

(QT Reviewed)

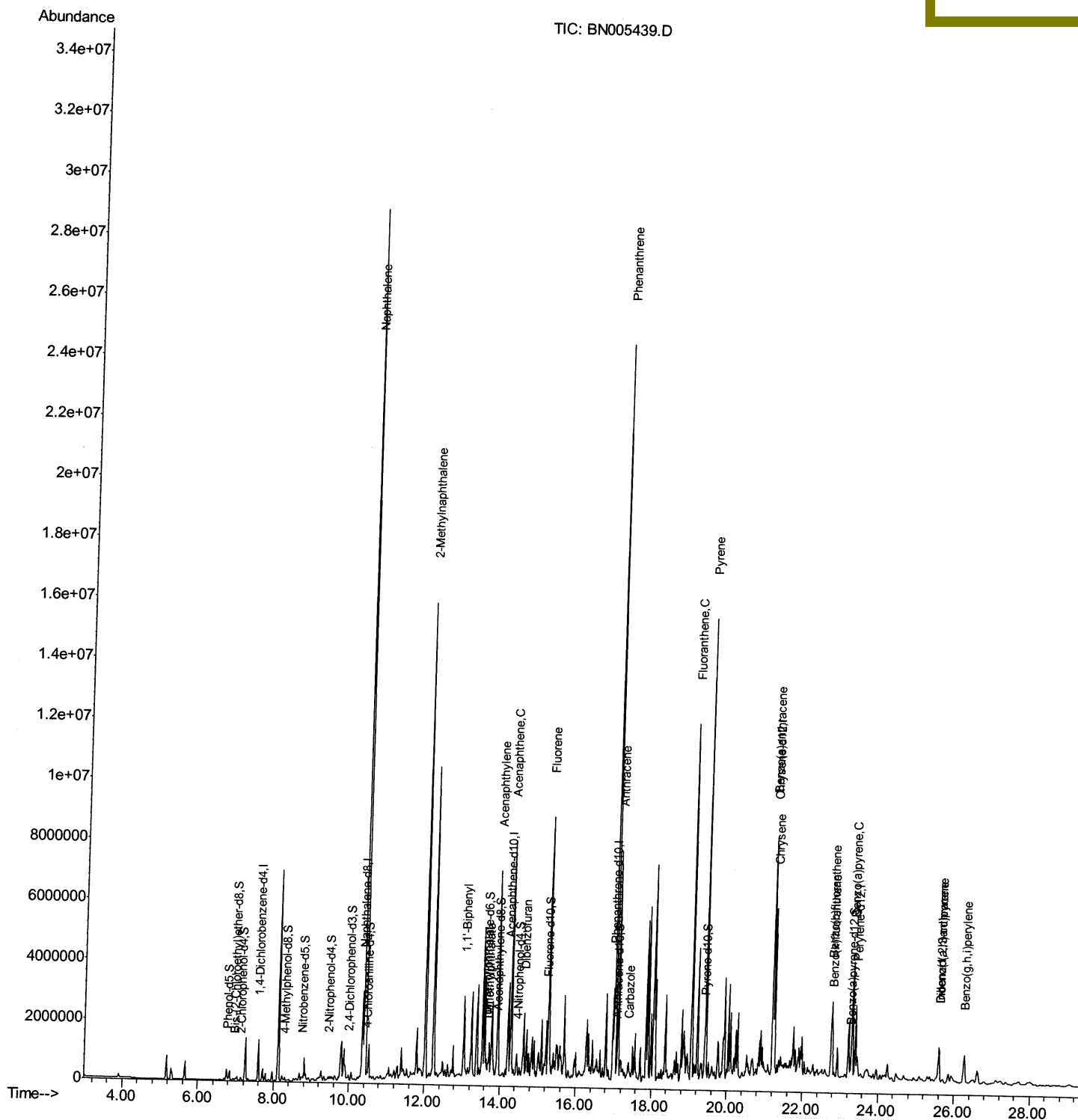
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005439.D
Acq On : 03 May 2019 05:22
Operator : JU/SJ
Sample : K2603-10 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ62

Quant Time: May 03 07:51:32 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

Manual Integrations
APPROVED

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Quantitation Report (Qedit)

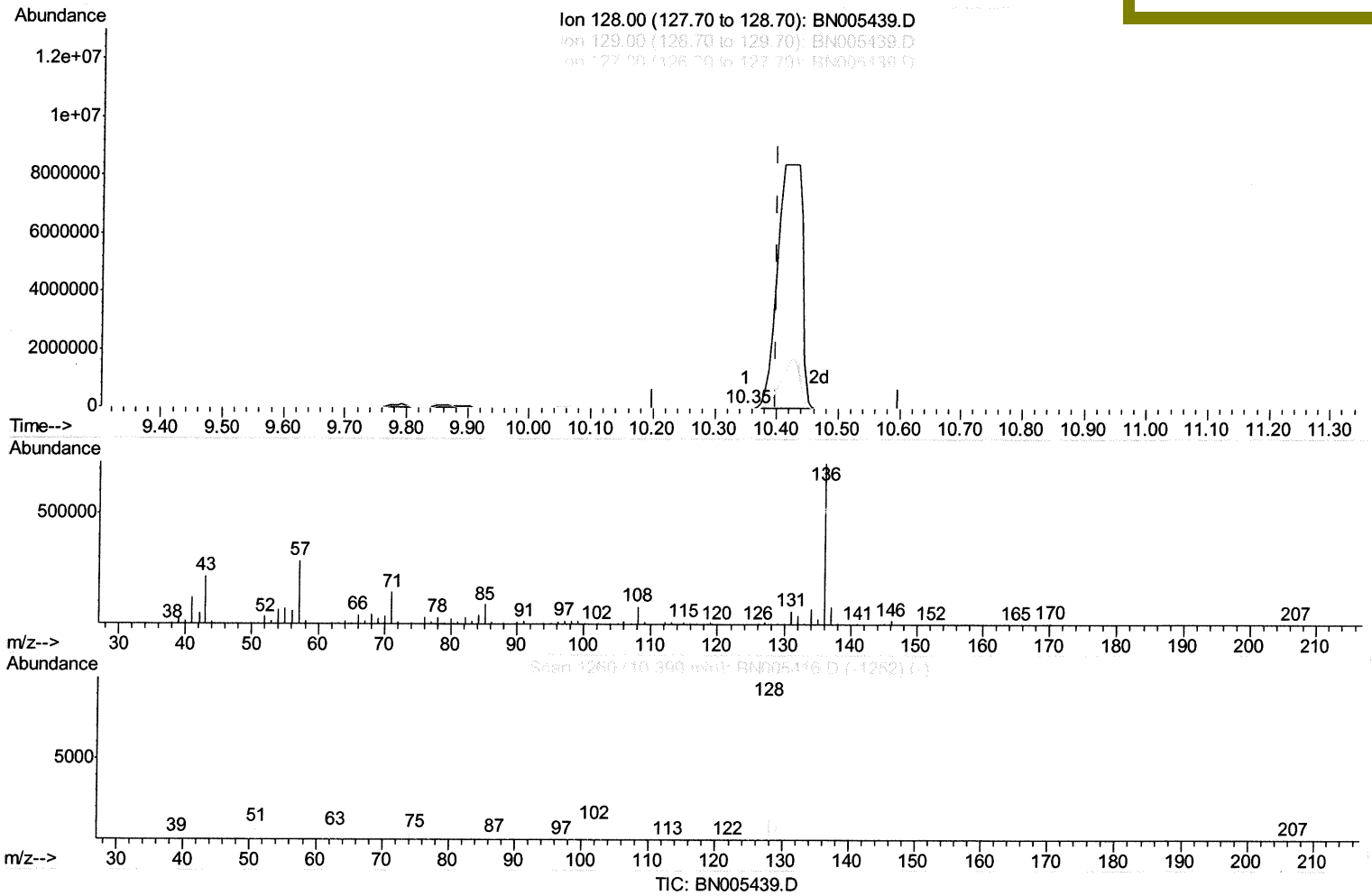
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
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(28) Naphthalene

10.351min (-0.048) 0.14ng/ul

response 10394

Ion	Exp%	Act%
128.00	100	100
129.00	11.50	99.42#
127.00	13.40	110.42#
0.00	0.00	0.00

Quantitation Report (Qedit)

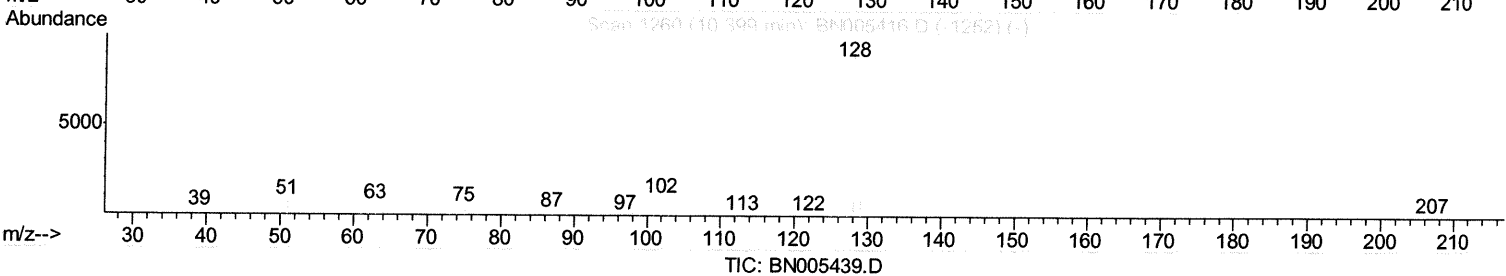
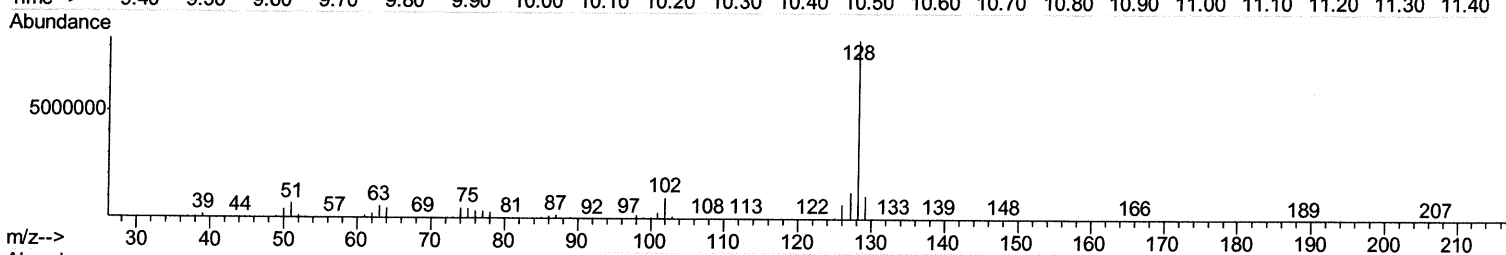
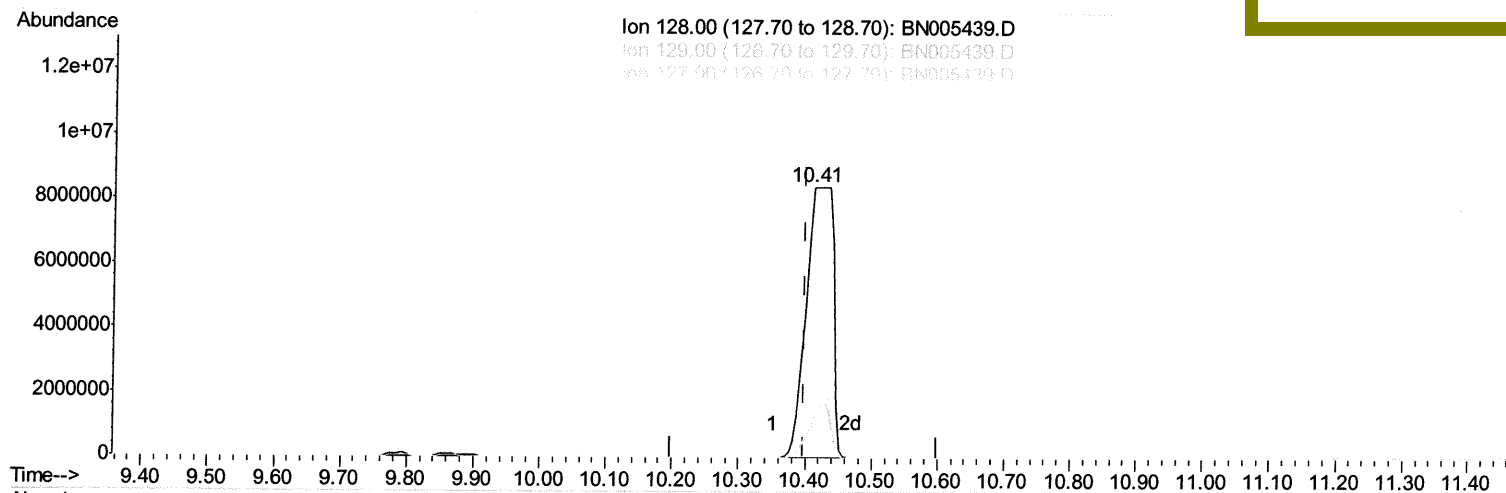
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
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(28) Naphthalene

10.410min (+0.011) 307.34ng/ul m SJ 05/12/19

response 23402003

Ion	Exp%	Act%
128.00	100	100
129.00	11.50	13.12
127.00	13.40	15.08
0.00	0.00	0.00

Quantitation Report (Qedit)

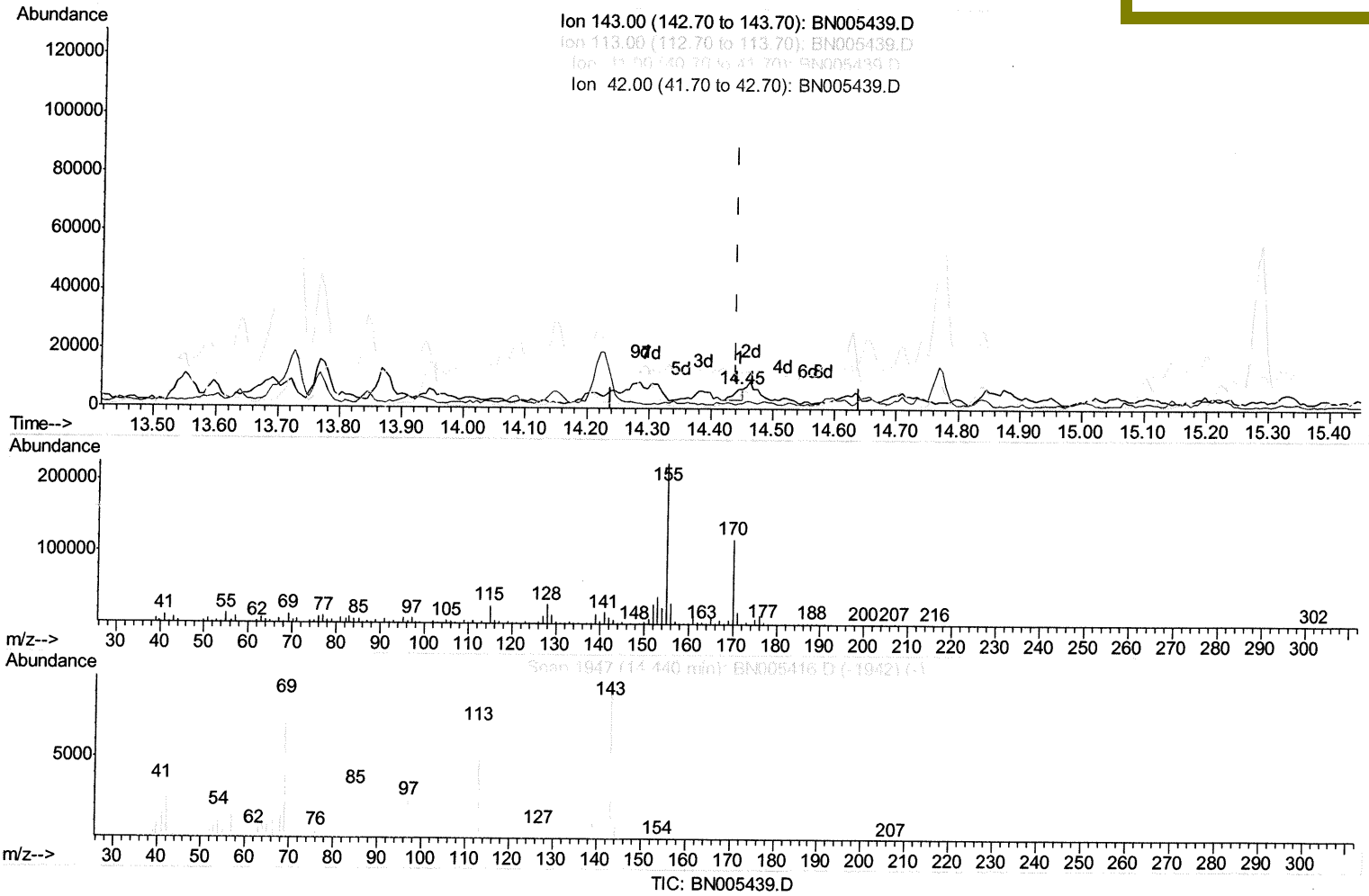
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
 Data File : BN005439.D
 Acq On : 03 May 2019 05:22
 Operator : JU/SJ
 Sample : K2603-10 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
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(51) 4-Nitrophenol-d4 (S)

14.445min (+0.005) 0.40ng/ul

response 4558

Ion	Exp%	Act%
143.00	100	100
113.00	82.50	59.49#
41.00	47.90	167.33#
42.00	31.70	27.12

Quantitation Report (Qedit)

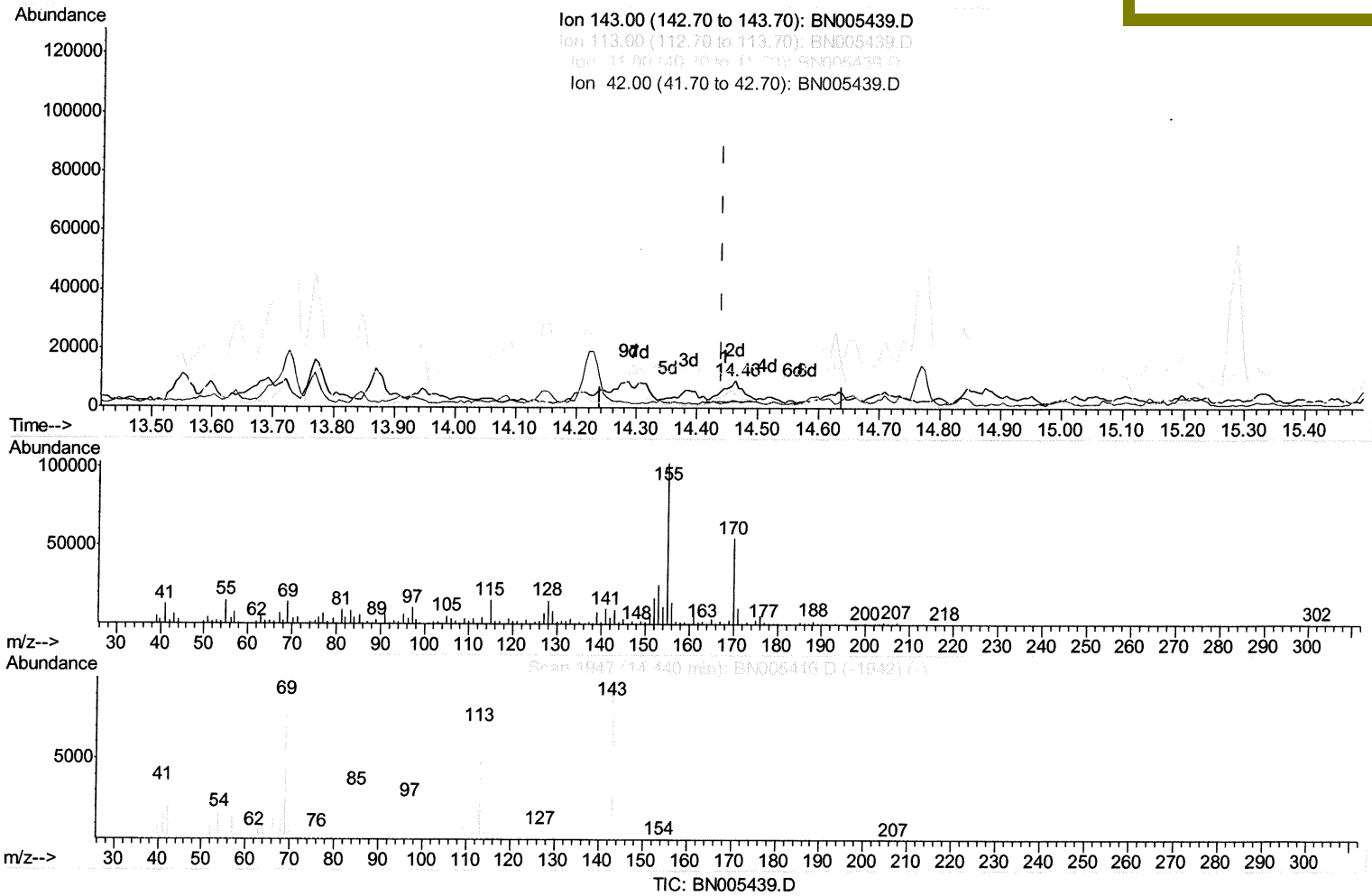
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
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 Misc :
 ALS Vial : 24 Sample Multiplier: 1

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 ClientSampleId :
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Manual Integrations
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(51) 4-Nitrophenol-d4 (S)

14.463min (+0.023) 1.48ng/ul m SJ 05/12/19

response 16745

Ion	Exp%	Act%
143.00	100	100
113.00	82.50	47.57#
41.00	47.90	137.15#
42.00	31.70	26.73

Quantitation Report (Qedit)

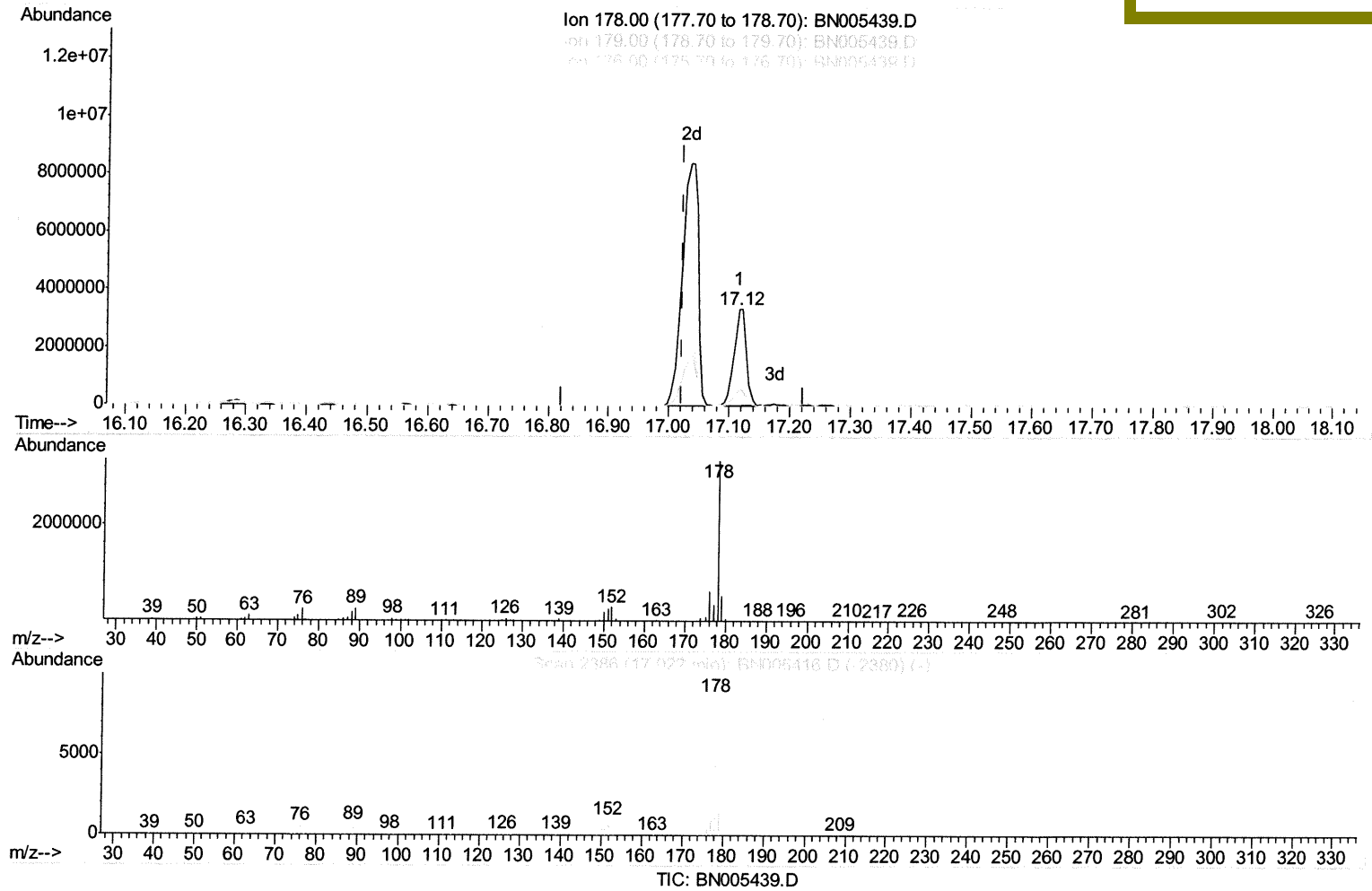
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
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(69) Phenanthrene

17.115min (+0.094) 46.62ng/ul

response 4742154

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	16.02
176.00	18.90	18.58
0.00	0.00	0.00

Quantitation Report (Qedit)

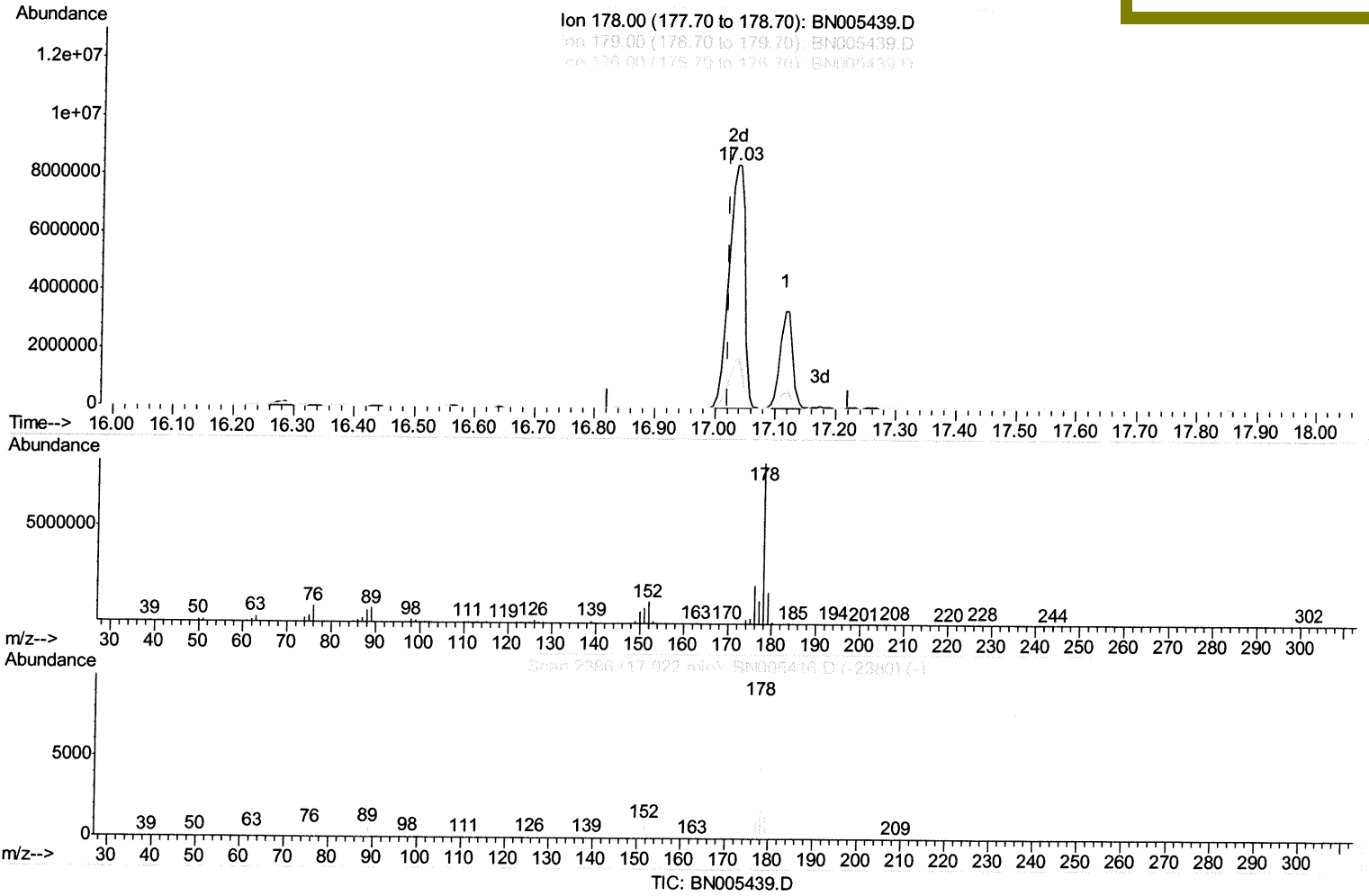
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
 Data File : BN005439.D
 Acq On : 03 May 2019 05:22
 Operator : JU/SJ
 Sample : K2603-10 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
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Manual Integrations
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(69) Phenanthrene

17.033min (+0.011) 152.59ng/ul m SJ 05/12/19

response 15520668

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	19.96#
176.00	18.90	23.96#
0.00	0.00	0.00

Quantitation Report (Qedit)

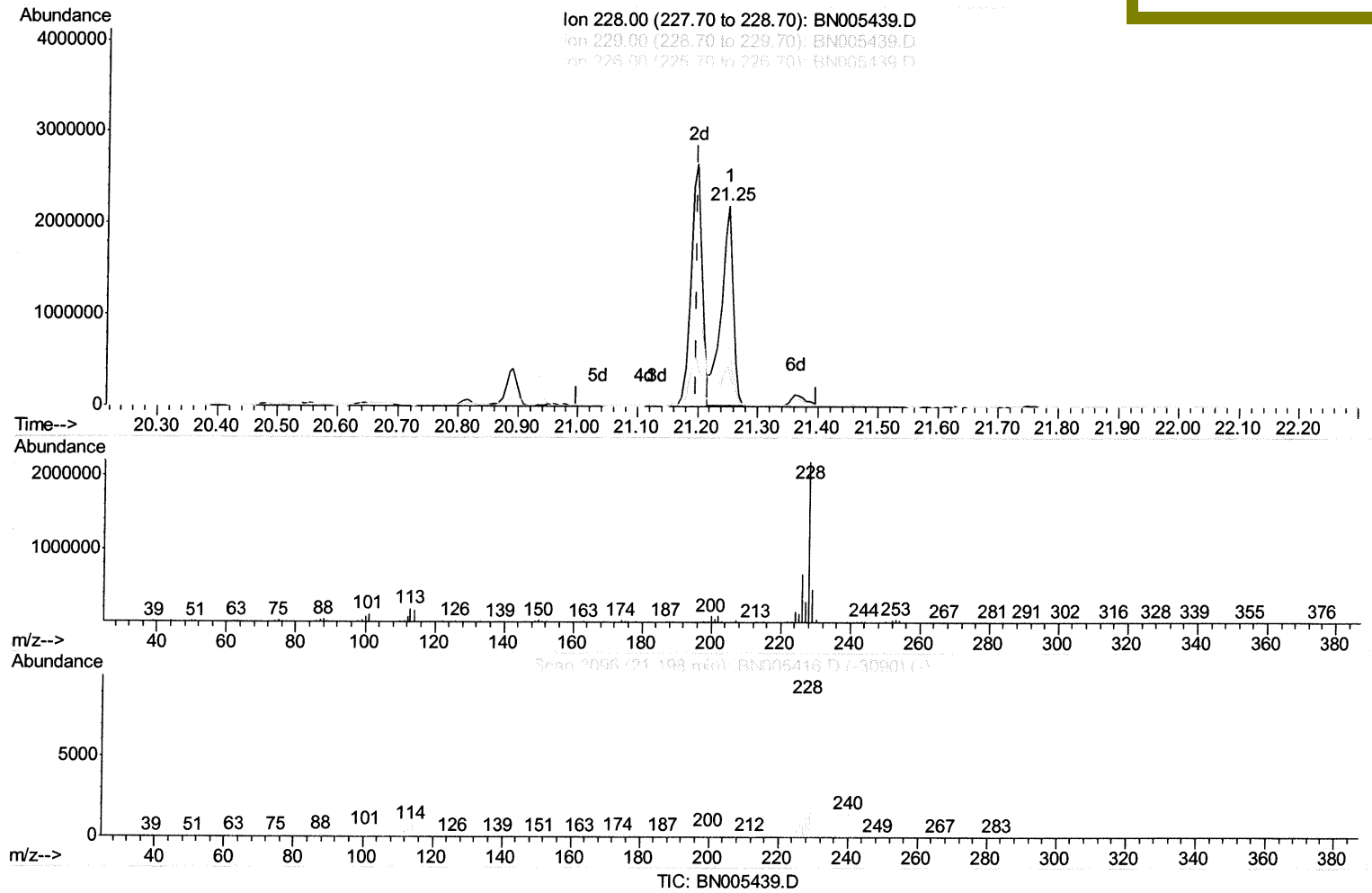
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
 Data File : BN005439.D
 Acq On : 03 May 2019 05:22
 Operator : JU/SJ
 Sample : K2603-10 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ62

Manual Integrations
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
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(82) Benzo(a)anthracene

21.251min (+0.052) 30.74ng/ul

response 3040201

Ion	Exp%	Act%
228.00	100	100
229.00	19.70	20.35
226.00	26.80	30.16
0.00	0.00	0.00

Quantitation Report (Qedit)

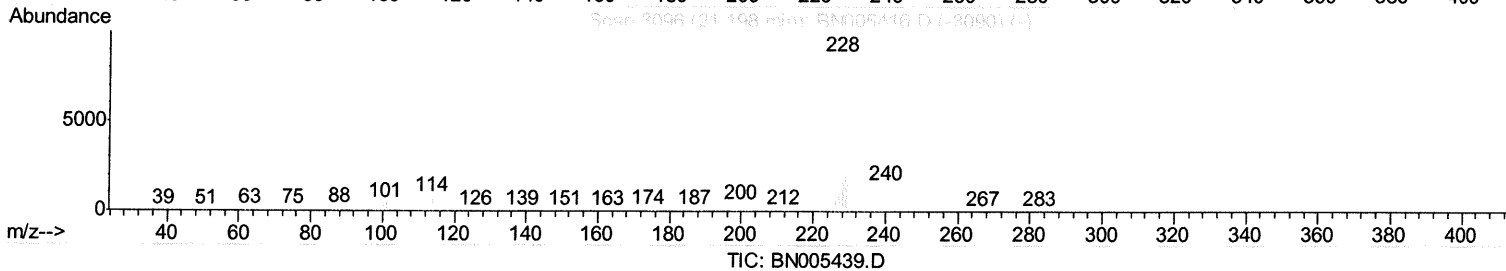
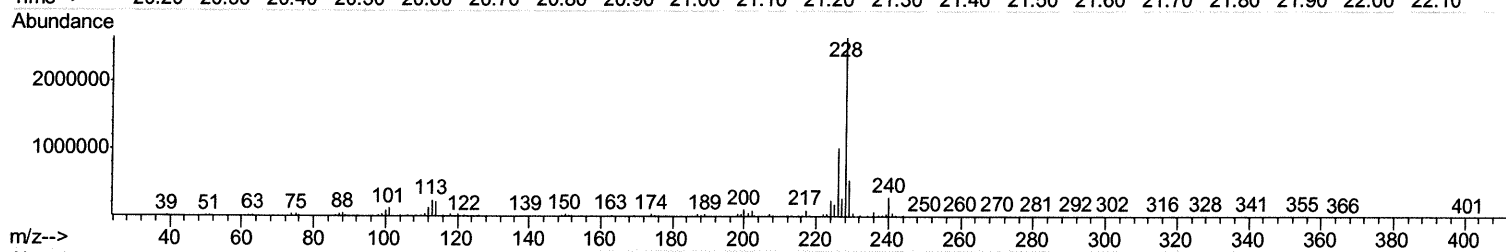
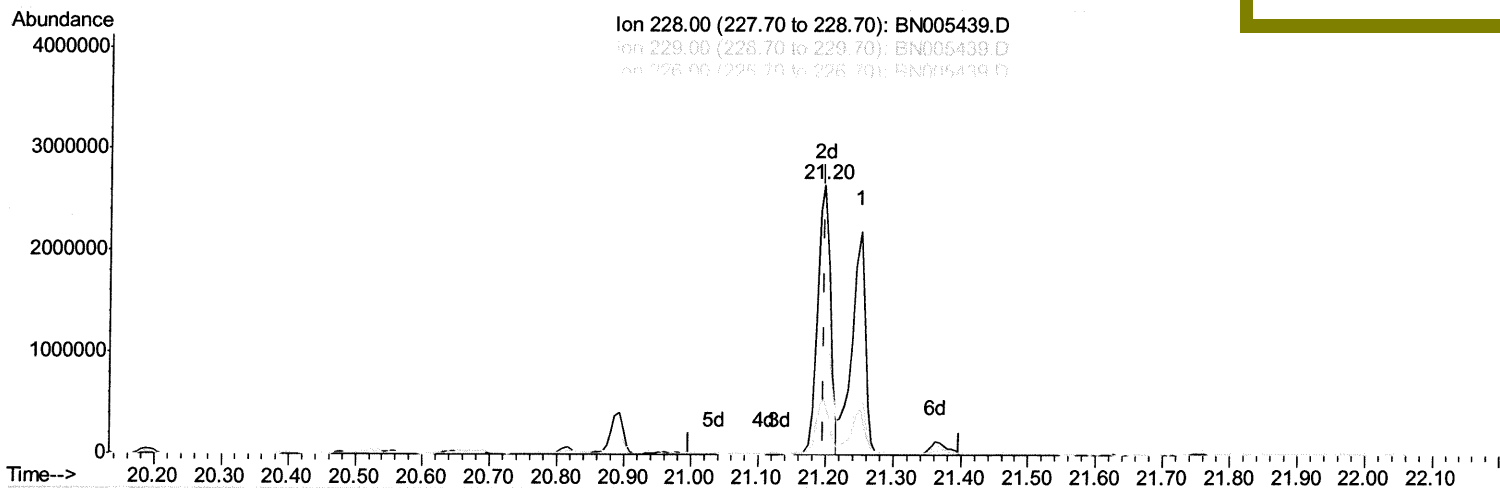
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005439.D
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Operator : JU/SJ
Sample : K2603-10 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 03 07:47:27 2019
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ClientSampleId :
GAJ62

Manual Integrations
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(82) Benzo(a)anthracene

21.198min (-0.000) 35.27ng/ul m *SJ 05/12/19*

response 3488695

Ion	Exp%	Act%
228.00	100	100
229.00	19.70	20.69
226.00	26.80	38.41#
0.00	0.00	0.00

Quantitation Report (Qedit)

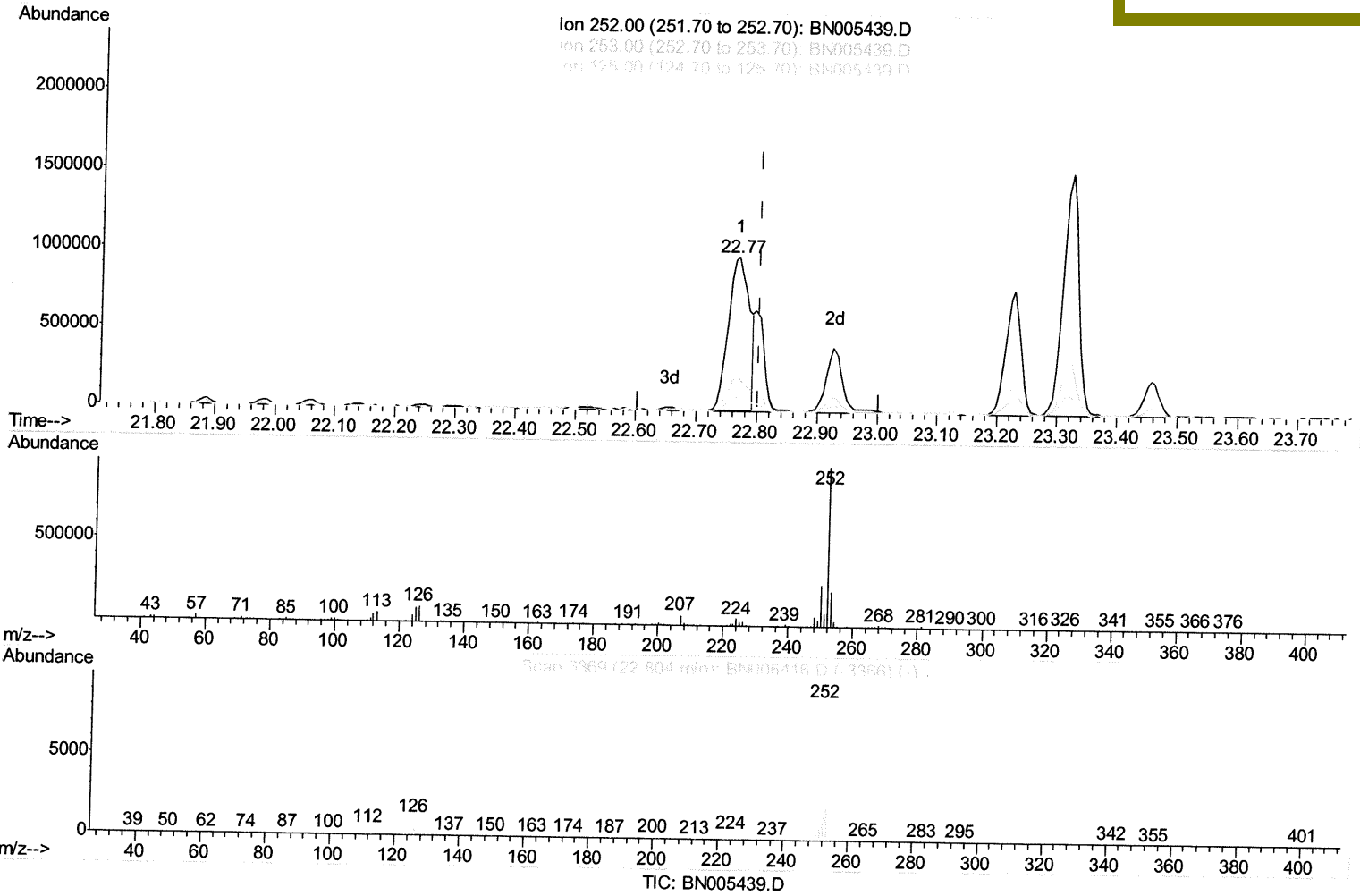
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
 Data File : BN005439.D
 Acq On : 03 May 2019 05:22
 Operator : JU/SJ
 Sample : K2603-10 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ62

Quant Time: May 03 07:47:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
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Manual Integrations
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(88) Benzo(k)fluoranthene

22.768min (-0.036) 25.21ng/ul

response 2372017

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	22.24
125.00	9.40	9.02
0.00	0.00	0.00

Quantitation Report (Qedit)

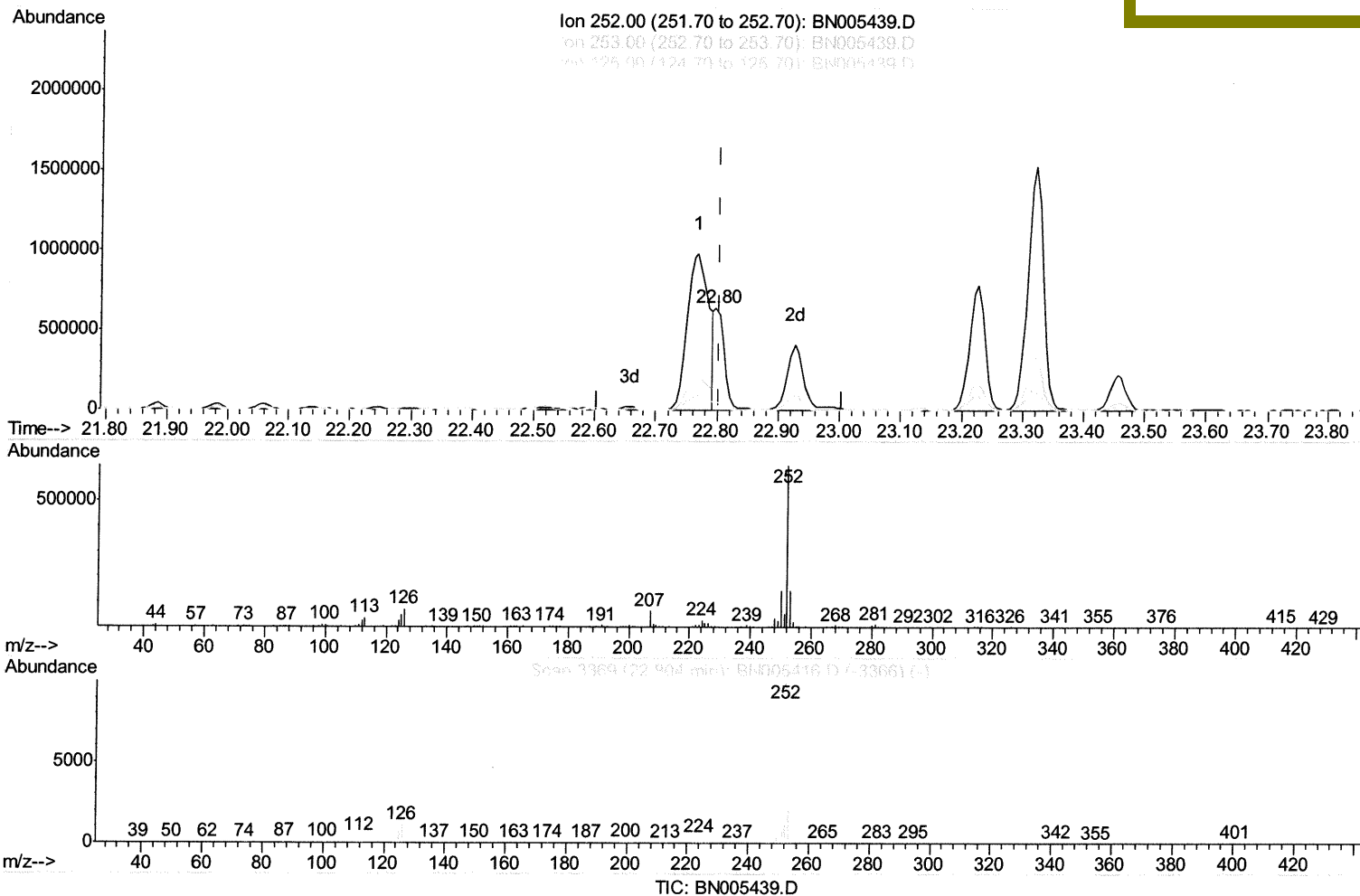
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005439.D
Acq On : 03 May 2019 05:22
Operator : JU/SJ
Sample : K2603-10 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAJ62

Quant Time: May 03 07:47:27 2019
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Response via : Initial Calibration

Manual Integrations
APPROVED

Sohil
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(88) Benzo(k)fluoranthene

22.797min (-0.006) 7.65ng/ul m *SJ 05/12/19*

response 719922

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	22.93
125.00	9.40	7.86
0.00	0.00	0.00

Quantitation Report (Qedit)

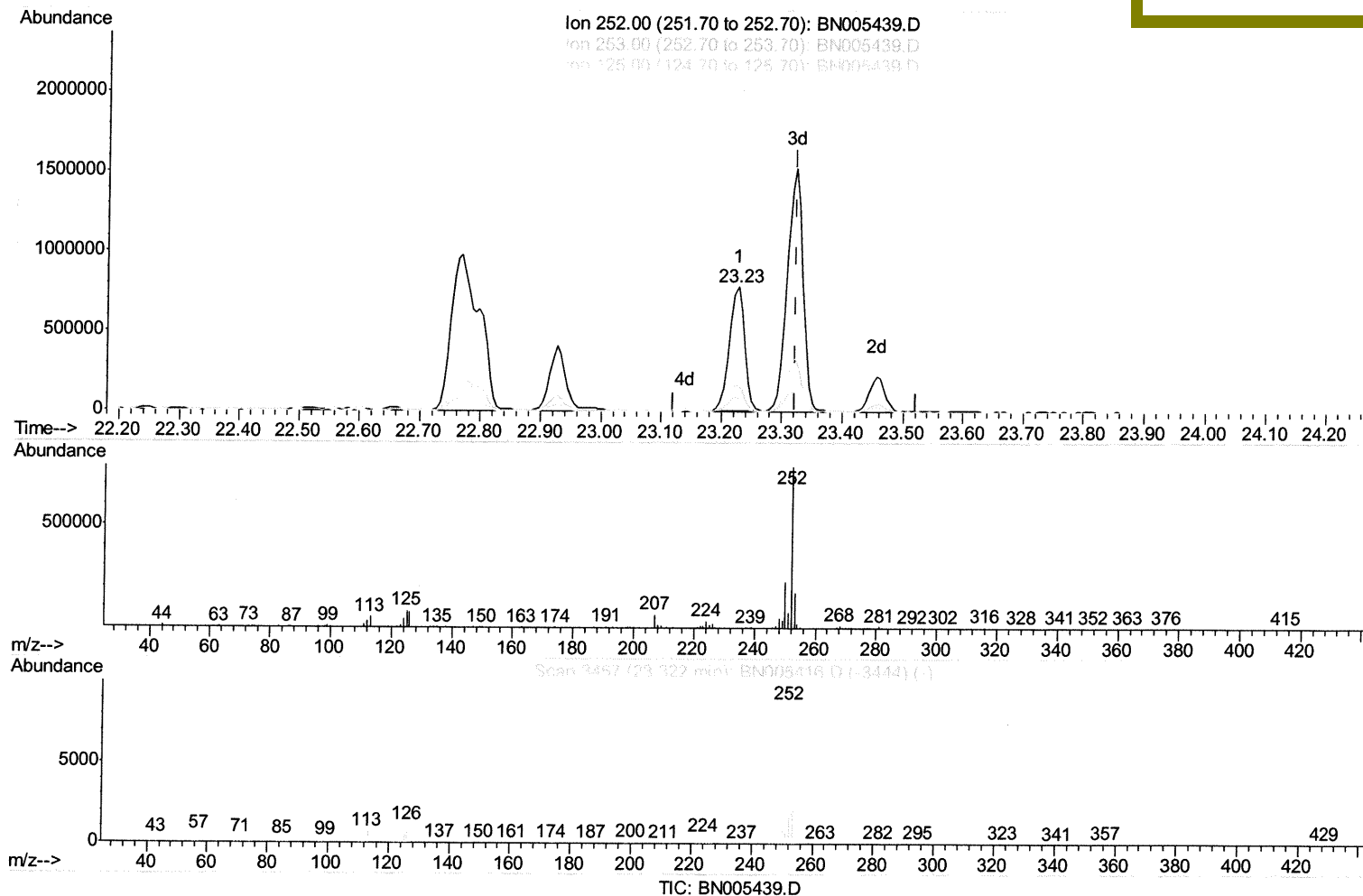
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
 Data File : BN005439.D
 Acq On : 03 May 2019 05:22
 Operator : JU/SJ
 Sample : K2603-10 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
ClientSampleId :
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Manual Integrations
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(90) Benzo(a)pyrene (C)

23.227min (-0.095) 14.66ng/ul

response 1357967

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	22.02
125.00	10.80	10.52
0.00	0.00	0.00

Quantitation Report (Qedit)

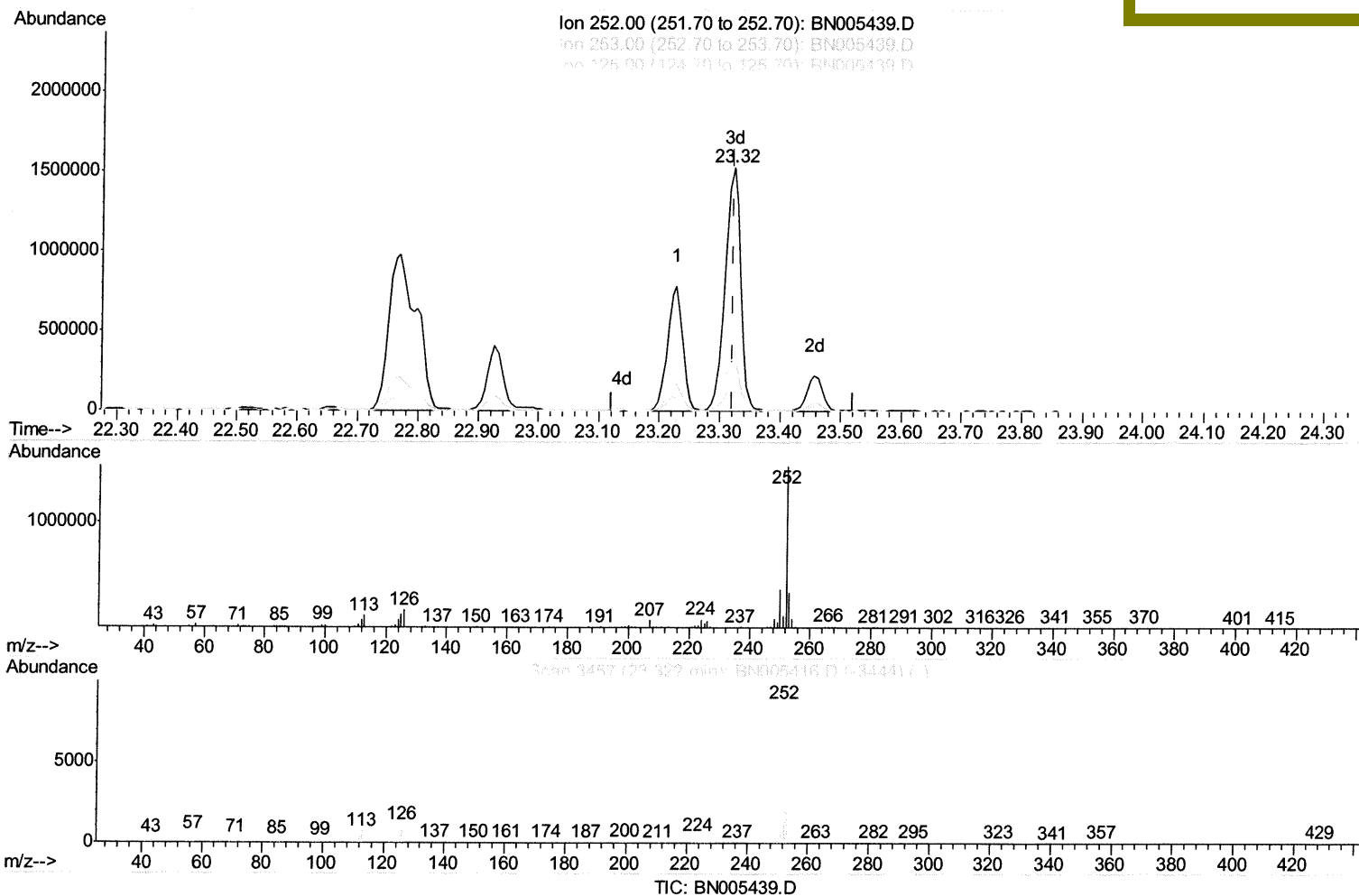
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
 Data File : BN005439.D
 Acq On : 03 May 2019 05:22
 Operator : JU/SJ
 Sample : K2603-10 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

Sohil
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(90) Benzo(a)pyrene (C)

23.321min (-0.000) 29.69ng/ul m *SJ 05/12/19*

response 2749827

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	21.79
125.00	10.80	8.42#
0.00	0.00	0.00

Quantitation Report (Qedit)

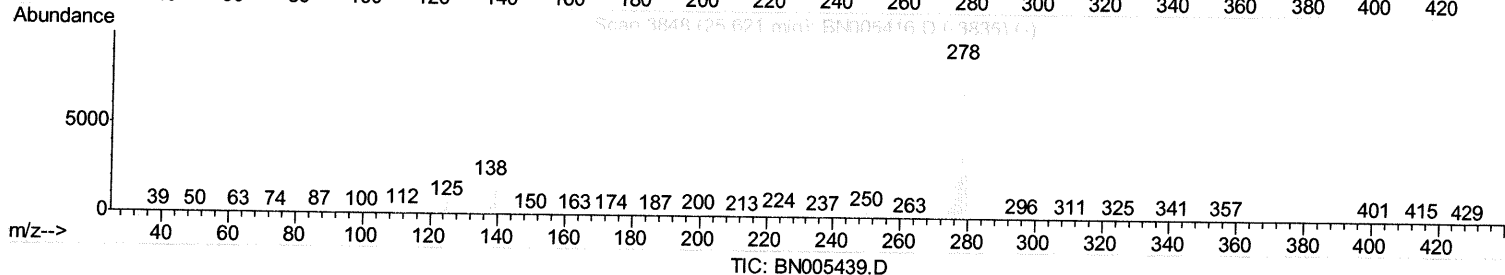
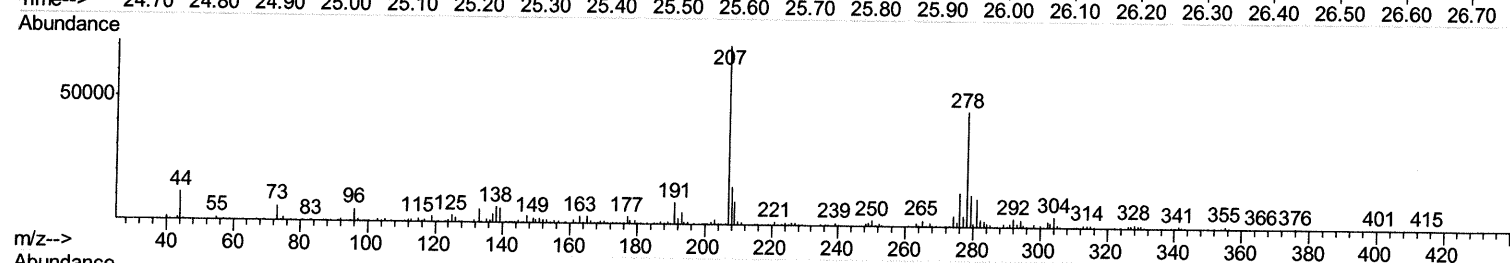
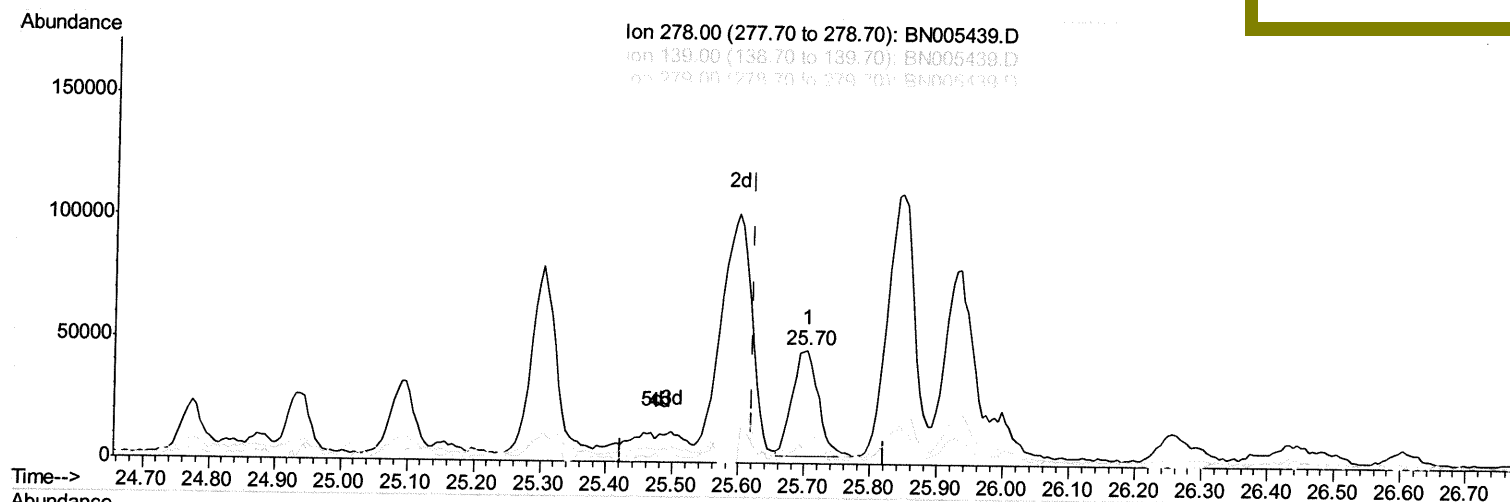
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(92) Dibenzo(a,h)anthracene

25.703min (+0.082) 1.37ng/ul

response 119295

Ion	Exp%	Act%
278.00	100	100
139.00	16.40	13.91
279.00	24.20	28.71
0.00	0.00	0.00

Quantitation Report (Qedit)

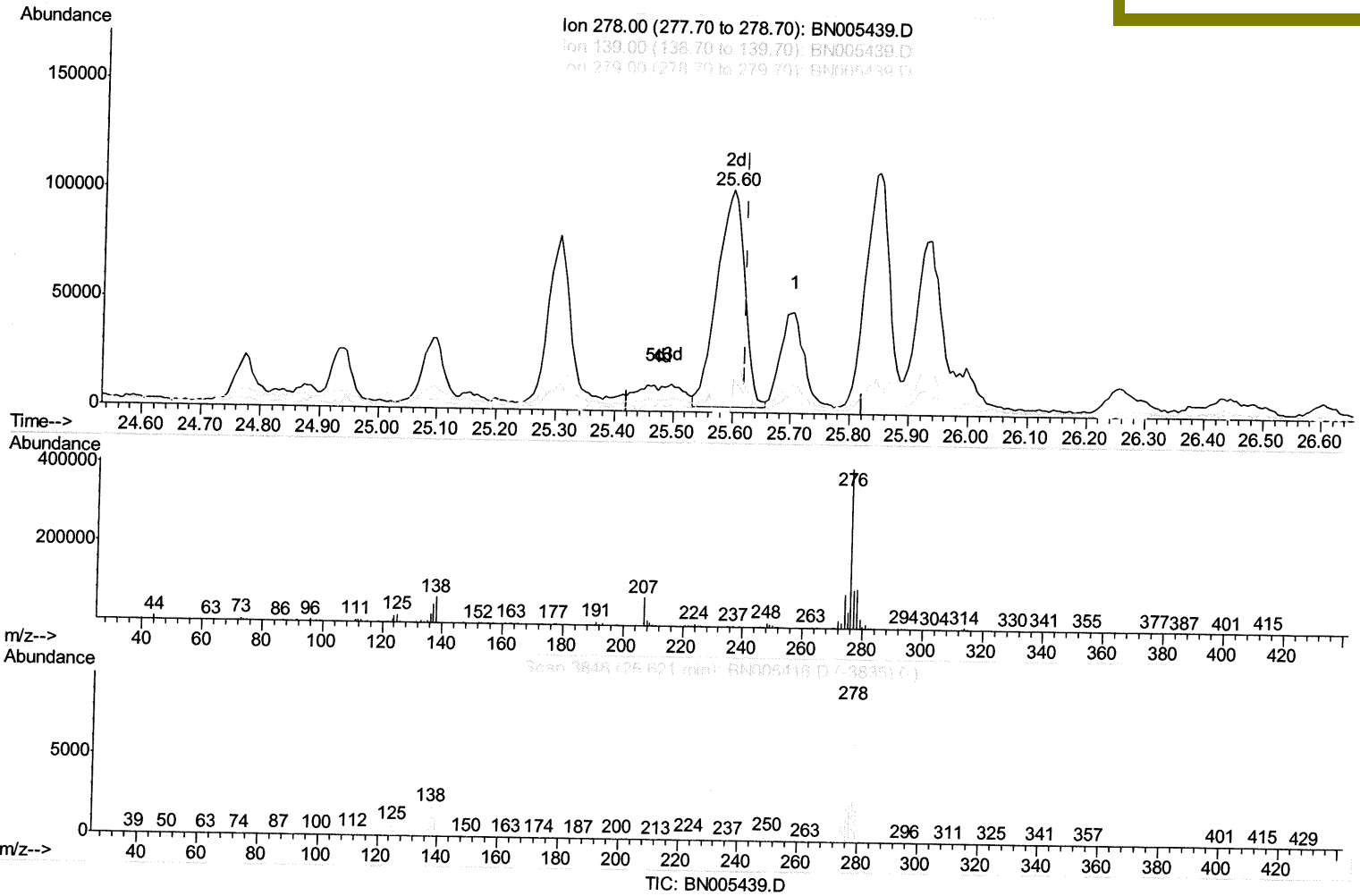
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 APPROVED

Sohil
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(92) Dibenzo(a,h)anthracene

25.597min (-0.024) 3.72ng/ul m SJ 05/12/19

response 323158

Ion	Exp%	Act%
278.00	100	100
139.00	16.40	0.00#
279.00	24.20	26.08
0.00	0.00	0.00

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	375816	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1637906	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	985554	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	2088493	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	1589934	20.00	ng/ul	0.00
85) Perylene-d12	23.41	264	1752637	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	2324	0.30	ng/uL	0.00
5) Phenol-d5	6.77	99	55045	1.86	ng/ul	0.00
7) Bis-(2-Chloroethyl) ether-d	6.94	67	36642	1.99	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	47153	2.09	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	47694	2.07	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	28098	2.79	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	25944	2.54	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	51728	2.21	ng/ul	0.00
29) 4-Chloroaniline-d4	10.47	131	150233	6.22	ng/ul	-0.02
43) Dimethylphthalate-d6	13.64	166	192509	2.69	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	223041	2.54	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	16745m>	1.48	ng/ul>	0.02>
57) Fluorene-d10	15.23	176	168770	2.81	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	4816	0.51	ng/ul	0.01
70) Anthracene-d10	17.08	188	246134	2.81	ng/ul	0.00
78) Pyrene-d10	19.39	212	246017	3.02	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	210050	2.74	ng/ul	0.00

SJ 05/12/19

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Naphthalene	10.41	128	23402003m>	307.340	ng/ul>	>
34) 2-Methylnaphthalene	12.03	142	7992343	143.352	ng/ul	99
40) 1,1'-Biphenyl	13.05	154	1206721	16.433	ng/ul	97
44) Dimethylphthalate	13.69	163	71671	1.005	ng/ul#	96
47) Acenaphthylene	13.95	152	3991457	46.222	ng/ul	97
49) Acenaphthene	14.29	153	3117432	52.880	ng/ul	99
53) Dibenzofuran	14.63	168	707250	8.332	ng/ul	99
58) Fluorene	15.29	166	4105299	61.983	ng/ul	98
69) Phenanthrene	17.03	178	15520668m>	152.593	ng/ul>	>
71) Anthracene	17.12	178	4768808	46.024	ng/ul	99
74) Carbazole	17.39	167	272508	3.062	ng/ul	97
76) Fluoranthene	19.06	202	7454186	66.072	ng/ul	96
79) Pyrene	19.43	202	10125331	98.908	ng/ul	98
82) Benzo(a)anthracene	21.20	228	3488695m>	35.271	ng/ul>	>
84) Chrysene	21.25	228	3041314	33.131	ng/ul	99
87) Benzo(b)fluoranthene	22.77	252	2372017	24.076	ng/ul	99
88) Benzo(k)fluoranthene	22.80	252	719922m>	7.651	ng/ul>	>
90) Benzo(a)pyrene	23.32	252	2749827m>	29.694	ng/ul>	>
91) Indeno(1,2,3-cd)pyrene	25.59	276	1108689	10.829	ng/ul#	94
92) Dibenzo(a,h)anthracene	25.60	278	323158m>	3.719	ng/ul>	>
93) Benzo(g,h,i)perylene	26.26	276	1112107	13.136	ng/ul	95

SJ 05/12/19

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SJ 05/12/19

SJ 05/12/19

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
 Data File : BN005439.D
 Acq On : 03 May 2019 05:22
 Operator : JU/SJ
 Sample : K2603-10 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ62

Quant Time: May 03 07:51:32 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

Manual Integrations
 APPROVED

Sohil
 5/3/2019 4:57:37 PM

Internal Standards R.T. QIon Response Conc Units Dev(Min)

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