

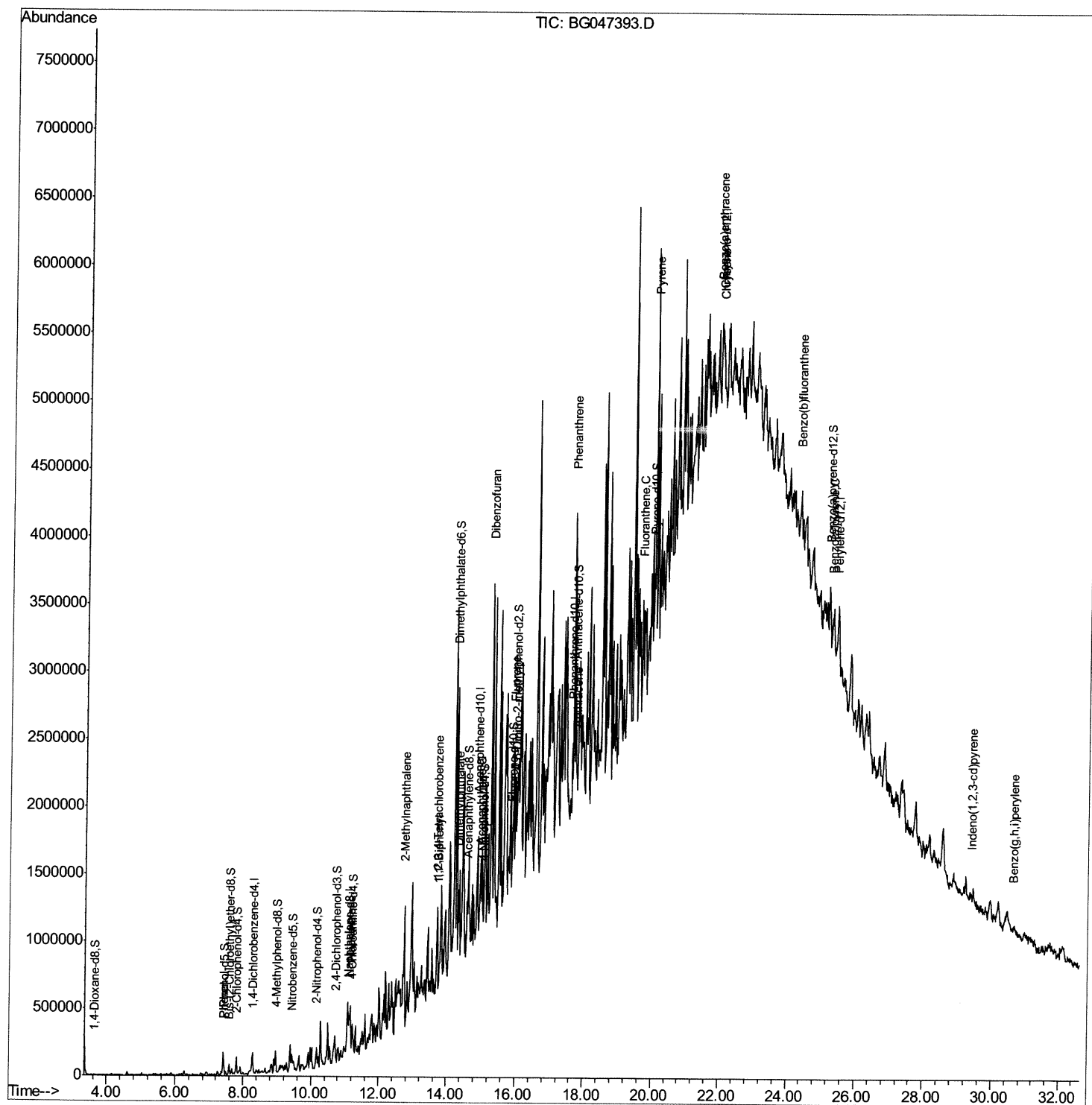
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG112120\
Data File : BG047393.D
Acq On : 21 Nov 2020 11:52
Operator : CG/JU
Sample : L4854-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AD1

Manual Integrations
APPROVED

mohammad
11/24/2020 9:00:16 AM

Quant Time: Nov 21 13:19:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 21 11:53:19 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

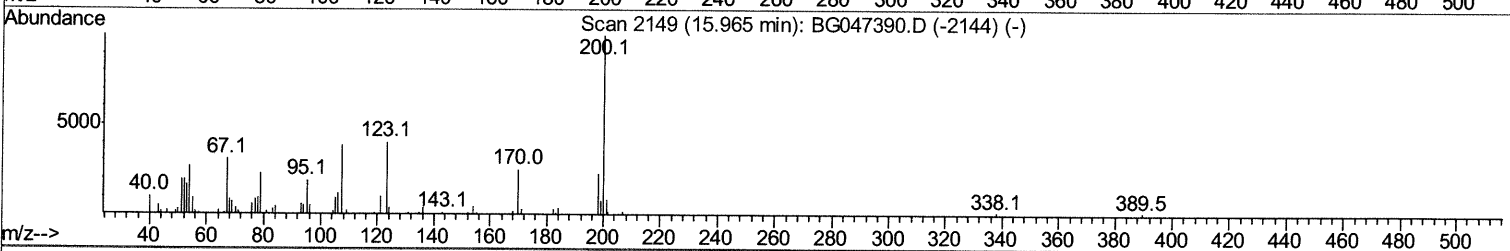
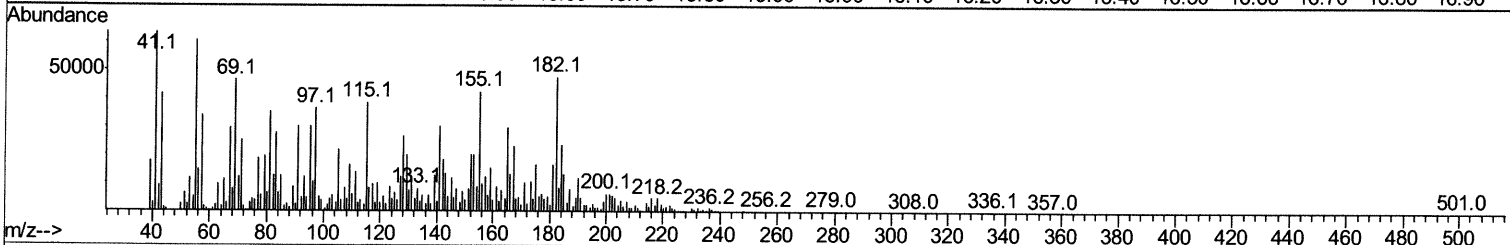
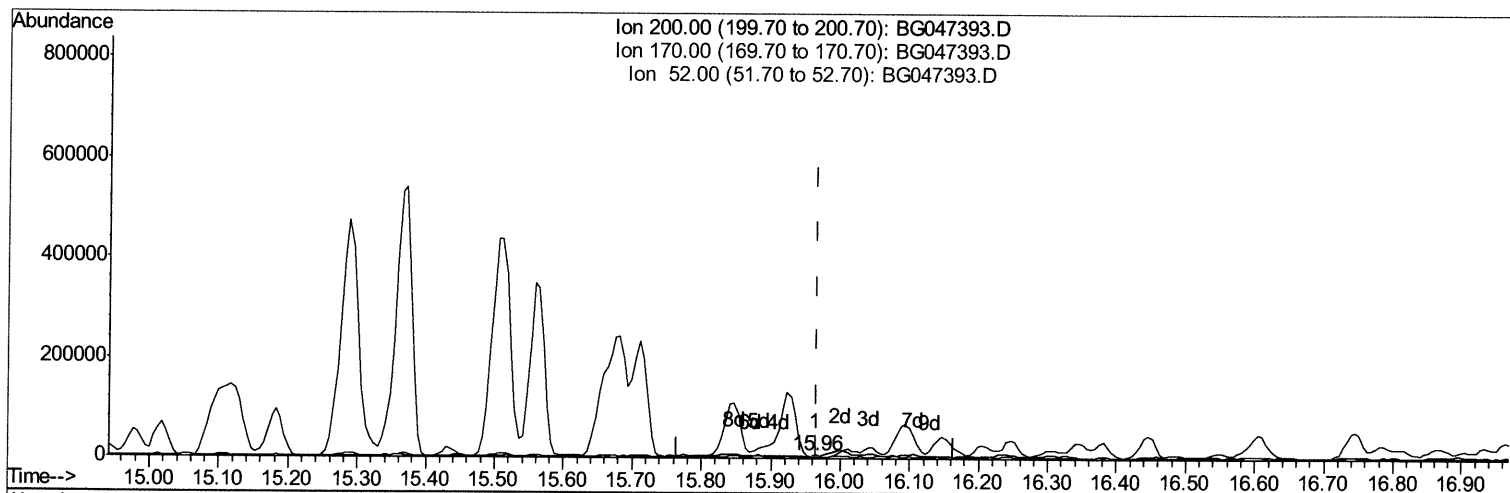
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG112120\
 Data File : BG047393.D
 Acq On : 21 Nov 2020 11:52
 Operator : CG/JU
 Sample : L4854-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
ClientSampleId :
 C0AD1

Manual Integrations
APPROVED

mohammad
 11/24/2020 9:00:16 AM

Quant Time: Nov 21 12:37:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 21 11:53:19 2020
 Response via : Initial Calibration



TIC: BG047393.D

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

15.964min (-0.001) 2.55ng/ul

response 2908

Ion	Exp%	Act%
200.00	100	100
170.00	17.70	36.80#
52.00	42.70	45.15
0.00	0.00	0.00

Quantitation Report (Qedit)

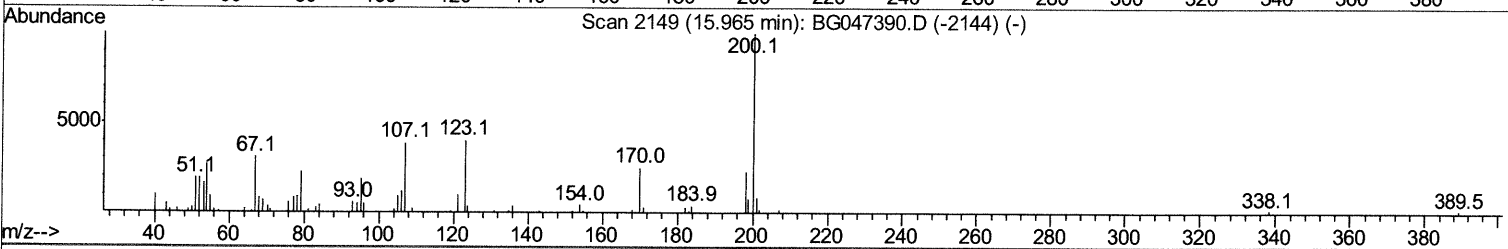
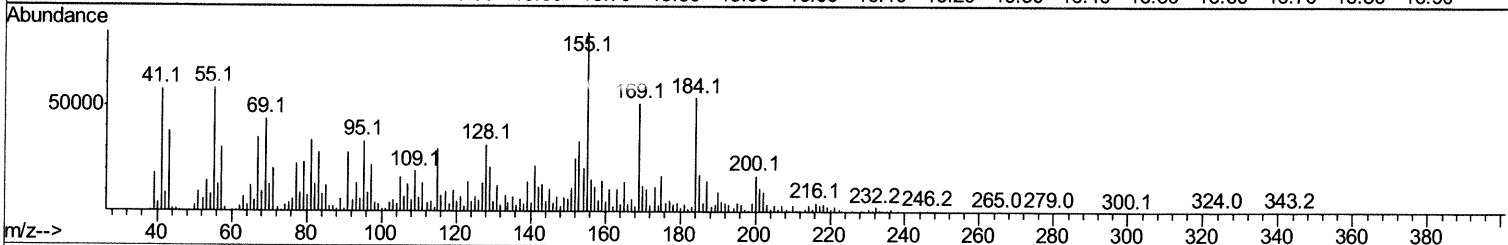
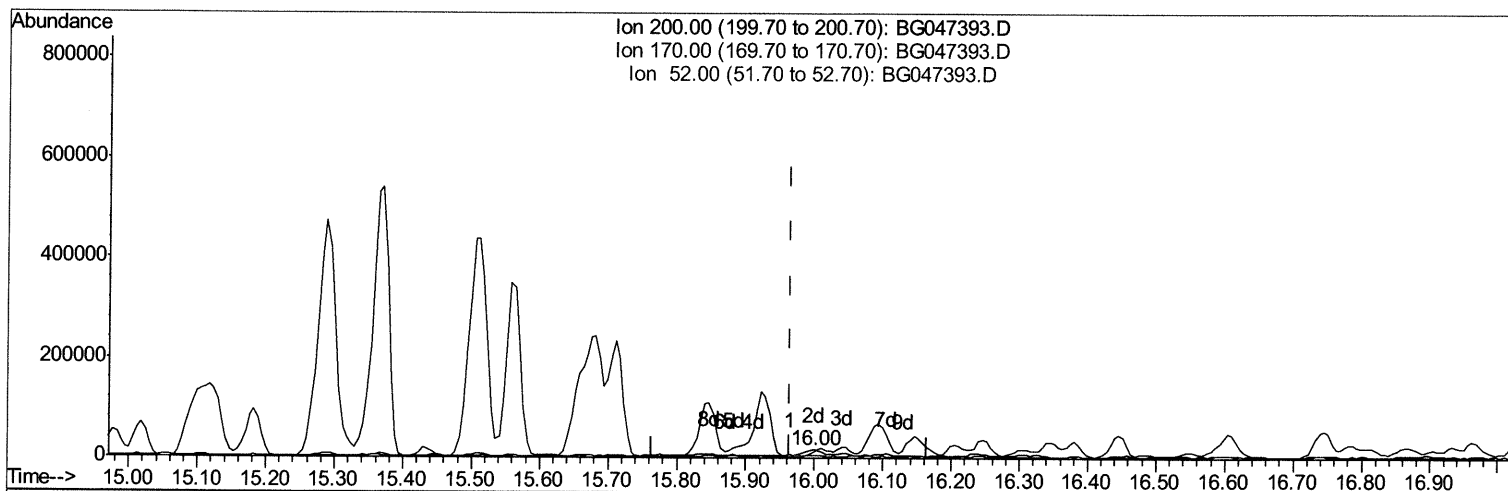
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG112120\
 Data File : BG047393.D
 Acq On : 21 Nov 2020 11:52
 Operator : CG/JU
 Sample : L4854-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AD1

Manual Integrations
 APPROVED

mohammad
 11/24/2020 9:00:16 AM

Quant Time: Nov 21 12:37:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 21 11:53:19 2020
 Response via : Initial Calibration



TIC: BG047393.D

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

15.999min (+0.034) 20.03ng/ul m 11/30/20 JU

response 22829

Ion	Exp%	Act%
200.00	100	100
170.00	17.70	70.48#
52.00	42.70	35.94
0.00	0.00	0.00

Quantitation Report (Qedit)

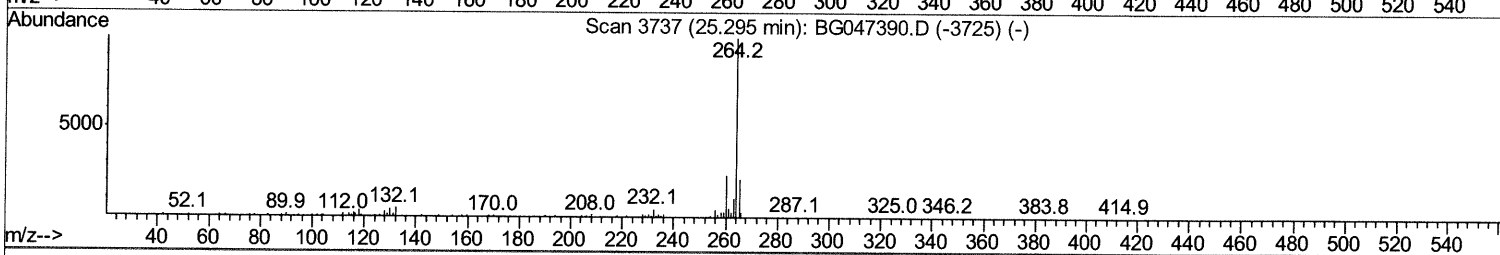
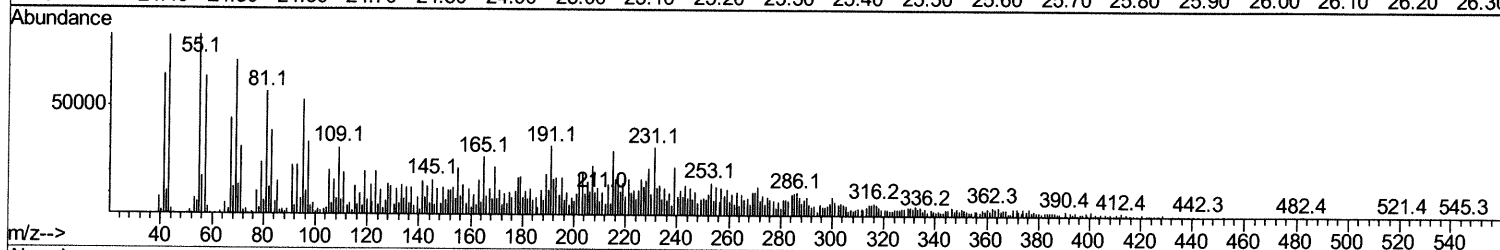
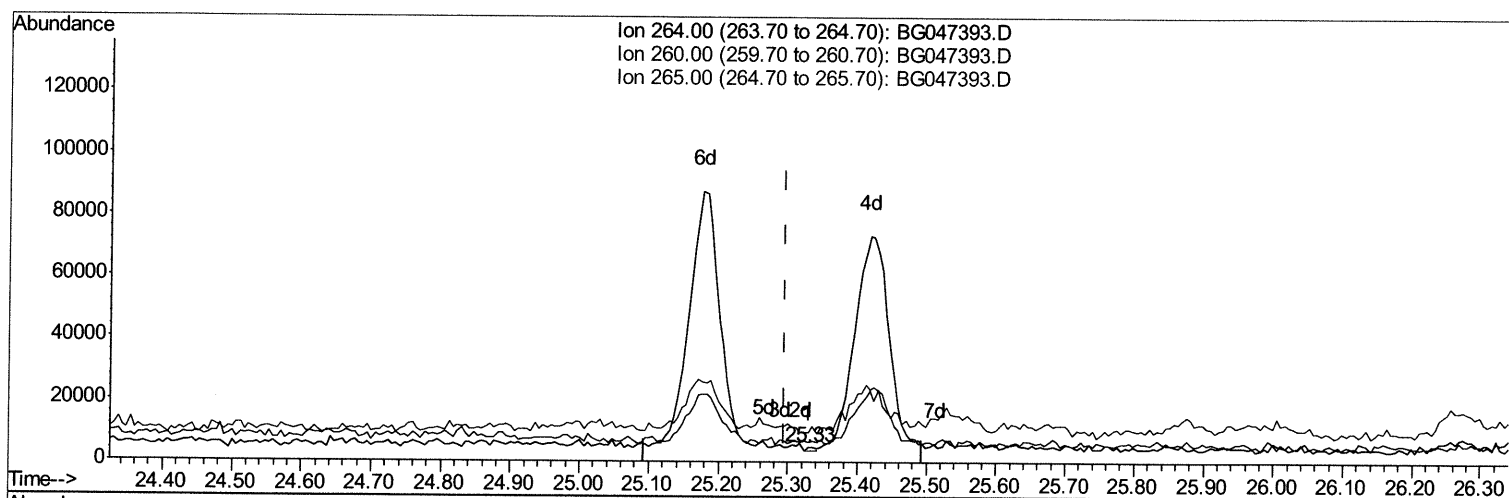
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG112120\
Data File : BG047393.D
Acq On : 21 Nov 2020 11:52
Operator : CG/JU
Sample : L4854-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AD1

Manual Integrations
APPROVED

mohammad
11/24/2020 9:00:16 AM

Quant Time: Nov 21 12:37:30 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 21 11:53:19 2020
Response via : Initial Calibration



TIC: BG047393.D

(86) Perylene-d12 (I)

25.329min (+0.034) 20.00ng/ul

response 979

Ion	Exp%	Act%
264.00	100	100
260.00	22.10	134.26#
265.00	20.40	201.52#
0.00	0.00	0.00

Quantitation Report (Qedit)

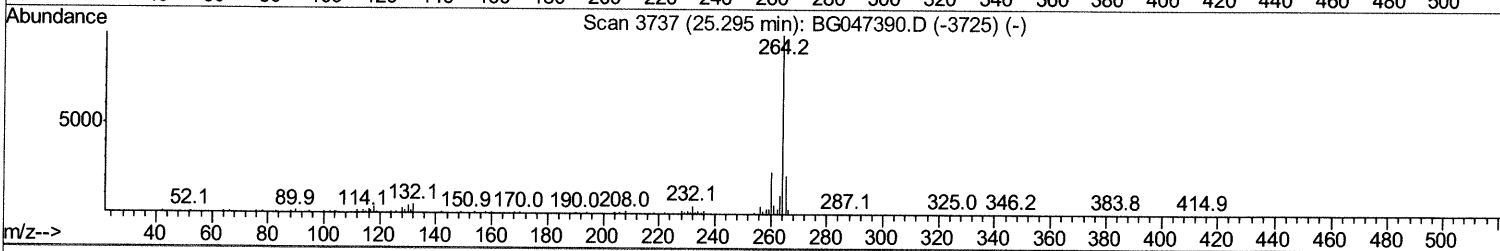
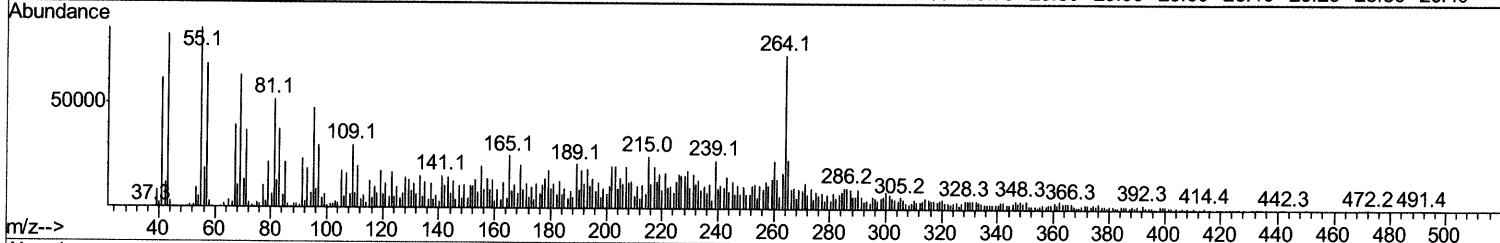
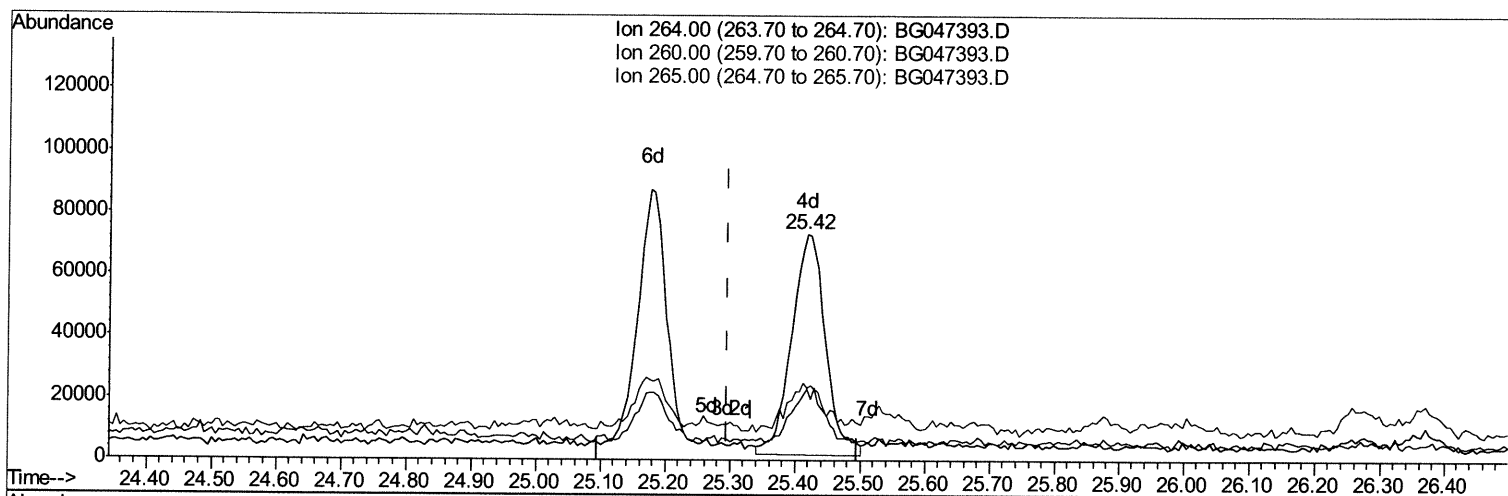
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG112120\
Data File : BG047393.D
Acq On : 21 Nov 2020 11:52
Operator : CG/JU
Sample : L4854-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AD1

Manual Integrations
APPROVED

mohammad
11/24/2020 9:00:16 AM

Quant Time: Nov 21 12:37:30 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 21 11:53:19 2020
Response via : Initial Calibration



TIC: BG047393.D

(86) Perylene-d12 (I)

25.417min (+0.122) 20.00ng/ul m 11/30/20 JU

response 258638

Ion	Exp%	Act%
264.00	100	100
260.00	22.10	31.40#
265.00	20.40	31.91#
0.00	0.00	0.00

Quantitation Report (Qedit)

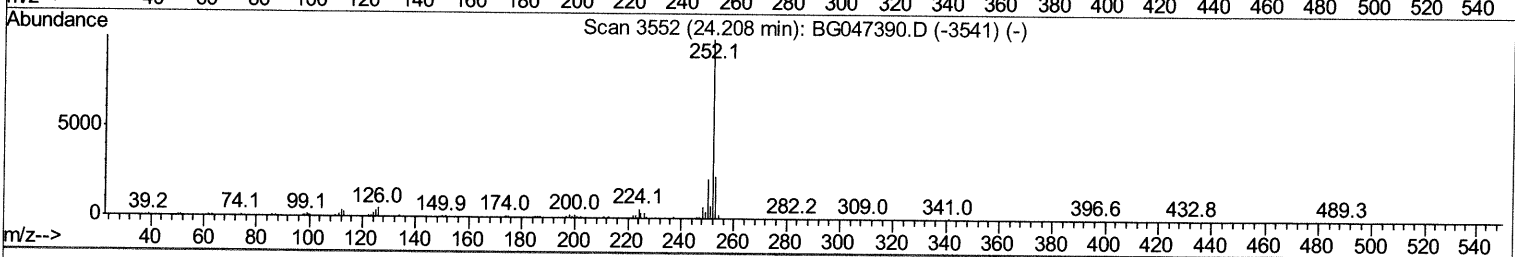
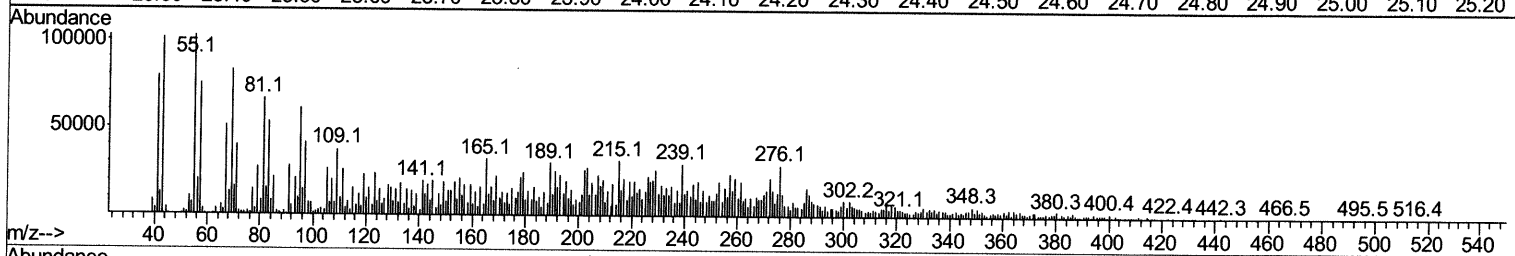
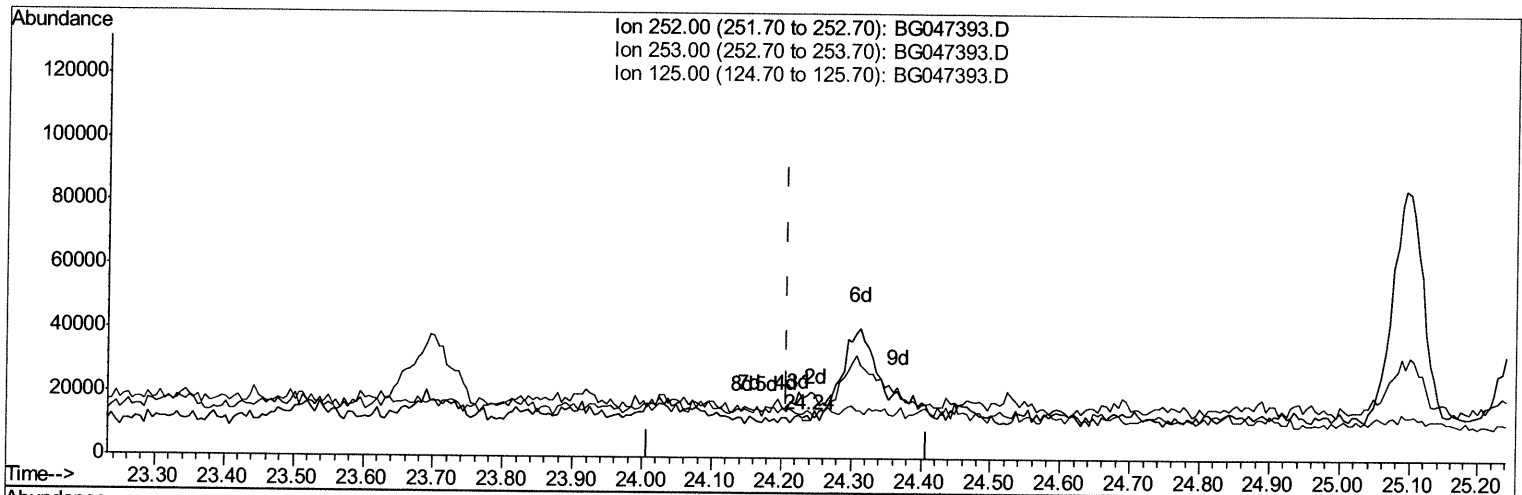
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG112120\
Data File : BG047393.D
Acq On : 21 Nov 2020 11:52
Operator : CG/JU
Sample : L4854-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AD1

Manual Integrations
APPROVED

mohammad
11/24/2020 9:00:16 AM

Quant Time: Nov 21 12:42:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 21 11:53:19 2020
Response via : Initial Calibration



TIC: BG047393.D

(88) Benzo(b)fluoranthene

24.236min (+0.028) 0.03ng/ui

response 542

Ion	Exp%	Act%
252.00	100	100
253.00	23.00	143.19#
125.00	3.10	111.24#
0.00	0.00	0.00

Quantitation Report (Qedit)

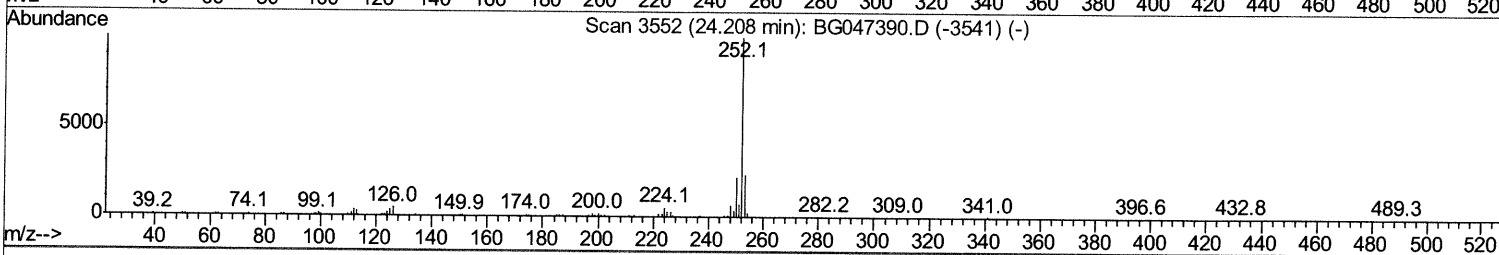
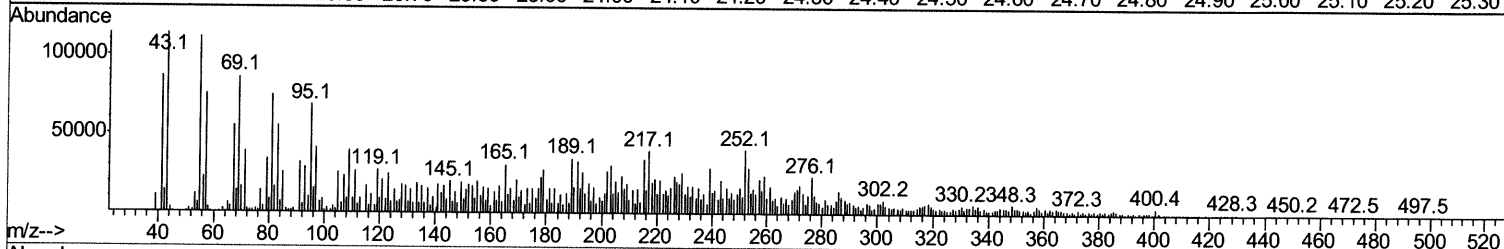
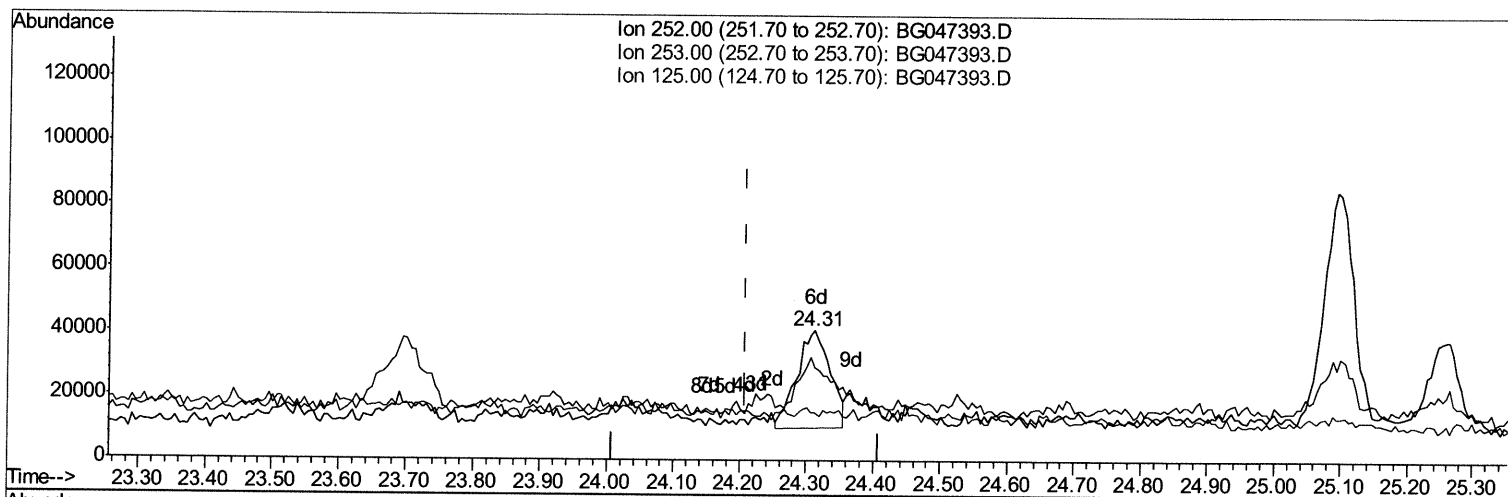
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG112120\
Data File : BG047393.D
Acq On : 21 Nov 2020 11:52
Operator : CG/JU
Sample : L4854-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AD1

Manual Integrations
APPROVED

mohammad
11/24/2020 9:00:16 AM

Quant Time: Nov 21 12:42:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 21 11:53:19 2020
Response via : Initial Calibration



TIC: BG047393.D

(88) Benzo(b)fluoranthene

24.313min (+0.105) 5.84ng/ul m 11/30/2020

response 106696

Ion	Exp%	Act%
252.00	100	100
253.00	23.00	71.91#
125.00	3.10	36.65#
0.00	0.00	0.00

Quantitation Report (Qedit)

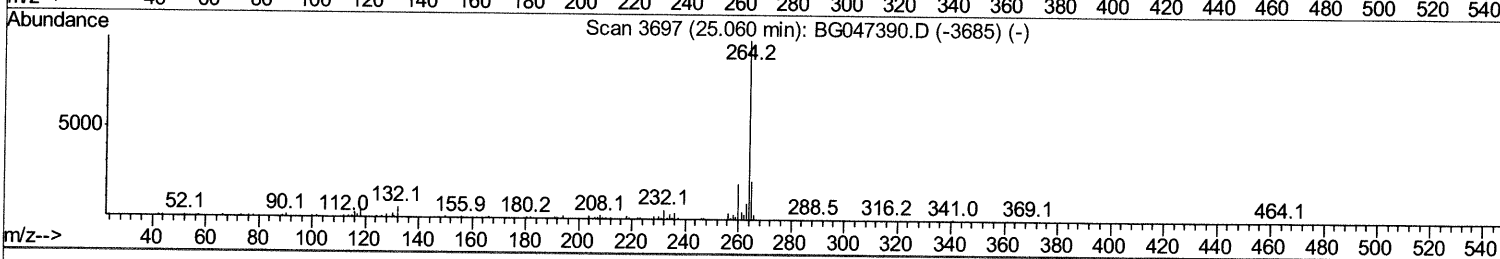
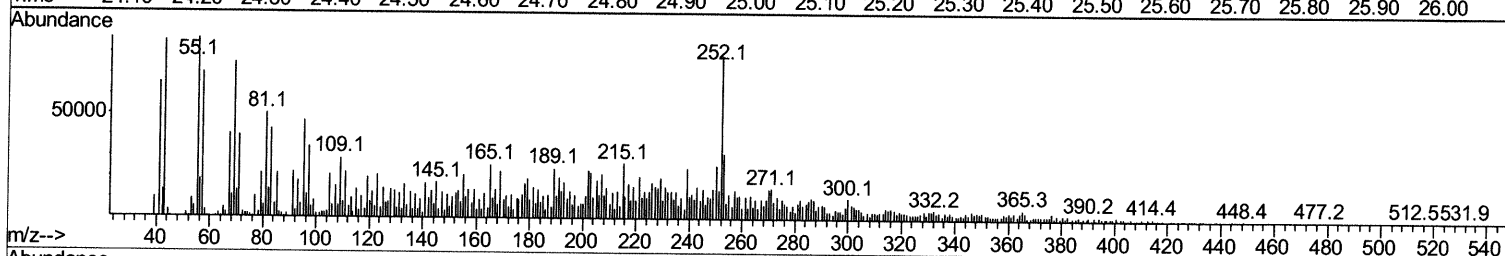
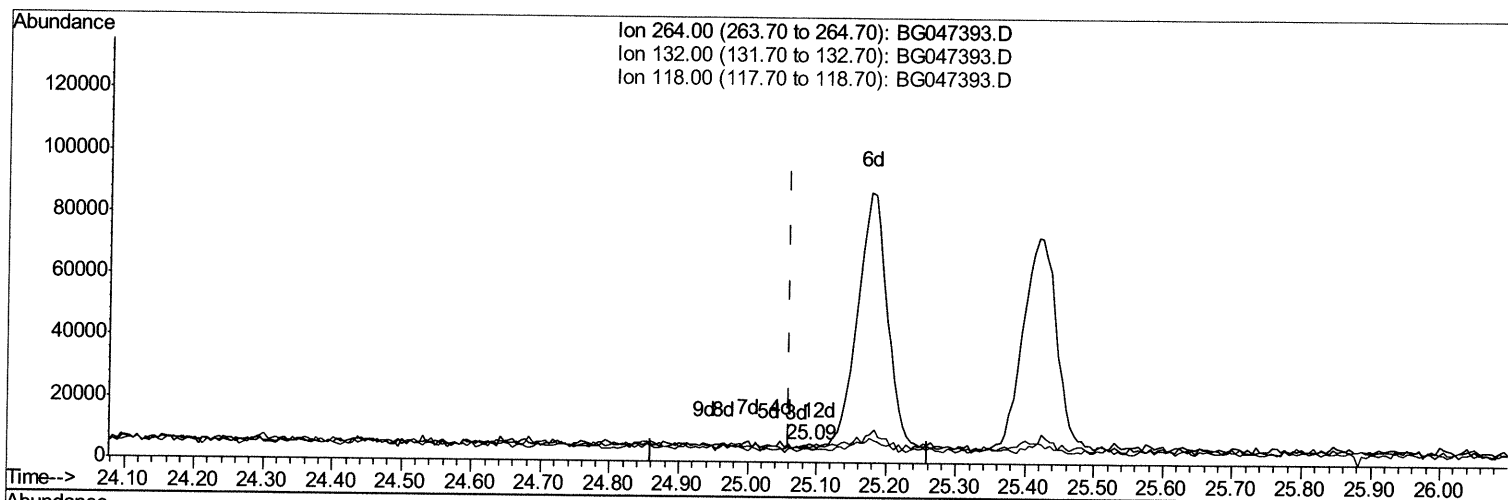
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG112120\
Data File : BG047393.D
Acq On : 21 Nov 2020 11:52
Operator : CG/JU
Sample : L4854-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AD1

Manual Integrations
APPROVED

mohammad
11/24/2020 9:00:16 AM

Quant Time: Nov 21 12:42:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 21 11:53:19 2020
Response via : Initial Calibration



TIC: BG047393.D

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

25.088min (+0.028) 0.08ng/ul

response 1175

Ion	Exp%	Act%
264.00	100	100
132.00	5.40	77.80#
118.00	3.90	74.17#
0.00	0.00	0.00

Quantitation Report (Qedit)

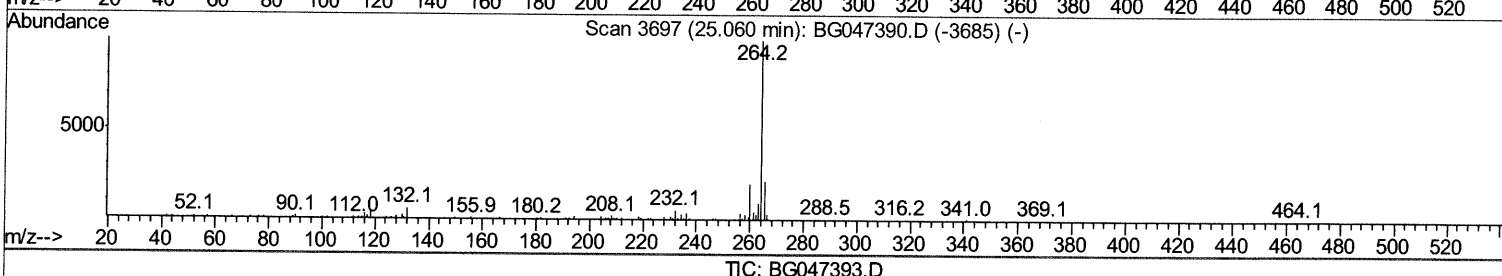
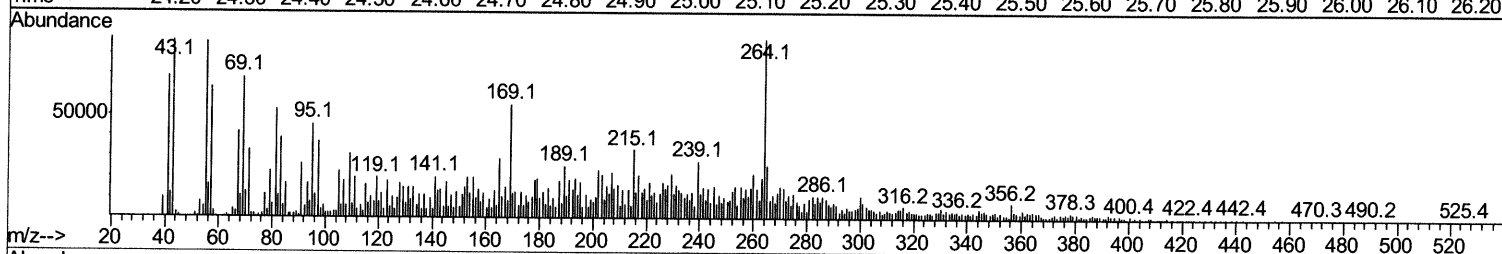
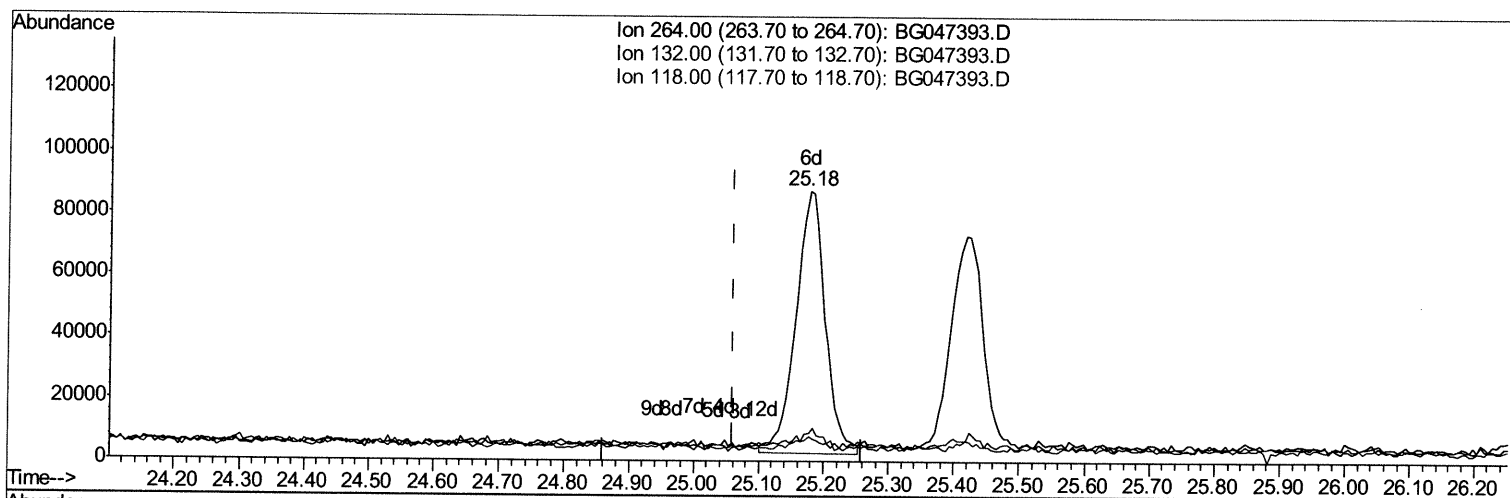
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG112120\
Data File : BG047393.D
Acq On : 21 Nov 2020 11:52
Operator : CG/JU
Sample : L4854-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AD1

Manual Integrations
APPROVED

mohammad
11/24/2020 9:00:16 AM

Quant Time: Nov 21 12:42:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 21 11:53:19 2020
Response via : Initial Calibration



TIC: BG047393.D

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

25.177min (+0.117) 18.03ng/ul m 11/30/20 JU

response 268427

Ion	Exp%	Act%
264.00	100	100
132.00	5.40	10.31#
118.00	3.90	9.03#
0.00	0.00	0.00

Quantitation Report (Qedit)

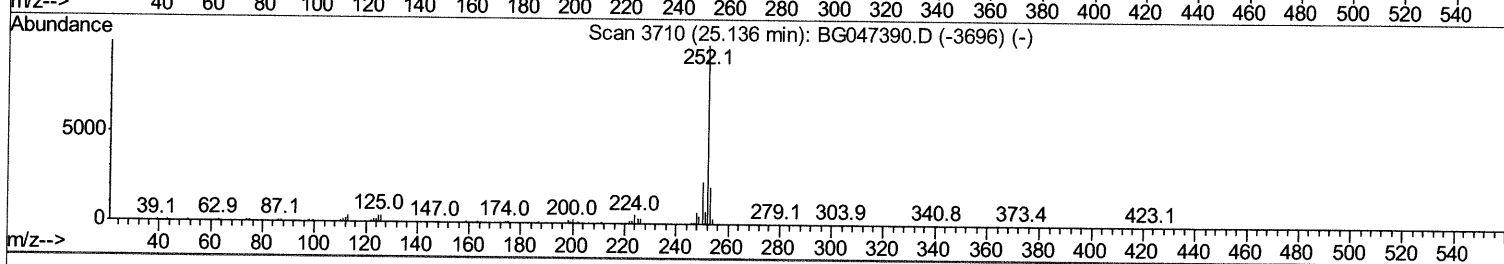
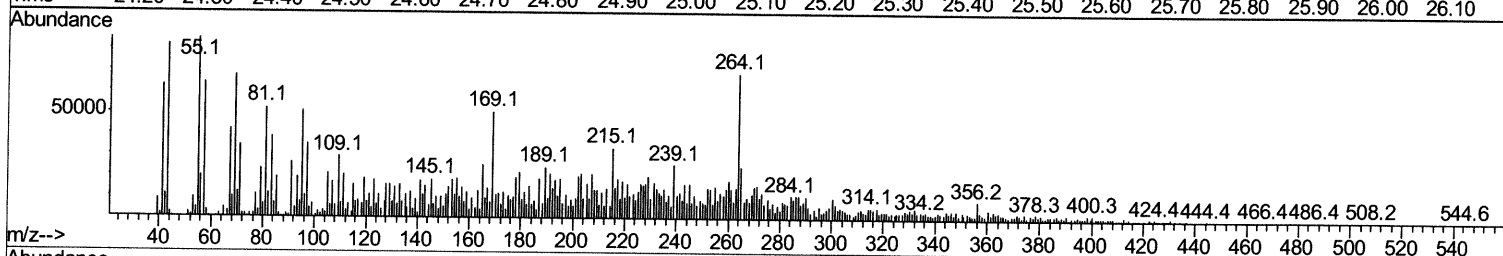
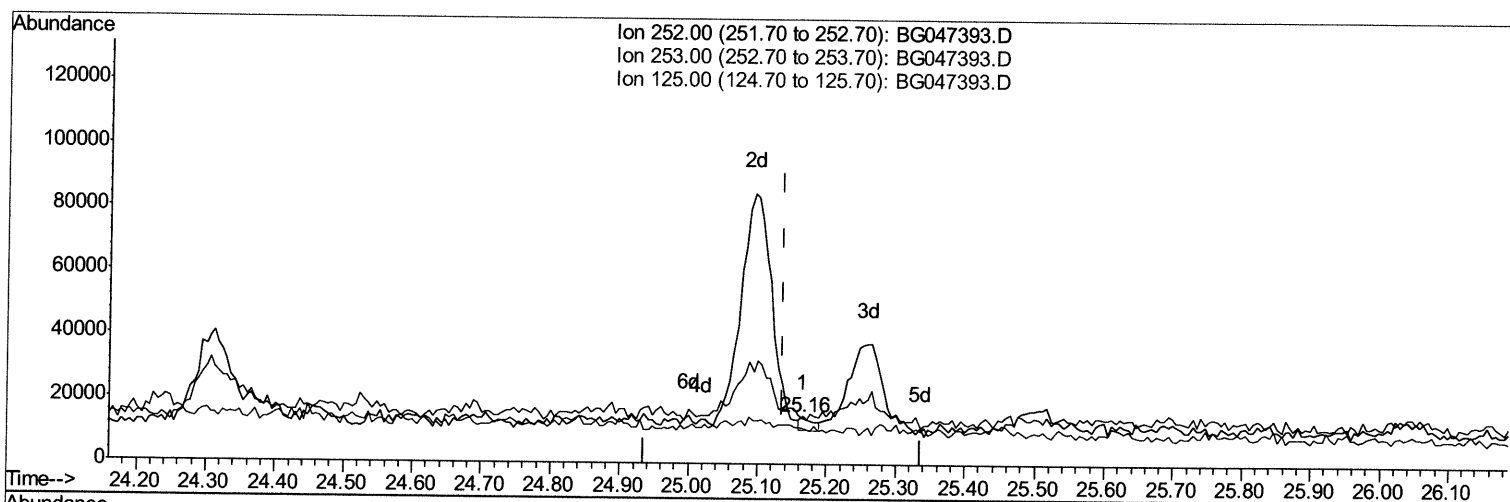
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG112120\
Data File : BG047393.D
Acq On : 21 Nov 2020 11:52
Operator : CG/JU
Sample : L4854-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AD1

Manual Integrations
APPROVED

mohammad
11/24/2020 9:00:16 AM

Quant Time: Nov 21 12:42:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 21 11:53:19 2020
Response via : Initial Calibration



TIC: BG047393.D

(91) Benzo(a)pyrene (C)

25.165min (+0.028) 0.35ng/ul

response 5734

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	95.21#
125.00	3.90	74.46#
0.00	0.00	0.00

Quantitation Report (Qedit)

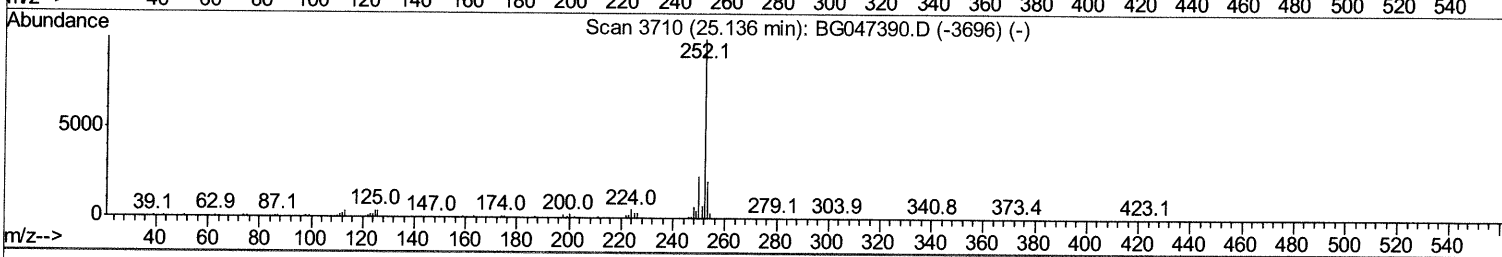
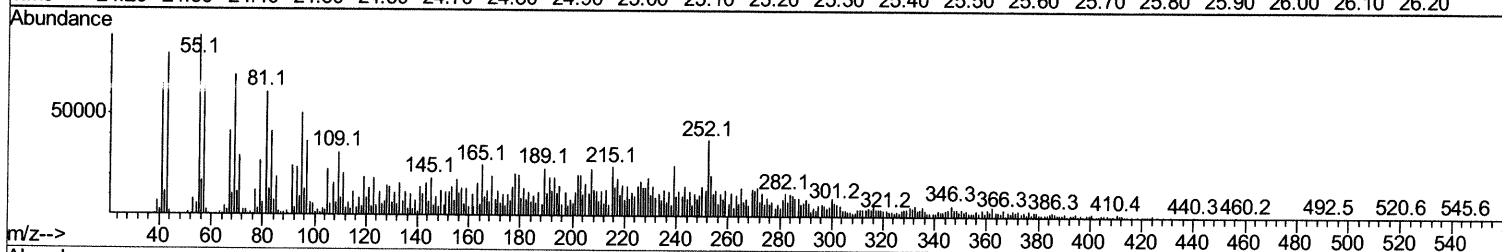
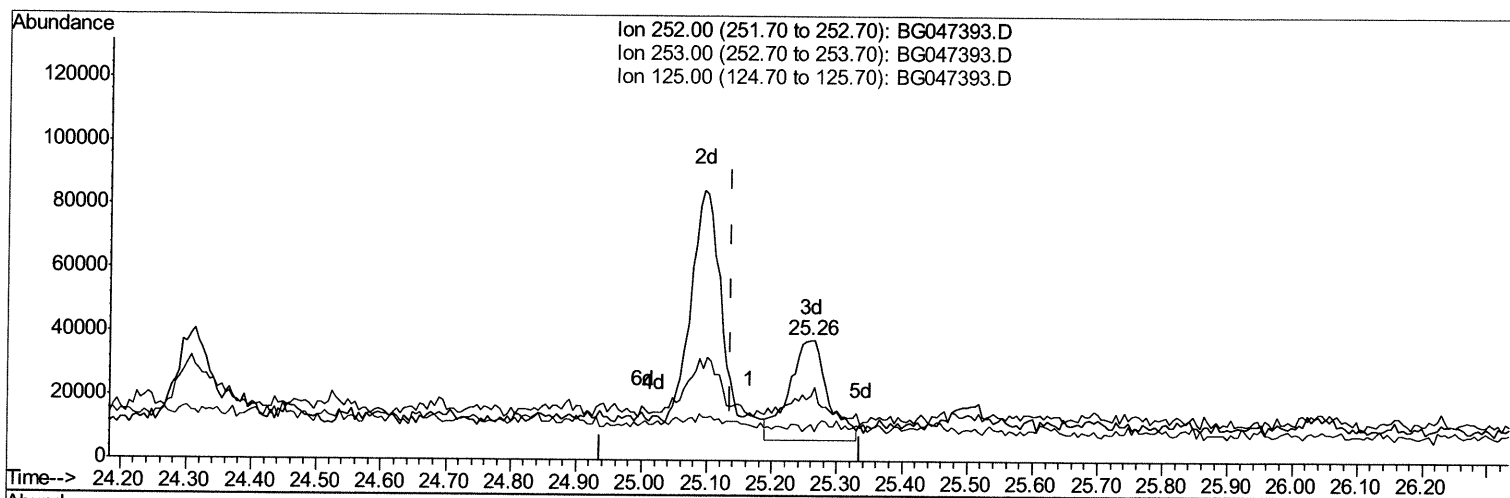
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG112120\
Data File : BG047393.D
Acq On : 21 Nov 2020 11:52
Operator : CG/JU
Sample : L4854-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AD1

Manual Integrations
APPROVED

mohammad
11/24/2020 9:00:16 AM

Quant Time: Nov 21 12:42:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 21 11:53:19 2020
Response via : Initial Calibration



TIC: BG047393.D

(91) Benzo(a)pyrene (C)

25.259min (+0.122) 8.01ng/ul m 11/26/20 JU

response 130440

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	54.31#
125.00	3.90	30.78#
0.00	0.00	0.00

Quantitation Report (Qedit)

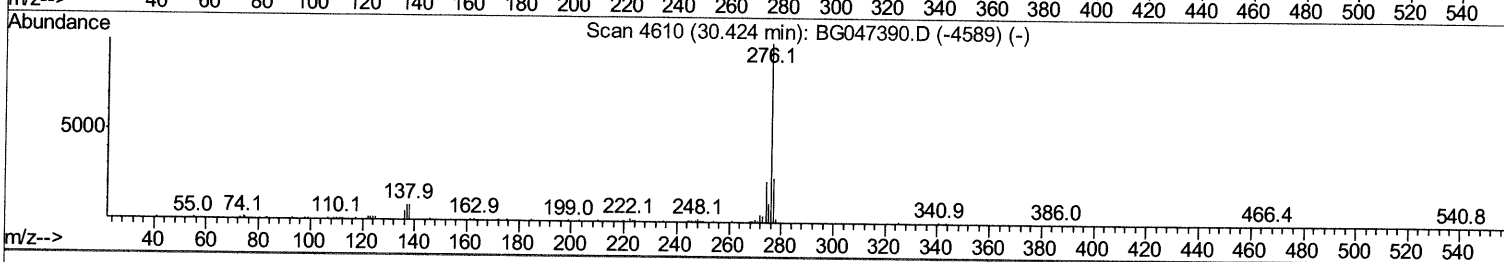
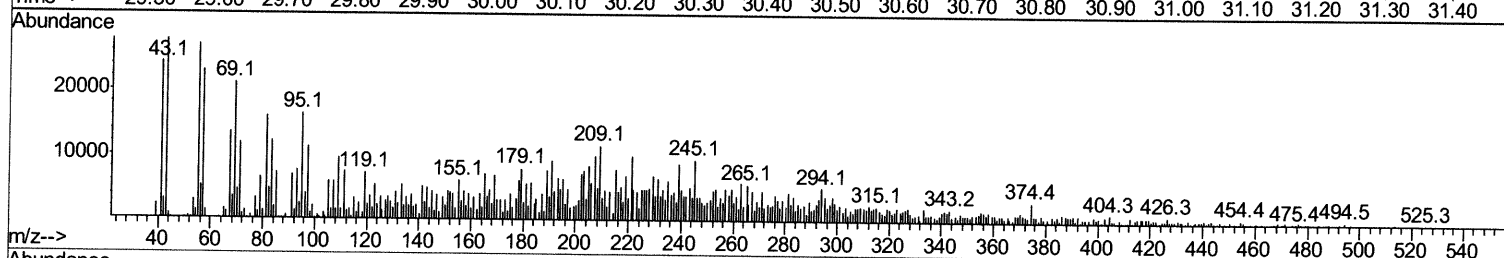
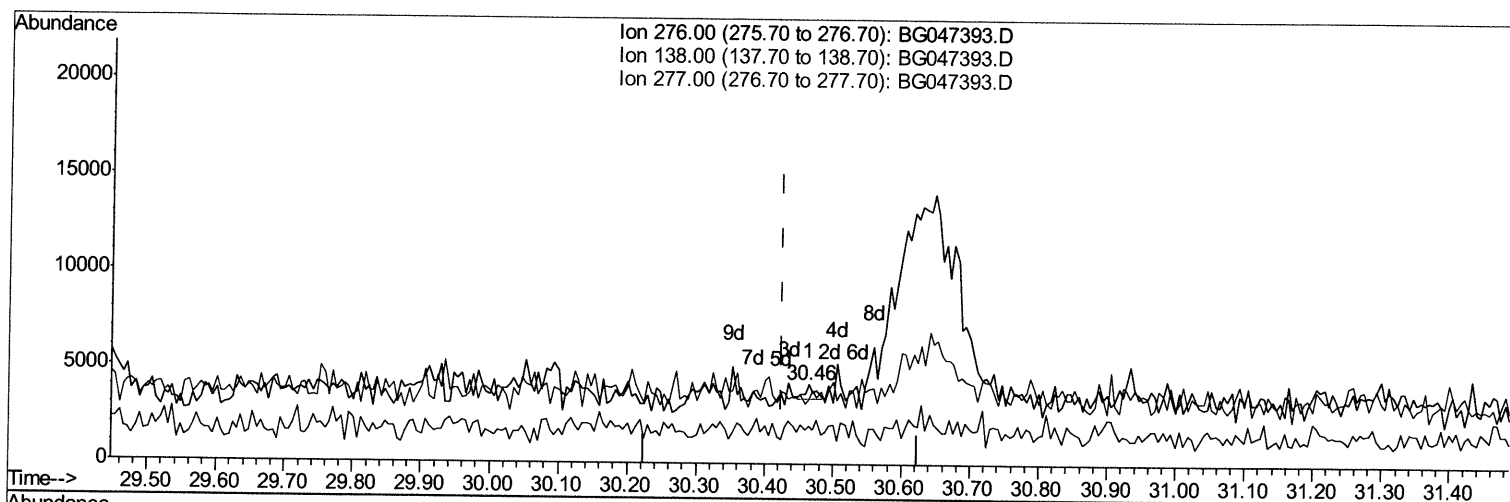
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG112120\
Data File : BG047393.D
Acq On : 21 Nov 2020 11:52
Operator : CG/JU
Sample : L4854-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AD1

Manual Integrations
APPROVED

mohammad
11/24/2020 9:00:16 AM

Quant Time: Nov 21 12:42:05 2020
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TIC: BG047393.D

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

30.464min (+0.040) 0.05ng/ul

response 777

Ion	Exp%	Act%
276.00	100	100
138.00	10.20	48.69#
277.00	21.90	81.77#
0.00	0.00	0.00

Quantitation Report (Qedit)

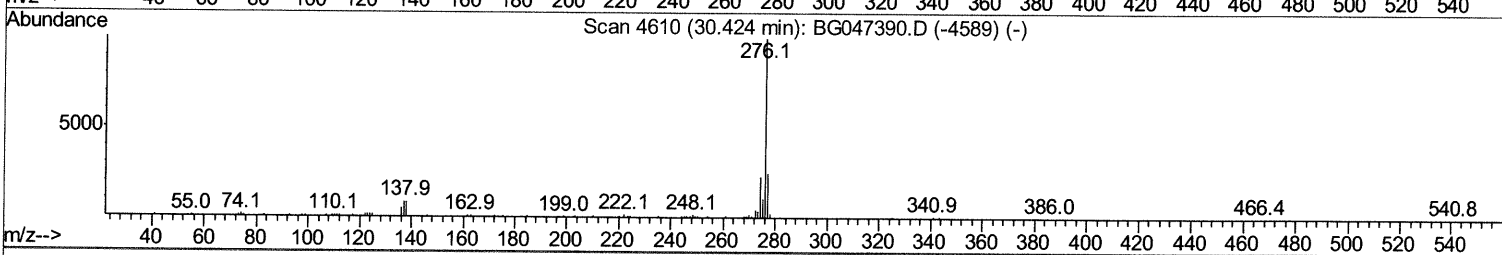
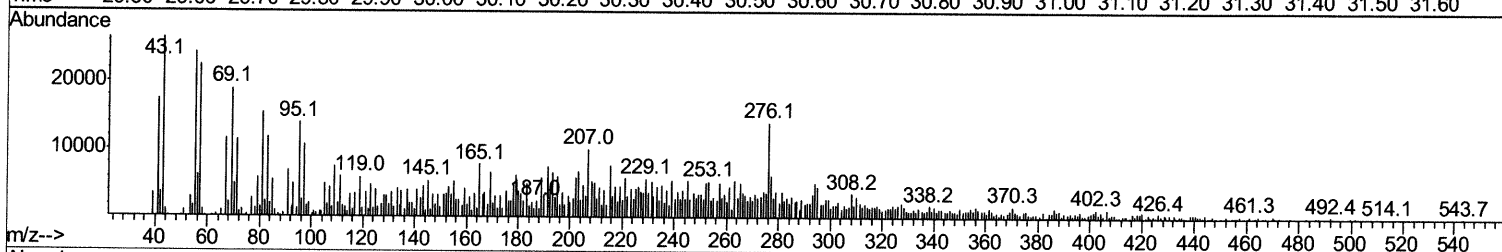
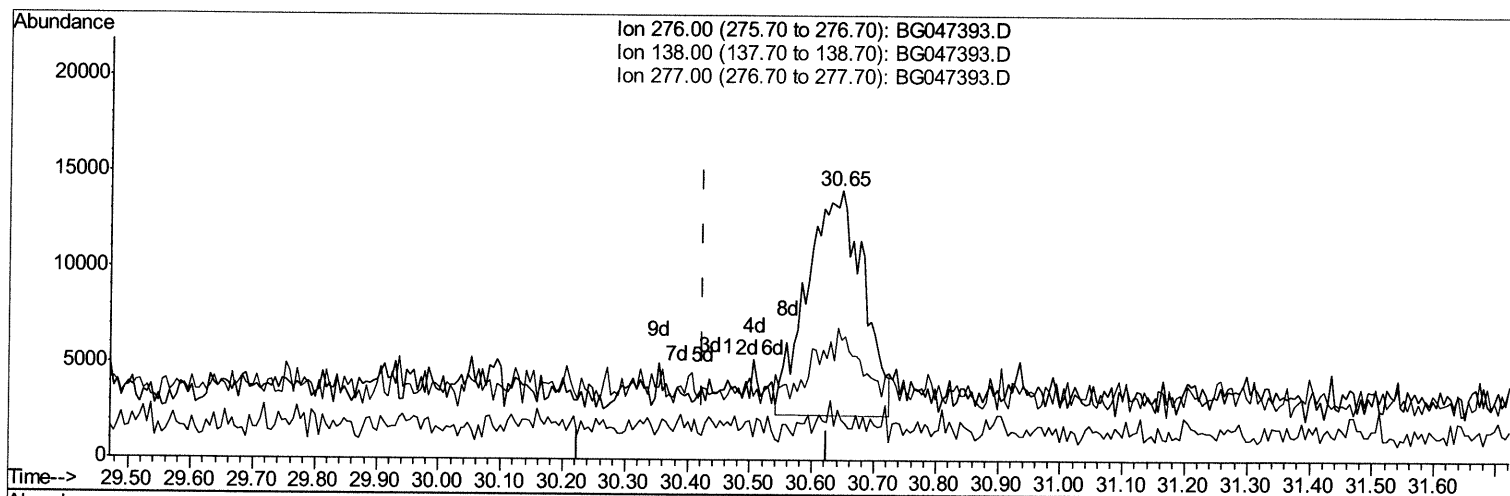
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG112120\
Data File : BG047393.D
Acq On : 21 Nov 2020 11:52
Operator : CG/JU
Sample : L4854-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AD1

Manual Integrations
APPROVED

mohammad
11/24/2020 9:00:16 AM

Quant Time: Nov 21 12:42:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 21 11:53:19 2020
Response via : Initial Calibration



TIC: BG047393.D

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

30.647min (+0.222) 4.52ng/ul m 11/30/2024

response 73933

Ion	Exp%	Act%
276.00	100	100
138.00	10.20	14.94#
277.00	21.90	44.61#
0.00	0.00	0.00

Quantitation Report (Qedit)

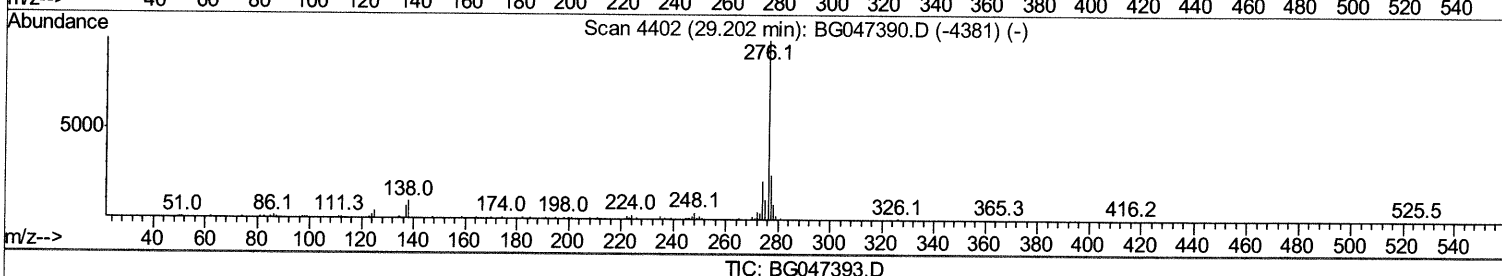
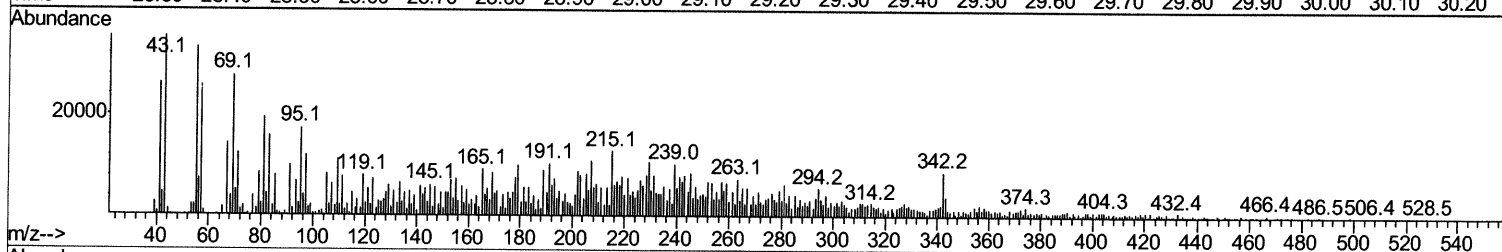
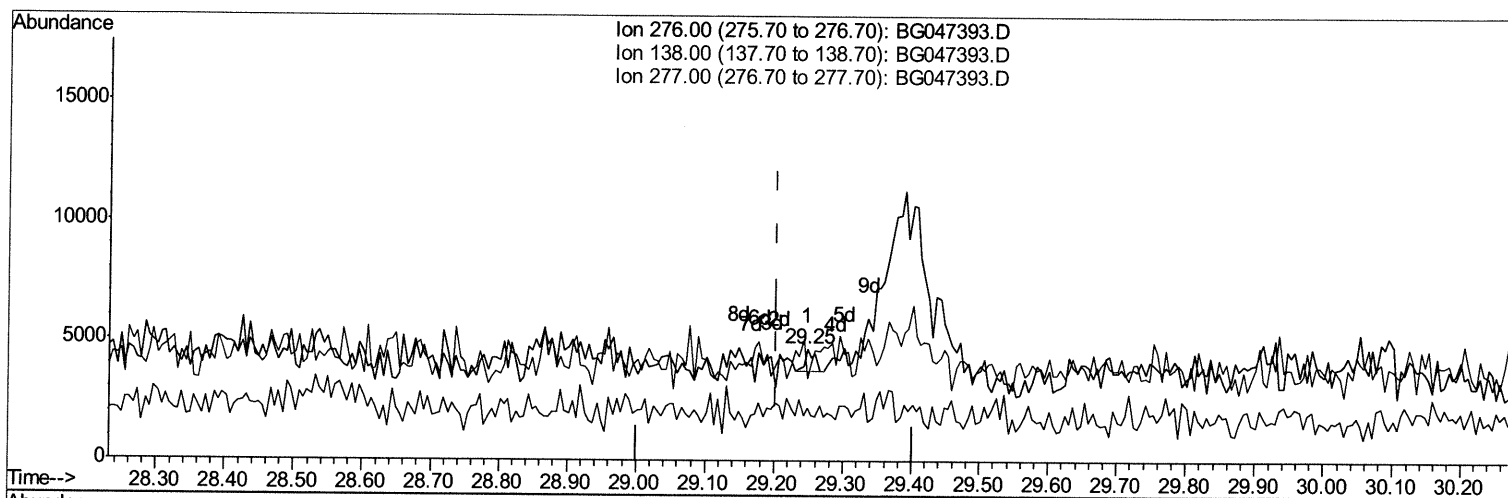
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG112120\
Data File : BG047393.D
Acq On : 21 Nov 2020 11:52
Operator : CG/JU
Sample : L4854-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AD1

Manual Integrations
APPROVED

mohammad
11/24/2020 9:00:16 AM

Quant Time: Nov 21 12:42:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 21 11:53:19 2020
Response via : Initial Calibration



TIC: BG047393.D

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

29.248min (+0.046) 0.05ng/ul

response 909

Ion	Exp%	Act%
276.00	100	100
138.00	9.40	47.60#
277.00	24.90	73.55#
0.00	0.00	0.00

Quantitation Report (Qedit)

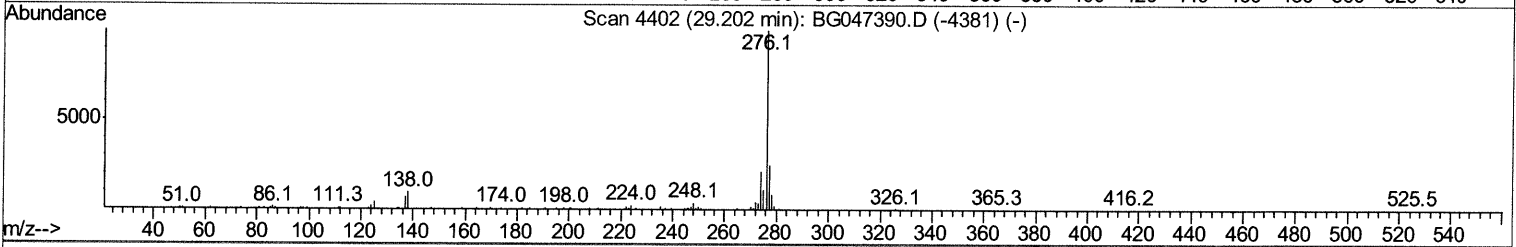
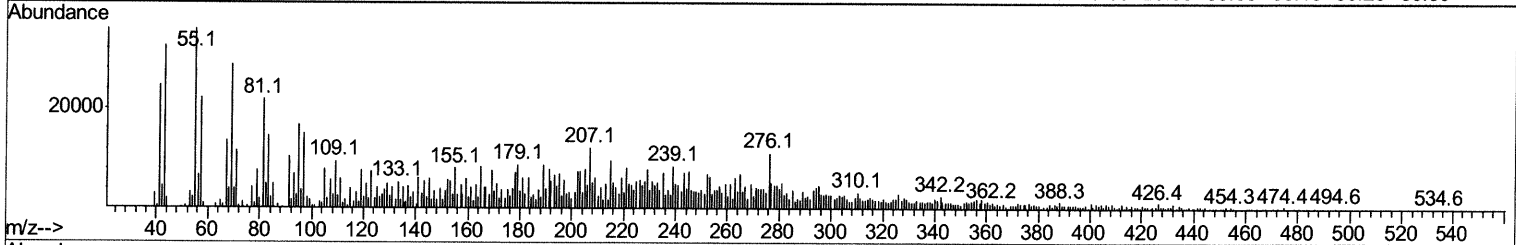
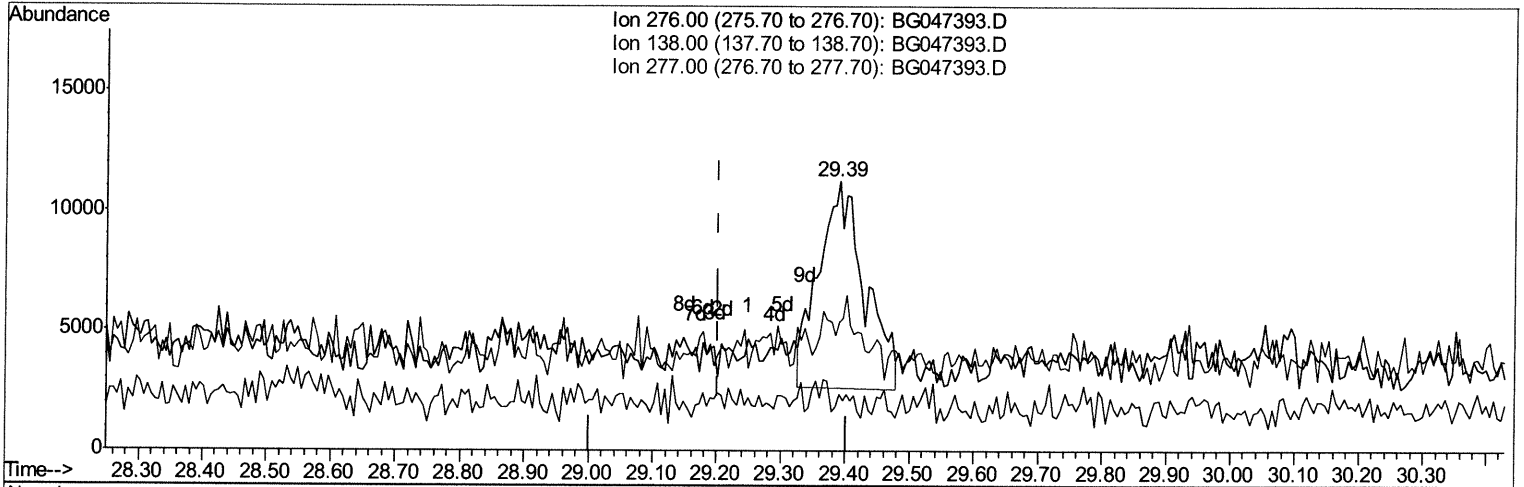
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG112120\
 Data File : BG047393.D
 Acq On : 21 Nov 2020 11:52
 Operator : CG/JU
 Sample : L4854-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
ClientSampleId :
 C0AD1

Manual Integrations
APPROVED

mohammad
 11/24/2020 9:00:16 AM

Quant Time: Nov 21 12:42:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 21 11:53:19 2020
 Response via : Initial Calibration



TIC: BG047393.D

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

29.389min (+0.187) 2.17ng/ul m 11/30/2020

response 42916

Ion	Exp%	Act%
276.00	100	100
138.00	9.40	20.93#
277.00	24.90	47.83#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG112120\
 Data File : BG047393.D
 Acq On : 21 Nov 2020 11:52
 Operator : CG/JU
 Sample : L4854-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 C0AD1

Manual Integrations
 APPROVED

mohammad
 11/24/2020 9:00:16 AM

Quant Time: Nov 21 13:19:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG111920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 21 11:53:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	42002	20.00	ng/ul	0.00
18) Naphthalene-d8	11.10	136	145225	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.89	164	98967	20.00	ng/ul	0.01
62) Phenanthrene-d10	17.63	188	200239	20.00	ng/ul	0.02
78) Chrysene-d12	21.94	240	225339	20.00	ng/ul	0.04
86) Perylene-d12	25.42	264	258638m >	20.00	ng/ul >	0.12 11/30/20 JU

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.63	96	2158	1.87	ng/uL	0.01
5) Phenol-d5	7.40	99	64617	15.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.59	67	39394	16.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.80	132	45488	16.10	ng/ul	0.00
13) 4-Methylphenol-d8	8.97	113	49292	15.23	ng/ul	0.00
19) Nitrobenzene-d5	9.44	128	24115	20.10	ng/ul	0.00
22) 2-Nitrophenol-d4	10.17	143	27368	20.91	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.71	165	53258	17.77	ng/ul	0.00
29) 4-Chloroaniline-d4	11.22	131	115530	38.12	ng/ul	0.00
44) Dimethylphthalate-d6	14.28	166	145746	17.15	ng/ul	0.00
47) Acenaphthylene-d8	14.59	160	181966	18.53	ng/ul	0.02
52) 4-Nitrophenol-d4	15.05	143	21469	16.56	ng/ul	0.01
58) Fluorene-d10	15.88	176	129817	16.68	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	16.00	200	22829m >	20.03	ng/ul >	0.03 11/30/20 JU
71) Anthracene-d10	17.73	188	197293	19.86	ng/ul	0.02
79) Pyrene-d10	20.00	212	225443	17.19	ng/ul	0.02
90) Benzo(a)pyrene-d12	25.18	264	268427m >	18.03	ng/ul >	0.12 11/30/20 JU

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Phenol	7.43	94	13299	3.295	ng/ul#	88
28) Naphthalene	11.16	128	131715	16.013	ng/ul#	93
34) 2-Methylnaphthalene	12.74	142	369449	60.611	ng/ul	97
41) 1,1'-Biphenyl	13.73	154	85904	11.190	ng/ul	100
45) Dimethylphthalate	14.33	163	51474	5.940	ng/ul#	71
50) Acenaphthene	14.96	153	101249	15.817	ng/ul	86
54) Dibenzofuran	15.29	168	97484	10.368	ng/ul#	8
59) Fluorene	15.93	166	138685	17.509	ng/ul#	88
70) Phenanthrene	17.68	178	1270370	117.482	ng/ul#	95
72) Anthracene	17.77	178	138181	12.689	ng/ul#	82
73) 1,2,3,4-Tetrachlorobenzene	13.70	216	4079	1.296	ng/uL	88
77) Fluoranthene	19.67	202	234302	17.157	ng/ul#	95
80) Pyrene	20.04	202	1299410	81.407	ng/ul#	98
83) Benzo(a)anthracene	21.92	228	181487	11.319	ng/ul#	19
85) Chrysene	21.99	228	217866	14.279	ng/ul#	60
88) Benzo(b)fluoranthene	24.31	252	106696m }	5.843	ng/ul }	11/30/20 JU
91) Benzo(a)pyrene	25.26	252	130440m }	8.013	ng/ul }	
92) Indeno(1,2,3-cd)pyrene	29.39	276	42916m }	2.167	ng/ul }	
94) Benzo(q,h,i)perylene	30.65	276	73933m }	4.525	ng/ul }	

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