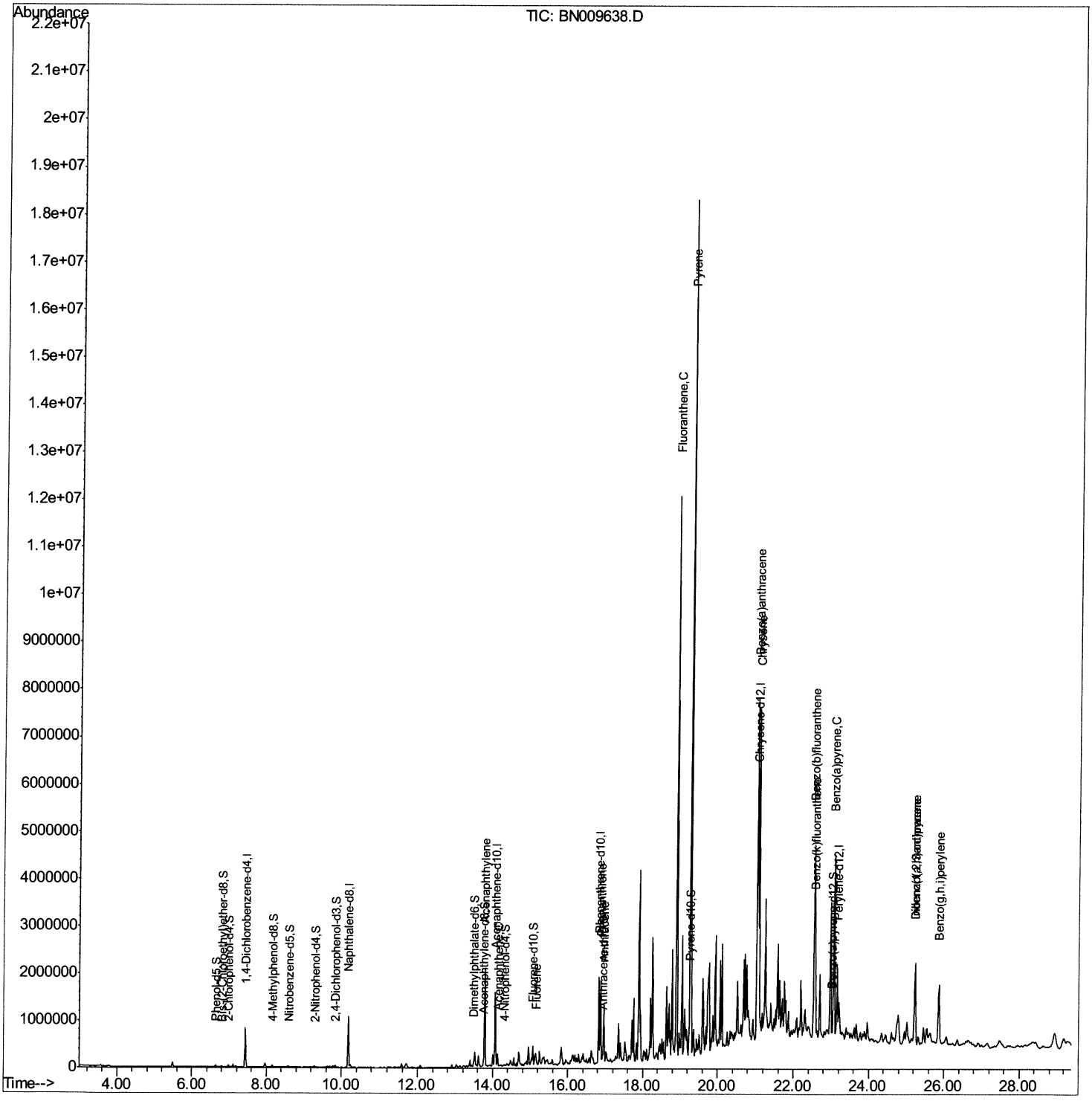
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN020620\
Data File : BN009638.D
Acq On : 07 Feb 2020 08:59
Operator : CG/JU
Sample : L1324-18 10X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Feb 07 13:54:51 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 07 11:12:58 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAT73

Manual Integrations APPROVED
mohammad
2/10/2020 8:20:30 AM



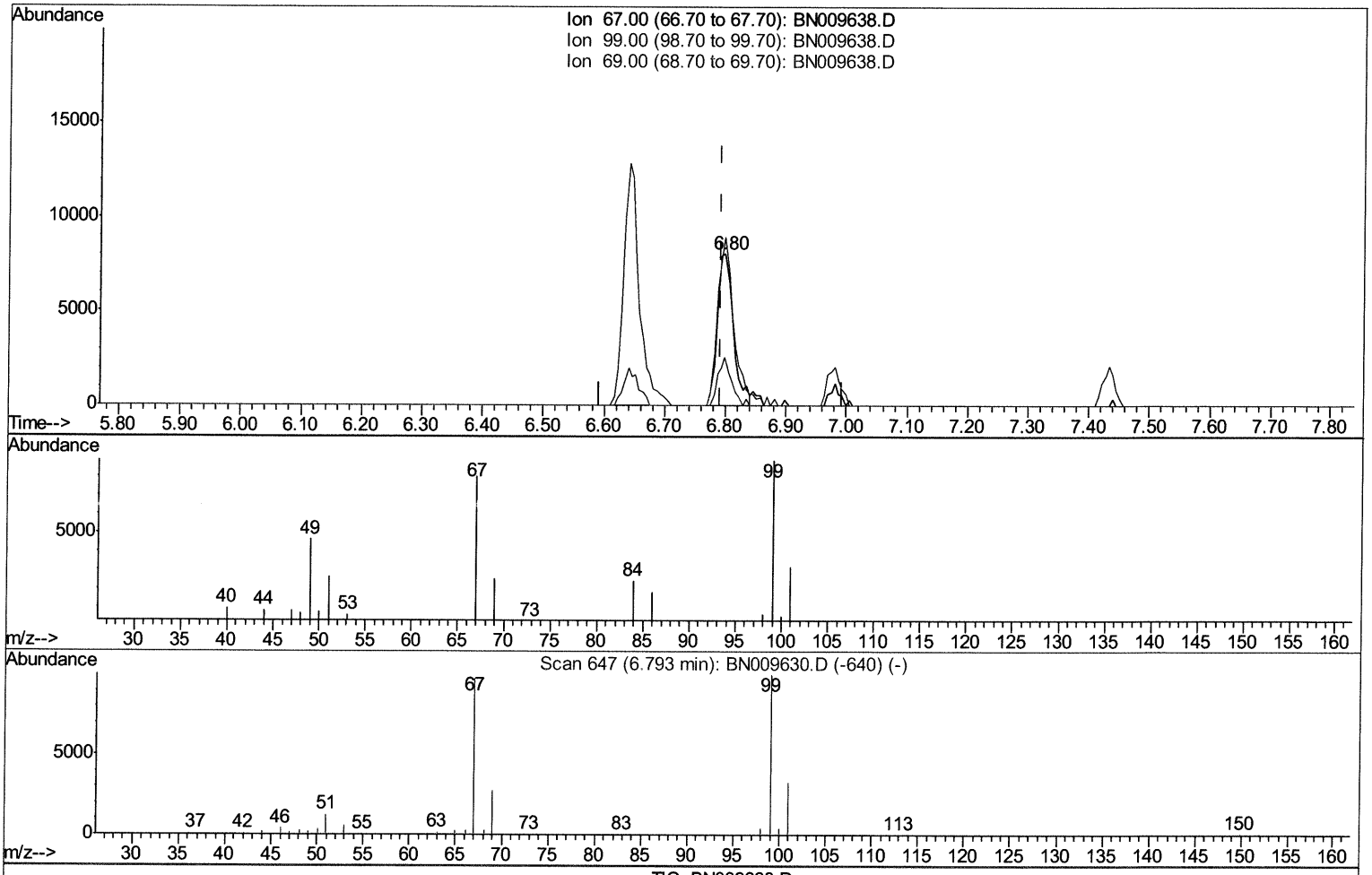
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN020620\
Data File : BN009638.D
Acq On : 07 Feb 2020 08:59
Operator : CG/JU
Sample : L1324-18 10X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Feb 07 11:17:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 07 11:12:58 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAT73

Manual Integrations APPROVED
mohammad
2/10/2020 8:20:30 AM



TIC: BN009638.D

(7) Bis-(2-Chloroethyl)ether-d8 (S)

6.799min (+0.006) 1.31ng/ul

response 14818

Ion	Exp%	Act%
67.00	100	100
99.00	108.20	110.69
69.00	29.50	31.96
0.00	0.00	0.00

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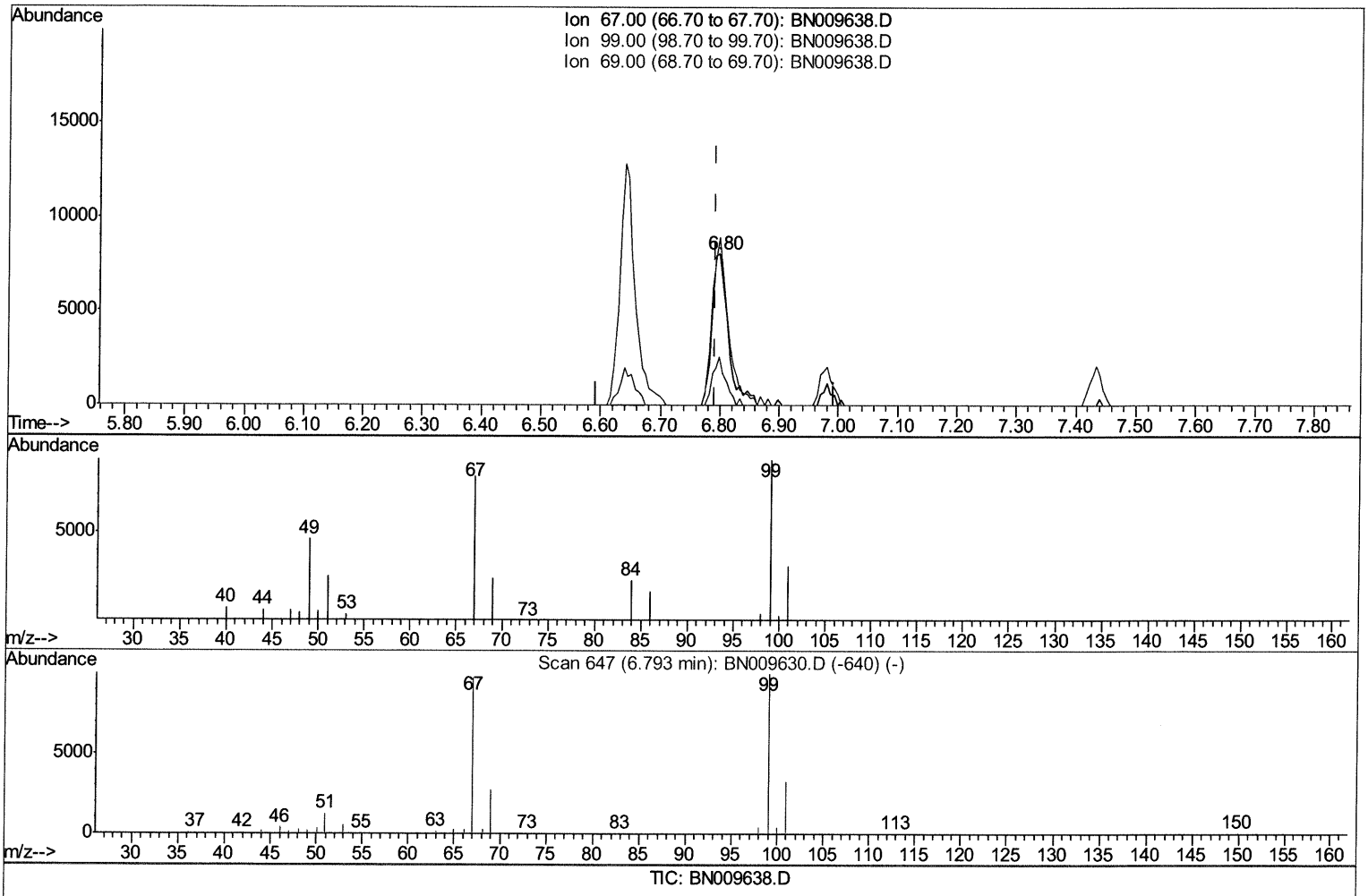
Instrument :
BNA_N
ClientSampleId :
GAT73

Manual Integrations APPROVED
mohammad
2/10/2020 8:20:30 AM



TIC: BN009638.D

(7) Bis-(2-Chloroethyl)ether-d8 (S)

6.799min (+0.006) 1.37ng/ul m JU 02/13/20

response 15446

Ion	Exp%	Act%
67.00	100	100
99.00	108.20	110.69
69.00	29.50	31.96
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN020620\
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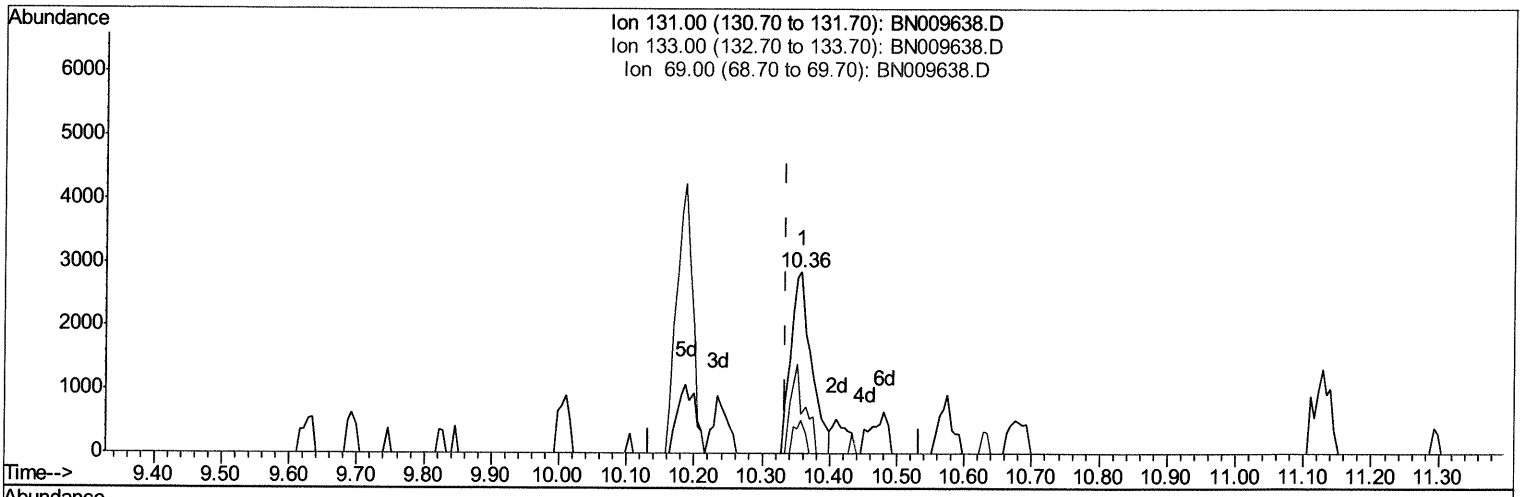
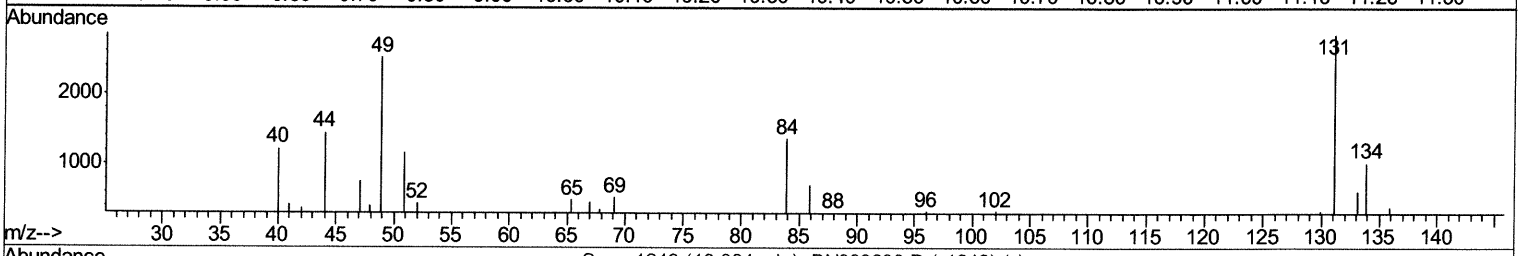
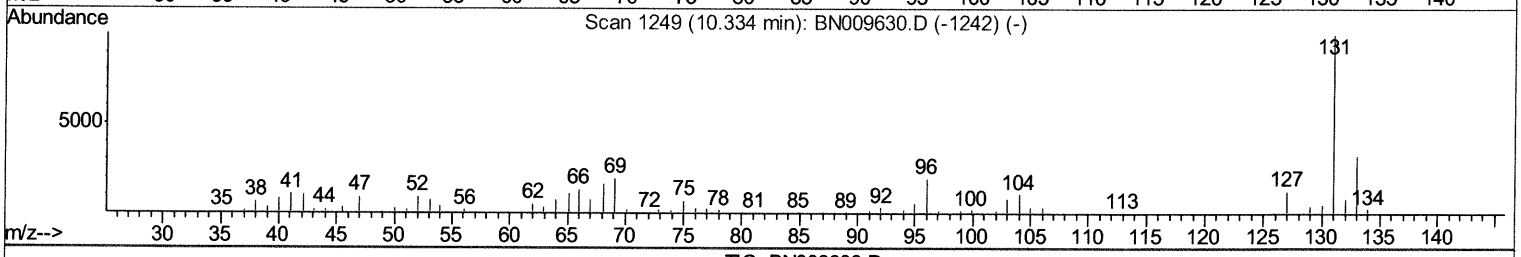
Instrument :
BNA_N
ClientSampleId :
GAT73

Manual Integrations APPROVED
mohammad
2/10/2020 8:20:30 AM







TIC: BN009638.D

(29) 4-Chloroaniline-d4 (S)

10.357min (+0.024) 0.44ng/ul

response 6031

Ion	Exp%	Act%
131.00	100	100
133.00	32.50	21.66#
69.00	21.00	18.46
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN020620\
Data File : BN009638.D
Acq On : 07 Feb 2020 08:59
Operator : CG/JU
Sample : L1324-18 10X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Feb 07 11:17:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
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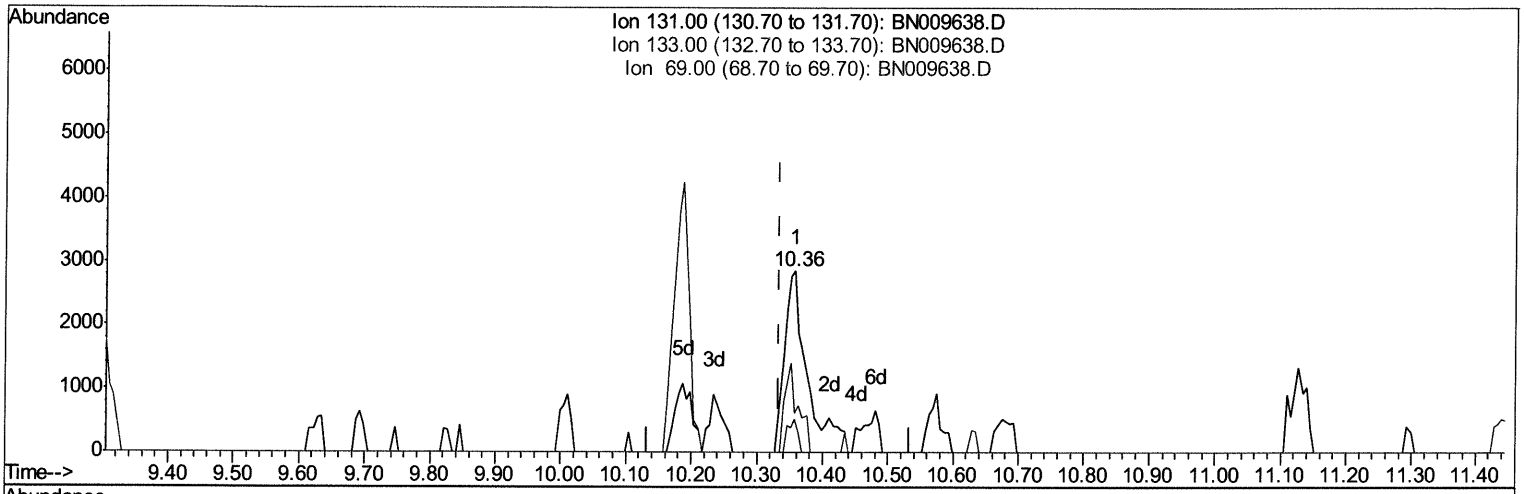
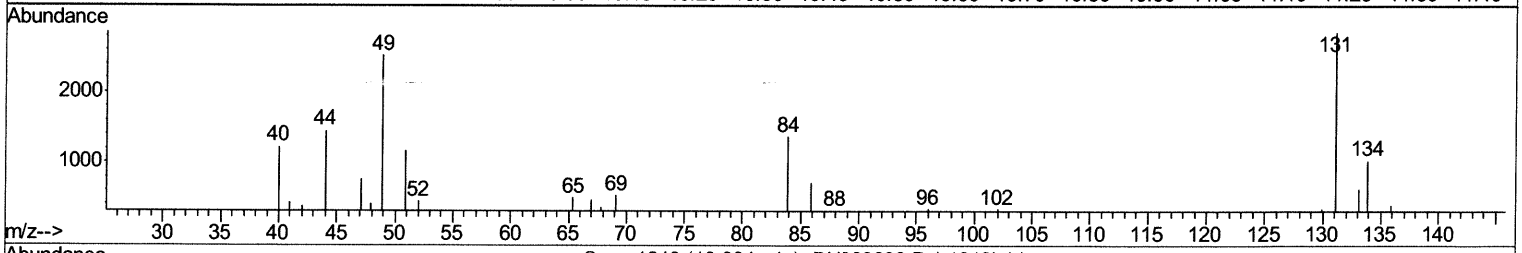
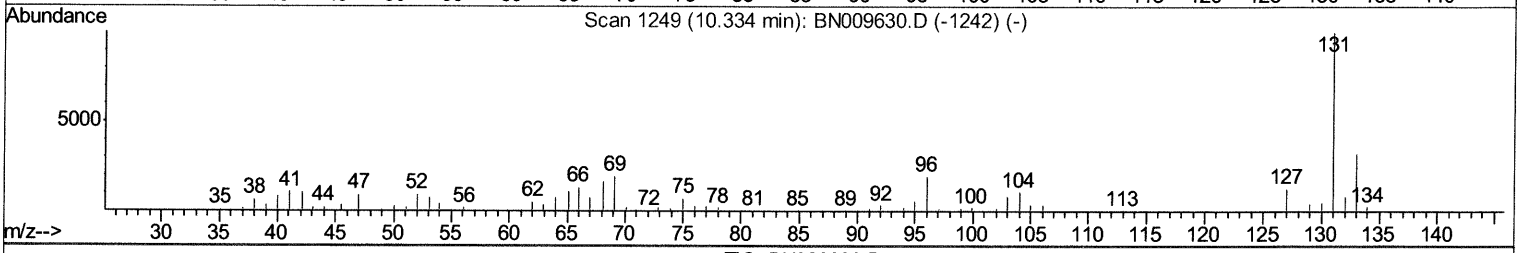
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAT73

Manual Integrations APPROVED
mohammad
2/10/2020 8:20:30 AM







TIC: BN009638.D

(29) 4-Chloroaniline-d4 (S)

10.357min (+0.024) 0.50ng/ul m JU 02/13/20

response 6896

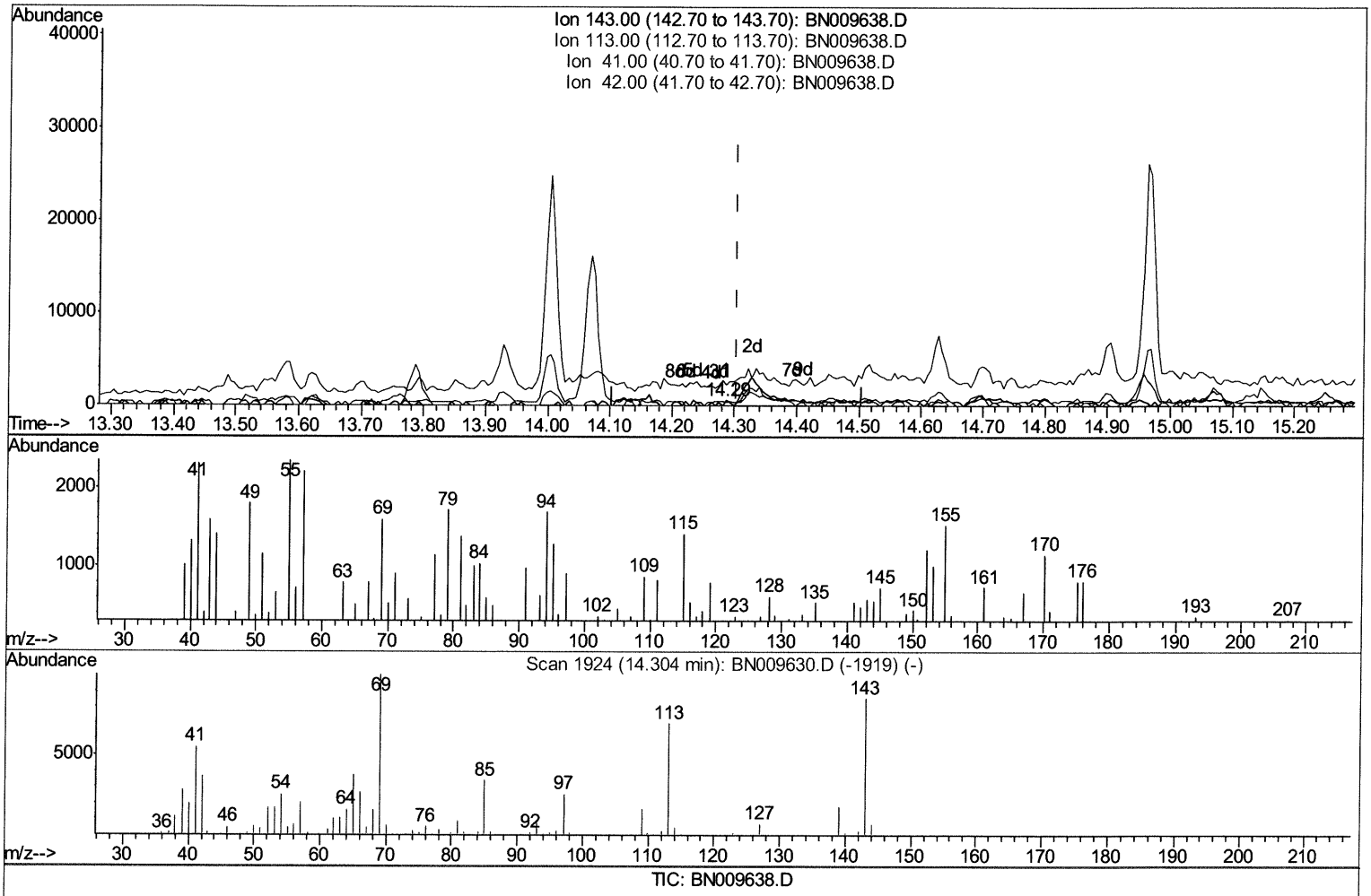
Ion	Exp%	Act%
131.00	100	100
133.00	32.50	21.66#
69.00	21.00	18.46
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN020620\
Data File : BN009638.D
Acq On : 07 Feb 2020 08:59
Operator : CG/JU
Sample : L1324-18 10X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Feb 07 11:17:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 07 11:12:58 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAT73

Manual Integrations APPROVED
mohammad
2/10/2020 8:20:30 AM



TIC: BN009638.D

(51) 4-Nitrophenol-d4 (S)

14.287min (-0.018) 0.05ng/ul

response 314

Ion	Exp%	Act%
143.00	100	100
113.00	77.90	0.00#
41.00	65.40	393.00#
42.00	43.30	71.16#

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN020620\
Data File : BN009638.D
Acq On : 07 Feb 2020 08:59
Operator : CG/JU
Sample : L1324-18 10X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Feb 07 11:17:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
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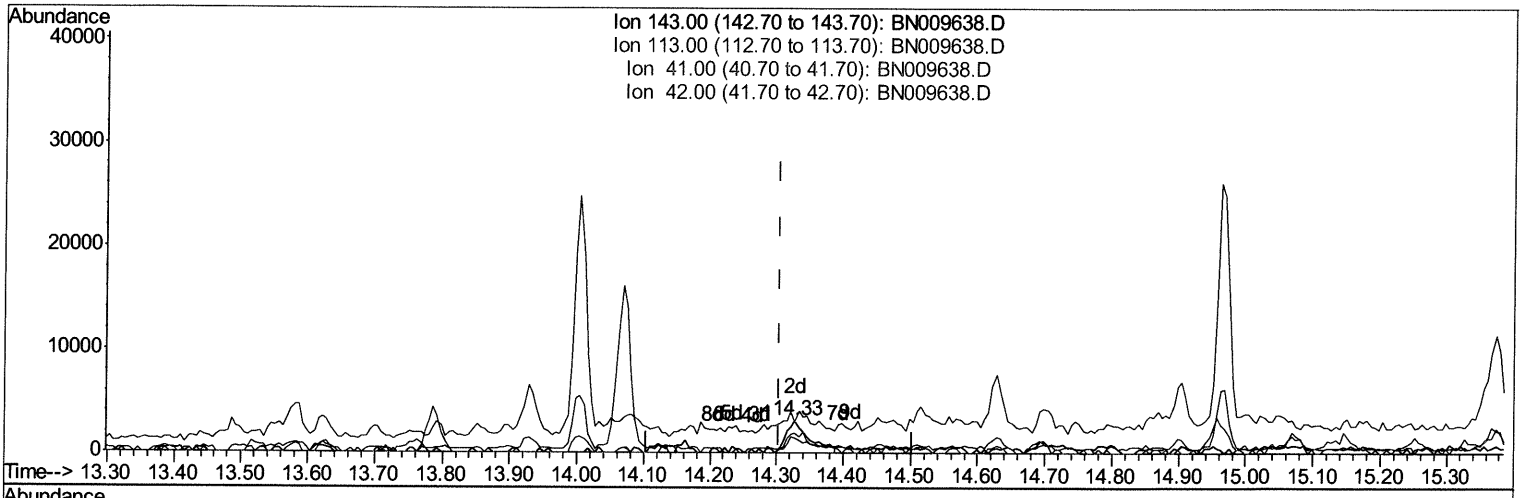
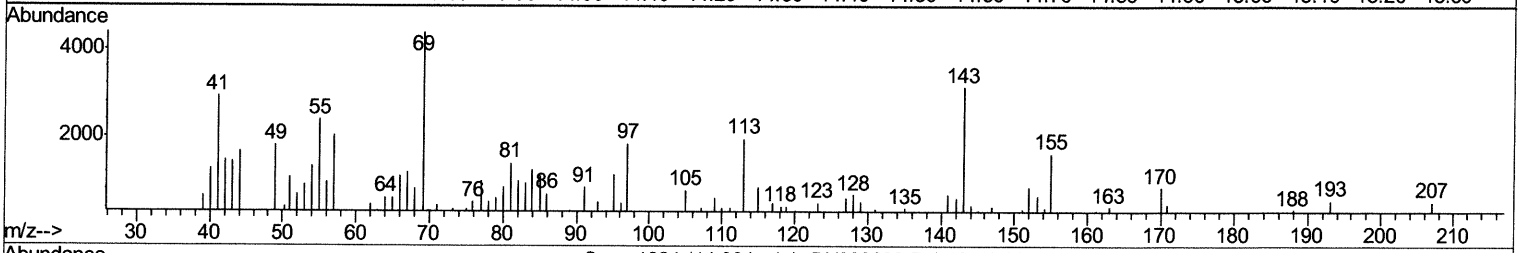
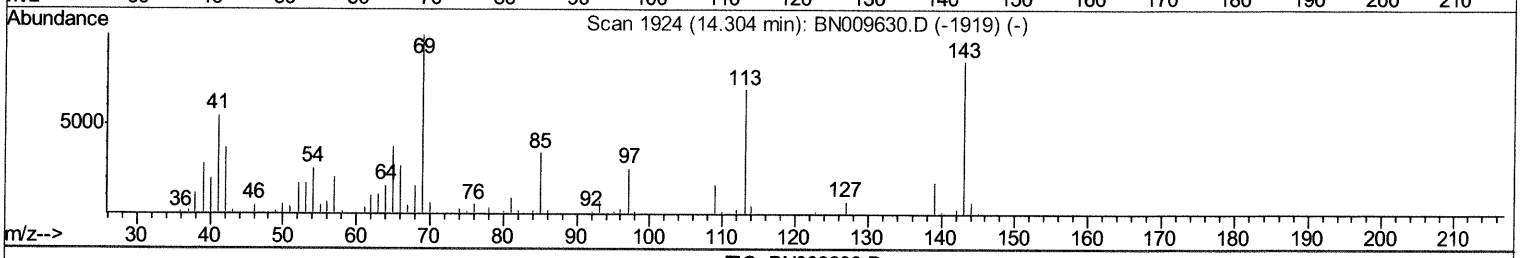
Instrument :
BNA_N
ClientSampleId :
GAT73

Manual Integrations APPROVED
mohammad
2/10/2020 8:20:30 AM







TIC: BN009638.D

(51) 4-Nitrophenol-d4 (S)

14.328min (+0.024) 1.12ng/ul m JU 02/13/20

response 7598

Ion	Exp%	Act%
143.00	100	100
113.00	77.90	62.46
41.00	65.40	92.90#
42.00	43.30	46.86

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN020620\
Data File : BN009638.D
Acq On : 07 Feb 2020 08:59
Operator : CG/JU
Sample : L1324-18 10X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Feb 07 11:17:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 07 11:12:58 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAT73

Manual Integrations APPROVED
mohammad
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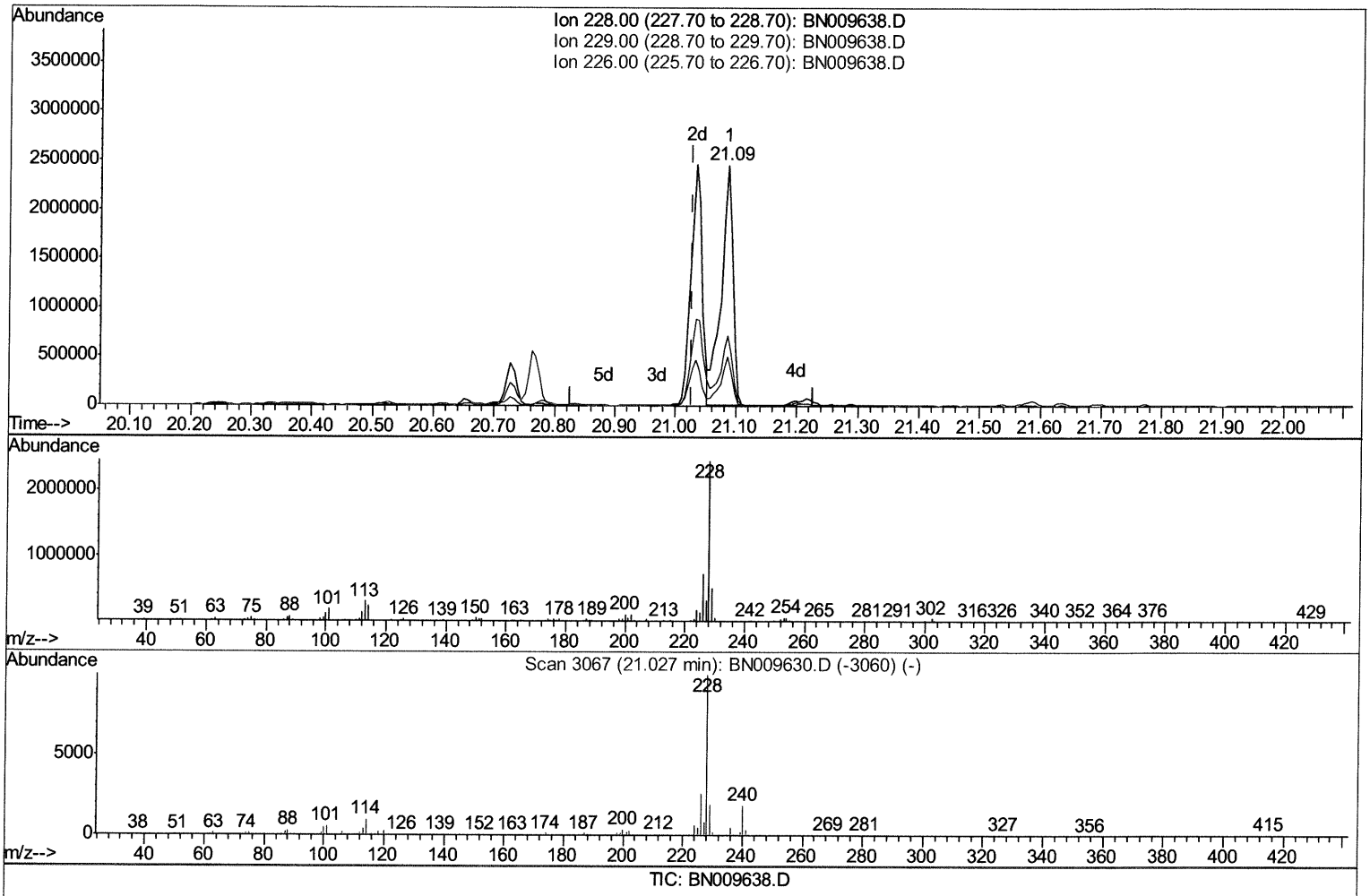

TIC: BN009638.D

(82) Benzo(a)anthracene

21.086min (+0.059) 58.71ng/ul

response 3370169

Ion	Exp%	Act%
228.00	100	100
229.00	18.70	20.48
226.00	26.10	29.18
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN020620\
Data File : BN009638.D
Acq On : 07 Feb 2020 08:59
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Sample : L1324-18 10X
Misc :
ALS Vial : 33 Sample Multiplier: 1

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BNA_N
ClientSampleId :
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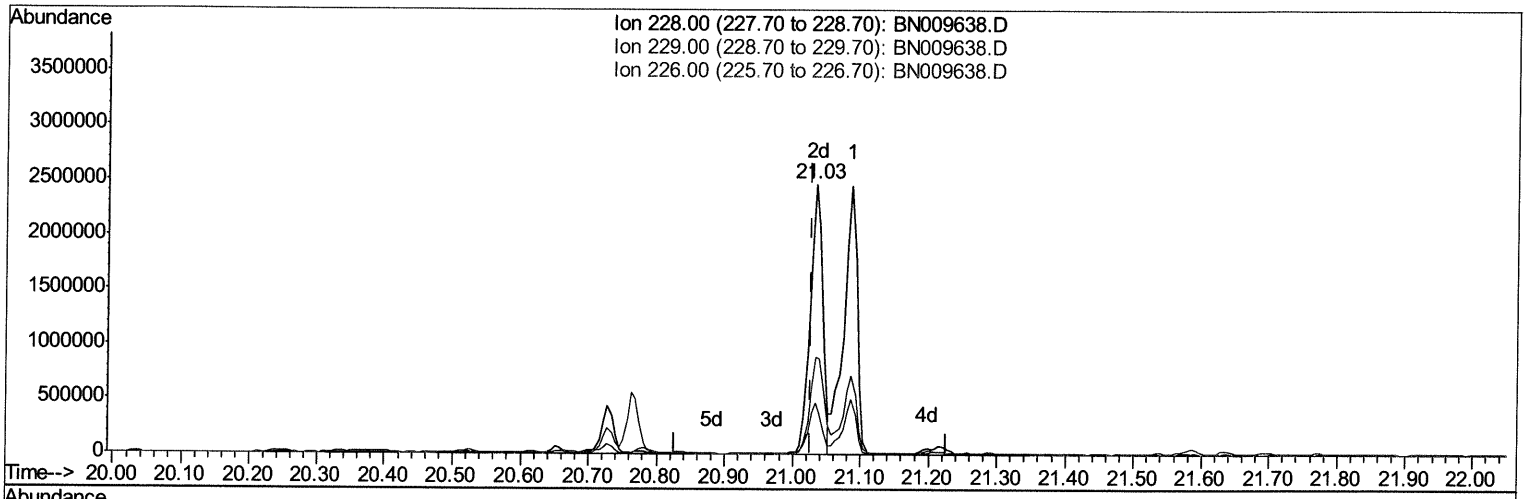
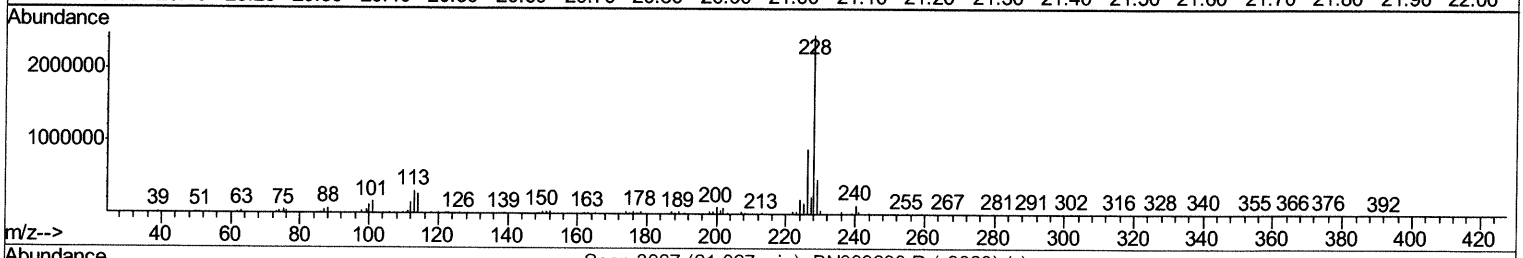
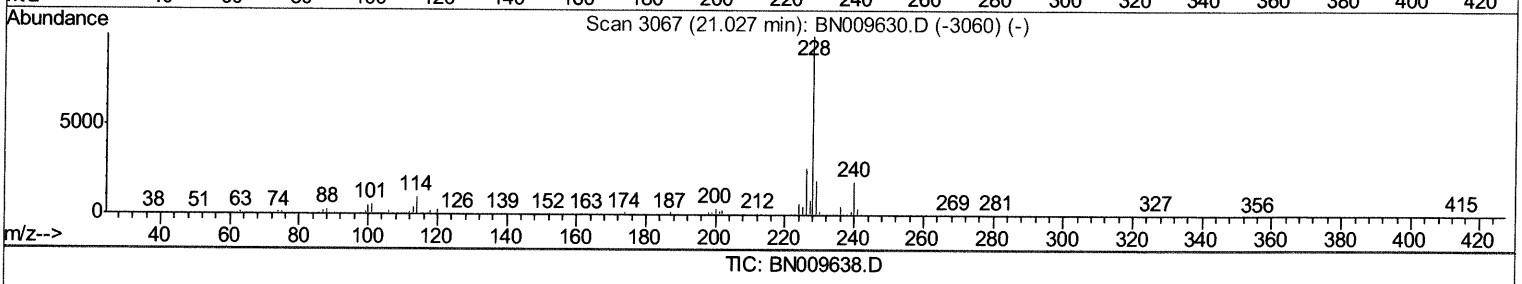
Manual Integrations APPROVED
mohammad
2/10/2020 8:20:30 AM







TIC: BN009638.D

(82) Benzo(a)anthracene

21.033min (+0.006) 55.87ng/ul m JU 02/13/20

response 3206960

Ion	Exp%	Act%
228.00	100	100
229.00	18.70	19.13
226.00	26.10	36.15#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN020620\
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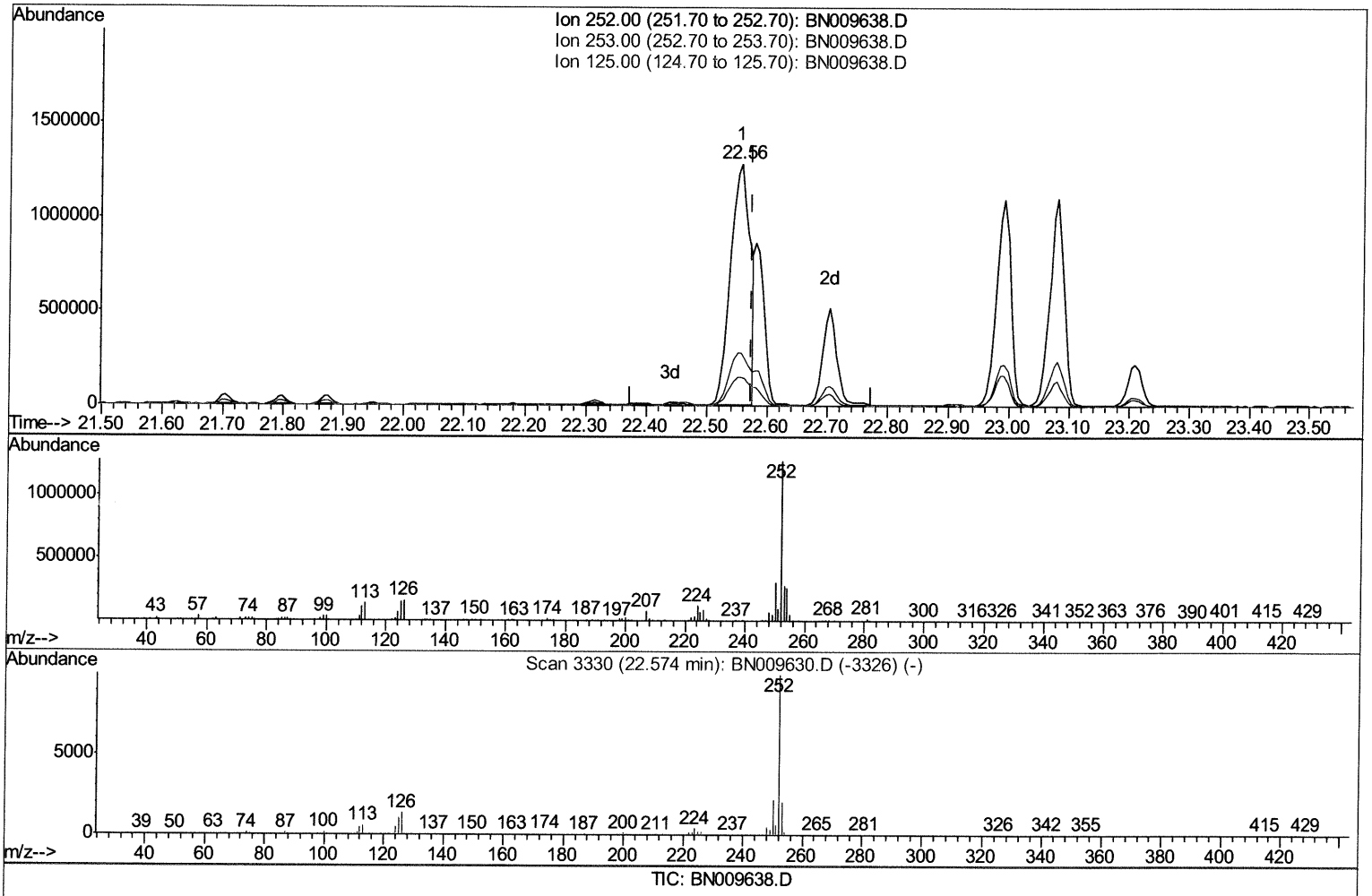
mohammad
2/10/2020 8:20:30 AM



TIC: BN009638.D

(88) Benzo(k)fluoranthene

22.557min (-0.018) 47.72ng/ul

response 2847042

Ion	Exp%	Act%
252.00	100	100
253.00	21.20	21.92
125.00	10.00	11.81
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN020620\
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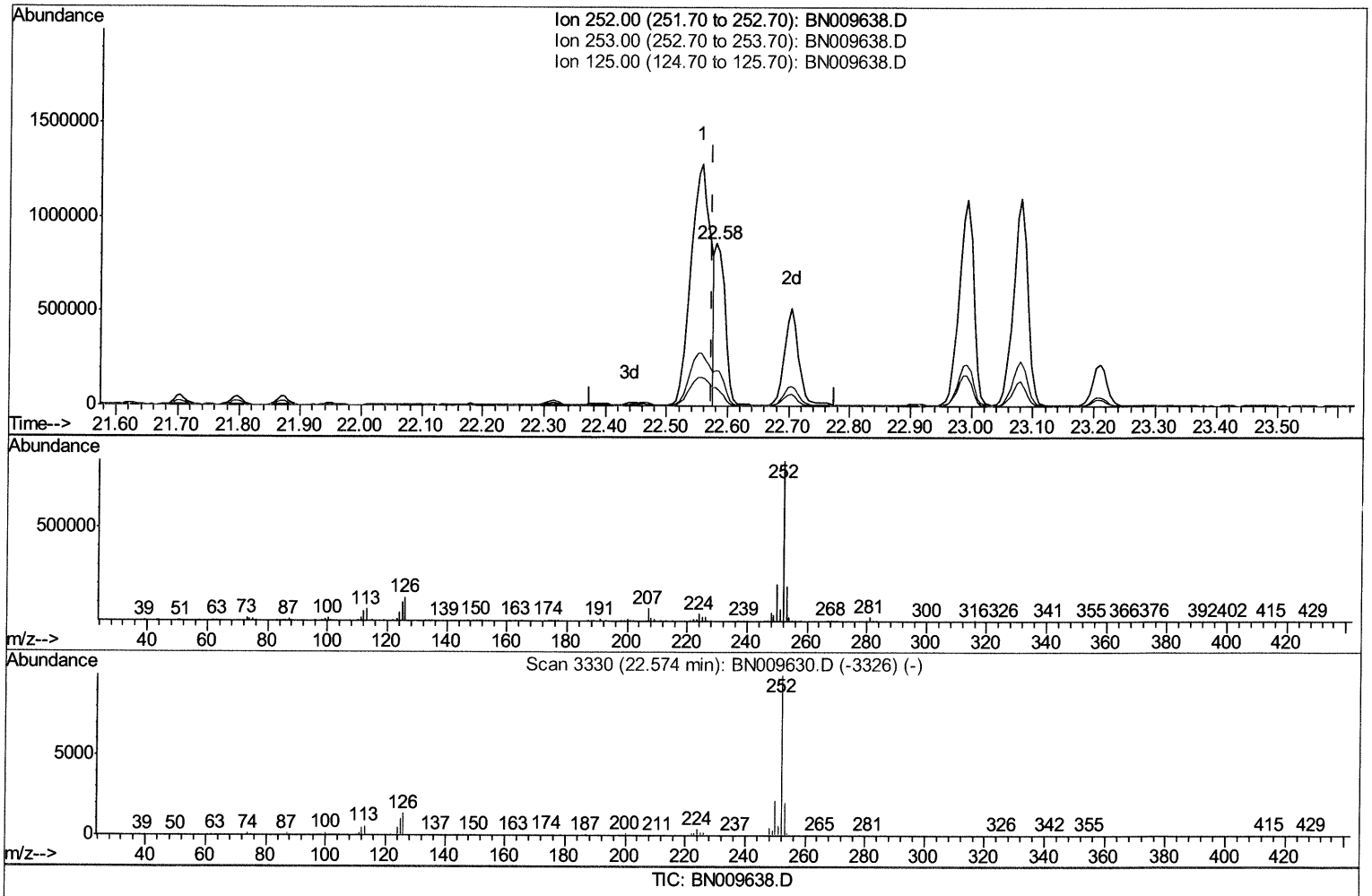
Manual Integrations APPROVED
mohammad
2/10/2020 8:20:30 AM



(88) Benzo(k)fluoranthene

22.580min (+0.006) 16.71ng/ul m JU 02/13/20

response 997197

Ion	Exp%	Act%
252.00	100	100
253.00	21.20	21.78
125.00	10.00	11.49
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

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Manual Integrations APPROVED
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2/10/2020 8:20:30 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
1) 1,4-Dichlorobenzene-d4	7.43	152	192779	20.00	ng/ul	0.00	
18) Naphthalene-d8	10.18	136	819967	20.00	ng/ul	0.00	
35) Acenaphthene-d10	14.07	164	494061	20.00	ng/ul	0.00	
61) Phenanthrene-d10	16.83	188	975939	20.00	ng/ul	0.00	
77) Chrysene-d12	21.05	240	831329	20.00	ng/ul	0.01	
85) Perylene-d12	23.16	264	968250	20.00	ng/ul	0.01	
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.09	96	539	0.11	ng/uL	0.01	
5) Phenol-d5	6.64	99	23051	1.37	ng/ul	0.00	
7) Bis-(2-Chloroethyl)ether-d	6.80	67	15446m >	1.37	ng/ul >	0.00	JU 02/13/20
9) 2-Chlorophenol-d4	6.98	132	18222	1.47	ng/ul	0.00	
13) 4-Methylphenol-d8	8.16	113	18225	1.36	ng/ul	0.01	
19) Nitrobenzene-d5	8.59	128	8249	1.35	ng/ul	0.01	
22) 2-Nitrophenol-d4	9.29	143	8997	1.32	ng/ul	0.00	
26) 2,4-Dichlorophenol-d3	9.83	165	17302	1.36	ng/ul	0.02	
29) 4-Chloroaniline-d4	10.36	131	6896m >	0.50	ng/ul >	0.02	JU 02/13/20
43) Dimethylphthalate-d6	13.50	166	59503	1.65	ng/ul	0.00	
46) Acenaphthylene-d8	13.76	160	71869	1.65	ng/ul	0.00	
51) 4-Nitrophenol-d4	14.33	143	7598m >	1.12	ng/ul >	0.02	JU 02/13/20
57) Fluorene-d10	15.07	176	53405	1.68	ng/ul	0.00	
62) 4,6-Dinitro-2-methylphenol	15.23	200	4695	0.77	ng/ul	0.01	
70) Anthracene-d10	16.92	188	83173	1.88	ng/ul	0.00	
78) Pyrene-d10	19.24	212	84149	1.93	ng/ul	0.00	
89) Benzo(a)pyrene-d12	23.03	264	83733	1.76	ng/ul	0.01	
Target Compounds						Qvalue	
47) Acenaphthylene	13.79	152	1422614	29.83	ng/ul	98	
49) Acenaphthene	14.13	153	93139	2.87	ng/ul	93	
58) Fluorene	15.15	166	132354	3.51	ng/ul#	50	
69) Phenanthrene	16.87	178	955339	17.16	ng/ul	98	
71) Anthracene	16.96	178	744374	13.18	ng/ul	100	
76) Fluoranthene	18.91	202	6966537	109.67	ng/ul	98	
79) Pyrene	19.28	202	11202083	184.59	ng/ul	95	
82) Benzo(a)anthracene	21.03	228	3206960m >	55.87	ng/ul >		JU 02/13/20
84) Chrysene	21.09	228	3371864	59.01	ng/ul	99	
87) Benzo(b)fluoranthene	22.56	252	2847042	47.00	ng/ul	98	
88) Benzo(k)fluoranthene	22.58	252	997197m >	16.71	ng/ul >		JU 02/13/20
90) Benzo(a)pyrene	23.08	252	1805780	32.17	ng/ul	97	
91) Indeno(1,2,3-cd)pyrene	25.24	276	1372174	20.56	ng/ul	95	
92) Dibenzo(a,h)anthracene	25.24	278	437211	7.78	ng/ul#	82	
93) Benzo(g,h,i)perylene	25.87	276	1381912	24.71	ng/ul	97	

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