

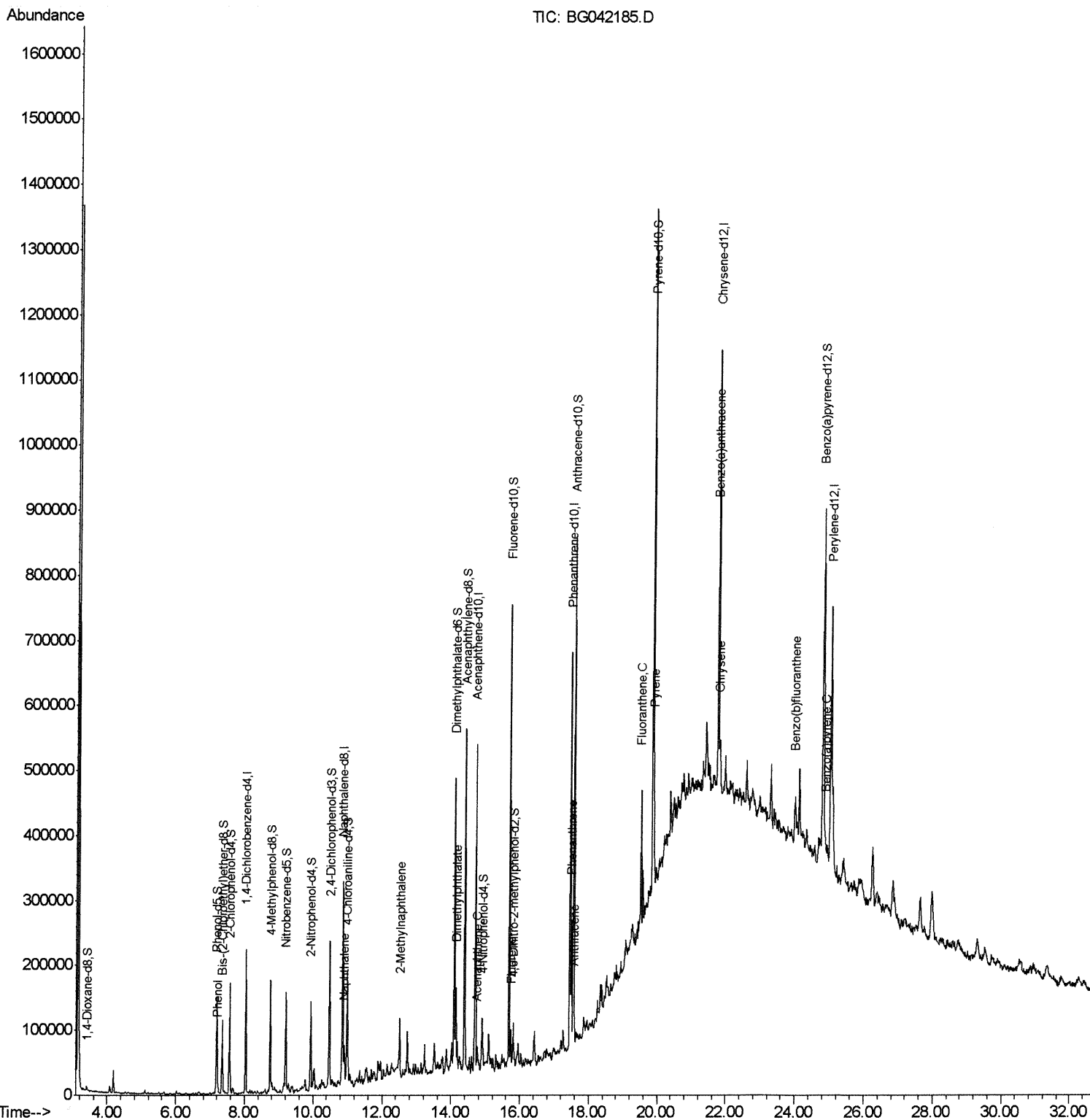
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081219\
Data File : BG042185.D
Acq On : 13 Aug 2019 17:50
Operator : HP/JU
Sample : K4215-11
Misc :
ALS Vial : 49 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ETOC2

Manual Integrations
APPROVED

mohammad
8/20/2019 8:35:50 AM

Quant Time: Aug 14 05:40:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 14 02:56:59 2019
Response via : Initial Calibration



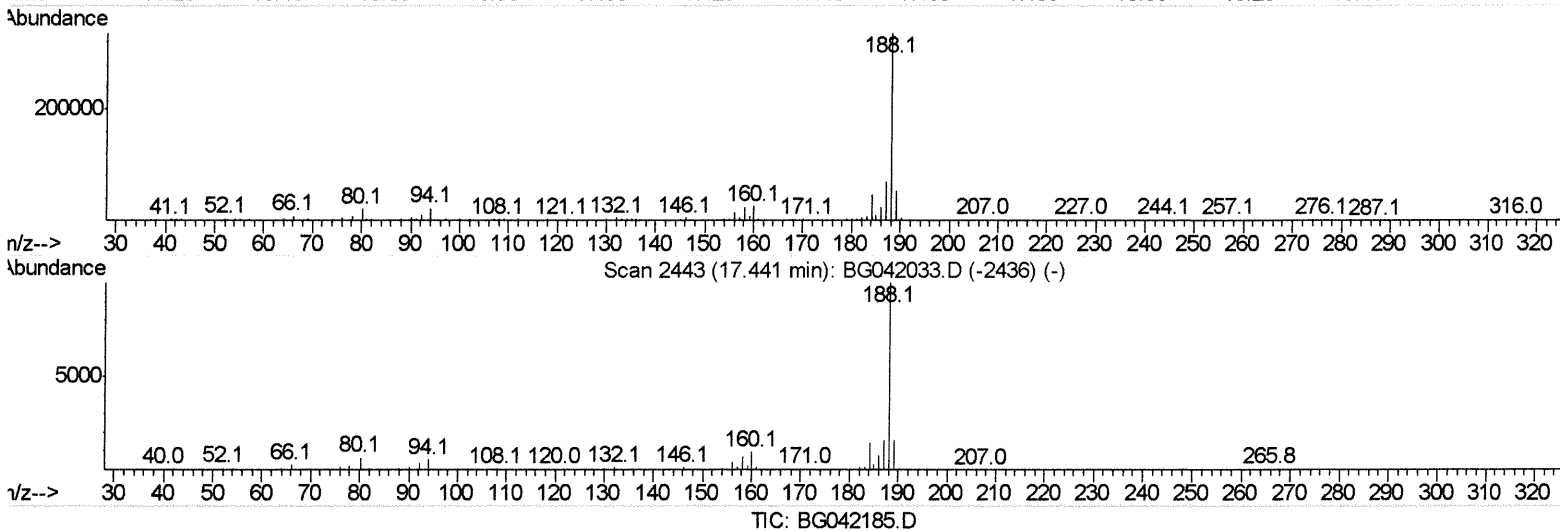
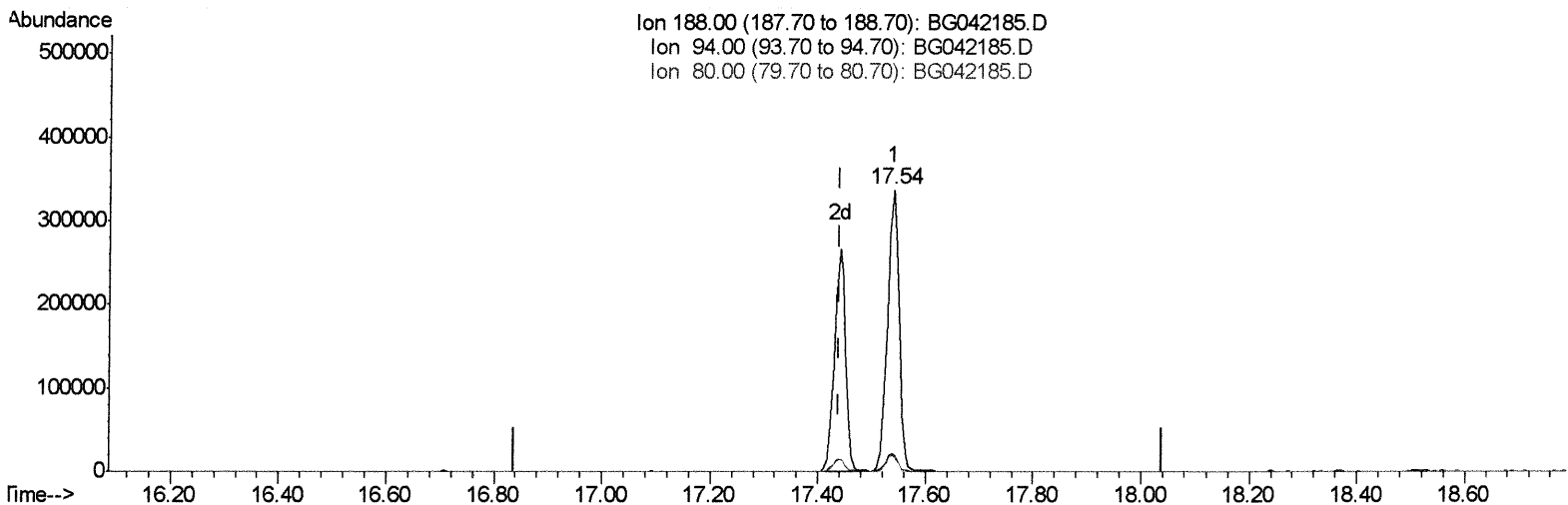
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG081219\
 Data File : BG042185.D
 Acq On : 13 Aug 2019 17:50
 Operator : HP/JU
 Sample : K4215-11
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ET0C2

Manual Integrations
 APPROVED

mohammad
 8/20/2019 8:35:50 AM

Quant Time: Aug 14 05:03:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 14 02:56:59 2019
 Response via : Initial Calibration



(61) Phenanthrene-d10 (I)

17.538min (+0.100) 20.00ng/ul

response 503374

Ion	Exp%	Act%
188.00	100	100
94.00	7.00	6.33
80.00	7.40	6.09
0.00	0.00	0.00

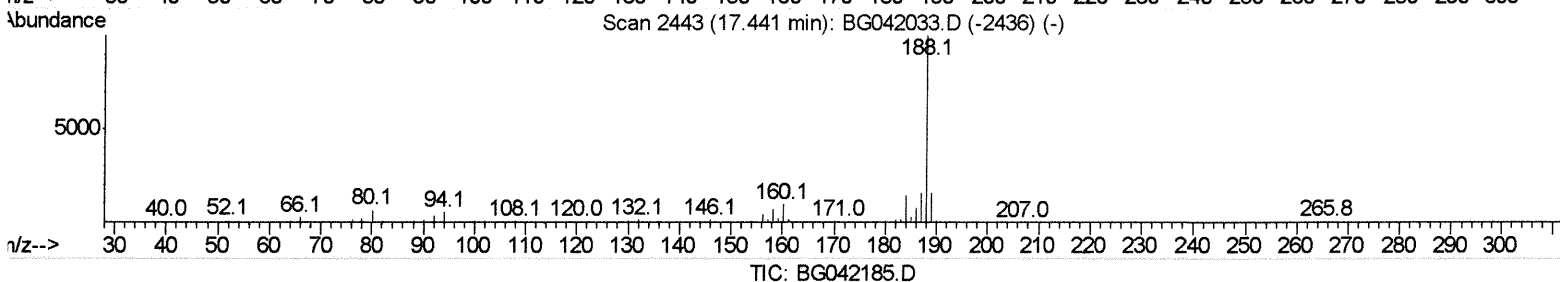
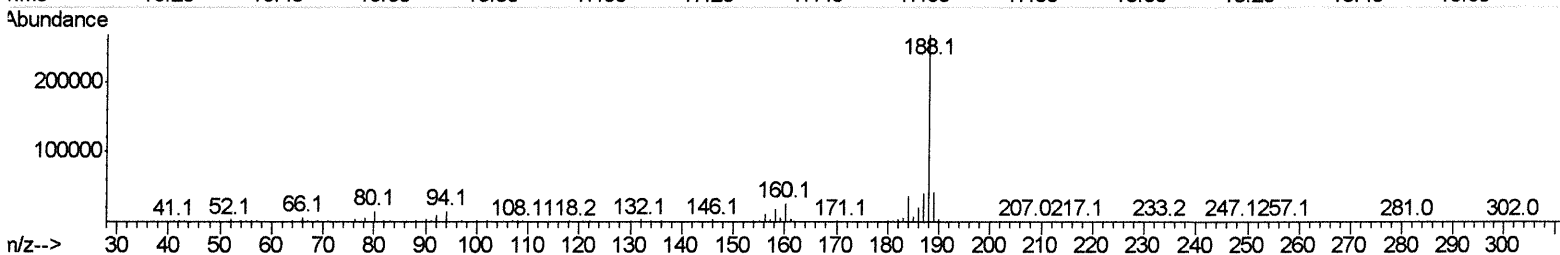
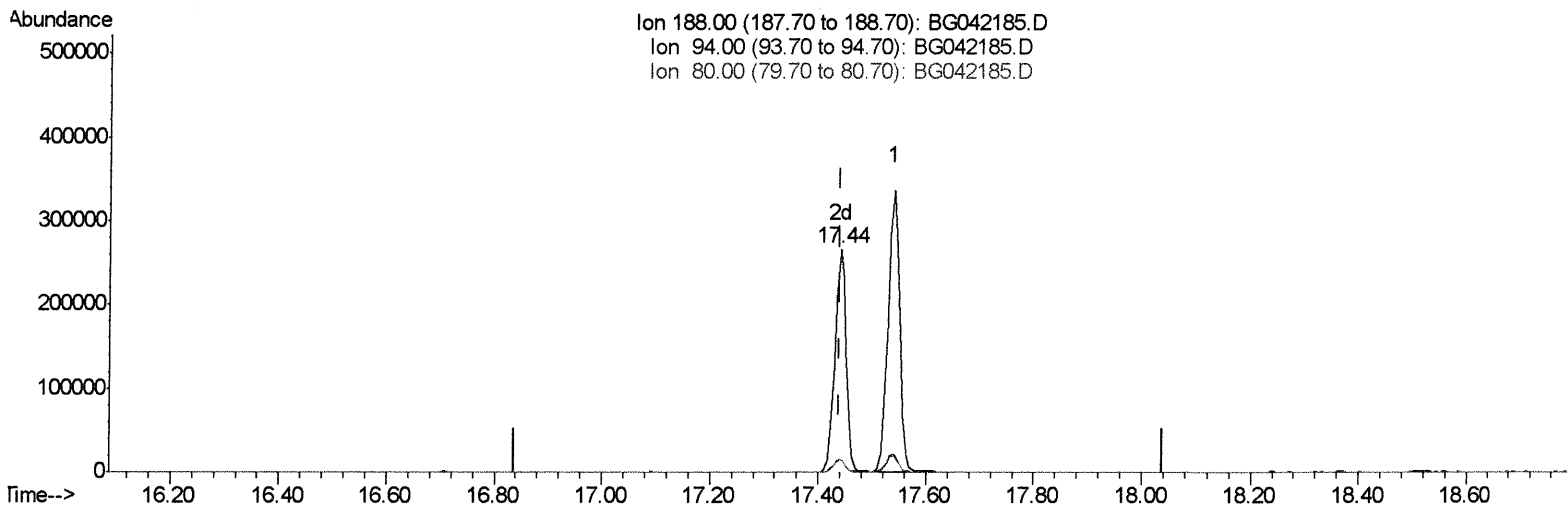
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081219\
 Data File : BG042185.D
 Acq On : 13 Aug 2019 17:50
 Operator : HP/JU
 Sample : K4215-11
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 ETOC2

Manual Integrations
 APPROVED

mohammad
 8/20/2019 8:35:50 AM

Quant Time: Aug 14 05:03:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 14 02:56:59 2019
 Response via : Initial Calibration



(61) Phenanthrene-d10 (I)

17.438min (-0.000) 20.00ng/ul m *JU* 8/14/19

response 399702

Ion	Exp%	Act%
188.00	100	100
94.00	7.00	5.65
80.00	7.40	5.88#
0.00	0.00	0.00

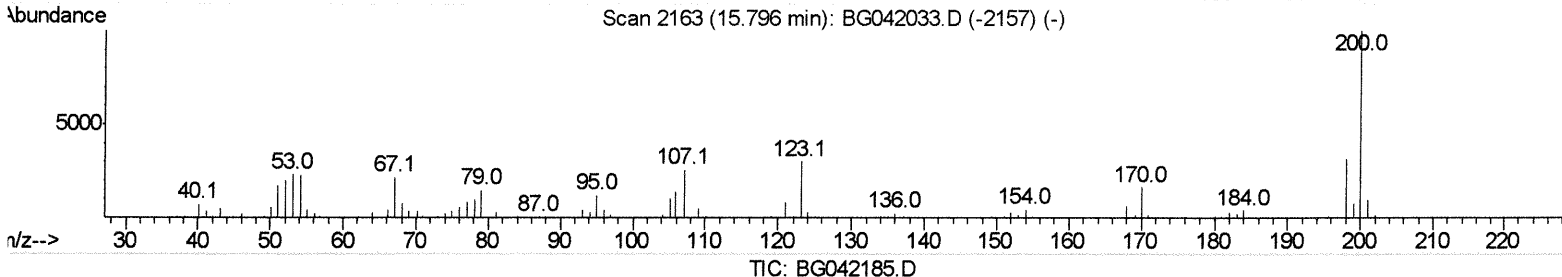
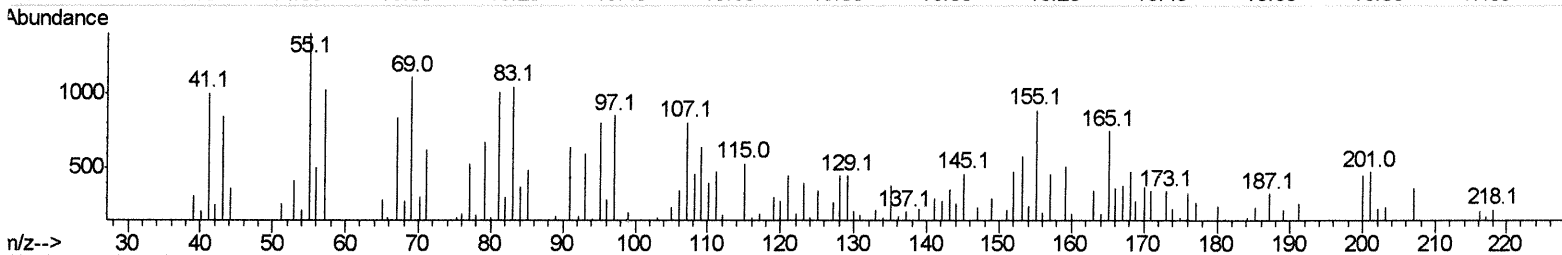
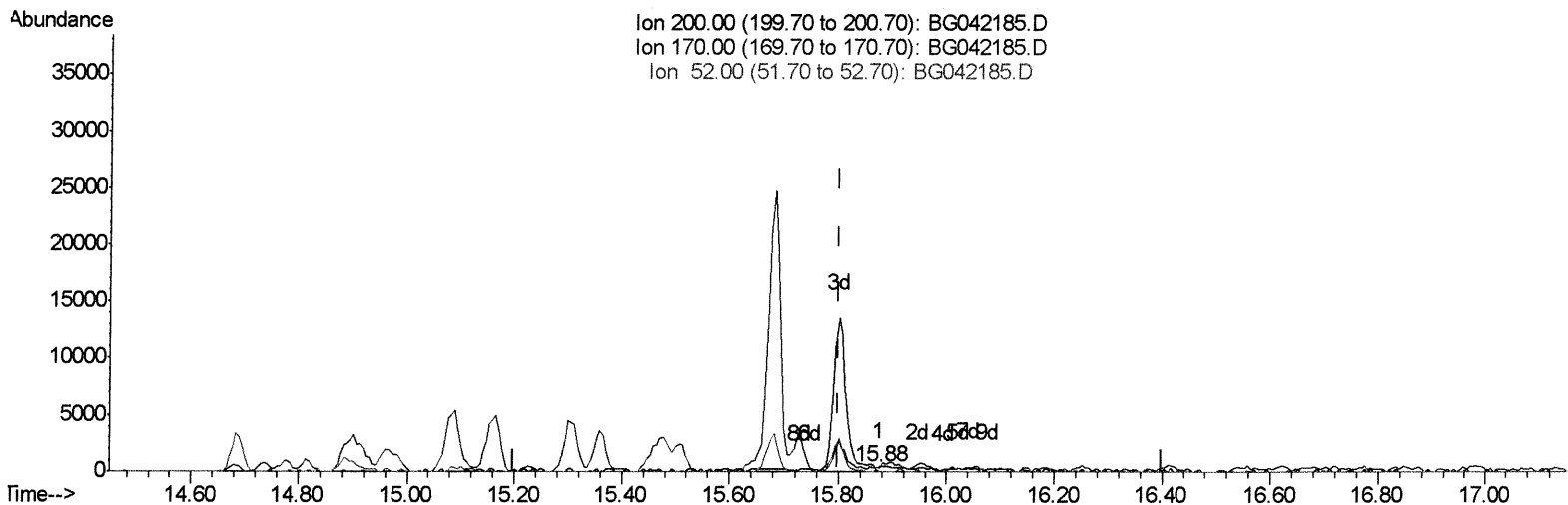
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081219\
 Data File : BG042185.D
 Acq On : 13 Aug 2019 17:50
 Operator : HP/JU
 Sample : K4215-11
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 ET0C2

Manual Integrations
 APPROVED

mohammad
 8/20/2019 8:35:50 AM

Quant Time: Aug 14 05:37:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 14 02:56:59 2019
 Response via : Initial Calibration



TIC: BG042185.D

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

15.876min (+0.076) 0.10ng/ul

response 245

Ion	Exp%	Act%
200.00	100	100
170.00	15.80	83.56#
52.00	31.40	0.00#
0.00	0.00	0.00

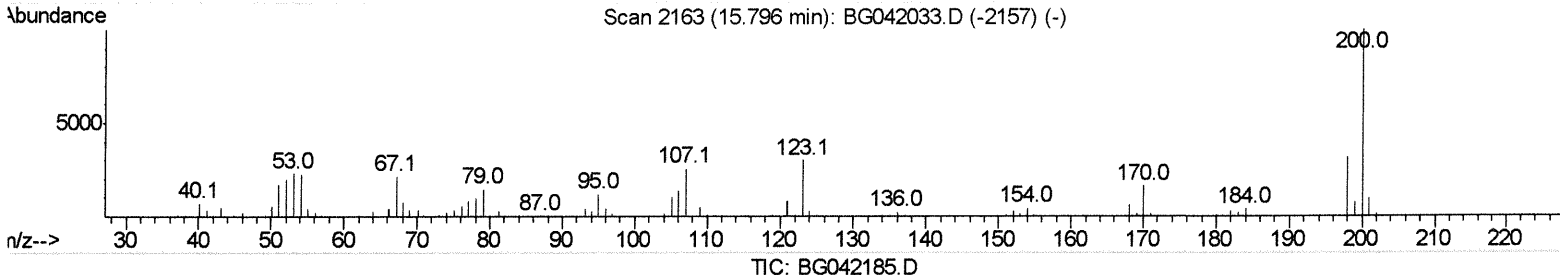
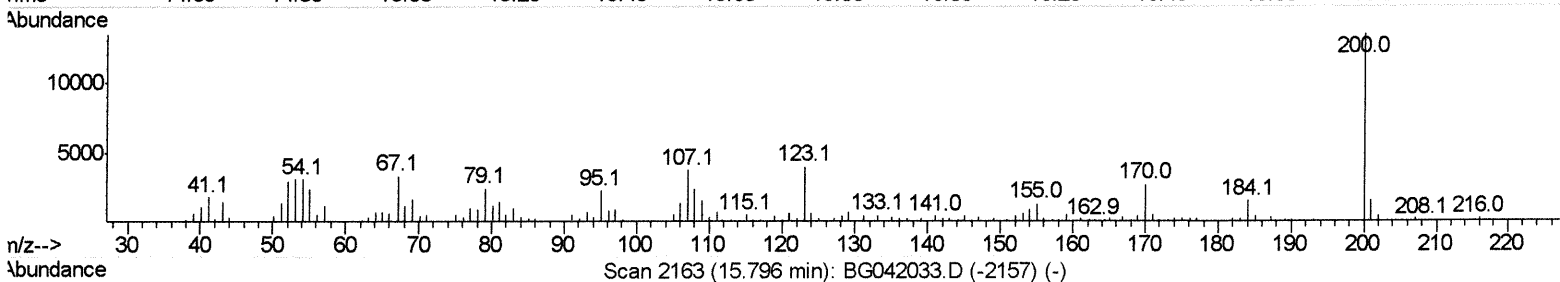
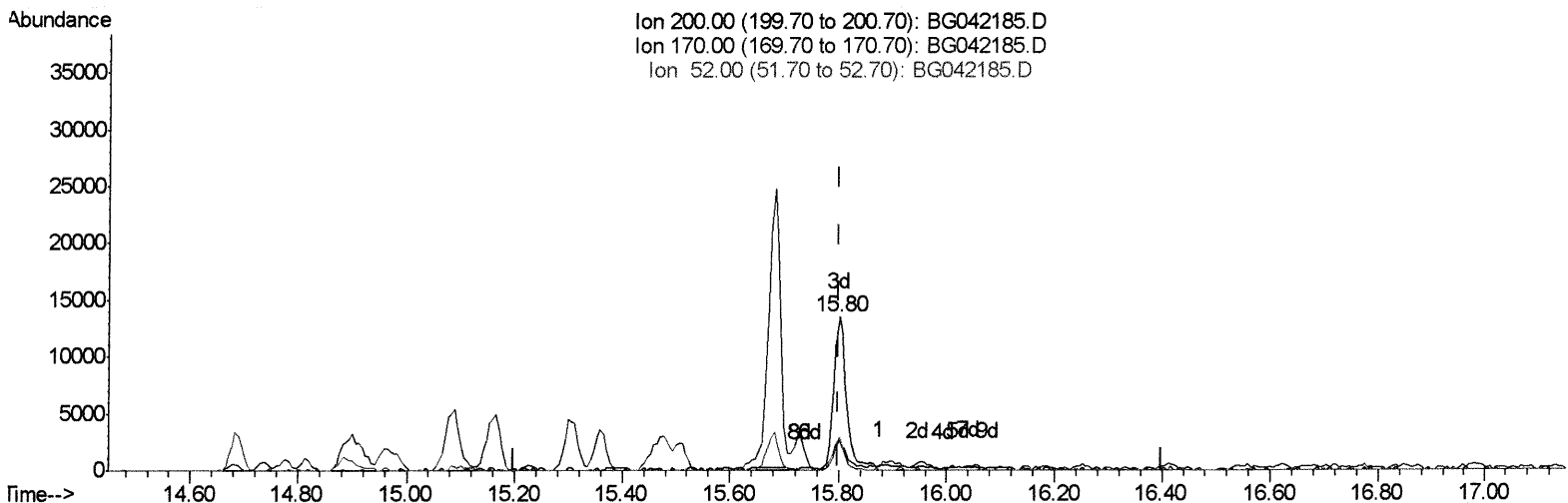
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081219\
 Data File : BG042185.D
 Acq On : 13 Aug 2019 17:50
 Operator : HP/JU
 Sample : K4215-11
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ET0C2

Manual Integrations
 APPROVED

mohammad
 8/20/2019 8:35:50 AM

Quant Time: Aug 14 05:37:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 14 02:56:59 2019
 Response via : Initial Calibration



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

15.799min (-0.000) 9.12ng/ul m

JU
 08/14/19

response 23393

Ion	Exp%	Act%
200.00	100	100
170.00	15.80	20.17#
52.00	31.40	22.02#
0.00	0.00	0.00

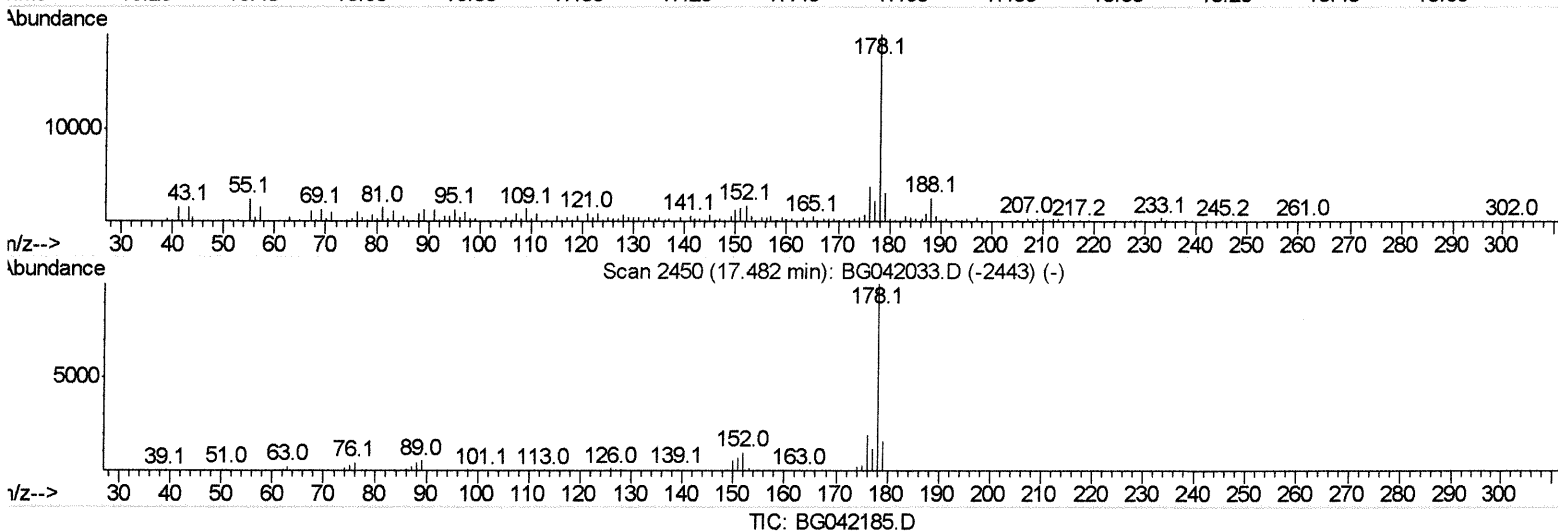
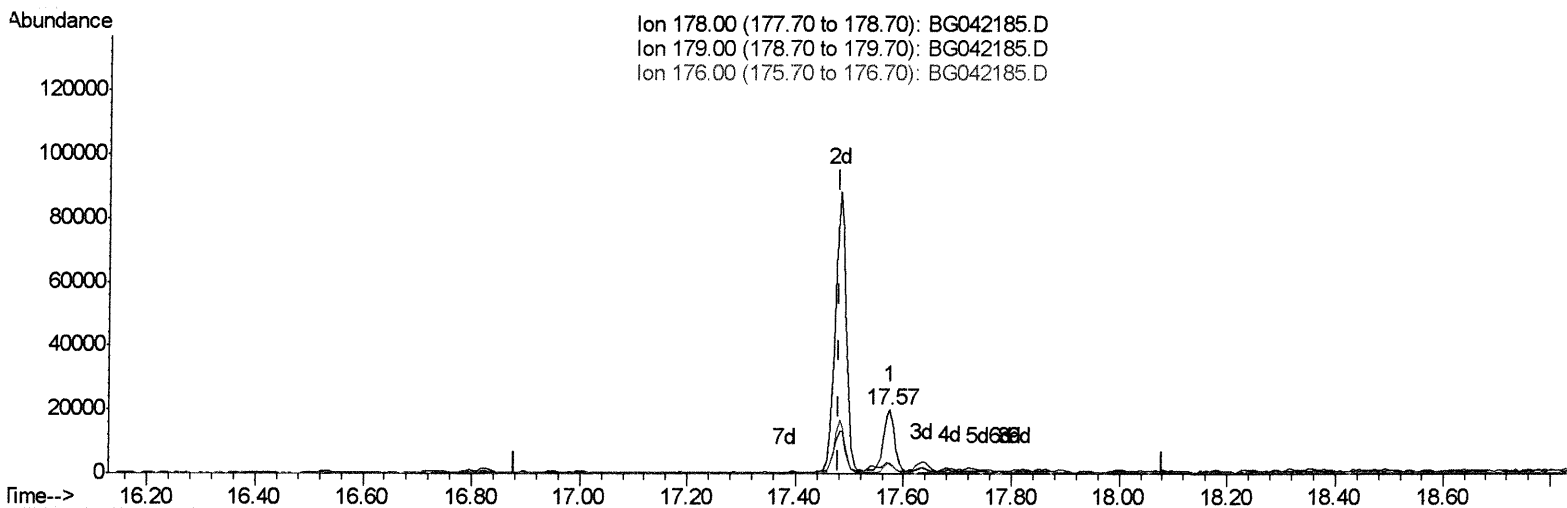
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081219\
 Data File : BG042185.D
 Acq On : 13 Aug 2019 17:50
 Operator : HP/JU
 Sample : K4215-11
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ET0C2

Manual Integrations
 APPROVED

mohammad
 8/20/2019 8:35:50 AM

Quant Time: Aug 14 05:37:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 14 02:56:59 2019
 Response via : Initial Calibration



(69) Phenanthrene

17.574min (+0.094) 1.29ng/ul

response 28163

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	16.06
176.00	19.30	18.91
0.00	0.00	0.00

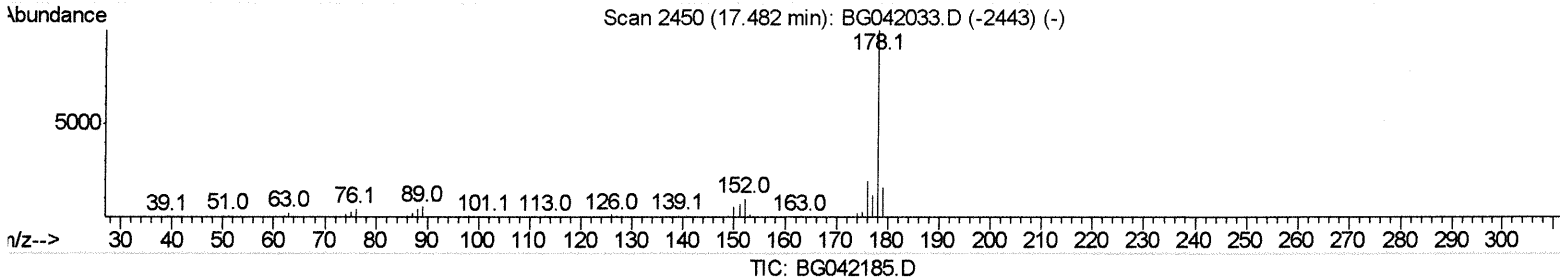
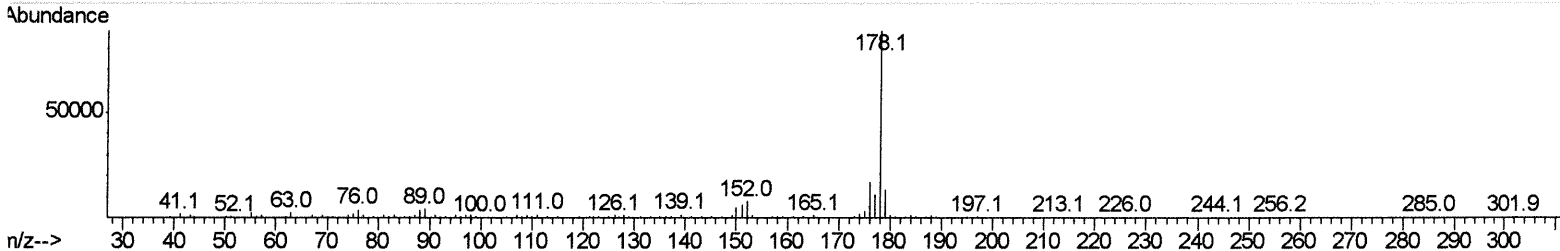
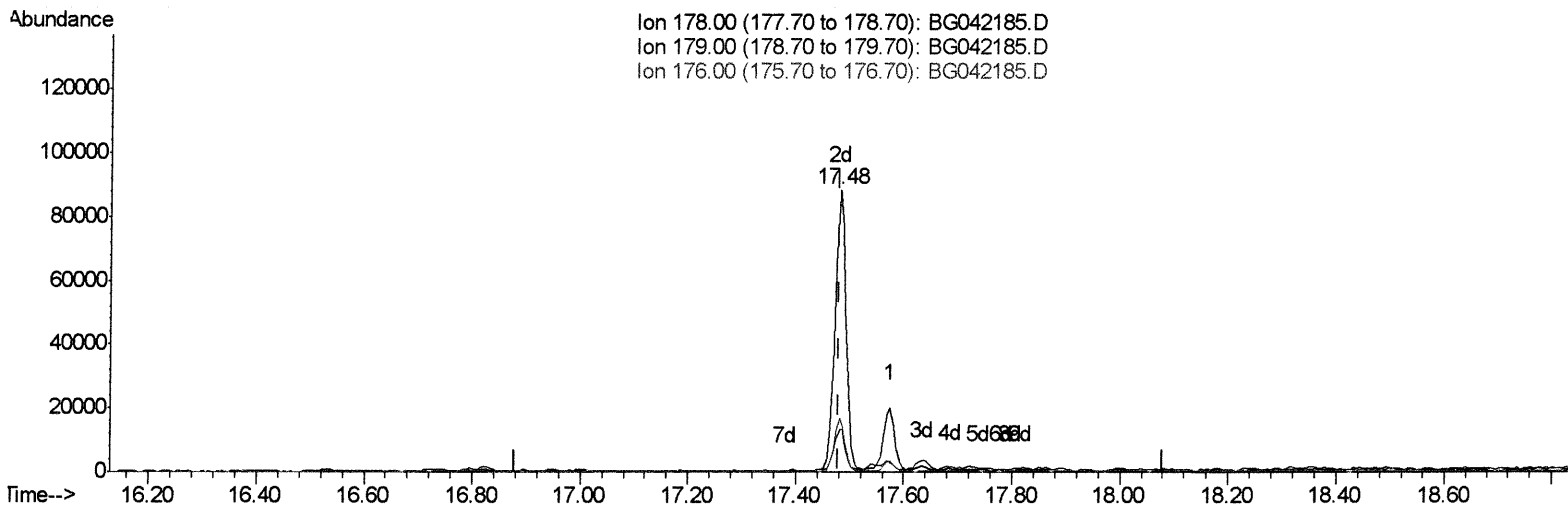
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081219\
 Data File : BG042185.D
 Acq On : 13 Aug 2019 17:50
 Operator : HP/JU
 Sample : K4215-11
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ET0C2

Manual Integrations
 APPROVED

mohammad
 8/20/2019 8:35:50 AM

Quant Time: Aug 14 05:37:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 14 02:56:59 2019
 Response via : Initial Calibration



(69) Phenanthrene

17.480min (-0.000) 5.95ng/ul m *JU 08/12/19*

response 130152

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	15.04
176.00	19.30	19.09
0.00	0.00	0.00

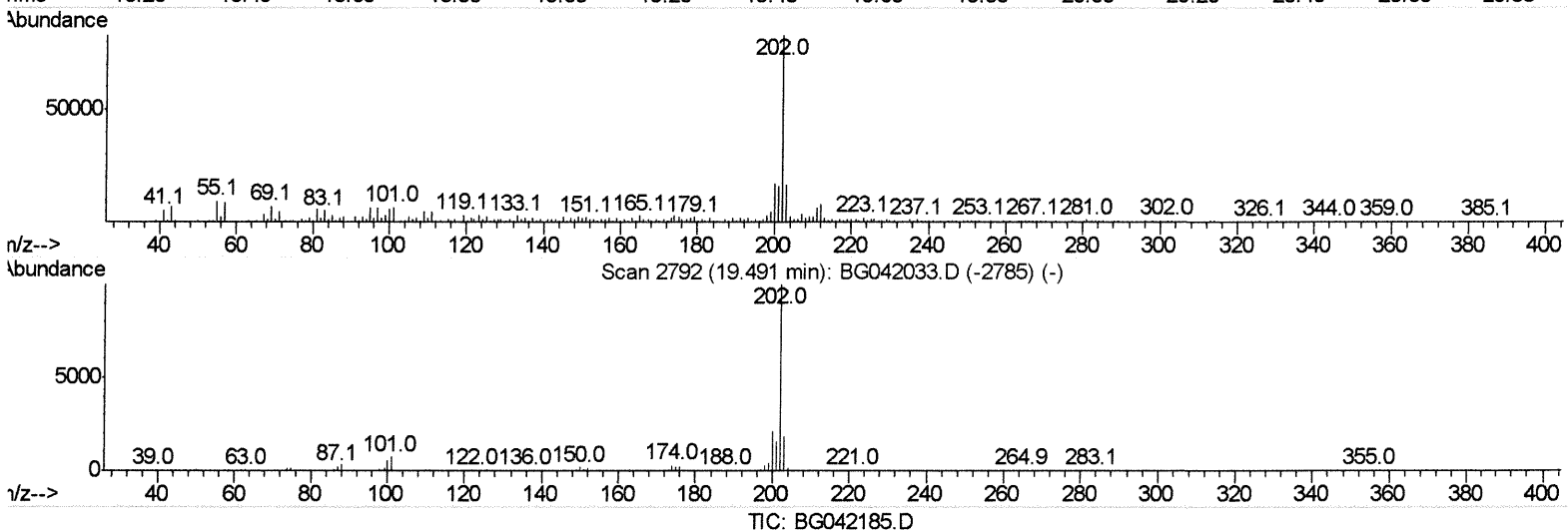
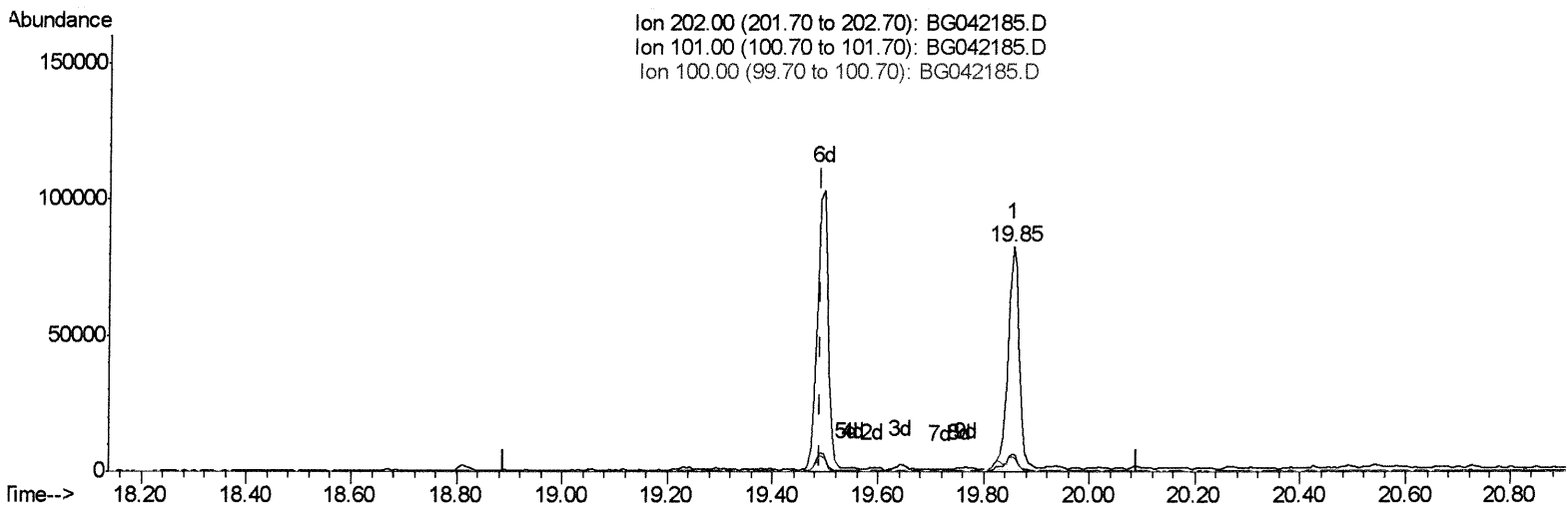
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 Data File : BG042185.D
 Acq On : 13 Aug 2019 17:50
 Operator : HP/JU
 Sample : K4215-11
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ETOC2

Manual Integrations
 APPROVED

mohammad
 8/20/2019 8:35:50 AM

Quant Time: Aug 14 05:37:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 14 02:56:59 2019
 Response via : Initial Calibration



(76) Fluoranthene (C)

19.853min (+0.364) 4.89ng/ul

response 123642

Ion	Exp%	Act%
202.00	100	100
101.00	8.40	7.90
100.00	6.60	7.05
0.00	0.00	0.00

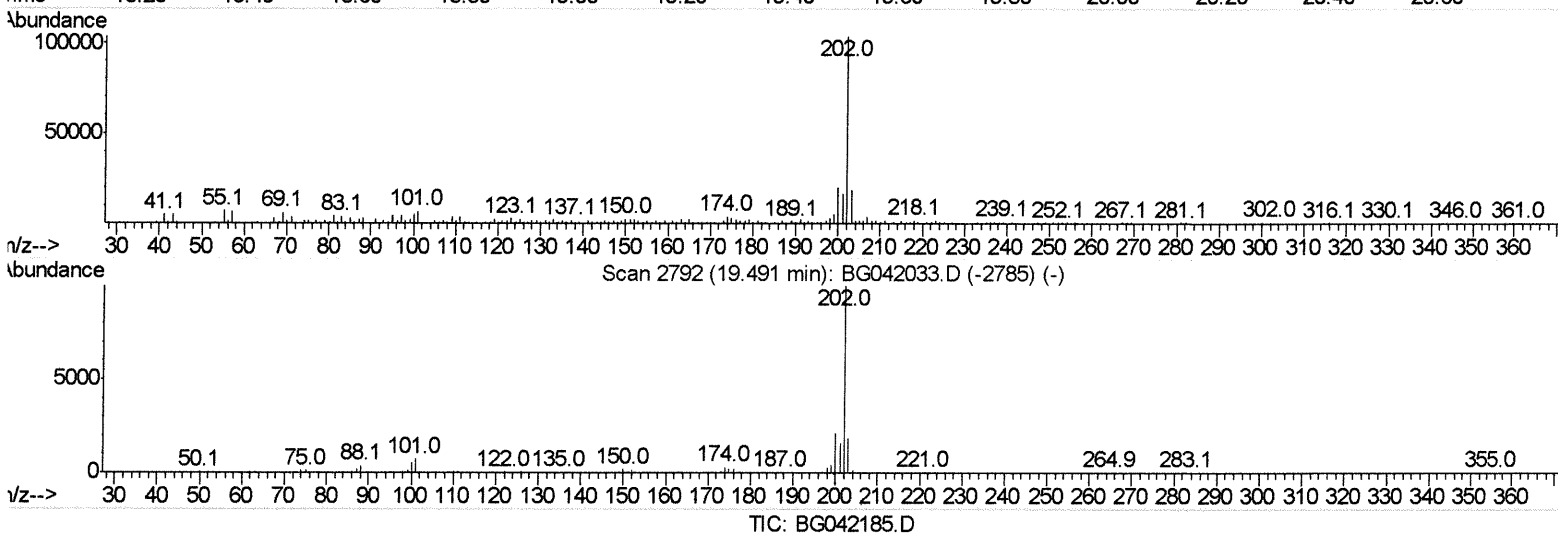
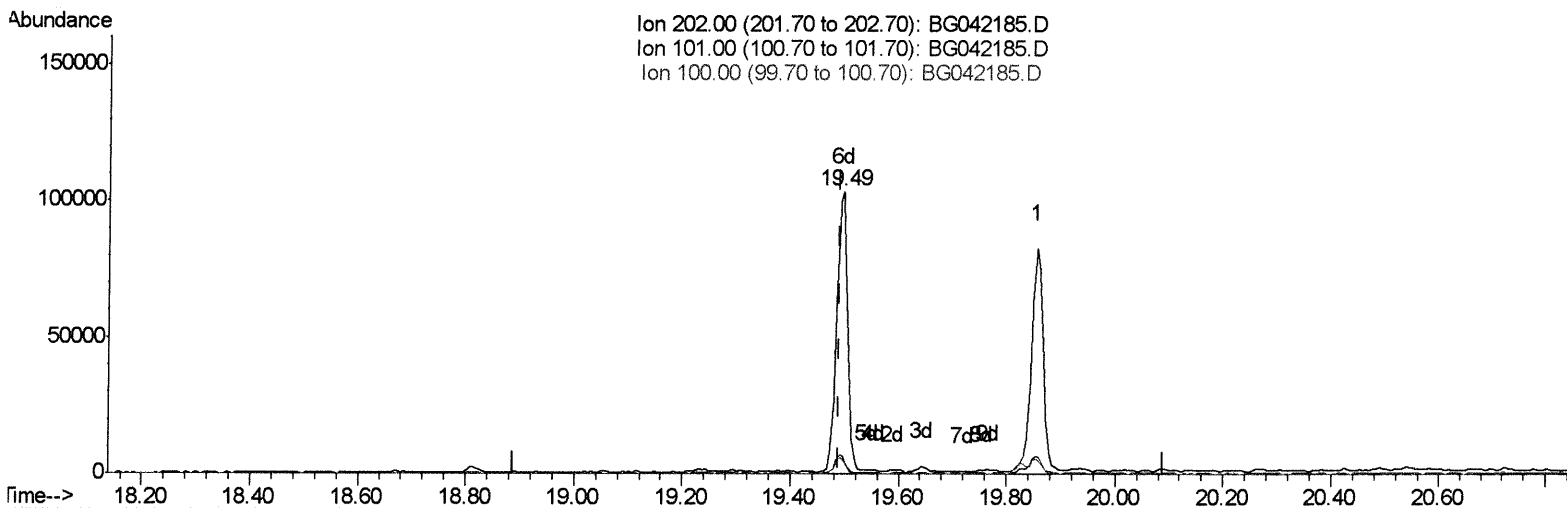
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081219\
 Data File : BG042185.D
 Acq On : 13 Aug 2019 17:50
 Operator : HP/JU
 Sample : K4215-11
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ET0C2

Manual Integrations
 APPROVED

mohammad
 8/20/2019 8:35:50 AM

Quant Time: Aug 14 05:37:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 14 02:56:59 2019
 Response via : Initial Calibration



(76) Fluoranthene (C)

19.495min (+0.006) 5.92ng/ul m *JU 08/14/19*

response 149777

Ion	Exp%	Act%
202.00	100	100
101.00	8.40	6.40#
100.00	6.60	5.16#
0.00	0.00	0.00

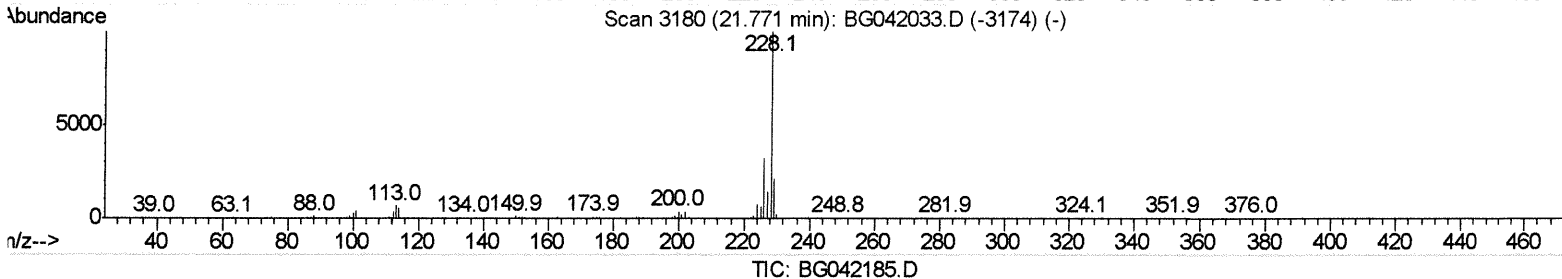
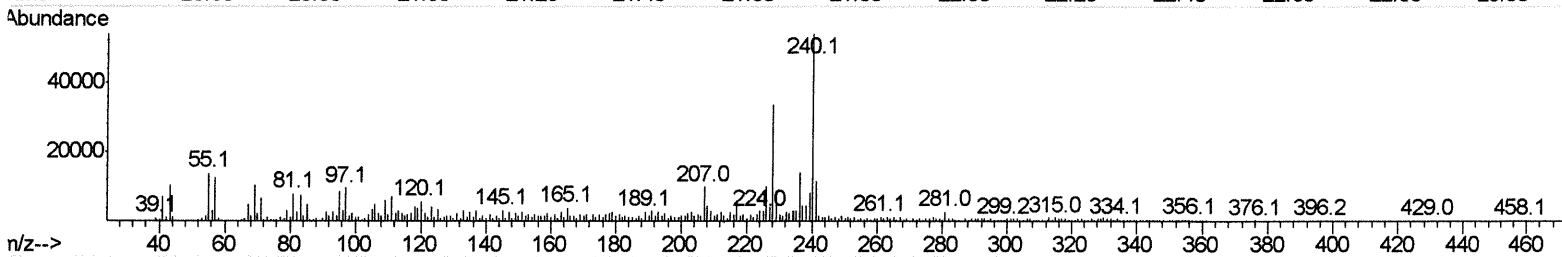
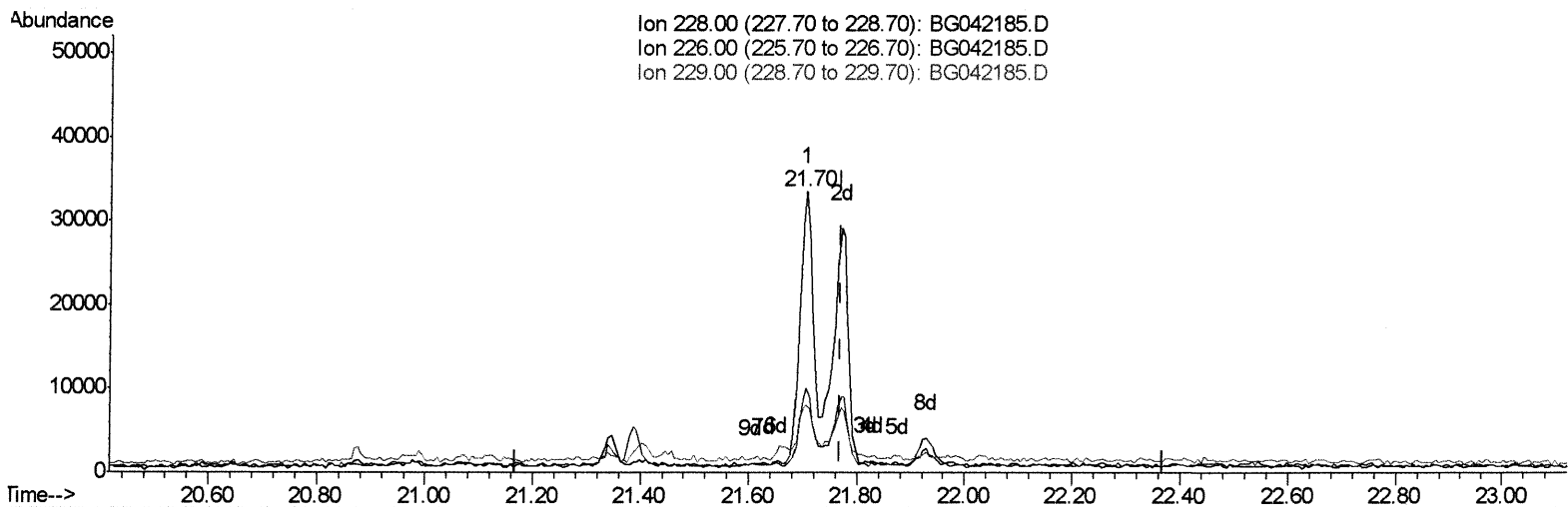
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081219\
 Data File : BG042185.D
 Acq On : 13 Aug 2019 17:50
 Operator : HP/JU
 Sample : K4215-11
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ET0C2

Manual Integrations
 APPROVED

mohammad
 8/20/2019 8:35:50 AM

Quant Time: Aug 14 05:37:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 14 02:56:59 2019
 Response via : Initial Calibration



(84) Chrysene

21.704min (-0.065) 2.19ng/ul

response 57823

Ion	Exp%	Act%
228.00	100	100
226.00	32.10	30.12
229.00	20.70	24.28
0.00	0.00	0.00

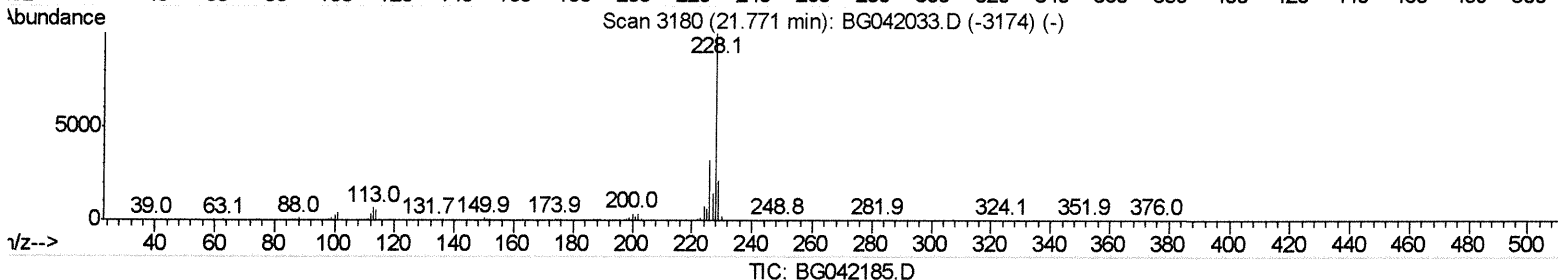
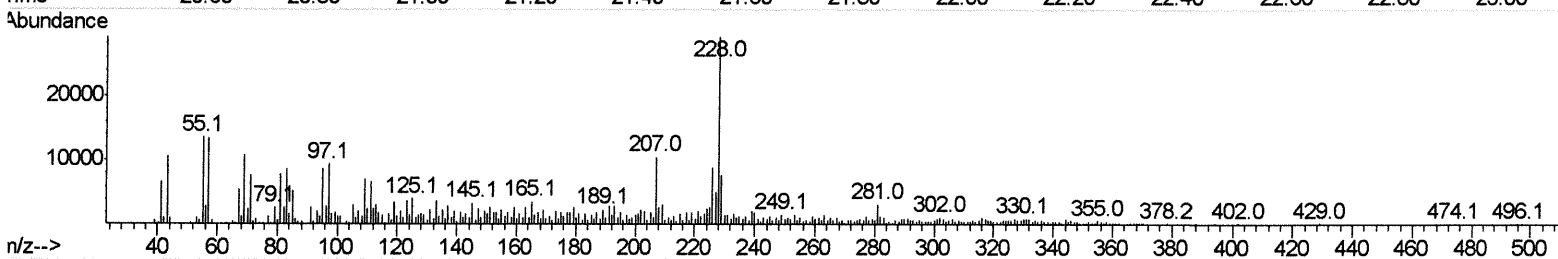
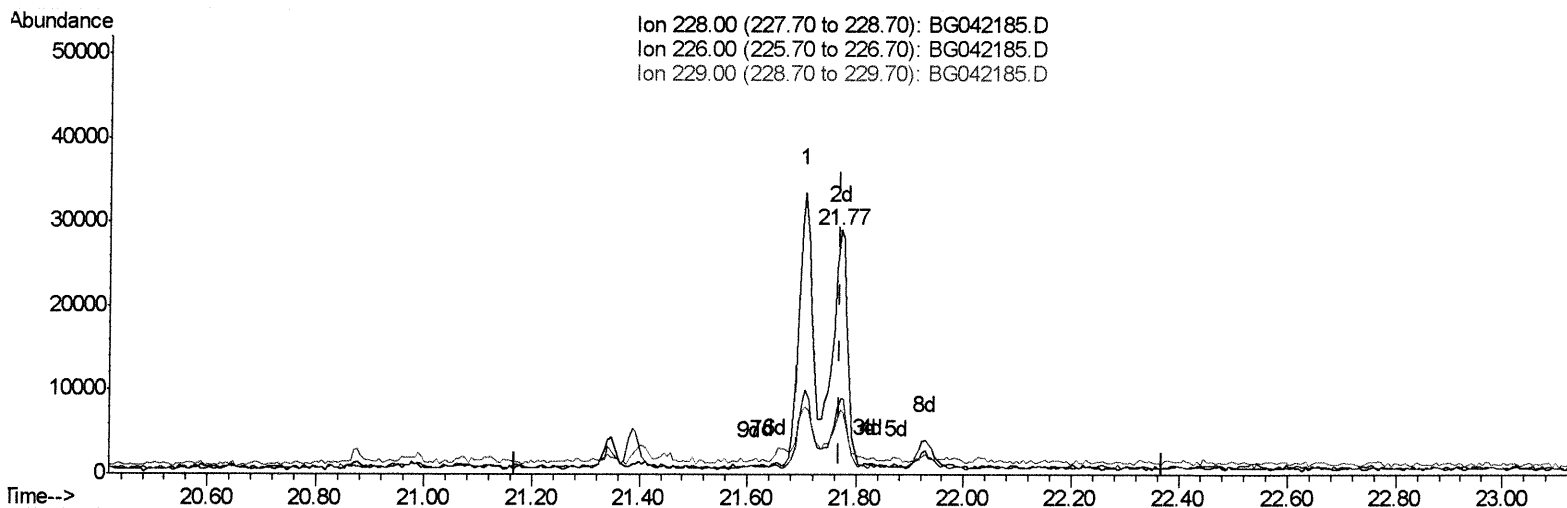
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 Data File : BG042185.D
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 Operator : HP/JU
 Sample : K4215-11
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

mohammad
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 QLast Update : Wed Aug 14 02:56:59 2019
 Response via : Initial Calibration



(84) Chrysene

21.769min (-0.000) 2.05ng/ul m *JU 08/14/19*

response 54233

Ion	Exp%	Act%
228.00	100	100
226.00	32.10	30.75
229.00	20.70	26.62#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081219\
 Data File : BG042185.D
 Acq On : 13 Aug 2019 17:50
 Operator : HP/JU
 Sample : K4215-11
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Manual Integrations
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mohammad
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	70423	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	290272	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	195647	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	399702m	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	408012	20.00	ng/ul	0.00
85) Perylene-d12	25.00	264	489397	20.00	ng/ul	0.01

JU 08/14/19

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	4204	2.61	ng/uL	0.00
5) Phenol-d5	7.18	99	103545	18.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	53543	17.32	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	98347	20.81	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	77871	16.78	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	47295	21.65	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	58909	23.22	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	110344	21.54	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	118572	20.86	ng/ul	0.00
43) Dimethylphthalate-d6	14.08	166	347222	22.88	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	406809	23.47	ng/ul	0.00
51) 4-Nitrophenol-d4	14.89	143	30496	11.97	ng/ul	0.00
57) Fluorene-d10	15.68	176	318186	23.57	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	23393m	9.12	ng/ul	0.00
70) Anthracene-d10	17.54	188	503374	26.25	ng/ul	0.00
78) Pyrene-d10	19.83	212	570229	25.04	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.77	264	680687	26.62	ng/ul	0.00

JU 08/14/19

Target Compounds

					Ovalue
6) Phenol	7.21	94	10394	1.822	ng/ul 98
28) Naphthalene	10.90	128	37752	2.544	ng/ul 98
34) 2-Methylnaphthalene	12.51	142	46646	3.955	ng/ul 96
44) Dimethylphthalate	14.13	163	87700	5.821	ng/ul 98
49) Acenaphthene	14.75	153	16744	1.369	ng/ul 97
58) Fluorene	15.73	166	22981	1.563	ng/ul 97
69) Phenanthrene	17.48	178	130152m	5.948	ng/ul > JU 08/14/19
71) Anthracene	17.57	178	28188	1.270	ng/ul 99
76) Fluoranthene	19.49	202	149777m	5.924	ng/ul > JU 08/14/19
79) Pyrene	19.85	202	123642	4.505	ng/ul 96
82) Benzo(a)anthracene	21.70	228	57775	2.042	ng/ul 96
84) Chrysene	21.77	228	54233m	2.054	ng/ul > JU 08/14/19
87) Benzo(b)fluoranthene	23.96	252	64200	2.090	ng/ul# 85
90) Benzo(a)pyrene	24.84	252	48041	1.642	ng/ul# 87

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