

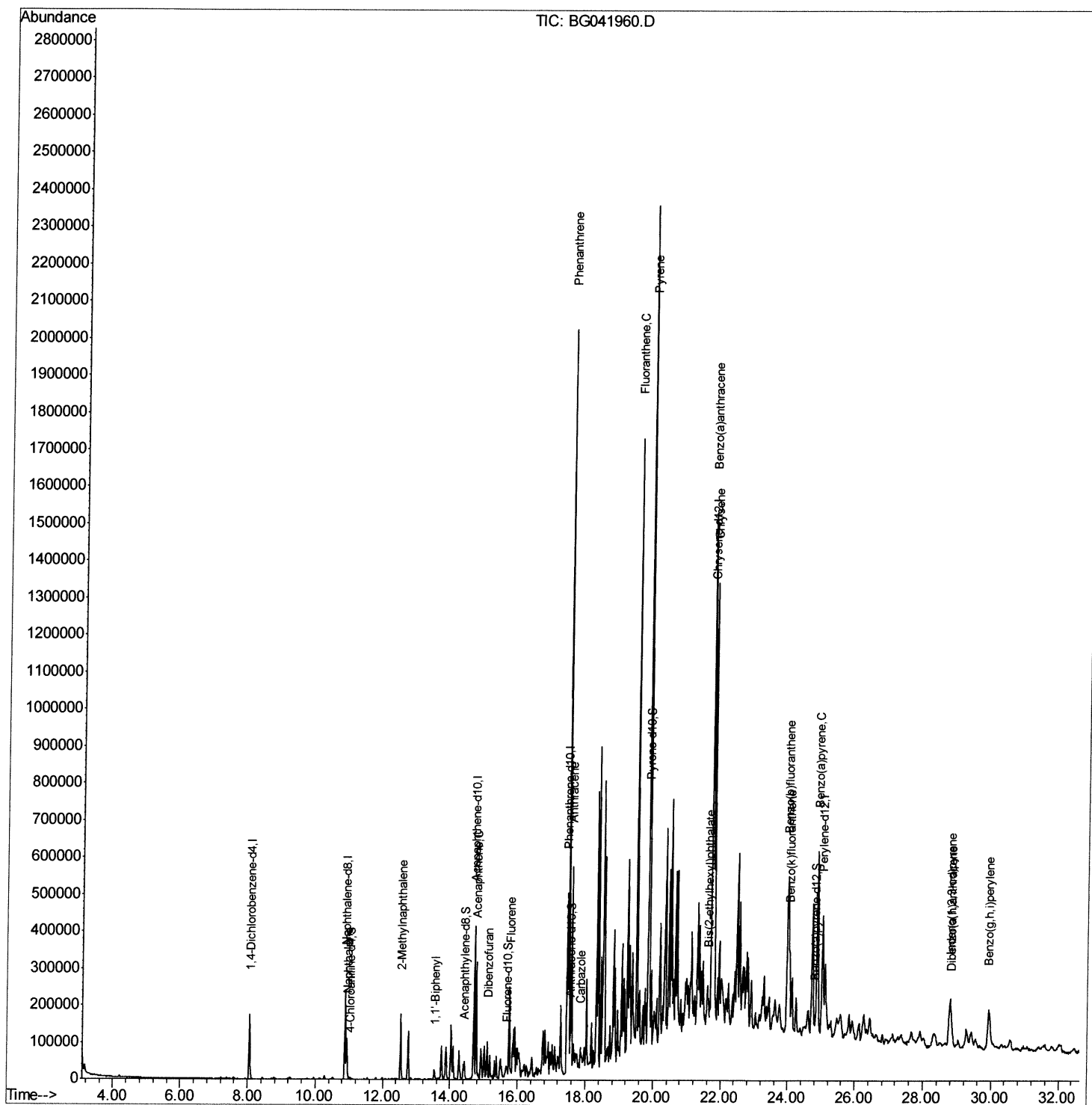
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041960.D
Acq On : 5 Aug 2019 9:37
Operator : HP/JU
Sample : K3850-02DL2 30X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENP1DL2

Manual Integrations
APPROVED

mohammad
8/6/2019 12:18:50 PM

Quant Time: Aug 05 12:01:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 05 11:40:45 2019
Response via : Initial Calibration



Quantitation Report (Qedit)

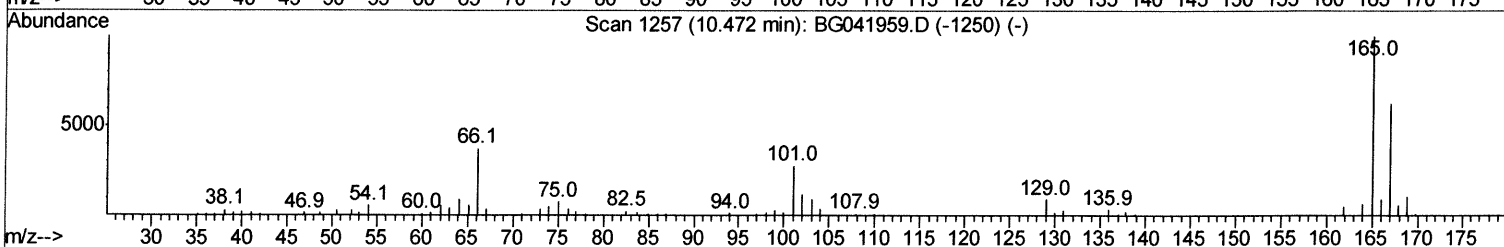
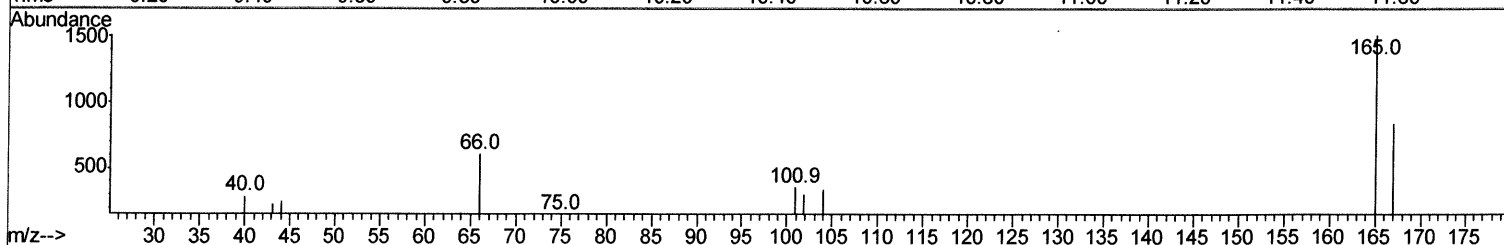
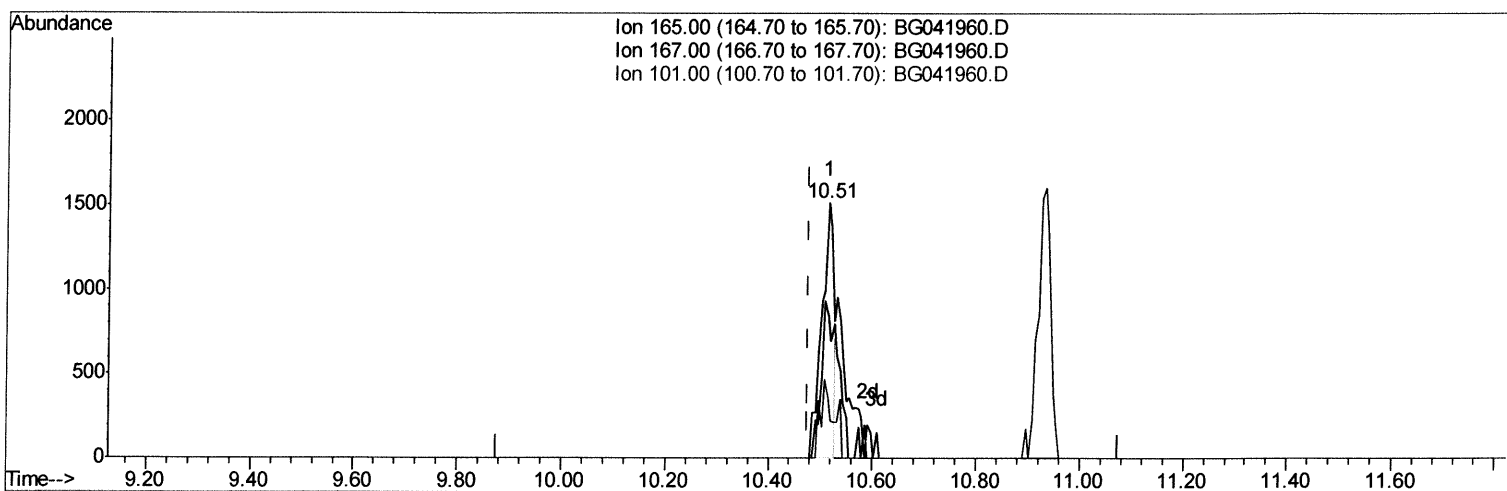
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041960.D
Acq On : 5 Aug 2019 9:37
Operator : HP/JU
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ClientSampleId :
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Manual Integrations
APPROVED

mohammad
8/6/2019 12:18:50 PM

Quant Time: Aug 05 11:43:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 05 11:40:45 2019
Response via : Initial Calibration



TIC: BG041960.D

(26) 2,4-Dichlorophenol-d3 (S)

10.514min (+0.039) 0.56ng/ul

response 2383

Ion	Exp%	Act%
165.00	100	100
167.00	63.00	55.69
101.00	29.90	23.41#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\

Data File : BG041960.D

Acq On : 5 Aug 2019 9:37

Operator : HP/JU

Sample : K3850-02DL2 30X

Misc :

ALS Vial : 61 Sample Multiplier: 1

Quant Time: Aug 05 12:01:37 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Aug 05 11:40:45 2019

Response via : Initial Calibration

Instrument :

BNA_G

Client Sampled :

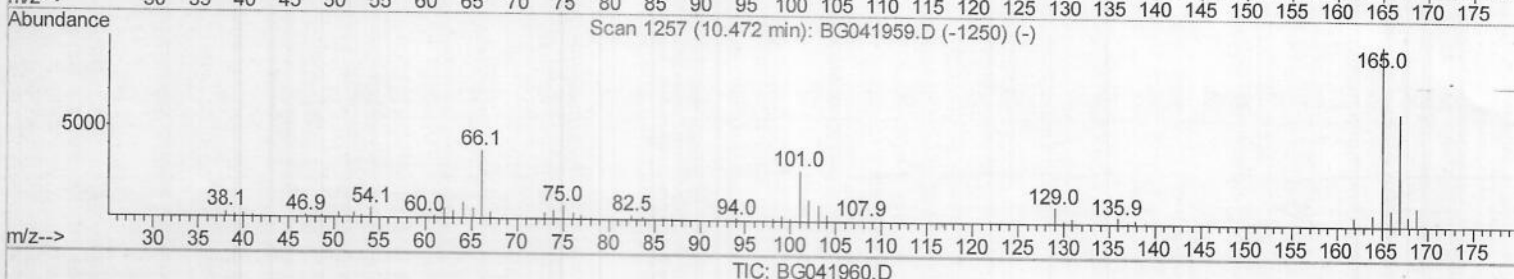
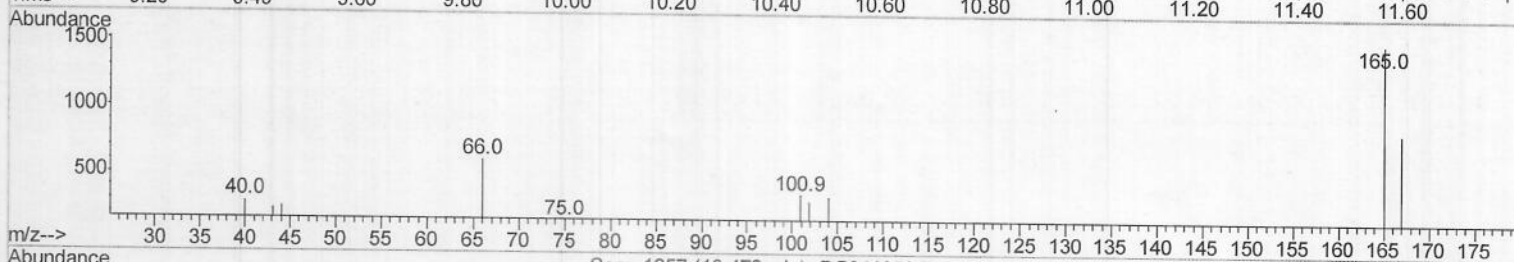
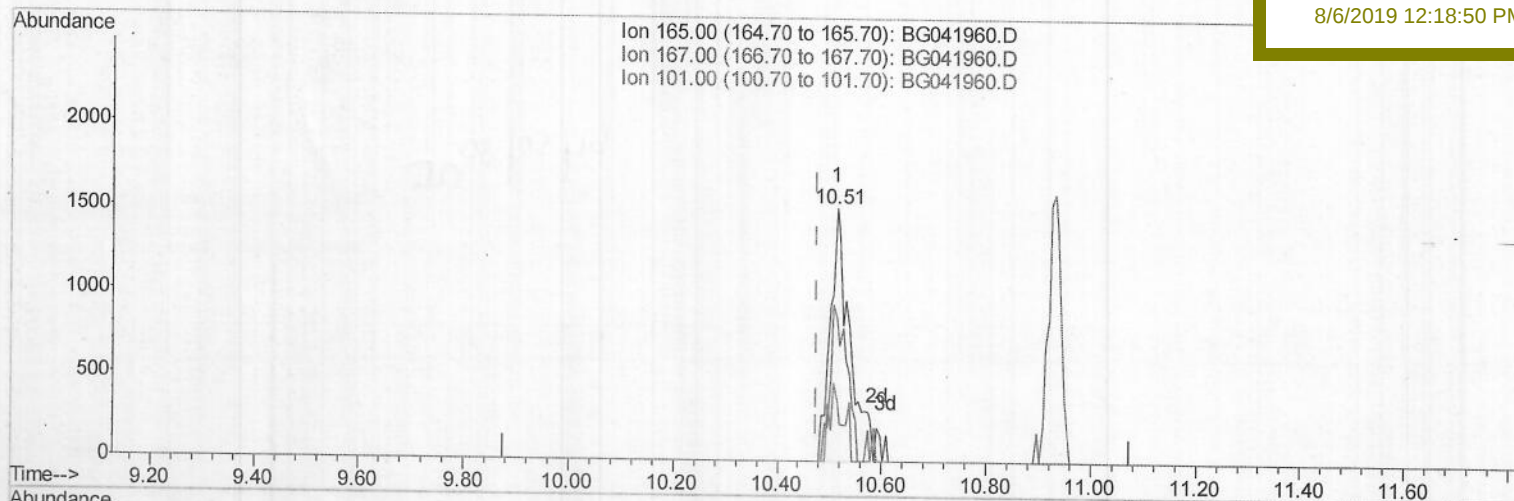
BENP1DL2

Manual Integrations

APPROVED

mohammad

8/6/2019 12:18:50 PM



(26) 2,4-Dichlorophenol-d3 (S)

10.514min (+0.039) 0.91ng/ul m

response 3853

Ion Exp% Act%

165.00 100 100

167.00 63.00 55.69

101.00 29.90 23.41#

0.00 0.00 0.00

Handwritten: JU 08/05/19

Quantitation Report (Qedit)

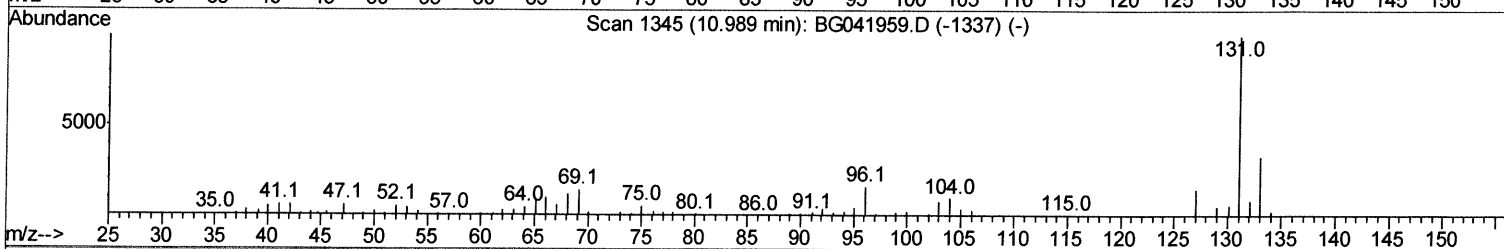
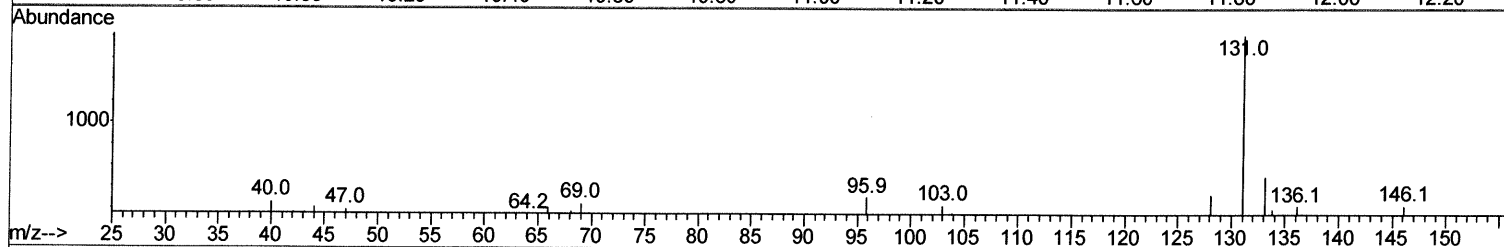
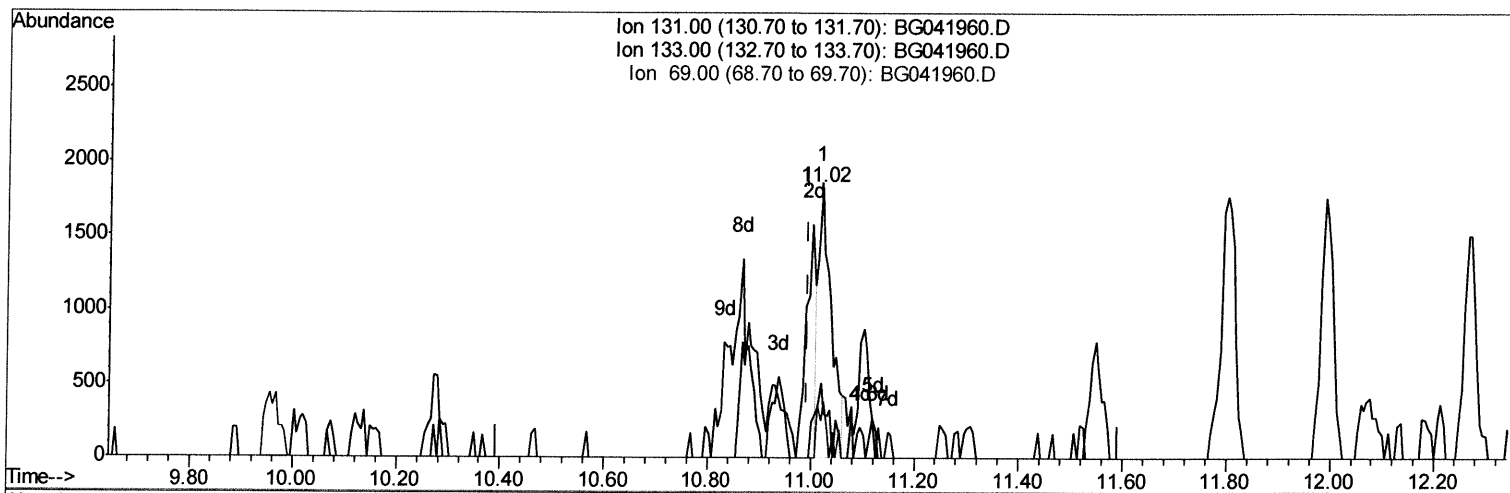
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041960.D
Acq On : 5 Aug 2019 9:37
Operator : HP/JU
Sample : K3850-02DL2 30X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENP1DL2

Manual Integrations
APPROVED

mohammad
8/6/2019 12:18:50 PM

Quant Time: Aug 05 11:43:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration



TIC: BG041960.D

(29) 4-Chloroaniline-d4 (S)

11.019min (+0.027) 0.68ng/ul

response 3193

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	27.74
69.00	14.40	13.62
0.00	0.00	0.00

Quantitation Report (Qedit)

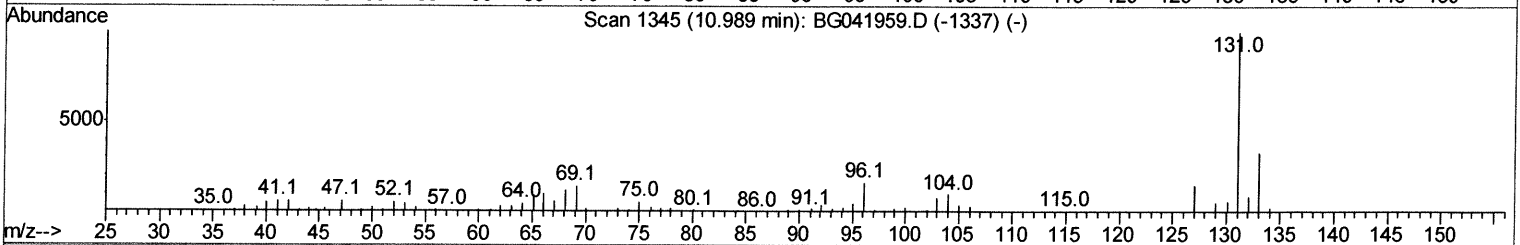
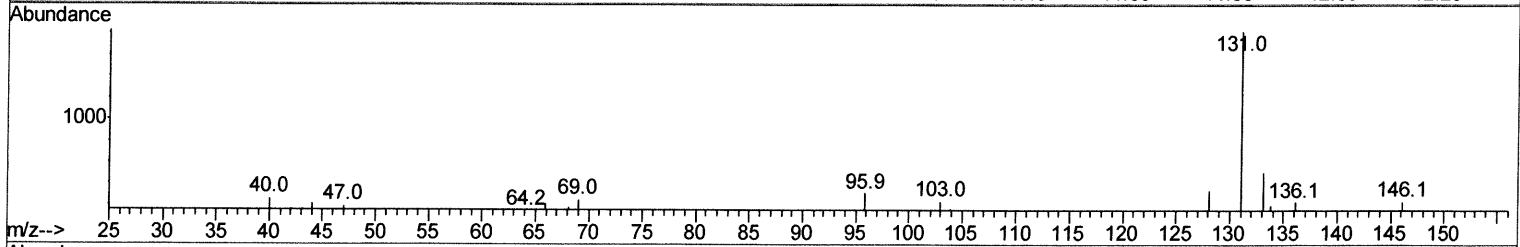
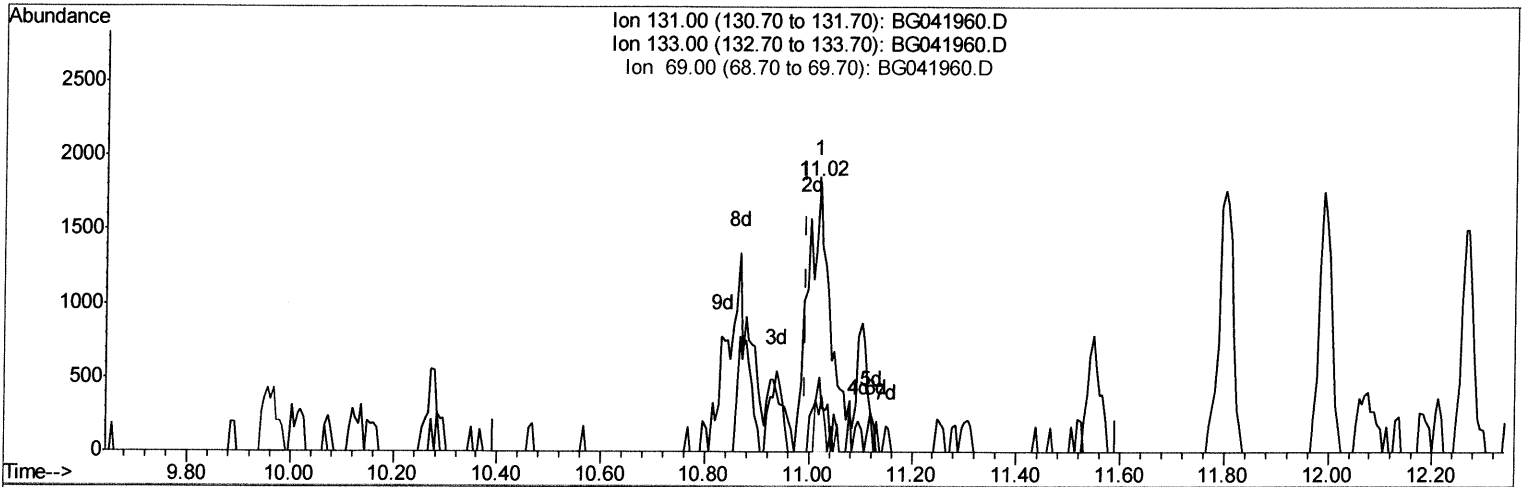
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
 Data File : BG041960.D
 Acq On : 5 Aug 2019 9:37
 Operator : HP/JU
 Sample : K3850-02DL2 30X
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_G
ClientSampleId :
 BENP1DL2

Manual Integrations
APPROVED

mohammad
 8/6/2019 12:18:50 PM

Quant Time: Aug 05 11:43:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 05 11:40:45 2019
 Response via : Initial Calibration



TIC: BG041960.D

(29) 4-Chloroaniline-d4 (S)

11.019min (+0.027) 1.17ng/ul m *JU 08/05/19*

response 5490

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	27.74
69.00	14.40	13.62
0.00	0.00	0.00

Quantitation Report (Qedit)

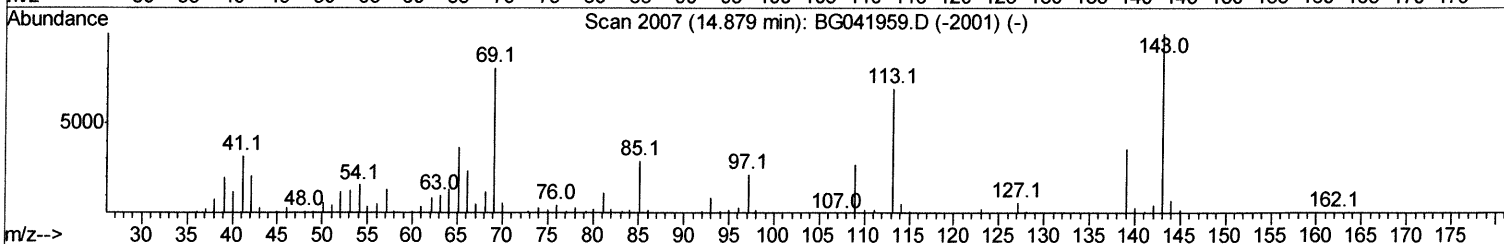
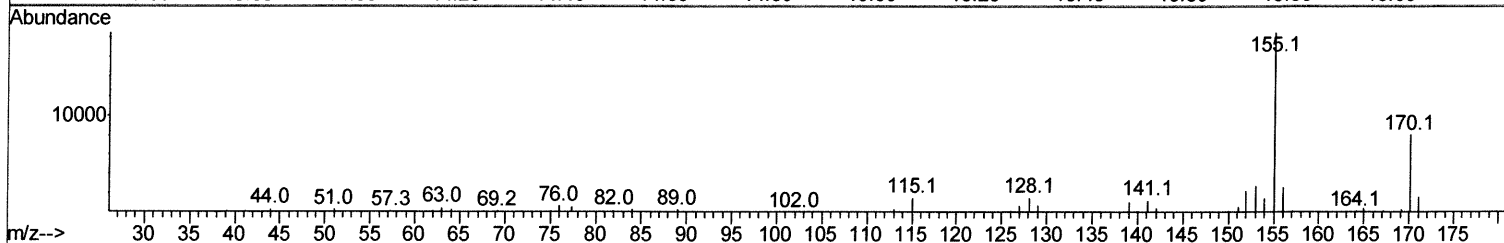
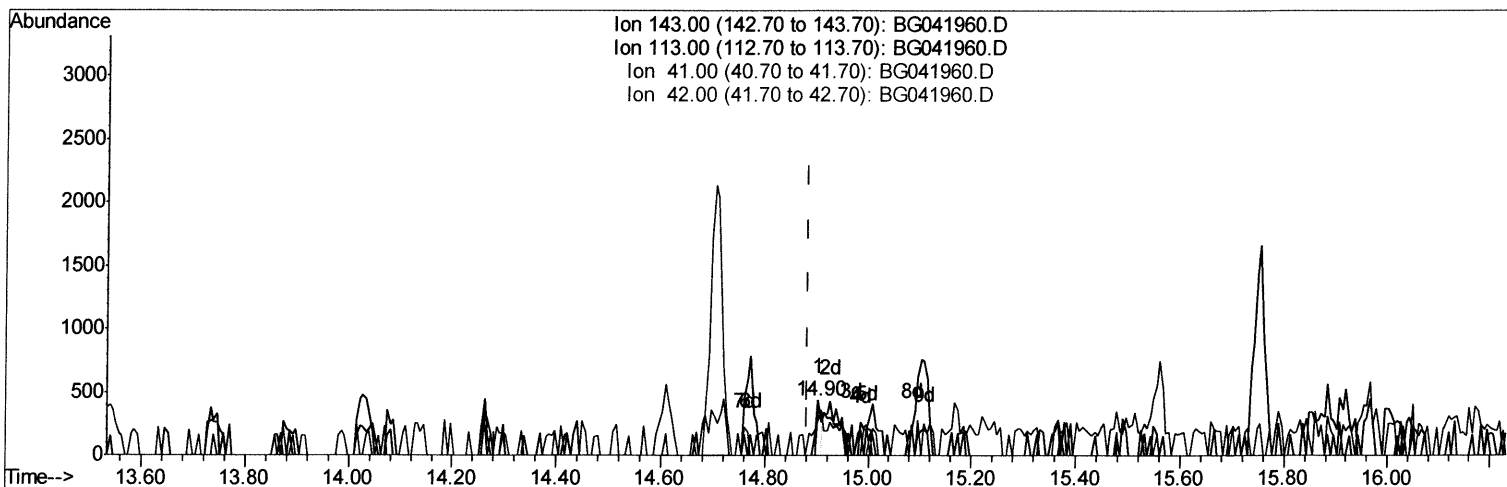
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041960.D
Acq On : 5 Aug 2019 9:37
Operator : HP/JU
Sample : K3850-02DL2 30X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENP1DL2

Manual Integrations
APPROVED

mohammad
8/6/2019 12:18:50 PM

Quant Time: Aug 05 11:43:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 05 11:40:45 2019
Response via : Initial Calibration



TIC: BG041960.D

(51) 4-Nitrophenol-d4 (S)

14.903min (+0.021) 0.15ng/ul

response 309

Ion	Exp%	Act%
143.00	100	100
113.00	68.30	88.33#
41.00	31.00	61.33#
42.00	21.10	0.00#

Quantitation Report (Qedit)

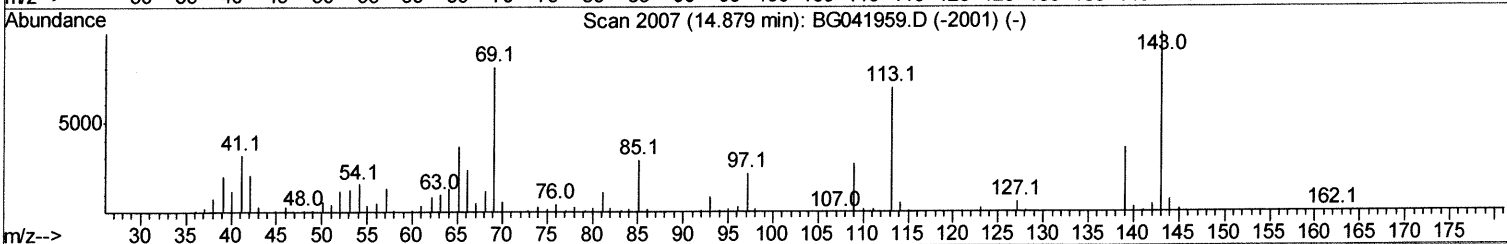
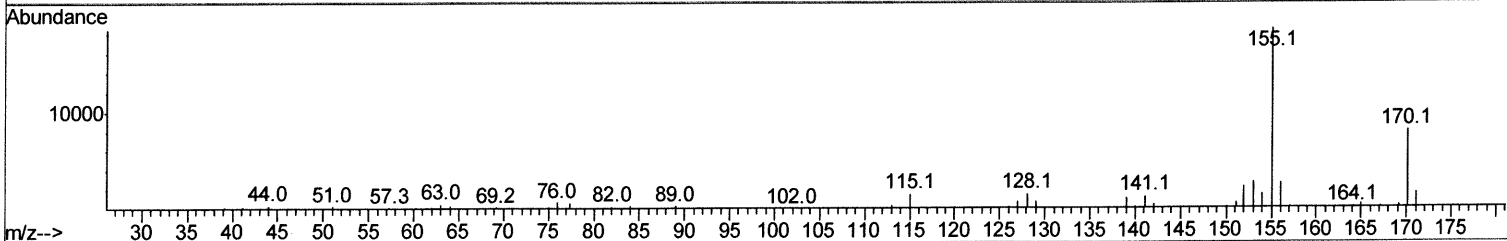
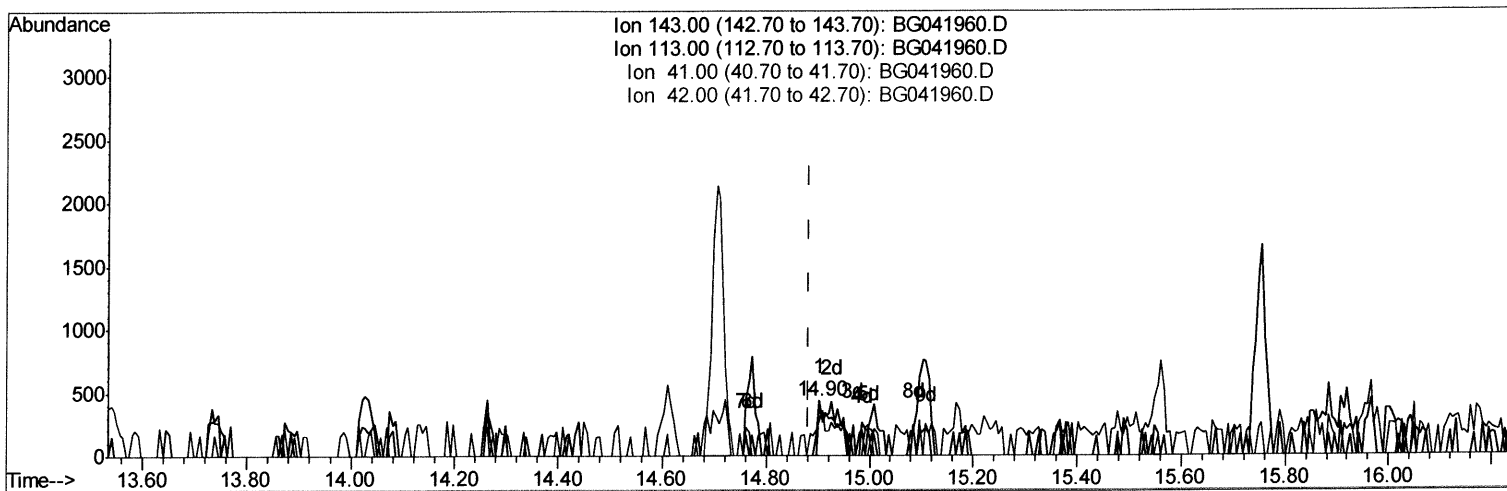
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041960.D
Acq On : 5 Aug 2019 9:37
Operator : HP/JU
Sample : K3850-02DL2 30X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
BENP1DL2

Manual Integrations
APPROVED

mohammad
8/6/2019 12:18:50 PM

Quant Time: Aug 05 11:43:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 05 11:40:45 2019
Response via : Initial Calibration



TIC: BG041960.D

(51) 4-Nitrophenol-d4 (S)

14.903min (+0.021) 0.53ng/ul m 08/05/19

response 1089

Ion	Exp%	Act%
143.00	100	100
113.00	68.30	173.87#
41.00	31.00	120.72#
42.00	21.10	0.00#

Quantitation Report (Qedit)

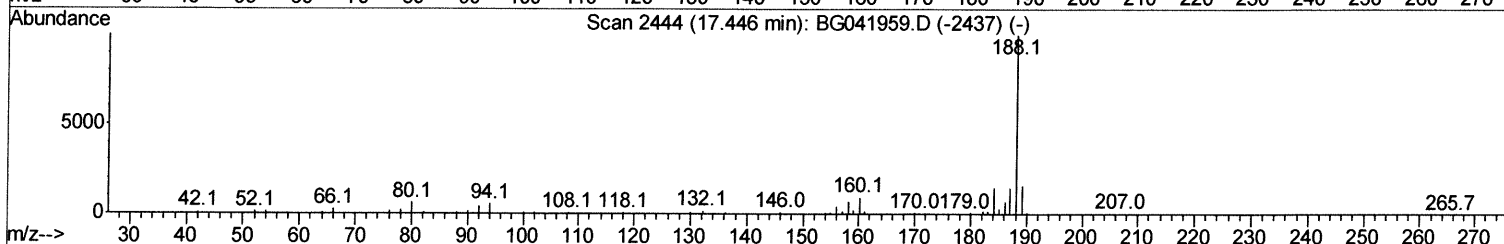
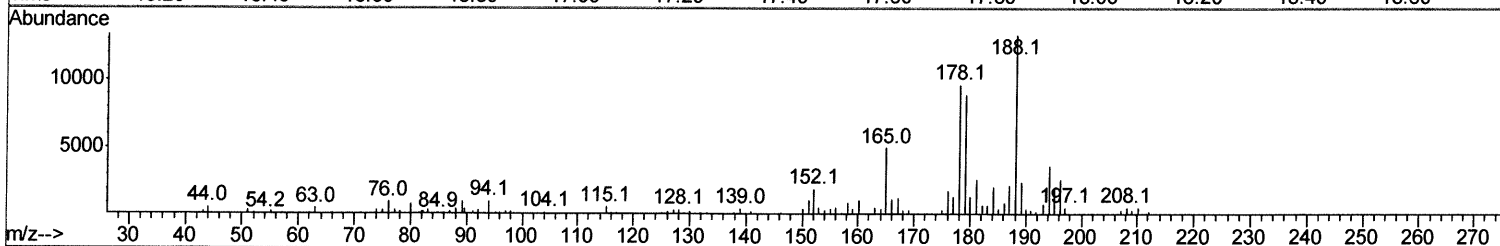
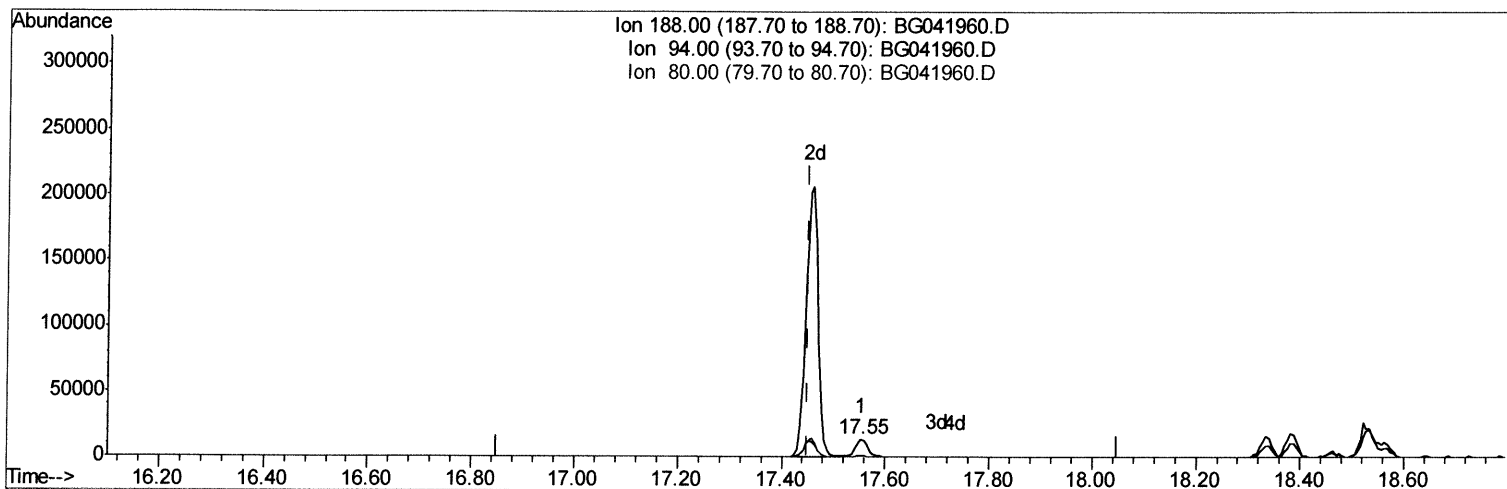
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
 Data File : BG041960.D
 Acq On : 5 Aug 2019 9:37
 Operator : HP/JU
 Sample : K3850-02DL2 30X
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_G
ClientSampleId :
 BENP1DL2

Manual Integrations
APPROVED

mohammad
 8/6/2019 12:18:50 PM

Quant Time: Aug 05 11:43:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 05 11:40:45 2019
 Response via : Initial Calibration



TIC: BG041960.D

(61) Phenanthrene-d10 (I)

17.552min (+0.103) 20.00ng/ul

response 20710

Ion	Exp%	Act%
188.00	100	100
94.00	7.00	8.17
80.00	7.40	6.69
0.00	0.00	0.00

Quantitation Report (Qedit)

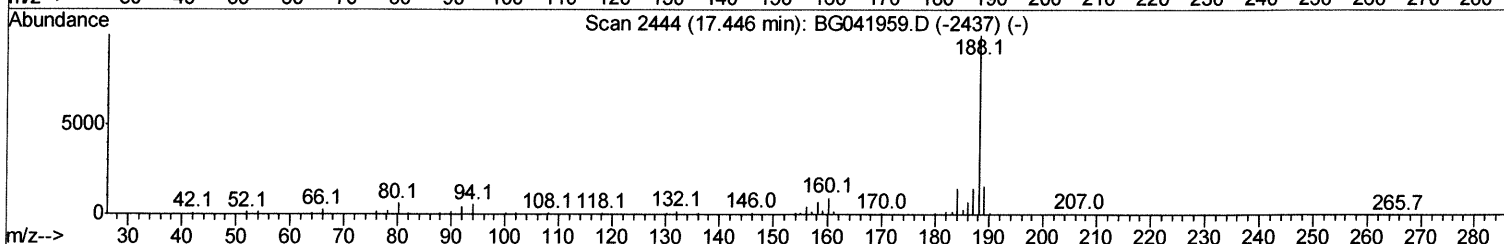
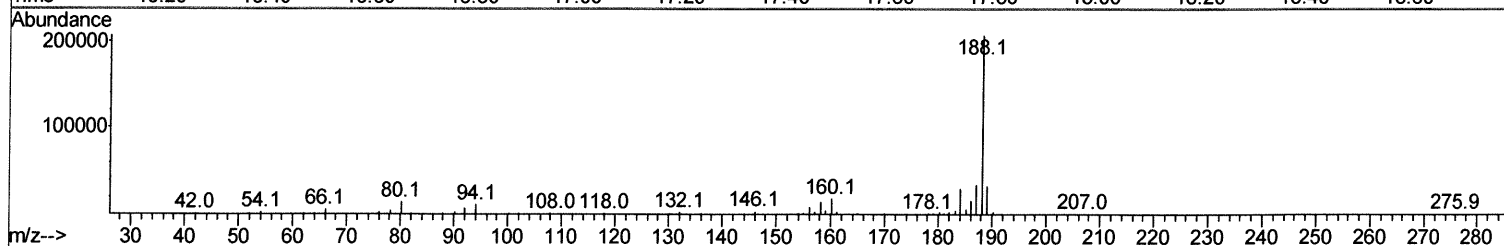
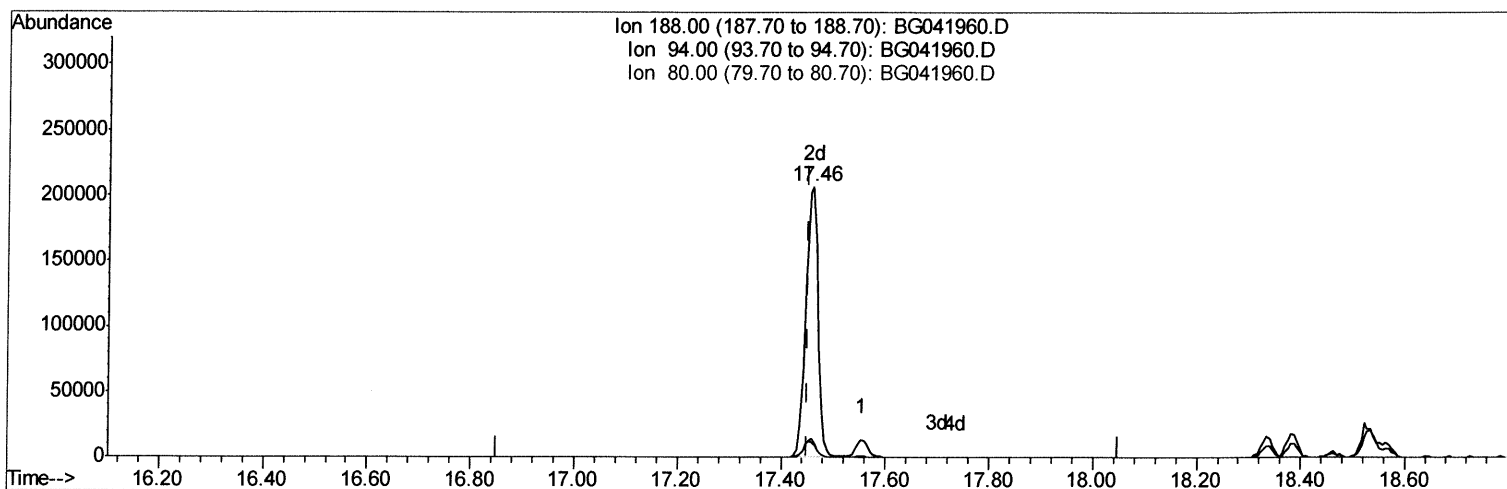
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041960.D
Acq On : 5 Aug 2019 9:37
Operator : HP/JU
Sample : K3850-02DL2 30X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENP1DL2

Manual Integrations
APPROVED

mohammad
8/6/2019 12:18:50 PM

Quant Time: Aug 05 11:43:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 05 11:40:45 2019
Response via : Initial Calibration



TIC: BG041960.D

(61) Phenanthrene-d10 (I)

17.458min (+0.009) 20.00ng/ul m *JU* 08/05/19

response 333426

Ion	Exp%	Act%
188.00	100	100
94.00	7.00	5.44#
80.00	7.40	6.86
0.00	0.00	0.00

Quantitation Report (Qedit)

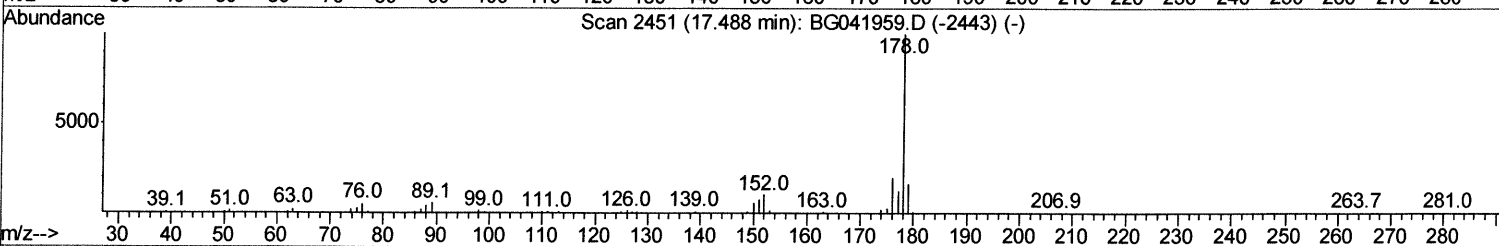
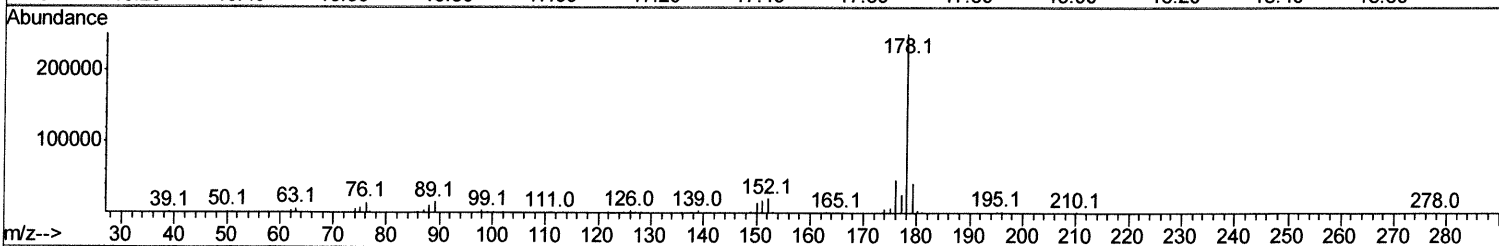
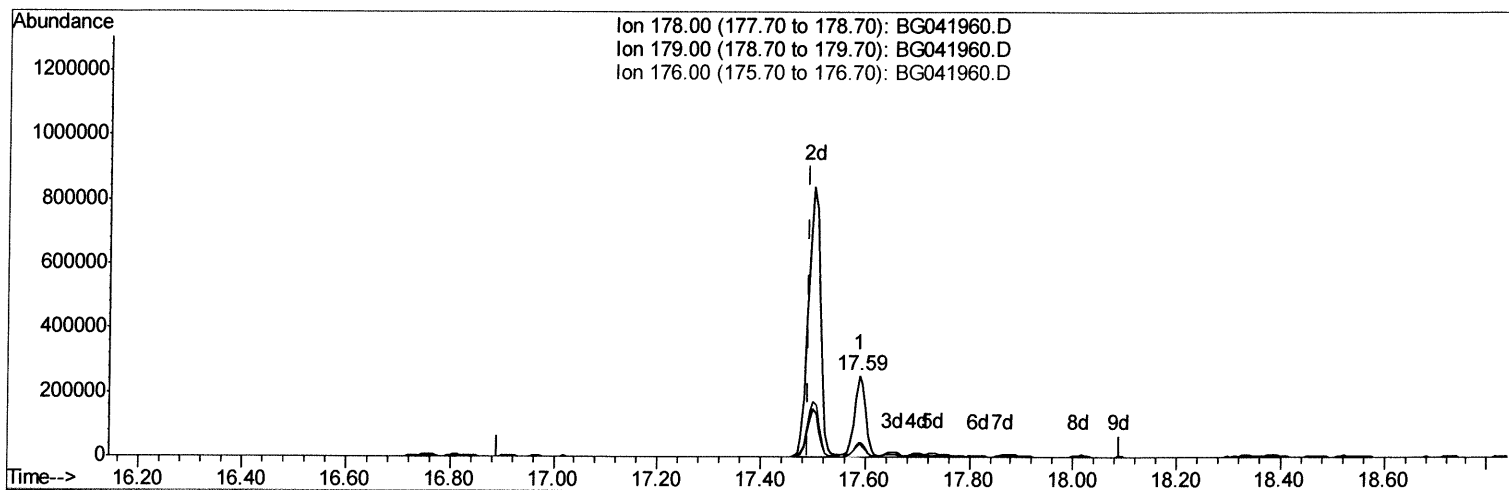
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
 Data File : BG041960.D
 Acq On : 5 Aug 2019 9:37
 Operator : HP/JU
 Sample : K3850-02DL2 30X
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_G
ClientSampleId :
 BENP1DL2

Manual Integrations
APPROVED

mohammad
 8/6/2019 12:18:50 PM

Quant Time: Aug 05 11:59:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 05 11:40:45 2019
 Response via : Initial Calibration



TIC: BG041960.D

(69) Phenanthrene

17.588min (+0.097) 20.14ng/ul

response 367663

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	16.20
176.00	19.30	18.33
0.00	0.00	0.00

Quantitation Report (Qedit)

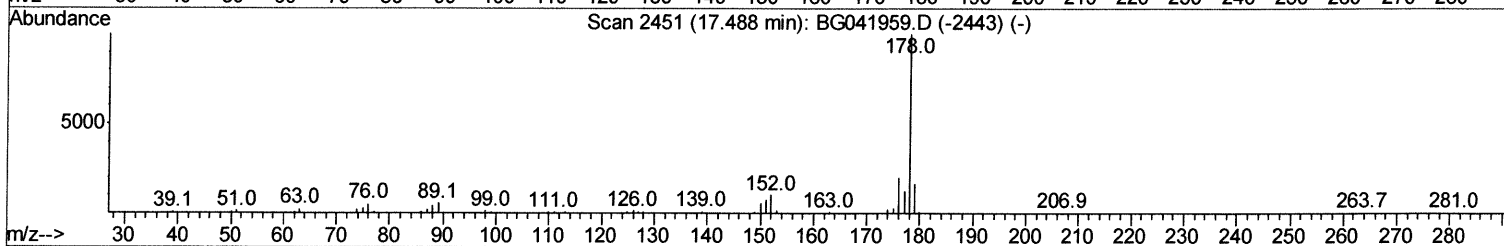
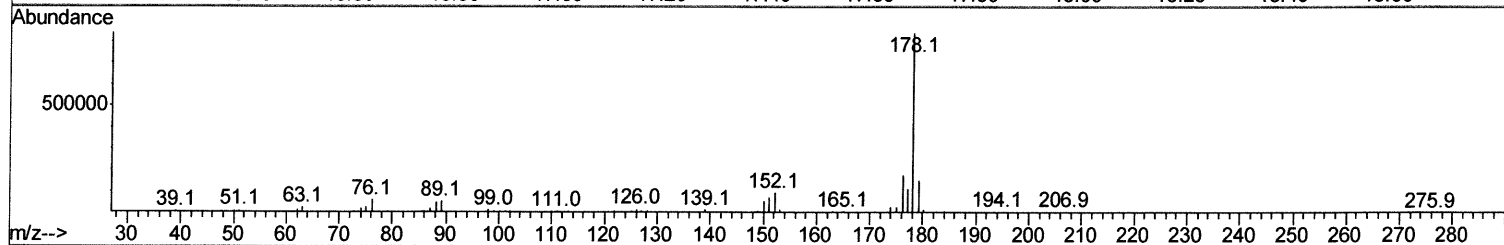
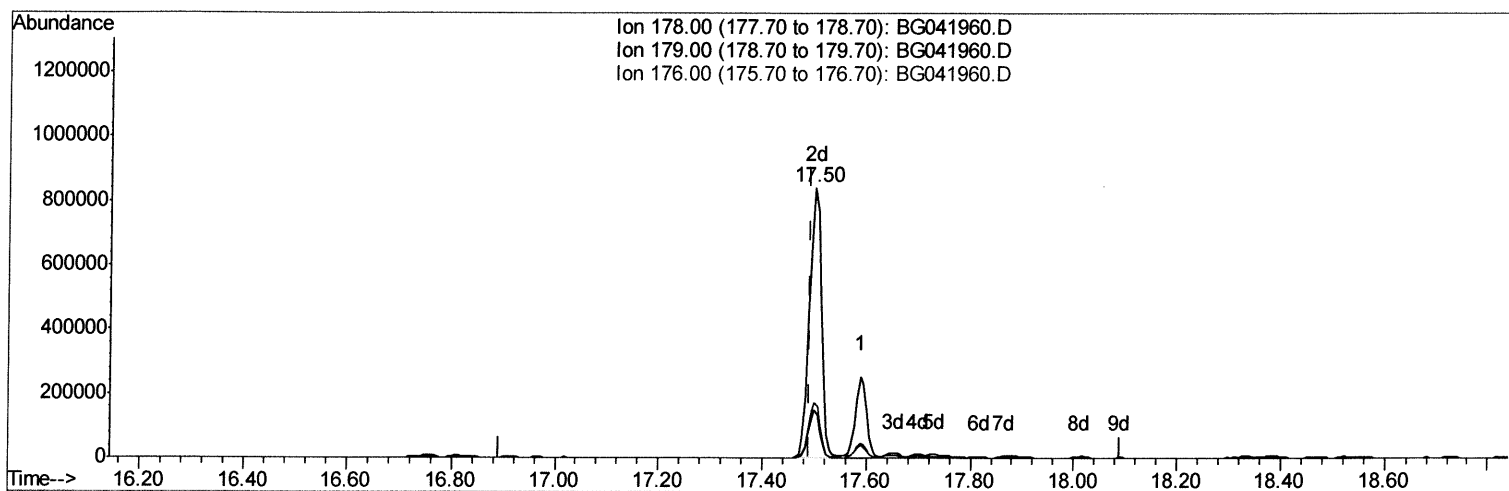
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Data File : BG041960.D
Acq On : 5 Aug 2019 9:37
Operator : HP/JU
Sample : K3850-02DL2 30X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENP1DL2

Manual Integrations
APPROVED

mohammad
8/6/2019 12:18:50 PM

Quant Time: Aug 05 11:59:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration



TIC: BG041960.D

(69) Phenanthrene

17.500min (+0.009) 74.27ng/ul m 08/05/19

response 1355730

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	17.72
176.00	19.30	20.69
0.00	0.00	0.00

Quantitation Report (Qedit)

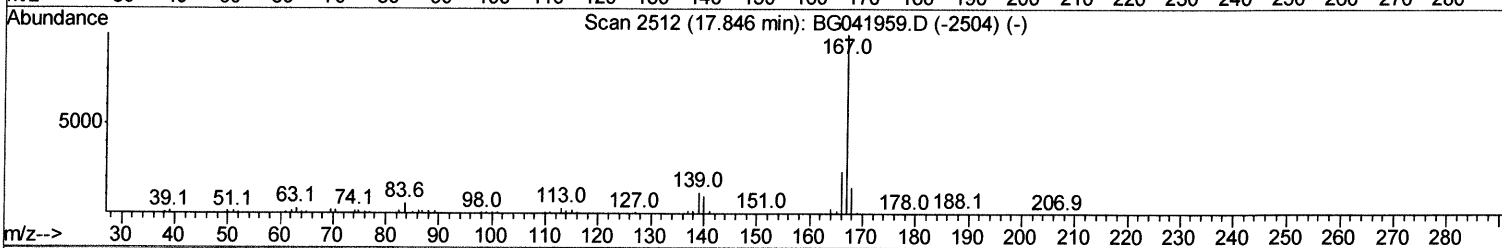
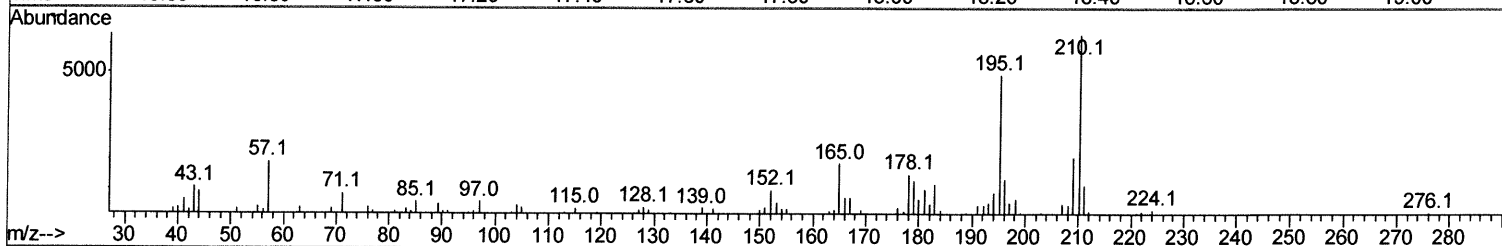
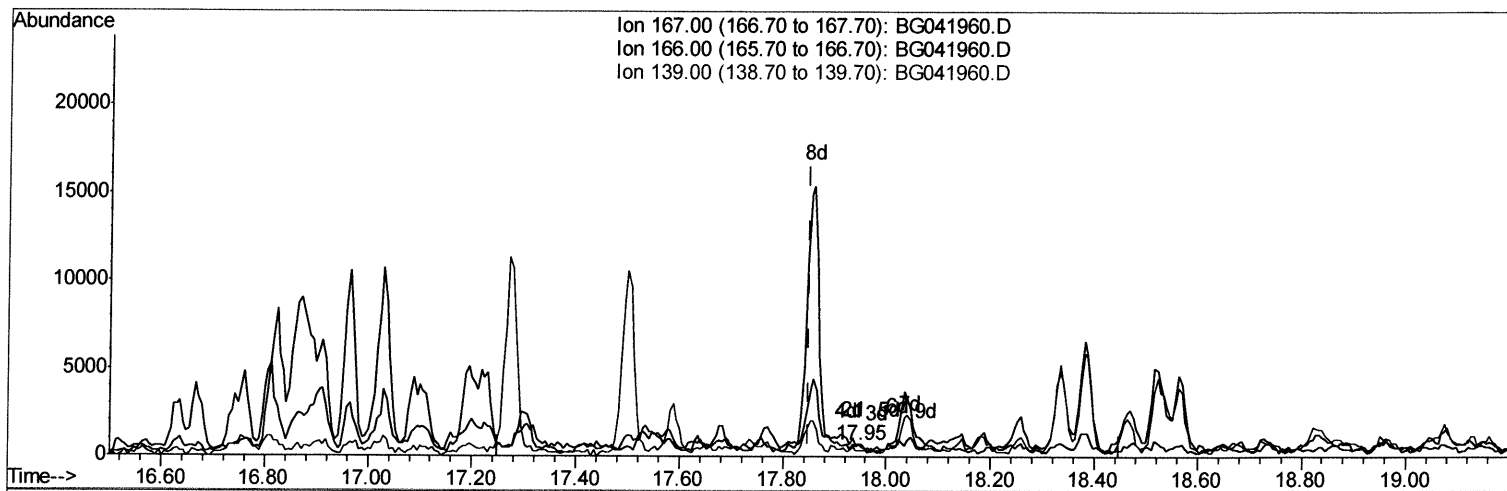
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041960.D
Acq On : 5 Aug 2019 9:37
Operator : HP/JU
Sample : K3850-02DL2 30X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENP1DL2

Manual Integrations
APPROVED

mohammad
8/6/2019 12:18:50 PM

Quant Time: Aug 05 11:59:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 05 11:40:45 2019
Response via : Initial Calibration



TIC: BG041960.D

(74) Carbazole

17.946min (+0.097) 0.02ng/ul

response 318

Ion	Exp%	Act%
167.00	100	100
166.00	22.80	101.16#
139.00	12.00	52.46#
0.00	0.00	0.00

Quantitation Report (Qedit)

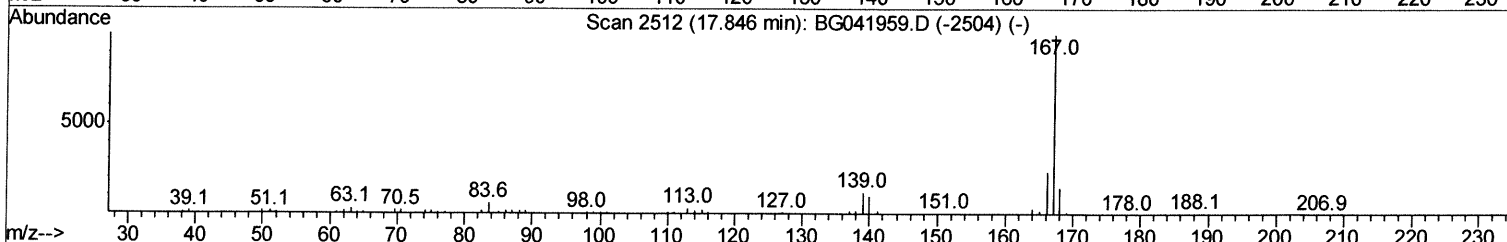
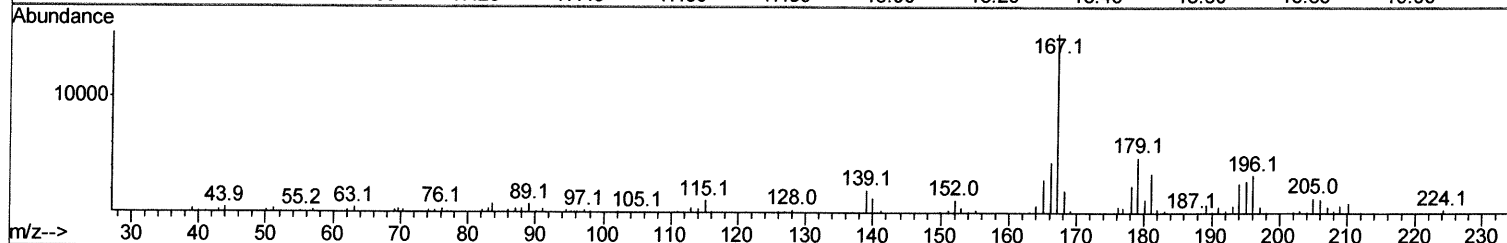
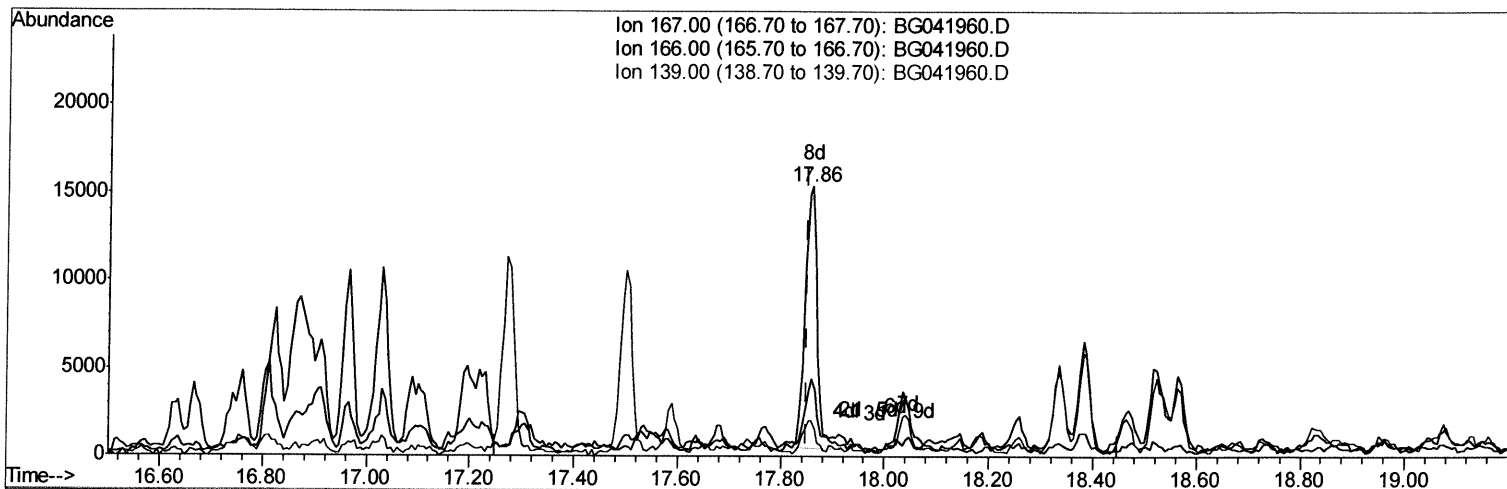
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
 Data File : BG041960.D
 Acq On : 5 Aug 2019 9:37
 Operator : HP/JU
 Sample : K3850-02DL2 30X
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BENP1DL2

Manual Integrations
 APPROVED

mohammad
 8/6/2019 12:18:50 PM

Quant Time: Aug 05 11:59:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 05 11:40:45 2019
 Response via : Initial Calibration



TIC: BG041960.D

(74) Carbazole

17.858min (+0.009) 1.56ng/ul m 08/05/19

response 23859

Ion	Exp%	Act%
167.00	100	100
166.00	22.80	28.88#
139.00	12.00	13.23
0.00	0.00	0.00

Quantitation Report (Qedit)

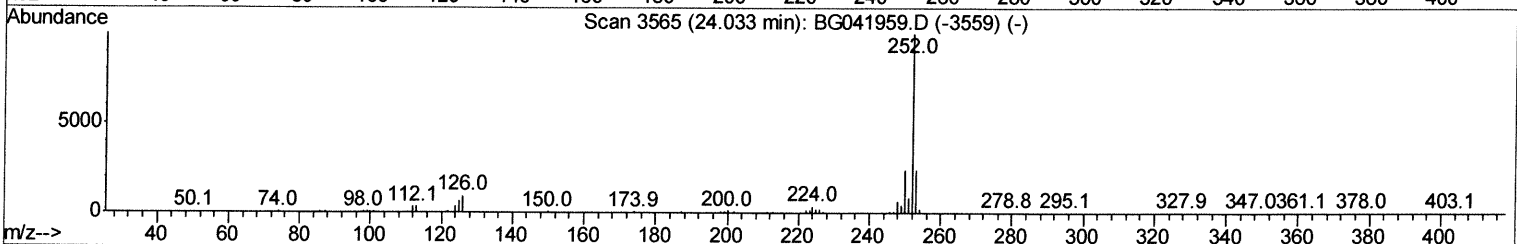
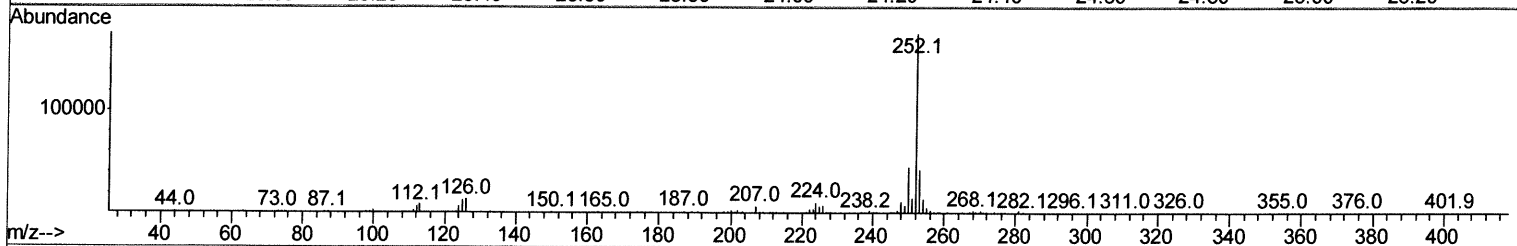
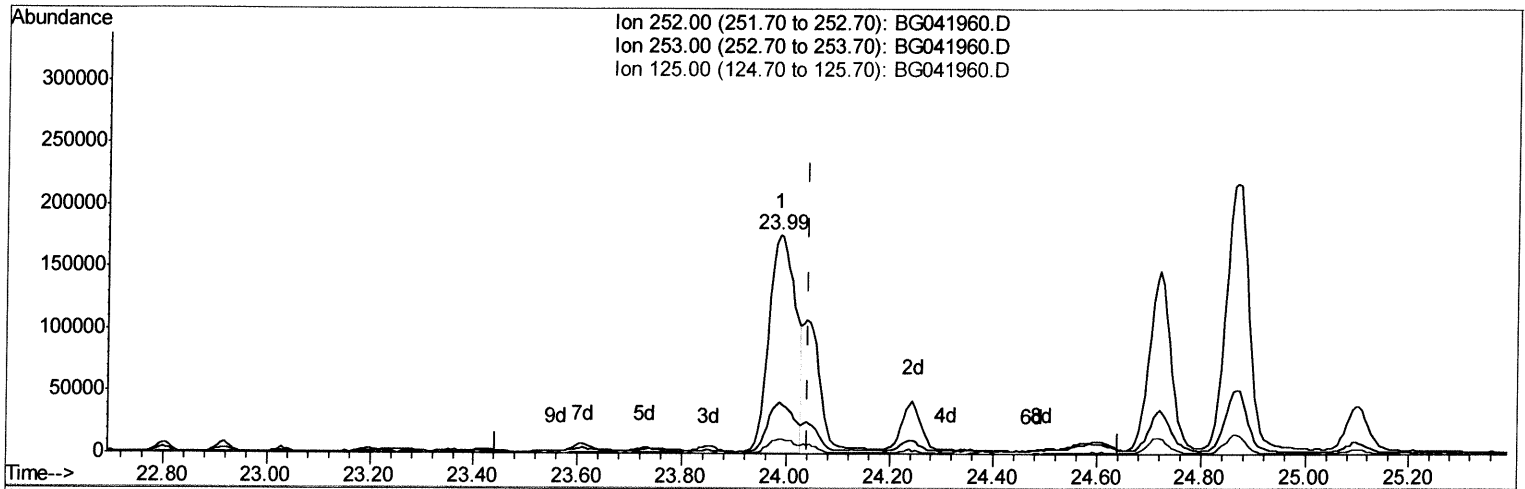
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
 Data File : BG041960.D
 Acq On : 5 Aug 2019 9:37
 Operator : HP/JU
 Sample : K3850-02DL2 30X
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_G
ClientSampleId :
 BENP1DL2

Manual Integrations
APPROVED

mohammad
 8/6/2019 12:18:50 PM

Quant Time: Aug 05 11:59:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 05 11:40:45 2019
 Response via : Initial Calibration



TIC: BG041960.D

(88) Benzo(k)fluoranthene

23.986min (-0.055) 27.25ng/ul

response 623361

Ion	Exp%	Act%
252.00	100	100
253.00	22.90	23.72
125.00	6.90	6.74
0.00	0.00	0.00

Quantitation Report (Qedit)

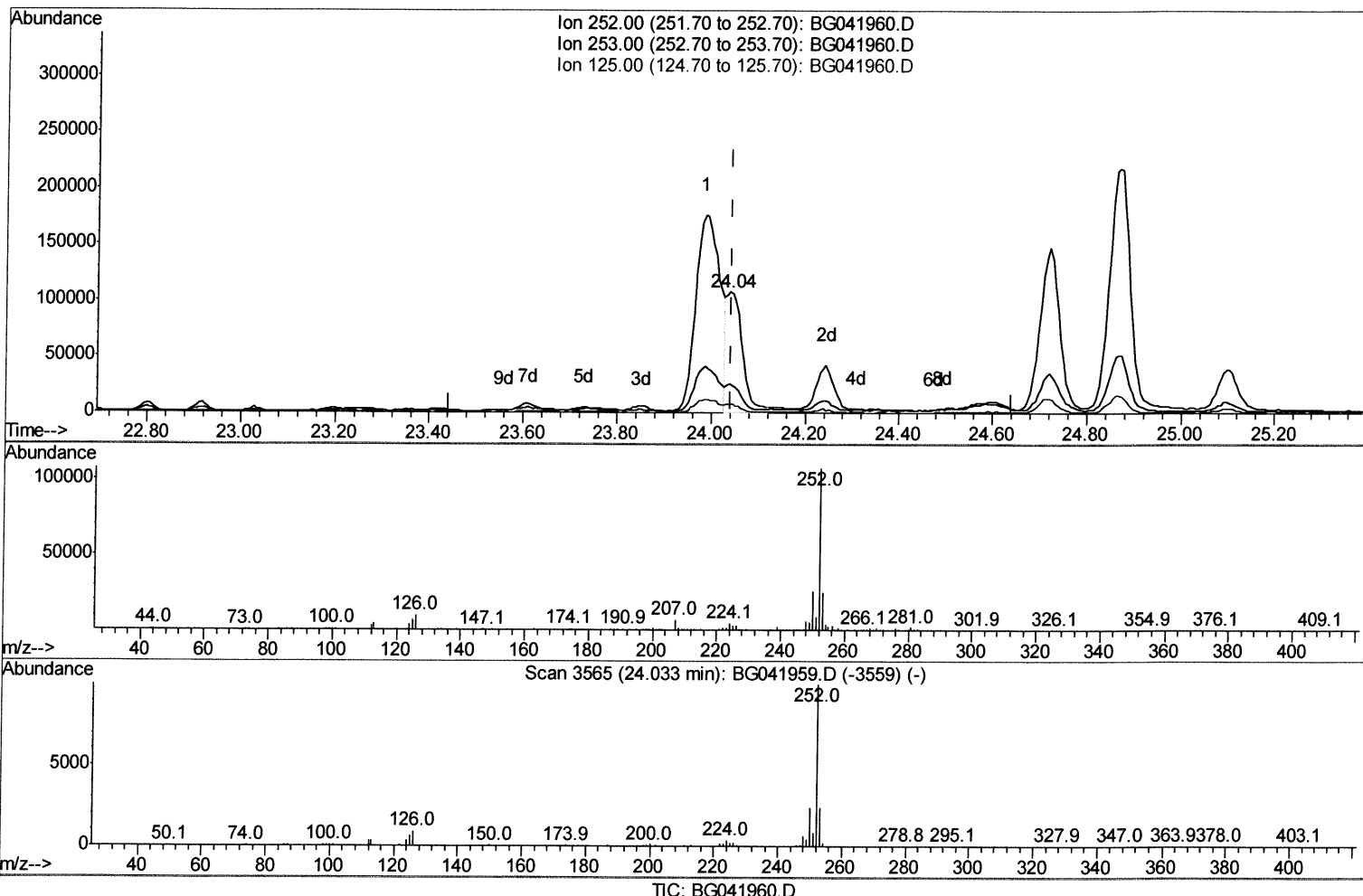
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041960.D
Acq On : 5 Aug 2019 9:37
Operator : HP/JU
Sample : K3850-02DL2 30X
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BENP1DL2

Manual Integrations
APPROVED

mohammad
8/6/2019 12:18:50 PM

Quant Time: Aug 05 11:59:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 05 11:40:45 2019
Response via : Initial Calibration



(88) Benzo(k)fluoranthene

24.039min (-0.003) 11.00ng/ul m

response 251697

Ion	Exp%	Act%
252.00	100	100
253.00	22.90	23.61
125.00	6.90	6.37
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
 Data File : BG041960.D
 Acq On : 5 Aug 2019 9:37
 Operator : HP/JU
 Sample : K3850-02DL2 30X
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 BENP1DL2

Manual Integrations
 APPROVED

mohammad
 8/6/2019 12:18:50 PM

Quant Time: Aug 05 12:01:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 05 11:40:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	59456	20.00	ng/ul	0.02
18) Naphthalene-d8	10.88	136	240133	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.71	164	158880	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.46	188	333426m>	20.00	ng/ul	0.00
77) Chrysene-d12	21.74	240	333833	20.00	ng/ul	0.00
85) Perylene-d12	25.02	264	379139	20.00	ng/ul	0.00

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System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.22	99	3372	0.72	ng/ul	0.03
7) Bis-(2-Chloroethyl)ether-d	7.38	67	2260	0.87	ng/ul	0.03
9) 2-Chlorophenol-d4	7.59	132	3683	0.92	ng/ul	0.03
13) 4-Methylphenol-d8	8.77	113	2791	0.71	ng/ul	0.03
19) Nitrobenzene-d5	9.23	128	1658	0.92	ng/ul	0.02
22) 2-Nitrophenol-d4	9.96	143	1822	0.87	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.51	165	3853m>	0.91	ng/ul	0.04
29) 4-Chloroaniline-d4	11.02	131	5490m>	1.17	ng/ul	0.03
43) Dimethylphthalate-d6	14.10	166	12305	1.00	ng/ul	0.00
46) Acenaphthylene-d8	14.40	160	16813	1.19	ng/ul	0.00
51) 4-Nitrophenol-d4	14.90	143	1089m>	0.53	ng/ul	0.02
57) Fluorene-d10	15.70	176	12519	1.14	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.86	200	56	0.03	ng/ul	0.05
70) Anthracene-d10	17.55	188	20710	1.29	ng/ul	0.00
78) Pyrene-d10	19.84	212	22336	1.20	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.80	264	21583	1.09	ng/ul	0.00

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Target Compounds

					Ovalue	
28) Naphthalene	10.93	128	99333	8.091	ng/ul	99
34) 2-Methylnaphthalene	12.53	142	95246	9.761	ng/ul	100
40) 1,1'-Biphenyl	13.54	154	14564	1.261	ng/ul#	97
49) Acenaphthene	14.77	153	140708	14.165	ng/ul	98
53) Dibenzofuran	15.10	168	23285	1.571	ng/ul#	83
58) Fluorene	15.75	166	115066	9.636	ng/ul	94
69) Phenanthrene	17.50	178	1355730m>	74.272	ng/ul	98
71) Anthracene	17.59	178	367663	19.859	ng/ul	98
74) Carbazole	17.86	167	23859m>	1.556	ng/ul	98
76) Fluoranthene	19.51	202	1011646	47.967	ng/ul	98
79) Pyrene	19.87	202	1598196	71.172	ng/ul	99
82) Benzo(a)anthracene	21.72	228	886742	38.310	ng/ul	98
83) Bis(2-ethylhexyl)phthalate	21.63	149	34466	2.858	ng/ul	99
84) Chrysene	21.79	228	910656	42.153	ng/ul	98
87) Benzo(b)fluoranthene	23.99	252	623361	26.199	ng/ul	98
88) Benzo(k)fluoranthene	24.04	252	251697m>	11.002	ng/ul	98
90) Benzo(a)pyrene	24.87	252	637327	28.110	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	28.77	276	236009	8.925	ng/ul	98
92) Dibenzo(a,h)anthracene	28.82	278	86258	3.999	ng/ul	96
93) Benzo(g,h,i)perylene	29.93	276	240525	10.894	ng/ul	98

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