

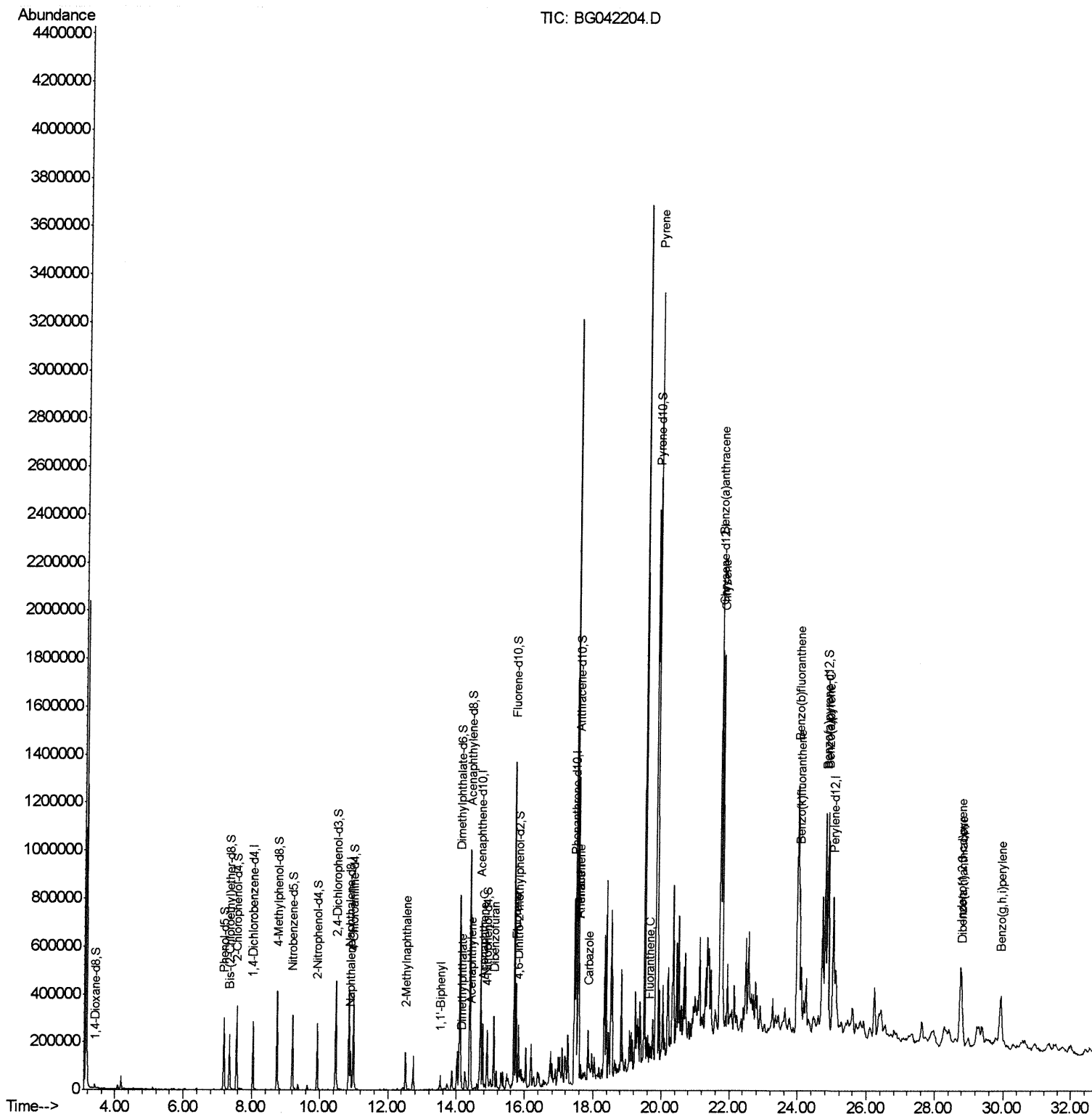
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG081319\
 Data File : BG042204.D
 Acq On : 14 Aug 2019 10:37
 Operator : HP/JU
 Sample : K4304-10
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB5P1

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:11:48 PM

Quant Time: Aug 14 12:08:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 14 10:42:59 2019
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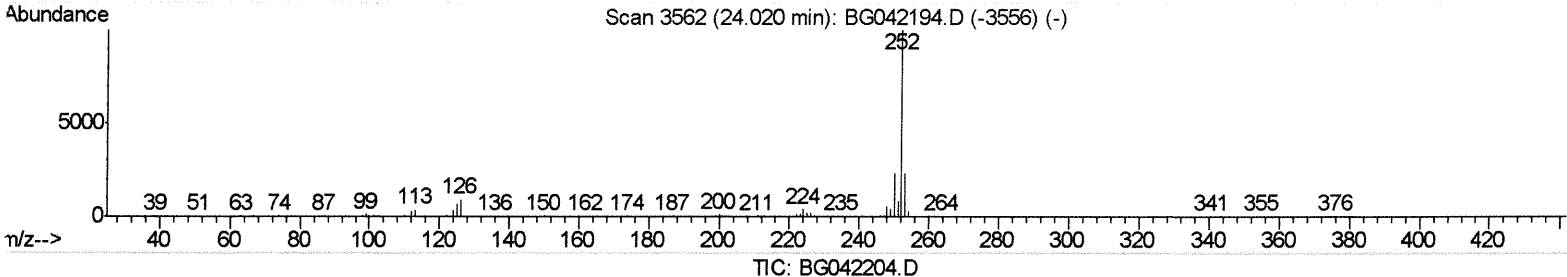
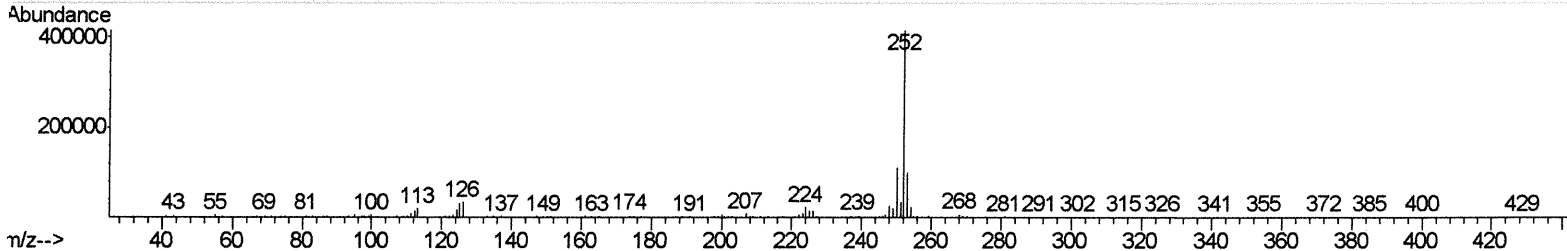
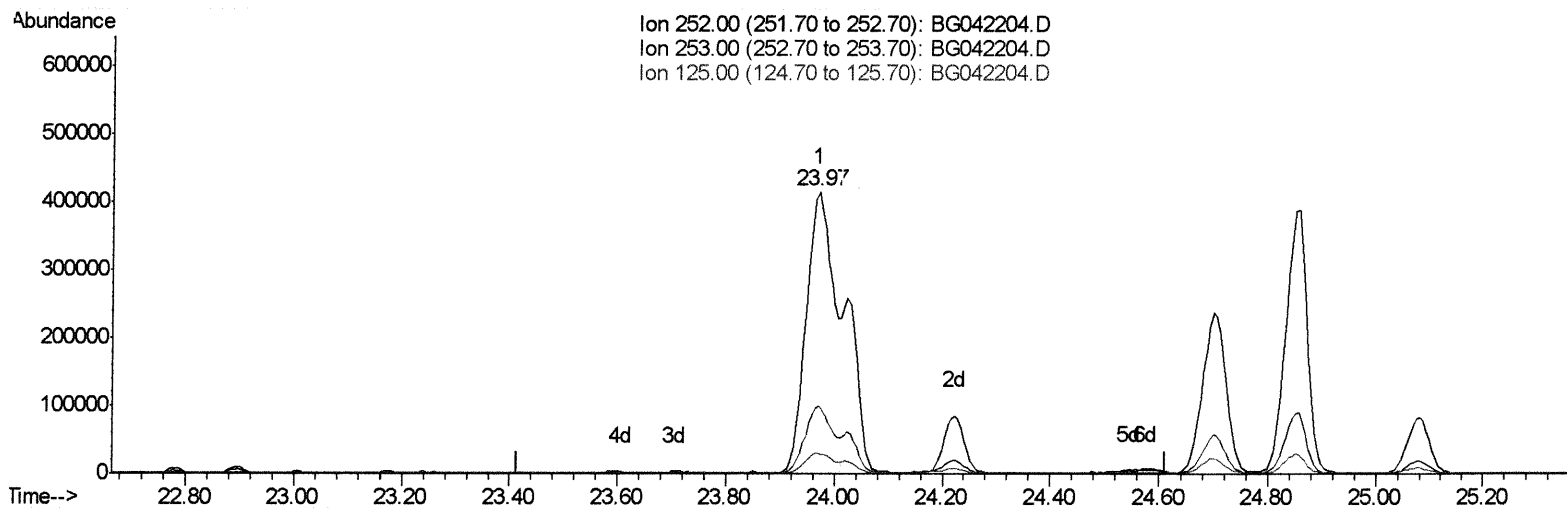
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Quant Time: Aug 14 11:54:06 2019
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(88) Benzo(k)fluoranthene

23.969min (-0.044) 38.09ng/ul

response 1484016

Ion	Exp%	Act%
252.00	100	100
253.00	22.90	23.90
125.00	6.90	7.42
0.00	0.00	0.00

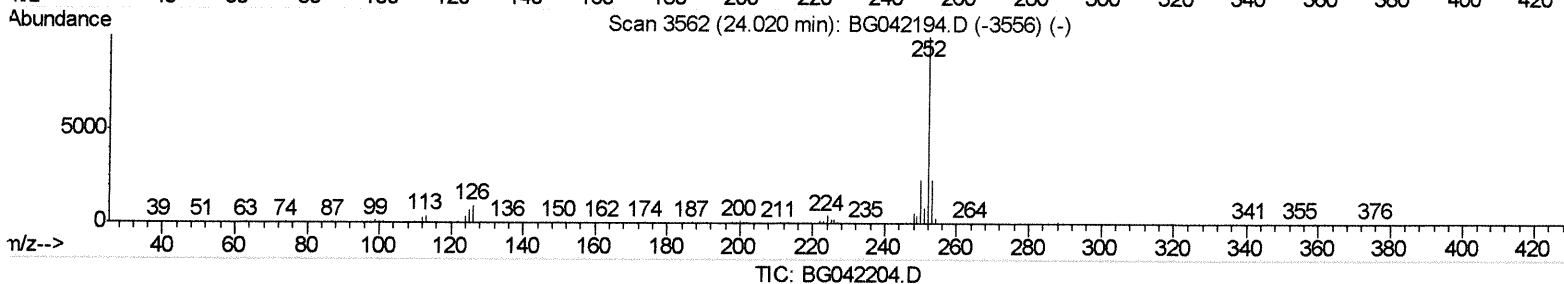
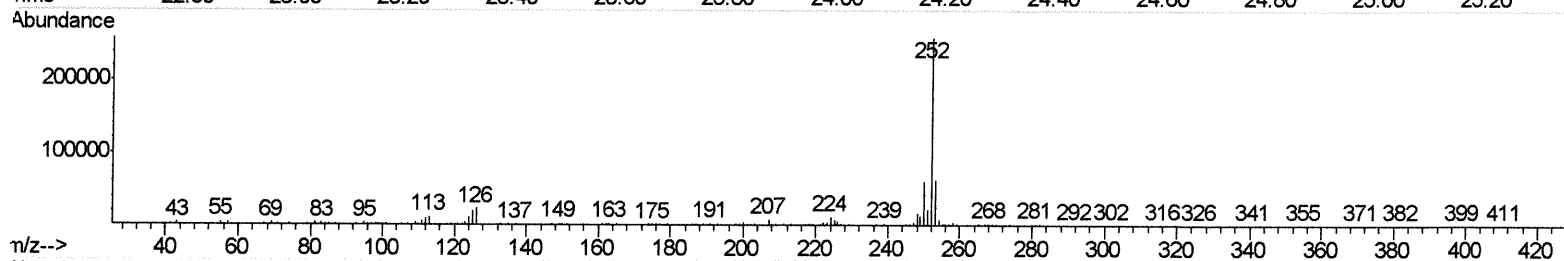
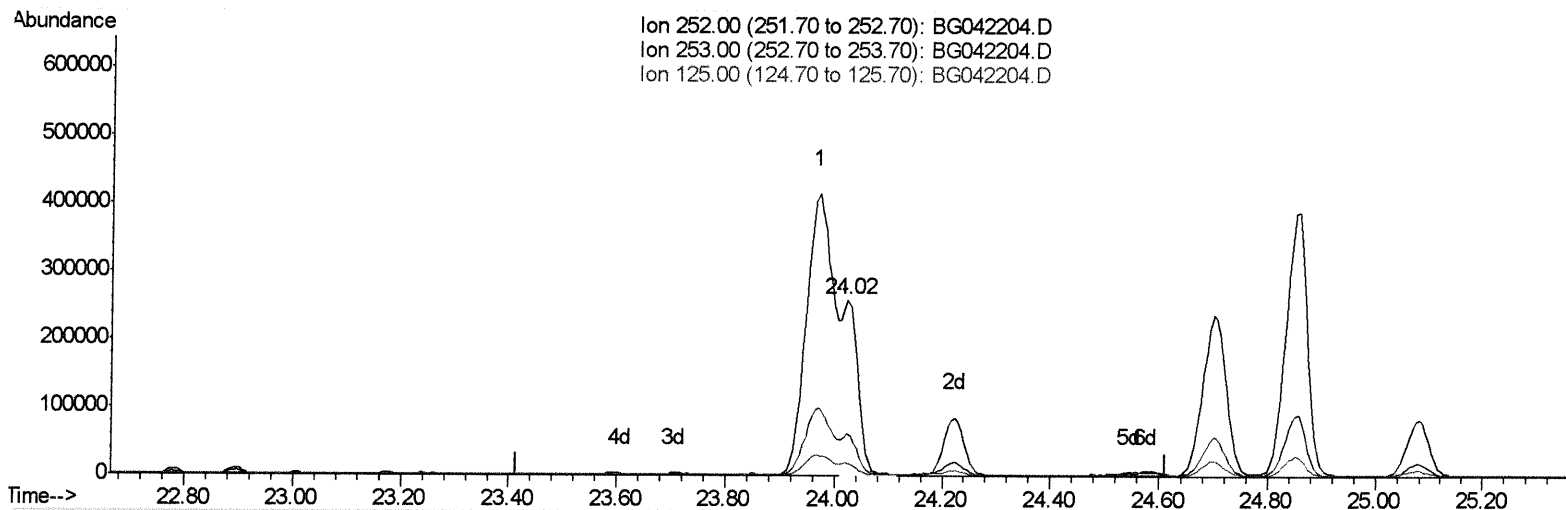
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(88) Benzo(k)fluoranthene

24.022min (+0.009) 12.61ng/ul m

JU
 08/15/19

response 491476

Ion	Exp%	Act%
252.00	100	100
253.00	22.90	23.97
125.00	6.90	7.42
0.00	0.00	0.00

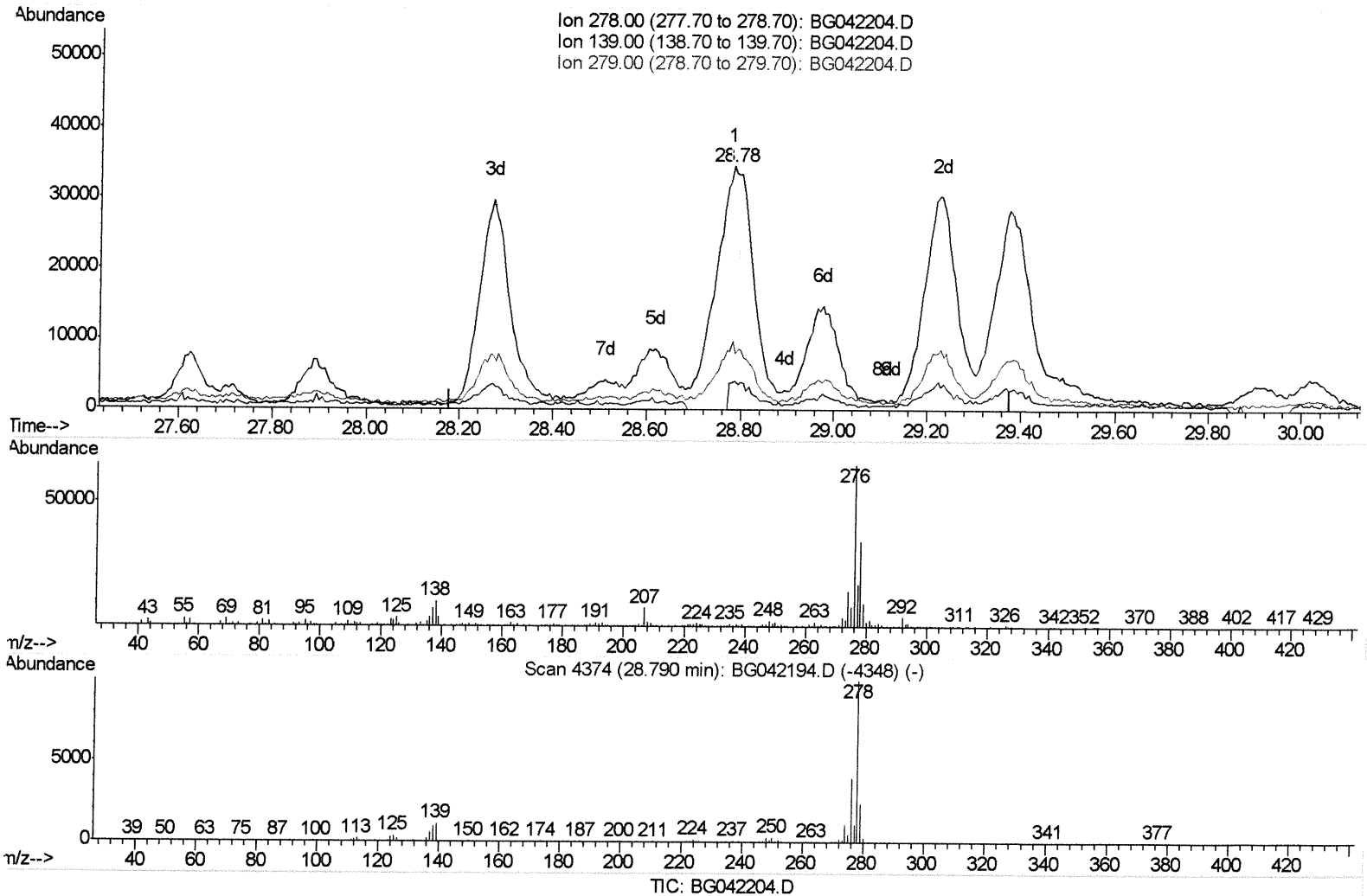
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Manual Integrations
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mohammad
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Quant Time: Aug 14 12:03:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 14 10:42:59 2019
 Response via : Initial Calibration



(92) Dibenzo(a,h)anthracene

28.781min (+0.003) 2.78ng/ul

response 101981

Ion	Exp%	Act%
278.00	100	100
139.00	11.70	11.25
279.00	24.00	28.11
0.00	0.00	0.00

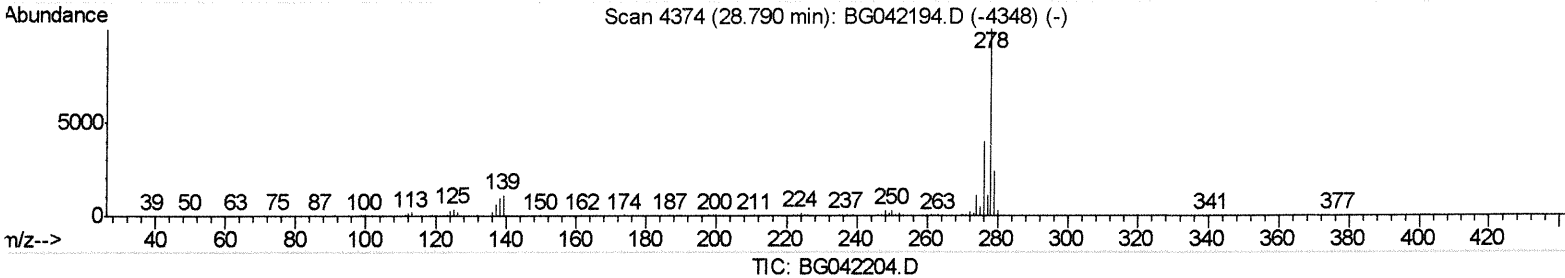
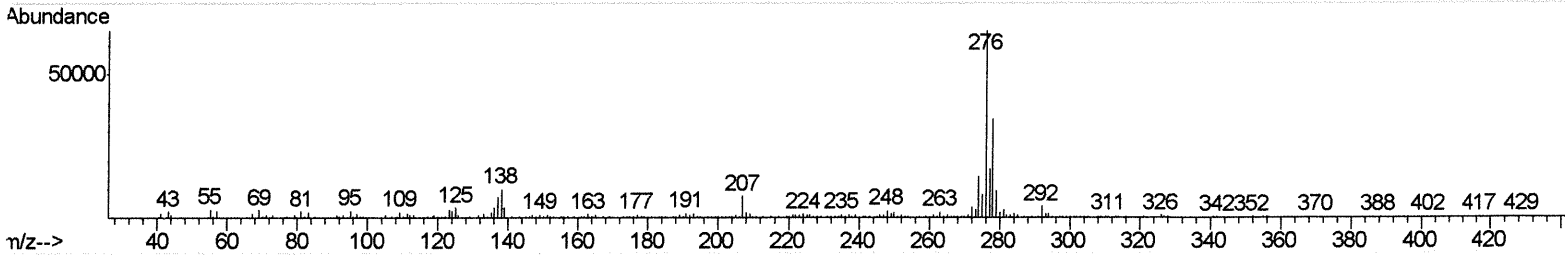
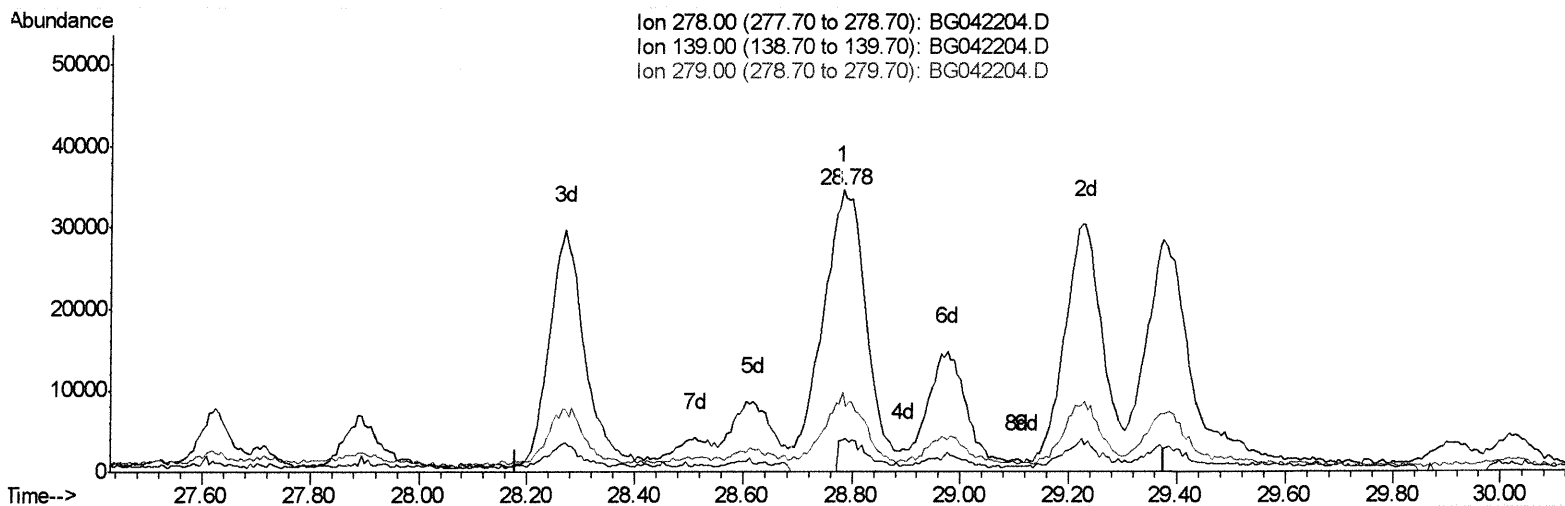
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 Operator : HP/JU
 Sample : K4304-10
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 CB5P1

Manual Integrations
 APPROVED

mohammad
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Quant Time: Aug 14 12:03:02 2019
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 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 14 10:42:59 2019
 Response via : Initial Calibration



(92) Dibenzo(a,h)anthracene

28.781min (+0.003) 4.51ng/ul m *JU 08/15/19*

response 165673

Ion	Exp%	Act%
278.00	100	100
139.00	11.70	11.25
279.00	24.00	28.11
0.00	0.00	0.00

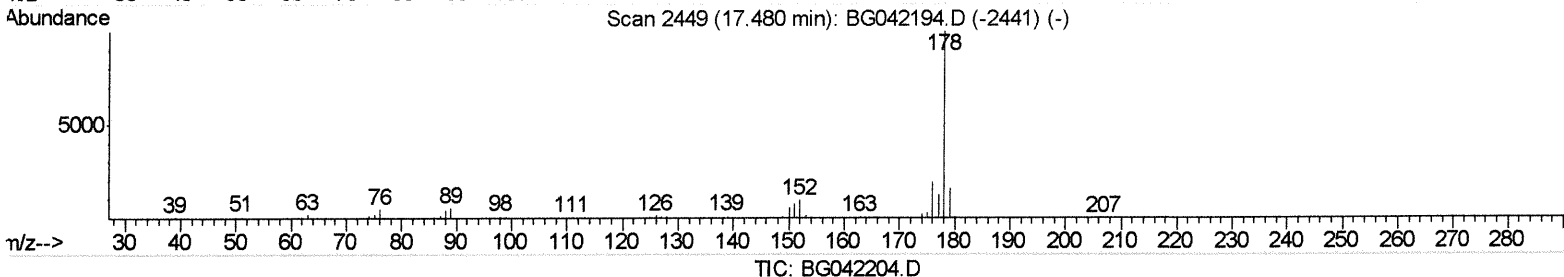
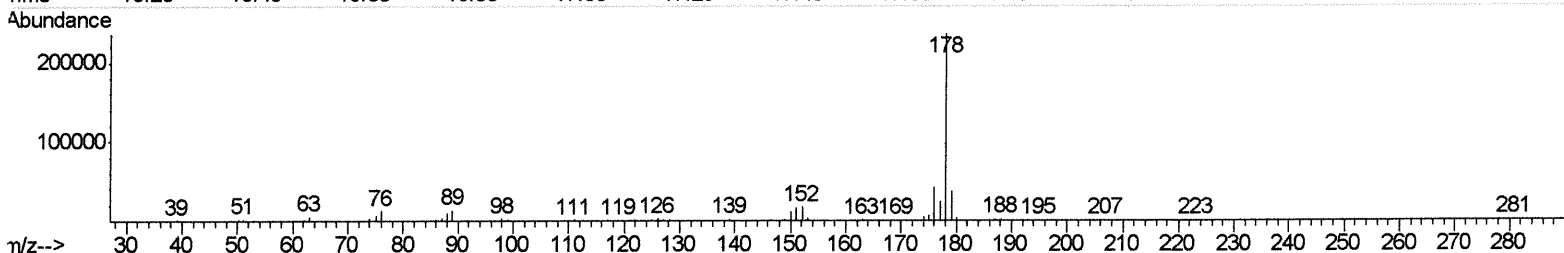
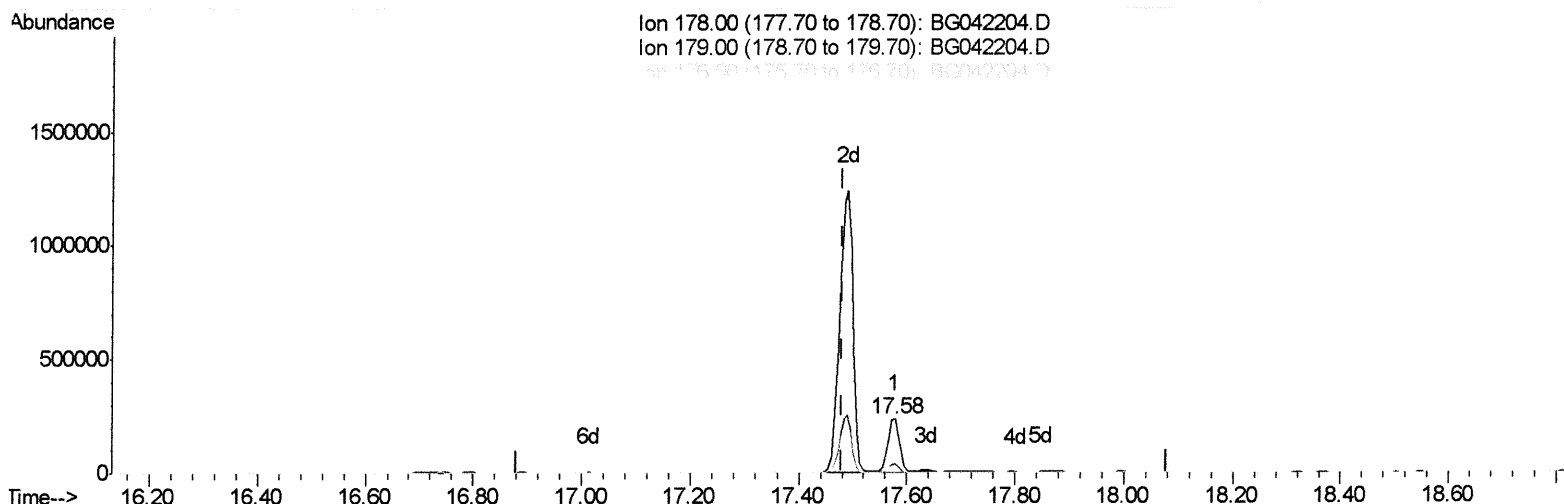
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Manual Integrations
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(69) Phenanthrene

17.577min (+0.097) 11.79ng/ul

response 350557

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	15.96
176.00	19.30	18.21
0.00	0.00	0.00

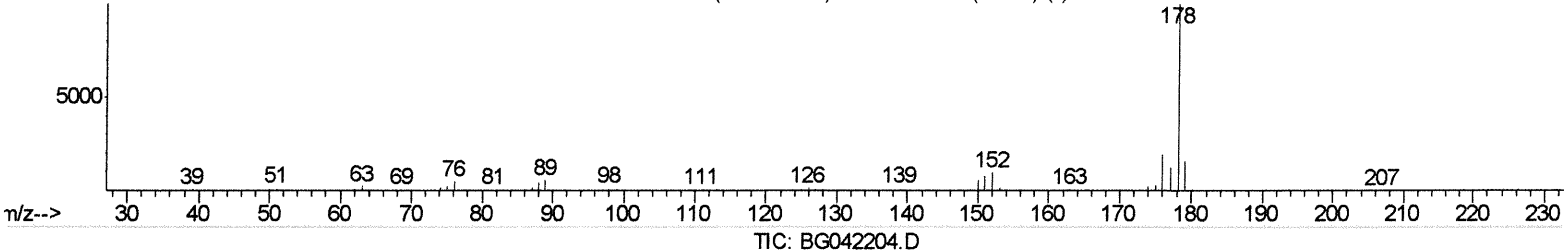
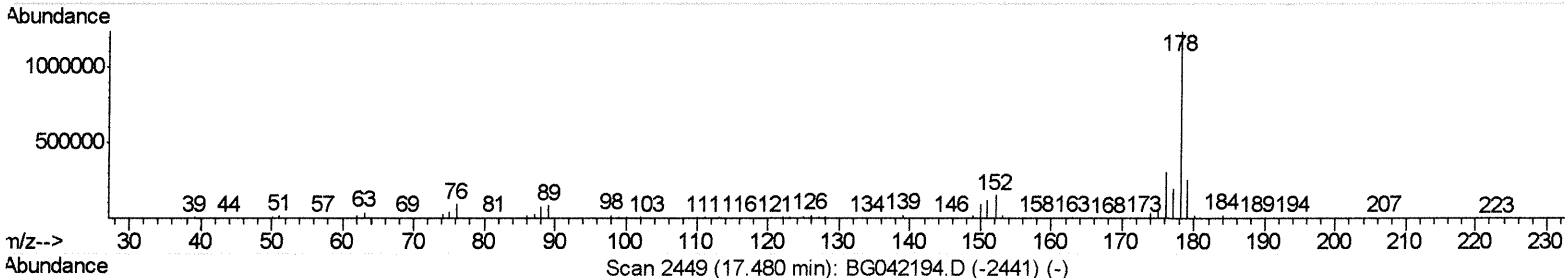
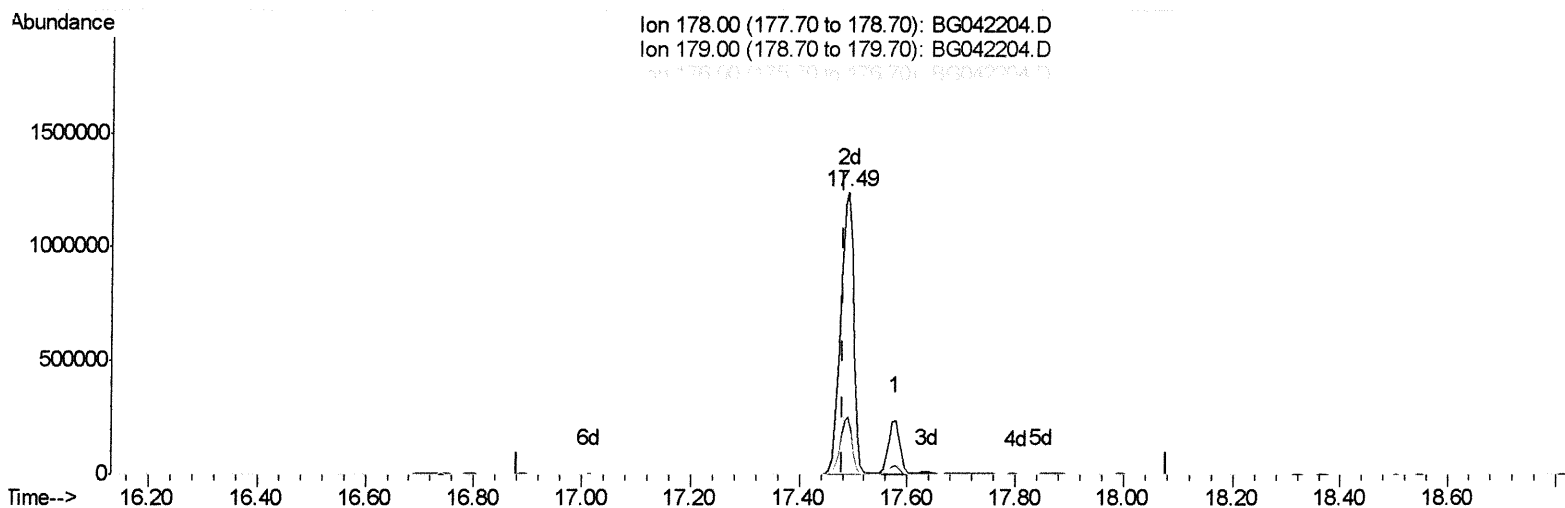
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081319\
 Data File : BG042204.D
 Acq On : 14 Aug 2019 10:37
 Operator : HP/JU
 Sample : K4304-10
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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Manual Integrations
 APPROVED

mohammad
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 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration



(69) Phenanthrene

17.489min (+0.009) 69.68ng/ul m 08/15/19

response 2071440

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	20.42#
176.00	19.30	24.42#
0.00	0.00	0.00

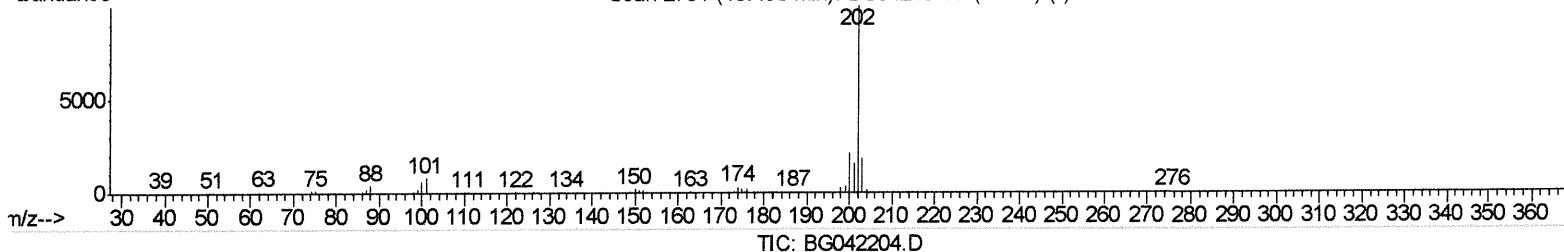
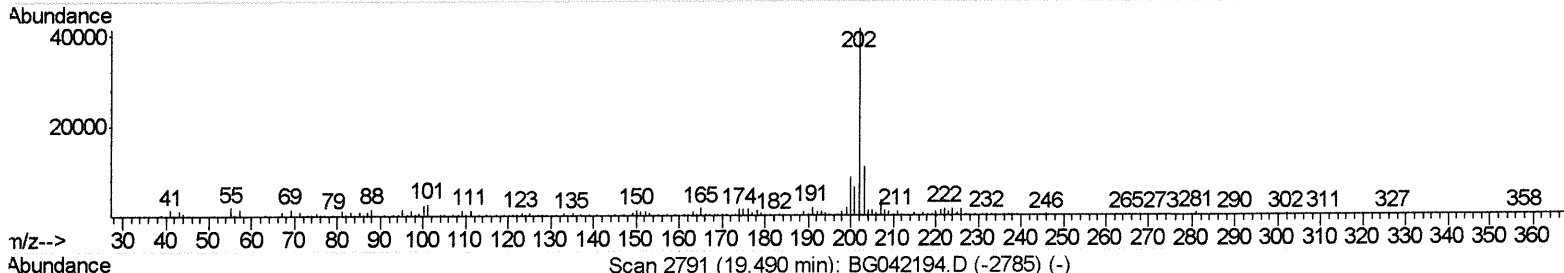
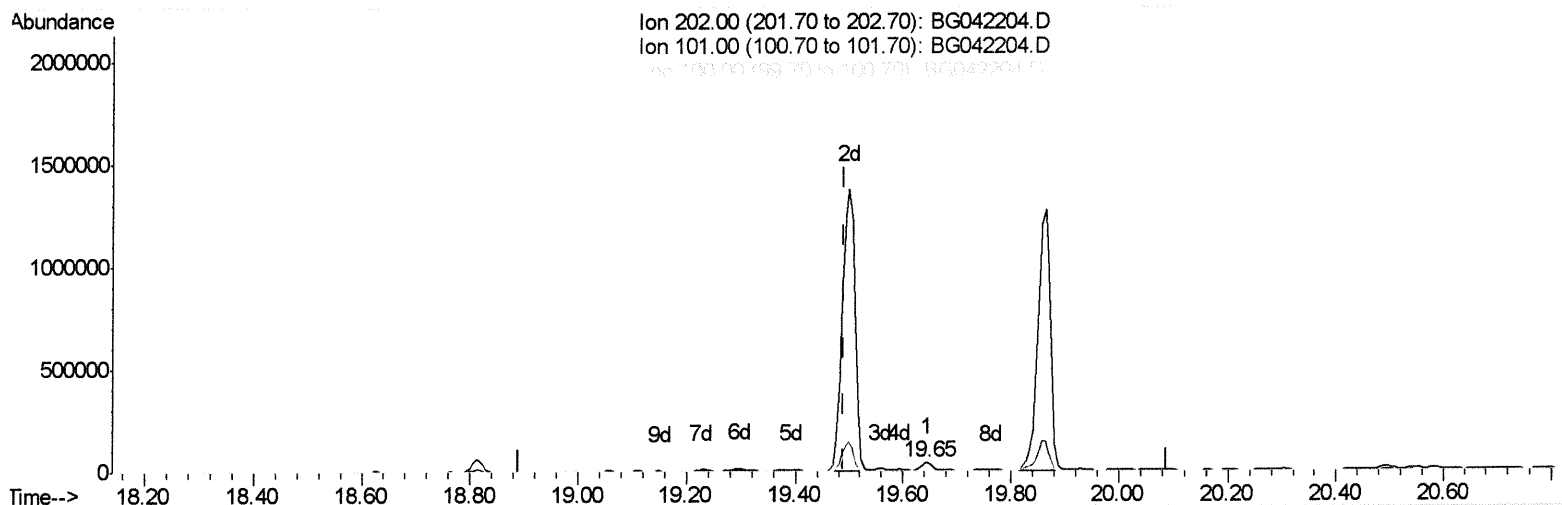
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 Operator : HP/JU
 Sample : K4304-10
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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Manual Integrations
 APPROVED

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 Response via : Initial Calibration



(76) Fluoranthene (C)

19.645min (+0.156) 1.54ng/ul

response 52953

Ion	Exp%	Act%
202.00	100	100
101.00	8.40	6.78
100.00	6.60	5.58
0.00	0.00	0.00

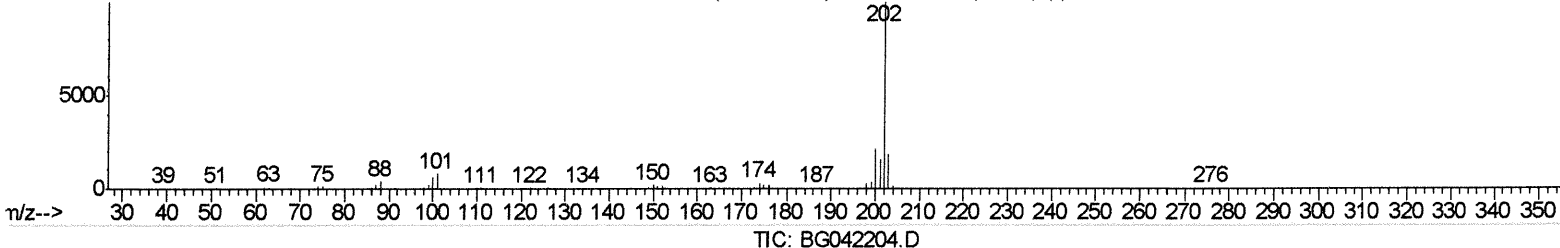
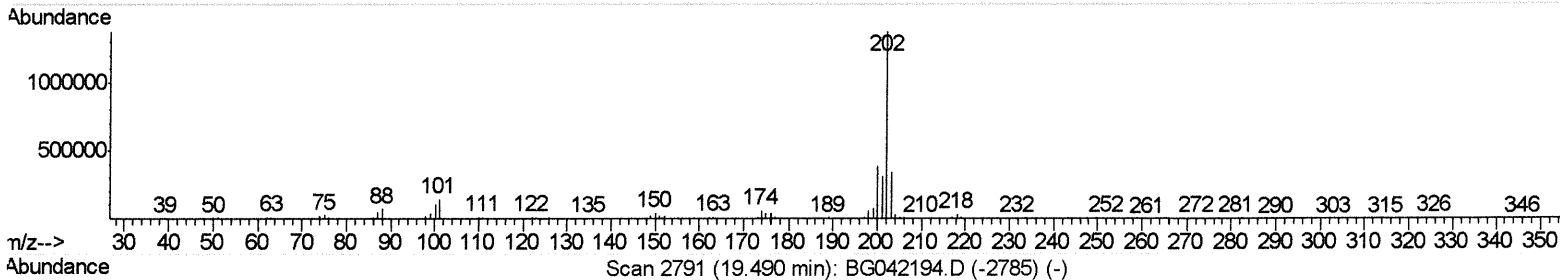
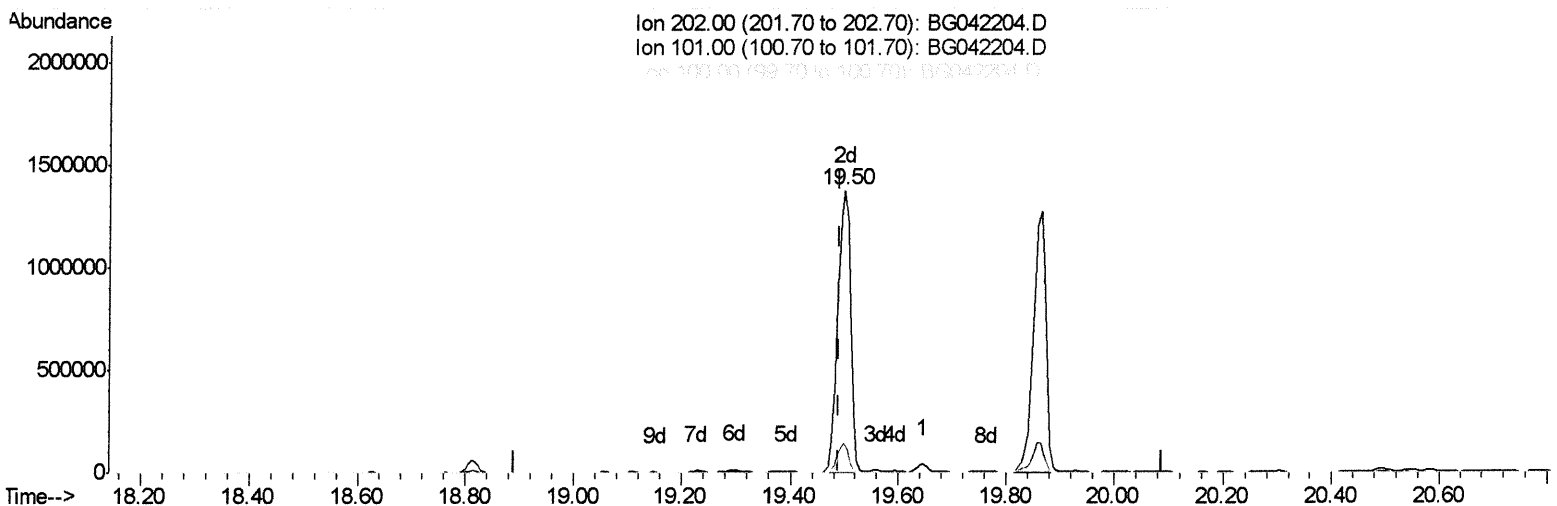
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 Operator : HP/JU
 Sample : K4304-10
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

mohammad
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 QLast Update : Wed Aug 14 10:42:59 2019
 Response via : Initial Calibration



(76) Fluoranthene (C)

19.498min (+0.009) 66.47ng/ul m 0 8/15/19

response 2283335

Ion	Exp%	Act%
202.00	100	100
101.00	8.40	10.35#
100.00	6.60	7.90
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081319\
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 Acq On : 14 Aug 2019 10:37
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 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
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 ClientSampled :
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Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:11:48 PM

Quant Time: Aug 14 17:18:49 2019
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 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	95831	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	397829	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	268765	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	543041	20.00	ng/ul	0.00
77) Chrysene-d12	21.73	240	527988	20.00	ng/ul	0.00
85) Perylene-d12	25.00	264	645712	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	9178	4.19	ng/uL	0.00
5) Phenol-d5	7.18	99	213803	28.43	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	107684	25.60	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	196248	30.52	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	184310	29.19	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	99427	33.20	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	124672	35.86	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	224025	31.91	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	259637	33.33	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	647478	31.06	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	771567	32.40	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	92444	26.41	ng/ul	0.00
57) Fluorene-d10	15.68	176	577845	31.16	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	88024	25.26	ng/ul	0.00
70) Anthracene-d10	17.54	188	828684	31.81	ng/ul	0.00
78) Pyrene-d10	19.83	212	934303	31.71	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.78	264	1104874	32.75	ng/ul	0.01

Target Compounds

					Qvalue
28) Naphthalene	10.90	128	145590	7.158 ng/ul	99
34) 2-Methylnaphthalene	12.51	142	88450	5.472 ng/ul	97
40) 1,1'-Biphenyl	13.52	154	32720	1.674 ng/ul	97
44) Dimethylphthalate	14.13	163	36182	1.748 ng/ul	98
47) Acenaphthylene	14.41	152	78785	3.278 ng/ul#	95
49) Acenaphthene	14.75	153	120064	7.145 ng/ul	100
53) Dibenzofuran	15.09	168	183142	7.302 ng/ul	97
58) Fluorene	15.74	166	205864	10.191 ng/ul	99
69) Phenanthrene	17.49	178	2071440m →	69.678 ng/ul	70 08/15/19
71) Anthracene	17.58	178	350557	11.626 ng/ul	98
74) Carbazole	17.84	167	143007	5.726 ng/ul	99
76) Fluoranthene	19.50	202	2283335m →	66.474 ng/ul	70 08/15/19
79) Pyrene	19.86	202	2059772	57.996 ng/ul	96
82) Benzo(a)anthracene	21.71	228	1143010	31.223 ng/ul	97
84) Chrysene	21.77	228	1218241	35.655 ng/ul	98
87) Benzo(b)fluoranthene	23.97	252	1484016	36.623 ng/ul	99
88) Benzo(k)fluoranthene	24.02	252	491476m →	12.614 ng/ul	70 08/15/19
90) Benzo(a)pyrene	24.86	252	1057596	27.389 ng/ul	99
91) Indeno(1,2,3-cd)pyrene	28.75	276	621052	13.789 ng/ul	98
92) Dibenzo(a,h)anthracene	28.78	278	165673m →	4.510 ng/ul	70 08/15/19
93) Benzo(g,h,i)perylene	29.91	276	516350	13.732 ng/ul	98

Quantitation Report (EPA REVIEWED)
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QLast Update : Wed Aug 14 10:42:59 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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