

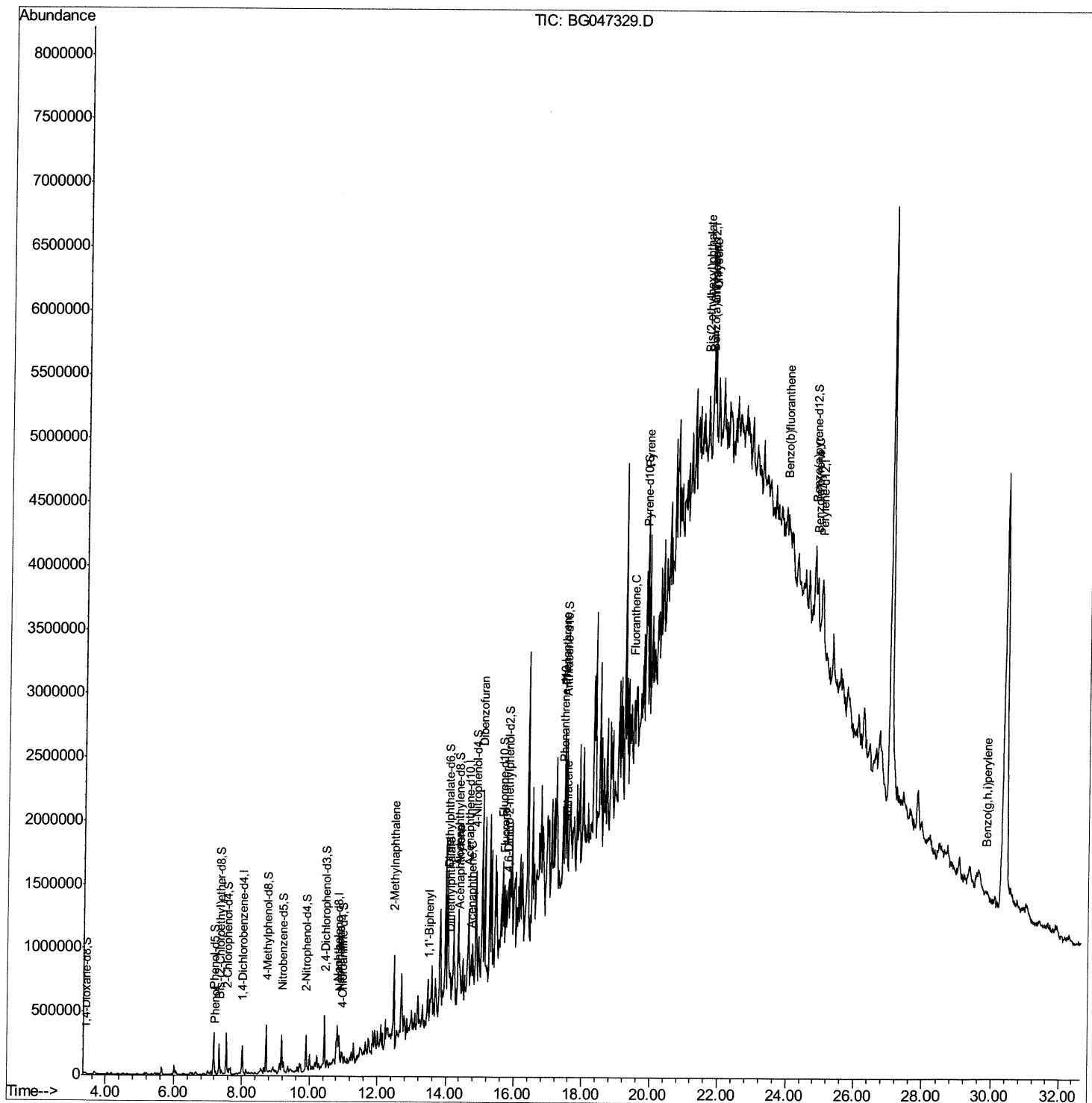
```
Data Path   : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111620\  
Data File   : BG047329.D  
Acq On      : 16 Nov 2020   14:14  
Operator    : CG/JU  
Sample      : L4762-03  
Misc        :  
ALS Vial    : 6      Sample Multiplier: 1
```

Instrument :
BNA_G
ClientSampleId :
C0AB8

Manual Integrations
APPROVED

mohammad
11/17/2020 4:09:47 PM

Quant Time: Nov 16 15:00:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 16 12:10:55 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

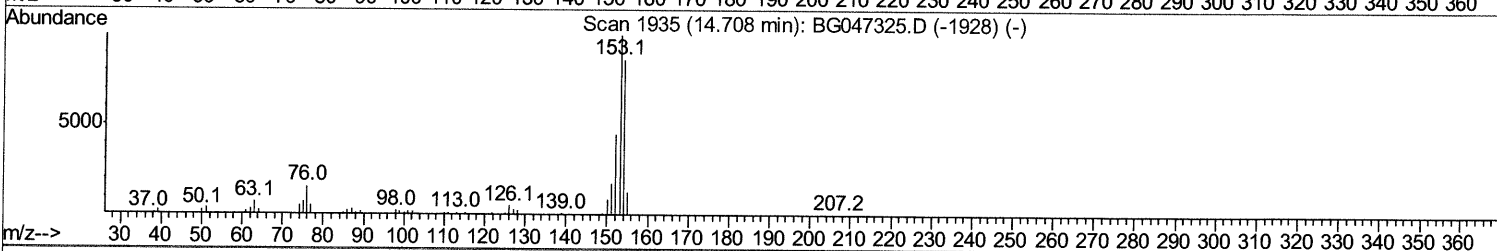
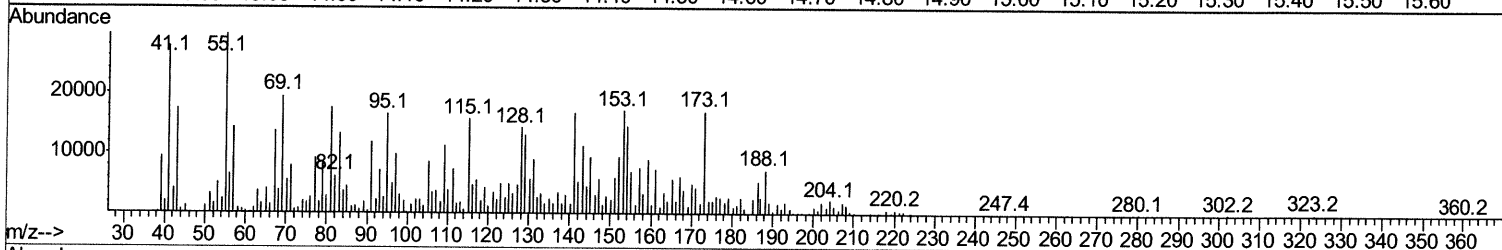
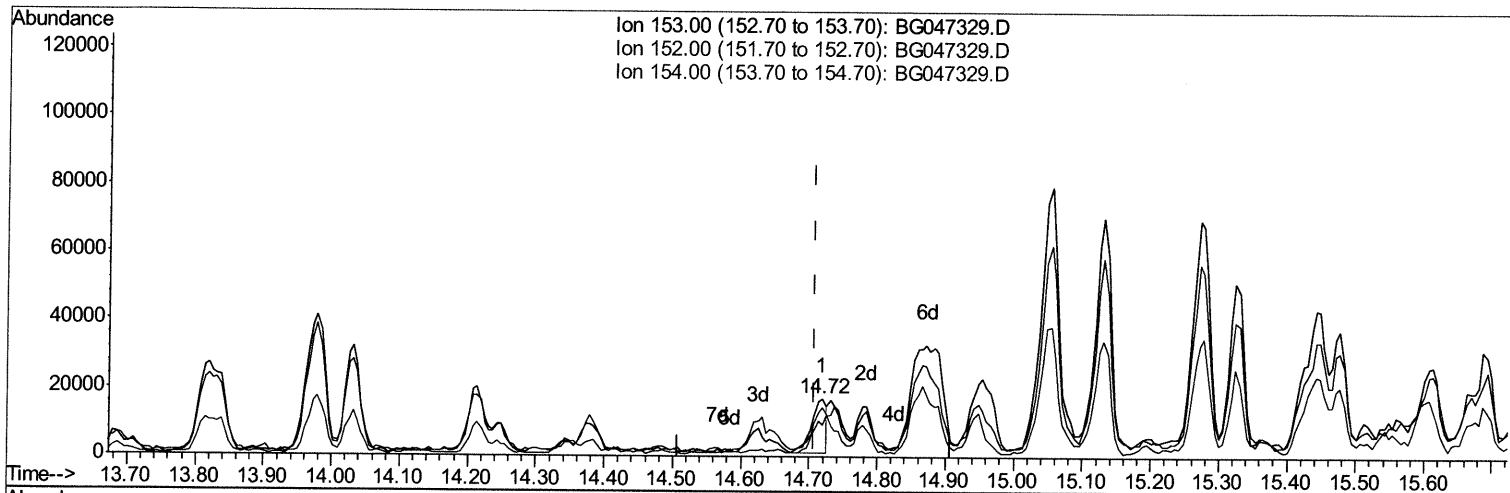
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111620\
 Data File : BG047329.D
 Acq On : 16 Nov 2020 14:14
 Operator : CG/JU
 Sample : L4762-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AB8

Manual Integrations
 APPROVED

mohammad
 11/17/2020 4:09:47 PM

Quant Time: Nov 16 14:51:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 16 12:10:55 2020
 Response via : Initial Calibration



TIC: BG047329.D

(50) Acenaphthene (C)

14.719min (+0.011) 2.51ng/ul

response 24782

Ion	Exp%	Act%
153.00	100	100
152.00	46.20	55.48#
154.00	92.50	84.48
0.00	0.00	0.00

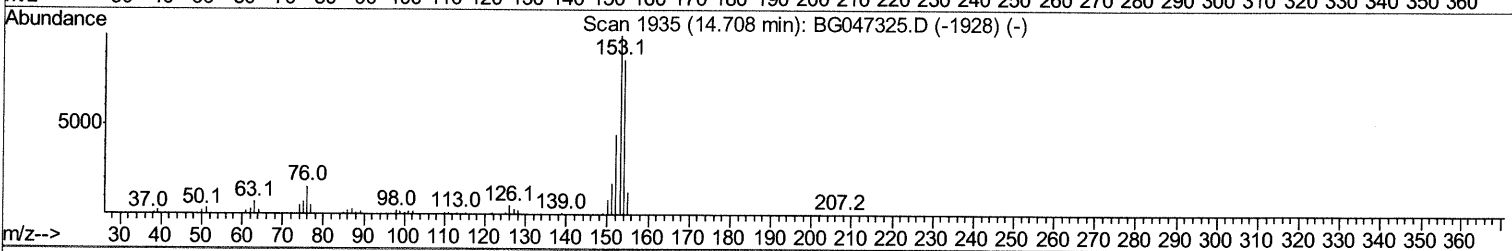
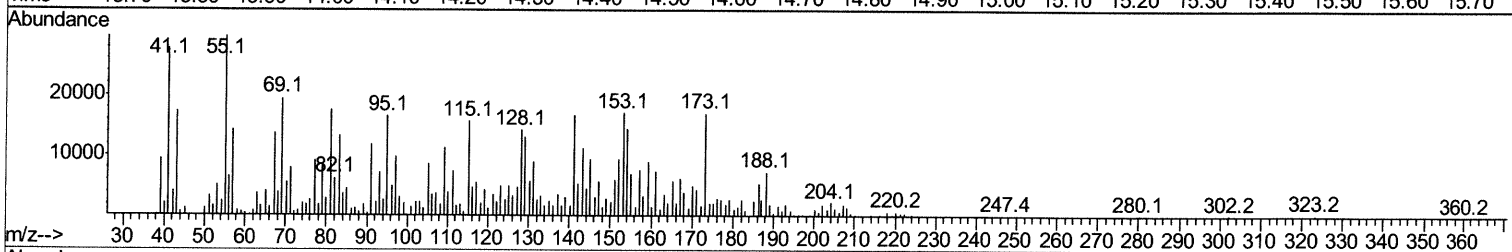
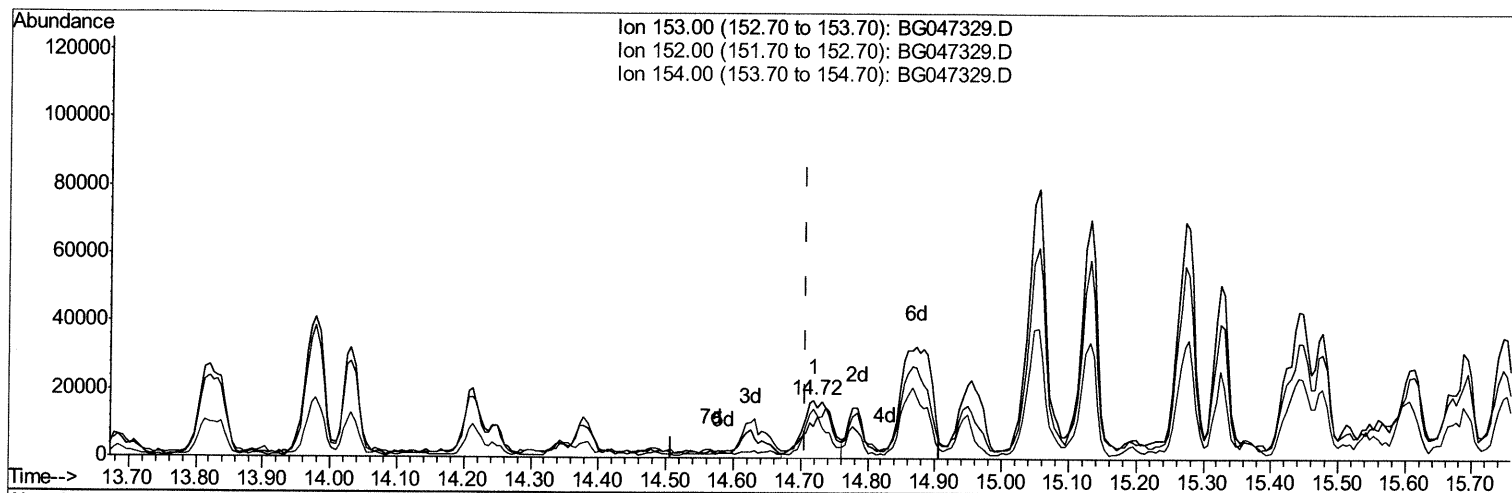
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111620\
Data File : BG047329.D
Acq On : 16 Nov 2020 14:14
Operator : CG/JU
Sample : L4762-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AB8

Manual Integrations
APPROVED

mohammad
11/17/2020 4:09:47 PM

Quant Time: Nov 16 14:51:50 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 16 12:10:55 2020
Response via : Initial Calibration



TIC: BG047329.D

(50) Acenaphthene (C)

14.719min (+0.011) 5.28ng/ul m 12/03/20 JU

response 52059

Ion	Exp%	Act%
153.00	100	100
152.00	46.20	55.48#
154.00	92.50	84.48
0.00	0.00	0.00

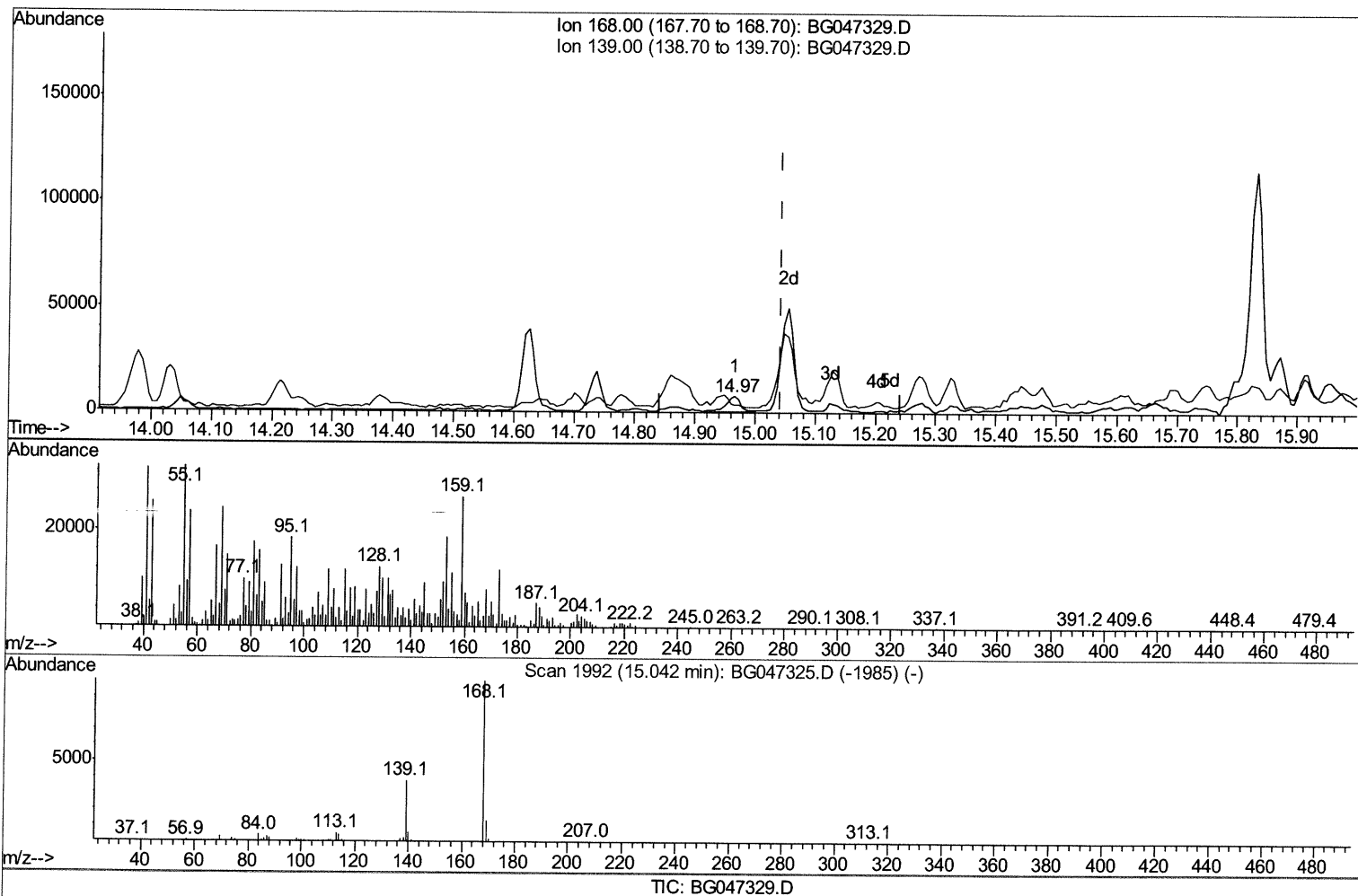
```
Data Path   : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111620\  
Data File  : BG047329.D  
Acq On     : 16 Nov 2020   14:14  
Operator   : CG/JU  
Sample     : L4762-03  
Misc       :  
ALS Vial   : 6      Sample Multiplier: 1
```

Instrument :
BNA_G
ClientSampleId :
C0AB8

Manual Integrations
APPROVED

mohammad
11/17/2020 4:09:47 PM

Quant Time: Nov 16 14:51:50 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 16 12:10:55 2020
Response via : Initial Calibration



TIC: BG047329.D

(54) Dibenzofuran

14.966min (-0.077) 0.82ng/ul

response 11715

Ion	Exp%	Act%
168.00	100	100
139.00	39.40	47.12
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

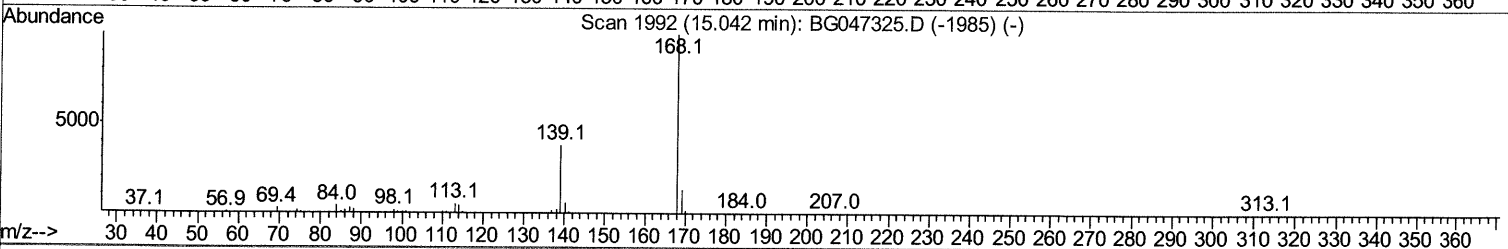
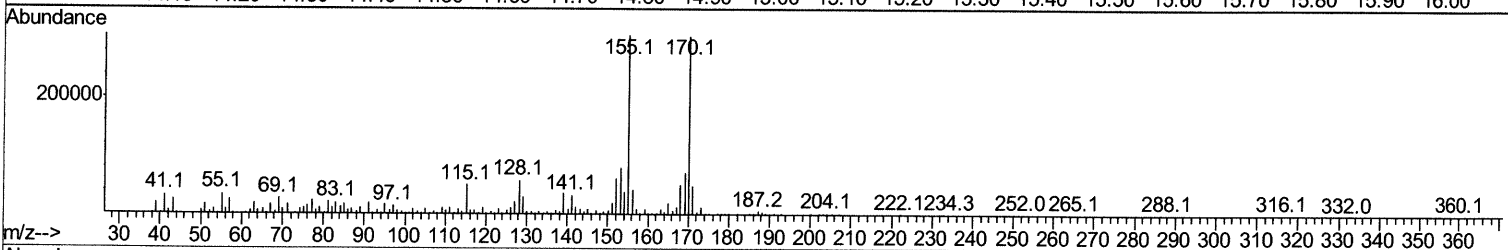
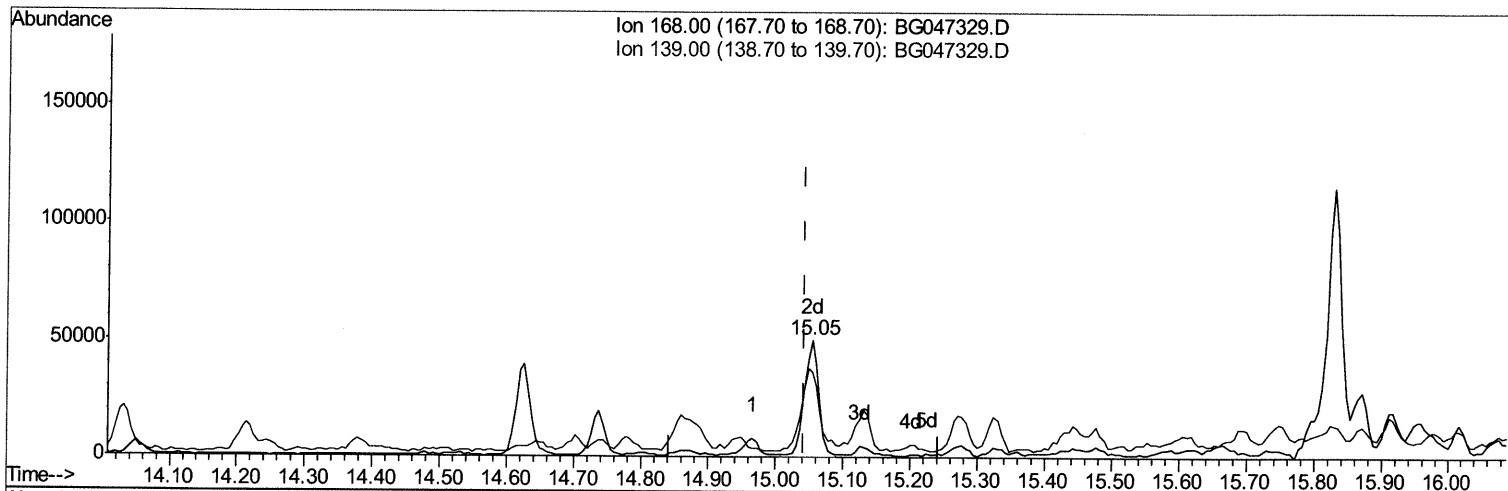
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111620\
 Data File : BG047329.D
 Acq On : 16 Nov 2020 14:14
 Operator : CG/JU
 Sample : L4762-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
ClientSampled :
 C0AB8

Manual Integrations
APPROVED

mohammad
 11/17/2020 4:09:47 PM

Quant Time: Nov 16 14:51:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 16 12:10:55 2020
 Response via : Initial Calibration



TIC: BG047329.D

(54) Dibenzofuran

15.054min (+0.011) 5.30ng/ul m 12/03/20 JU

response 76039

Ion	Exp%	Act%
168.00	100	100
139.00	39.40	72.91#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

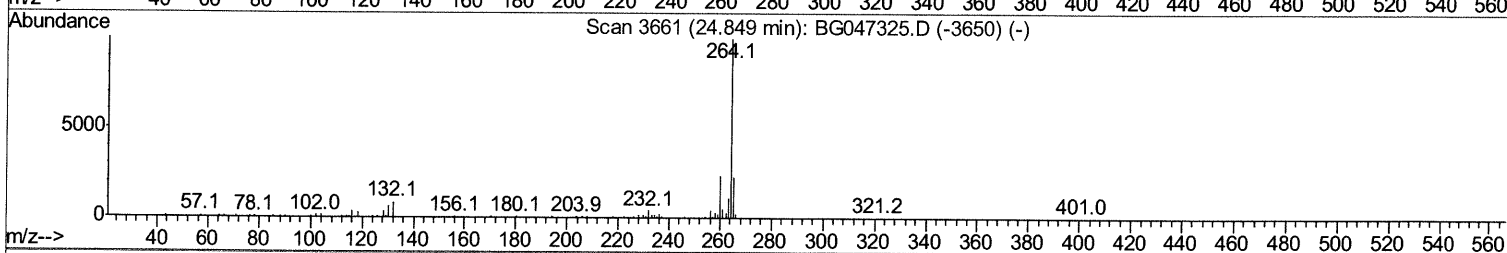
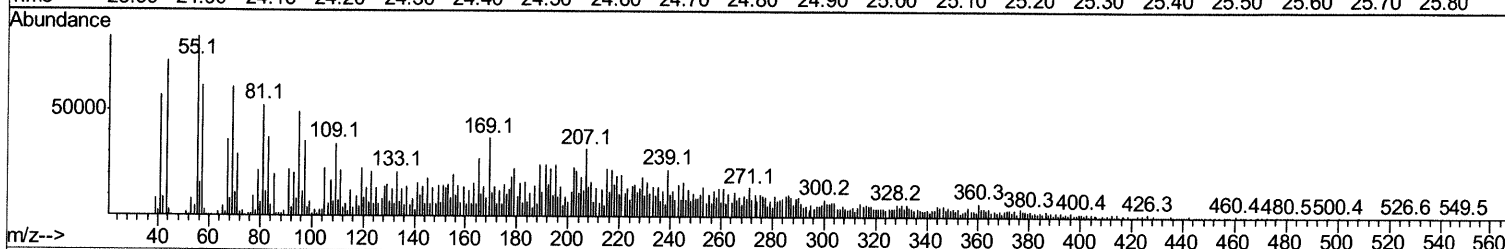
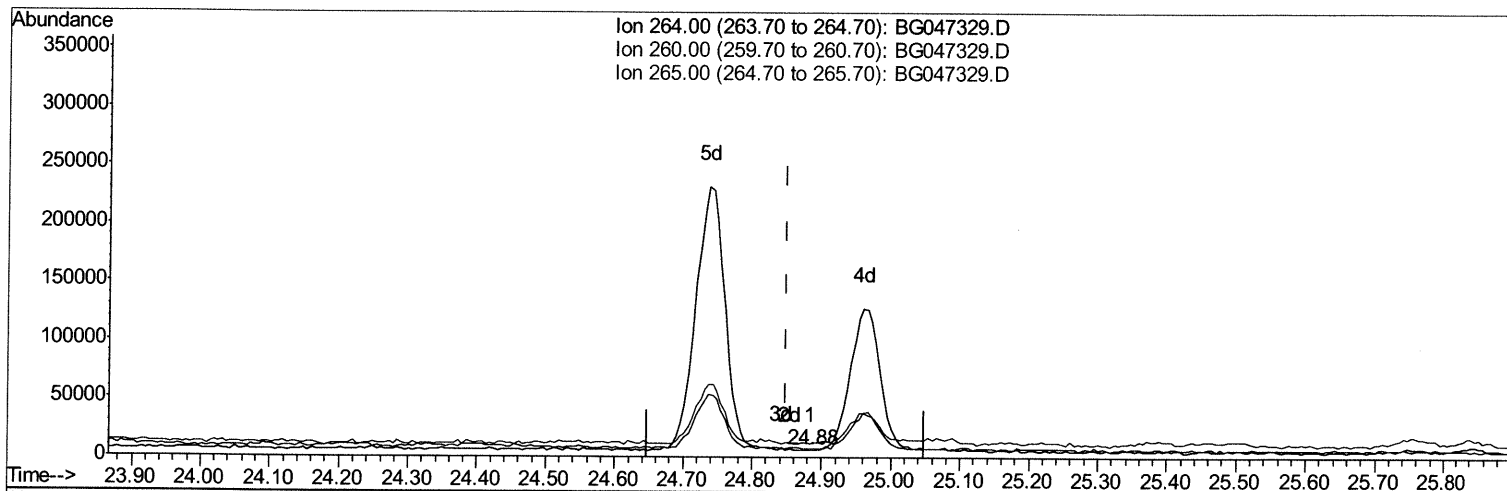
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111620\
 Data File : BG047329.D
 Acq On : 16 Nov 2020 14:14
 Operator : CG/JU
 Sample : L4762-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
ClientSampleId :
 C0AB8

Manual Integrations
APPROVED

mohammad
 11/17/2020 4:09:47 PM

Quant Time: Nov 16 14:51:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 16 12:10:55 2020
 Response via : Initial Calibration



TIC: BG047329.D

(86) Perylene-d12 (I)

24.884min (+0.035) 20.00ng/ul

response 840

Ion	Exp%	Act%
264.00	100	100
260.00	24.30	98.44#
265.00	22.20	161.91#
0.00	0.00	0.00

Quantitation Report (Qedit)

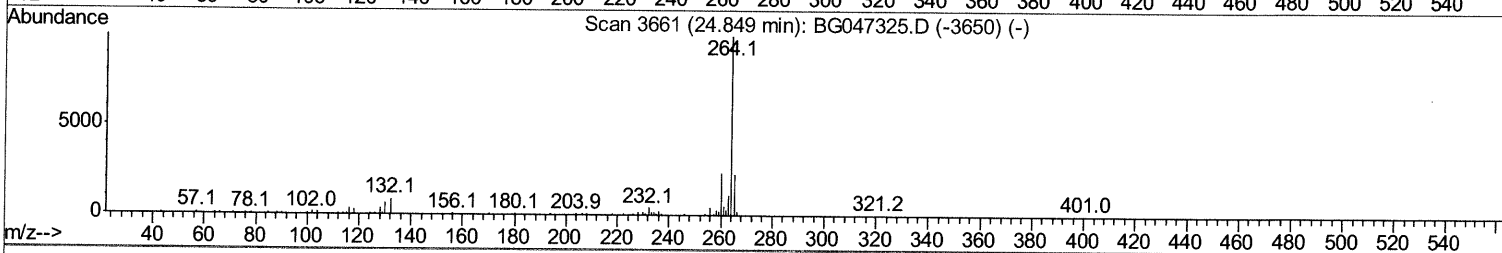
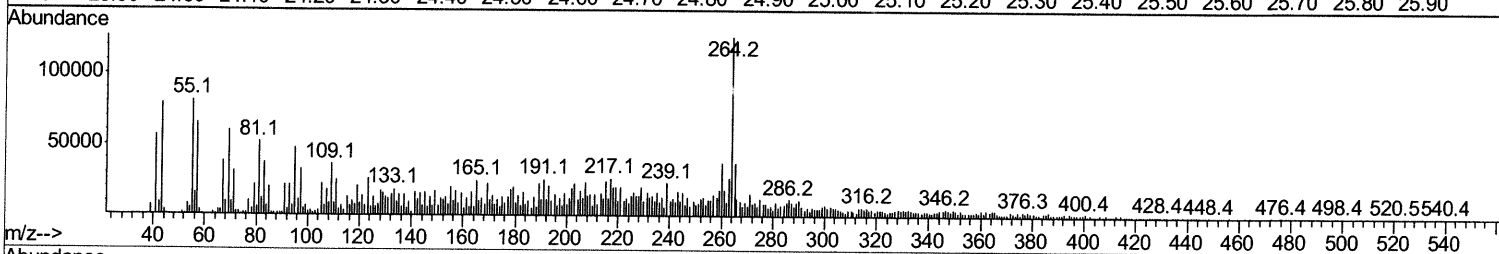
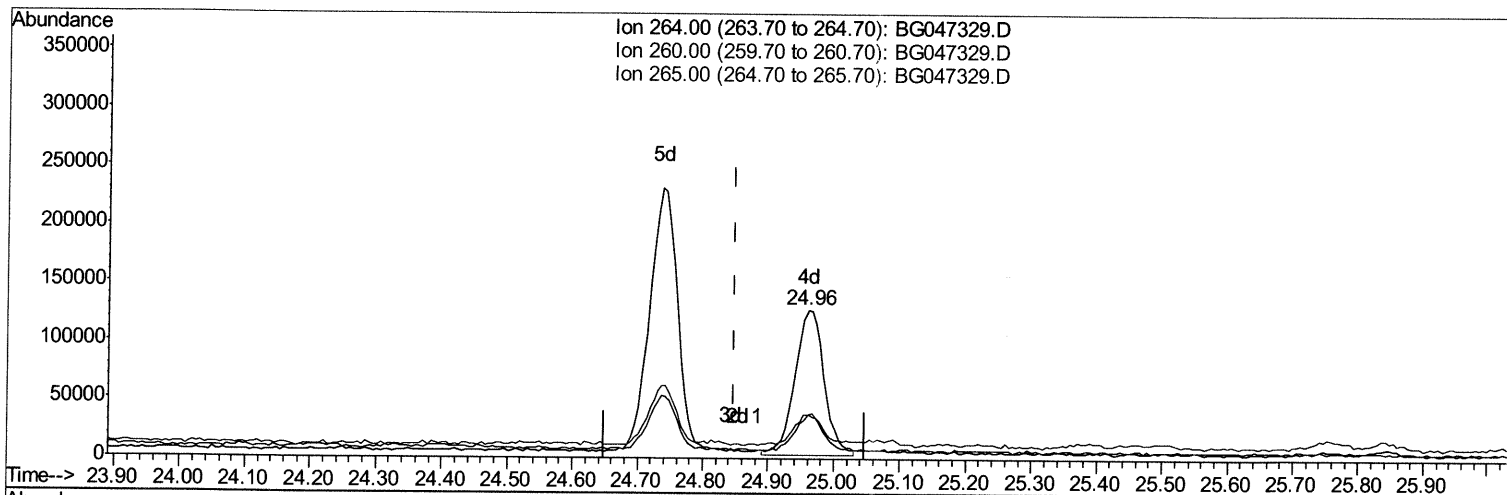
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111620\
 Data File : BG047329.D
 Acq On : 16 Nov 2020 14:14
 Operator : CG/JU
 Sample : L4762-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AB8

Manual Integrations
 APPROVED

mohammad
 11/17/2020 4:09:47 PM

Quant Time: Nov 16 14:51:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 16 12:10:55 2020
 Response via : Initial Calibration



TIC: BG047329.D

(86) Perylene-d12 (I)

24.960min (+0.111) 20.00ng/ul m (2/03/20 54

response 388986

Ion	Exp%	Act%
264.00	100	100
260.00	24.30	29.64#
265.00	22.20	29.89#
0.00	0.00	0.00

Quantitation Report (Qedit)

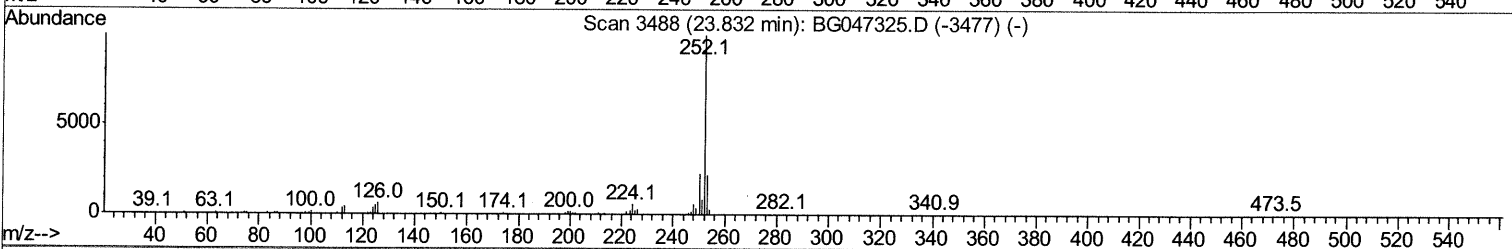
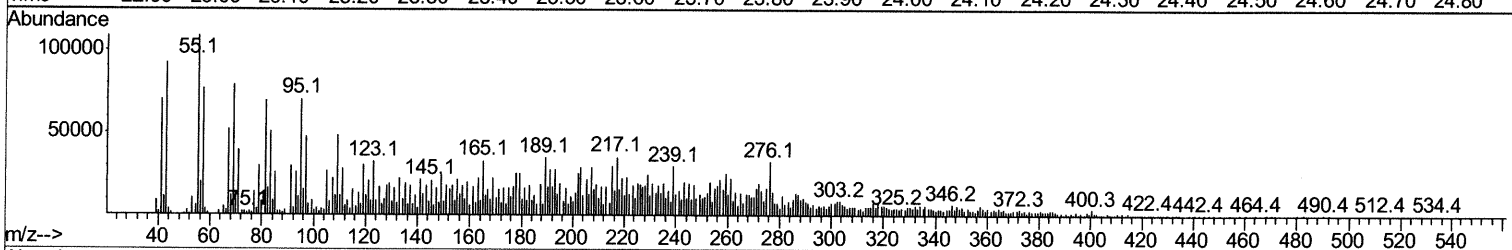
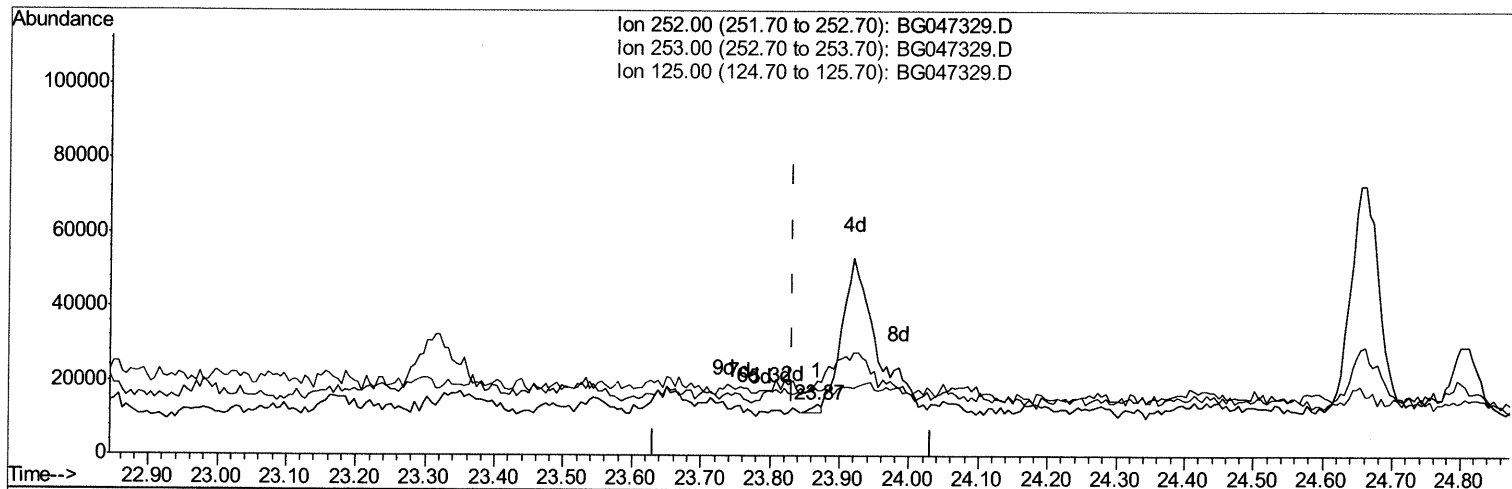
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111620\
 Data File : BG047329.D
 Acq On : 16 Nov 2020 14:14
 Operator : CG/JU
 Sample : L4762-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AB8

Manual Integrations
 APPROVED

mohammad
 11/17/2020 4:09:47 PM

Quant Time: Nov 16 14:57:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 16 12:10:55 2020
 Response via : Initial Calibration



TIC: BG047329.D

(88) Benzo(b)fluoranthene

23.867min (+0.035) 0.10ng/ul

response 2460

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	146.44#
125.00	4.60	127.26#
0.00	0.00	0.00

Quantitation Report (Qedit)

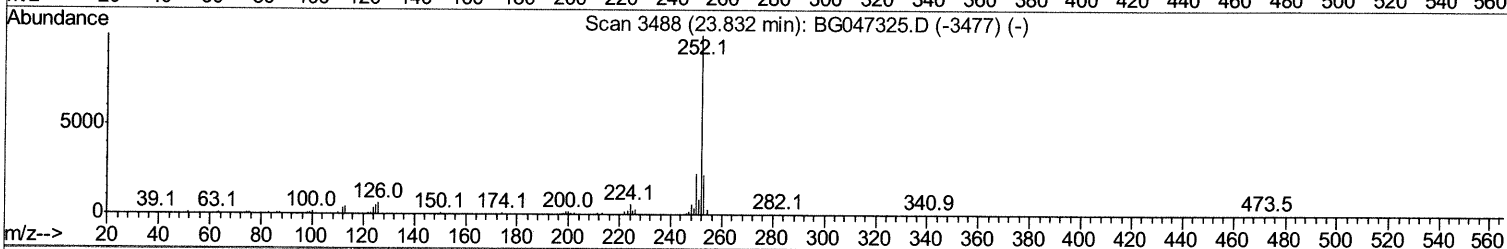
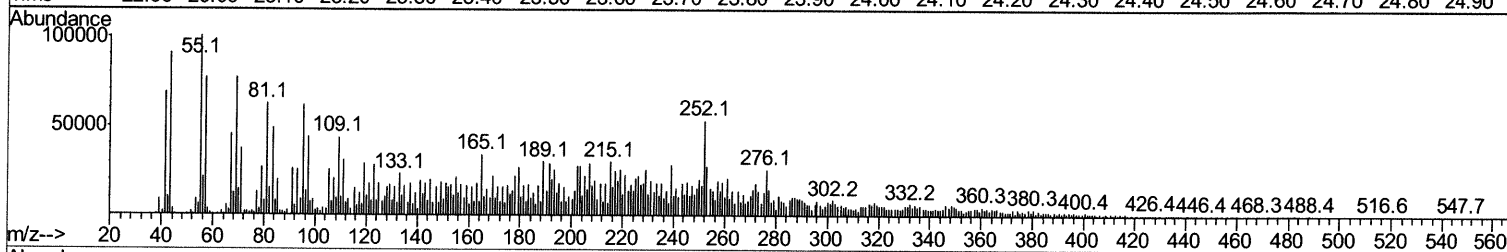
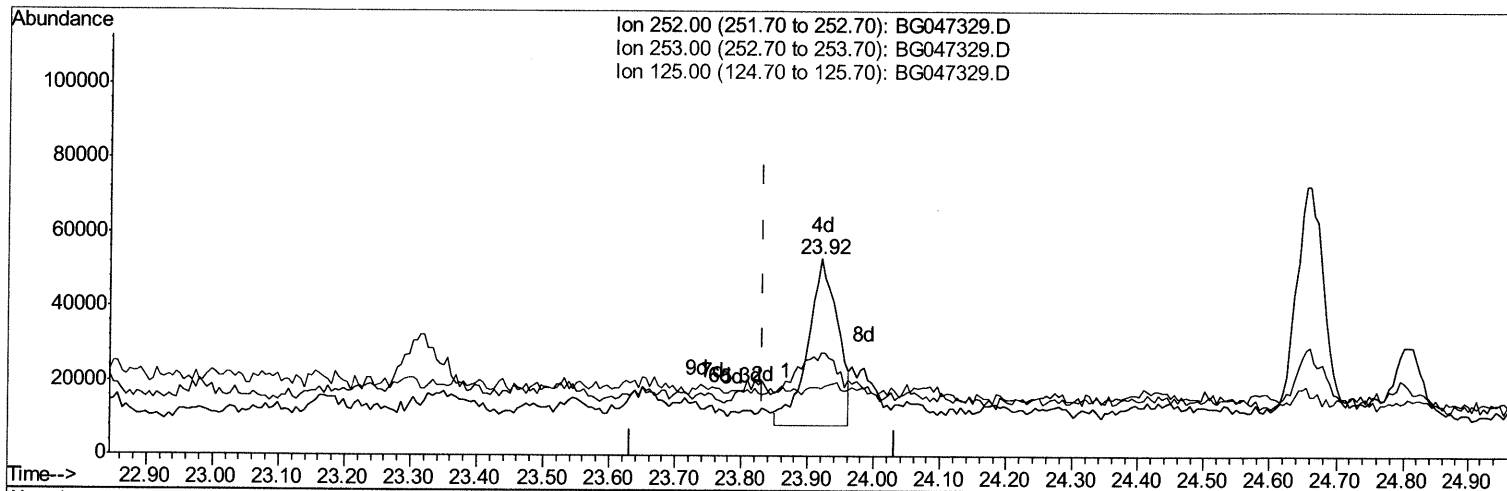
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111620\
Data File : BG047329.D
Acq On : 16 Nov 2020 14:14
Operator : CG/JU
Sample : L4762-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AB8

Manual Integrations
APPROVED

mohammad
11/17/2020 4:09:47 PM

Quant Time: Nov 16 14:57:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 16 12:10:55 2020
Response via : Initial Calibration



TIC: BG047329.D

(88) Benzo(b)fluoranthene

23.920min (+0.088) 5.48ng/ul m 12/03/2020

response 141688

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	52.06#
125.00	4.60	34.55#
0.00	0.00	0.00

Quantitation Report (Qedit)

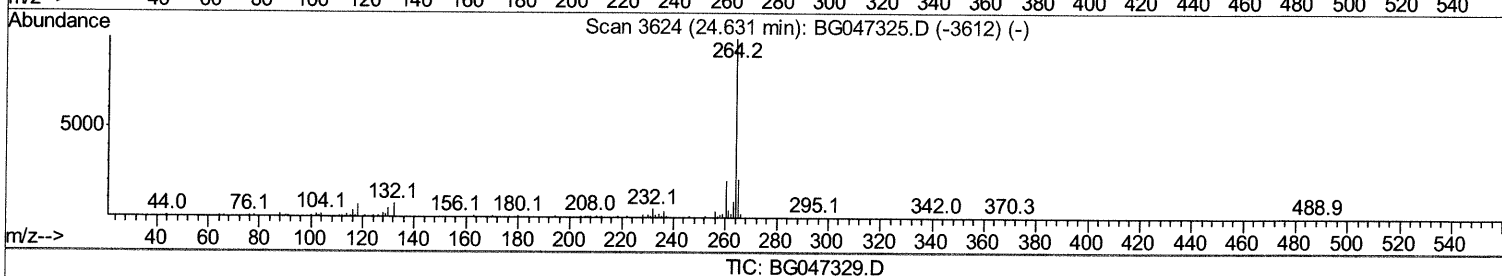
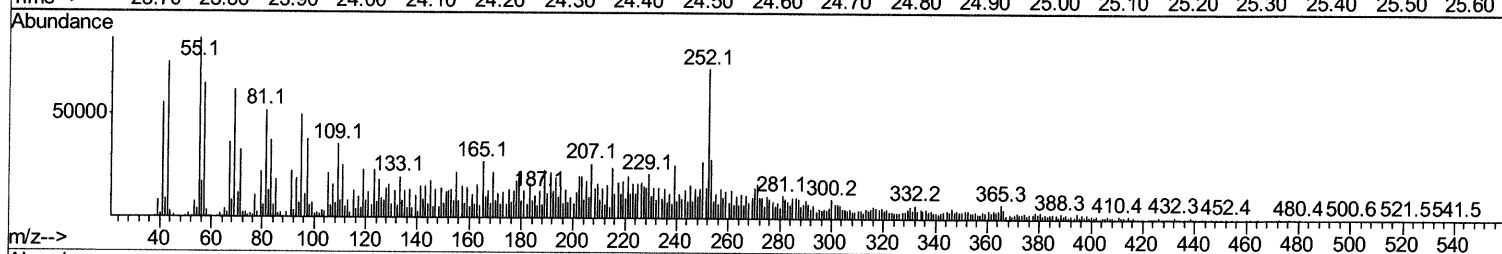
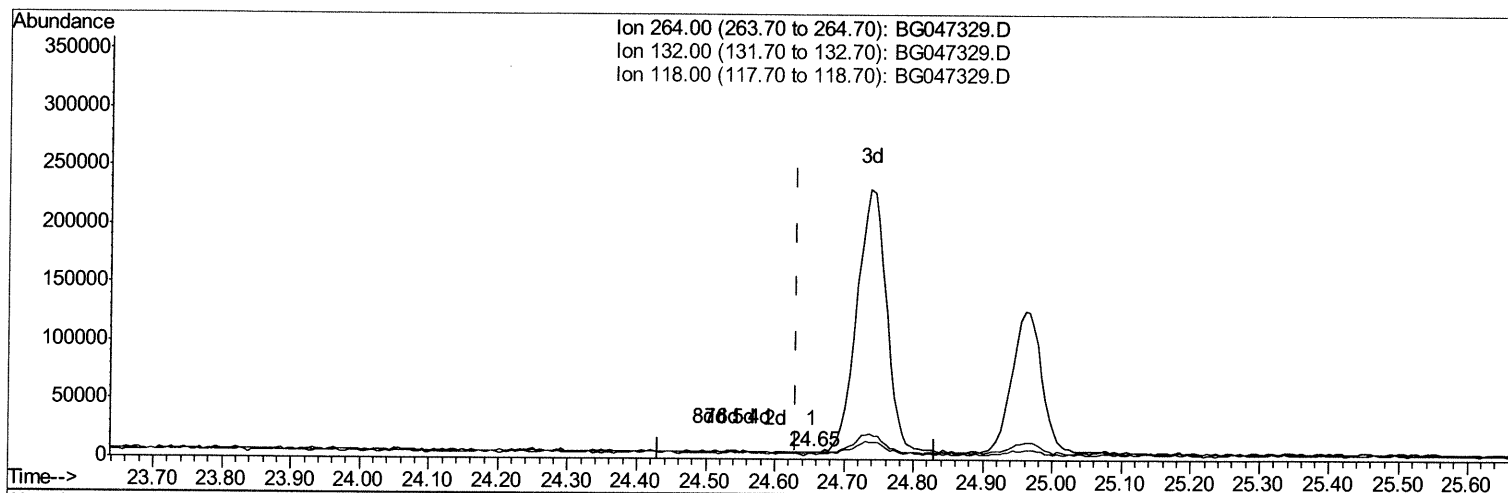
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111620\
Data File : BG047329.D
Acq On : 16 Nov 2020 14:14
Operator : CG/JU
Sample : L4762-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AB8

Manual Integrations
APPROVED

mohammad
11/17/2020 4:09:47 PM

Quant Time: Nov 16 14:57:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 16 12:10:55 2020
Response via : Initial Calibration



TIC: BG047329.D

(90) Benzo(a)pyrene-d12 (S)

24.654min (+0.023) 0.04ng/ul

response 749

Ion	Exp%	Act%
264.00	100	100
132.00	8.60	92.12#
118.00	5.20	80.09#
0.00	0.00	0.00

Quantitation Report (Qedit)

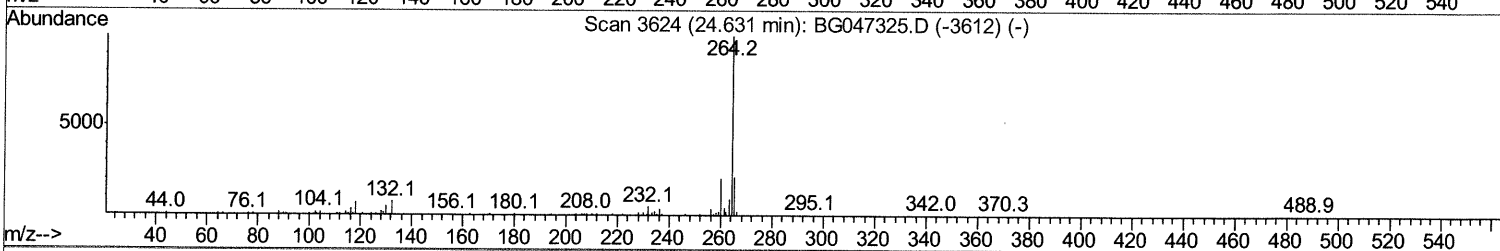
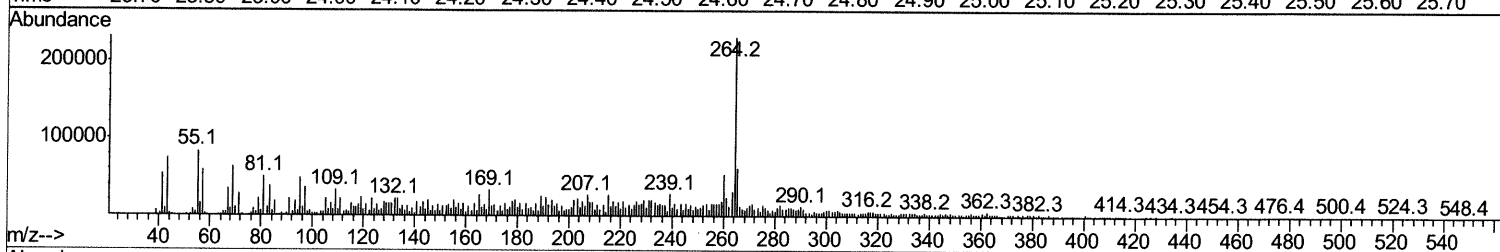
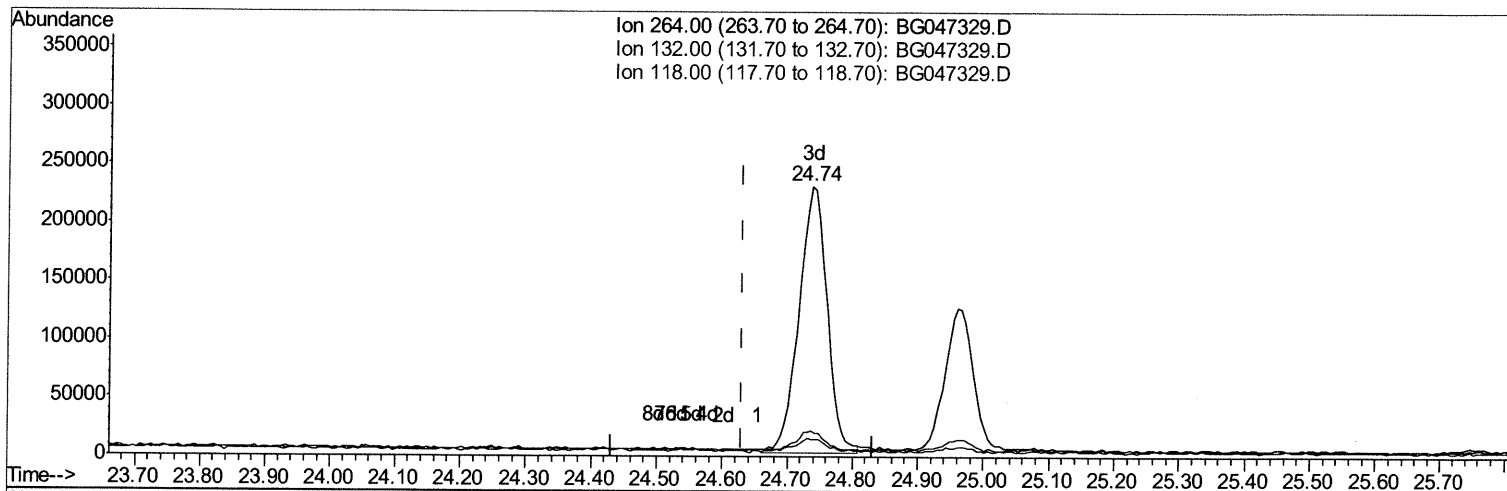
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111620\
Data File : BG047329.D
Acq On : 16 Nov 2020 14:14
Operator : CG/JU
Sample : L4762-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AB8

Manual Integrations
APPROVED

mohammad
11/17/2020 4:09:47 PM

Quant Time: Nov 16 14:57:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 16 12:10:55 2020
Response via : Initial Calibration



TIC: BG047329.D

(90) Benzo(a)pyrene-d12 (S)

24.737min (+0.105) 32.06ng/ul m 12/03/2024

response 685509

Ion	Exp%	Act%
-----	------	------

264.00	100	100
--------	-----	-----

132.00	8.60	9.54
--------	------	------

118.00	5.20	6.27#
--------	------	-------

0.00	0.00	0.00
------	------	------

Quantitation Report (Qedit)

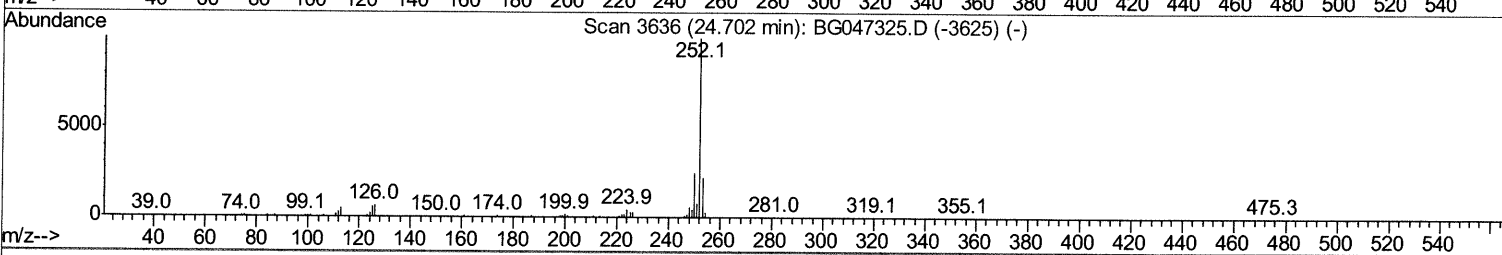
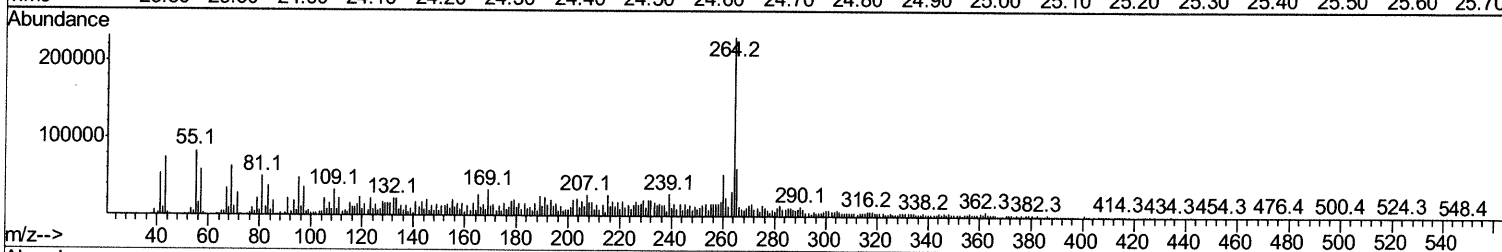
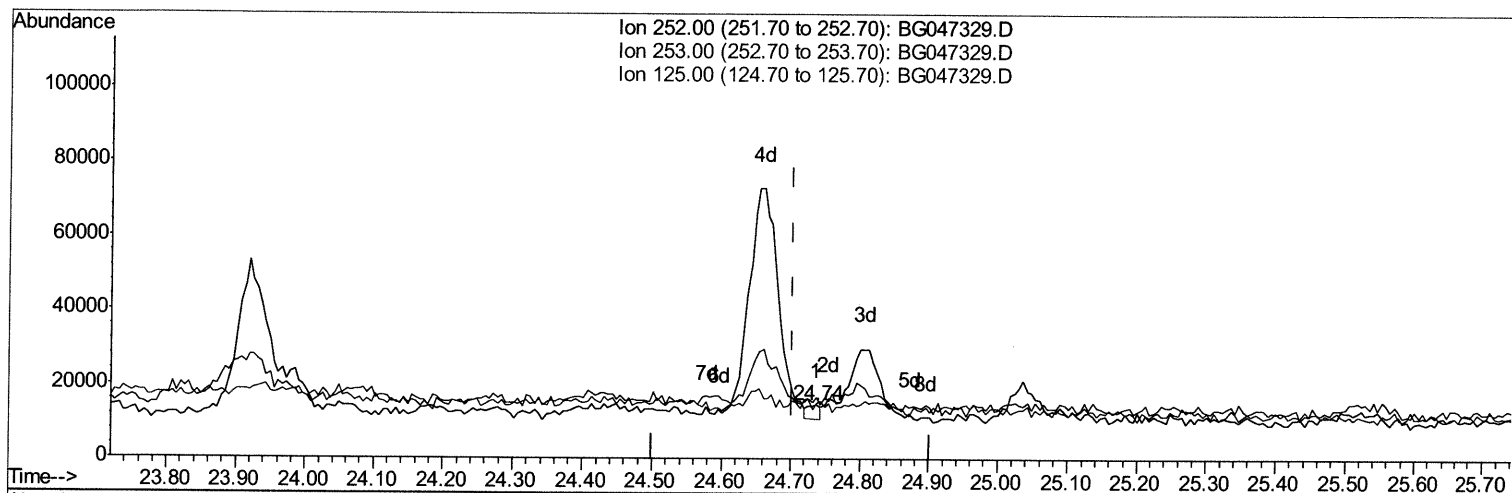
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111620\
Data File : BG047329.D
Acq On : 16 Nov 2020 14:14
Operator : CG/JU
Sample : L4762-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AB8

Manual Integrations
APPROVED

mohammad
11/17/2020 4:09:47 PM

Quant Time: Nov 16 14:57:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 16 12:10:55 2020
Response via : Initial Calibration



TIC: BG047329.D

(91) Benzo(a)pyrene (C)

24.737min (+0.035) 0.20ng/ul

response 4761

Ion	Exp%	Act%
252.00	100	100
253.00	22.20	113.88#
125.00	5.30	103.36#
0.00	0.00	0.00

Quantitation Report (Qedit)

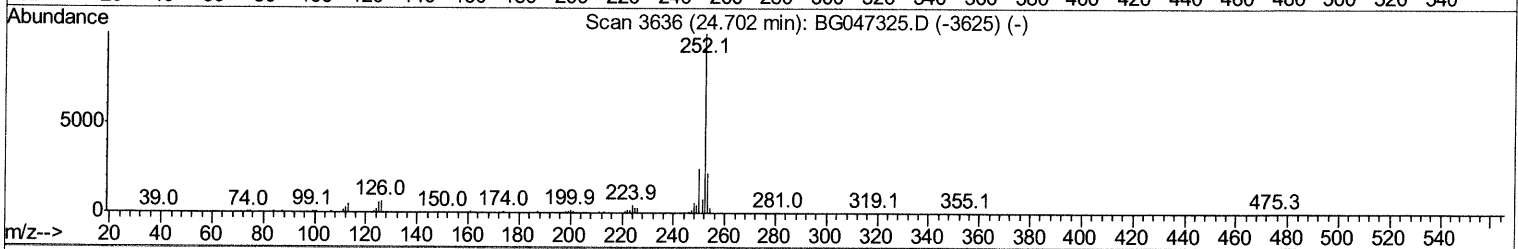
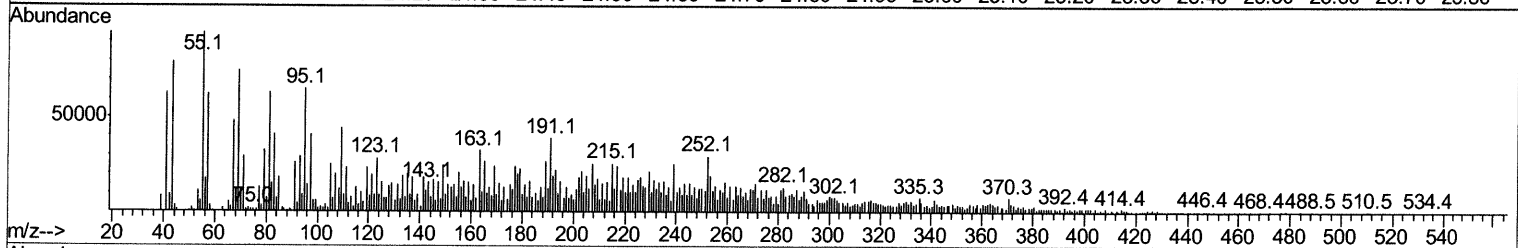
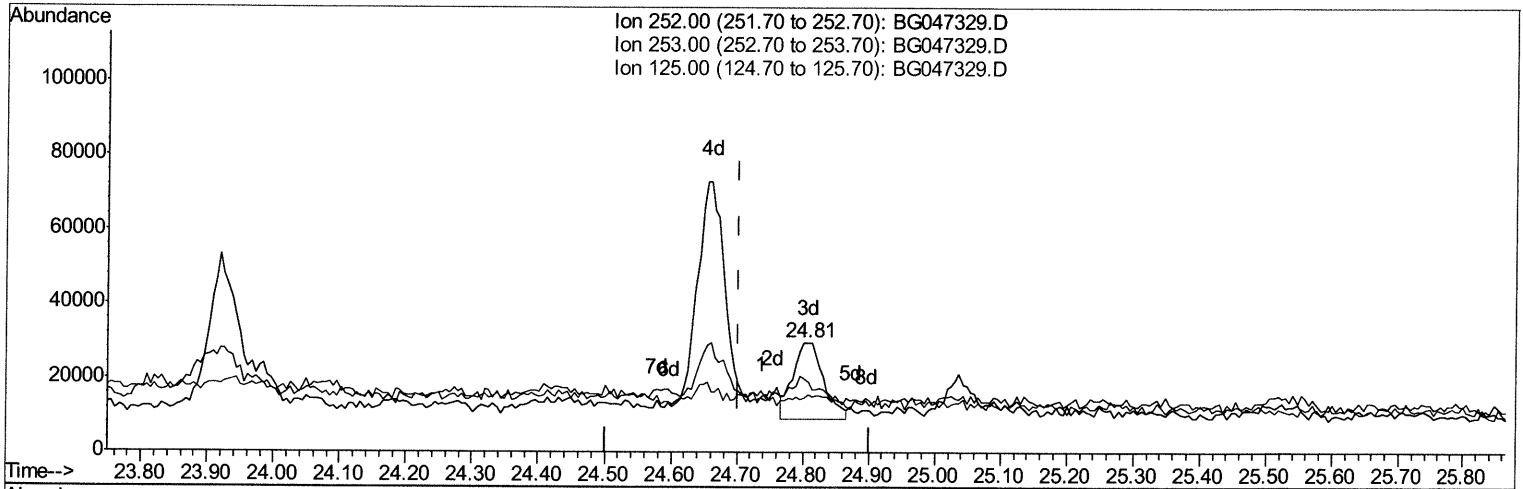
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111620\
 Data File : BG047329.D
 Acq On : 16 Nov 2020 14:14
 Operator : CG/JU
 Sample : L4762-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
ClientSampleId :
 C0AB8

Manual Integrations
APPROVED

mohammad
 11/17/2020 4:09:47 PM

Quant Time: Nov 16 14:57:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 16 12:10:55 2020
 Response via : Initial Calibration



TIC: BG047329.D

(91) Benzo(a)pyrene (C)

24.807min (+0.105) 2.84ng/ul m 12/03/2024

response 66182

Ion	Exp%	Act%
252.00	100	100
253.00	22.20	63.23#
125.00	5.30	52.51#
0.00	0.00	0.00

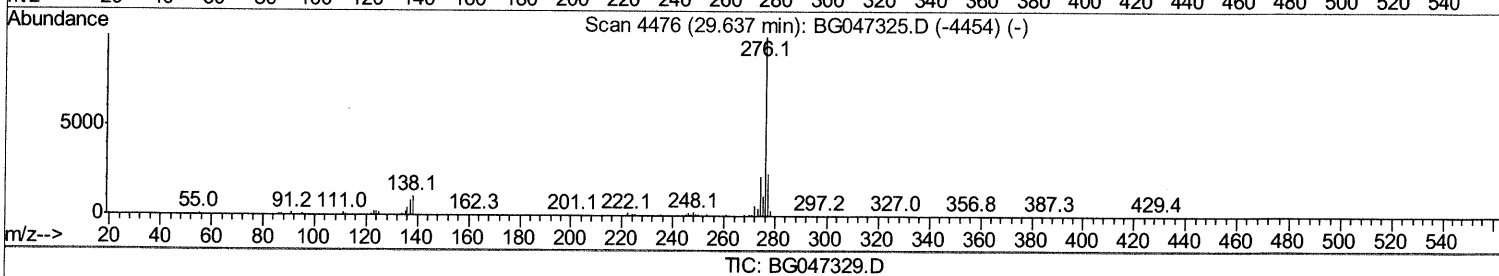
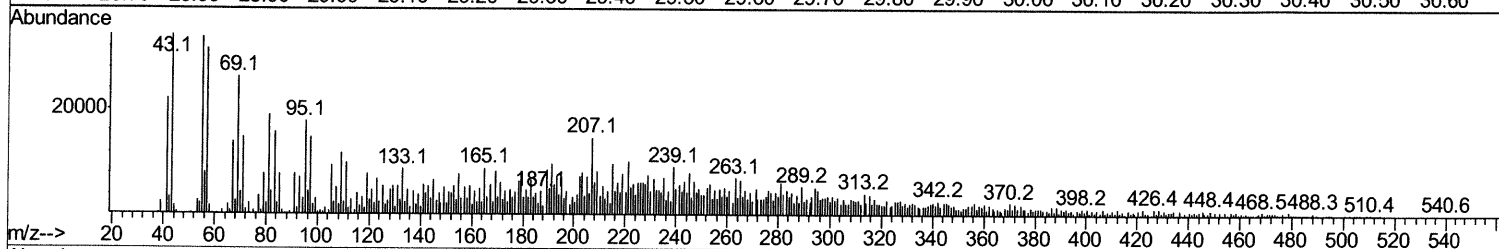
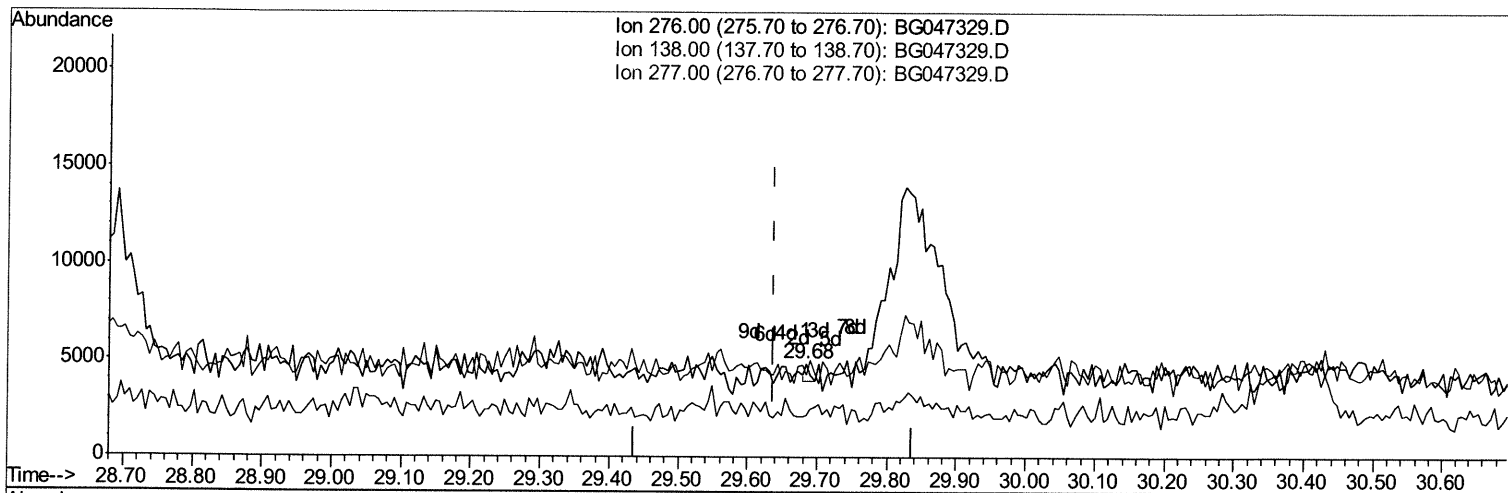
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111620\
Data File : BG047329.D
Acq On : 16 Nov 2020 14:14
Operator : CG/JU
Sample : L4762-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
C0AB8

Manual Integrations
APPROVED

mohammad
11/17/2020 4:09:47 PM

Quant Time: Nov 16 14:57:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 16 12:10:55 2020
Response via : Initial Calibration



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

29.684min (+0.047) 0.02ng/ui

response 432

Ion	Exp%	Act%
276.00	100	100
138.00	11.30	44.38#
277.00	24.00	88.46#
0.00	0.00	0.00

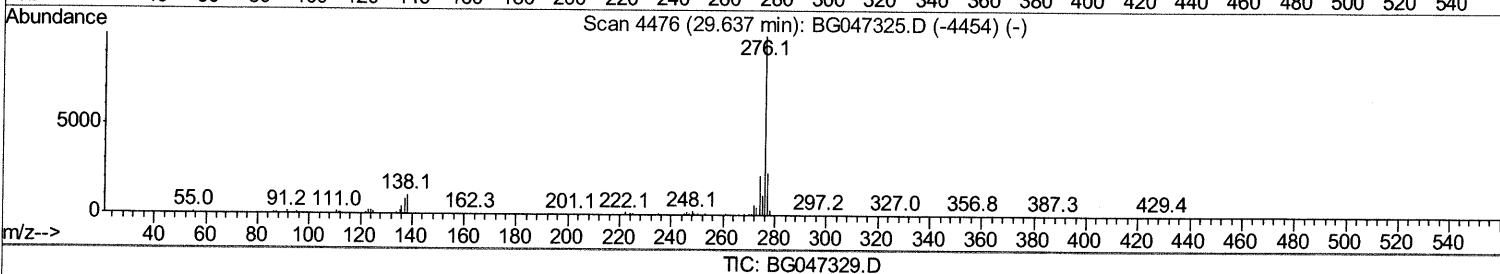
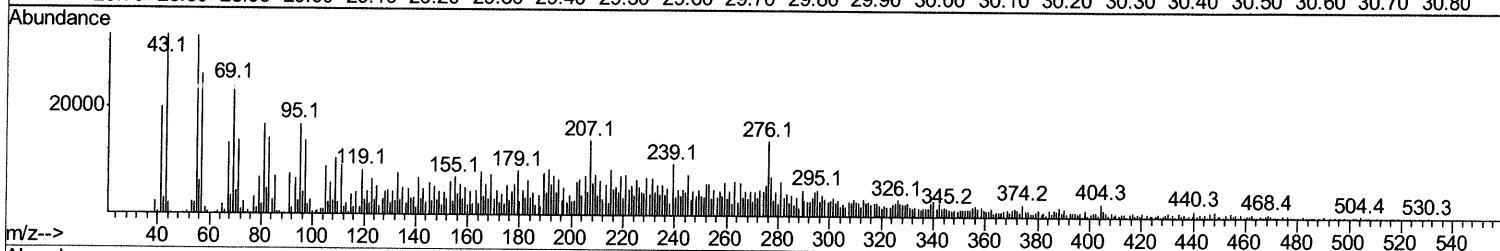
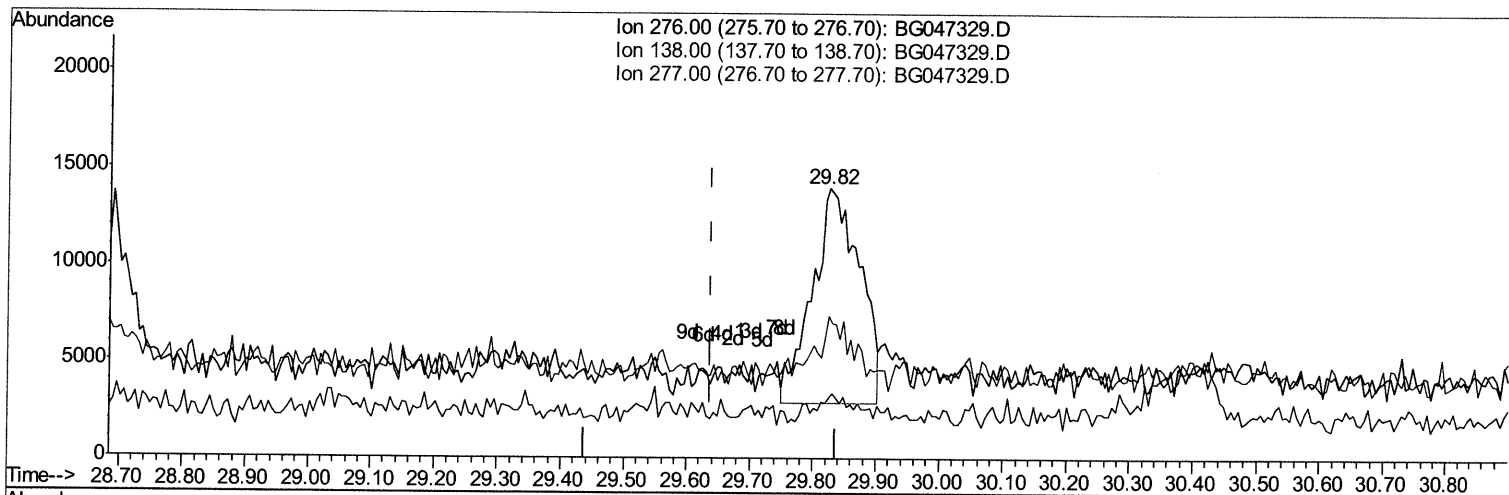
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111620\
Data File : BG047329.D
Acq On : 16 Nov 2020 14:14
Operator : CG/JU
Sample : L4762-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AB8

Manual Integrations
APPROVED

mohammad
11/17/2020 4:09:47 PM

Quant Time: Nov 16 15:00:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 16 12:10:55 2020
Response via : Initial Calibration



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

29.825min (+0.188) 2.41ng/ul m 12/03/2024

response 58134

Ion	Exp%	Act%
276.00	100	100
138.00	11.30	22.28#
277.00	24.00	52.85#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111620\
 Data File : BG047329.D
 Acq On : 16 Nov 2020 14:14
 Operator : CG/JU
 Sample : L4762-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AB8

Manual Integrations
 APPROVED

mohammad
 11/17/2020 4:09:47 PM

Quant Time: Nov 16 15:00:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG102220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 16 12:10:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	63909	20.00	ng/ul	0.01
18) Naphthalene-d8	10.82	136	230244	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.65	164	149760	20.00	ng/ul	0.01
62) Phenanthrene-d10	17.41	188	292895	20.00	ng/ul	0.02
78) Chrysene-d12	21.69	240	356820	20.00	ng/ul	0.03
86) Perylene-d12	24.96	264	388986m>	20.00	ng/ul>	0.11 12/03/2020

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.40	96	7265	4.59	ng/uL	0.01
5) Phenol-d5	7.17	99	171005	30.83	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.33	67	98635	30.92	ng/ul	0.01
9) 2-Chlorophenol-d4	7.55	132	139417	32.32	ng/ul	0.01
13) 4-Methylphenol-d8	8.72	113	138625	31.32	ng/ul	0.01
19) Nitrobenzene-d5	9.18	128	68697	35.60	ng/ul	0.01
22) 2-Nitrophenol-d4	9.90	143	79198	35.13	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.45	165	147746	33.59	ng/ul	0.01
29) 4-Chloroaniline-d4	10.95	131	64765	17.27	ng/ul	0.00
44) Dimethylphthalate-d6	14.06	166	377511	30.66	ng/ul	0.01
47) Acenaphthylene-d8	14.35	160	470365	32.29	ng/ul	0.01
52) 4-Nitrophenol-d4	14.87	143	61672	31.82	ng/ul	0.02
58) Fluorene-d10	15.65	176	333987	29.21	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.78	200	3097	1.53	ng/ul	0.03
71) Anthracene-d10	17.51	188	502356	35.39	ng/ul	0.02
79) Pyrene-d10	19.80	212	595768	29.27	ng/ul	0.02
90) Benzo(a)pyrene-d12	24.74	264	685509m>	32.06	ng/ul>	0.11 12/03/2020

Target Compounds

					Ovalue	
6) Phenol	7.20	94	5588	1.032	ng/ul#	67
28) Naphthalene	10.88	128	110159	8.516	ng/ul#	97
34) 2-Methylnaphthalene	12.48	142	333893	36.181	ng/ul	98
41) 1,1'-Biphenyl	13.49	154	50991	4.316	ng/ul	92
45) Dimethylphthalate	14.10	163	84760	6.859	ng/ul#	87
48) Acenaphthylene	14.38	152	14987	1.100	ng/ul#	1
50) Acenaphthene	14.72	153	52059m	5.280	ng/ul	12/03/2020
54) Dibenzofuran	15.05	168	76039m	5.299	ng/ul	
59) Fluorene	15.71	166	30118	2.557	ng/ul#	86
70) Phenanthrene	17.45	178	687294	41.838	ng/ul#	96
72) Anthracene	17.54	178	62440	3.782	ng/ul#	72
77) Fluoranthene	19.46	202	186512	9.433	ng/ul#	96
80) Pyrene	19.82	202	705783	28.904	ng/ul	99
83) Benzo(a)anthracene	21.67	228	115669	4.785	ng/ul#	26
84) Bis(2-ethylhexyl)phthalate	21.56	149	54068	4.346	ng/ul#	42
85) Chrysene	21.73	228	158714	6.825	ng/ul#	69
88) Benzo(b)fluoranthene	23.92	252	141688m	5.483	ng/ul	12/03/2020
91) Benzo(a)pyrene	24.81	252	66182m	2.844	ng/ul	
94) Benzo(g,h,i)perylene	29.82	276	58134m	2.405	ng/ul	

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