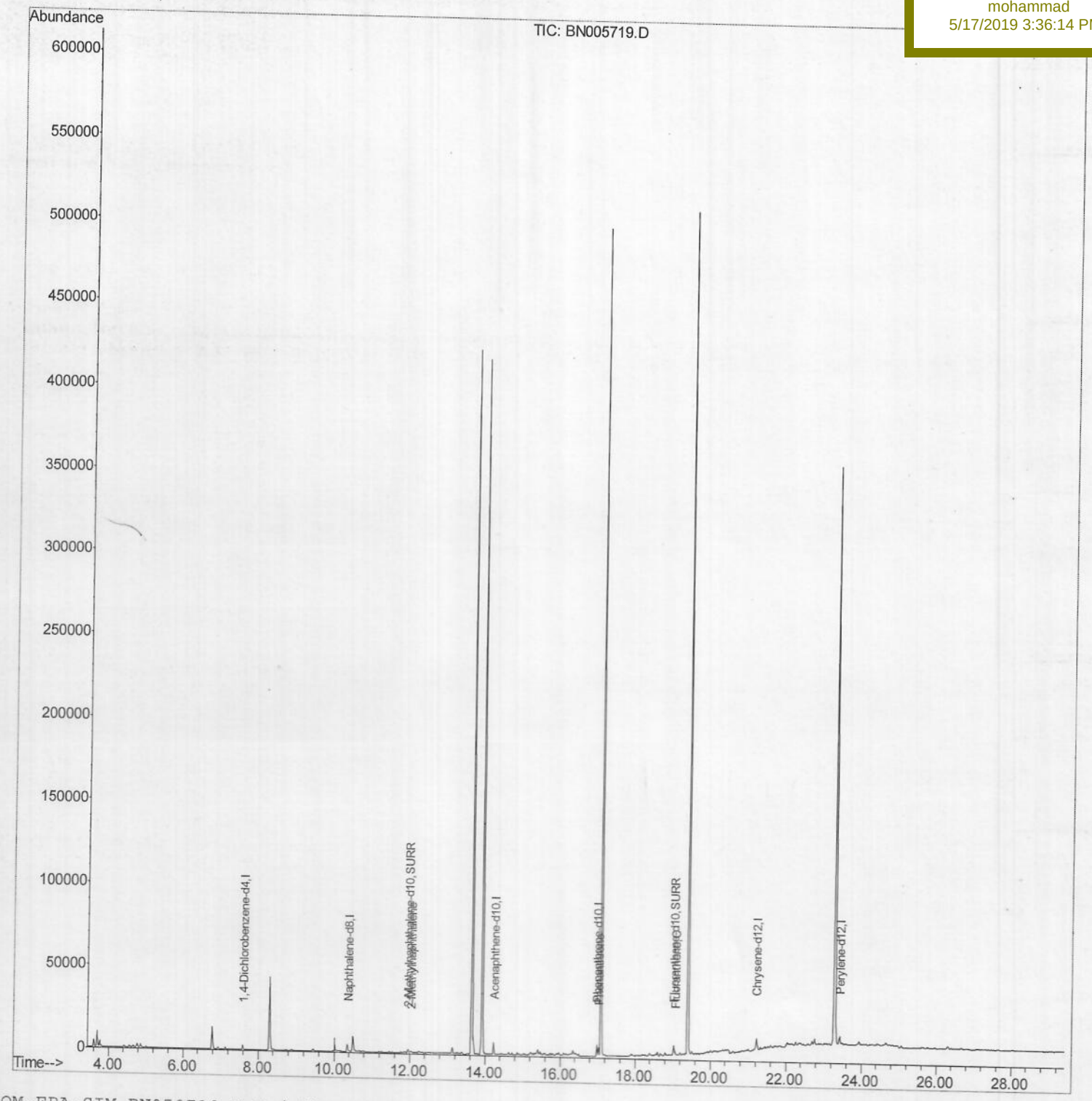
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051619\
Data File : BN005719.D
Acq On : 17 May 2019 00:55
Operator : JU/SJ
Sample : K2690-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 17 05:58:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 07:15:06 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A5166

Manual Integrations APPROVED
mohammad
5/17/2019 3:36:14 PM



Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051619\
Data File : BN005719.D
Acq On : 17 May 2019 00:55
Operator : JU/SJ
Sample : K2690-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 17 04:40:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 07:15:06 2019
Response via : Initial Calibration

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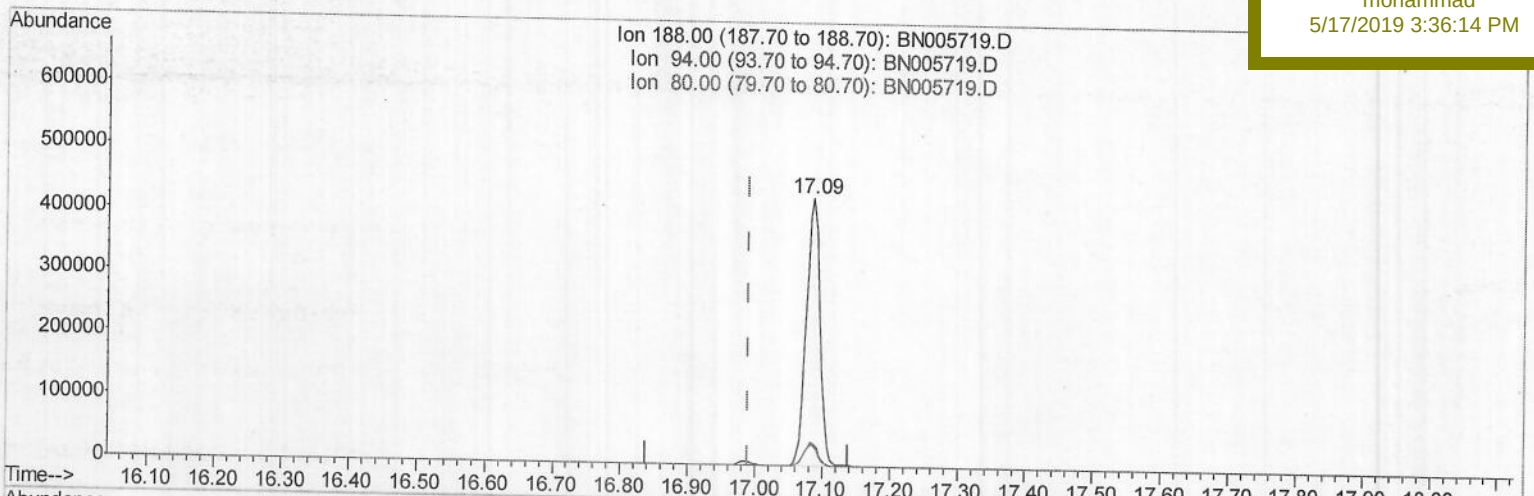
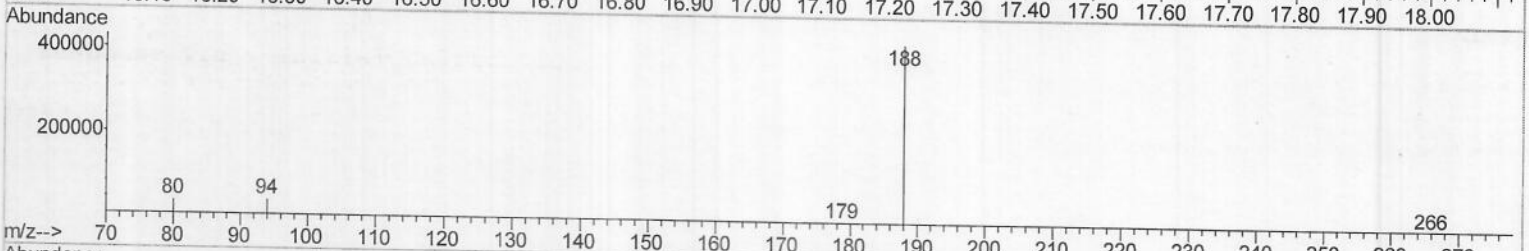
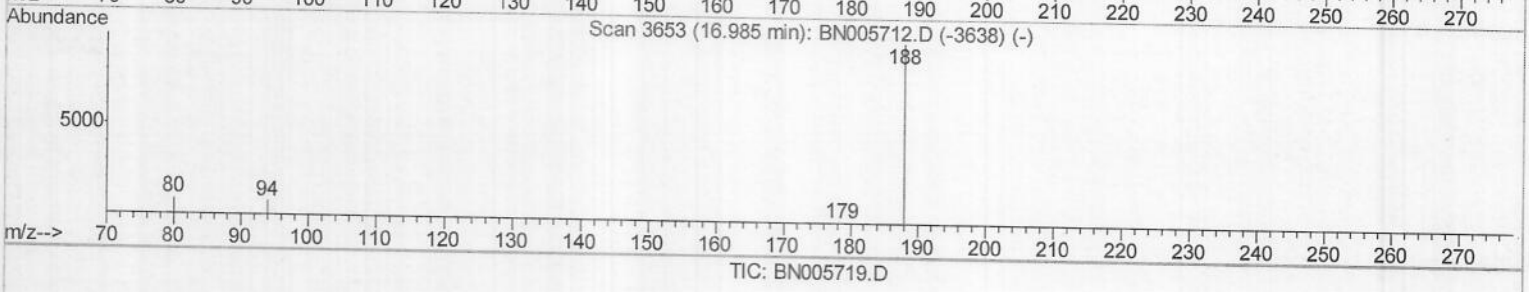
BNA_N
ClientSampleId :
A5166

Manual Integrations APPROVED
mohammad
5/17/2019 3:36:14 PM







TIC: BN005719.D

(10) Phenanthrene-d10 (I)

17.086min (+0.097) 0.40ng/ul

response 599985

Ion	Exp%	Act%
188.00	100	100
94.00	9.40	8.39
80.00	9.80	7.61#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051619\
Data File : BN005719.D
Acq On : 17 May 2019 00:55
Operator : JU/SJ
Sample : K2690-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 17 04:40:24 2019
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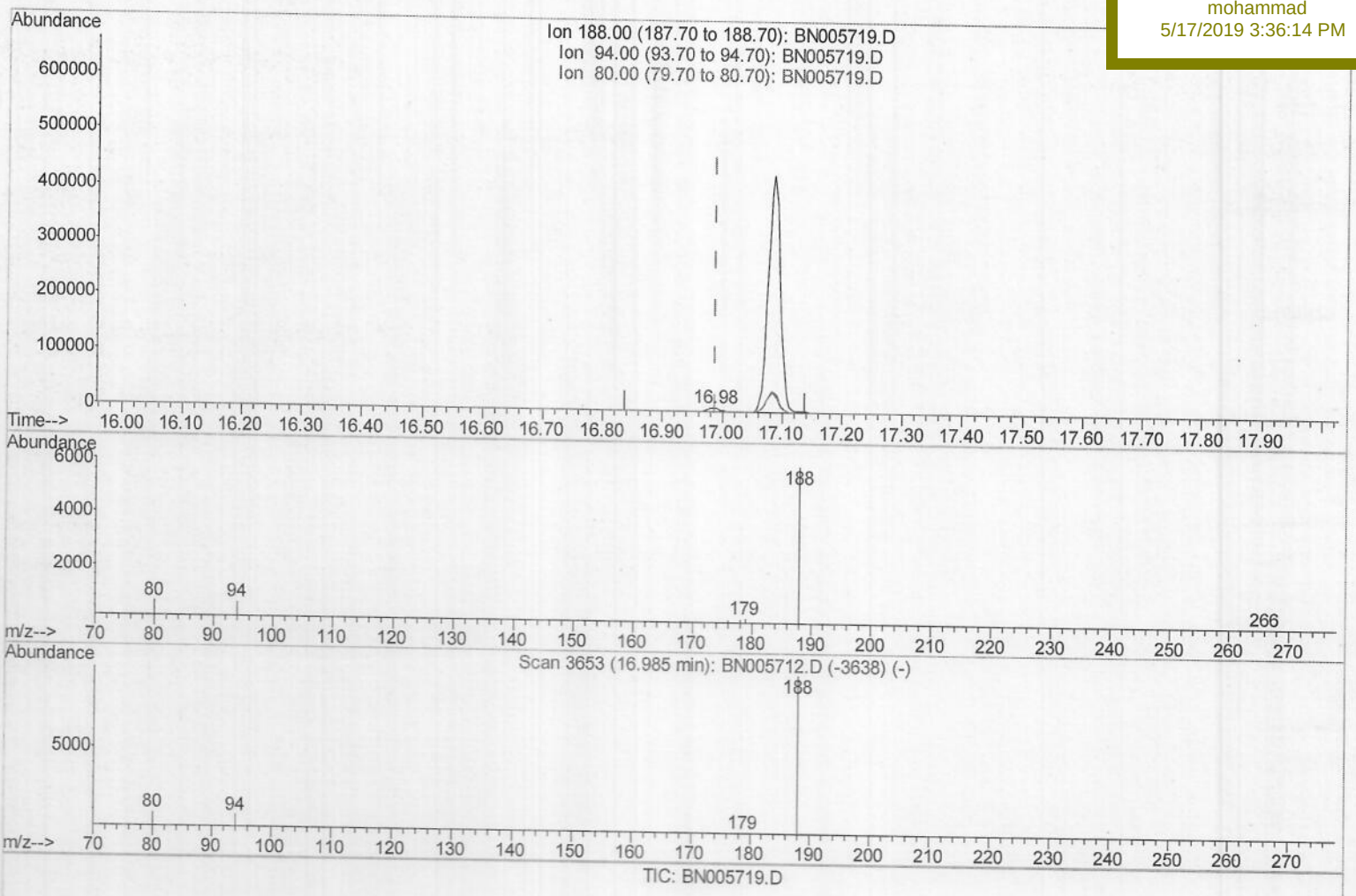
Instrument :
BNA_N
ClientSampleId :
A5166

Manual Integrations APPROVED
mohammad
5/17/2019 3:36:14 PM



TIC: BN005719.D

(10) Phenanthrene-d10 (I)

16.985min (-0.004) 0.40ng/ul m) JU 05/22/19

response 8815

Ion	Exp%	Act%
188.00	100	100
94.00	9.40	9.93
80.00	9.80	10.46
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051619\
Data File : BN005719.D
Acq On : 17 May 2019 00:55
Operator : JU/SJ
Sample : K2690-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 17 04:40:24 2019
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BNA_N
ClientSampleId :
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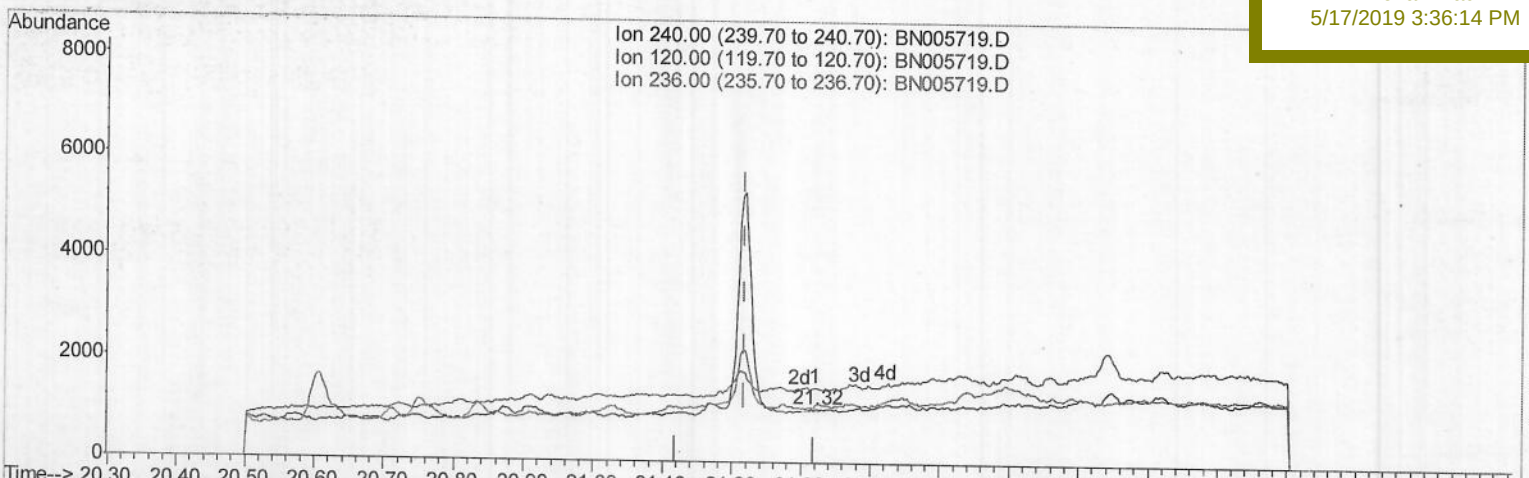
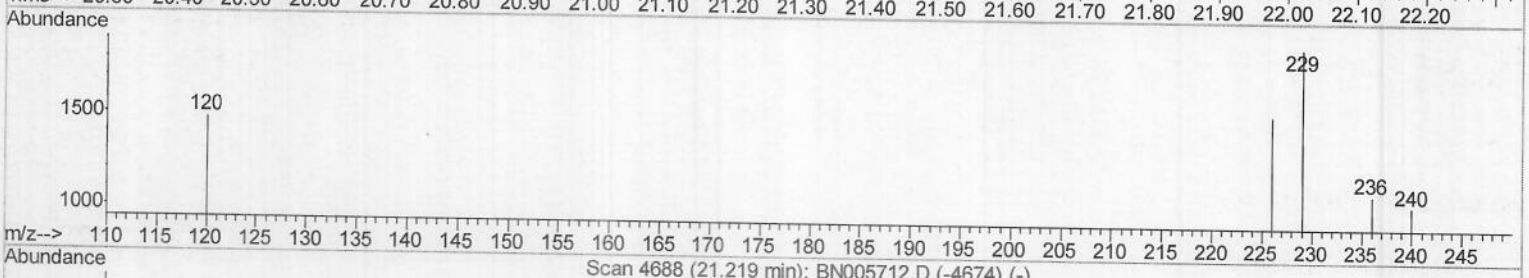
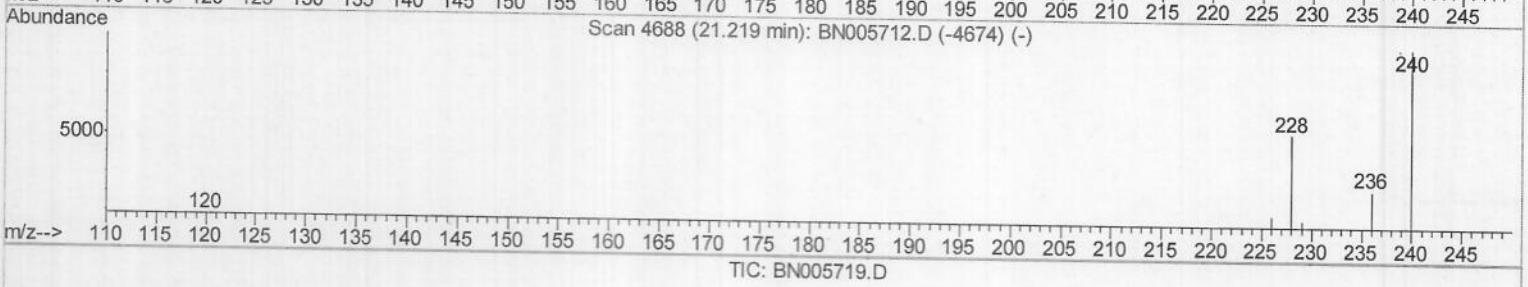
Manual Integrations APPROVED
mohammad
5/17/2019 3:36:14 PM







(16) Chrysene-d12 (I)

21.321min (+0.102) 0.40ng/ul

response 55

Ion	Exp%	Act%
240.00	100	100
120.00	11.90	139.34#
236.00	28.00	105.75#
0.00	0.00	0.00

Quantitation Report (Qedit)

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Acq On : 17 May 2019 00:55
Operator : JU/SJ
Sample : K2690-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 17 04:40:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
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QLast Update : Tue May 14 07:15:06 2019
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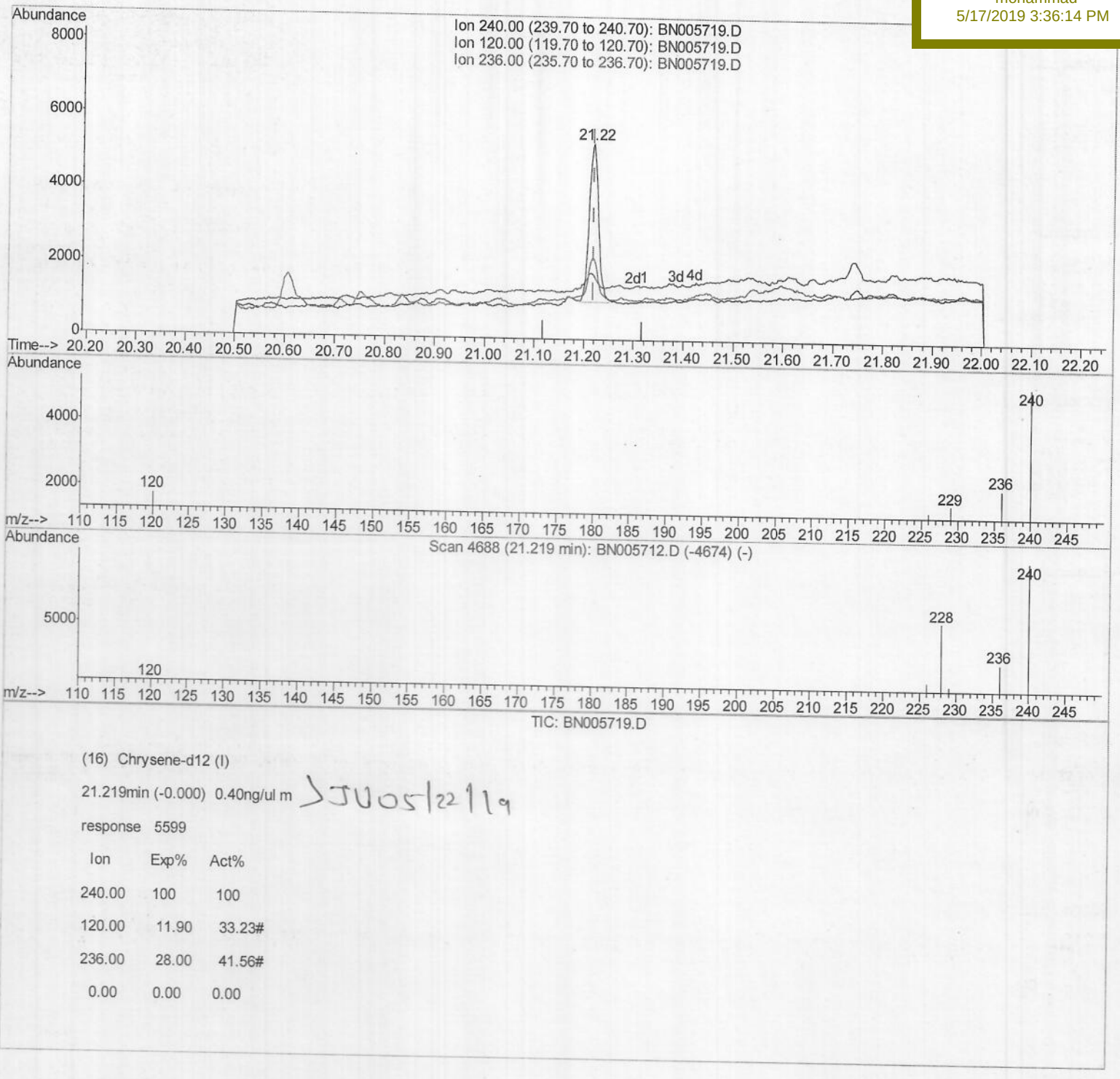
Instrument :
BNA_N
ClientSampleId :
A5166

Manual Integrations APPROVED
mohammad
5/17/2019 3:36:14 PM



(16) Chrysene-d12 (I)

21.219min (-0.000) 0.40ng/ul m SJU05/22/19

response 5599

Ion	Exp%	Act%
240.00	100	100
120.00	11.90	33.23#
236.00	28.00	41.56#
0.00	0.00	0.00

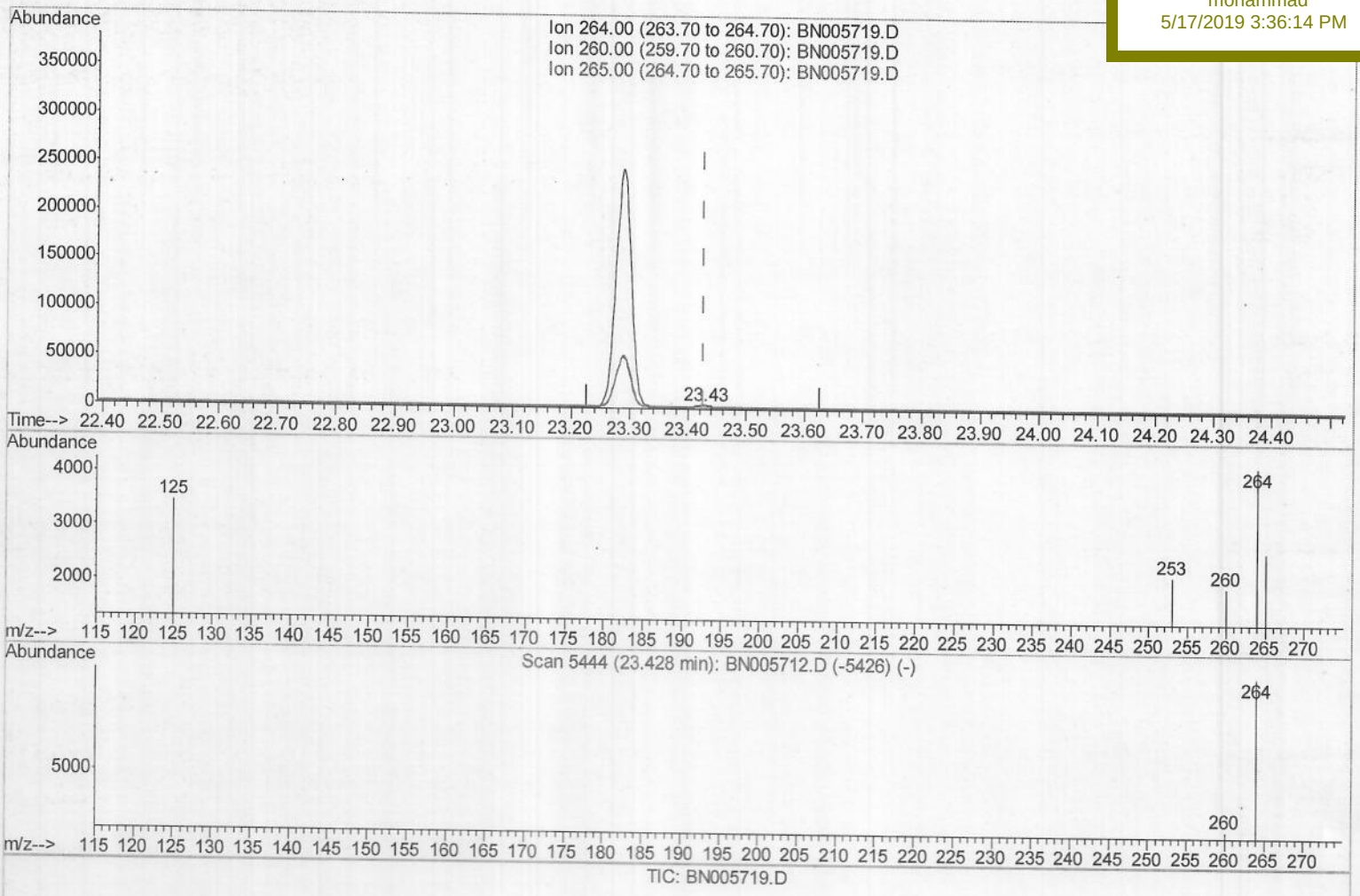
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051619\
Data File : BN005719.D
Acq On : 17 May 2019 00:55
Operator : JU/SJ
Sample : K2690-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 17 04:40:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 07:15:06 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A5166

Manual Integrations APPROVED
mohammad
5/17/2019 3:36:14 PM



TIC: BN005719.D

(20) Perylene-d12 (I)

23.428min (-0.000) 0.40ng/ul

response 6251

Ion	Exp%	Act%
264.00	100	100
260.00	25.30	47.67#
265.00	31.70	62.95#
0.00	0.00	0.00

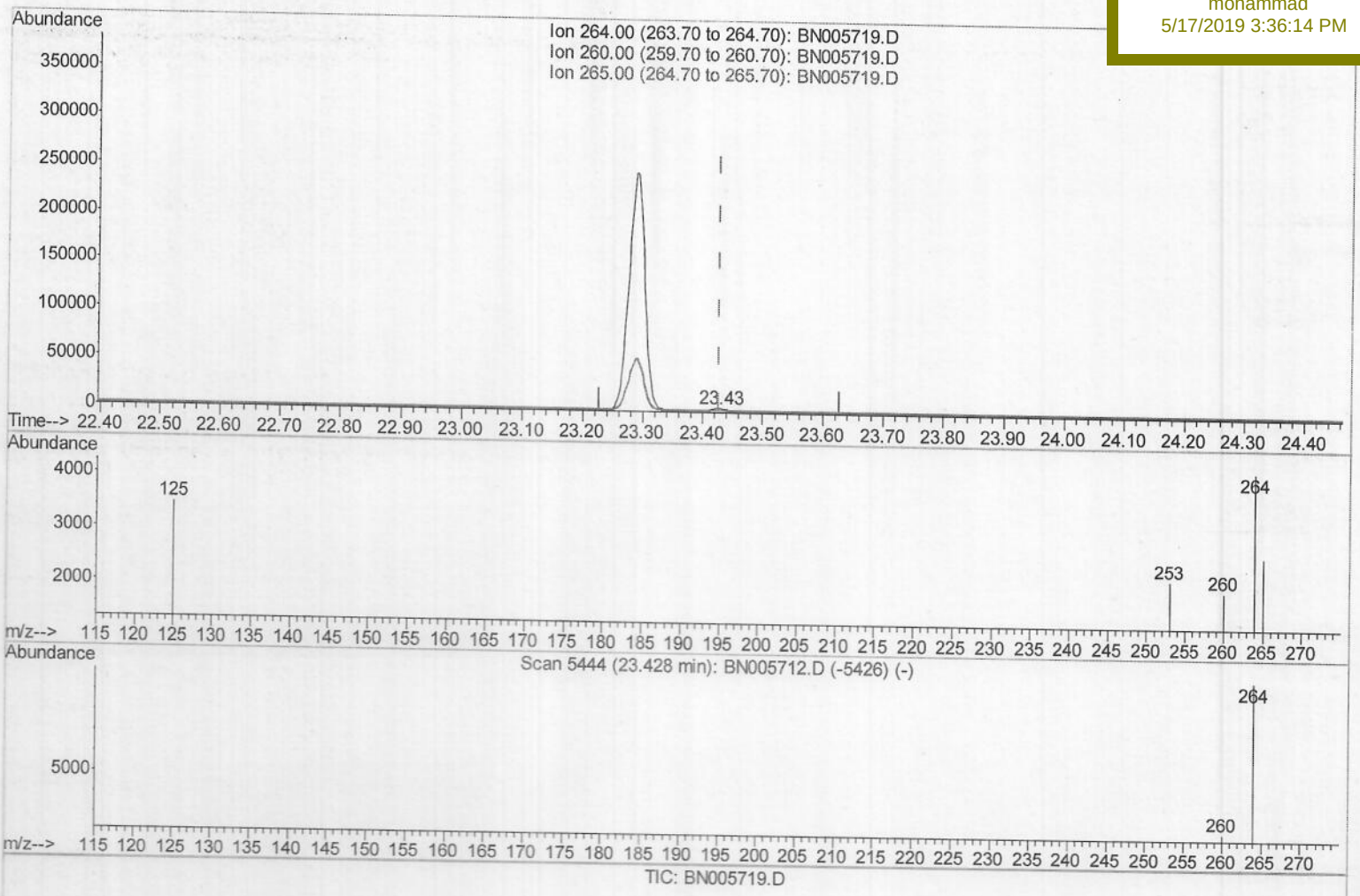
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051619\
Data File : BN005719.D
Acq On : 17 May 2019 00:55
Operator : JU/SJ
Sample : K2690-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 17 04:40:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 07:15:06 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A5166

Manual Integrations APPROVED
mohammad
5/17/2019 3:36:14 PM



(20) Perylene-d12 (I)

23.428min (-0.000) 0.40ng/ul m)JU 05/22/19

response 5144

Ion	Exp%	Act%
264.00	100	100
260.00	25.30	47.67#
265.00	31.70	62.95#
0.00	0.00	0.00

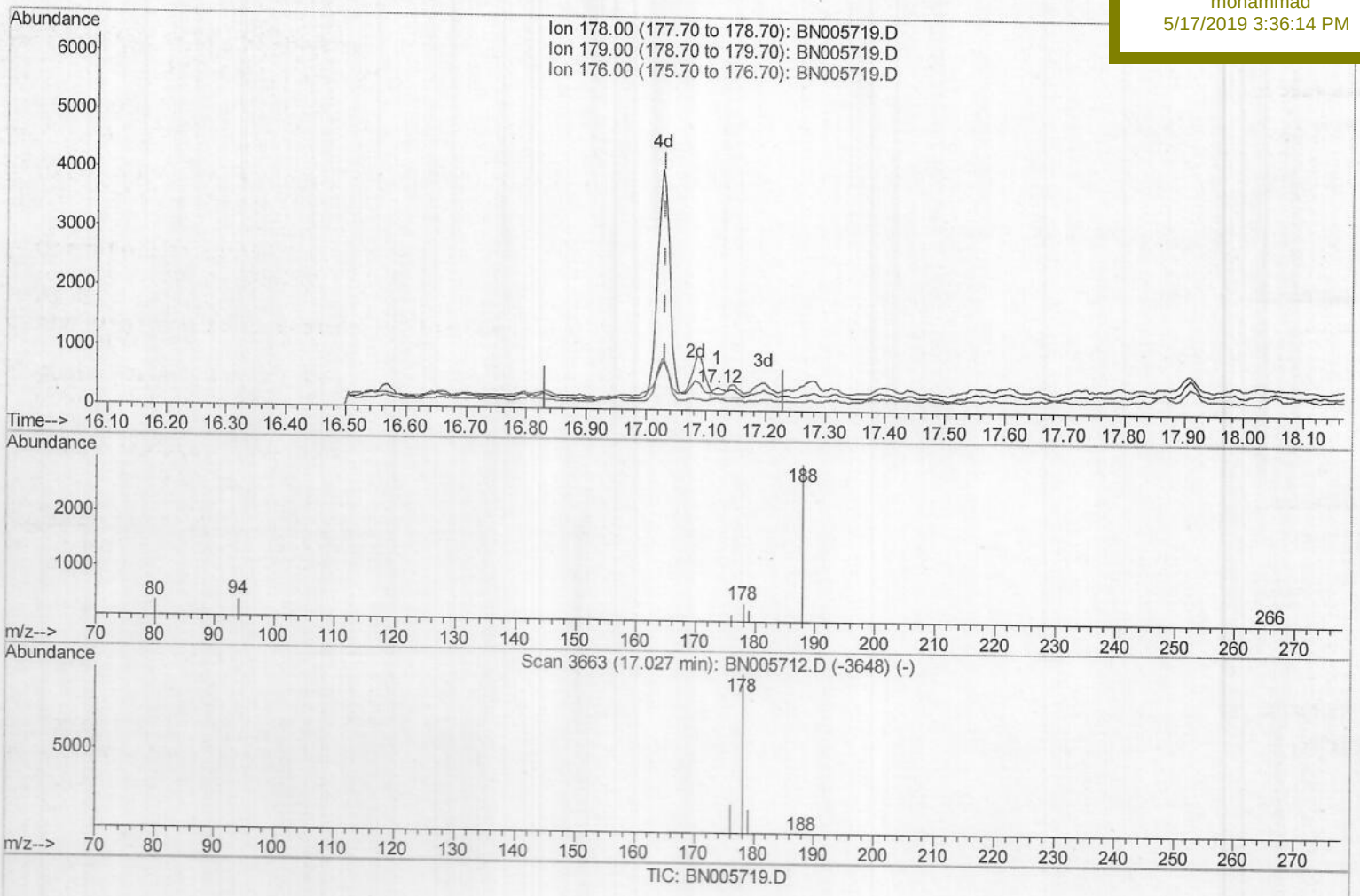
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051619\
Data File : BN005719.D
Acq On : 17 May 2019 00:55
Operator : JU/SJ
Sample : K2690-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 17 05:53:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 07:15:06 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A5166

Manual Integrations APPROVED
mohammad
5/17/2019 3:36:14 PM



TIC: BN005719.D

(12) Phenanthrene

17.120min (+0.089) 0.02ng/ul

response 379

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	68.97#
176.00	19.10	50.26#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051619\
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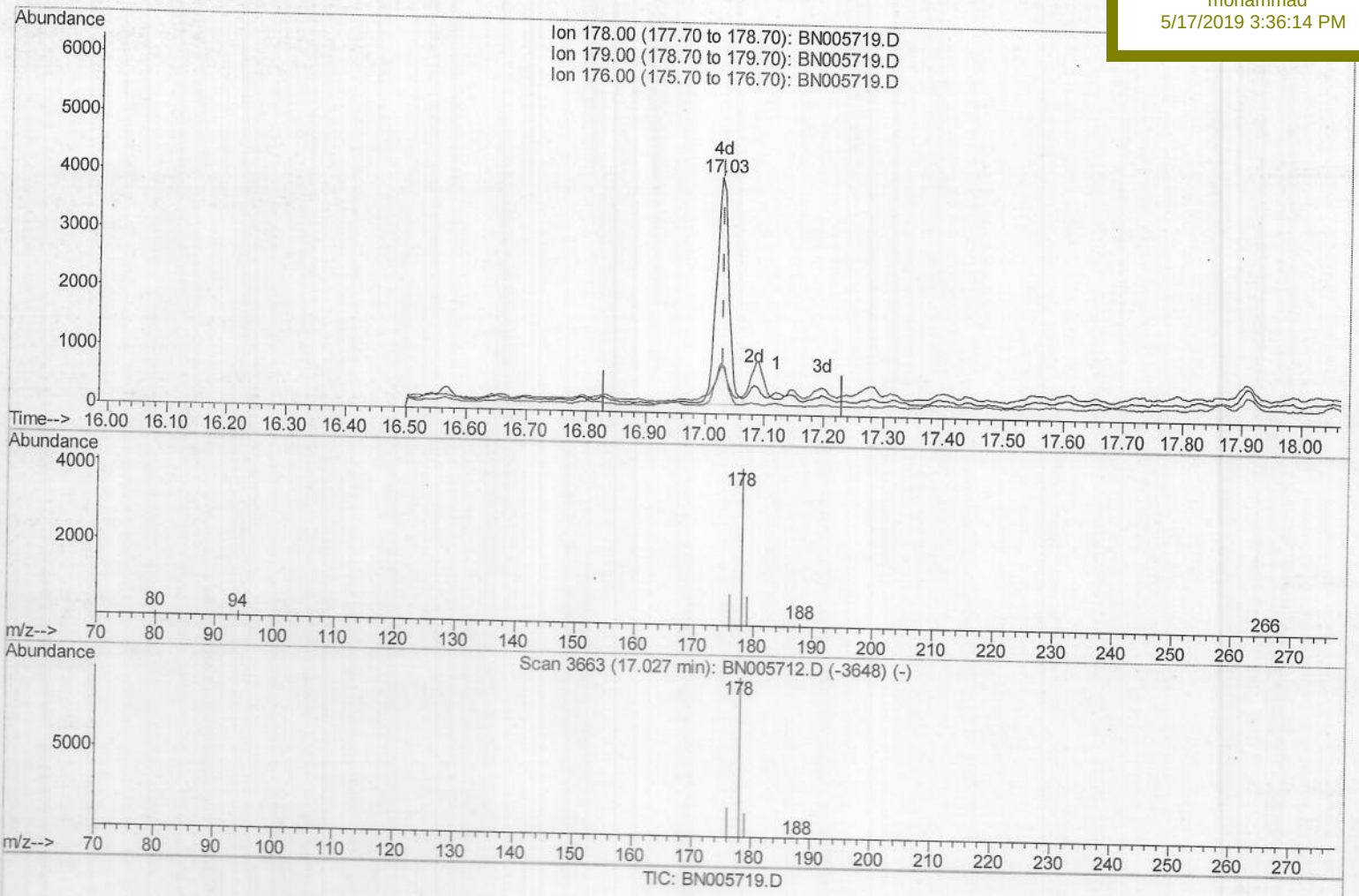
Acq On : 17 May 2019 00:55
Operator : JU/SJ
Sample : K2690-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 17 05:53:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 07:15:06 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A5166

Manual Integrations APPROVED
mohammad
5/17/2019 3:36:14 PM



(12) Phenanthrene

17.027min (-0.004) 0.23ng/ul m) JU05/22/19

response 5575

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	19.88#
176.00	19.10	21.34
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051619\
Data File : BN005719.D
Acq On : 17 May 2019 00:55
Operator : JU/SJ
Sample : K2690-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 17 05:53:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 07:15:06 2019
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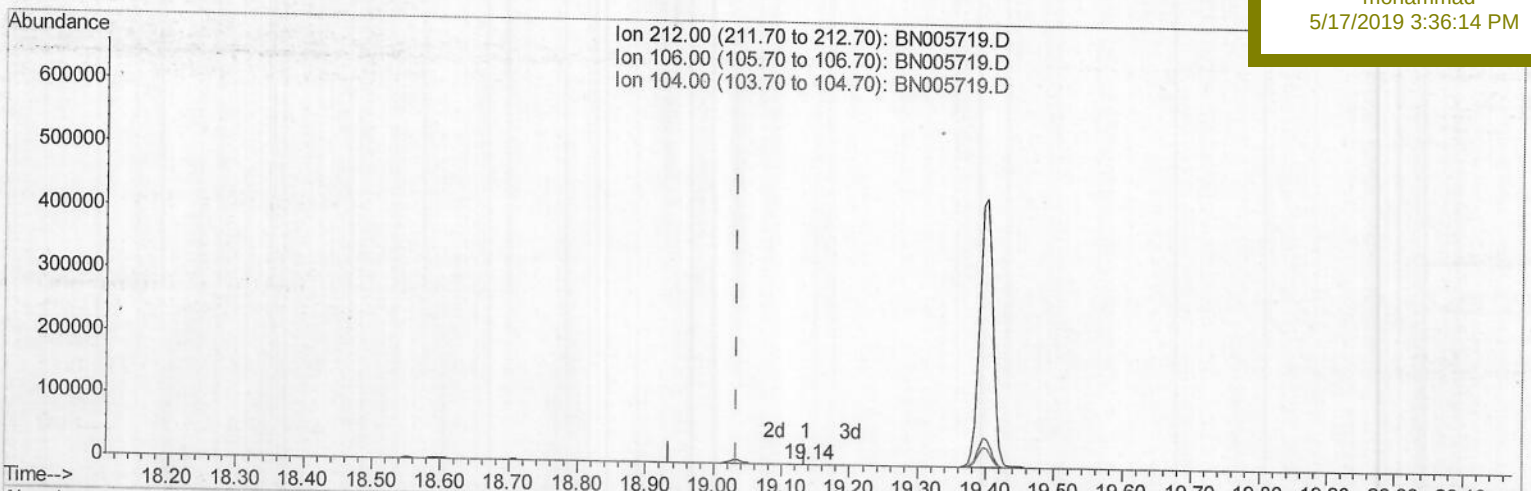
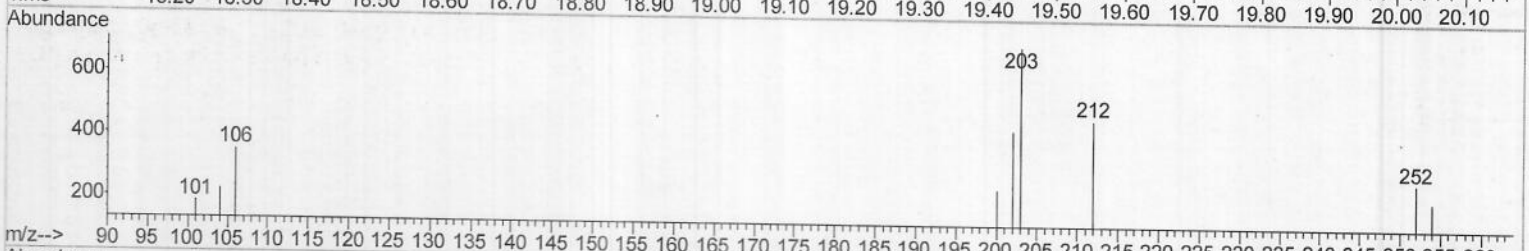
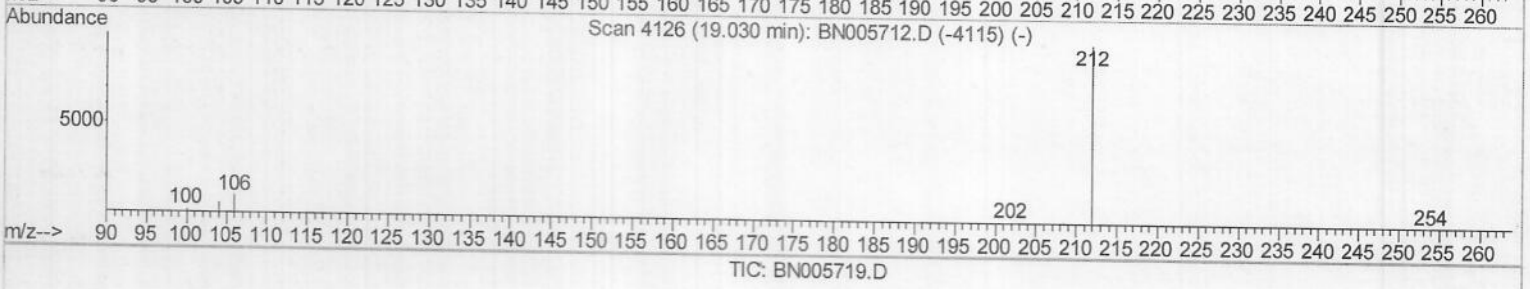
Instrument :
BNA_N
ClientSampleId :
A5166

Manual Integrations APPROVED
mohammad
5/17/2019 3:36:14 PM







(14) Fluoranthene-d10 (SURR)

19.137min (+0.102) 0.01ng/ul

response 406

Ion	Exp%	Act%
212.00	100	100
106.00	10.80	8.87
104.00	6.20	20.20#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051619\
Data File : BN005719.D
Acq On : 17 May 2019 00:55
Operator : JU/SJ
Sample : K2690-20
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 17 05:53:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
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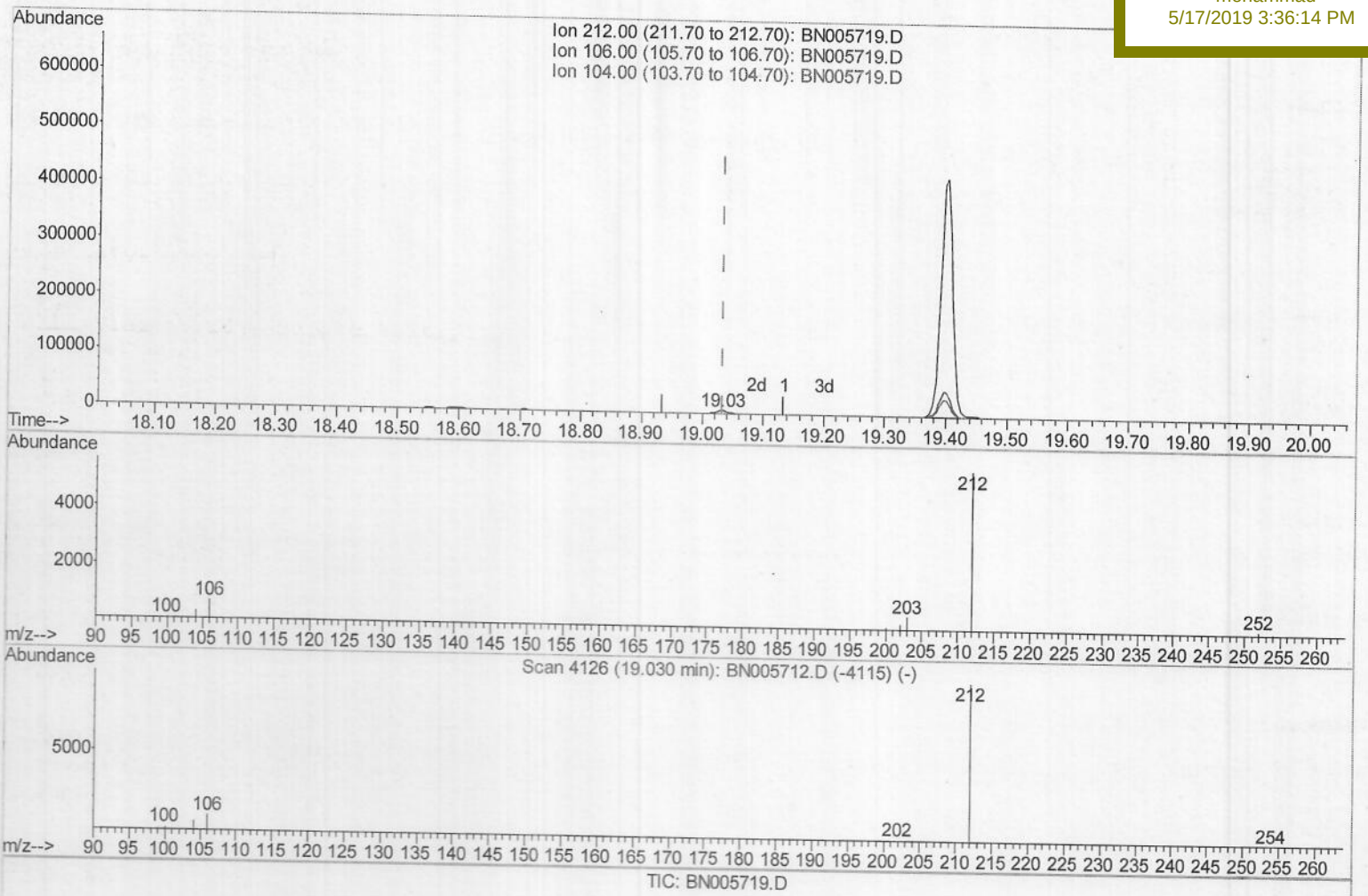
BNA_N
ClientSampleId :
A5166

Manual Integrations APPROVED
mohammad
5/17/2019 3:36:14 PM



TIC: BN005719.D

(14) Fluoranthene-d10 (SURR)

19.030min (-0.005) 0.25ng/ul m) JU05/22/19

response 6975

Ion	Exp%	Act%
212.00	100	100
106.00	10.80	0.52#
104.00	6.20	1.18#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051619\
Data File : BN005719.D
Acq On : 17 May 2019 00:55
Operator : JU/SJ
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Misc :
ALS Vial : 16 Sample Multiplier: 1

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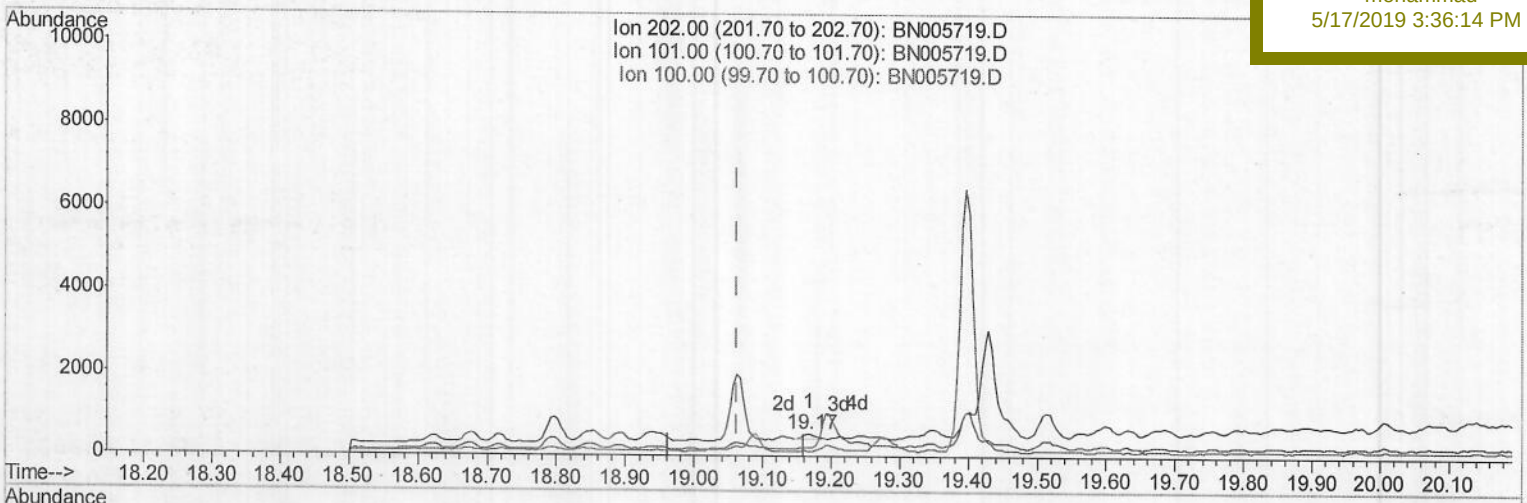
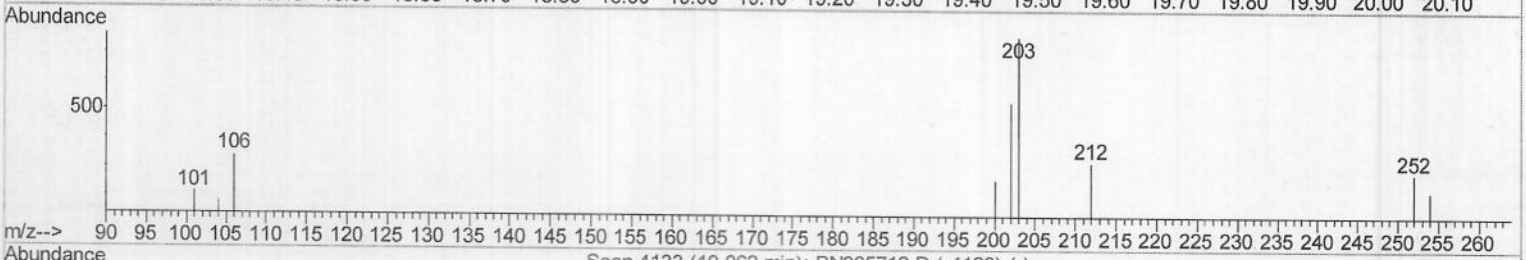
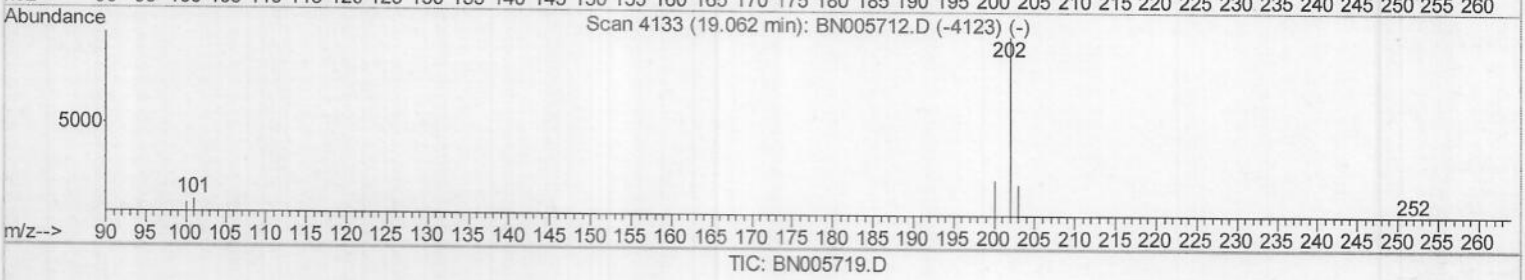
Manual Integrations APPROVED
mohammad
5/17/2019 3:36:14 PM







(15) Fluoranthene (C)

19.169min (+0.107) 0.01ng/ul

response 176

Ion	Exp%	Act%
202.00	100	100
101.00	9.40	39.44#
100.00	7.10	24.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051619\
Data File : BN005719.D
Acq On : 17 May 2019 00:55
Operator : JU/SJ
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Misc :
ALS Vial : 16 Sample Multiplier: 1

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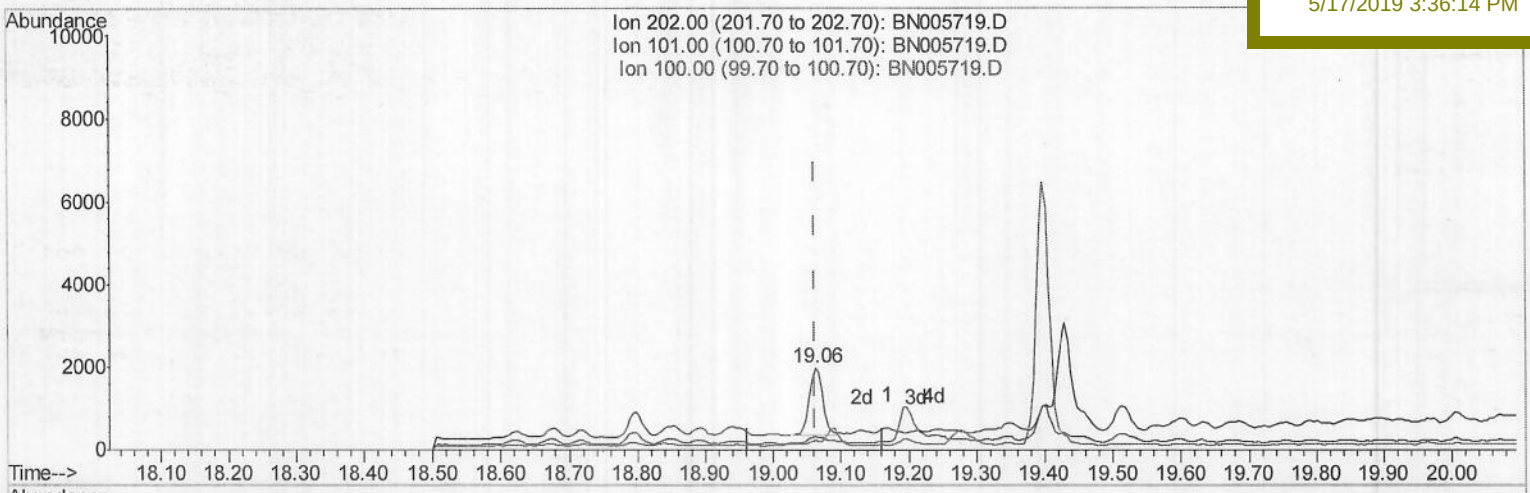
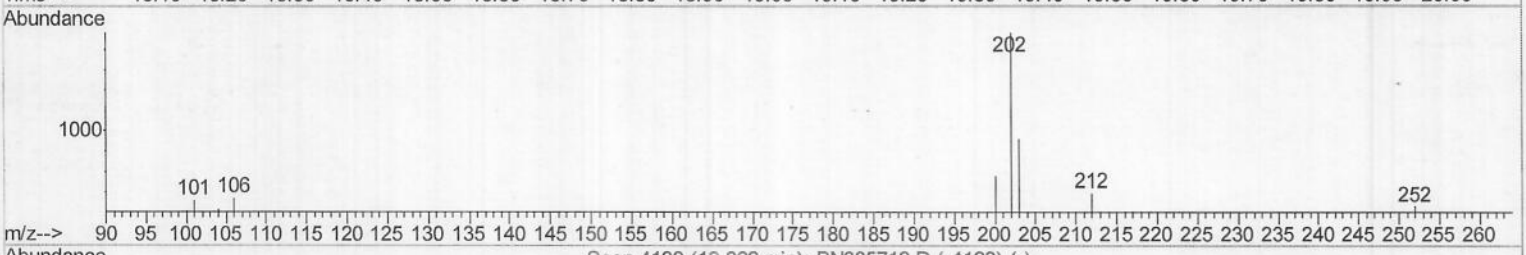
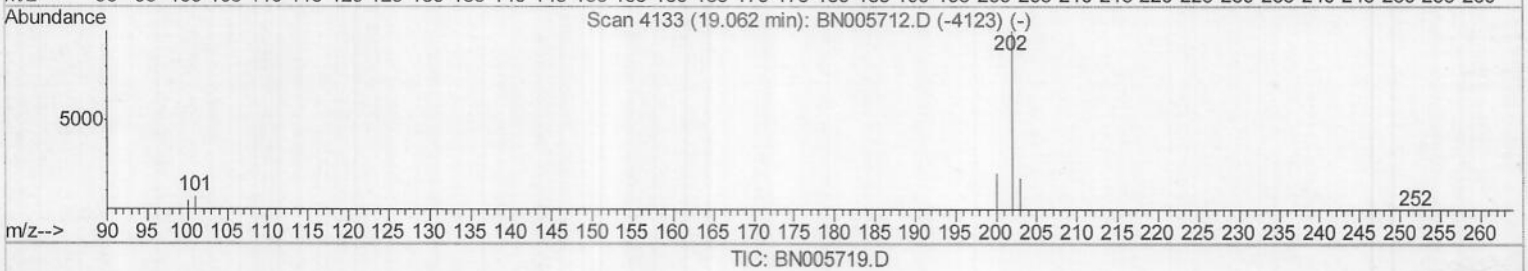
Manual Integrations APPROVED
mohammad
5/17/2019 3:36:14 PM







TIC: BN005719.D

(15) Fluoranthene (C)

19.062min (-0.000) 0.07ng/ul m JU 05/22/19

response 2244

Ion	Exp%	Act%
202.00	100	100
101.00	9.40	16.30
100.00	7.10	11.43
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051619\
Data File : BN005719.D
Acq On : 17 May 2019 00:55
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ClientSampleId : A5166

Manual Integrations APPROVED
mohammad
5/17/2019 3:36:14 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	1436	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.35	136	5940	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.23	164	3897	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.98	188	8815m	0.40	ng/ul	0.00
16) Chrysene-d12	21.22	240	5599m	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	5144m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	3140	0.34	ng/ul	0.00
14) Fluoranthene-d10	19.03	212	6975m	0.25	ng/ul	0.00
Target Compounds						Qvalue
5) 2-Methylnaphthalene	12.03	142	852	0.079	ng/ul	99
12) Phenanthrene	17.03	178	5575m	0.232	ng/ul	
15) Fluoranthene	19.06	202	2244m	0.068	ng/ul	

5/22/19

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