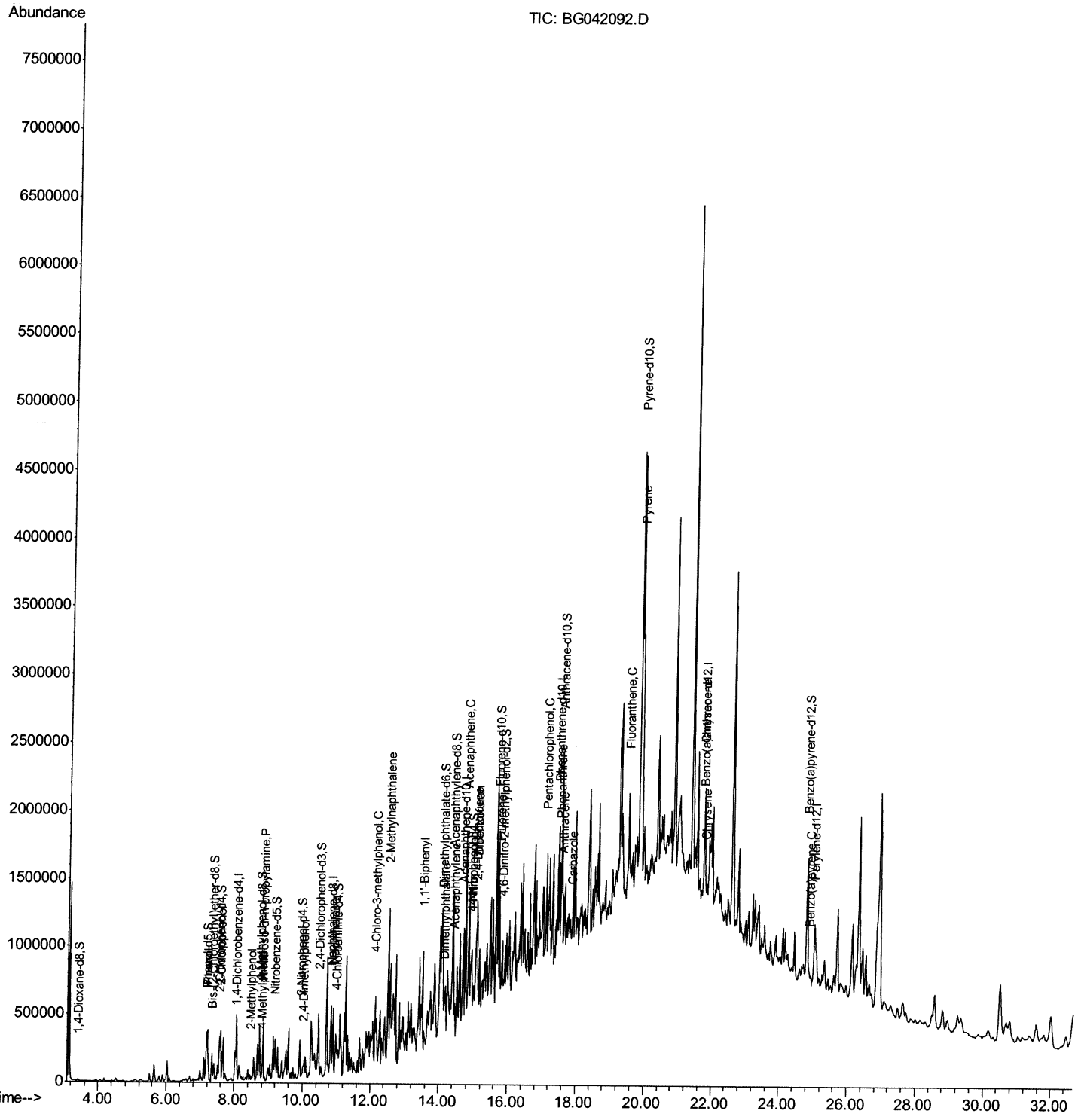
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\
Data File : BG042092.D
Acq On : 9 Aug 2019 8:14
Operator : HP/JU
Sample : K4147-03MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 10 21:51:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 09 16:22:05 2019
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0AM5MS

Manual Integrations APPROVED
Sohil
8/13/2019 8:16:28 AM



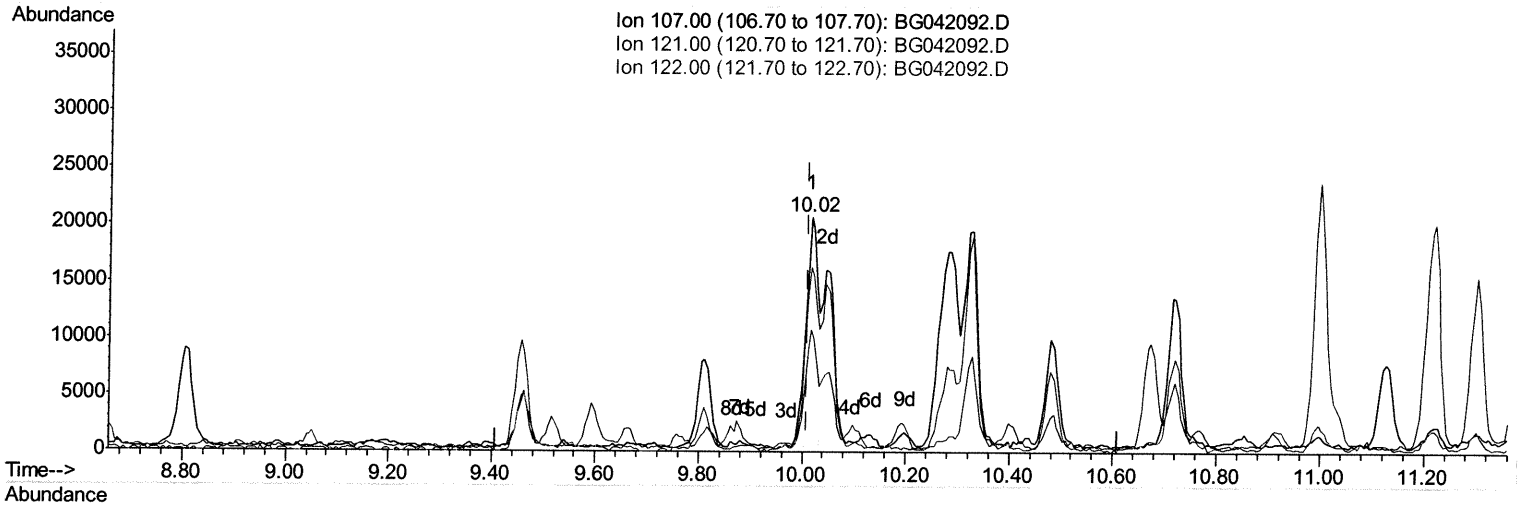
Quantitation Report (Qedit)

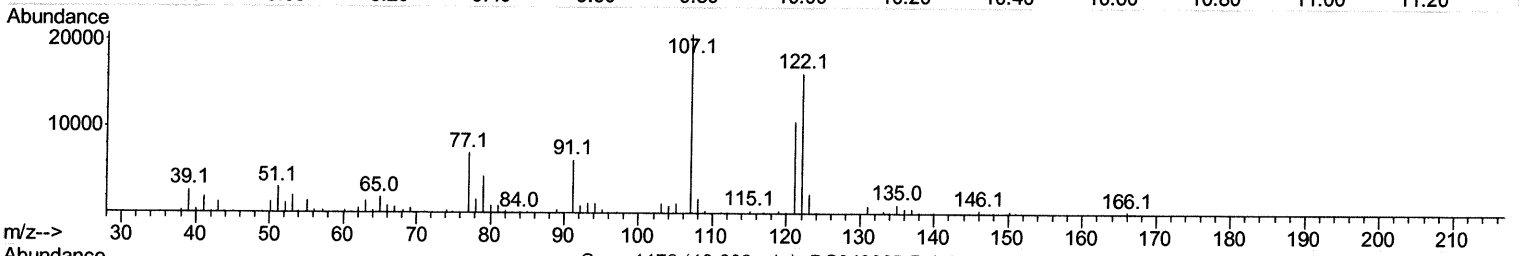
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\
Data File : BG042092.D
Acq On : 9 Aug 2019 8:14
Operator : HP/JU
Sample : K4147-03MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

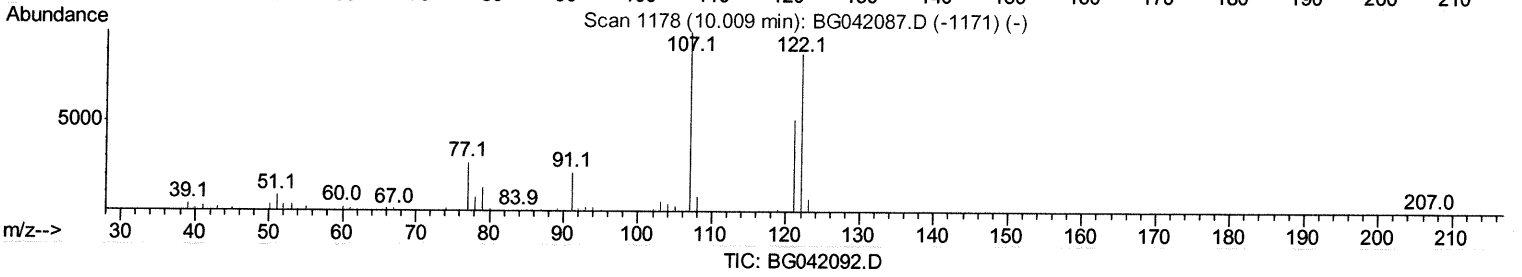
Quant Time: Aug 09 16:25:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 09 16:22:05 2019
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0AM5MS

Manual Integrations APPROVED
Sohil
8/13/2019 8:16:28 AM







TIC: BG042092.D

(24) 2,4-Dimethylphenol

10.015min (+0.006) 6.44ng/ul

response 34978

Ion	Exp%	Act%
107.00	100	100
121.00	56.30	51.91
122.00	85.10	78.50
0.00	0.00	0.00

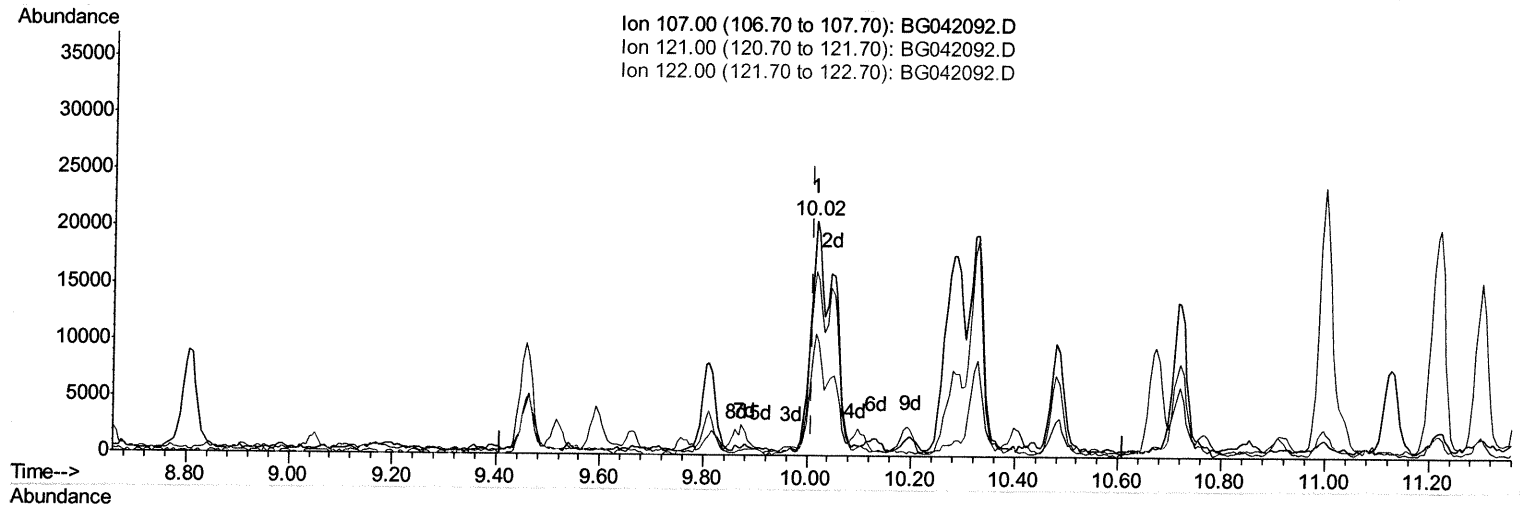
Quantitation Report (Qedit)

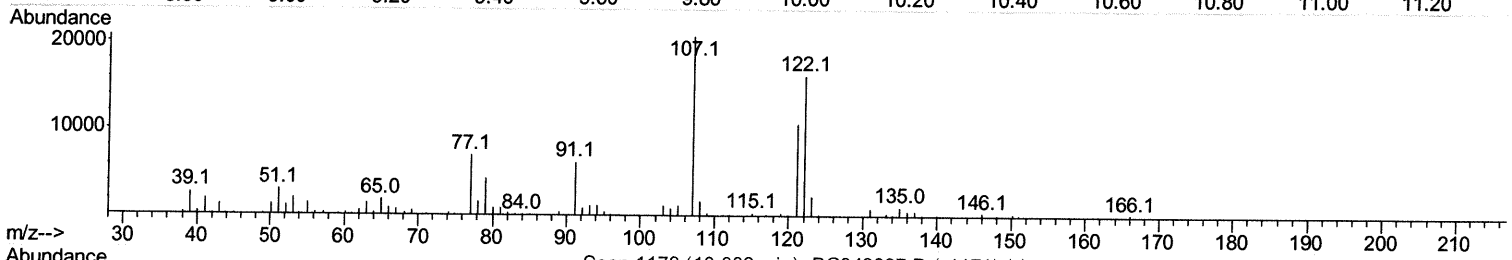
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\
Data File : BG042092.D
Acq On : 9 Aug 2019 8:14
Operator : HP/JU
Sample : K4147-03MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 09 16:25:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 09 16:22:05 2019
Response via : Initial Calibration

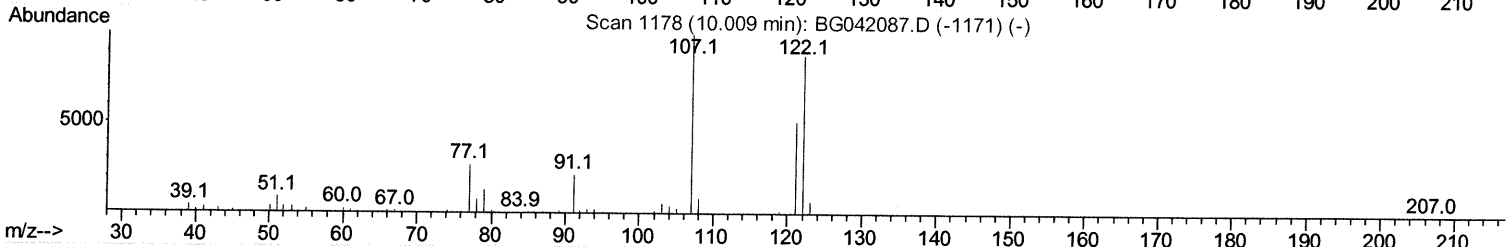
Instrument :
BNA_G
ClientSampleId :
C0AM5MS

Manual Integrations APPROVED
Sohil
8/13/2019 8:16:28 AM





Scan 1178 (10.009 min): BG042087.D (-1171) (-)



TIC: BG042092.D

(24) 2,4-Dimethylphenol

10.015min (+0.006) 11.15ng/ul m JU 08/12/19

response 60561

Ion	Exp%	Act%
107.00	100	100
121.00	56.30	51.91
122.00	85.10	78.50
0.00	0.00	0.00

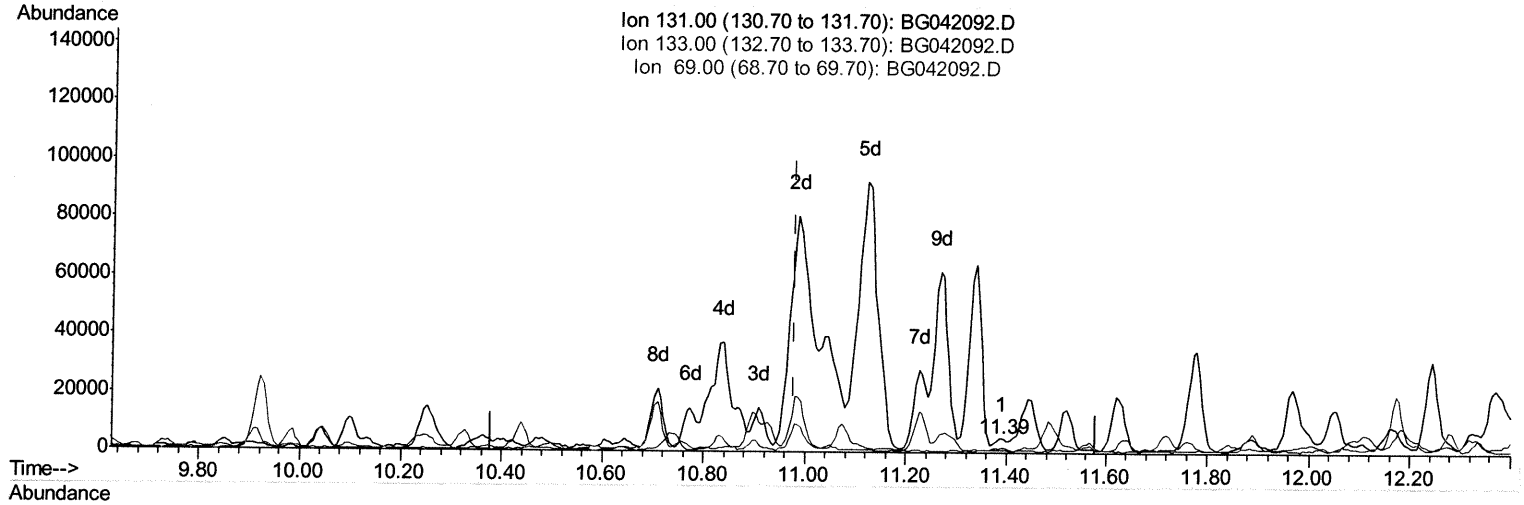
Quantitation Report (Qedit)

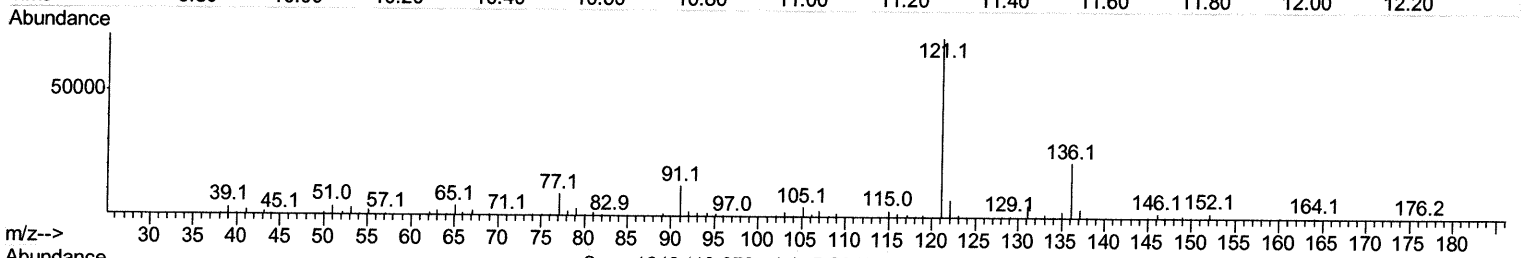
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\
Data File : BG042092.D
Acq On : 9 Aug 2019 8:14
Operator : HP/JU
Sample : K4147-03MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

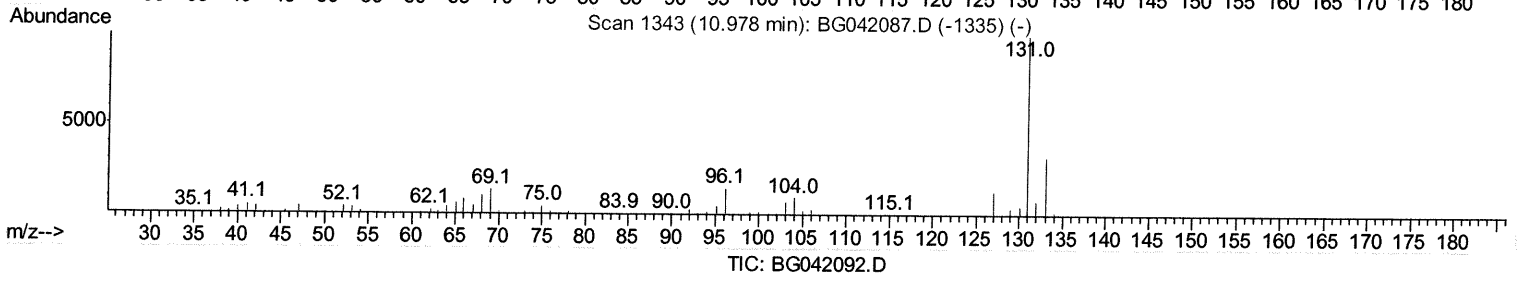
Quant Time: Aug 09 16:25:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 09 16:22:05 2019
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0AM5MS

Manual Integrations APPROVED
Sohil
8/13/2019 8:16:28 AM







TIC: BG042092.D

(29) 4-Chloroaniline-d4 (S)

11.390min (+0.411) 1.07ng/ul

response 6166

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	31.53
69.00	14.40	15.92
0.00	0.00	0.00

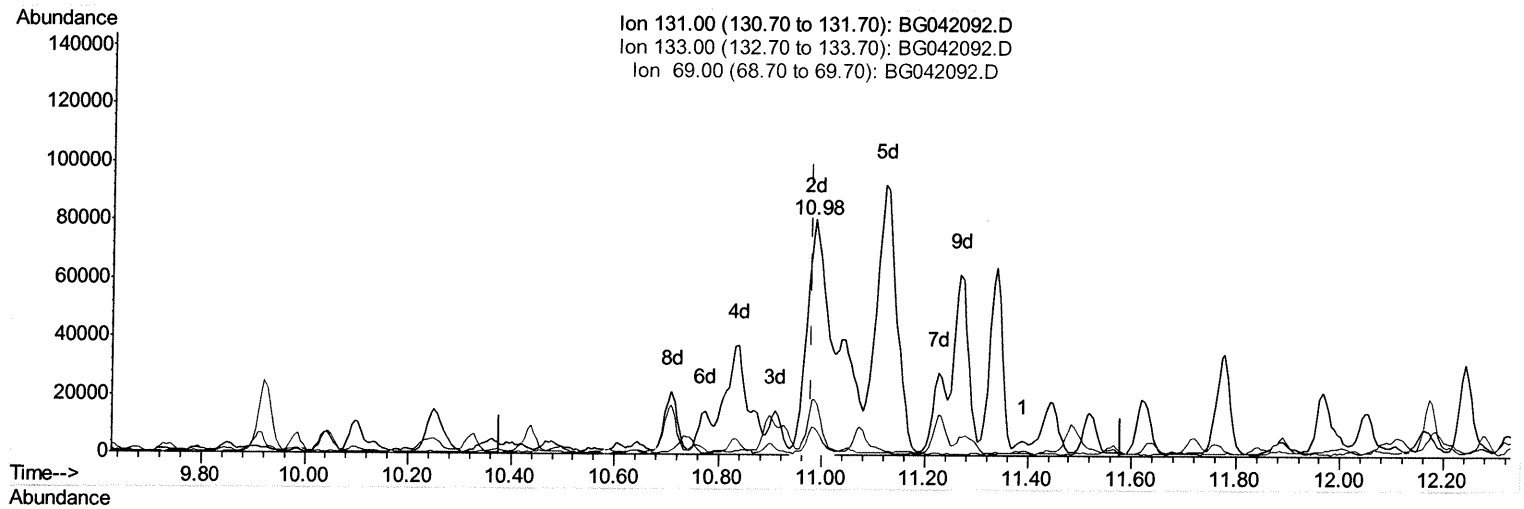
Quantitation Report (Qedit)

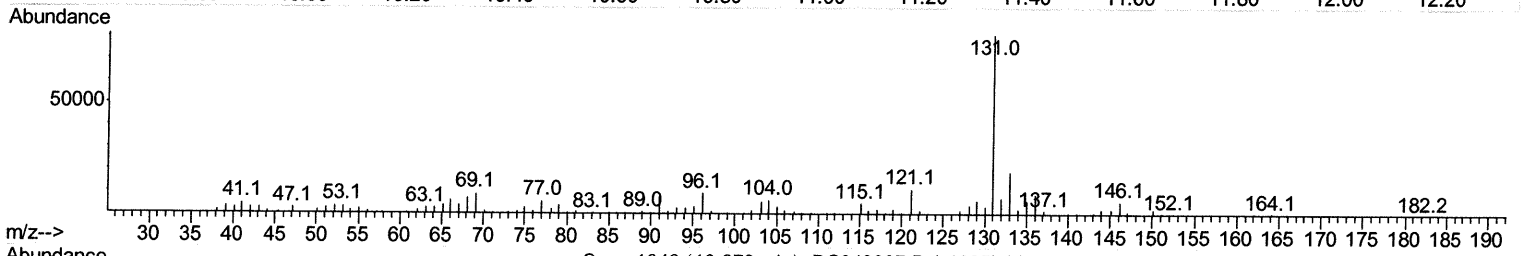
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\
Data File : BG042092.D
Acq On : 9 Aug 2019 8:14
Operator : HP/JU
Sample : K4147-03MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

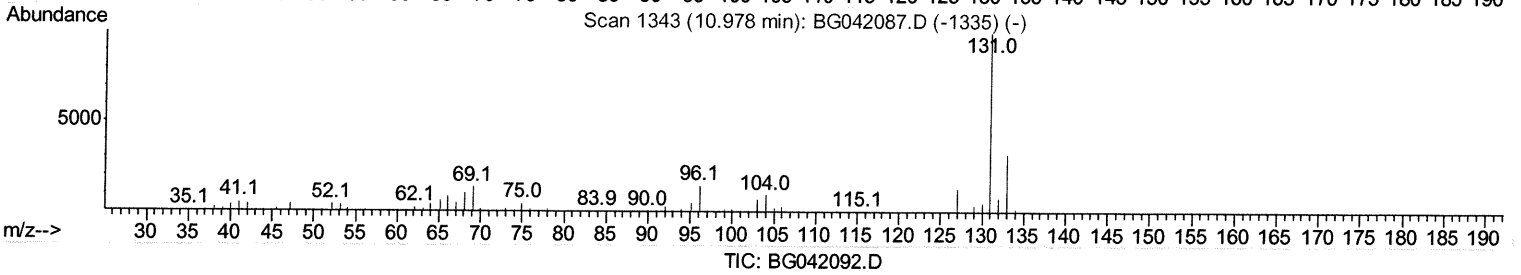
Quant Time: Aug 09 16:25:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 09 16:22:05 2019
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0AM5MS

Manual Integrations APPROVED
Sohil
8/13/2019 8:16:28 AM







TIC: BG042092.D

(29) 4-Chloroaniline-d4 (S)

10.985min (+0.006) 40.87ng/ul m JU 08/12/19

response 235843

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	23.57#
69.00	14.40	11.39#
0.00	0.00	0.00

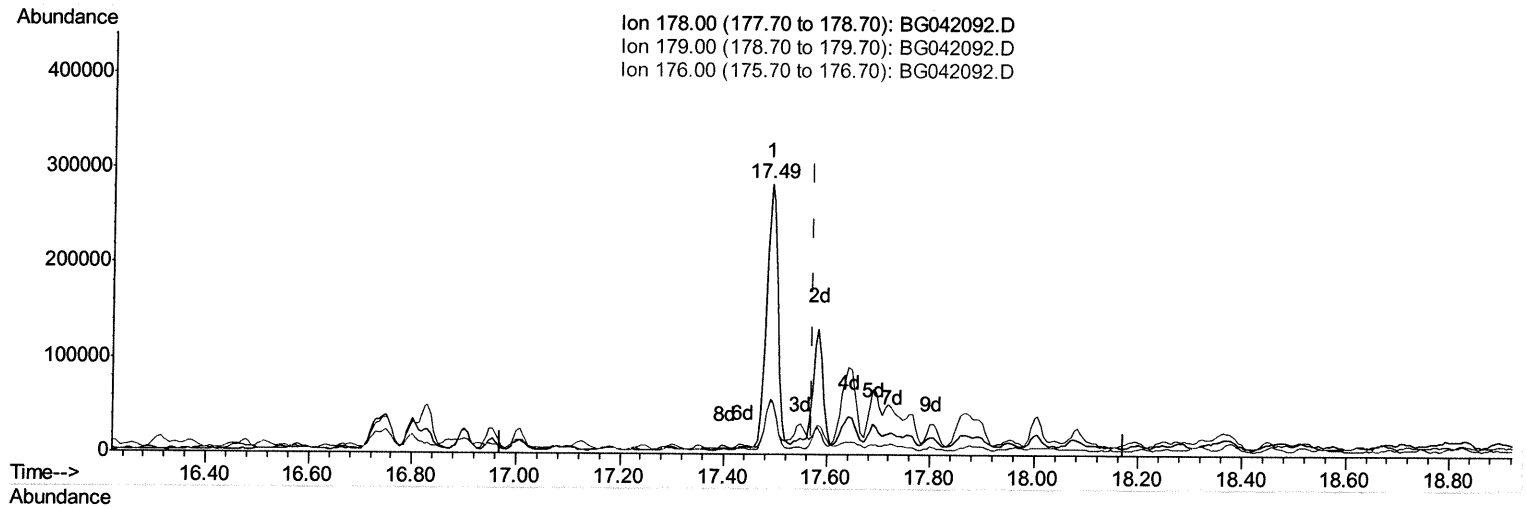
Quantitation Report (Qedit)

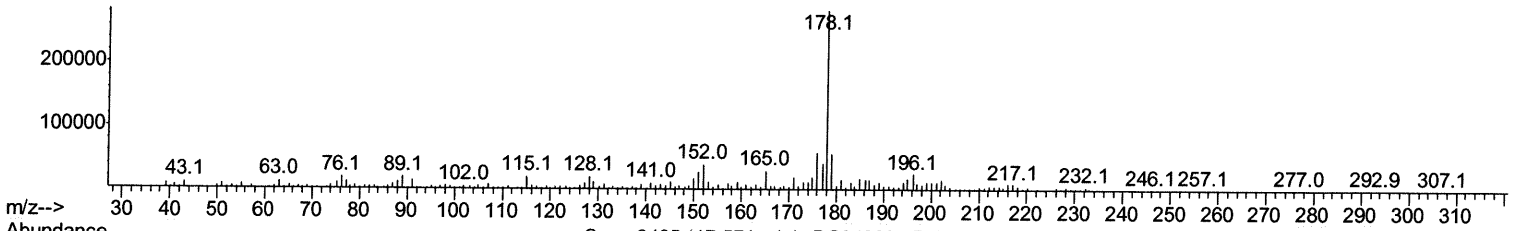
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\
Data File : BG042092.D
Acq On : 9 Aug 2019 8:14
Operator : HP/JU
Sample : K4147-03MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 09 17:05:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 09 16:22:05 2019
Response via : Initial Calibration

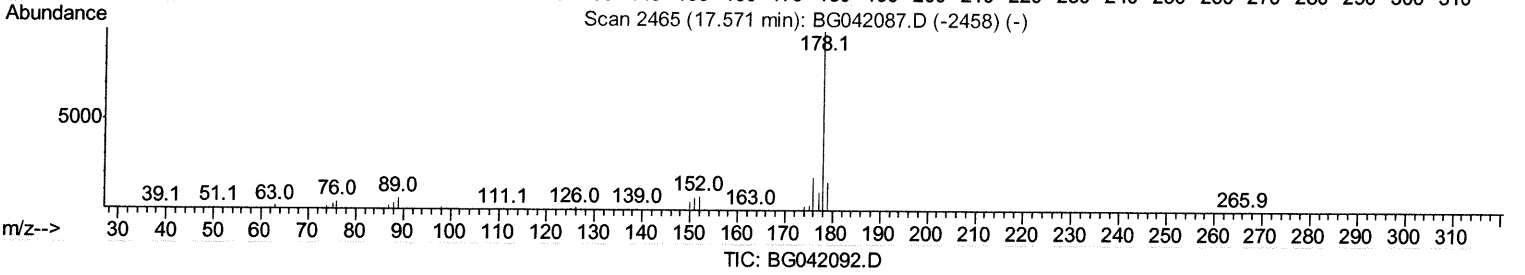
Instrument :
BNA_G
ClientSampleId :
C0AM5MS

Manual Integrations APPROVED
Sohil
8/13/2019 8:16:28 AM





Scan 2465 (17.571 min): BG042087.D (-2458) (-)



TIC: BG042092.D

(71) Anthracene

17.489min (-0.082) 17.92ng/ul

response 417807

Ion	Exp%	Act%
178.00	100	100
179.00	16.70	19.87
176.00	19.30	20.68
0.00	0.00	0.00

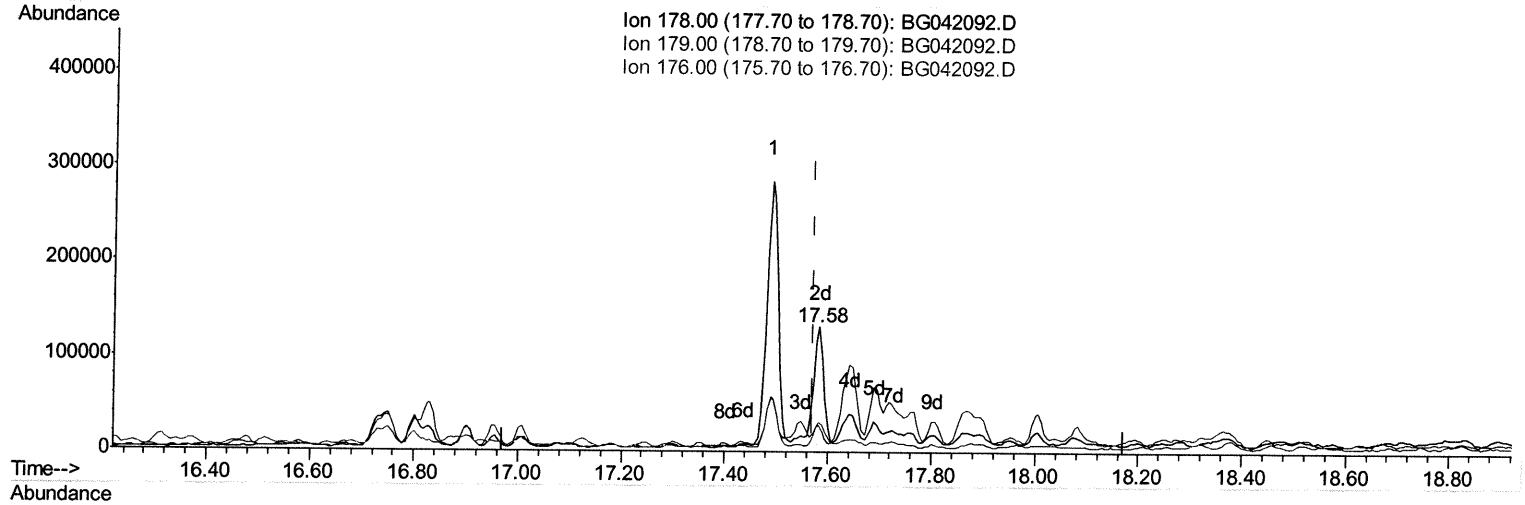
Quantitation Report (Qedit)

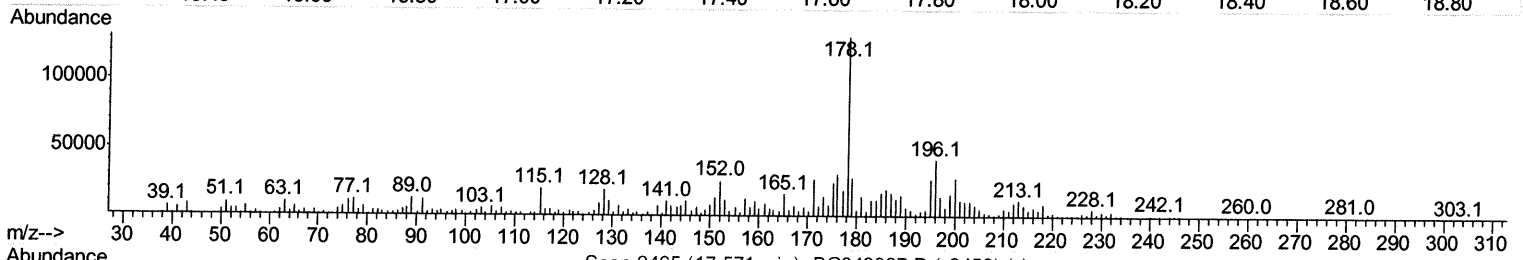
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\
Data File : BG042092.D
Acq On : 9 Aug 2019 8:14
Operator : HP/JU
Sample : K4147-03MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 09 17:05:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 09 16:22:05 2019
Response via : Initial Calibration

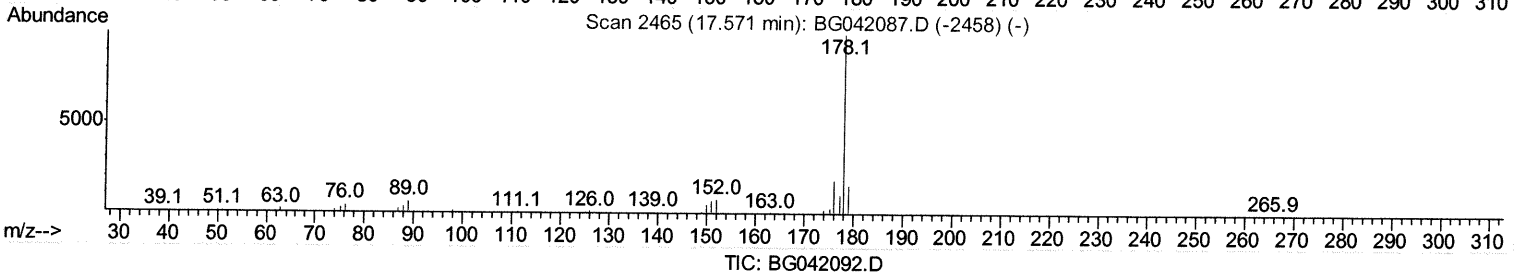
Instrument :
BNA_G
ClientSampleId :
C0AM5MS

Manual Integrations APPROVED
Sohil
8/13/2019 8:16:28 AM





Scan 2465 (17.571 min): BG042087.D (-2458) (-)



TIC: BG042092.D

(71) Anthracene

17.583min (+0.012) 7.46ng/ul m JU 08/12/19

response 173864

Ion	Exp%	Act%
178.00	100	100
179.00	16.70	21.48#
176.00	19.30	23.34#
0.00	0.00	0.00

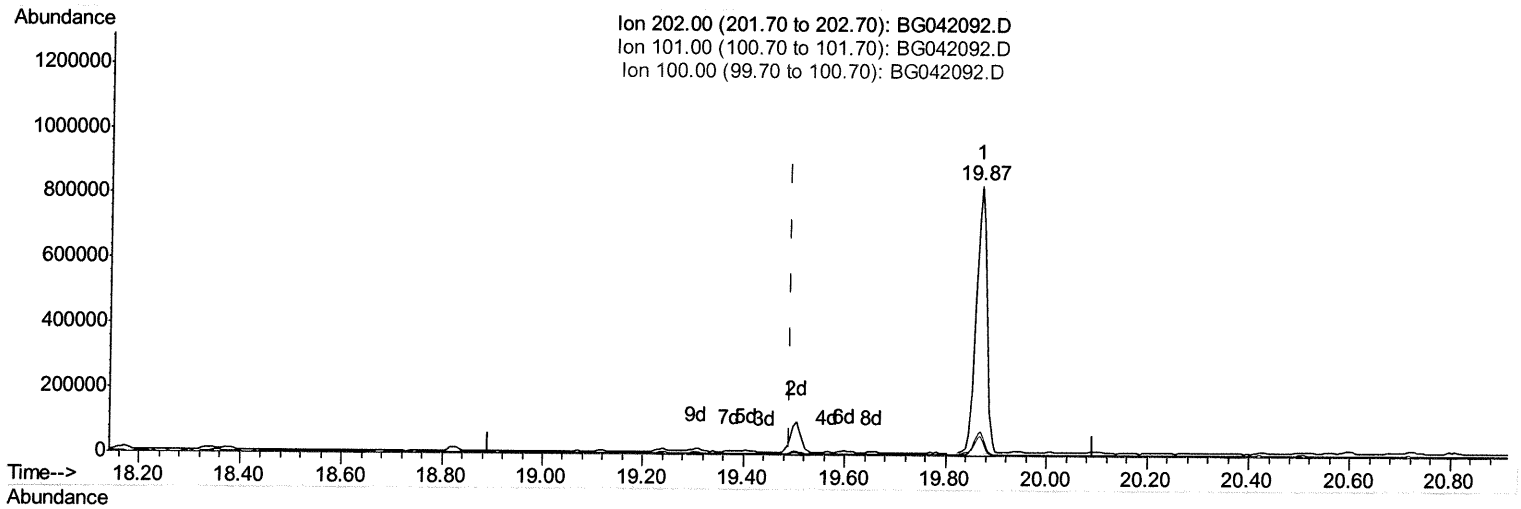
Quantitation Report (Qedit)

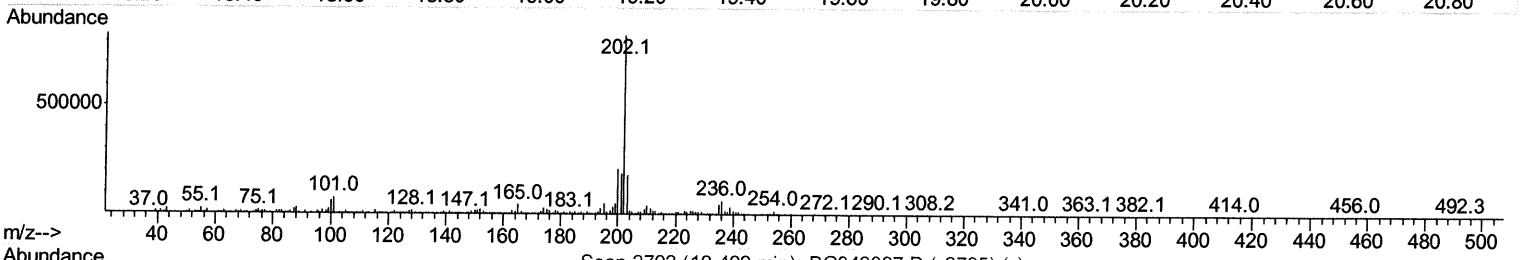
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\
Data File : BG042092.D
Acq On : 9 Aug 2019 8:14
Operator : HP/JU
Sample : K4147-03MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 09 17:05:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 09 16:22:05 2019
Response via : Initial Calibration

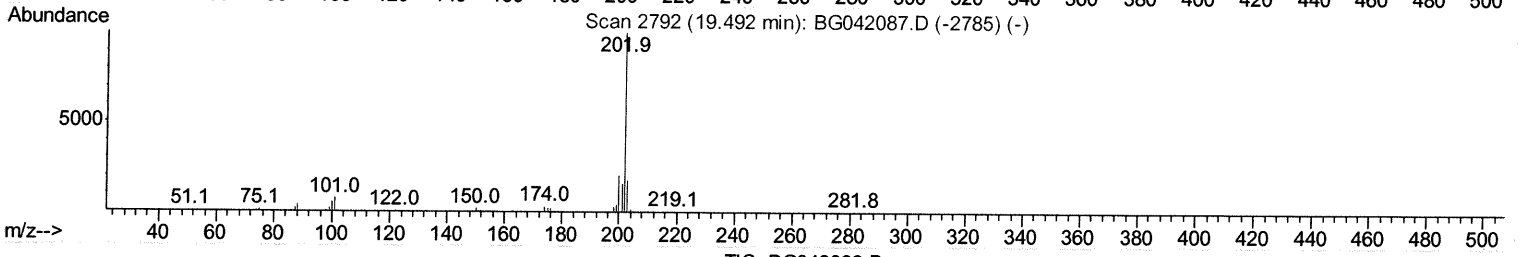
Instrument :
BNA_G
ClientSampleId :
C0AM5MS

Manual Integrations APPROVED
Sohil
8/13/2019 8:16:28 AM





Scan 2792 (19.492 min): BG042087.D (-2785) (-)



TIC: BG042092.D

(76) Fluoranthene (C)

19.869min (+0.376) 46.85ng/ul

response 1244225

Ion	Exp%	Act%
202.00	100	100
101.00	8.40	9.20
100.00	6.60	7.48
0.00	0.00	0.00

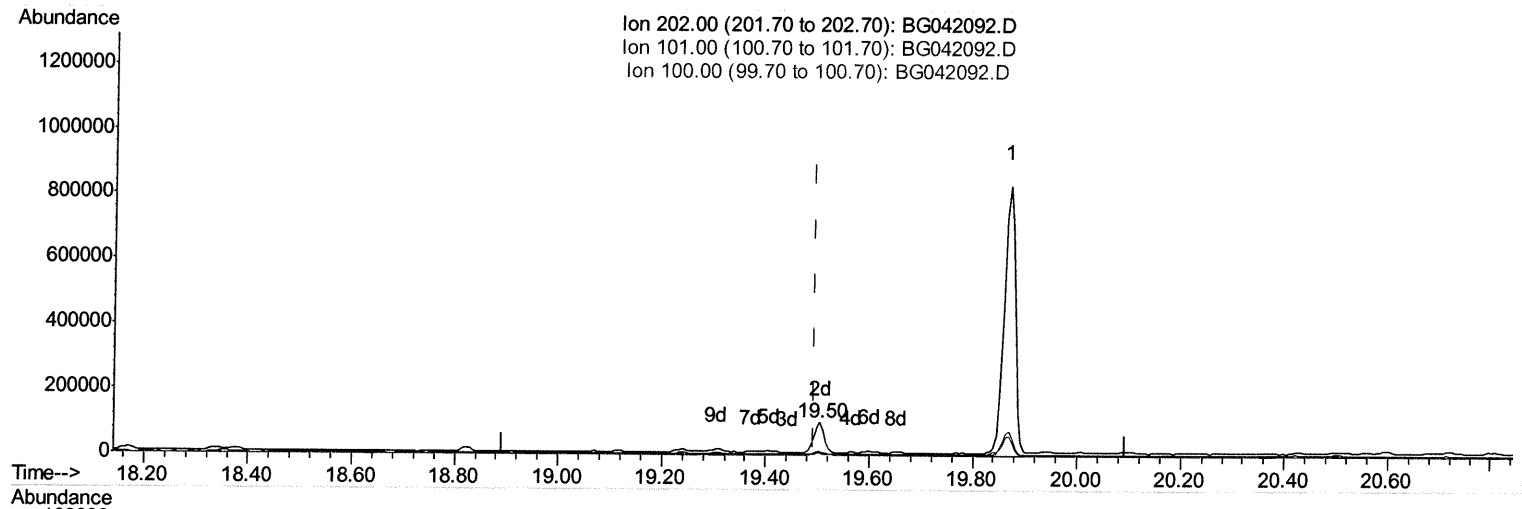
Quantitation Report (Qedit)

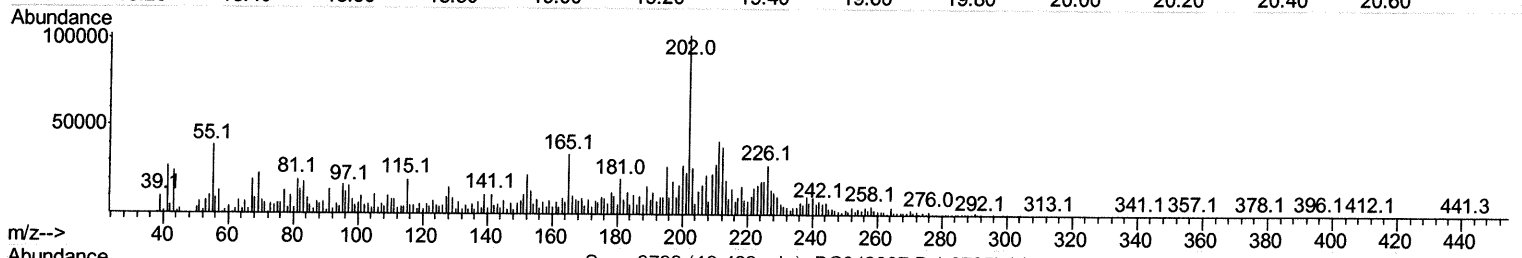
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\
Data File : BG042092.D
Acq On : 9 Aug 2019 8:14
Operator : HP/JU
Sample : K4147-03MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

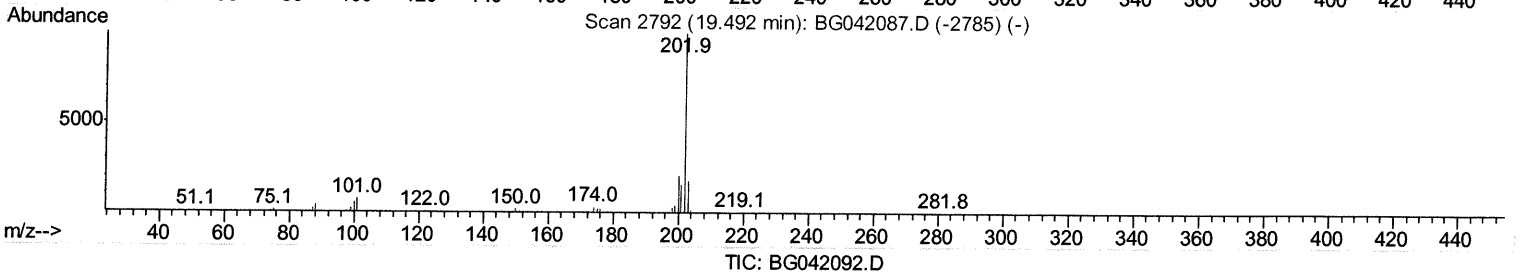
Quant Time: Aug 09 17:05:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 09 16:22:05 2019
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0AM5MS

Manual Integrations APPROVED
Sohil
8/13/2019 8:16:28 AM







TIC: BG042092.D

(76) Fluoranthene (C)

19.504min (+0.012) 6.17ng/ul m JU 8/12/19

response 163858

Ion	Exp%	Act%
202.00	100	100
101.00	8.40	10.59#
100.00	6.60	6.59
0.00	0.00	0.00

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\
Data File : BG042092.D
Acq On : 9 Aug 2019 8:14
Operator : HP/JU
Sample : K4147-03MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AM5MS

Manual Integrations APPROVED
Sohil
8/13/2019 8:16:28 AM

Quant Time: Aug 10 21:51:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 09 16:22:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	74602	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	294711	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	214879	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.45	188	419894	20.00	ng/ul	0.00
77) Chrysene-d12	21.74	240	447315	20.00	ng/ul	0.01
85) Perylene-d12	25.02	264	525800	20.00	ng/ul	0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.41	96	8999	5.28	ng/uL	0.00
5) Phenol-d5	7.18	99	183498	31.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	95872	29.28	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	172891	34.54	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	165062	33.58	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	89187	40.20	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	108869	42.27	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	201568	38.76	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	235843m →	40.87	ng/ul →	0.00 JU 08/12/19
43) Dimethylphthalate-d6	14.10	166	555598	33.34	ng/ul	0.01
46) Acenaphthylene-d8	14.39	160	669014	35.14	ng/ul	0.00
51) 4-Nitrophenol-d4	14.92	143	85256	30.47	ng/ul	0.04
57) Fluorene-d10	15.69	176	560265	37.79	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.82	200	95419	35.42	ng/ul	0.02
70) Anthracene-d10	17.55	188	783050	38.87	ng/ul	0.01
78) Pyrene-d10	19.84	212	835591	33.47	ng/ul	0.01
89) Benzo(a)pyrene-d12	24.80	264	1036204	37.72	ng/ul	0.04
Target Compounds						Qvalue
6) Phenol	7.21	94	215325	35.630	ng/ul	96
10) 2-Chlorophenol	7.59	128	181944	35.859	ng/ul	98
11) 2-Methylphenol	8.48	108	9324	1.924	ng/ul	90
15) N-Nitroso-di-n-propylamine	8.84	70	127737	31.985	ng/ul	95
16) 4-Methylphenol	8.81	108	16841	3.217	ng/ul	95
24) 2,4-Dimethylphenol	10.02	107	60561m →	11.154	ng/ul →	JU 08/12/19
28) Naphthalene	10.90	128	348196	23.110	ng/ul	98
33) 4-Chloro-3-methylphenol	12.14	107	191095	37.613	ng/ul	98
34) 2-Methylnaphthalene	12.52	142	629429	52.561	ng/ul	100
40) 1,1'-Biphenyl	13.52	154	115900	7.418	ng/ul	98
44) Dimethylphthalate	14.14	163	98391	5.946	ng/ul#	84
47) Acenaphthylene	14.42	152	33014	1.718	ng/ul#	53
49) Acenaphthene	14.76	153	543461	40.451	ng/ul	98
52) 4-Nitrophenol	14.93	109	73442	35.417	ng/ul	98
53) Dibenzofuran	15.09	168	221352	11.039	ng/ul	90
54) 2,4-Dinitrotoluene	15.06	165	200642	38.340	ng/ul#	96
58) Fluorene	15.74	166	310143	19.203	ng/ul	99
68) Pentachlorophenol	17.11	266	147099	48.374	ng/ul	98
69) Phenanthrene	17.49	178	417807	18.176	ng/ul#	94
71) Anthracene	17.58	178	173864m →	7.457	ng/ul →	JU 08/12/19
74) Carbazole	17.85	167	34827	1.803	ng/ul#	66
76) Fluoranthene	19.50	202	163858m →	6.169	ng/ul →	JU 08/12/19
79) Pyrene	19.87	202	1245272	41.386	ng/ul	99

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\
Data File : BG042092.D
Acq On : 9 Aug 2019 8:14
Operator : HP/JU
Sample : K4147-03MS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 10 21:51:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 09 16:22:05 2019
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0AM5MS

Manual Integrations APPROVED
Sohil
8/13/2019 8:16:28 AM

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
82) Benzo(a)anthracene	21.72	228	67751	2.184 ng/ul#	63
84) Chrysene	21.78	228	65921	2.277 ng/ul#	64
90) Benzo(a)pyrene	24.87	252	39959	1.271 ng/ul#	69

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