

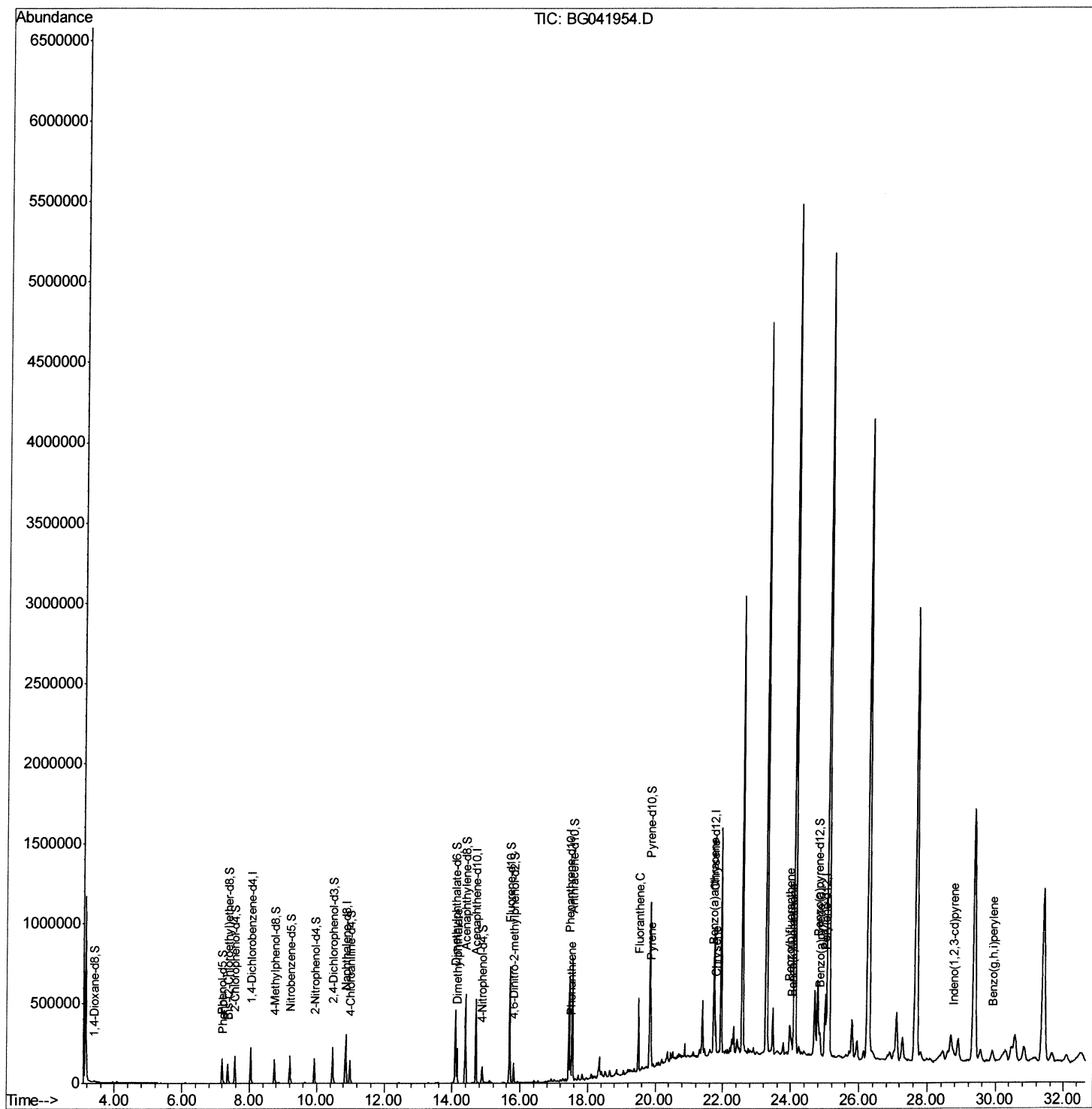
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080319\
Data File : BG041954.D
Acq On : 4 Aug 2019 22:43
Operator : HP/JU
Sample : K3962-18
Misc :
ALS Vial : 55 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENZ4

Manual Integrations
APPROVED

mohammad
8/5/2019 3:04:08 PM

Quant Time: Aug 05 12:27:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 05 05:06:29 2019
Response via : Initial Calibration



Quantitation Report (Qedit)

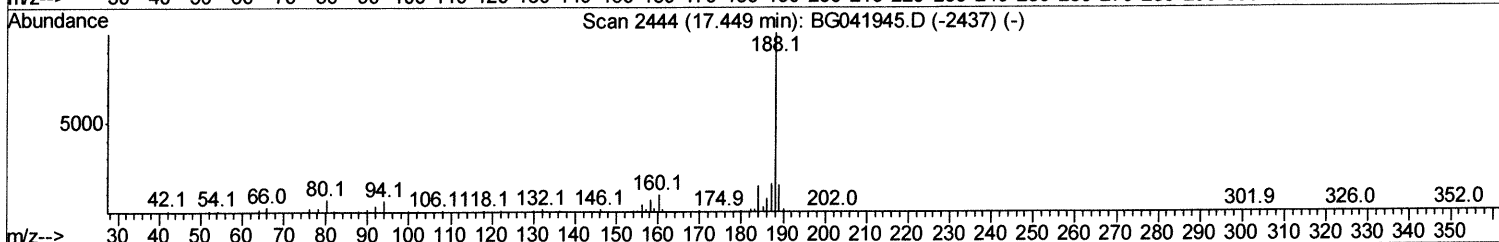
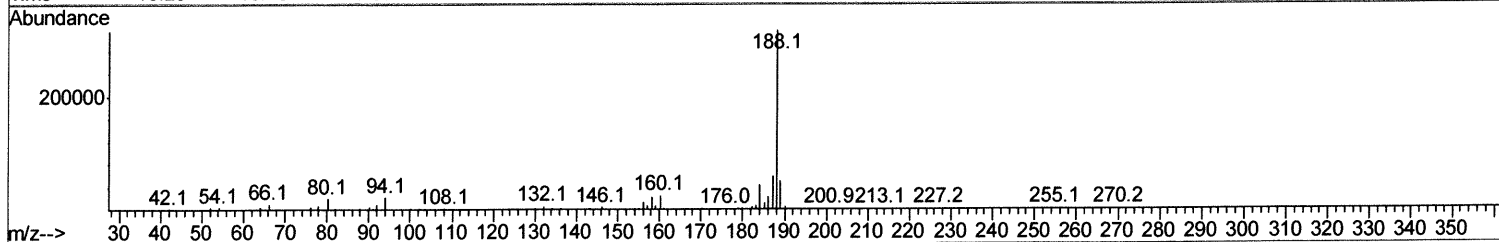
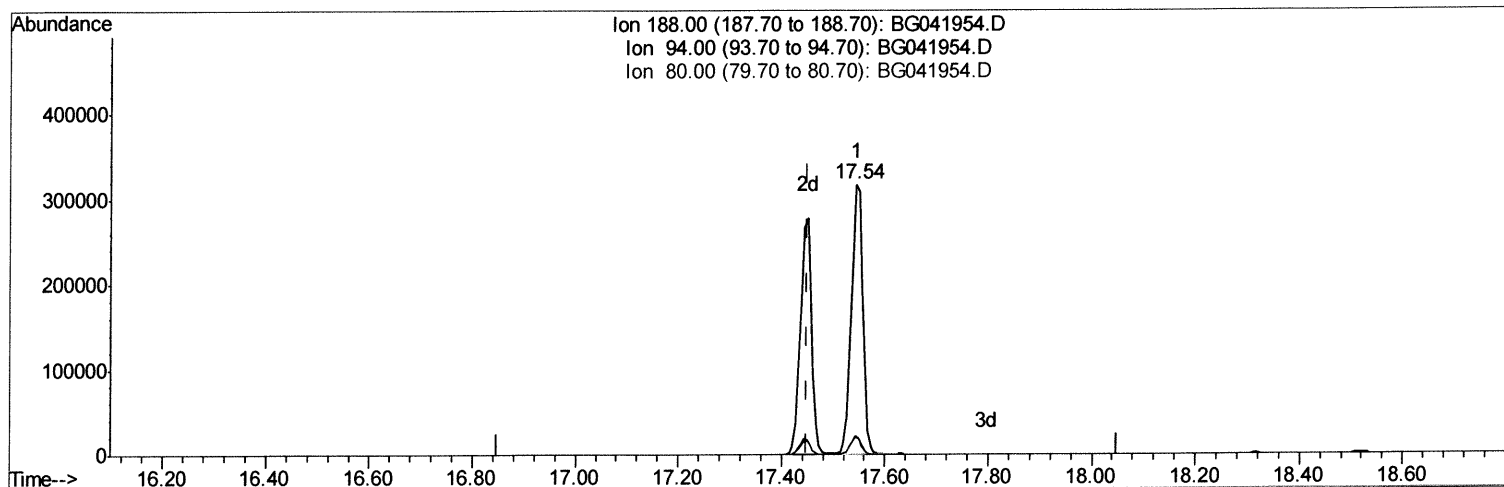
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041954.D
Acq On : 4 Aug 2019 22:43
Operator : HP/JU
Sample : K3962-18
Misc :
ALS Vial : 55 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENZ4

Manual Integrations
APPROVED

mohammad
8/5/2019 3:04:08 PM

Quant Time: Aug 05 09:18:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 05 05:06:29 2019
Response via : Initial Calibration



TIC: BG041954.D

(61) Phenanthrene-d10 (I)

17.543min (+0.094) 20.00ng/ul

response 483547

Ion	Exp%	Act%
188.00	100	100
94.00	7.00	6.83
80.00	7.40	6.21
0.00	0.00	0.00

Quantitation Report (Qedit)

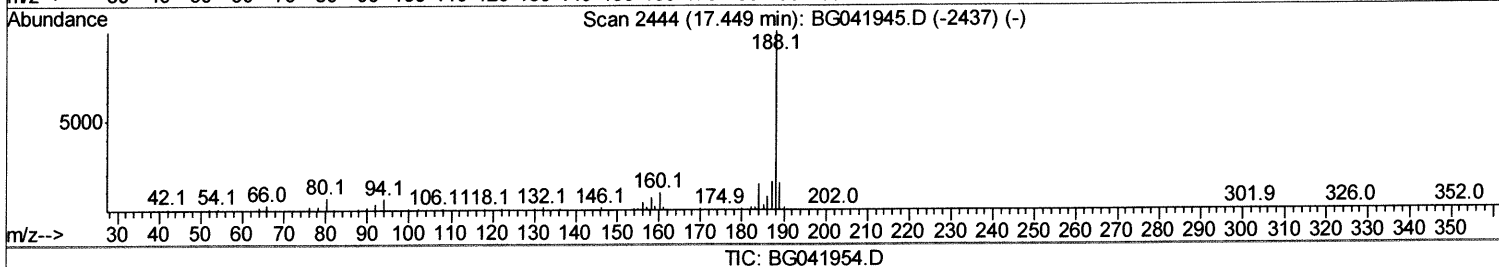
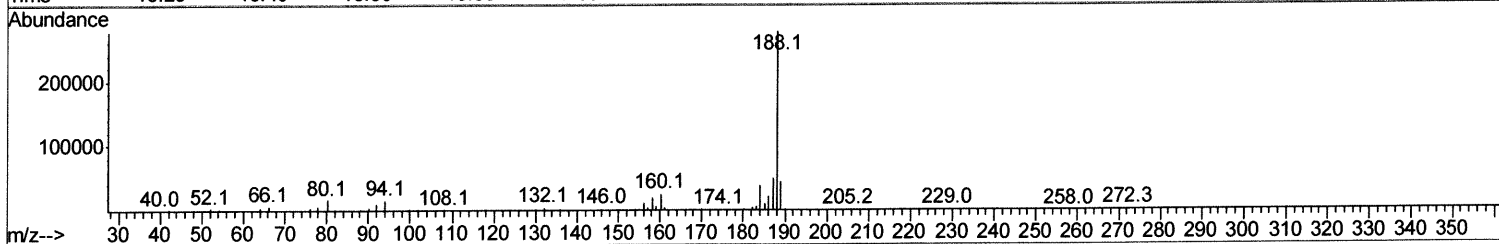
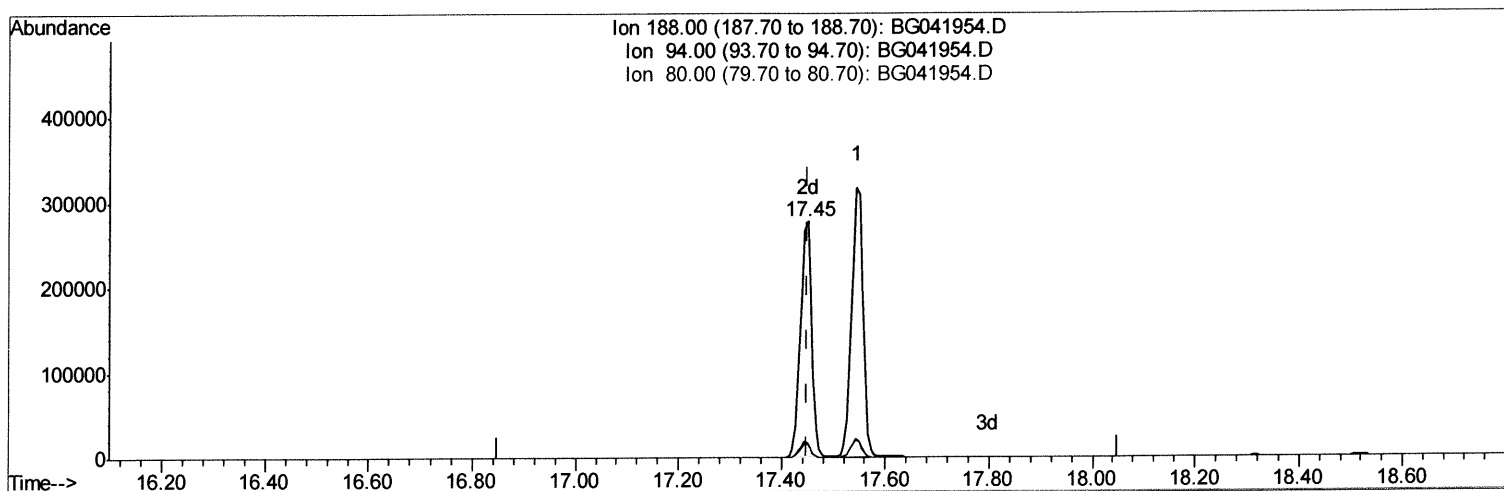
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041954.D
Acq On : 4 Aug 2019 22:43
Operator : HP/JU
Sample : K3962-18
Misc :
ALS Vial : 55 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENZ4

Manual Integrations
APPROVED

mohammad
8/5/2019 3:04:08 PM

Quant Time: Aug 05 09:18:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 05 05:06:29 2019
Response via : Initial Calibration



TIC: BG041954.D

(61) Phenanthrene-d10 (I)

17.449min (-0.000) 20.00ng/ul m *JU 08/05/19*

response 427455

Ion	Exp%	Act%
188.00	100	100
94.00	7.00	5.60#
80.00	7.40	6.13
0.00	0.00	0.00

Quantitation Report (Qedit)

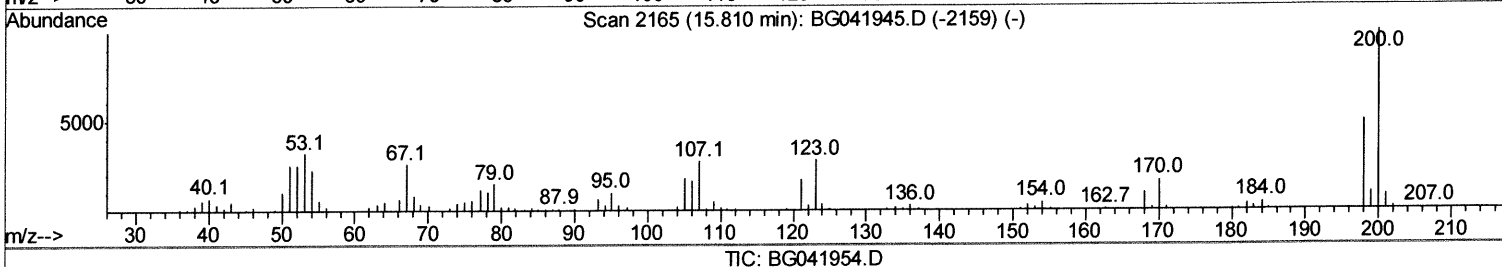
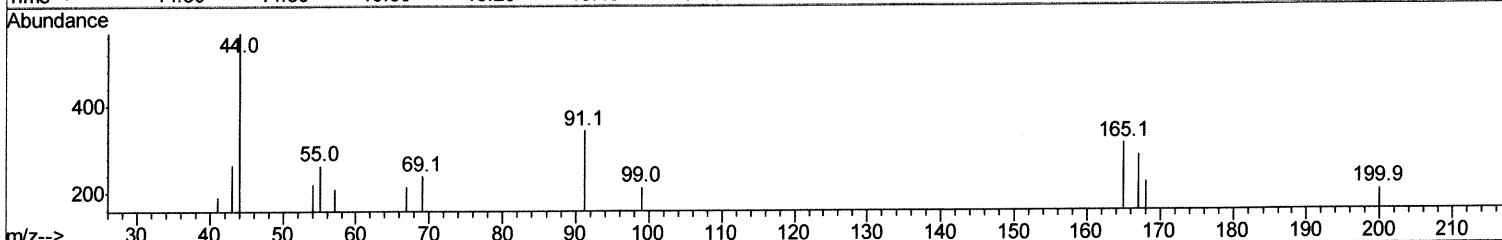
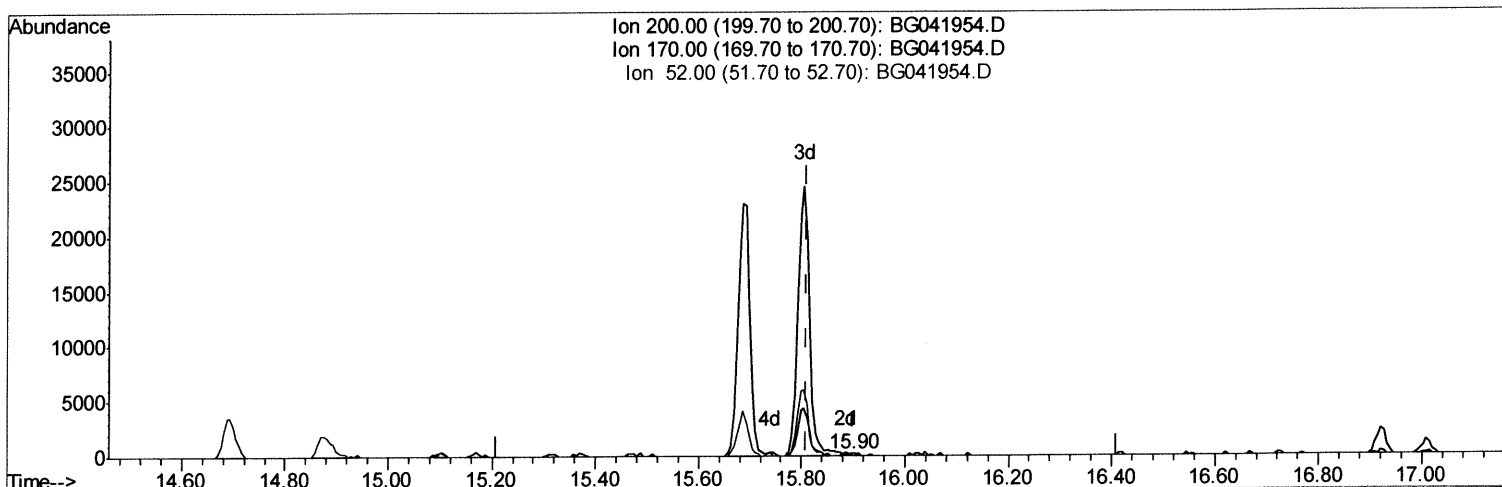
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
 Data File : BG041954.D
 Acq On : 4 Aug 2019 22:43
 Operator : HP/JU
 Sample : K3962-18
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BENZ4

Manual Integrations
 APPROVED

mohammad
 8/5/2019 3:04:08 PM

Quant Time: Aug 05 10:07:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 05 05:06:29 2019
 Response via : Initial Calibration



(62) 4,6-Dinitro-2-methylphenol-d2 (S)

15.898min (+0.088) 0.07ng/ul

response 198

Ion	Exp%	Act%
200.00	100	100
170.00	15.80	0.00#
52.00	31.40	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

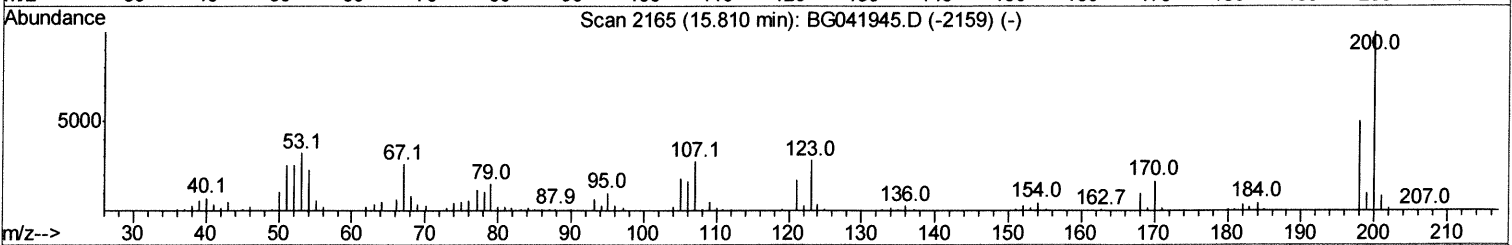
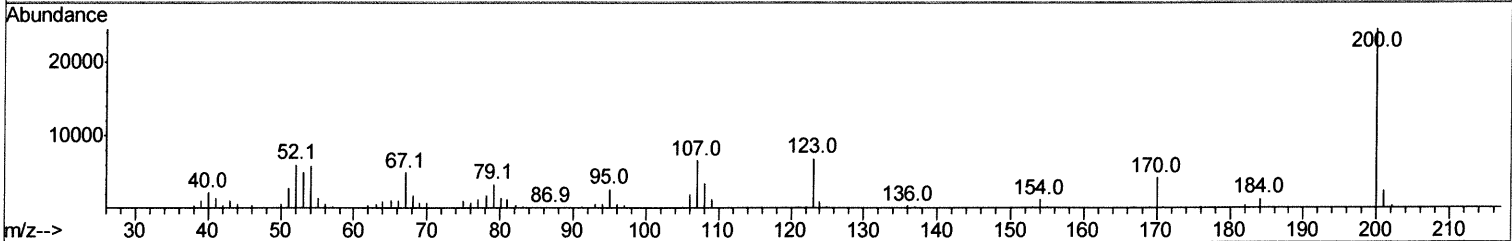
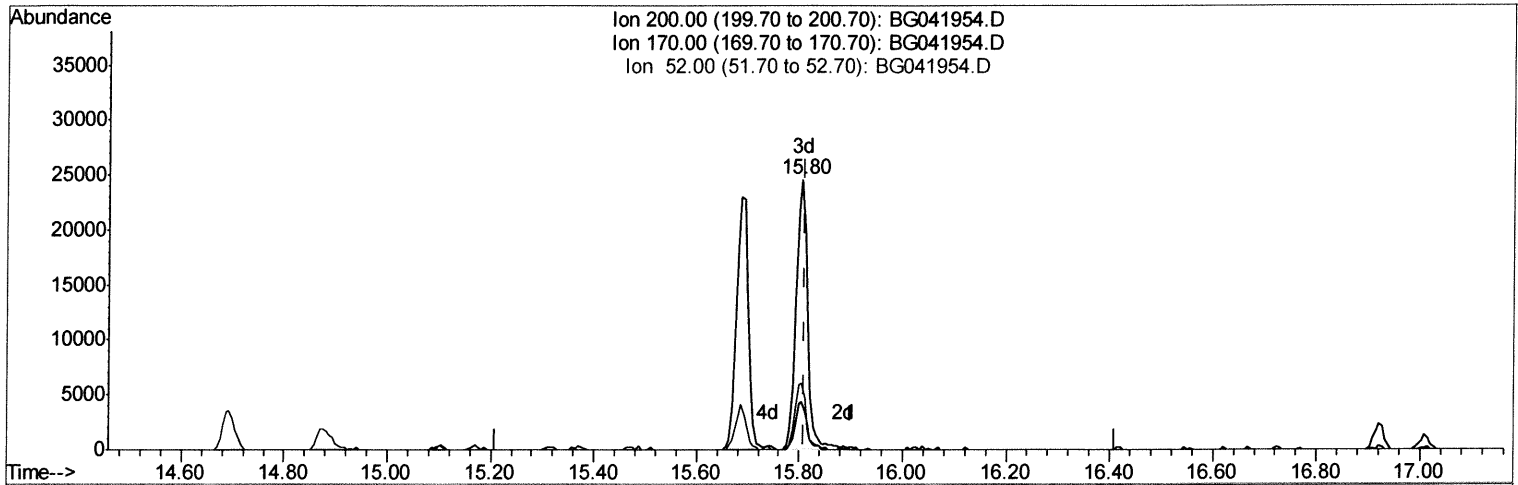
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
 Data File : BG041954.D
 Acq On : 4 Aug 2019 22:43
 Operator : HP/JU
 Sample : K3962-18
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BENZ4

Manual Integrations
 APPROVED

mohammad
 8/5/2019 3:04:08 PM

Quant Time: Aug 05 10:07:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 05 05:06:29 2019
 Response via : Initial Calibration



TIC: BG041954.D

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

15.804min (-0.006) 14.00ng/ui m *JU 08/05/19*

response 38391

Ion	Exp%	Act%
200.00	100	100
170.00	15.80	17.60
52.00	31.40	24.69#
0.00	0.00	0.00

Quantitation Report (Qedit)

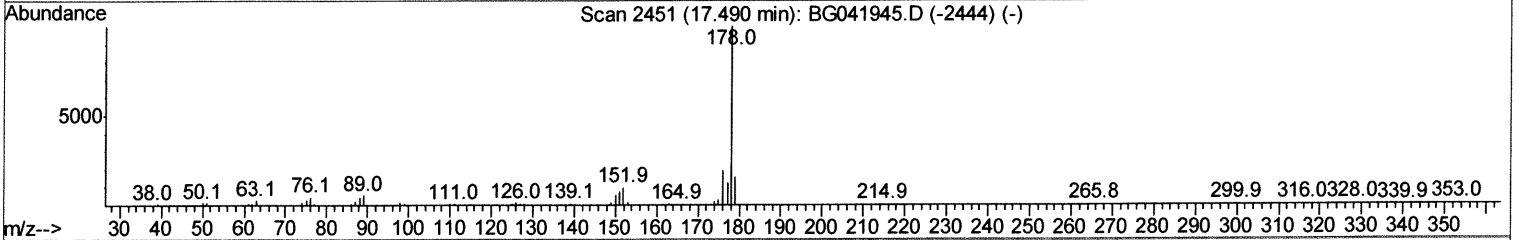
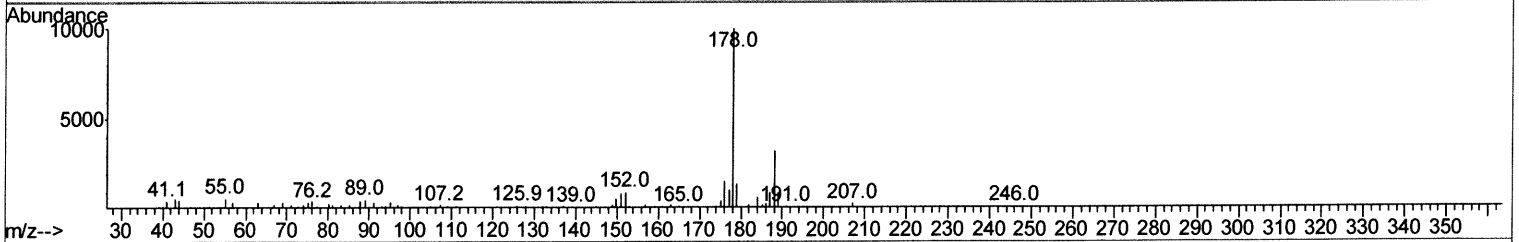
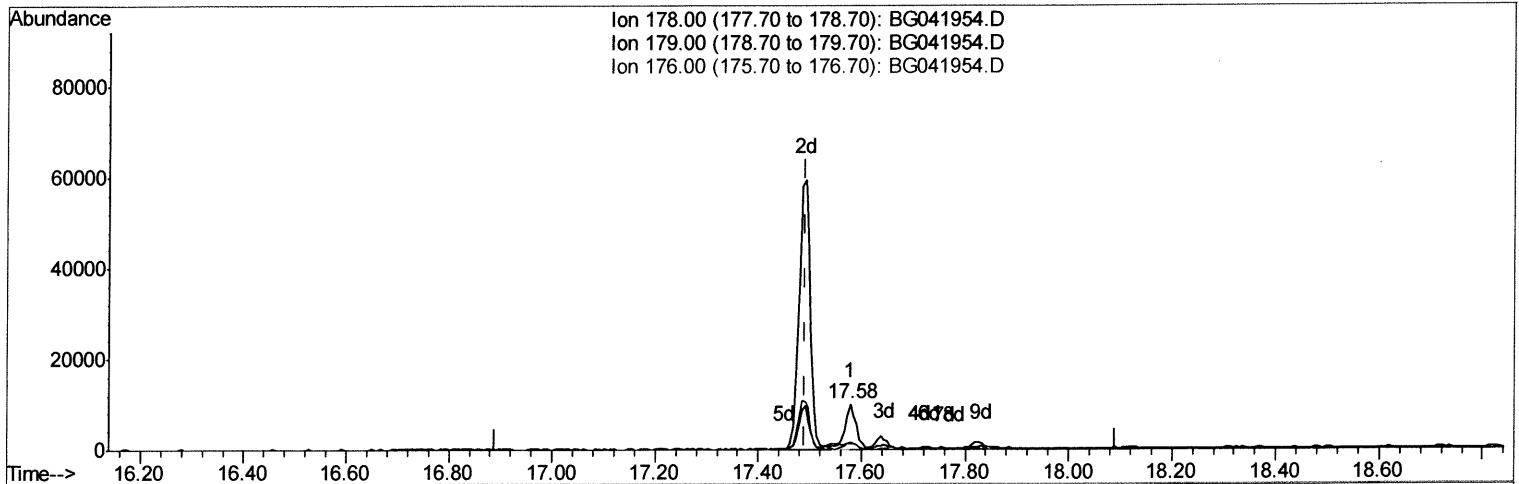
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
 Data File : BG041954.D
 Acq On : 4 Aug 2019 22:43
 Operator : HP/JU
 Sample : K3962-18
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BENZ4

Manual Integrations
 APPROVED

mohammad
 8/5/2019 3:04:08 PM

Quant Time: Aug 05 10:07:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 05 05:06:29 2019
 Response via : Initial Calibration



TIC: BG041954.D

(69) Phenanthrene

17.578min (+0.088) 0.62ng/ul

response 14418

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	14.38
176.00	19.30	15.55
0.00	0.00	0.00

Quantitation Report (Qedit)

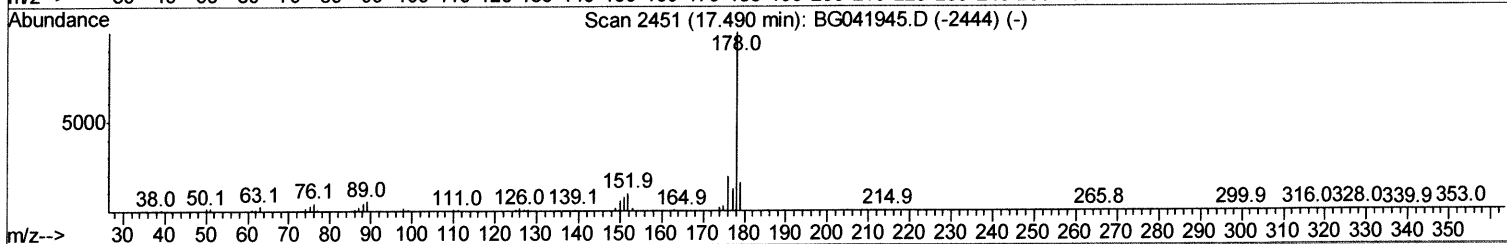
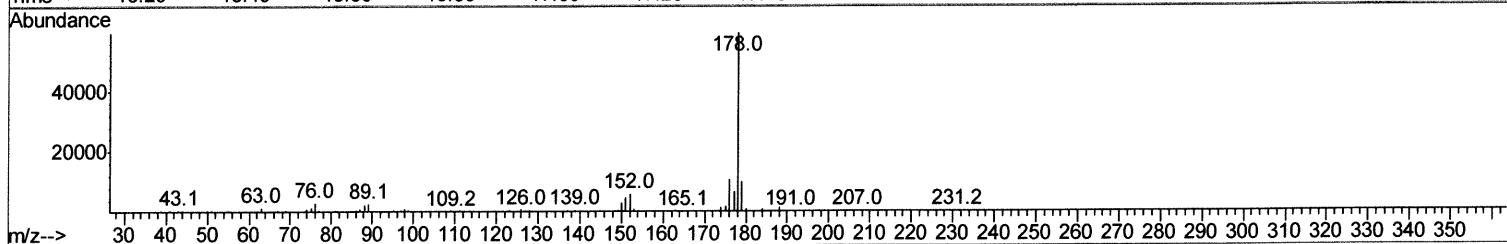
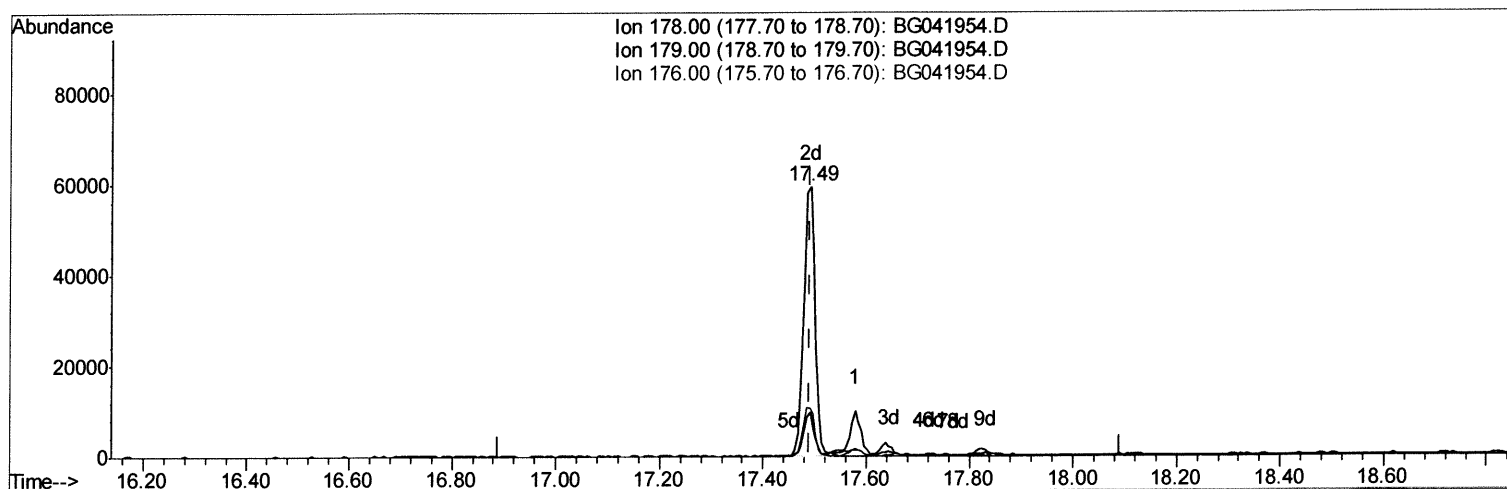
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041954.D
Acq On : 4 Aug 2019 22:43
Operator : HP/JU
Sample : K3962-18
Misc :
ALS Vial : 55 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENZ4

Manual Integrations
APPROVED

mohammad
8/5/2019 3:04:08 PM

Quant Time: Aug 05 10:07:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 05 05:06:29 2019
Response via : Initial Calibration



TIC: BG041954.D

(69) Phenanthrene

17.490min (-0.000) 3.98ng/ul m *JU* 08/05/19

response 93068

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	16.43
176.00	19.30	17.94
0.00	0.00	0.00

Quantitation Report (Qedit)

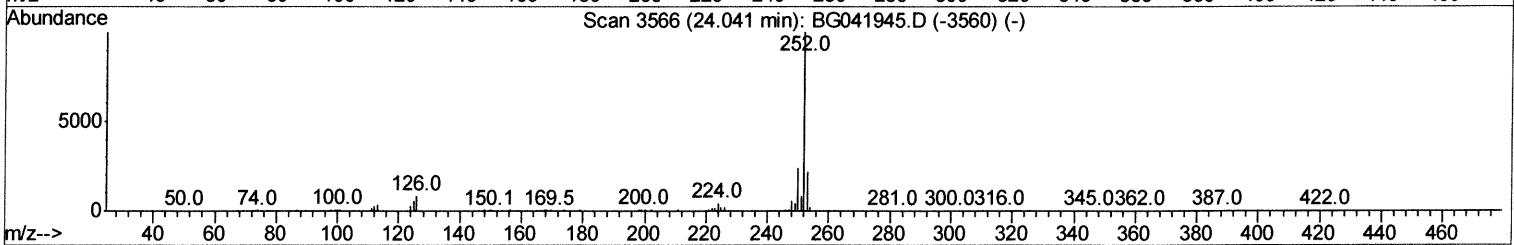
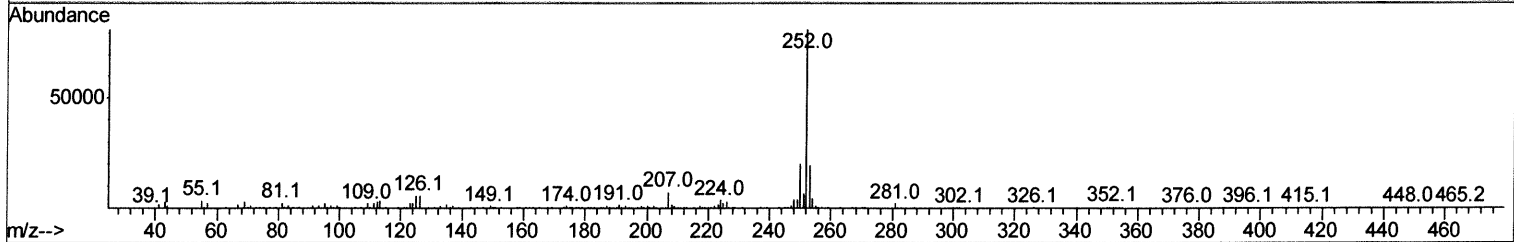
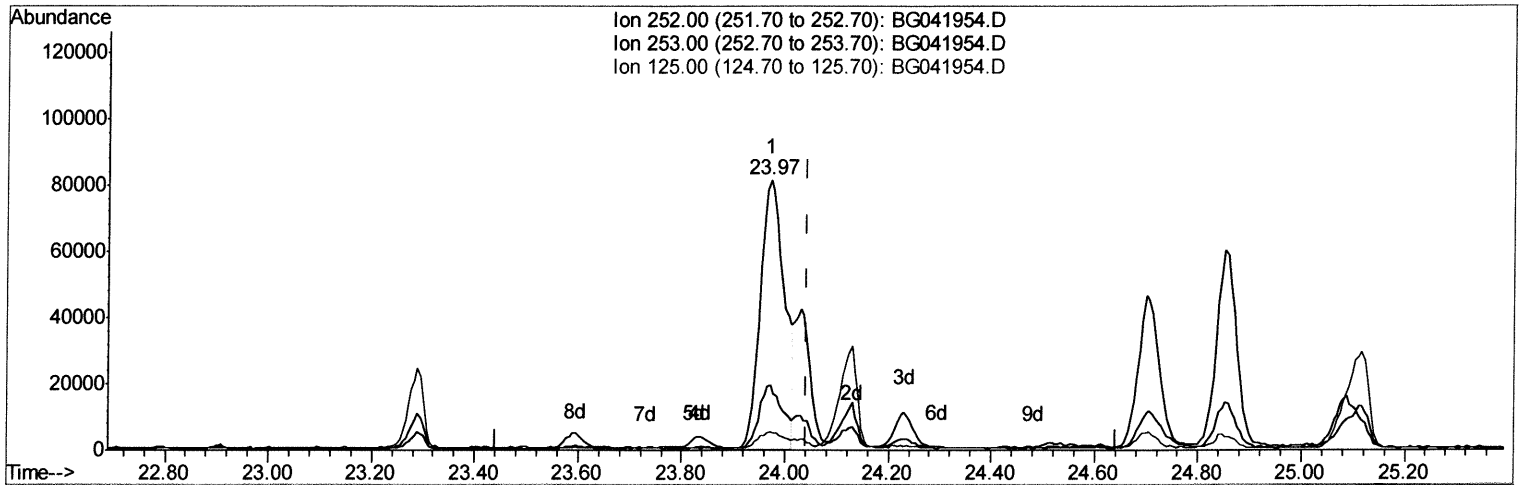
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
 Data File : BG041954.D
 Acq On : 4 Aug 2019 22:43
 Operator : HP/JU
 Sample : K3962-18
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_G
ClientSampled :
 BENZ4

Manual Integrations
APPROVED

mohammad
 8/5/2019 3:04:08 PM

Quant Time: Aug 05 10:07:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 05 05:06:29 2019
 Response via : Initial Calibration



(88) Benzo(k)fluoranthene

23.971min (-0.071) 9.16ng/ul

response 260467

Ion	Exp%	Act%
252.00	100	100
253.00	22.90	24.03
125.00	6.90	7.01
0.00	0.00	0.00

Quantitation Report (Qedit)

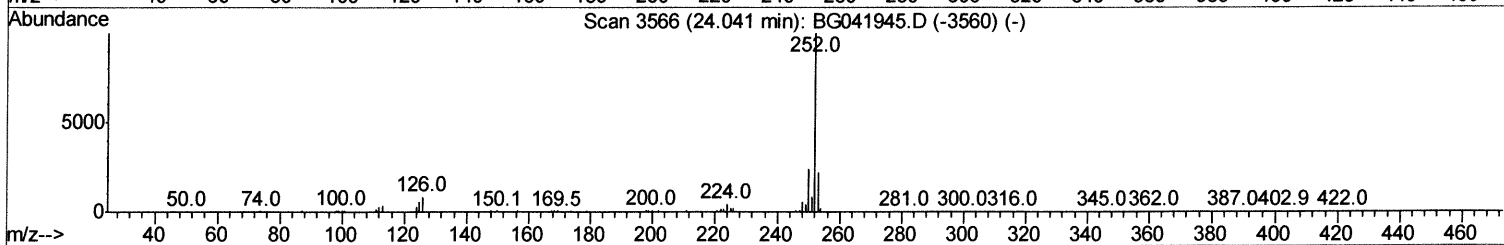
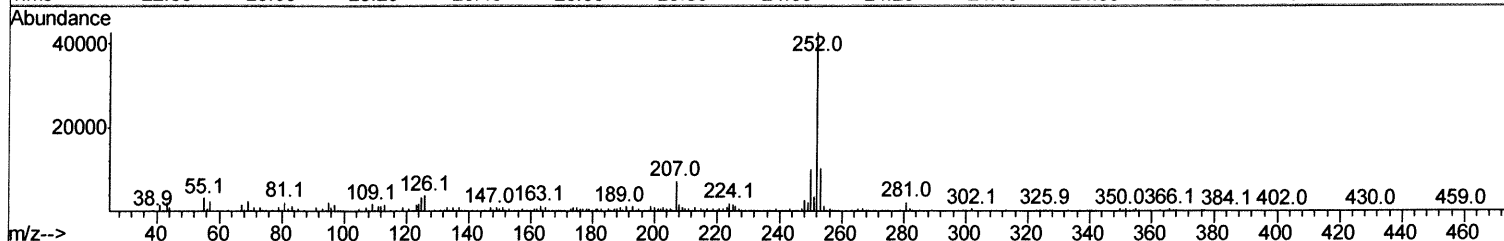
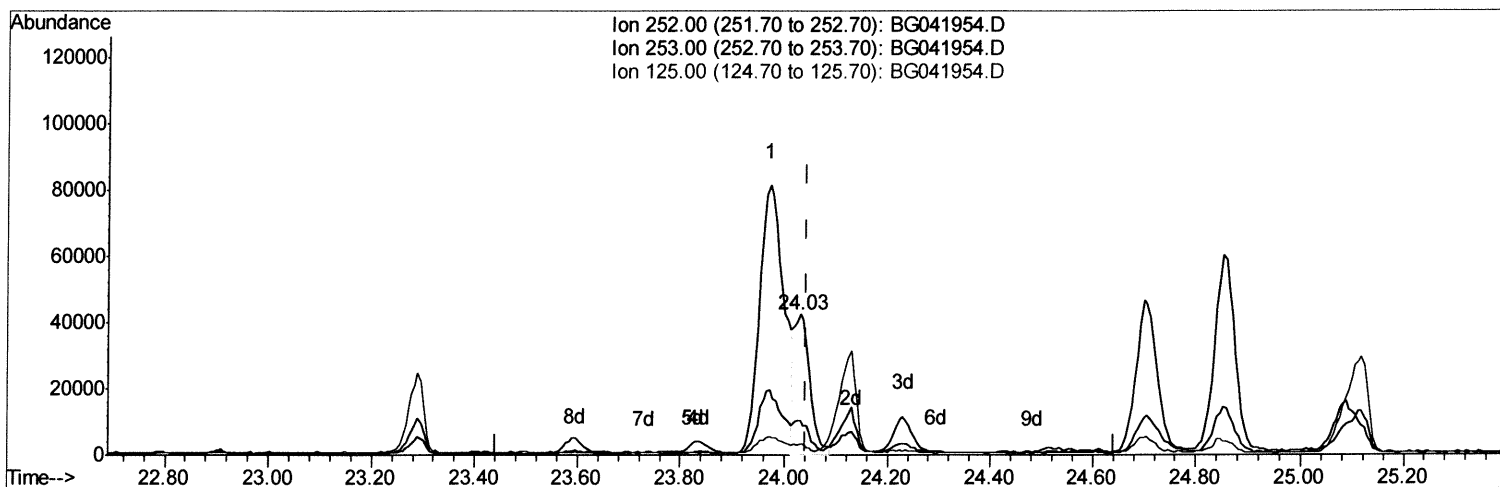
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041954.D
Acq On : 4 Aug 2019 22:43
Operator : HP/JU
Sample : K3962-18
Misc :
ALS Vial : 55 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENZ4

Manual Integrations
APPROVED

mohammad
8/5/2019 3:04:08 PM

Quant Time: Aug 05 10:07:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 05 05:06:29 2019
Response via : Initial Calibration



TIC: BG041954.D

(88) Benzo(k)fluoranthene

24.030min (-0.012) 3.26ng/ul m *JU 08/05/19*

response 92609

Ion	Exp%	Act%
252.00	100	100
253.00	22.90	24.53
125.00	6.90	7.74
0.00	0.00	0.00

Quantitation Report (Qedit)

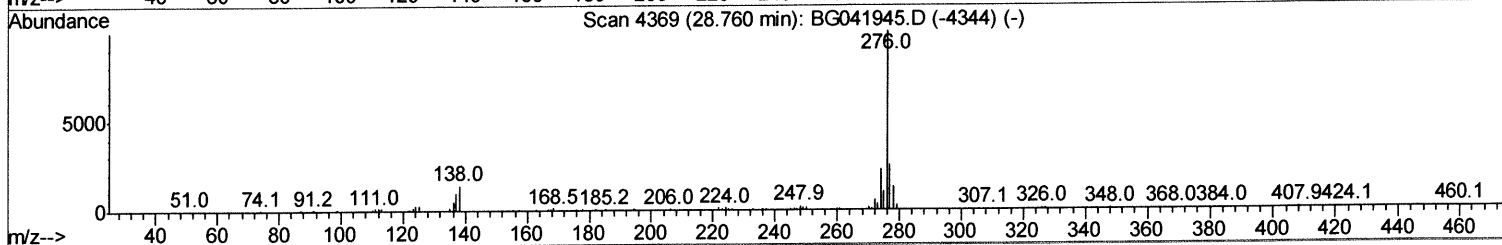
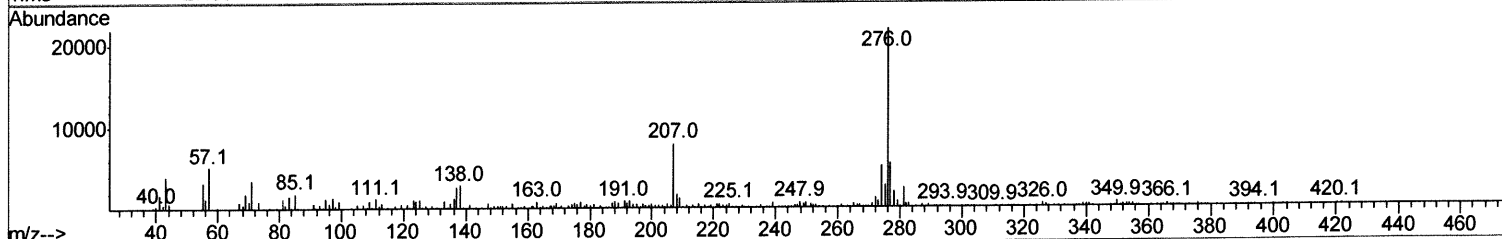
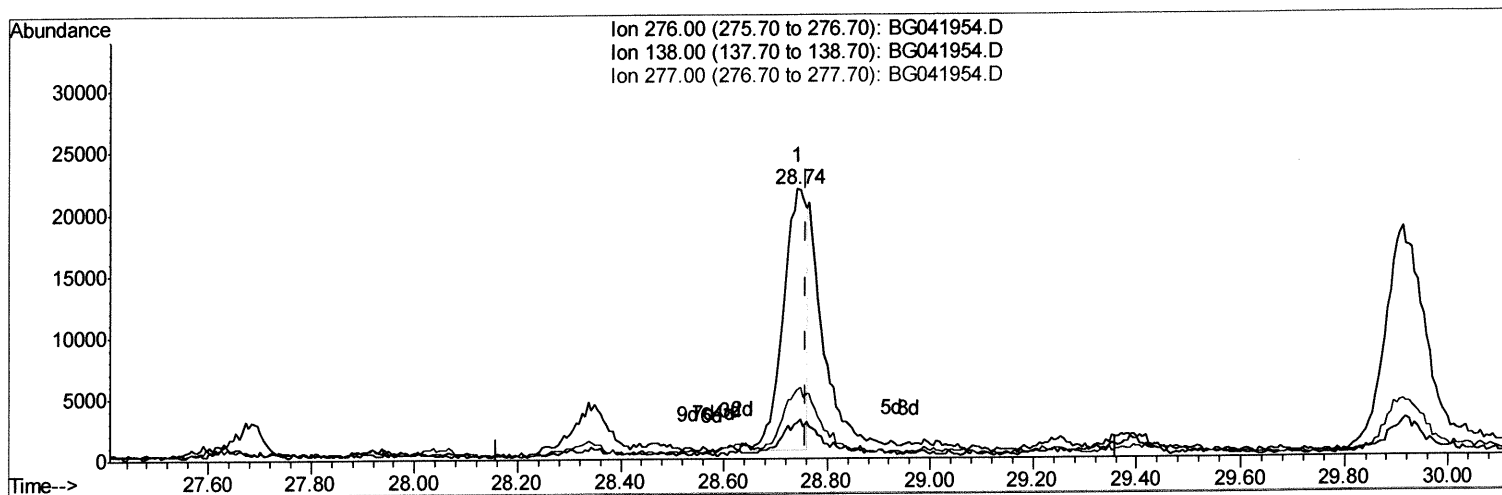
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041954.D
Acq On : 4 Aug 2019 22:43
Operator : HP/JU
Sample : K3962-18
Misc :
ALS Vial : 55 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENZ4

Manual Integrations
APPROVED

mohammad
8/5/2019 3:04:08 PM

Quant Time: Aug 05 10:07:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 05 05:06:29 2019
Response via : Initial Calibration



TIC: BG041954.D

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

28.742min (-0.018) 1.97ng/ul

response 64818

Ion	Exp%	Act%
276.00	100	100
138.00	15.00	13.29
277.00	24.00	25.38
0.00	0.00	0.00

Quantitation Report (Qedit)

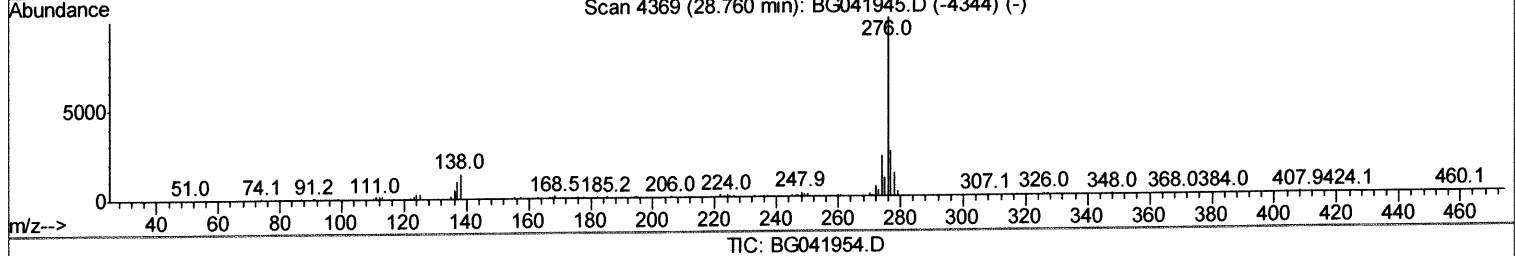
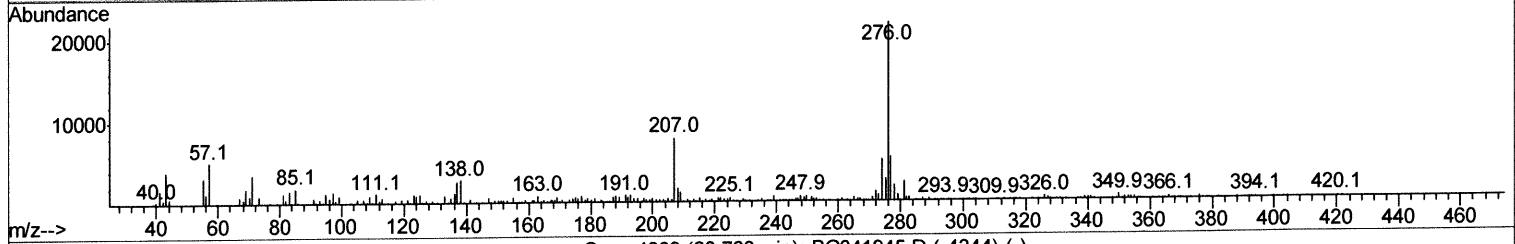
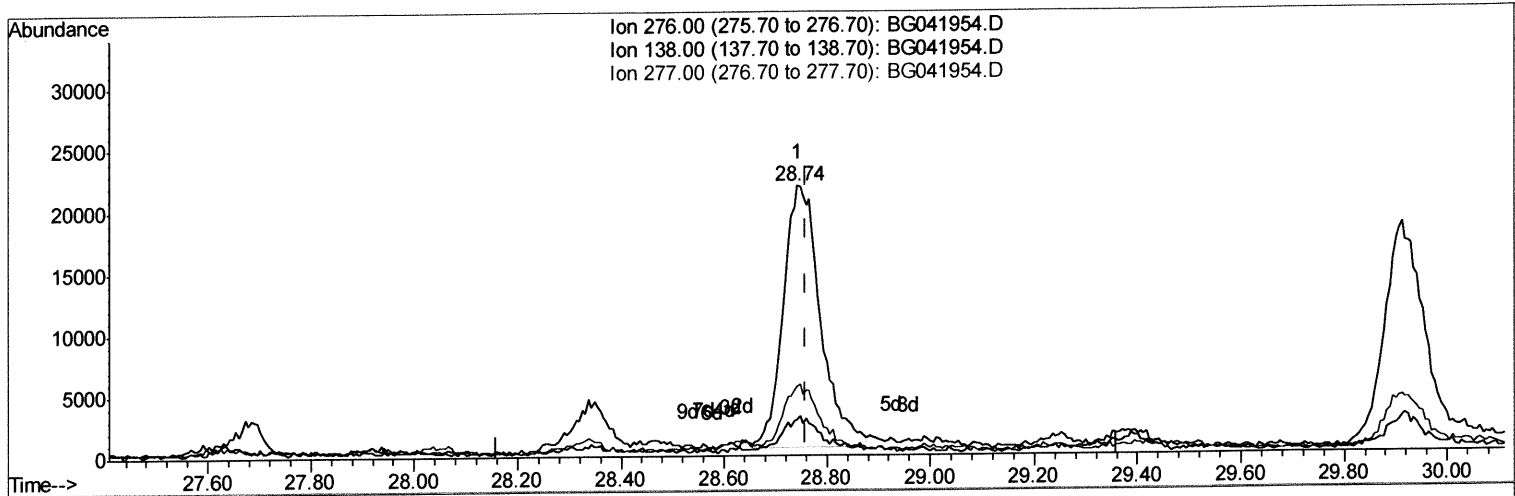
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
 Data File : BG041954.D
 Acq On : 4 Aug 2019 22:43
 Operator : HP/JU
 Sample : K3962-18
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 BENZ4

Manual Integrations
 APPROVED

mohammad
 8/5/2019 3:04:08 PM

Quant Time: Aug 05 10:07:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 05 05:06:29 2019
 Response via : Initial Calibration



TIC: BG041954.D

(91) Indeno(1,2,3-cd)pyrene
 28.742min (-0.018) 3.29ng/ul m *JU 08/05/19*

response 108041

Ion	Exp%	Act%
276.00	100	100
138.00	15.00	13.29
277.00	24.00	25.38
0.00	0.00	0.00

Quantitation Report (Qedit)

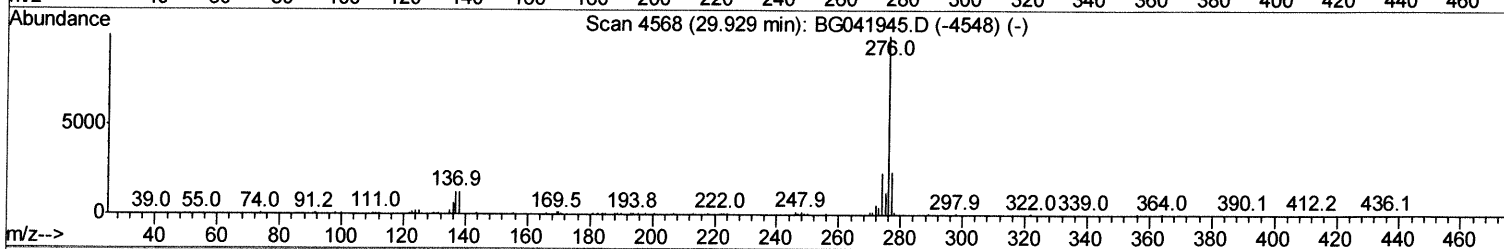
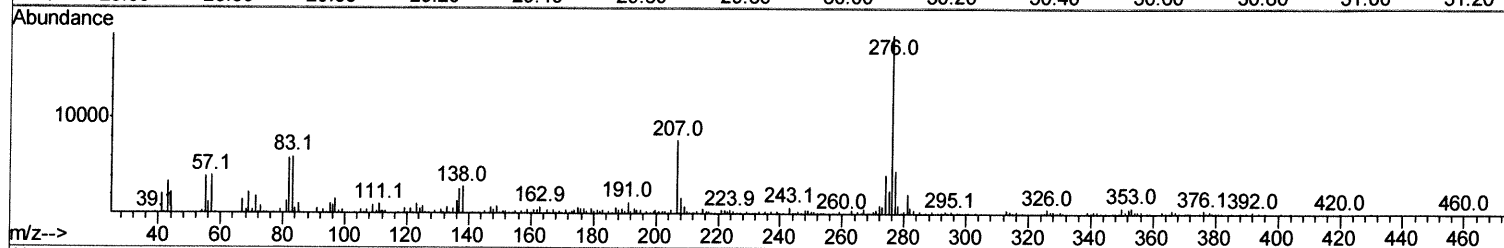
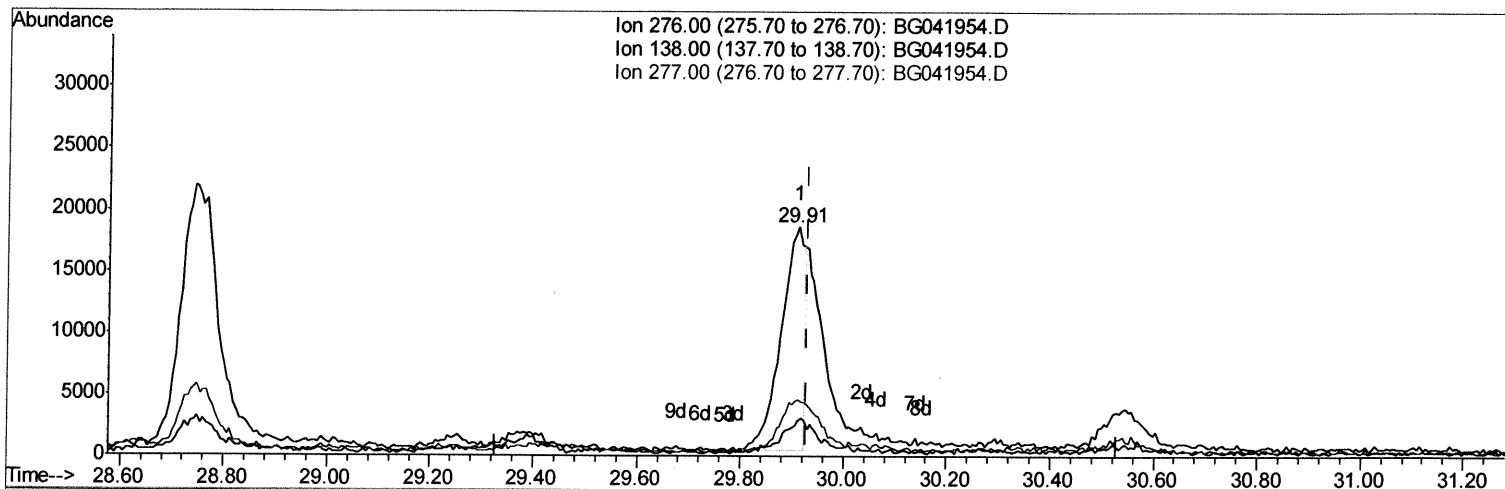
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
 Data File : BG041954.D
 Acq On : 4 Aug 2019 22:43
 Operator : HP/JU
 Sample : K3962-18
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 BENZ4

Manual Integrations
 APPROVED

mohammad
 8/5/2019 3:04:08 PM

Quant Time: Aug 05 10:07:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 05 05:06:29 2019
 Response via : Initial Calibration



TIC: BG041954.D

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

29.911min (-0.018) 2.08ng/ul

response 57202

Ion	Exp%	Act%
276.00	100	100
138.00	15.70	15.59
277.00	24.00	24.84
0.00	0.00	0.00

Quantitation Report (Qedit)

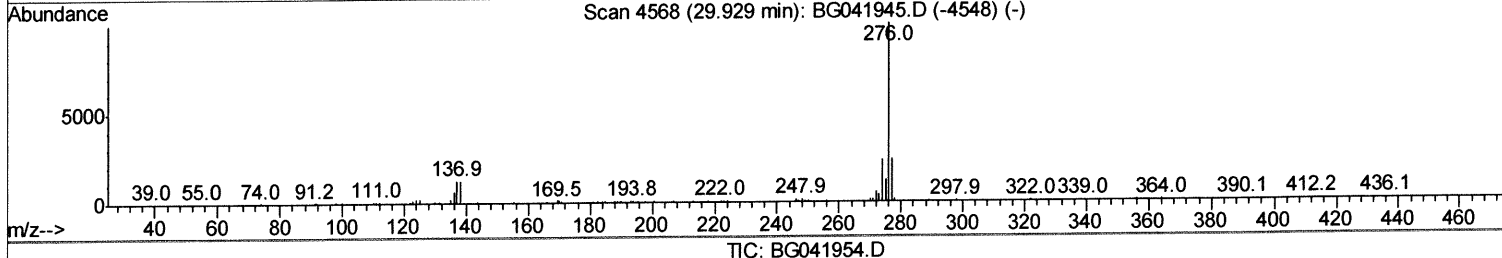
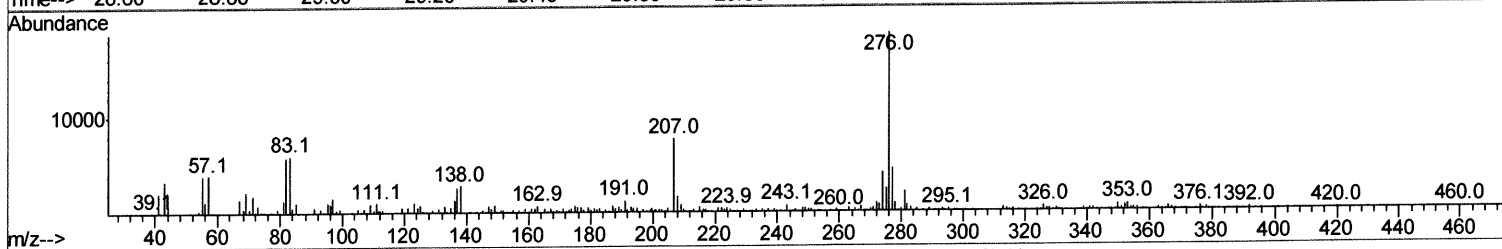
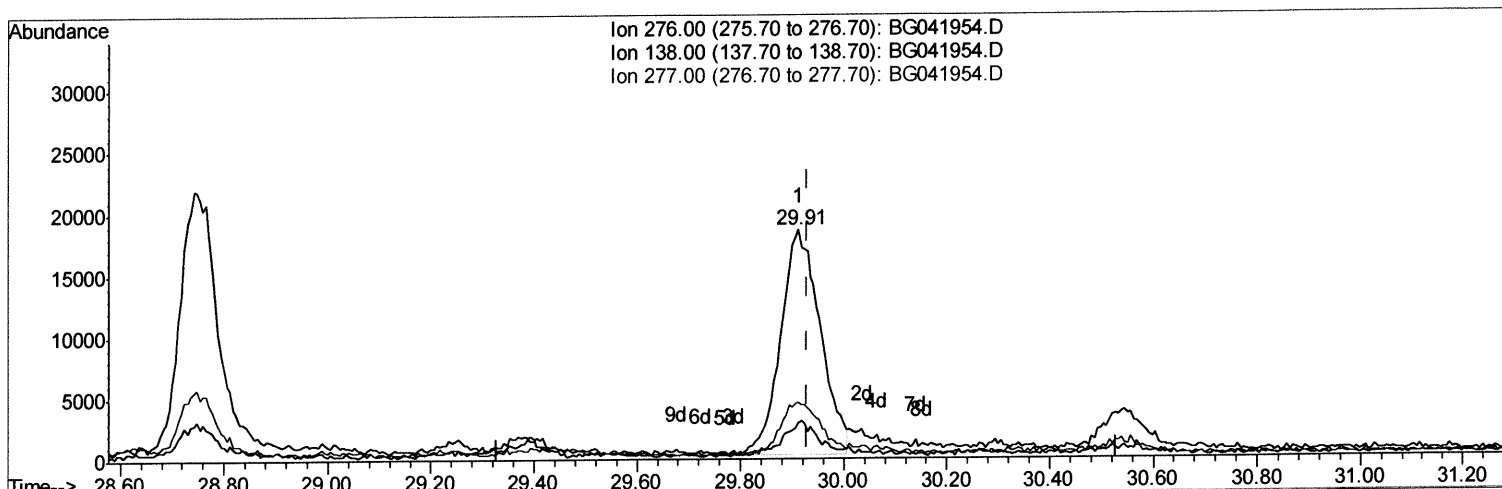
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
 Data File : BG041954.D
 Acq On : 4 Aug 2019 22:43
 Operator : HP/JU
 Sample : K3962-18
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BENZ4

Manual Integrations
 APPROVED

mohammad
 8/5/2019 3:04:08 PM

Quant Time: Aug 05 10:07:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 05 05:06:29 2019
 Response via : Initial Calibration



TIC: BG041954.D

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

29.911min (-0.018) 3.55ng/ul m

JU
 08/05/19

response 97483

Ion	Exp%	Act%
276.00	100	100
138.00	15.70	15.59
277.00	24.00	24.84
0.00	0.00	0.00

Quantitation Report (Qedit)

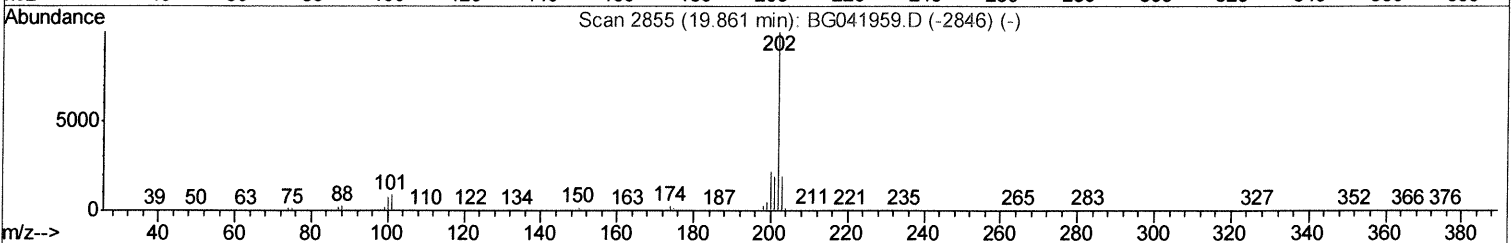
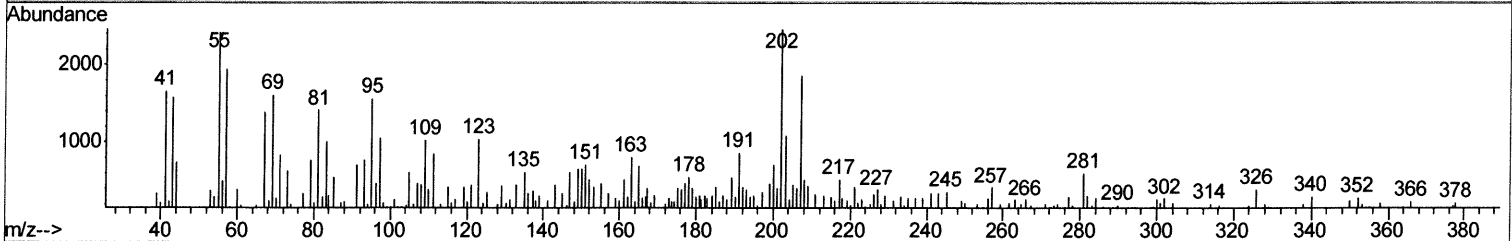
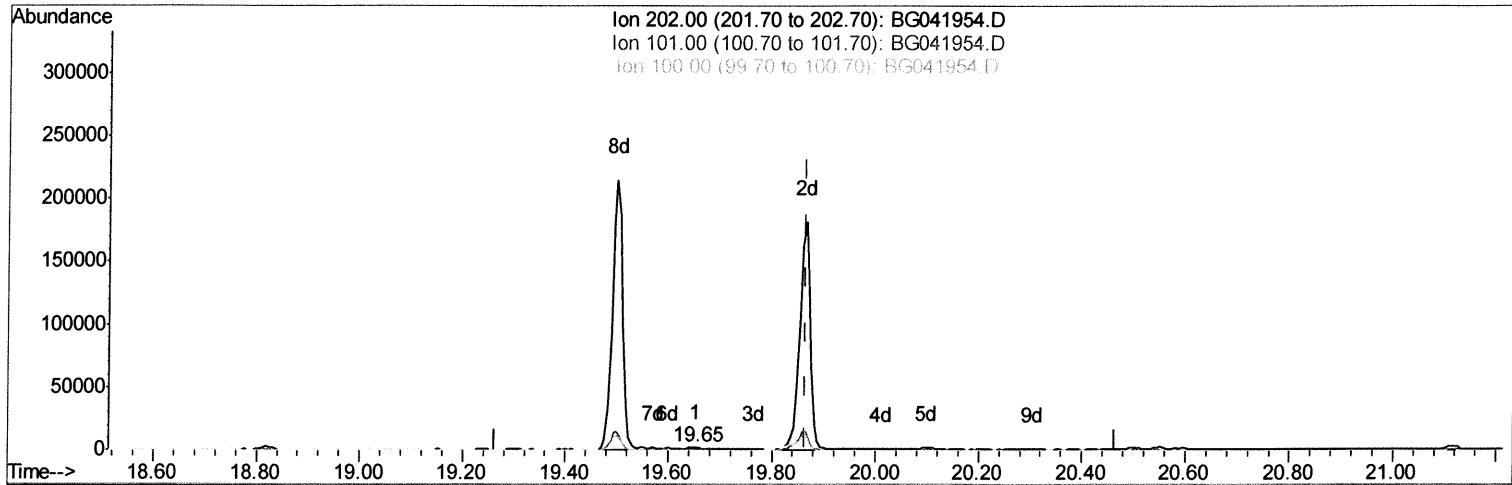
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080319\
 Data File : BG041954.D
 Acq On : 4 Aug 2019 22:43
 Operator : HP/JU
 Sample : K3962-18
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BENZ4

Manual Integrations
 APPROVED

mohammad
 8/5/2019 3:04:08 PM

Quant Time: Aug 05 10:09:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 05 05:06:29 2019
 Response via : Initial Calibration



TIC: BG041954.D

(79) Pyrene

19.652min (-0.212) 0.10ng/ul

response 2879

Ion	Exp%	Act%
202.00	100	100
101.00	9.50	10.79
100.00	8.10	7.06
0.00	0.00	0.00

Quantitation Report (Qedit)

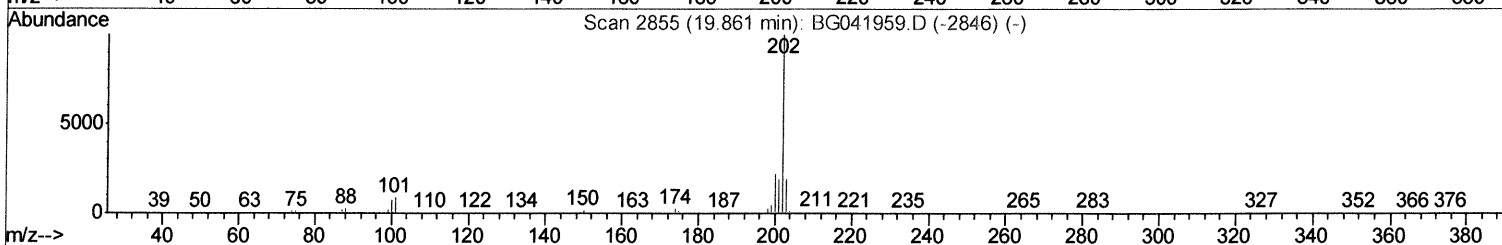
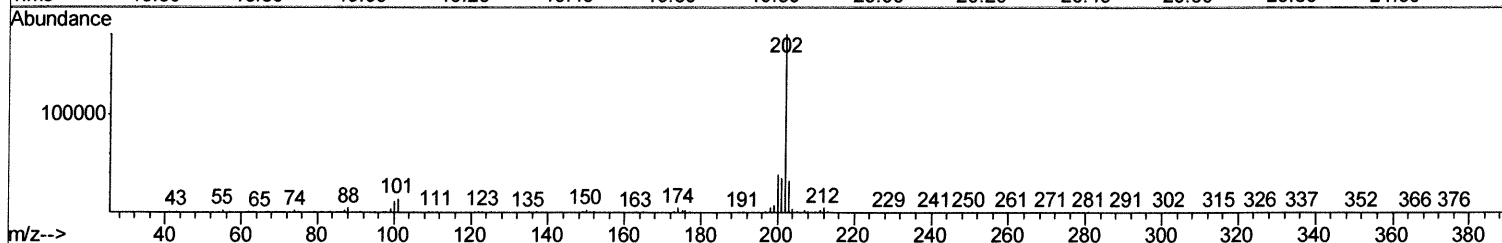
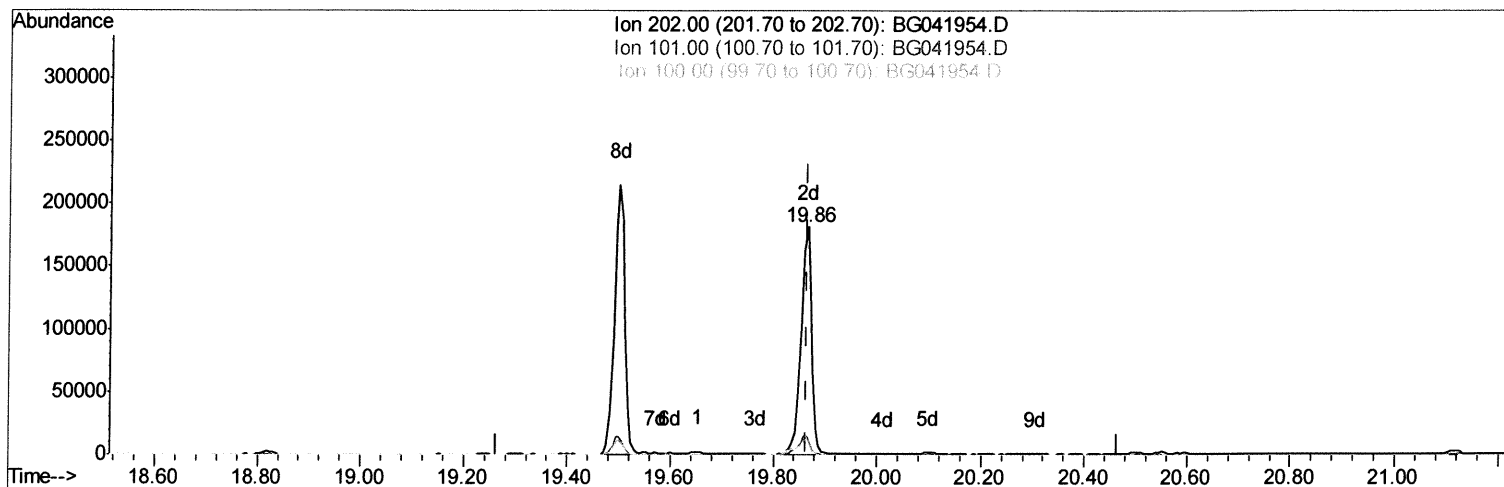
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080319\
Data File : BG041954.D
Acq On : 4 Aug 2019 22:43
Operator : HP/JU
Sample : K3962-18
Misc :
ALS Vial : 55 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENZ4

Manual Integrations
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mohammad
8/5/2019 3:04:08 PM

Quant Time: Aug 05 10:09:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 05 05:06:29 2019
Response via : Initial Calibration



TIC: BG041954.D

(79) Pyrene

19.864min (-0.000) 9.34ng/ul m 08/05/19

response 267117

Ion	Exp%	Act%
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202.00	100	100
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101.00	9.50	7.91
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100.00	8.10	6.45#
--------	------	-------

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080319\
 Data File : BG041954.D
 Acq On : 4 Aug 2019 22:43
 Operator : HP/JU
 Sample : K3962-18
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_G
 Client Sample ID :
 BENZ4

Quant Time: Aug 05 12:27:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 05 05:06:29 2019
 Response via : Initial Calibration

Manual Integrations
 APPROVED

mohammad
 8/5/2019 3:04:08 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	69970	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	287314	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	202355	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.45	188	427455m)	20.00	ng/ul	0.00
77) Chrysene-d12	21.73	240	425288	20.00	ng/ul	0.00
85) Perylene-d12	25.01	264	471266	20.00	ng/ul	0.00

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System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	4067	2.54	ng/uL	0.00
5) Phenol-d5	7.18	99	97588	17.77	ng/ul	0.00
7) Bis-(2-Chloroethyl) ether-d	7.36	67	59839	19.48	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	91562	19.50	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	63378	13.75	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	49521	22.90	ng/ul	0.00
22) 2-Nitrophenol-d4	9.93	143	60312	24.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	105050	20.72	ng/ul	0.00
29) 4-Chloroaniline-d4	10.99	131	92527	16.45	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	354043	22.56	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	411732	22.97	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	38118	14.46	ng/ul	0.00
57) Fluorene-d10	15.69	176	319312	22.87	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	38391m)	14.00	ng/ul	0.00
70) Anthracene-d10	17.54	188	483547	23.58	ng/ul	0.00
78) Pyrene-d10	19.83	212	543593	22.90	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.79	264	591039	24.01	ng/ul	0.00

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Target Compounds

					Qvalue	
6) Phenol	7.21	94	5676	1.001	ng/ul#	91
44) Dimethylphthalate	14.14	163	154535	9.917	ng/ul	99
69) Phenanthrene	17.49	178	93068m)	3.977	ng/ul	
76) Fluoranthene	19.50	202	303428	11.222	ng/ul	96
79) Pyrene	19.86	202	267117m)	9.337	ng/ul	
82) Benzo(a)anthracene	21.71	228	143174	4.855	ng/ul	98
84) Chrysene	21.78	228	168471	6.121	ng/ul	97
87) Benzo(b)fluoranthene	23.97	252	260467	8.807	ng/ul	98
88) Benzo(k)fluoranthene	24.03	252	92609m)	3.257	ng/ul	
90) Benzo(a)pyrene	24.85	252	160693	5.702	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	28.74	276	108041m)	3.287	ng/ul	
93) Benzo(g,h,i)perylene	29.91	276	97483m)	3.552	ng/ul	

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