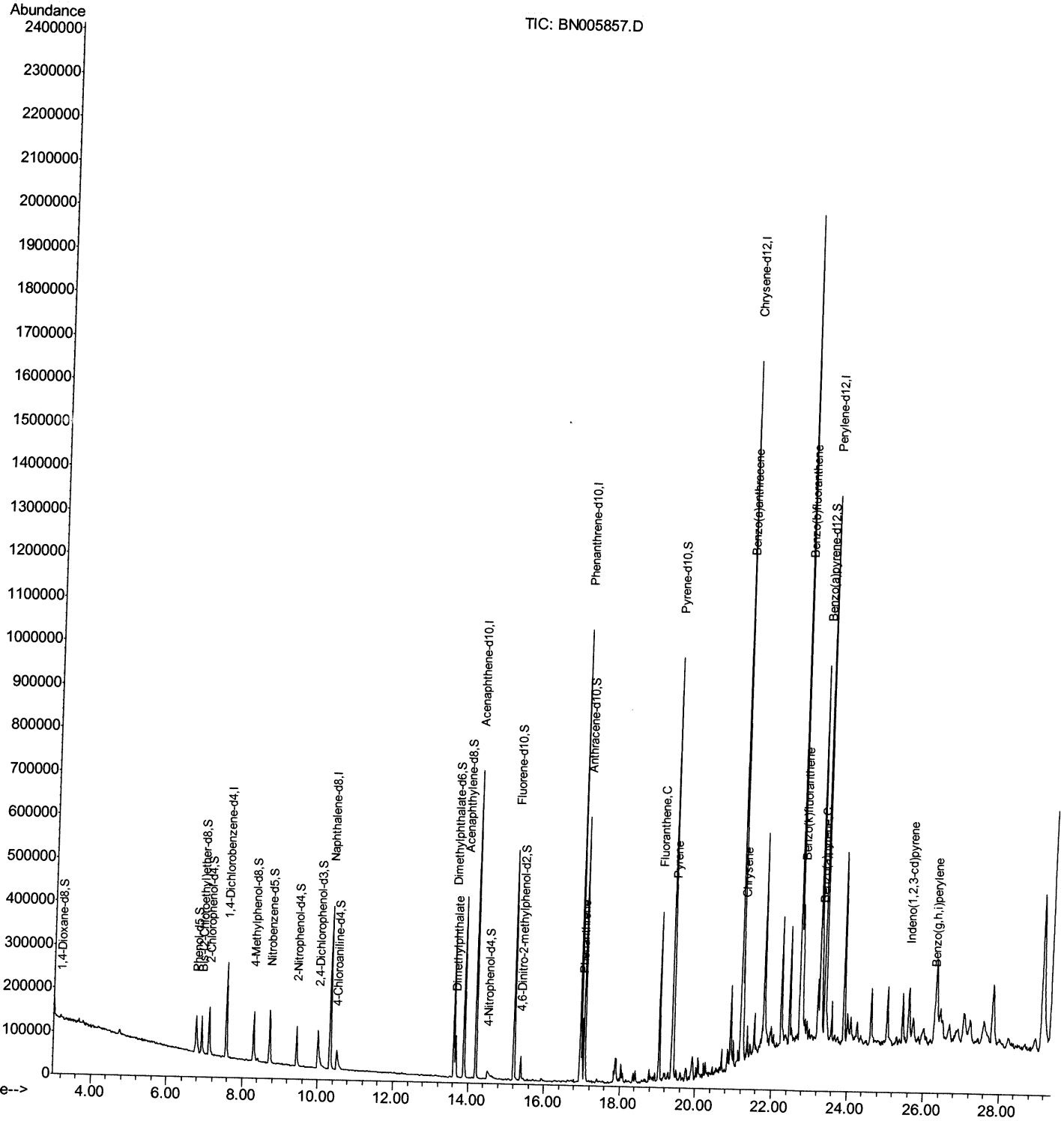
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005857.D
Acq On : 22 May 2019 18:51
Operator : JU/SJ
Sample : k2925-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 23 05:27:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:04:33 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A42A0

Manual Integrations APPROVED
mohammad
5/23/2019 3:30:45 PM



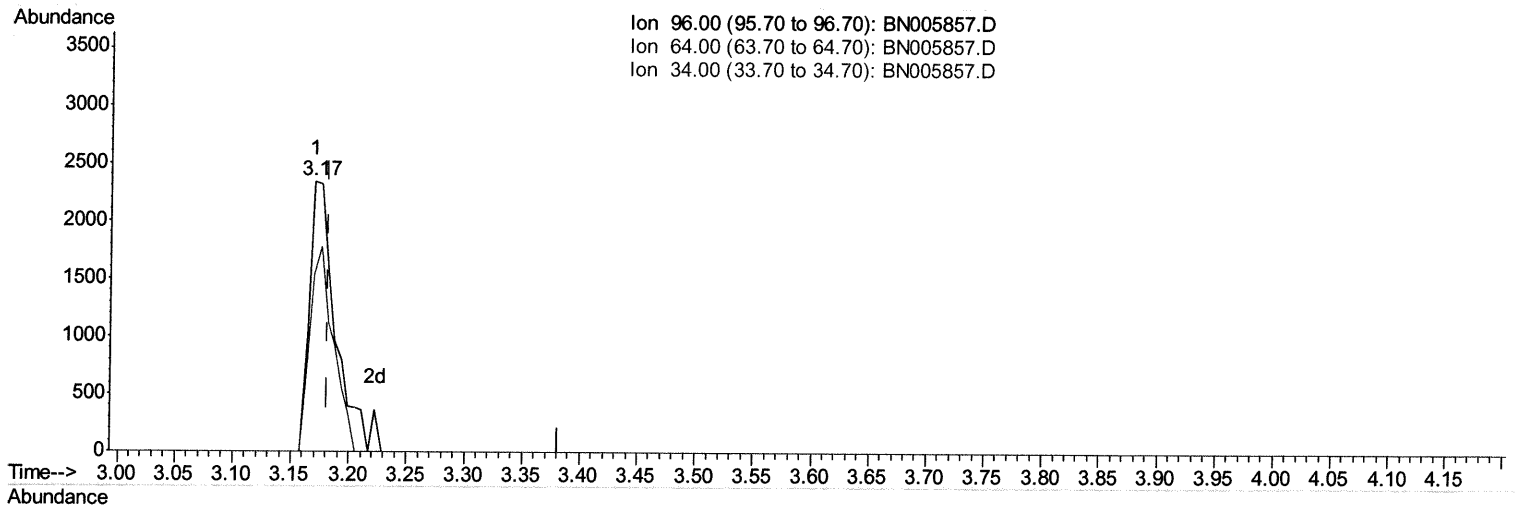
Quantitation Report (Qedit)

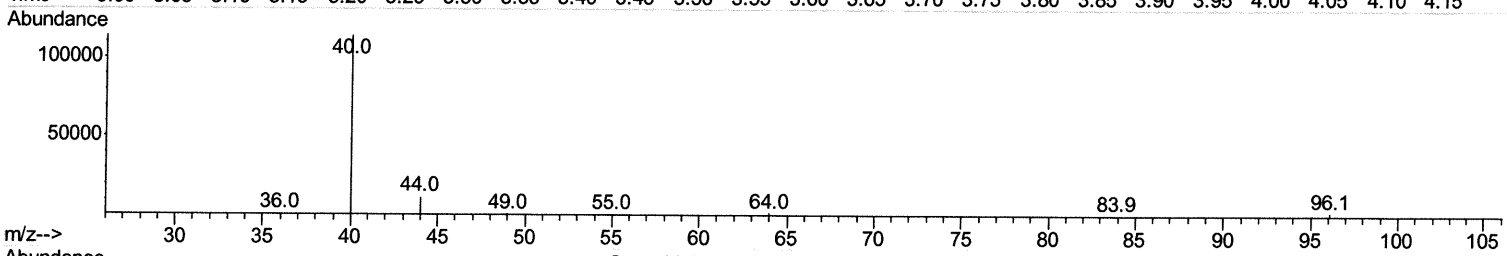
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005857.D
Acq On : 22 May 2019 18:51
Operator : JU/SJ
Sample : k2925-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

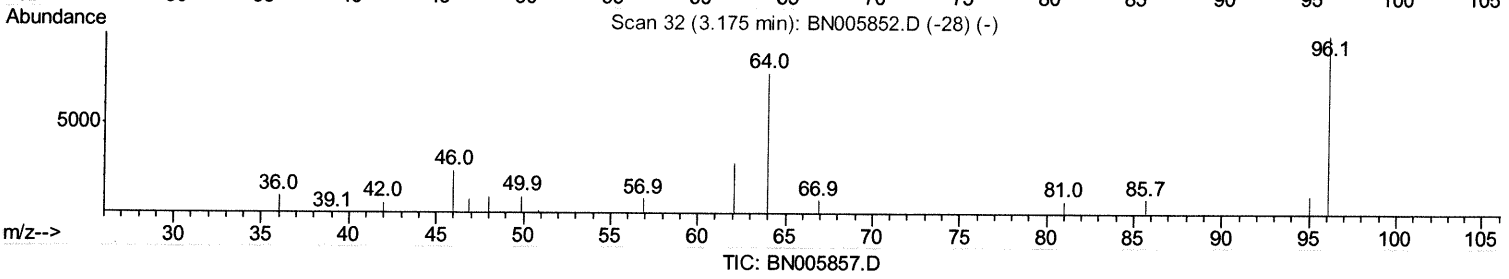
Quant Time: May 23 01:15:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:04:33 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A42A0

Manual Integrations APPROVED
mohammad
5/23/2019 3:30:45 PM







TIC: BN005857.D

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

3.170min (-0.012) 2.69ng/uL

response 3429

Ion	Exp%	Act%
96.00	100	100
64.00	77.40	65.25
34.00	0.00	0.00
0.00	0.00	0.00

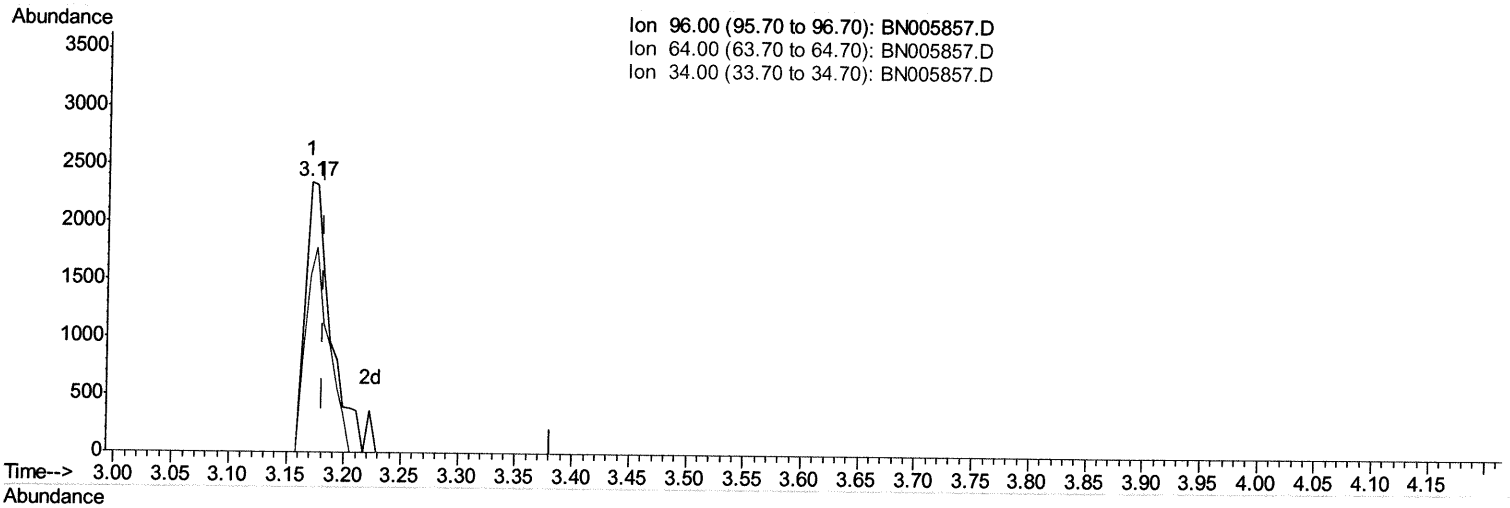
Quantitation Report (Qedit)

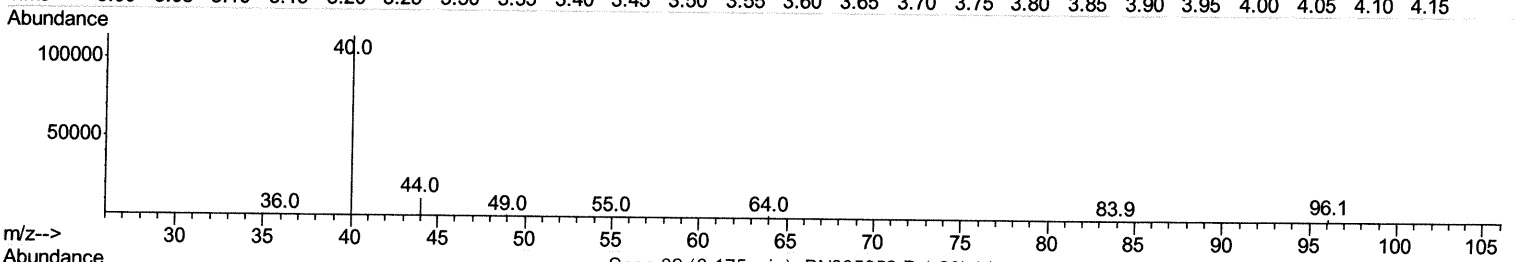
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005857.D
Acq On : 22 May 2019 18:51
Operator : JU/SJ
Sample : k2925-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

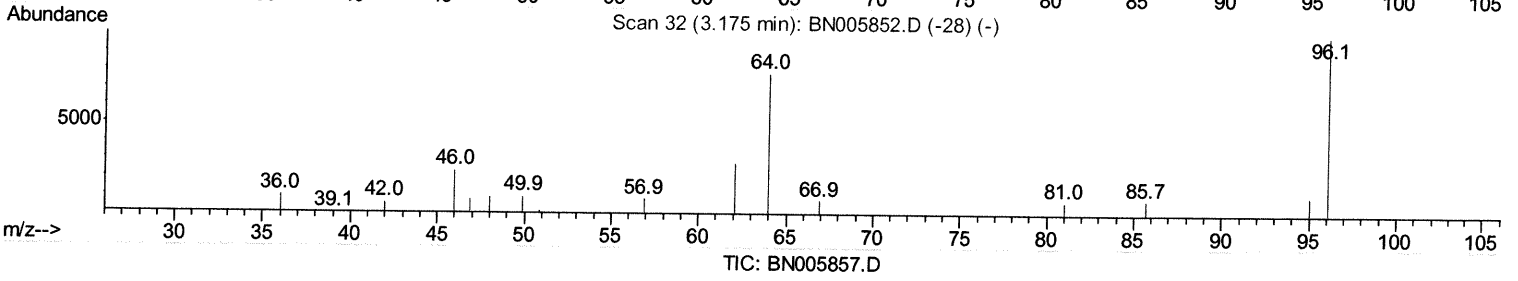
Quant Time: May 23 01:15:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:04:33 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A42A0

Manual Integrations APPROVED
mohammad
5/23/2019 3:30:45 PM







TIC: BN005857.D

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

3.170min (-0.012) 2.79ng/uL m JU 05/04/19

response 3555

Ion	Exp%	Act%
96.00	100	100
64.00	77.40	65.25
34.00	0.00	0.00
0.00	0.00	0.00

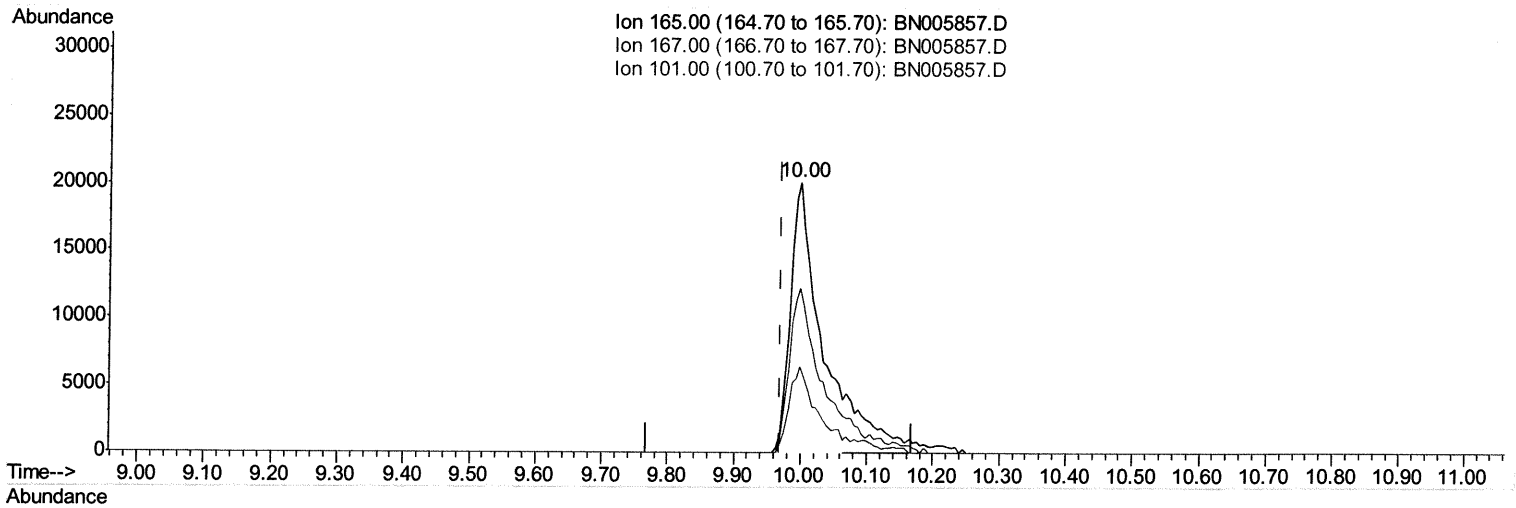
Quantitation Report (Qedit)

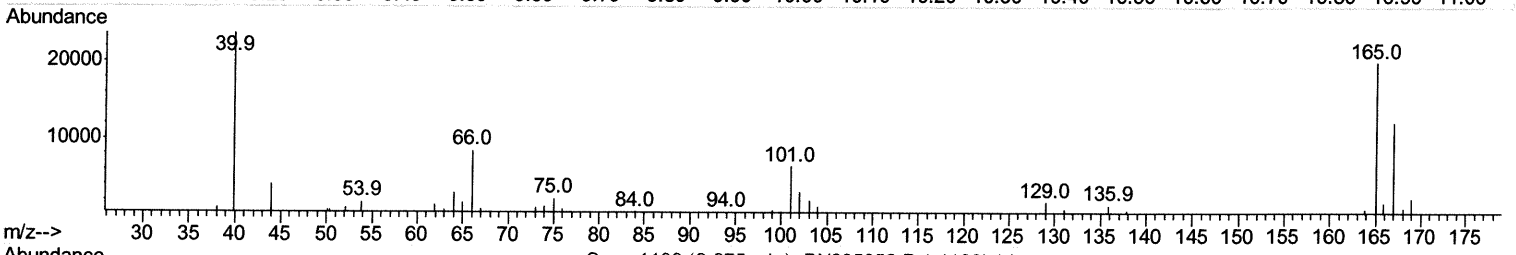
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005857.D
Acq On : 22 May 2019 18:51
Operator : JU/SJ
Sample : k2925-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

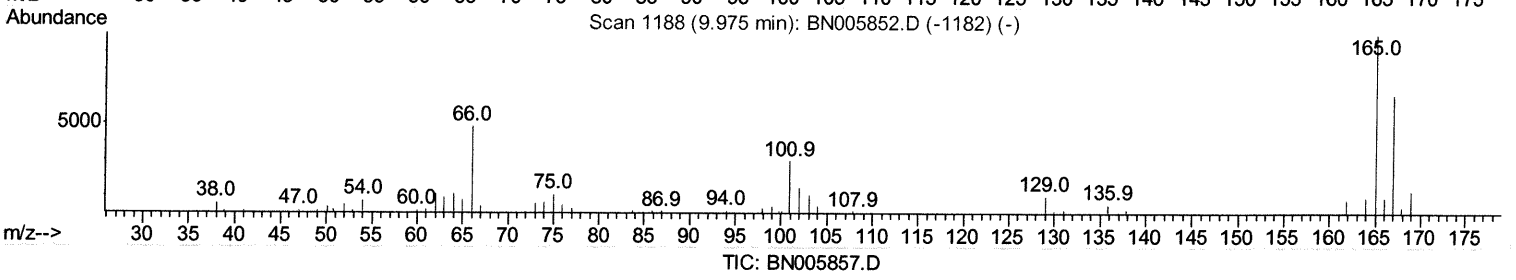
Quant Time: May 23 01:15:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:04:33 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A42A0

Manual Integrations APPROVED
mohammad
5/23/2019 3:30:45 PM







TIC: BN005857.D

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

9.999min (+0.029) 11.08ng/ul

response 57712

Ion	Exp%	Act%
165.00	100	100
167.00	64.10	60.92
101.00	37.50	31.81
0.00	0.00	0.00

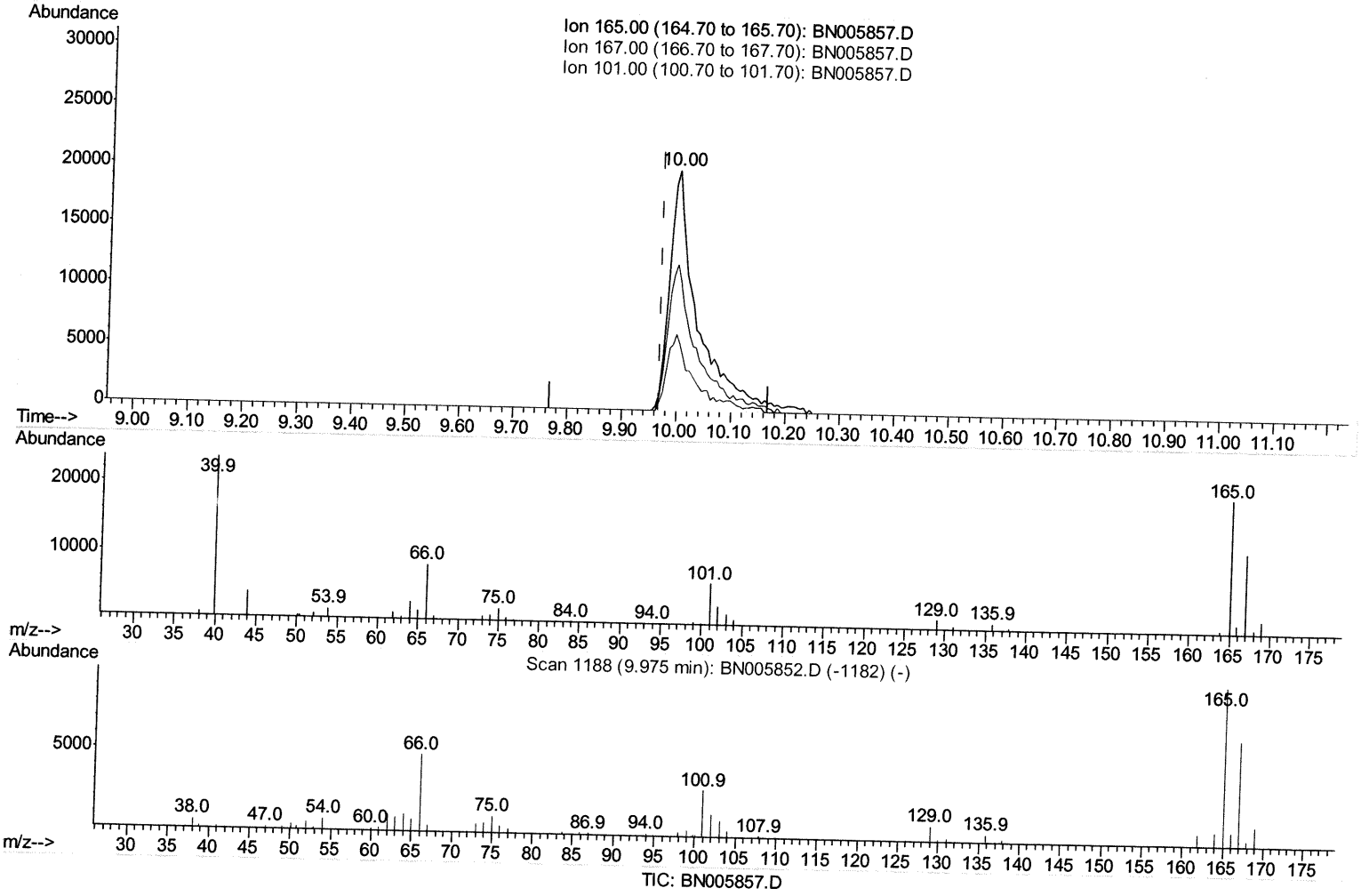
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005857.D
Acq On : 22 May 2019 18:51
Operator : JU/SJ
Sample : k2925-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 23 01:15:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:04:33 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A42A0

Manual Integrations APPROVED
mohammad
5/23/2019 3:30:45 PM



TIC: BN005857.D

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

9.999min (+0.029) 13.89ng/ul m JU 06/04/19

response 72352

Ion	Exp%	Act%
165.00	100	100
167.00	64.10	60.92
101.00	37.50	31.81
0.00	0.00	0.00

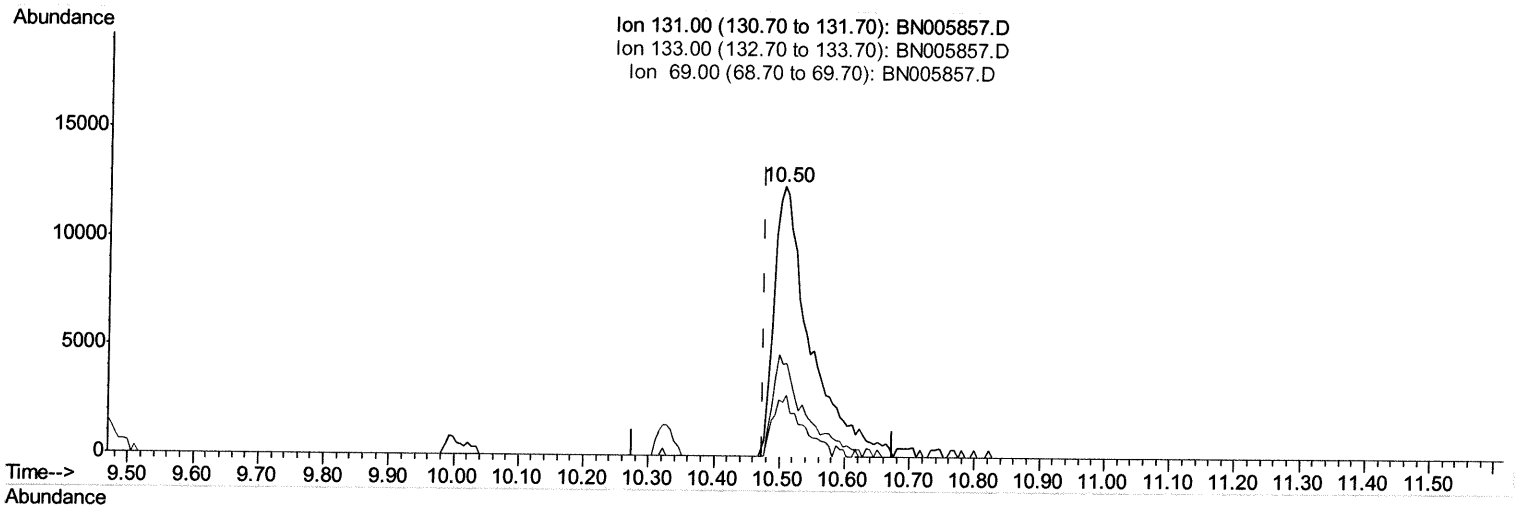
Quantitation Report (Qedit)

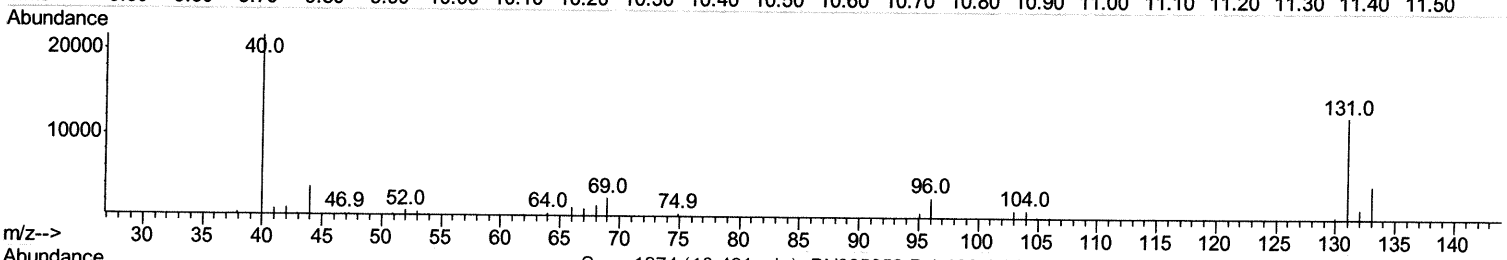
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005857.D
Acq On : 22 May 2019 18:51
Operator : JU/SJ
Sample : k2925-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 23 01:15:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:04:33 2019
Response via : Initial Calibration

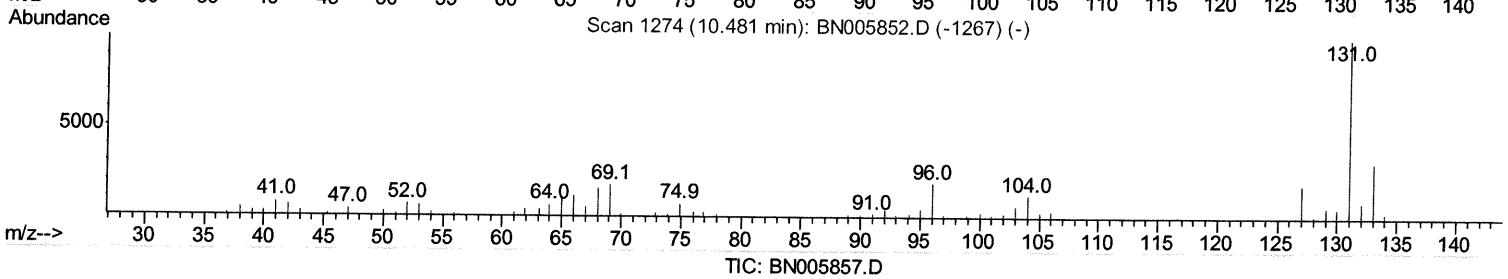
Instrument :
BNA_N
ClientSampleId :
A42A0

Manual Integrations APPROVED
mohammad
5/23/2019 3:30:45 PM





Scan 1274 (10.481 min): BN005852.D (-1267) (-)



TIC: BN005857.D

(29) 4-Chloroaniline-d4 (S)

10.504min (+0.029) 7.92ng/ul

response 45817

Ion	Exp%	Act%
131.00	100	100
133.00	33.60	33.88
69.00	18.90	19.96
0.00	0.00	0.00

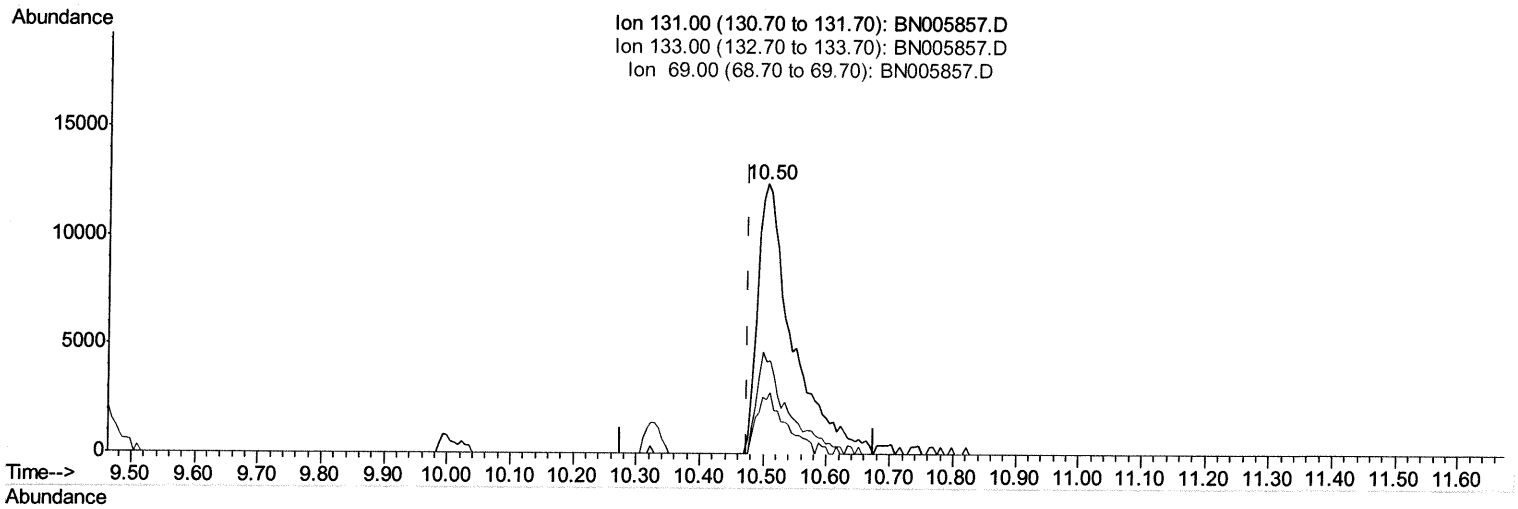
Quantitation Report (Qedit)

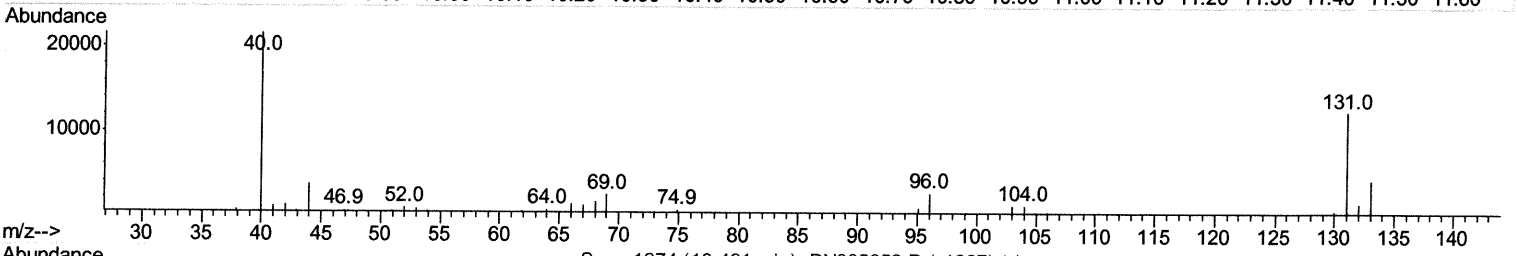
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005857.D
Acq On : 22 May 2019 18:51
Operator : JU/SJ
Sample : k2925-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 23 01:15:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:04:33 2019
Response via : Initial Calibration

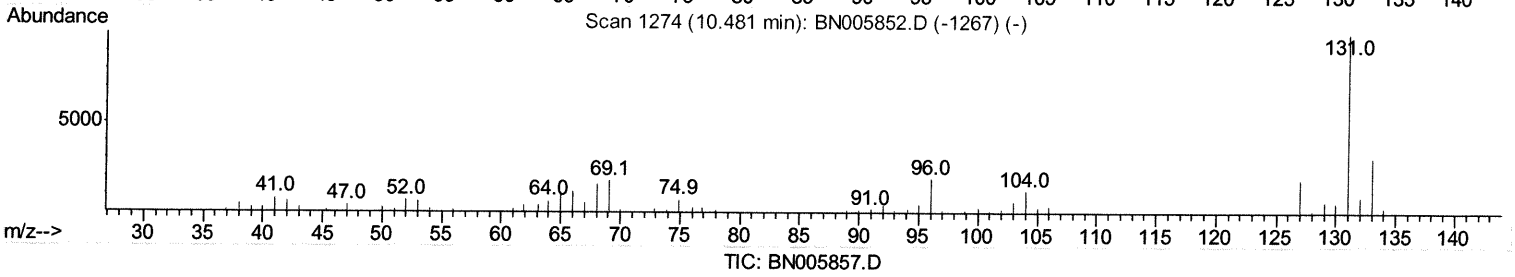
Instrument :
BNA_N
ClientSampleId :
A42A0

Manual Integrations APPROVED
mohammad
5/23/2019 3:30:45 PM





Scan 1274 (10.481 min): BN005852.D (-1267) (-)



TIC: BN005857.D

(29) 4-Chloroaniline-d4 (S)

10.504min (+0.029) 8.32ng/ul m JU 06/04/19

response 48116

Ion	Exp%	Act%
131.00	100	100
133.00	33.60	33.88
69.00	18.90	19.96
0.00	0.00	0.00

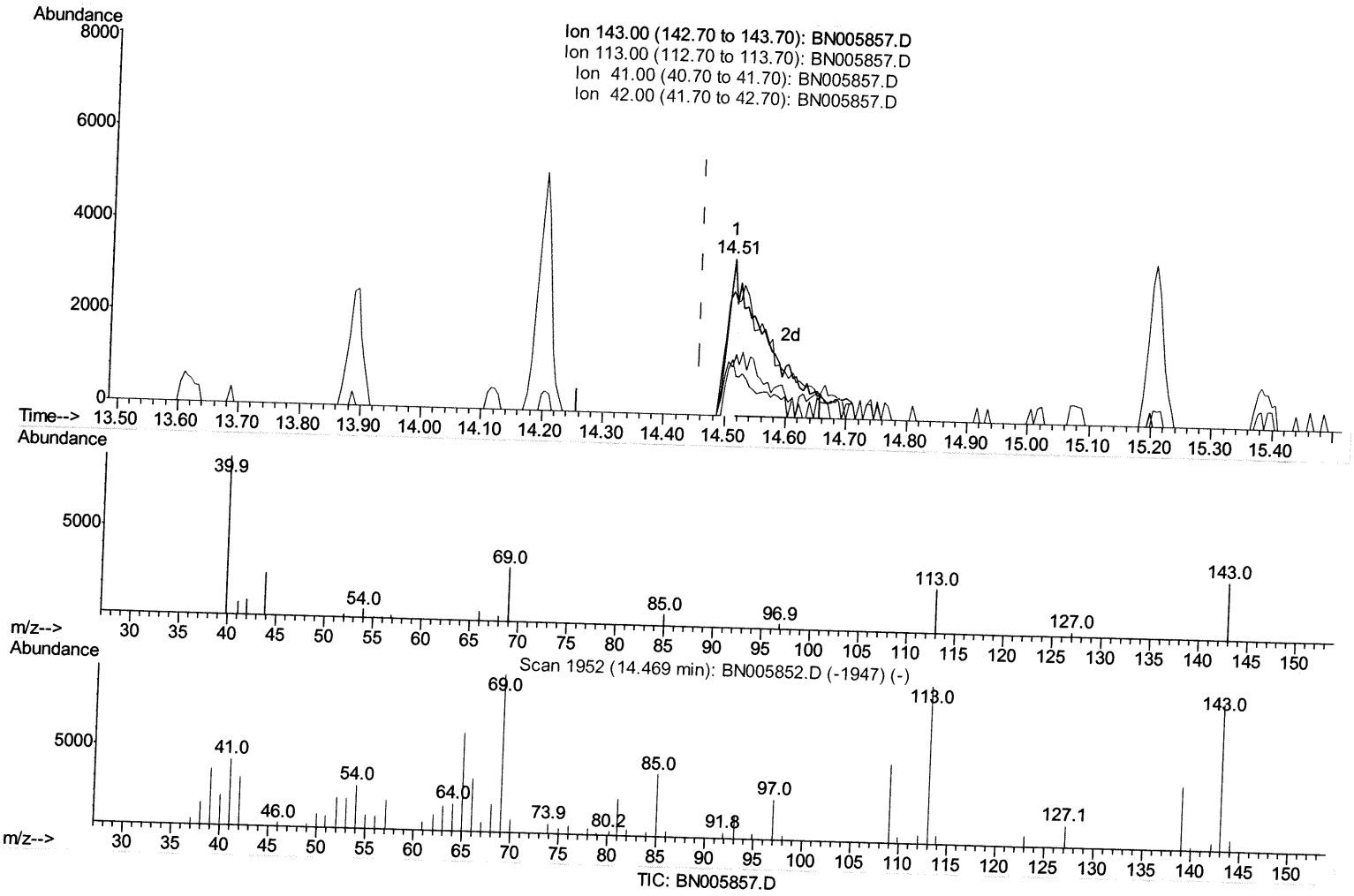
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005857.D
Acq On : 22 May 2019 18:51
Operator : JU/SJ
Sample : k2925-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 23 01:15:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:04:33 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A42A0

Manual Integrations APPROVED
mohammad
5/23/2019 3:30:45 PM



TIC: BN005857.D

(51) 4-Nitrophenol-d4 (S)

14.510min (+0.053) 1.39ng/ul

response 3560

Ion	Exp%	Act%
143.00	100	100
113.00	82.50	78.94
41.00	47.90	31.31#
42.00	31.70	35.51

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005857.D
Acq On : 22 May 2019 18:51
Operator : JU/SJ
Sample : k2925-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 23 01:15:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:04:33 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A42A0

Manual Integrations APPROVED
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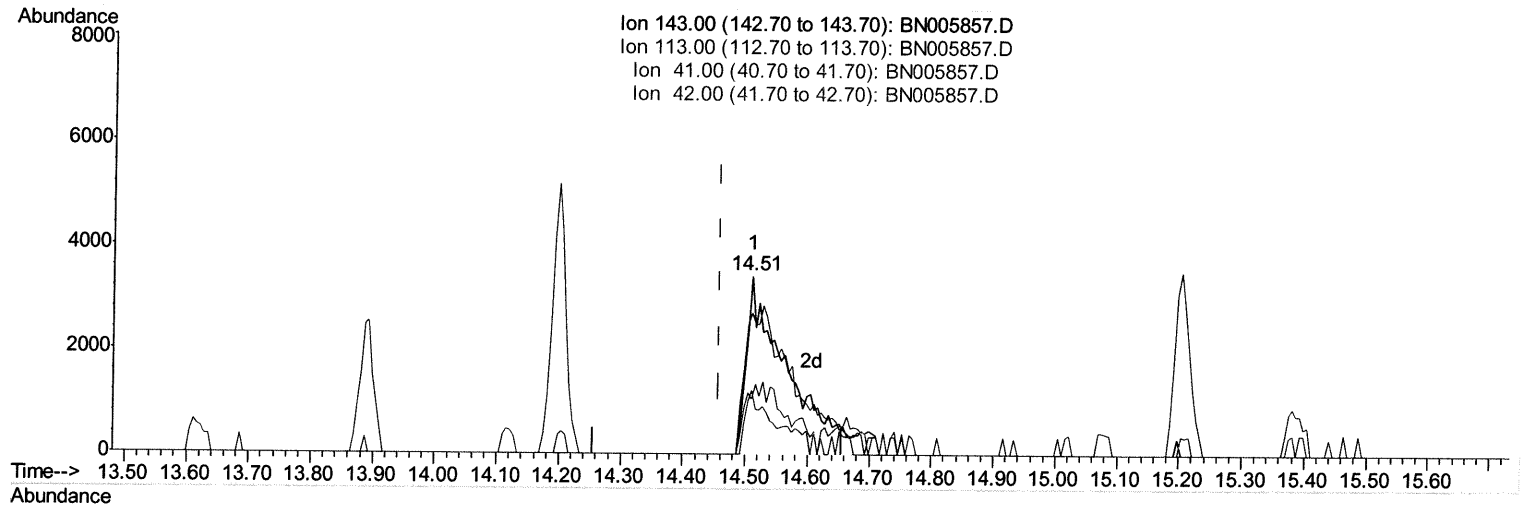
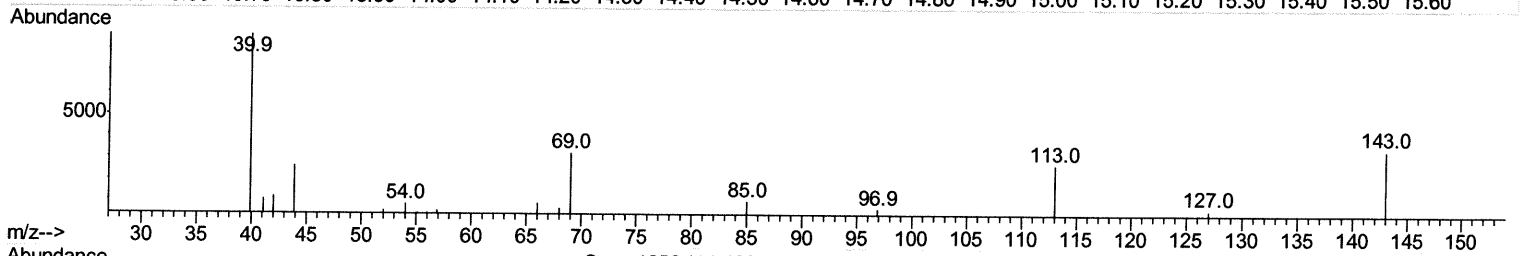
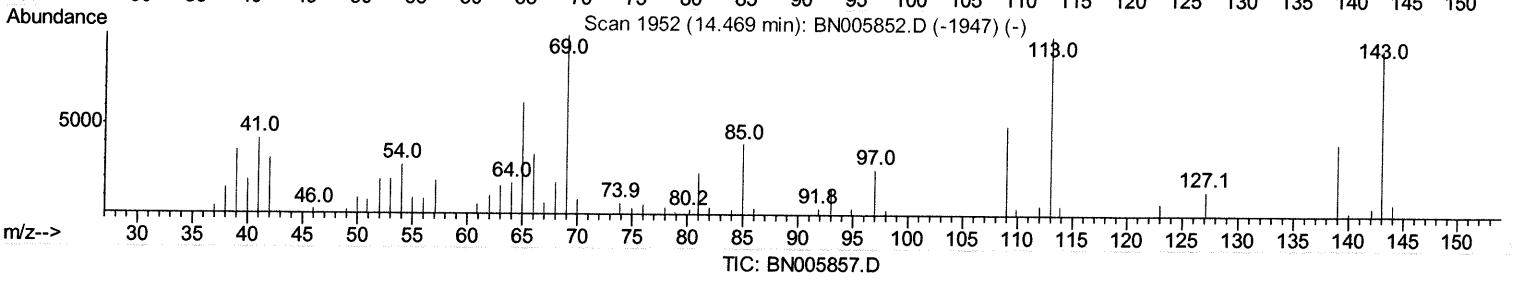
5/23/2019 3:30:45 PM







TIC: BN005857.D

(51) 4-Nitrophenol-d4 (S)

14.510min (+0.053) 6.32ng/ul m JU 04/06/19

response 16146

Ion	Exp%	Act%
143.00	100	100
113.00	82.50	78.94
41.00	47.90	31.31#
42.00	31.70	35.51

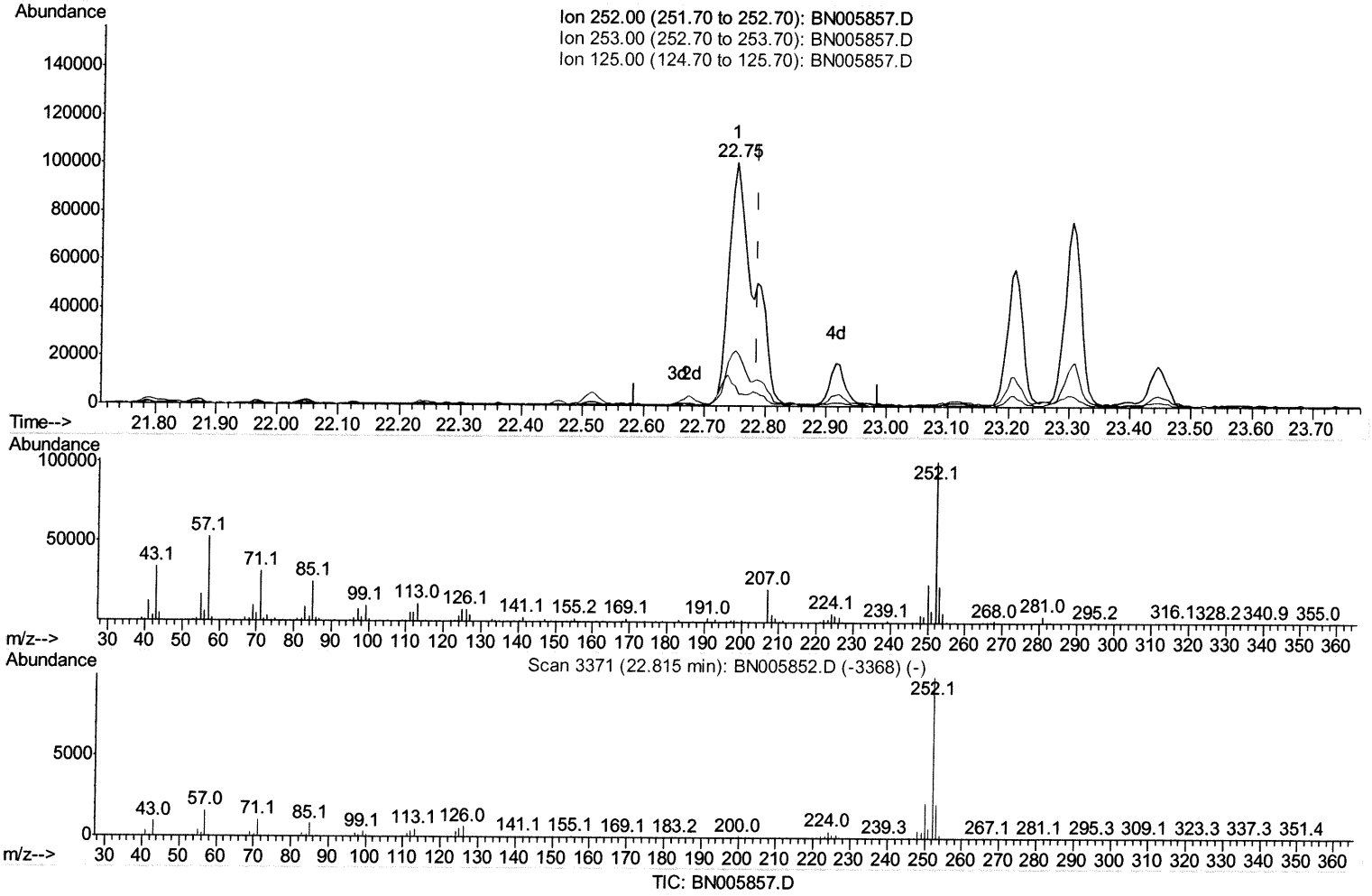
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005857.D
Acq On : 22 May 2019 18:51
Operator : JU/SJ
Sample : k2925-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 23 05:25:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:04:33 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A42A0

Manual Integrations APPROVED
mohammad
5/23/2019 3:30:45 PM



TIC: BN005857.D

(88) Benzo(k)fluoranthene

22.751min (-0.035) 4.43ng/ul

response 217697

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	22.53
125.00	9.40	7.99
0.00	0.00	0.00

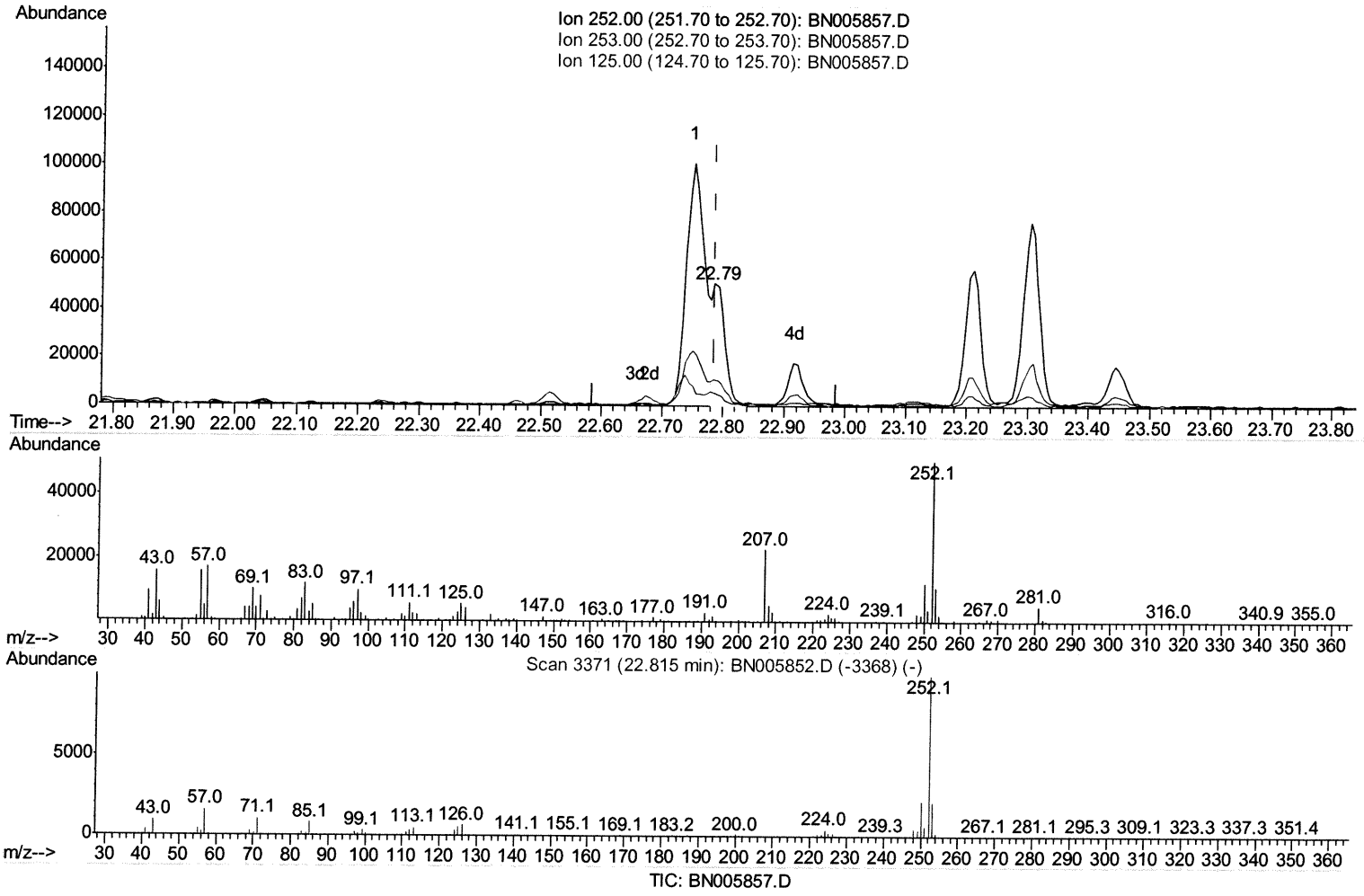
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005857.D
Acq On : 22 May 2019 18:51
Operator : JU/SJ
Sample : k2925-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 23 05:25:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:04:33 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A42A0

Manual Integrations APPROVED
mohammad
5/23/2019 3:30:45 PM



(88) Benzo(k)fluoranthene

22.786min (-0.000) 1.35ng/ul m JU 06/04/19

response 66575

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	21.73
125.00	9.40	11.26
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052219\
Data File : BN005857.D
Acq On : 22 May 2019 18:51
Operator : JU/SJ
Sample : k2925-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 23 05:27:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Instrument : BNA_N
ClientSampleId : A42A0

Manual Integrations APPROVED
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5/23/2019 3:30:45 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	71396	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	325555	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.20	164	235841	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.96	188	627461	20.00	ng/ul	0.00
77) Chrysene-d12	21.20	240	767195	20.00	ng/ul	0.00
85) Perylene-d12	23.40	264	923830	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.17	96	3555m>	2.79	ng/uL	-0.01
5) Phenol-d5	6.77	99	70200	12.72	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.91	67	43103	14.97	ng/ul	0.00
9) 2-Chlorophenol-d4	7.10	132	62363	14.06	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	55802	11.83	ng/ul	0.01
19) Nitrobenzene-d5	8.72	128	31903	13.50	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	33144	12.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	72352m>	13.89	ng/ul	0.03
29) 4-Chloroaniline-d4	10.50	131	48116m>	8.32	ng/ul	0.03
43) Dimethylphthalate-d6	13.62	166	267614	14.75	ng/ul	0.00
46) Acenaphthylene-d8	13.89	160	313978	14.24	ng/ul	0.00
51) 4-Nitrophenol-d4	14.51	143	16146m>	6.32	ng/ul	0.05
57) Fluorene-d10	15.20	176	239150	15.35	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	17881	4.74	ng/ul	0.02
70) Anthracene-d10	17.06	188	381383	14.07	ng/ul	0.00
78) Pyrene-d10	19.37	212	495472	13.11	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.26	264	569035	13.73	ng/ul	0.00
Target Compounds						Qvalue
44) Dimethylphthalate	13.67	163	68987	3.856	ng/ul	99
69) Phenanthrene	17.00	178	93577	3.009	ng/ul	98
76) Fluoranthene	19.04	202	242082	6.295	ng/ul#	89
79) Pyrene	19.40	202	232296	4.931	ng/ul#	86
82) Benzo(a)anthracene	21.18	228	129164	2.672	ng/ul	98
84) Chrysene	21.23	228	151781	3.331	ng/ul	97
87) Benzo(b)fluoranthene	22.75	252	217697	4.283	ng/ul#	97
88) Benzo(k)fluoranthene	22.79	252	66575m>	1.354	ng/ul	
90) Benzo(a)pyrene	23.30	252	139849	2.842	ng/ul#	95
91) Indeno(1,2,3-cd)pyrene	25.60	276	97747	1.625	ng/ul#	89
93) Benzo(g,h,i)perylene	26.26	276	90072	1.791	ng/ul#	89

JU 06/04/19

JU 06/04/19

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