Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005549.D
Acq On : 09 May 2019 01:12
Operator : JU/SJ
Sample : K2604-10 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

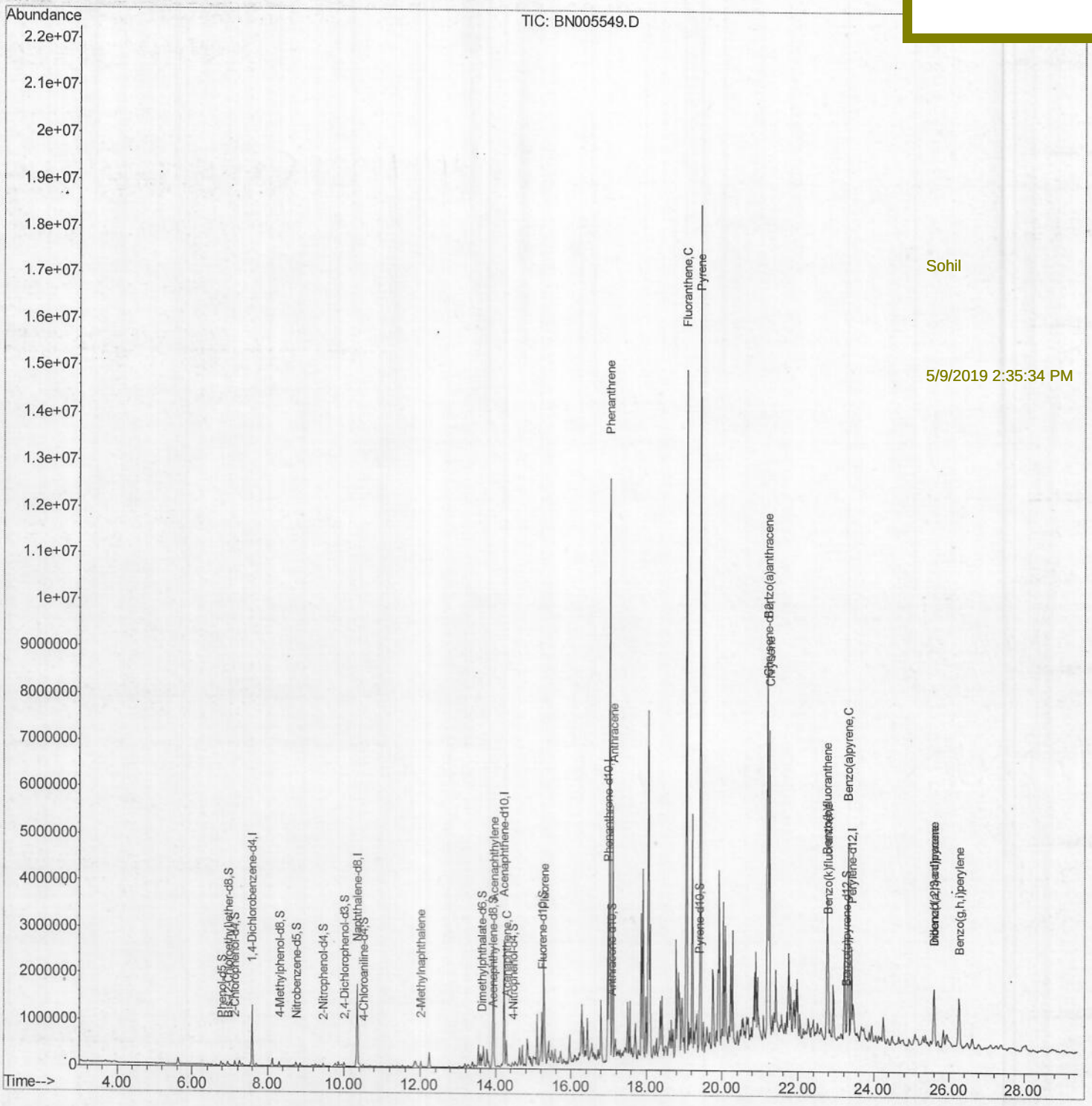
Quant Time: May 09 06:00:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ84

Manual Integrations APPROVED

Sohil

5/9/2019 2:35:34 PM



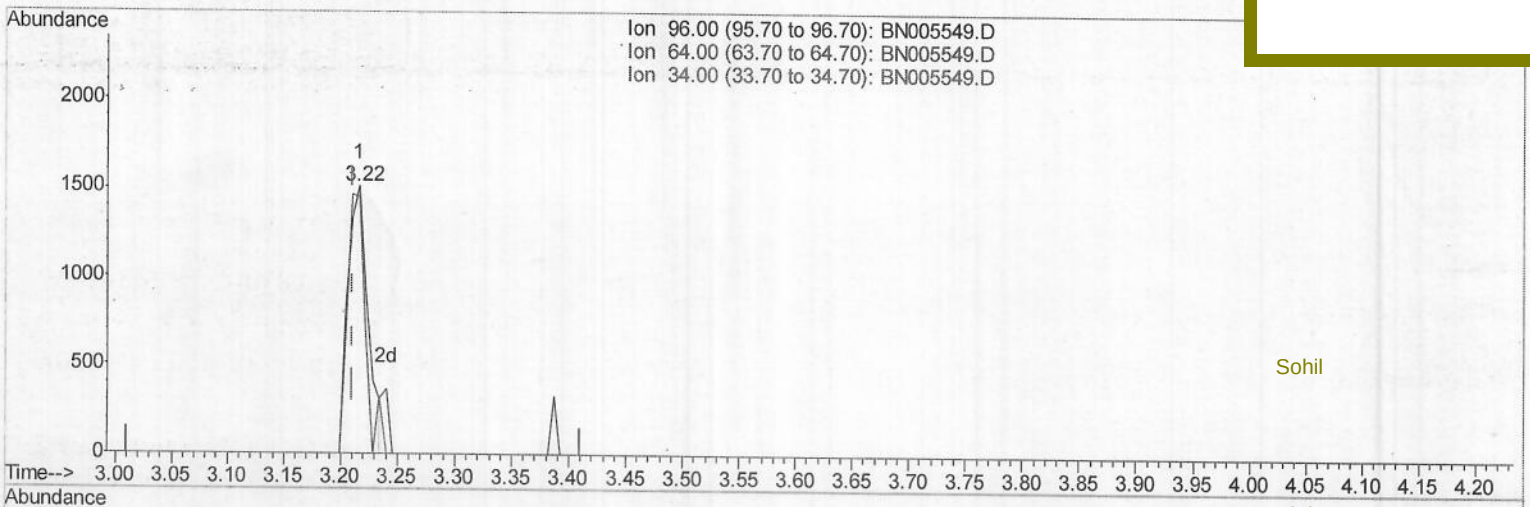
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005549.D
Acq On : 09 May 2019 01:12
Operator : JU/SJ
Sample : K2604-10 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

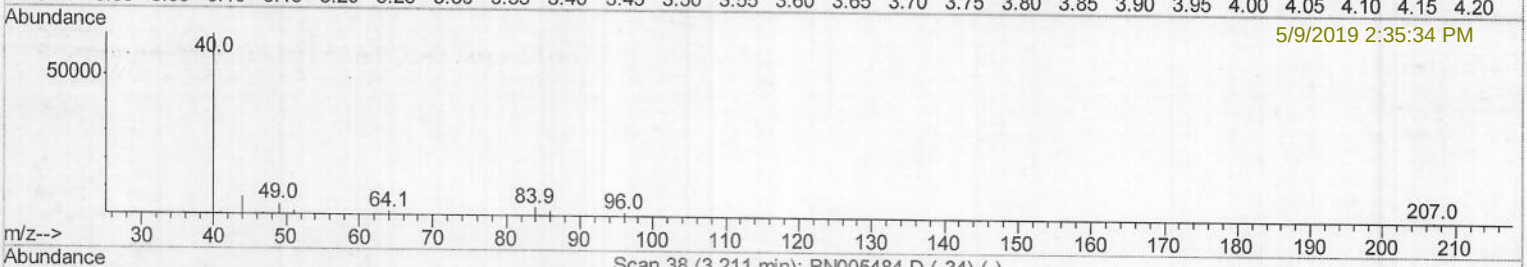
Quant Time: May 09 02:35:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ84

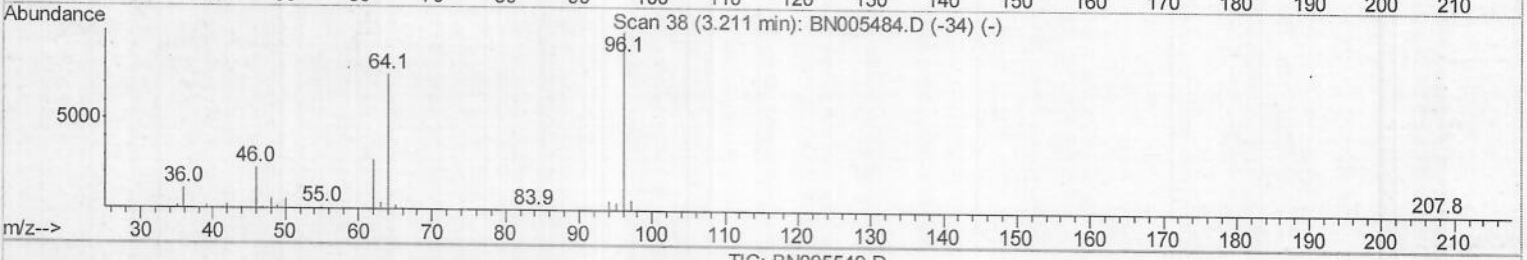
Manual Integrations APPROVED



Sohil



5/9/2019 2:35:34 PM



TIC: BN005549.D

(3) 1,4-Dioxane-d8 (S)

3.216min (+0.006) 0.26ng/uL

response 1876

Ion	Exp%	Act%
96.00	100	100
64.00	77.40	95.96#
34.00	0.00	0.00
0.00	0.00	0.00

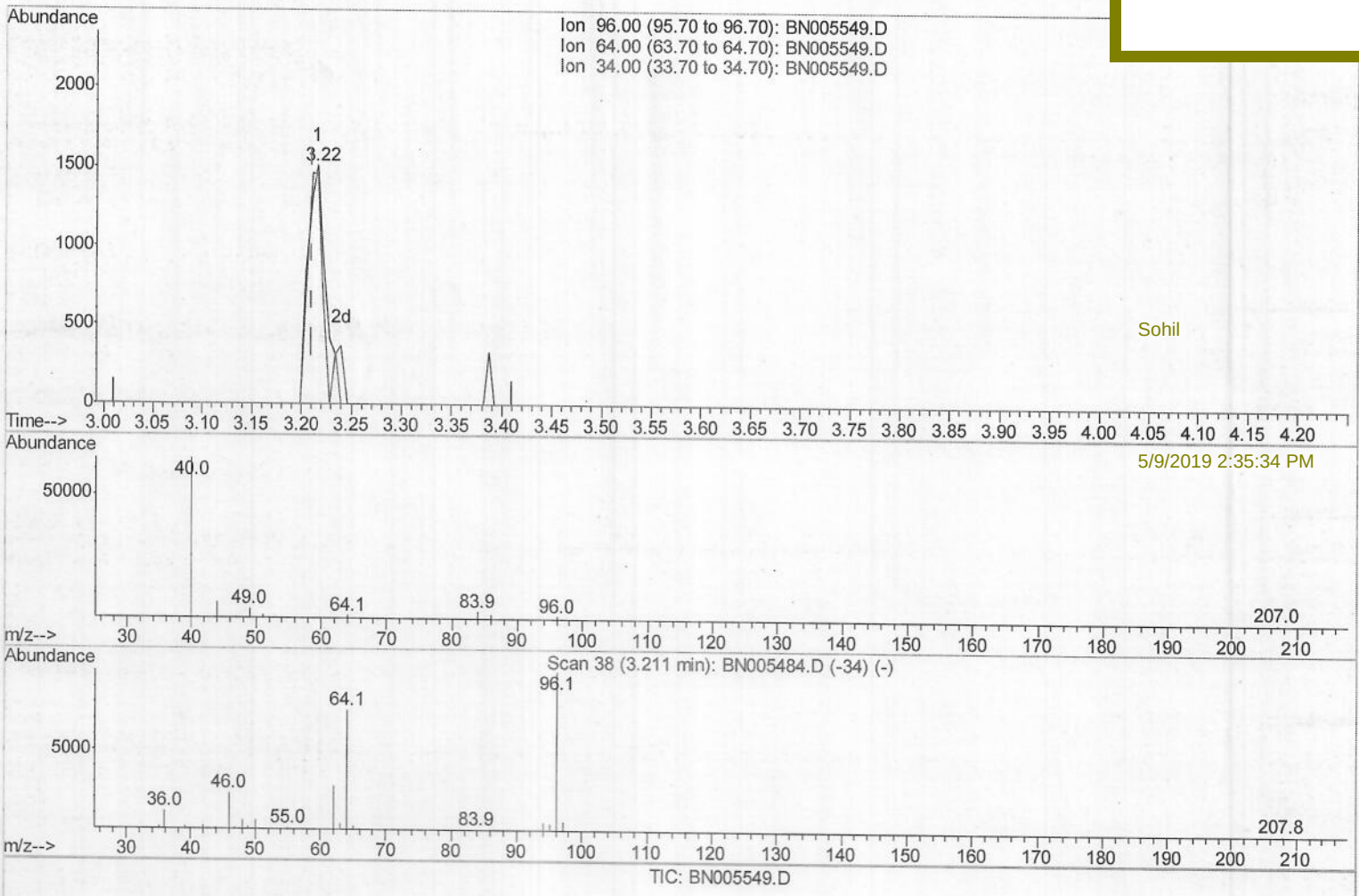
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005549.D
Acq On : 09 May 2019 01:12
Operator : JU/SJ
Sample : K2604-10 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 09 02:35:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ84

Manual Integrations APPROVED



Sohil

5/9/2019 2:35:34 PM

TIC: BN005549.D

(3) 1,4-Dioxane-d8 (S)

3.216min (+0.006) 0.28ng/uL m JU 05/21/19

response 2005

Ion	Exp%	Act%
96.00	100	100
64.00	77.40	95.96#
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005549.D
Acq On : 09 May 2019 01:12
Operator : JU/SJ
Sample : K2604-10 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 09 02:35:05 2019
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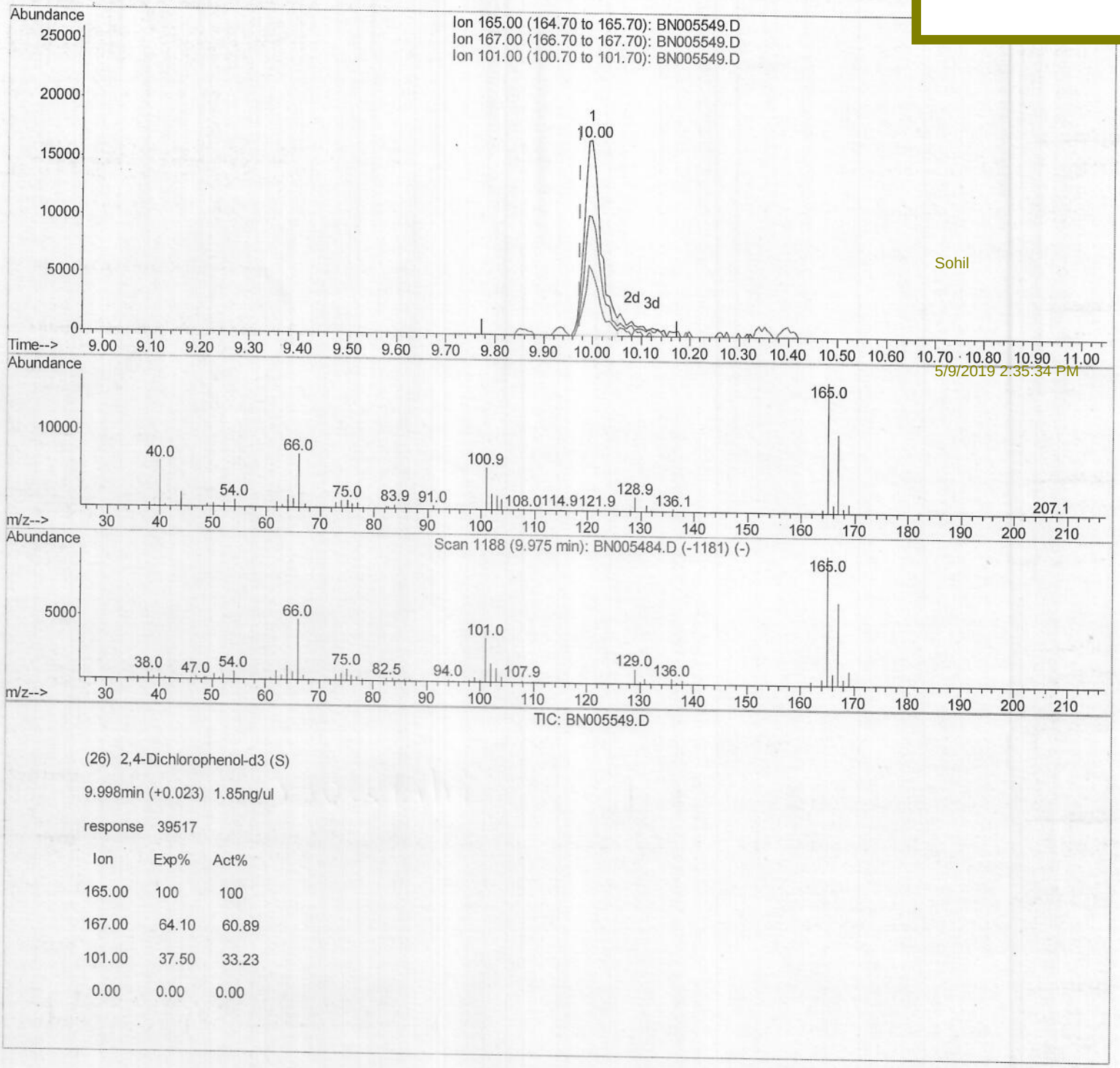
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ84

Manual Integrations APPROVED



(26) 2,4-Dichlorophenol-d3 (S)

9.998min (+0.023) 1.85ng/ul

response 39517

Ion	Exp%	Act%
165.00	100	100
167.00	64.10	60.89
101.00	37.50	33.23
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
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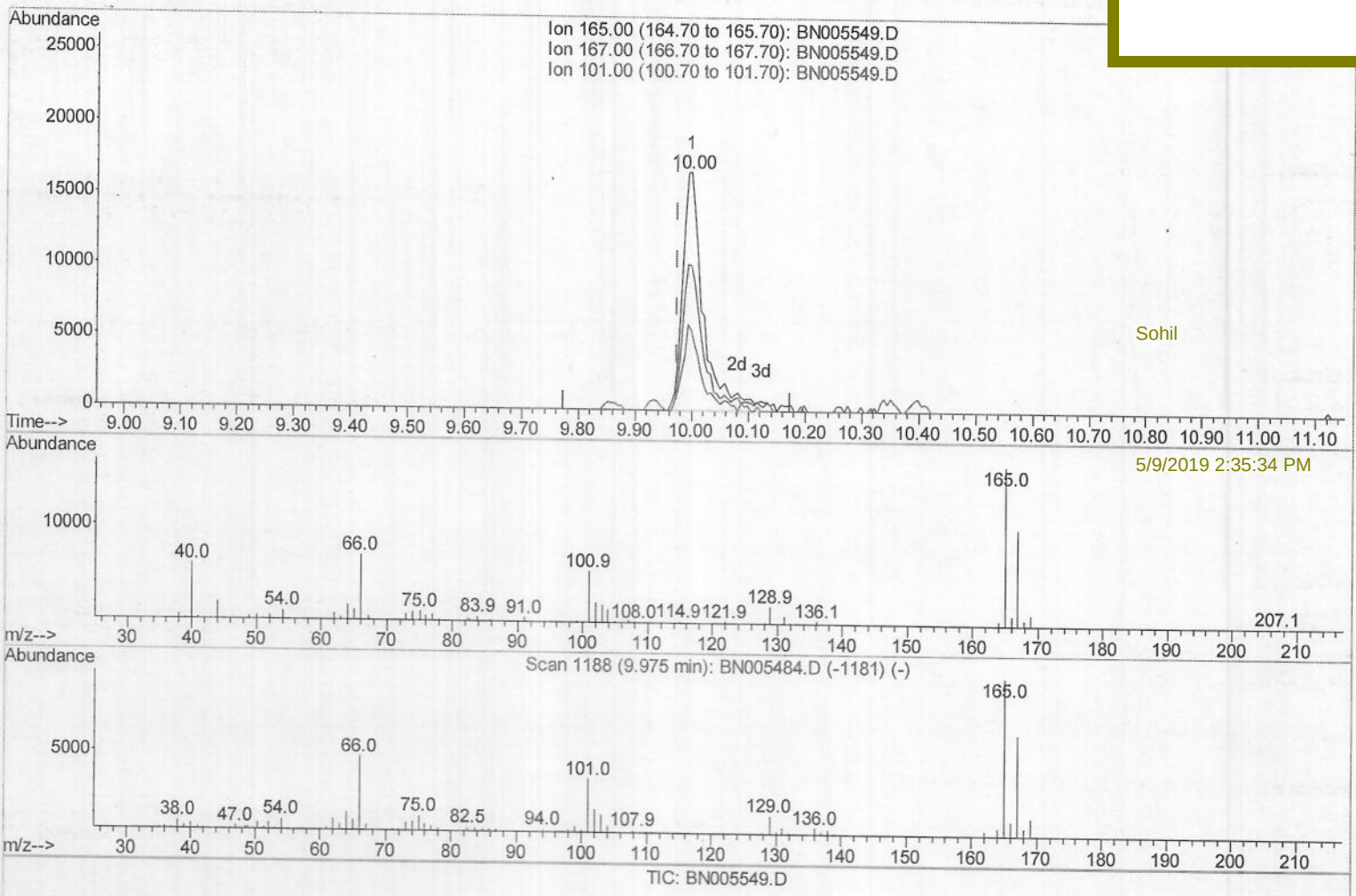
Acq On : 09 May 2019 01:12
Operator : JU/SJ
Sample : K2604-10 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 09 02:35:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ84

Manual Integrations APPROVED



Sohil

5/9/2019 2:35:34 PM

TIC: BN005549.D

(26) 2,4-Dichlorophenol-d3 (S)

9.998min (+0.023) 2.07ng/ul m) JU05/21/19

response 44360

Ion	Exp%	Act%
165.00	100	100
167.00	64.10	60.89
101.00	37.50	33.23
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
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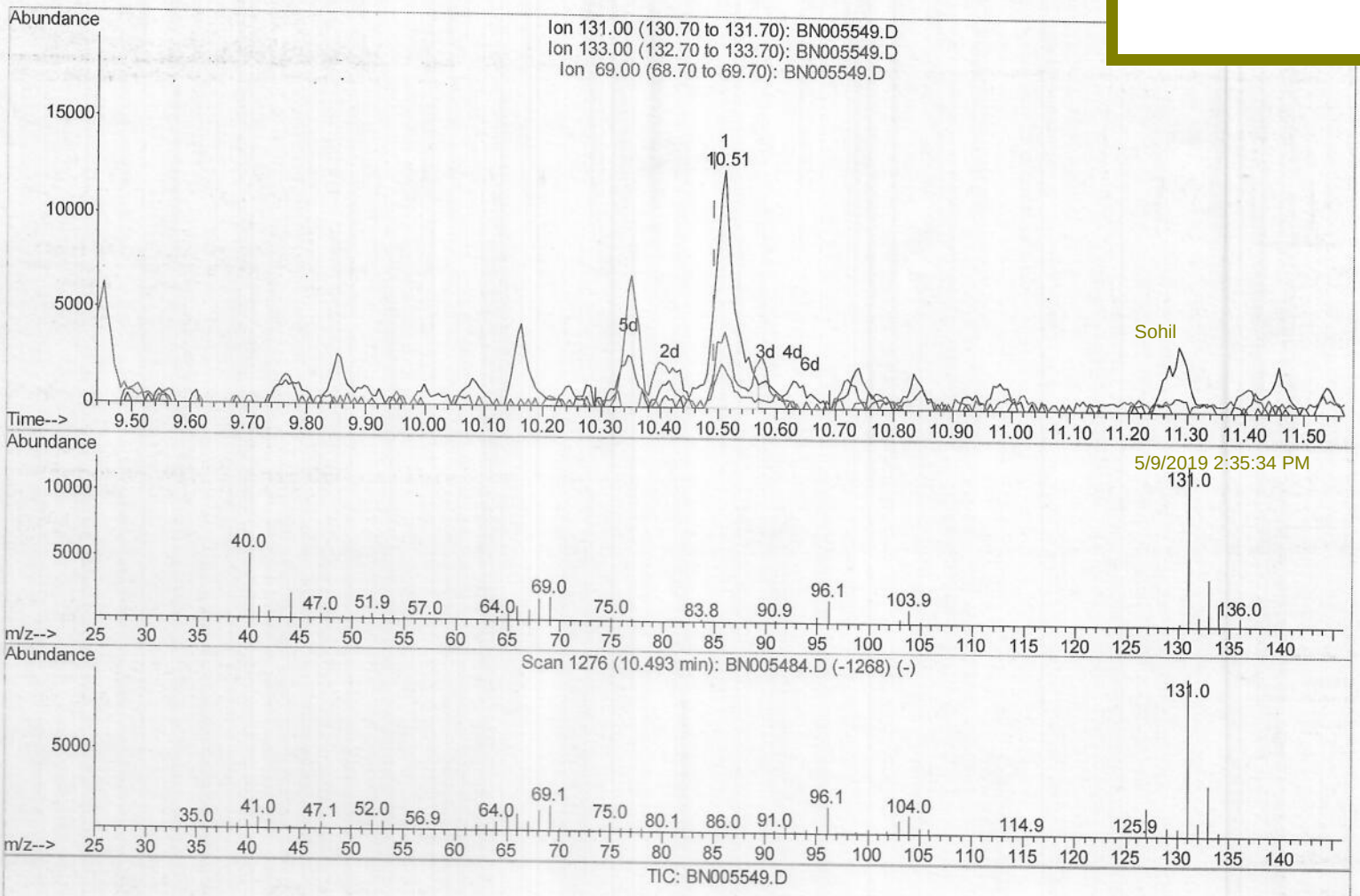
Acq On : 09 May 2019 01:12
Operator : JU/SJ
Sample : K2604-10 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 09 02:35:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ84

Manual Integrations APPROVED



TIC: BN005549.D

(29) 4-Chloroaniline-d4 (S)

10.510min (+0.017) 1.41ng/ul

response 31151

Ion	Exp%	Act%
131.00	100	100
133.00	33.60	32.20
69.00	18.90	17.01
0.00	0.00	0.00

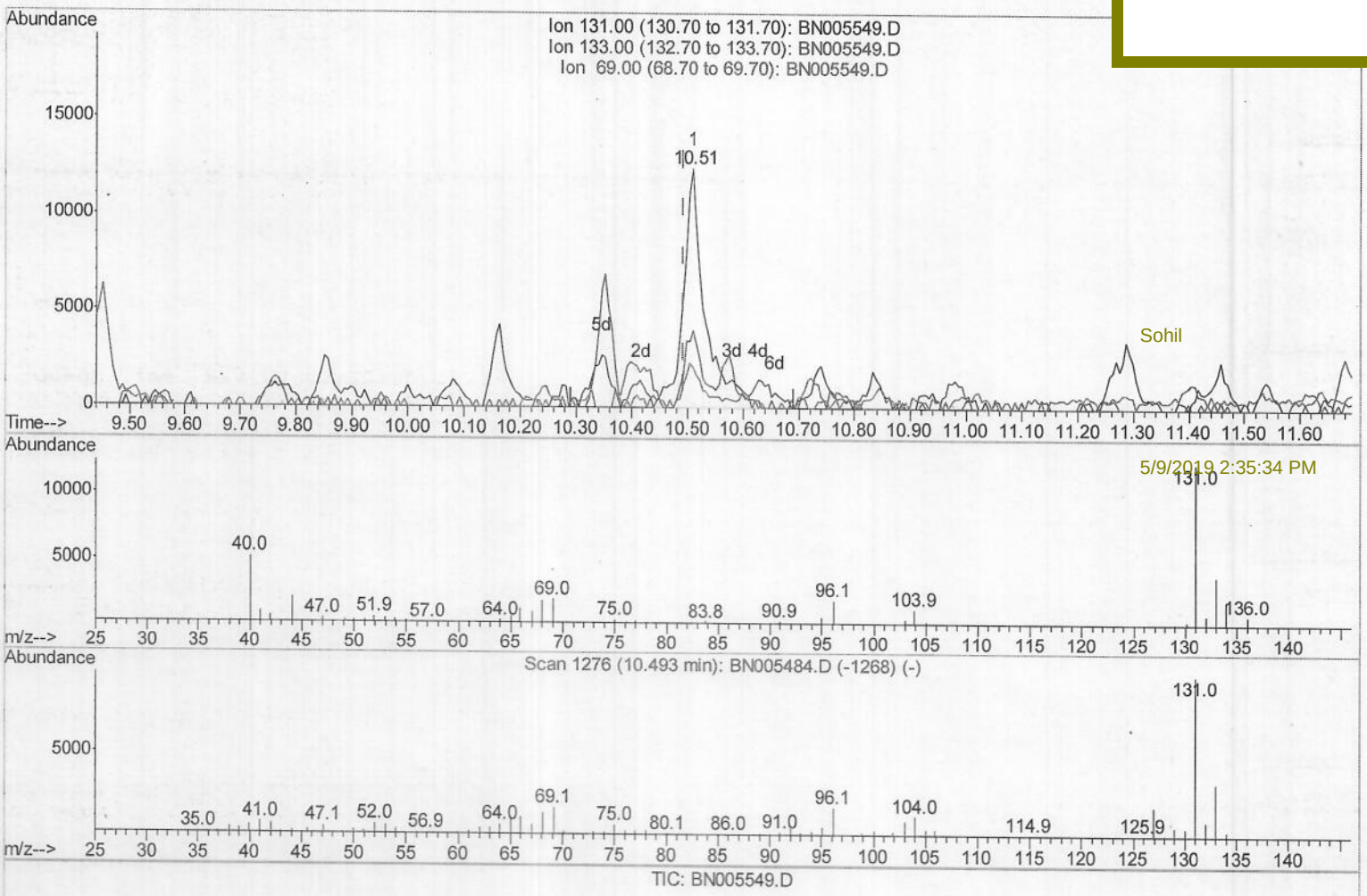
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005549.D
Acq On : 09 May 2019 01:12
Operator : JU/SJ
Sample : K2604-10 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 09 02:35:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ84

Manual Integrations APPROVED



TIC: BN005549.D

(29) 4-Chloroaniline-d4 (S)

10.510min (+0.017) 1.70ng/ul m) JU 05/21/19

response 37445

Ion	Exp%	Act%
131.00	100	100
133.00	33.60	32.20
69.00	18.90	17.01
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
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Acq On : 09 May 2019 01:12
Operator : JU/SJ
Sample : K2604-10 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 09 02:35:05 2019
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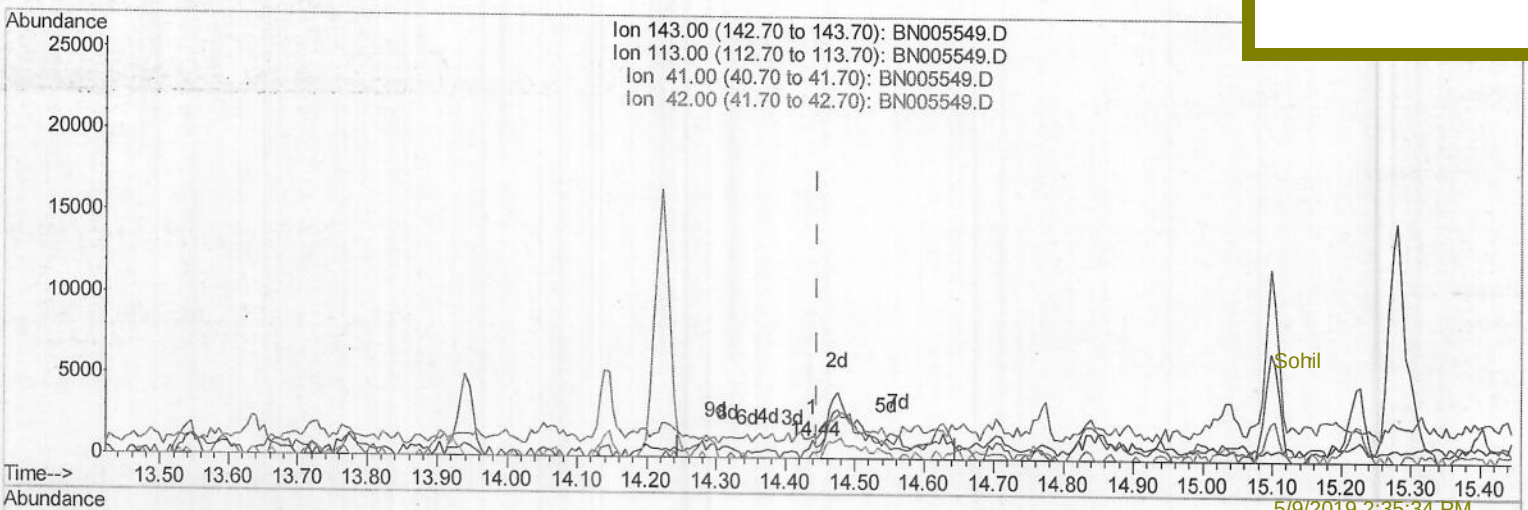
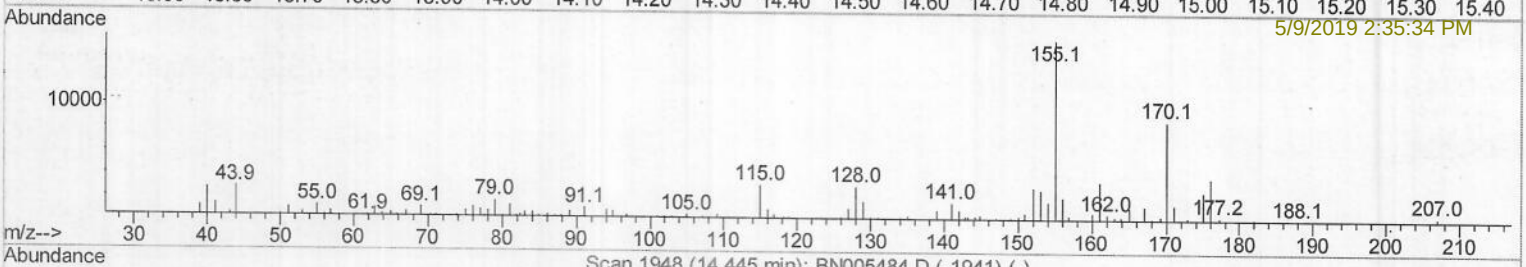
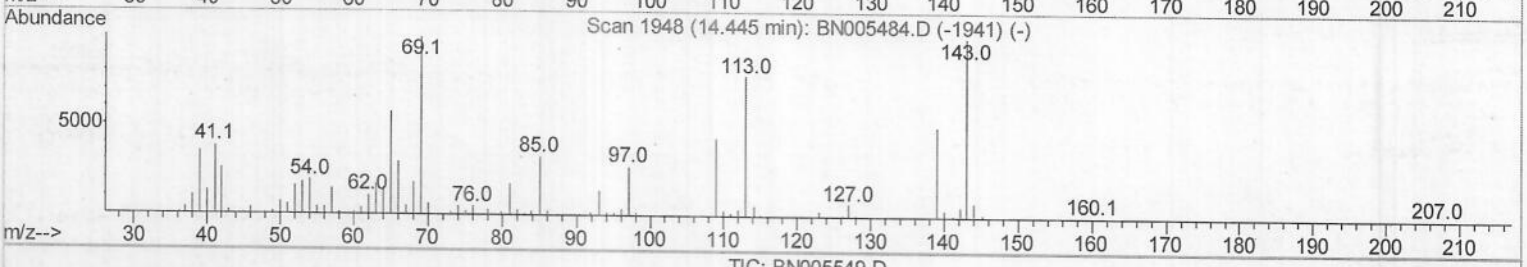
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ84

Manual Integrations APPROVED







TIC: BN005549.D

(51) 4-Nitrophenol-d4 (S)

14.439min (-0.006) 0.09ng/ul

response 983

Ion	Exp%	Act%
143.00	100	100
113.00	82.50	31.91#
41.00	47.90	121.82#
42.00	31.70	0.00#

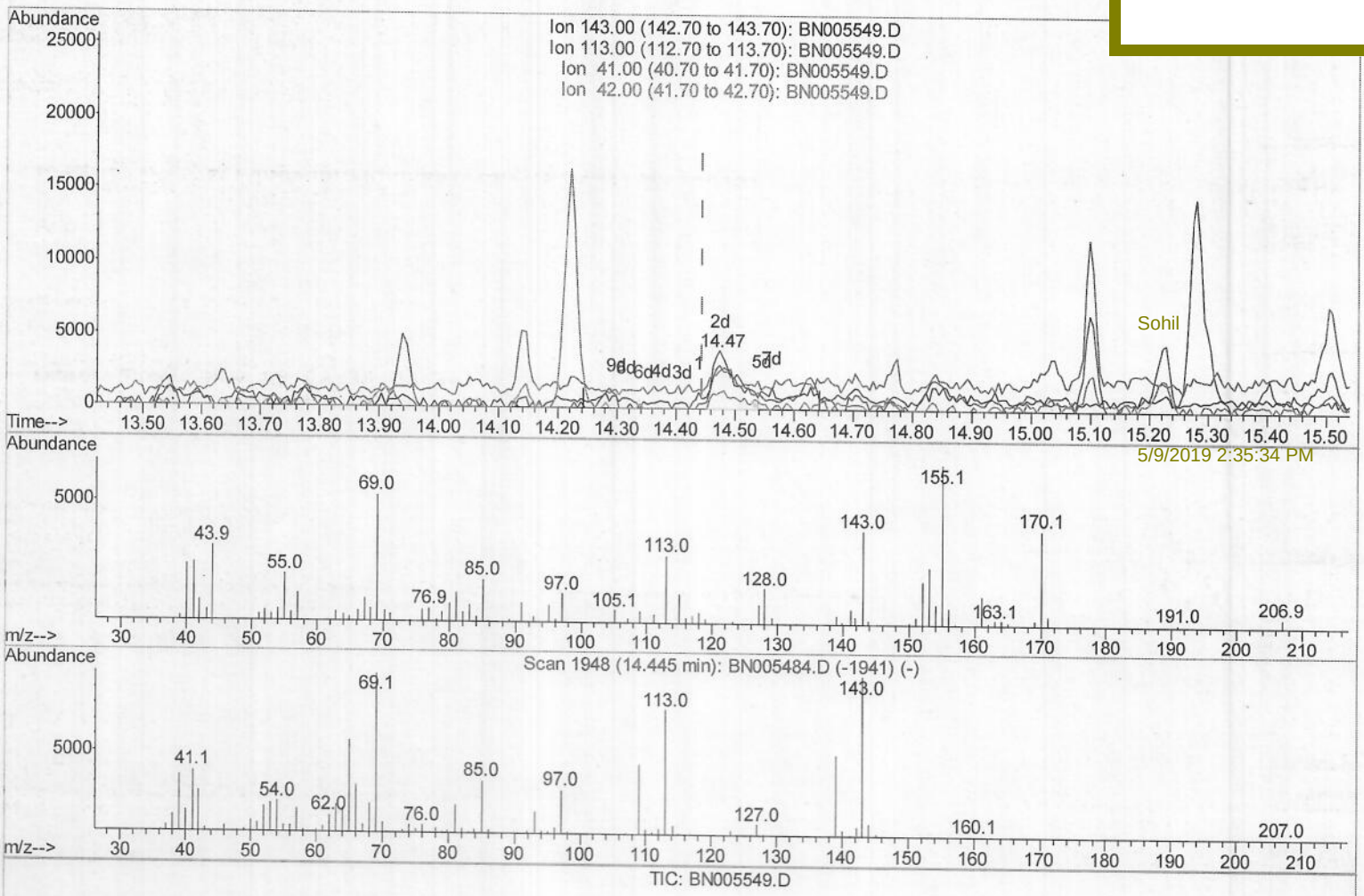
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005549.D
Acq On : 09 May 2019 01:12
Operator : JU/SJ
Sample : K2604-10 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 09 02:35:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ84

Manual Integrations APPROVED



(51) 4-Nitrophenol-d4 (S)

14.475min (+0.029) 1.24ng/ul m JU 05/21/19

response 13046

Ion	Exp%	Act%
143.00	100	100
113.00	82.50	74.35
41.00	47.90	65.24#
42.00	31.70	28.64

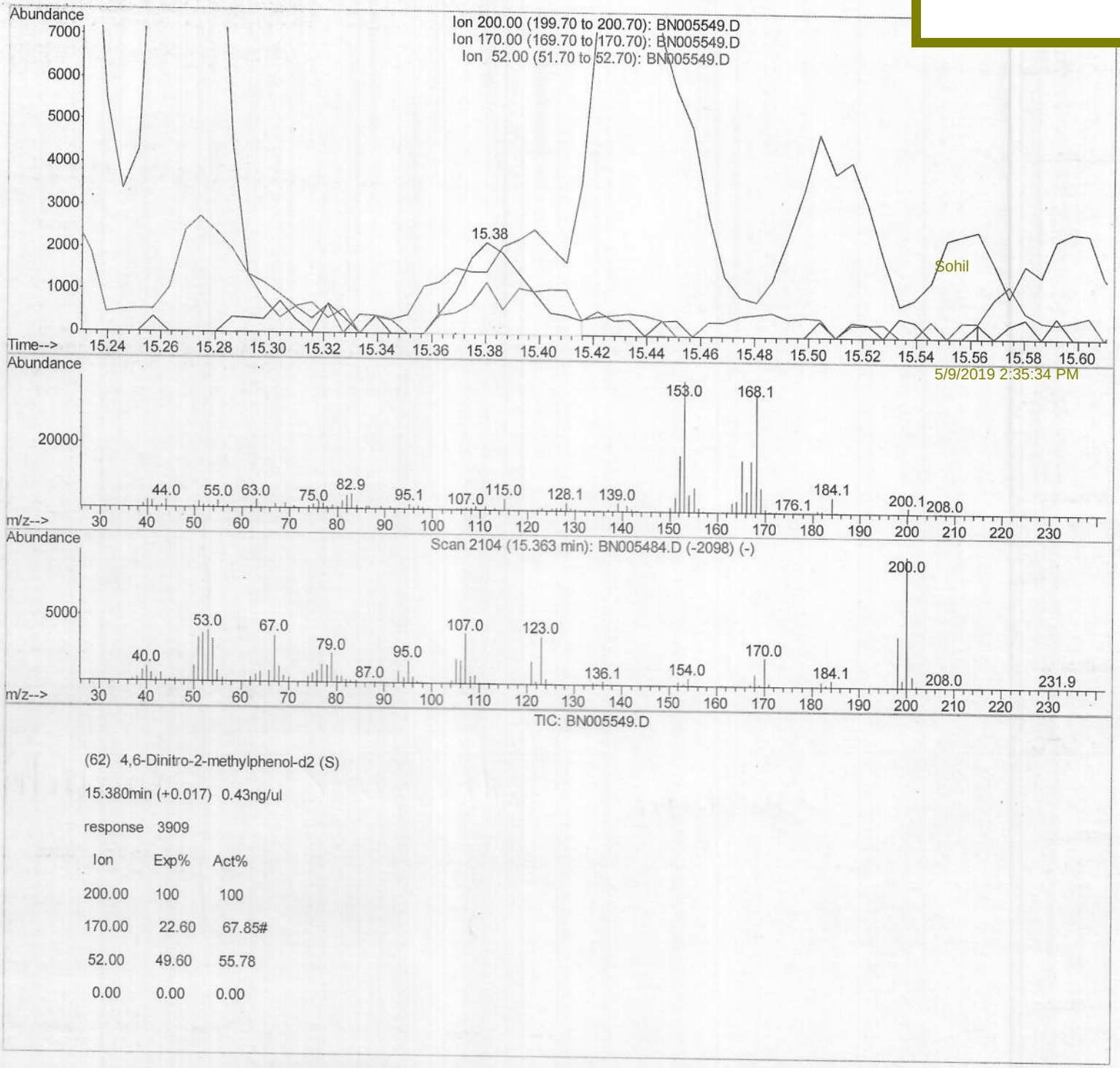
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005549.D
Acq On : 09 May 2019 01:12
Operator : JU/SJ
Sample : K2604-10 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 09 02:35:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ84

Manual Integrations APPROVED



TIC: BN005549.D

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

15.380min (+0.017) 0.43ng/ul

response 3909

Ion	Exp%	Act%
200.00	100	100
170.00	22.60	67.85#
52.00	49.60	55.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
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Acq On : 09 May 2019 01:12
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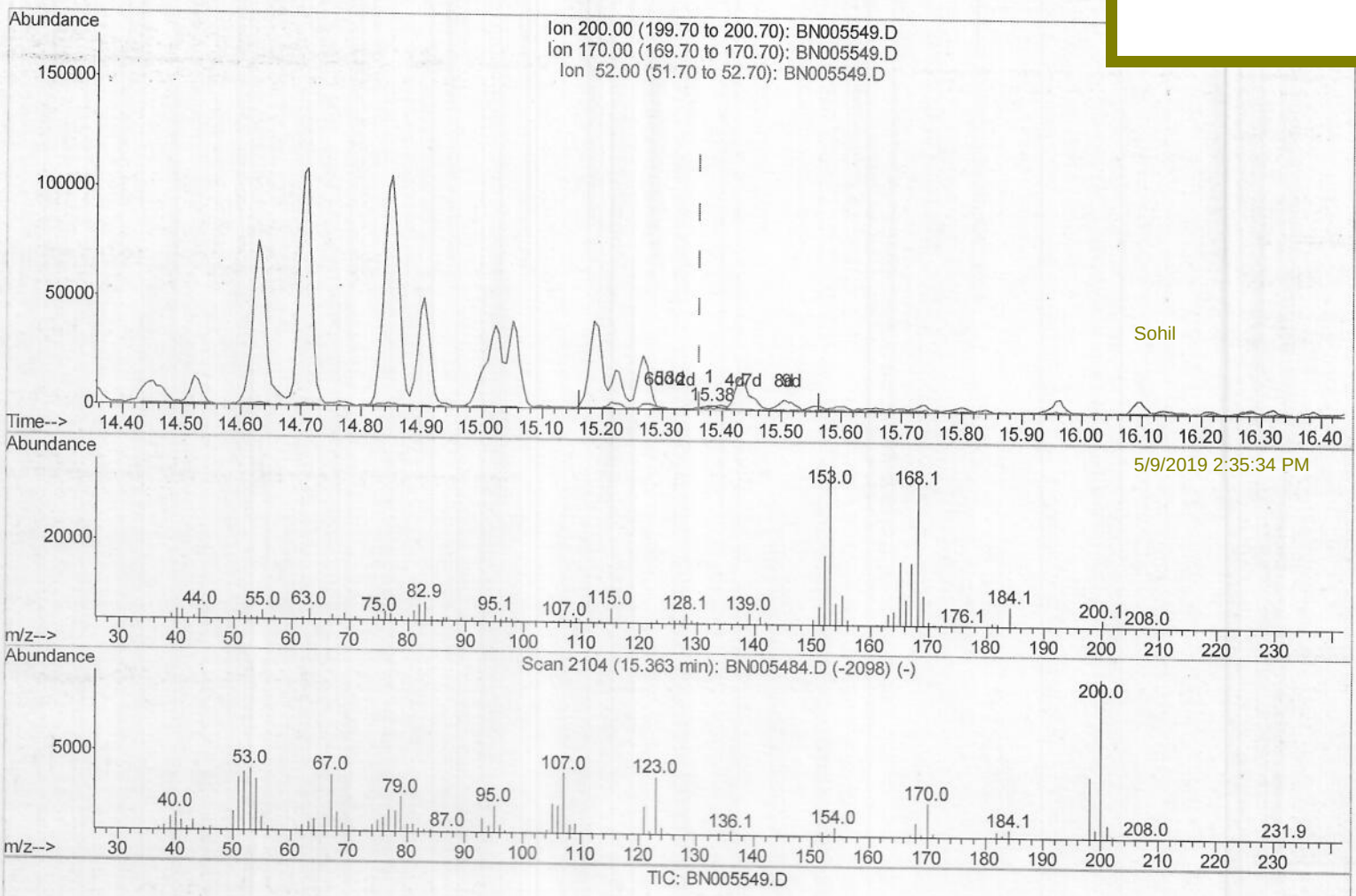
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 09 02:35:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ84

Manual Integrations APPROVED



TIC: BN005549.D

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

15.380min (+0.017) 0.48ng/ul m) JU 05/21/19

response 4372

Ion	Exp%	Act%
200.00	100	100
170.00	22.60	67.85#
52.00	49.60	55.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005549.D
Acq On : 09 May 2019 01:12
Operator : JU/SJ
Sample : K2604-10 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 09 02:35:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
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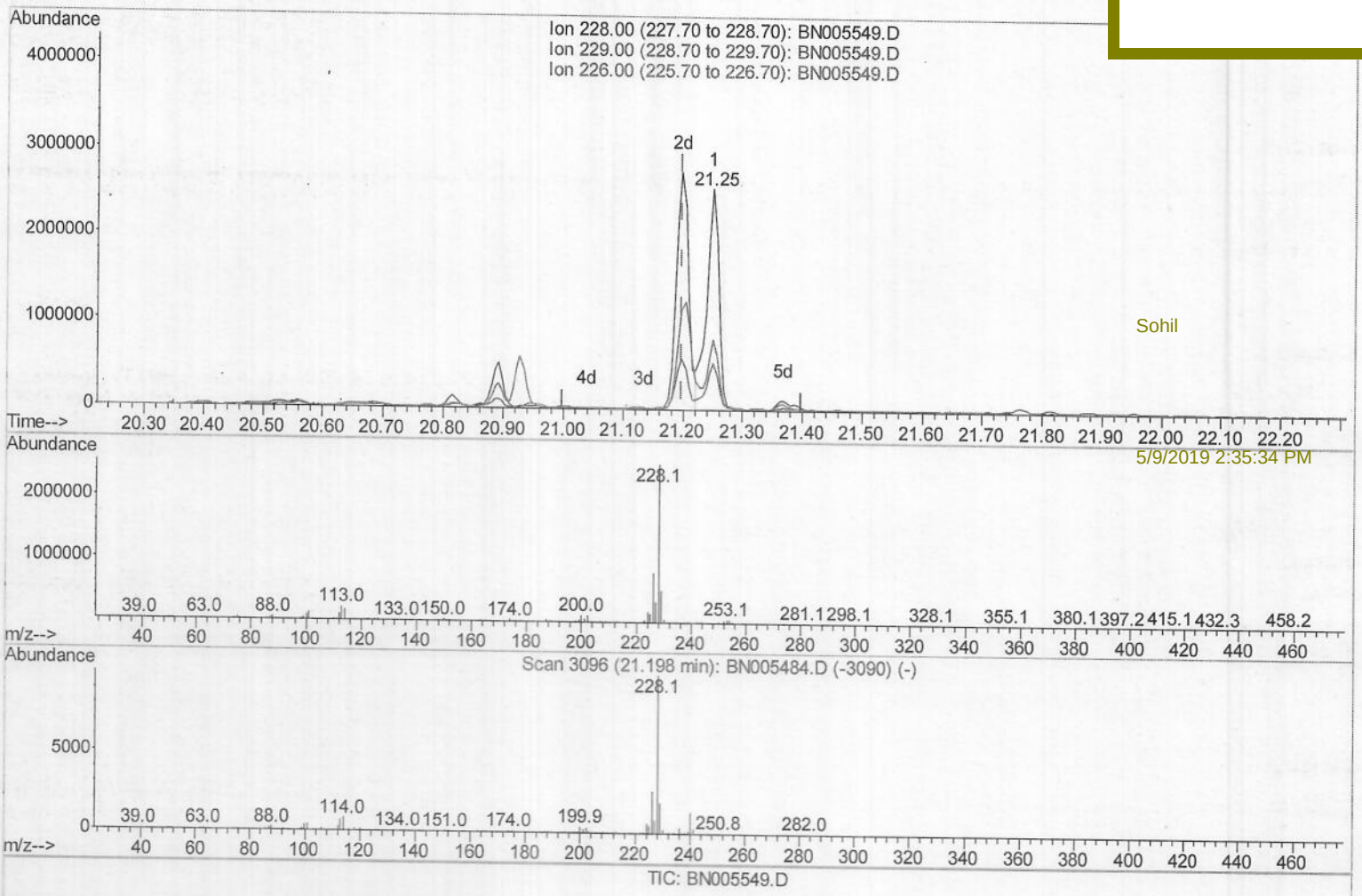
Instrument :
BNA_N
ClientSampleId :
GAJ84

Manual Integrations APPROVED



(82) Benzo(a)anthracene

21.251min (+0.053) 40.93ng/ul

response 3507475

Ion	Exp%	Act%
228.00	100	100
229.00	19.70	20.69
226.00	26.80	31.24
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
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ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 09 02:35:05 2019
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Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
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Instrument :
BNA_N
ClientSampleId :
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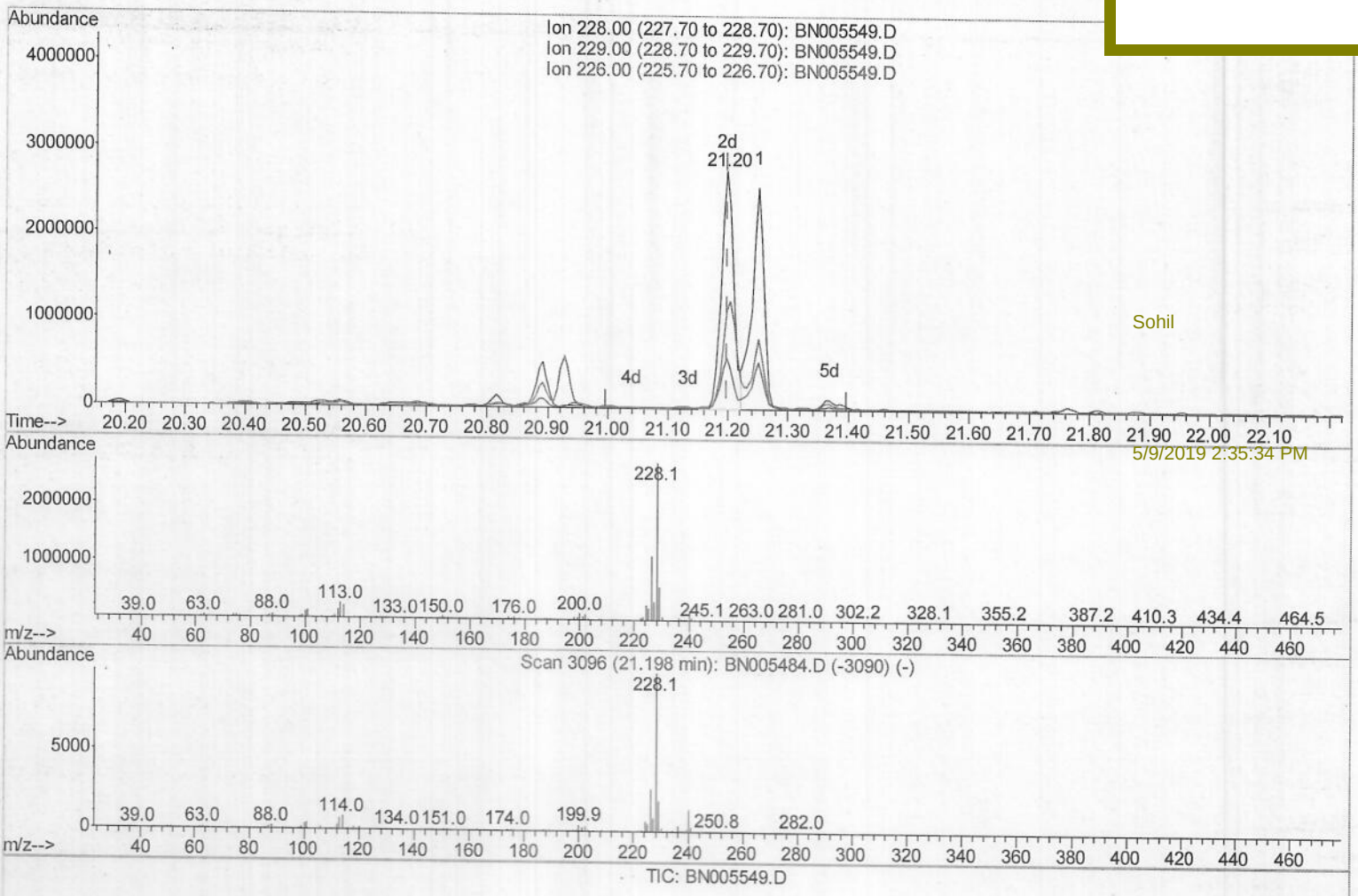
Manual Integrations APPROVED



TIC: BN005549.D

(82) Benzo(a)anthracene

21.198min (-0.000) 46.25ng/ul m JJU 05/21/19

response 3963968

Ion	Exp%	Act%
228.00	100	100
229.00	19.70	20.99
226.00	26.80	41.41#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
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Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
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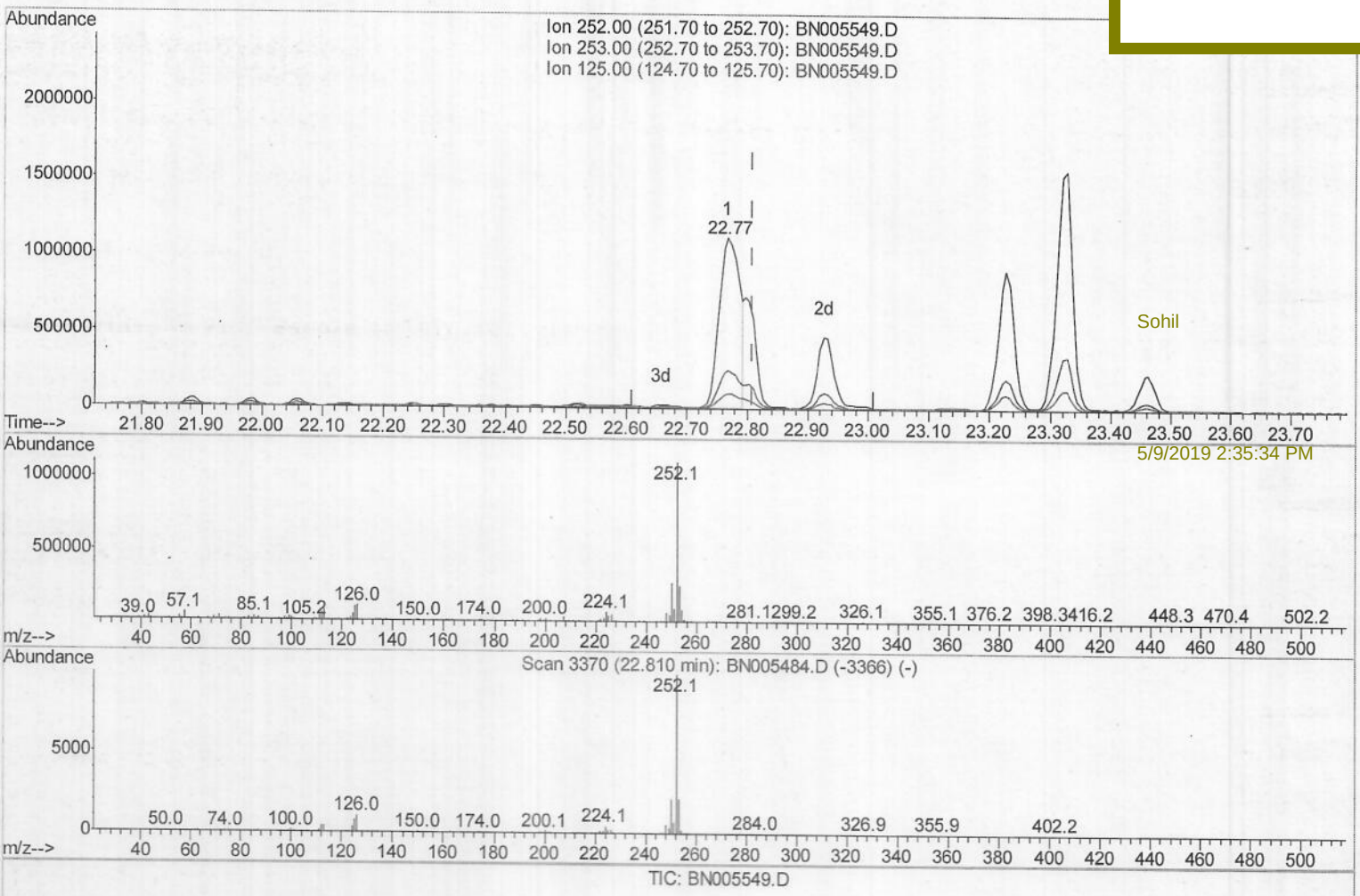
Instrument :
BNA_N
ClientSampleId :
GAJ84

Manual Integrations APPROVED



TIC: BN005549.D

(88) Benzo(k)fluoranthene

22.768min (-0.041) 33.05ng/ul

response 2633530

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	22.34
125.00	9.40	9.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
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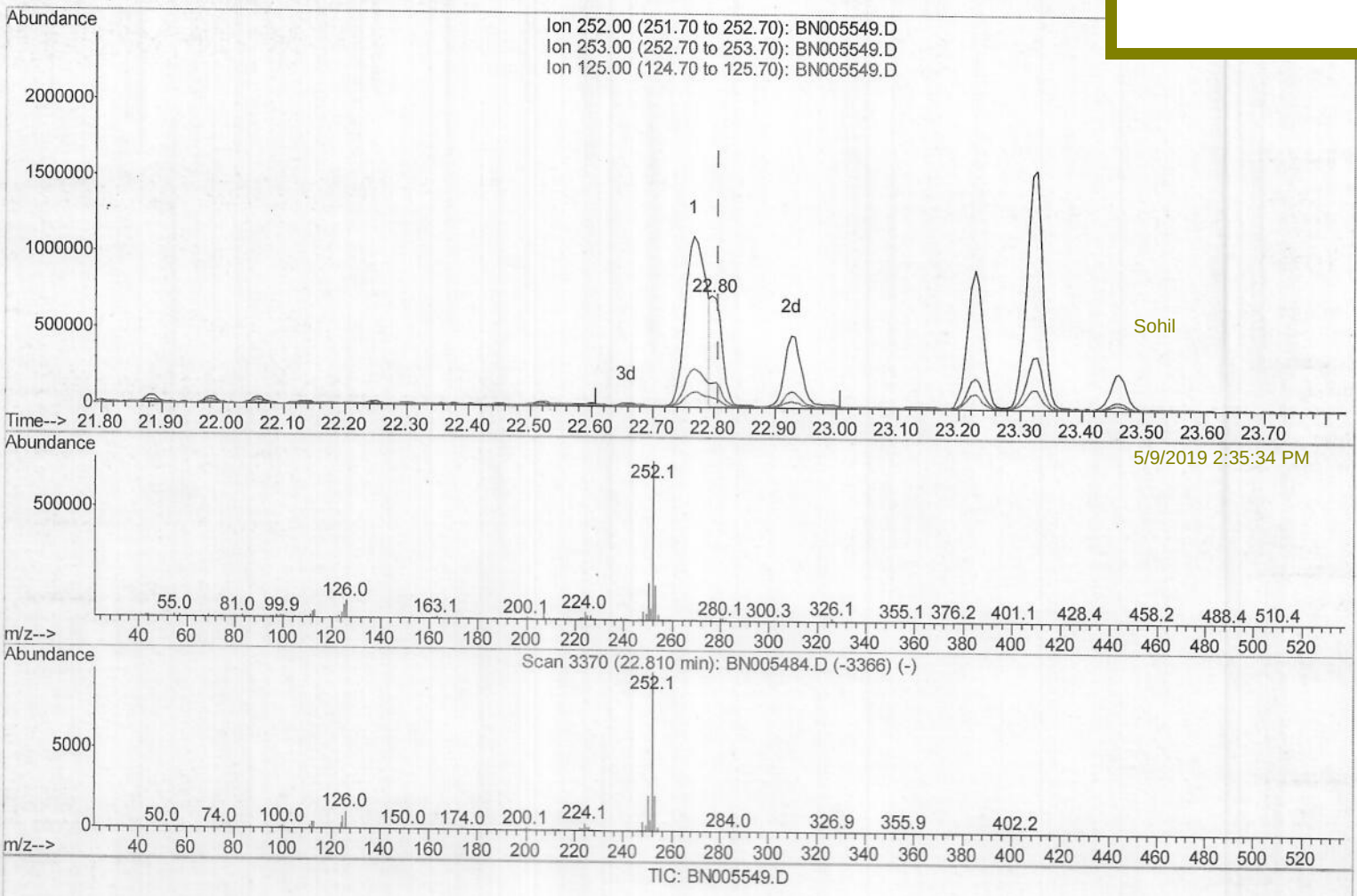
Instrument :
BNA_N
ClientSampleId :
GAJ84

Manual Integrations APPROVED



(88) Benzo(k)fluoranthene

22.798min (-0.012) 11.34ng/ul m)JU05/21/19

response 903993

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	22.09
125.00	9.40	8.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005549.D
Acq On : 09 May 2019 01:12
Operator : JU/SJ
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ALS Vial : 21 Sample Multiplier: 1

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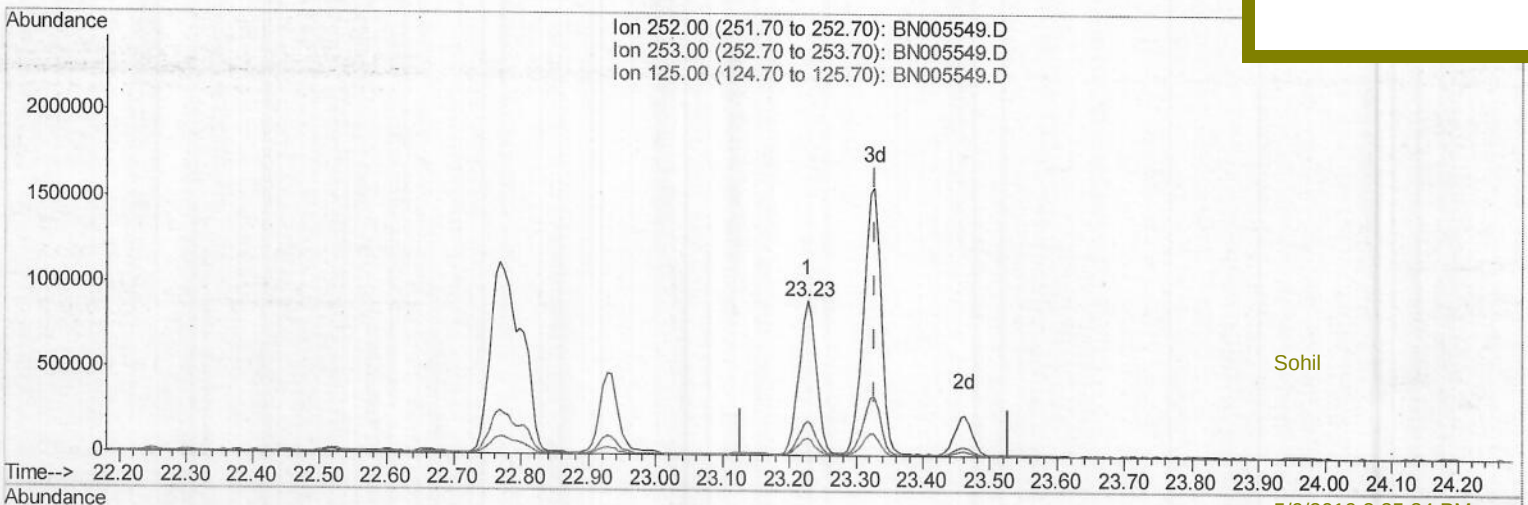
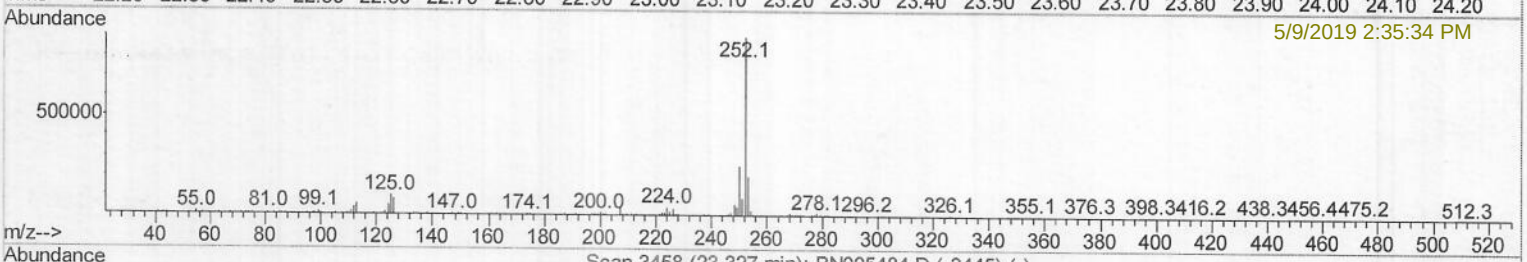
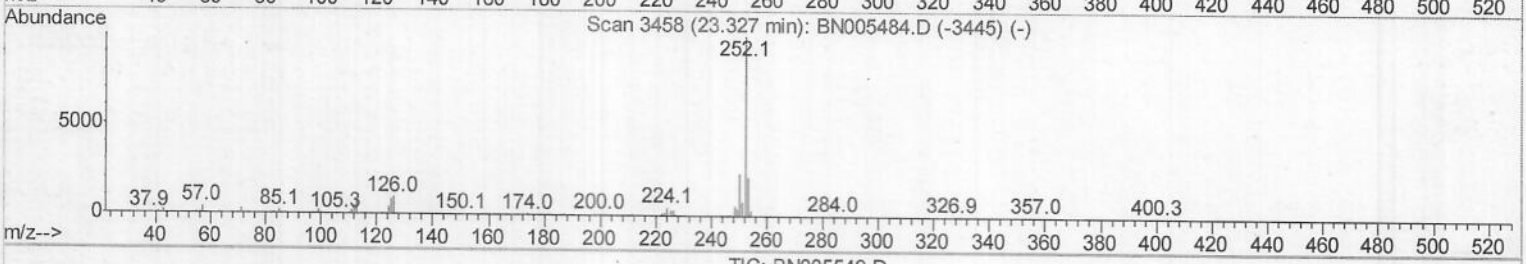
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ84

Manual Integrations APPROVED







TIC: BN005549.D

(90) Benzo(a)pyrene (C)

23.227min (-0.100) 20.45ng/ul

response 1603870

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	22.10
125.00	10.80	10.83
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
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Operator : JU/SJ
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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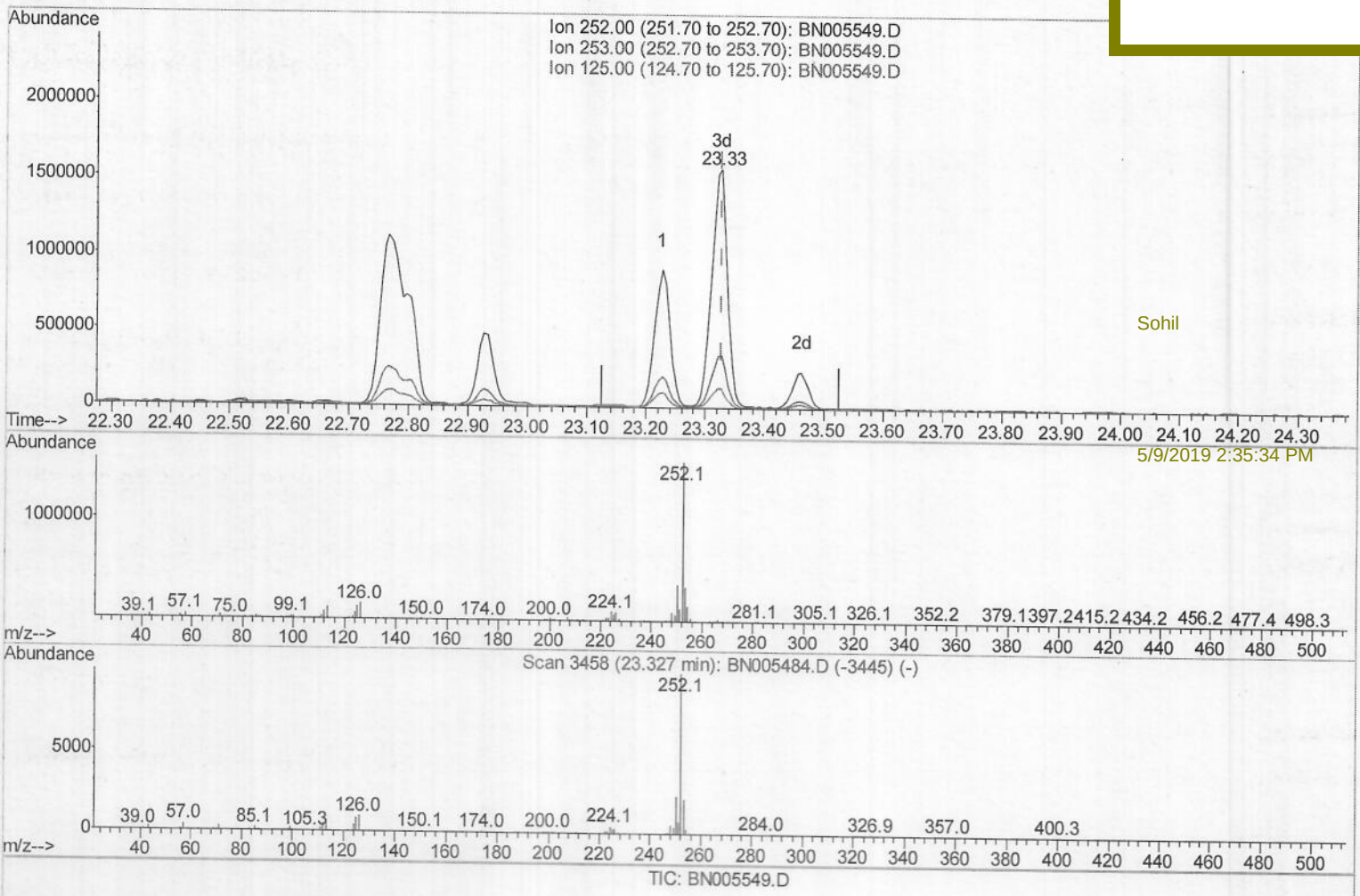
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ84

Manual Integrations APPROVED



TIC: BN005549.D

Sohil
5/9/2019 2:35:34 PM

(90) Benzo(a)pyrene (C)

23.327min (-0.000) 35.92ng/ul m JV05/21/19

response 2817082

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	21.77
125.00	10.80	8.08#
0.00	0.00	0.00

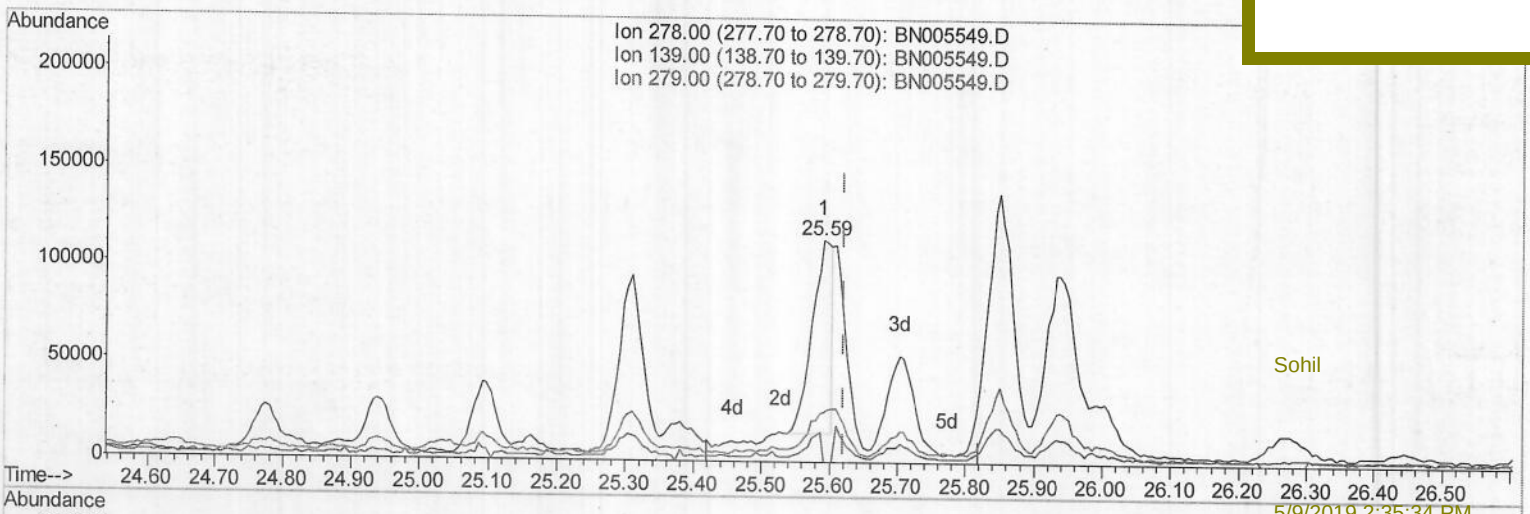
Quantitation Report (Qedit)

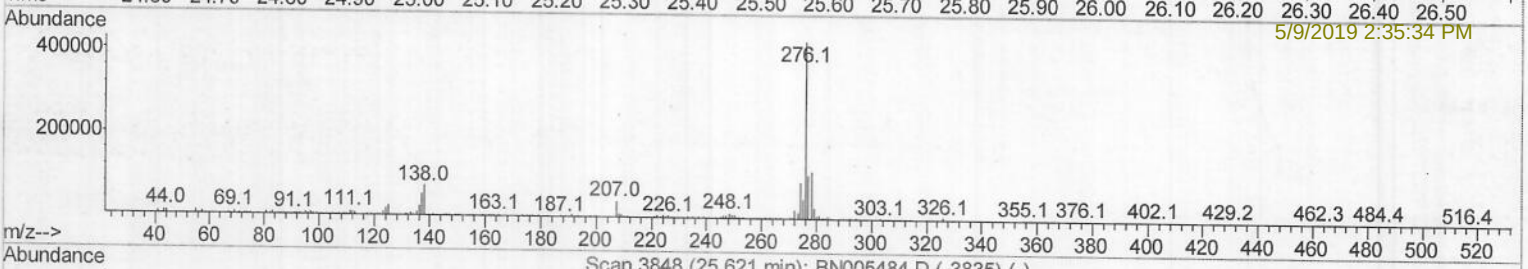
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005549.D
Acq On : 09 May 2019 01:12
Operator : JU/SJ
Sample : K2604-10 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 09 02:35:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

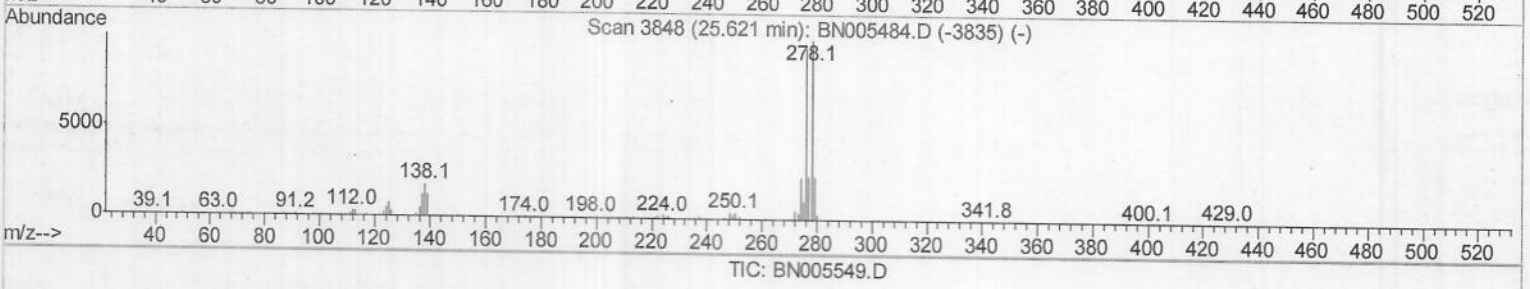
Instrument :
BNA_N
ClientSampleId :
GAJ84

Manual Integrations APPROVED





5/9/2019 2:35:34 PM



TIC: BN005549.D

(92) Dibenzo(a,h)anthracene

25.592min (-0.030) 2.79ng/ul

response 205002

Ion	Exp%	Act%
278.00	100	100
139.00	16.40	0.00#
279.00	24.20	22.26
0.00	0.00	0.00

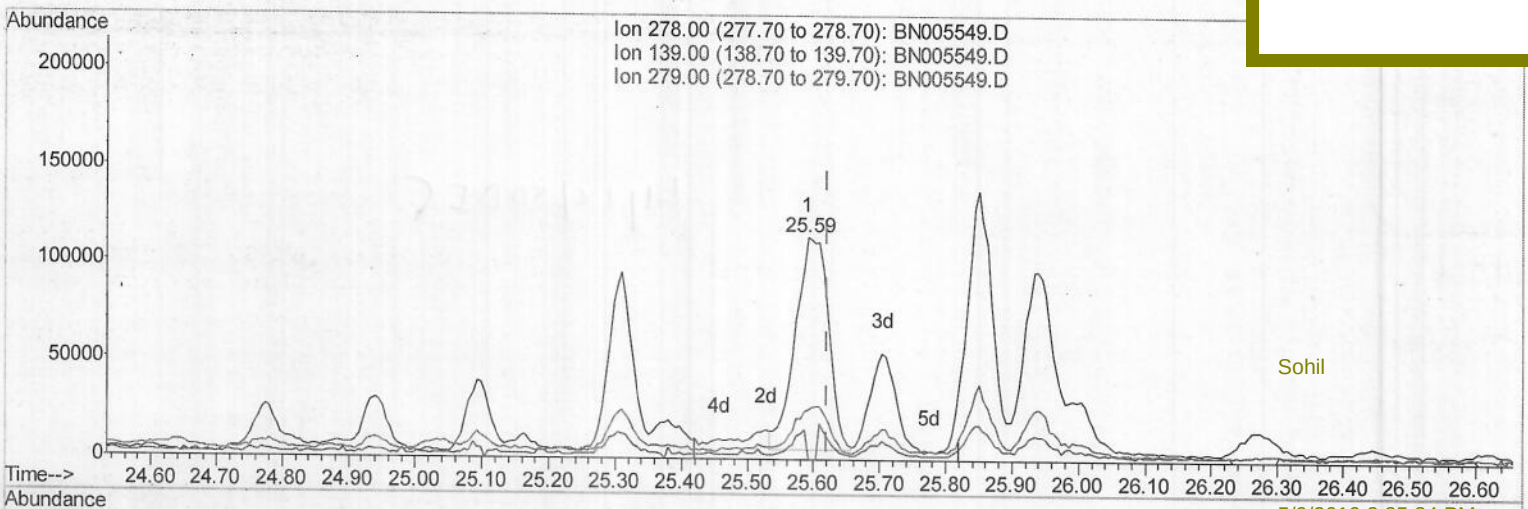
Quantitation Report (Qedit)

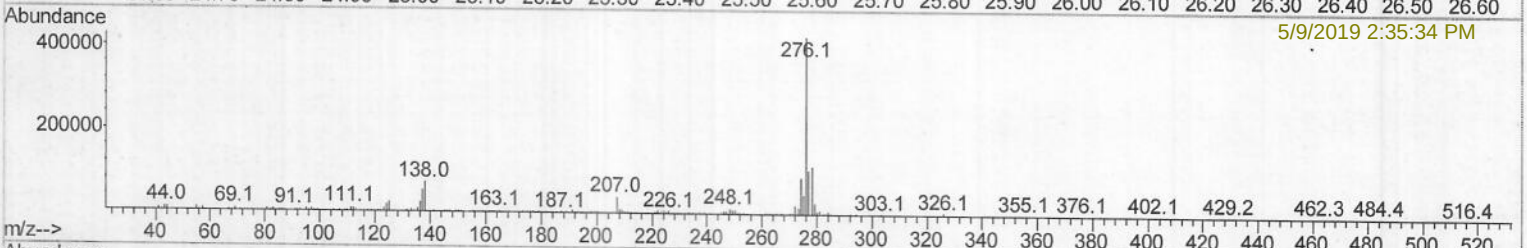
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005549.D
Acq On : 09 May 2019 01:12
Operator : JU/SJ
Sample : K2604-10 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

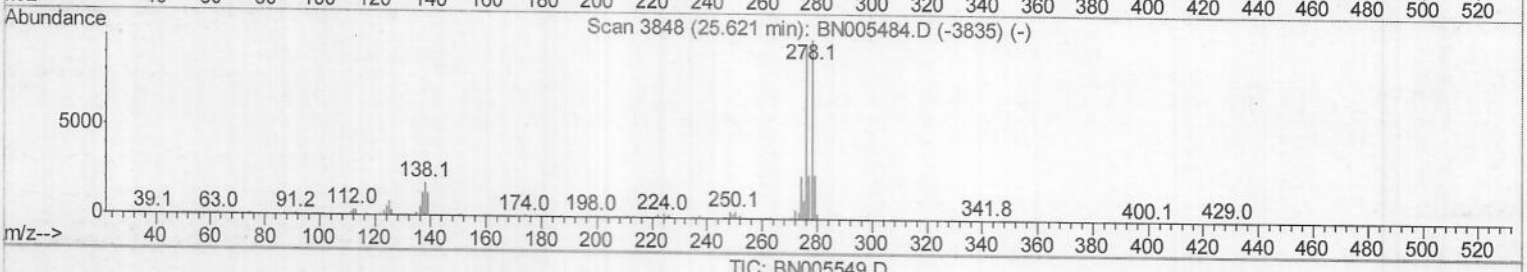
Quant Time: May 09 02:35:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ84

Manual Integrations APPROVED







TIC: BN005549.D

(92) Dibenzo(a,h)anthracene

25.592min (-0.030) 5.10ng/ul m JU05/21/19

response 374950

Ion	Exp%	Act%
278.00	100	100
139.00	16.40	0.00#
279.00	24.20	22.26
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005549.D
Acq On : 09 May 2019 01:12
Operator : JU/SJ
Sample : K2604-10 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 09 06:00:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

Instrument : BNA_N
ClientSampleId : GAJ84

Manual Integrations APPROVED

Sohil

5/9/2019 2:35:34 PM

JU 05/21/19

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	344866	20.00 ng/ul	0.00
18) Naphthalene-d8	10.35	136	1497350	20.00 ng/ul	0.00
35) Acenaphthene-d10	14.22	164	918623	20.00 ng/ul	0.00
61) Phenanthrene-d10	16.98	188	2022978	20.00 ng/ul	0.00
77) Chrysene-d12	21.22	240	1377654	20.00 ng/ul	0.00
85) Perylene-d12	23.42	264	1484212	20.00 ng/ul	0.00
System Monitoring Compounds					
3) 1,4-Dioxane-d8	3.22	96	2005m	0.28 ng/uL	0.00
5) Phenol-d5	6.78	99	47647	1.76 ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	29295	1.73 ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	41408	2.00 ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	40006	1.89 ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	22167	2.41 ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	21356	2.29 ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	44360m	2.07 ng/ul	0.02
29) 4-Chloroaniline-d4	10.51	131	37445m	1.70 ng/ul	0.02
43) Dimethylphthalate-d6	13.64	166	155173	2.33 ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	189222	2.31 ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	13046m	1.24 ng/ul	0.03
57) Fluorene-d10	15.22	176	137840	2.46 ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	4372m	0.48 ng/ul	0.02
70) Anthracene-d10	17.08	188	203242	2.40 ng/ul	0.00
78) Pyrene-d10	19.39	212	197298	2.80 ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	149531	2.31 ng/ul	0.00
Target Compounds					Qvalue
34) 2-Methylnaphthalene	12.02	142	62692	1.230 ng/ul	96
47) Acenaphthylene	13.94	152	1891380	23.498 ng/ul	99
49) Acenaphthene	14.29	153	212718	3.871 ng/ul	99
58) Fluorene	15.28	166	1236388	20.028 ng/ul	98
69) Phenanthrene	17.03	178	7869097	79.871 ng/ul	99
71) Anthracene	17.12	178	3438726	34.262 ng/ul	99
76) Fluoranthene	19.06	202	9024394	82.581 ng/ul	97
79) Pyrene	19.43	202	12655033	142.668 ng/ul	97
82) Benzo(a)anthracene	21.20	228	3963968m	46.252 ng/ul	
84) Chrysene	21.25	228	3507978	44.102 ng/ul	97
87) Benzo(b)fluoranthene	22.77	252	2633530	31.565 ng/ul	98
88) Benzo(k)fluoranthene	22.80	252	903993m	11.345 ng/ul	
90) Benzo(a)pyrene	23.33	252	2817082m	35.922 ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.60	276	1247777	14.391 ng/ul#	94
92) Dibenzo(a,h)anthracene	25.59	278	374950m	5.096 ng/ul	
93) Benzo(g,h,i)perylene	26.27	276	1238851	17.280 ng/ul#	93

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