

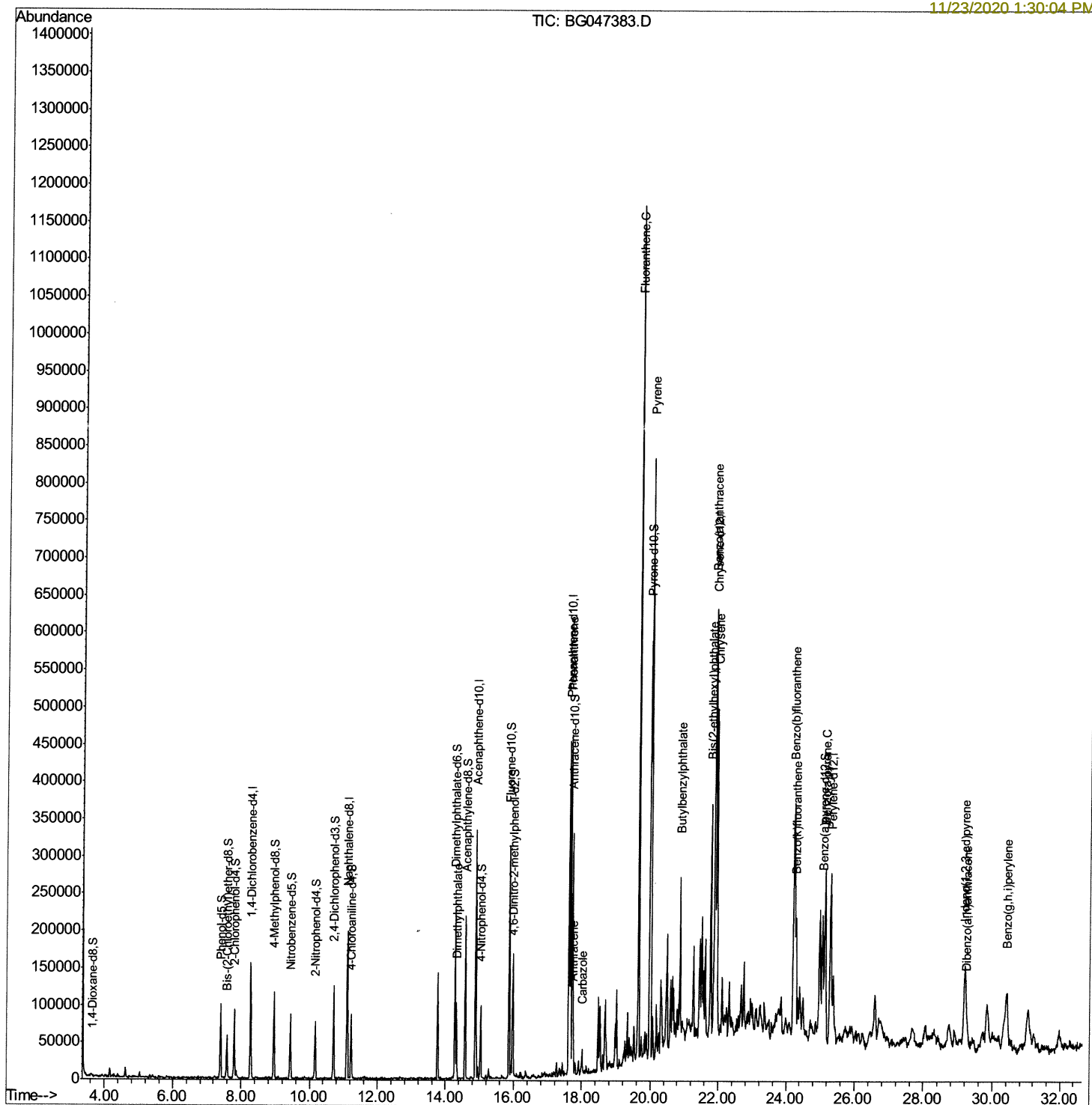
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG112020\
Data File : BG047383.D
Acq On : 20 Nov 2020 20:20
Operator : CG/JU
Sample : L4711-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0B53

Manual Integrations
APPROVED

mohammad
11/23/2020 1:30:04 PM

Quant Time: Nov 21 05:27:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 21 01:27:02 2020
Response via : Initial Calibration



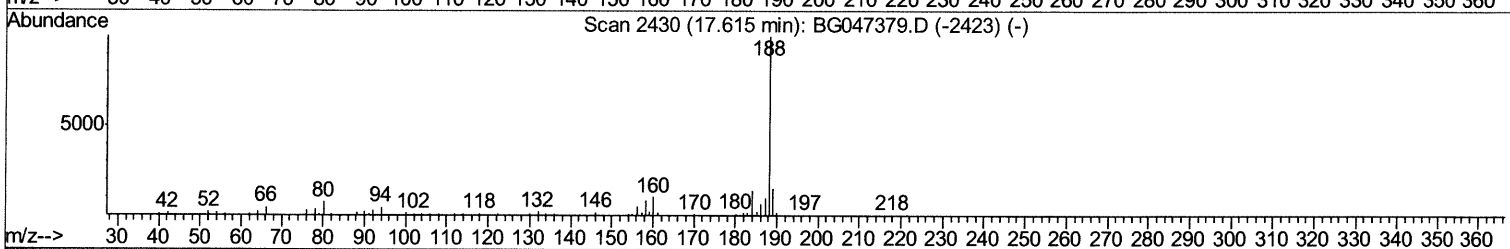
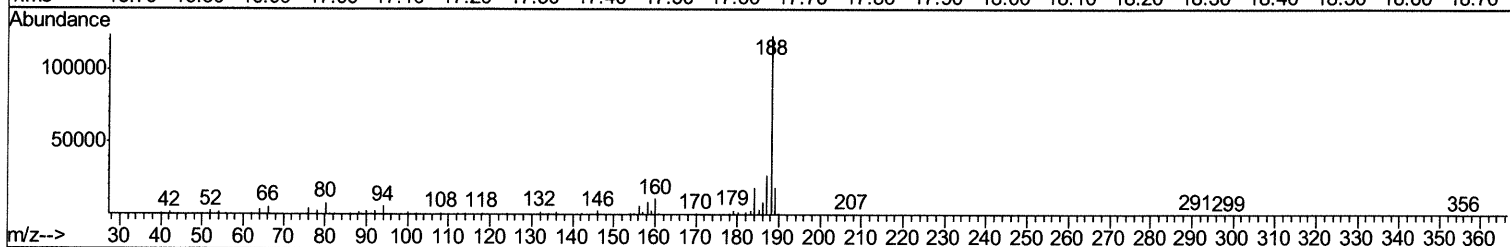
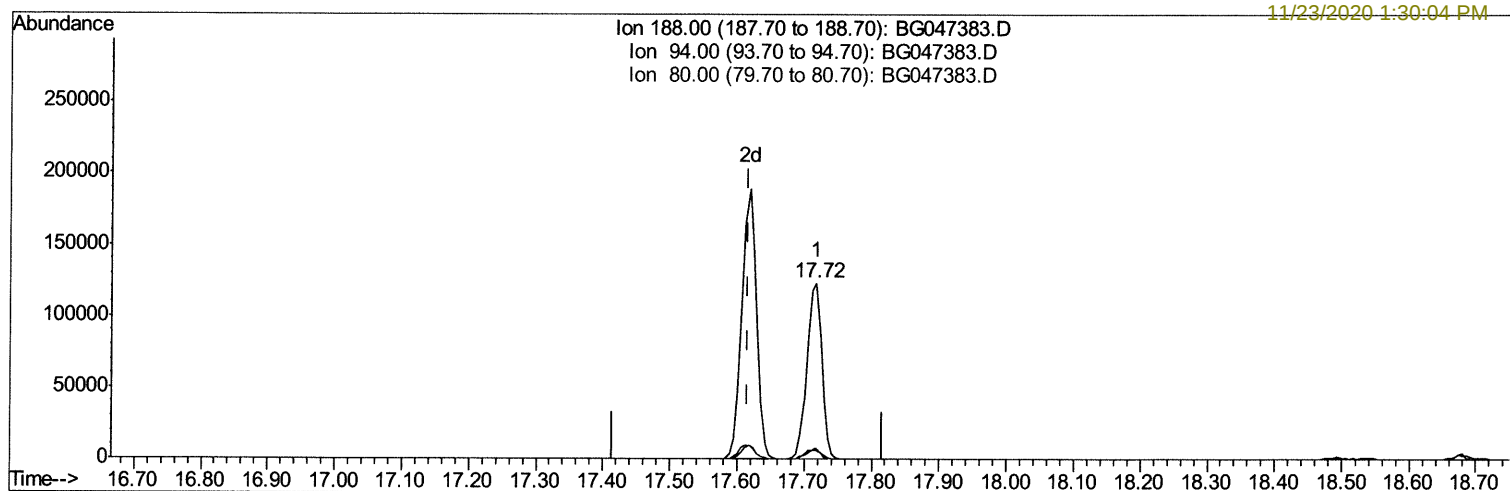
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG112020\
Data File : BG047383.D
Acq On : 20 Nov 2020 20:20
Operator : CG/JU
Sample : L4711-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0B53

Manual Integrations
APPROVED

mohammad
11/23/2020 1:30:04 PM

Quant Time: Nov 21 01:30:09 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 21 01:27:02 2020
Response via : Initial Calibration



TIC: BG047383.D

(62) Phenanthrene-d10 (I)

17.718min (+0.102) 20.00ng/ul

response 188245

Ion	Exp%	Act%
188.00	100	100
94.00	4.20	4.69
80.00	6.50	6.29
0.00	0.00	0.00

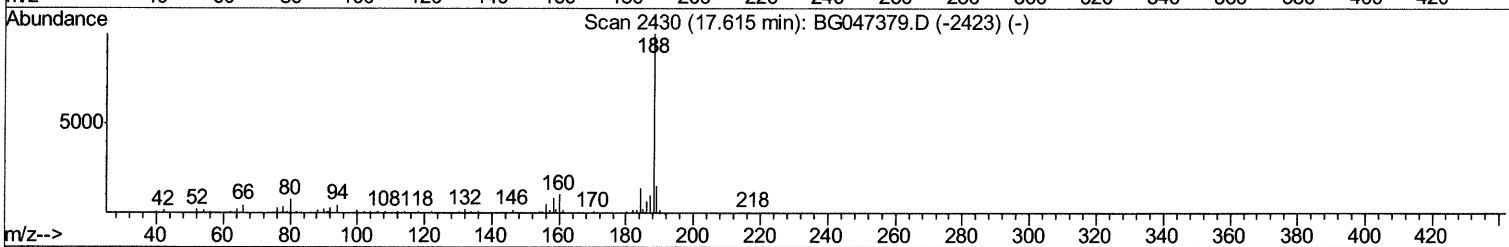
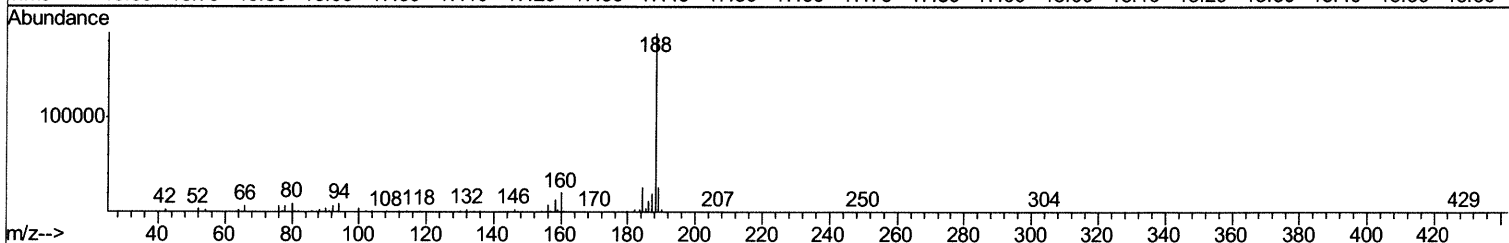
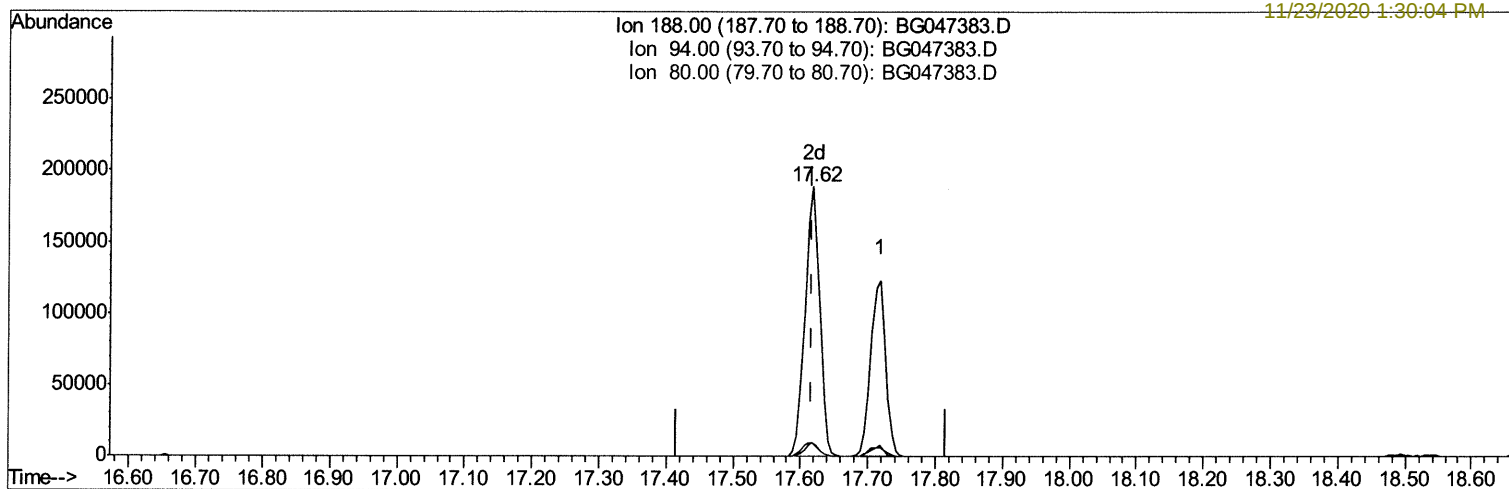
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG112020\
Data File : BG047383.D
Acq On : 20 Nov 2020 20:20
Operator : CG/JU
Sample : L4711-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0B53

Manual Integrations
APPROVED

mohammad
11/23/2020 1:30:04 PM

Quant Time: Nov 21 01:30:09 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 21 01:27:02 2020
Response via : Initial Calibration



TIC: BG047383.D

(62) Phenanthrene-d10 (I)

17.618min (+0.002) 20.00ng/ul m 11/30/20 54

response 284579

Ion	Exp%	Act%
188.00	100	100
94.00	4.20	4.84
80.00	6.50	5.03#
0.00	0.00	0.00

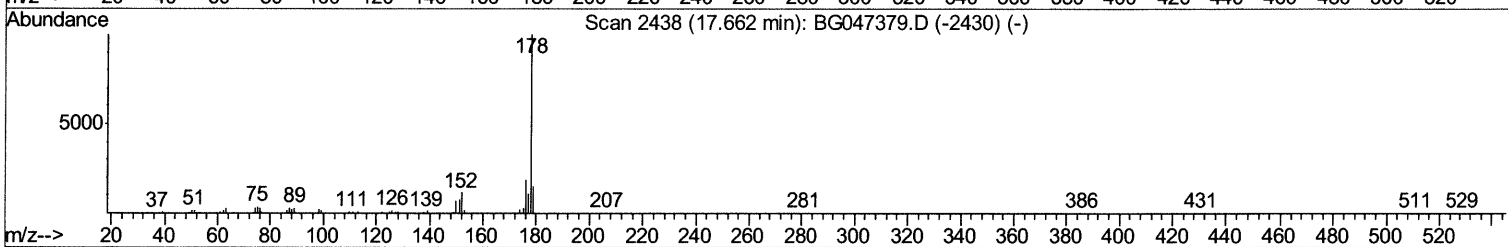
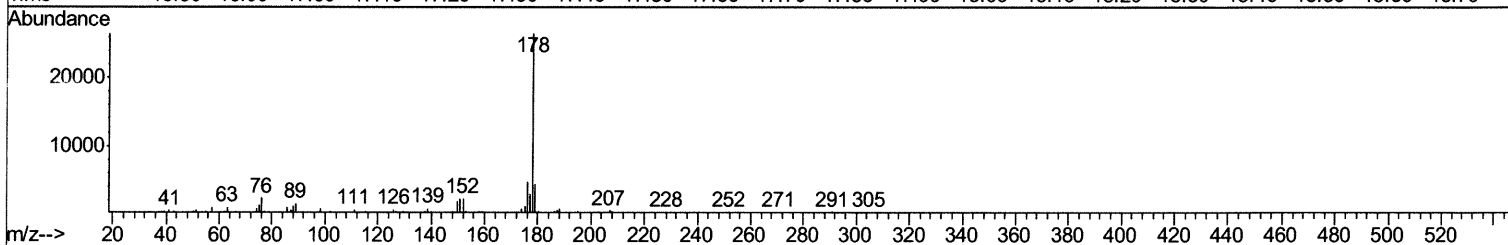
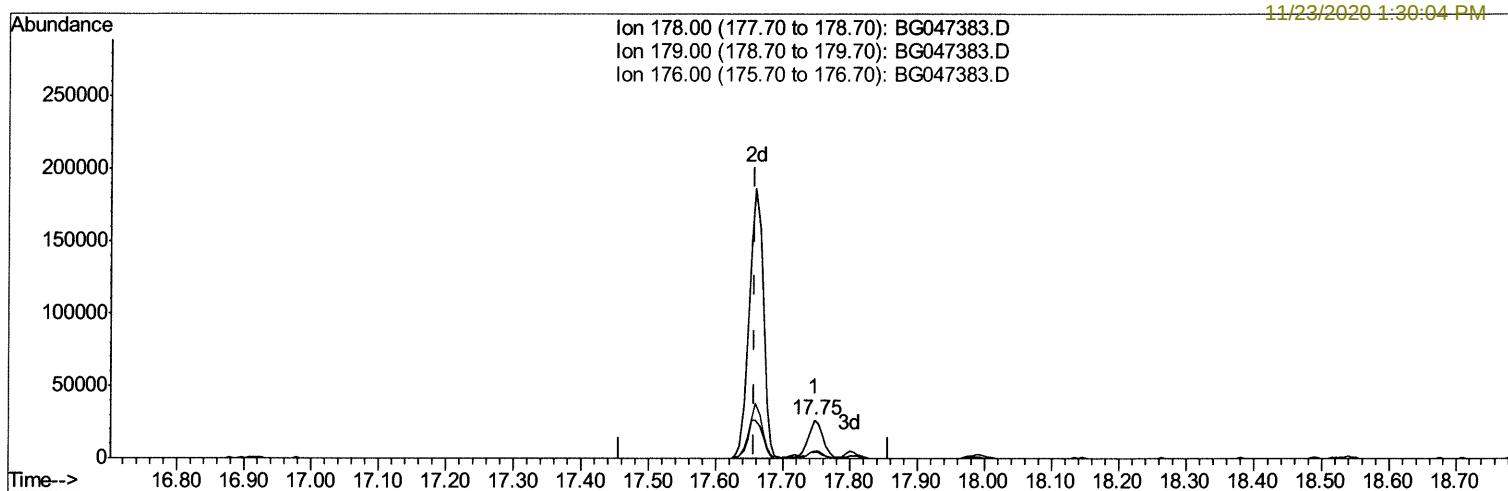
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG112020\
Data File : BG047383.D
Acq On : 20 Nov 2020 20:20
Operator : CG/JU
Sample : L4711-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0B53

Manual Integrations
APPROVED

mohammad
11/23/2020 1:30:04 PM

Quant Time: Nov 21 03:09:21 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 21 01:27:02 2020
Response via : Initial Calibration



TIC: BG047383.D

(70) Phenanthrene

17.747min (+0.090) 2.69ng/ul

response 41315

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	16.09
176.00	19.60	17.77
0.00	0.00	0.00

Quantitation Report (Qedit)

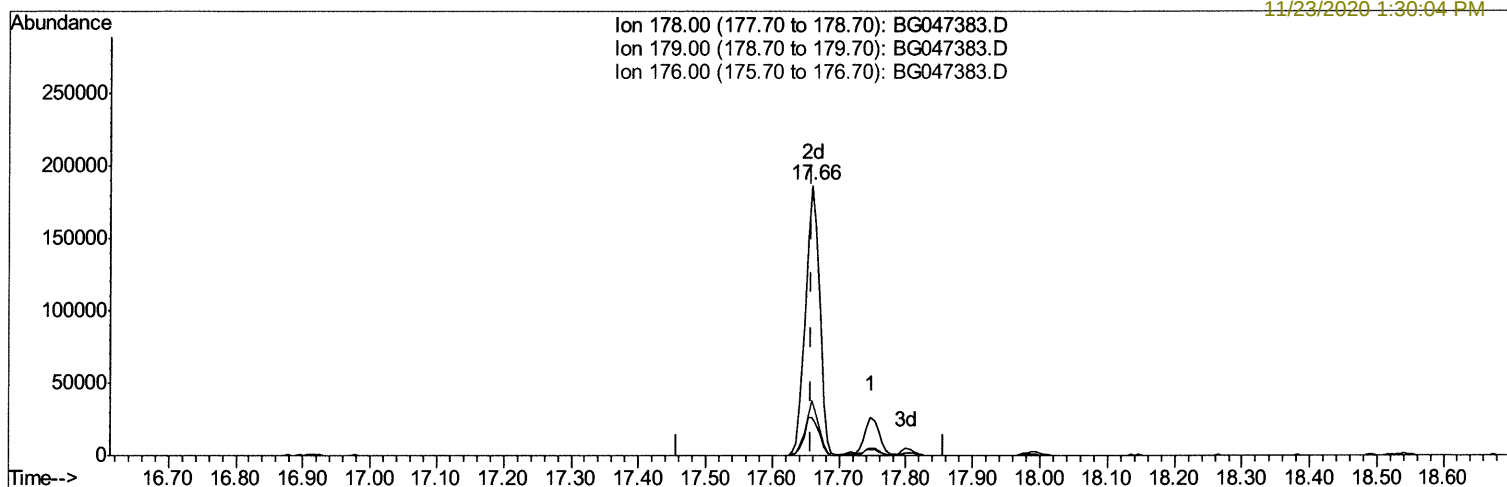
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 Data File : BG047383.D
 Acq On : 20 Nov 2020 20:20
 Operator : CG/JU
 Sample : L4711-10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B53

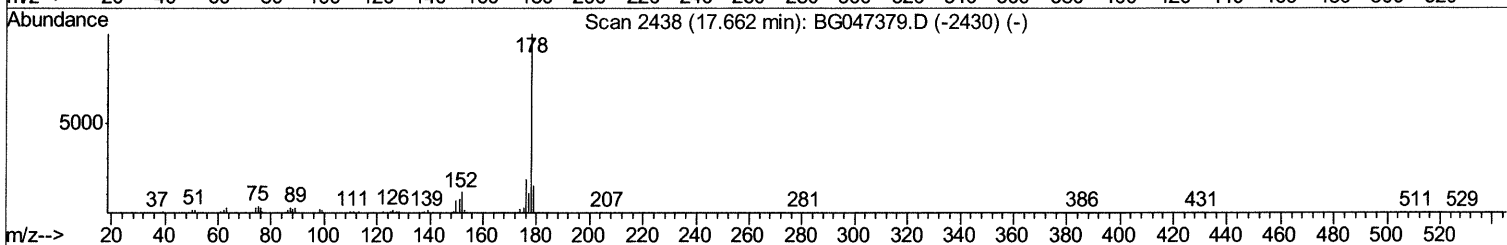
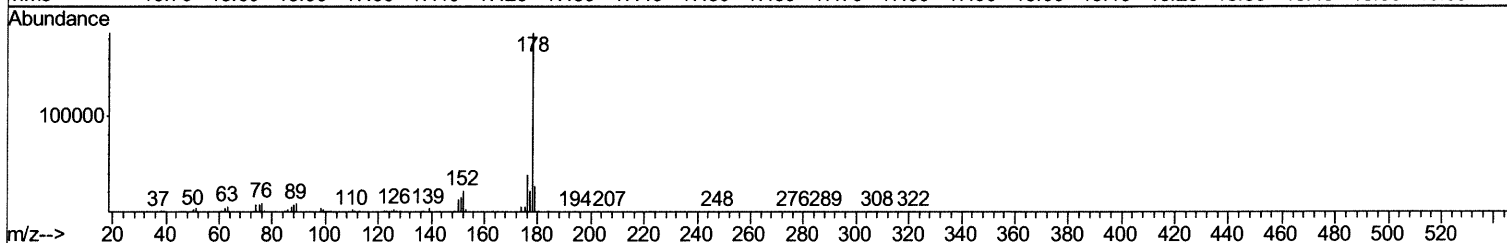
Manual Integrations
 APPROVED

mohammad
 11/23/2020 1:30:04 PM

Quant Time: Nov 21 03:09:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 21 01:27:02 2020
 Response via : Initial Calibration



11/23/2020 1:30:04 PM



TIC: BG047383.D

(70) Phenanthrene

17.659min (+0.002) 17.88ng/ul m 11/30/2024

response 274797

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	14.29
176.00	19.60	20.63
0.00	0.00	0.00

Quantitation Report (Qedit)

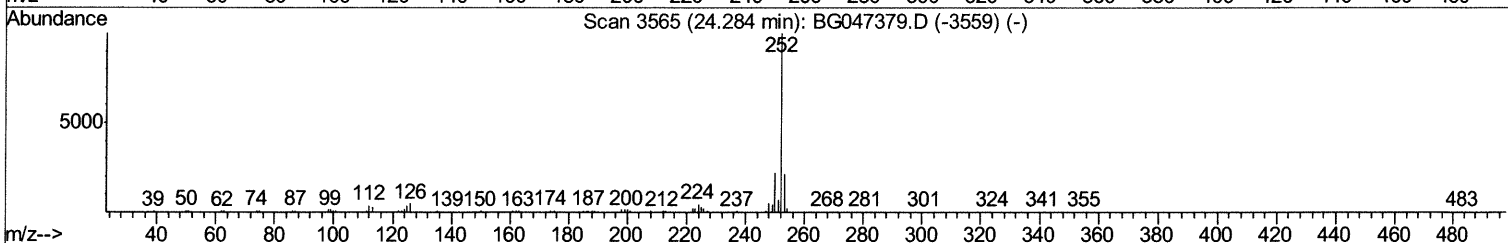
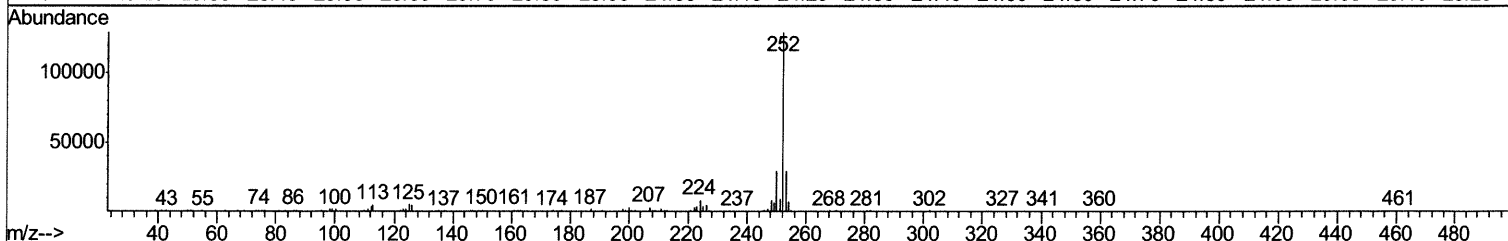
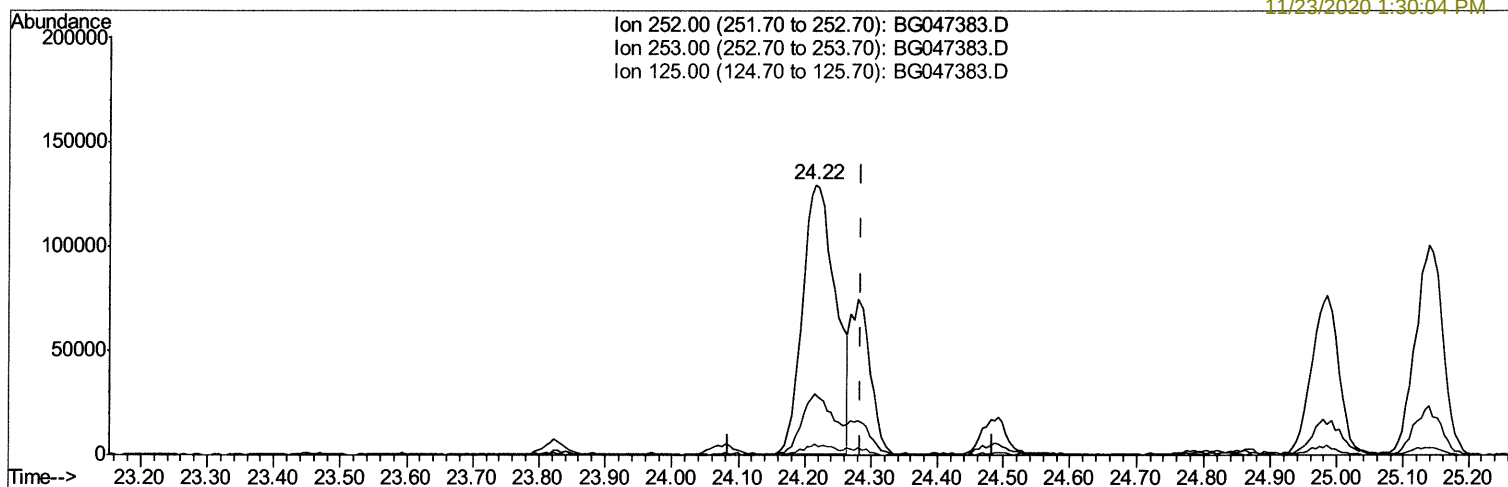
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG112020\
 Data File : BG047383.D
 Acq On : 20 Nov 2020 20:20
 Operator : CG/JU
 Sample : L4711-10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B53

Manual Integrations
 APPROVED

mohammad
 11/23/2020 1:30:04 PM

Quant Time: Nov 21 03:09:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 21 01:27:02 2020
 Response via : Initial Calibration



TIC: BG047383.D

(89) Benzo(k)fluoranthene
 24.216min (-0.069) 24.54ng/ul
 response 448695

Ion	Exp%	Act%
252.00	100	100
253.00	20.90	22.85
125.00	3.20	4.13#
0.00	0.00	0.00

Quantitation Report (Qedit)

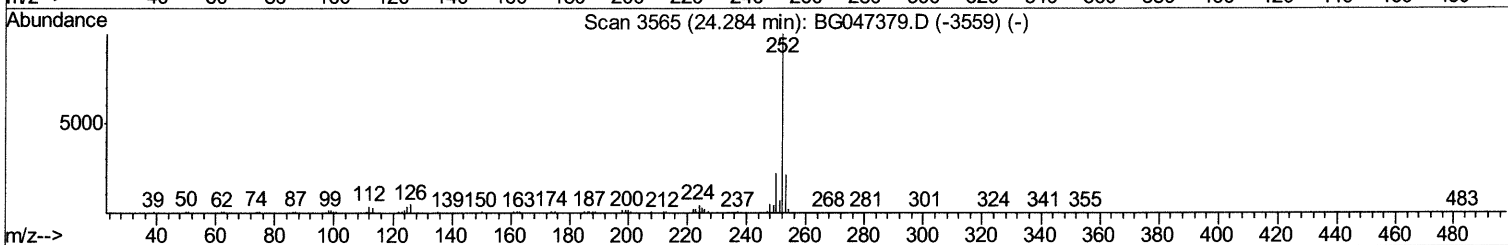
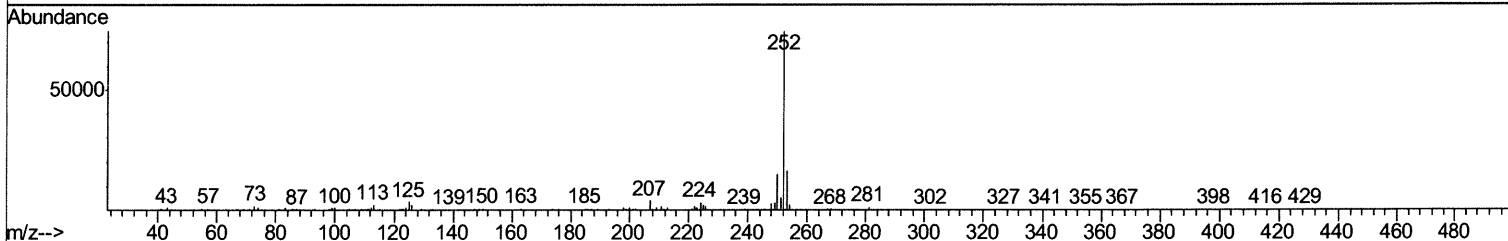
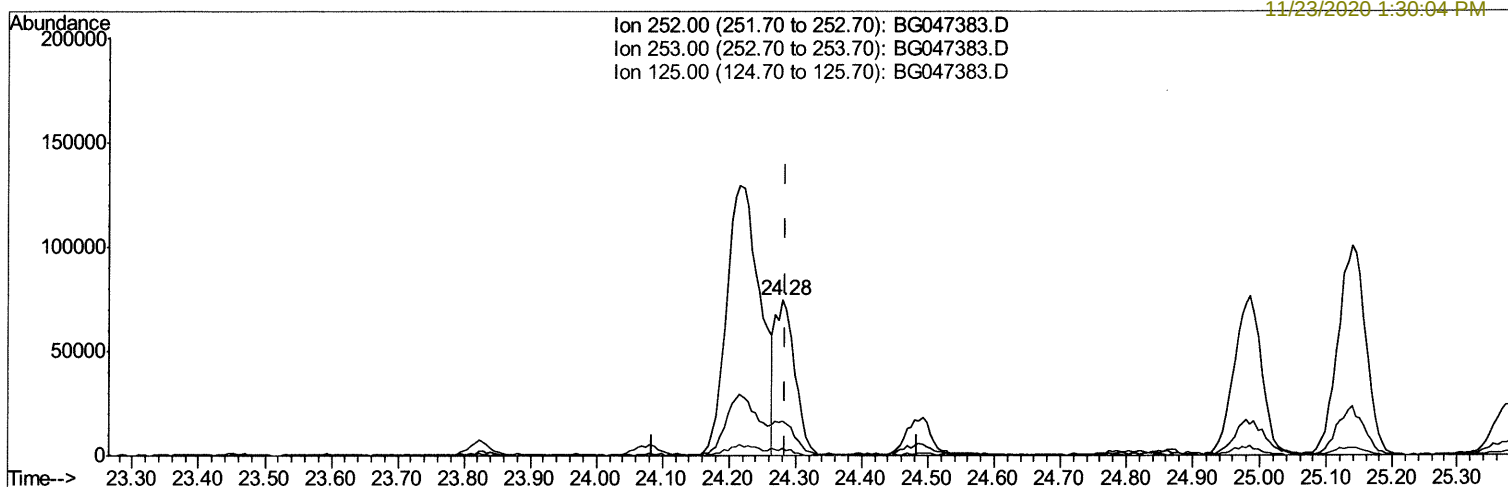
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG112020\
 Data File : BG047383.D
 Acq On : 20 Nov 2020 20:20
 Operator : CG/JU
 Sample : L4711-10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B53

Manual Integrations
 APPROVED

mohammad
 11/23/2020 1:30:04 PM

Quant Time: Nov 21 03:09:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 21 01:27:02 2020
 Response via : Initial Calibration



TIC: BG047383.D

(89) Benzo(k)fluoranthene

24.280min (-0.004) 8.40ng/ul m 11/30/2020

response 153630

Ion	Exp%	Act%
252.00	100	100
253.00	20.90	21.92
125.00	3.20	4.93#
0.00	0.00	0.00

Quantitation Report (Qedit)

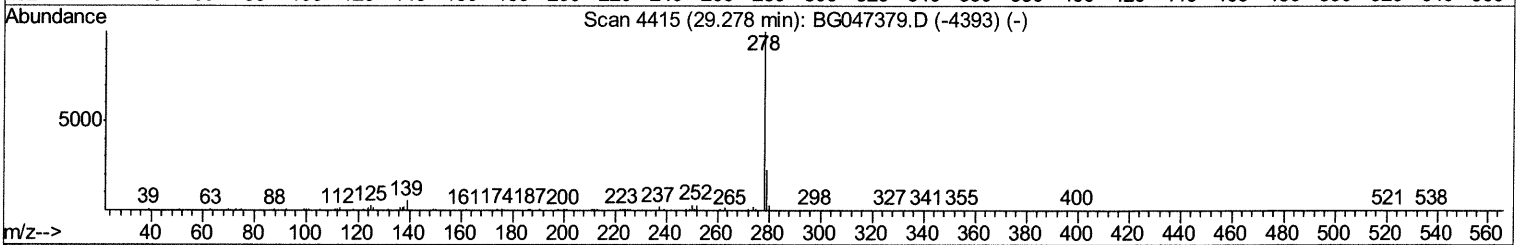
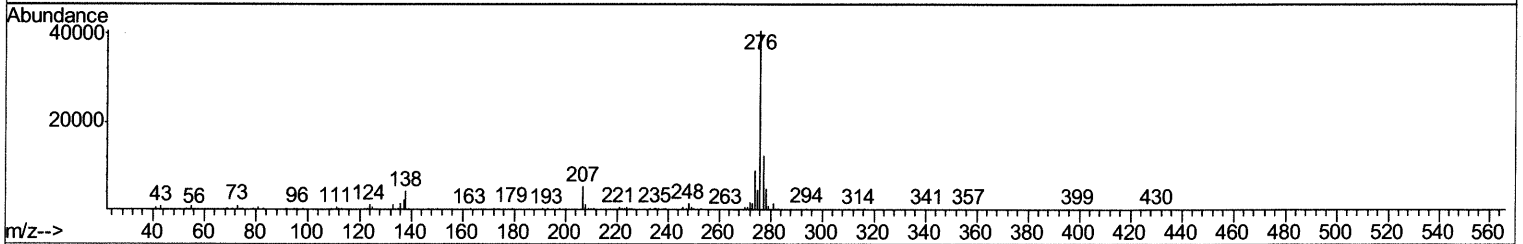
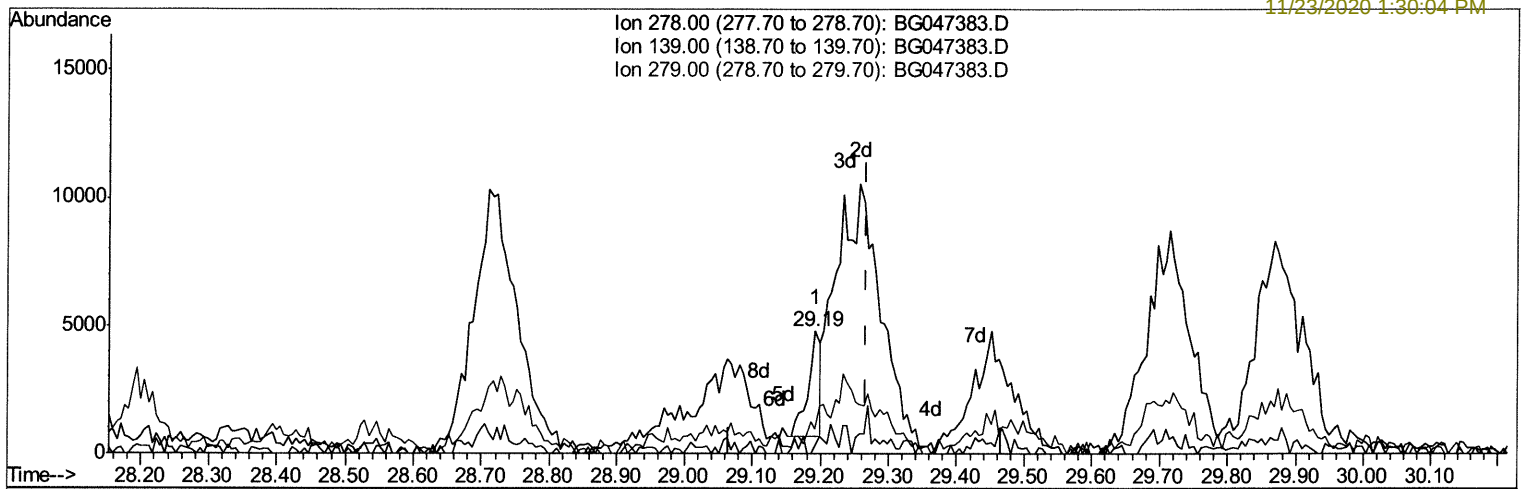
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG112020\
 Data File : BG047383.D
 Acq On : 20 Nov 2020 20:20
 Operator : CG/JU
 Sample : L4711-10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
ClientSampleId :
 C0B53

Manual Integrations
APPROVED

mohammad
 11/23/2020 1:30:04 PM

Quant Time: Nov 21 03:09:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 21 01:27:02 2020
 Response via : Initial Calibration



TIC: BG047383.D

(93) Dibenzo(a,h)anthracene

29.192min (-0.075) 0.31ng/ul

response 5045

Ion	Exp%	Act%
278.00	100	100
139.00	7.20	6.53
279.00	25.00	20.32
0.00	0.00	0.00

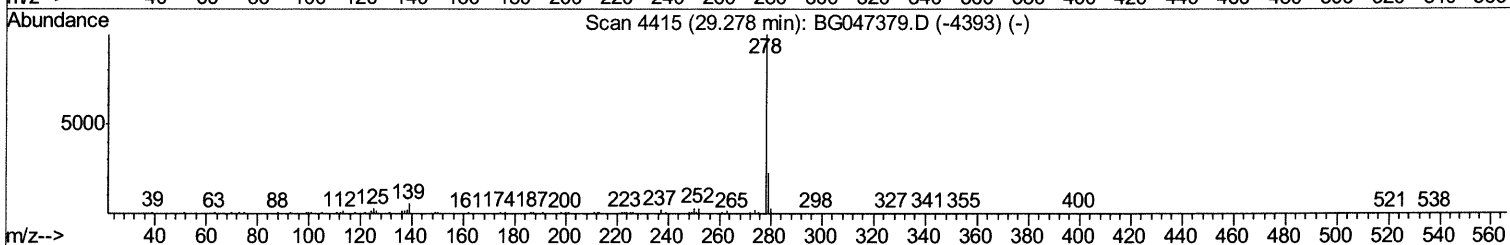
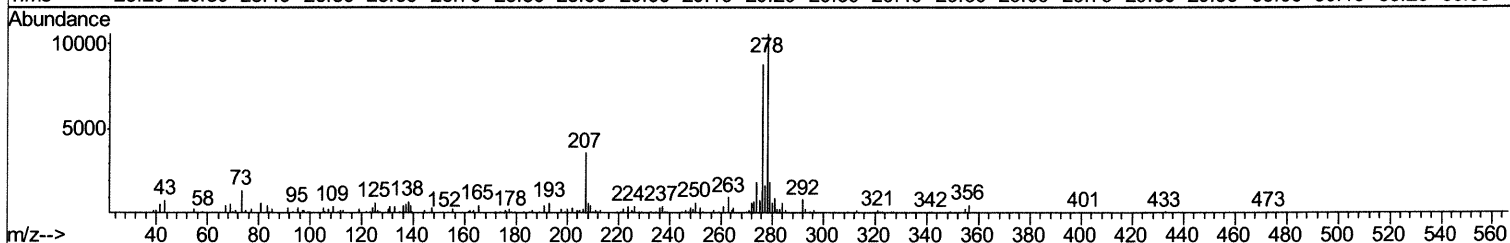
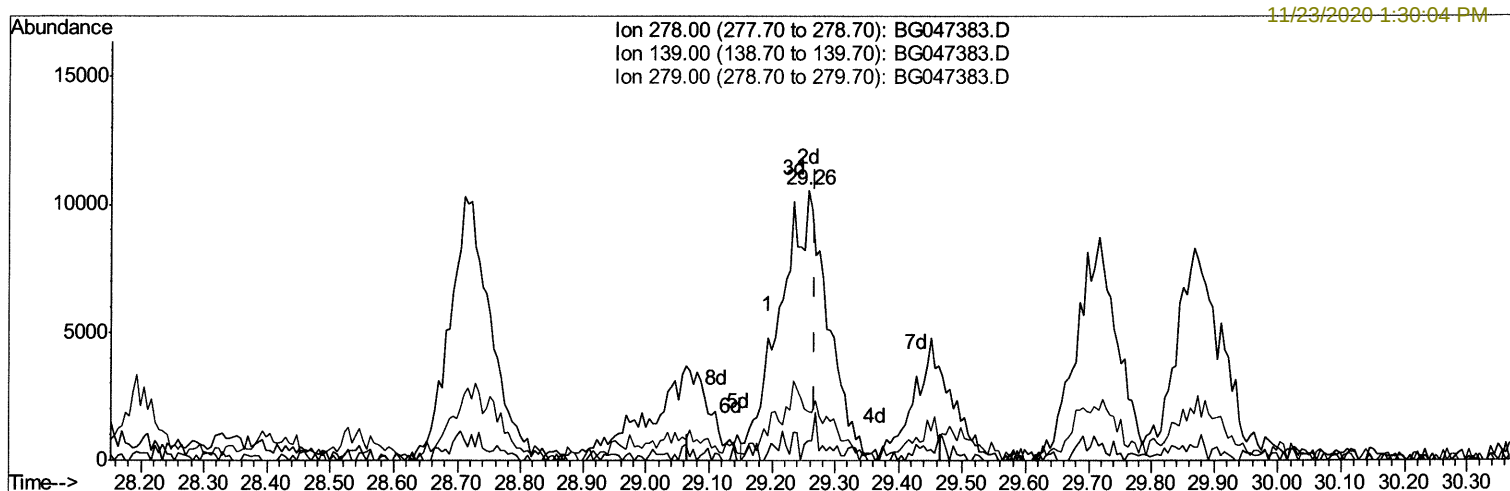
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG112020\
Data File : BG047383.D
Acq On : 20 Nov 2020 20:20
Operator : CG/JU
Sample : L4711-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0B53

Manual Integrations
APPROVED

mohammad
11/23/2020 1:30:04 PM

Quant Time: Nov 21 03:09:21 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 21 01:27:02 2020
Response via : Initial Calibration



TIC: BG047383.D

(93) Dibenzo(a,h)anthracene

29.257min (-0.010) 3.42ng/ul m 11/30/20 JU

response 56473

Ion	Exp%	Act%
278.00	100	100
139.00	7.20	5.50#
279.00	25.00	18.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

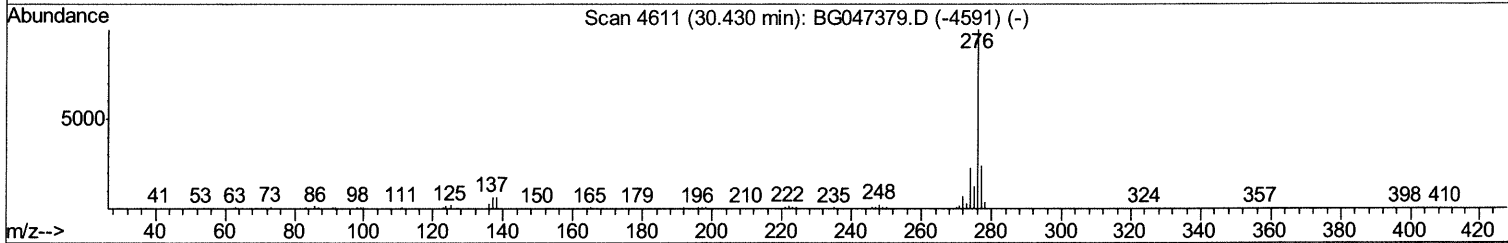
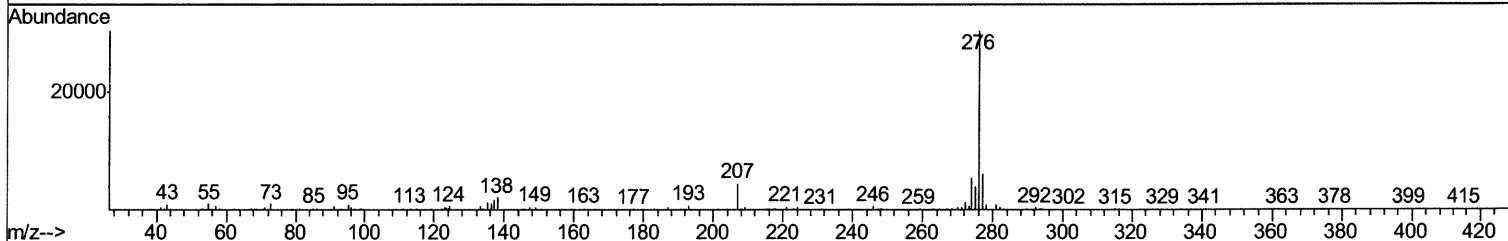
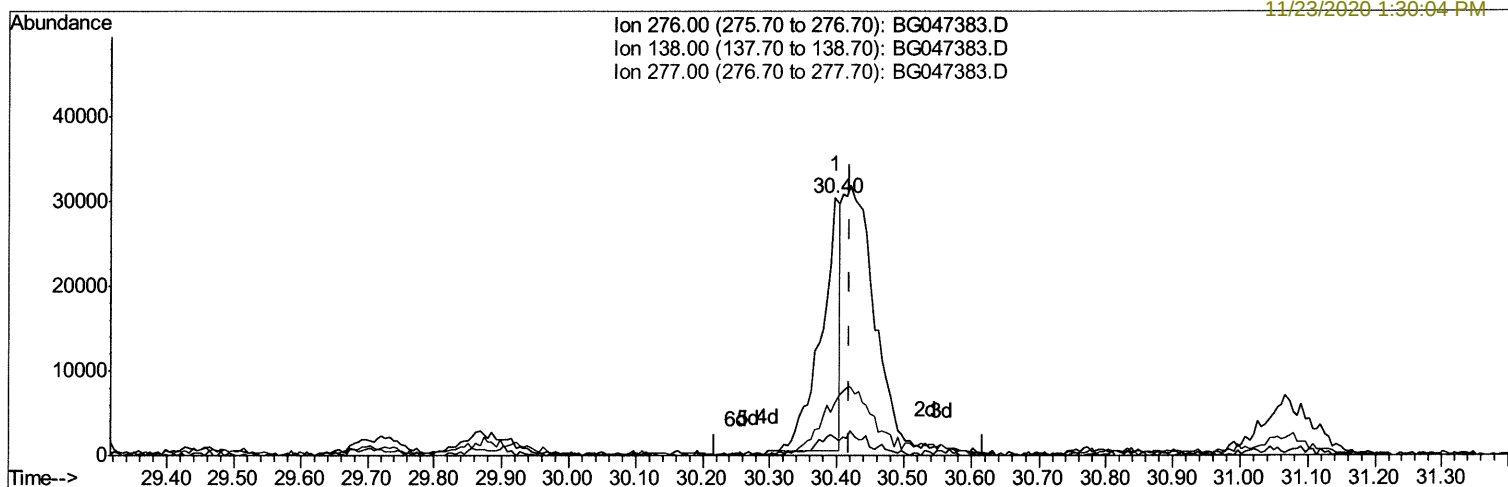
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 Data File : BG047383.D
 Acq On : 20 Nov 2020 20:20
 Operator : CG/JU
 Sample : L4711-10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B53

Manual Integrations
 APPROVED

mohammad
 11/23/2020 1:30:04 PM

Quant Time: Nov 21 03:09:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
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TIC: BG047383.D

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

30.397min (-0.022) 3.49ng/ul

response 57917

Ion	Exp%	Act%
276.00	100	100
138.00	10.20	7.04#
277.00	21.90	20.21
0.00	0.00	0.00

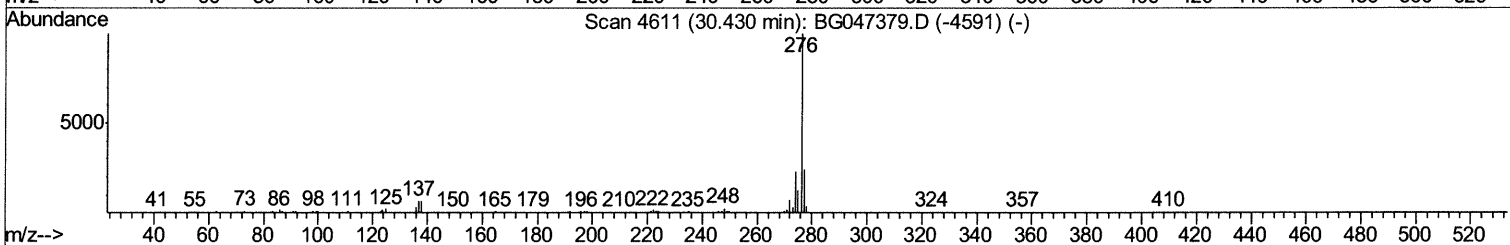
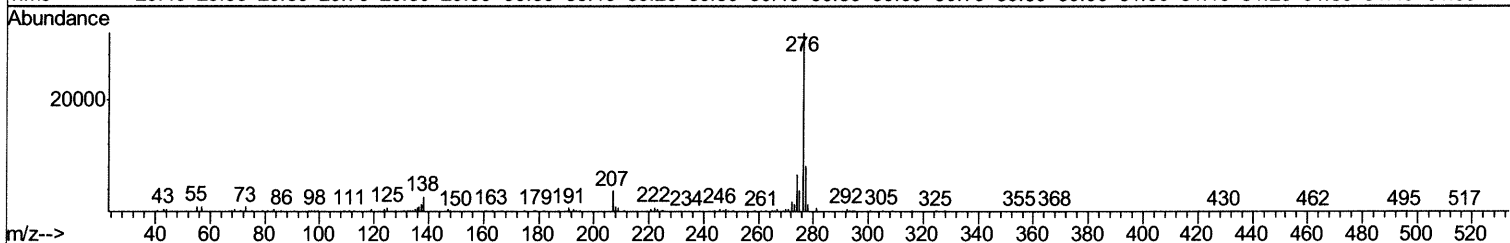
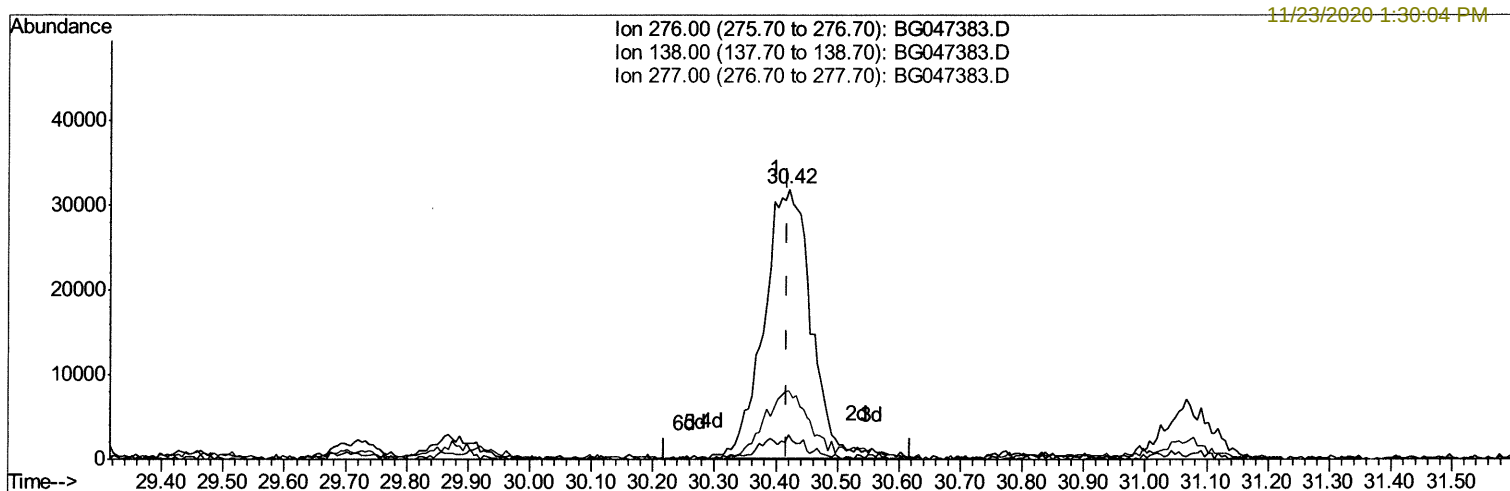
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG112020\
Data File : BG047383.D
Acq On : 20 Nov 2020 20:20
Operator : CG/JU
Sample : L4711-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0B53

Manual Integrations
APPROVED

mohammad
11/23/2020 1:30:04 PM

Quant Time: Nov 21 03:09:21 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
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TIC: BG047383.D

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

30.420min (+0.002) 10.09ng/ul m 11/30/2024

response 167569

Ion	Exp%	Act%
276.00	100	100
138.00	10.20	8.93
277.00	21.90	25.59
0.00	0.00	0.00

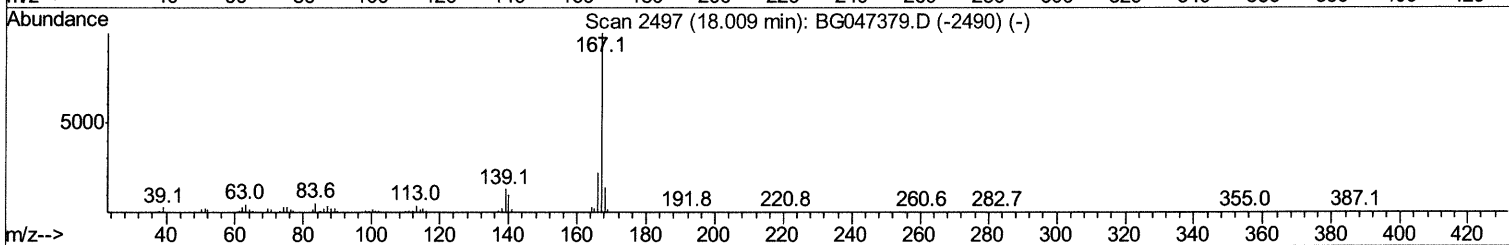
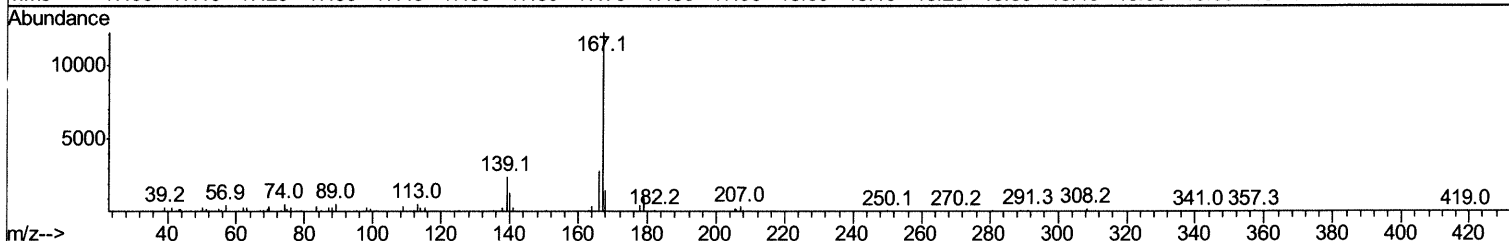
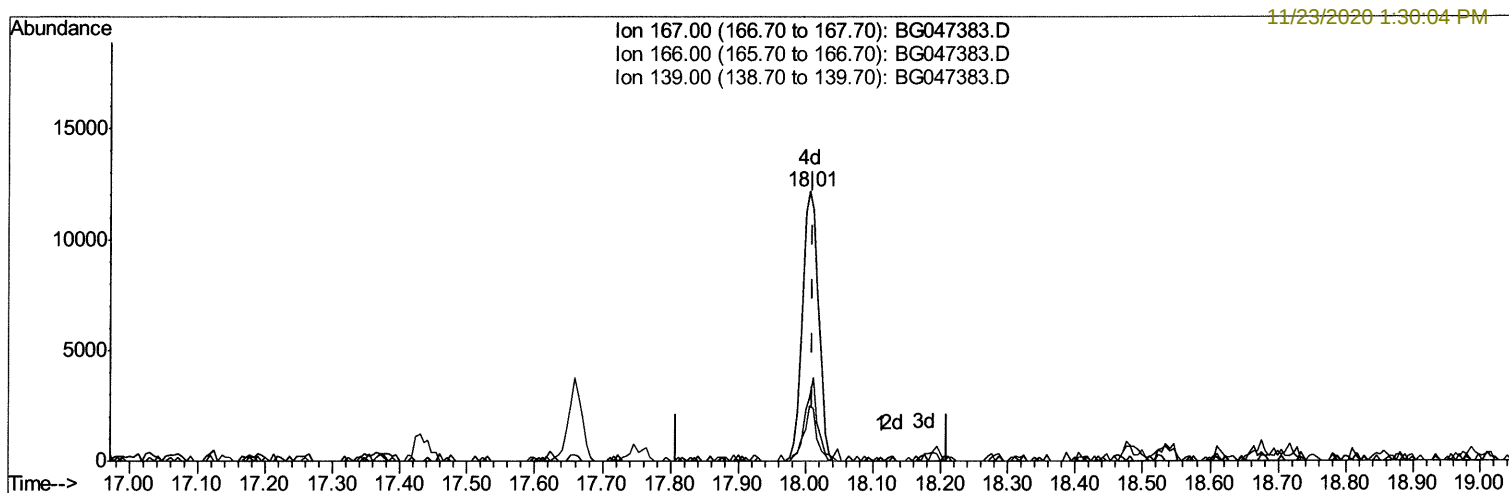
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG112020\
Data File : BG047383.D
Acq On : 20 Nov 2020 20:20
Operator : CG/JU
Sample : L4711-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0B53

Manual Integrations
APPROVED

mohammad
11/23/2020 1:30:04 PM

Quant Time: Nov 21 03:13:06 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 21 01:27:02 2020
Response via : Initial Calibration



TIC: BG047383.D

(75) Carbazole

18.005min (-0.004) 1.61ng/ul m 11/30/20 JU

response 20090

Ion	Exp%	Act%
167.00	100	100
166.00	22.20	23.80
139.00	12.40	20.32#
0.00	0.00	0.00

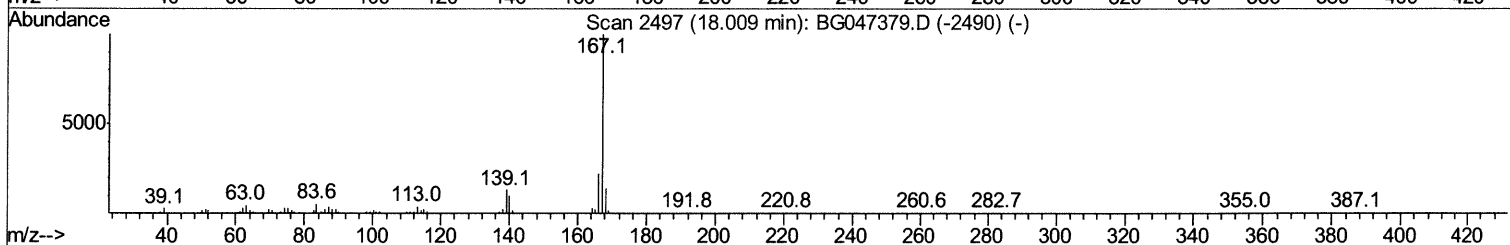
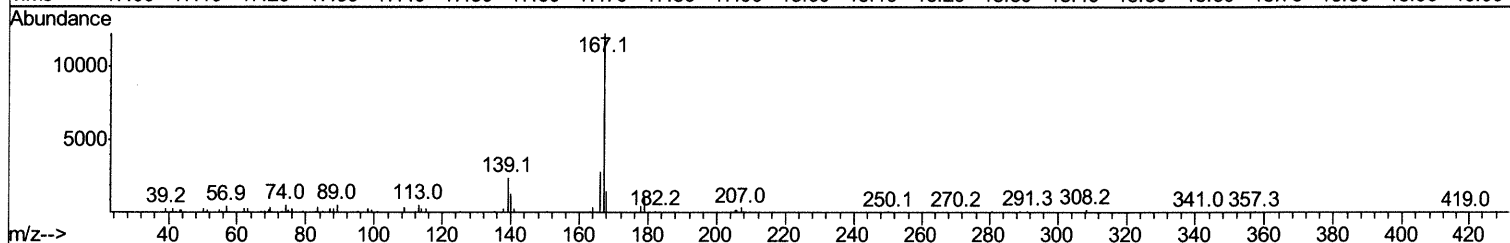
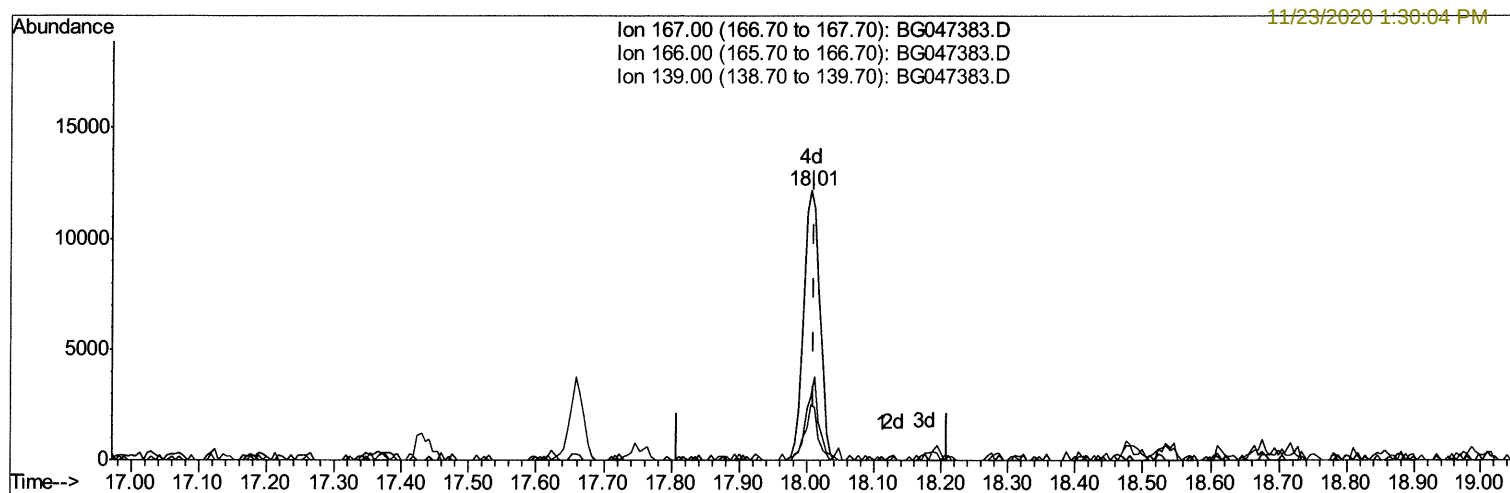
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG112020\
Data File : BG047383.D
Acq On : 20 Nov 2020 20:20
Operator : CG/JU
Sample : L4711-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0B53

Manual Integrations
APPROVED

mohammad
11/23/2020 1:30:04 PM

Quant Time: Nov 21 05:27:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 21 01:27:02 2020
Response via : Initial Calibration



TIC: BG047383.D

(75) Carbazole

18.005min (-0.004) 1.61ng/ul m 11/20/2020

response 20090

Ion	Exp%	Act%
167.00	100	100
166.00	22.20	23.80
139.00	12.40	20.32#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG112020\
 Data File : BG047383.D
 Acq On : 20 Nov 2020 20:20
 Operator : CG/JU
 Sample : L4711-10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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Manual Integrations
 APPROVED

mohammad
 11/23/2020 1:30:04 PM

Quant Time: Nov 21 05:27:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 21 01:27:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	11/23/2020 1:30:04 PM
1) 1,4-Dichlorobenzene-d4	8.28	152	40302	20.00	ng/ul	0.00	
18) Naphthalene-d8	11.10	136	157150	20.00	ng/ul	0.00	
36) Acenaphthene-d10	14.89	164	123179	20.00	ng/ul	0.00	
62) Phenanthrene-d10	17.62	188	284579m >	20.00	ng/ul >	0.00	11/30/20 J4
78) Chrysene-d12	21.90	240	242344	20.00	ng/ul	0.00	
86) Perylene-d12	25.30	264	262822	20.00	ng/ul	0.00	

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.62	96	1839	1.66	ng/uL	0.00	
5) Phenol-d5	7.40	99	47171	11.67	ng/ul	0.00	
7) Bis-(2-Chloroethyl)ether-d	7.58	67	26806	11.63	ng/ul	0.00	
9) 2-Chlorophenol-d4	7.80	132	33439	12.34	ng/ul	0.00	
13) 4-Methylphenol-d8	8.96	113	35520	11.44	ng/ul	0.00	
19) Nitrobenzene-d5	9.44	128	16799	12.94	ng/ul	0.00	
22) 2-Nitrophenol-d4	10.17	143	19119	13.50	ng/ul	0.00	
26) 2,4-Dichlorophenol-d3	10.71	165	41105	12.68	ng/ul	0.00	
29) 4-Chloroaniline-d4	11.22	131	38177	11.64	ng/ul	0.00	
44) Dimethylphthalate-d6	14.27	166	128130	12.12	ng/ul	0.00	
47) Acenaphthylene-d8	14.58	160	157885	12.92	ng/ul	0.00	
52) 4-Nitrophenol-d4	15.03	143	17020	10.55	ng/ul	0.00	
58) Fluorene-d10	15.87	176	122305	12.63	ng/ul	0.00	
63) 4,6-Dinitro-2-methylphenol	15.96	200	17724	10.94	ng/ul	0.00	
71) Anthracene-d10	17.72	188	188245	13.33	ng/ul	0.00	
79) Pyrene-d10	19.98	212	199822	14.17	ng/ul	0.00	
90) Benzo(a)pyrene-d12	25.06	264	203776	13.47	ng/ul	0.00	

Target Compounds

					Ovalue	
45) Dimethylphthalate	14.32	163	59381	5.505	ng/ul	97
70) Phenanthrene	17.66	178	274797m >	17.881	ng/ul >	11/30/20 J4
72) Anthracene	17.75	178	41084	2.655	ng/ul	96
75) Carbazole	18.01	167	20090m >	1.609	ng/ul >	11/30/20 J4
77) Fluoranthene	19.65	202	699197	36.026	ng/ul	100
80) Pyrene	20.01	202	545300	31.765	ng/ul#	96
81) Butylbenzylphthalate	20.88	149	55108	9.140	ng/ul	98
83) Benzo(a)anthracene	21.88	228	323829	18.780	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.77	149	115564	13.751	ng/ul	96
85) Chrysene	21.95	228	338841	20.650	ng/ul	98
88) Benzo(b)fluoranthene	24.22	252	448695	24.180	ng/ul#	99
89) Benzo(k)fluoranthene	24.28	252	153630m >	8.401	ng/ul >	11/30/20 J4
91) Benzo(a)pyrene	25.14	252	290440	17.557	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	29.20	276	204573	10.167	ng/ul	99
93) Dibenzo(a,h)anthracene	29.26	278	56473m >	3.423	ng/ul >	11/30/20 J4
94) Benzo(g,h,i)perylene	30.42	276	167569m >	10.092	ng/ul >	11/30/20 J4

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