Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN021120\

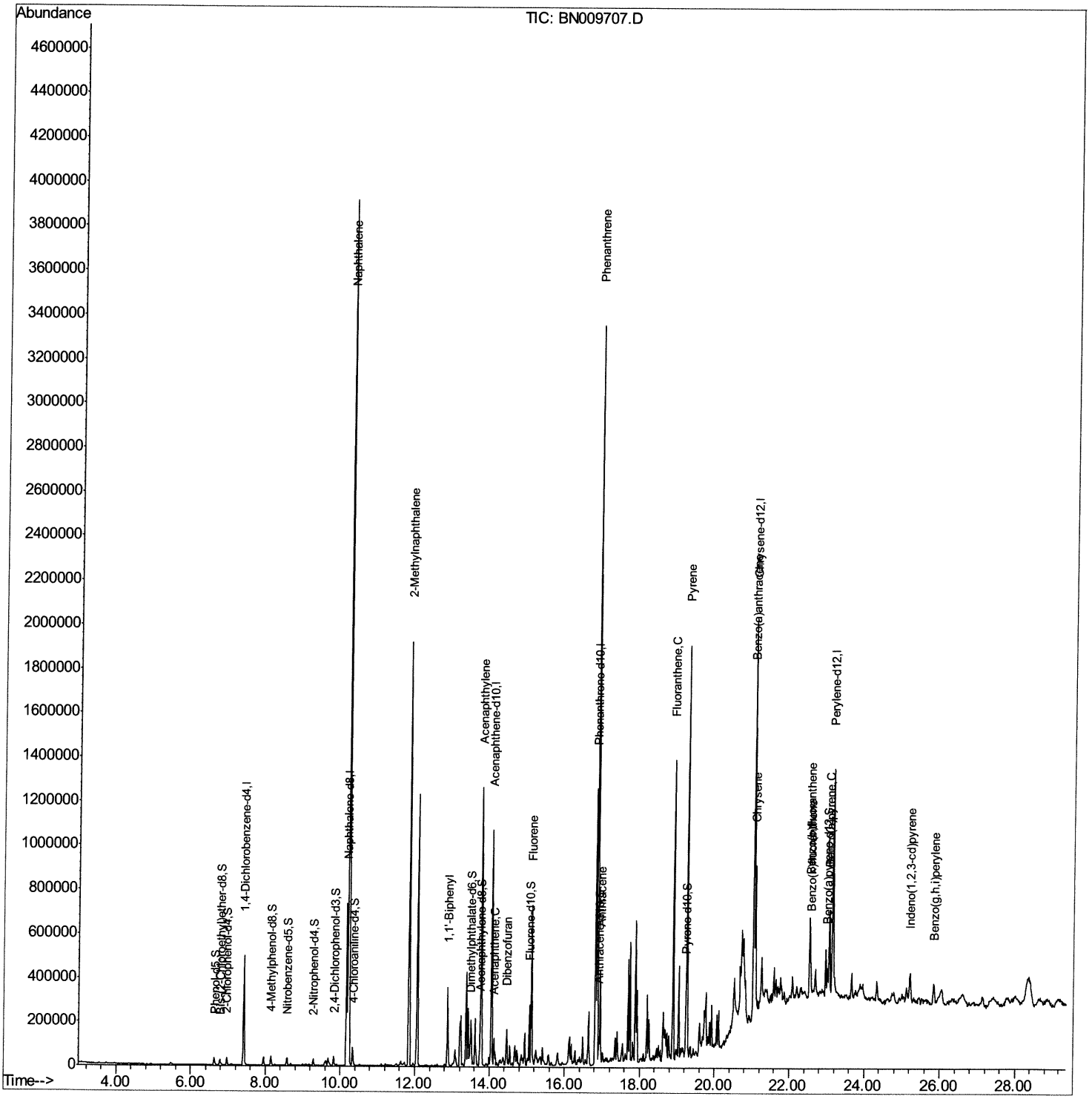
Quantitation Report (QT Reviewed)

Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 12 02:55:20 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 12 00:52:44 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAT62MEDL

Manual Integrations APPROVED
mohammad
2/13/2020 3:33:19 PM



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN021120\

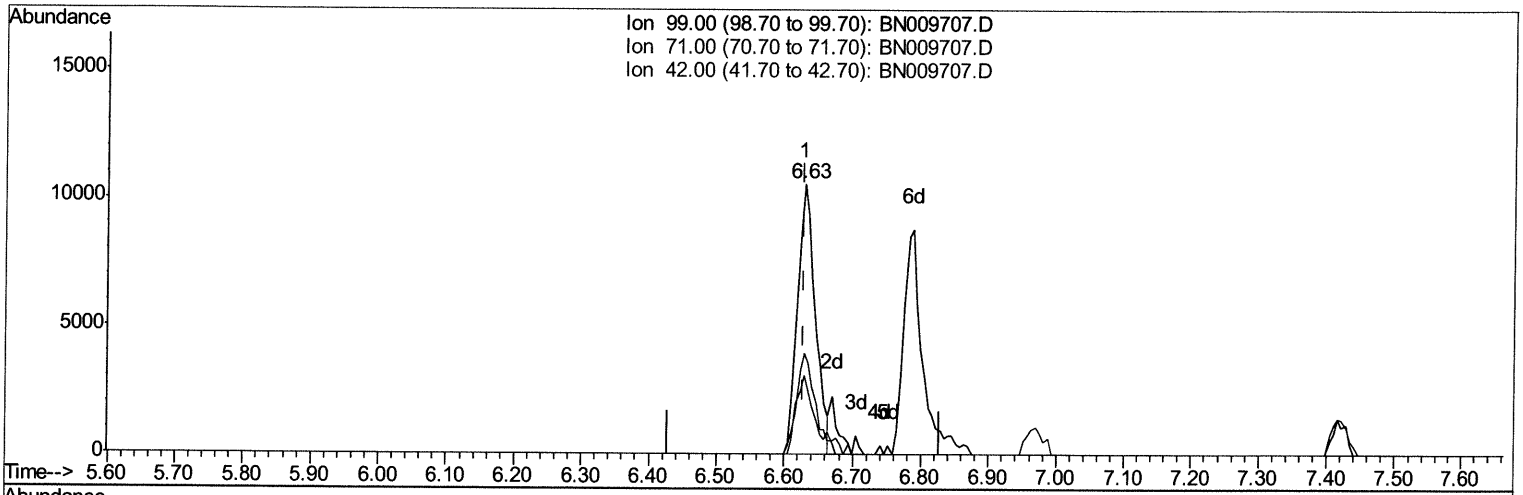
Quantitation Report (Qedit)

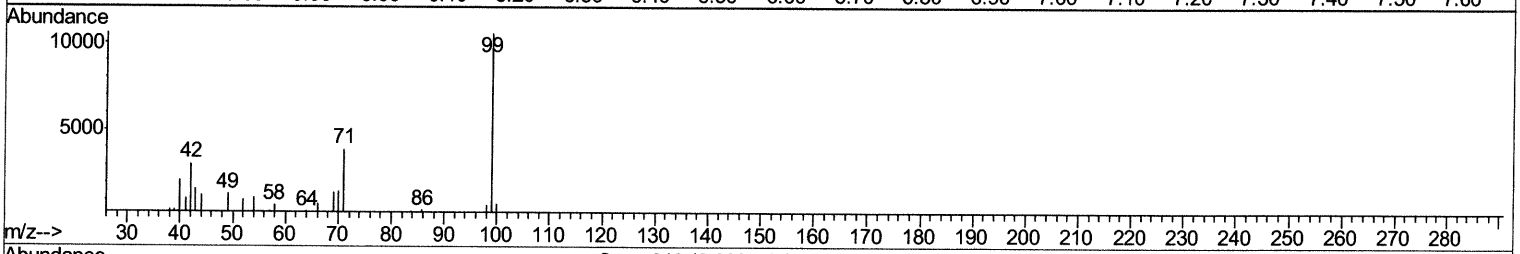
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

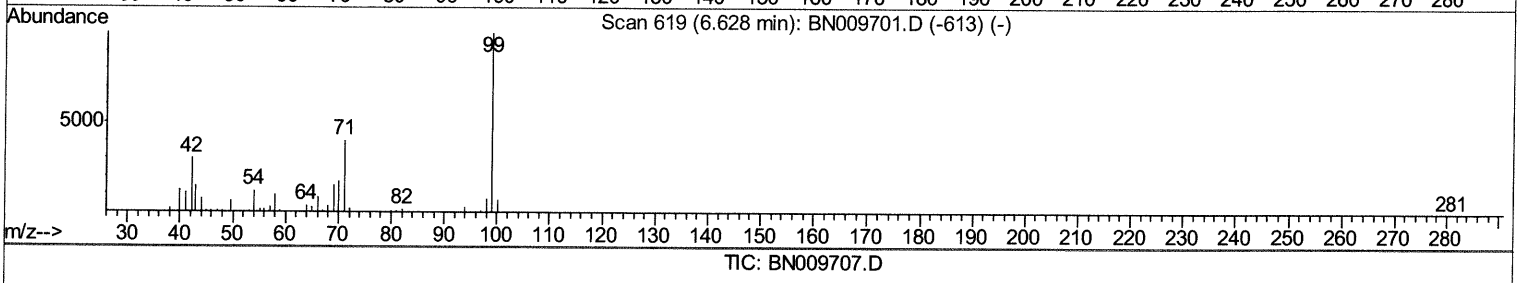
Quant Time: Feb 12 00:55:54 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 12 00:52:44 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAT62MEDL

Manual Integrations APPROVED
mohammad
2/13/2020 3:33:19 PM







TIC: BN009707.D

(5) Phenol-d5 (S)

6.628min (0.000) 1.78ng/ul

response 19247

Ion	Exp%	Act%
99.00	100	100
71.00	40.90	37.10
42.00	30.00	29.03
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN021120\

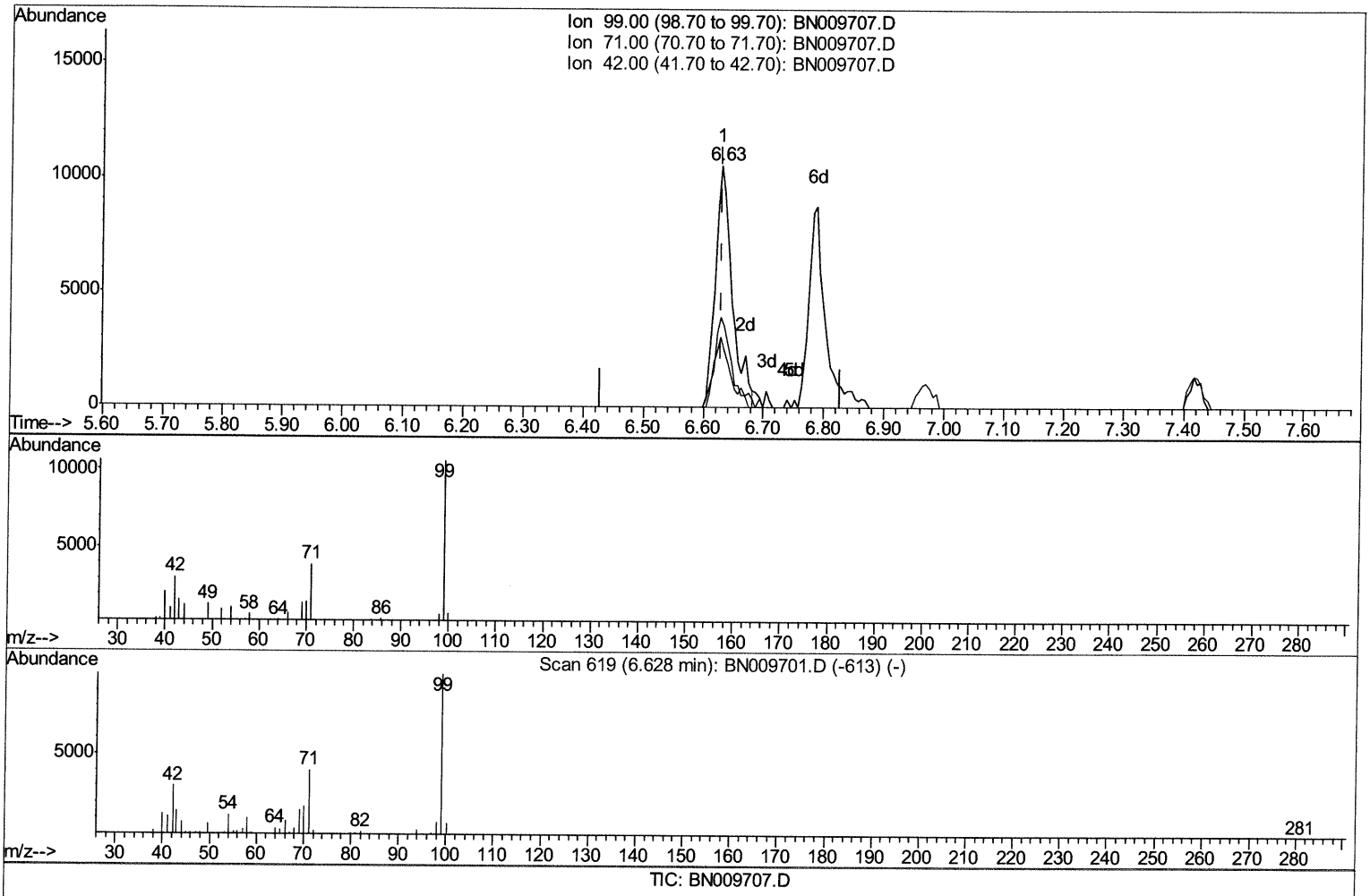
Quantitation Report (Qedit)

Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 12 00:55:54 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 12 00:52:44 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAT62MEDL

Manual Integrations APPROVED
mohammad
2/13/2020 3:33:19 PM



(5) Phenol-d5 (S)

6.628min (0.000) 1.91ng/ul m JU 02/14/20

response 20671

Ion	Exp%	Act%
99.00	100	100
71.00	40.90	37.10
42.00	30.00	29.03
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN021120\

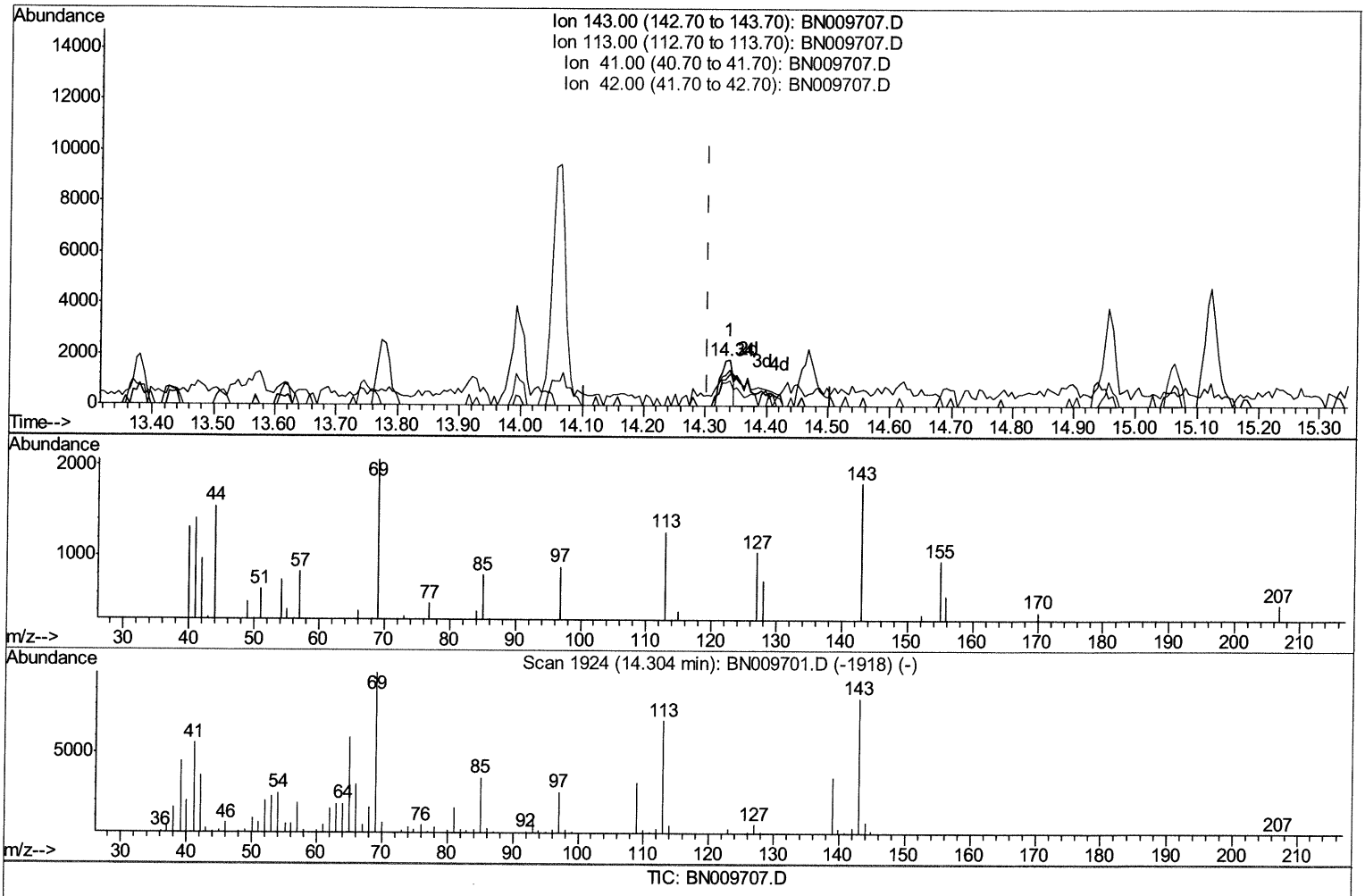
Quantitation Report (Qedit)

Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 12 00:55:54 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 12 00:52:44 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAT62MEDL

Manual Integrations APPROVED
mohammad
2/13/2020 3:33:19 PM



TIC: BN009707.D

(51) 4-Nitrophenol-d4 (S)

14.340min (+0.035) 0.54ng/ul

response 2464

Ion	Exp%	Act%
143.00	100	100
113.00	77.90	70.45
41.00	65.40	78.27
42.00	43.30	53.94#

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN021120\

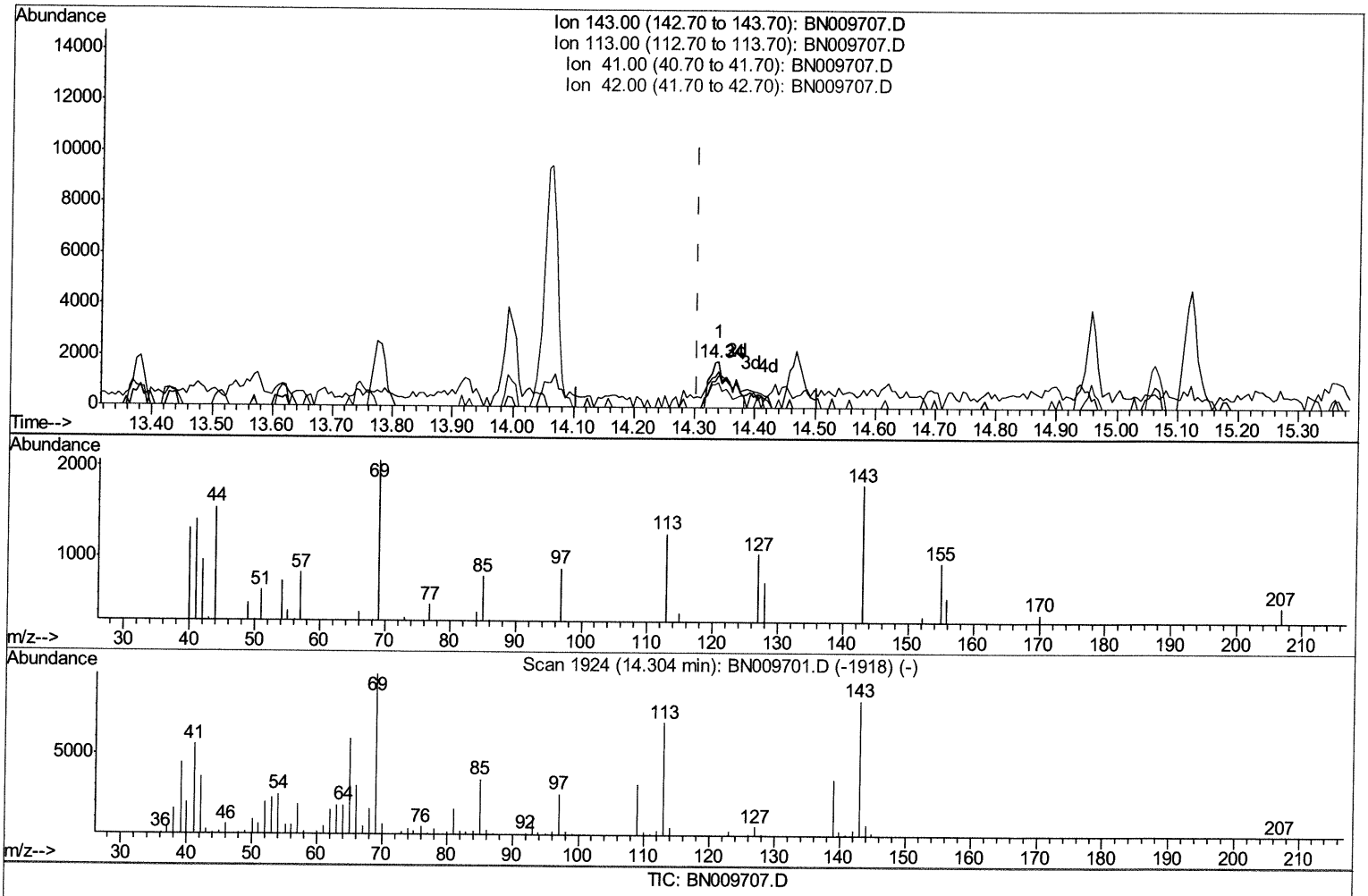
Quantitation Report (Qedit)

Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 12 00:55:54 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 12 00:52:44 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAT62MEDL

Manual Integrations APPROVED
mohammad
2/13/2020 3:33:19 PM



TIC: BN009707.D

(51) 4-Nitrophenol-d4 (S)

14.340min (+0.035) 0.93ng/ul m JU 02/14/20

response 4230

Ion	Exp%	Act%
143.00	100	100
113.00	77.90	70.45
41.00	65.40	78.27
42.00	43.30	53.94#

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN021120\

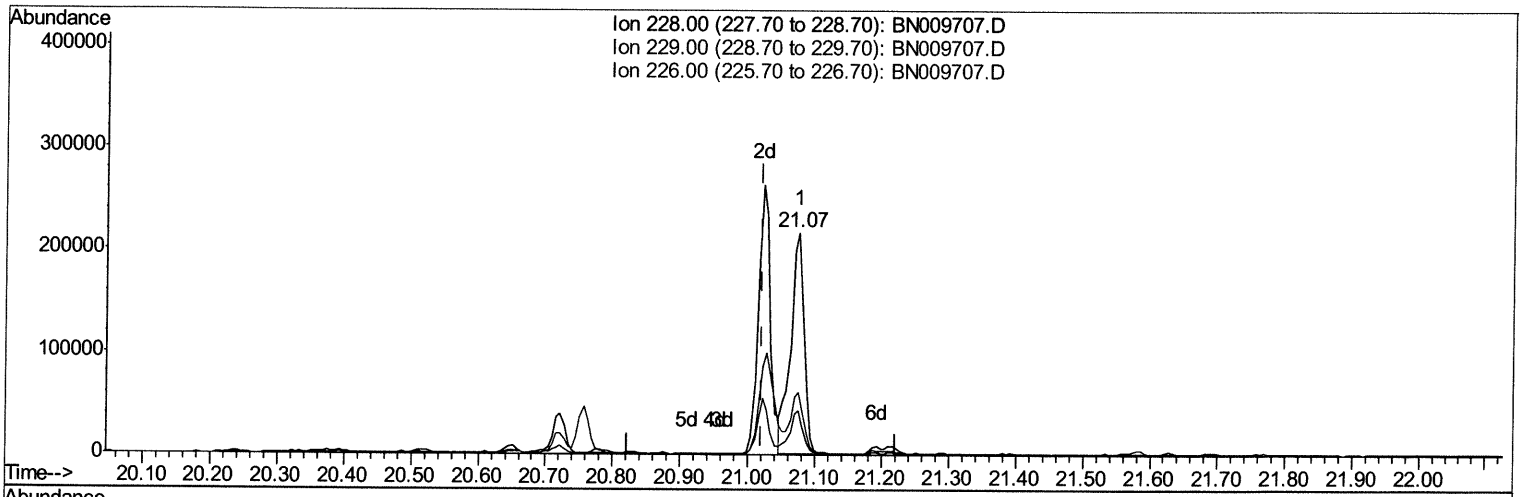
Quantitation Report (Qedit)

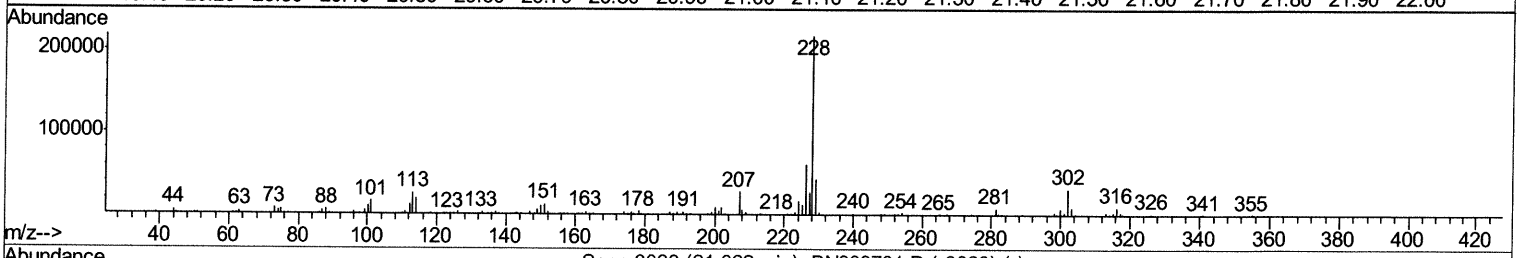
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

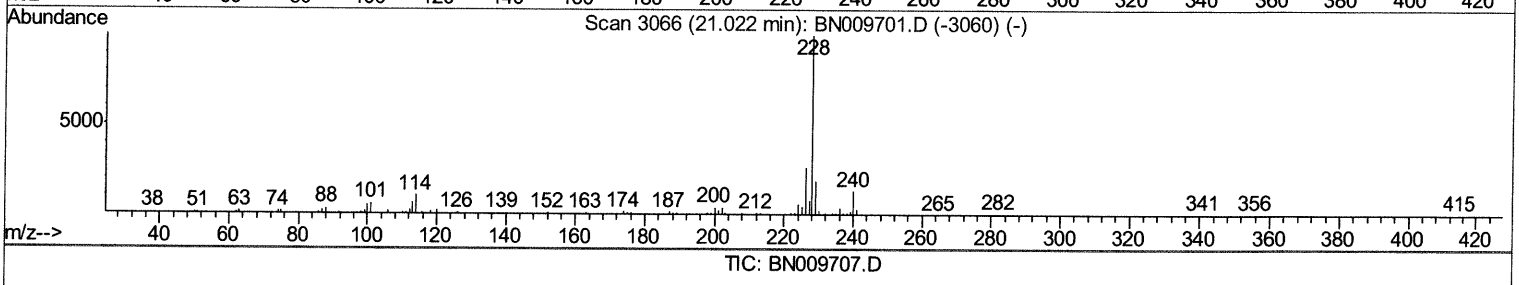
Quant Time: Feb 12 00:55:54 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 12 00:52:44 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAT62MEDL

Manual Integrations APPROVED
mohammad
2/13/2020 3:33:19 PM







TIC: BN009707.D

(82) Benzo(a)anthracene

21.075min (+0.053) 6.94ng/ul

response 304379

Ion	Exp%	Act%
228.00	100	100
229.00	18.70	19.81
226.00	26.10	28.20
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN021120\

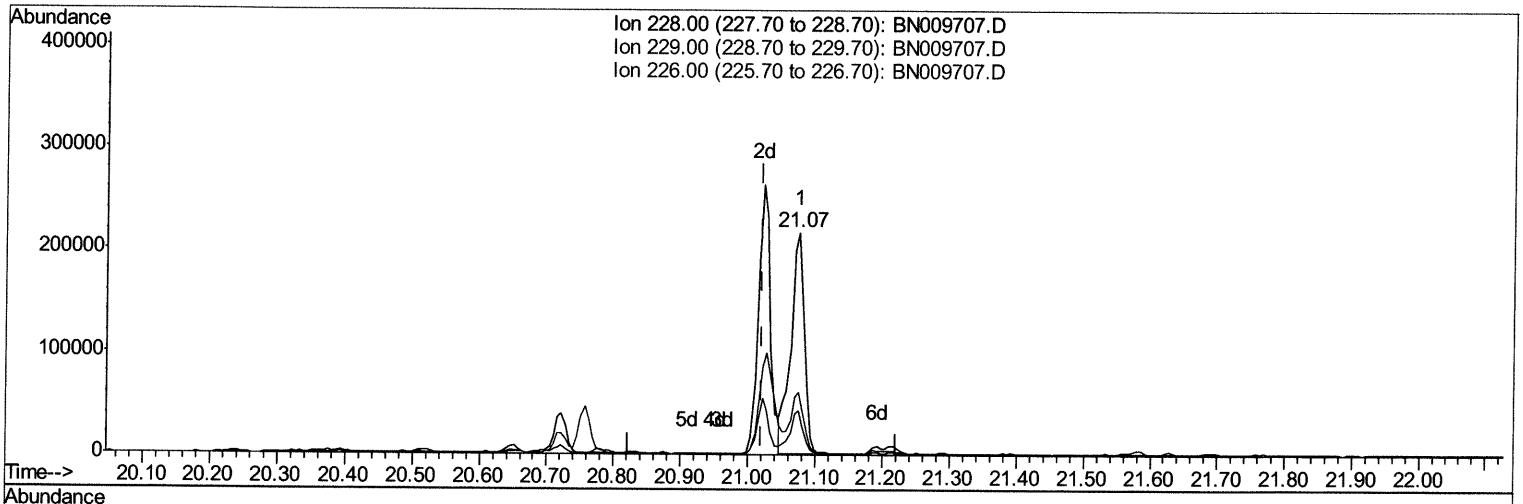
Quantitation Report (Qedit)

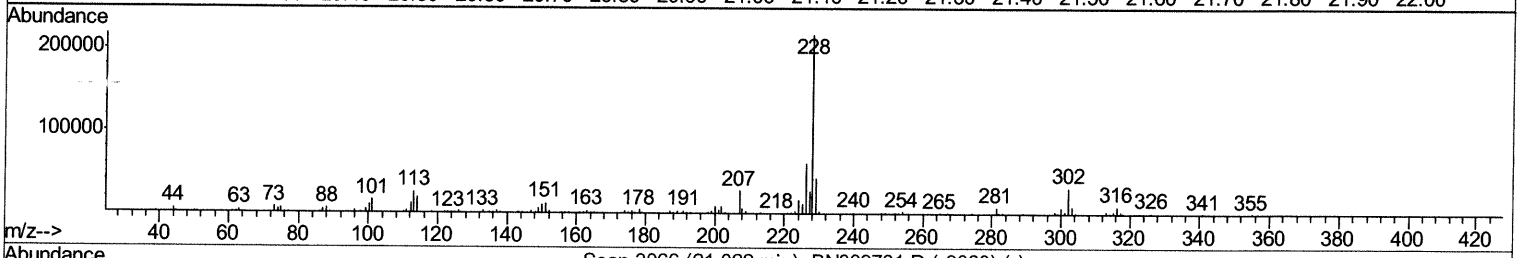
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

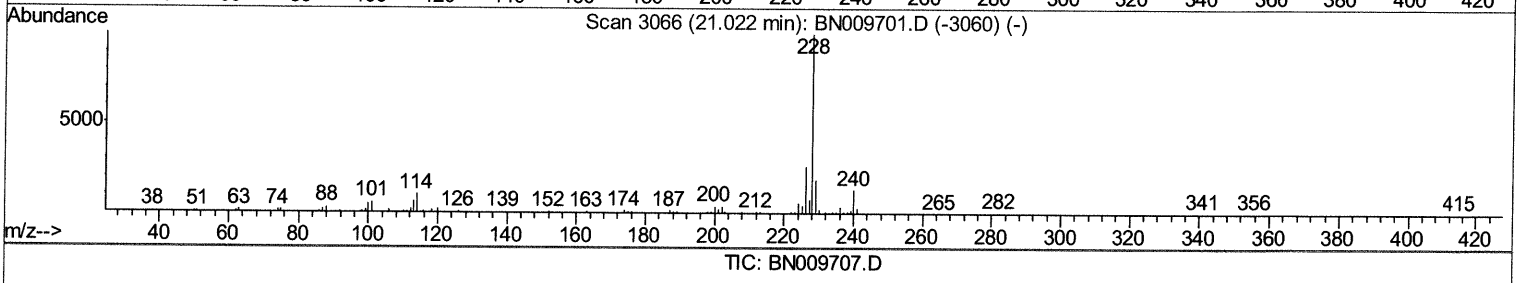
Quant Time: Feb 12 00:55:54 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 12 00:52:44 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAT62MEDL

Manual Integrations APPROVED
mohammad
2/13/2020 3:33:19 PM







TIC: BN009707.D

(82) Benzo(a)anthracene

21.075min (+0.053) 6.94ng/ul

response 304379

Ion	Exp%	Act%
228.00	100	100
229.00	18.70	19.81
226.00	26.10	28.20
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN021120\

Quantitation Report (Qedit)

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Acq On : 11 Feb 2020 16:55
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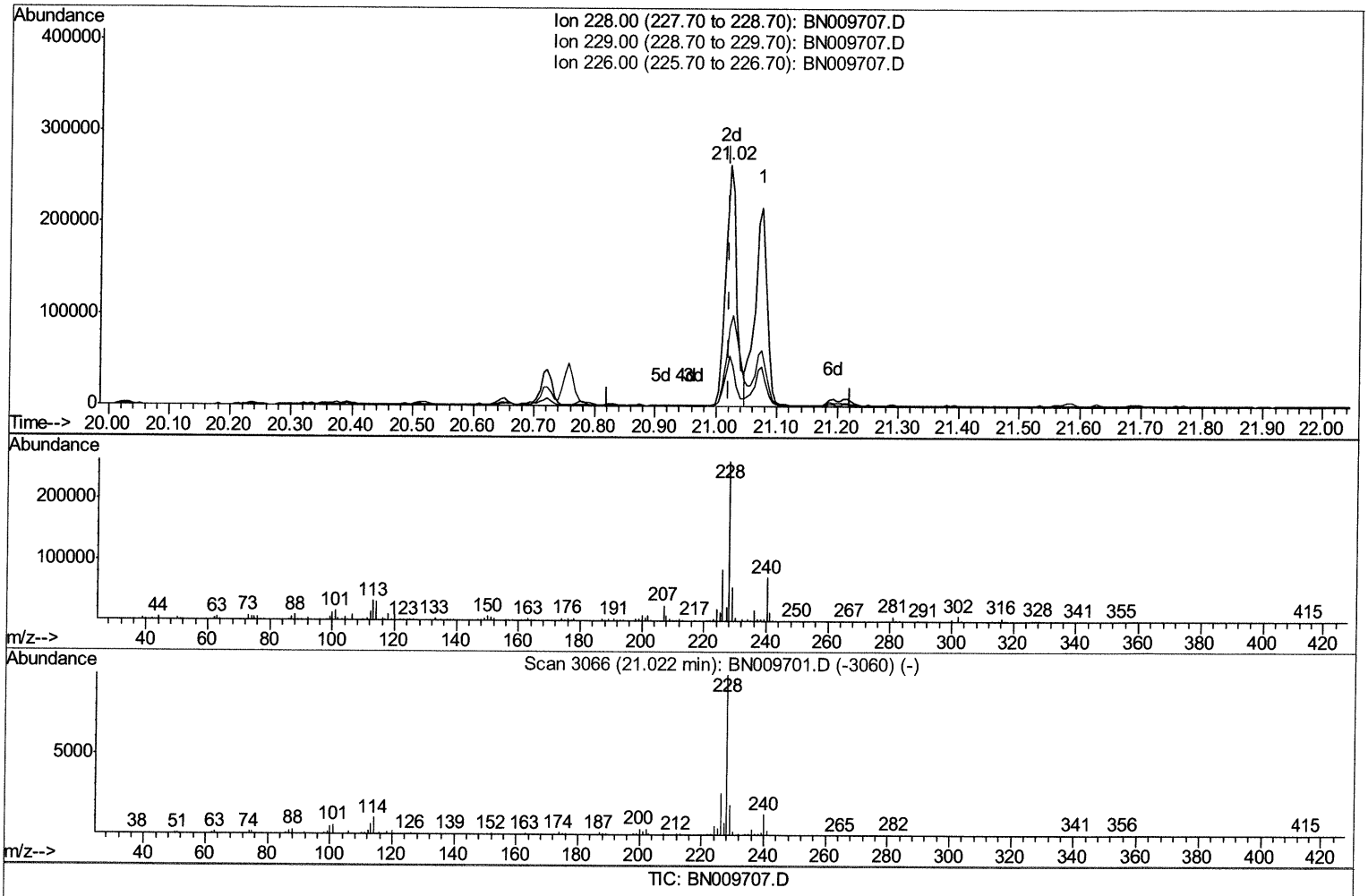
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 12 00:55:54 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 12 00:52:44 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAT62MEDL

Manual Integrations APPROVED
mohammad
2/13/2020 3:33:19 PM



TIC: BN009707.D

(82) Benzo(a)anthracene

21.022min (0.000) 7.70ng/ul m JU 02/14/20

response 337883

Ion	Exp%	Act%
228.00	100	100
229.00	18.70	21.11
226.00	26.10	32.52#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN021120\

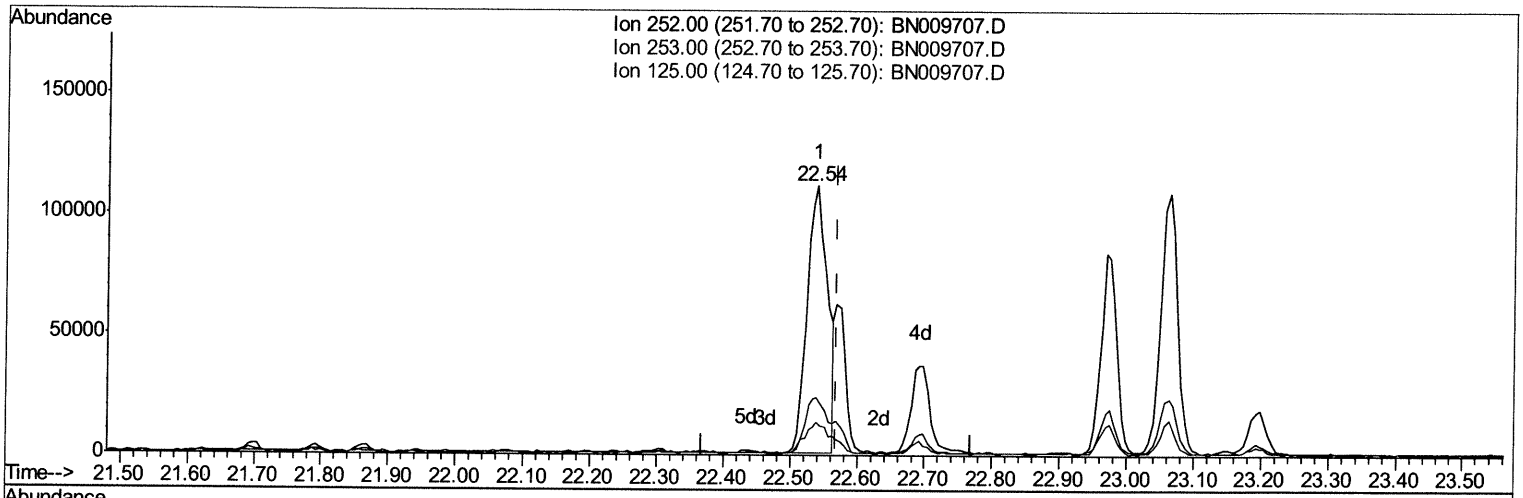
Quantitation Report (Qedit)

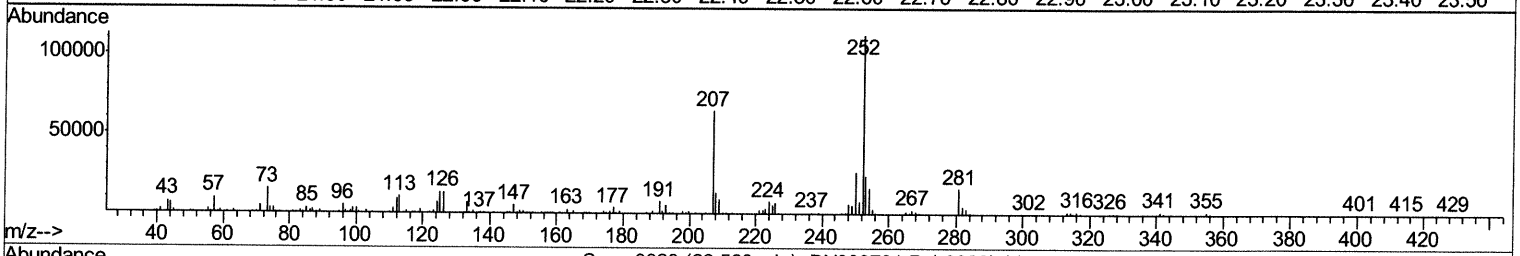
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

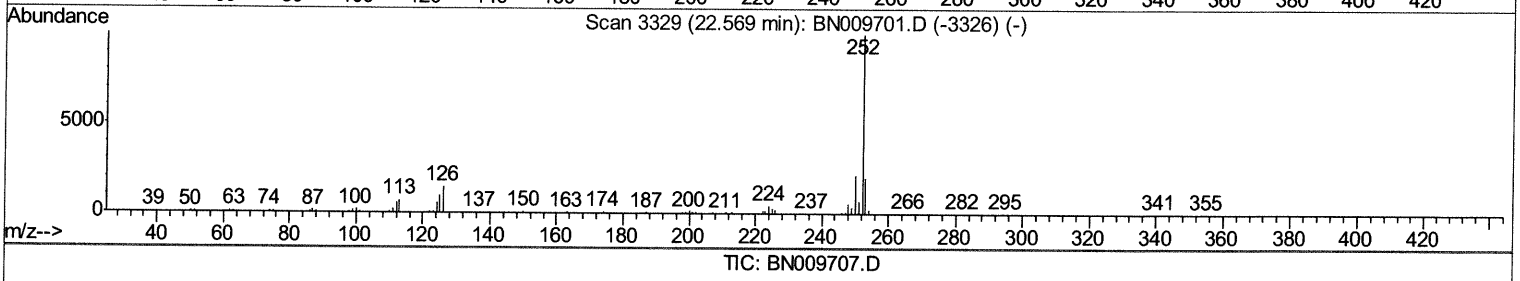
Quant Time: Feb 12 00:55:54 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 12 00:52:44 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAT62MEDL

Manual Integrations APPROVED
mohammad
2/13/2020 3:33:19 PM







TIC: BN009707.D

(88) Benzo(k)fluoranthene

22.539min (-0.029) 6.12ng/ul

response 239225

Ion	Exp%	Act%
252.00	100	100
253.00	21.20	21.48
125.00	10.00	12.07#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN021120\

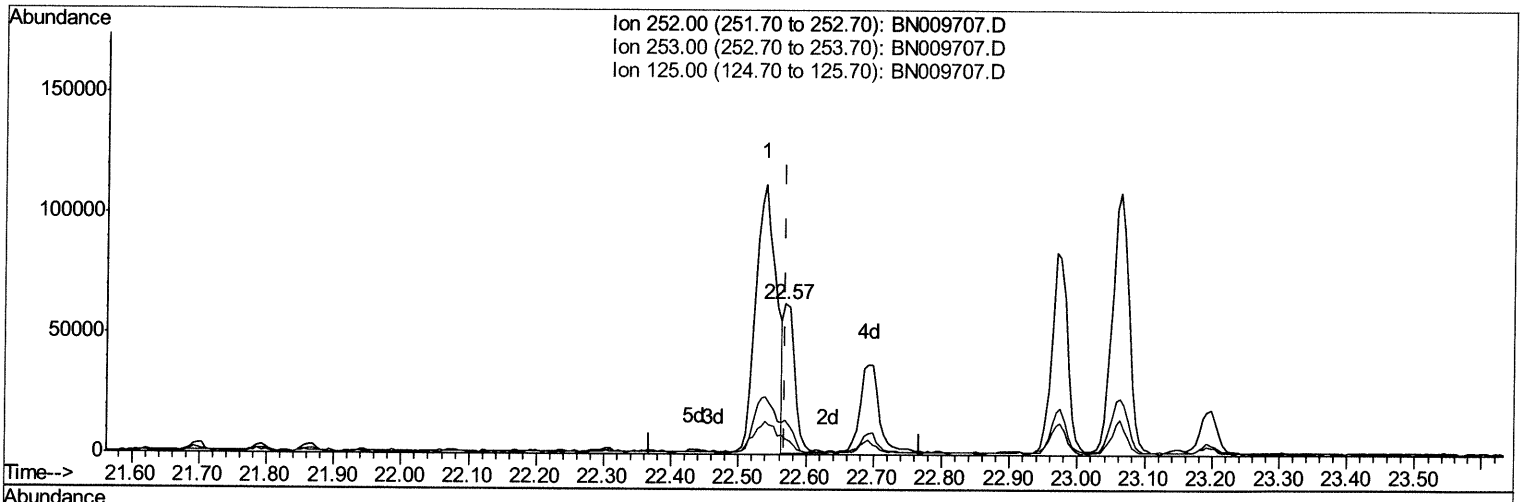
Quantitation Report (Qedit)

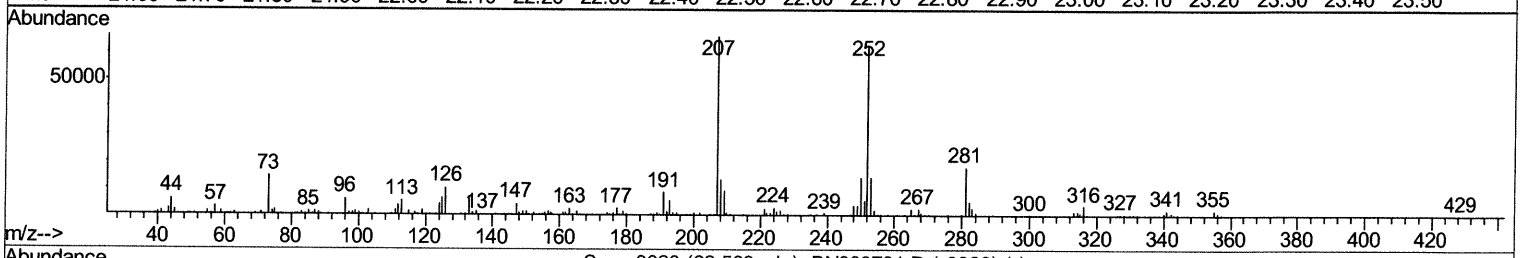
Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

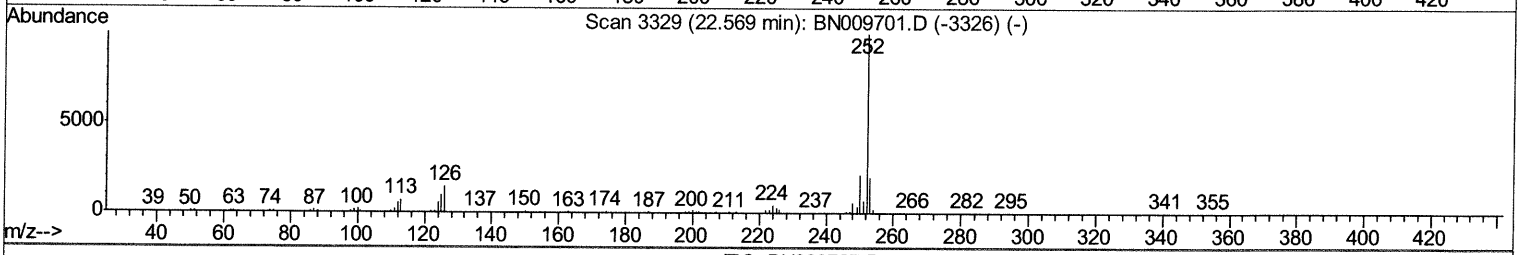
Quant Time: Feb 12 00:55:54 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 12 00:52:44 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAT62MEDL

Manual Integrations APPROVED
mohammad
2/13/2020 3:33:19 PM







TIC: BN009707.D

(88) Benzo(k)fluoranthene

22.569min (0.000) 1.81ng/ul m JU 02/14/20

response 70823

Ion	Exp%	Act%
252.00	100	100
253.00	21.20	23.23
125.00	10.00	10.95
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN021120\

Quantitation Report (QT Reviewed)

Data File : BN009707.D
Acq On : 11 Feb 2020 16:55
Operator : CG/JU
Sample : L1324-05MEDL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 12 02:55:20 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 12 00:52:44 2020
Response via : Initial Calibration

Instrument : BNA_N
ClientSampleId : GAT62MEDL

Manual Integrations APPROVED
mohammad
2/13/2020 3:33:19 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
1) 1,4-Dichlorobenzene-d4	7.42	152	124059	20.00	ng/ul	-0.01	
18) Naphthalene-d8	10.17	136	533301	20.00	ng/ul	0.00	
35) Acenaphthene-d10	14.06	164	331447	20.00	ng/ul	0.00	
61) Phenanthrene-d10	16.82	188	691673	20.00	ng/ul	0.00	
77) Chrysene-d12	21.04	240	635637	20.00	ng/ul	0.00	
85) Perylene-d12	23.15	264	634092	20.00	ng/ul	0.00	
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.08	96	894	0.30	ng/uL	0.00	
5) Phenol-d5	6.63	99	20671m >	1.91	ng/ul >	0.00	JU 02/14/20
7) Bis-(2-Chloroethyl)ether-d	6.78	67	14613	2.01	ng/ul	0.00	
9) 2-Chlorophenol-d4	6.97	132	16862	2.12	ng/ul	0.00	
13) 4-Methylphenol-d8	8.14	113	17771	2.06	ng/ul	0.00	
19) Nitrobenzene-d5	8.57	128	7888	1.99	ng/ul	0.00	
22) 2-Nitrophenol-d4	9.29	143	8693	1.96	ng/ul	0.00	
26) 2,4-Dichlorophenol-d3	9.83	165	16192	1.95	ng/ul	0.02	
29) 4-Chloroaniline-d4	10.33	131	20190	2.26	ng/ul	0.00	
43) Dimethylphthalate-d6	13.49	166	61068	2.52	ng/ul	0.00	
46) Acenaphthylene-d8	13.75	160	70206	2.40	ng/ul	0.00	
51) 4-Nitrophenol-d4	14.34	143	4230m >	0.93	ng/ul >	0.04	JU 02/14/20
57) Fluorene-d10	15.06	176	54095	2.54	ng/ul	0.00	
62) 4,6-Dinitro-2-methylphenol	15.23	200	3884	0.90	ng/ul	0.01	
70) Anthracene-d10	16.92	188	82542	2.63	ng/ul	0.00	
78) Pyrene-d10	19.23	212	89956	2.69	ng/ul	0.00	
89) Benzo(a)pyrene-d12	23.02	264	84600	2.71	ng/ul	0.00	
Target Compounds						Qvalue	
28) Naphthalene	10.22	128	2816121	97.375	ng/ul	100	
34) 2-Methylnaphthalene	11.84	142	869190	42.946	ng/ul	96	
40) 1,1'-Biphenyl	12.88	154	173404	6.719	ng/ul	96	
47) Acenaphthylene	13.77	152	770144	24.072	ng/ul	99	
49) Acenaphthene	14.13	153	48148	2.214	ng/ul	91	
53) Dibenzofuran	14.47	168	60438	1.996	ng/ul	99	
58) Fluorene	15.12	166	321356	12.696	ng/ul	100	
69) Phenanthrene	16.86	178	1855327	47.035	ng/ul	99	
71) Anthracene	16.95	178	244301	6.104	ng/ul	98	
76) Fluoranthene	18.89	202	744787	16.544	ng/ul	100	
79) Pyrene	19.26	202	1023076	22.048	ng/ul	99	
82) Benzo(a)anthracene	21.02	228	337883m >	7.699	ng/ul >		JU 02/14/20
84) Chrysene	21.07	228	304528	6.970	ng/ul	99	
87) Benzo(b)fluoranthene	22.54	252	239225	6.030	ng/ul	98	
88) Benzo(k)fluoranthene	22.57	252	70823m >	1.813	ng/ul >		JU 02/14/20
90) Benzo(a)pyrene	23.06	252	187075	5.090	ng/ul#	95	
91) Indeno(1,2,3-cd)pyrene	25.22	276	103736	2.374	ng/ul	91	
93) Benzo(g,h,i)perylene	25.83	276	100993	2.757	ng/ul#	91	

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