

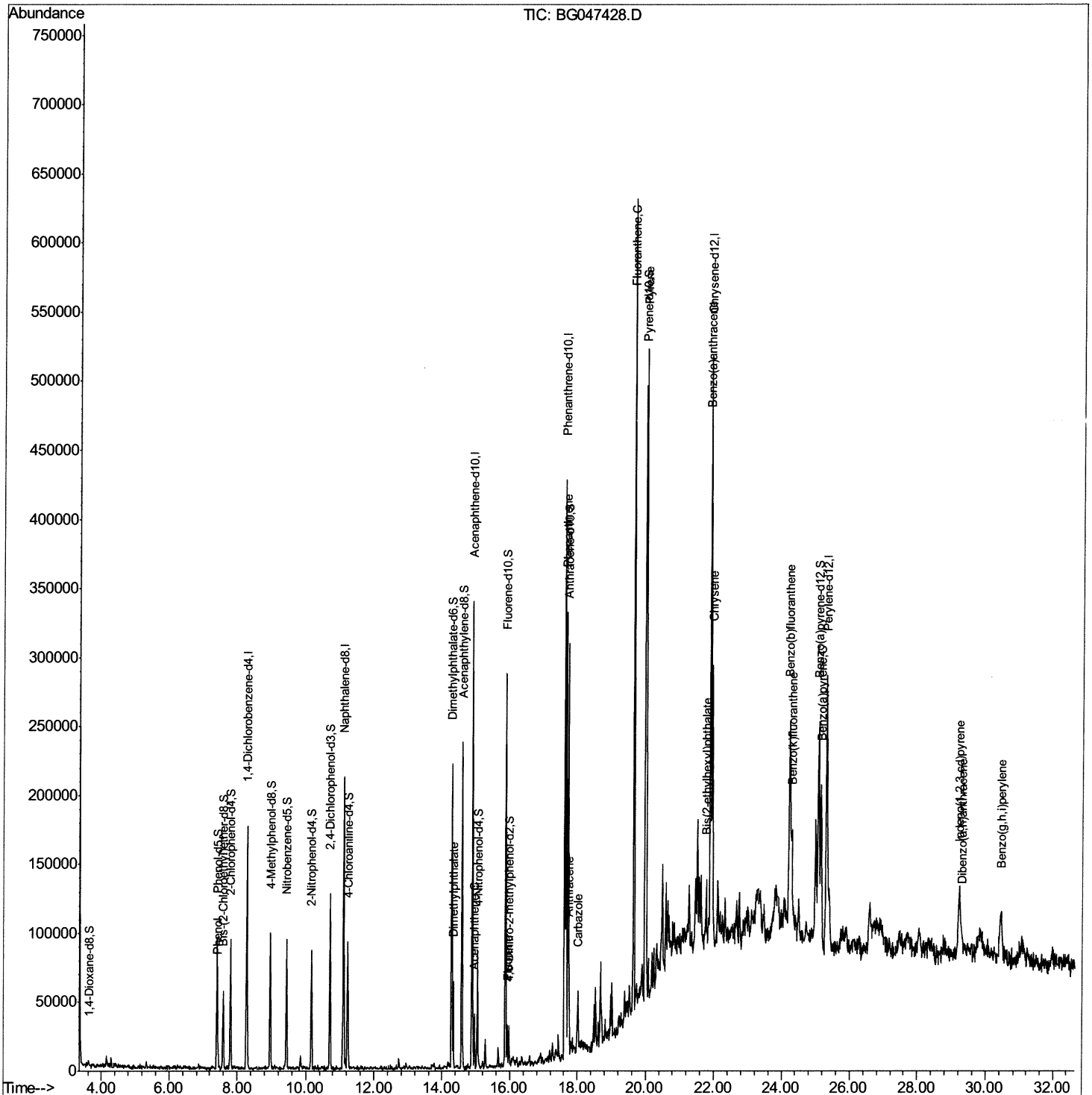
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047428.D
Acq On : 24 Nov 2020 1:45
Operator : CG/JU
Sample : L4749-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0B13

Manual Integrations
APPROVED

mohammad
11/25/2020 12:47:13 PM

Quant Time: Nov 24 03:28:43 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)

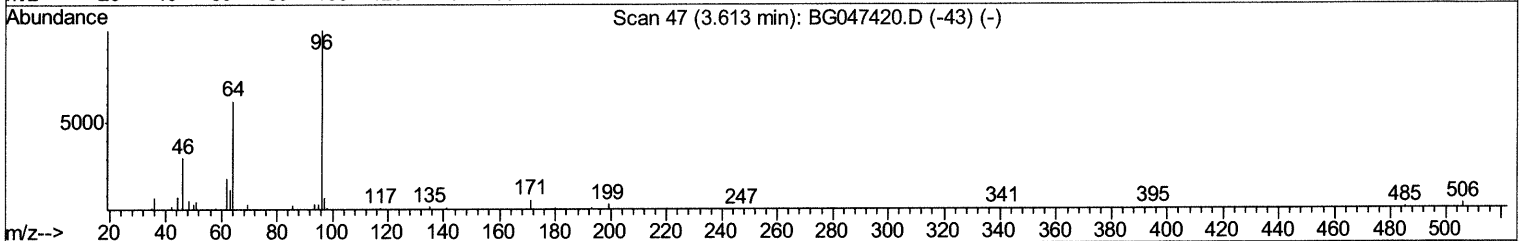
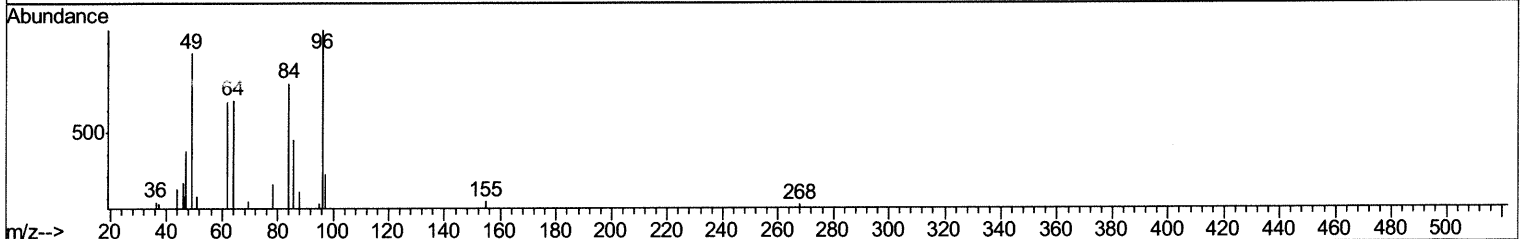
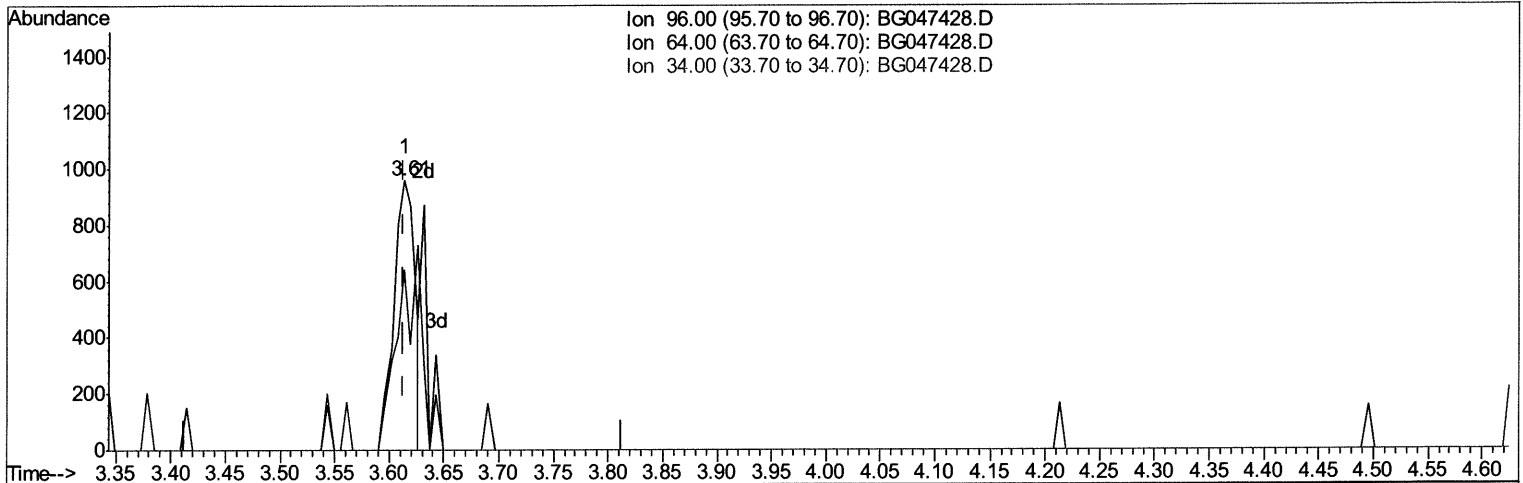
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047428.D
 Acq On : 24 Nov 2020 1:45
 Operator : CG/JU
 Sample : L4749-14
 Misc :
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Instrument :
 BNA_G
 ClientSampleId :
 C0B13

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:47:13 PM

Quant Time: Nov 24 03:14:57 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: BG047428.D

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

3.614min (+0.001) 1.11ng/uL

response 1289

Ion	Exp%	Act%
96.00	100	100
64.00	88.60	66.81#
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

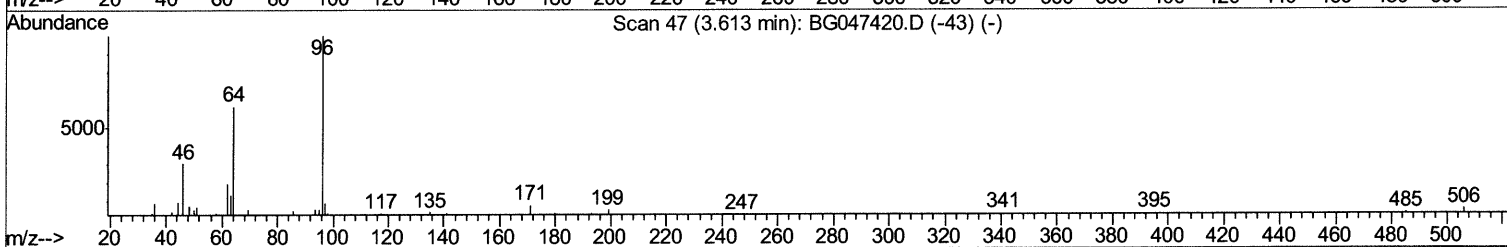
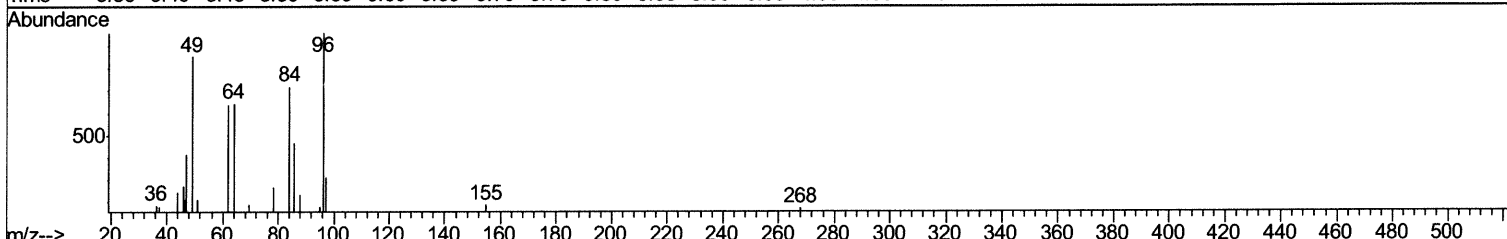
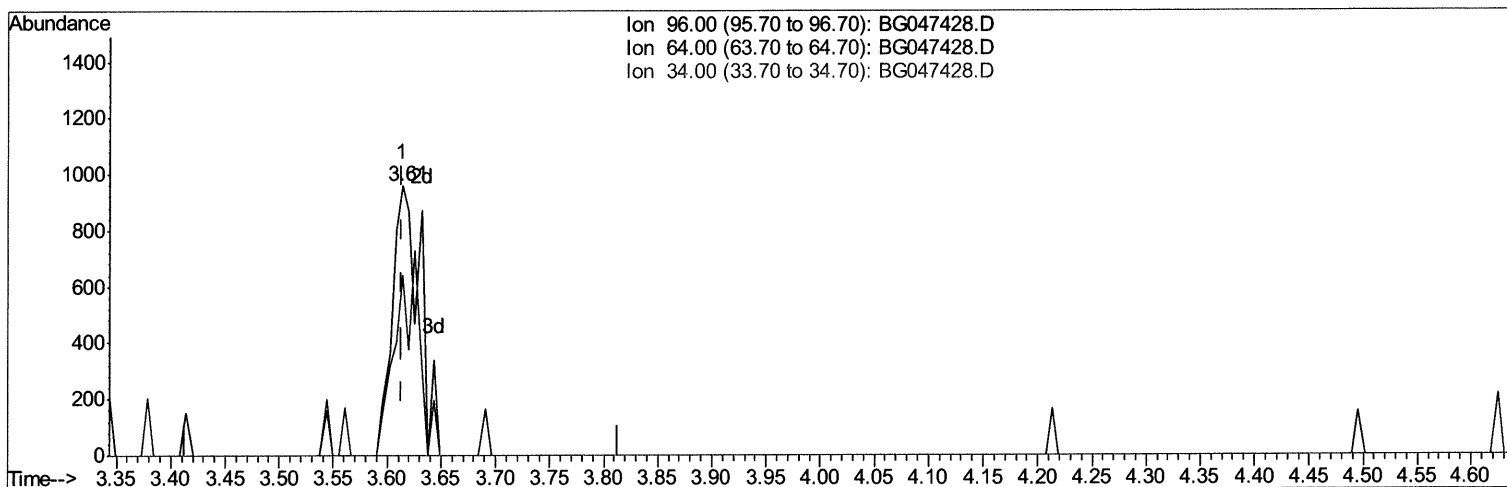
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047428.D
Acq On : 24 Nov 2020 1:45
Operator : CG/JU
Sample : L4749-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0B13

Manual Integrations
APPROVED

mohammad
11/25/2020 12:47:13 PM

Quant Time: Nov 24 03:14:57 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: BG047428.D

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

3.614min (+0.001) 1.37ng/uL m

11/25/20 JU

response 1597

Ion	Exp%	Act%
96.00	100	100
64.00	88.60	66.81#
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

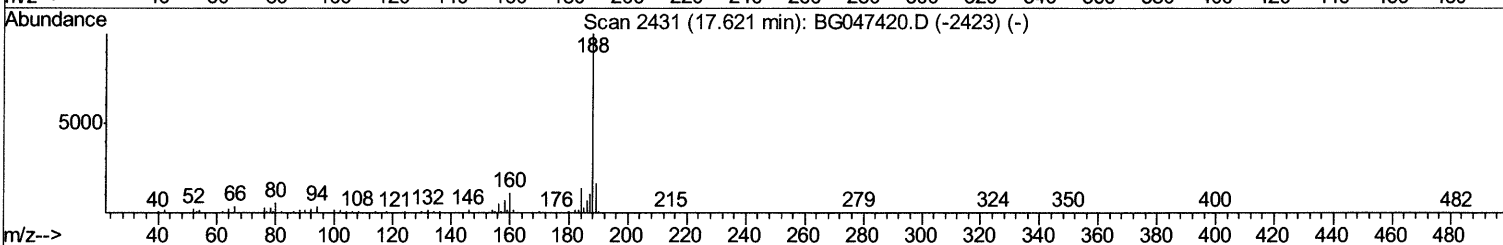
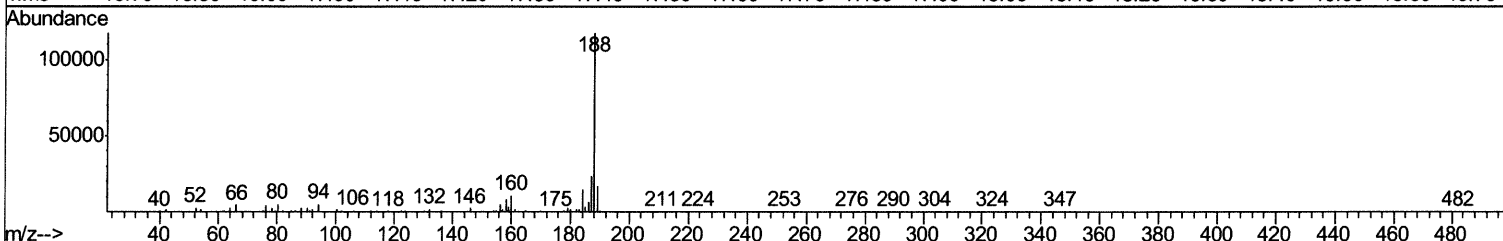
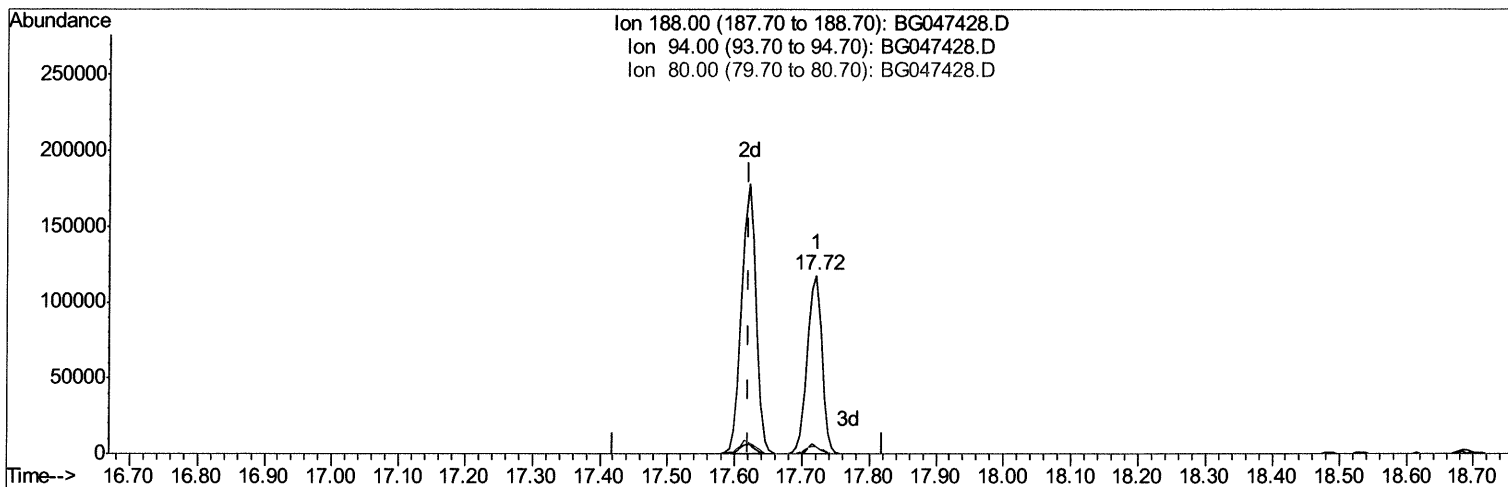
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047428.D
Acq On : 24 Nov 2020 1:45
Operator : CG/JU
Sample : L4749-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0B13

Manual Integrations
APPROVED

mohammad
11/25/2020 12:47:13 PM

Quant Time: Nov 24 03:17:43 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: BG047428.D

(62) Phenanthrene-d10 (I)

17.721min (+0.101) 20.00ng/ul

response 177393

Ion	Exp%	Act%
188.00	100	100
94.00	4.60	4.32
80.00	5.30	4.36
0.00	0.00	0.00

Quantitation Report (Qedit)

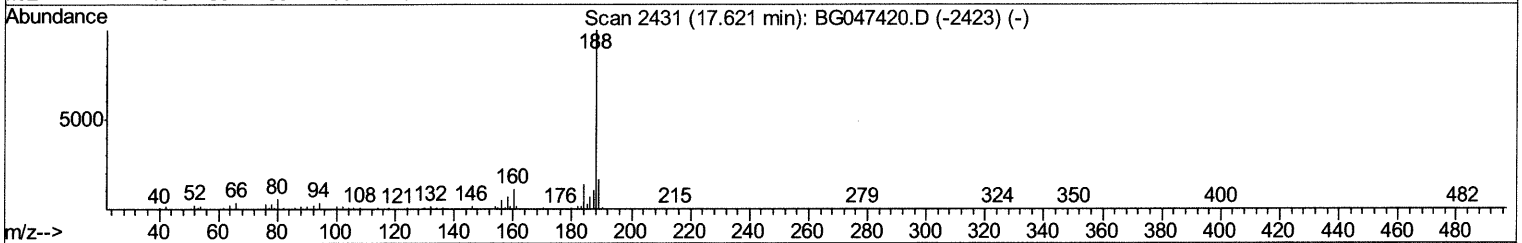
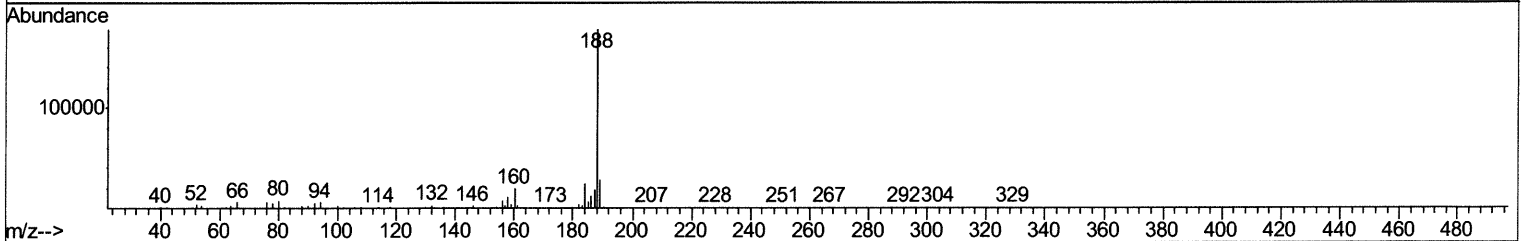
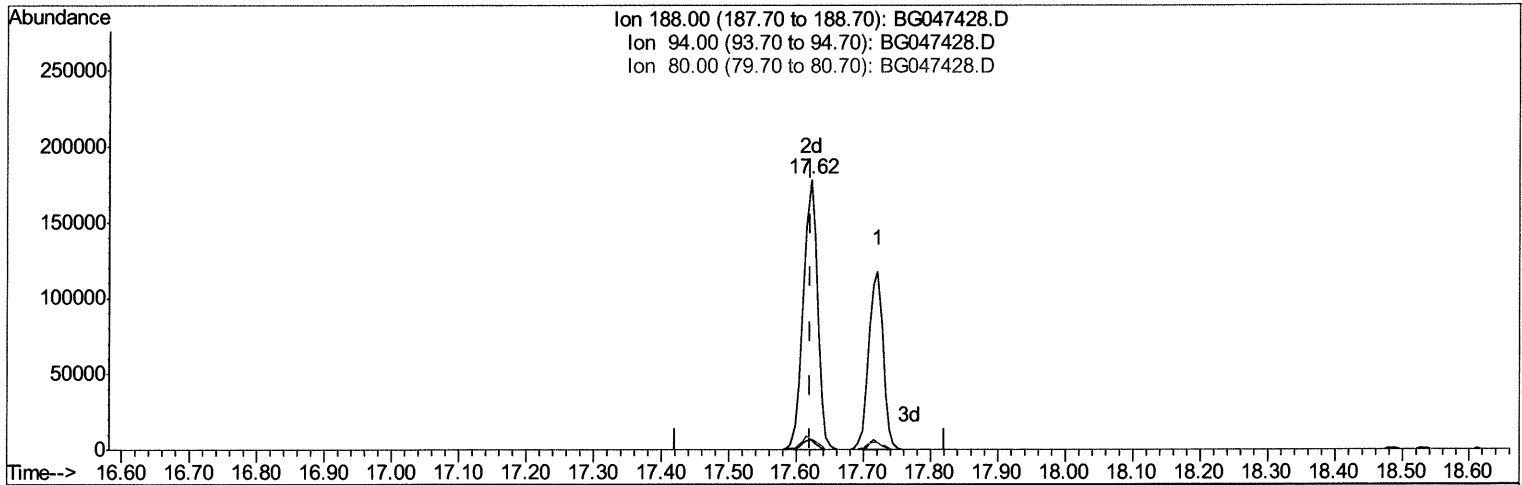
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047428.D
 Acq On : 24 Nov 2020 1:45
 Operator : CG/JU
 Sample : L4749-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B13

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:47:13 PM

Quant Time: Nov 24 03:17:43 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: BG047428.D

(62) Phenanthrene-d10 (I)

17.621min (+0.001) 20.00ng/ul m 11/25/20 JU

response 263742

Ion	Exp%	Act%
188.00	100	100
94.00	4.60	3.50#
80.00	5.30	4.23#
0.00	0.00	0.00

Quantitation Report (Qedit)

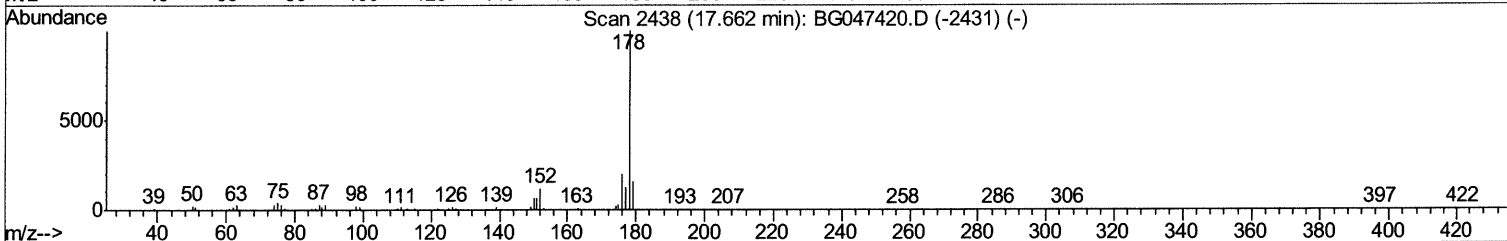
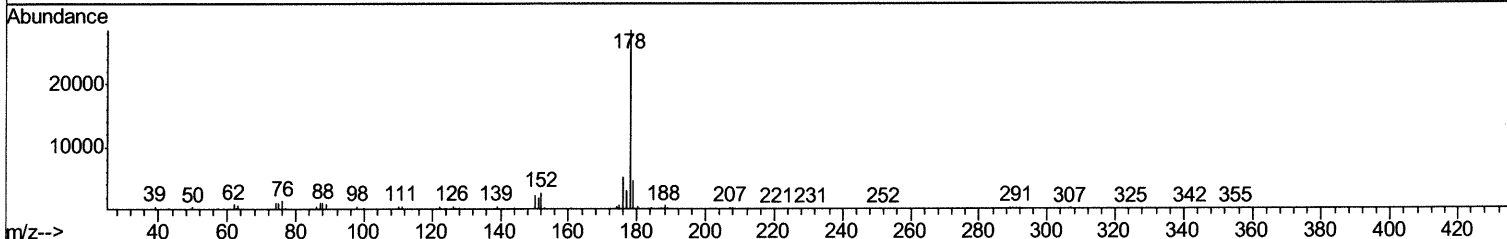
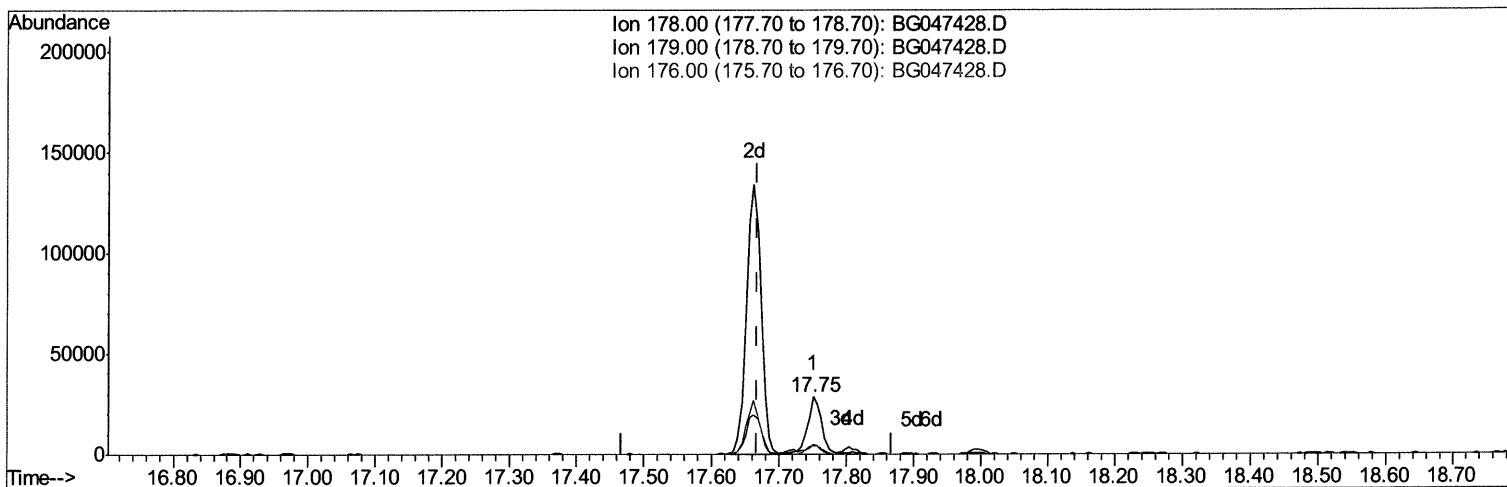
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047428.D
 Acq On : 24 Nov 2020 1:45
 Operator : CG/JU
 Sample : L4749-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B13

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:47:13 PM

Quant Time: Nov 24 03:21:14 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: BG047428.D

(70) Phenanthrene

17.750min (+0.083) 2.95ng/ul

response 41983

Ion	Exp%	Act%
178.00	100	100
179.00	14.70	16.02
176.00	17.40	17.96
0.00	0.00	0.00

Quantitation Report (Qedit)

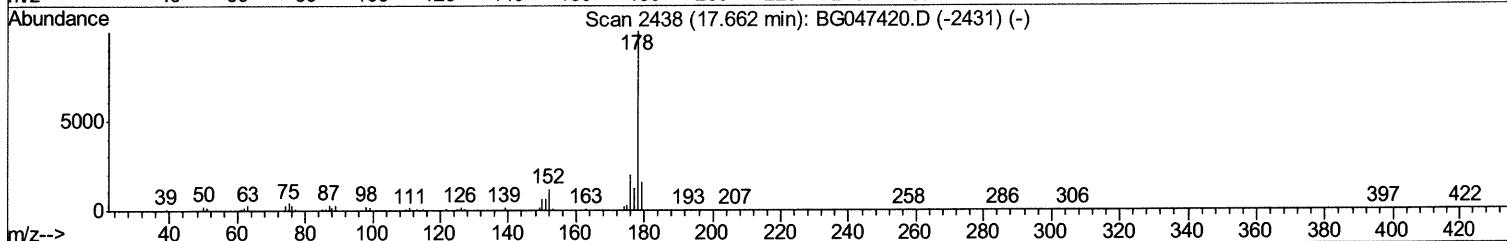
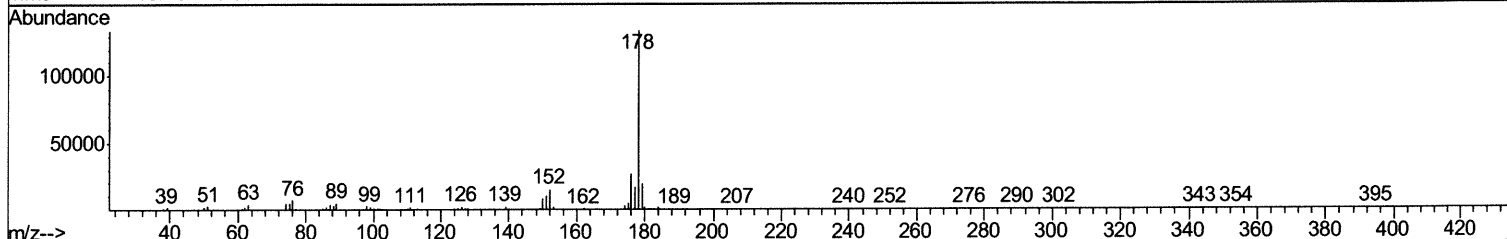
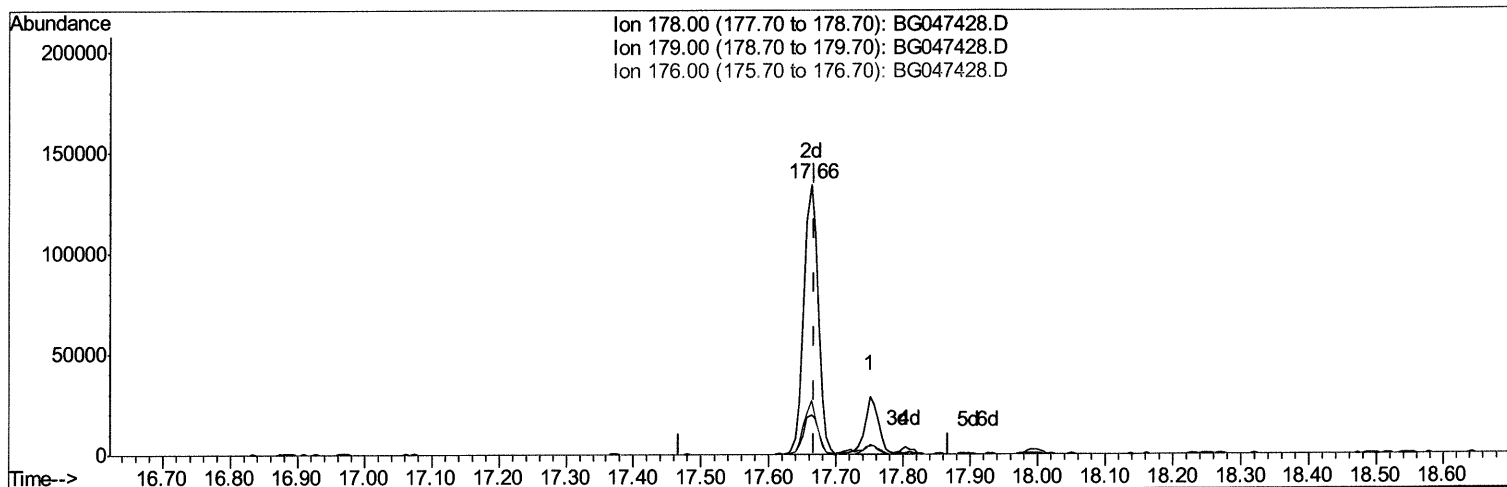
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047428.D
 Acq On : 24 Nov 2020 1:45
 Operator : CG/JU
 Sample : L4749-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B13

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:47:13 PM

Quant Time: Nov 24 03:21:14 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: BG047428.D

(70) Phenanthrene

17.662min (-0.005) 14.10ng/ul m 11/25/2020 JU

response 200843

Ion	Exp%	Act%
178.00	100	100
179.00	14.70	14.68
176.00	17.40	20.22
0.00	0.00	0.00

Quantitation Report (Qedit)

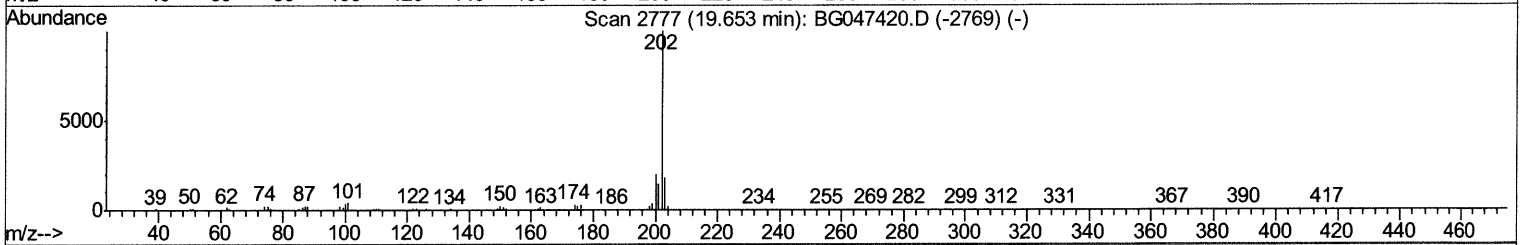
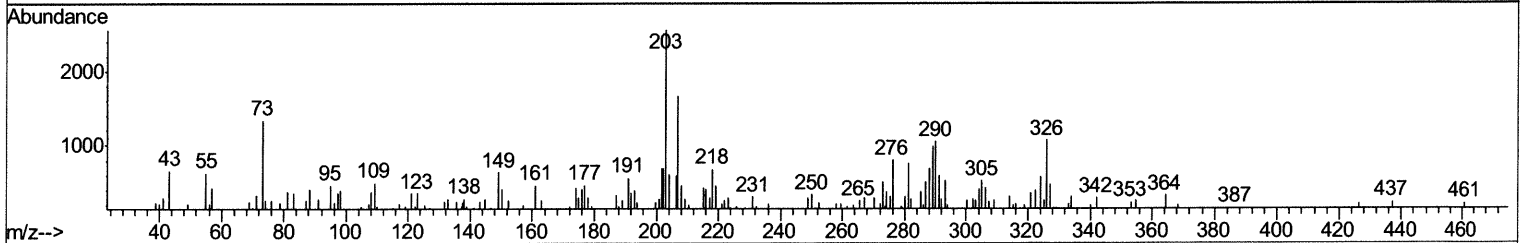
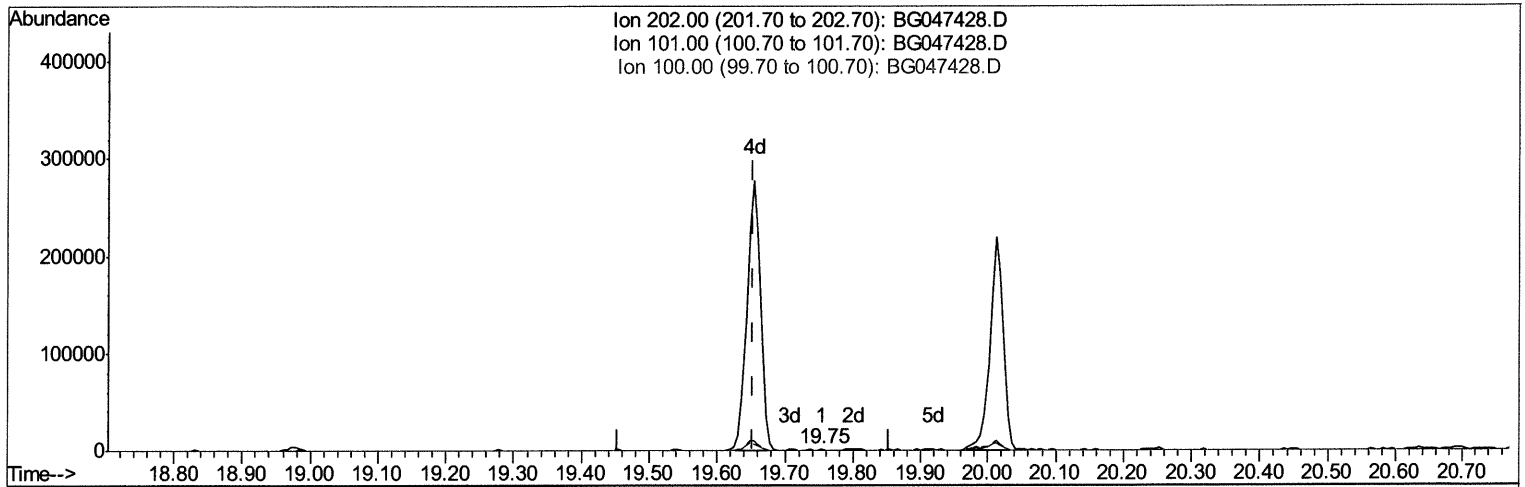
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047428.D
 Acq On : 24 Nov 2020 1:45
 Operator : CG/JU
 Sample : L4749-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B13

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:47:13 PM

Quant Time: Nov 24 03:22:08 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: BG047428.D

(77) Fluoranthene (C)

19.754min (+0.101) 0.04ng/ul

response 807

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

Quantitation Report (Qedit)

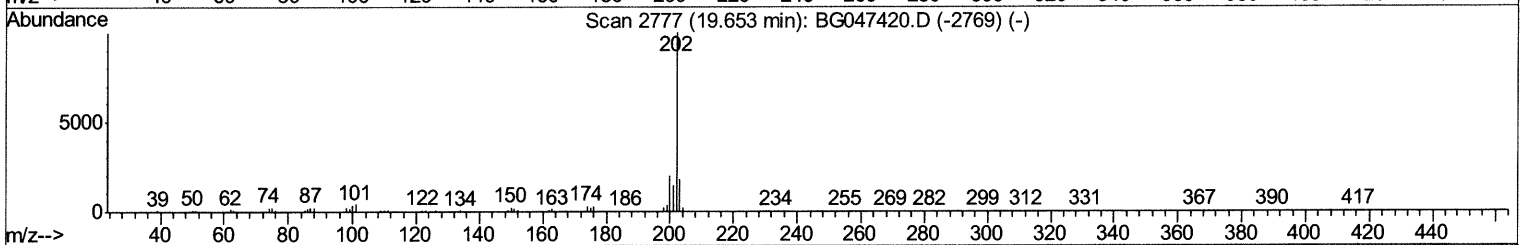
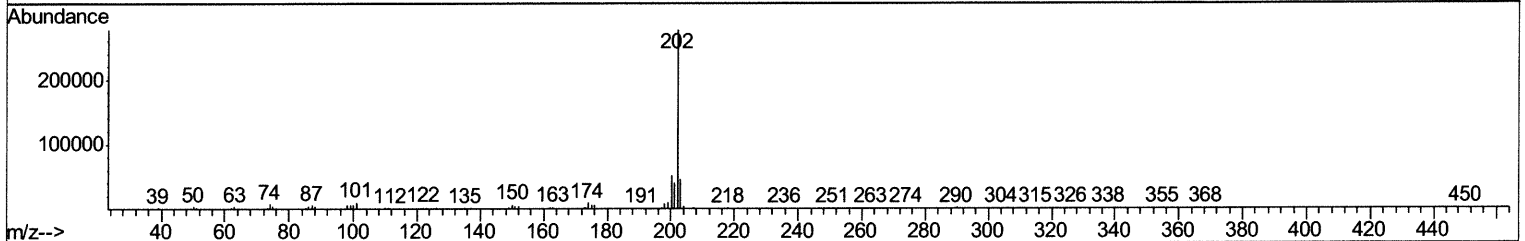
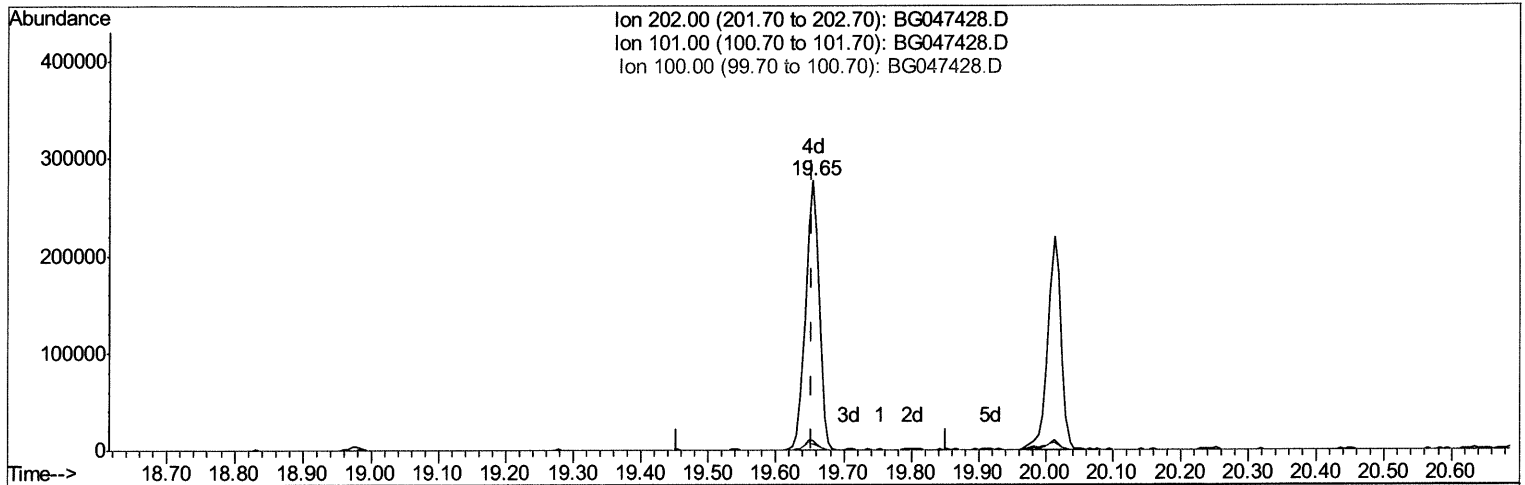
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047428.D
 Acq On : 24 Nov 2020 1:45
 Operator : CG/JU
 Sample : L4749-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B13

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:47:13 PM

Quant Time: Nov 24 03:22:08 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: BG047428.D

(77) Fluoranthene (C)

19.654min (+0.001) 21.38ng/ul m 11/25/20 JU

response 384507

Ion	Exp%	Act%
202.00	100	100
101.00	3.80	3.62
100.00	3.80	2.37#
0.00	0.00	0.00

Quantitation Report (Qedit)

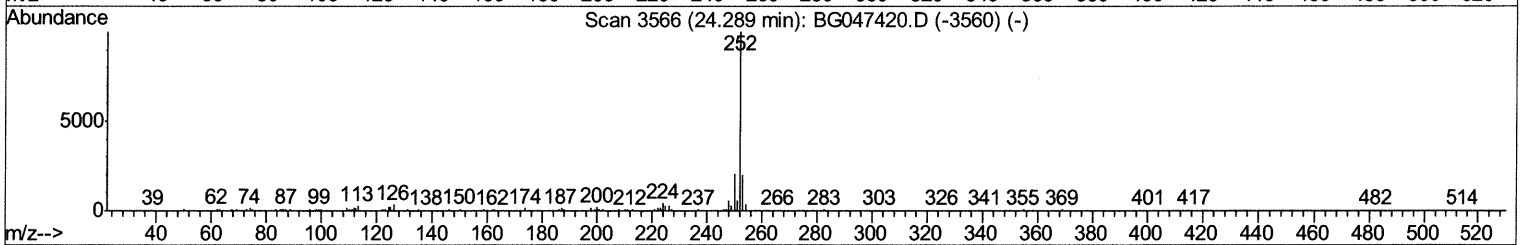
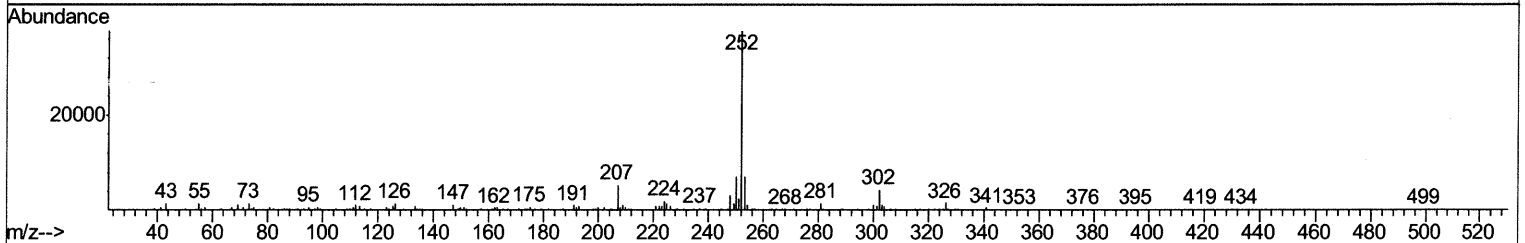
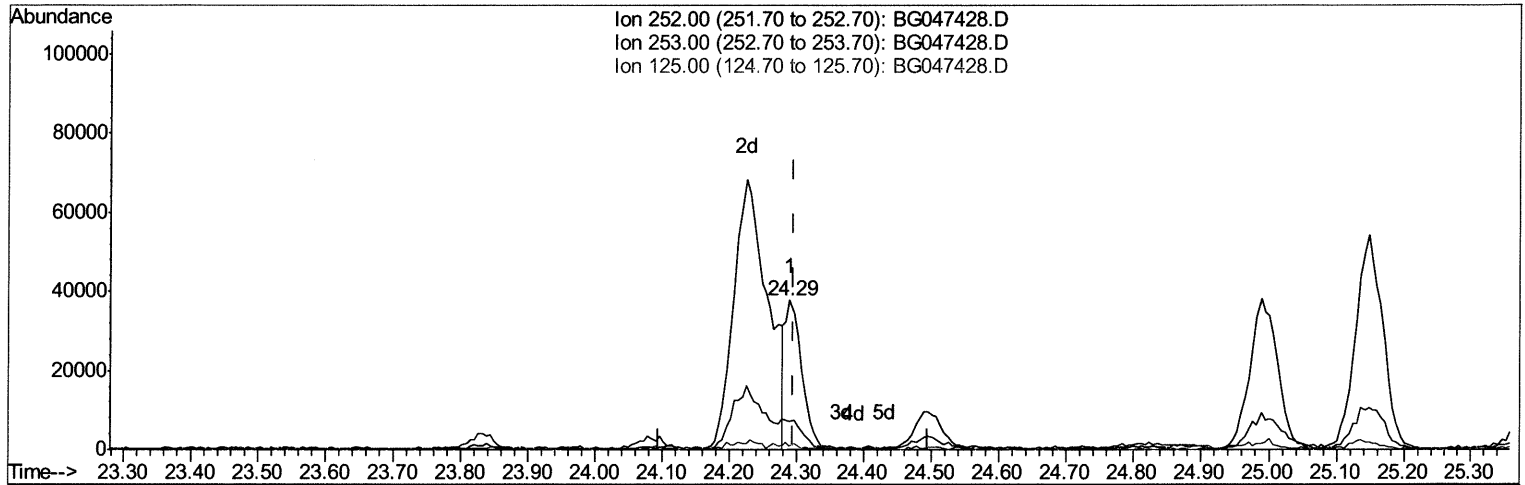
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047428.D
Acq On : 24 Nov 2020 1:45
Operator : CG/JU
Sample : L4749-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0B13

Manual Integrations
APPROVED

mohammad
11/25/2020 12:47:13 PM

Quant Time: Nov 24 03:22:08 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: BG047428.D

(89) Benzo(k)fluoranthene

24.290min (-0.005) 3.78ng/ul

response 64025

Ion	Exp%	Act%
252.00	100	100
253.00	22.80	18.63
125.00	2.70	2.51
0.00	0.00	0.00

Quantitation Report (Qedit)

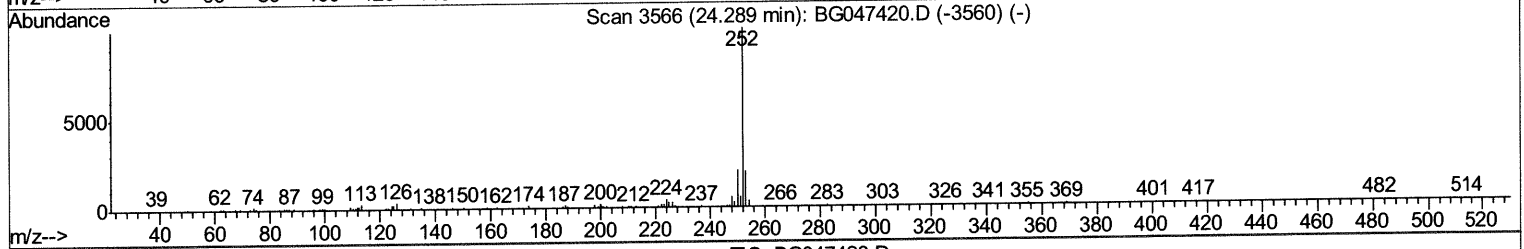
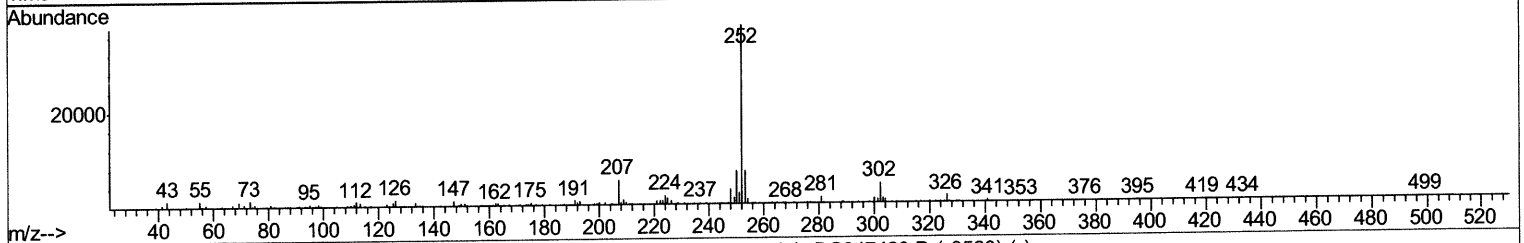
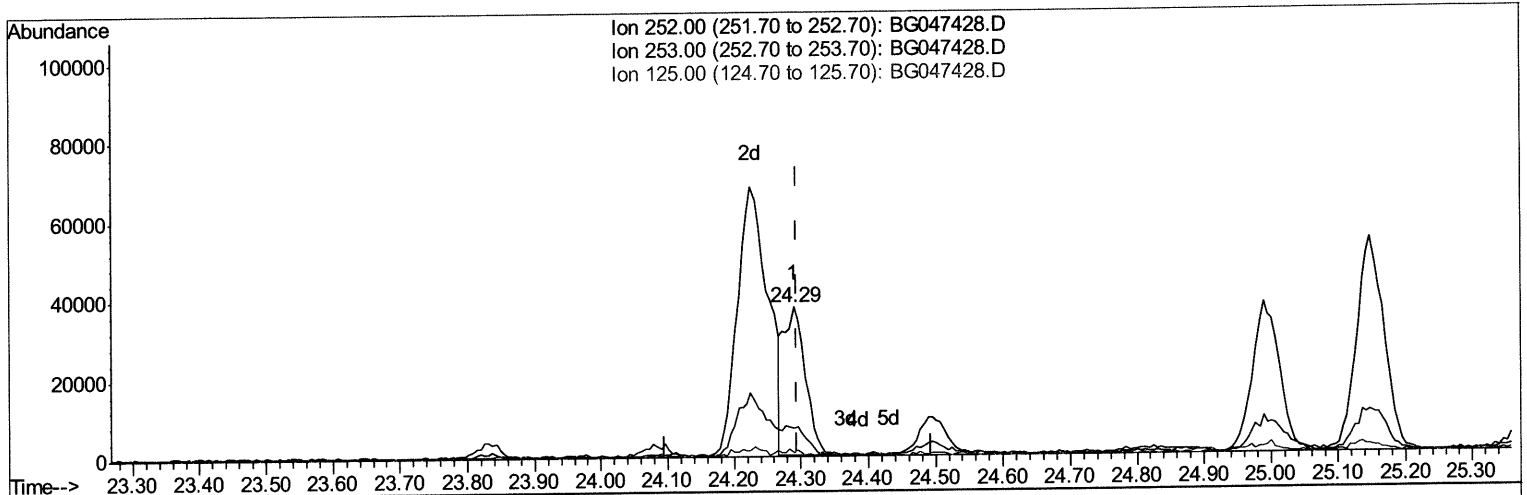
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047428.D
 Acq On : 24 Nov 2020 1:45
 Operator : CG/JU
 Sample : L4749-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B13

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:47:13 PM

Quant Time: Nov 24 03:23:07 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: BG047428.D

(89) Benzo(k)fluoranthene

24.290min (-0.005) 5.04ng/ul m

11/25/2020 JU

response 85346

Ion	Exp%	Act%
252.00	100	100
253.00	22.80	18.63
125.00	2.70	2.51
0.00	0.00	0.00

Quantitation Report (Qedit)

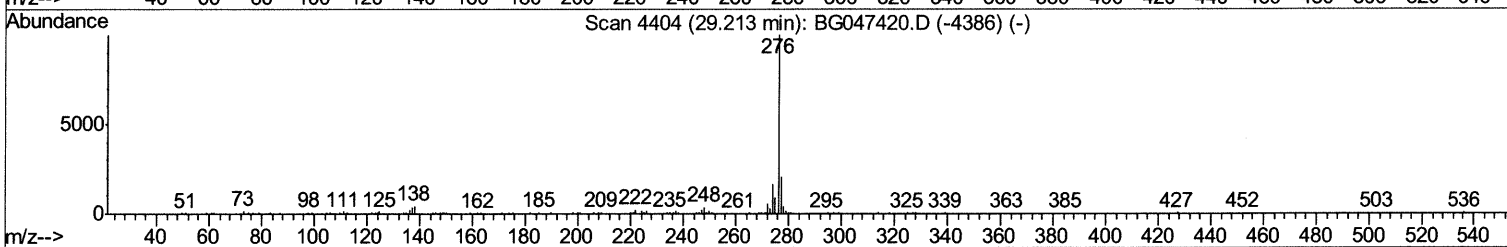
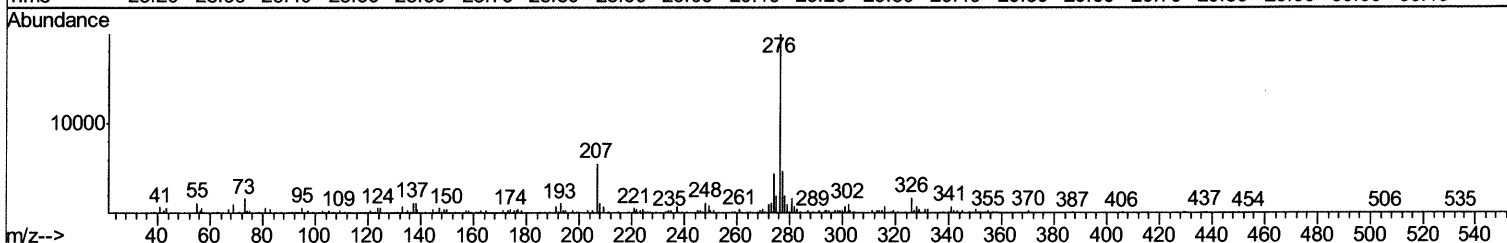
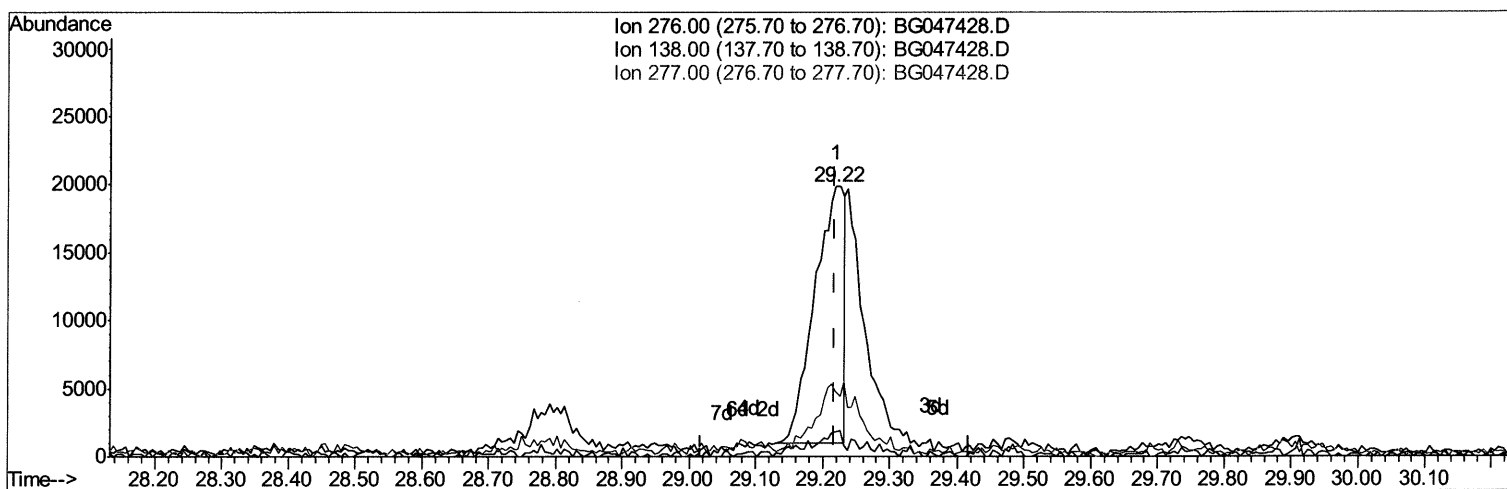
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047428.D
Acq On : 24 Nov 2020 1:45
Operator : CG/JU
Sample : L4749-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0B13

Manual Integrations
APPROVED

mohammad
11/25/2020 12:47:13 PM

Quant Time: Nov 24 03:25:57 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: BG047428.D

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

29.219min (+0.001) 3.09ng/ul

response 57619

Ion	Exp%	Act%
276.00	100	100
138.00	6.30	8.98#
277.00	20.60	23.97
0.00	0.00	0.00

Quantitation Report (Qedit)

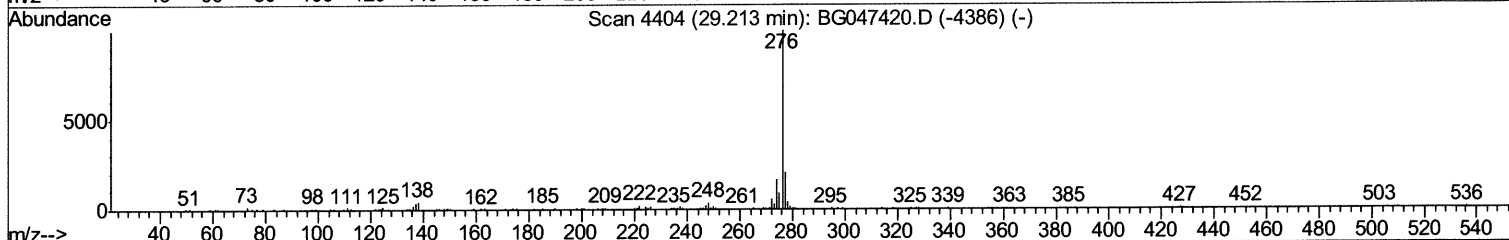
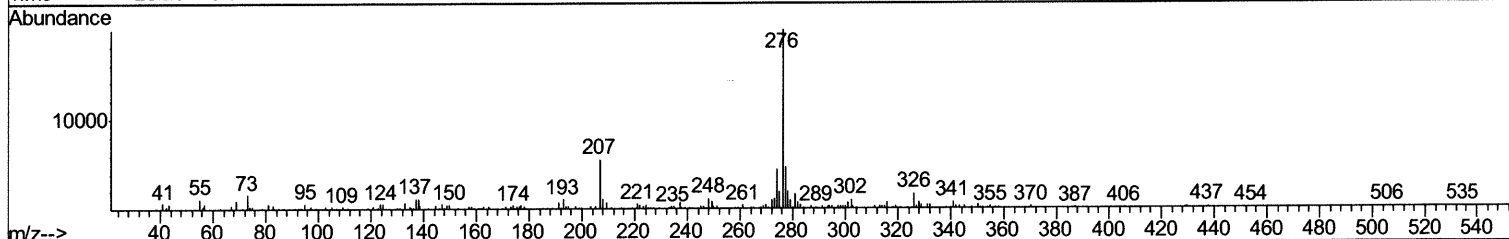
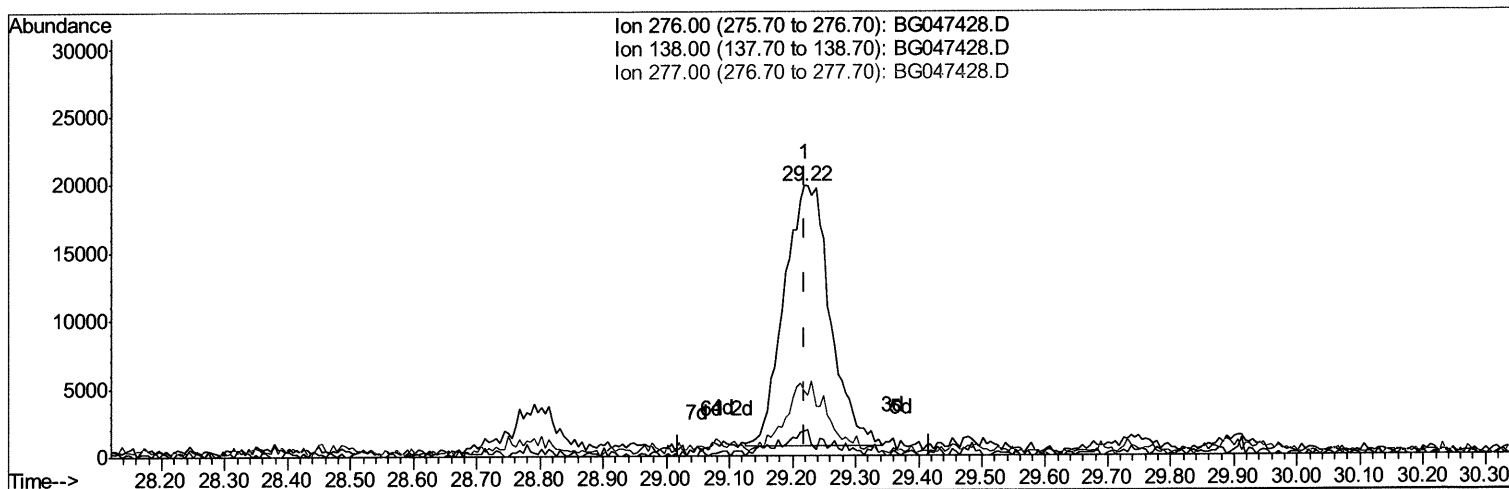
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047428.D
 Acq On : 24 Nov 2020 1:45
 Operator : CG/JU
 Sample : L4749-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B13

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:47:13 PM

Quant Time: Nov 24 03:25:57 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: BG047428.D

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

29.219min (+0.001) 5.13ng/ul m 11/25/20 54

response 95652

Ion	Exp%	Act%
276.00	100	100
138.00	6.30	6.51
277.00	20.60	23.97
0.00	0.00	0.00

Quantitation Report (Qedit)

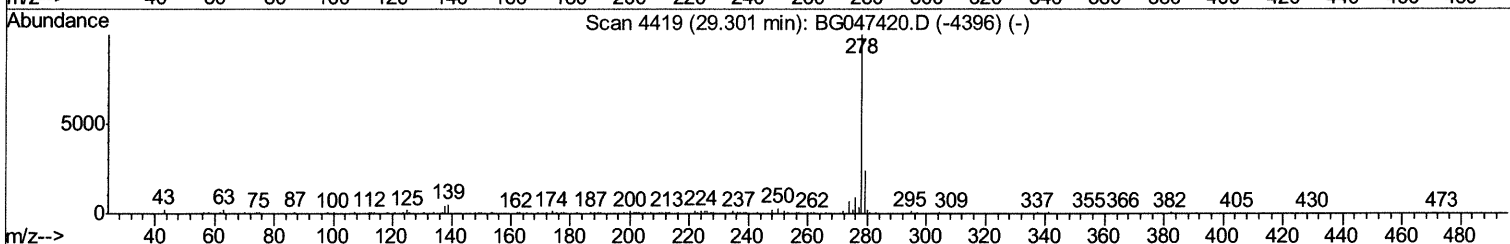
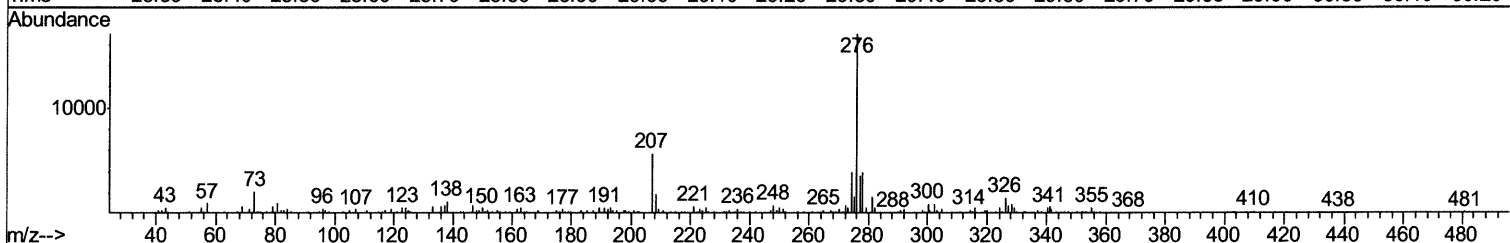
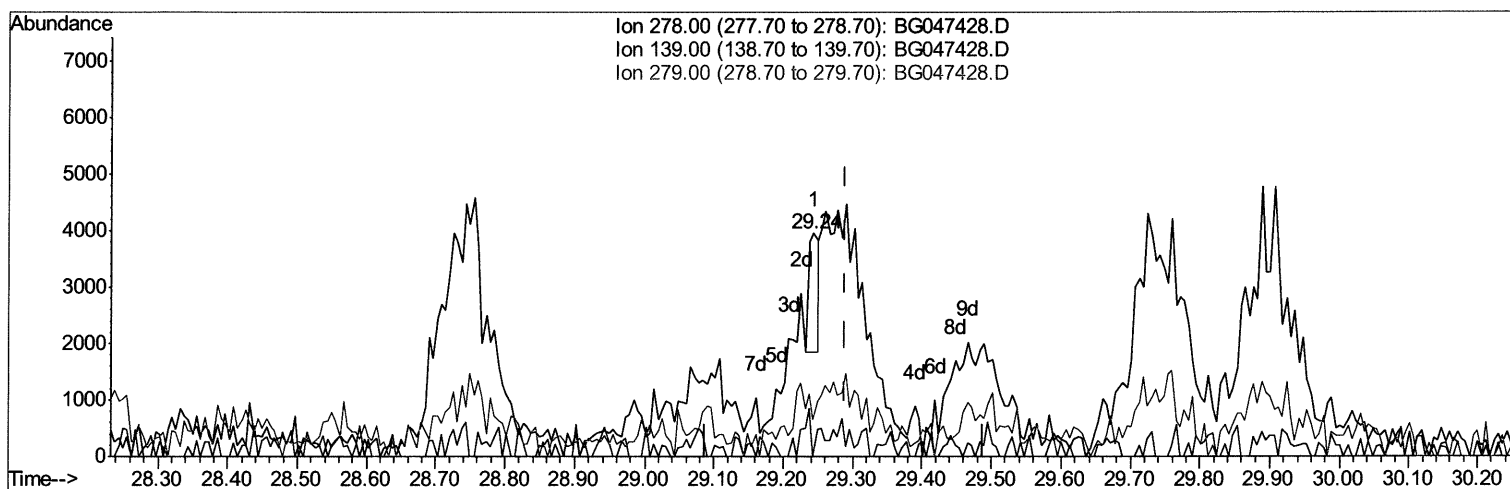
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
Data File : BG047428.D
Acq On : 24 Nov 2020 1:45
Operator : CG/JU
Sample : L4749-14
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0B13

Manual Integrations
APPROVED

mohammad
11/25/2020 12:47:13 PM

Quant Time: Nov 24 03:26:49 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: BG047428.D

(93) Dibenzo(a,h)anthracene

29.243min (-0.046) 0.14ng/ul

response 2130

Ion	Exp%	Act%
278.00	100	100
139.00	5.80	0.00#
279.00	22.70	16.28#
0.00	0.00	0.00

Quantitation Report (Qedit)

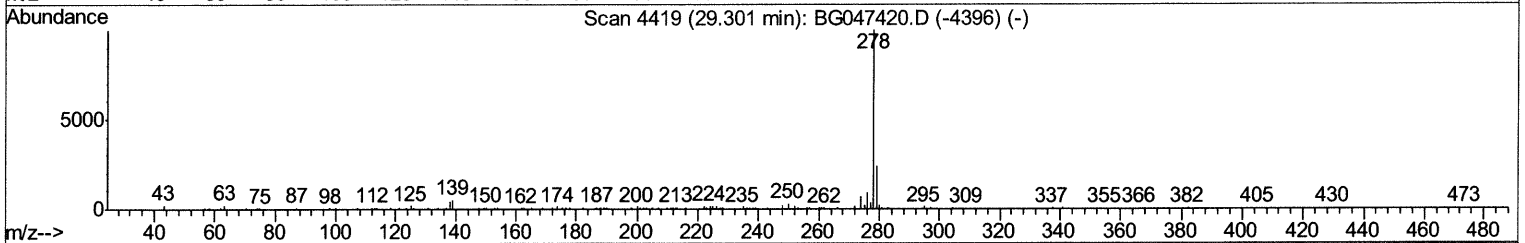
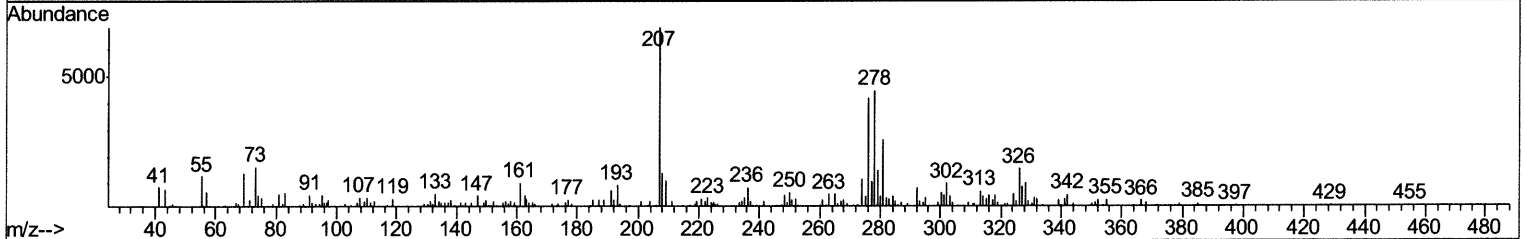
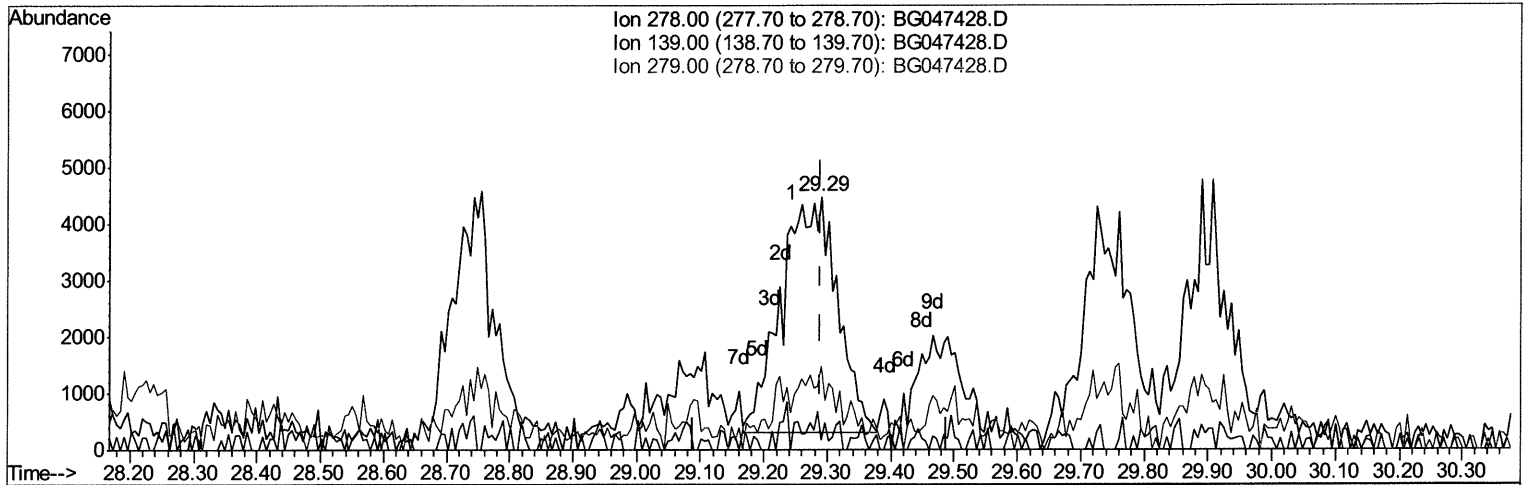
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047428.D
 Acq On : 24 Nov 2020 1:45
 Operator : CG/JU
 Sample : L4749-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 C0B13

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:47:13 PM

Quant Time: Nov 24 03:26:49 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: BG047428.D

(93) Dibenzo(a,h)anthracene

29.290min (+0.001) 1.65ng/ul m 11/25/20 JU

response 25220

Ion	Exp%	Act%
278.00	100	100
139.00	5.80	3.91#
279.00	22.70	32.83#
0.00	0.00	0.00

Quantitation Report (Qedit)

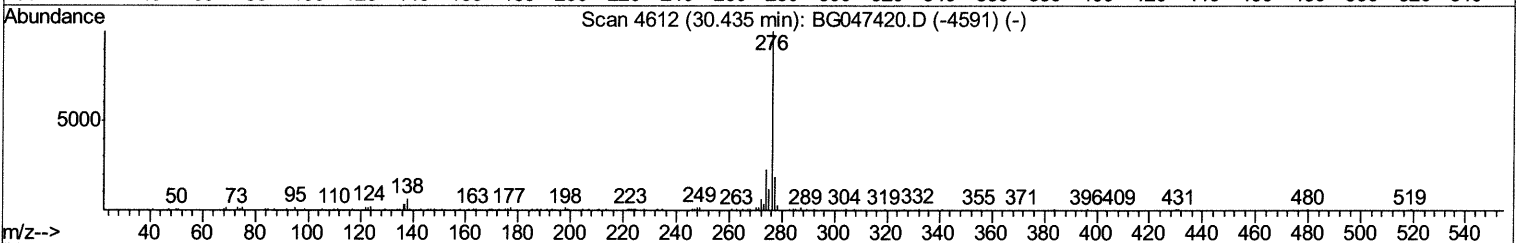
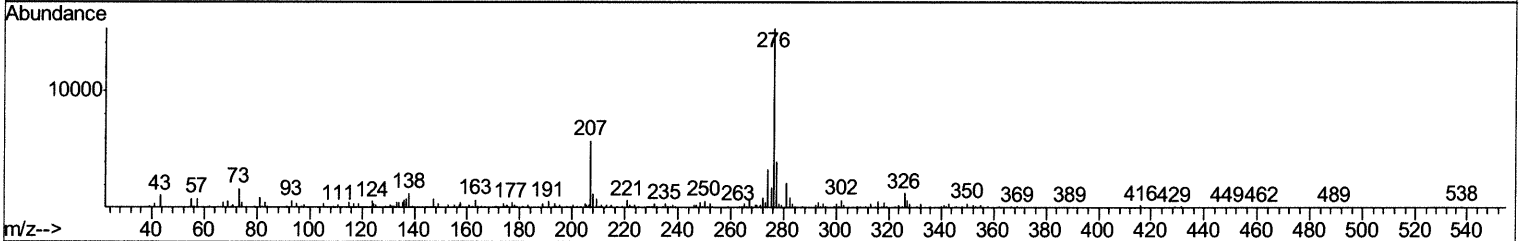
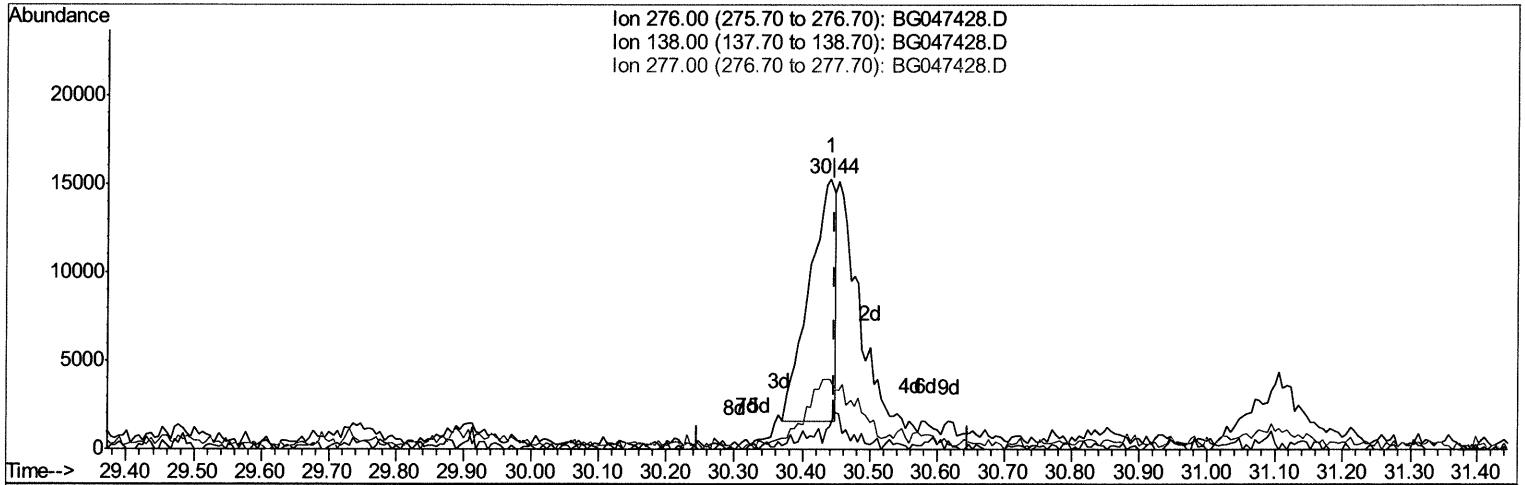
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047428.D
 Acq On : 24 Nov 2020 1:45
 Operator : CG/JU
 Sample : L4749-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B13

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:47:13 PM

Quant Time: Nov 24 03:26:49 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: BG047428.D

(94) Benzo(g,h,i)perylene
 30.441min (-0.005) 2.40ng/ul
 response 36834

Ion	Exp%	Act%
276.00	100	100
138.00	7.20	8.76#
277.00	21.80	25.89
0.00	0.00	0.00

Quantitation Report (Qedit)

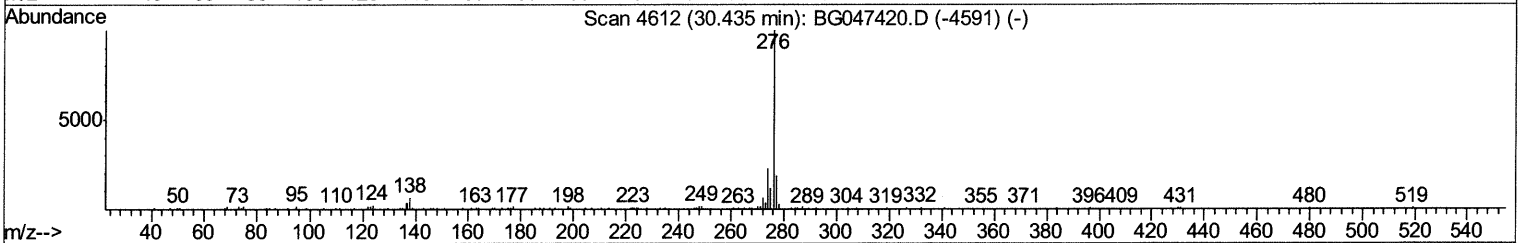
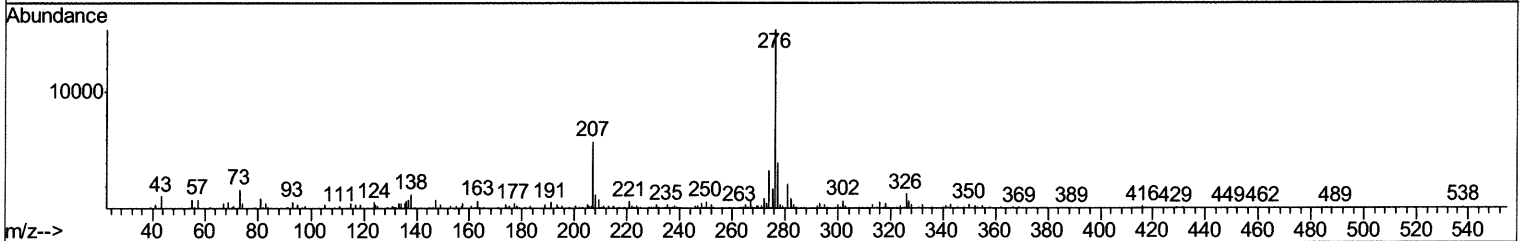
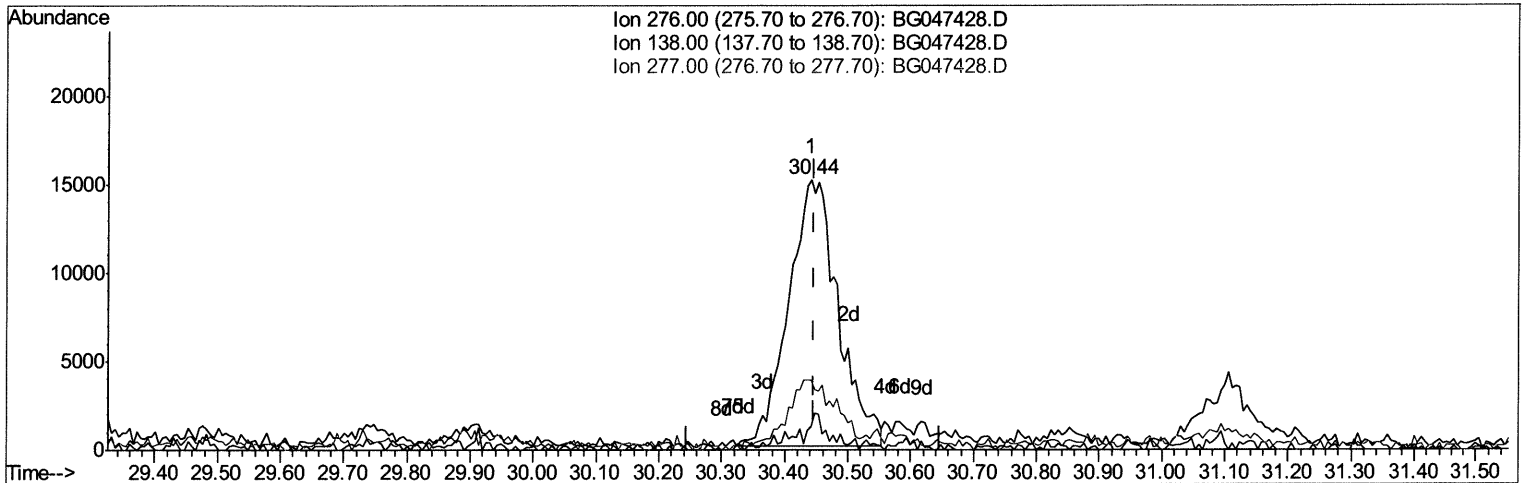
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047428.D
 Acq On : 24 Nov 2020 1:45
 Operator : CG/JU
 Sample : L4749-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B13

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:47:13 PM

Quant Time: Nov 24 03:26:49 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: BG047428.D

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

30.441min (-0.005) 5.37ng/ul m 11/25/2020

response 82576

Ion	Exp%	Act%
276.00	100	100
138.00	7.20	8.76#
277.00	21.80	25.89
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG112320\
 Data File : BG047428.D
 Acq On : 24 Nov 2020 1:45
 Operator : CG/JU
 Sample : L4749-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0B13

Manual Integrations
 APPROVED

mohammad
 11/25/2020 12:47:13 PM

Quant Time: Nov 24 03:28:43 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	42264	20.00	ng/ul	0.00
18) Naphthalene-d8	11.11	136	169993	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.89	164	121935	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.62	188	263742m>	20.00	ng/ul>	0.00 11/25/2020
78) Chrysene-d12	21.90	240	222504	20.00	ng/ul	0.00
86) Perylene-d12	25.32	264	243333	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.61	96	1597m>	1.37	ng/uL>	0.00 11/25/2020
5) Phenol-d5	7.41	99	43001	10.15	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.59	67	25538	10.56	ng/ul	0.00
9) 2-Chlorophenol-d4	7.80	132	35673	12.55	ng/ul	0.00
13) 4-Methylphenol-d8	8.96	113	30363	9.32	ng/ul	0.00
19) Nitrobenzene-d5	9.44	128	16935	12.06	ng/ul	0.00
22) 2-Nitrophenol-d4	10.17	143	19932	13.01	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.71	165	40641	11.59	ng/ul	0.00
29) 4-Chloroaniline-d4	11.22	131	39976	11.27	ng/ul	0.00
44) Dimethylphthalate-d6	14.28	166	132605	12.67	ng/ul	0.00
47) Acenaphthylene-d8	14.58	160	159797	13.21	ng/ul	0.00
52) 4-Nitrophenol-d4	15.05	143	13535	8.47	ng/ul	0.00
58) Fluorene-d10	15.87	176	121747	12.70	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.98	200	6690	4.46	ng/ul	0.00
71) Anthracene-d10	17.72	188	177393	13.56	ng/ul	0.00
79) Pyrene-d10	19.98	212	201925	15.59	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.07	264	205165	14.65	ng/ul	0.00
Target Compounds						
6) Phenol	7.43	94	7134	1.757	ng/ul#	81
45) Dimethylphthalate	14.32	163	34274	3.210	ng/ul	97
50) Acenaphthene	14.95	153	15920	2.019	ng/ul	94
59) Fluorene	15.92	166	12492	1.280	ng/ul#	94
70) Phenanthrene	17.66	178	200843m>	14.102	ng/ul>	94 11/25/2020
72) Anthracene	17.75	178	40678	2.836	ng/ul	97
75) Carbazole	18.01	167	26111	2.257	ng/ul	94
77) Fluoranthene	19.65	202	384507m>	21.377	ng/ul>	94 11/25/2020
80) Pyrene	20.01	202	301202	19.110	ng/ul	99
83) Benzo(a)anthracene	21.88	228	166433	10.513	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.77	149	12021	1.558	ng/ul#	98
85) Chrysene	21.95	228	159113	10.561	ng/ul	95
88) Benzo(b)fluoranthene	24.23	252	217034	12.632	ng/ul#	94
89) Benzo(k)fluoranthene	24.29	252	85346m>	5.041	ng/ul>	94 11/25/2020
91) Benzo(a)pyrene	25.15	252	151455	9.889	ng/ul	93
92) Indeno(1,2,3-cd)pyrene	29.22	276	95652m}	5.134	ng/ul}	11/25/2020
93) Dibenzo(a,h)anthracene	29.29	278	25220m}	1.651	ng/ul}	
94) Benzo(a,h,i)perylene	30.44	276	82576m}	5.372	ng/ul}	

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