

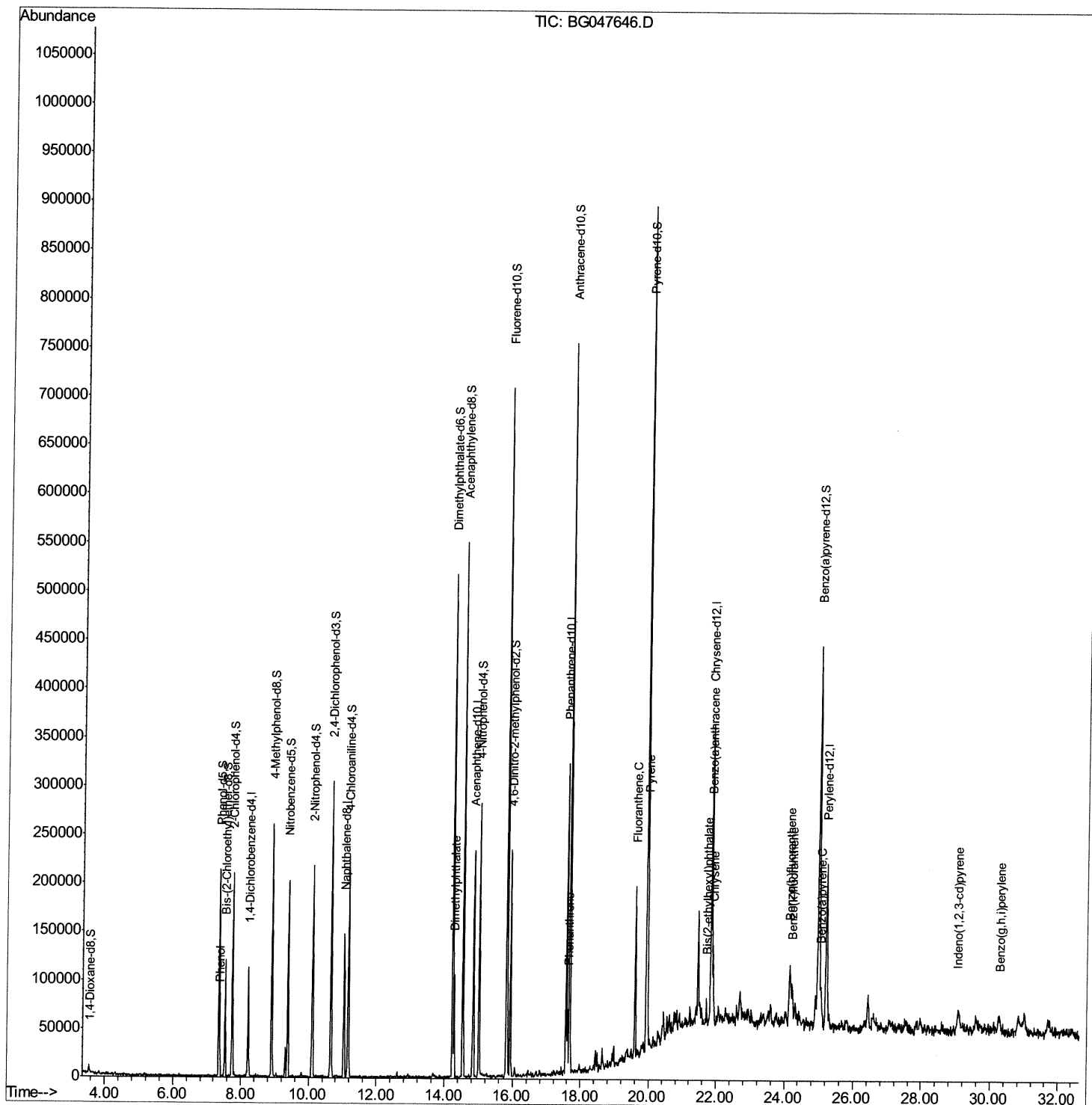
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
Data File : BG047646.D
Acq On : 8 Dec 2020 11:37
Operator : CG/JU
Sample : L4862-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0BH4

Manual Integrations
APPROVED

mohammad
12/9/2020 12:19:37 PM

Quant Time: Dec 08 15:01:07 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 07 18:31:37 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

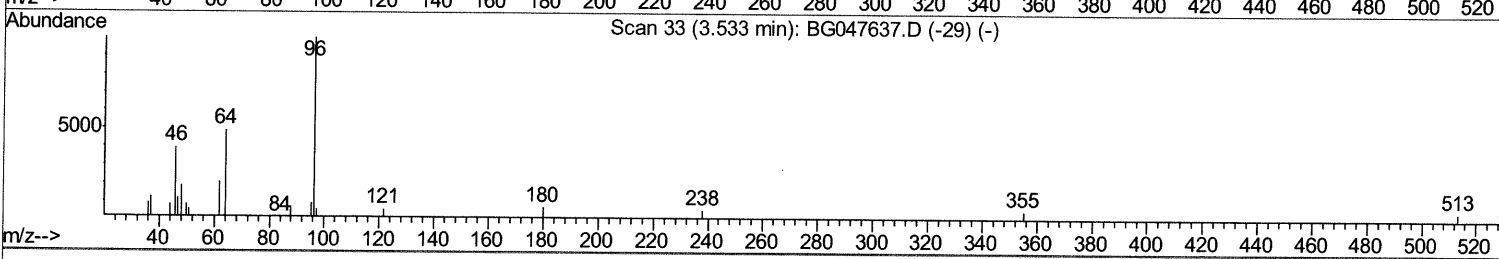
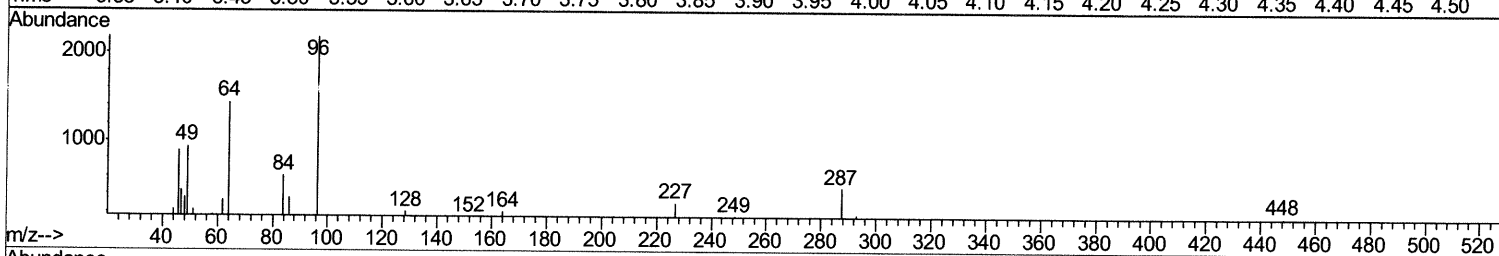
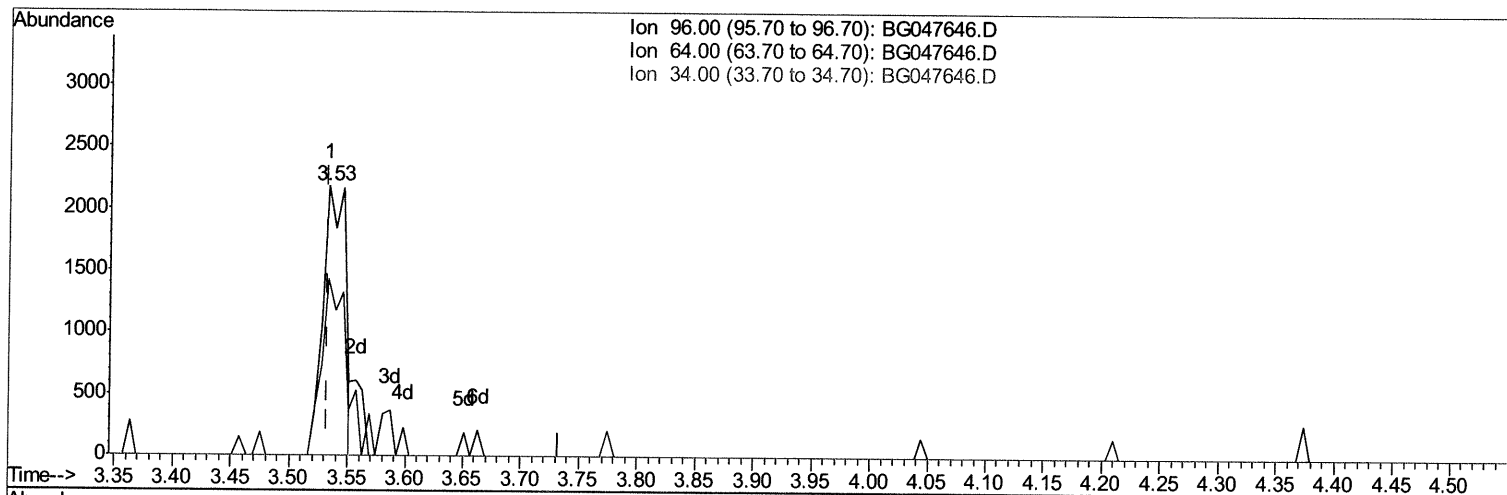
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
Data File : BG047646.D
Acq On : 8 Dec 2020 11:37
Operator : CG/JU
Sample : L4862-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0BH4

Manual Integrations
APPROVED

mohammad
12/9/2020 12:19:37 PM

Quant Time: Dec 08 14:56:35 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 07 18:31:37 2020
Response via : Initial Calibration



TIC: BG047646.D

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

3.533min (+0.001) 5.48ng/uL

response 2896

Ion	Exp%	Act%
96.00	100	100
64.00	84.30	65.58#
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

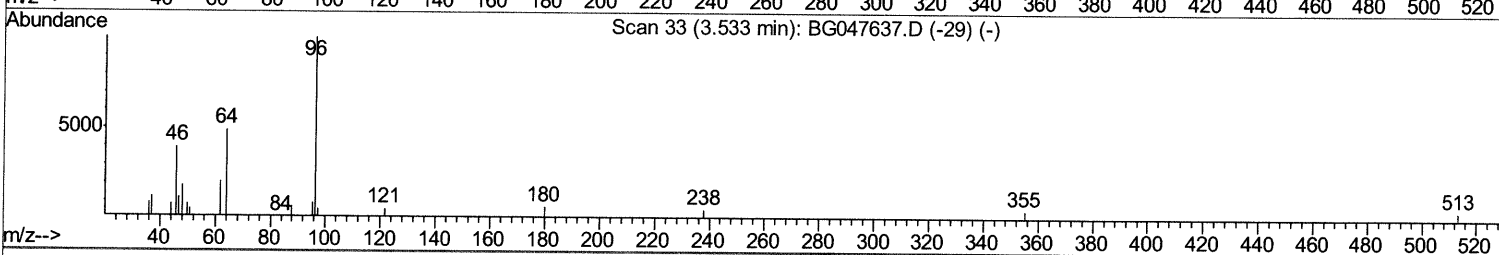
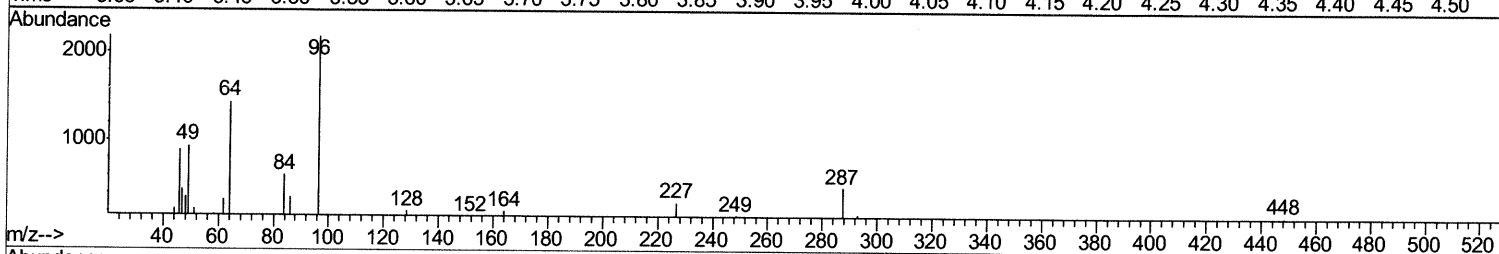
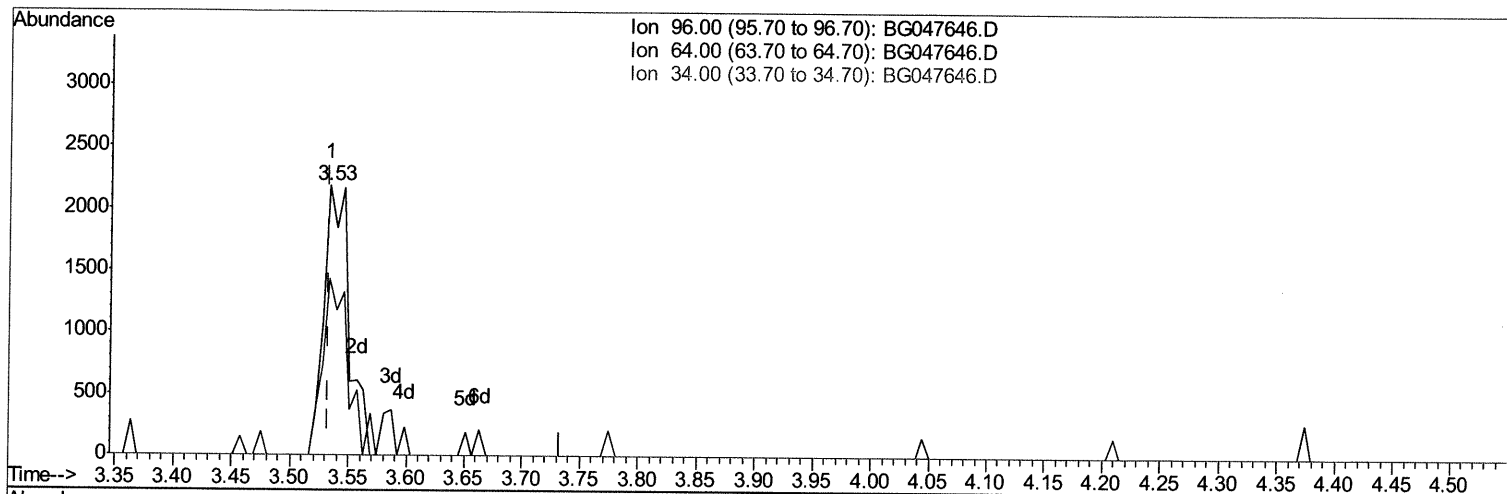
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
 Data File : BG047646.D
 Acq On : 8 Dec 2020 11:37
 Operator : CG/JU
 Sample : L4862-21
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0BH4

Manual Integrations
 APPROVED

mohammad
 12/9/2020 12:19:37 PM

Quant Time: Dec 08 14:56:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 07 18:31:37 2020
 Response via : Initial Calibration



TIC: BG047646.D

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

3.533min (+0.001) 6.24ng/uL m 12/09/20 JU

response 3295

Ion	Exp%	Act%
96.00	100	100
64.00	84.30	65.58#
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

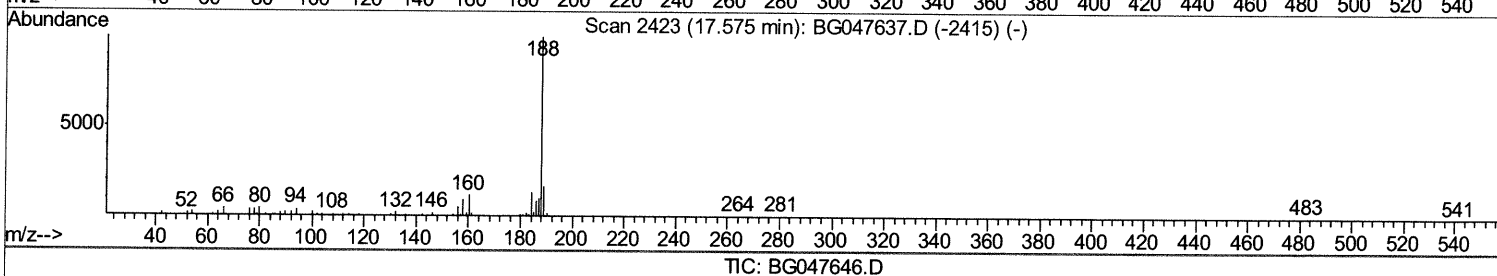
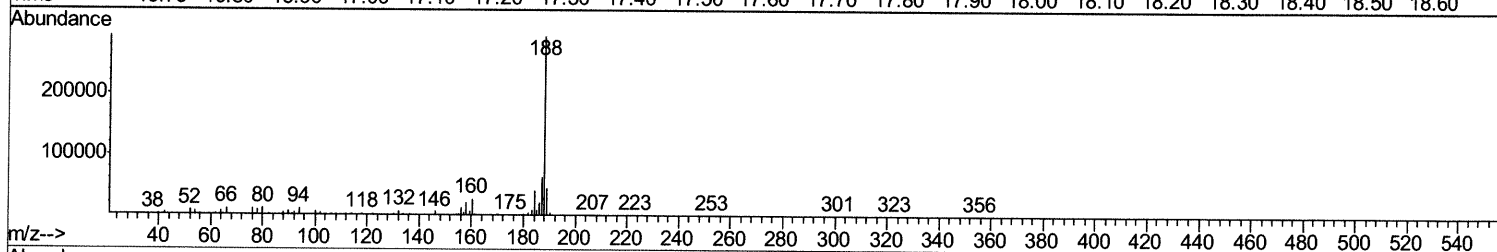
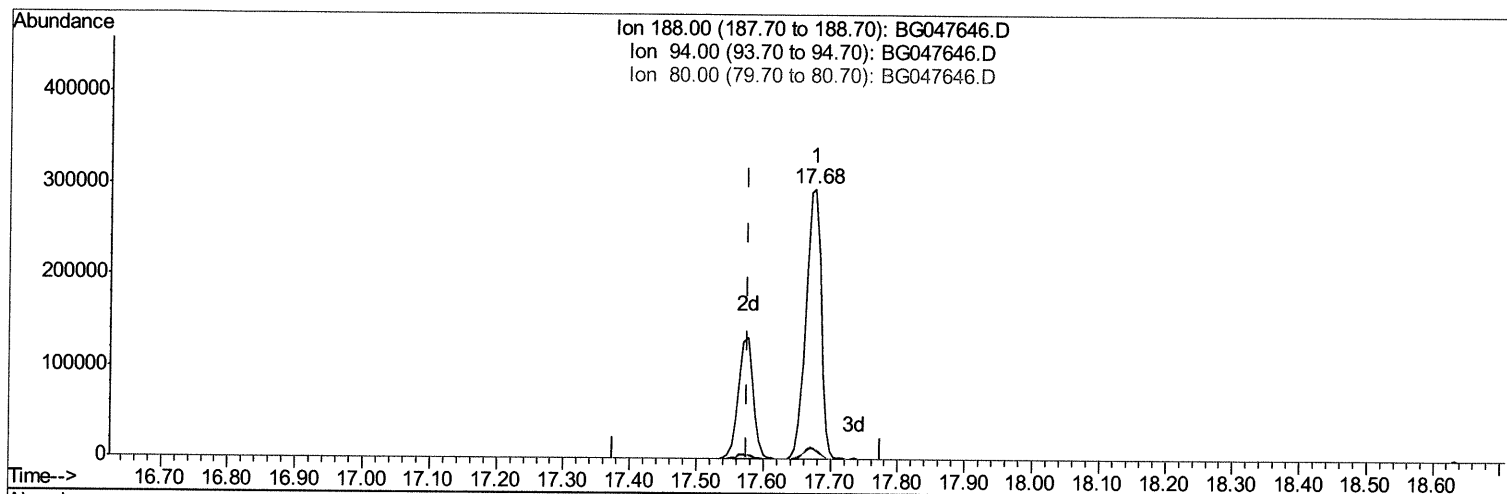
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
Data File : BG047646.D
Acq On : 8 Dec 2020 11:37
Operator : CG/JU
Sample : L4862-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0BH4

Manual Integrations
APPROVED

mohammad
12/9/2020 12:19:37 PM

Quant Time: Dec 08 14:56:35 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 07 18:31:37 2020
Response via : Initial Calibration



TIC: BG047646.D

(62) Phenanthrene-d10 (I)

17.676min (+0.101) 20.00ng/ul

response 460605

Ion	Exp%	Act%
188.00	100	100
94.00	3.60	3.59
80.00	4.20	4.07
0.00	0.00	0.00

Quantitation Report (Qedit)

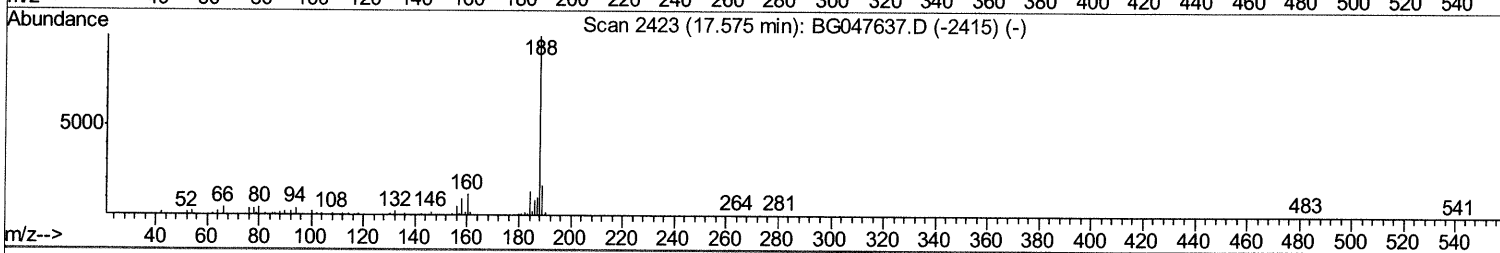
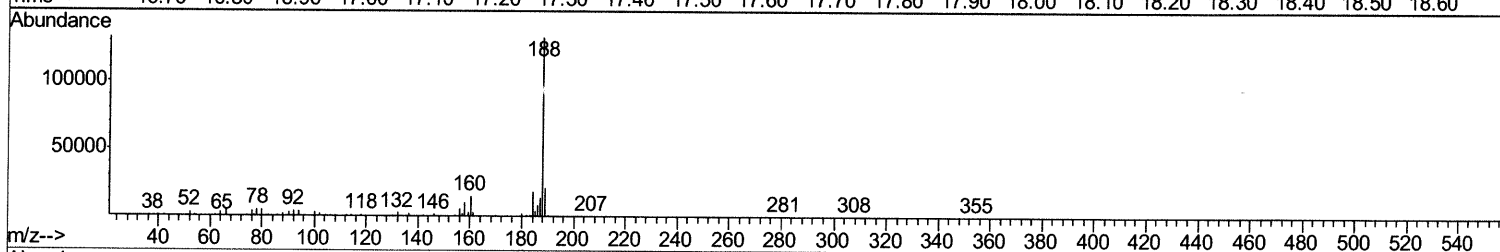
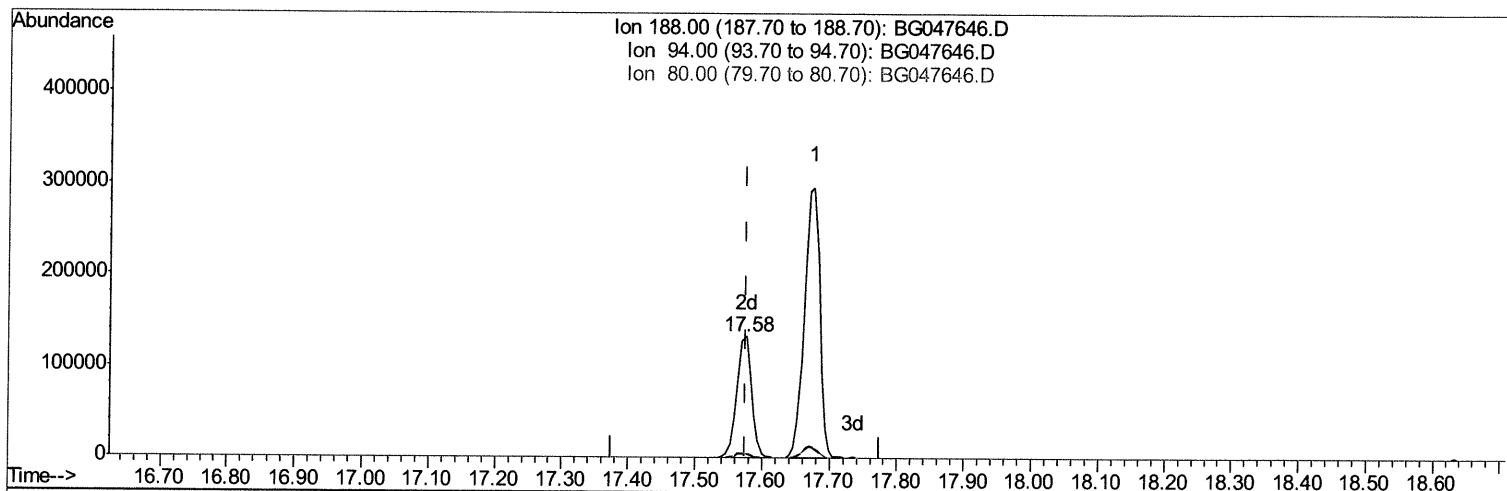
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
 Data File : BG047646.D
 Acq On : 8 Dec 2020 11:37
 Operator : CG/JU
 Sample : L4862-21
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0BH4

Manual Integrations
 APPROVED

mohammad
 12/9/2020 12:19:37 PM

Quant Time: Dec 08 14:56:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 07 18:31:37 2020
 Response via : Initial Calibration



TIC: BG047646.D

(62) Phenanthrene-d10 (I)

17.576min (+0.001) 20.00ng/ul m 12/09/2020 JU

response 201967

Ion	Exp%	Act%
188.00	100	100
94.00	3.60	2.85#
80.00	4.20	3.54
0.00	0.00	0.00

Quantitation Report (Qedit)

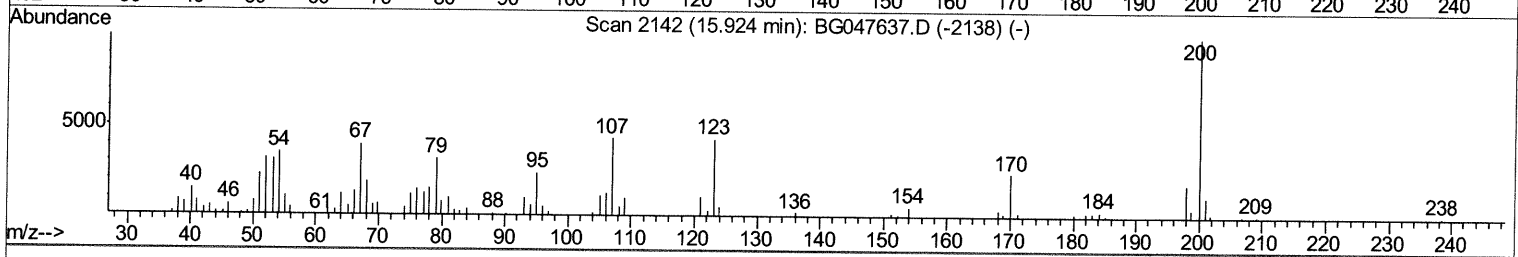
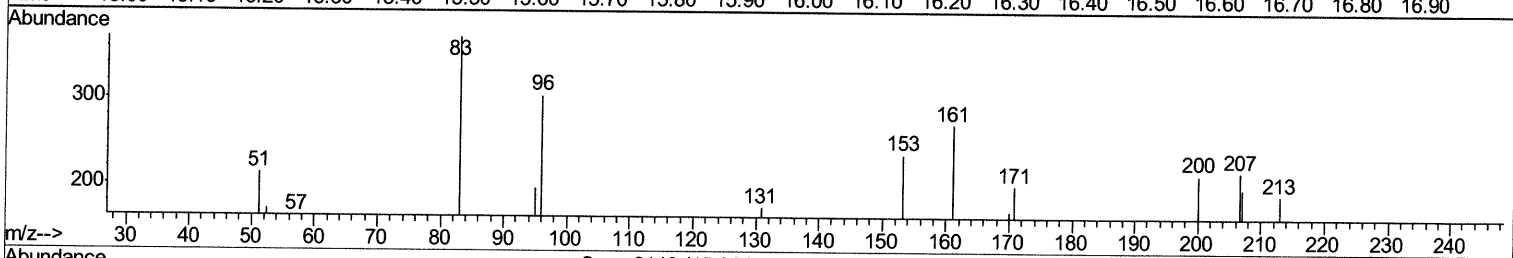
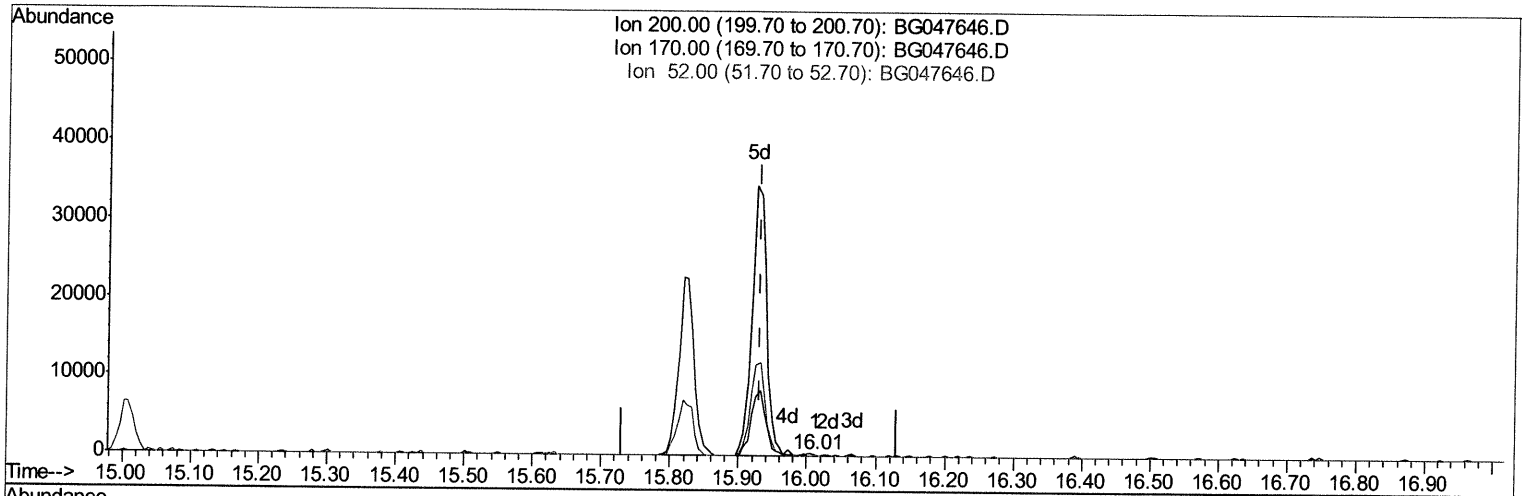
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
Data File : BG047646.D
Acq On : 8 Dec 2020 11:37
Operator : CG/JU
Sample : L4862-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0BH4

Manual Integrations
APPROVED

mohammad
12/9/2020 12:19:37 PM

Quant Time: Dec 08 14:58:06 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 07 18:31:37 2020
Response via : Initial Calibration



TIC: BG047646.D

(63) 4,6-Dinitro-2-methylphenol-d2 (S)

16.013min (+0.083) 0.05ng/ul

response 75

Ion	Exp%	Act%
200.00	100	100
170.00	22.20	79.34#
52.00	43.70	80.28#
0.00	0.00	0.00

Quantitation Report (Qedit)

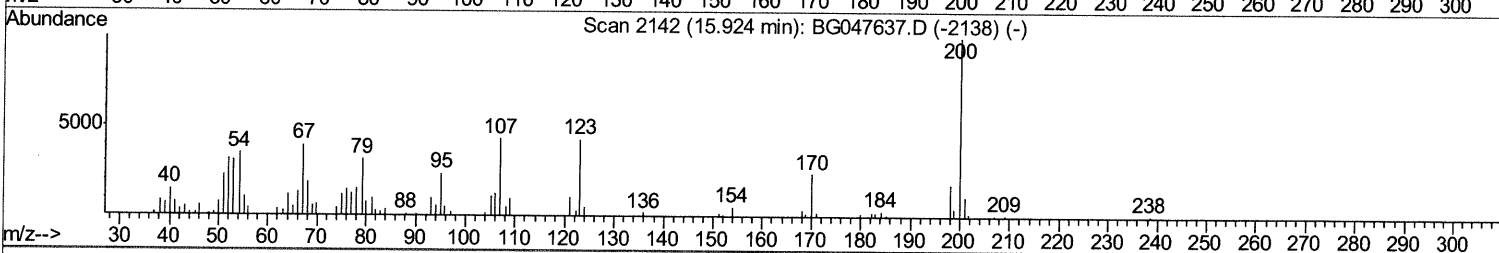
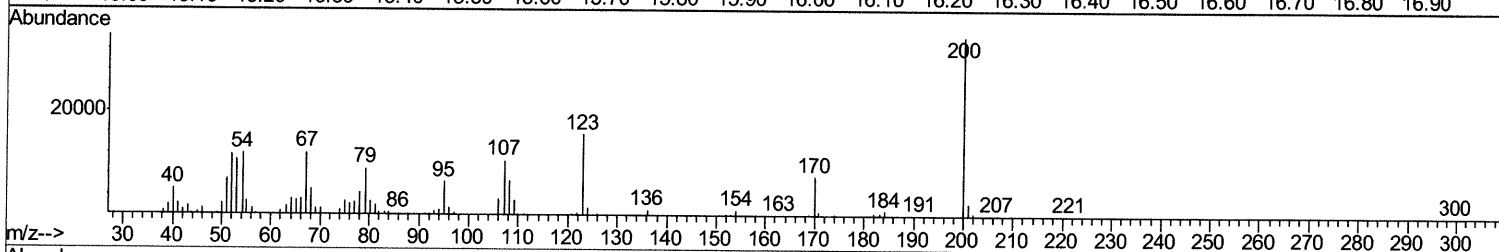
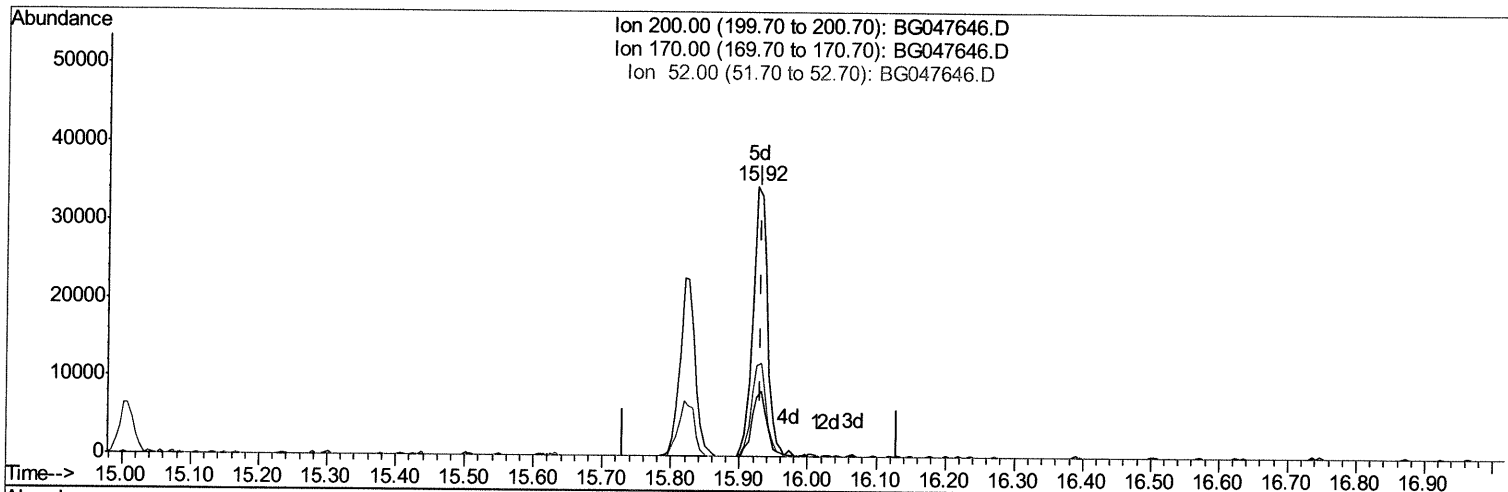
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
 Data File : BG047646.D
 Acq On : 8 Dec 2020 11:37
 Operator : CG/JU
 Sample : L4862-21
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0BH4

Manual Integrations
 APPROVED

mohammad
 12/9/2020 12:19:37 PM

Quant Time: Dec 08 14:58:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 07 18:31:37 2020
 Response via : Initial Calibration



TIC: BG047646.D

(63) 4,6-Dinitro-2-methylphenol-d2 (S)

15.925min (-0.005) 37.26ng/ul m 12/09/20 JU

response 50935

Ion	Exp%	Act%
200.00	100	100
170.00	22.20	21.94
52.00	43.70	33.80#
0.00	0.00	0.00

Quantitation Report (Qedit)

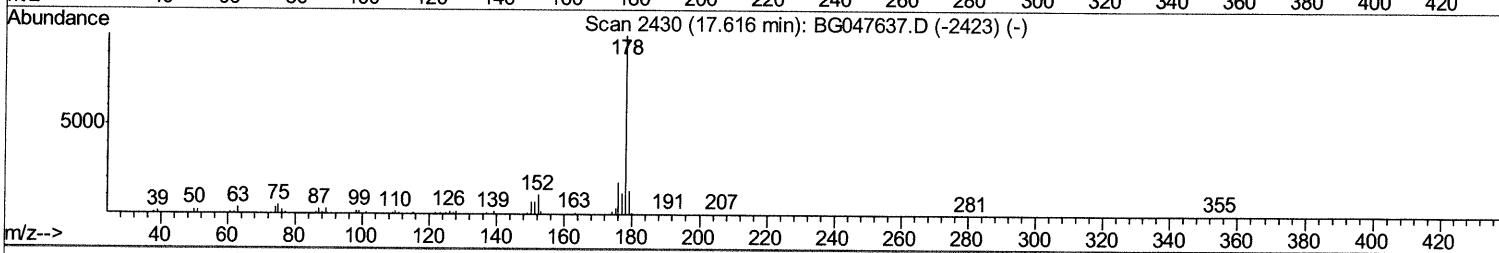
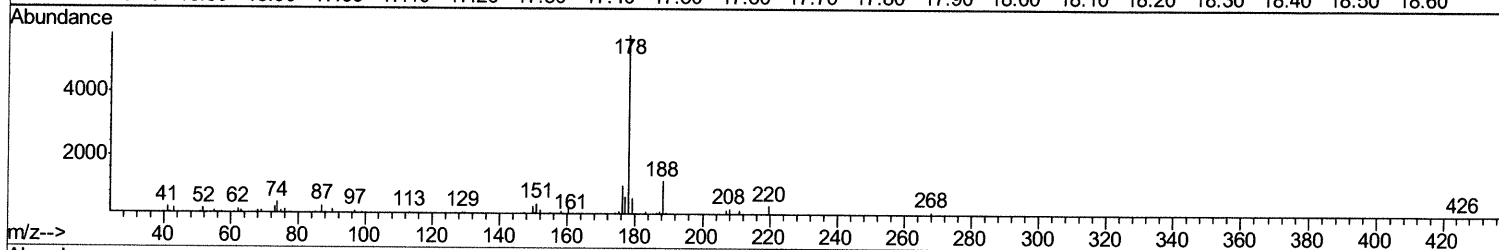
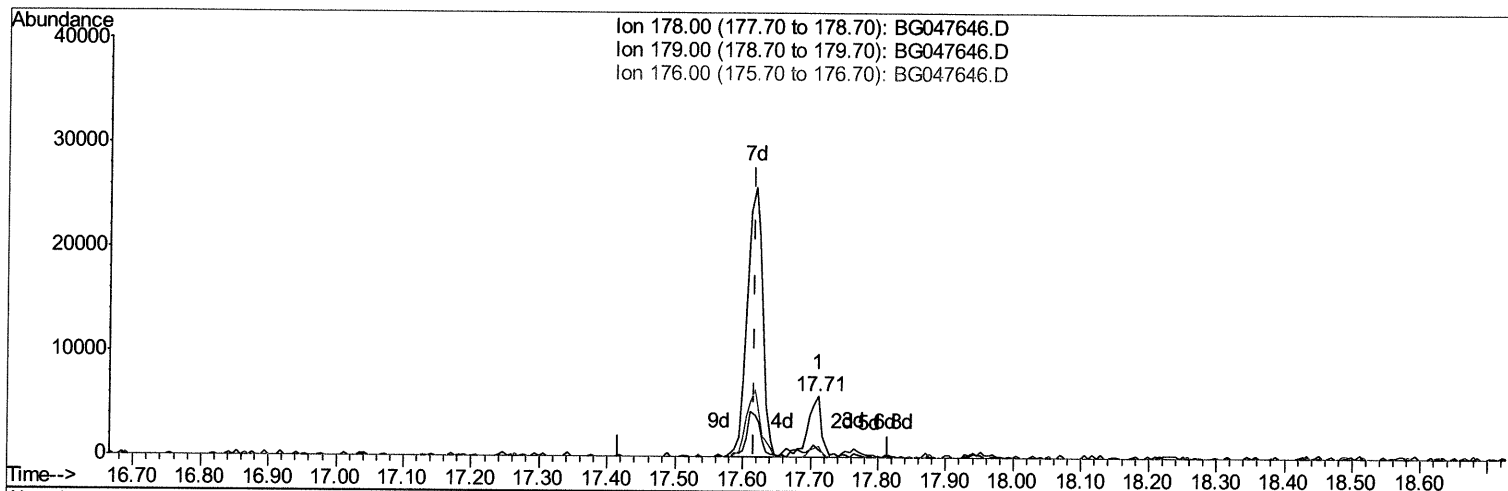
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
 Data File : BG047646.D
 Acq On : 8 Dec 2020 11:37
 Operator : CG/JU
 Sample : L4862-21
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0BH4

Manual Integrations
 APPROVED

mohammad
 12/9/2020 12:19:37 PM

Quant Time: Dec 08 14:58:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 07 18:31:37 2020
 Response via : Initial Calibration



TIC: BG047646.D

(70) Phenanthrene

17.711min (+0.095) 0.73ng/ul

response 7986

Ion	Exp%	Act%
178.00	100	100
179.00	14.50	11.62
176.00	19.80	17.94
0.00	0.00	0.00

Quantitation Report (Qedit)

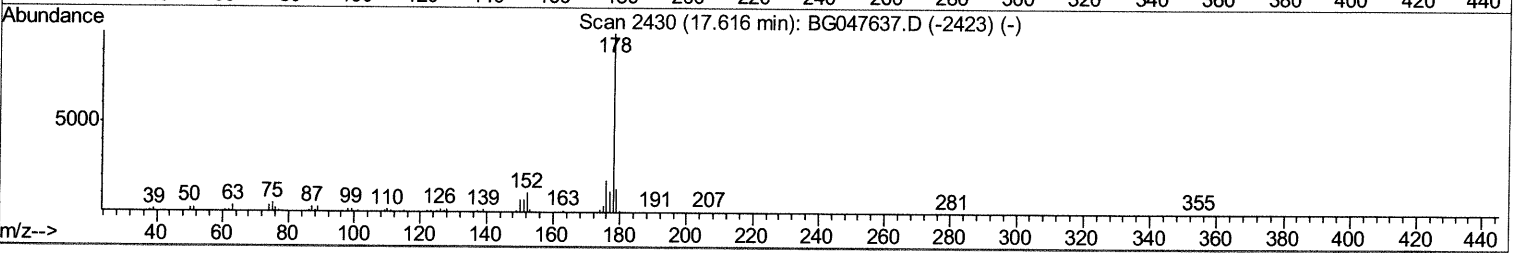
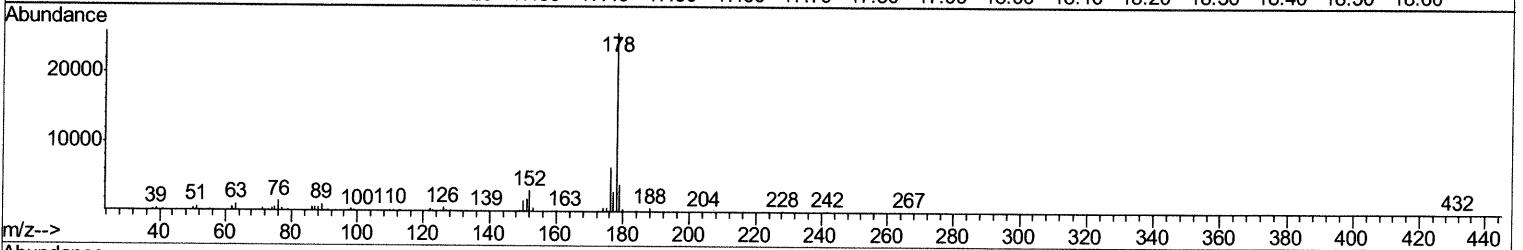
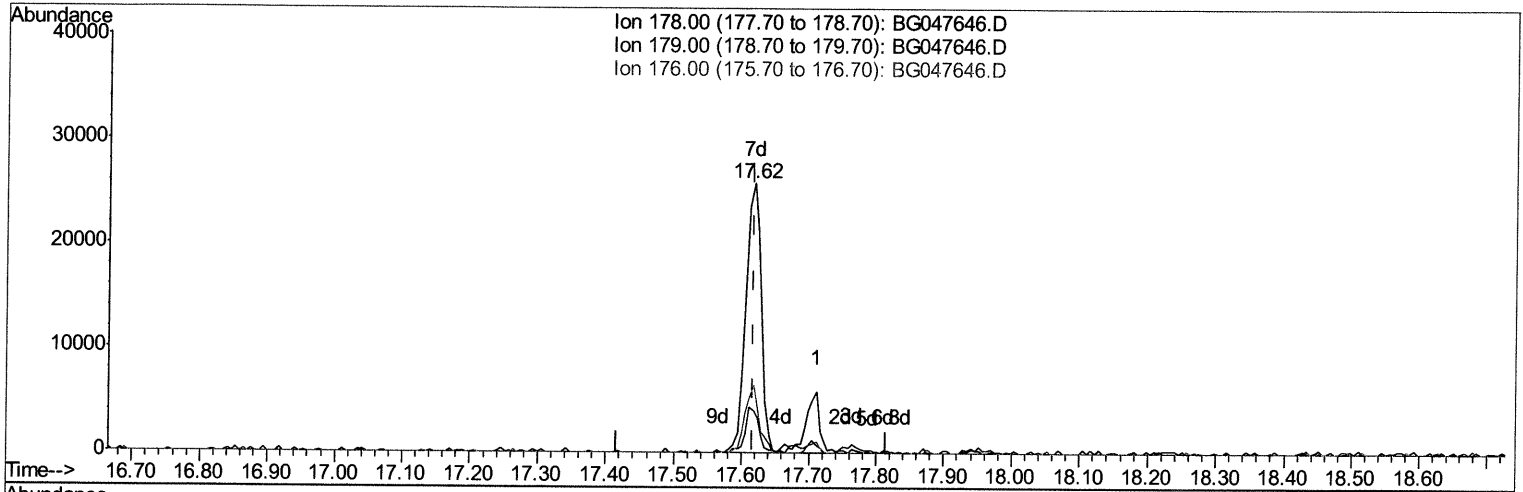
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
 Data File : BG047646.D
 Acq On : 8 Dec 2020 11:37
 Operator : CG/JU
 Sample : L4862-21
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0BH4

Manual Integrations
 APPROVED

mohammad
 12/9/2020 12:19:37 PM

Quant Time: Dec 08 14:58:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 07 18:31:37 2020
 Response via : Initial Calibration



TIC: BG047646.D

(70) Phenanthrene

17.617min (+0.001) 3.76ng/ul m 12/9/2020

response 41138

Ion	Exp%	Act%
178.00	100	100
179.00	14.50	15.39
176.00	19.80	24.89#
0.00	0.00	0.00

Quantitation Report (Qedit)

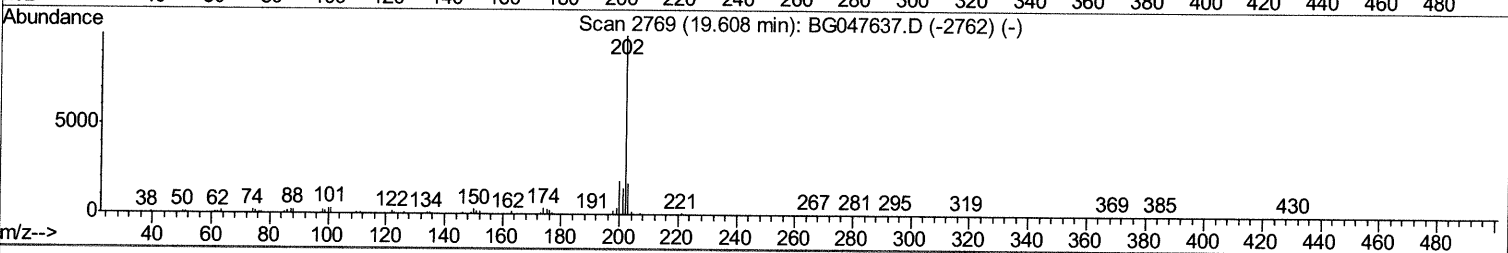
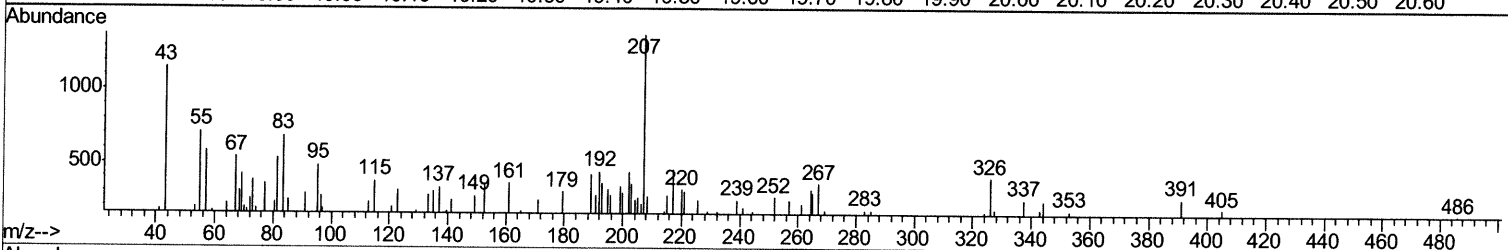
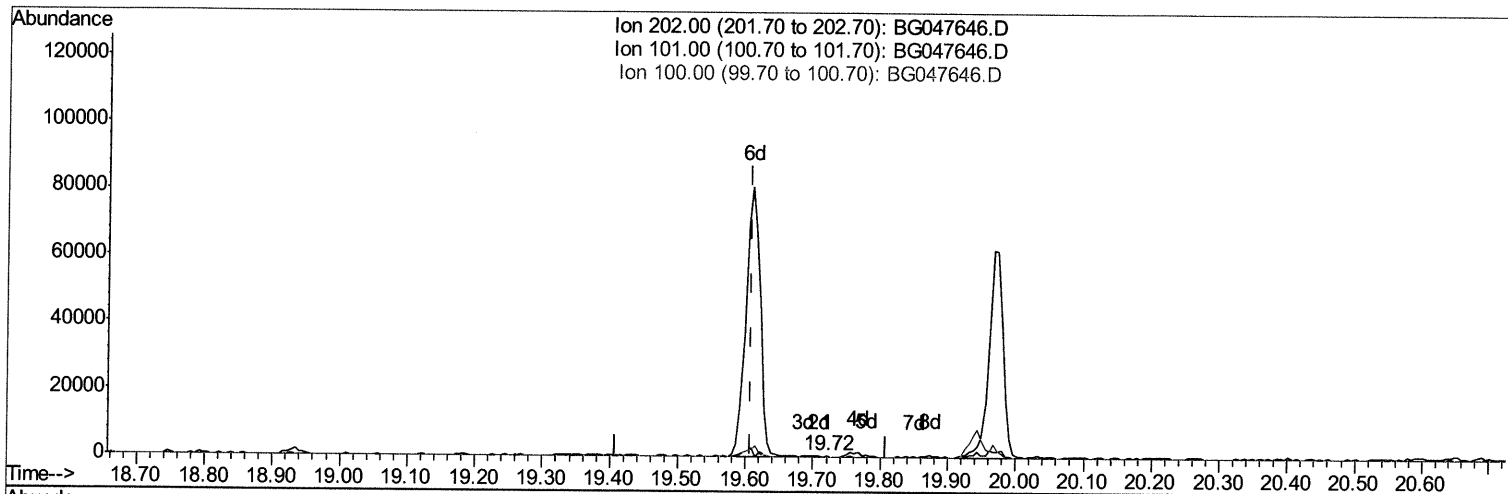
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
 Data File : BG047646.D
 Acq On : 8 Dec 2020 11:37
 Operator : CG/JU
 Sample : L4862-21
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
ClientSampleId :
 C0BH4

Manual Integrations
APPROVED

mohammad
 12/9/2020 12:19:37 PM

Quant Time: Dec 08 14:58:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 07 18:31:37 2020
 Response via : Initial Calibration



TIC: BG047646.D

(77) Fluoranthene (C)

19.720min (+0.112) 0.01ng/ul

response 155

Ion	Exp%	Act%
202.00	100	100
101.00	3.00	0.00#
100.00	3.20	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

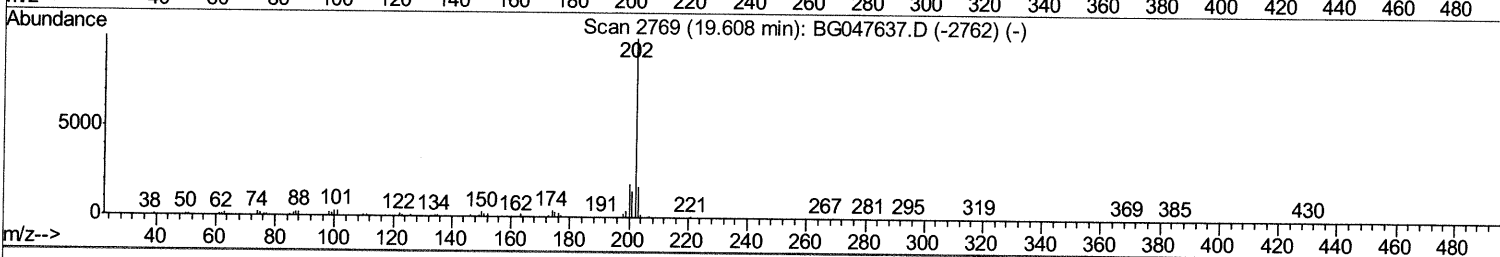
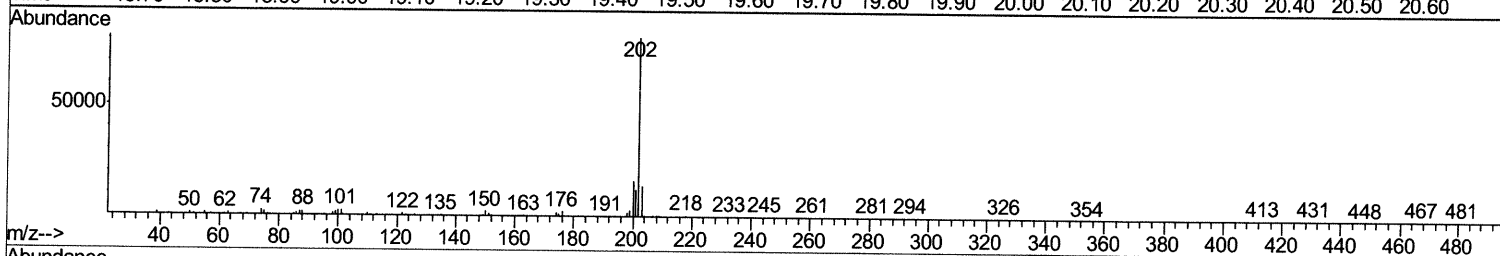
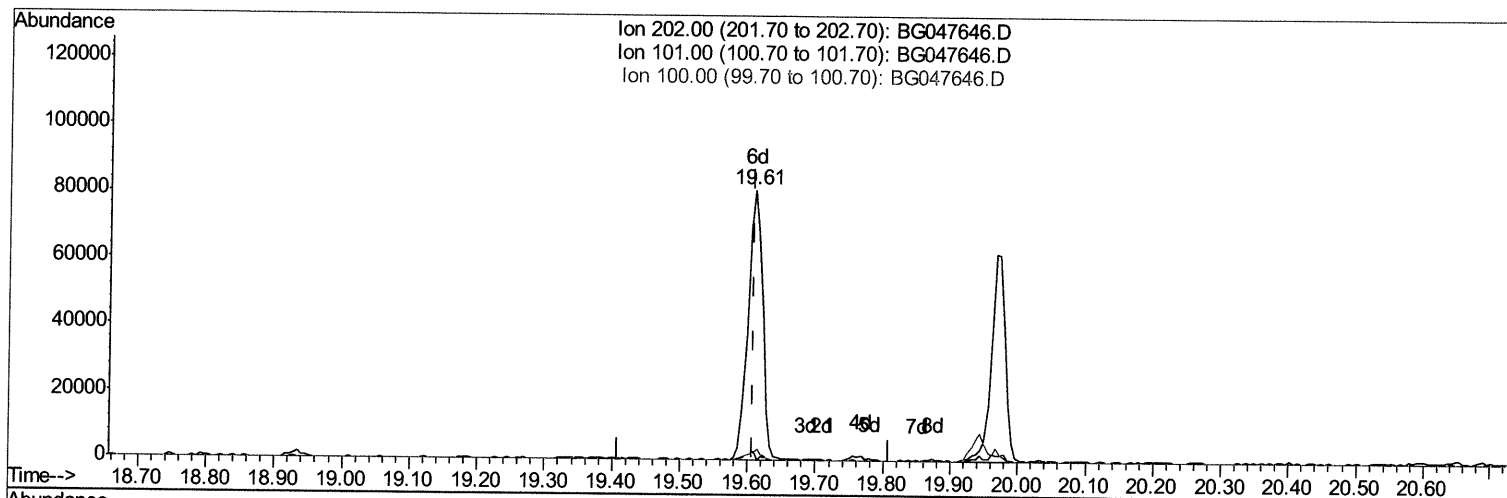
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
Data File : BG047646.D
Acq On : 8 Dec 2020 11:37
Operator : CG/JU
Sample : L4862-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
C0BH4

Manual Integrations
APPROVED

mohammad
12/9/2020 12:19:37 PM

Quant Time: Dec 08 14:58:06 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 07 18:31:37 2020
Response via : Initial Calibration



TIC: BG047646.D

(77) Fluoranthene (C)

19.609min (+0.001) 8.60ng/ul m 12/09/2020

response 119804

Ion	Exp%	Act%
202.00	100	100
101.00	3.00	3.23
100.00	3.20	2.64
0.00	0.00	0.00

Quantitation Report (Qedit)

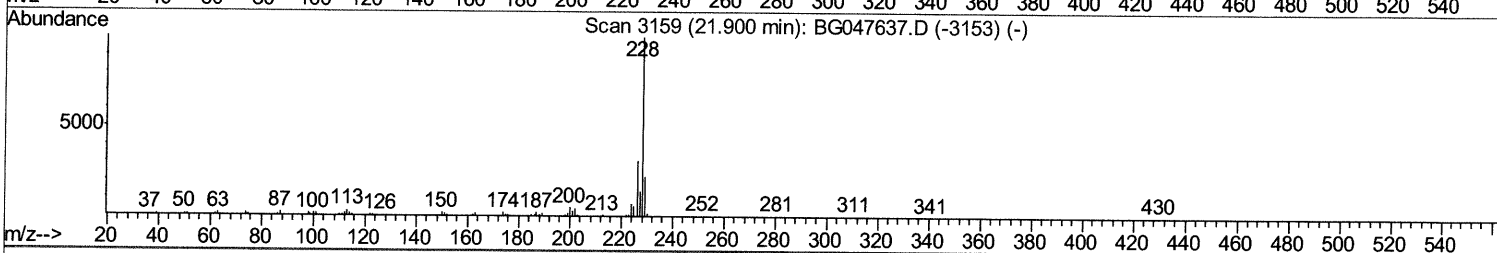
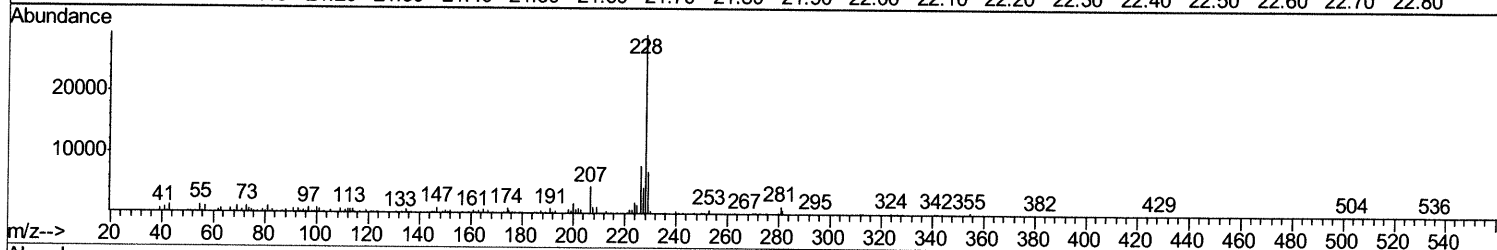
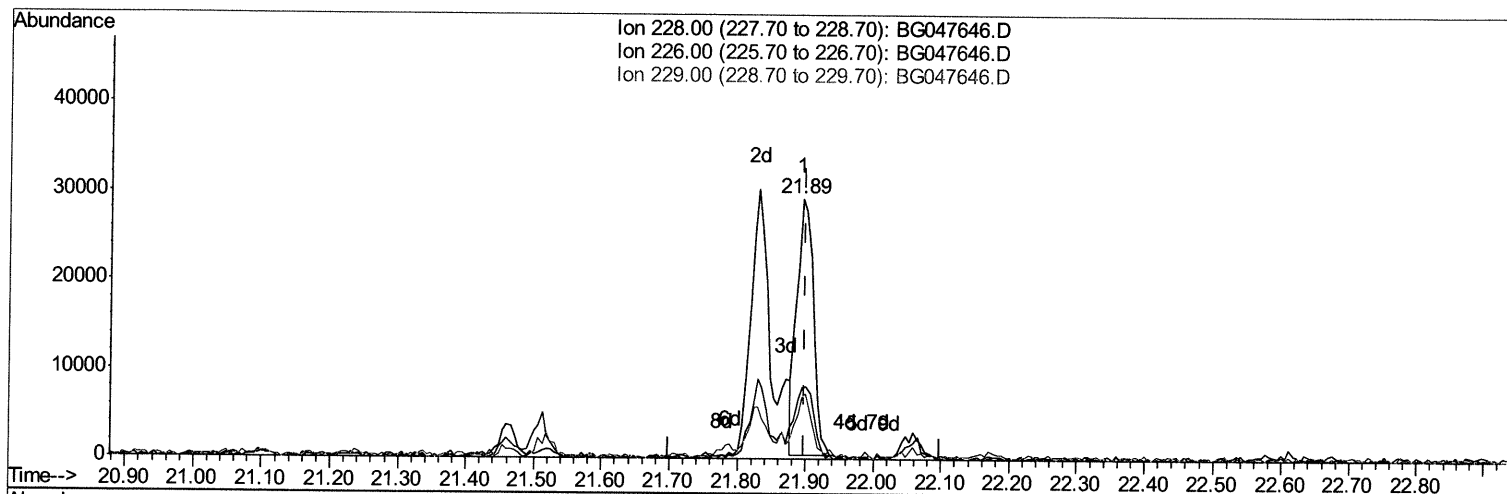
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
 Data File : BG047646.D
 Acq On : 8 Dec 2020 11:37
 Operator : CG/JU
 Sample : L4862-21
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0BH4

Manual Integrations
 APPROVED

mohammad
 12/9/2020 12:19:37 PM

Quant Time: Dec 08 14:58:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 07 18:31:37 2020
 Response via : Initial Calibration



TIC: BG047646.D

(85) Chrysene

21.894min (-0.005) 4.01ng/ul

response 47947

Ion	Exp%	Act%
228.00	100	100
226.00	28.70	27.10
229.00	19.80	23.54
0.00	0.00	0.00

Quantitation Report (Qedit)

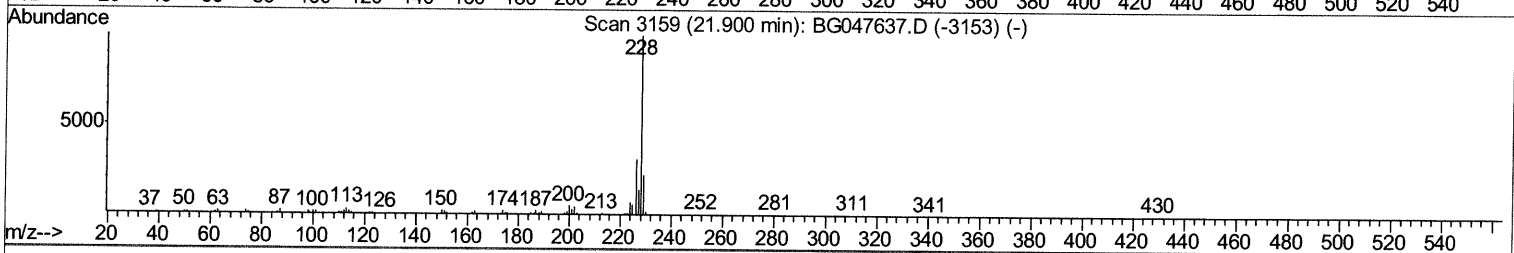
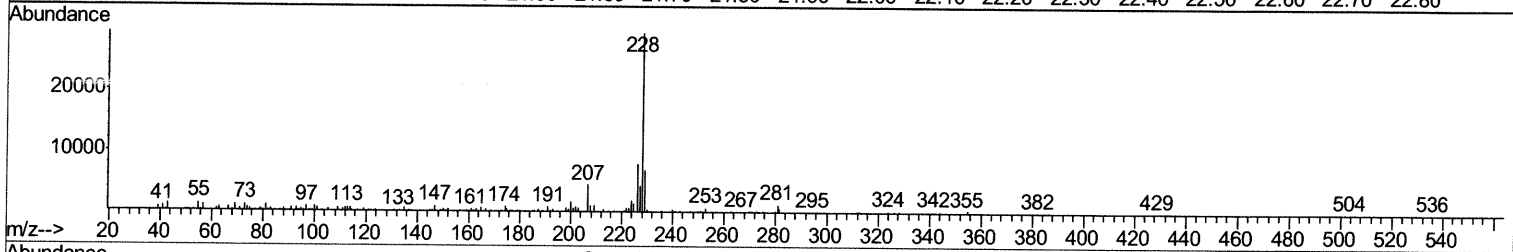
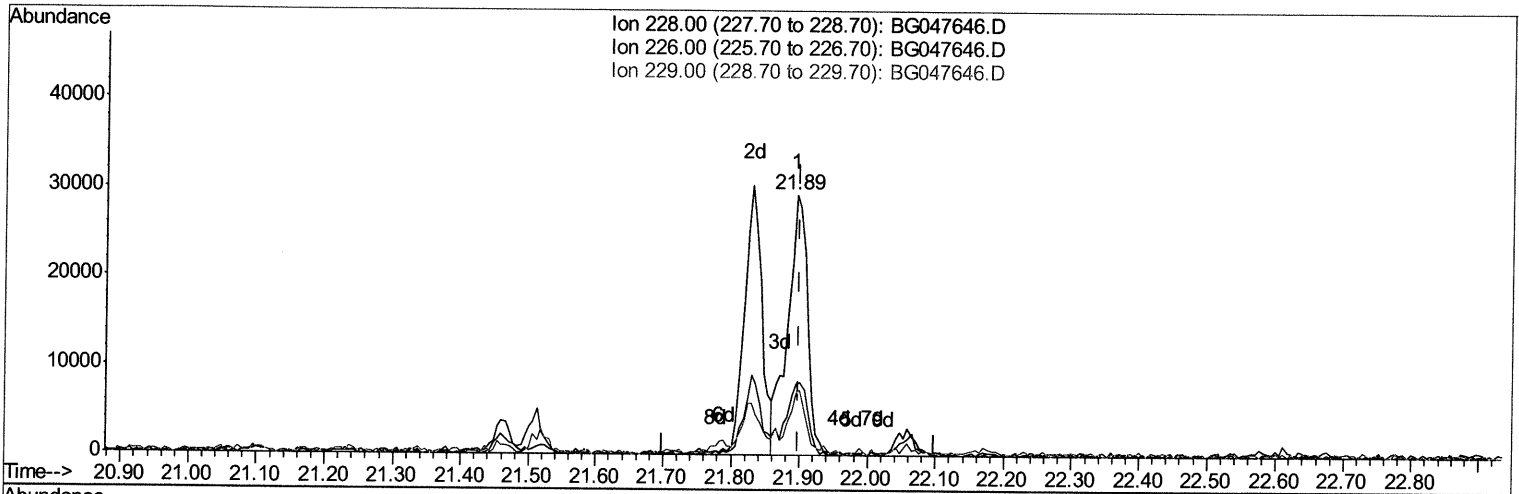
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
 Data File : BG047646.D
 Acq On : 8 Dec 2020 11:37
 Operator : CG/JU
 Sample : L4862-21
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
ClientSampleId :
 C0BH4

Manual Integrations
APPROVED

mohammad
 12/9/2020 12:19:37 PM

Quant Time: Dec 08 14:58:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 07 18:31:37 2020
 Response via : Initial Calibration



TIC: BG047646.D

(85) Chrysene

21.894min (-0.005) 4.89ng/ul m 12/04/2020

response 58491

Ion	Exp%	Act%
228.00	100	100
226.00	28.70	27.10
229.00	19.80	23.54
0.00	0.00	0.00

Quantitation Report (Qedit)

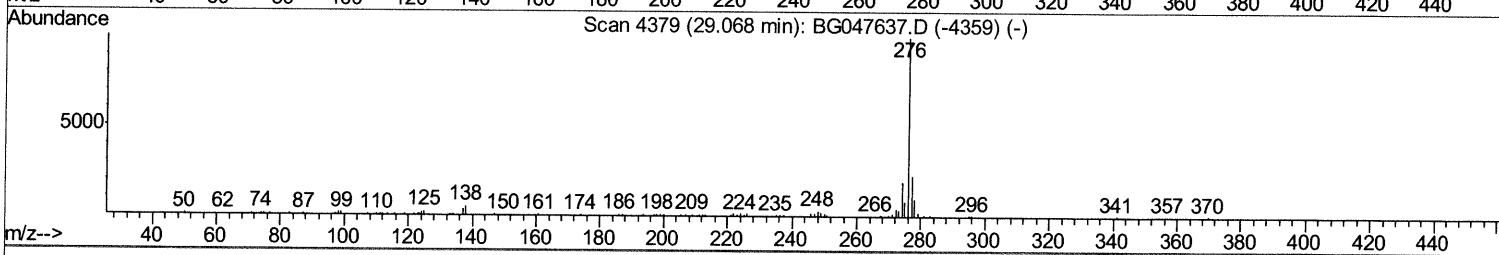
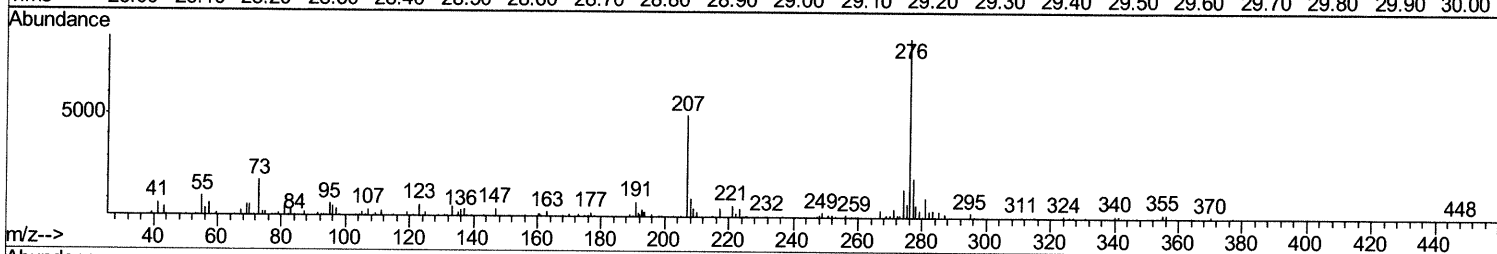
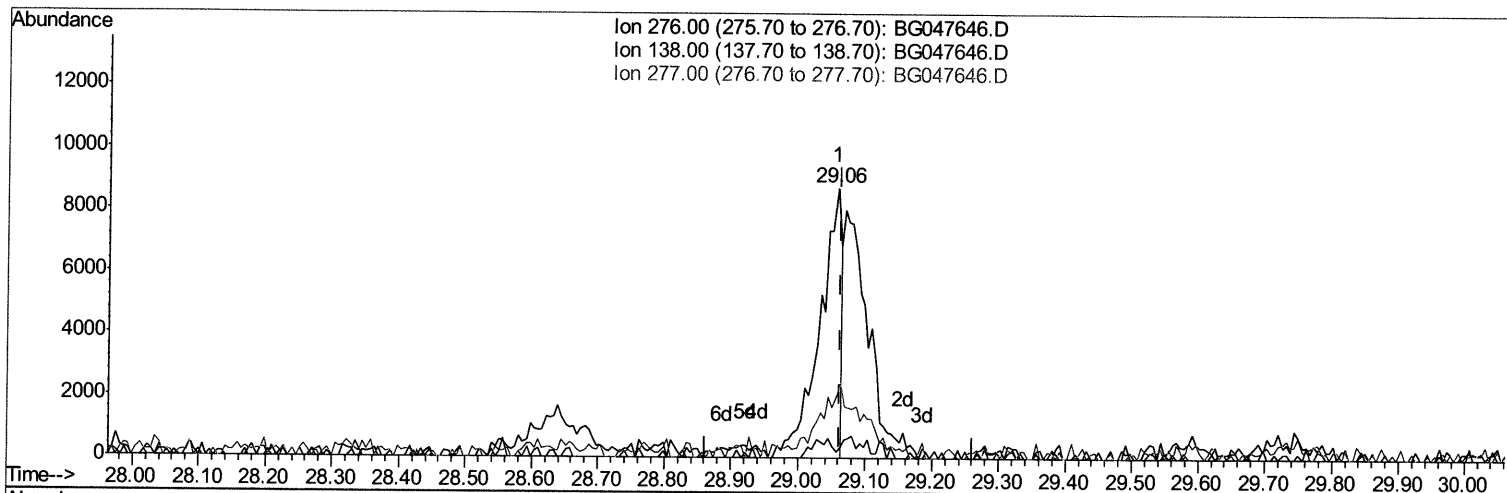
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
 Data File : BG047646.D
 Acq On : 8 Dec 2020 11:37
 Operator : CG/JU
 Sample : L4862-21
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0BH4

Manual Integrations
 APPROVED

mohammad
 12/9/2020 12:19:37 PM

Quant Time: Dec 08 14:58:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 07 18:31:37 2020
 Response via : Initial Calibration



TIC: BG047646.D

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

29.057min (-0.005) 1.36ng/ul

response 19588

Ion	Exp%	Act%
276.00	100	100
138.00	4.10	2.15#
277.00	23.20	23.03
0.00	0.00	0.00

Quantitation Report (Qedit)

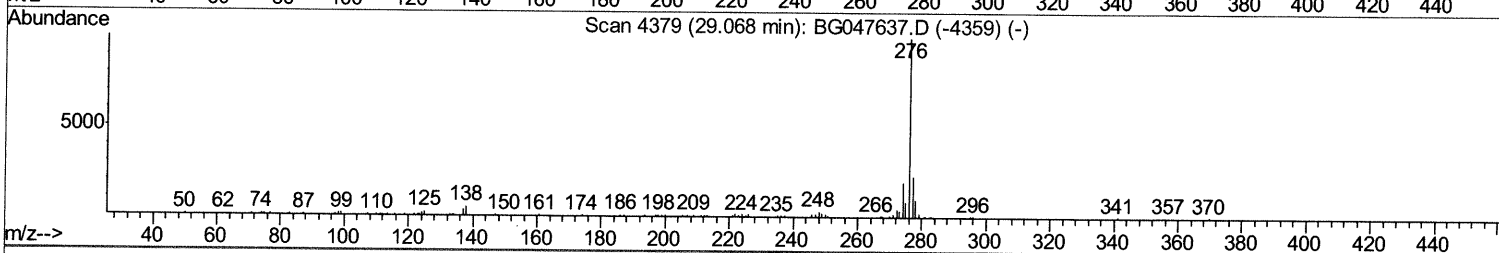
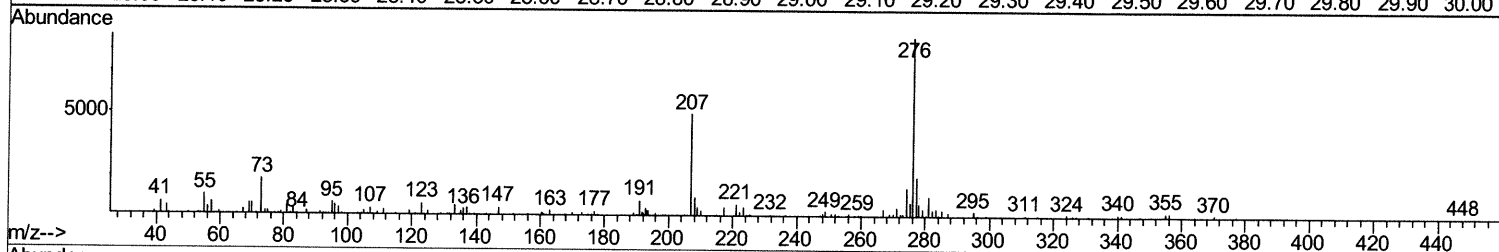
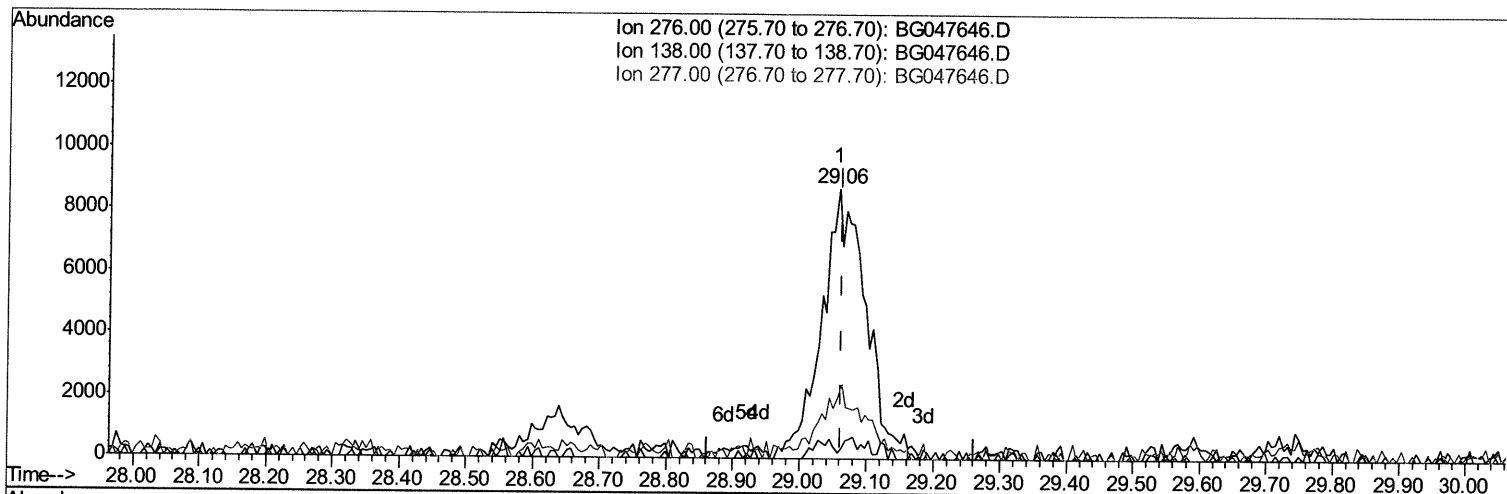
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
Data File : BG047646.D
Acq On : 8 Dec 2020 11:37
Operator : CG/JU
Sample : L4862-21
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0BH4

Manual Integrations
APPROVED

mohammad
12/9/2020 12:19:37 PM

Quant Time: Dec 08 14:58:06 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 07 18:31:37 2020
Response via : Initial Calibration



TIC: BG047646.D

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

29.057min (-0.005) 2.75ng/ul m (2100/2054

response 39686

Ion	Exp%	Act%
276.00	100	100
138.00	4.10	2.15#
277.00	23.20	23.03
0.00	0.00	0.00

Quantitation Report (Qedit)

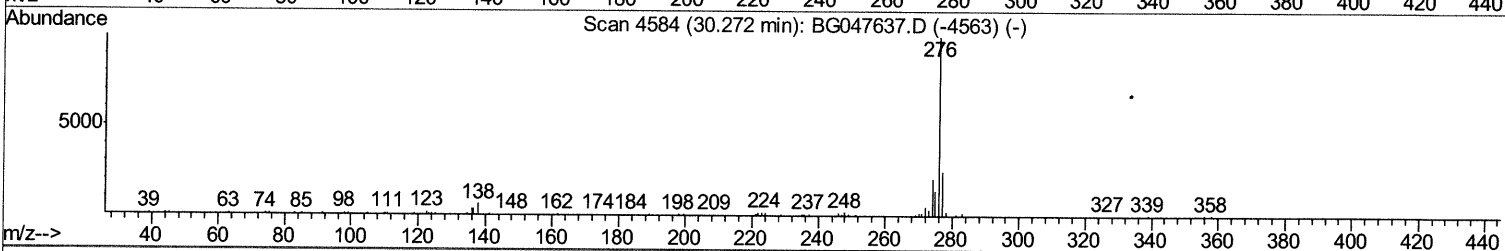
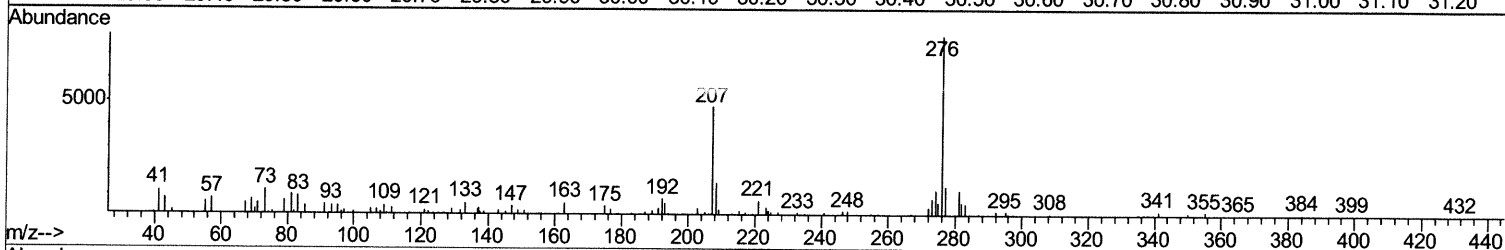
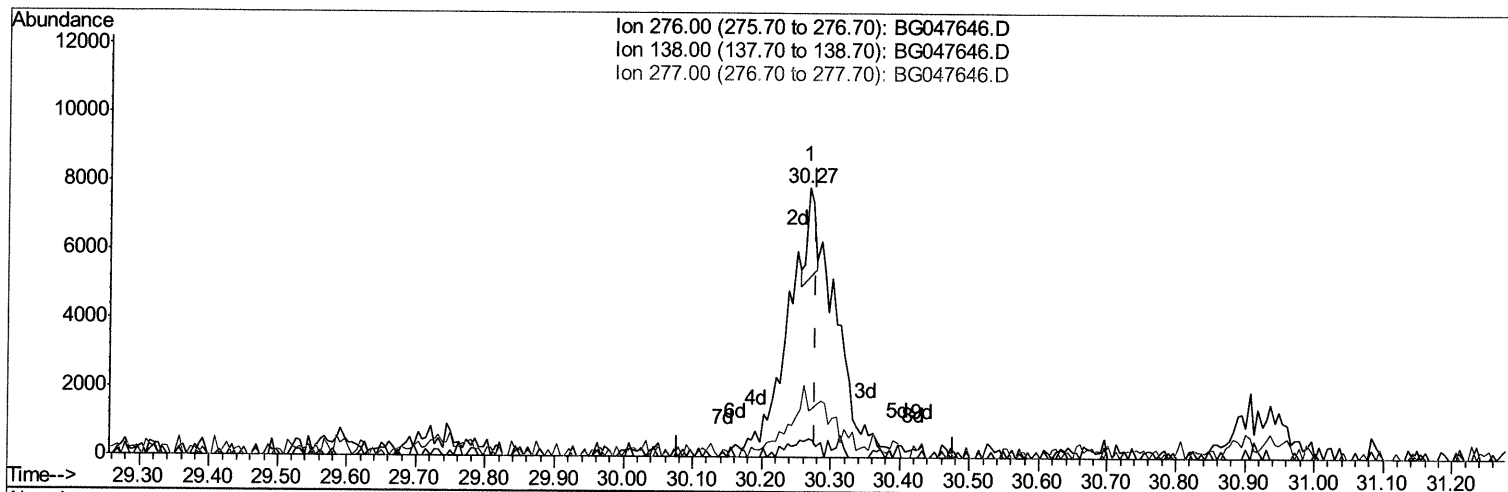
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
 Data File : BG047646.D
 Acq On : 8 Dec 2020 11:37
 Operator : CG/JU
 Sample : L4862-21
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0BH4

Manual Integrations
 APPROVED

mohammad
 12/9/2020 12:19:37 PM

Quant Time: Dec 08 14:58:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 07 18:31:37 2020
 Response via : Initial Calibration



TIC: BG047646.D

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

30.267min (-0.011) 0.17ng/ul

response 2029

Ion	Exp%	Act%
276.00	100	100
138.00	5.90	6.70
277.00	27.40	17.44#
0.00	0.00	0.00

Quantitation Report (Qedit)

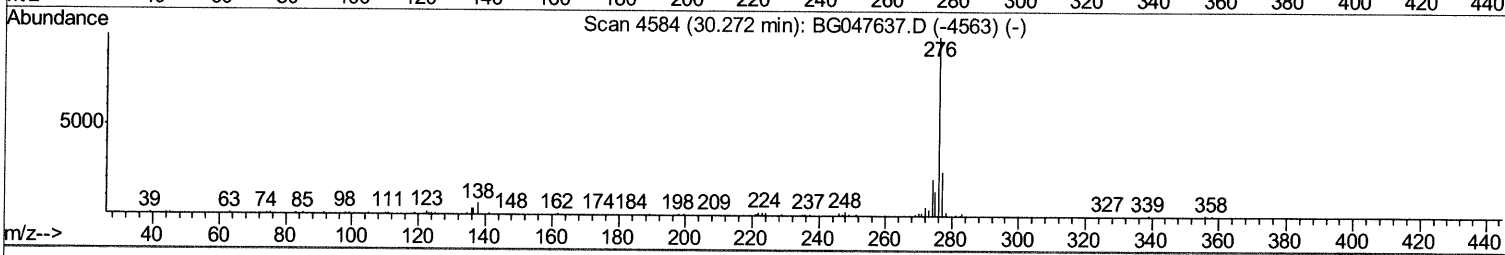
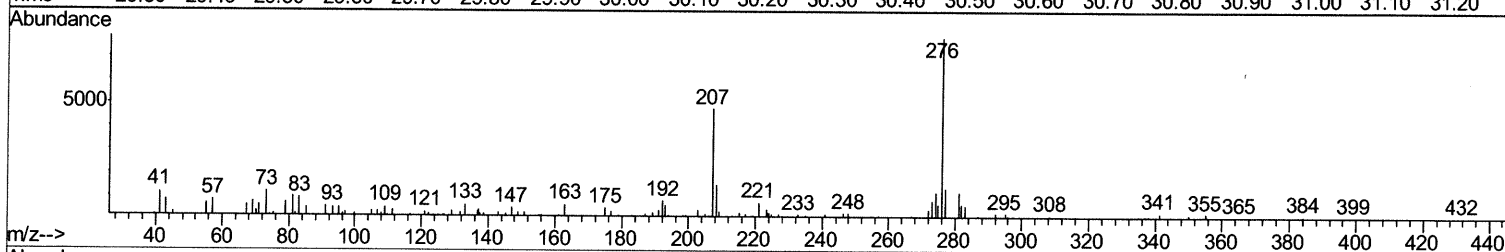
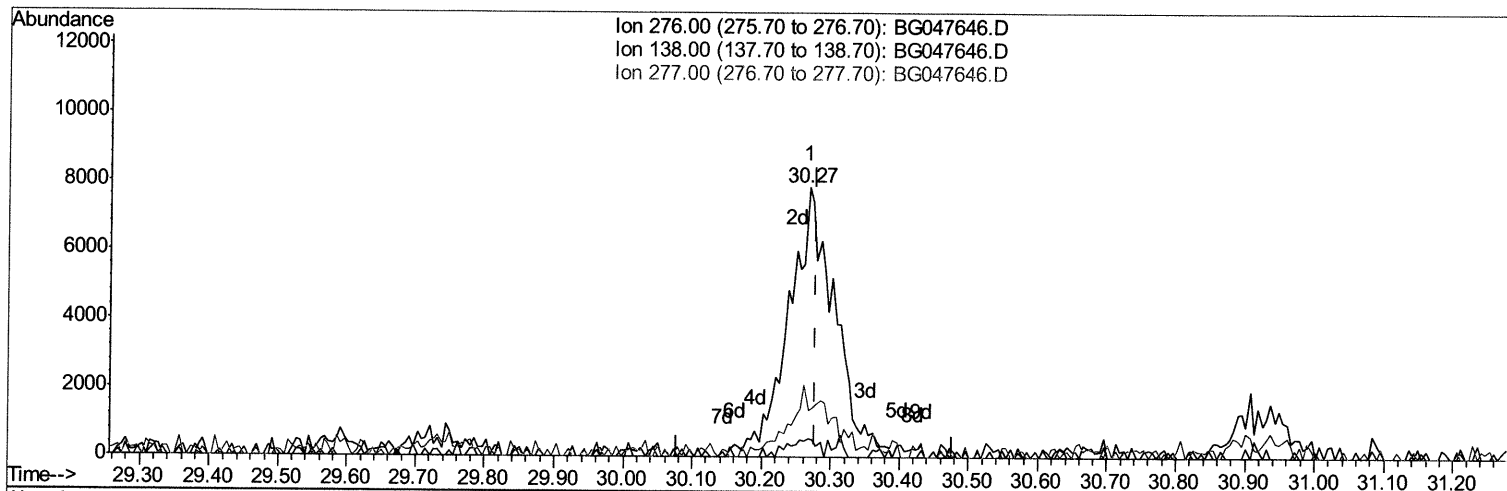
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
 Data File : BG047646.D
 Acq On : 8 Dec 2020 11:37
 Operator : CG/JU
 Sample : L4862-21
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
ClientSampleId :
 C0BH4

Manual Integrations
APPROVED

mohammad
 12/9/2020 12:19:37 PM

Quant Time: Dec 08 14:58:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 07 18:31:37 2020
 Response via : Initial Calibration



TIC: BG047646.D

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

30.267min (-0.011) 3.06ng/ul m 12/04/2020 JU

response 36289

Ion	Exp%	Act%
276.00	100	100
138.00	5.90	3.52#
277.00	27.40	17.44#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120720\
 Data File : BG047646.D
 Acq On : 8 Dec 2020 11:37
 Operator : CG/JU
 Sample : L4862-21
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0BH4

Manual Integrations
 APPROVED

mohammad
 12/9/2020 12:19:37 PM

Quant Time: Dec 08 15:01:07 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 07 18:31:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	28139	20.00	ng/ul	0.00
18) Naphthalene-d8	11.04	136	109773	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.84	164	84361	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.58	188	201967m>	20.00	ng/ul>	0.00 12/09/2024
78) Chrysene-d12	21.85	240	177390	20.00	ng/ul	0.00
86) Perylene-d12	25.21	264	188025	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.53	96	3295m>	6.24	ng/uL>	0.00 12/09/2024
5) Phenol-d5	7.35	99	98976	41.10	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.53	67	51000	41.19	ng/ul	0.00
9) 2-Chlorophenol-d4	7.74	132	72598	39.75	ng/ul	0.00
13) 4-Methylphenol-d8	8.92	113	77605	40.60	ng/ul	0.00
19) Nitrobenzene-d5	9.39	128	39015	43.59	ng/ul	0.00
22) 2-Nitrophenol-d4	10.11	143	48958	45.38	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.65	165	98444	42.02	ng/ul	0.00
29) 4-Chloroaniline-d4	11.17	131	102421	47.61	ng/ul	0.00
44) Dimethylphthalate-d6	14.23	166	310264	42.34	ng/ul	0.00
47) Acenaphthylene-d8	14.53	160	380666	45.49	ng/ul	0.00
52) 4-Nitrophenol-d4	15.01	143	45732	42.08	ng/ul	0.00
58) Fluorene-d10	15.82	176	297229	44.06	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.92	200	50935m>	37.26	ng/ul>	0.00 12/09/2024
71) Anthracene-d10	17.68	188	459624	45.63	ng/ul	0.00
79) Pyrene-d10	19.94	212	474018	45.21	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.99	264	481335	43.83	ng/ul	0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Phenol	7.38	94	7030	3.090	ng/ul#	77
45) Dimethylphthalate	14.27	163	57354	7.727	ng/ul	100
70) Phenanthrene	17.62	178	41138m	3.758	ng/ul	12/09/2024
77) Fluoranthene	19.61	202	119804m	8.601	ng/ul	
80) Pyrene	19.97	202	91274	7.075	ng/ul#	95
83) Benzo(a)anthracene	21.83	228	54451	4.296	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.71	149	8342	1.385	ng/ul	95
85) Chrysene	21.89	228	58491m>	4.890	ng/ul>	12/09/2024
88) Benzo(b)fluoranthene	24.14	252	84639	6.448	ng/ul	94
89) Benzo(k)fluoranthene	24.20	252	25961	1.996	ng/ul#	96
91) Benzo(a)pyrene	25.06	252	47019	3.972	ng/ul#	97
92) Indeno(1,2,3-cd)pyrene	29.06	276	39686m	2.749	ng/ul	12/09/2024
94) Benzo(a,h,i)perylene	30.27	276	36289m	3.062	ng/ul	

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