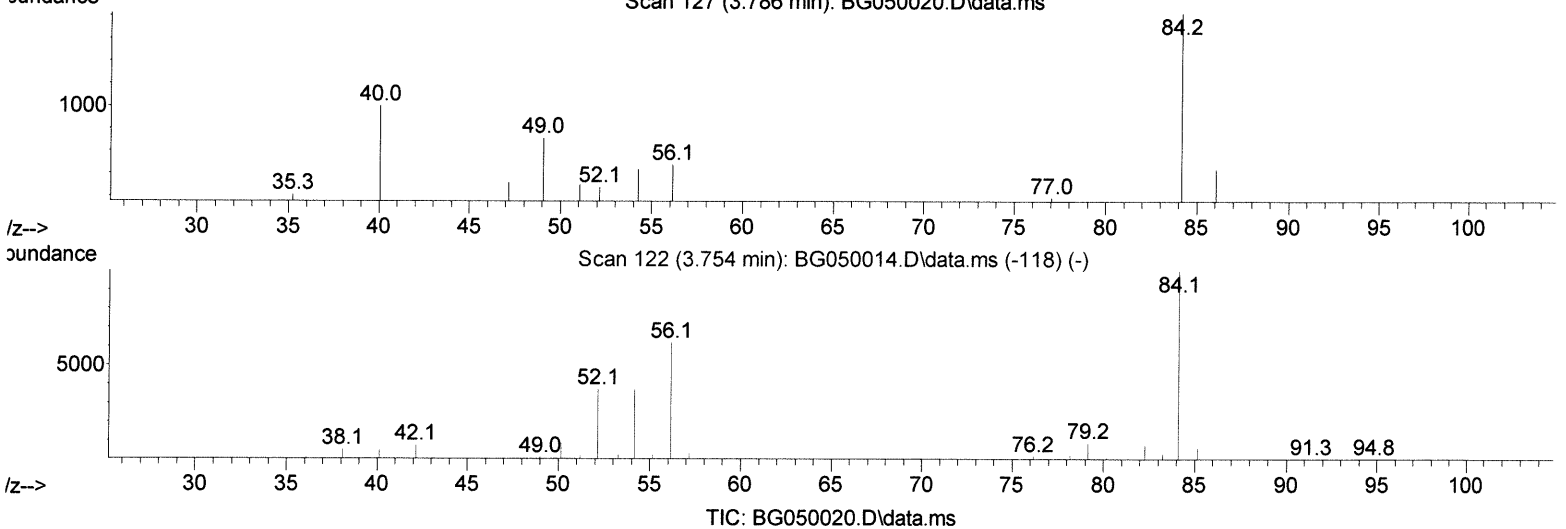
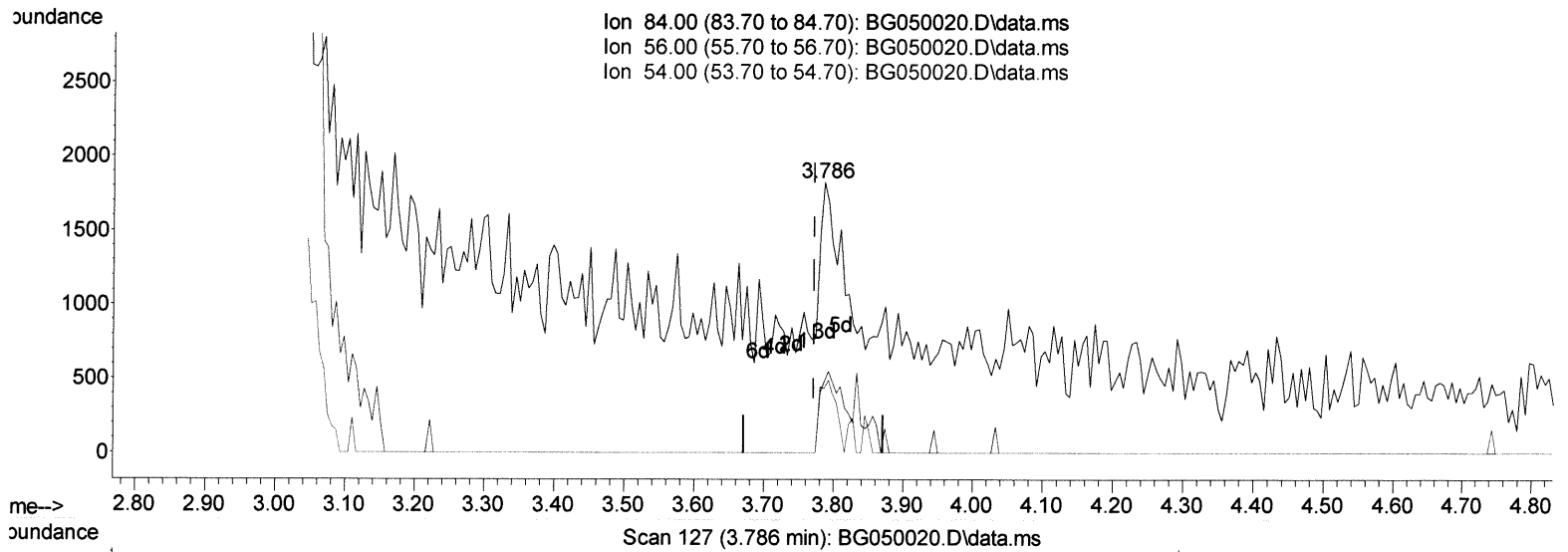
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
 Data File : BG050020.D
 Acq On : 28 Aug 2021 7:22
 Operator : CG/JU
 Sample : M3458-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AW3

Manual Integrations
 APPROVED

mohammad
 8/30/2021 10:33:32 AM

Quant Time: Aug 29 02:24:00 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 27 11:22:49 2021
 Response via : Initial Calibration



(4) Pyridine-d5 (S)

3.786min (+ 0.015) 1.05 ng/ul m

response 1988

Ion	Exp%	Act%
84.00	100.00	100.00
56.00	54.30	26.15#
54.00	37.00	23.79#
0.00	0.00	0.00

ju 8/31/21

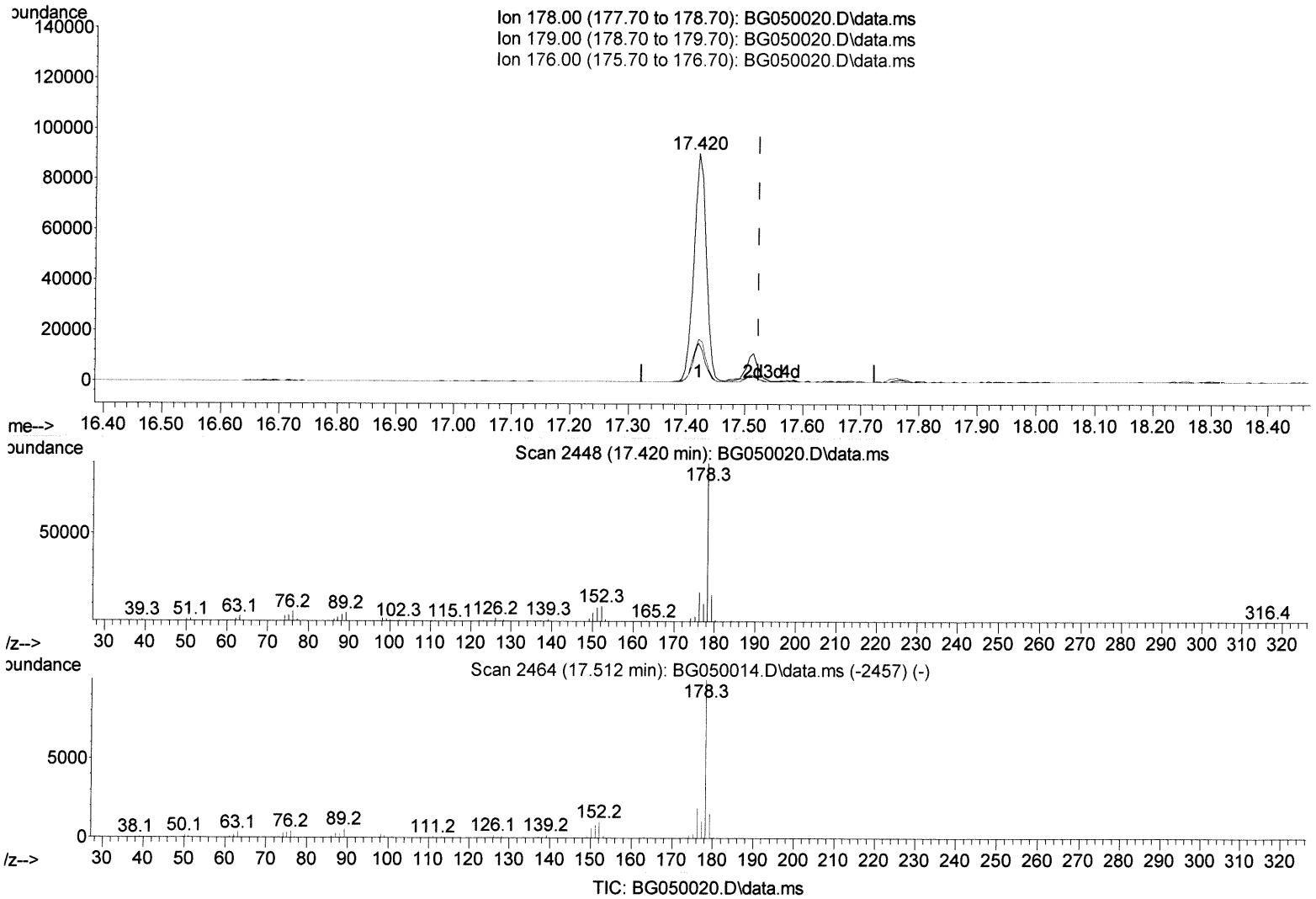
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
 Data File : BG050020.D
 Acq On : 28 Aug 2021 7:22
 Operator : CG/JU
 Sample : M3458-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AW3

Manual Integrations
 APPROVED

mohammad
 8/30/2021 10:33:32 AM

Quant Time: Aug 29 02:24:00 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 27 11:22:49 2021
 Response via : Initial Calibration



(74) Anthracene

17.420min (-0.103) 15.18 ng/ul

response 134006

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	14.20	16.82
176.00	16.00	18.55
0.00	0.00	0.00

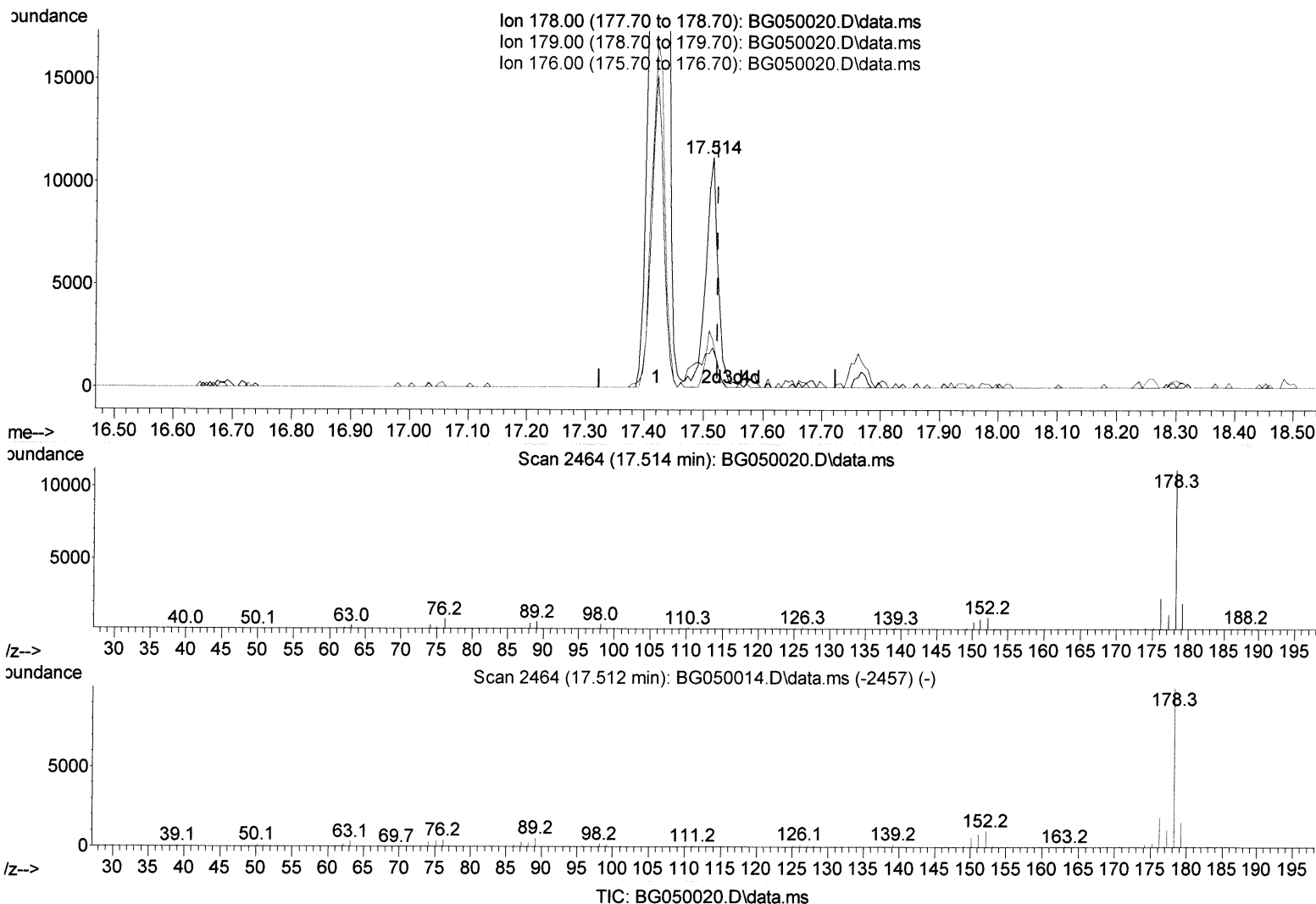
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
 Data File : BG050020.D
 Acq On : 28 Aug 2021 7:22
 Operator : CG/JU
 Sample : M3458-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AW3

Manual Integrations
 APPROVED

mohammad
 8/30/2021 10:33:32 AM

Quant Time: Aug 29 02:24:00 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 27 11:22:49 2021
 Response via : Initial Calibration



(74) Anthracene

17.514min (-0.009) 1.80 ng/ul m

response 15872

Ion Exp% Act%

178.00 100.00 100.00

179.00 14.20 17.21#

176.00 16.00 20.61#

0.00 0.00 0.00

JU 8/31/21

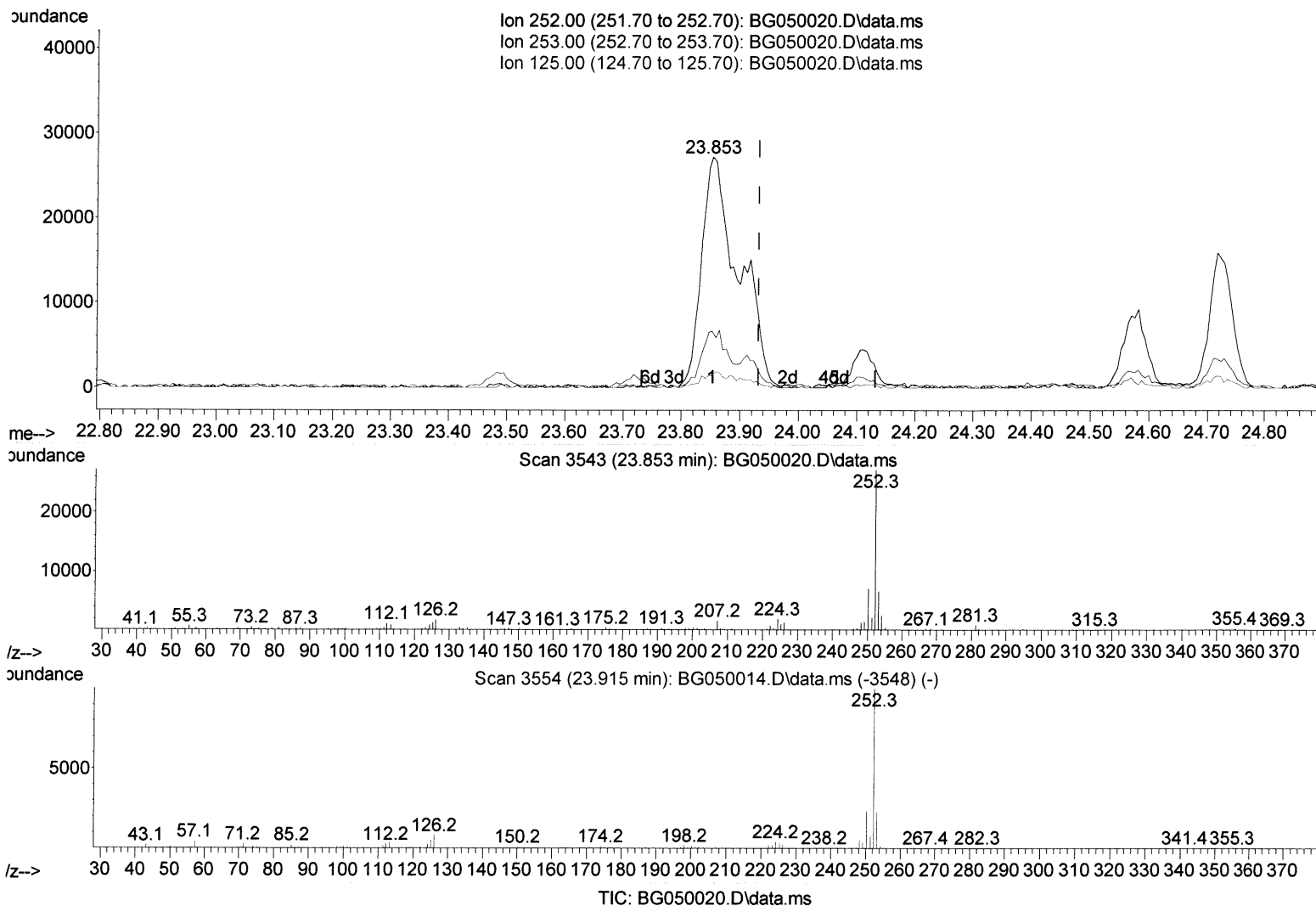
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
 Data File : BG050020.D
 Acq On : 28 Aug 2021 7:22
 Operator : CG/JU
 Sample : M3458-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AW3

Manual Integrations
 APPROVED

mohammad
 8/30/2021 10:33:32 AM

Quant Time: Aug 29 02:24:00 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 27 11:22:49 2021
 Response via : Initial Calibration



(91) Benzo(k)fluoranthene

23.853min (-0.079) 8.85 ng/ul

response 91242

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.10	24.41
125.00	5.10	5.09
0.00	0.00	0.00

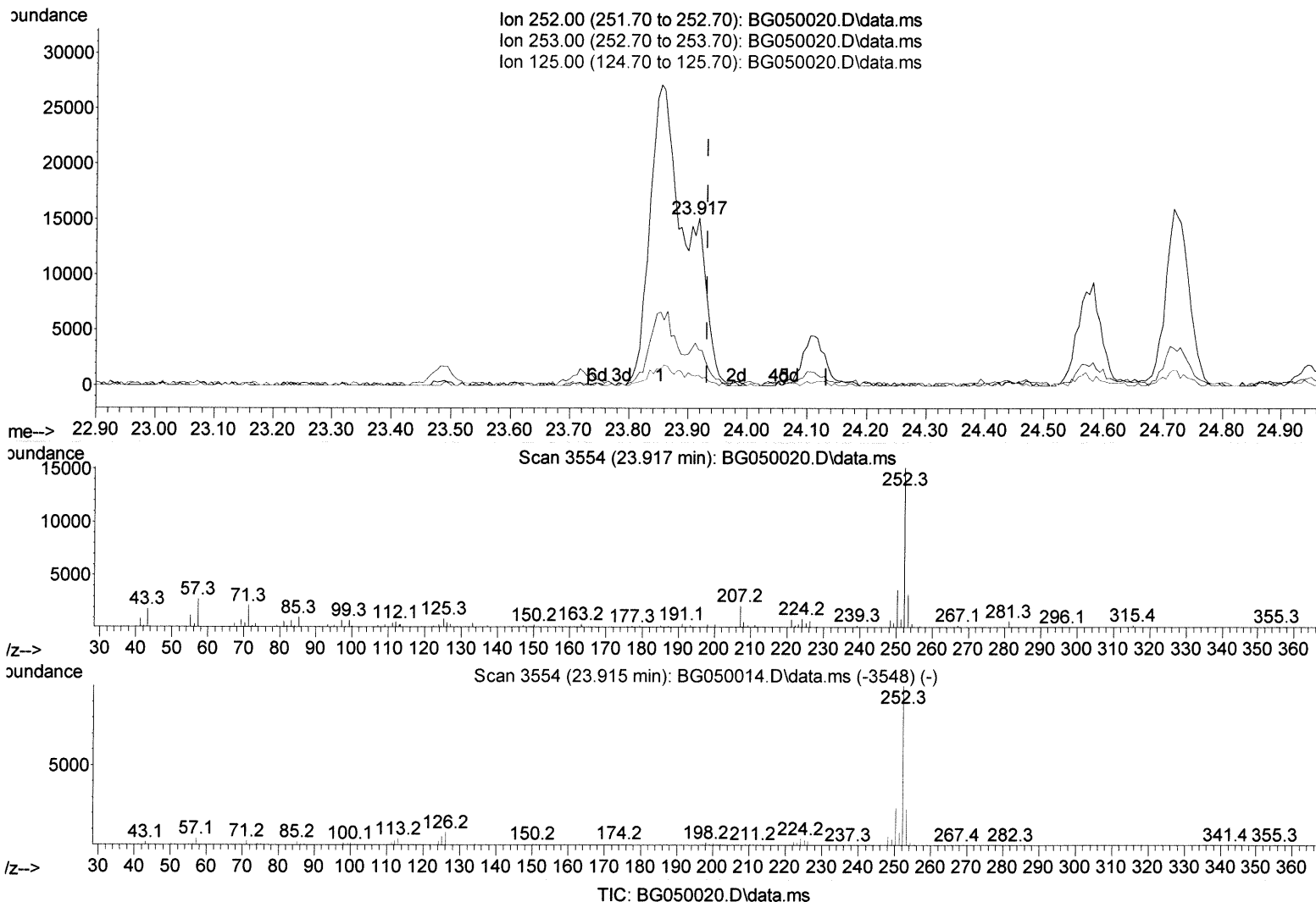
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
 Data File : BG050020.D
 Acq On : 28 Aug 2021 7:22
 Operator : CG/JU
 Sample : M3458-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AW3

Manual Integrations
 APPROVED

mohammad
 8/30/2021 10:33:32 AM

Quant Time: Aug 29 02:24:00 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 27 11:22:49 2021
 Response via : Initial Calibration



(91) Benzo(k)fluoranthene

23.917min (-0.015) 2.64 ng/ul m

response 27172

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.10	21.10
125.00	5.10	6.08
0.00	0.00	0.00

JU 8/31/21

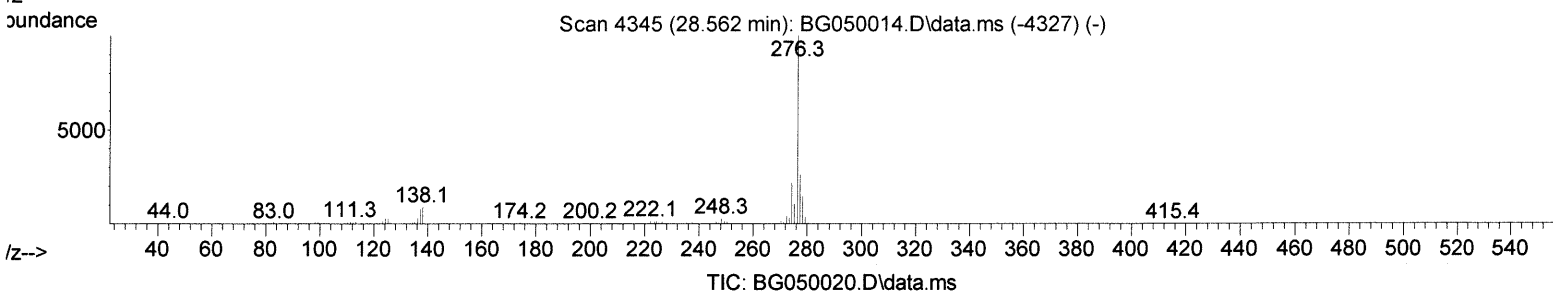
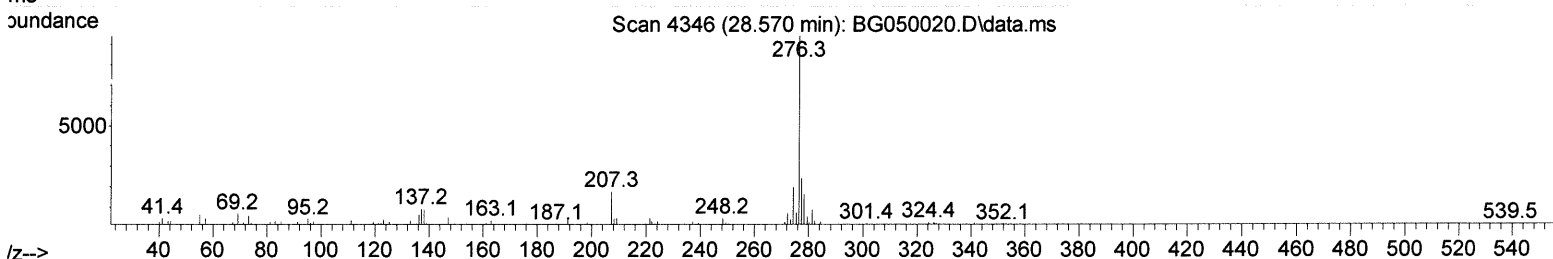
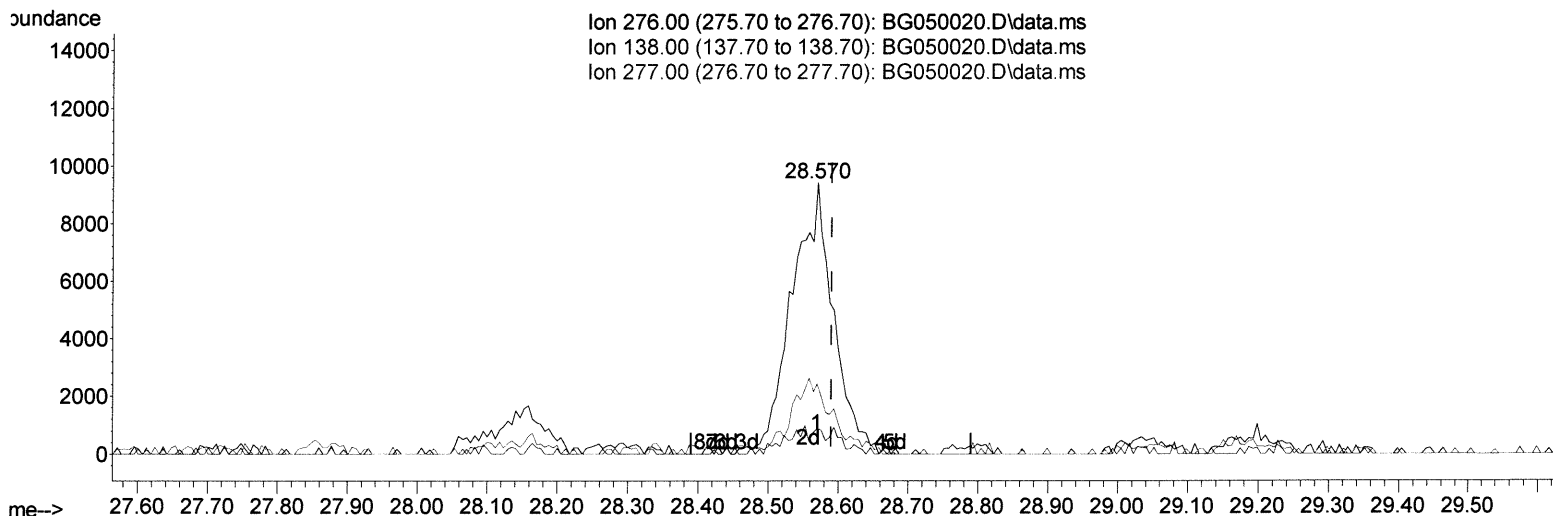
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
 Data File : BG050020.D
 Acq On : 28 Aug 2021 7:22
 Operator : CG/JU
 Sample : M3458-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AW3

Manual Integrations
 APPROVED

mohammad
 8/30/2021 10:33:32 AM

Quant Time: Aug 29 02:24:00 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 27 11:22:49 2021
 Response via : Initial Calibration



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

28.570min (-0.021) 1.10 ng/ul

response 13730

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	6.90	9.34#
277.00	23.20	25.76
0.00	0.00	0.00

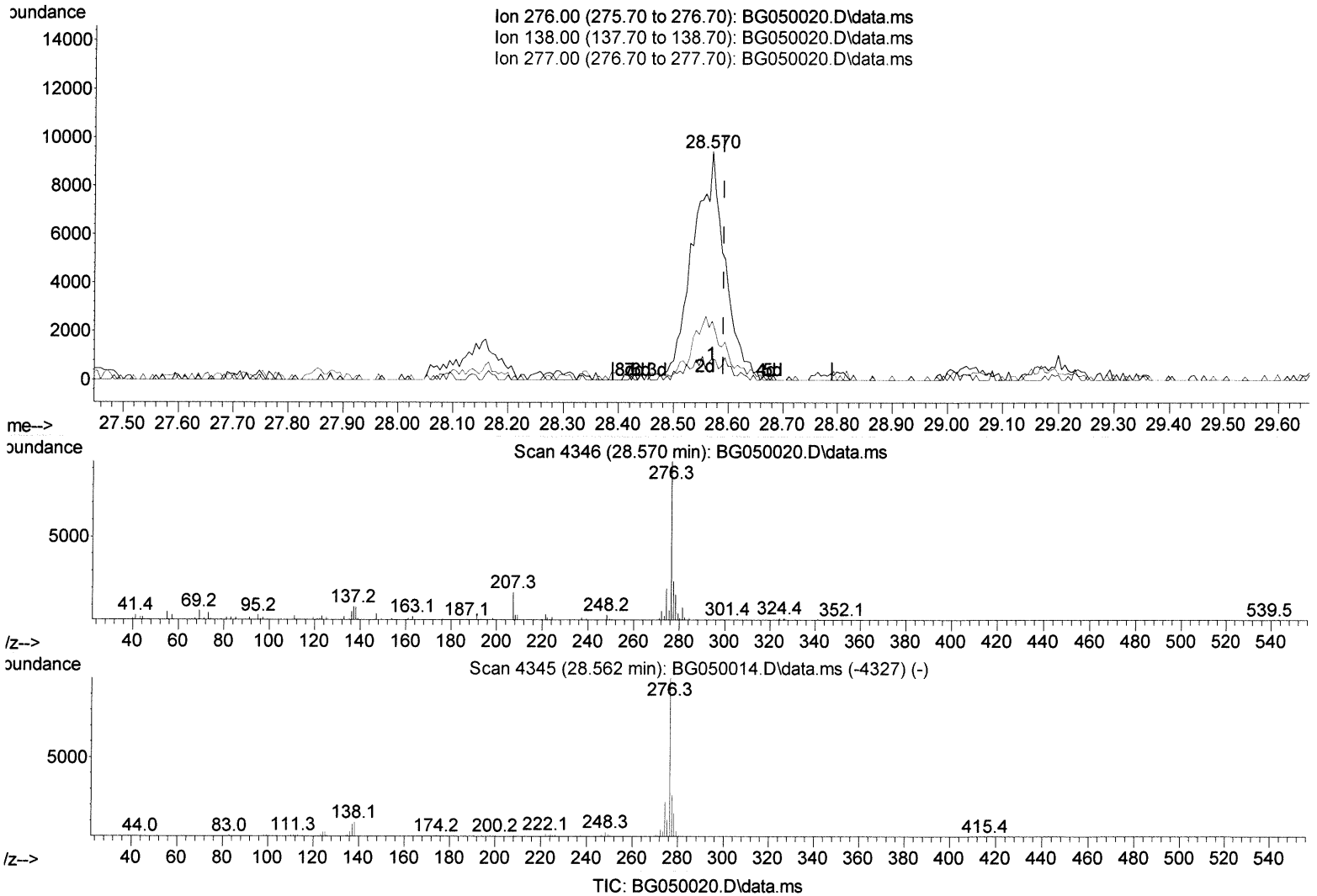
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
 Data File : BG050020.D
 Acq On : 28 Aug 2021 7:22
 Operator : CG/JU
 Sample : M3458-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AW3

Manual Integrations
 APPROVED

mohammad
 8/30/2021 10:33:32 AM

Quant Time: Aug 29 02:24:00 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 27 11:22:49 2021
 Response via : Initial Calibration



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

28.570min (-0.021) 3.10 ng/ul m

response 38562

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	6.90	9.34#
277.00	23.20	25.76
0.00	0.00	0.00

54830/21

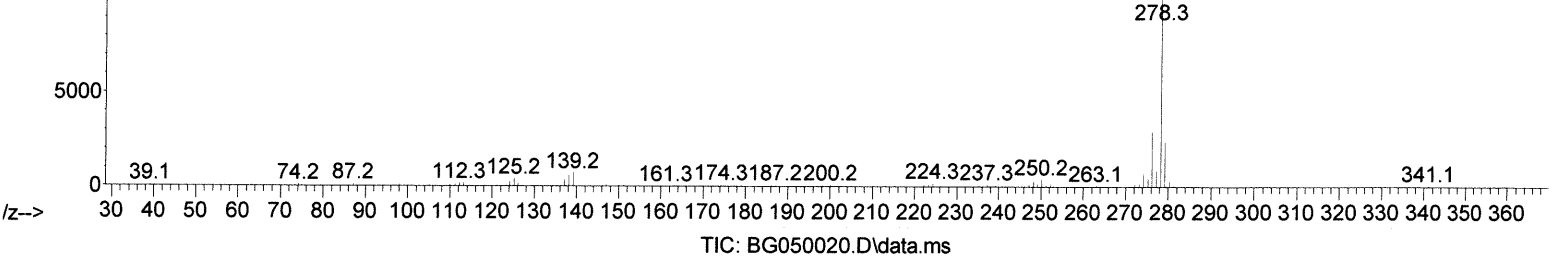
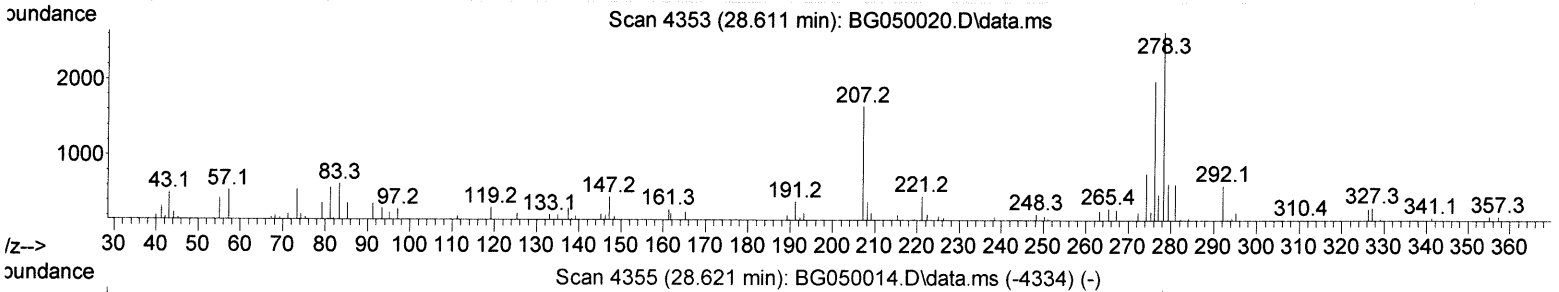
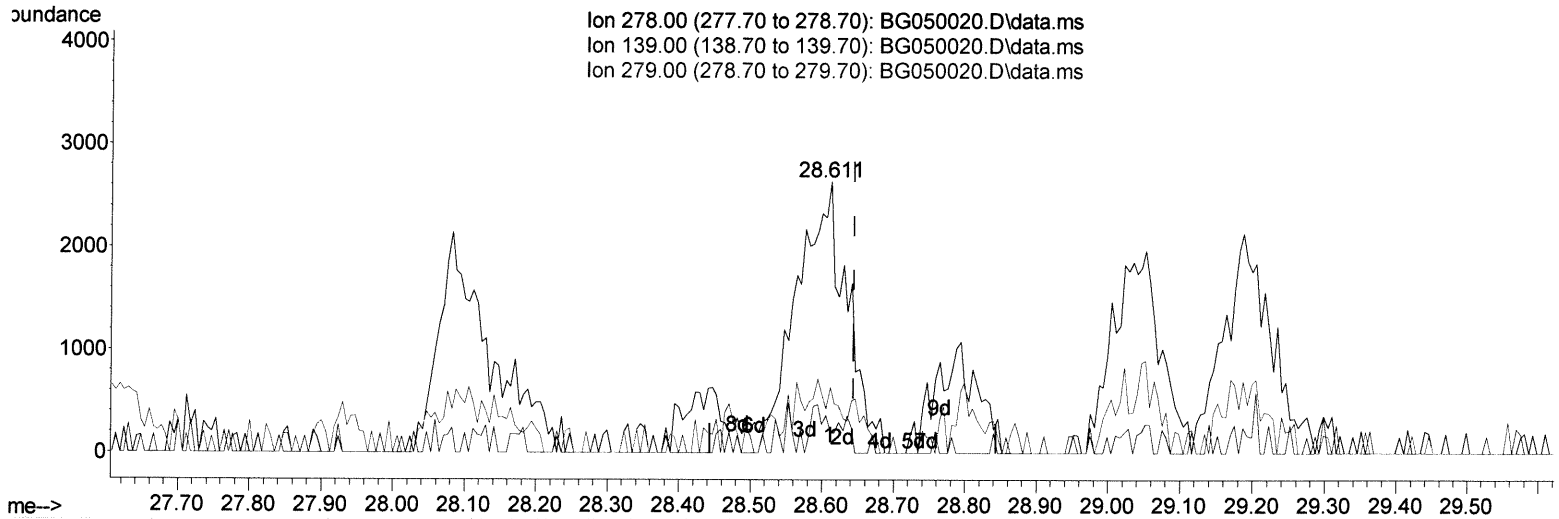
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
 Data File : BG050020.D
 Acq On : 28 Aug 2021 7:22
 Operator : CG/JU
 Sample : M3458-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AW3

Manual Integrations
 APPROVED

mohammad
 8/30/2021 10:33:32 AM

Quant Time: Aug 29 02:24:00 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 27 11:22:49 2021
 Response via : Initial Calibration



(95) Dibenzo (a,h) anthracene

28.611min (-0.032) 0.19 ng/ul

response 1972

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	6.50	7.81#
279.00	23.70	24.11
0.00	0.00	0.00

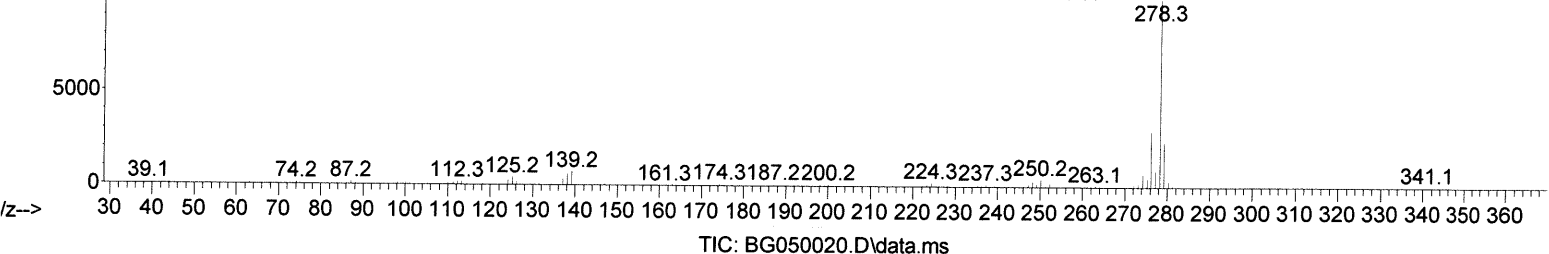
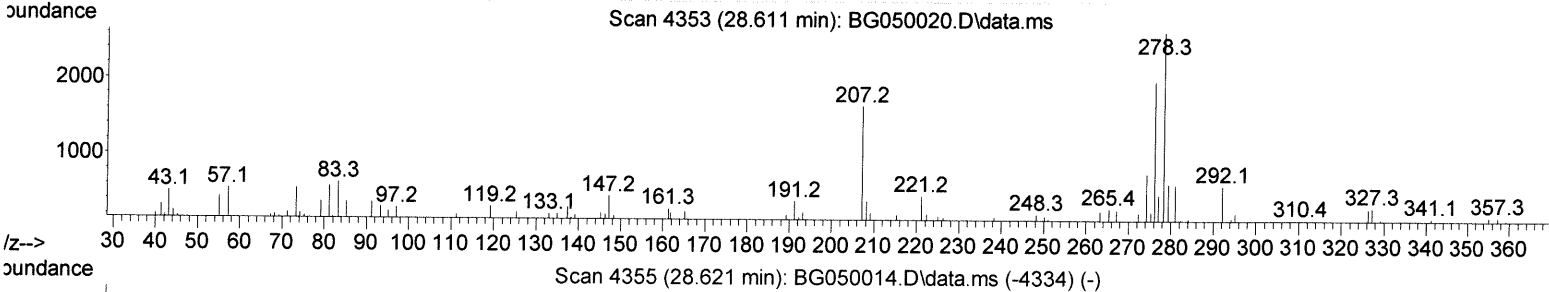
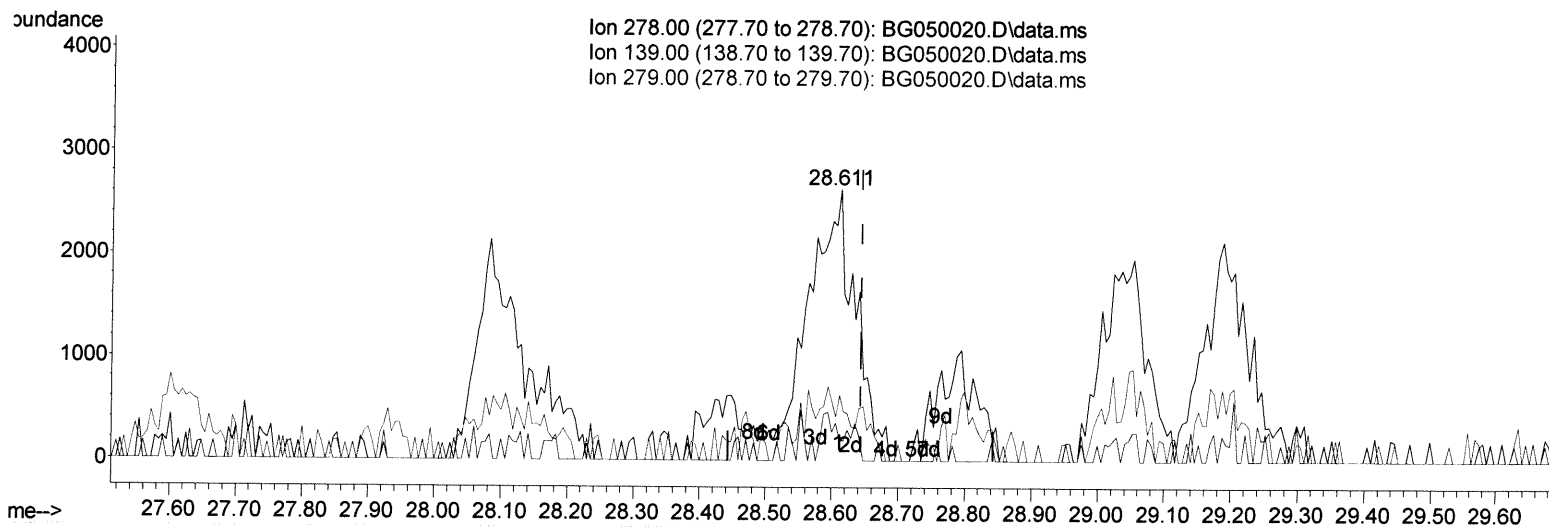
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
 Data File : BG050020.D
 Acq On : 28 Aug 2021 7:22
 Operator : CG/JU
 Sample : M3458-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AW3

Manual Integrations
 APPROVED

mohammad
 8/30/2021 10:33:32 AM

Quant Time: Aug 29 02:24:00 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 27 11:22:49 2021
 Response via : Initial Calibration



(95) Dibenzo(a,h)anthracene

28.611min (-0.032) 1.23 ng/ul m

response 12769

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	6.50	7.81#
279.00	23.70	24.11
0.00	0.00	0.00

JU 8/31/21

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
 Data File : BG050020.D
 Acq On : 28 Aug 2021 7:22
 Operator : CG/JU
 Sample : M3458-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AW3

Manual Integrations
 APPROVED

mohammad
 8/30/2021 10:33:32 AM

Quant Time: Aug 29 02:24:00 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
 Quant Title : SVOA CALIBRATION
 Last Update : Fri Aug 27 11:22:49 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	32513	20.000	ng/ul	-0.02
20) Naphthalene-d8	10.782	136	127307	20.000	ng/ul	-0.02
38) Acenaphthene-d10	14.624	164	85950	20.000	ng/ul	-0.01
64) Phenanthrene-d10	17.379	188	174700	20.000	ng/ul	#-0.01
79) Chrysene-d12	21.650	240	162457	20.000	ng/ul	-0.01
88) Perylene-d12	24.875	264	169572	20.000	ng/ul	-0.02

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.334	96	1652	2.620	ng/uL	0.00
4) Pyridine-d5	3.786	84	1988m)	1.047	ng/ul	0.01
7) Phenol-d5	7.134	99	41423	15.003	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	7.287	67	24368	15.887	ng/ul	-0.02
11) 2-Chlorophenol-d4	7.499	132	35469	17.170	ng/ul	-0.01
15) 4-Methylphenol-d8	8.685	113	28804	13.247	ng/ul	-0.01
21) Nitrobenzene-d5	9.137	128	17839	18.074	ng/ul	-0.01
24) 2-Nitrophenol-d4	9.866	143	20316	17.287	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.418	165	32964	15.726	ng/ul	0.00
31) 4-Chloroaniline-d4	10.923	131	17343	6.079	ng/ul	-0.01
46) Dimethylphthalate-d6	14.025	166	116240	17.671	ng/ul	-0.01
49) Acenaphthylene-d8	14.319	160	141405	18.334	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.853	143	12428	13.059	ng/ul	0.00
60) Fluorene-d10	15.623	176	101652	18.227	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.758	200	13432	11.951	ng/ul	0.00
73) Anthracene-d10	17.479	188	142114	18.115	ng/ul	-0.01
81) Pyrene-d10	19.770	212	169500	19.307	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.658	264	142299	15.818	ng/ul	-0.01

Target Compounds				Qvalue	
30) Naphthalene	10.835	128	6699	1.053	ng/ul# 96
56) Dibenzofuran	15.030	168	7521	1.062	ng/ul 88
72) Phenanthrene	17.420	178	134006	15.387	ng/ul 96
74) Anthracene	17.514	178	15872m)	1.798	ng/ul 94
77) Carbazole	17.785	167	14122	1.798	ng/ul 94
80) Fluoranthene	19.435	202	178267	16.455	ng/ul 99
82) Pyrene	19.800	202	130836	12.188	ng/ul 98
85) Benzo(a)anthracene	21.632	228	70386	6.953	ng/ul 94
87) Chrysene	21.697	228	65578	6.853	ng/ul 94
90) Benzo(b)fluoranthene	23.853	252	91242	8.412	ng/ul# 96
91) Benzo(k)fluoranthene	23.917	252	27172m)	2.635	ng/ul 98
93) Benzo(a)pyrene	24.716	252	42564	4.518	ng/ul# 98
94) Indeno(1,2,3-cd)pyrene	28.570	276	38562m)	3.103	ng/ul 98
95) Dibenzo(a,h)anthracene	28.611	278	12769m)	1.228	ng/ul 98

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