

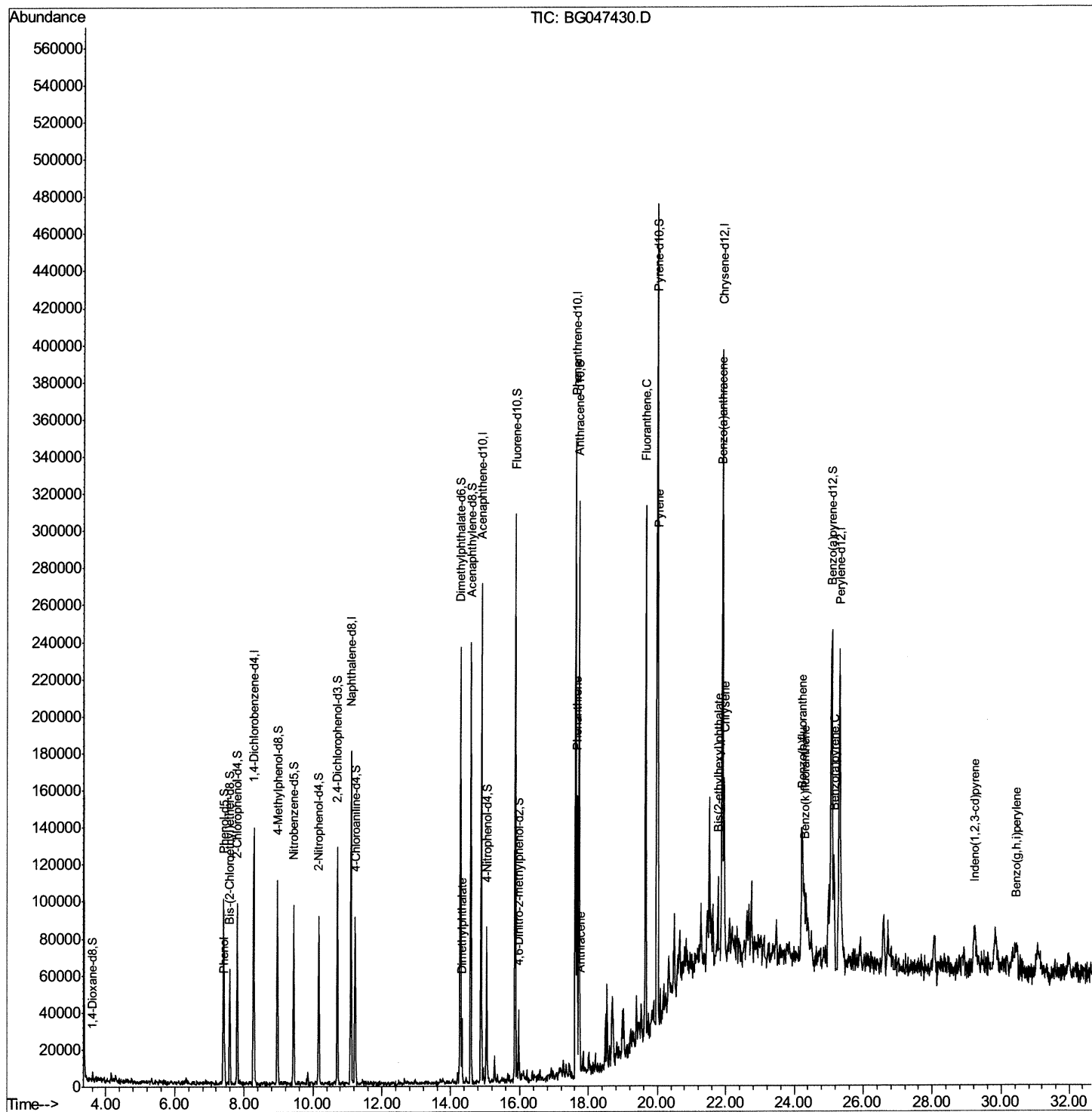
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047430.D
Acq On : 24 Nov 2020 3:07
Operator : CG/JU
Sample : L4749-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
C0B22

Manual Integrations
APPROVED

mohammad
11/25/2020 12:47:33 PM

Quant Time: Nov 24 04:05:09 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 23 13:14:53 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

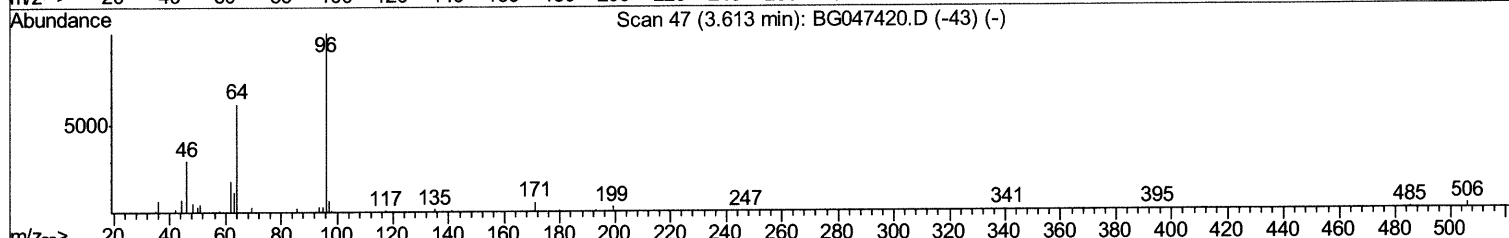
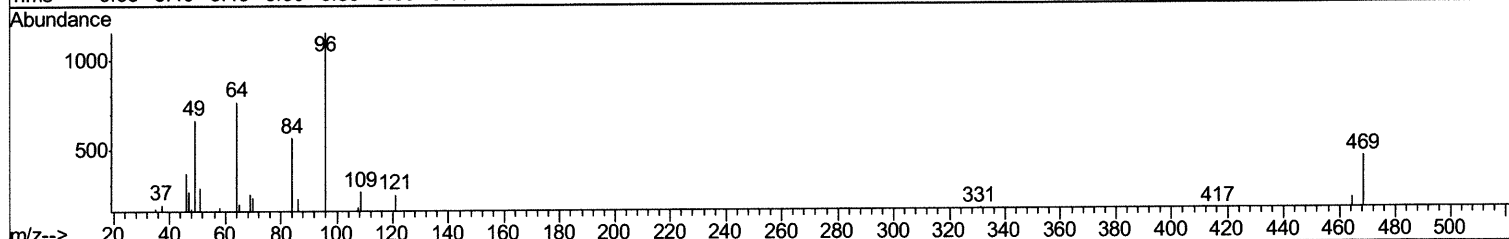
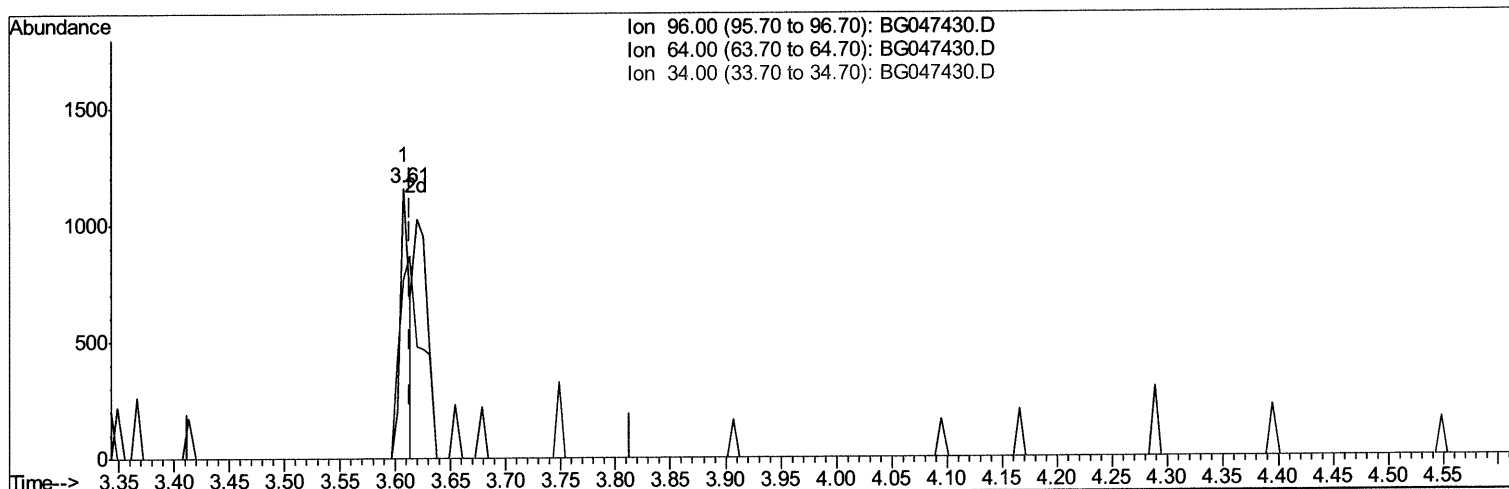
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047430.D
 Acq On : 24 Nov 2020 3:07
 Operator : CG/JU
 Sample : L4749-20
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 C0B22

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:47:33 PM

Quant Time: Nov 24 03:54:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 23 13:14:53 2020
 Response via : Initial Calibration



TIC: BG047430.D

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

3.608min (-0.006) 0.75ng/uL

response 721

Ion	Exp%	Act%
96.00	100	100
64.00	88.60	66.21#
34.00	0.00	0.00
0.00	0.00	0.00

```
Data Path   : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\  
Data File   : BG047430.D  
Acq On      : 24 Nov 2020    3:07  
Operator    : CG/JU  
Sample      : L4749-20  
Misc        :  
ALS Vial    : 18    Sample Multiplier: 1
```

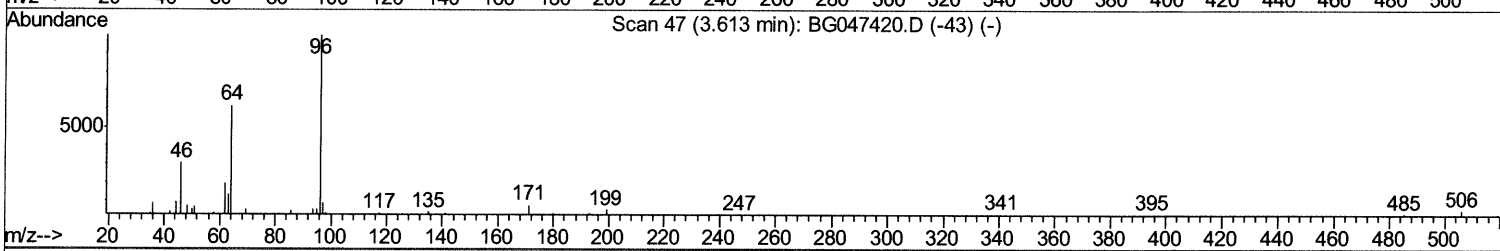
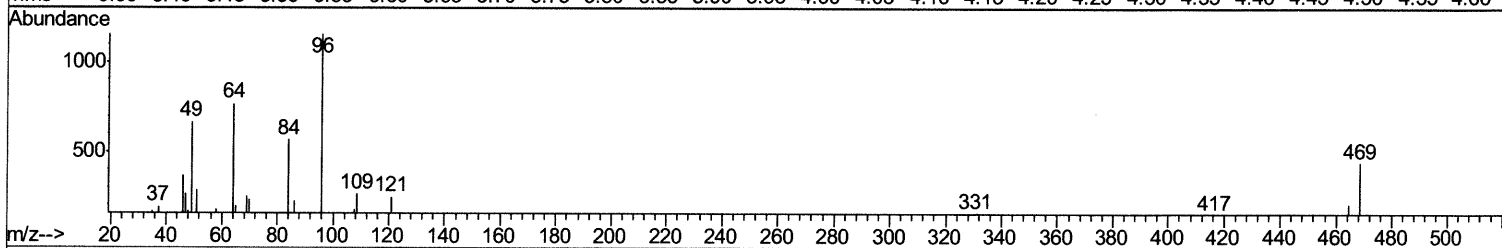
mohammad
11/25/2020 12:47:33 PM

Abundance

Ion 96.00 (95.70 to 96.70): BG047430.D
Ion 64.00 (63.70 to 64.70): BG047430.D
Ion 34.00 (33.70 to 34.70): BG047430.D

1
3.61
2

Time--> 3.35 3.40 3.45 3.50 3.55 3.60 3.65 3.70 3.75 3.80 3.85 3.90 3.95 4.00 4.05 4.10 4.15 4.20 4.25 4.30 4.35 4.40 4.45 4.50 4.55 4.60



TIC: BG047430.D

response 1588

Ion	Exp%	Act%
96.00	100	100
64.00	88.60	66.21#
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

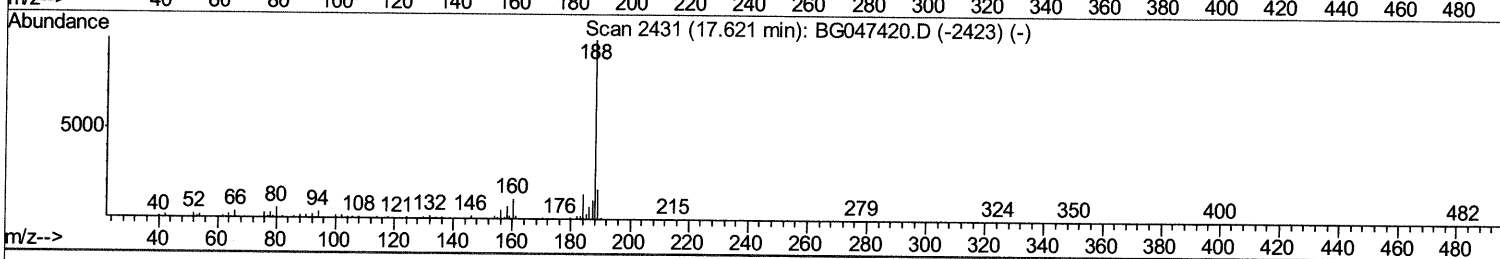
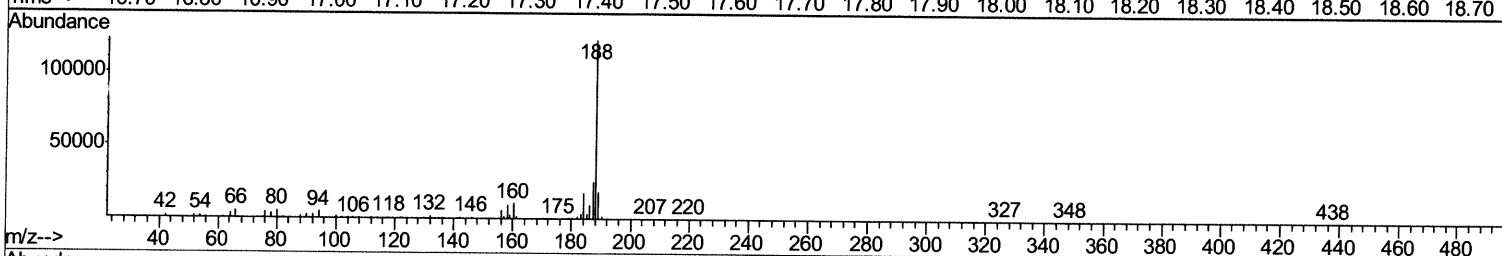
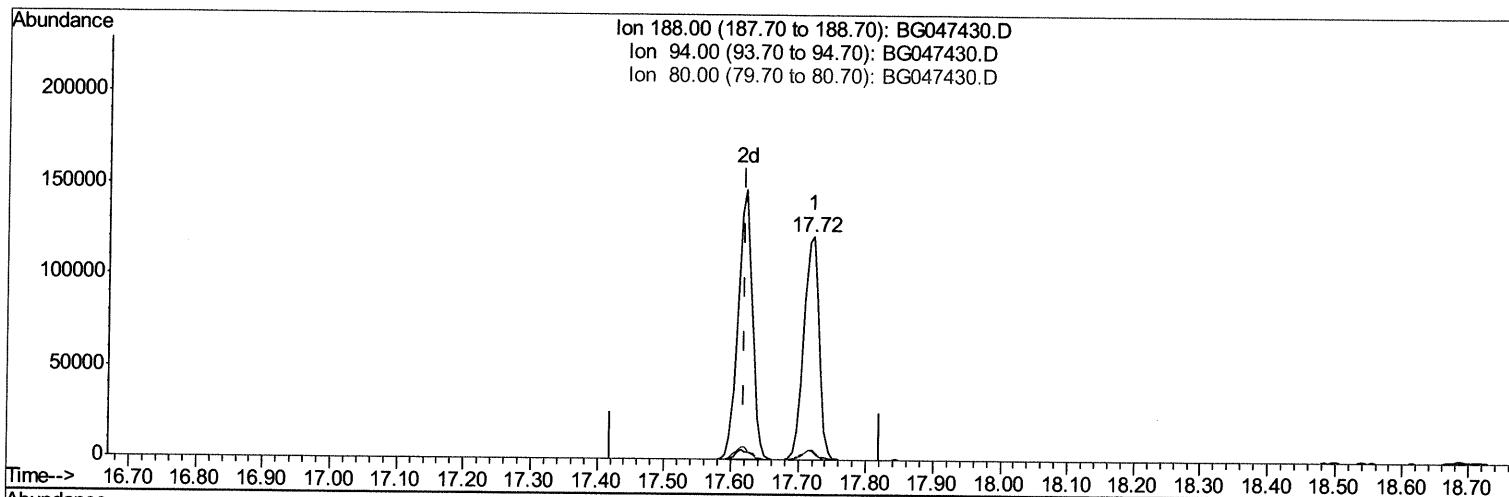
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047430.D
 Acq On : 24 Nov 2020 3:07
 Operator : CG/JU
 Sample : L4749-20
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B22

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:47:33 PM

Quant Time: Nov 24 03:56:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 23 13:14:53 2020
 Response via : Initial Calibration



TIC: BG047430.D

(62) Phenanthrene-d10 (I)

17.720min (+0.100) 20.00ng/ul

response 192271

Ion	Exp%	Act%
188.00	100	100
94.00	4.60	3.92
80.00	5.30	4.40
0.00	0.00	0.00

Quantitation Report (Qedit)

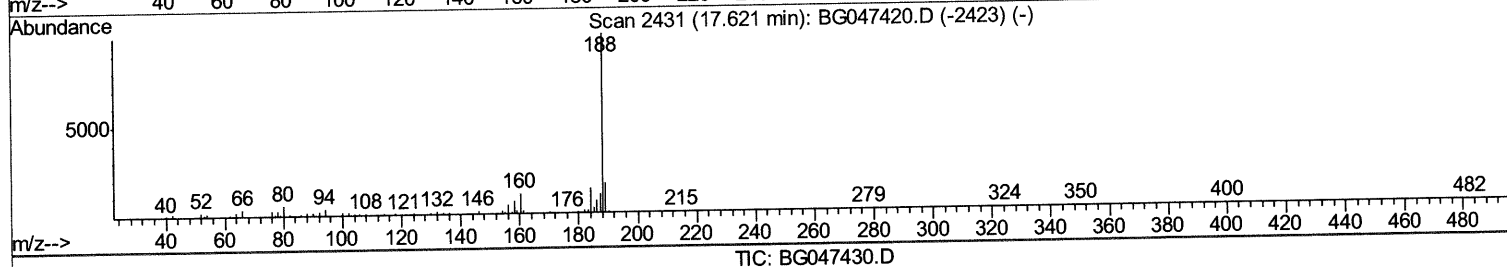
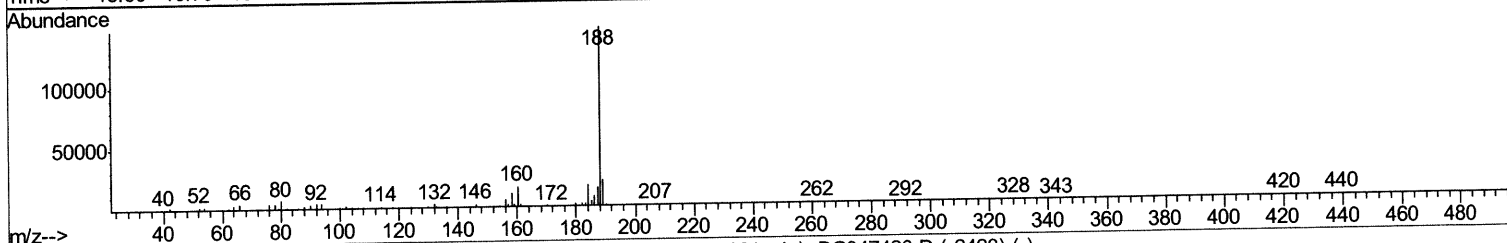
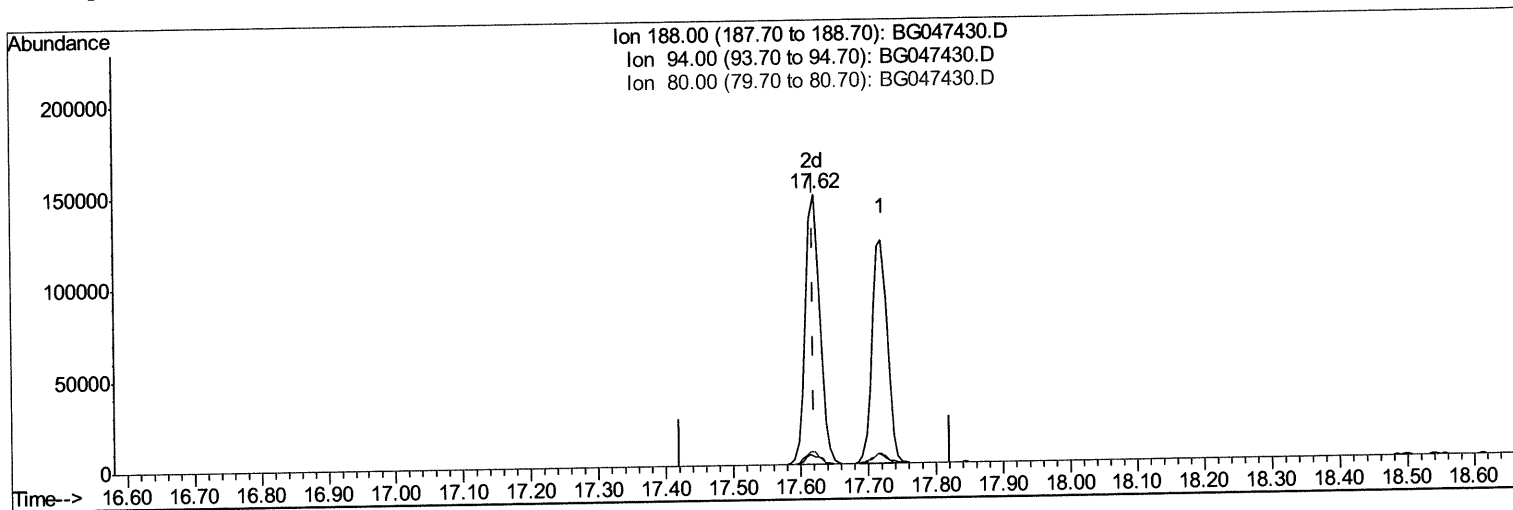
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047430.D
Acq On : 24 Nov 2020 3:07
Operator : CG/JU
Sample : L4749-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
C0B22

Manual Integrations
APPROVED

mohammad
11/25/2020 12:47:33 PM

Quant Time: Nov 24 03:56:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 23 13:14:53 2020
Response via : Initial Calibration



(62) Phenanthrene-d10 (I)

17.621min (+0.000) 20.00ng/ul m 11/25/20 JU

response 219935

Ion	Exp%	Act%
188.00	100	100
94.00	4.60	2.54#
80.00	5.30	4.68
0.00	0.00	0.00

Quantitation Report (Qedit)

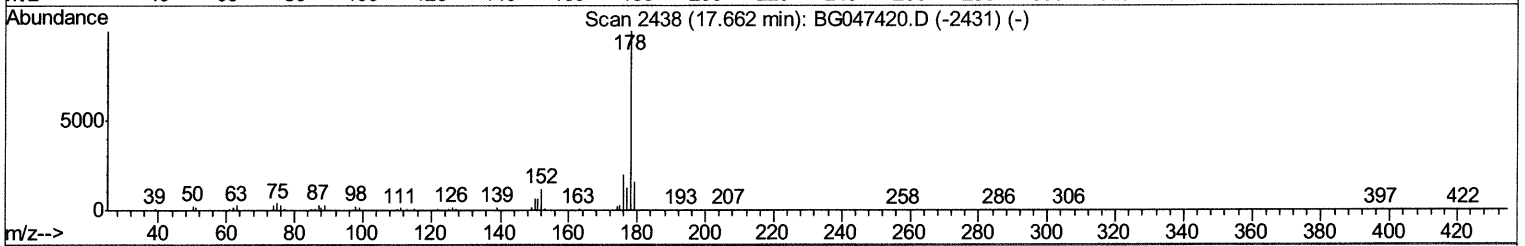
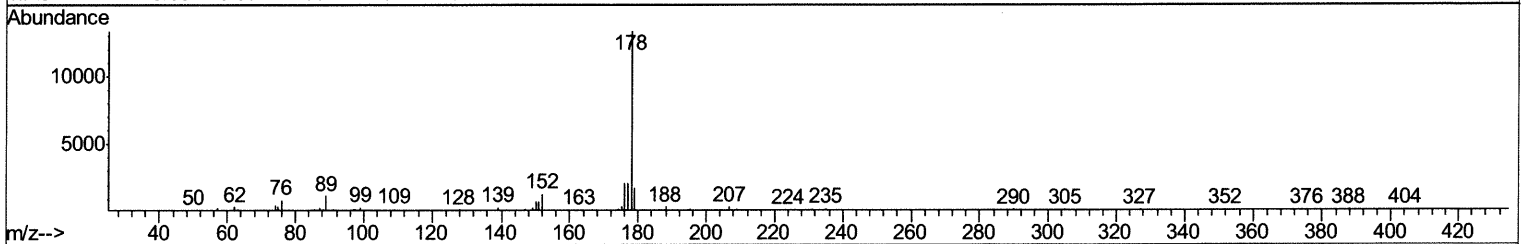
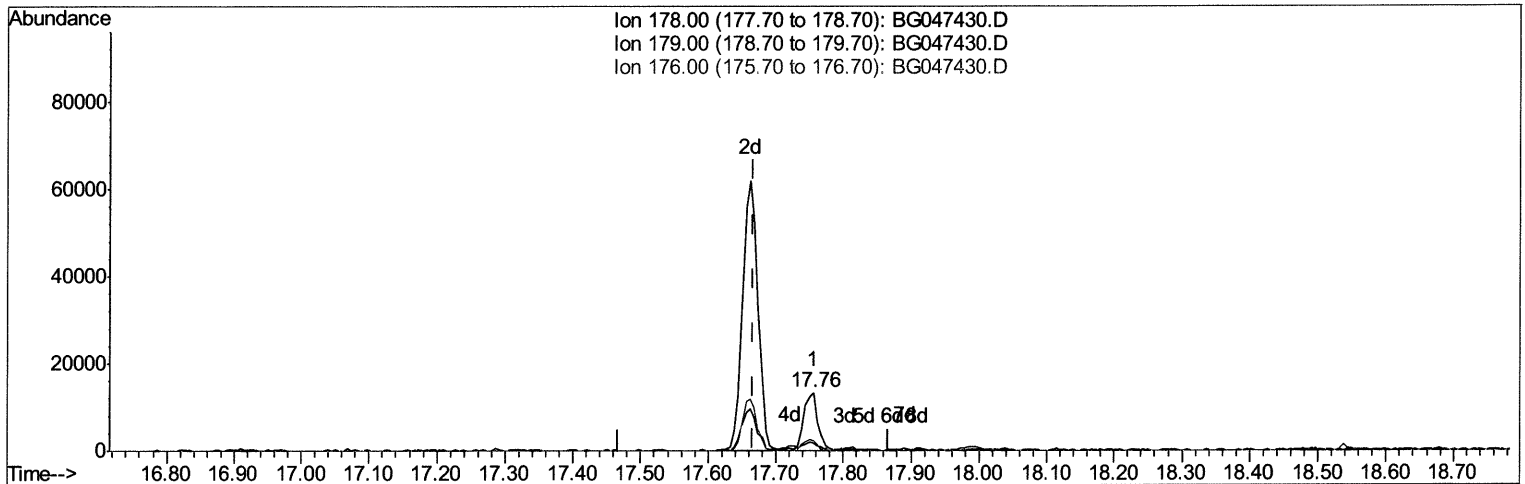
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047430.D
Acq On : 24 Nov 2020 3:07
Operator : CG/JU
Sample : L4749-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0B22

Manual Integrations
APPROVED

mohammad
11/25/2020 12:47:33 PM

Quant Time: Nov 24 03:59:55 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 23 13:14:53 2020
Response via : Initial Calibration



TIC: BG047430.D

(70) Phenanthrene

17.756min (+0.088) 1.61ng/ul

response 19075

Ion	Exp%	Act%
178.00	100	100
179.00	14.70	13.57
176.00	17.40	16.05
0.00	0.00	0.00

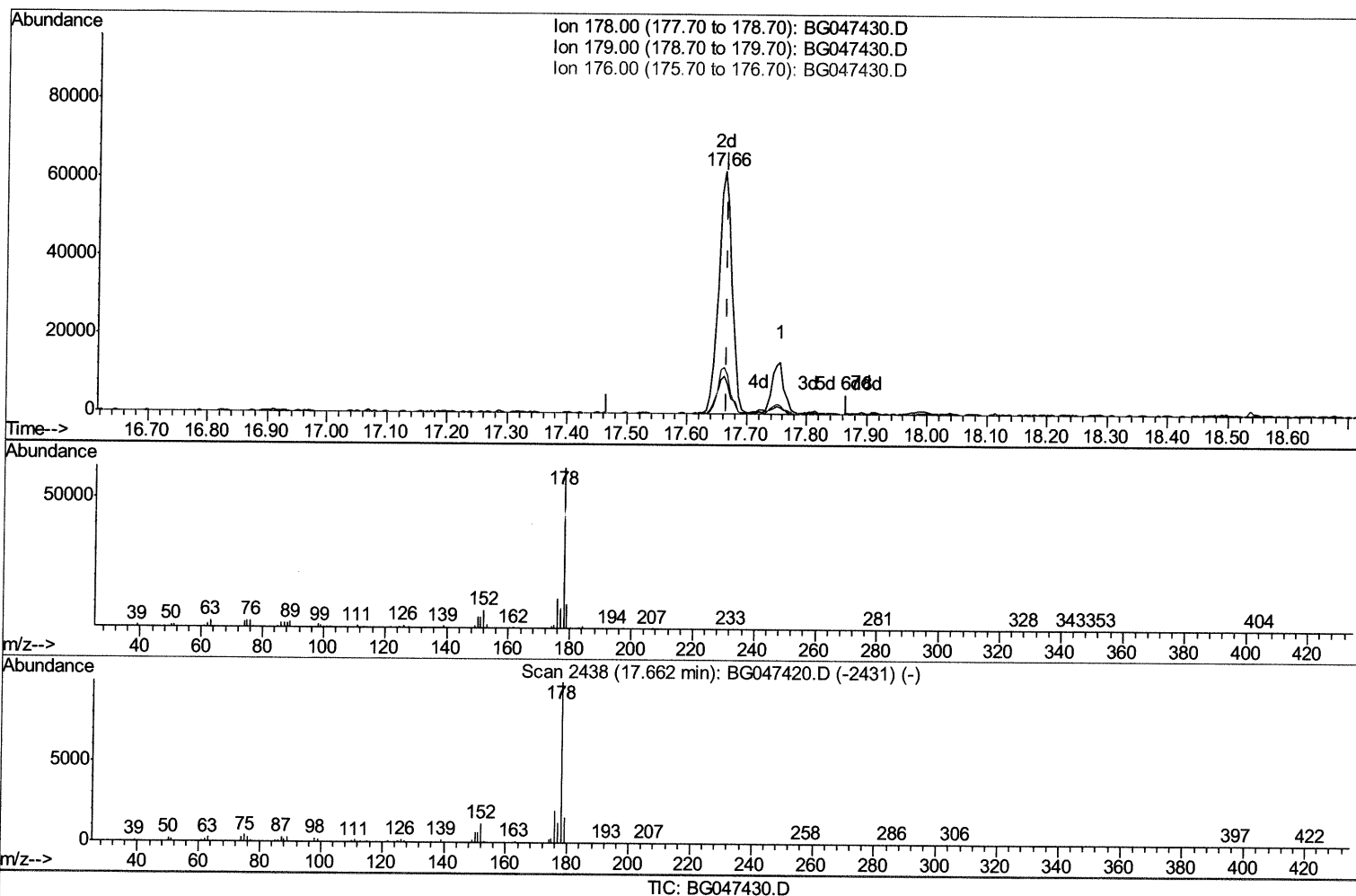
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047430.D
Acq On : 24 Nov 2020 3:07
Operator : CG/JU
Sample : L4749-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0B22

Manual Integrations
APPROVED

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11/25/2020 12:47:33 PM

Quant Time: Nov 24 03:59:55 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 23 13:14:53 2020
Response via : Initial Calibration



(70) Phenanthrene

17.662min (-0.006) 8.19ng/ul m

response 97303

Ion	Exp%	Act%
178.00	100	100
179.00	14.70	15.62
176.00	17.40	19.03
0.00	0.00	0.00

Quantitation Report (Qedit)

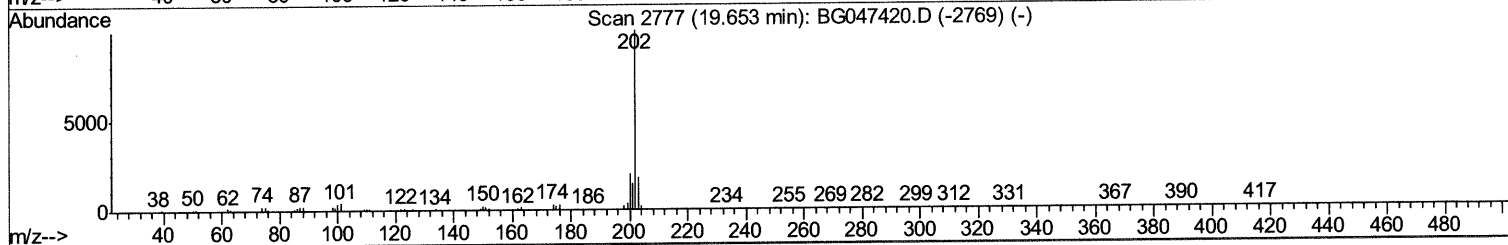
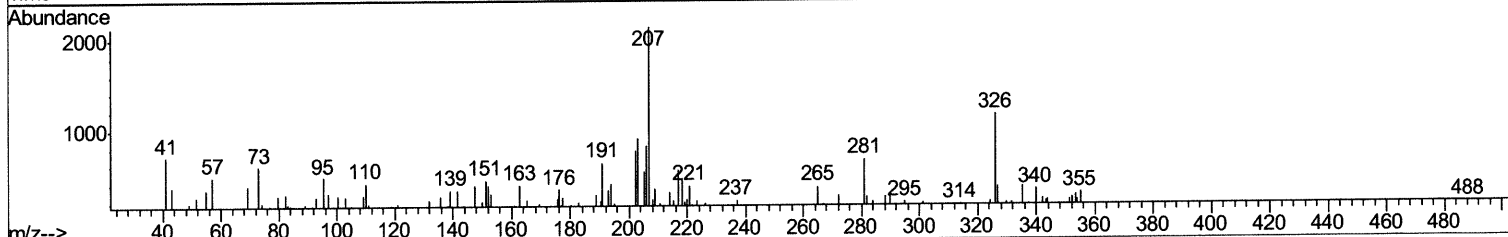
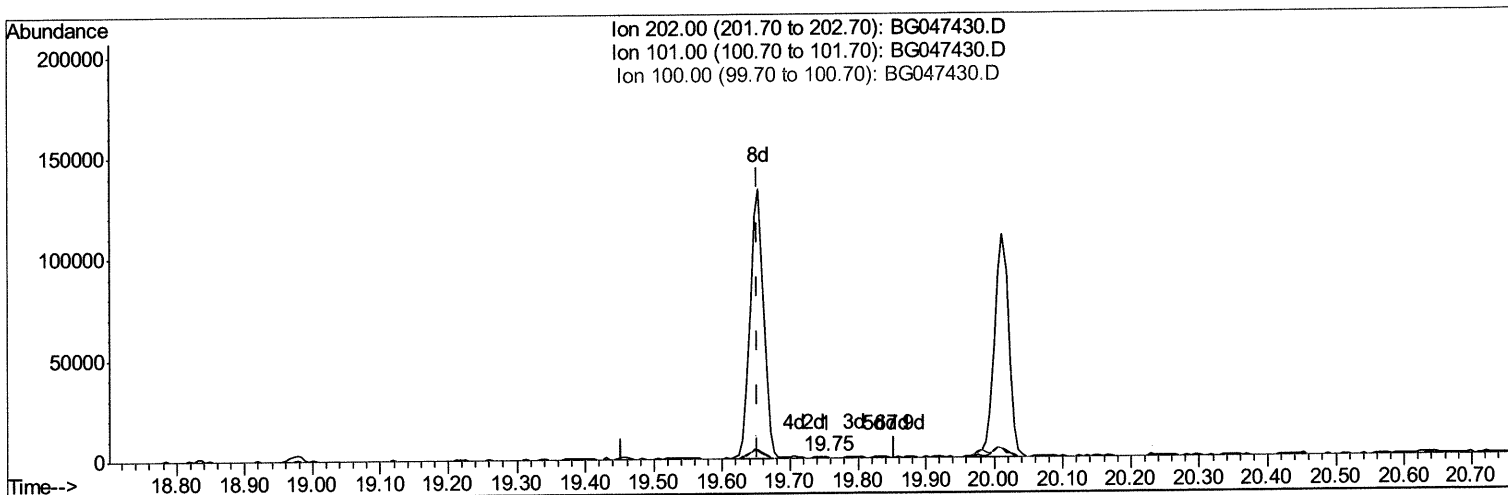
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047430.D
 Acq On : 24 Nov 2020 3:07
 Operator : CG/JU
 Sample : L4749-20
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B22

Manual Integrations
 APPROVED

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 11/25/2020 12:47:33 PM

Quant Time: Nov 24 03:59:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 23 13:14:53 2020
 Response via : Initial Calibration



TIC: BG047430.D

(77) Fluoranthene (C)

19.753min (+0.100) 0.02ng/ul

response 298

Ion	Exp%	Act%
202.00	100	100
101.00	3.80	0.00#
100.00	3.80	35.76#
0.00	0.00	0.00

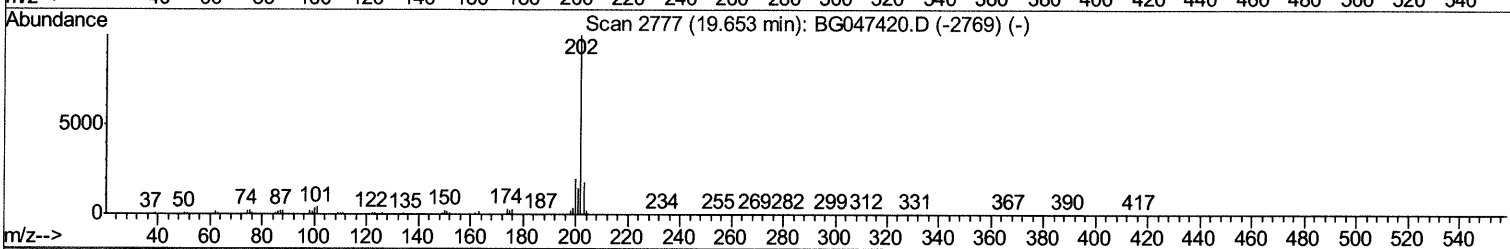
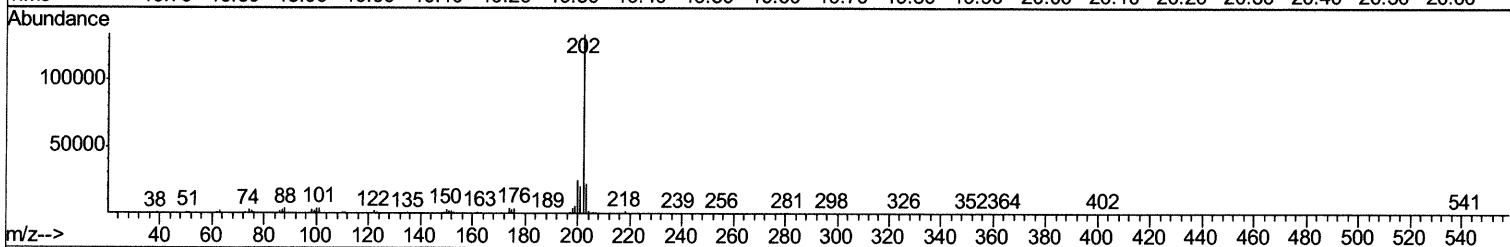
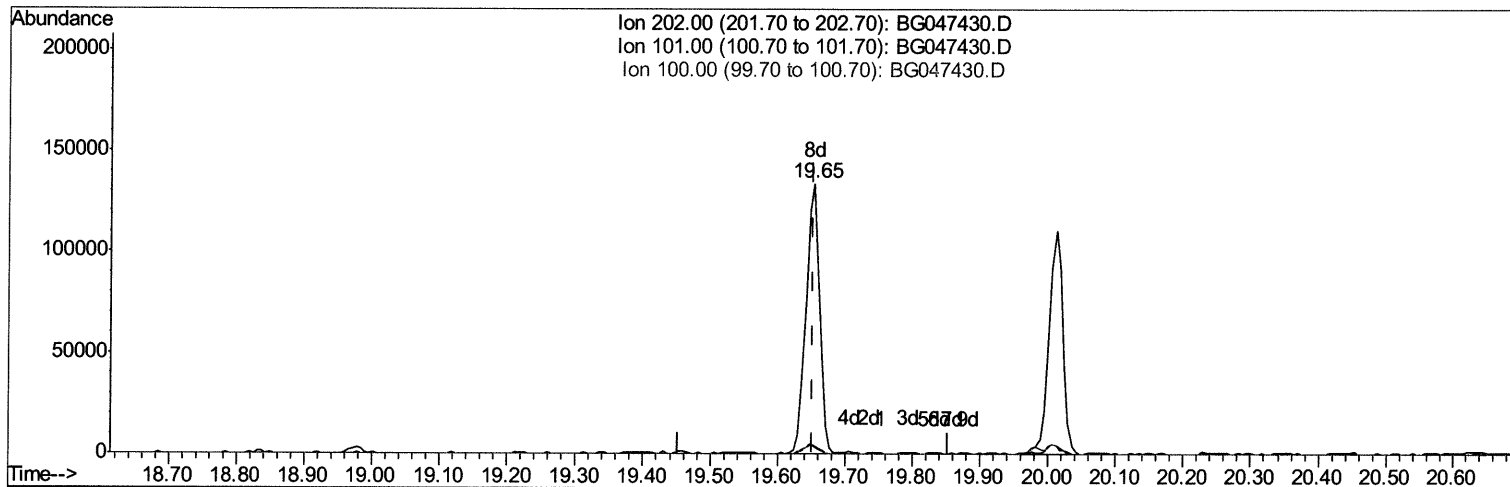
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047430.D
Acq On : 24 Nov 2020 3:07
Operator : CG/JU
Sample : L4749-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0B22

Manual Integrations
APPROVED

mohammad
11/25/2020 12:47:33 PM

Quant Time: Nov 24 03:59:55 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 23 13:14:53 2020
Response via : Initial Calibration



TIC: BG047430.D

(77) Fluoranthene (C)

19.654min (+0.000) 12.52ng/ul m 11/25/2020 JU

response 187759

Ion	Exp%	Act%
202.00	100	100
101.00	3.80	3.00#
100.00	3.80	2.83#
0.00	0.00	0.00

Quantitation Report (Qedit)

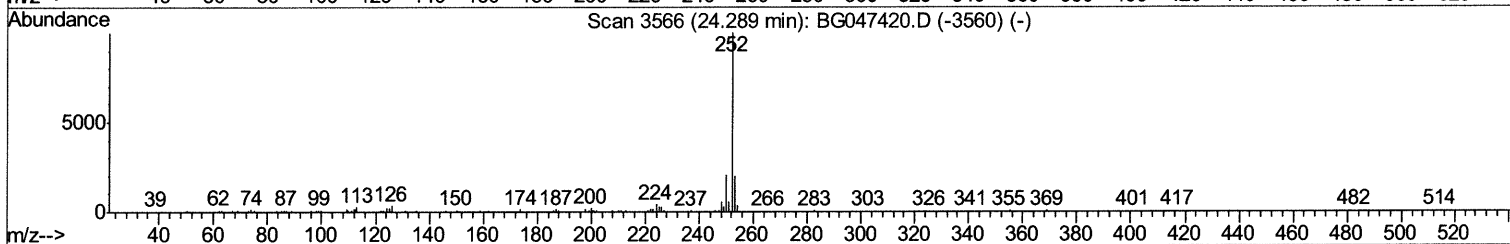
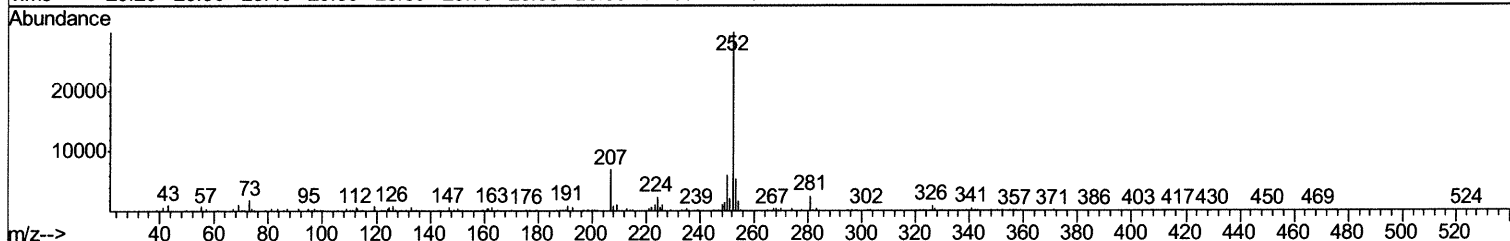
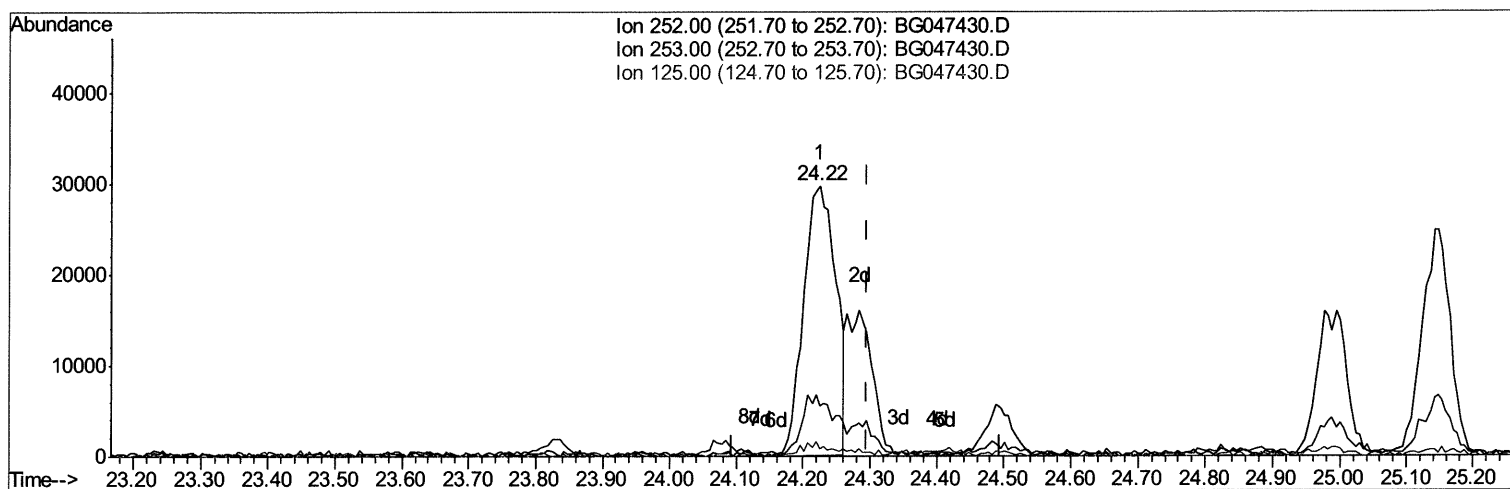
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047430.D
Acq On : 24 Nov 2020 3:07
Operator : CG/JU
Sample : L4749-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0B22

Manual Integrations
APPROVED

mohammad
11/25/2020 12:47:33 PM

Quant Time: Nov 24 03:59:55 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 23 13:14:53 2020
Response via : Initial Calibration



TIC: BG047430.D

(89) Benzo(k)fluoranthene

24.225min (-0.070) 6.93ng/ul

response 99567

Ion	Exp%	Act%
252.00	100	100
253.00	22.80	18.46
125.00	2.70	2.86
0.00	0.00	0.00

Quantitation Report (Qedit)

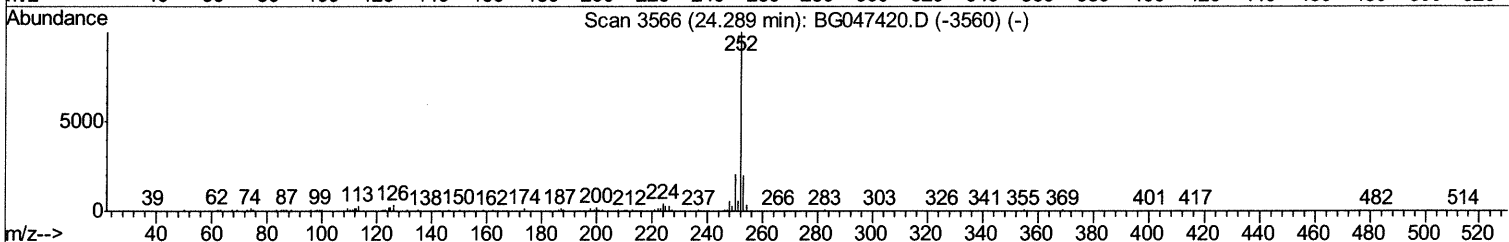
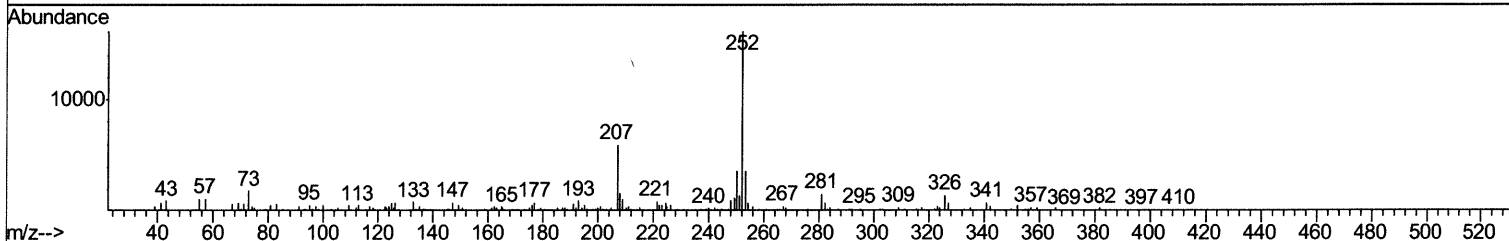
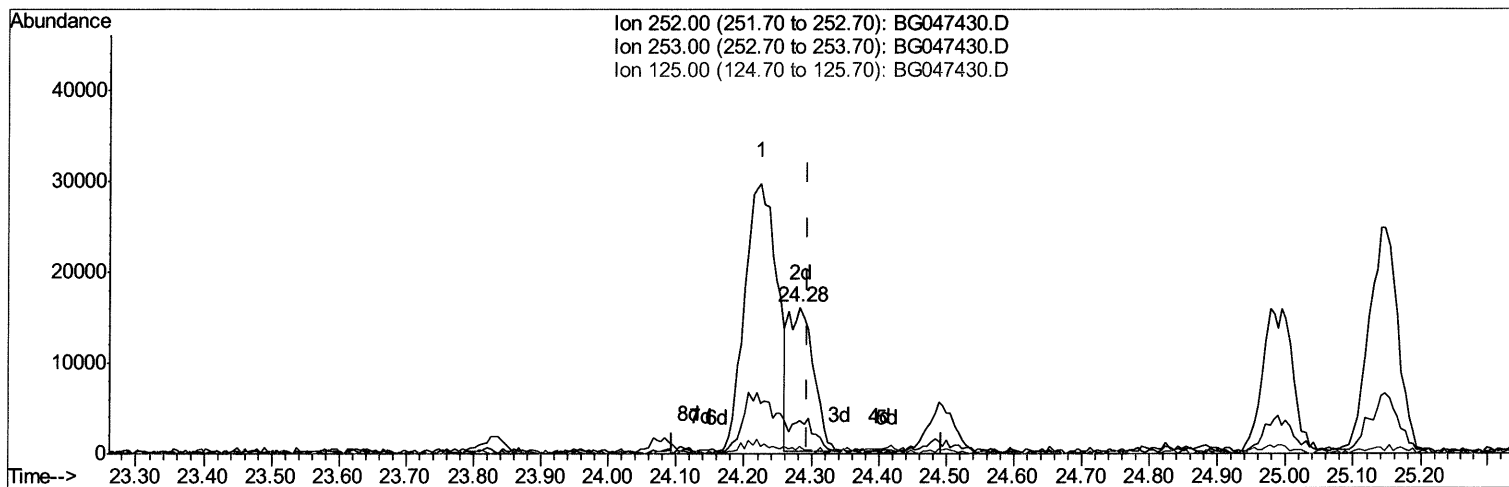
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047430.D
 Acq On : 24 Nov 2020 3:07
 Operator : CG/JU
 Sample : L4749-20
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 C0B22

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:47:33 PM

Quant Time: Nov 24 03:59:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 23 13:14:53 2020
 Response via : Initial Calibration



TIC: BG047430.D

(89) Benzo(k)fluoranthene

24.283min (-0.011) 2.78ng/ul m

11/25/20 JU

response 39984

Ion	Exp%	Act%
252.00	100	100
253.00	22.80	22.64
125.00	2.70	5.02#
0.00	0.00	0.00

Quantitation Report (Qedit)

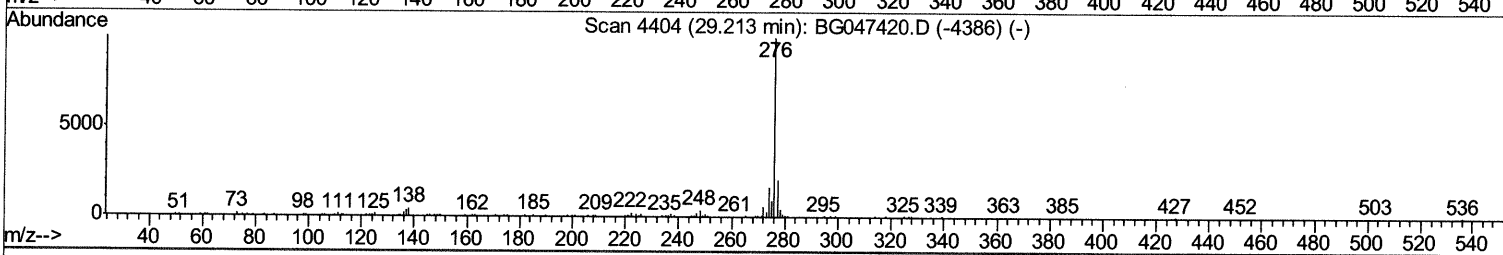
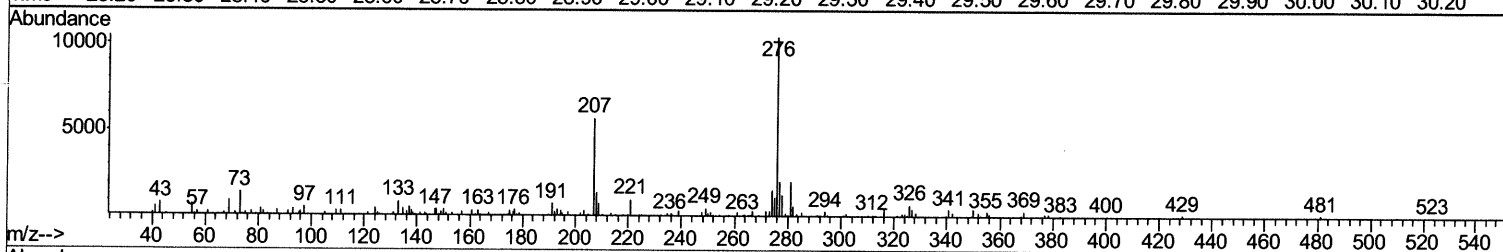
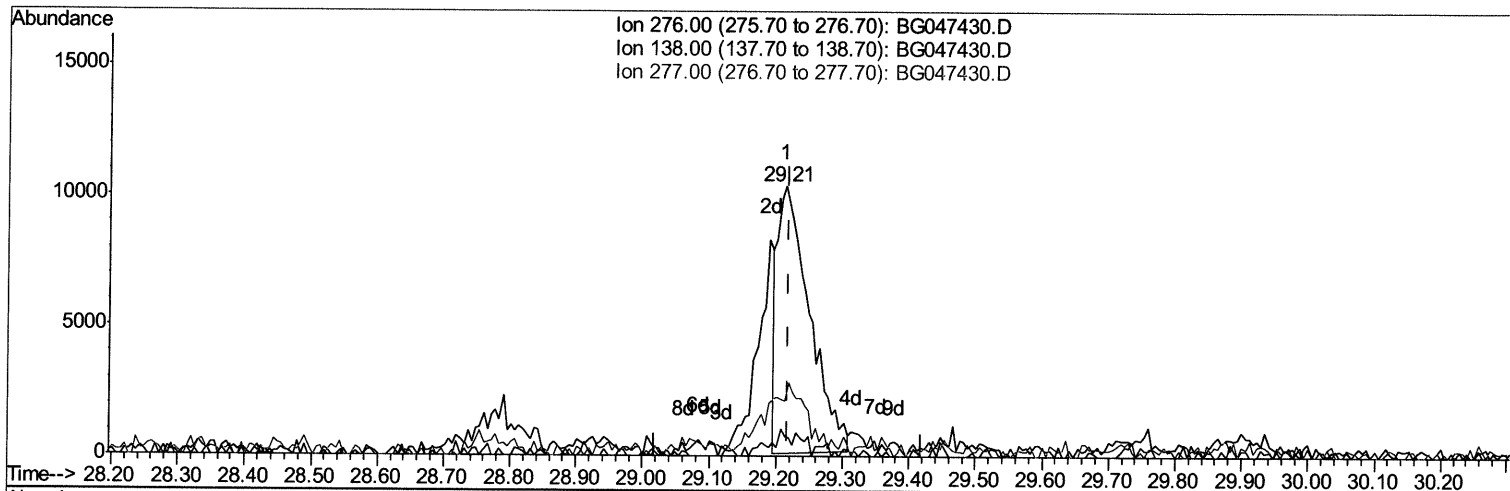
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047430.D
Acq On : 24 Nov 2020 3:07
Operator : CG/JU
Sample : L4749-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0B22

Manual Integrations
APPROVED

mohammad
11/25/2020 12:47:33 PM

Quant Time: Nov 24 03:59:55 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 23 13:14:53 2020
Response via : Initial Calibration



TIC: BG047430.D

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

29.213min (-0.006) 2.13ng/ul

response 33703

Ion	Exp%	Act%
276.00	100	100
138.00	6.30	7.17
277.00	20.60	20.58
0.00	0.00	0.00

Quantitation Report (Qedit)

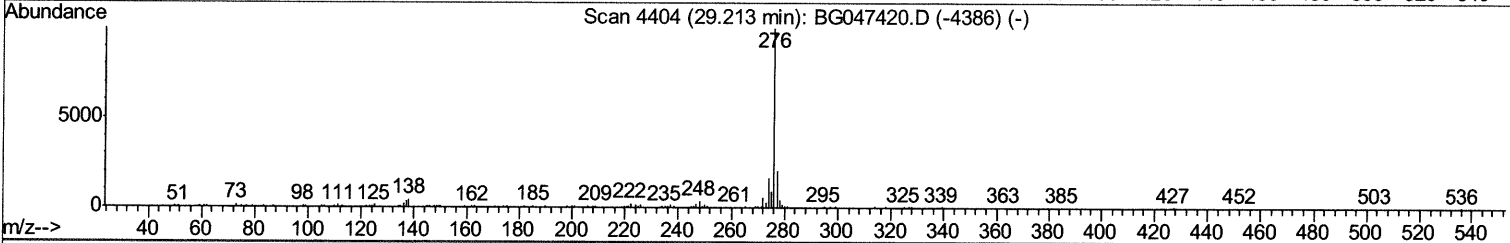
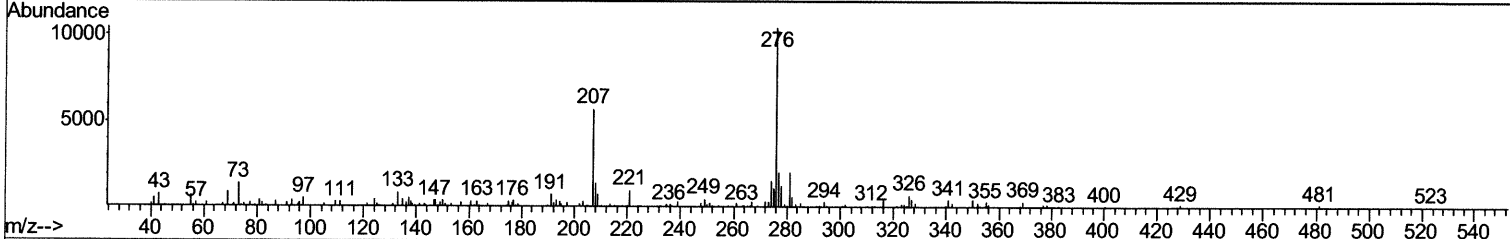
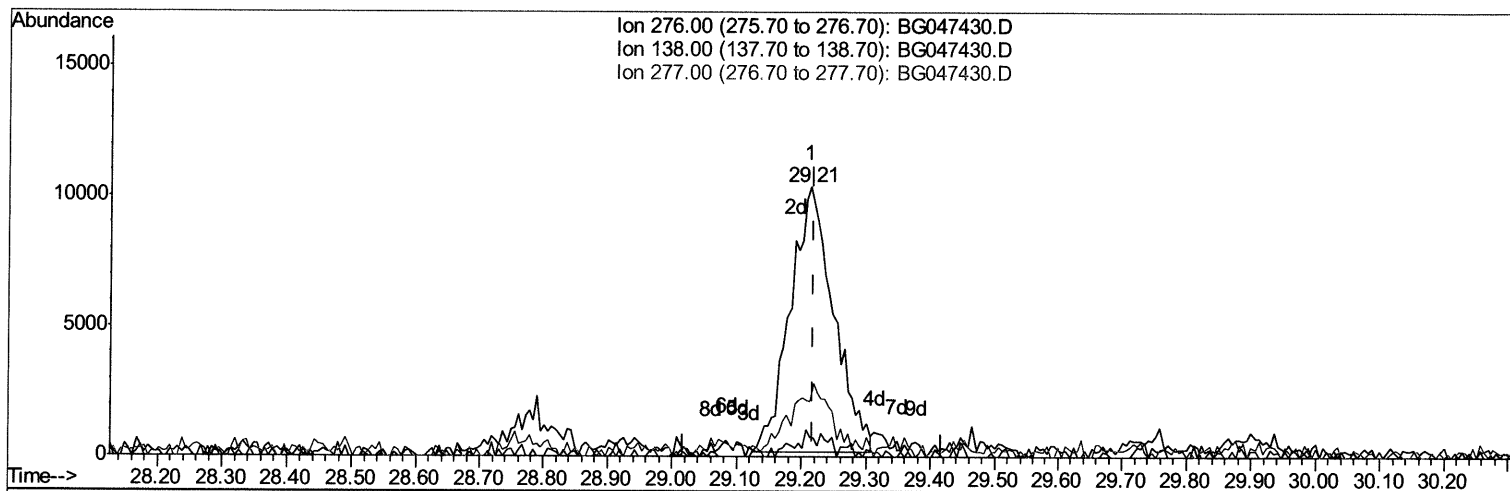
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047430.D
 Acq On : 24 Nov 2020 3:07
 Operator : CG/JU
 Sample : L4749-20
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B22

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:47:33 PM

Quant Time: Nov 24 03:59:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 23 13:14:53 2020
 Response via : Initial Calibration



TIC: BG047430.D

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

29.213min (-0.006) 3.00ng/ul m 11/25/20 JU

response 47343

Ion	Exp%	Act%
276.00	100	100
138.00	6.30	4.25#
277.00	20.60	20.58
0.00	0.00	0.00

Quantitation Report (Qedit)

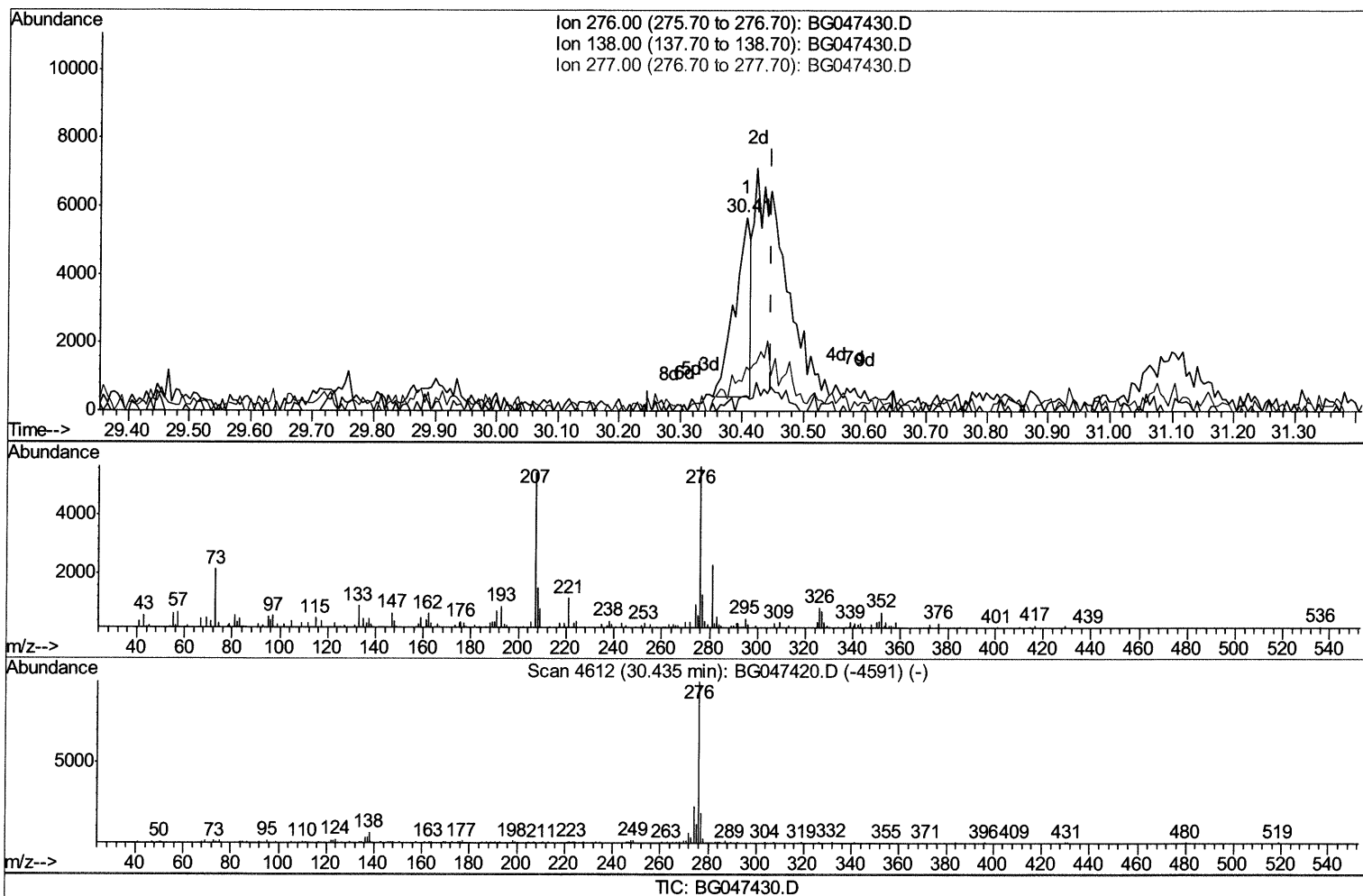
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047430.D
 Acq On : 24 Nov 2020 3:07
 Operator : CG/JU
 Sample : L4749-20
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B22

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:47:33 PM

Quant Time: Nov 24 03:59:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 23 13:14:53 2020
 Response via : Initial Calibration



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

30.406min (-0.041) 0.71ng/ul

response 9317

Ion	Exp%	Act%
276.00	100	100
138.00	7.20	8.17
277.00	21.80	22.75
0.00	0.00	0.00

Quantitation Report (Qedit)

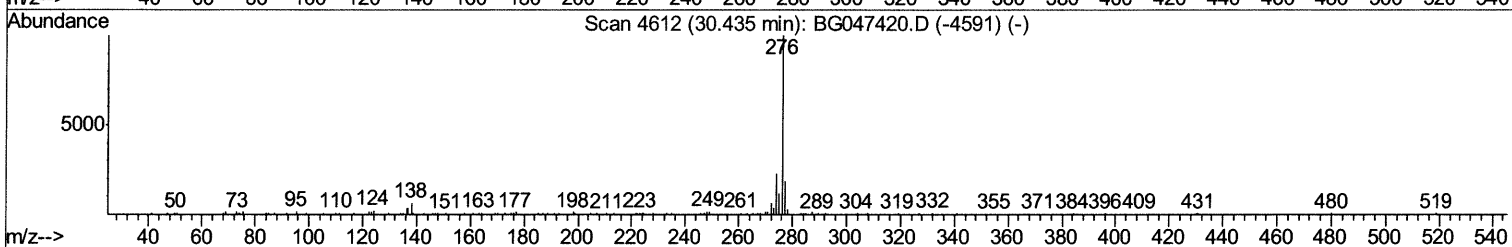
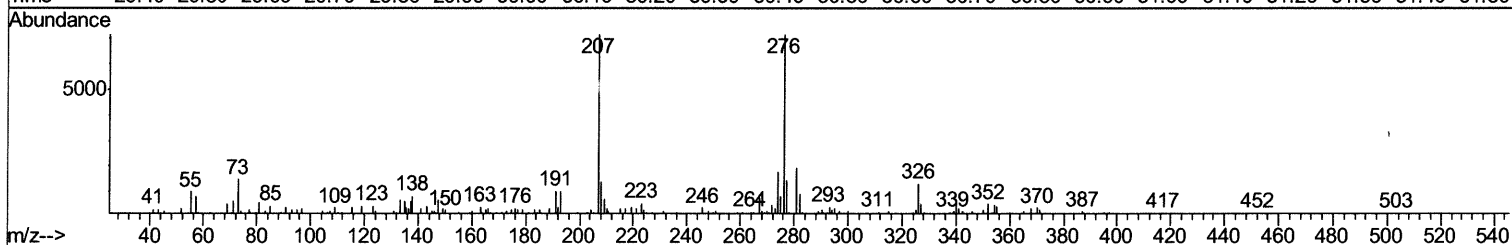
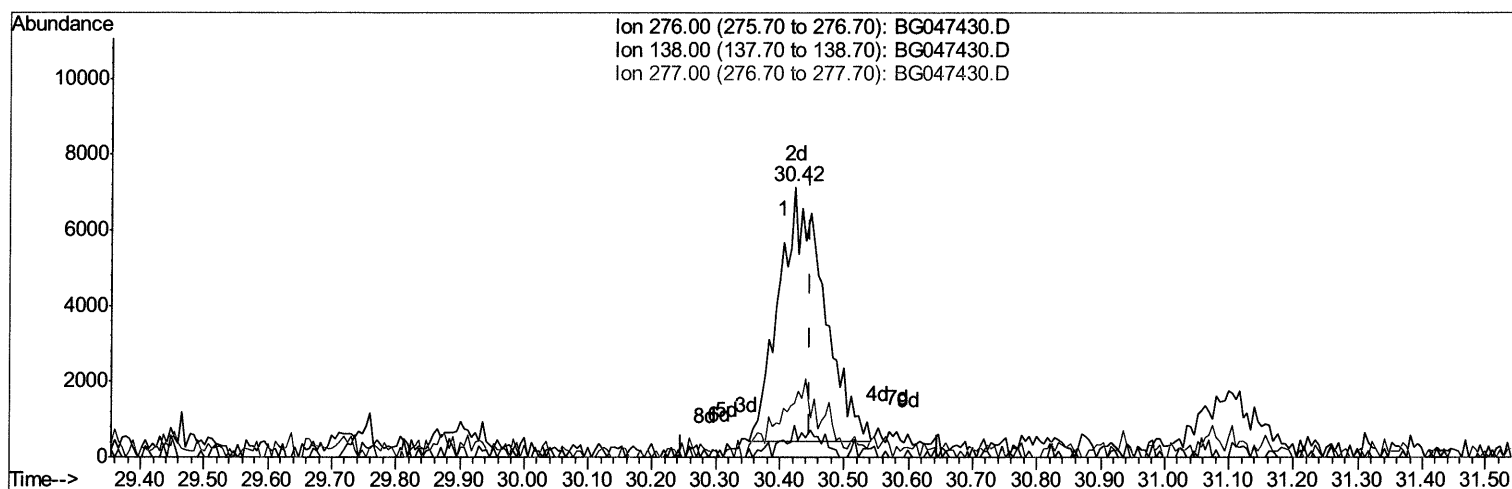
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047430.D
Acq On : 24 Nov 2020 3:07
Operator : CG/JU
Sample : L4749-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0B22

Manual Integrations
APPROVED

mohammad
11/25/2020 12:47:33 PM

Quant Time: Nov 24 03:59:55 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 23 13:14:53 2020
Response via : Initial Calibration



TIC: BG047430.D

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

30.423min (-0.023) 2.50ng/ul m

11/25/2020

response 32576

Ion	Exp%	Act%
276.00	100	100
138.00	7.20	11.81#
277.00	21.80	20.01
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047430.D
 Acq On : 24 Nov 2020 3:07
 Operator : CG/JU
 Sample : L4749-20
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B22

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:47:33 PM

Quant Time: Nov 24 04:05:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 23 13:14:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	35134	20.00	ng/ul	0.00
18) Naphthalene-d8	11.10	136	137333	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.89	164	97815	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.62	188	219935m>	20.00	ng/ul>	0.00 11/25/20 J4
78) Chrysene-d12	21.90	240	194599	20.00	ng/ul	0.00
86) Perylene-d12	25.31	264	206420	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.61	96	1588m>	1.64	ng/uL>	0.00 11/25/20 J4
5) Phenol-d5	7.41	99	47487	13.48	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.59	67	28034	13.95	ng/ul	0.00
9) 2-Chlorophenol-d4	7.80	132	33230	14.06	ng/ul	0.00
13) 4-Methylphenol-d8	8.97	113	33760	12.47	ng/ul	0.00
19) Nitrobenzene-d5	9.44	128	19398	17.10	ng/ul	0.00
22) 2-Nitrophenol-d4	10.16	143	20023	16.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.71	165	43556	15.37	ng/ul	0.00
29) 4-Chloroaniline-d4	11.22	131	38999	13.61	ng/ul	0.00
44) Dimethylphthalate-d6	14.28	166	138501	16.49	ng/ul	0.00
47) Acenaphthylene-d8	14.58	160	163817	16.88	ng/ul	0.00
52) 4-Nitrophenol-d4	15.04	143	14265	11.13	ng/ul	0.00
58) Fluorene-d10	15.87	176	126471	16.44	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.97	200	8596	6.87	ng/ul	0.00
71) Anthracene-d10	17.72	188	192271	17.62	ng/ul	0.00
79) Pyrene-d10	19.98	212	216047	19.08	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.08	264	218646	18.40	ng/ul	0.00
Target Compounds						
6) Phenol	7.43	94	6812	2.018	ng/ul#	85
45) Dimethylphthalate	14.32	163	19906	2.324	ng/ul	98
70) Phenanthrene	17.66	178	97303m>	8.193	ng/ul>	11/25/20 J4
72) Anthracene	17.76	178	18423	1.540	ng/ul	95
77) Fluoranthene	19.65	202	187759m>	12.518	ng/ul>	11/25/20 J4
80) Pyrene	20.01	202	159501	11.571	ng/ul	99
83) Benzo(a)anthracene	21.88	228	88104	6.363	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.77	149	15726	2.330	ng/ul#	88
85) Chrysene	21.94	228	80620	6.119	ng/ul	96
88) Benzo(b)fluoranthene	24.22	252	99152	6.803	ng/ul	95
89) Benzo(k)fluoranthene	24.28	252	39984m>	2.784	ng/ul>	11/25/20 J4
91) Benzo(a)pyrene	25.15	252	72745	5.599	ng/ul#	93
92) Indeno(1,2,3-cd)pyrene	29.21	276	47343m	2.996	ng/ul	11/25/20 J4
94) Benzo(g,h,i)perylene	30.42	276	32576m }	2.498	ng/ul }	

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