

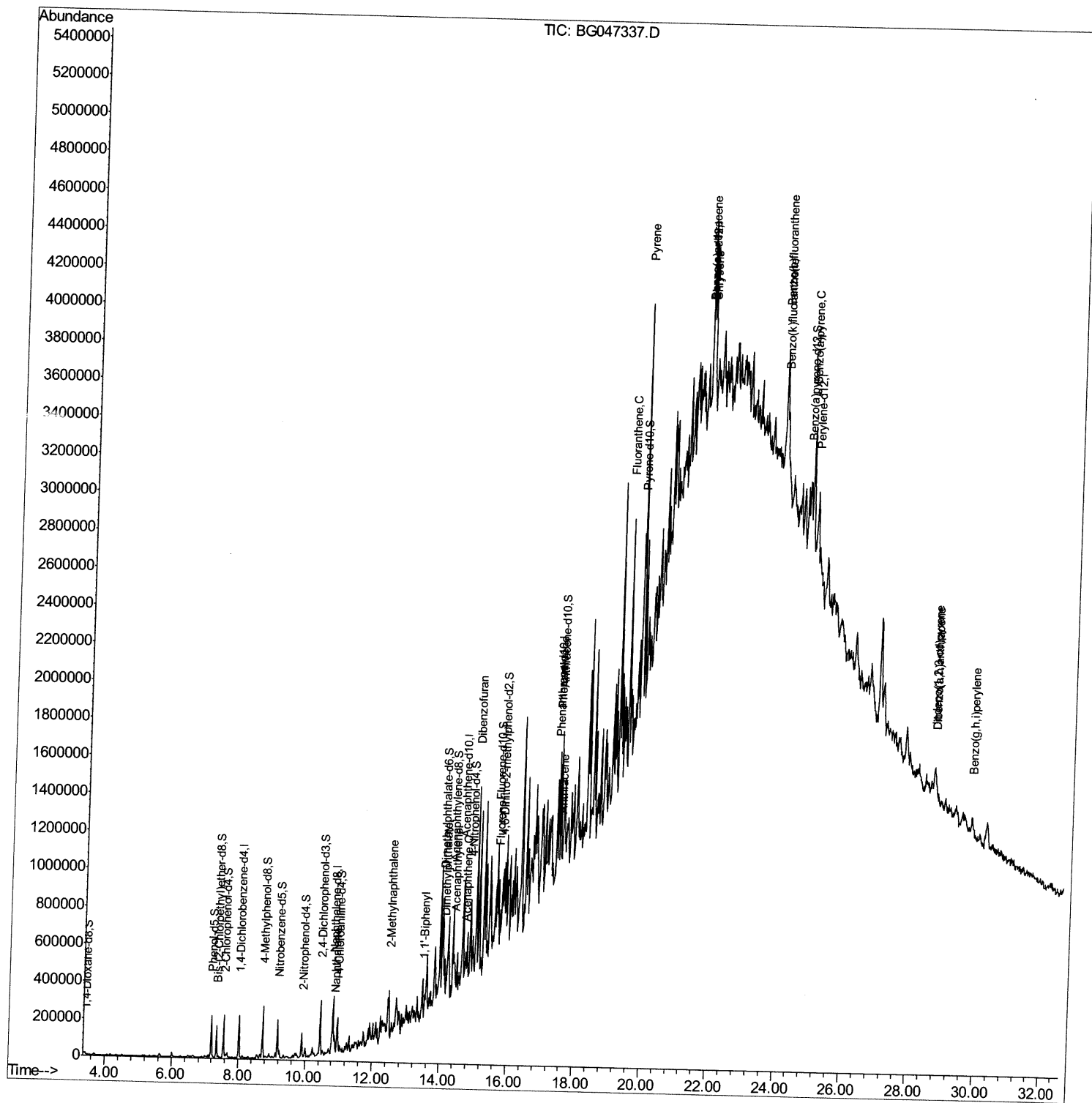
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111620\
Data File : BG047337.D
Acq On : 16 Nov 2020 19:39
Operator : CG/JU
Sample : L4762-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AC9

Manual Integrations
APPROVED

mohammad
11/17/2020 4:10:11 PM

Quant Time: Nov 17 07:44:34 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)

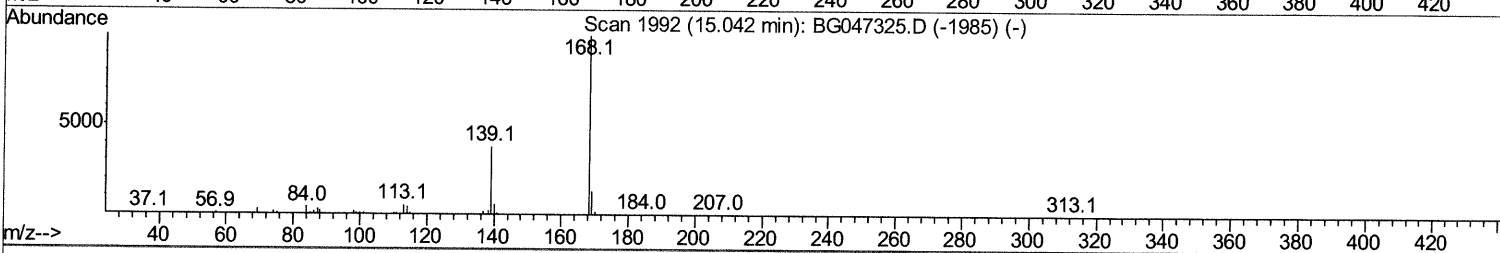
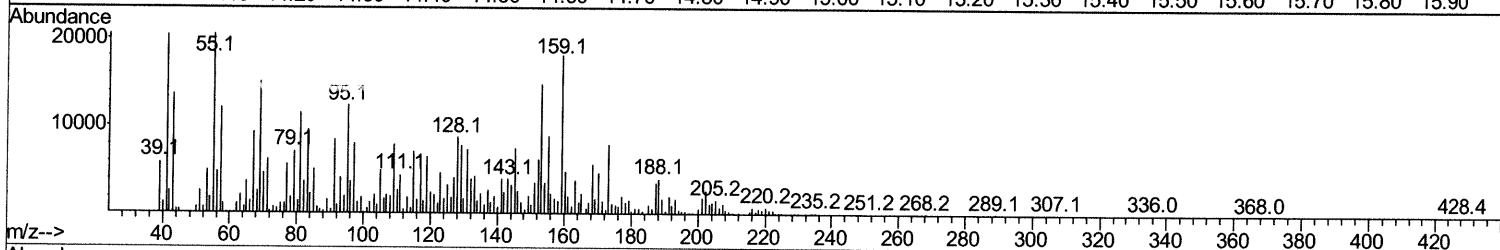
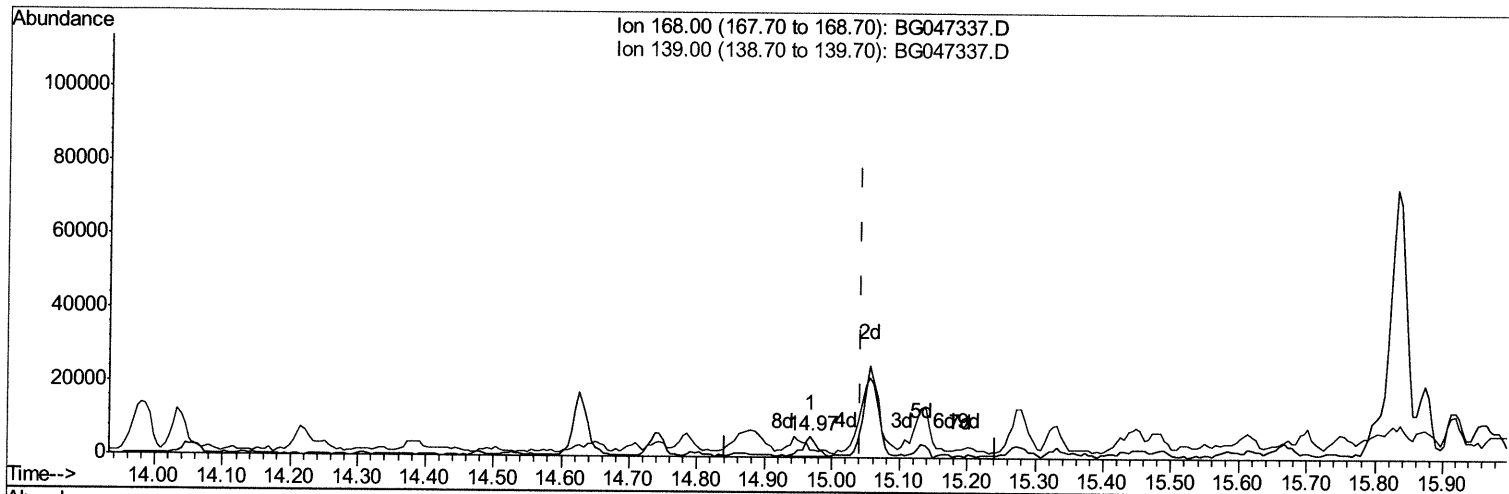
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111620\
Data File : BG047337.D
Acq On : 16 Nov 2020 19:39
Operator : CG/JU
Sample : L4762-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AC9

Manual Integrations
APPROVED

mohammad
11/17/2020 4:10:11 PM

Quant Time: Nov 17 06:05:23 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: BG047337.D

(54) Dibenzofuran

14.967min (-0.075) 0.57ng/ul

response 7751

Ion	Exp%	Act%
168.00	100	100
139.00	39.40	36.39
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

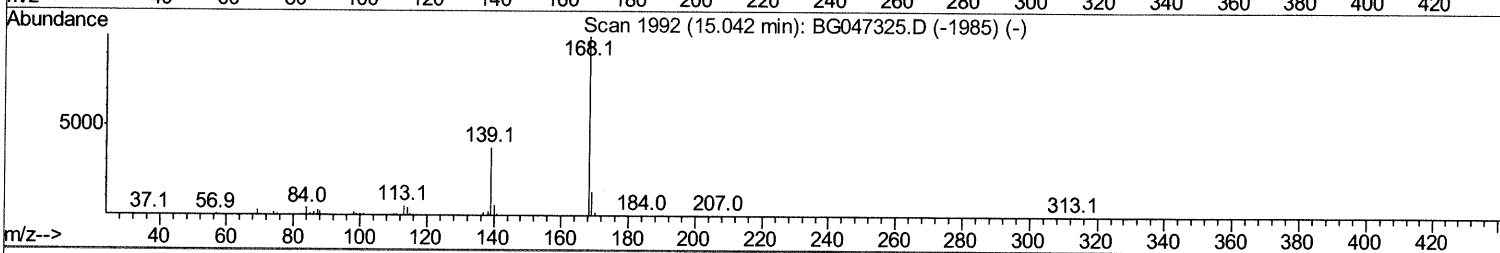
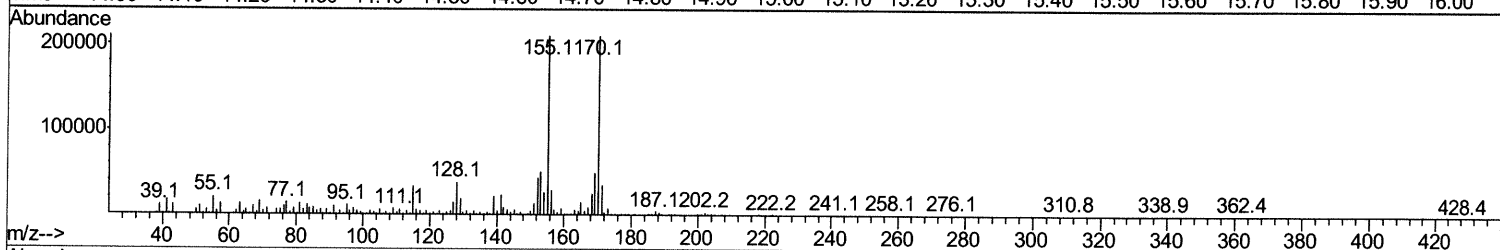
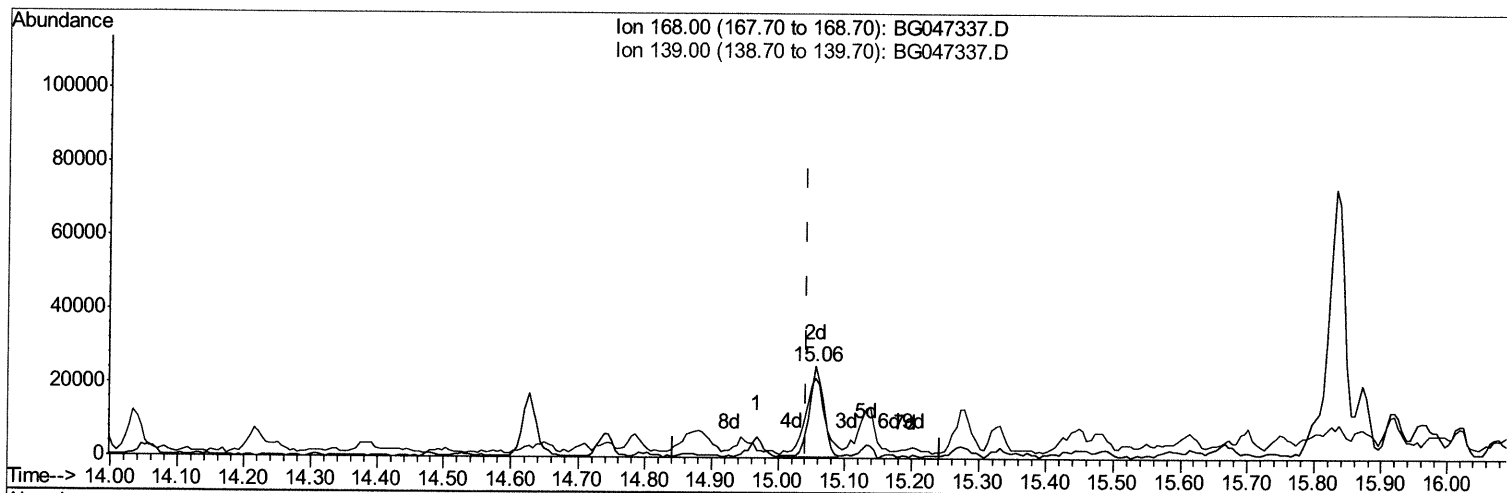
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111620\
 Data File : BG047337.D
 Acq On : 16 Nov 2020 19:39
 Operator : CG/JU
 Sample : L4762-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
ClientSampleId :
 C0AC9

Manual Integrations
APPROVED

mohammad
 11/17/2020 4:10:11 PM

Quant Time: Nov 17 06:05:23 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: BG047337.D

(54) Dibenzofuran

15.055min (+0.013) 2.79ng/ul m 12/03/2020

response 37799

Ion	Exp%	Act%
168.00	100	100
139.00	39.40	87.42#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

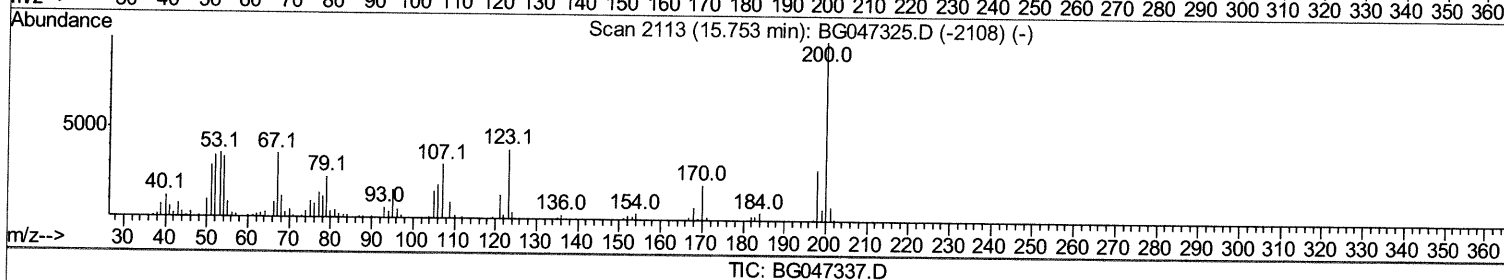
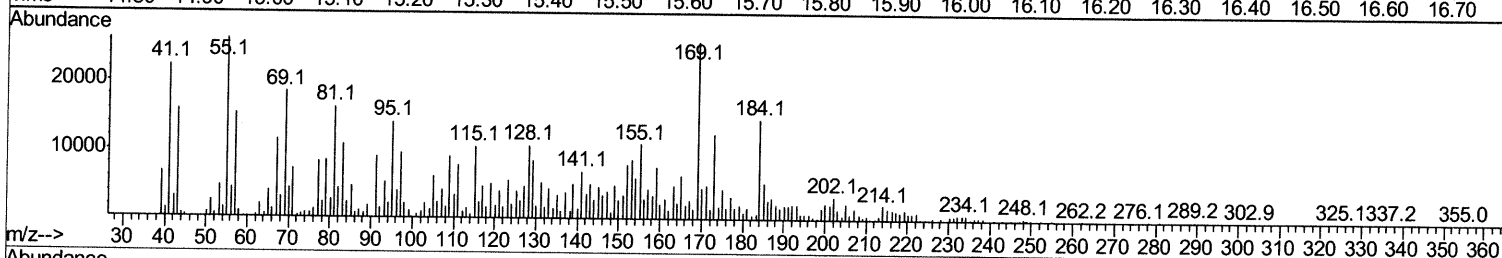
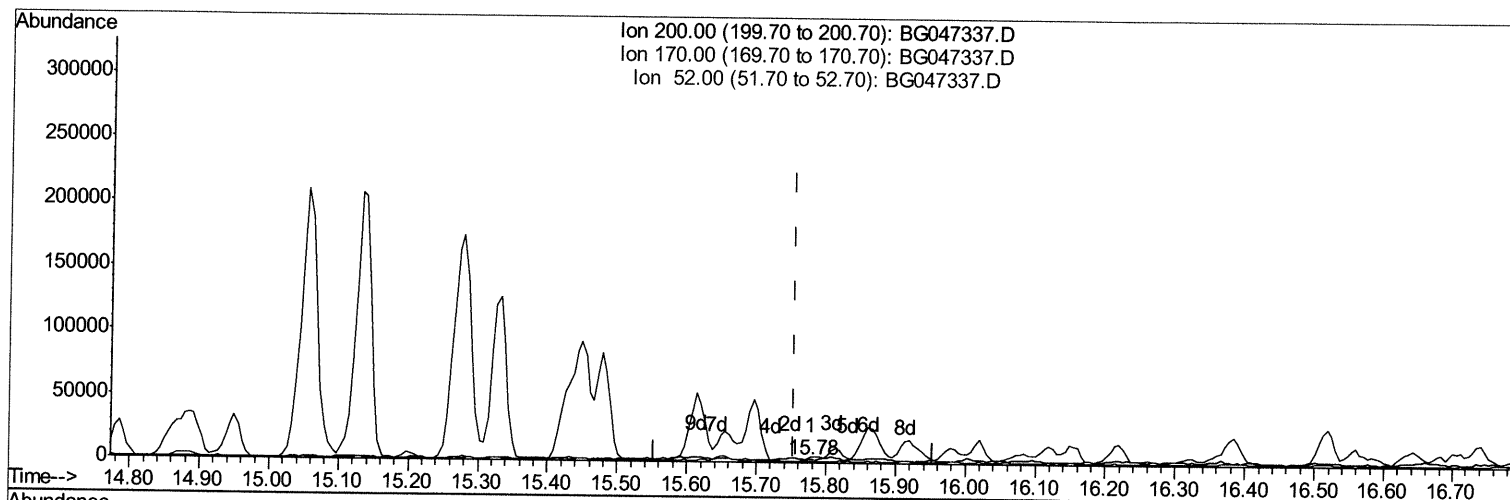
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111620\
Data File : BG047337.D
Acq On : 16 Nov 2020 19:39
Operator : CG/JU
Sample : L4762-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AC9

Manual Integrations
APPROVED

mohammad
11/17/2020 4:10:11 PM

Quant Time: Nov 17 06:05:23 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



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

15.778min (+0.025) 0.11ng/ul

response 223

Ion	Exp%	Act%
200.00	100	100
170.00	20.20	181.37#
52.00	40.30	29.60#
0.00	0.00	0.00

Quantitation Report (Qedit)

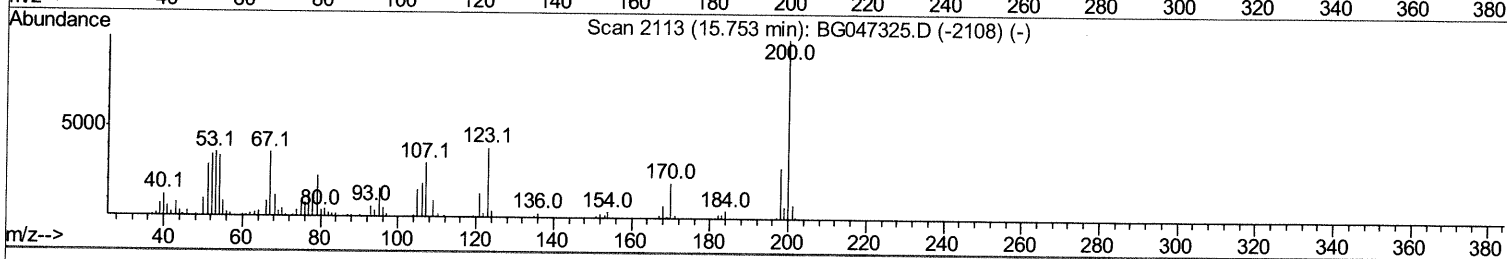
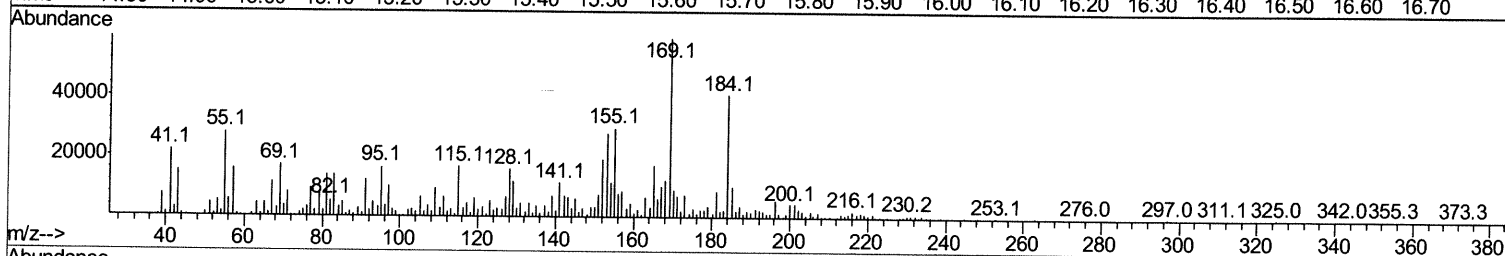
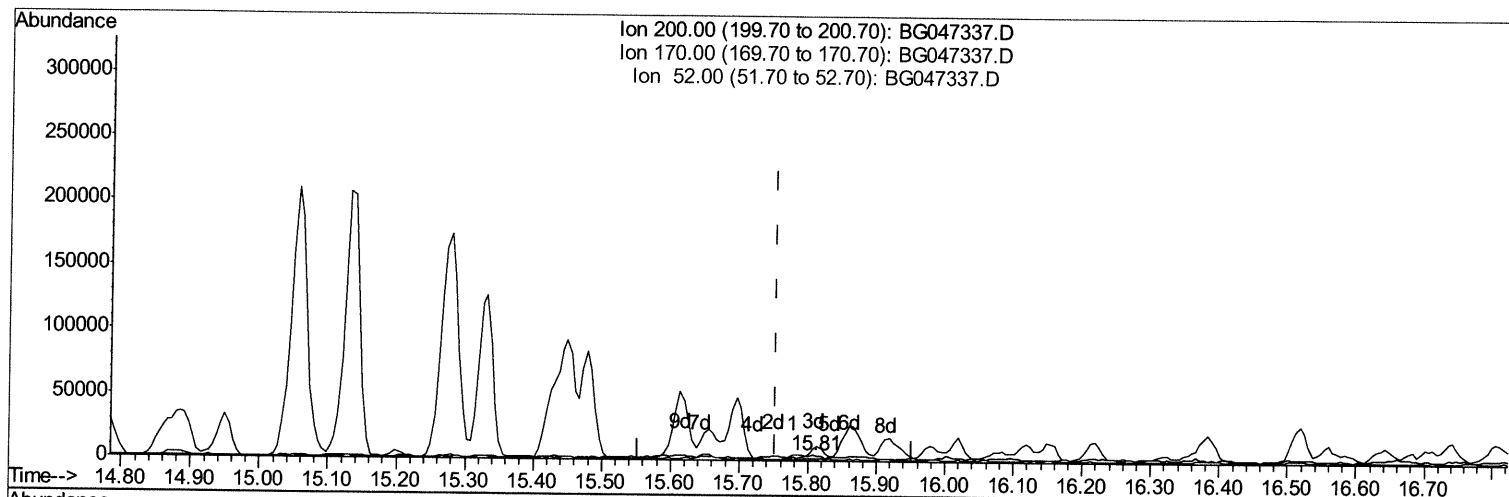
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111620\
Data File : BG047337.D
Acq On : 16 Nov 2020 19:39
Operator : CG/JU
Sample : L4762-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AC9

Manual Integrations
APPROVED

mohammad
11/17/2020 4:10:11 PM

Quant Time: Nov 17 06:05:23 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: BG047337.D

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

15.808min (+0.054) 1.97ng/ul m (2/03/20 JU)

response 3886

Ion	Exp%	Act%
200.00	100	100
170.00	20.20	200.75#
52.00	40.30	23.47#
0.00	0.00	0.00

Quantitation Report (Qedit)

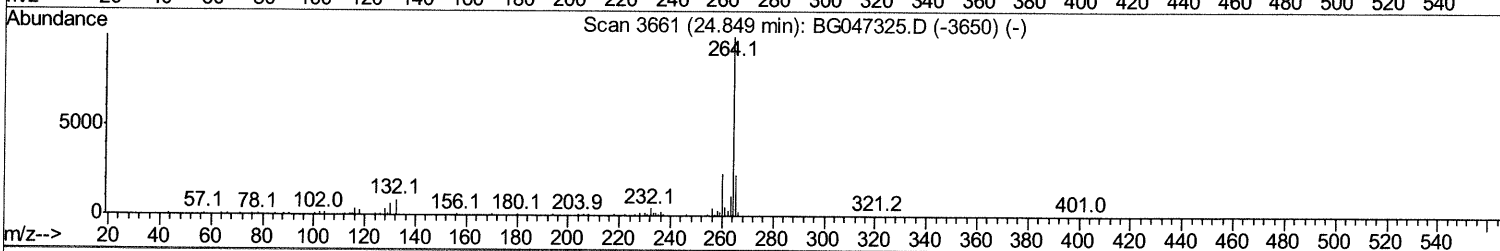
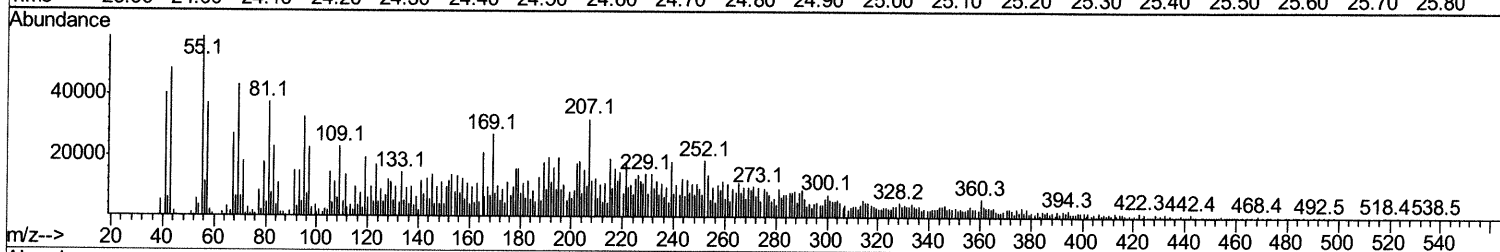
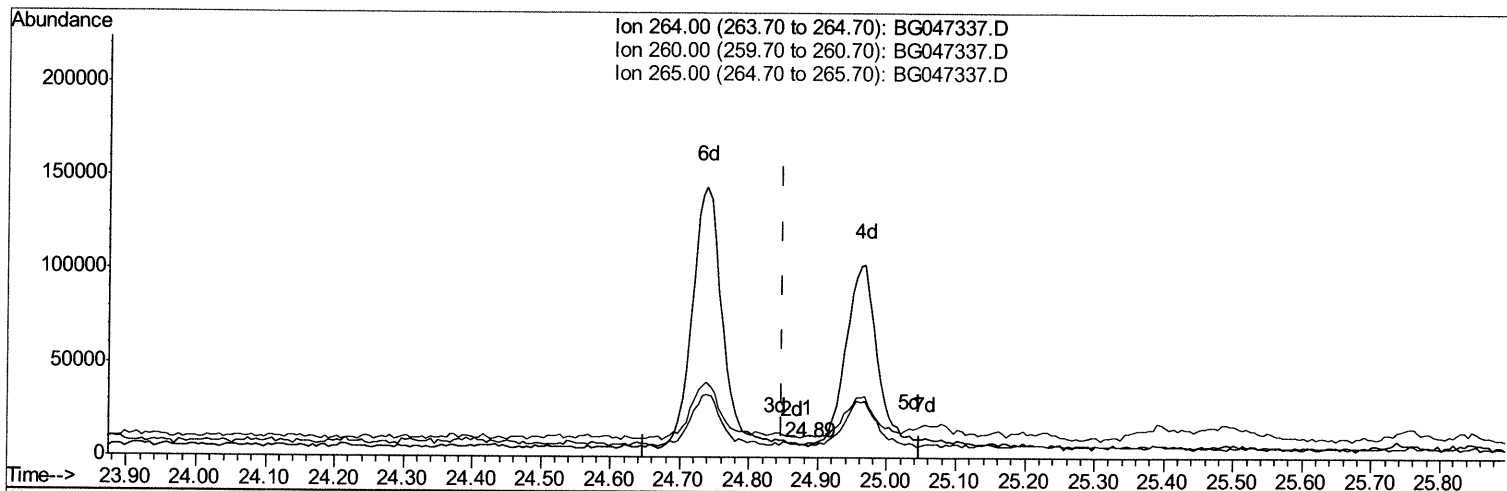
Data Path : C:\Documents and Settings\seuser\Desktop\Nishadh\BG111620\
 Data File : BG047337.D
 Acq On : 16 Nov 2020 19:39
 Operator : CG/JU
 Sample : L4762-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AC9

Manual Integrations
 APPROVED

mohammad
 11/17/2020 4:10:11 PM

Quant Time: Nov 18 07:33:23 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: BG047337.D

(86) Perylene-d12 (I)

24.885min (+0.037) 20.00ng/ul

response 1315

Ion	Exp%	Act%
264.00	100	100
260.00	24.30	74.32#
265.00	22.20	140.53#
0.00	0.00	0.00

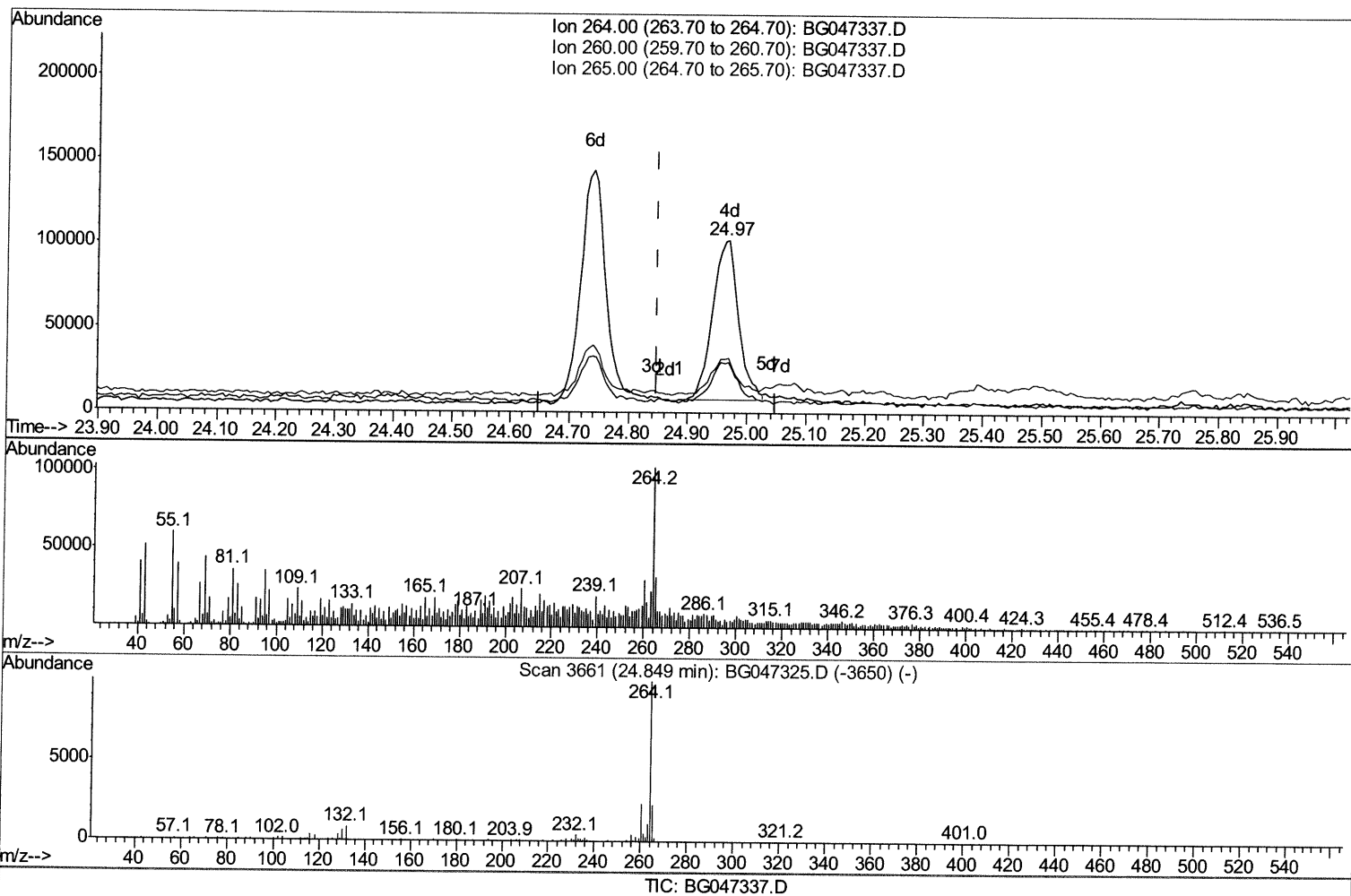
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111620\
Data File : BG047337.D
Acq On : 16 Nov 2020 19:39
Operator : CG/JU
Sample : L4762-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AC9

Manual Integrations
APPROVED

mohammad
11/17/2020 4:10:11 PM

Quant Time: Nov 17 07:44:34 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



(86) Perylene-d12 (I)

24.967min (+0.119) 20.00ng/ul m 12/03/20 JU

response 291743

Ion	Exp%	Act%
264.00	100	100
260.00	24.30	29.29#
265.00	22.20	31.71#
0.00	0.00	0.00

Quantitation Report (Qedit)

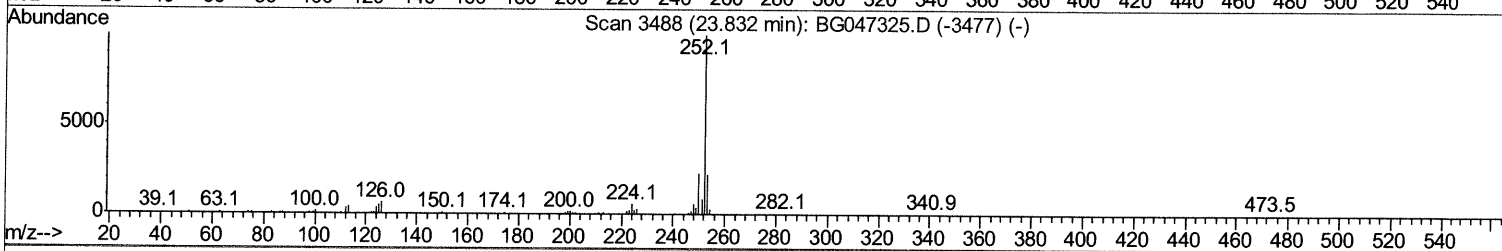
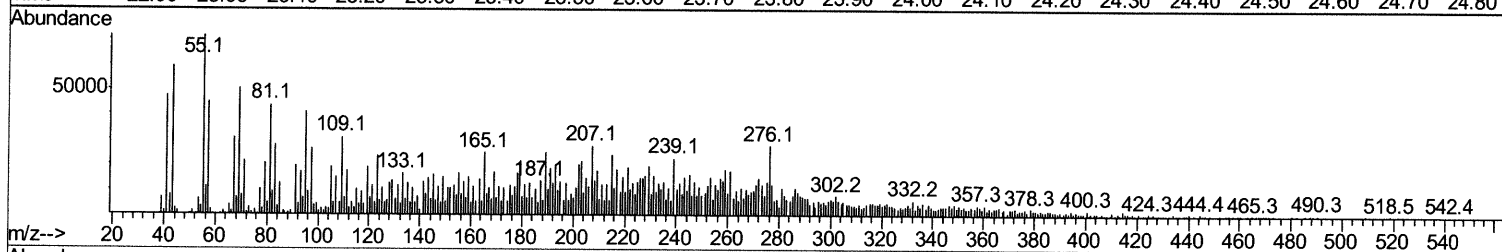
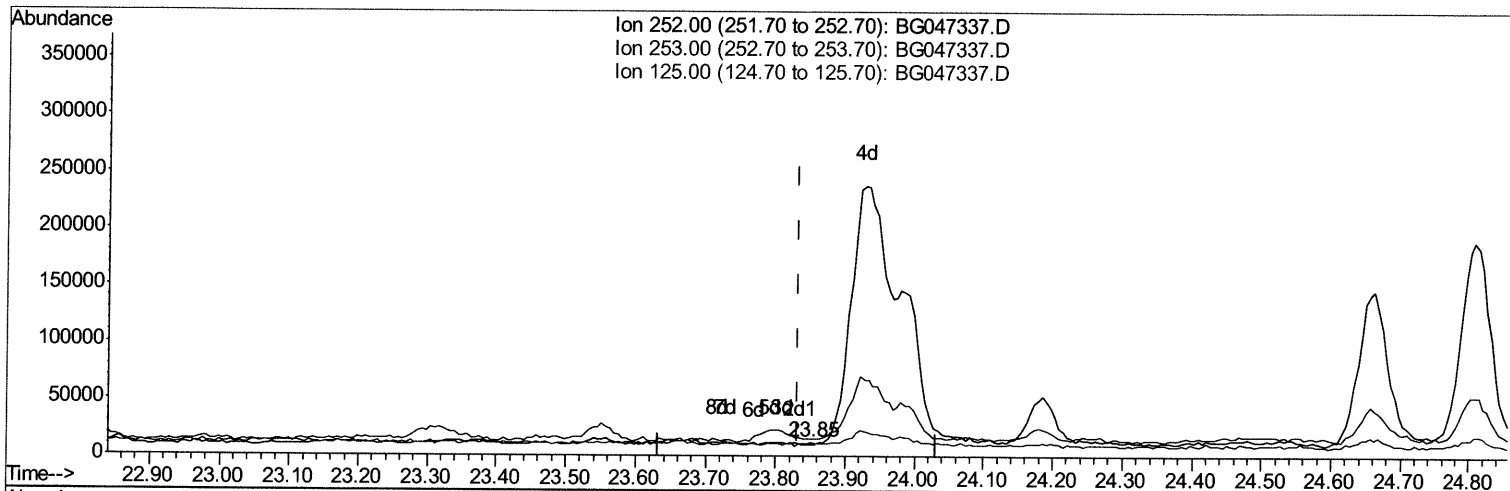
Data Path : C:\Documents and Settings\euser\Desktop\Nishadh\BG111620\
 Data File : BG047337.D
 Acq On : 16 Nov 2020 19:39
 Operator : CG/JU
 Sample : L4762-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
ClientSampleId :
 C0AC9

Manual Integrations
APPROVED

mohammad
 11/17/2020 4:10:11 PM

Quant Time: Nov 18 07:33:23 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: BG047337.D

(88) Benzo(b)fluoranthene

23.851min (+0.019) 16.23ng/ul

response 1418

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	128.01#
125.00	4.60	92.31#
0.00	0.00	0.00

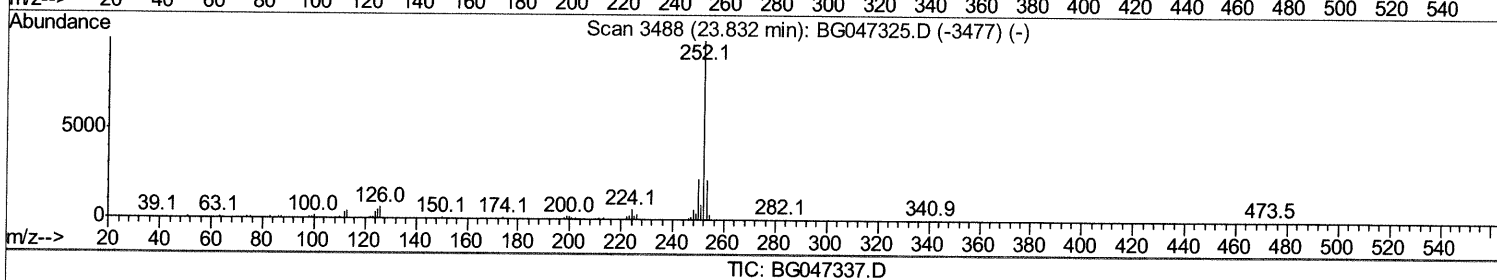
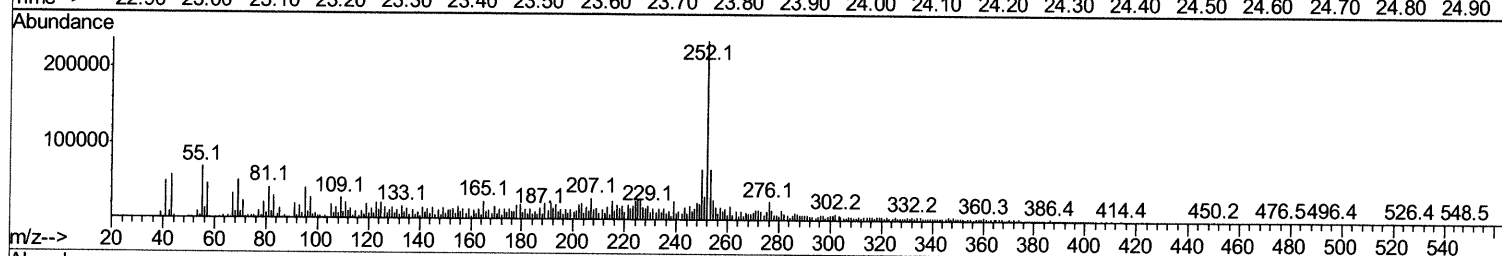
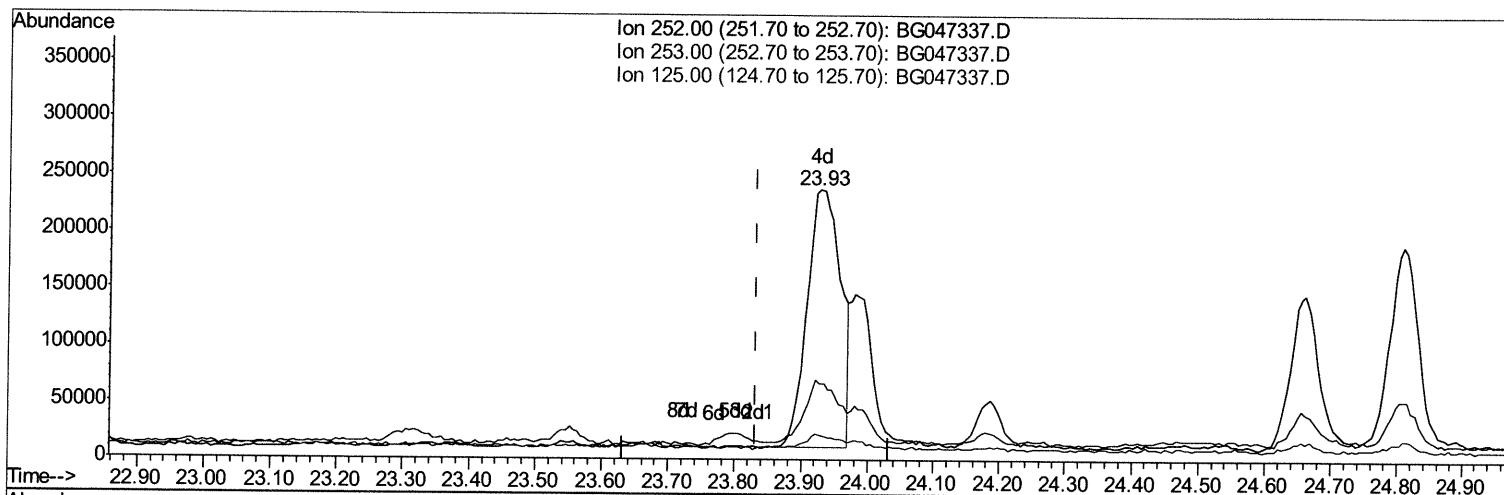
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111620\
Data File : BG047337.D
Acq On : 16 Nov 2020 19:39
Operator : CG/JU
Sample : L4762-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
C0AC9

Manual Integrations
APPROVED

mohammad
11/17/2020 4:10:11 PM

Quant Time: Nov 17 07:44:34 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



(88) Benzo(b)fluoranthene

23.927min (+0.095) 41.22ng/ul m 12/03/2020

response 798878

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	28.24#
125.00	4.60	8.94#
0.00	0.00	0.00

Quantitation Report (Qedit)

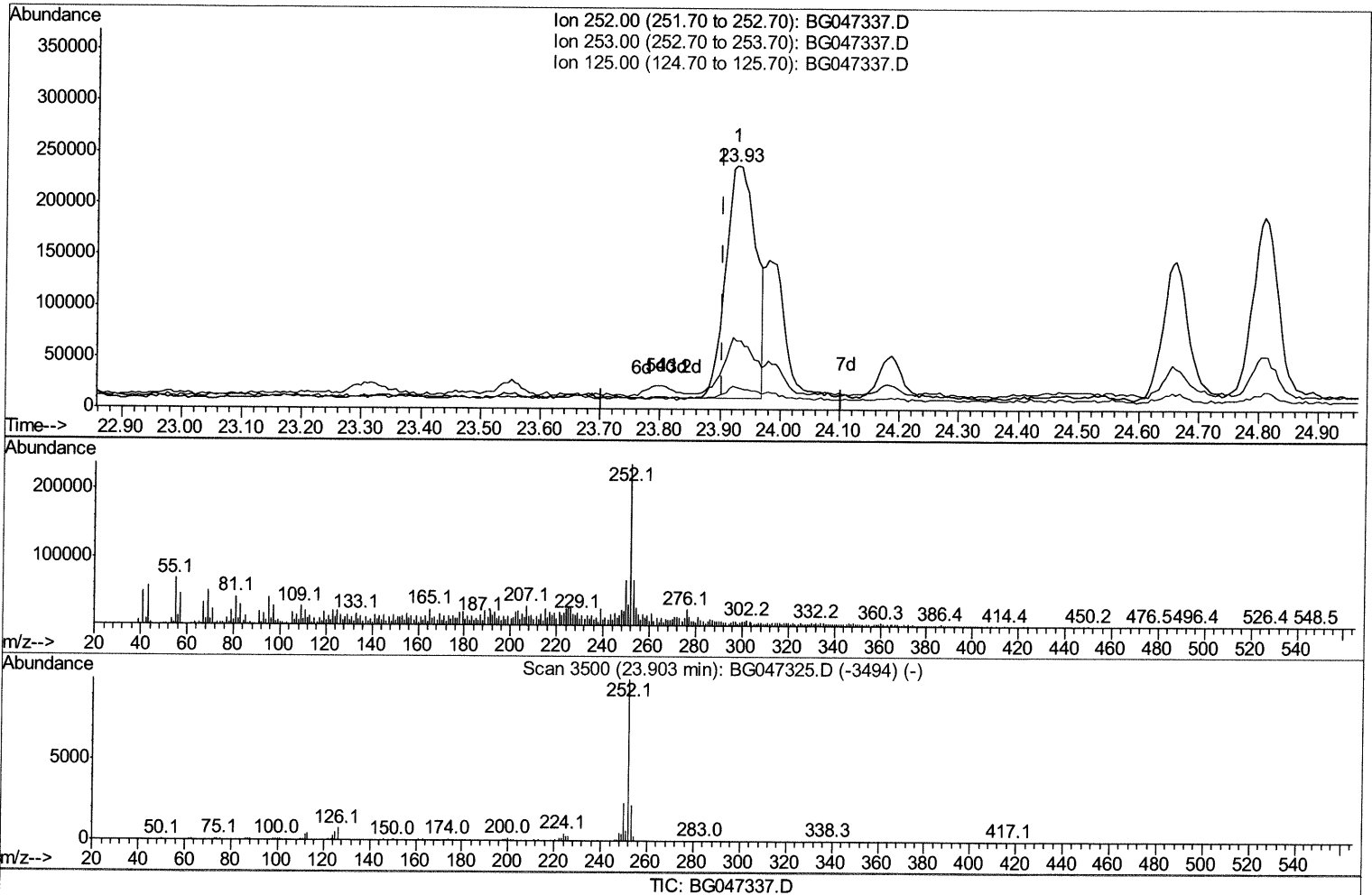
Data Path : C:\Documents and Settings\euser\Desktop\Nishadh\BG111620\
 Data File : BG047337.D
 Acq On : 16 Nov 2020 19:39
 Operator : CG/JU
 Sample : L4762-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AC9

Manual Integrations
 APPROVED

mohammad
 11/17/2020 4:10:11 PM

Quant Time: Nov 18 07:33:23 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



(89) Benzo(k)fluoranthene

23.927min (+0.025) 9429.54ng/ul

response 798154

Ion	Exp%	Act%
252.00	100	100
253.00	22.80	28.24#
125.00	5.80	8.94#
0.00	0.00	0.00

Quantitation Report (Qedit)

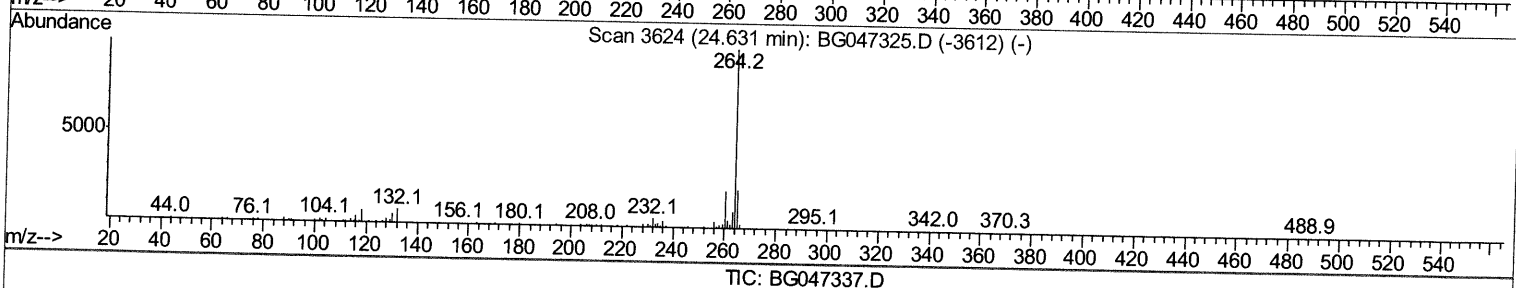
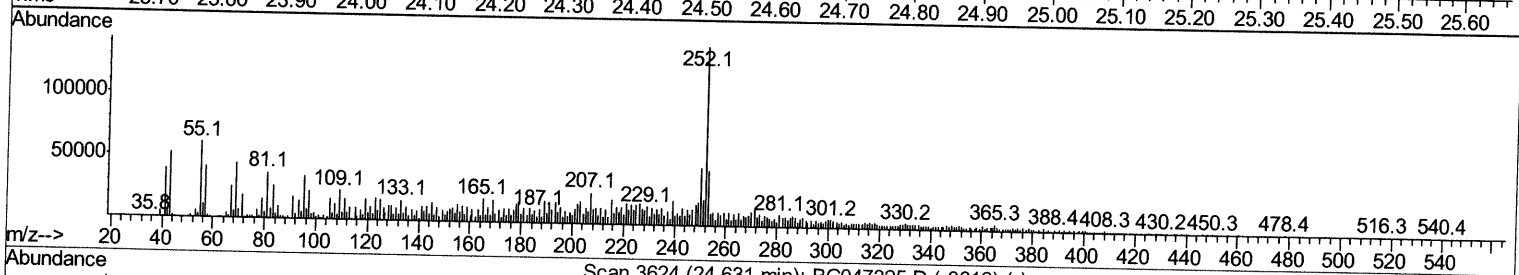
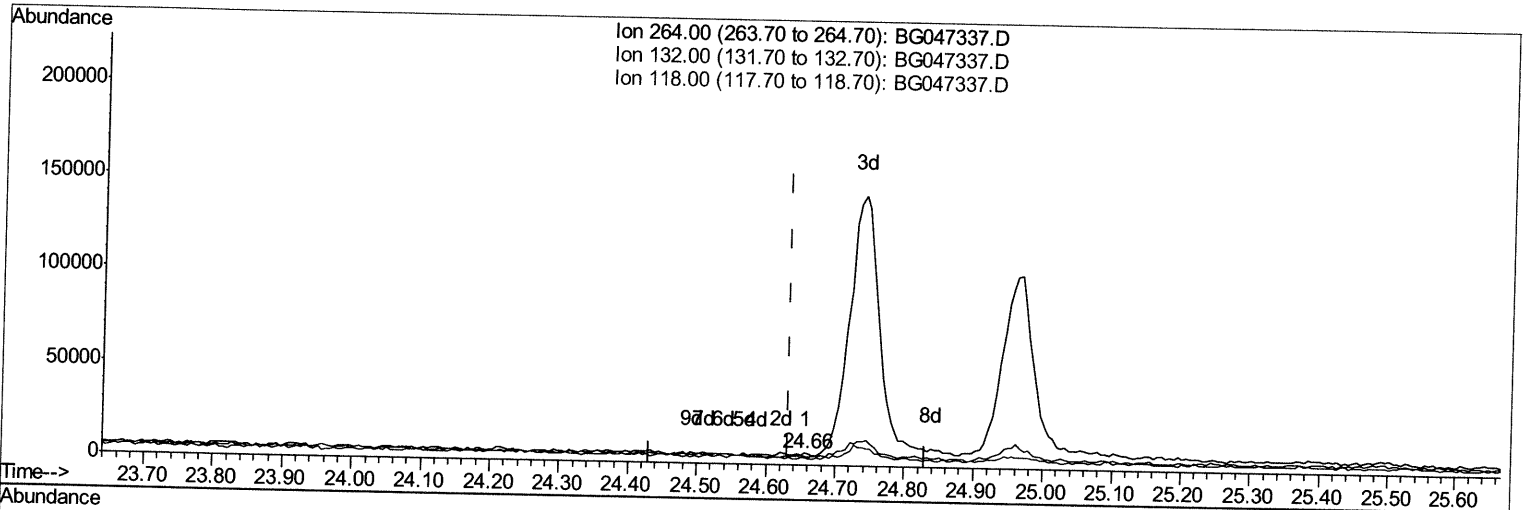
Data Path : C:\Documents and Settings\euser\Desktop\Nishadh\BG111620\
 Data File : BG047337.D
 Acq On : 16 Nov 2020 19:39
 Operator : CG/JU
 Sample : L4762-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
ClientSampleId :
 C0AC9

Manual Integrations
APPROVED

mohammad
 11/17/2020 4:10:11 PM

Quant Time: Nov 18 07:33:23 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



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

24.656min (+0.025) 22.30ng/ul

response 1612

Ion	Exp%	Act%
264.00	100	100
132.00	8.60	74.84#
118.00	5.20	62.06#
0.00	0.00	0.00

TIC: BG047337.D

Quantitation Report (Qedit)

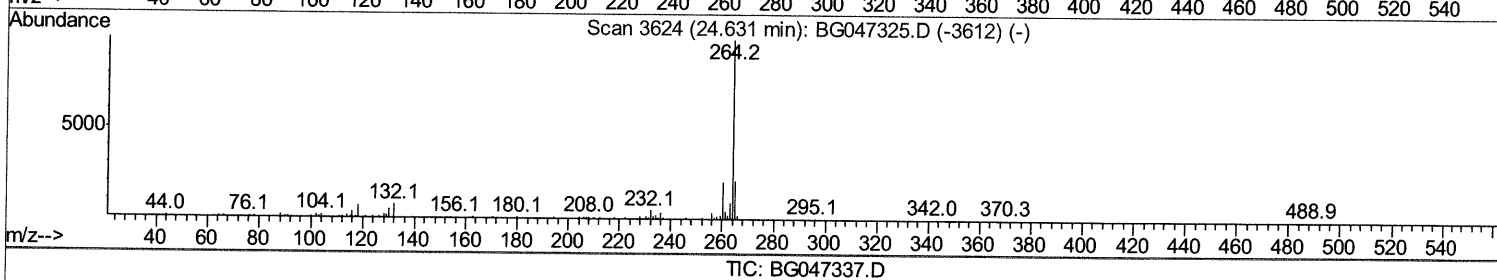
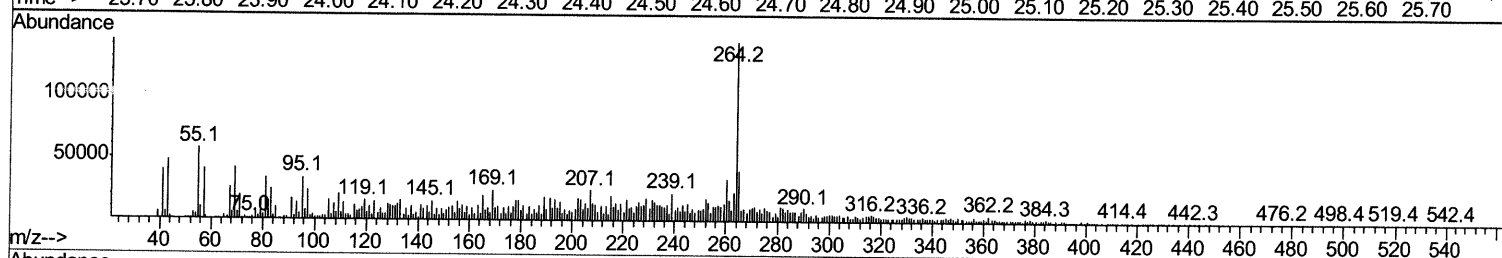
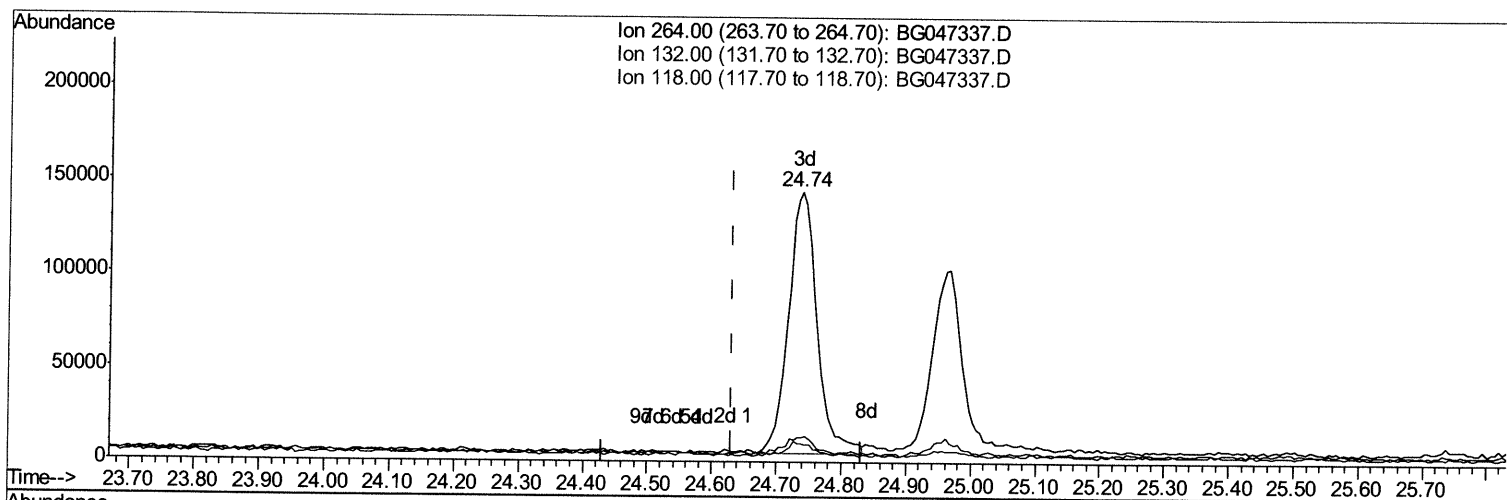
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111620\
 Data File : BG047337.D
 Acq On : 16 Nov 2020 19:39
 Operator : CG/JU
 Sample : L4762-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 C0AC9

Manual Integrations
 APPROVED

mohammad
 11/17/2020 4:10:11 PM

Quant Time: Nov 17 07:44:34 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



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

24.738min (+0.107) 26.57ng/ul m 12/03/2024

response 426073

Ion	Exp%	Act%
264.00	100	100
132.00	8.60	9.09
118.00	5.20	6.73#
0.00	0.00	0.00

Quantitation Report (Qedit)

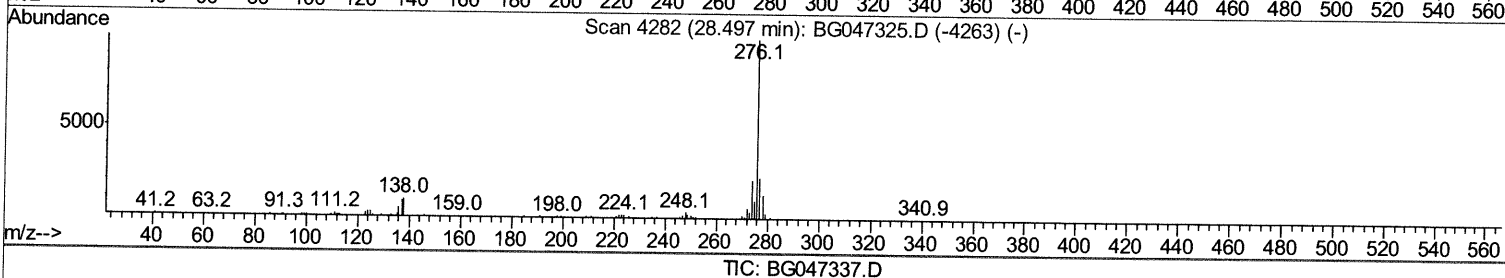
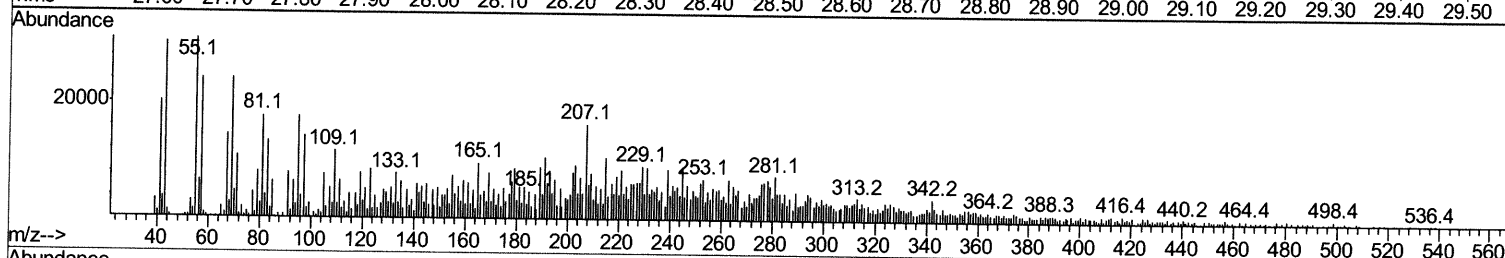
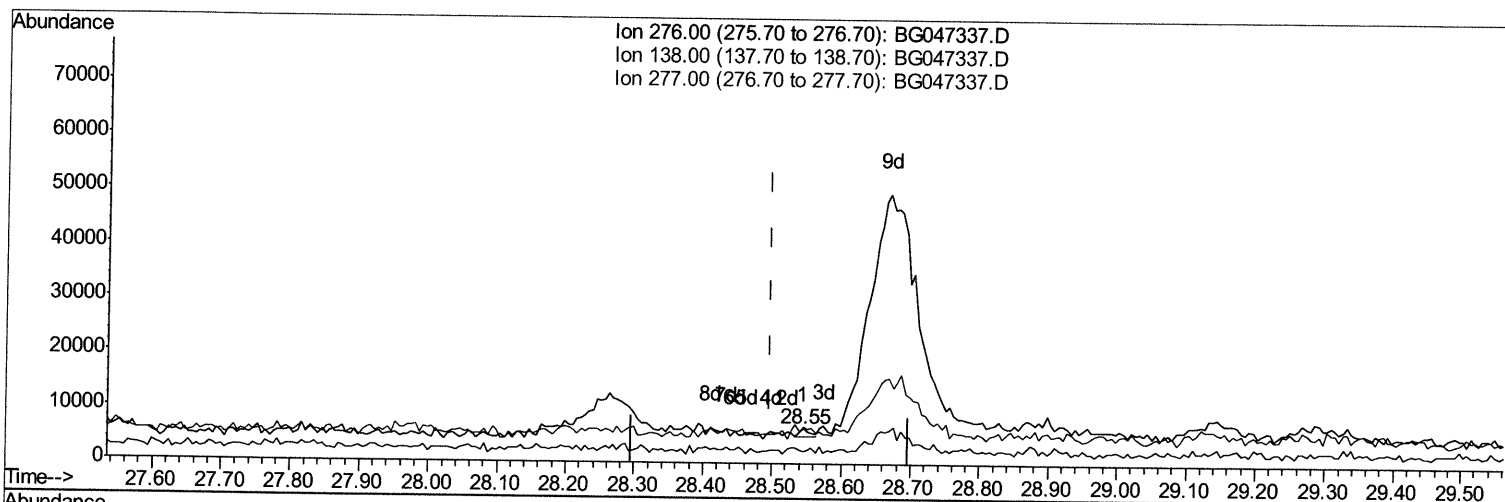
Data Path : C:\Documents and Settings\euser\Desktop\Nishadh\BG111620\
 Data File : BG047337.D
 Acq On : 16 Nov 2020 19:39
 Operator : CG/JU
 Sample : L4762-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

mohammad
 11/17/2020 4:10:11 PM

Quant Time: Nov 18 07:33:23 2020
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 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 16 12:10:55 2020
 Response via : Initial Calibration



(92) Indeno(1,2,3-cd)pyrene
 28.546min (+0.048) 17.92ng/ul
 response 1752

Ion	Exp%	Act%
276.00	100	100
138.00	10.10	35.14#
277.00	25.30	102.25#
0.00	0.00	0.00

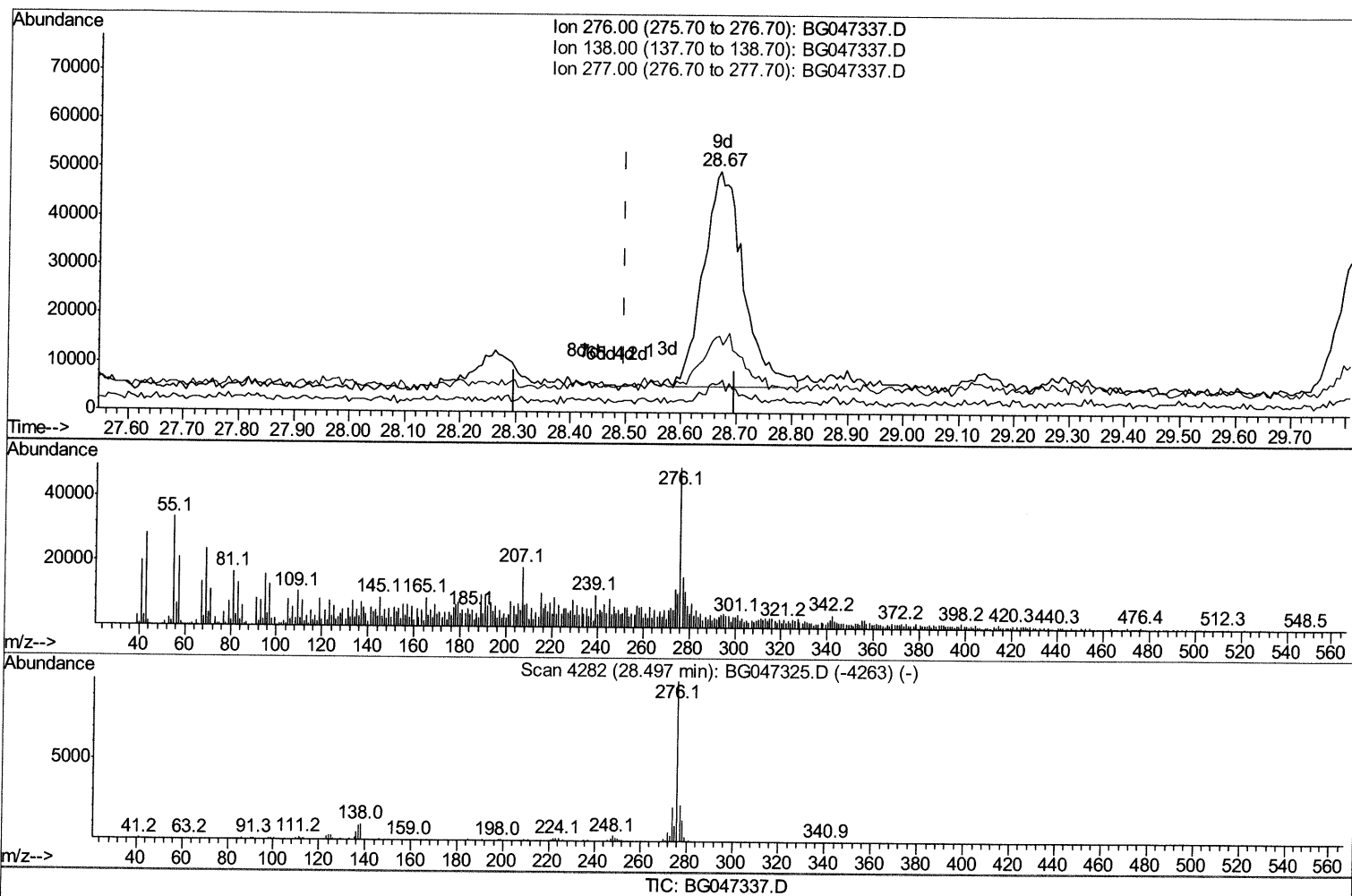
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111620\
Data File : BG047337.D
Acq On : 16 Nov 2020 19:39
Operator : CG/JU
Sample : L4762-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AC9

Manual Integrations
APPROVED

mohammad
11/17/2020 4:10:11 PM

Quant Time: Nov 17 07:44:34 2020
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QLast Update : Mon Nov 16 12:10:55 2020
Response via : Initial Calibration



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

28.669min (+0.172) 10.09ng/ul m (2/13/2024)

response 218791

Ion	Exp%	Act%
276.00	100	100
138.00	10.10	12.23#
277.00	25.30	31.93#
0.00	0.00	0.00

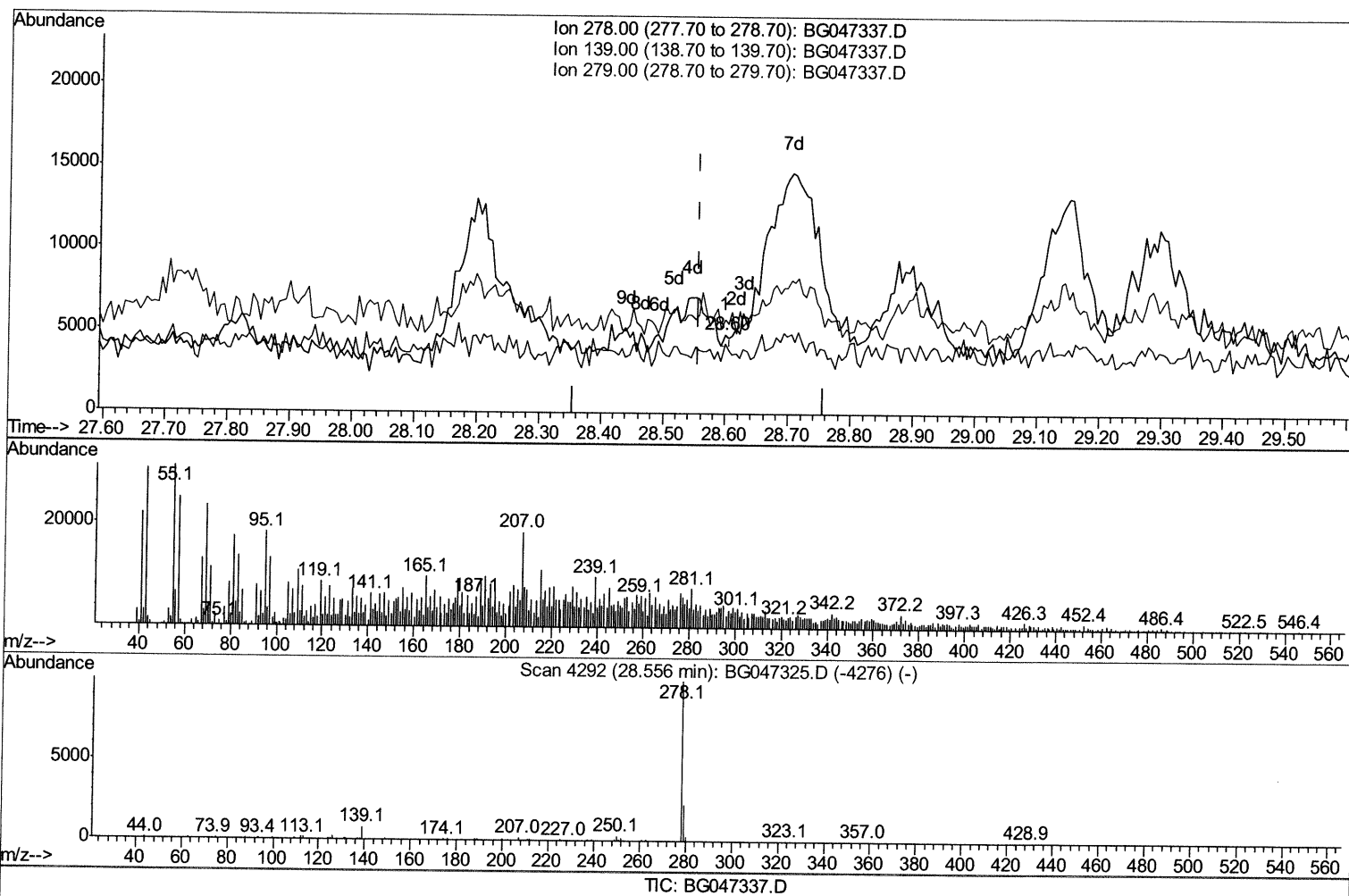
Data Path : C:\Documents and Settings\euser\Desktop\Nishadh\BG111620\
Data File : BG047337.D
Acq On : 16 Nov 2020 19:39
Operator : CG/JU
Sample : L4762-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AC9

Manual Integrations
APPROVED

mohammad
11/17/2020 4:10:11 PM

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 16 12:10:55 2020
Response via : Initial Calibration



(93) Dibenzo(a,h)anthracene

28.598min (+0.042) 5.26ng/ul

response 417

Ion	Exp%	Act%
278.00	100	100
139.00	8.90	88.43#
279.00	24.90	118.70#
0.00	0.00	0.00

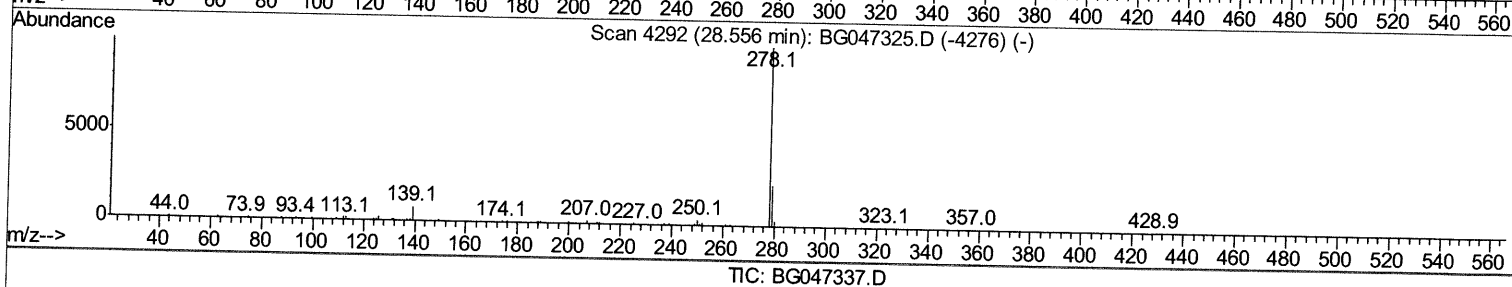
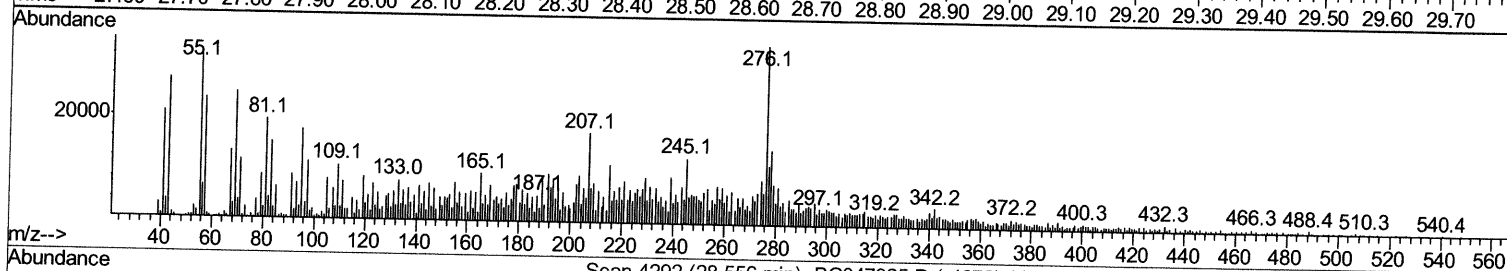
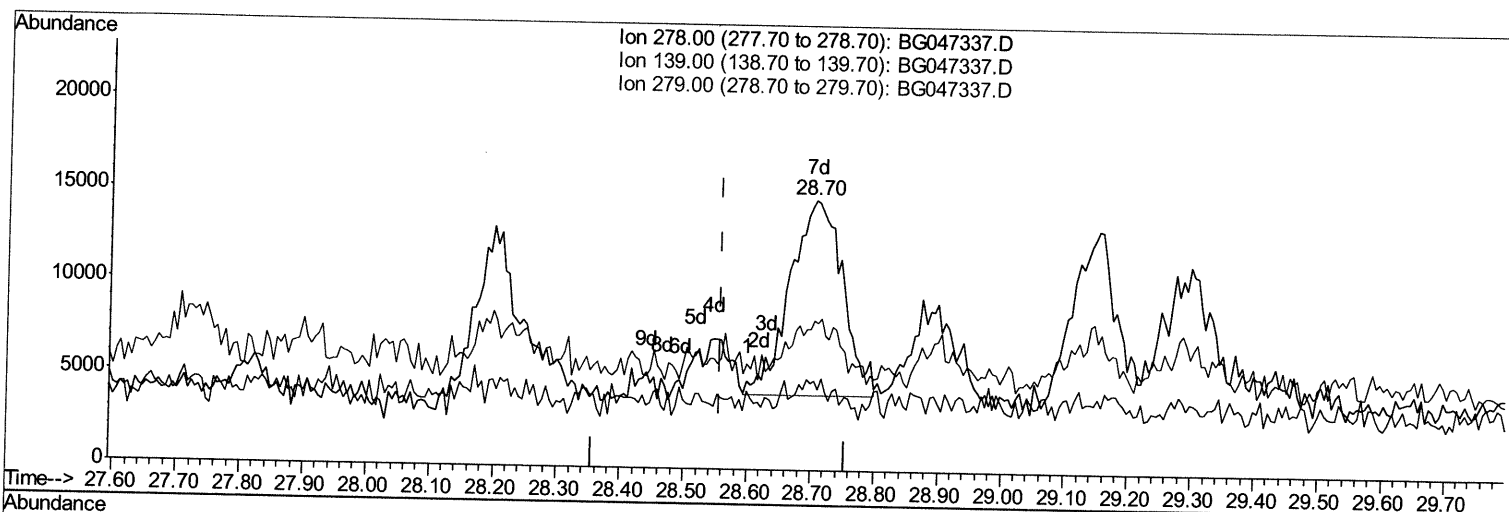
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111620\
Data File : BG047337.D
Acq On : 16 Nov 2020 19:39
Operator : CG/JU
Sample : L4762-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AC9

Manual Integrations
APPROVED

mohammad
11/17/2020 4:10:11 PM

Quant Time: Nov 17 07:44:34 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



(93) Dibenzo(a,h)anthracene

28.704min (+0.148) 3.50ng/ul m 12/03/20 JU

response 61578

Ion	Exp%	Act%
278.00	100	100
139.00	8.90	33.36#
279.00	24.90	55.42#
0.00	0.00	0.00

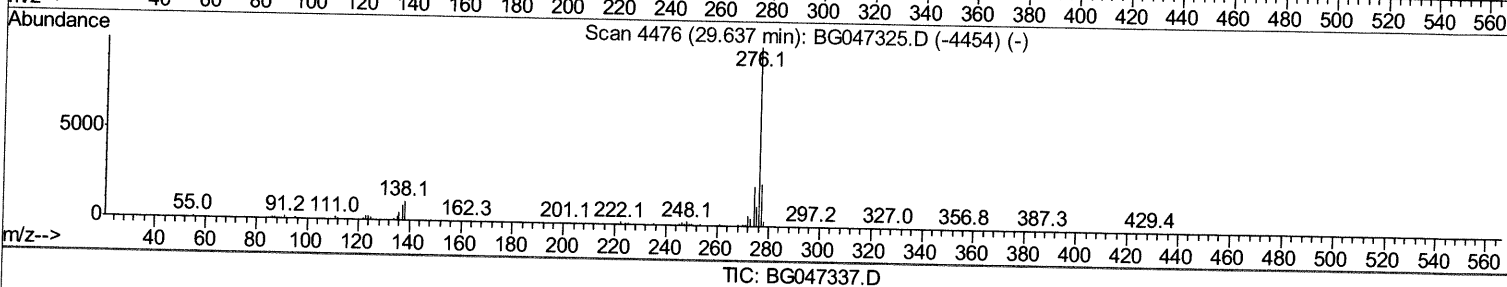
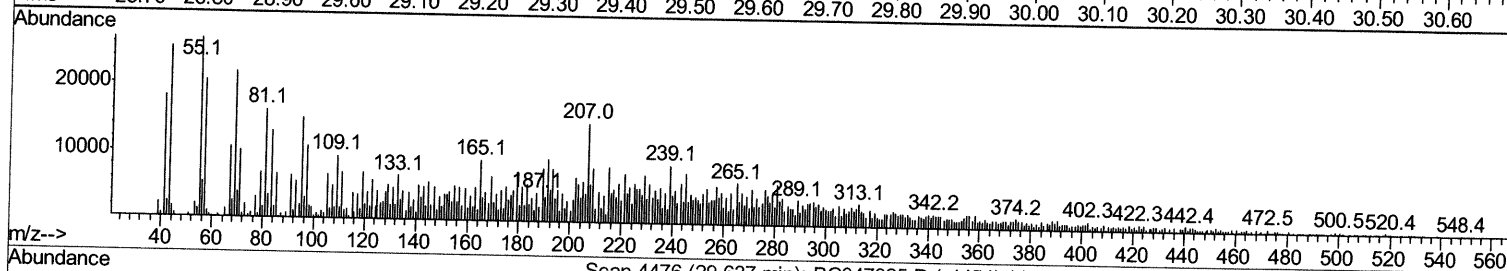
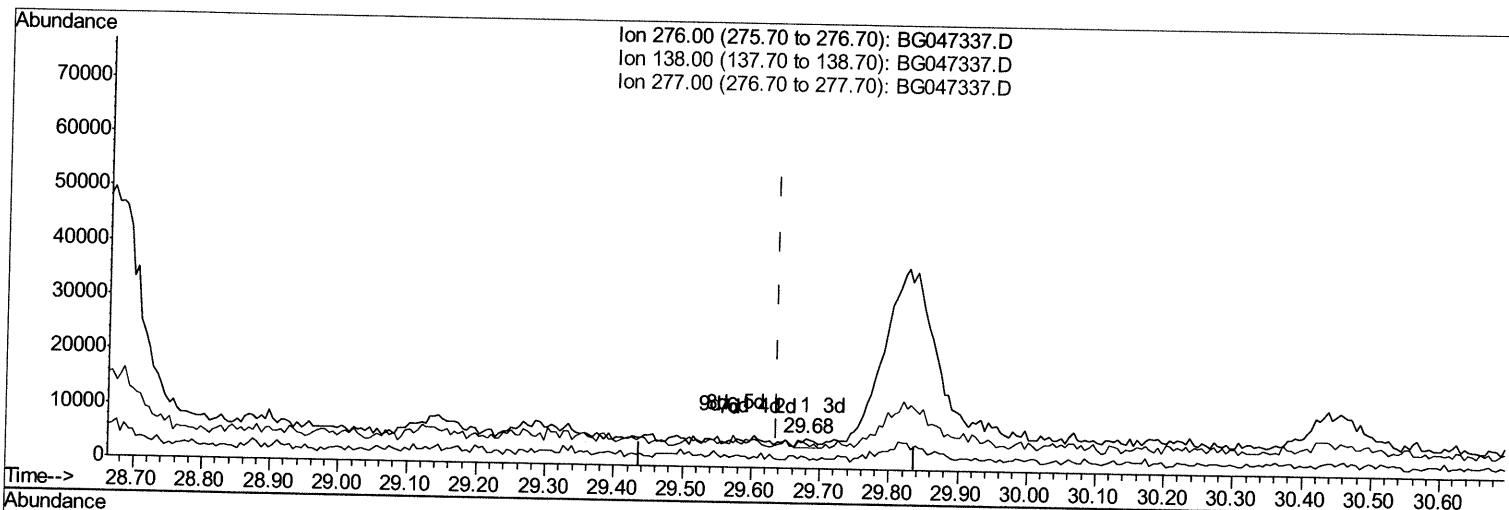
Data Path : C:\Documents and Settings\euser\Desktop\Nishadh\BG111620\
Data File : BG047337.D
Acq On : 16 Nov 2020 19:39
Operator : CG/JU
Sample : L4762-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AC9

Manual Integrations
APPROVED

mohammad
11/17/2020 4:10:11 PM

Quant Time: Nov 18 07:33:23 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

29.680min (+0.042) 29.25ng/ul

response 2390

Ion	Exp%	Act%
276.00	100	100
138.00	11.30	35.75#
277.00	24.00	83.52#
0.00	0.00	0.00

Quantitation Report (Qedit)

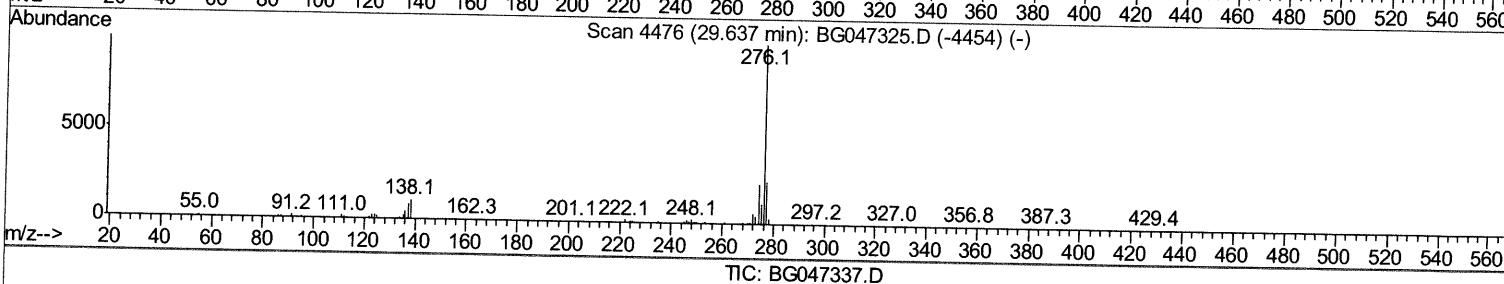
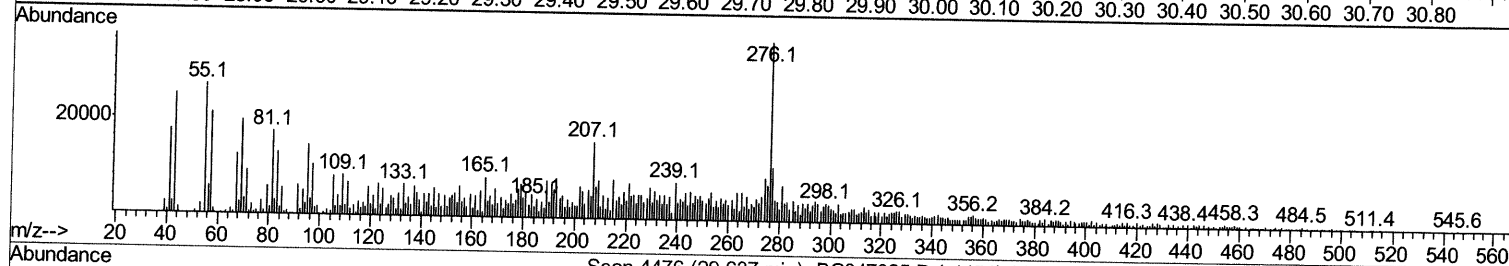
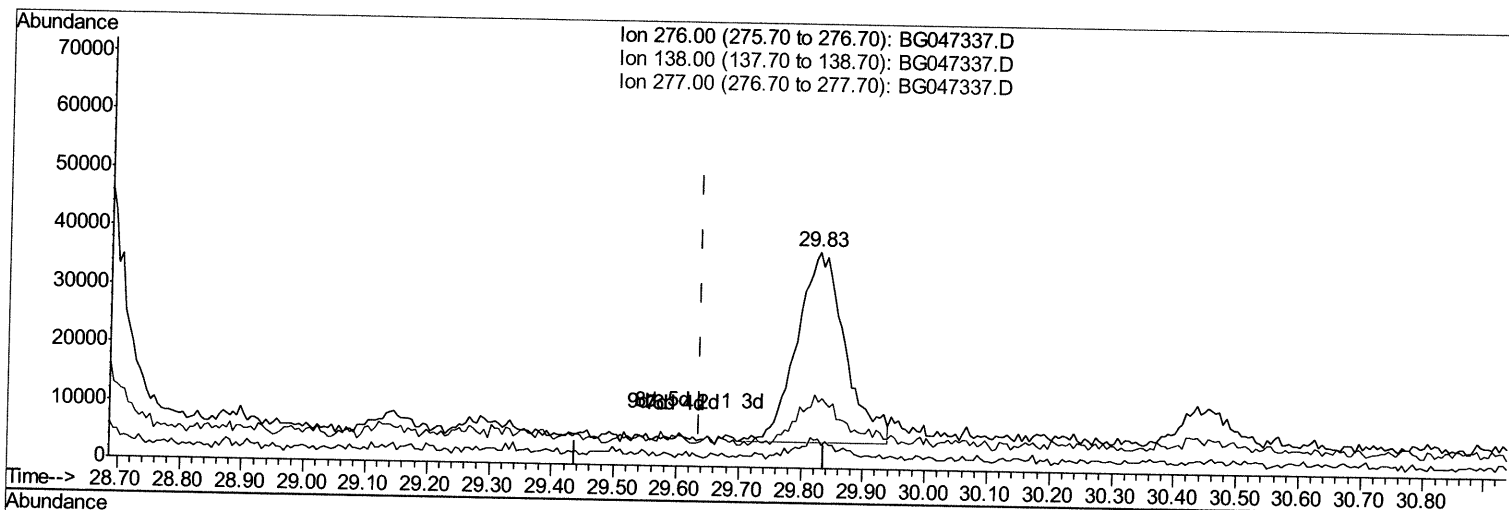
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111620\
Data File : BG047337.D
Acq On : 16 Nov 2020 19:39
Operator : CG/JU
Sample : L4762-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AC9

Manual Integrations
APPROVED

mohammad
11/17/2020 4:10:11 PM

Quant Time: Nov 17 07:44:34 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

29.826min (+0.189) 9.78ng/ul m (2/03/20 JU

response 177279

Ion	Exp%	Act%
276.00	100	100
138.00	11.30	13.47
277.00	24.00	30.63#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG111620\
 Data File : BG047337.D
 Acq On : 16 Nov 2020 19:39
 Operator : CG/JU
 Sample : L4762-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AC9

Manual Integrations
 APPROVED

mohammad
 11/17/2020 4:10:11 PM

Quant Time: Nov 17 07:44:34 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	62145	20.00	ng/ul	0.01
18) Naphthalene-d8	10.83	136	233482	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.66	164	141172	20.00	ng/ul	0.02
62) Phenanthrene-d10	17.41	188	285608	20.00	ng/ul	0.02
78) Chrysene-d12	21.69	240	324711	20.00	ng/ul	0.04
86) Perylene-d12	24.97	264	291743m >	20.00	ng/ul >	0.12
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.40	96	4458	2.89	ng/uL	0.01
5) Phenol-d5	7.19	99	118556	21.98	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.34	67	68932	22.22	ng/ul	0.02
9) 2-Chlorophenol-d4	7.55	132	96925	23.11	ng/ul	0.02
13) 4-Methylphenol-d8	8.73	113	99985	23.23	ng/ul	0.02
19) Nitrobenzene-d5	9.19	128	46943	23.99	ng/ul	0.02
22) 2-Nitrophenol-d4	9.91	143	34308	15.01	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.46	165	107612	24.12	ng/ul	0.02
29) 4-Chloroaniline-d4	10.97	131	93296	24.53	ng/ul	0.02
44) Dimethylphthalate-d6	14.06	166	269065	23.18	ng/ul	0.01
47) Acenaphthylene-d8	14.36	160	342511	24.94	ng/ul	0.02
52) 4-Nitrophenol-d4	14.88	143	39204	21.46	ng/ul	0.04
58) Fluorene-d10	15.65	176	239245	22.20	ng/ul	0.02
63) 4,6-Dinitro-2-methylphenol	15.81	200	3886m >	1.97	ng/ul >	0.05
71) Anthracene-d10	17.51	188	352634	25.47	ng/ul	0.02
79) Pyrene-d10	19.80	212	418026	22.57	ng/ul	0.02
90) Benzo(a)pyrene-d12	24.74	264	426073m >	26.57	ng/ul >	0.11
Target Compounds						
28) Naphthalene	10.88	128	42703	3.256	ng/ul#	93
34) 2-Methylnaphthalene	12.49	142	108913	11.638	ng/ul	99
41) 1,1'-Biphenyl	13.49	154	20685	1.857	ng/ul	93
45) Dimethylphthalate	14.10	163	103054	8.847	ng/ul	97
48) Acenaphthylene	14.39	152	14796	1.152	ng/ul#	47
50) Acenaphthene	14.72	153	19201	2.066	ng/ul#	80
54) Dibenzofuran	15.06	168	37799m >	2.794	ng/ul >	12/03/2024
59) Fluorene	15.71	166	24667	2.222	ng/ul#	76
70) Phenanthrene	17.45	178	405734	25.329	ng/ul#	96
72) Anthracene	17.54	178	54602	3.392	ng/ul#	71
77) Fluoranthene	19.47	202	736461	38.198	ng/ul	99
80) Pyrene	19.83	202	1117674	50.299	ng/ul	96
83) Benzo(a)anthracene	21.67	228	590311	26.835	ng/ul#	85
85) Chrysene	21.74	228	671263	31.718	ng/ul#	89
88) Benzo(b)fluoranthene	23.93	252	798878m }	41.222	ng/ul }	12/03/2024
89) Benzo(k)fluoranthene	23.98	252	300083m }	15.980	ng/ul }	
91) Benzo(a)pyrene	24.81	252	532759	30.528	ng/ul#	87
92) Indeno(1,2,3-cd)pyrene	28.67	276	218791m }	10.088	ng/ul }	
93) Dibenzo(a,h)anthracene	28.70	278	61578m }	3.500	ng/ul }	
94) Benzo(a,h,i)perylene	29.83	276	177279m }	9.780	ng/ul }	12/03/2024

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