

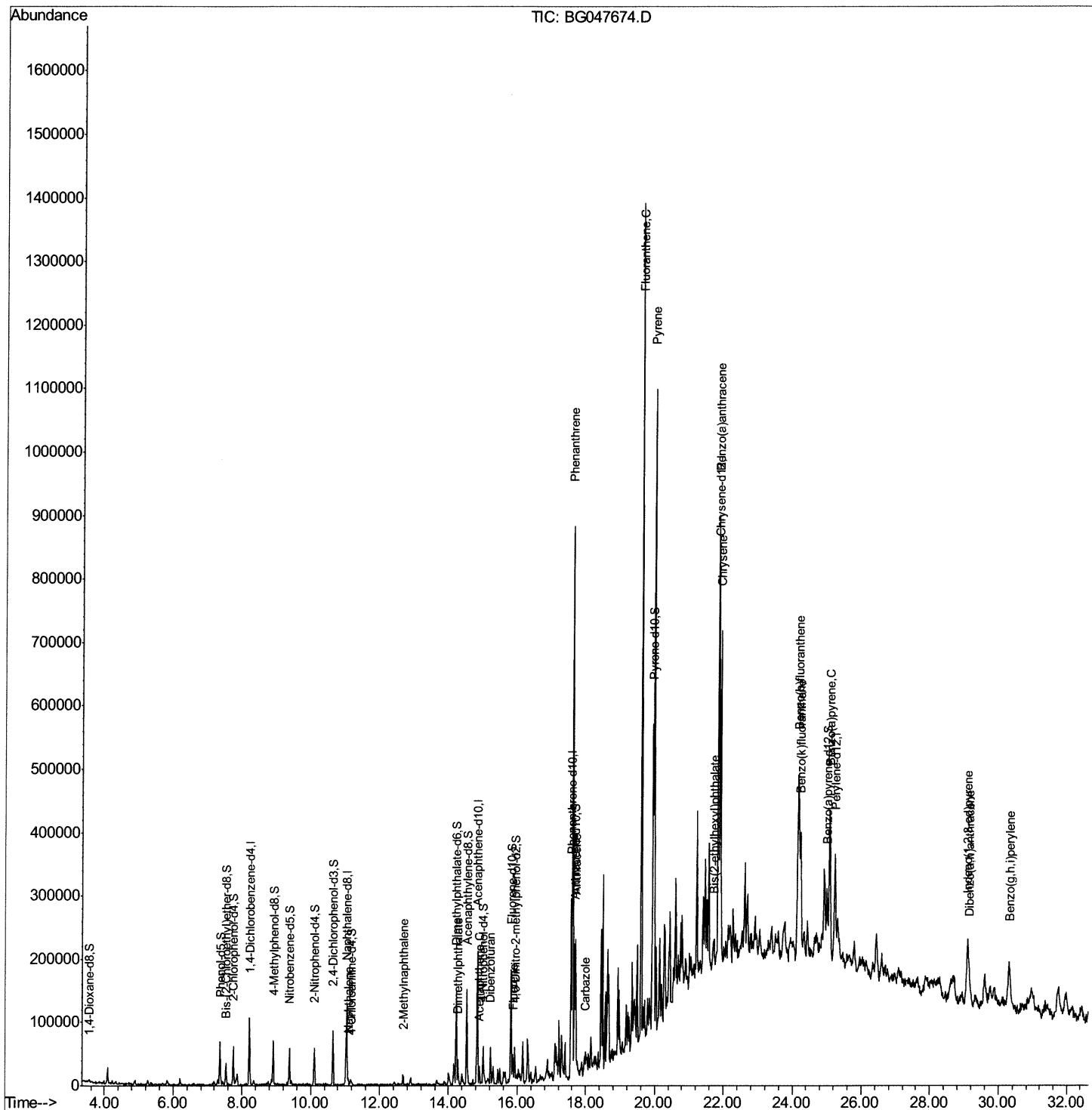
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120820\
Data File : BG047674.D
Acq On : 9 Dec 2020 15:15
Operator : CG/JU
Sample : L4862-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
C0BB5

Manual Integrations
APPROVED

mohammad
12/9/2020 5:40:20 PM

Quant Time: Dec 09 16:18:22 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 08 17:39:41 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

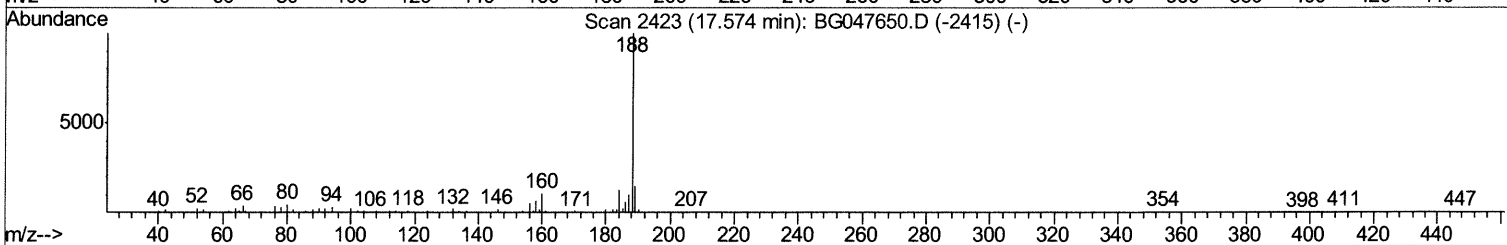
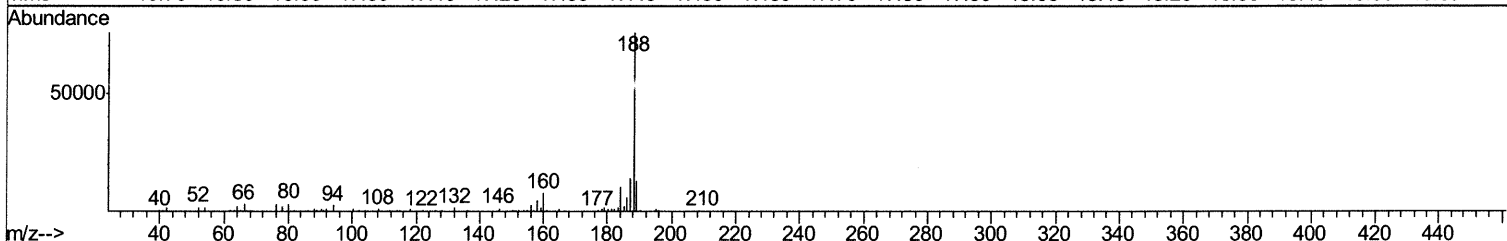
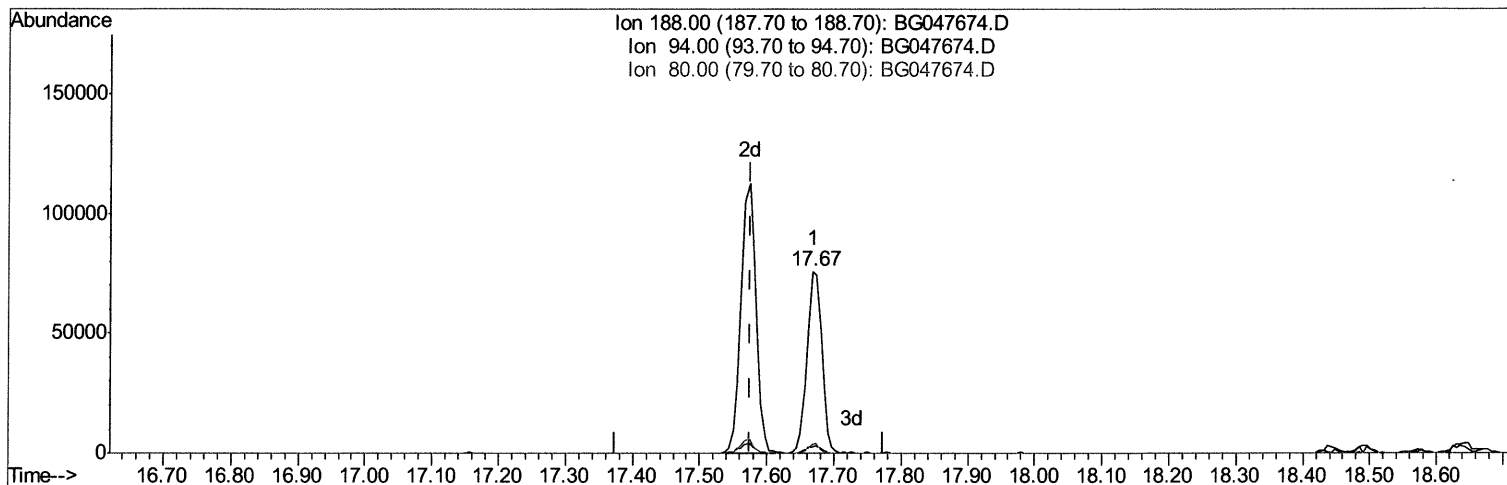
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120820\
 Data File : BG047674.D
 Acq On : 9 Dec 2020 15:15
 Operator : CG/JU
 Sample : L4862-10
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0BB5

Manual Integrations
 APPROVED

mohammad
 12/9/2020 5:40:20 PM

Quant Time: Dec 09 16:11:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 08 17:39:41 2020
 Response via : Initial Calibration



TIC: BG047674.D

(62) Phenanthrene-d10 (I)
 17.667min (+0.093) 20.00ng/ul
 response 116957

Ion	Exp%	Act%
188.00	100	100
94.00	3.60	3.47
80.00	4.20	4.58
0.00	0.00	0.00

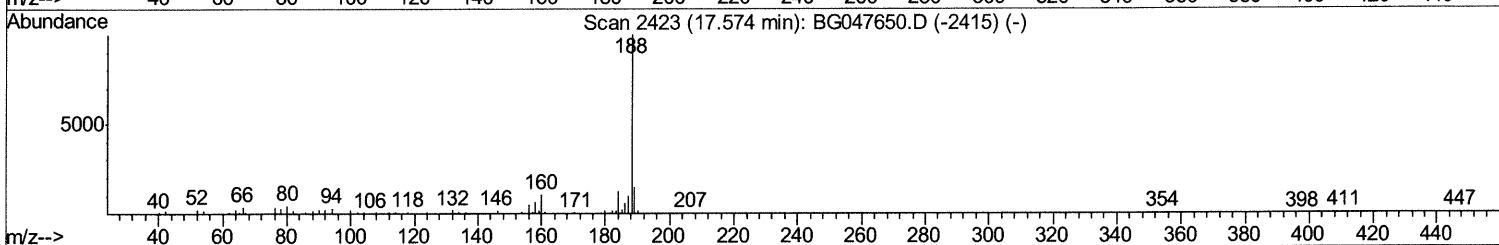
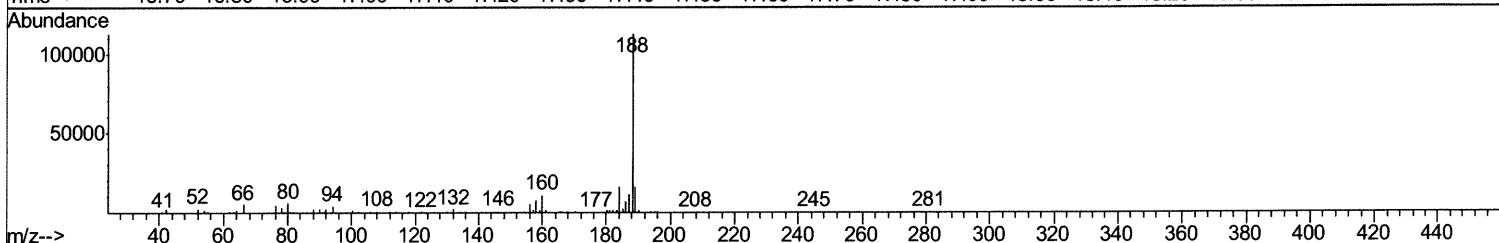
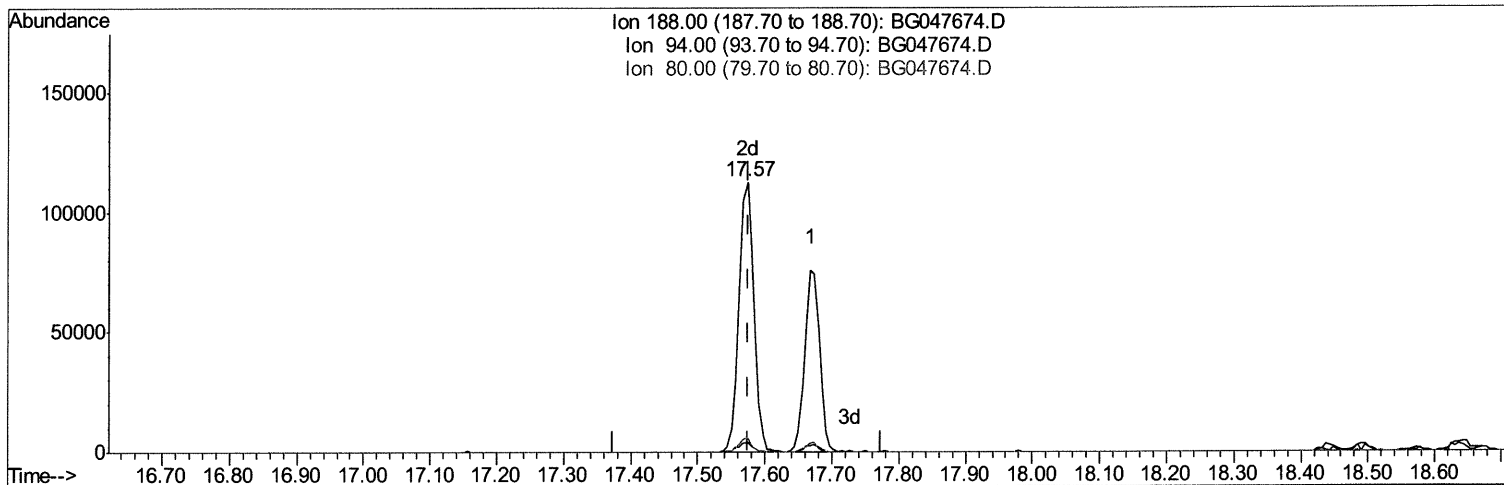
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120820\
Data File : BG047674.D
Acq On : 9 Dec 2020 15:15
Operator : CG/JU
Sample : L4862-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0BB5

Manual Integrations
APPROVED

mohammad
12/9/2020 5:40:20 PM

Quant Time: Dec 09 16:11:58 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 08 17:39:41 2020
Response via : Initial Calibration



TIC: BG047674.D

(62) Phenanthrene-d10 (I)

17.573min (-0.001) 20.00ng/ul m

response 172933

Ion	Exp%	Act%
188.00	100	100
94.00	3.60	3.87
80.00	4.20	5.29#
0.00	0.00	0.00

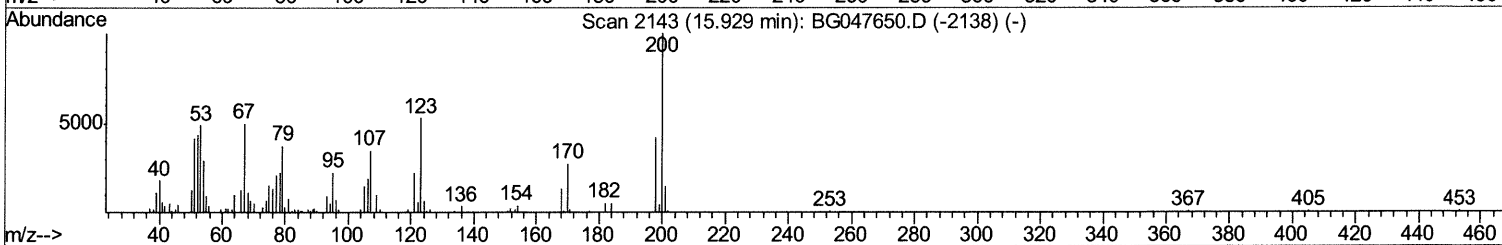
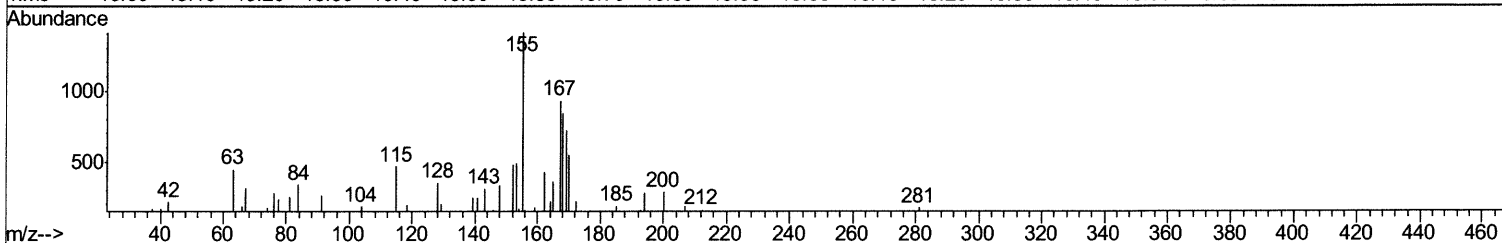
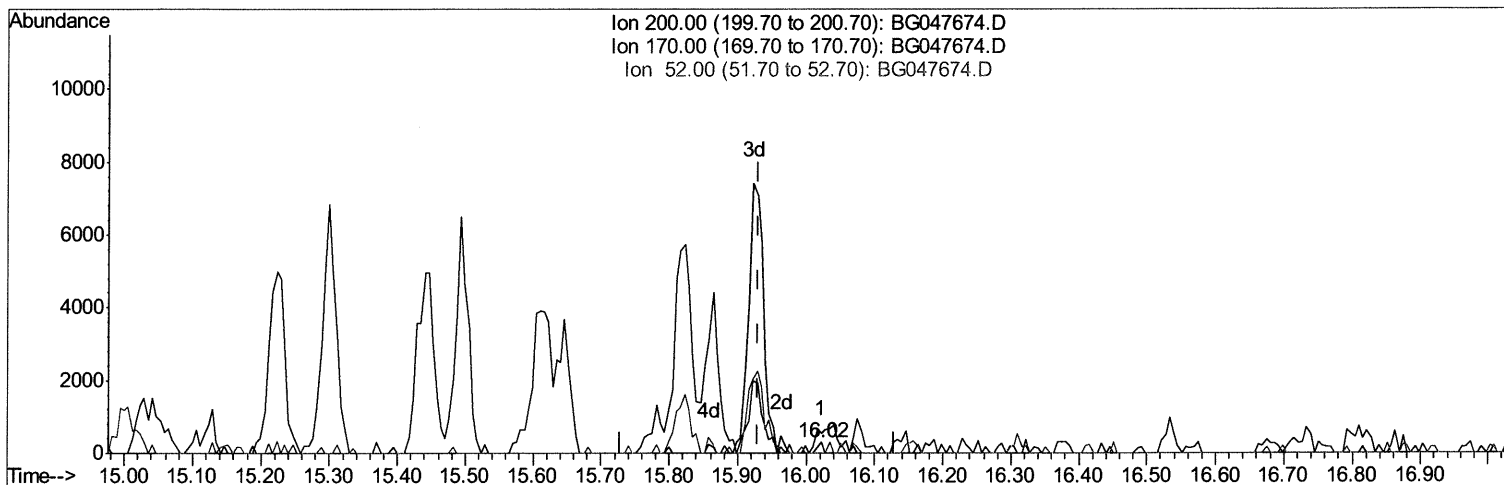
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120820\
Data File : BG047674.D
Acq On : 9 Dec 2020 15:15
Operator : CG/JU
Sample : L4862-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0BB5

Manual Integrations
APPROVED

mohammad
12/9/2020 5:40:20 PM

Quant Time: Dec 09 16:14:17 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 08 17:39:41 2020
Response via : Initial Calibration



TIC: BG047674.D

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

16.022min (+0.093) 0.13ng/ul

response 156

Ion	Exp%	Act%
200.00	100	100
170.00	22.20	189.62#
52.00	43.70	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

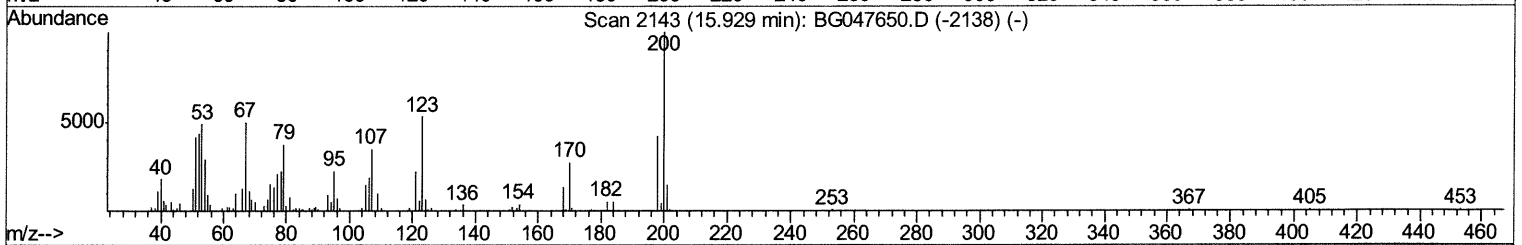
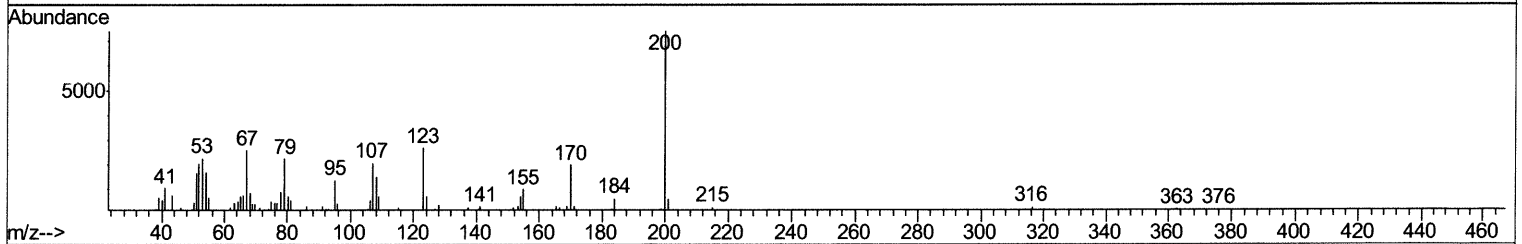
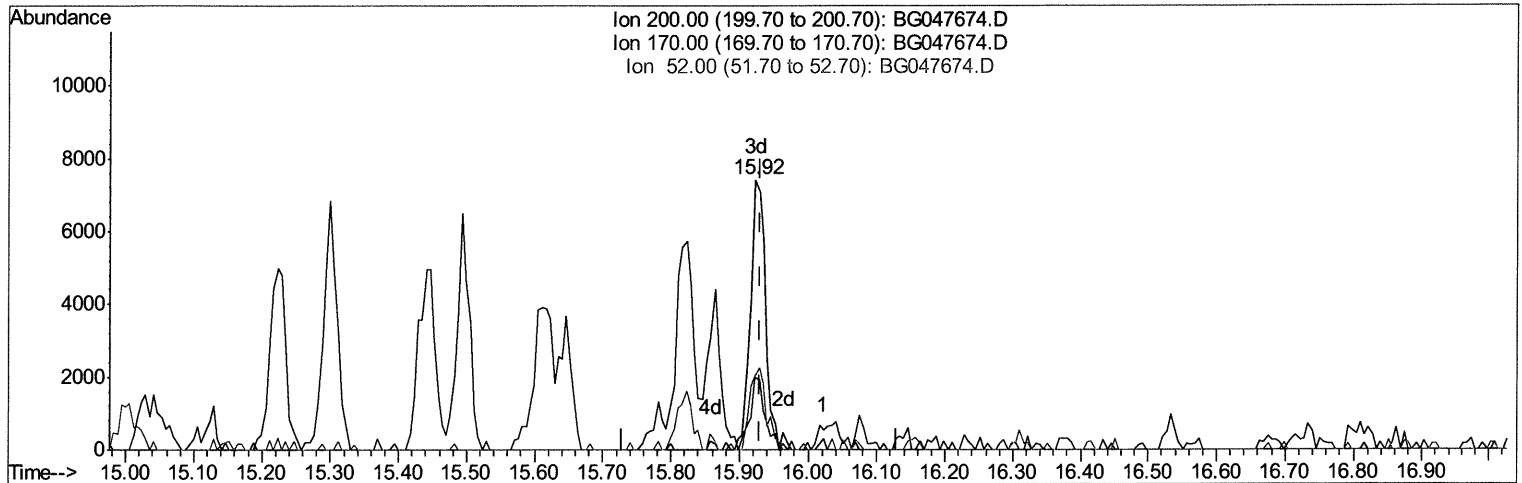
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120820\
Data File : BG047674.D
Acq On : 9 Dec 2020 15:15
Operator : CG/JU
Sample : L4862-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0BB5

Manual Integrations
APPROVED

mohammad
12/9/2020 5:40:20 PM

Quant Time: Dec 09 16:14:17 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 08 17:39:41 2020
Response via : Initial Calibration



TIC: BG047674.D

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

15.922min (-0.007) 9.55ng/ul m

response 11176

Ion	Exp%	Act%
200.00	100	100
170.00	22.20	26.66#
52.00	43.70	27.36#
0.00	0.00	0.00

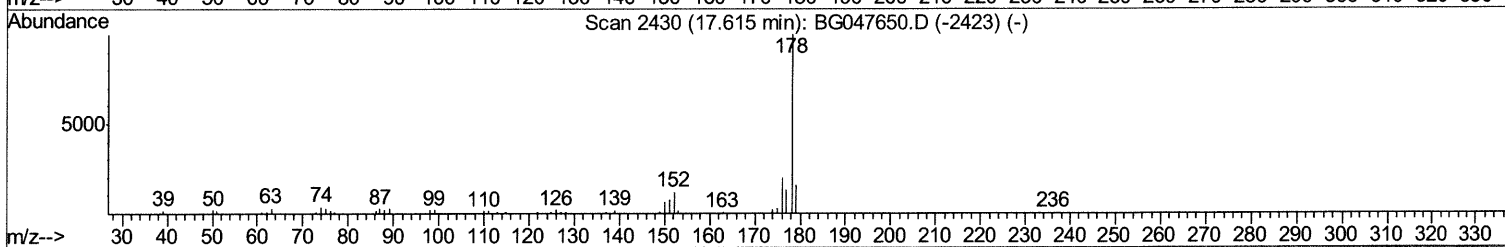
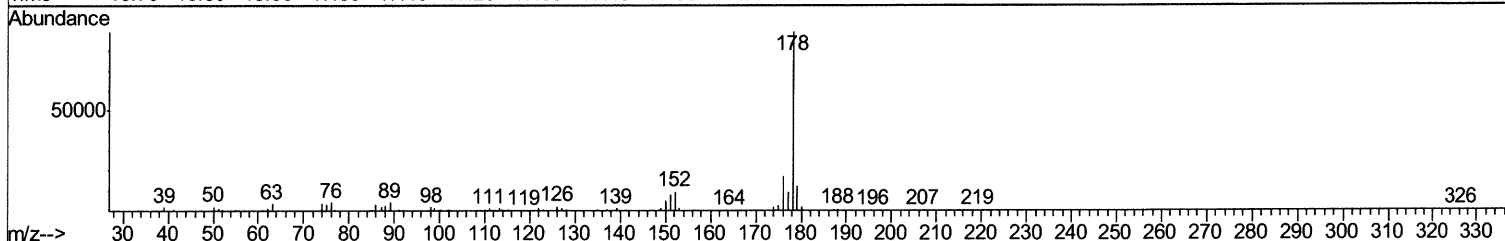
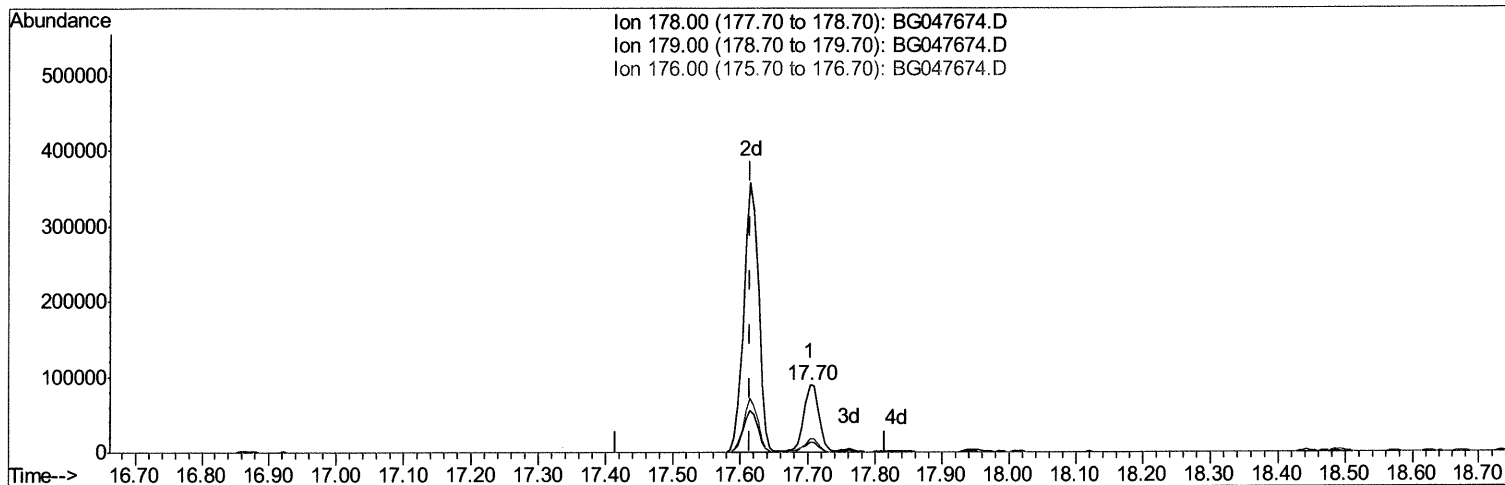
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120820\
Data File : BG047674.D
Acq On : 9 Dec 2020 15:15
Operator : CG/JU
Sample : L4862-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0BB5

Manual Integrations
APPROVED

mohammad
12/9/2020 5:40:20 PM

Quant Time: Dec 09 16:14:17 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
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TIC: BG047674.D

(70) Phenanthrene

17.703min (+0.087) 14.99ng/ul

response 140537

Ion	Exp%	Act%
178.00	100	100
179.00	14.50	14.11
176.00	19.80	19.55
0.00	0.00	0.00

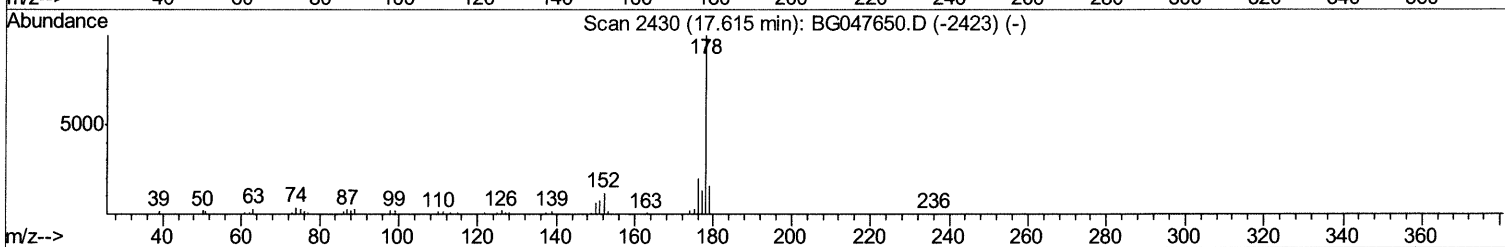
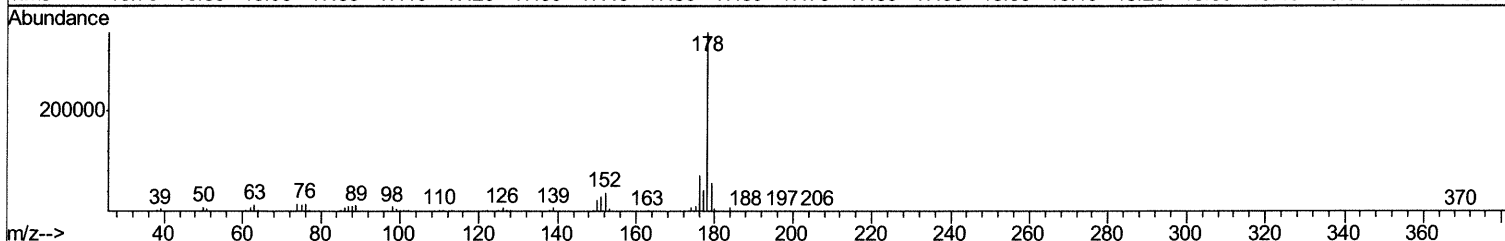
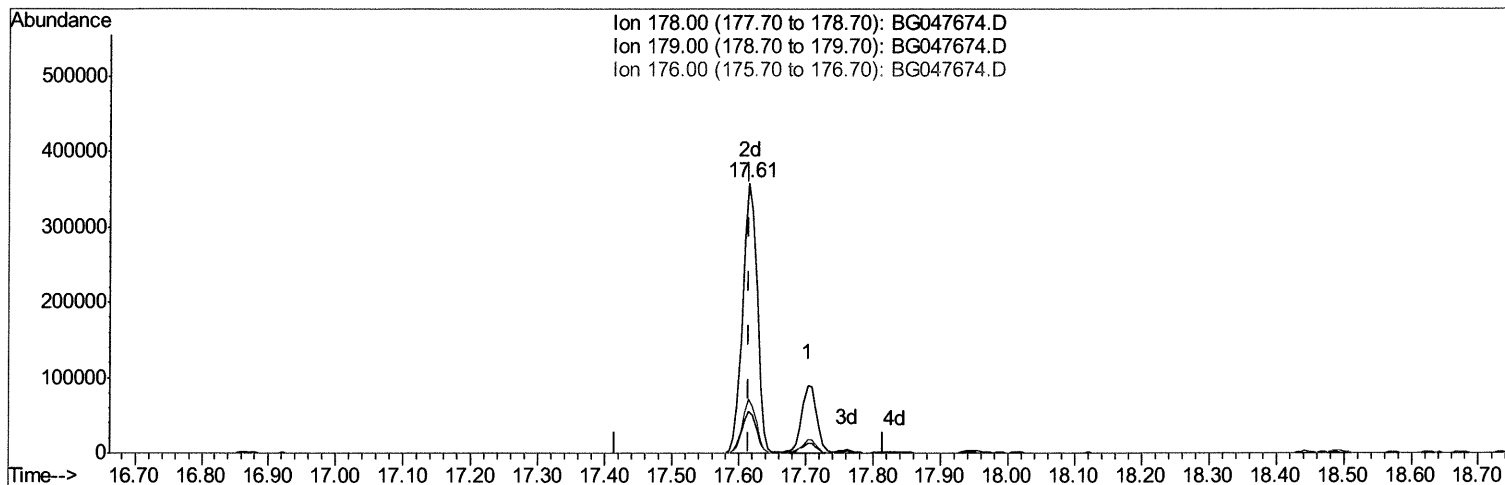
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120820\
Data File : BG047674.D
Acq On : 9 Dec 2020 15:15
Operator : CG/JU
Sample : L4862-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0BB5

Manual Integrations
APPROVED

mohammad
12/9/2020 5:40:20 PM

Quant Time: Dec 09 16:14:17 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
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Response via : Initial Calibration



TIC: BG047674.D

(70) Phenanthrene

17.614min (-0.001) 57.87ng/ul m

12/10/20 JU

response 542385

Ion	Exp%	Act%
178.00	100	100
179.00	14.50	15.63
176.00	19.80	19.98
0.00	0.00	0.00

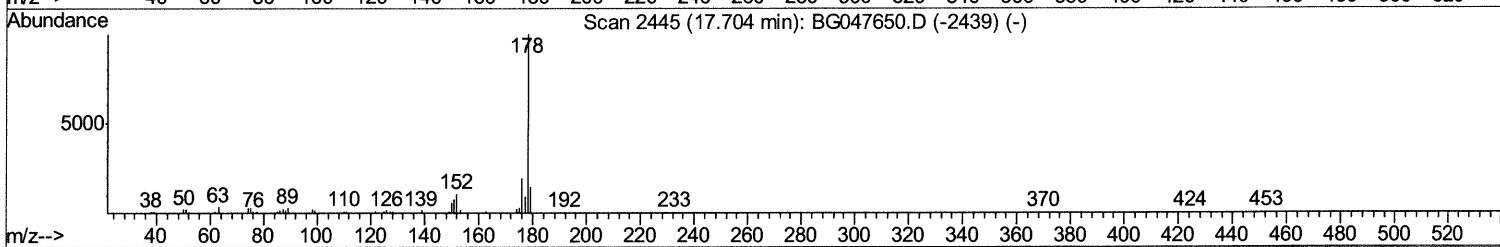
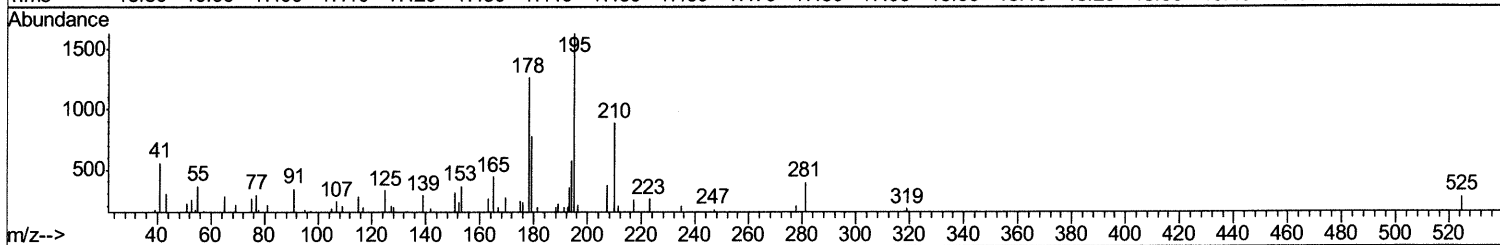
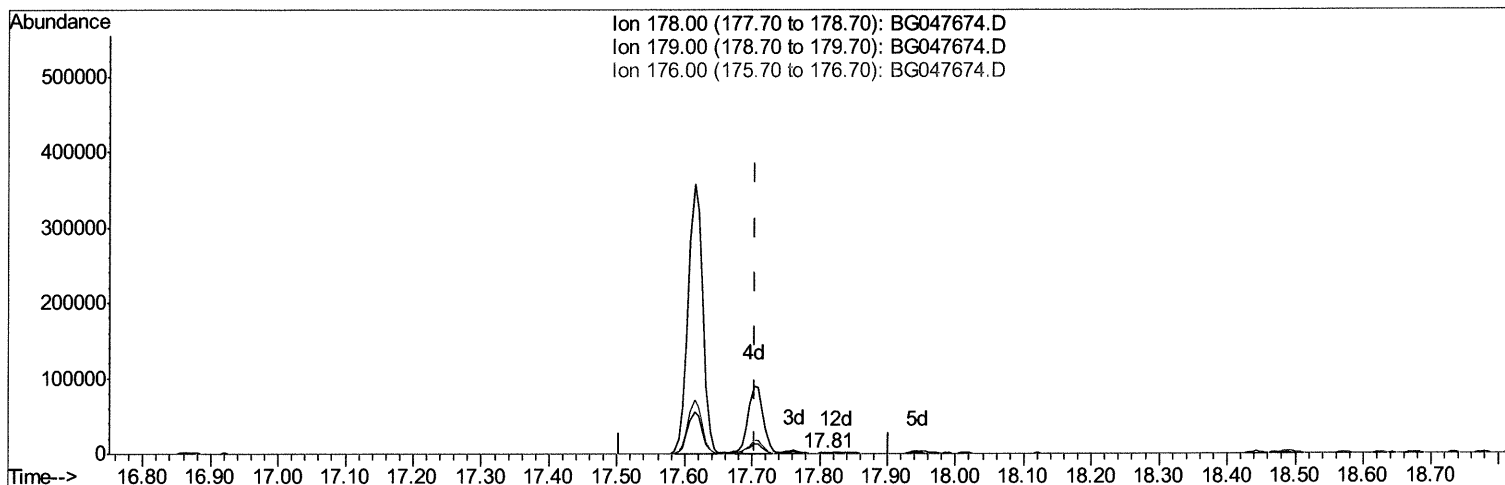
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120820\
Data File : BG047674.D
Acq On : 9 Dec 2020 15:15
Operator : CG/JU
Sample : L4862-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0BB5

Manual Integrations
APPROVED

mohammad
12/9/2020 5:40:20 PM

Quant Time: Dec 09 16:14:17 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
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TIC: BG047674.D

(72) Anthracene

17.808min (+0.105) 0.05ng/ul

response 437

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	61.73#
176.00	20.90	18.54
0.00	0.00	0.00

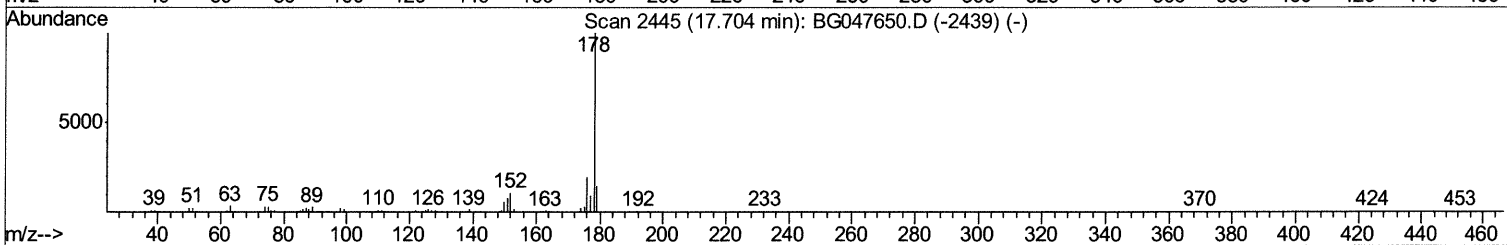
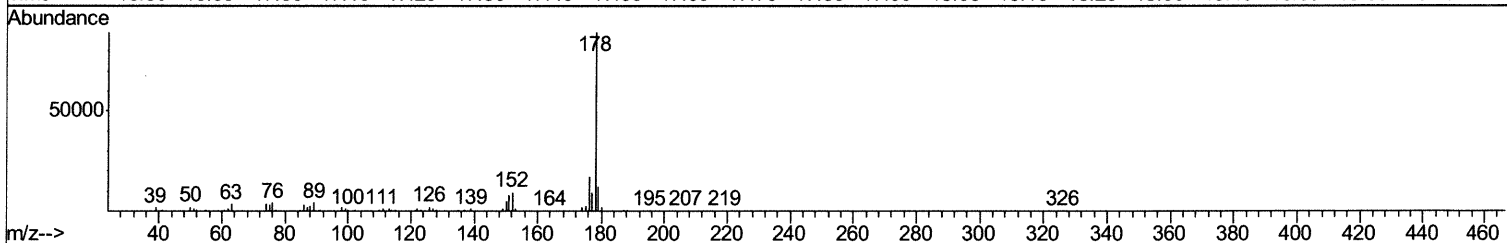
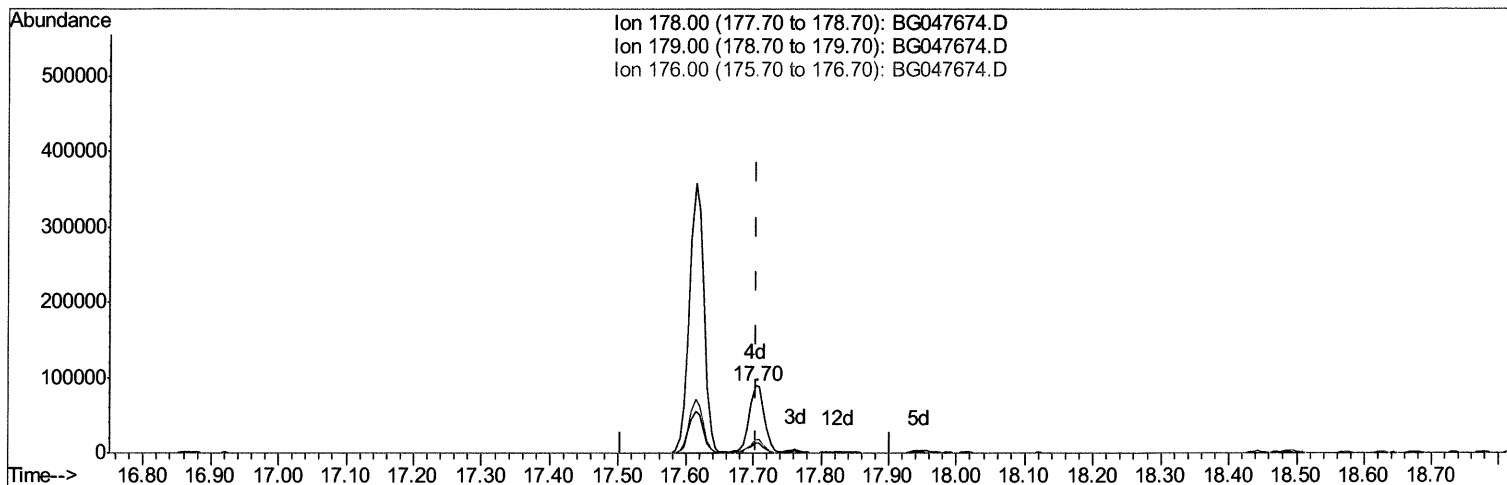
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120820\
Data File : BG047674.D
Acq On : 9 Dec 2020 15:15
Operator : CG/JU
Sample : L4862-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0BB5

Manual Integrations
APPROVED

mohammad
12/9/2020 5:40:20 PM

Quant Time: Dec 09 16:14:17 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 08 17:39:41 2020
Response via : Initial Calibration



TIC: BG047674.D

(72) Anthracene

17.703min (-0.001) 15.25ng/ul m

12/10/20 JY

response 142523

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	14.11#
176.00	20.90	19.55
0.00	0.00	0.00

Quantitation Report (Qedit)

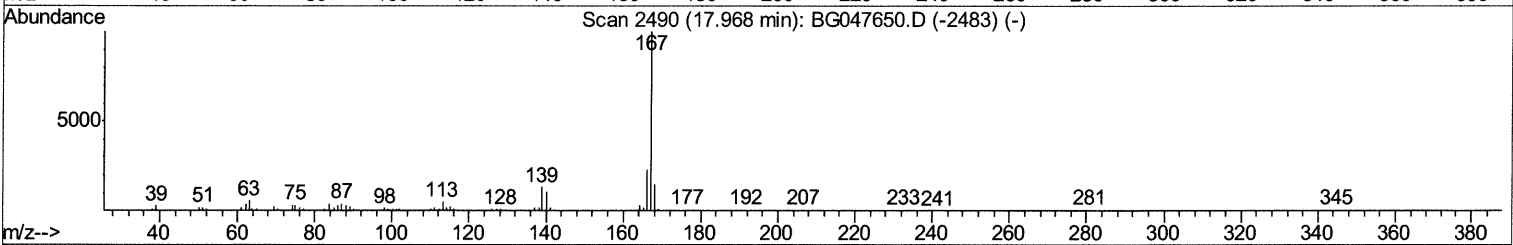
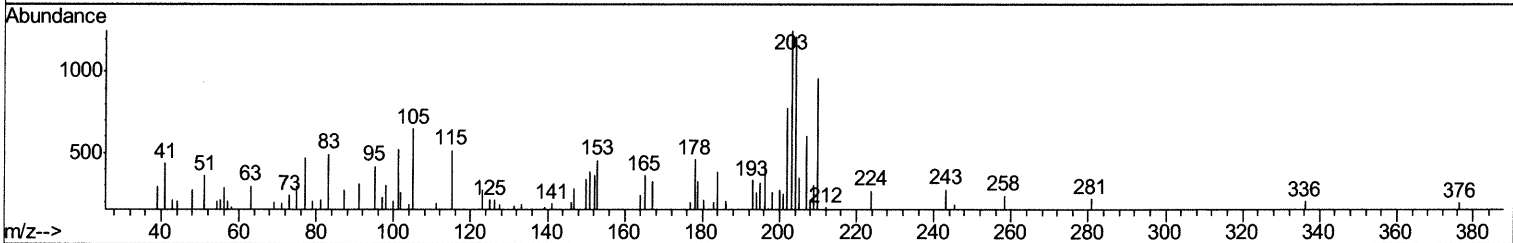
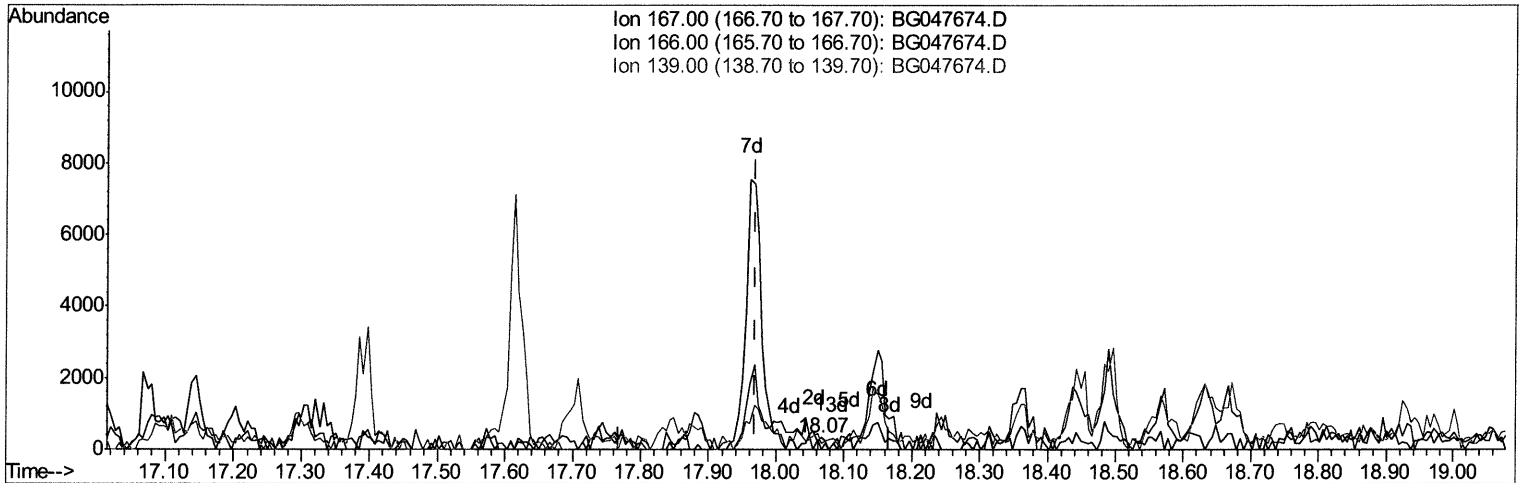
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120820\
 Data File : BG047674.D
 Acq On : 9 Dec 2020 15:15
 Operator : CG/JU
 Sample : L4862-10
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0BB5

Manual Integrations
 APPROVED

mohammad
 12/9/2020 5:40:20 PM

Quant Time: Dec 09 16:14:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 08 17:39:41 2020
 Response via : Initial Calibration



TIC: BG047674.D

(75) Carbazole

18.067min (+0.099) 0.03ng/ul

response 197

Ion	Exp%	Act%
167.00	100	100
166.00	20.20	0.00#
139.00	12.80	51.99#
0.00	0.00	0.00

Quantitation Report (Qedit)

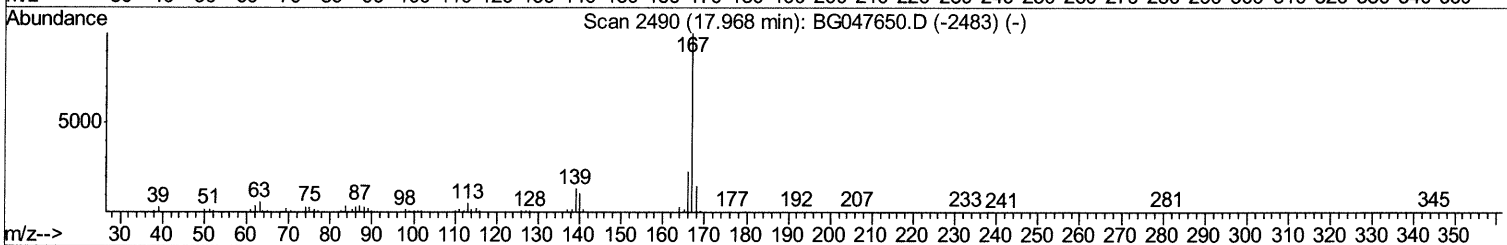
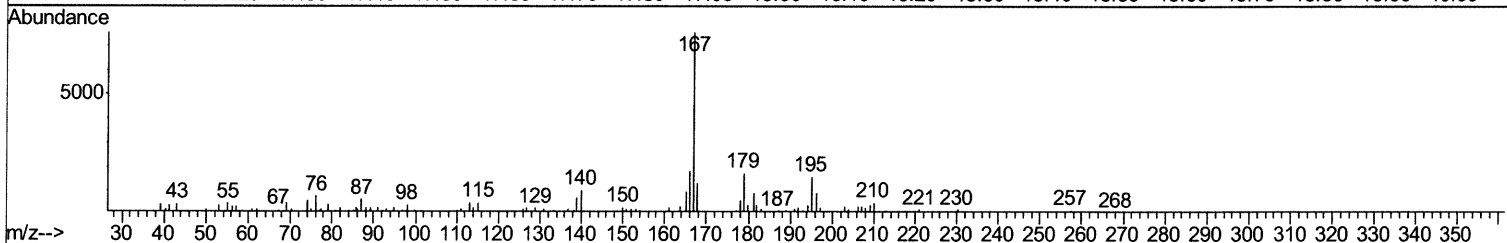
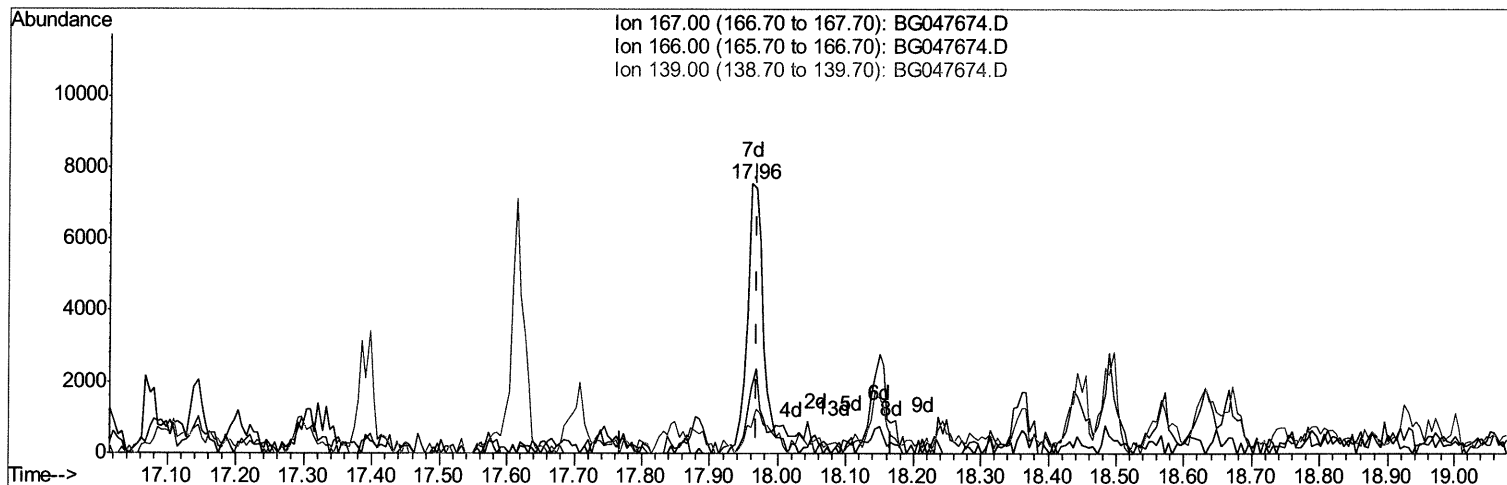
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120820\
 Data File : BG047674.D
 Acq On : 9 Dec 2020 15:15
 Operator : CG/JU
 Sample : L4862-10
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0BB5

Manual Integrations
 APPROVED

mohammad
 12/9/2020 5:40:20 PM

Quant Time: Dec 09 16:16:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 08 17:39:41 2020
 Response via : Initial Calibration



TIC: BG047674.D

(75) Carbazole

17.961min (-0.007) 1.66ng/ul m 12/10/20 JU

response 12374

Ion	Exp%	Act%
167.00	100	100
166.00	20.20	23.92
139.00	12.80	9.45#
0.00	0.00	0.00

Quantitation Report (Qedit)

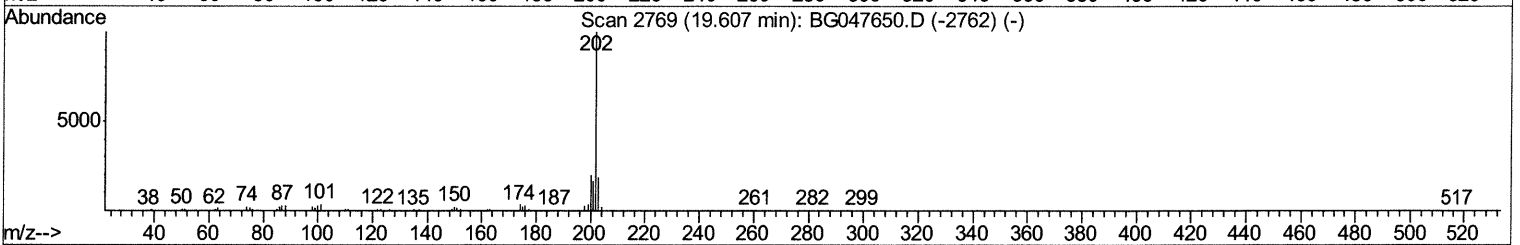
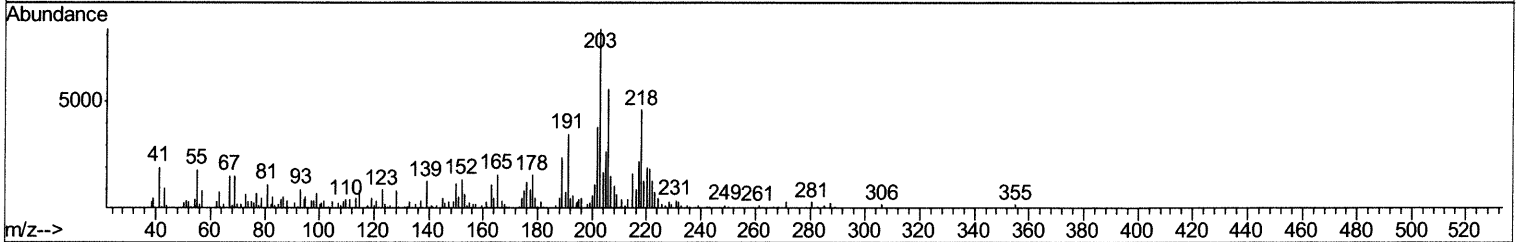
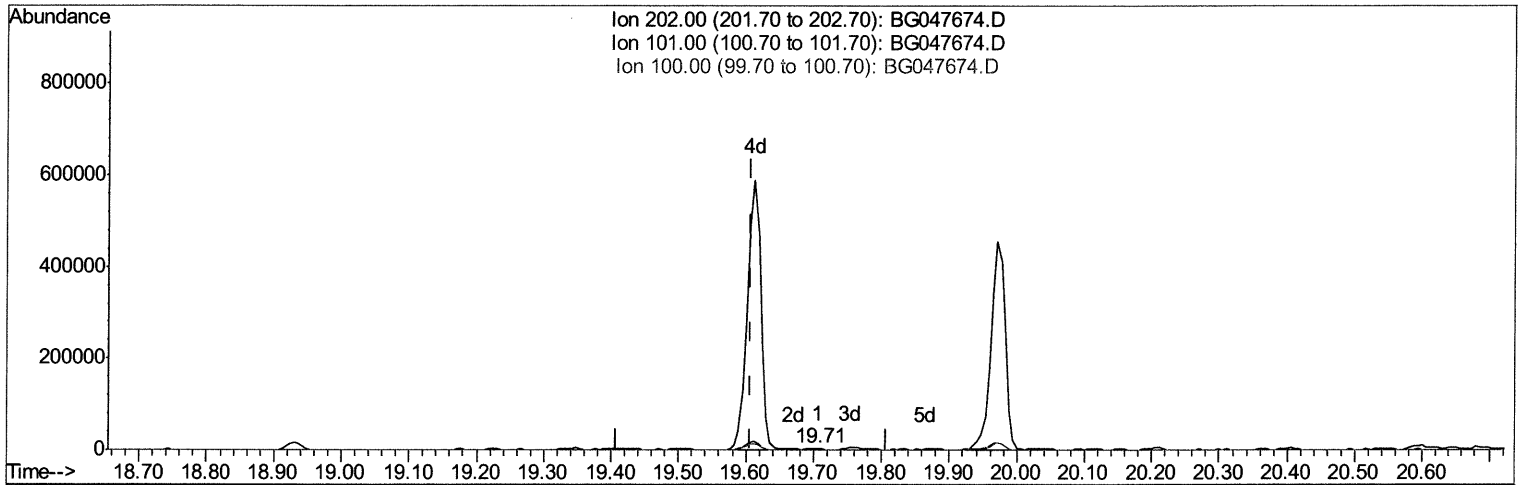
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120820\
Data File : BG047674.D
Acq On : 9 Dec 2020 15:15
Operator : CG/JU
Sample : L4862-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0BB5

Manual Integrations
APPROVED

mohammad
12/9/2020 5:40:20 PM

Quant Time: Dec 09 16:16:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
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Response via : Initial Calibration



TIC: BG047674.D

(77) Fluoranthene (C)

19.706min (+0.099) 0.36ng/ul

response 4239

Ion	Exp%	Act%
202.00	100	100
101.00	3.00	9.48#
100.00	3.20	8.70#
0.00	0.00	0.00

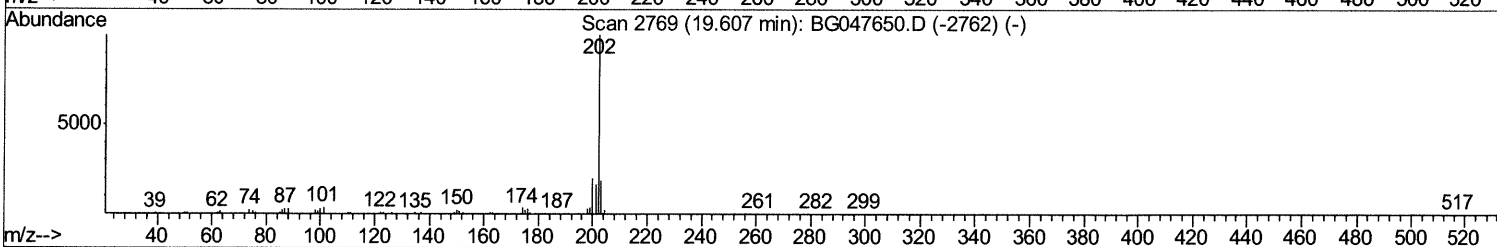
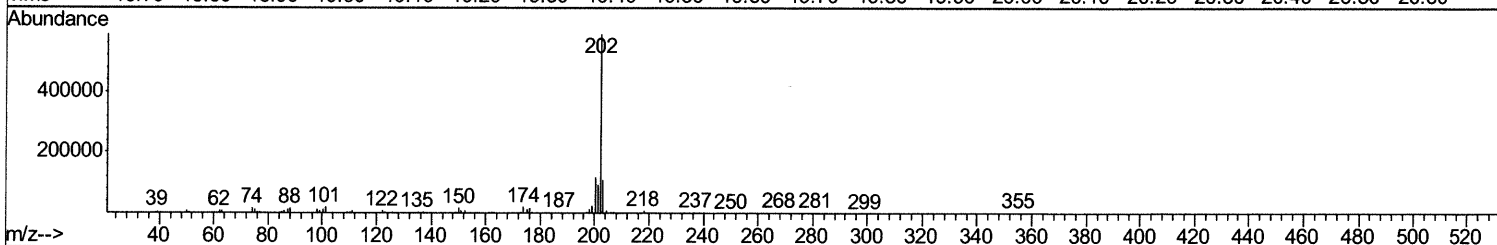
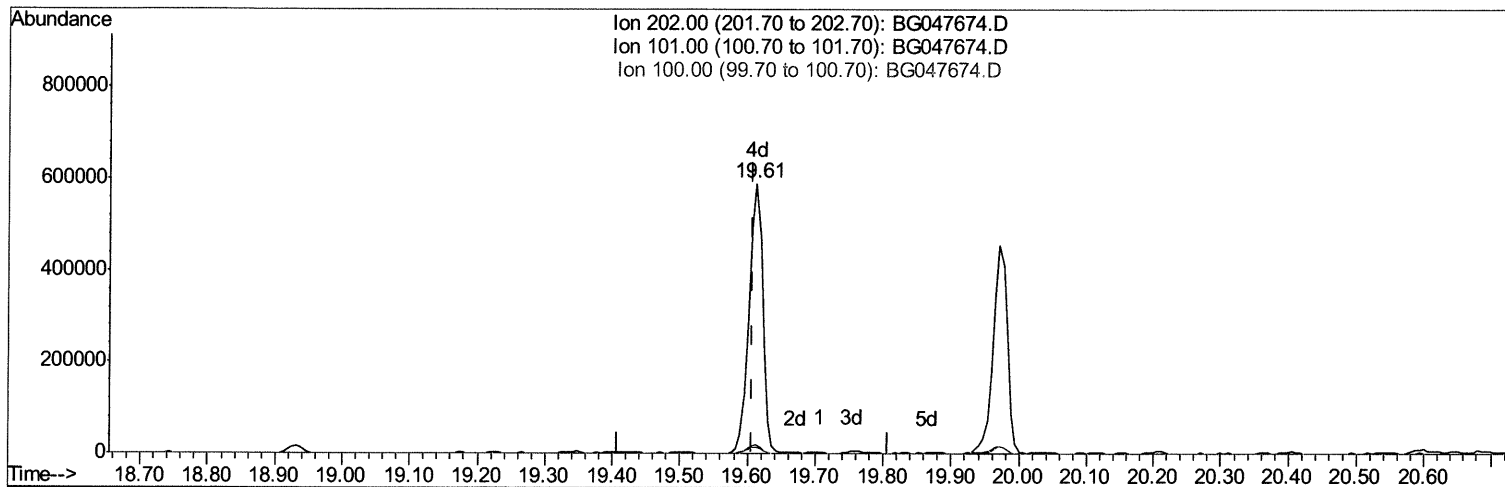
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120820\
Data File : BG047674.D
Acq On : 9 Dec 2020 15:15
Operator : CG/JU
Sample : L4862-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0BB5

Manual Integrations
APPROVED

mohammad
12/9/2020 5:40:20 PM

Quant Time: Dec 09 16:16:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration



TIC: BG047674.D

(77) Fluoranthene (C)

19.612min (+0.005) 69.46ng/ul m

12/10/20 JY

response 828432

Ion	Exp%	Act%
202.00	100	100
101.00	3.00	3.17
100.00	3.20	2.37#
0.00	0.00	0.00

Quantitation Report (Qedit)

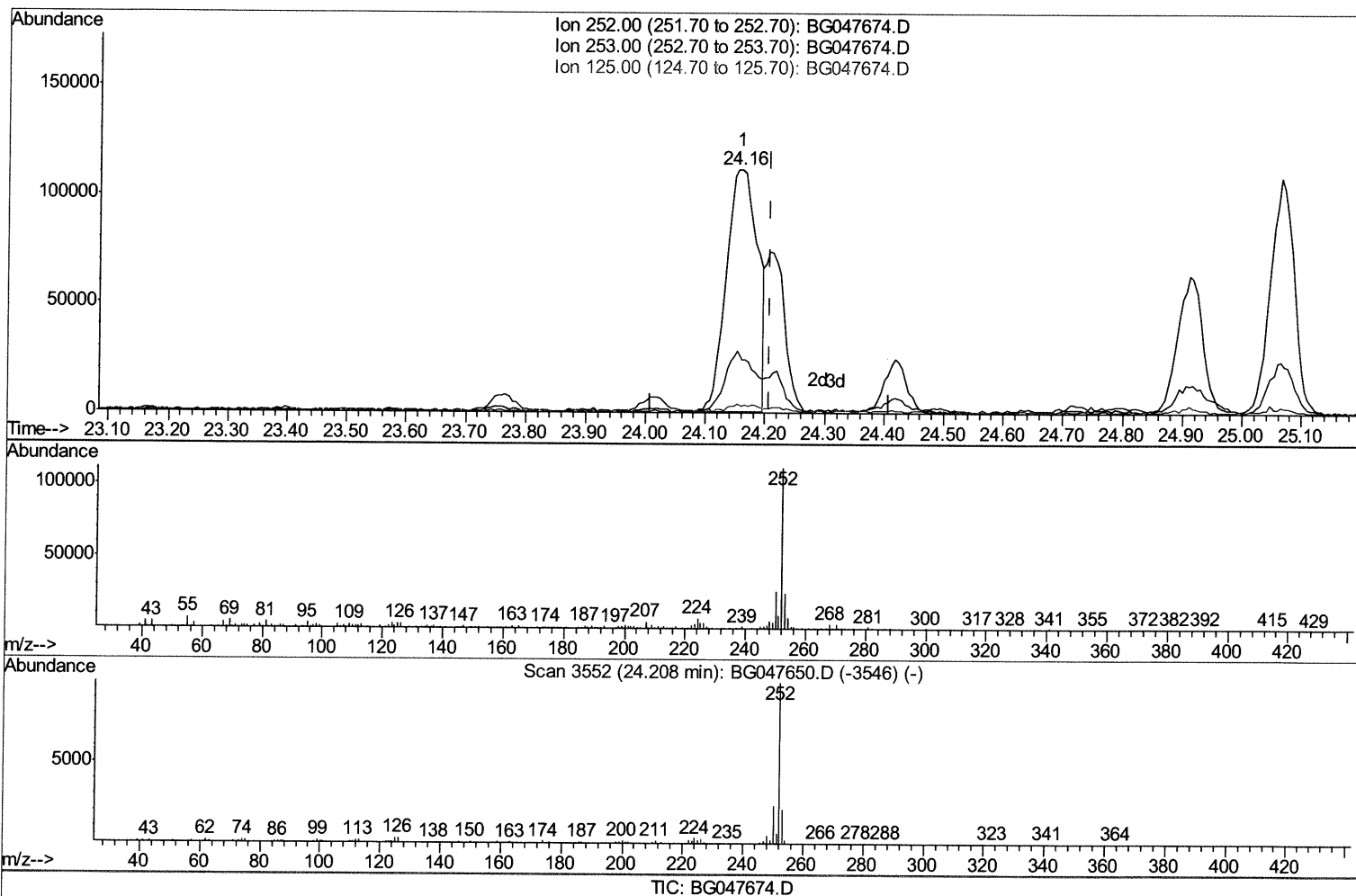
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120820\
 Data File : BG047674.D
 Acq On : 9 Dec 2020 15:15
 Operator : CG/JU
 Sample : L4862-10
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 C0BB5

Manual Integrations
 APPROVED

mohammad
 12/9/2020 5:40:20 PM

Quant Time: Dec 09 16:16:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration



(89) Benzo(k)fluoranthene

24.160min (-0.048) 34.51ng/ul

response 405106

Ion	Exp%	Act%
252.00	100	100
253.00	21.10	22.04
125.00	2.80	2.71
0.00	0.00	0.00

Quantitation Report (Qedit)

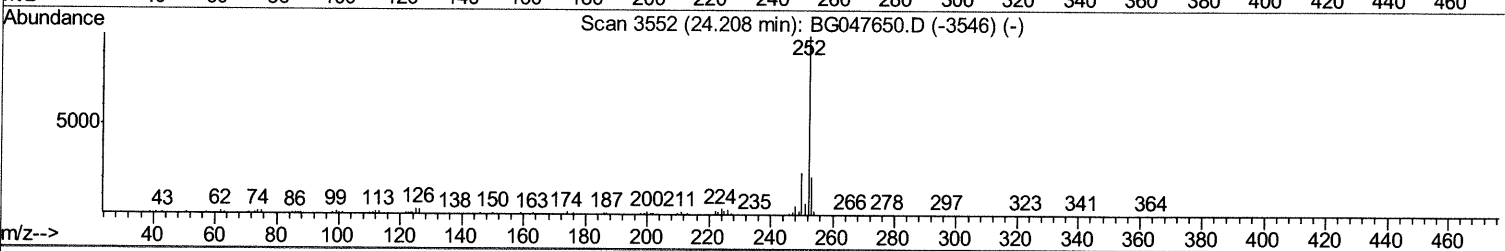
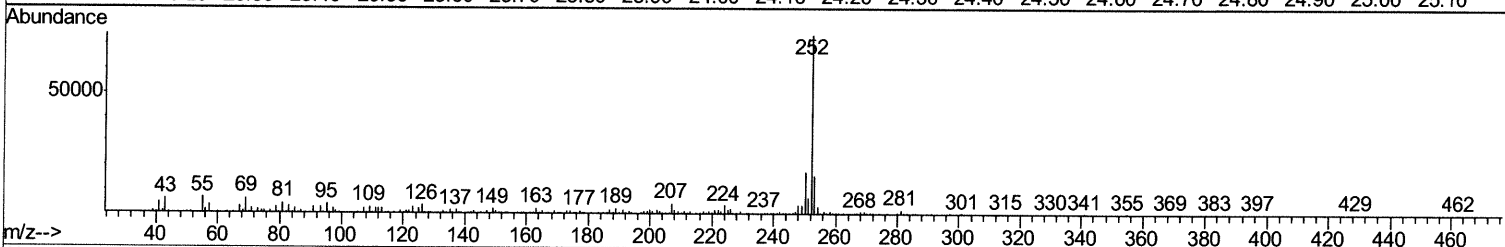
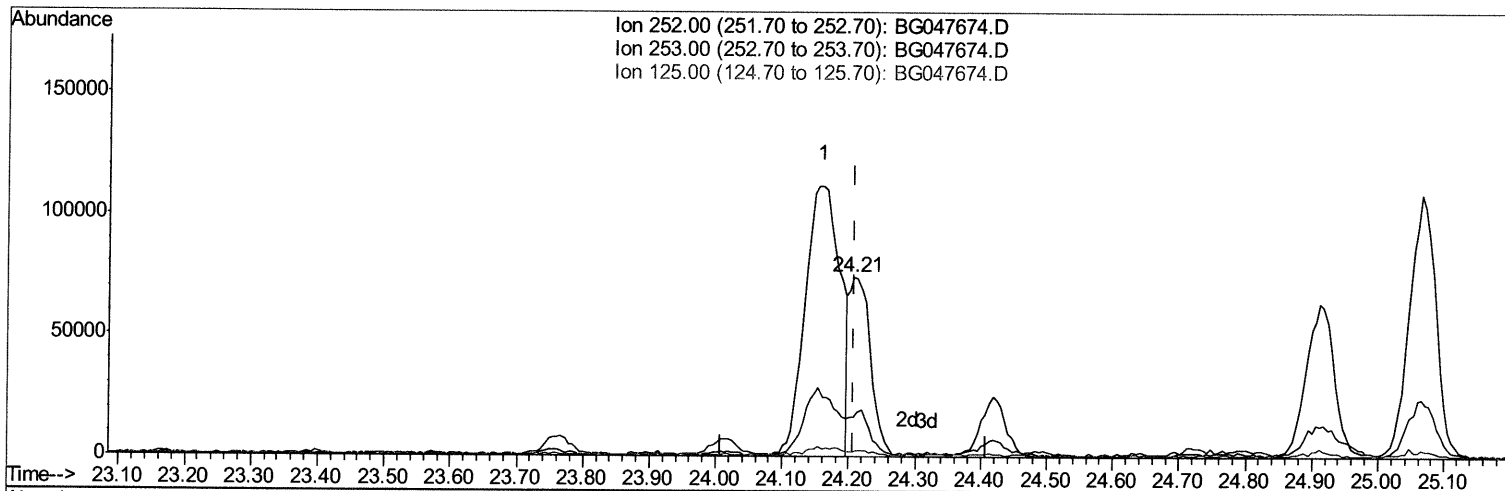
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120820\
 Data File : BG047674.D
 Acq On : 9 Dec 2020 15:15
 Operator : CG/JU
 Sample : L4862-10
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 C0BB5

Manual Integrations
 APPROVED

mohammad
 12/9/2020 5:40:20 PM

Quant Time: Dec 09 16:16:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 08 17:39:41 2020
 Response via : Initial Calibration



TIC: BG047674.D

(89) Benzo(k)fluoranthene

24.207min (-0.001) 14.08ng/ul m

12/10/20 JU

response 165221

Ion	Exp%	Act%
252.00	100	100
253.00	21.10	21.69
125.00	2.80	3.07
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120820\

Data File : BG047674.D

Acq On : 9 Dec 2020 15:15

Operator : CG/JU

Sample : L4862-10

Misc :

ALS Vial : 27 Sample Multiplier: 1

Quant Time: Dec 09 16:16:08 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\SOM-EPA-BG120720MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Dec 08 17:39:41 2020

Response via : Initial Calibration

Instrument :

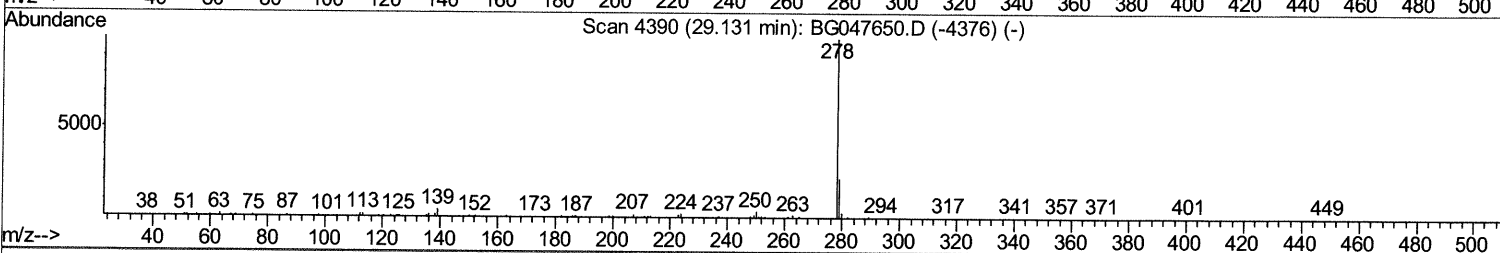
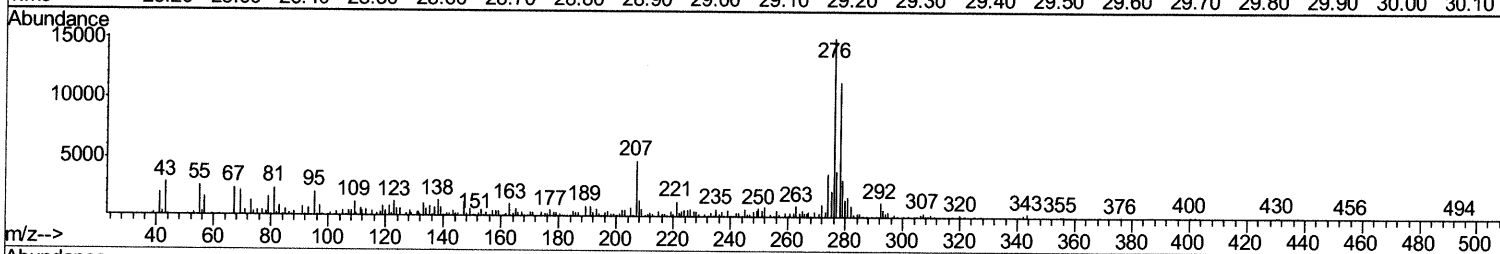
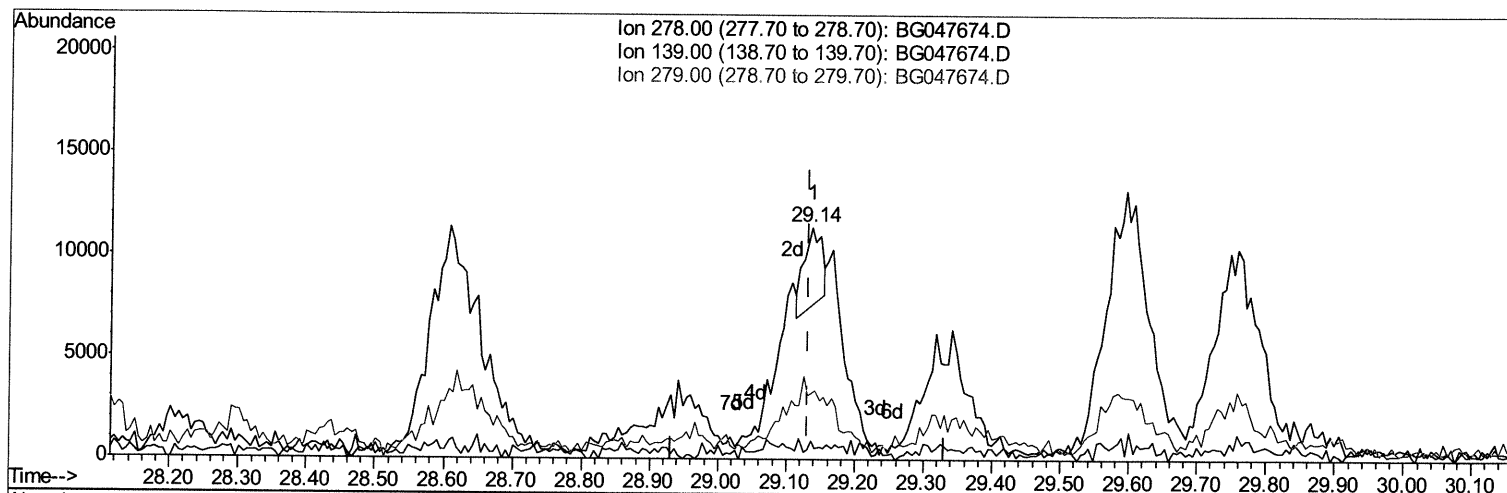
BNA G

ClientSampleId :

C0BB5

Manual Integrations
APPROVED

mohammad
12/9/2020 5:40:20 PM



TIC: BG047674.D

(93) Dibenzo(a,h)anthracene

29.136min (+0.005) 0.63ng/ul

response 6895

Ion	Exp%	Act%
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278.00	100	100
--------	-----	-----

139.00 4.10 7.86#

279.00 23.10 28.30#

0.00 0.00 0.00

Quantitation Report (Qedit)

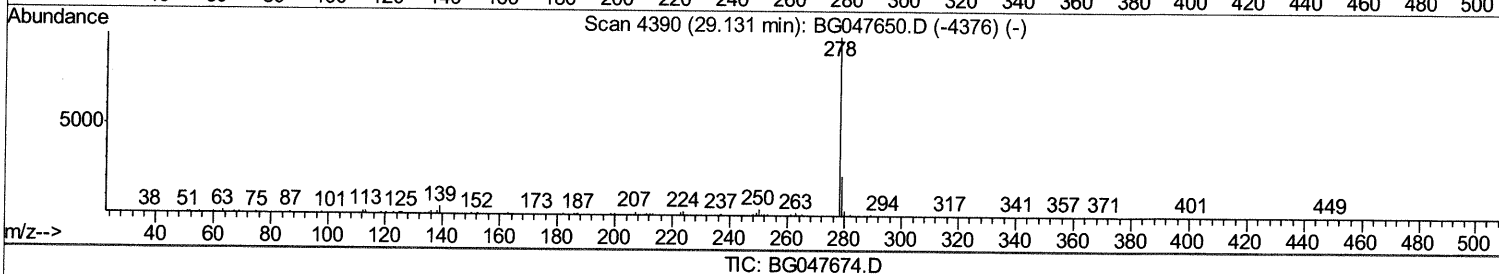
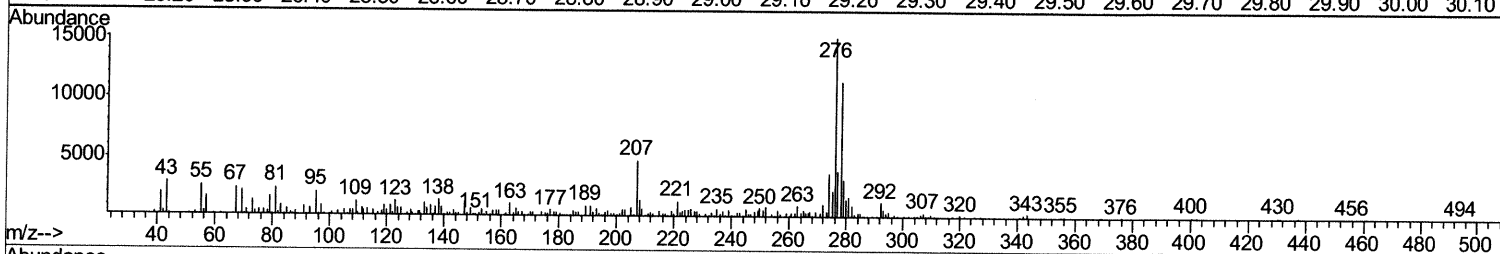
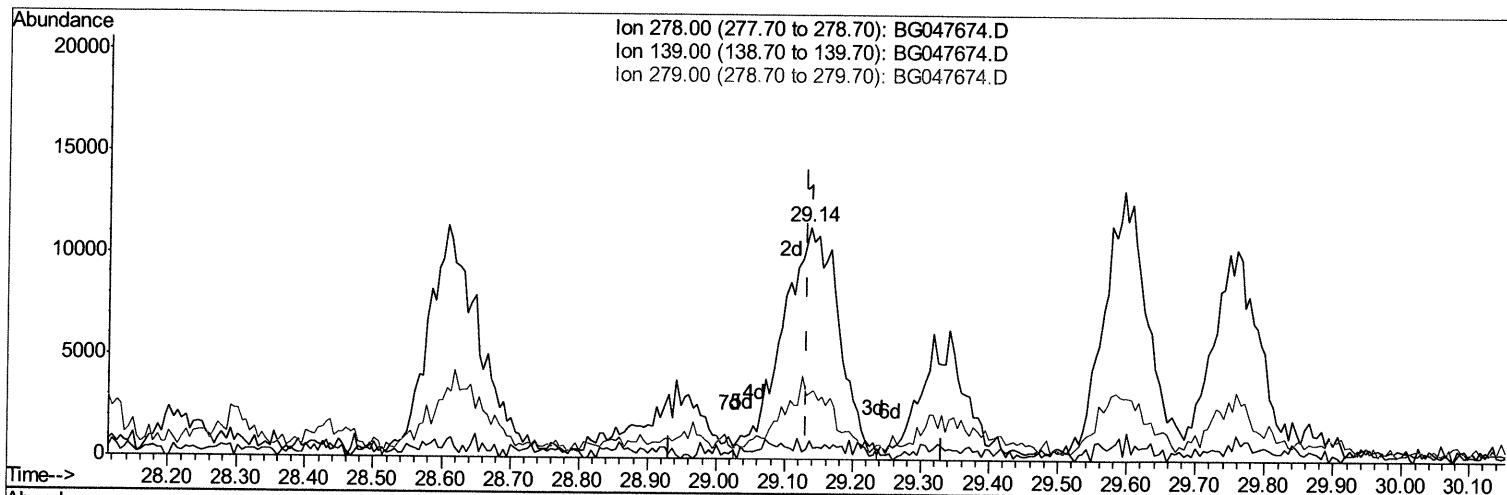
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120820\
Data File : BG047674.D
Acq On : 9 Dec 2020 15:15
Operator : CG/JU
Sample : L4862-10
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleID :
C0BB5

Manual Integrations
APPROVED

mohammad
12/9/2020 5:40:20 PM

Quant Time: Dec 09 16:16:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 08 17:39:41 2020
Response via : Initial Calibration



TIC: BG047674.D

(93) Dibenzo(a,h)anthracene

29.136min (+0.005) 6.06ng/ul m

12/10/20 JU

response 66154

Ion	Exp%	Act%
278.00	100	100
139.00	4.10	7.86#
279.00	23.10	28.30#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120820\
 Data File : BG047674.D
 Acq On : 9 Dec 2020 15:15
 Operator : CG/JU
 Sample : L4862-10
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0BB5

Manual Integrations
 APPROVED

mohammad
 12/9/2020 5:40:20 PM

Quant Time: Dec 09 16:18:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG120720MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 08 17:39:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	26734	20.00	ng/ul	0.00
18) Naphthalene-d8	11.05	136	97736	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.84	164	73152	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.57	188	172933m	20.00	ng/ul	0.00
78) Chrysene-d12	21.85	240	159522	20.00	ng/ul	0.00
86) Perylene-d12	25.22	264	169665	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	1376	2.74	ng/uL	0.00
5) Phenol-d5	7.35	99	27478	12.01	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.52	67	15053	12.80	ng/ul	0.00
9) 2-Chlorophenol-d4	7.74	132	22463	12.94	ng/ul	0.00
13) 4-Methylphenol-d8	8.91	113	19839	10.92	ng/ul	0.00
19) Nitrobenzene-d5	9.38	128	11135	13.97	ng/ul	0.00
22) 2-Nitrophenol-d4	10.11	143	13174	13.71	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.65	165	27460	13.17	ng/ul	0.00
29) 4-Chloroaniline-d4	11.17	131	4453	2.32	ng/ul	0.00
44) Dimethylphthalate-d6	14.22	166	81498	12.83	ng/ul	0.00
47) Acenaphthylene-d8	14.53	160	99446	13.70	ng/ul	0.00
52) 4-Nitrophenol-d4	15.00	143	10989	11.66	ng/ul	0.00
58) Fluorene-d10	15.82	176	79007	13.51	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.92	200	11176m	9.55	ng/ul	0.00
71) Anthracene-d10	17.67	188	116957	13.56	ng/ul	0.00
79) Pyrene-d10	19.94	212	130222	13.81	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.99	264	134799	13.60	ng/ul	0.02

Target Compounds

					Ovalue	
28) Naphthalene	11.10	128	8907	1.634	ng/ul#	88
34) 2-Methylnaphthalene	12.68	142	7328	1.745	ng/ul#	65
45) Dimethylphthalate	14.27	163	21081	3.275	ng/ul	99
50) Acenaphthene	14.90	153	10525	2.212	ng/ul	95
54) Dibenzofuran	15.22	168	20651	2.975	ng/ul	94
59) Fluorene	15.87	166	13241	2.231	ng/ul#	93
70) Phenanthrene	17.61	178	542385m	57.867	ng/ul	
72) Anthracene	17.70	178	142523m	15.255	ng/ul	
75) Carbazole	17.96	167	12374m	1.661	ng/ul	
77) Fluoranthene	19.61	202	828432m	69.464	ng/ul	
80) Pyrene	19.97	202	667299	57.516	ng/ul#	98
83) Benzo(a)anthracene	21.83	228	459409	40.310	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.72	149	9134	1.686	ng/ul#	89
85) Chrysene	21.90	228	387550	36.030	ng/ul	98
88) Benzo(b)fluoranthene	24.16	252	405106	34.204	ng/ul	97
89) Benzo(k)fluoranthene	24.21	252	165221m	14.076	ng/ul	
91) Benzo(a)pyrene	25.06	252	300850	28.168	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	29.10	276	172064	13.210	ng/ul	99
93) Dibenzo(a,h)anthracene	29.14	278	66154m	6.059	ng/ul	
94) Benzo(g,h,i)perylene	30.31	276	145482	13.605	ng/ul	100

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