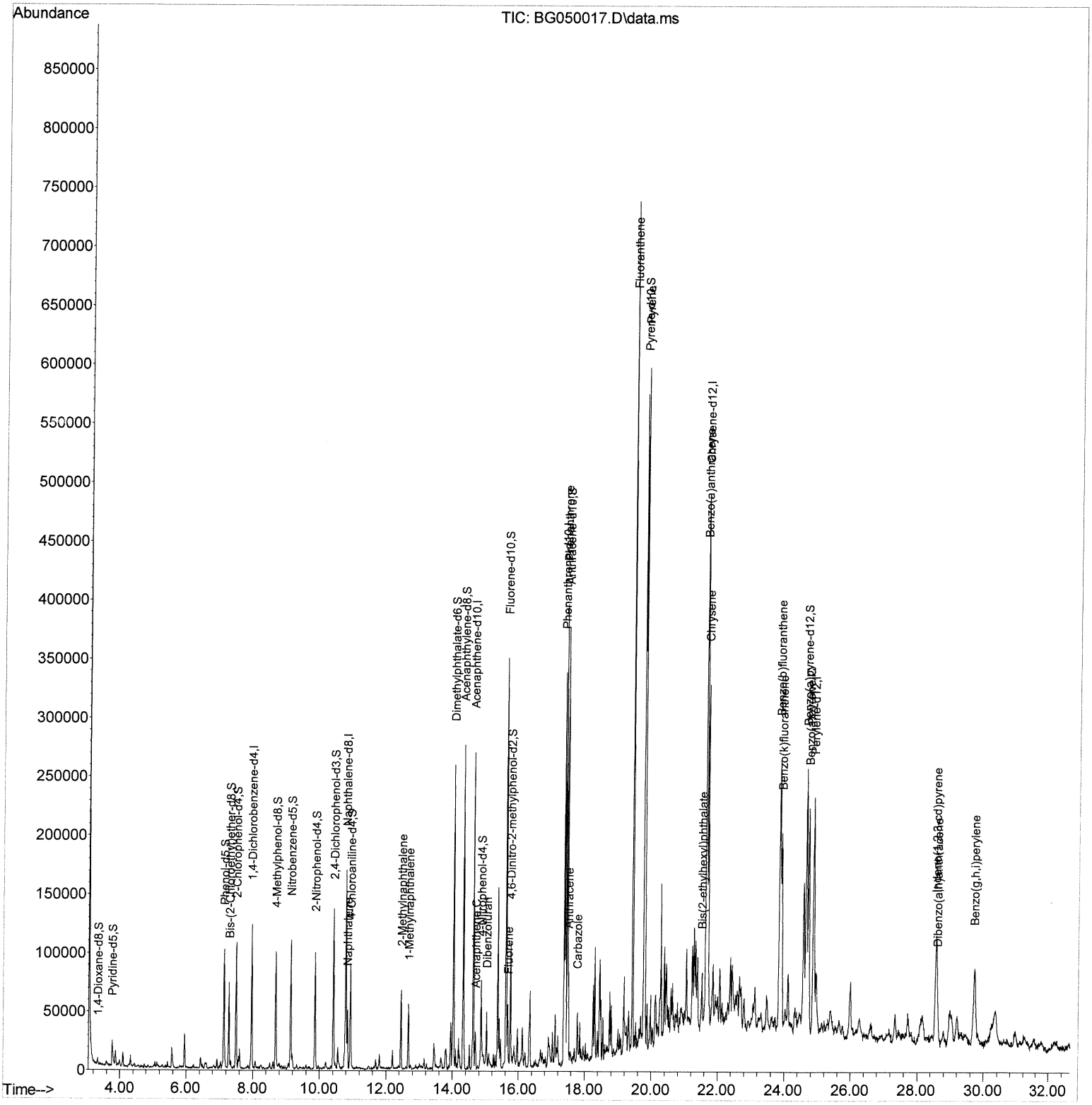
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050016.D
Acq On : 28 Aug 2021 4:37
Operator : CG/JU
Sample : M3518-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 28 05:46:40 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

Instrument :
BNA_G
ClientSampleId :
C0AX1

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:19 AM



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050016.D
Acq On : 28 Aug 2021 4:37
Operator : CG/JU
Sample : M3518-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 28 05:46:40 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

Instrument :
BNA_G
ClientSampleId :
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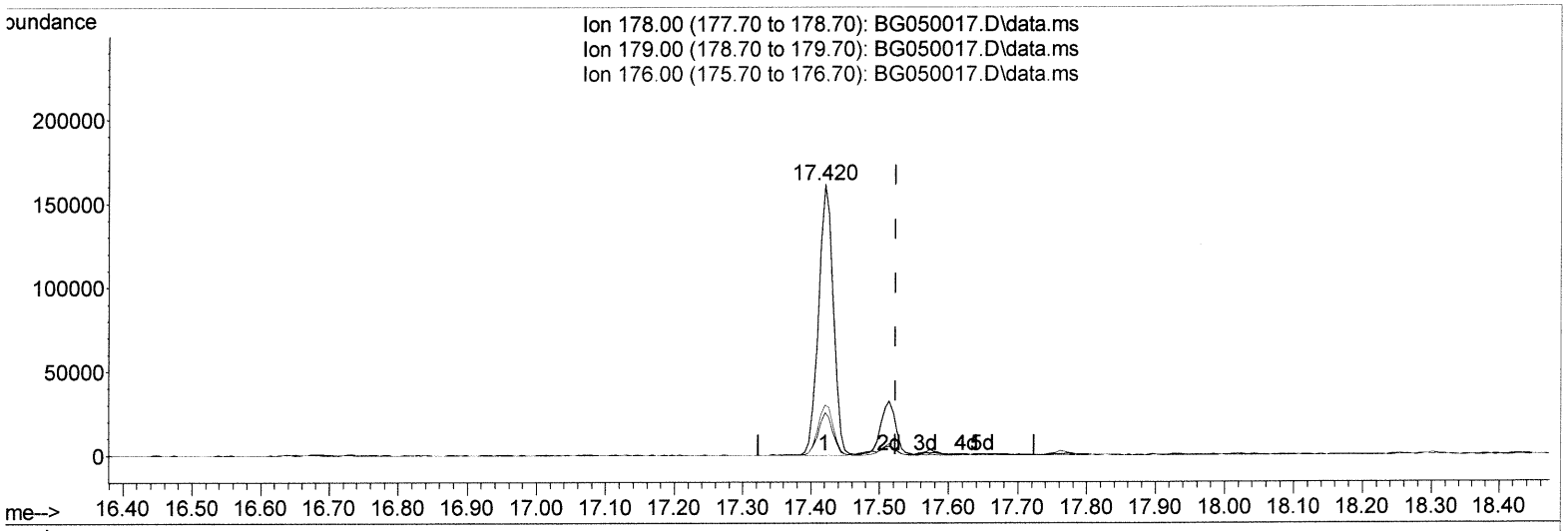
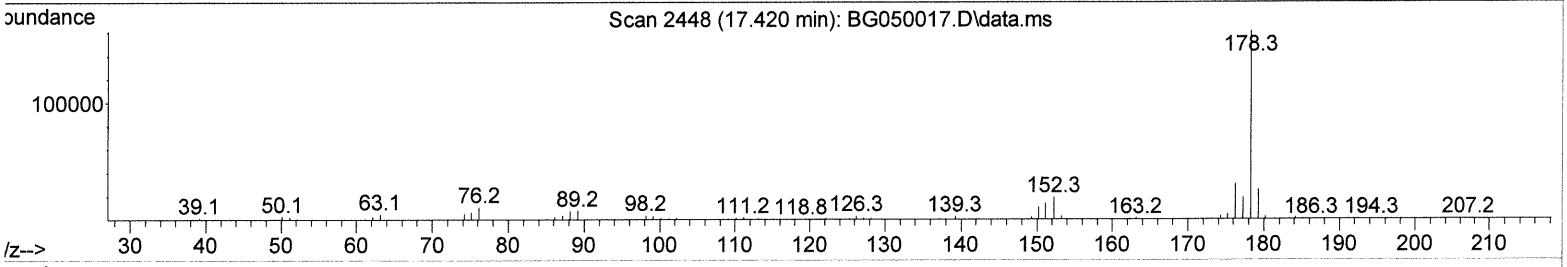
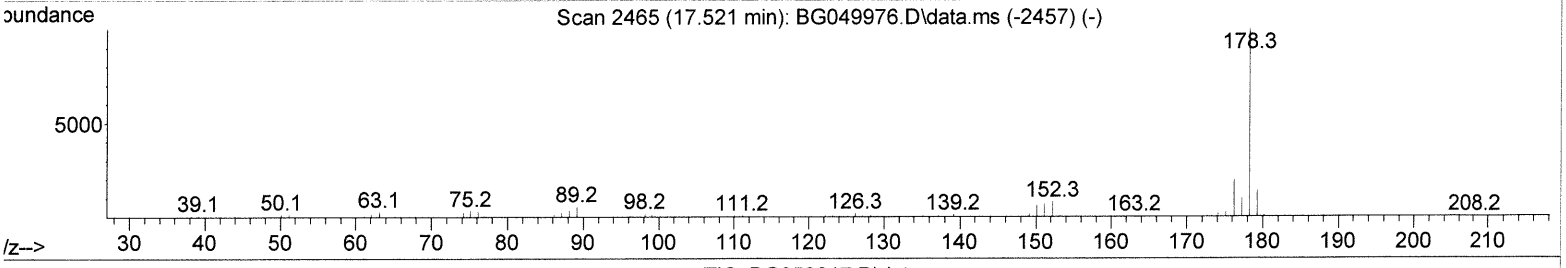
Manual Integrations APPROVED
mohammad
8/30/2021 10:33:19 AM







TIC: BG050017.D\data.ms

(74) Anthracene

17.420min (-0.103) 24.22 ng/ul

response 242132

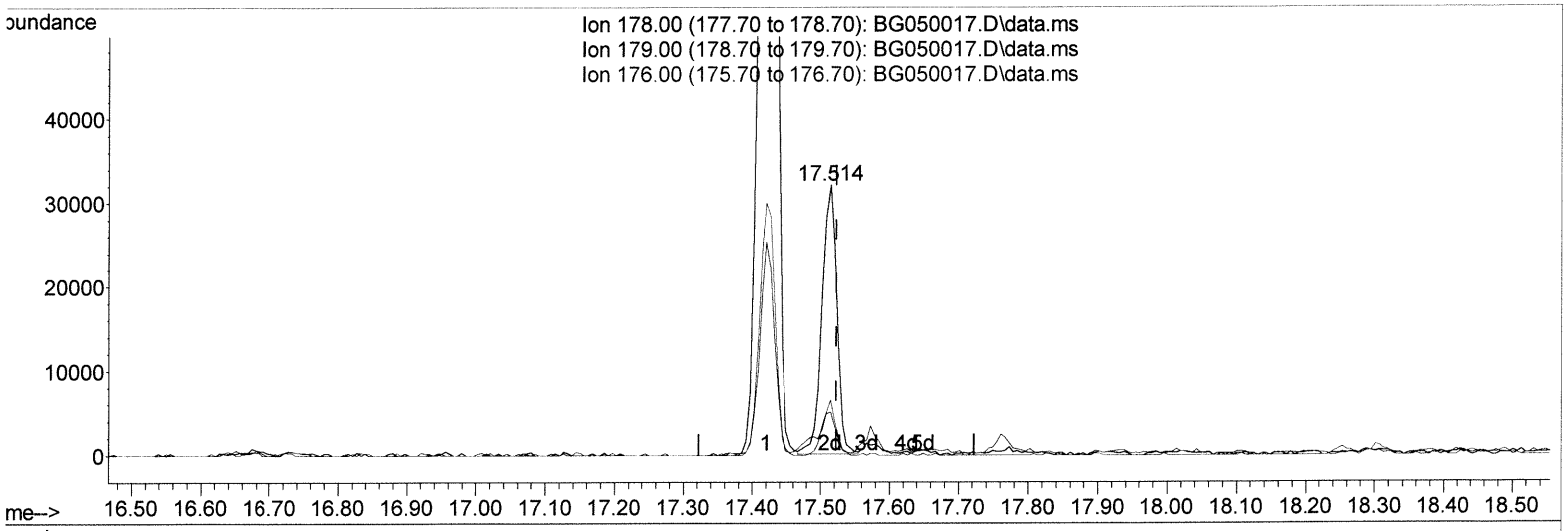
Ion	Exp%	Act%
178.00	100.00	100.00
179.00	14.20	15.79
176.00	16.00	18.63
0.00	0.00	0.00

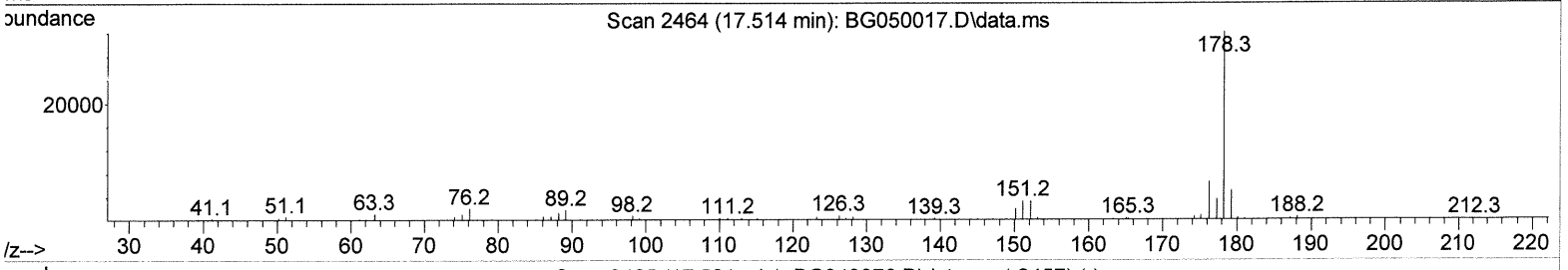
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050016.D
Acq On : 28 Aug 2021 4:37
Operator : CG/JU
Sample : M3518-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

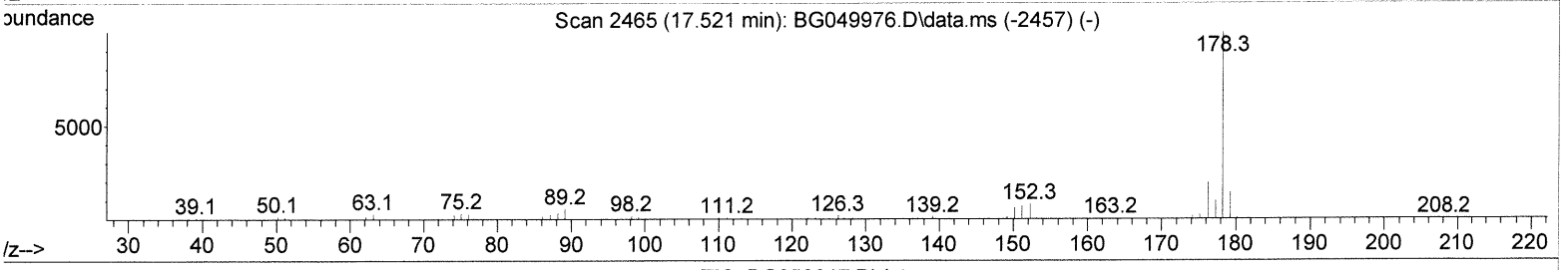
Quant Time: Aug 28 05:46:40 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0AX1

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:19 AM







TIC: BG050017.D\data.ms

(74) Anthracene

17.514min (-0.009) 4.82 ng/ul m JU 8/31/21

response 48190

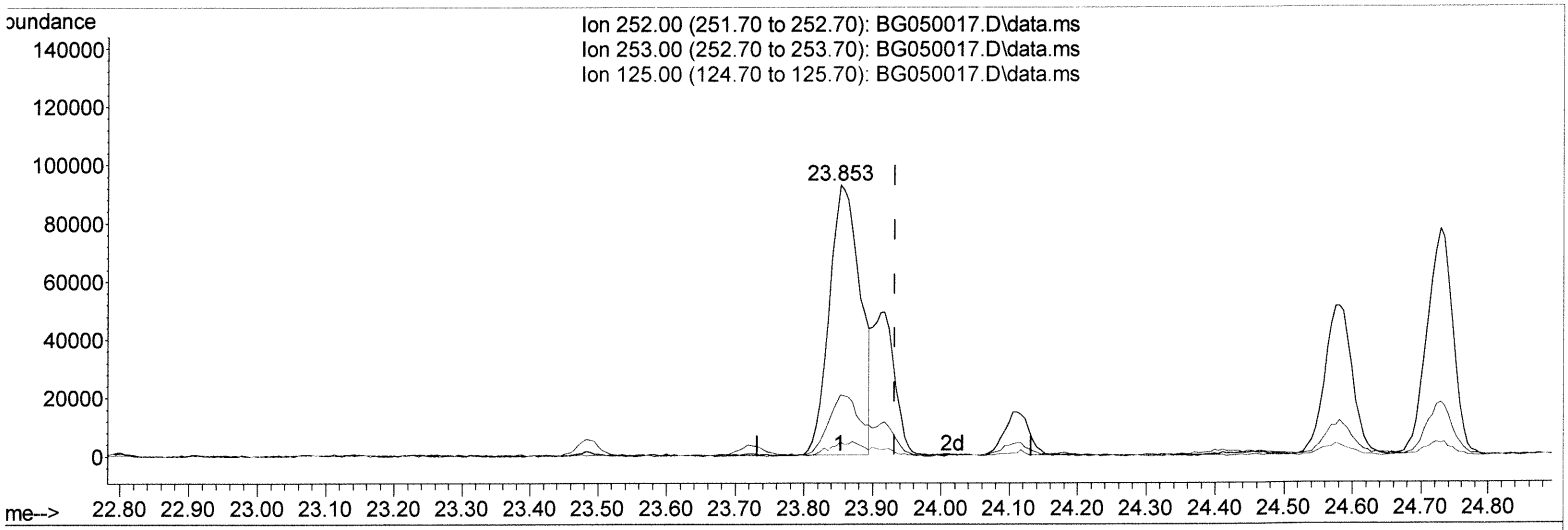
Ion	Exp%	Act%
178.00	100.00	100.00
179.00	14.20	16.05
176.00	16.00	20.37#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050016.D
Acq On : 28 Aug 2021 4:37
Operator : CG/JU
Sample : M3518-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 28 05:46:40 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

Instrument :
BNA_G
ClientSampleId :
C0AX1

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:19 AM



TIC: BG050017.D\data.ms

(91) Benzo(k)fluoranthene

23.853min (-0.080) 24.43 ng/ul

response 289005

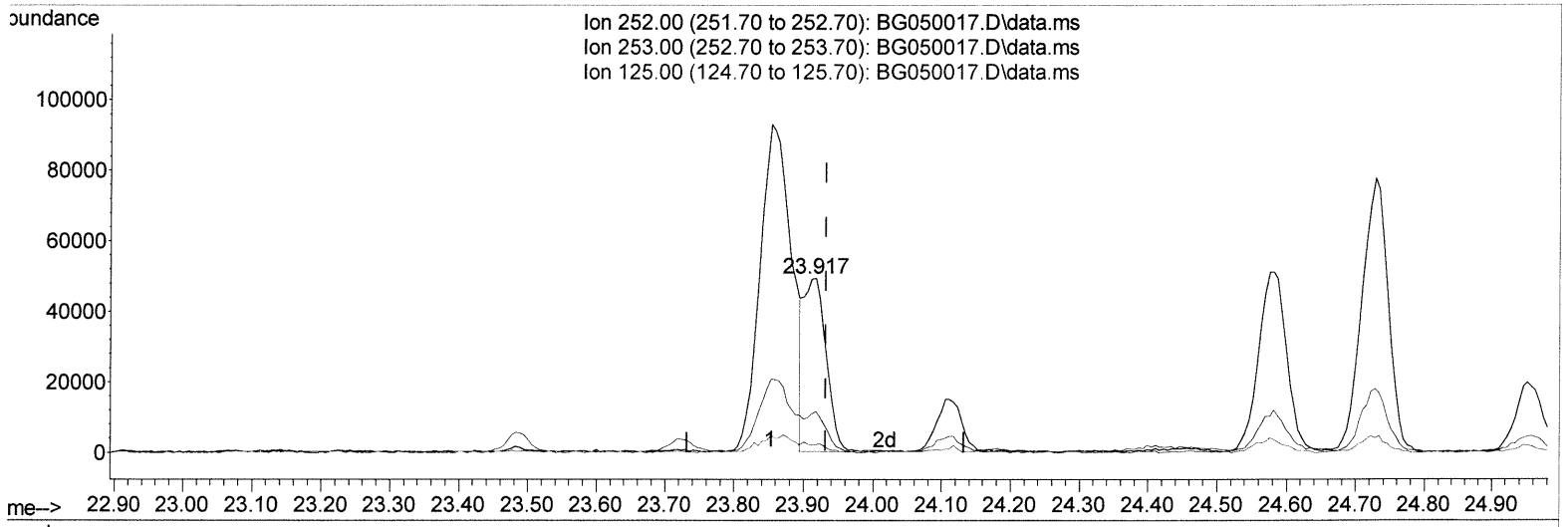
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.10	22.50
125.00	5.10	5.20
0.00	0.00	0.00

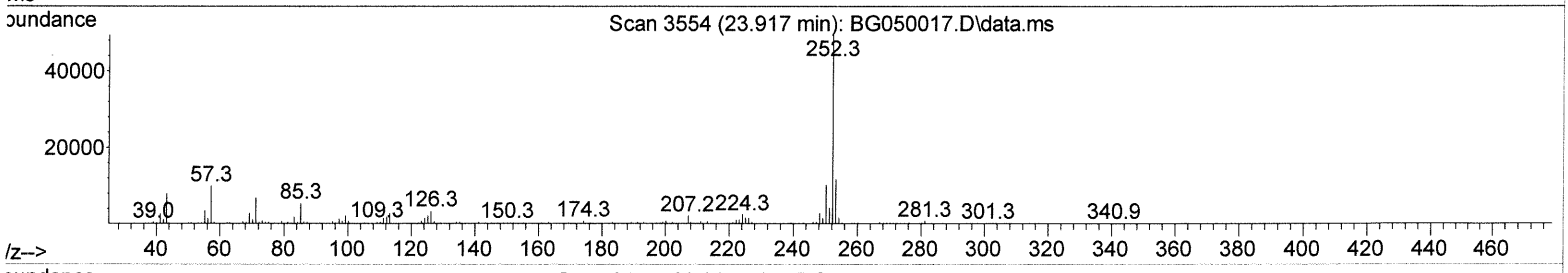
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050016.D
Acq On : 28 Aug 2021 4:37
Operator : CG/JU
Sample : M3518-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

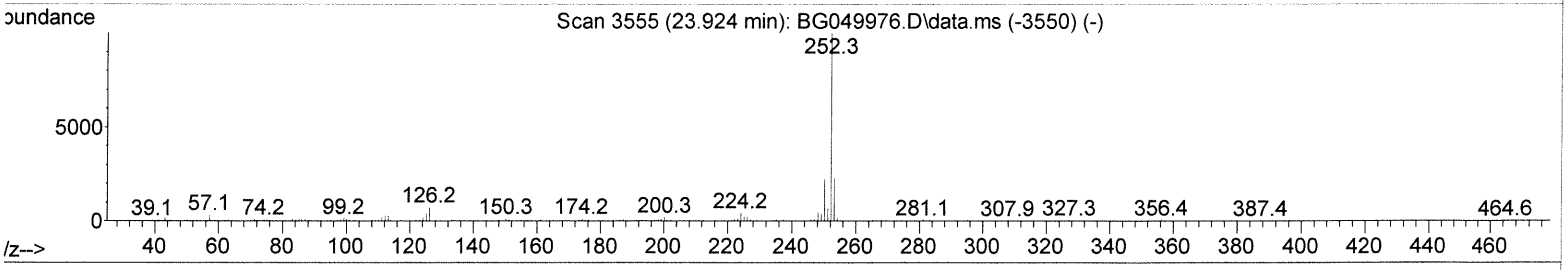
Quant Time: Aug 28 05:46:40 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0AX1

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:19 AM







TIC: BG050017.D\data.ms

(91) Benzo(k)fluoranthene

23.917min (-0.015) 9.33 ng/ul m

response 110316

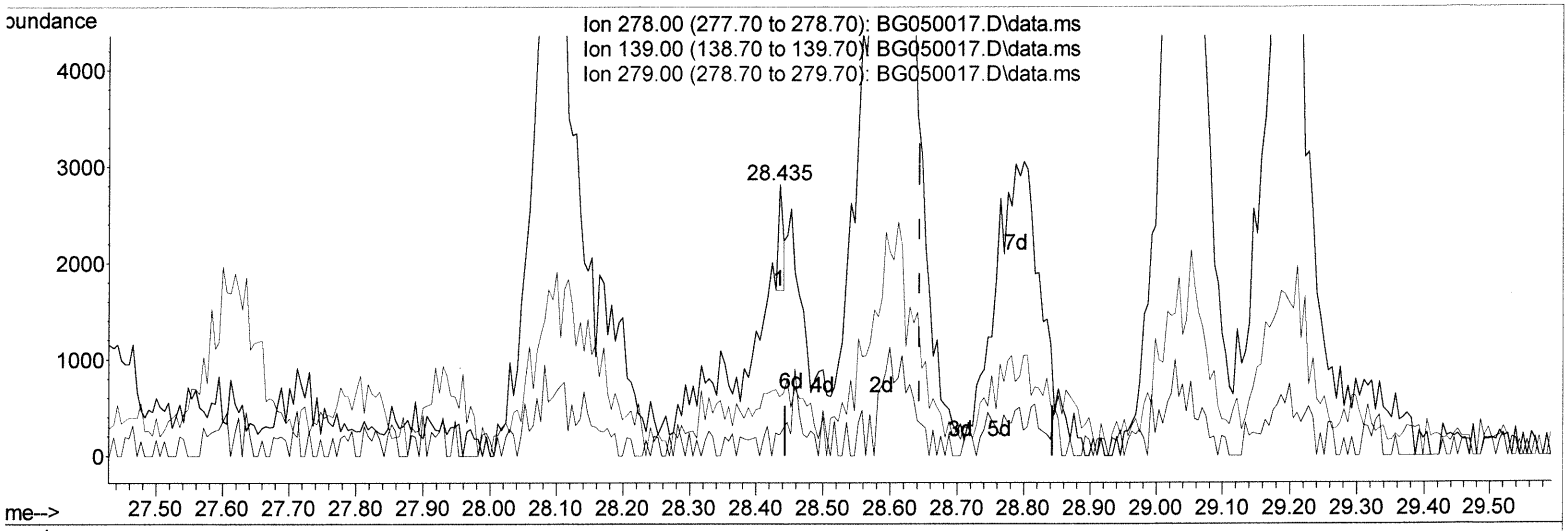
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.10	23.72
125.00	5.10	4.53
0.00	0.00	0.00

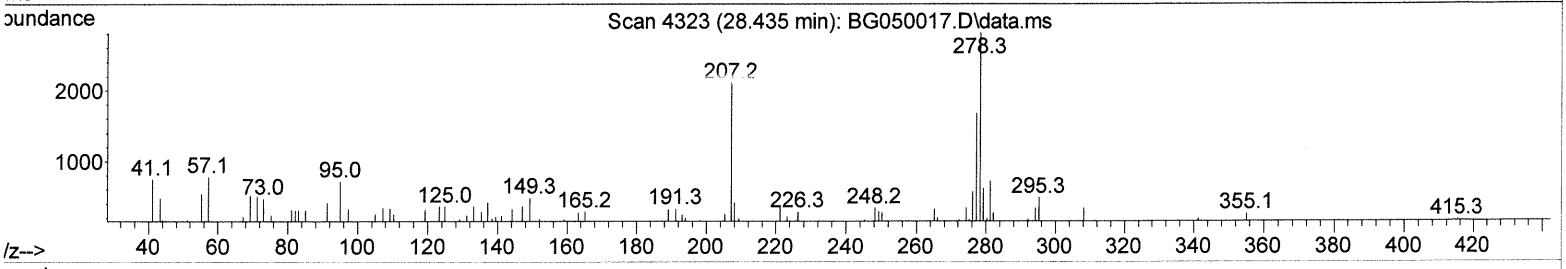
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050016.D
Acq On : 28 Aug 2021 4:37
Operator : CG/JU
Sample : M3518-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

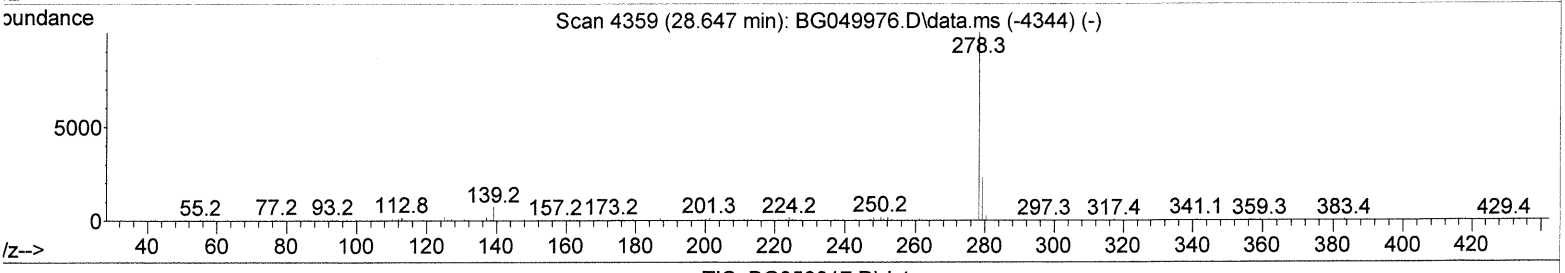
Quant Time: Aug 28 05:46:40 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0AX1

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:19 AM







TIC: BG050017.D\data.ms

(95) Dibenzo(a,h)anthracene

28.435min (-0.209) 0.05 ng/ul

response 568

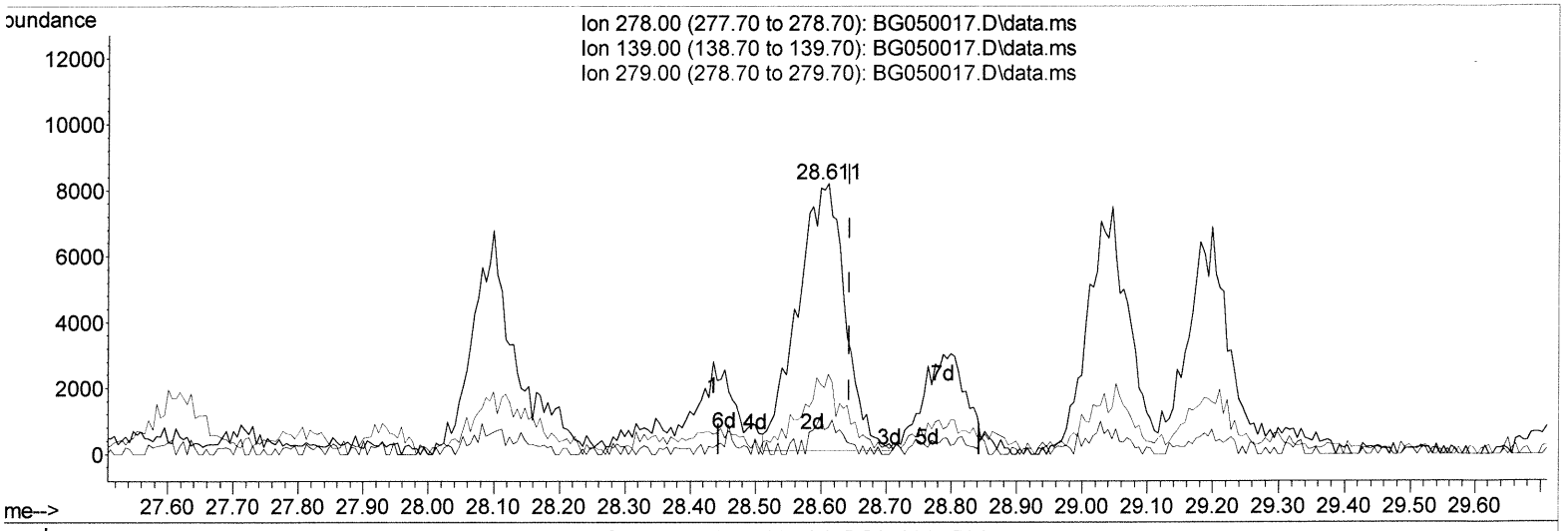
Ion	Exp%	Act%
278.00	100.00	100.00
139.00	6.50	7.62
279.00	23.70	21.92
0.00	0.00	0.00

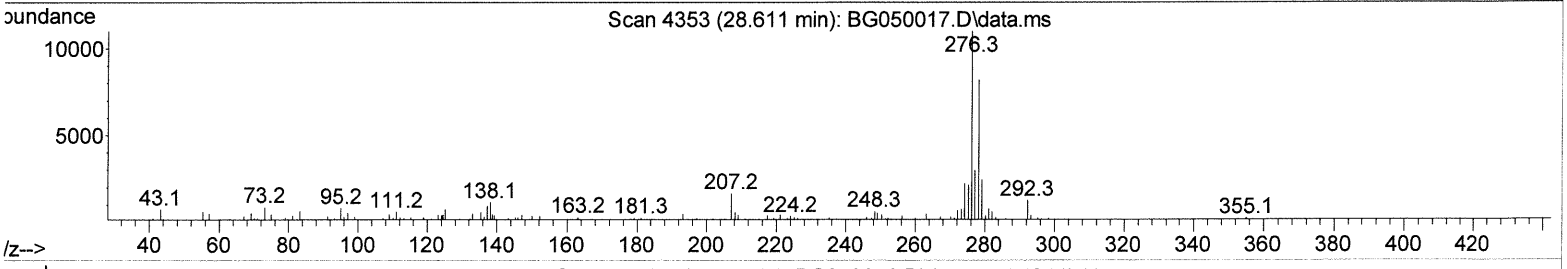
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050016.D
Acq On : 28 Aug 2021 4:37
Operator : CG/JU
Sample : M3518-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

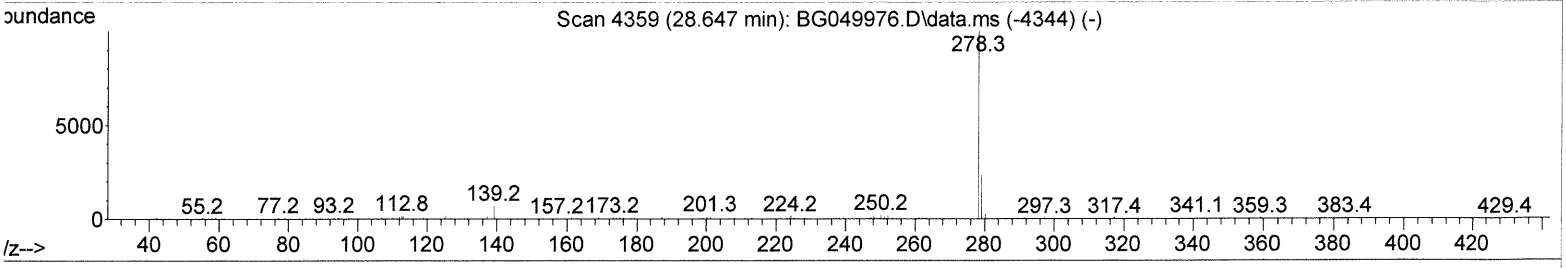
Quant Time: Aug 28 05:46:40 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0AX1

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:19 AM







TIC: BG050017.D\data.ms

(95) Dibenzo(a,h)anthracene

28.611min (-0.033) 3.43 ng/ul m JU 8/31/21

response 40892

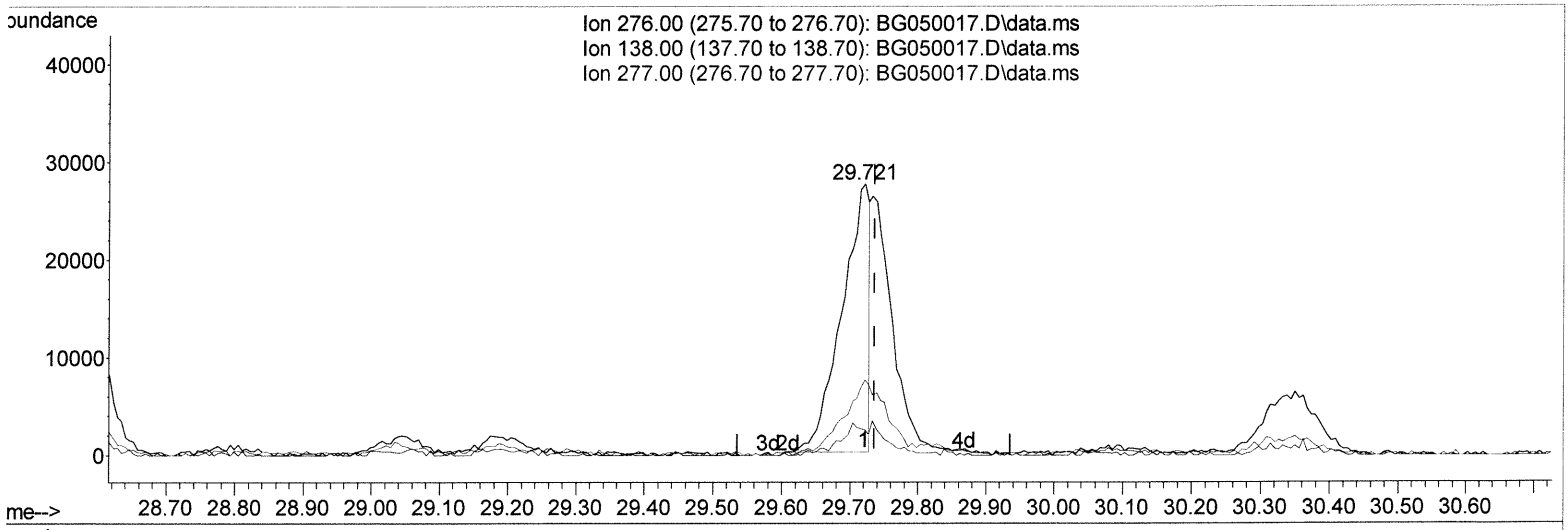
Ion	Exp%	Act%
278.00	100.00	100.00
139.00	6.50	5.35
279.00	23.70	29.62#
0.00	0.00	0.00

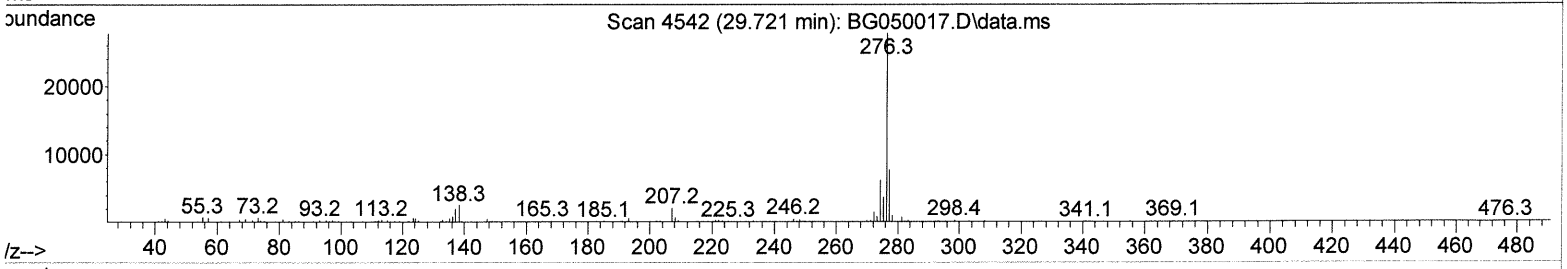
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050016.D
Acq On : 28 Aug 2021 4:37
Operator : CG/JU
Sample : M3518-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

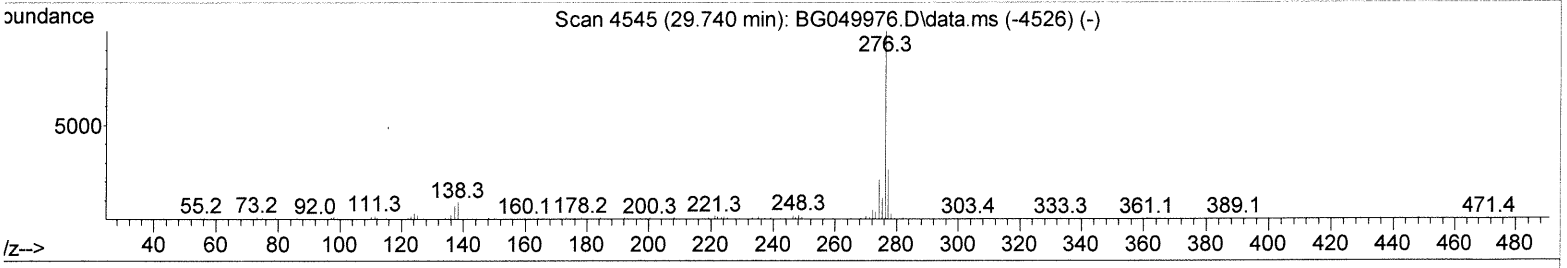
Quant Time: Aug 28 05:46:40 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0AX1

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:19 AM







TIC: BG050017.D\data.ms

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

29.721min (-0.015) 6.39 ng/ul

response 76619

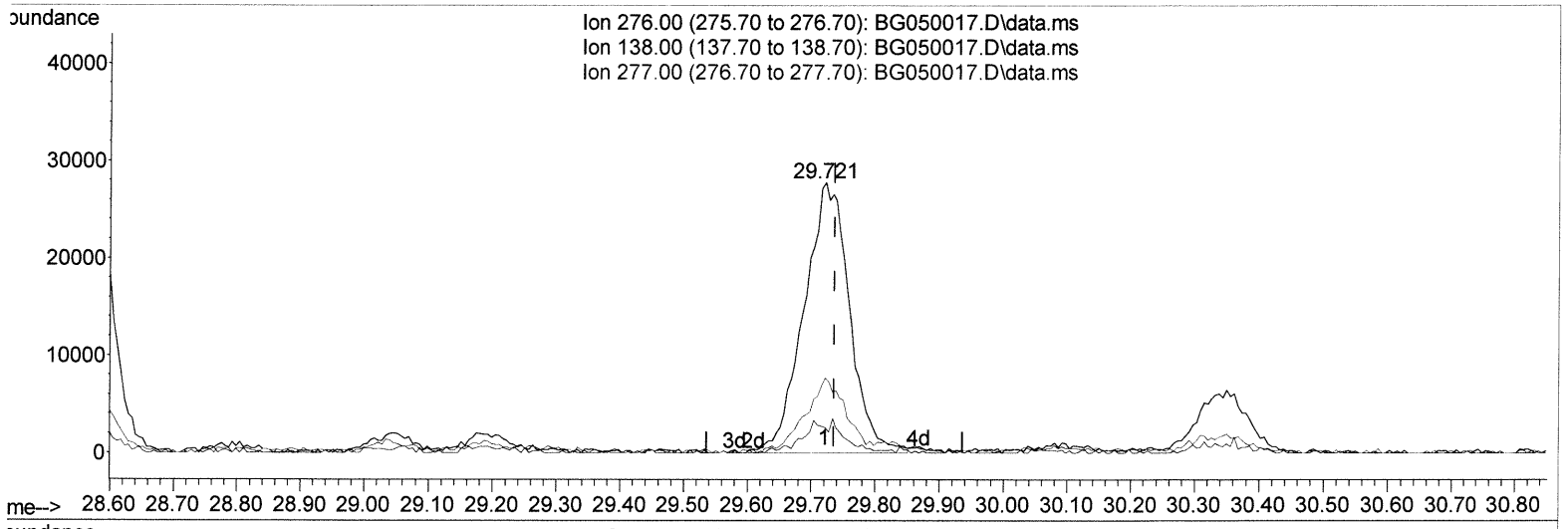
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.80	9.23
277.00	21.70	27.74#
0.00	0.00	0.00

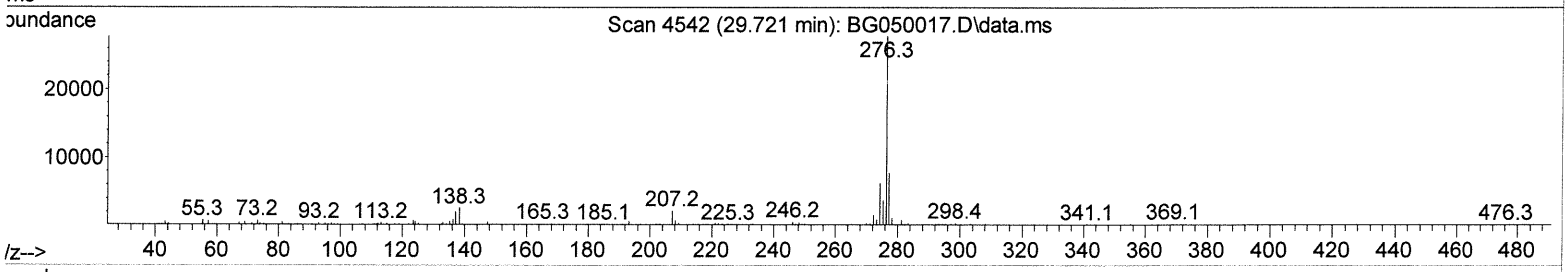
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050016.D
Acq On : 28 Aug 2021 4:37
Operator : CG/JU
Sample : M3518-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

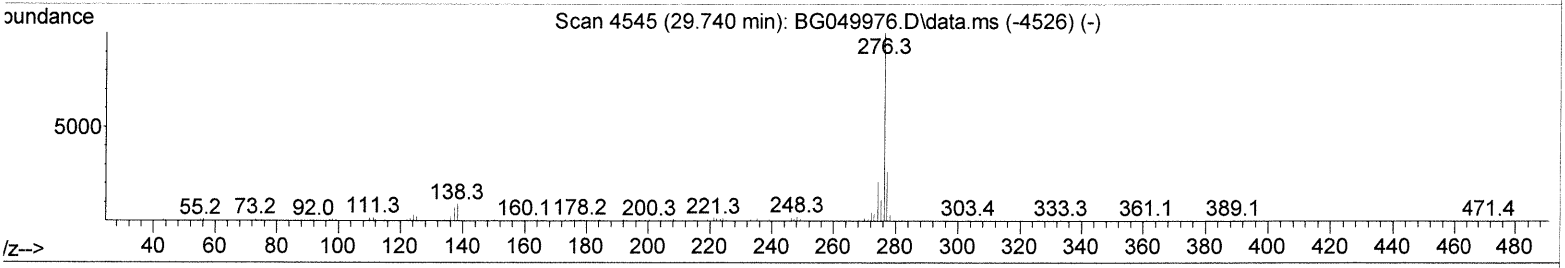
Quant Time: Aug 28 05:46:40 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 27 11:22:49 2021
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0AX1

Manual Integrations APPROVED
mohammad
8/30/2021 10:33:19 AM







TIC: BG050017.D\data.ms

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

29.721min (-0.015) 11.46 ng/ul m JCU 8/31/21

response 137289

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.80	9.23
277.00	21.70	27.74#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG050016.D
Acq On : 28 Aug 2021 4:37
Operator : CG/JU
Sample : M3518-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 28 05:46:40 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

Instrument : BNA_G
ClientSampleId : C0AX1

Manual Integrations APPROVED
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.962	152	34380	20.000	ng/ul	-0.02
20) Naphthalene-d8	10.782	136	138033	20.000	ng/ul	-0.02
38) Acenaphthene-d10	14.624	164	95377	20.000	ng/ul	-0.02
64) Phenanthrene-d10	17.379	188	197883	20.000	ng/ul	-0.02
79) Chrysene-d12	21.650	240	186974	20.000	ng/ul	-0.02
88) Perylene-d12	24.875	264	194526	20.000	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.322	96	2197	3.295	ng/uL	-0.02
4) Pyridine-d5	3.762	84	14767	7.353	ng/ul	0.00
7) Phenol-d5	7.134	99	59559	20.401	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	7.287	67	33834	20.860	ng/ul	-0.02
11) 2-Chlorophenol-d4	7.498	132	46792	21.421	ng/ul	-0.01
15) 4-Methylphenol-d8	8.685	113	38975	16.952	ng/ul	-0.01
21) Nitrobenzene-d5	9.137	128	24344	22.748	ng/ul	-0.01
24) 2-Nitrophenol-d4	9.866	143	29164	22.887	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.418	165	49893	21.952	ng/ul	0.00
31) 4-Chloroaniline-d4	10.923	131	45106	14.581	ng/ul	-0.02
46) Dimethylphthalate-d6	14.025	166	162768	22.299	ng/ul	-0.02
49) Acenaphthylene-d8	14.318	160	200239	23.397	ng/ul	-0.02
54) 4-Nitrophenol-d4	14.859	143	18686	17.694	ng/ul	0.00
60) Fluorene-d10	15.623	176	143345	23.162	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.752	200	21847	17.161	ng/ul	-0.02
73) Anthracene-d10	17.479	188	204991	23.069	ng/ul	-0.02
81) Pyrene-d10	19.770	212	249827	24.726	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.657	264	243909	23.634	ng/ul	-0.02
Target Compounds						Qvalue
30) Naphthalene	10.835	128	40796	5.913	ng/ul	97
36) 2-Methylnaphthalene	12.450	142	30804	6.006	ng/ul	98
37) 1-Methylnaphthalene	12.668	142	24973	4.824	ng/ul#	95
52) Acenaphthene	14.689	153	12240	2.157	ng/ul	92
56) Dibenzofuran	15.023	168	20865	2.655	ng/ul	90
61) Fluorene	15.675	166	14308	2.158	ng/ul#	89
72) Phenanthrene	17.420	178	242132	24.545	ng/ul	97
74) Anthracene	17.514	178	48190m	4.820	ng/ul	97
77) Carbazole	17.784	167	20630	2.319	ng/ul#	86
80) Fluoranthene	19.435	202	445534	35.734	ng/ul	98
82) Pyrene	19.799	202	358618	29.026	ng/ul	99
85) Benzo(a)anthracene	21.632	228	217788	18.694	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.526	149	12943	1.933	ng/ul#	96
87) Chrysene	21.697	228	208666	18.947	ng/ul	98
90) Benzo(b)fluoranthene	23.853	252	289005	23.226	ng/ul#	99
91) Benzo(k)fluoranthene	23.917	252	110316m	9.327	ng/ul	97
93) Benzo(a)pyrene	24.728	252	204795	18.951	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	28.570	276	154276	10.823	ng/ul#	92
95) Dibenzo(a,h)anthracene	28.611	278	40892m	3.427	ng/ul	
96) Benzo(g,h,i)perylene	29.721	276	137289m	11.456	ng/ul	

JU 8/31/21

JU 8/31/21

JU 8/31/21

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