

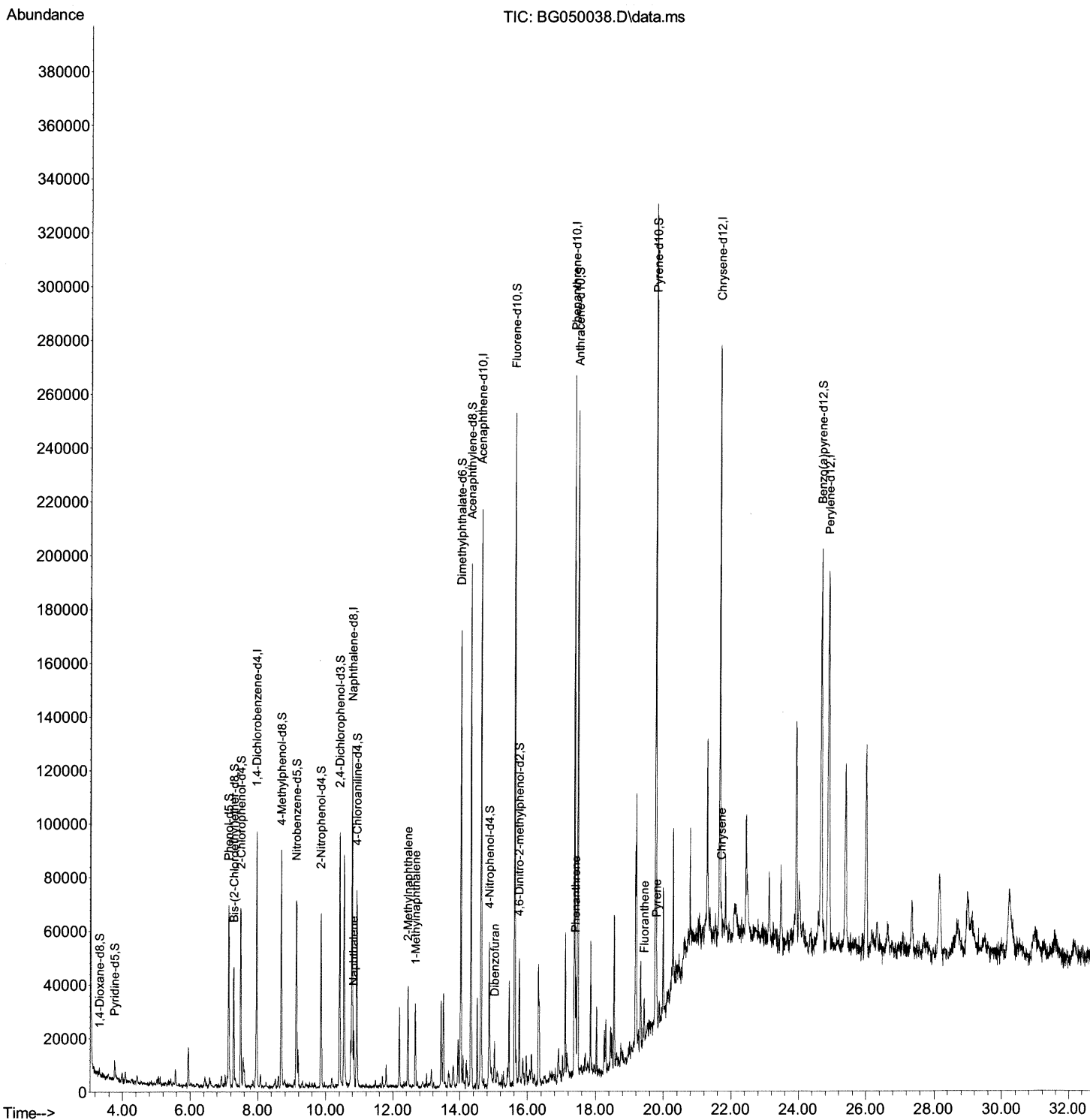
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083021\
Data File : BG050038.D
Acq On : 30 Aug 2021 19:08
Operator : CG/JU
Sample : M3472-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AB9

Manual Integrations
APPROVED

mohammad
8/31/2021 11:35:23 AM

Quant Time: Aug 31 01:01:10 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 30 14:59:55 2021
Response via : Initial Calibration



Quantitation Report (Qedit)

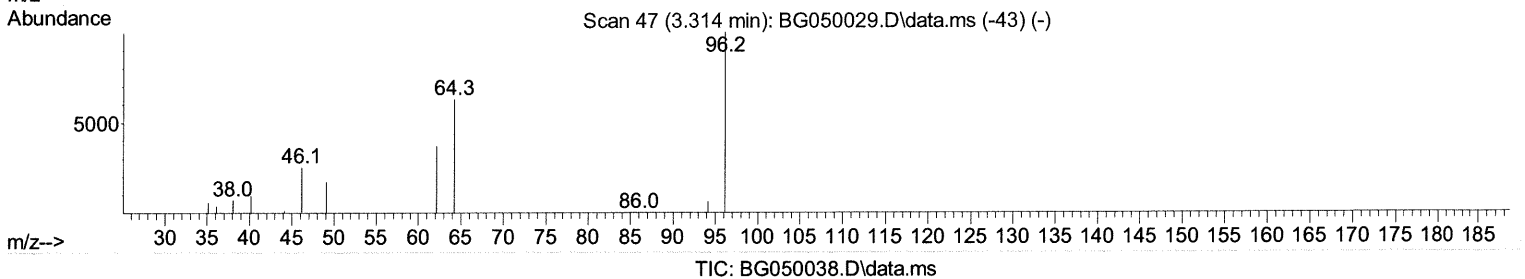
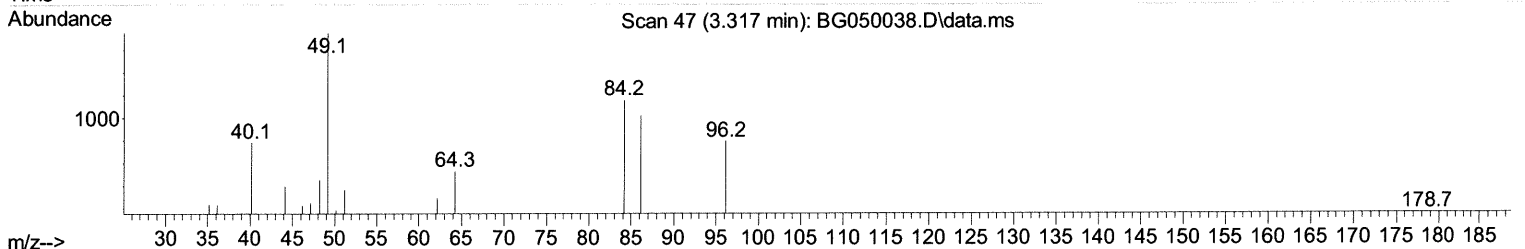
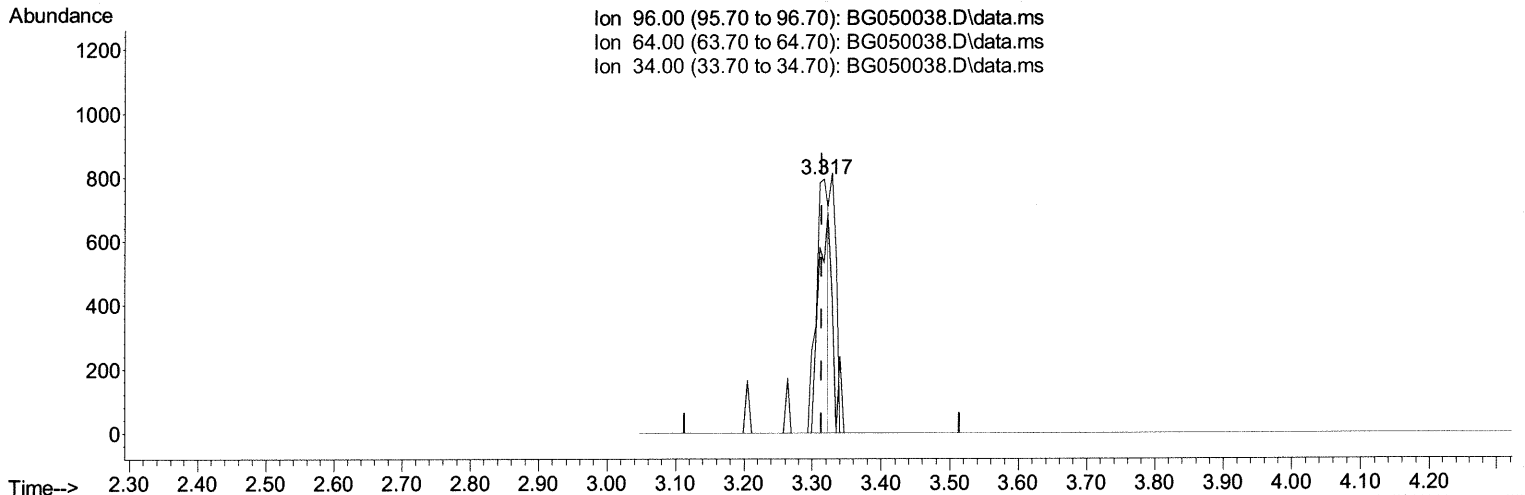
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083021\
 Data File : BG050038.D
 Acq On : 30 Aug 2021 19:08
 Operator : CG/JU
 Sample : M3472-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AB9

Manual Integrations
 APPROVED

mohammad
 8/31/2021 11:35:23 AM

Quant Time: Aug 31 01:01:10 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 30 14:59:55 2021
 Response via : Initial Calibration



TIC: BG050038.D\data.ms

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

3.317min (+ 0.003) 2.10 ng/uL

response 1015

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	63.40	67.00
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

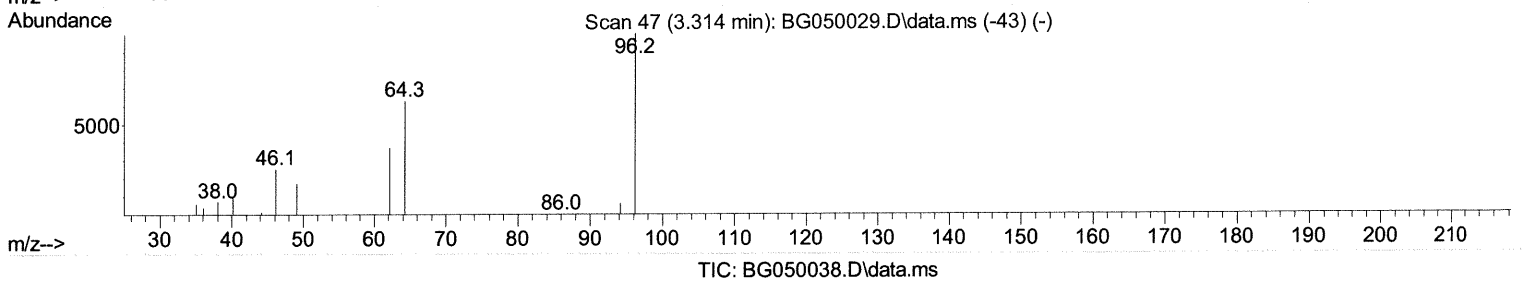
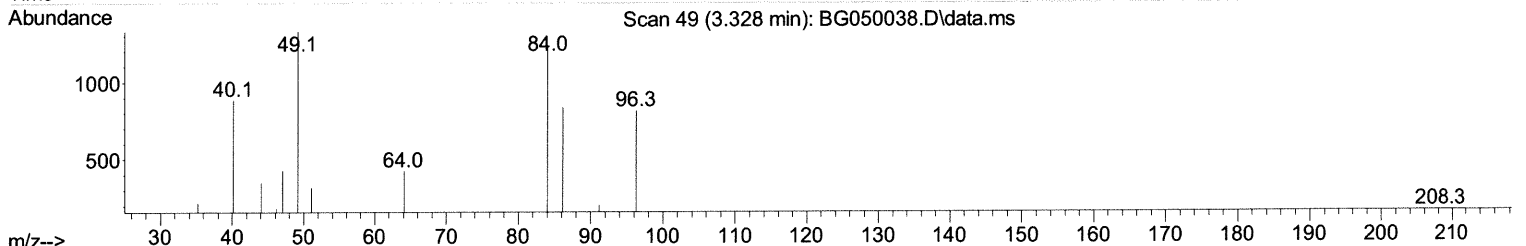
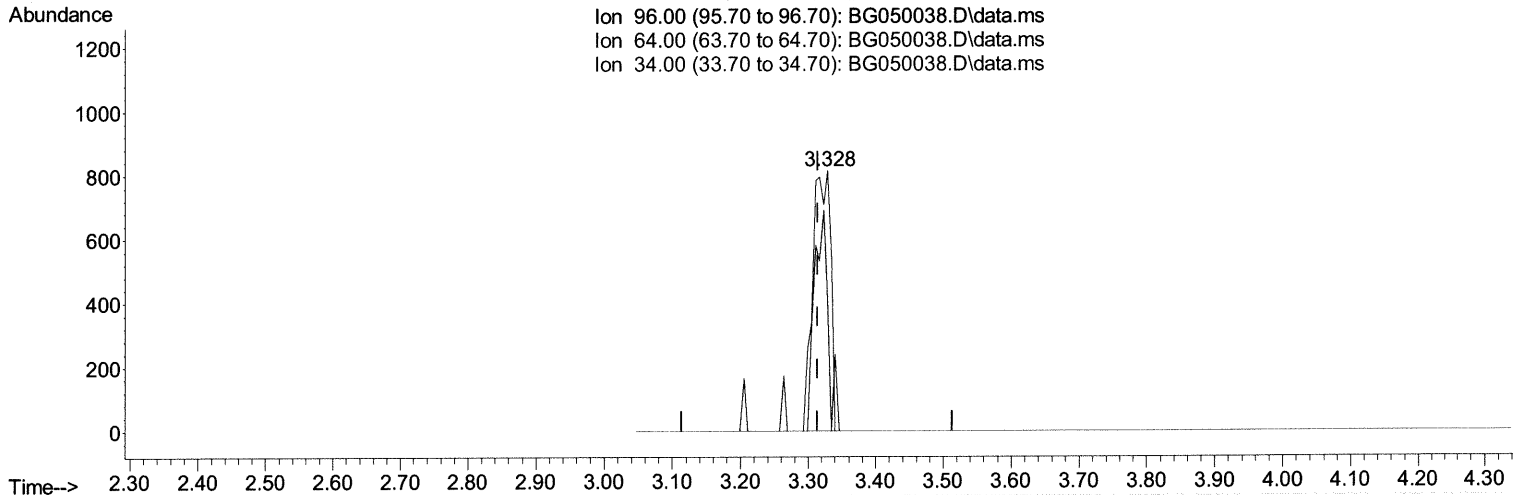
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083021\
 Data File : BG050038.D
 Acq On : 30 Aug 2021 19:08
 Operator : CG/JU
 Sample : M3472-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AB9

Manual Integrations
 APPROVED

mohammad
 8/31/2021 11:35:23 AM

Quant Time: Aug 31 01:01:10 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 30 14:59:55 2021
 Response via : Initial Calibration



TIC: BG050038.D\data.ms

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

3.328min (+ 0.015) 3.08 ng/uL m 09/01/21 JU

response 1491

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	63.40	52.21
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

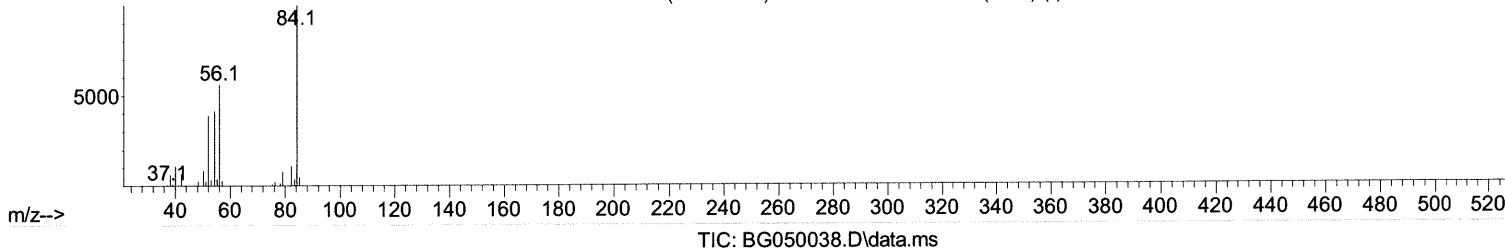
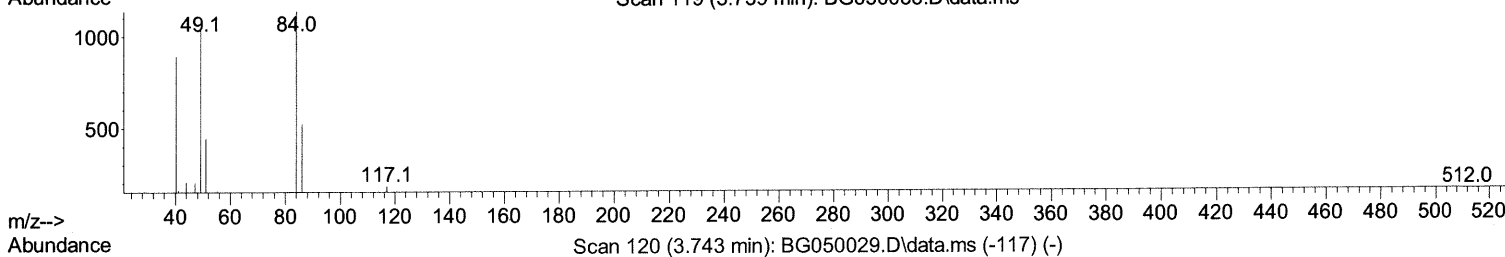
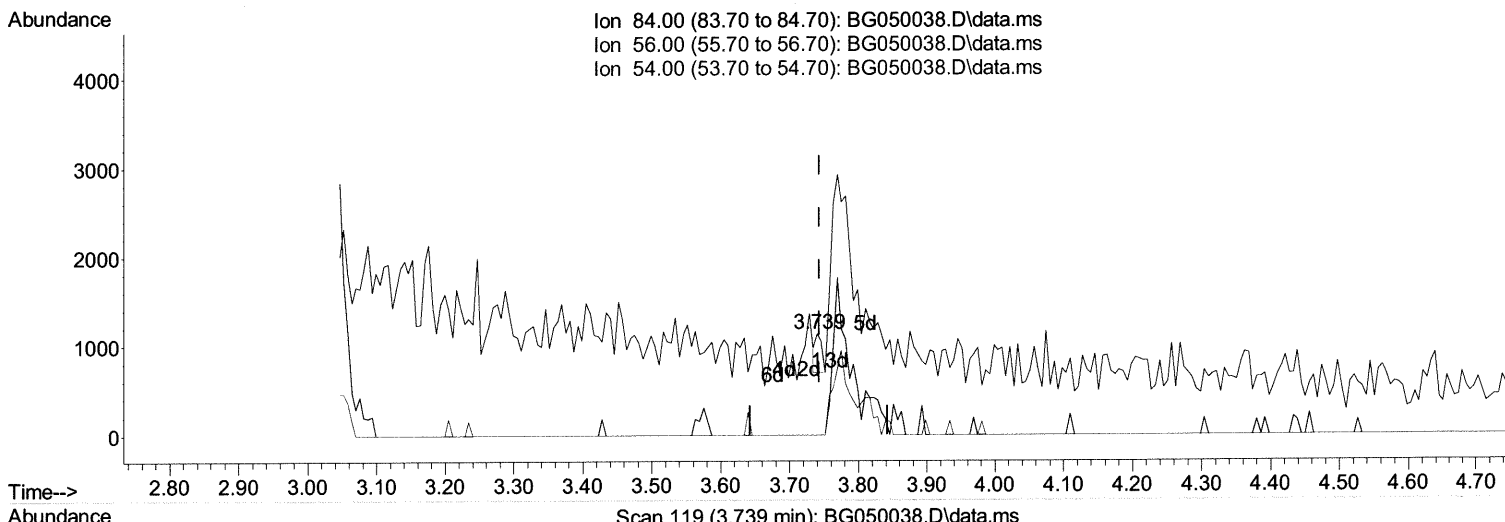
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083021\
 Data File : BG050038.D
 Acq On : 30 Aug 2021 19:08
 Operator : CG/JU
 Sample : M3472-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AB9

Manual Integrations
 APPROVED

mohammad
 8/31/2021 11:35:23 AM

Quant Time: Aug 31 01:01:10 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 30 14:59:55 2021
 Response via : Initial Calibration



(4) Pyridine-d5 (S)

3.739min (-0.003) 0.19 ng/ul

response 280

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

Quantitation Report (Qedit)

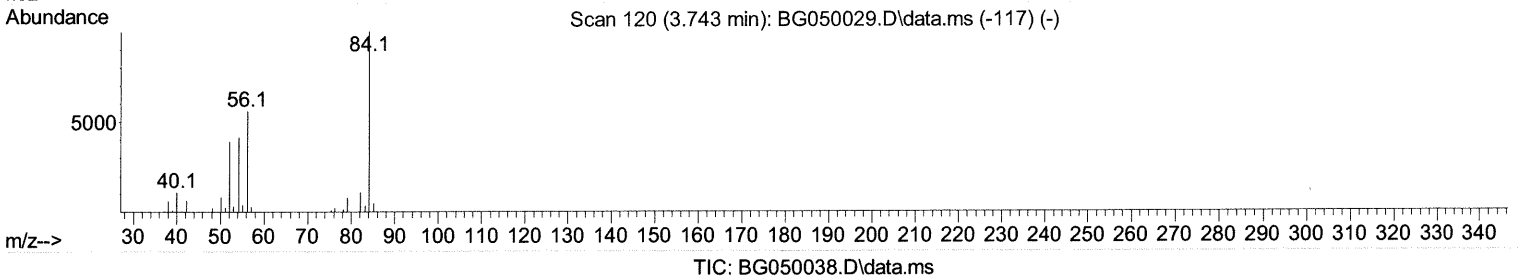
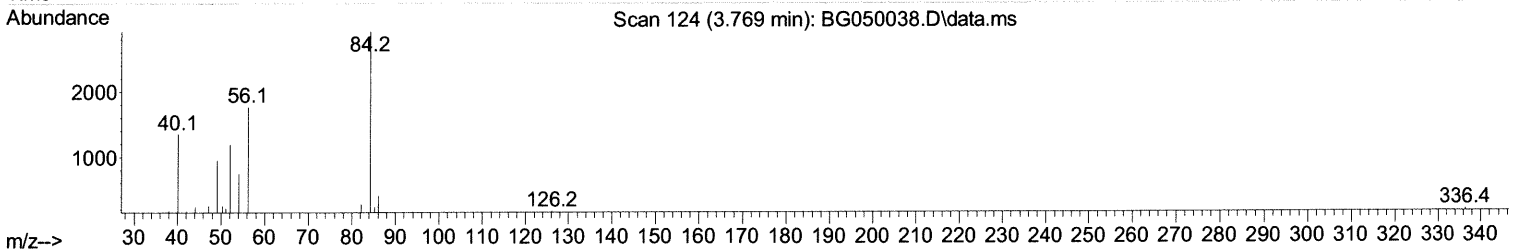
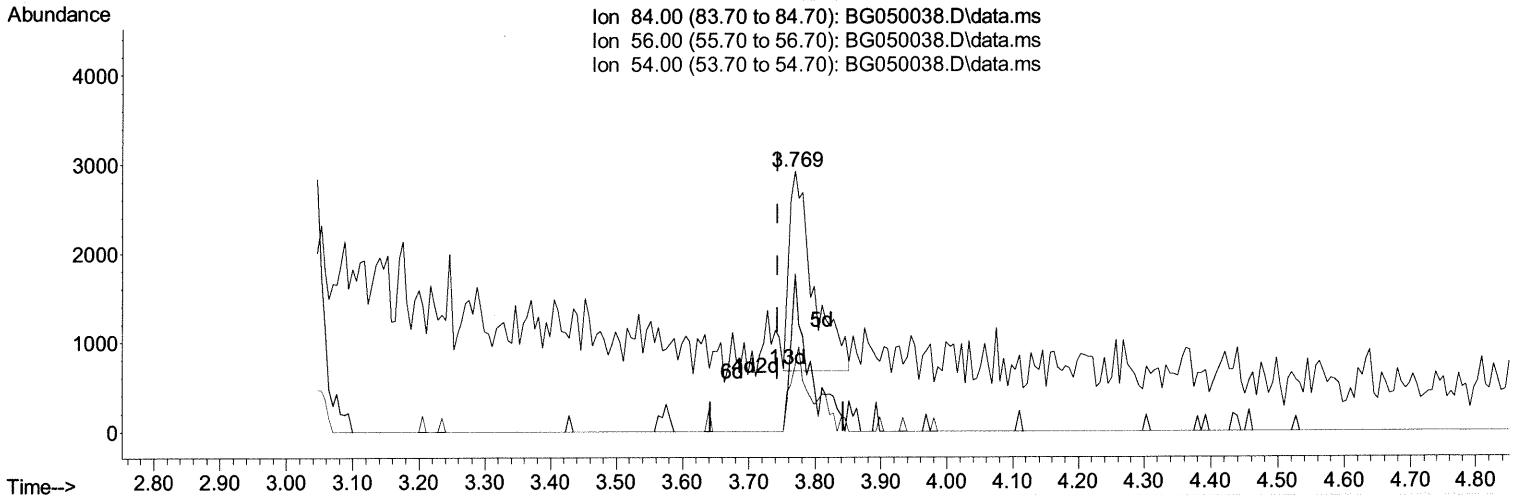
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083021\
 Data File : BG050038.D
 Acq On : 30 Aug 2021 19:08
 Operator : CG/JU
 Sample : M3472-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AB9

Manual Integrations
 APPROVED

mohammad
 8/31/2021 11:35:23 AM

Quant Time: Aug 31 01:01:10 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 30 14:59:55 2021
 Response via : Initial Calibration



(4) Pyridine-d5 (S)

3.769min (+ 0.026) 3.94 ng/ul m 09/01/21 JU

response 5752

Ion	Exp%	Act%
84.00	100.00	100.00
56.00	54.30	60.58
54.00	37.00	25.41#
0.00	0.00	0.00

Quantitation Report (Qedit)

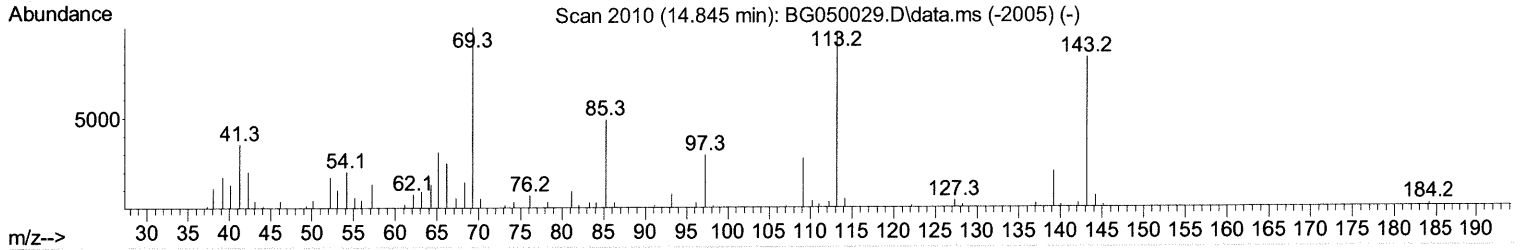
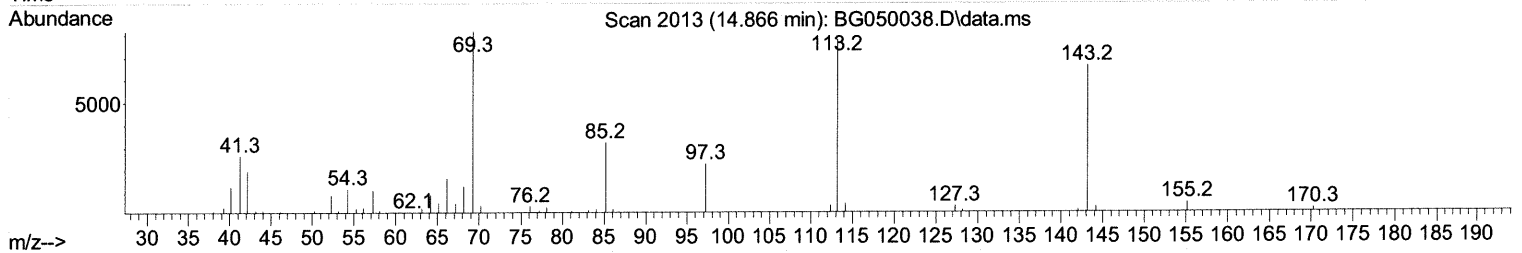
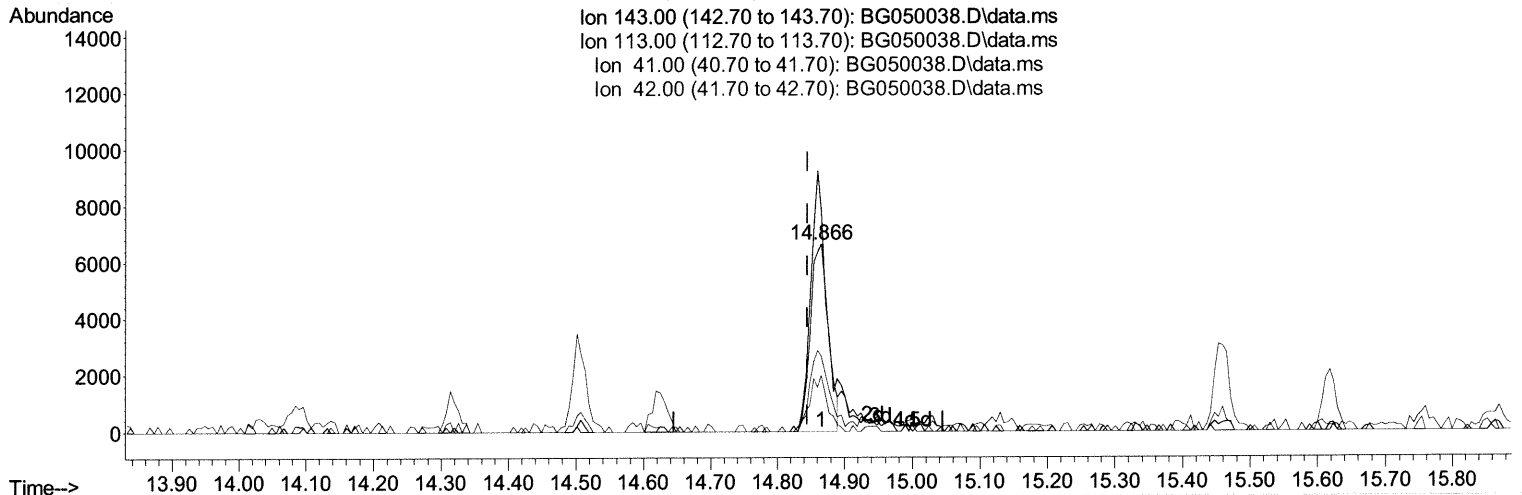
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083021\
 Data File : BG050038.D
 Acq On : 30 Aug 2021 19:08
 Operator : CG/JU
 Sample : M3472-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AB9

Manual Integrations
 APPROVED

mohammad
 8/31/2021 11:35:23 AM

Quant Time: Aug 31 01:01:10 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 30 14:59:55 2021
 Response via : Initial Calibration



TIC: BG050038.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.866min (+ 0.020) 14.82 ng/ul

response 12397

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	121.00	117.20
41.00	45.30	40.16
42.00	25.60	30.16

Quantitation Report (Qedit)

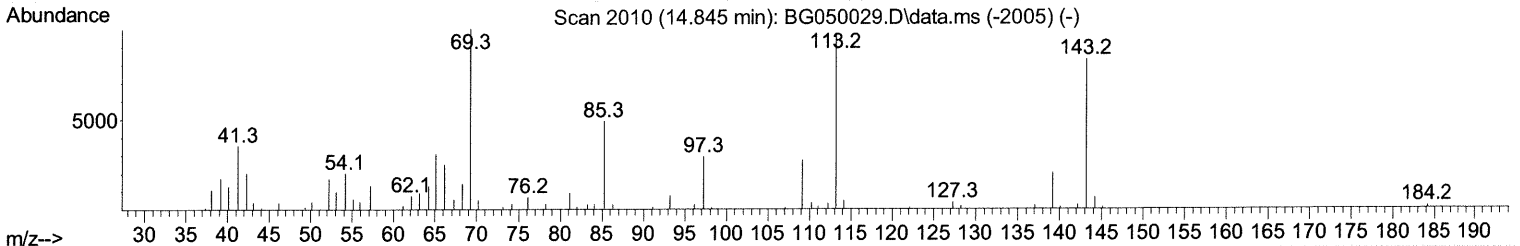
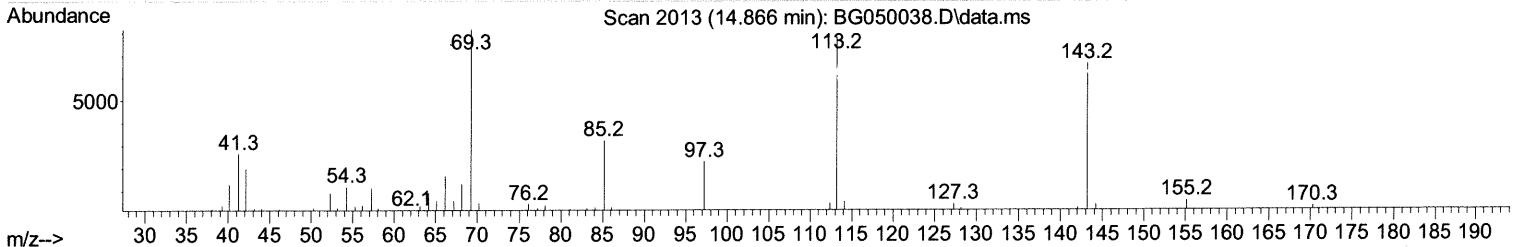
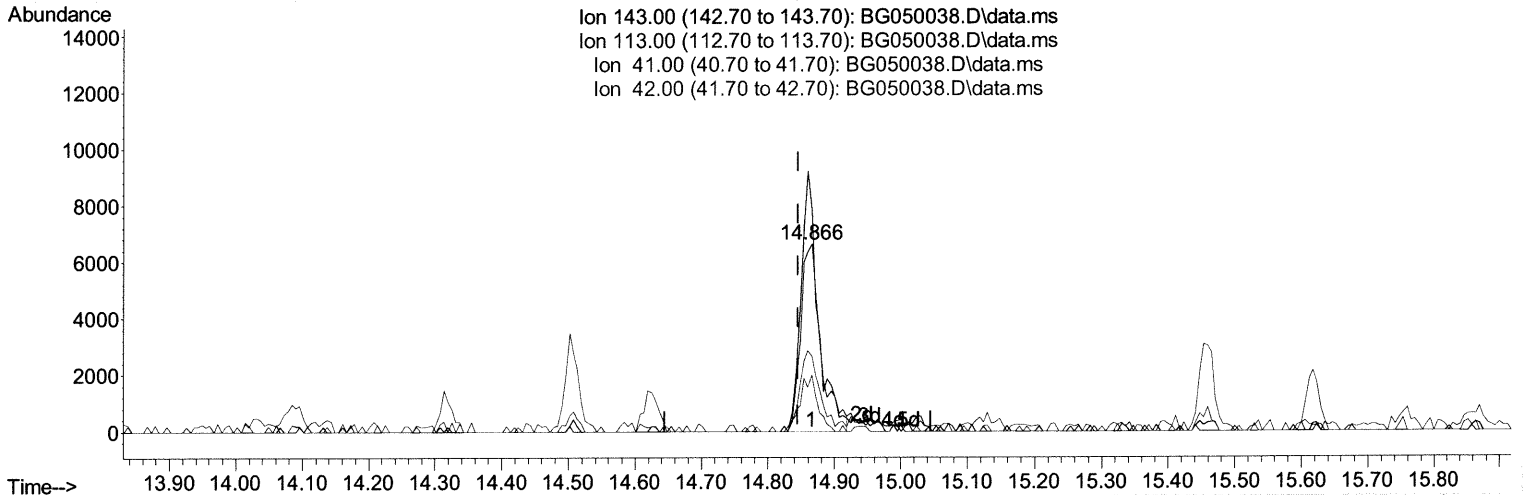
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083021\
 Data File : BG050038.D
 Acq On : 30 Aug 2021 19:08
 Operator : CG/JU
 Sample : M3472-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AB9

Manual Integrations
 APPROVED

mohammad
 8/31/2021 11:35:23 AM

Quant Time: Aug 31 01:01:10 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 30 14:59:55 2021
 Response via : Initial Calibration



TIC: BG050038.D\data.ms

(54) 4-Nitrophenol-d4 (S)

14.866min (+ 0.020) 16.75 ng/ul m 09/01/21 JU

response 14012

Ion	Exp%	Act%
143.00	100.00	100.00
113.00	121.00	117.20
41.00	45.30	40.16
42.00	25.60	30.16

Quantitation Report (Qedit)

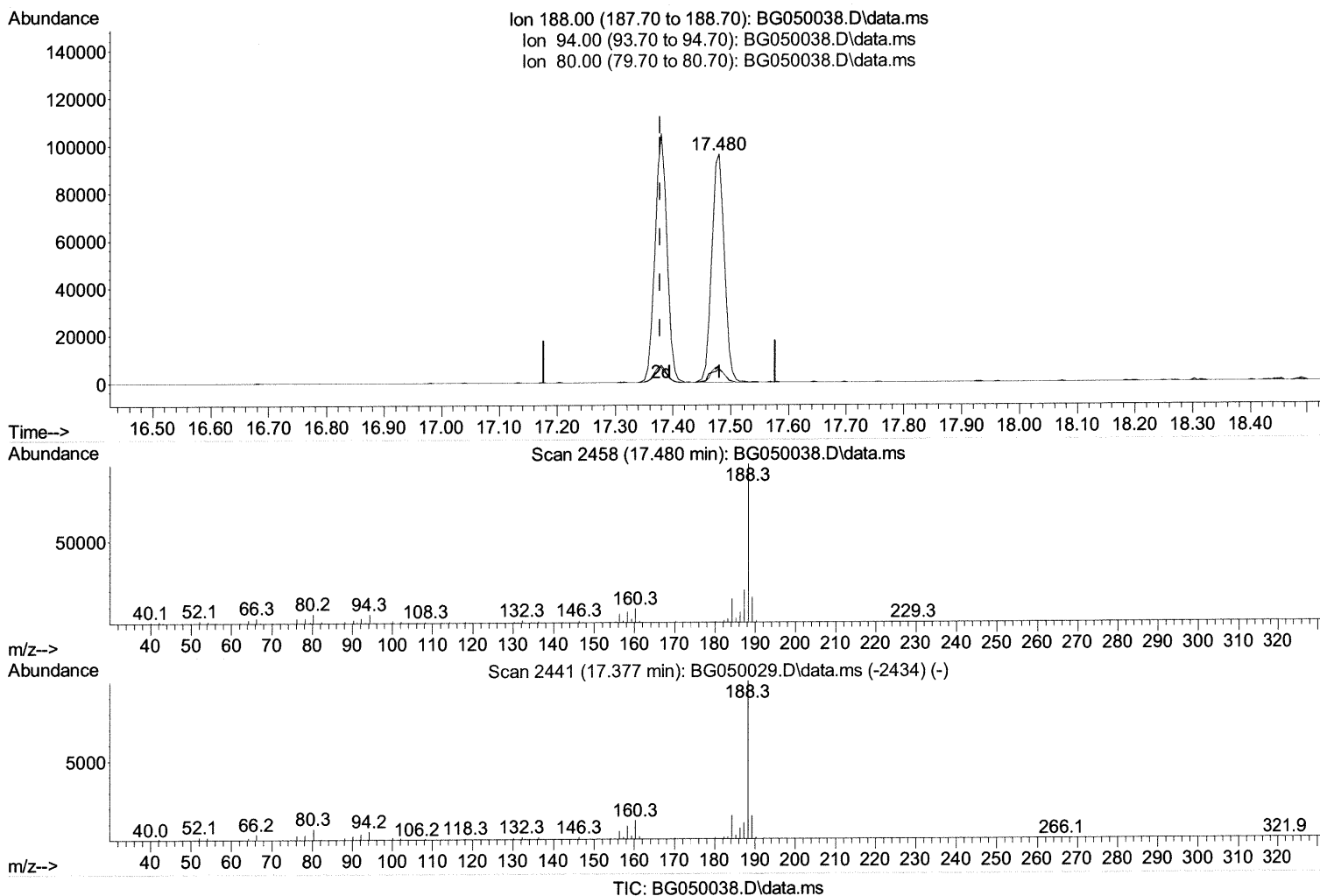
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083021\
Data File : BG050038.D
Acq On : 30 Aug 2021 19:08
Operator : CG/JU
Sample : M3472-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AB9

Manual Integrations
APPROVED

mohammad
8/31/2021 11:35:23 AM

Quant Time: Aug 31 01:01:10 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 30 14:59:55 2021
Response via : Initial Calibration



(64) Phenanthrene-d10 (I)

17.480min (+ 0.103) 20.00 ng/ul

response 144741

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	5.20	5.86
80.00	6.70	5.98
0.00	0.00	0.00

Quantitation Report (Qedit)

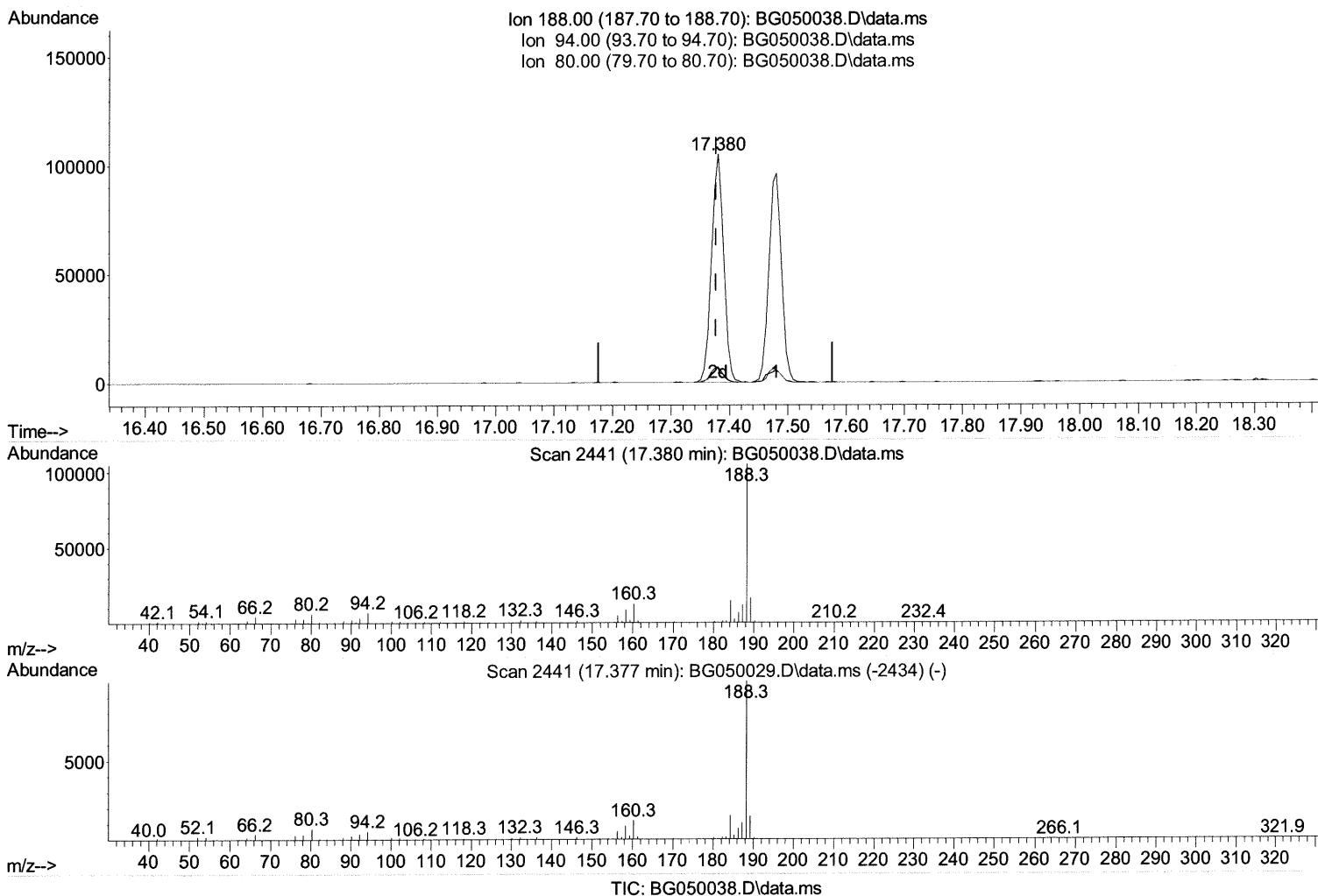
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083021\
Data File : BG050038.D
Acq On : 30 Aug 2021 19:08
Operator : CG/JU
Sample : M3472-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AB9

Manual Integrations
APPROVED

mohammad
8/31/2021 11:35:23 AM

Quant Time: Aug 31 01:01:10 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 30 14:59:55 2021
Response via : Initial Calibration



(64) Phenanthrene-d10 (I)

17.380min (+ 0.003) 20.00 ng/ul m 09/01/2021

response 151406

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	5.20	6.74#
80.00	6.70	5.99
0.00	0.00	0.00

Quantitation Report (Qedit)

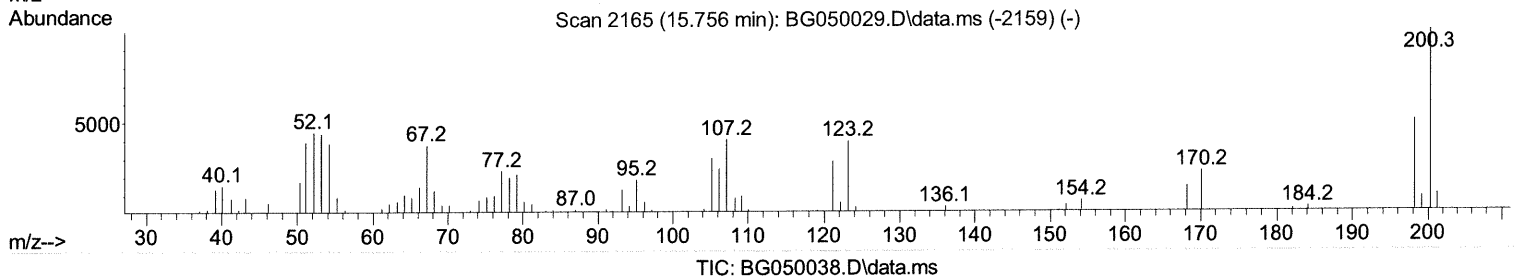
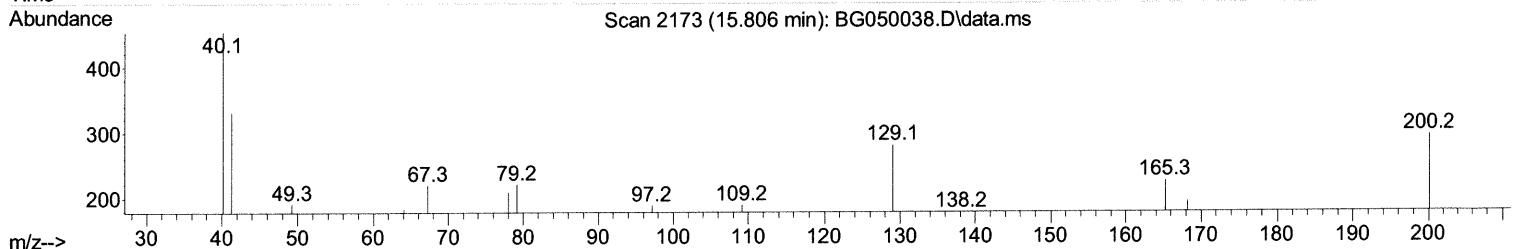
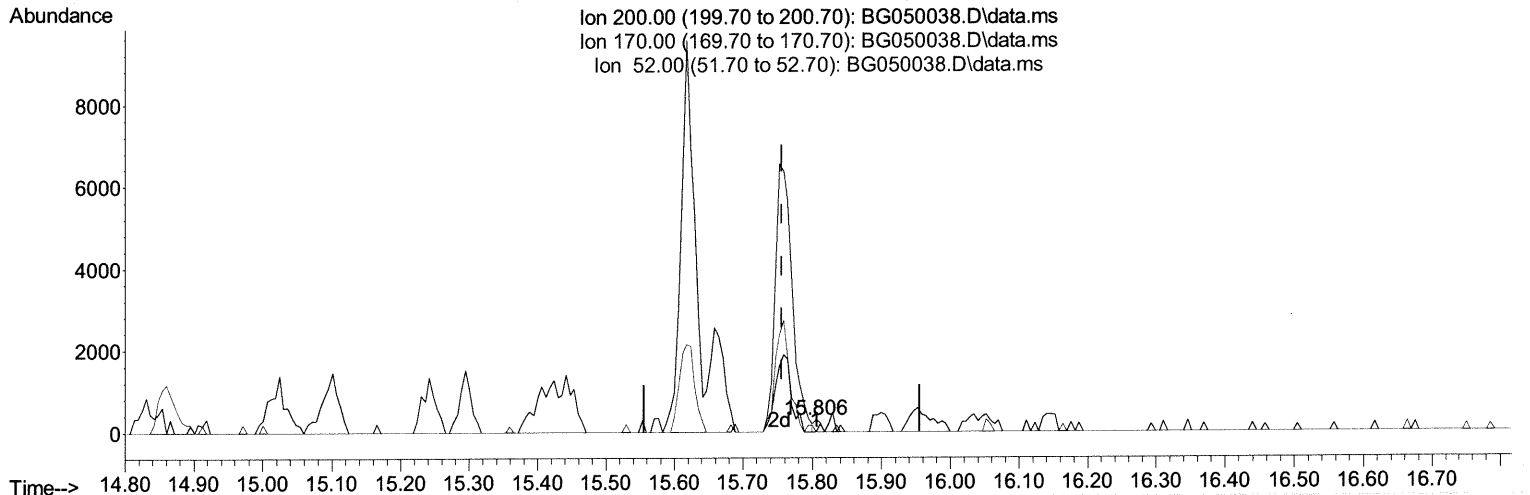
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083021\
 Data File : BG050038.D
 Acq On : 30 Aug 2021 19:08
 Operator : CG/JU
 Sample : M3472-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AB9

Manual Integrations
 APPROVED

mohammad
 8/31/2021 11:35:23 AM

Quant Time: Aug 31 01:01:10 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 30 14:59:55 2021
 Response via : Initial Calibration



TIC: BG050038.D\data.ms

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

15.806min (+ 0.050) 0.19 ng/u1

response 182

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	22.40	0.00#
52.00	45.50	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

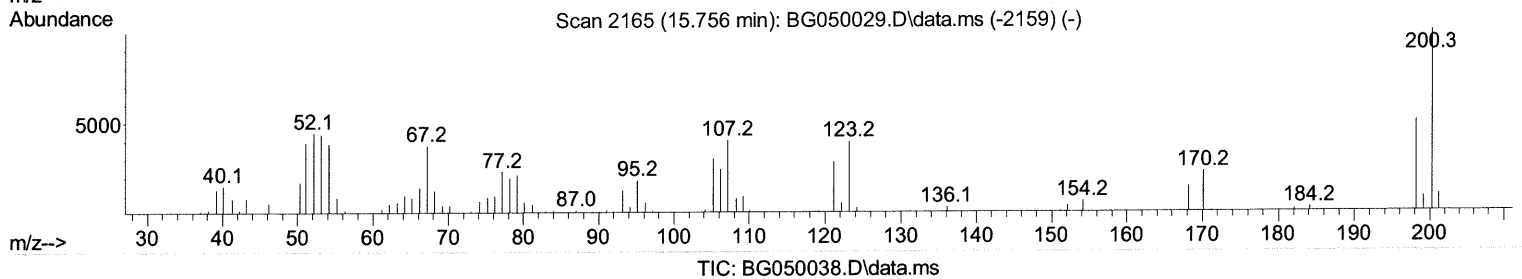
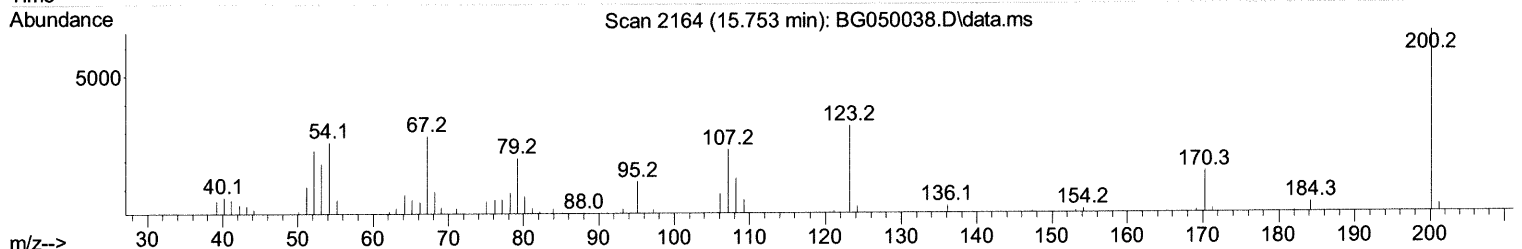
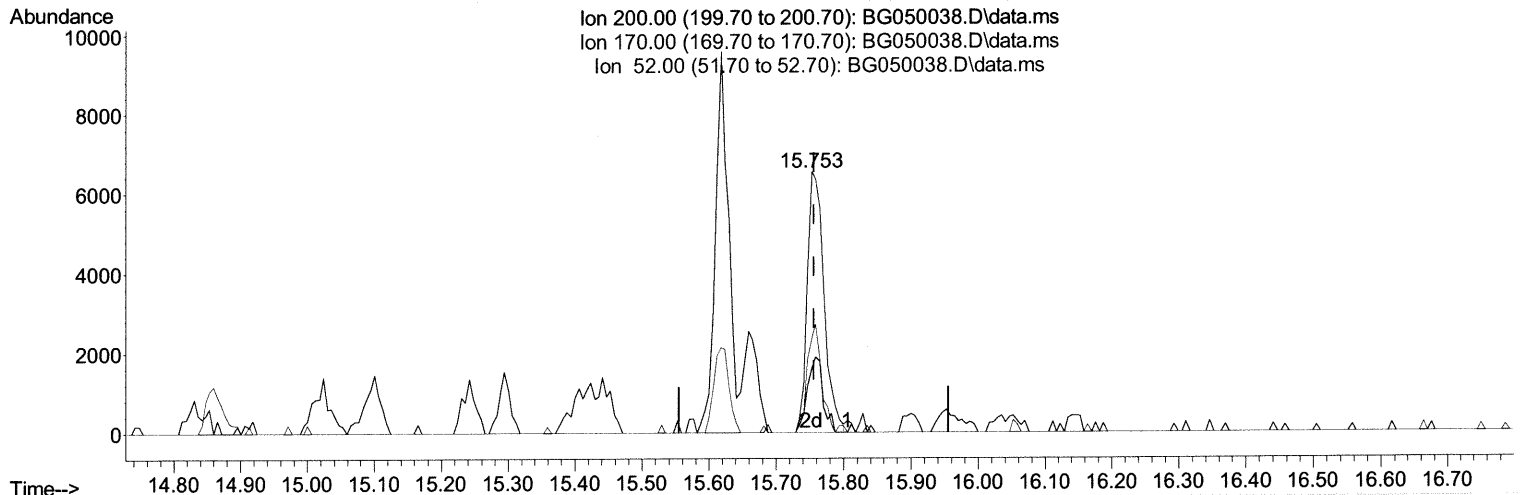
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083021\
 Data File : BG050038.D
 Acq On : 30 Aug 2021 19:08
 Operator : CG/JU
 Sample : M3472-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AB9

Manual Integrations
 APPROVED

mohammad
 8/31/2021 11:35:23 AM

Quant Time: Aug 31 01:01:10 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 30 14:59:55 2021
 Response via : Initial Calibration



TIC: BG050038.D\data.ms

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

15.753min (-0.003) 11.52 ng/ul m 09/01/21 JU

response 11221

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	22.40	24.75
52.00	45.50	36.30#
0.00	0.00	0.00

Quantitation Report (Qedit)

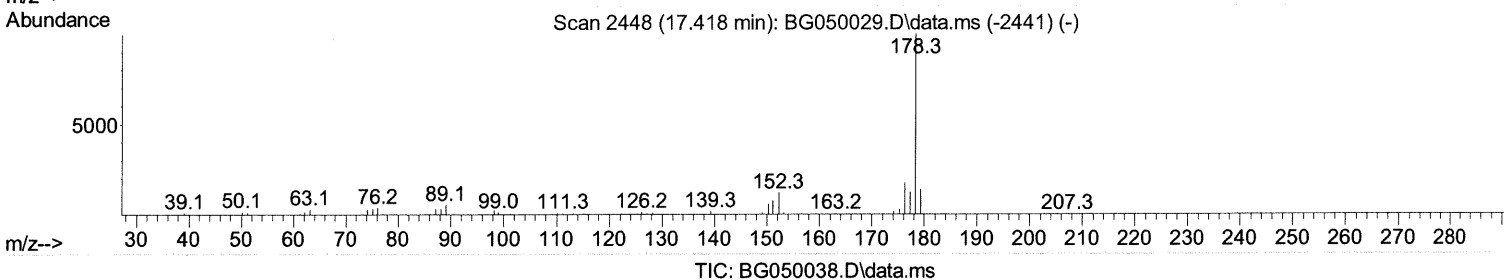
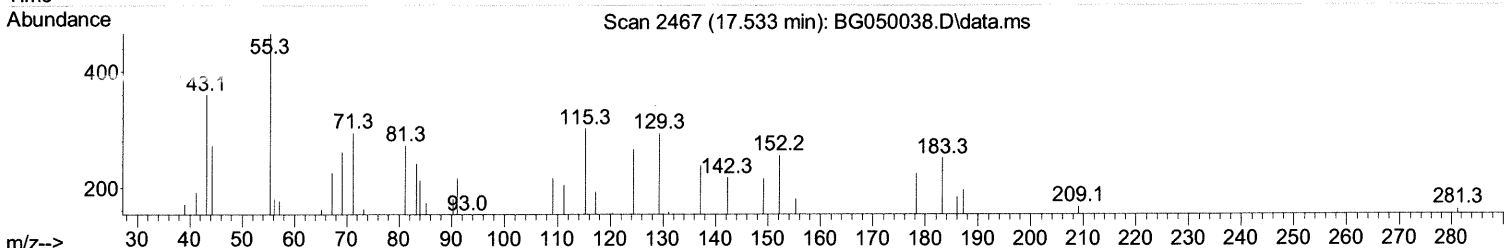
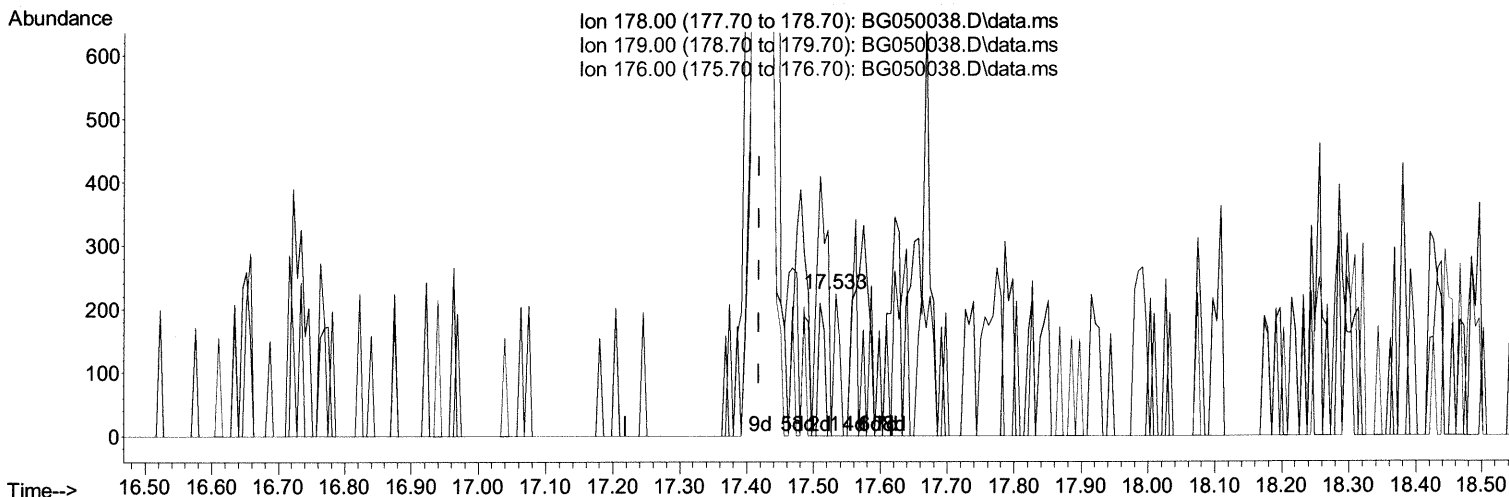
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083021\
 Data File : BG050038.D
 Acq On : 30 Aug 2021 19:08
 Operator : CG/JU
 Sample : M3472-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AB9

Manual Integrations
 APPROVED

mohammad
 8/31/2021 11:35:23 AM

Quant Time: Aug 31 01:01:10 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 30 14:59:55 2021
 Response via : Initial Calibration



TIC: BG050038.D\data.ms

(72) Phenanthrene

17.533min (+ 0.114) 0.02 ng/ul

response 133

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	14.60	0.00#
176.00	20.20	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

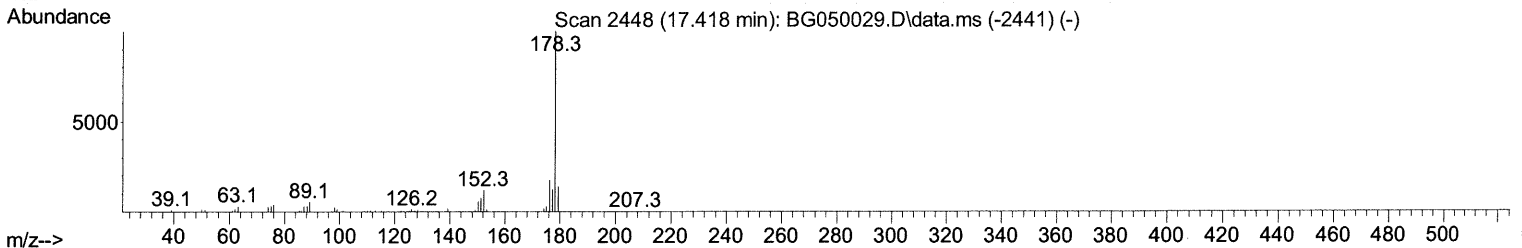
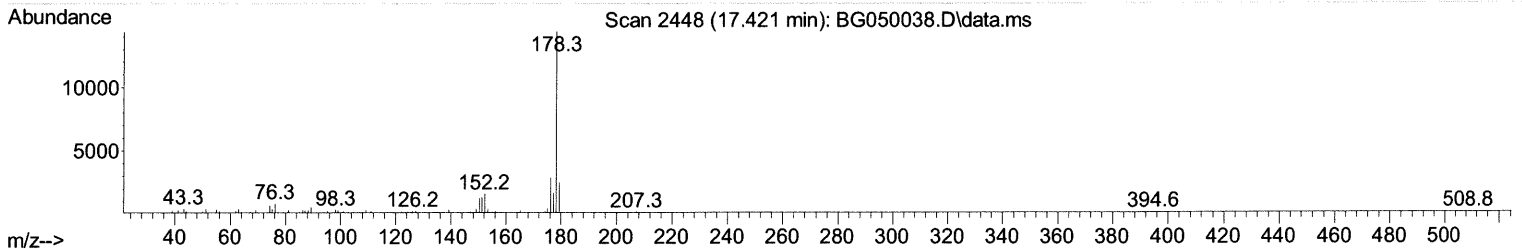
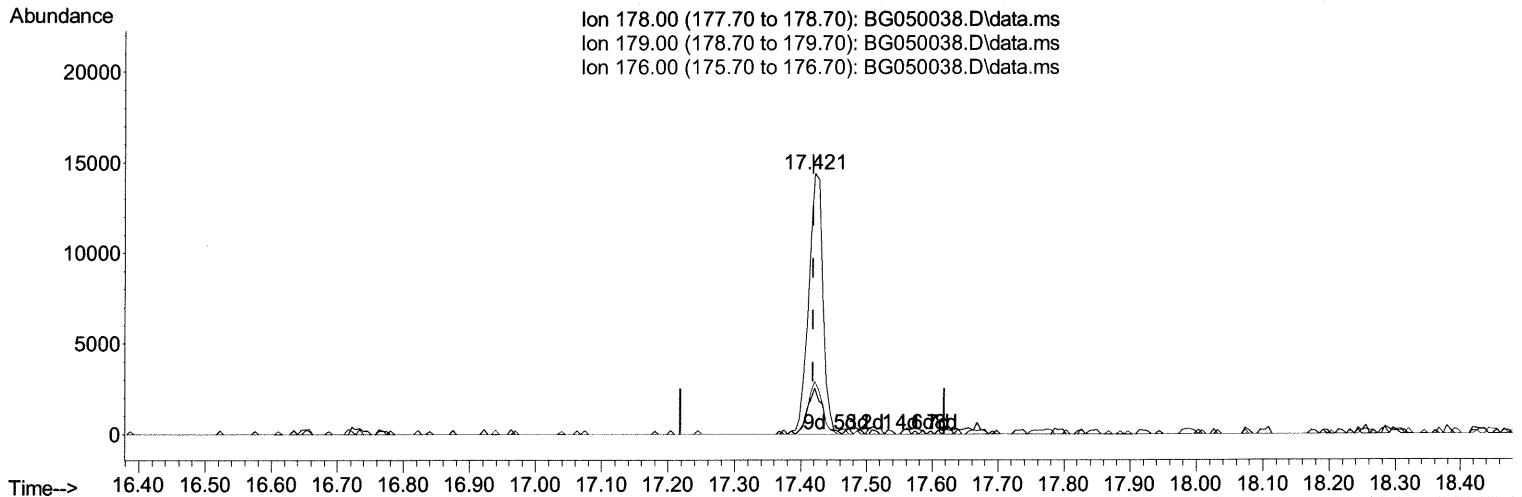
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083021\
 Data File : BG050038.D
 Acq On : 30 Aug 2021 19:08
 Operator : CG/JU
 Sample : M3472-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AB9

Manual Integrations
 APPROVED

mohammad
 8/31/2021 11:35:23 AM

Quant Time: Aug 31 01:01:10 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 30 14:59:55 2021
 Response via : Initial Calibration



TIC: BG050038.D\data.ms

(72) Phenanthrene

17.421min (+ 0.003) 2.91 ng/ul m 09/01/21 JU

response 21960

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	14.60	17.53#
176.00	20.20	20.29
0.00	0.00	0.00

Quantitation Report (Qedit)

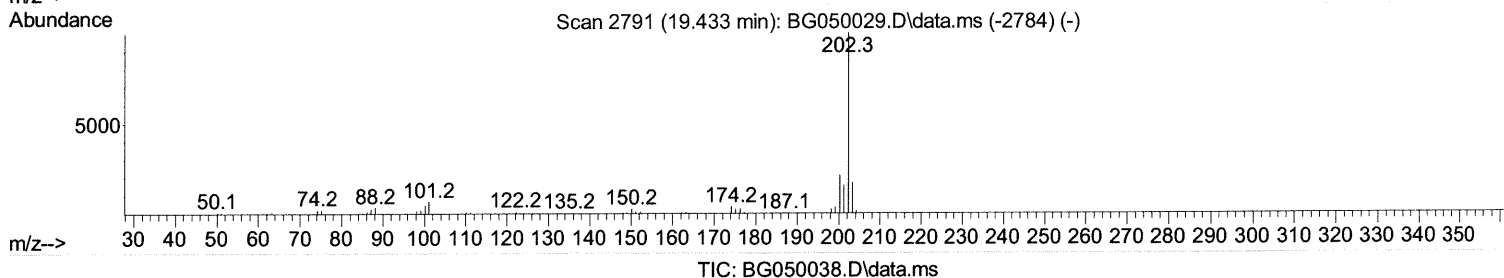
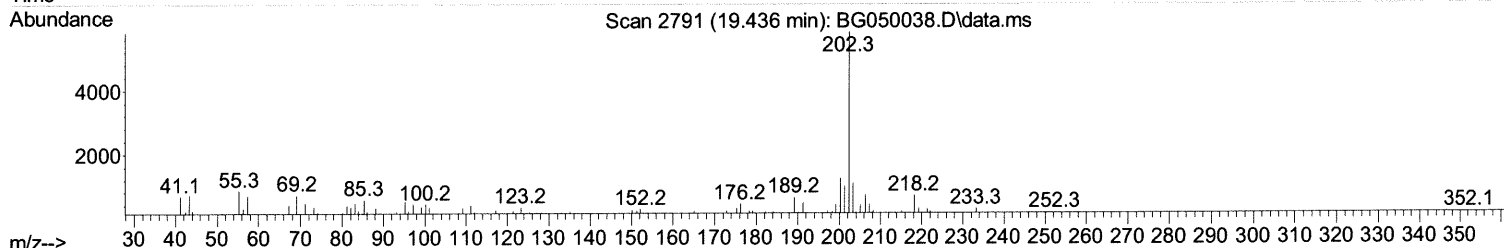
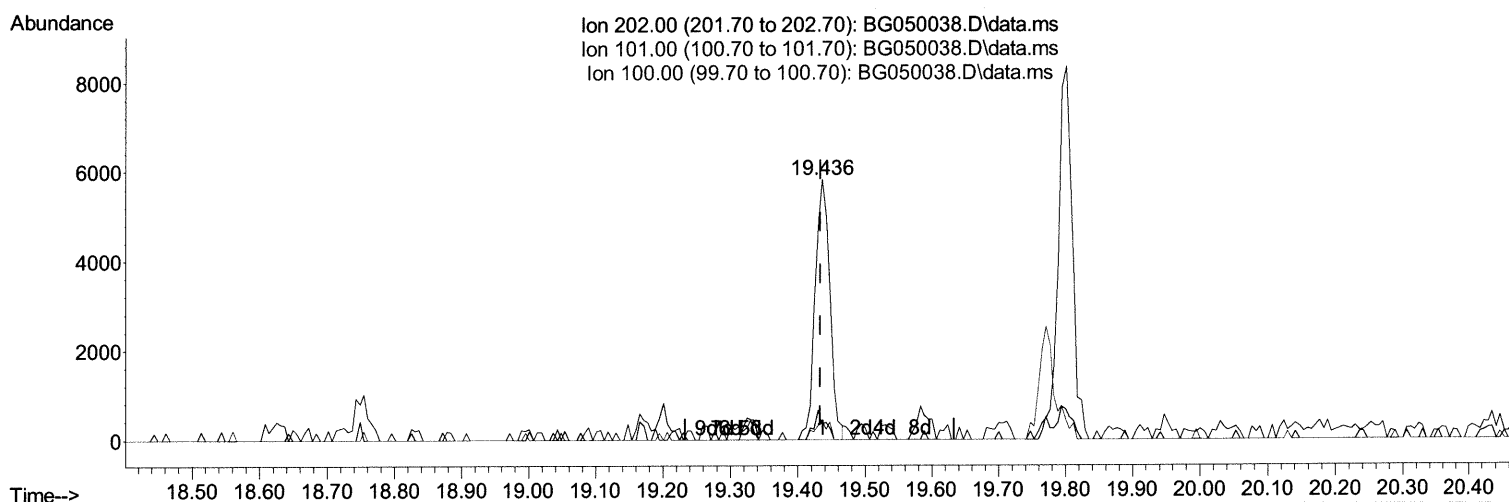
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083021\
Data File : BG050038.D
Acq On : 30 Aug 2021 19:08
Operator : CG/JU
Sample : M3472-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AB9

Manual Integrations
APPROVED

mohammad
8/31/2021 11:35:23 AM

Quant Time: Aug 31 01:01:10 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 30 14:59:55 2021
Response via : Initial Calibration

**(80) Fluoranthene**

19.436min (+ 0.003) 0.99 ng/ul

response 8790

Ion	Exp%	Act%
-----	------	------

202.00	100.00	100.00
--------	--------	--------

101.00	5.40	6.05
--------	------	------

100.00	4.40	7.54#
--------	------	-------

0.00	0.00	0.00
------	------	------

Quantitation Report (Qedit)

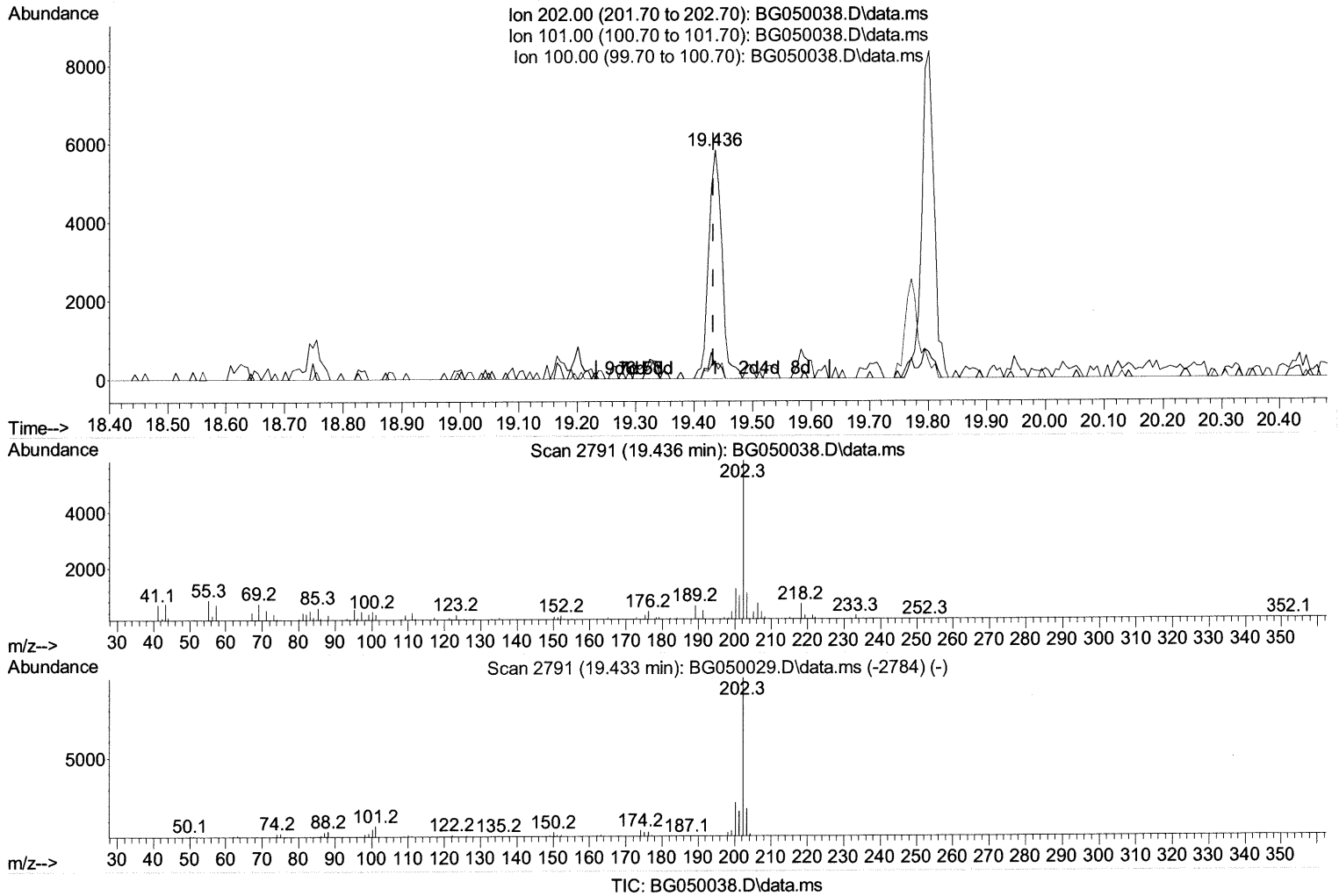
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083021\
 Data File : BG050038.D
 Acq On : 30 Aug 2021 19:08
 Operator : CG/JU
 Sample : M3472-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AB9

Manual Integrations
 APPROVED

mohammad
 8/31/2021 11:35:23 AM

Quant Time: Aug 31 01:01:10 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 30 14:59:55 2021
 Response via : Initial Calibration



(80) Fluoranthene

19.436min (+ 0.003) 1.01 ng/ul m 09/01/2021

response 8956

Ion	Exp%	Act%
202.00	100.00	100.00
101.00	5.40	6.05
100.00	4.40	7.54#
0.00	0.00	0.00

Quantitation Report (Qedit)

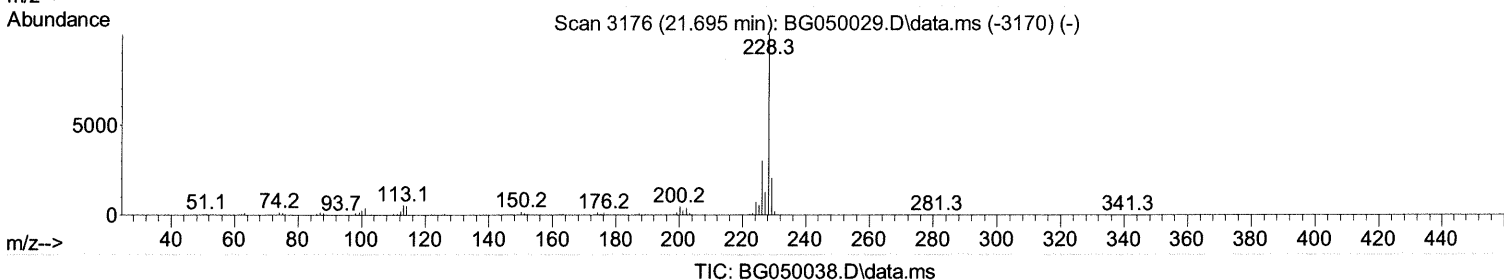
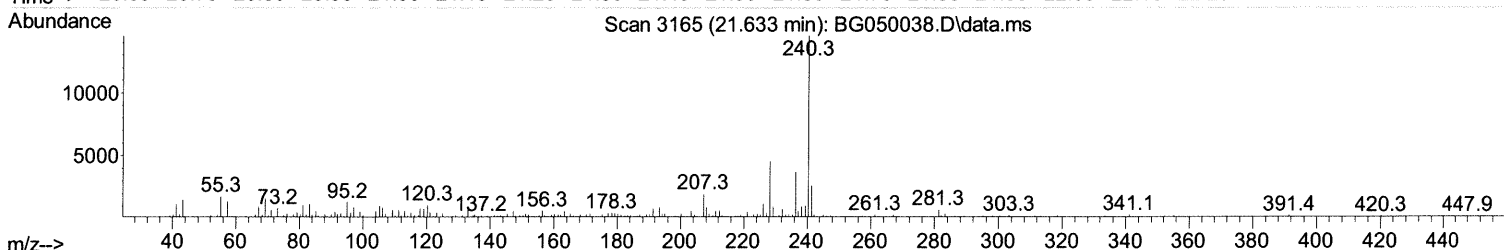
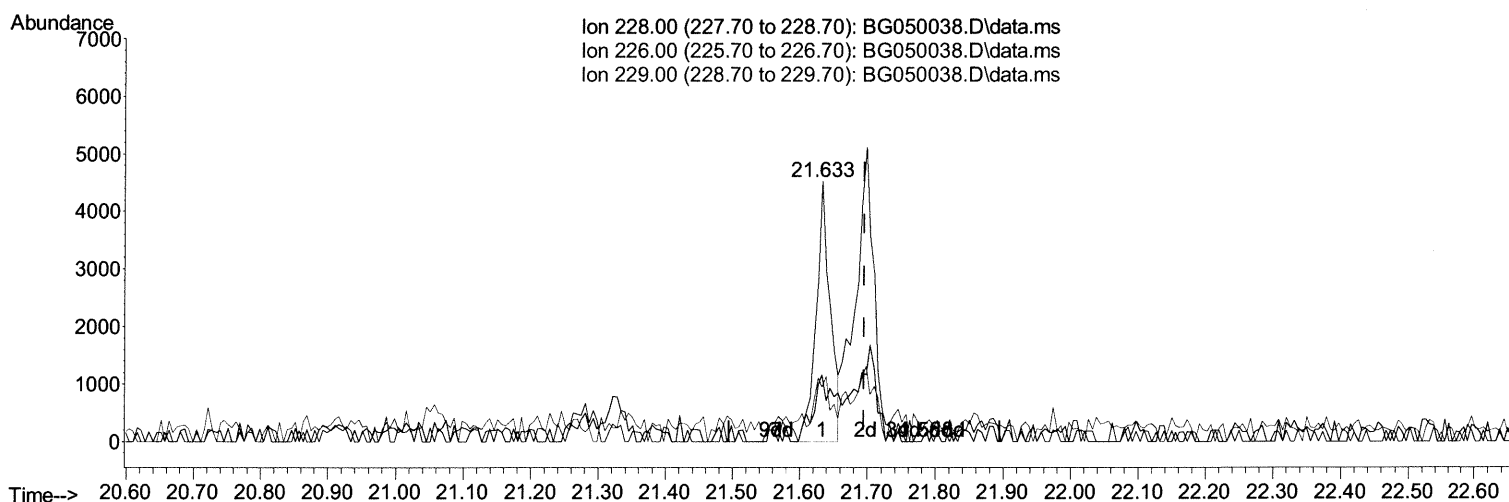
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083021\
Data File : BG050038.D
Acq On : 30 Aug 2021 19:08
Operator : CG/JU
Sample : M3472-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AB9

Manual Integrations
APPROVED

mohammad
8/31/2021 11:35:23 AM

Quant Time: Aug 31 01:01:10 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 30 14:59:55 2021
Response via : Initial Calibration



(87) Chrysene

21.633min (-0.062) 0.84 ng/ul

response 6616

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	28.70	25.51
229.00	22.20	20.78
0.00	0.00	0.00

Quantitation Report (Qedit)

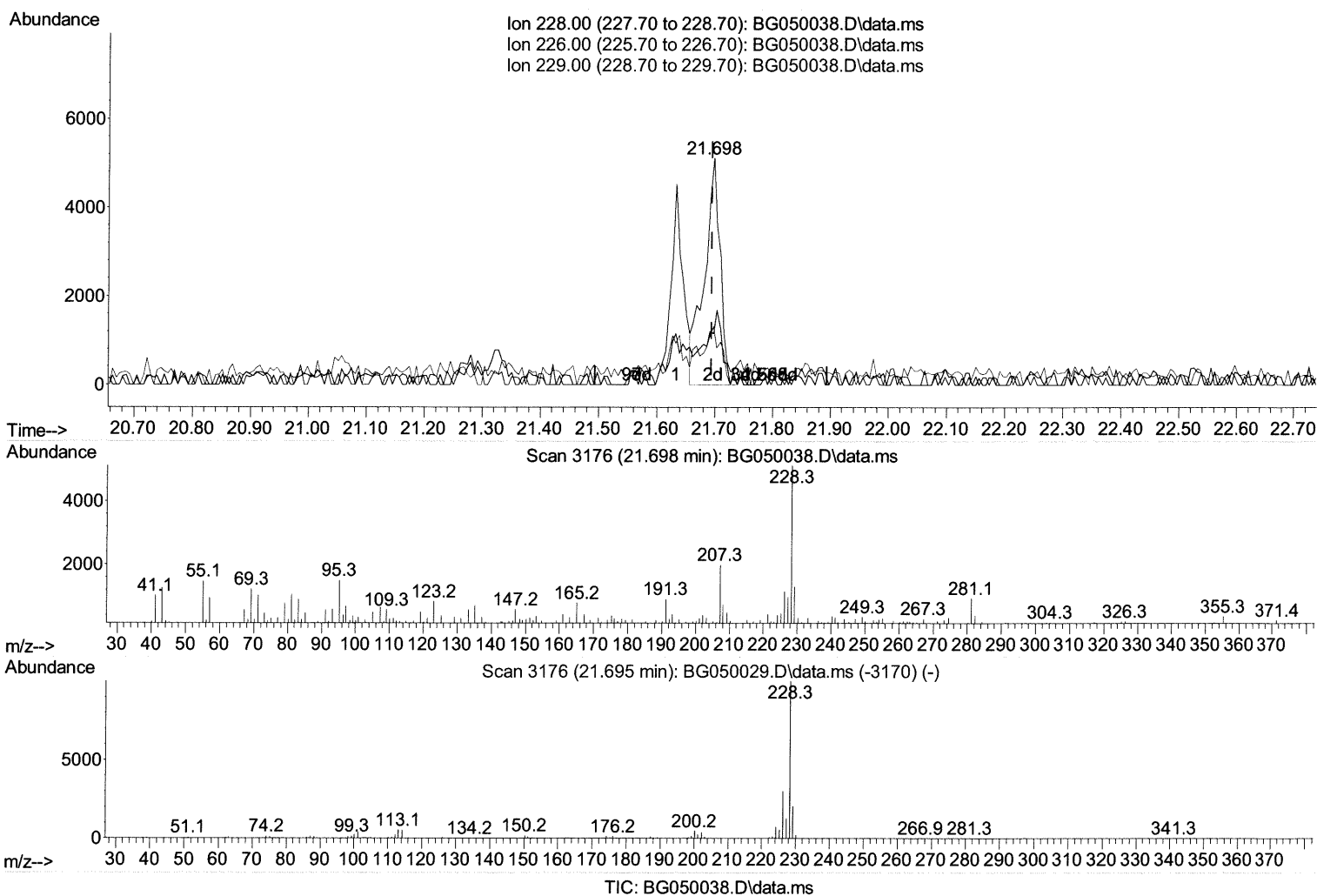
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083021\
Data File : BG050038.D
Acq On : 30 Aug 2021 19:08
Operator : CG/JU
Sample : M3472-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AB9

Manual Integrations
APPROVED

mohammad
8/31/2021 11:35:23 AM

Quant Time: Aug 31 01:01:10 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION
Qlast Update : Mon Aug 30 14:59:55 2021
Response via : Initial Calibration



(87) Chrysene

21.698min (+ 0.003) 1.25 ng/ul m 09/01/21 JU

response 9826

Ion	Exp%	Act%
228.00	100.00	100.00
226.00	28.70	22.62#
229.00	22.20	25.59
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083021\
 Data File : BG050038.D
 Acq On : 30 Aug 2021 19:08
 Operator : CG/JU
 Sample : M3472-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 C0AB9

Manual Integrations
 APPROVED

mohammad
 8/31/2021 11:35:23 AM

Quant Time: Aug 31 01:01:10 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 30 14:59:55 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	24970	20.000	ng/ul	0.00
20) Naphthalene-d8	10.783	136	106012	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.625	164	75570	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.380	188	151406m	20.000	ng/ul	> 0.00 09/01/21 JU
79) Chrysene-d12	21.651	240	133265	20.000	ng/ul	0.00
88) Perylene-d12	24.881	264	141483	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.328	96	1491m	3.079	ng/ul	> 0.01 09/01/21 JU
4) Pyridine-d5	3.769	84	5752m	3.944	ng/ul	> 0.03 09/01/21 JU
7) Phenol-d5	7.135	99	40318	19.015	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.288	67	22488	19.090	ng/ul	0.00
11) 2-Chlorophenol-d4	7.499	132	30714	19.359	ng/ul	0.00
15) 4-Methylphenol-d8	8.692	113	33189	19.875	ng/ul	0.00
21) Nitrobenzene-d5	9.138	128	16271	19.797	ng/ul	0.00
24) 2-Nitrophenol-d4	9.861	143	19356	19.778	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.413	165	34026	19.493	ng/ul	0.00
31) 4-Chloroaniline-d4	10.924	131	37265	15.685	ng/ul	0.00
46) Dimethylphthalate-d6	14.020	166	107826	18.644	ng/ul	0.00
49) Acenaphthylene-d8	14.319	160	139994	20.645	ng/ul	0.00
54) 4-Nitrophenol-d4	14.866	143	14012m	16.746	ng/ul	> 0.02 09/01/21 JU
60) Fluorene-d10	15.618	176	98645	20.117	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.753	200	11221m	11.520	ng/ul	> 0.00 09/01/21 JU
73) Anthracene-d10	17.480	188	144741	21.289	ng/ul	0.00
81) Pyrene-d10	19.771	212	161247	22.391	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.664	264	151218	20.146	ng/ul	0.01
Target Compounds						
					Qvalue	
30) Naphthalene	10.836	128	18199	3.435	ng/ul	99
36) 2-Methylnaphthalene	12.445	142	17582	4.464	ng/ul	95
37) 1-Methylnaphthalene	12.669	142	14261	3.587	ng/ul#	96
56) Dibenzofuran	15.024	168	7202	1.157	ng/ul	94
72) Phenanthrene	17.421	178	21960m	2.909	ng/ul	> 09/01/21 JU
80) Fluoranthene	19.436	202	8956m	1.008	ng/ul	> 09/01/21 JU
82) Pyrene	19.800	202	12410	1.409	ng/ul	97
87) Chrysene	21.698	228	9826m	1.252	ng/ul	> 09/01/21 JU

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