

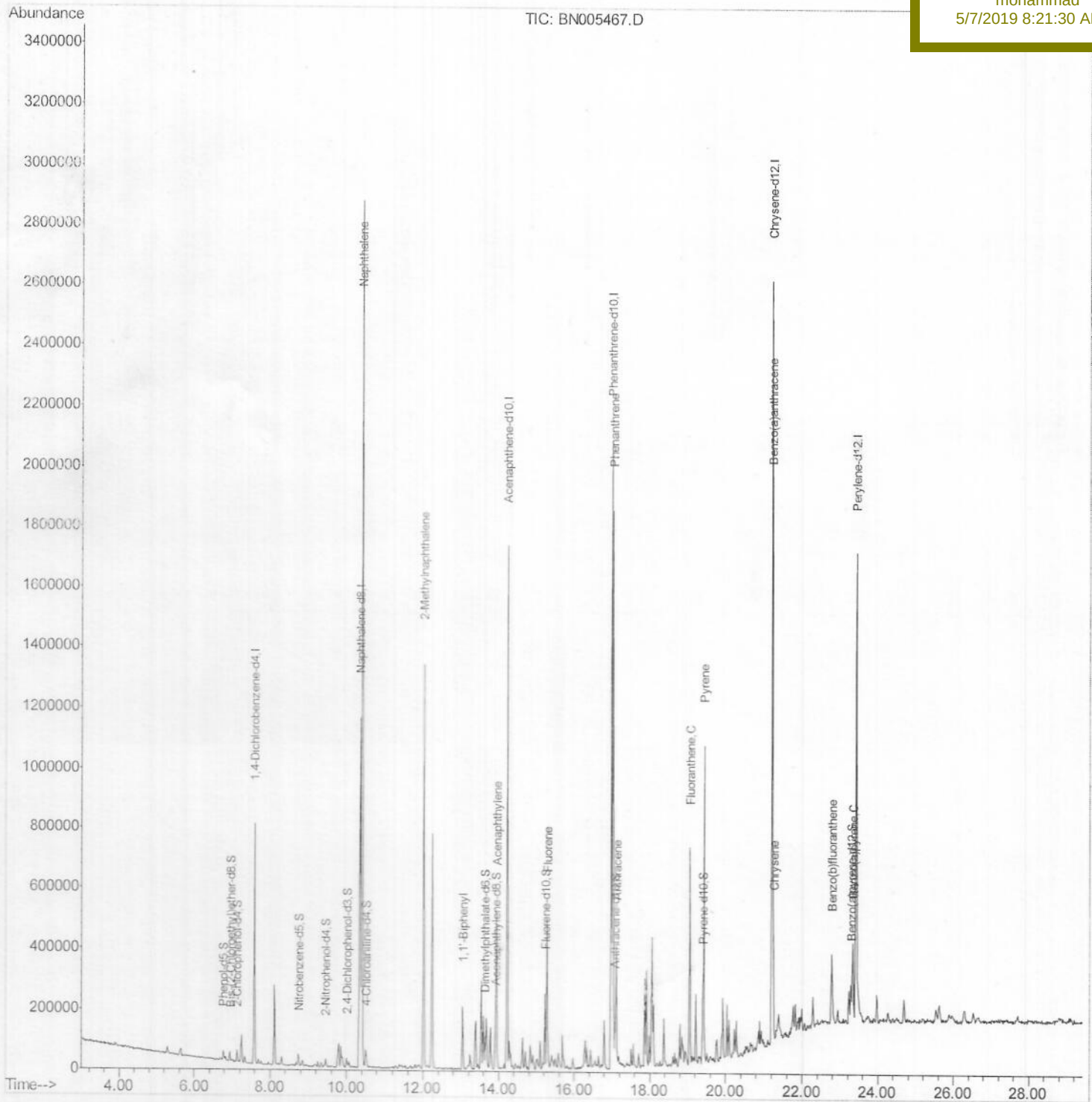
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050319\
Data File : BN005467.D
Acq On : 04 May 2019 00:42
Operator : JU/SJ
Sample : K2456-03MEDL2 20X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 04 07:23:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 03 03:02:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAHS3MEDL

Manual Integrations
APPROVED

mohammad
5/7/2019 8:21:30 AM



Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050319\

Data File : BN005467.D

Acq On : 04 May 2019 00:42

Operator : JU/SJ

Sample : K2456-03MEDL2 20X

Misc :

ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 04 06:49:40 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri May 03 03:02:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

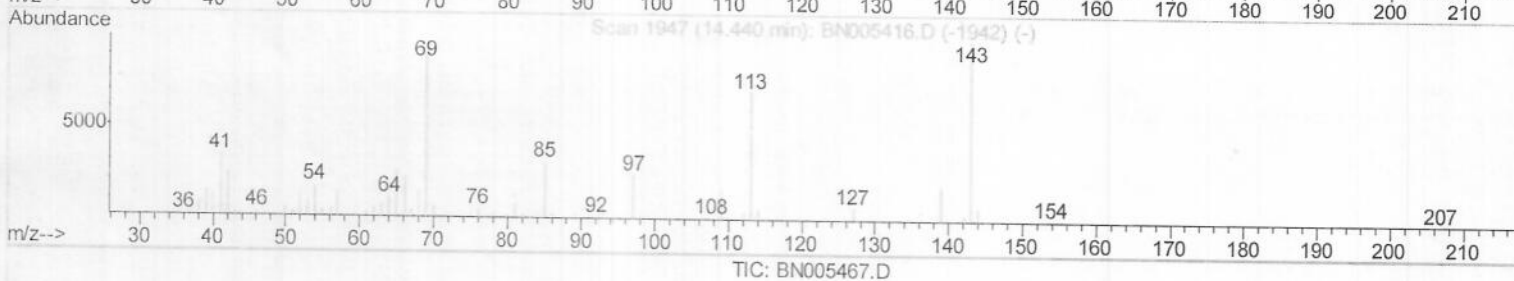
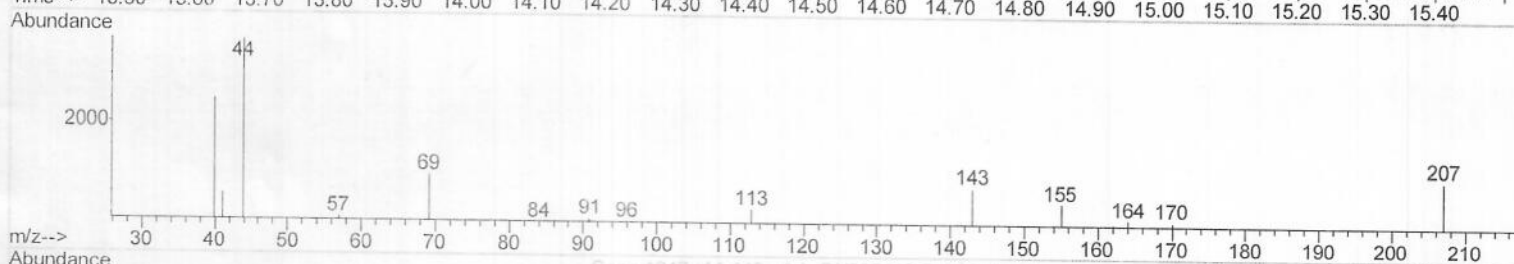
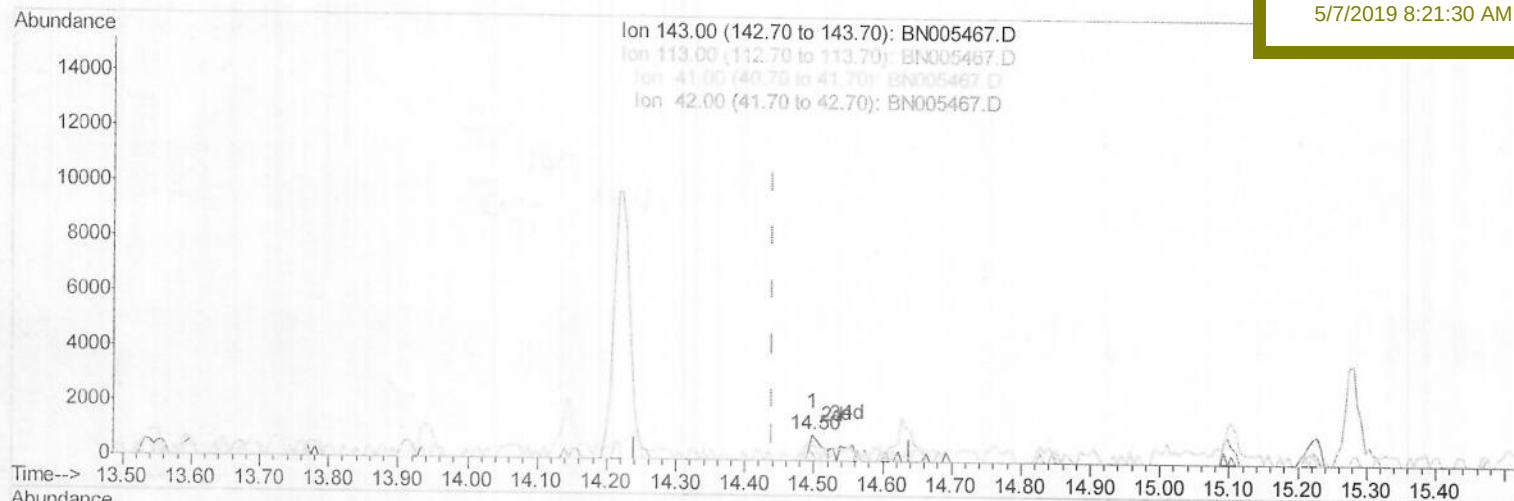
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Manual Integrations

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5/7/2019 8:21:30 AM



(51) 4-Nitrophenol-d4 (S)

14.498min (+0.058) 0.18ng/ul

response 1196

Ion	Exp%	Act%
143.00	100	100
113.00	82.50	59.03#
41.00	47.90	81.72#
42.00	31.70	33.40

Quantitation Report (Qedit)

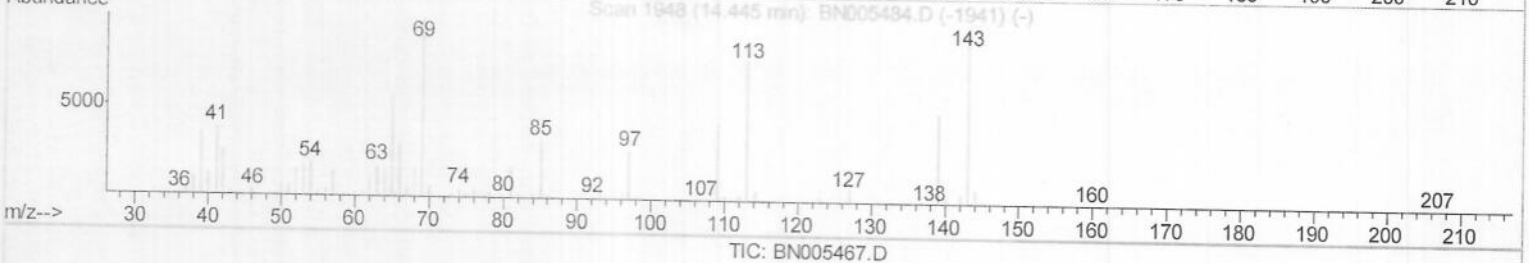
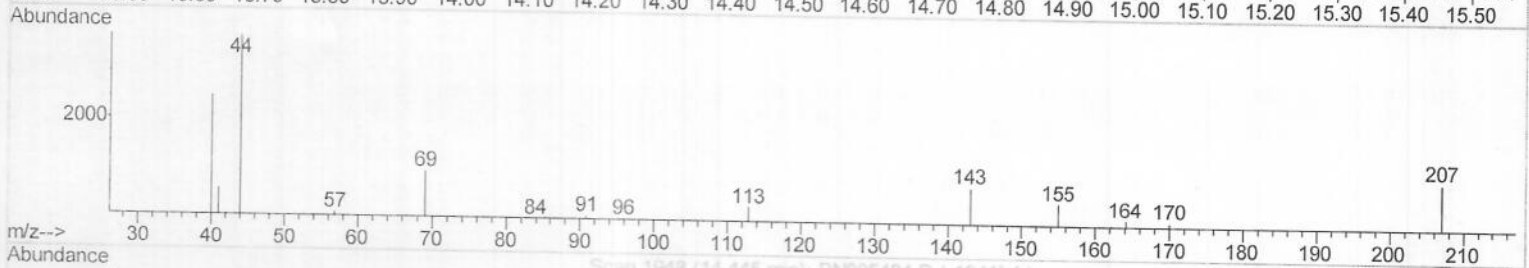
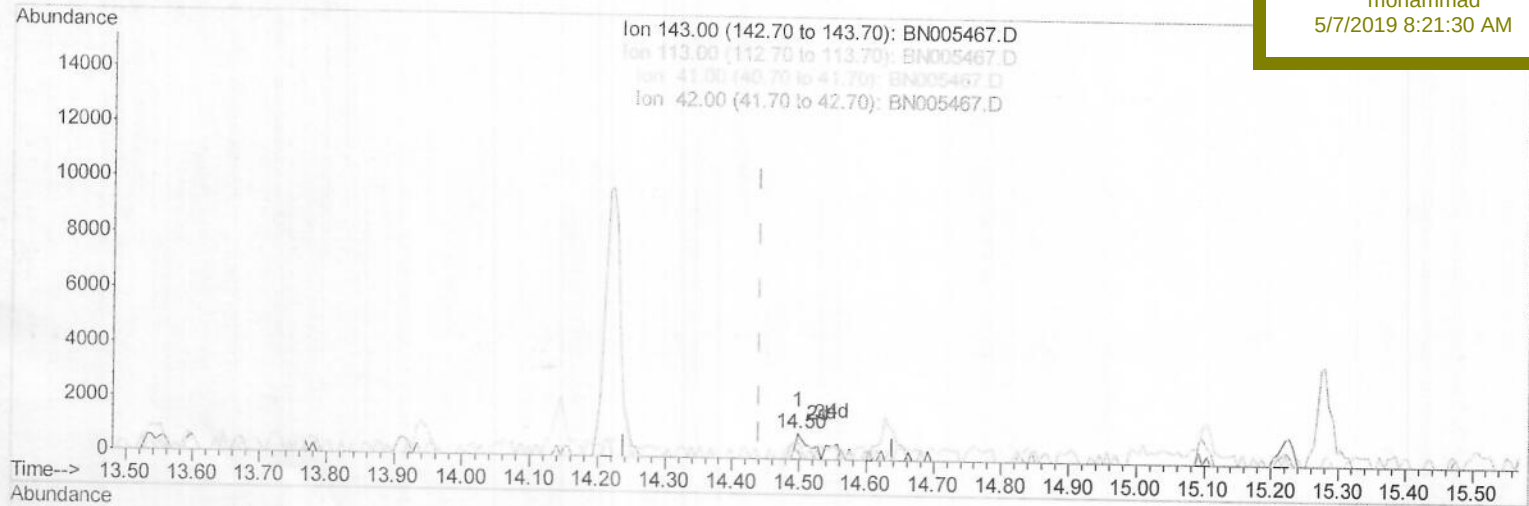
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
 Data File : BN005467.D
 Acq On : 04 May 2019 00:42
 Operator : JU/SJ
 Sample : K2456-03MEDL 20X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 04 07:23:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration

Instrument :
 BNA_N
 Client Sampled :
 GAHS3MEDL

Manual Integrations
 APPROVED

mohammad
 5/7/2019 8:21:30 AM



(51) 4-Nitrophenol-d4 (S)

14.498min (+0.058) 0.31ng/ul m

response 2109

Ion	Exp%	Act%
143.00	100	100
113.00	82.50	59.03#
41.00	47.90	81.72#
42.00	31.70	33.40

SJ
 05/03 119

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050319\

Data File : BN005467.D

Acq On : 04 May 2019 00:42

Operator : JU/SJ

Sample : K2456-03MEDL2 20X

Misc :

ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 04 06:49:40 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri May 03 03:02:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

Client Sampled :

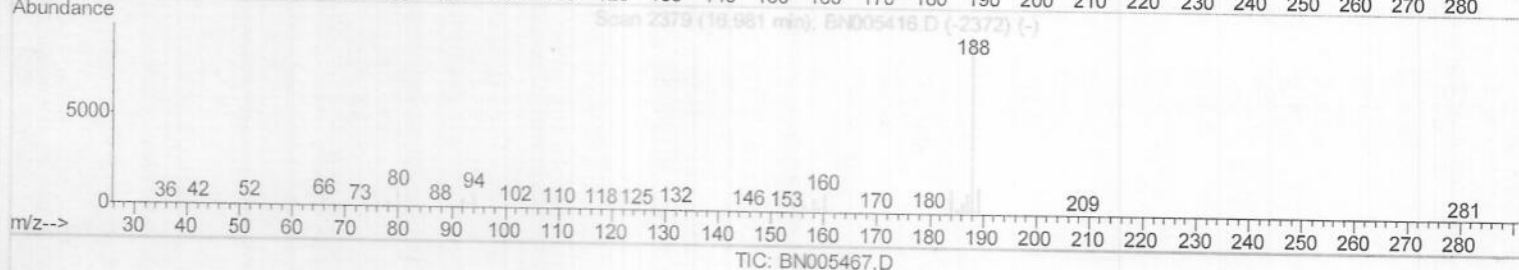
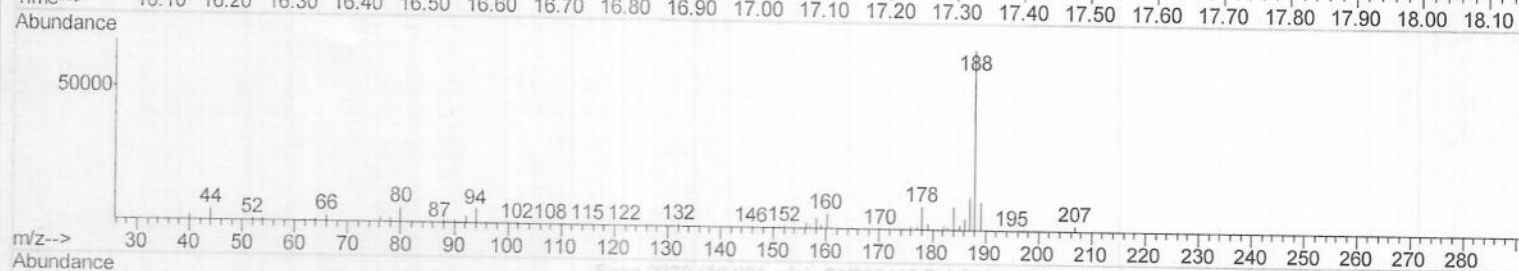
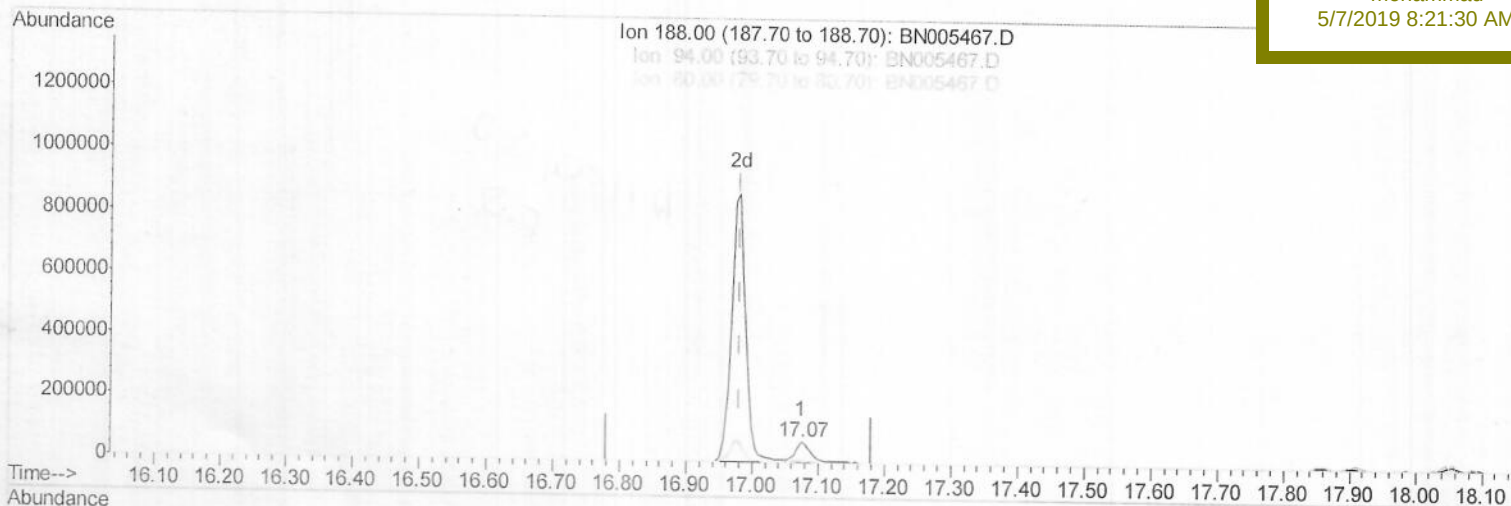
GAHS3MEDL

Manual Integrations

APPROVED

mohammad

5/7/2019 8:21:30 AM



(61) Phenanthrene-d10 (I)

17.074min (+0.094) 20.00ng/ul

response 104781

Ion	Exp%	Act%
188.00	100	100
94.00	9.20	8.53
80.00	10.30	8.80
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050319\

Data File : BN005467.D

Acq On : 04 May 2019 00:42

Operator : JU/SJ

Sample : K2456-03MEDL2 20X

Misc :

ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 04 06:49:40 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri May 03 03:02:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

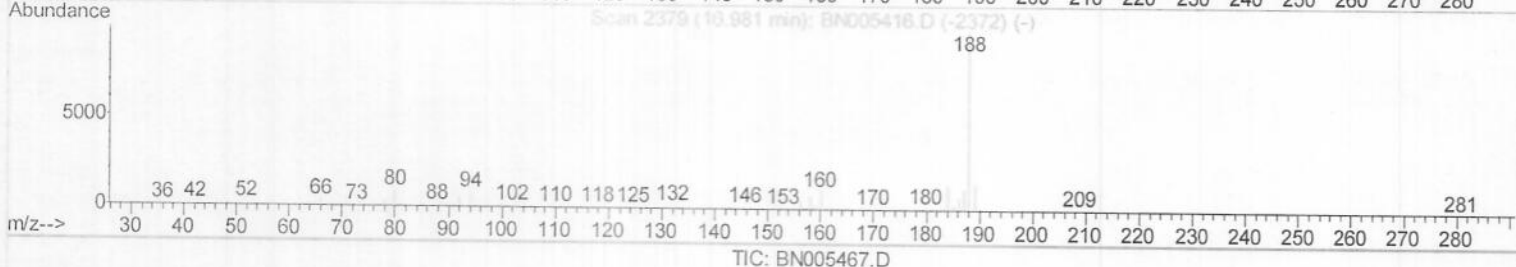
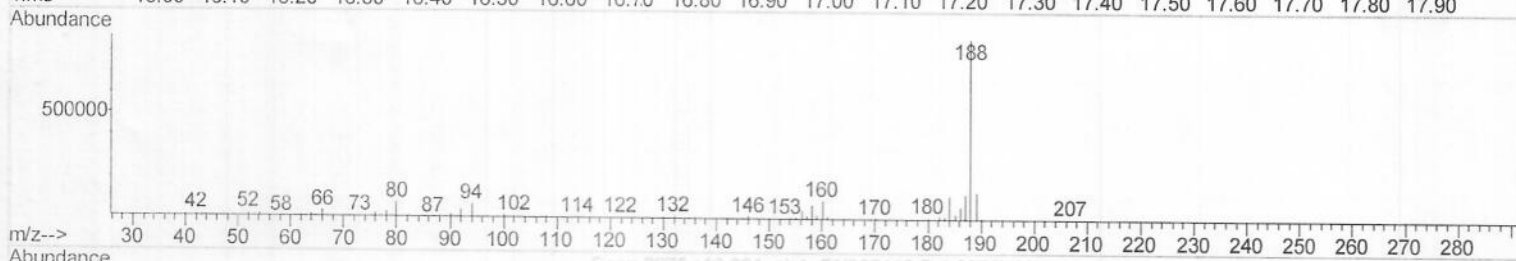
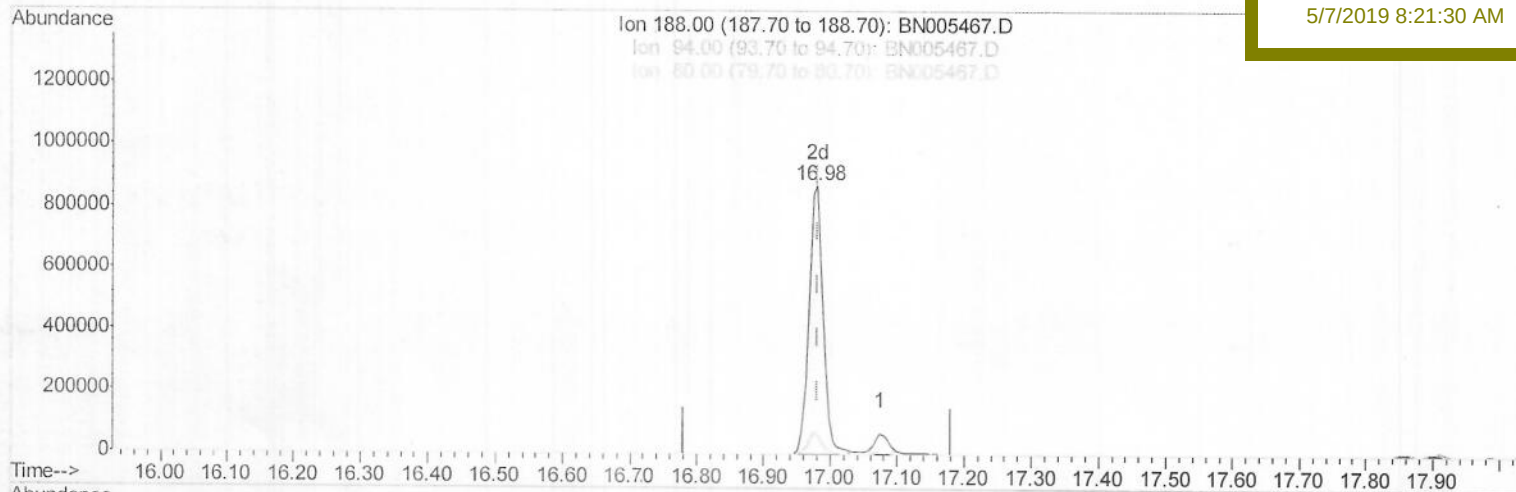
GAHS3MEDL

Manual Integrations

APPROVED

mohammad

5/7/2019 8:21:30 AM



(61) Phenanthrene-d10 (I)

16.980min (-0.000) 20.00ng/ul m

response 1288372

Ion Exp% Act%

188.00 100 100

94.00 9.20 7.43

80.00 10.30 8.14#

0.00 0.00 0.00

SJ
05/03/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050319\

Data File : BN005467.D

Acq On : 04 May 2019 00:42

Operator : JU/SJ

Sample : K2456-03MEDL2 20X

Misc :

ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 04 07:22:05 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri May 03 03:02:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

Client Sample Id :

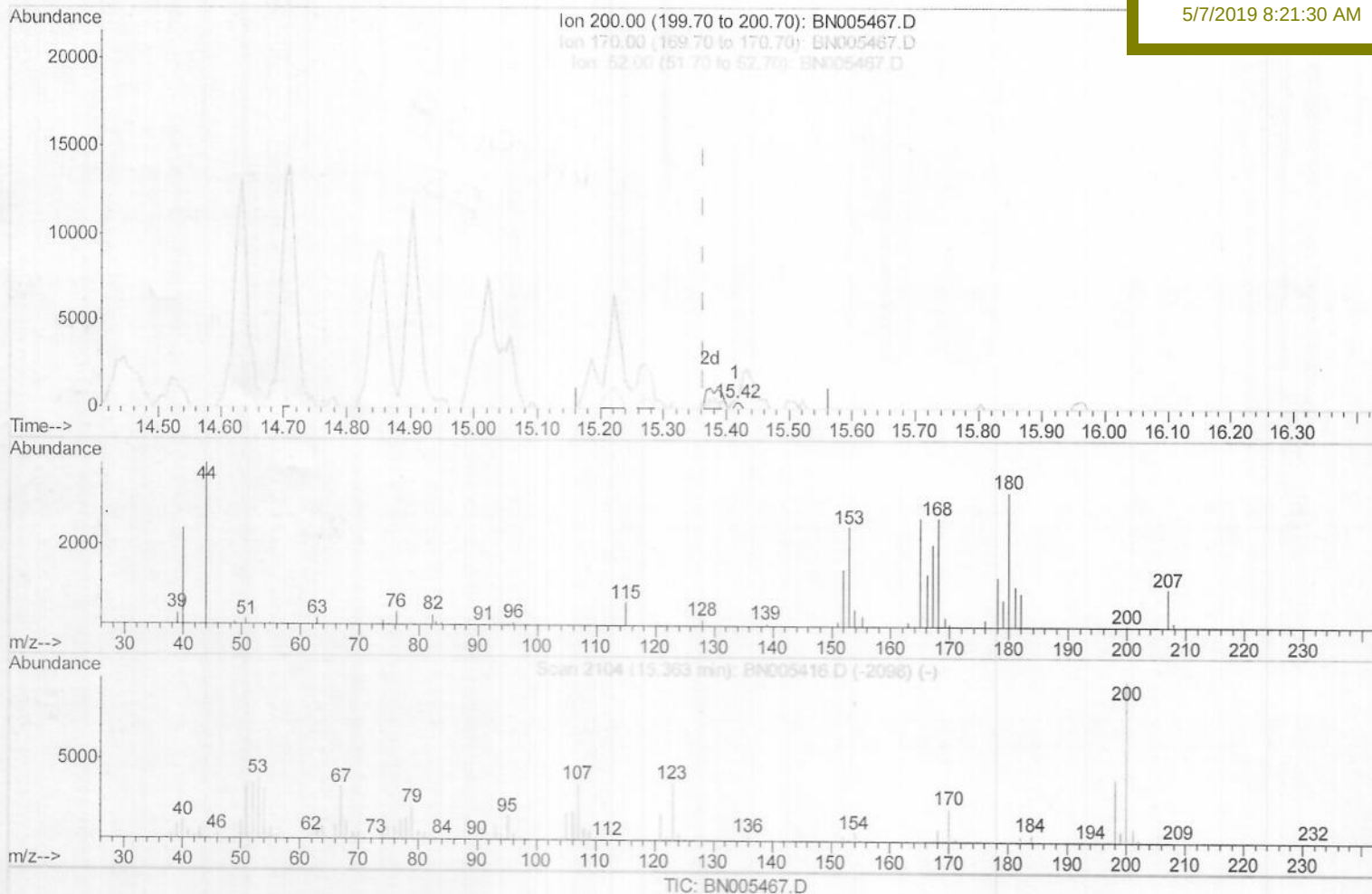
GAHS3MEDL

Manual Integrations

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mohammad

5/7/2019 8:21:30 AM



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

15.416min (+0.052) 0.04ng/ul

response 228

Ion	Exp%	Act%
200.00	100	100
170.00	22.60	109.51#
52.00	49.60	0.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050319\

Data File : BN005467.D

Acq On : 04 May 2019 00:42

Operator : JU/SJ

Sample : K2456-03MEDL2 20X

Misc :

ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 04 07:22:05 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri May 03 03:02:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampled :

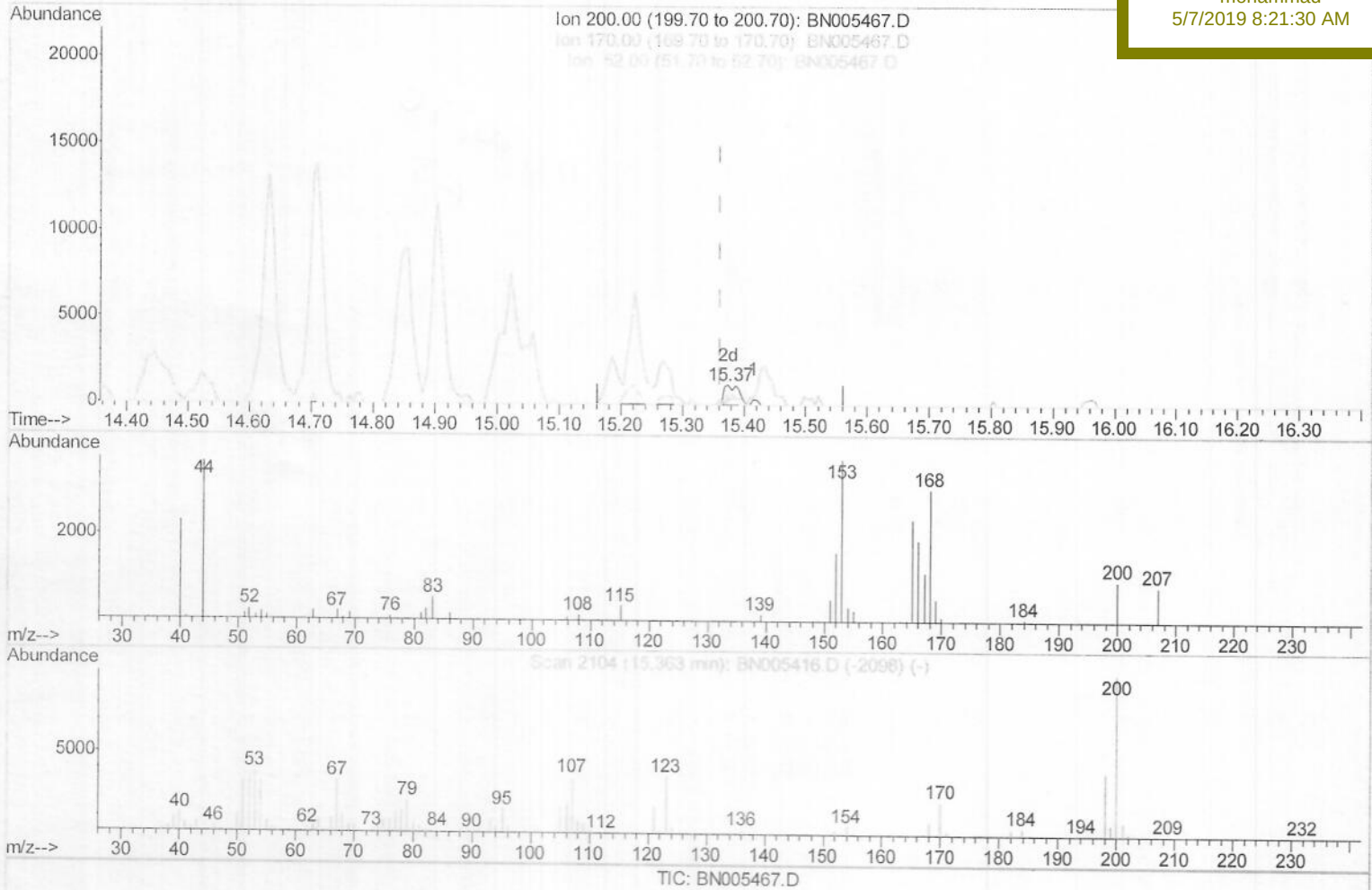
GAHS3MEDL

Manual Integrations

APPROVED

mohammad

5/7/2019 8:21:30 AM



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

15.374min (+0.011) 0.32ng/ul m

response 1850

Ion Exp% Act%

200.00 100 100

170.00 22.60 34.63#

52.00 49.60 45.08

0.00 0.00 0.00

SJ
05/03/19

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050319\

Data File : BN005467.D

Acq On : 04 May 2019 00:42

Operator : JU/SJ

Sample : K2456-03MEDL2 20X

Misc :

ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 04 07:22:05 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri May 03 03:02:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampled :

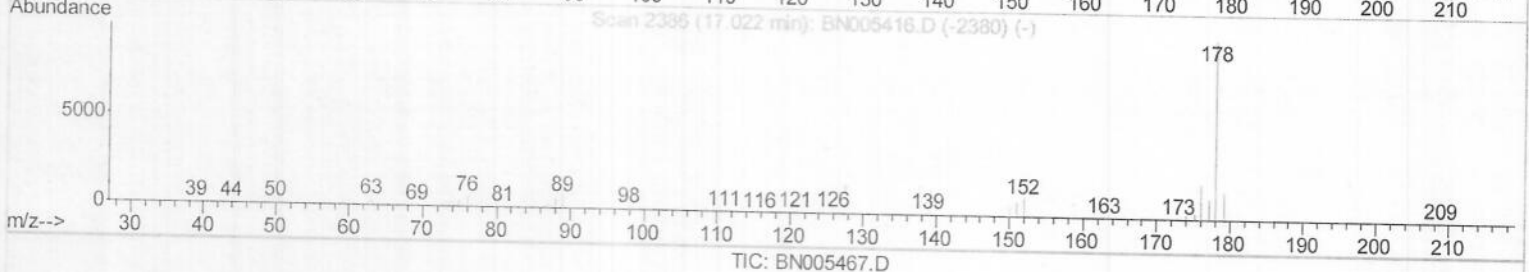
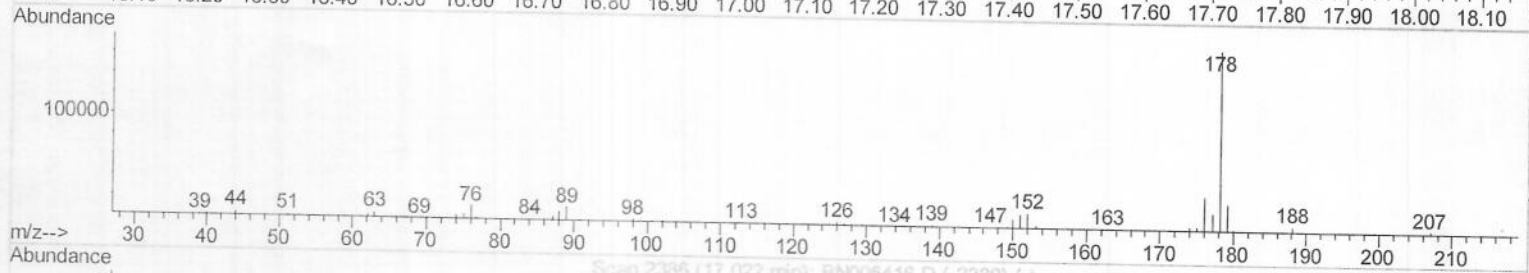
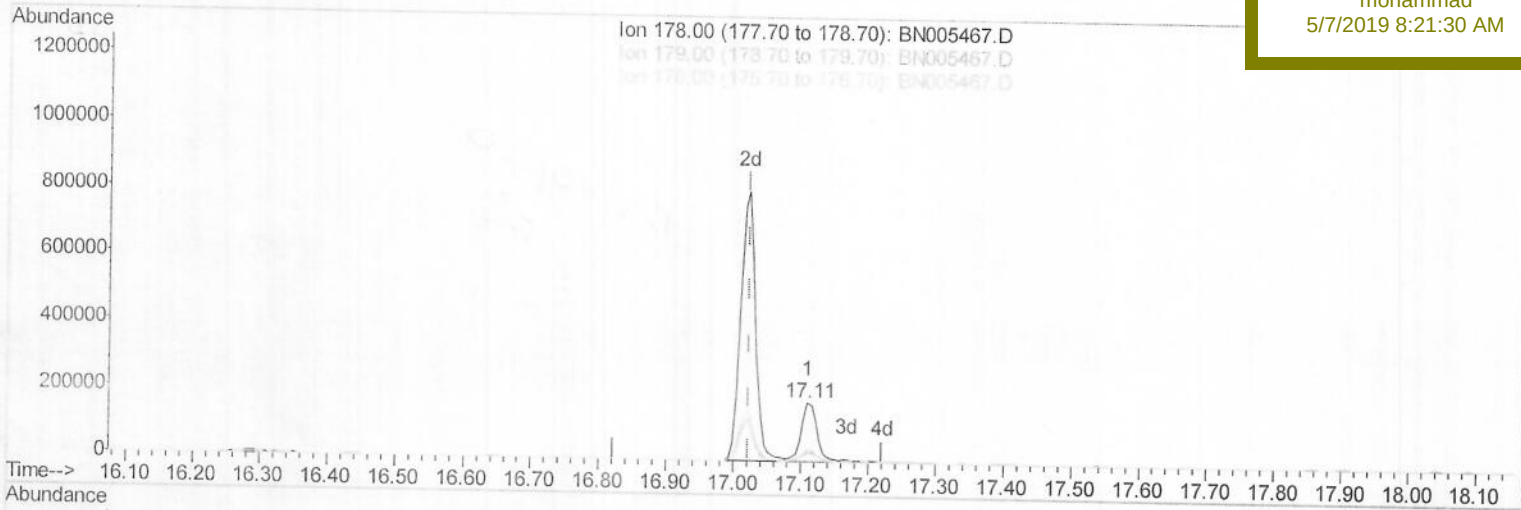
GAHS3MEDL

Manual Integrations

APPROVED

mohammad

5/7/2019 8:21:30 AM



(69) Phenanthrene

17.110min (+0.088) 4.42ng/ul

response 277253

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	15.49
176.00	18.90	19.62
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050319\

Data File : BN005467.D

Acq On : 04 May 2019 00:42

Operator : JU/SJ

Sample : K2456-03MEDL2 20X

Misc :

ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 04 07:22:05 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri May 03 03:02:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

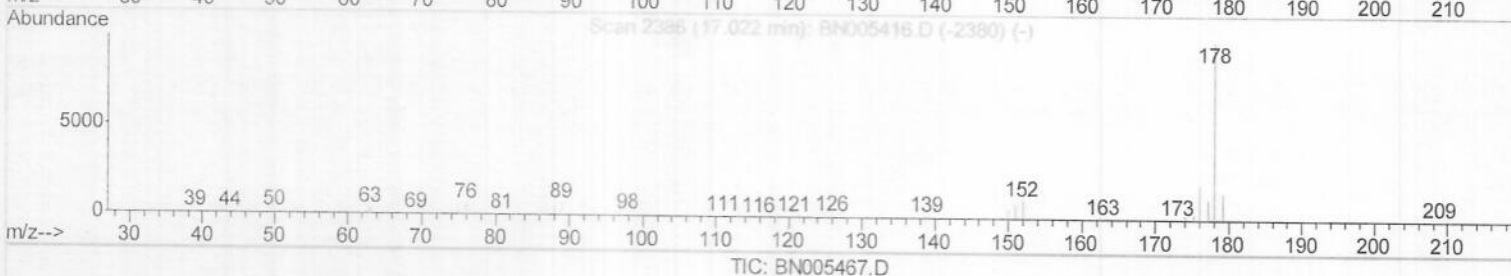
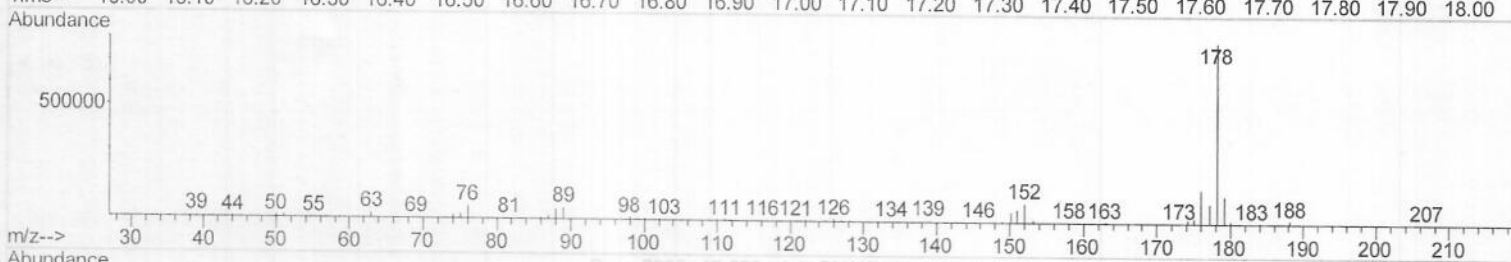
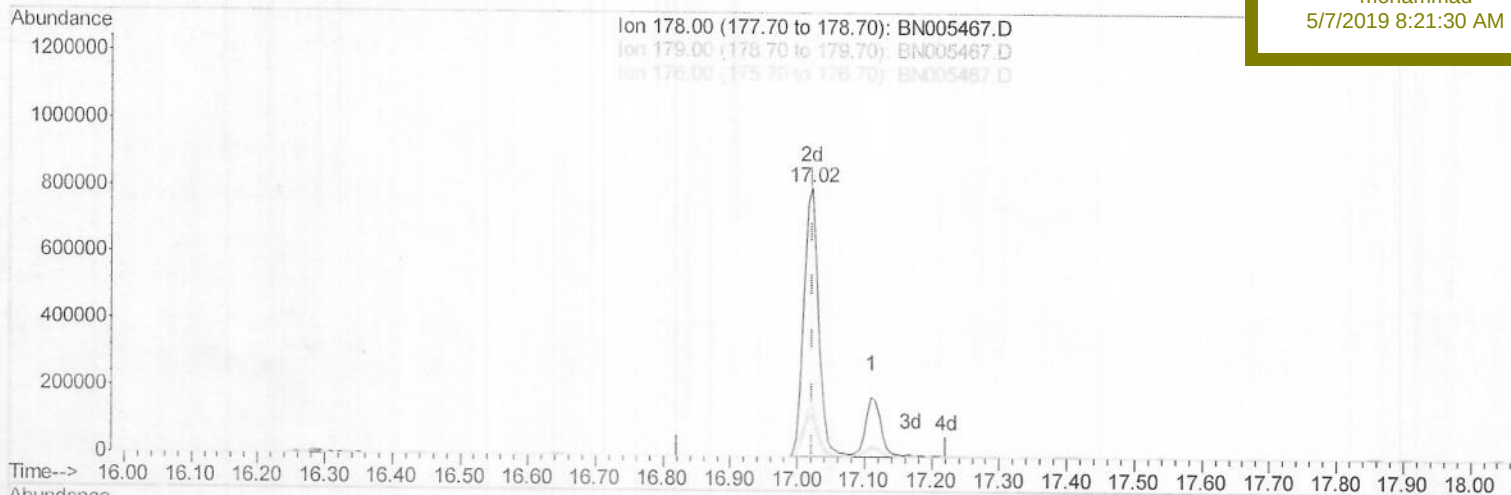
GAHS3MEDL

Manual Integrations

APPROVED

mohammad

5/7/2019 8:21:30 AM



(69) Phenanthrene

17.021min (-0.000) 19.33ng/ul m

response 1213090

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	15.29
176.00	18.90	18.58
0.00	0.00	0.00

SJ
05/03/19

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050319\

Data File : BN005467.D

Acq On : 04 May 2019 00:42

Operator : JU/SJ

Sample : K2456-03MEDL2 20X

Misc :

ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 04 07:22:05 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri May 03 03:02:31 2019

Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

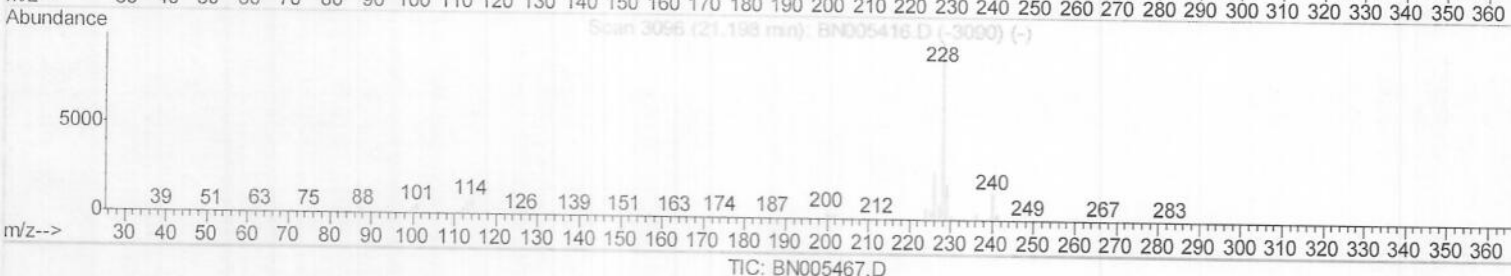
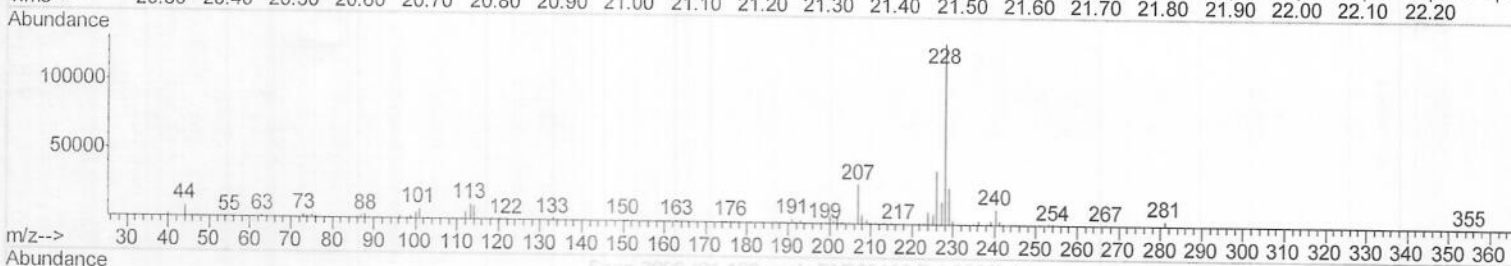
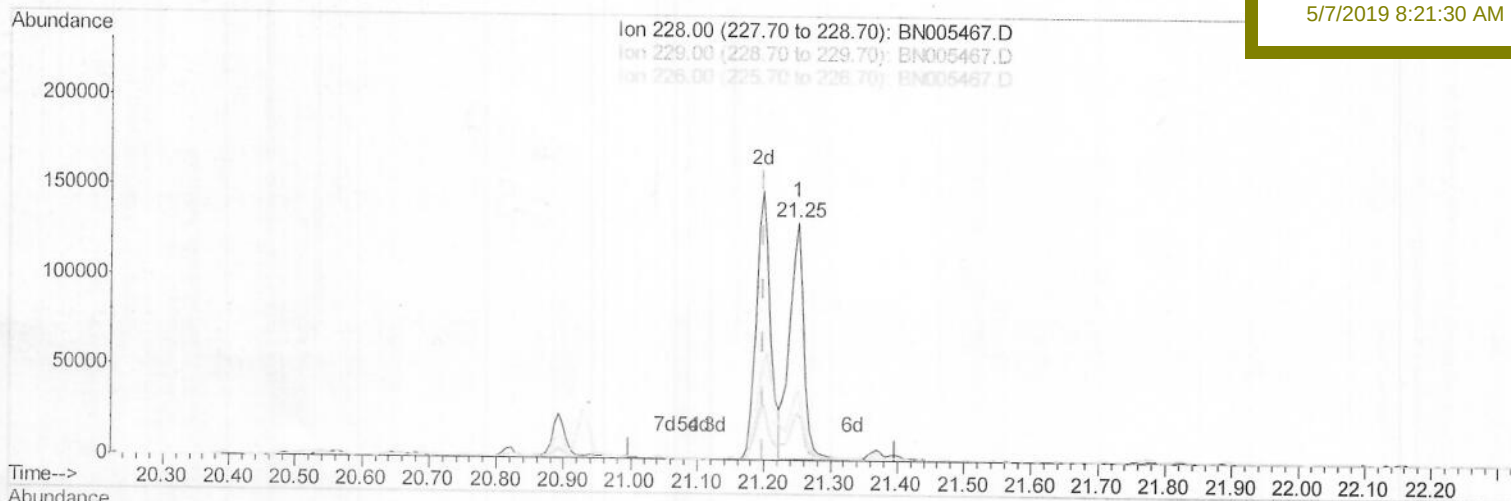
GAHS3MEDL

Manual Integrations

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5/7/2019 8:21:30 AM



(82) Benzo(a)anthracene

21.251min (+0.052) 2.67ng/ul

response 195450

Ion	Exp%	Act%
228.00	100	100
229.00	19.70	20.34
226.00	26.80	29.54
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050319\
Data File : BN005467.D
Acq On : 04 May 2019 00:42
Operator : JU/SJ
Sample : K2456-03MEDL2 20X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 04 07:22:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 03 03:02:31 2019
Response via : Initial Calibration

Instrument :

BNA_N

ClientSampleId :

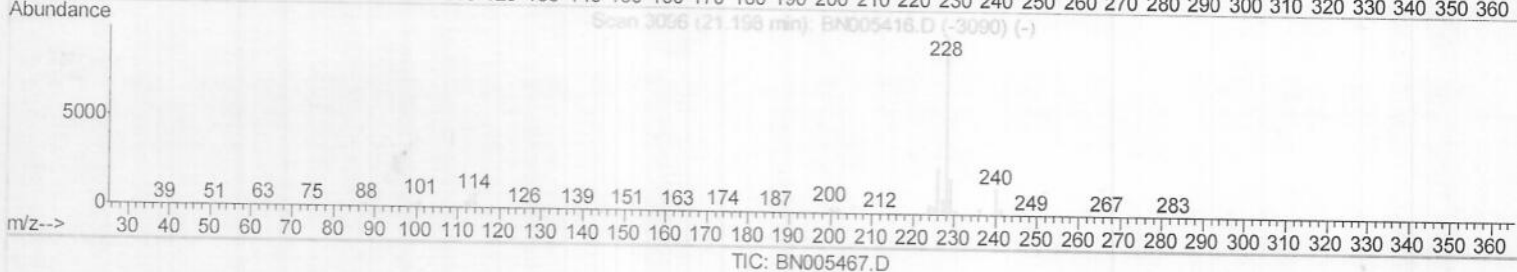
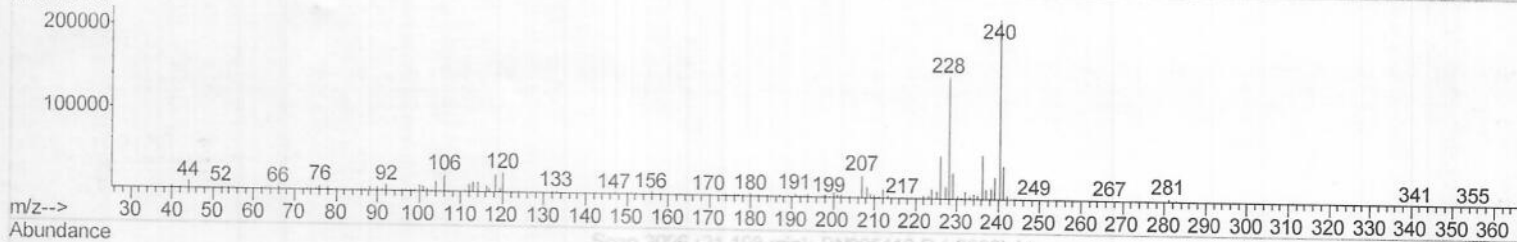
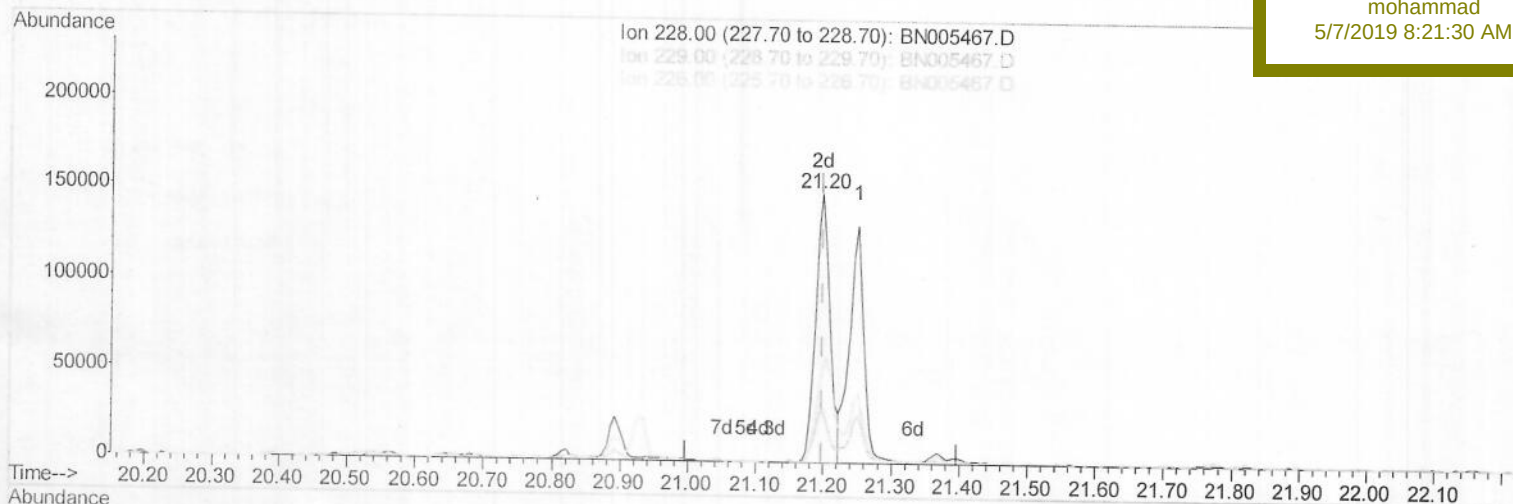
GAHS3MEDL

Manual Integrations

APPROVED

mohammad

5/7/2019 8:21:30 AM



(82) Benzo(a)anthracene

21.198min (-0.000) 3.05ng/ul m

response 222718

Ion	Exp%	Act%
228.00	100	100
229.00	19.70	21.06
226.00	26.80	35.17#
0.00	0.00	0.00

57
05/03/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050319\
 Data File : BN005467.D
 Acq On : 04 May 2019 00:42
 Operator : JU/SJ
 Sample : K2456-03MEDL2 20X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 Client Sample ID :
 GAHS3MEDL

Manual Integrations
 APPROVED

mohammad
 5/7/2019 8:21:30 AM

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 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	218473	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	953497	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	585059	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	1288372m	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	1174777	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	1239561	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	1341	0.30	ng/uL	0.00
5) Phenol-d5	6.77	99	23152	1.35	ng/ul	0.00
7) Bis-(2-Chloroethyl) ether-d	6.93	67	14784	1.38	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	19851	1.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	13412	1.00	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	10663	1.82	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	9158	1.54	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	14860	1.09	ng/ul	0.02
29) 4-Chloroaniline-d4	10.50	131	18005	1.28	ng/ul	0.01
43) Dimethylphthalate-d6	13.64	166	73175	1.72	ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	93338	1.79	ng/ul	0.00
51) 4-Nitrophenol-d4	14.50	143	2109m	0.31	ng/ul	0.06
57) Fluorene-d10	15.22	176	67907	1.91	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	1850m	0.32	ng/ul	0.01
70) Anthracene-d10	17.07	188	102066	1.89	ng/ul	0.00
78) Pyrene-d10	19.39	212	108910	1.81	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.28	264	93950	1.73	ng/ul	0.00
Target Compounds						
28) Naphthalene	10.40	128	2280127	51.439	ng/ul	99
34) 2-Methylnaphthalene	12.02	142	672297	20.714	ng/ul	98
40) 1,1'-Biphenyl	13.05	154	110819	2.542	ng/ul#	95
47) Acenaphthylene	13.94	152	356094	6.946	ng/ul	98
58) Fluorene	15.28	166	252153	6.413	ng/ul	99
69) Phenanthrene	17.02	178	1213090m	19.333	ng/ul	99
71) Anthracene	17.11	178	257043	4.021	ng/ul	99
76) Fluoranthene	19.06	202	466769	6.707	ng/ul	96
79) Pyrene	19.42	202	675502	8.930	ng/ul	94
82) Benzo(a)anthracene	21.20	228	222718m	3.047	ng/ul	98
84) Chrysene	21.25	228	196121	2.891	ng/ul	98
87) Benzo(b)fluoranthene	22.77	252	144922	2.080	ng/ul	99
90) Benzo(a)pyrene	23.33	252	153594	2.345	ng/ul	98

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