

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091074.D
 Acq On : 5 Nov 2015 19:40
 Operator : UM/NP
 Sample : G4273-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA E
 ClientSampleId :
 COAP7

Quant Time: Nov 06 06:40:52 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 06 05:41:57 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Mmdadoda
 11/6/2015 3:45:22 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	3552	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	20110	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.40	164	11977	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	28963m	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	31405	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	41055m	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.93	96	14824	5.80	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	11.07	152	5543	0.20	ng/ul	0.00
16) Fluoranthene-d10	18.13	212	17310	0.21	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	9.62	128	26576	0.54	ng/ul	99
7) 2-Methylnaphthalene	11.14	142	50110	1.55	ng/ul	99
9) Acenaphthylene	13.14	152	18673	0.31	ng/ul	99
10) Acenaphthene	13.46	153	188159	4.59	ng/ul	94
11) Fluorene	14.45	166	230715	4.39	ng/ul	89
14) Phenanthrene	16.17	178	4381400m	13.10	ng/ul	97
15) Anthracene	16.25	178	1783991	5.87	ng/ul	97
17) Fluoranthene	18.15	202	3798063m	9.70	ng/ul	78
19) Pyrene	18.54	202	2701721	7.57	ng/ul#	96
20) Benzo(a)anthracene	20.26	228	295700	3.67	ng/ul	98
21) Chrysene	20.32	228	270904	2.92	ng/ul	94
23) Benzo(b)fluoranthene	21.63	252	161429	1.26	ng/ul	94
24) Benzo(k)fluoranthene	21.65	252	181428m	1.38	ng/ul	94
25) Benzo(a)pyrene	22.10	252	196481m	1.66	ng/ul	94
26) Indeno(1,2,3-cd)pyrene	23.83	276	393230m	0.79	ng/ul	94
27) Dibenzo(a,h)anthracene	23.79	278	27598m	0.23	ng/ul	94
28) Benzo(a,h,i)perylene	24.40	276	317216m	0.61	ng/ul	94

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

Quantitation Report (Qedit)

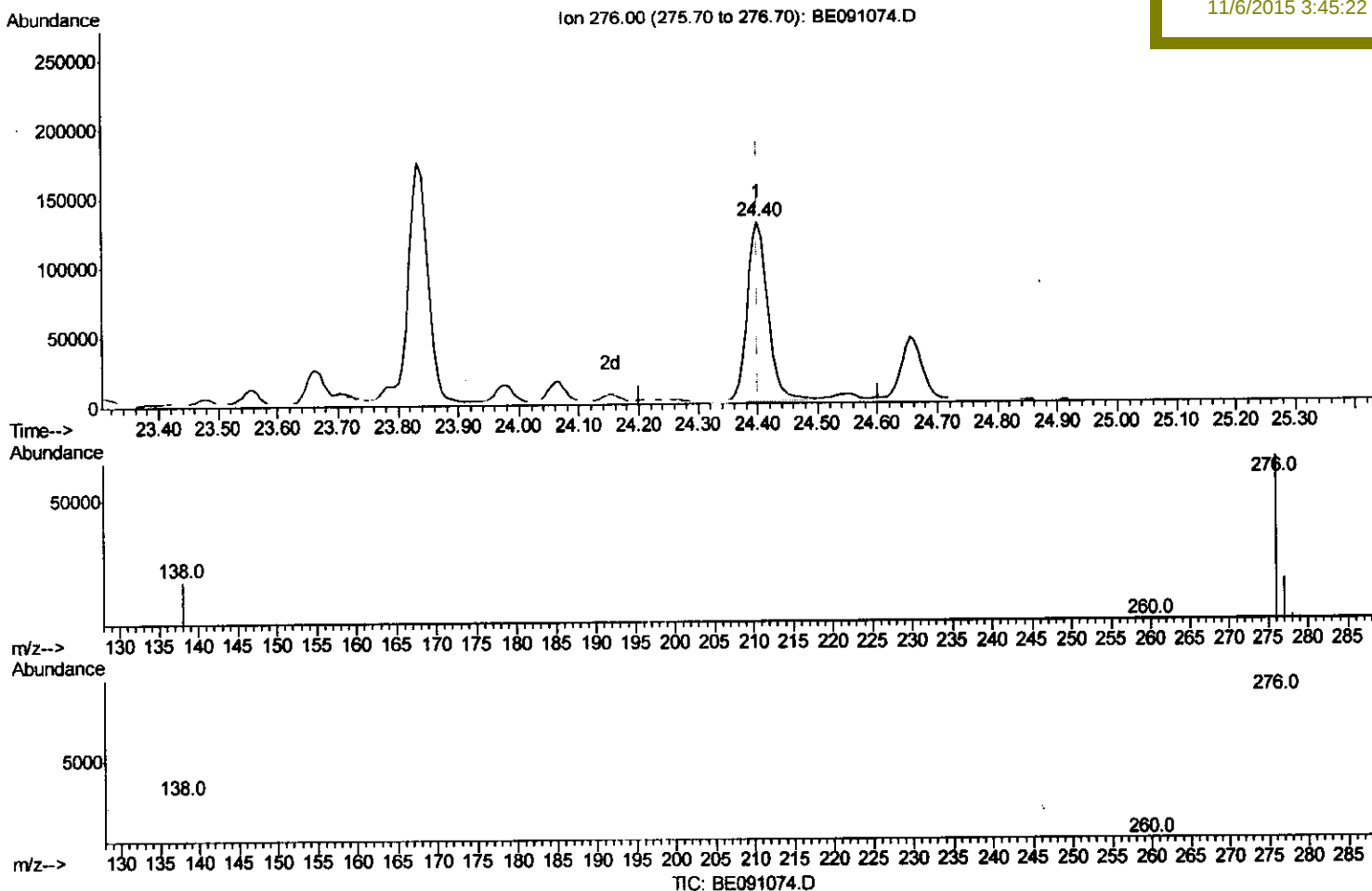
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091074.D
 Acq On : 5 Nov 2015 19:40
 Operator : UM/NP
 Sample : G4273-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP7

Quant Time: Nov 06 06:39:04 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 06 05:41:57 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Mmdadoda
 11/6/2015 3:45:22 PM



(28) Benzo(g,h,i)perylene

24.400min (-0.001) 0.61ng/ul m

response 317216

Ion	Exp%	Act%
276.00	100	100
277.00	26.60	24.89
138.00	31.90	26.54
0.00	0.00	0.00

UM
 11 106 115

Quantitation Report (Qedit)

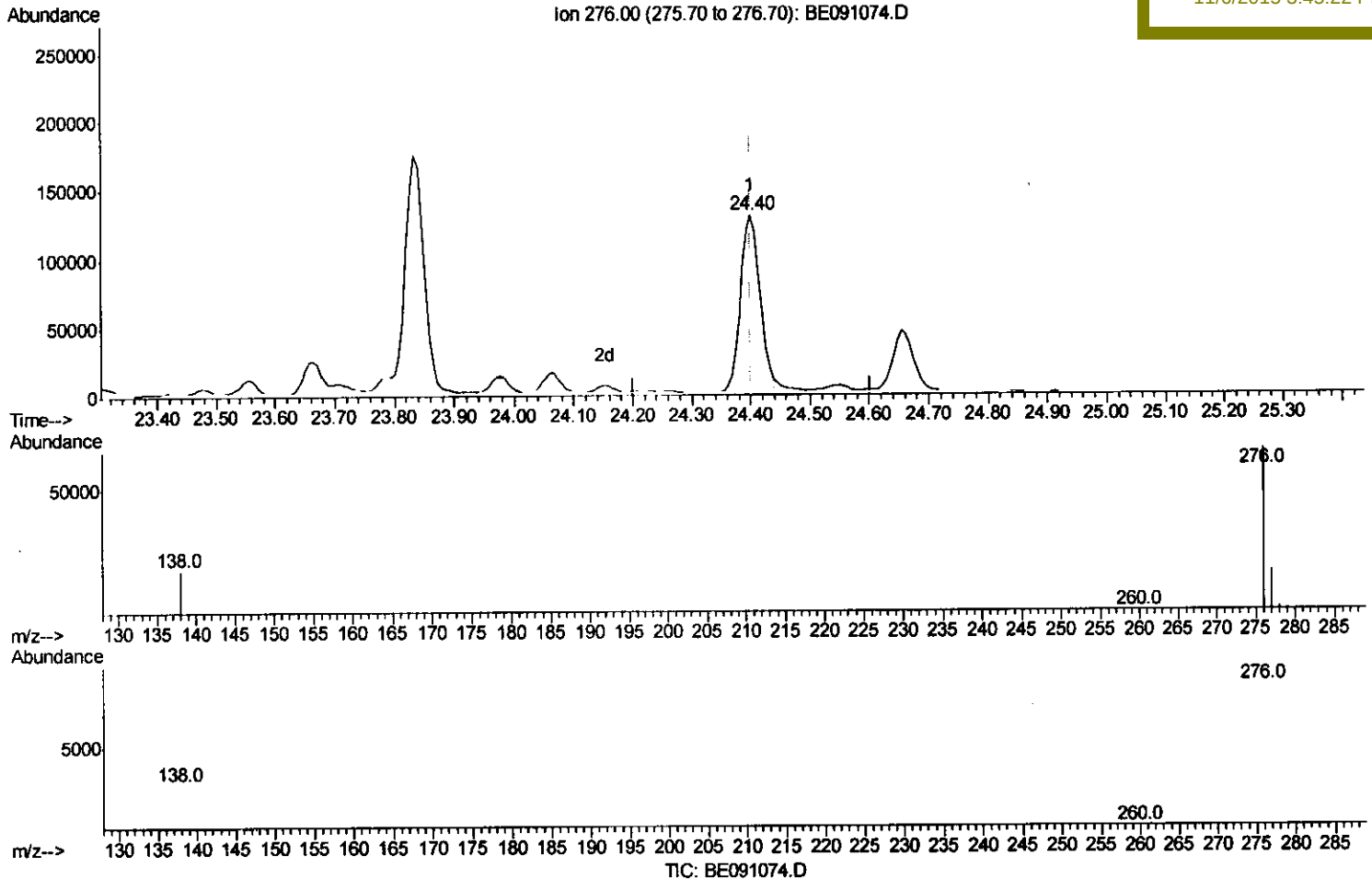
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091074.D
 Acq On : 5 Nov 2015 19:40
 Operator : UM/NP
 Sample : G4273-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 COAP7

Quant Time: Nov 06 06:39:04 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 06 05:41:57 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Mmdadoda
 11/6/2015 3:45:22 PM



(28) Benzo(g,h,i)perylene

24.400min (-0.001) 0.58ng/ul

response 301869

Ion	Exp%	Act%
276.00	100	100
277.00	26.60	24.89
138.00	31.90	26.54
0.00	0.00	0.00

Quantitation Report (Qedit)

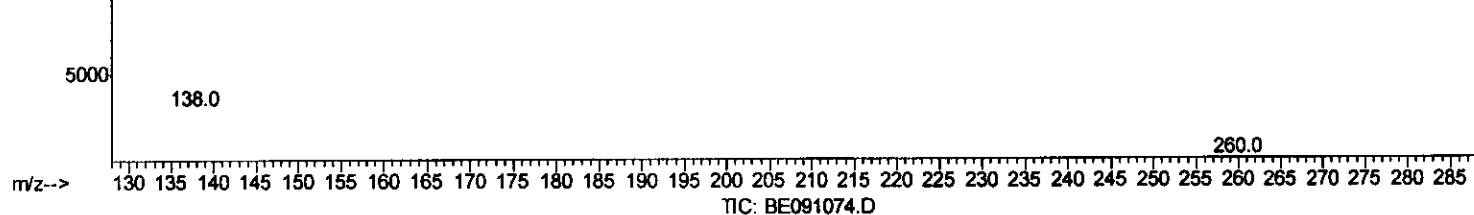
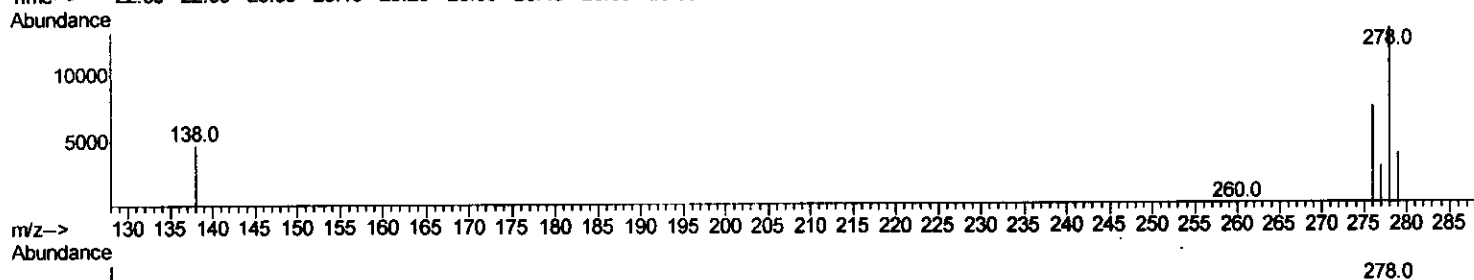
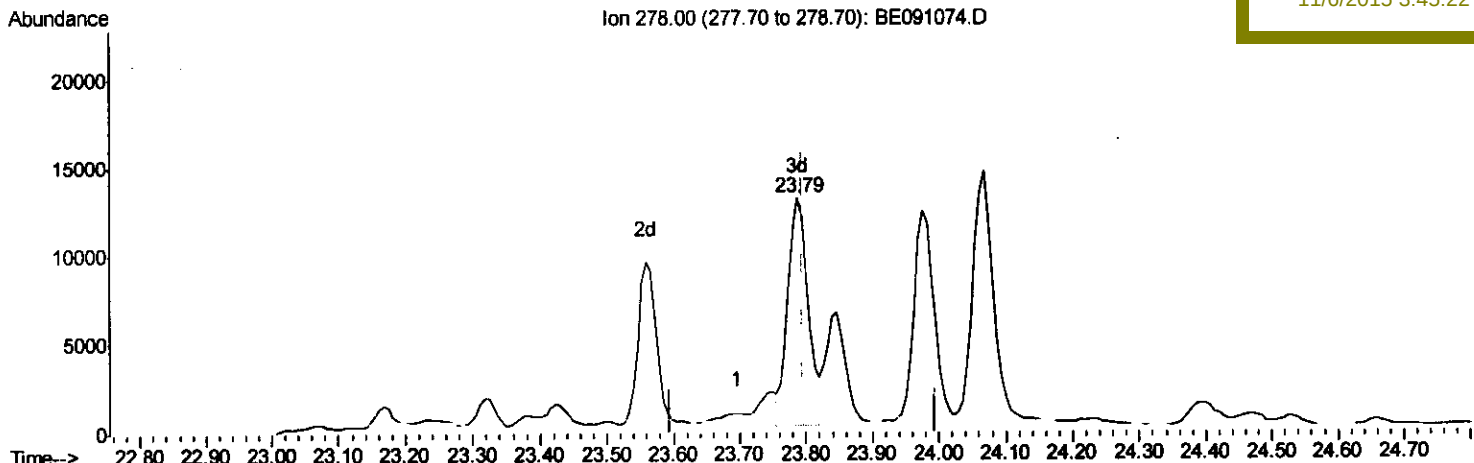
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091074.D
 Acq On : 5 Nov 2015 19:40
 Operator : UM/NP
 Sample : G4273-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 COAP7

Quant Time: Nov 06 06:39:04 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 06 05:41:57 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Mmdadoda
 11/6/2015 3:45:22 PM



(27) Dibenzo(a,h)anthracene

23.787min (-0.008) 0.23ng/ul m

response 27598

Ion	Exp%	Act%
278.00	100	100
139.00	27.10	0.00#
279.00	27.40	29.08
0.00	0.00	0.00

UMI
 11/06/15

Quantitation Report (Qedit)

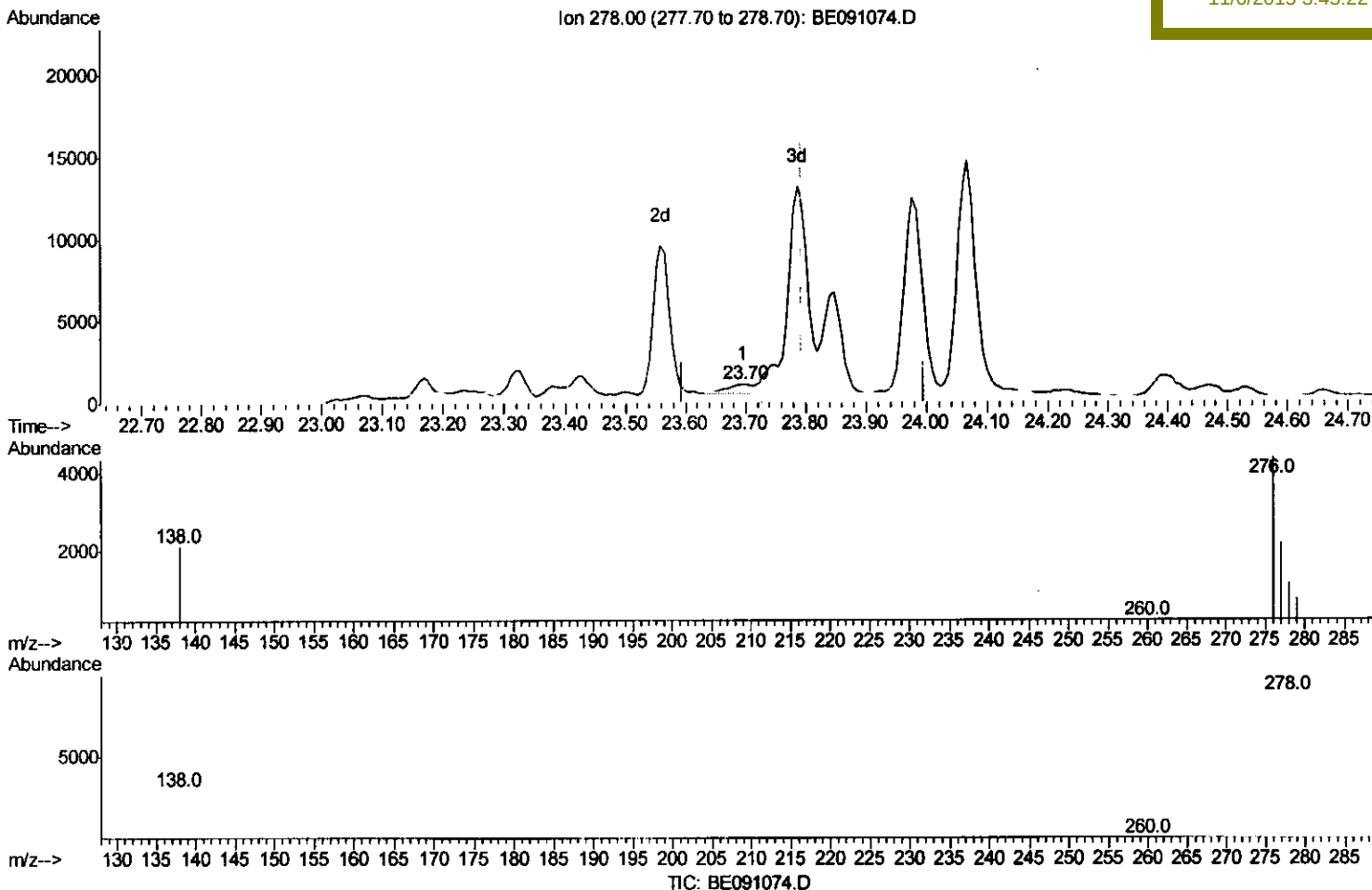
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091074.D
 Acq On : 5 Nov 2015 19:40
 Operator : UM/NP
 Sample : G4273-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP7

Quant Time: Nov 06 06:39:04 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 06 05:41:57 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Mmdadoda
 11/6/2015 3:45:22 PM



(27) Dibenzo(a,h)anthracene

23.696min (-0.099) 0.01ng/ul

response 1504

Ion	Exp%	Act%
278.00	100	100
139.00	27.10	0.00#
279.00	27.40	62.27#
0.00	0.00	0.00

Quantitation Report (Qedit)

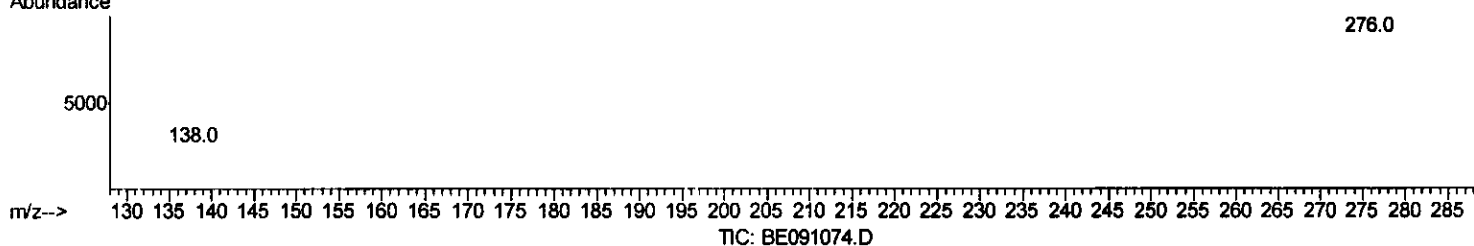
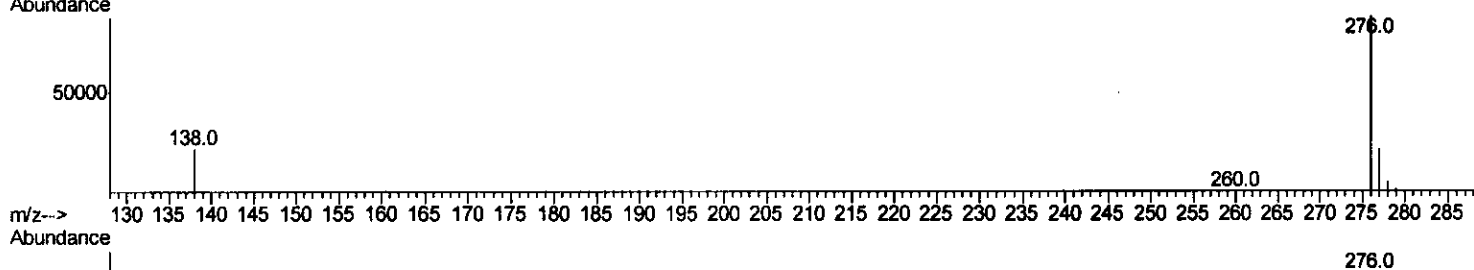
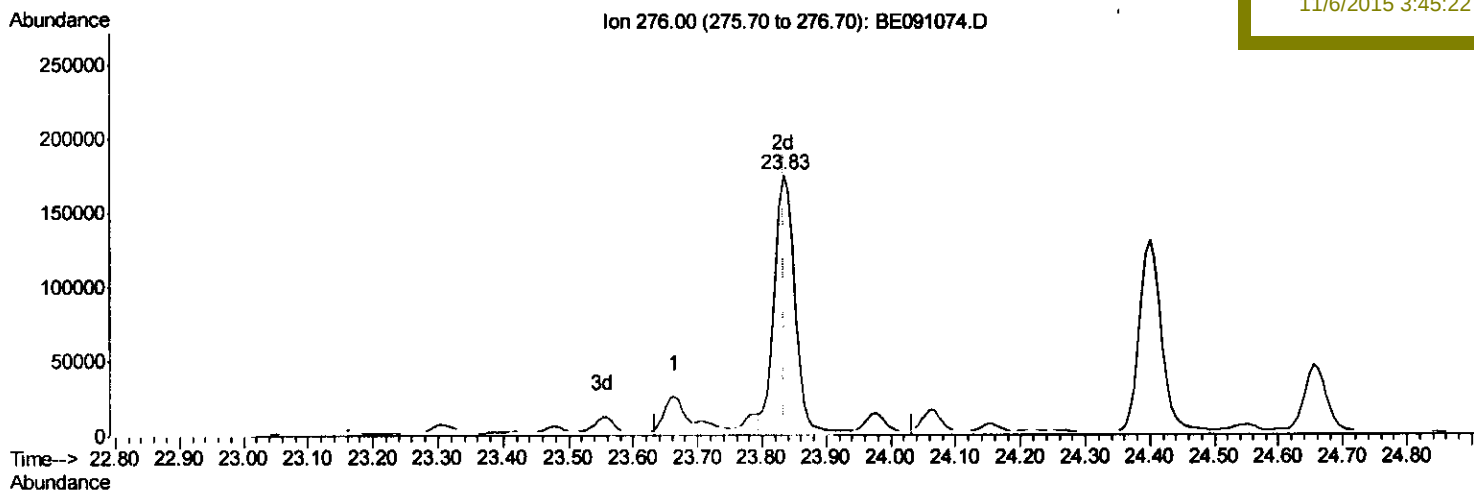
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
Data File : BE091074.D
Acq On : 5 Nov 2015 19:40
Operator : UM/NP
Sample : G4273-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
COAP7

Quant Time: Nov 06 06:39:04 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 06 05:41:57 2015
Response via : Initial Calibration

Manual Integrations
APPROVED

Mmdadoda
11/6/2015 3:45:22 PM



(26) Indeno(1,2,3-cd)pyrene
23.833min (-0.001) 0.79ng/ul m
response 393230

Ion	Exp%	Act%
276.00	100	100
138.00	34.40	4.16#
277.00	24.10	5.02#
0.00	0.00	0.00

U-XI
11/06 115

Quantitation Report (Qedit)

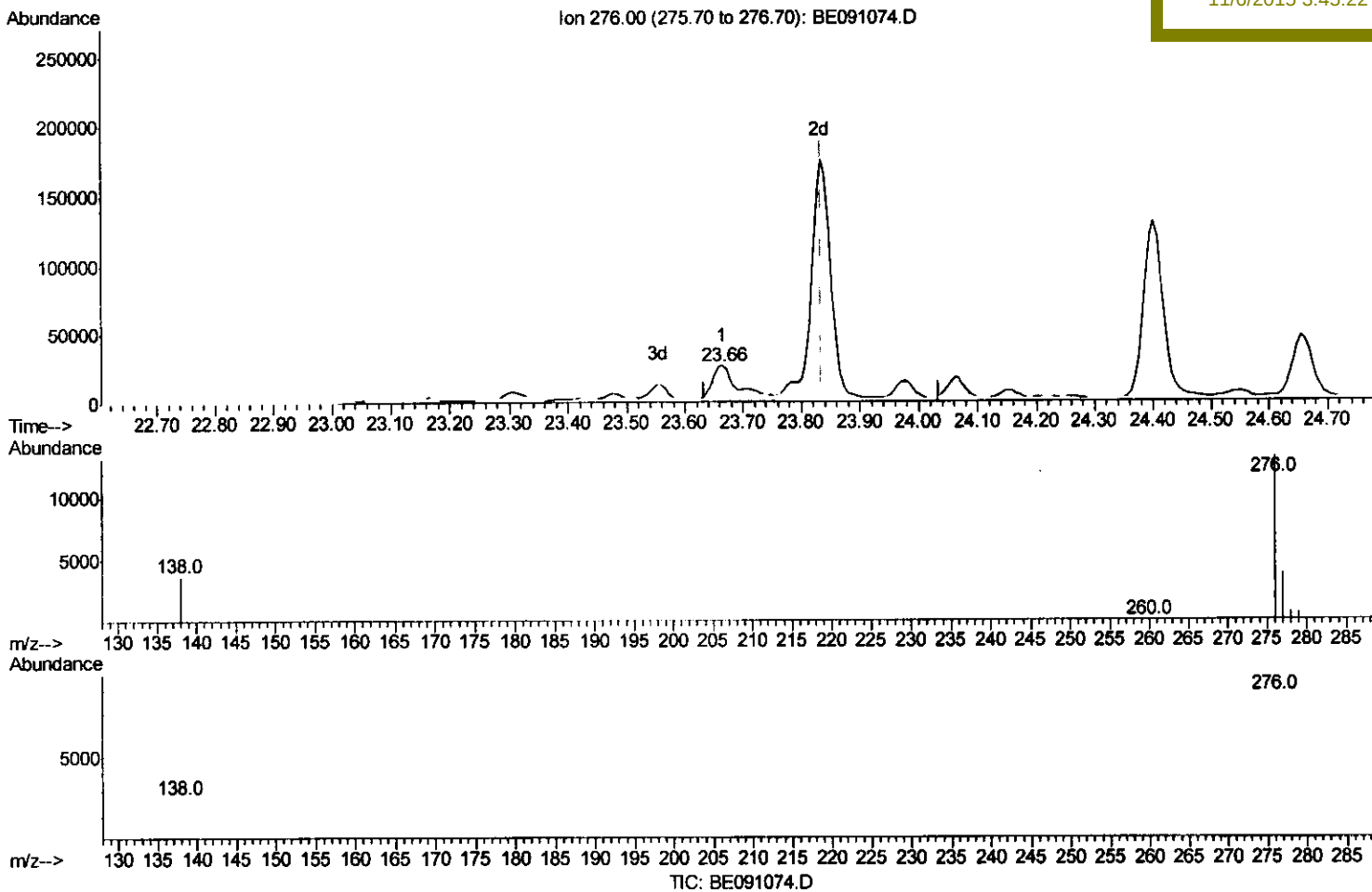
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091074.D
 Acq On : 5 Nov 2015 19:40
 Operator : UM/NP
 Sample : G4273-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP7

Quant Time: Nov 06 06:39:04 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 06 05:41:57 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Mmdadoda
 11/6/2015 3:45:22 PM



(26) Indeno(1,2,3-cd)pyrene

23.663min (-0.171) 0.15ng/ul

response 76362

Ion	Exp%	Act%
276.00	100	100
138.00	34.40	21.43#
277.00	24.10	25.86
0.00	0.00	0.00

Quantitation Report (Qedit)

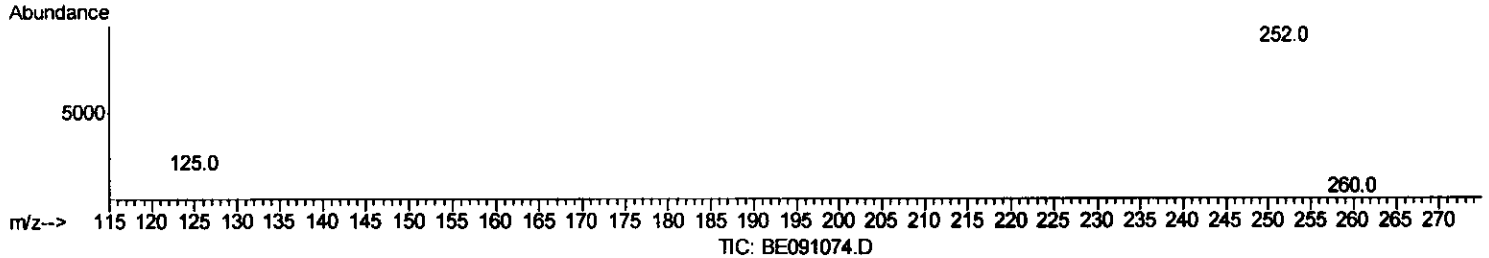
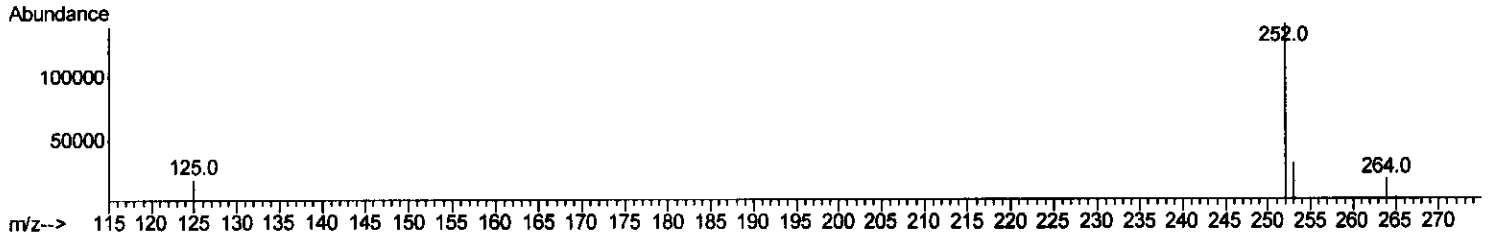
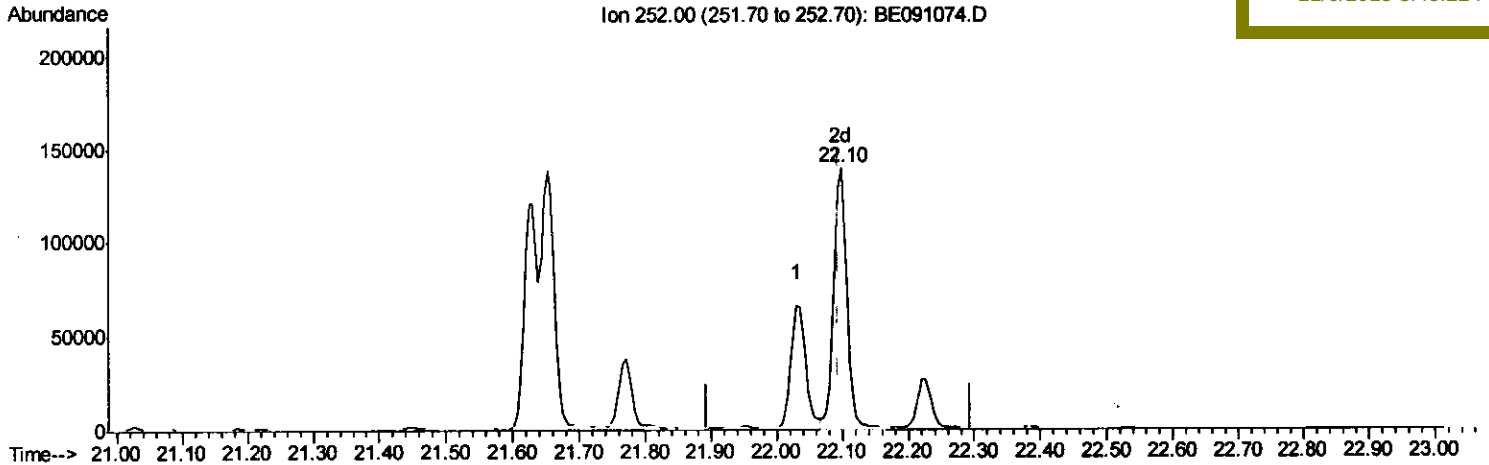
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091074.D
 Acq On : 5 Nov 2015 19:40
 Operator : UM/NP
 Sample : G4273-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP7

Quant Time: Nov 06 06:39:04 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 06 05:41:57 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Mmdadoda
 11/6/2015 3:45:22 PM



(25) Benzo(a)pyrene (C)

22.099min (+0.004) 1.66ng/ul m

response 196481

Ion	Exp%	Act%
252.00	100	100
253.00	27.30	22.80
125.00	18.10	14.28#
0.00	0.00	0.00

UM
 11/06/15

Quantitation Report (Qedit)

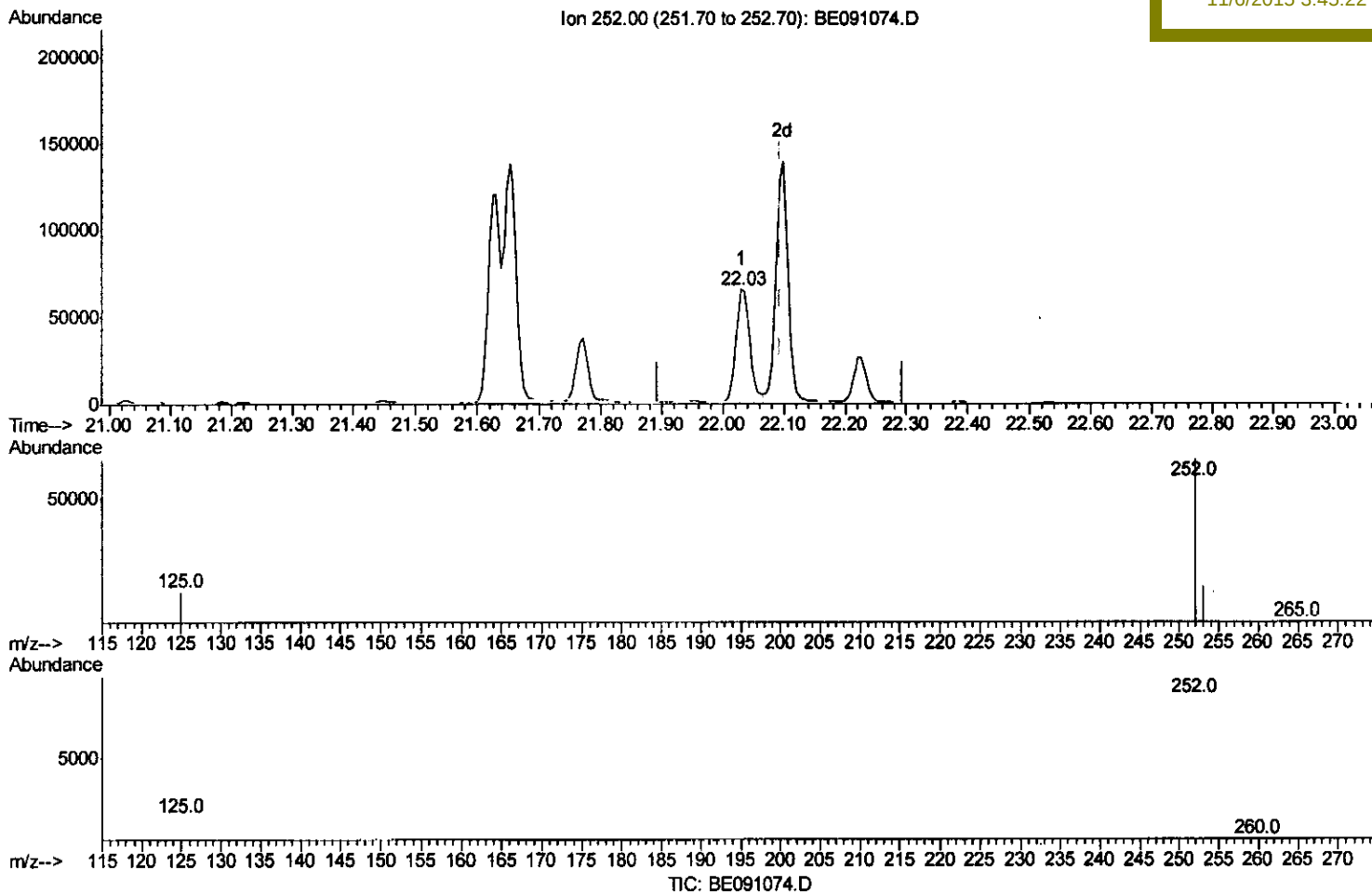
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091074.D
 Acq On : 5 Nov 2015 19:40
 Operator : UM/NP
 Sample : G4273-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 06 06:39:04 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 06 05:41:57 2015
 Response via : Initial Calibration

Instrument :
 BNA_E
 ClientSampleId :
 C0AP7

Manual Integrations
 APPROVED

Mmdadoda
 11/6/2015 3:45:22 PM



(25) Benzo(a)pyrene (C)

22.030min (-0.064) 0.88ng/ul

response 103483

Ion	Exp%	Act%
252.00	100	100
253.00	27.30	22.62
125.00	18.10	19.19
0.00	0.00	0.00

Quantitation Report (Qedit)

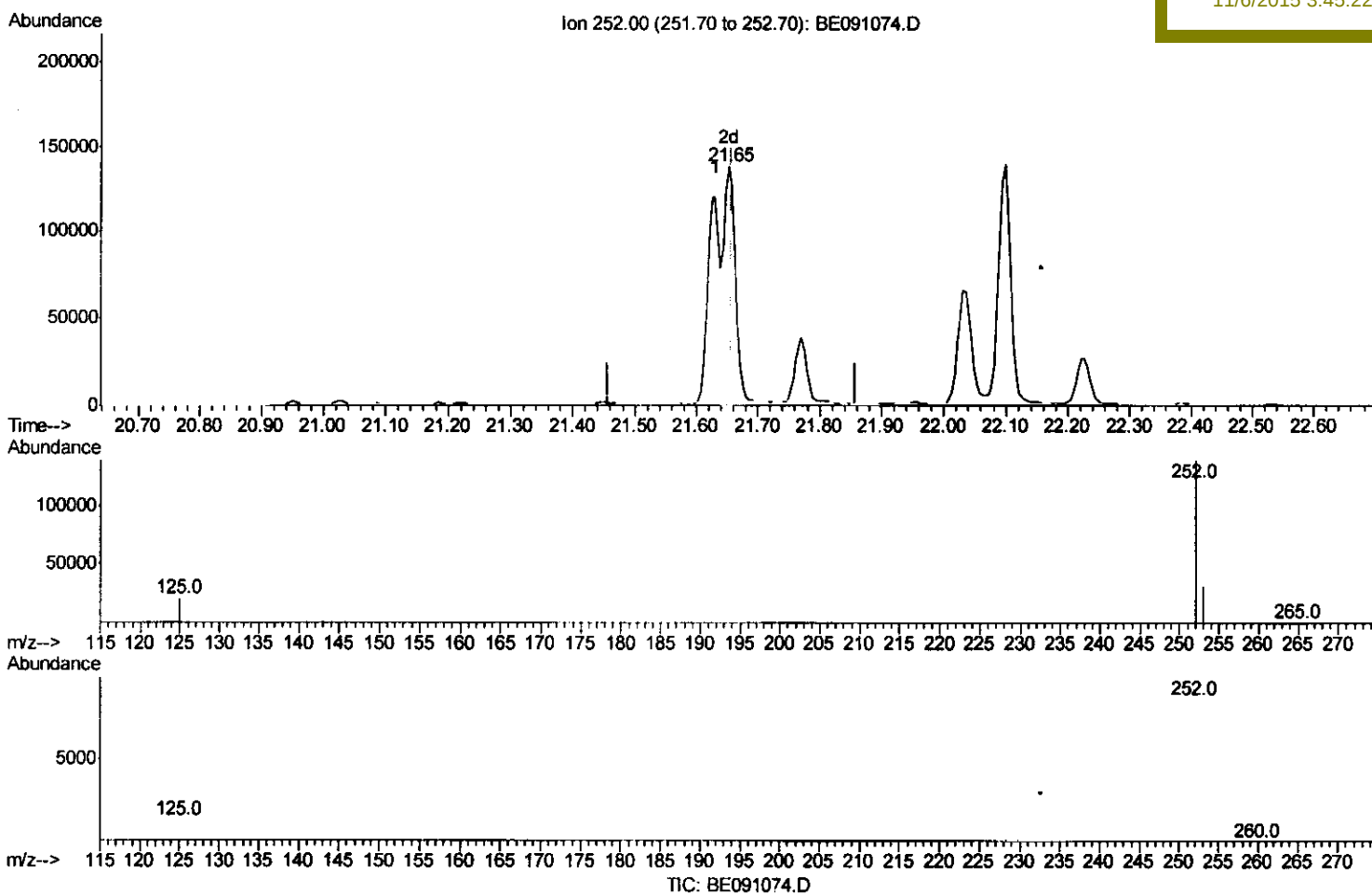
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
Data File : BE091074.D
Acq On : 5 Nov 2015 19:40
Operator : UM/NP
Sample : G4273-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AP7

Quant Time: Nov 06 06:39:04 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 06 05:41:57 2015
Response via : Initial Calibration

Manual Integrations
APPROVED

Mmdadoda
11/6/2015 3:45:22 PM



(24) Benzo(k)fluoranthene

21.652min (-0.005) 1.38ng/ul m

response 181428

Ion	Exp%	Act%
252.00	100	100
253.00	26.00	22.53
125.00	15.30	14.81
0.00	0.00	0.00

U.21
11 106 115

Quantitation Report (Qedit)

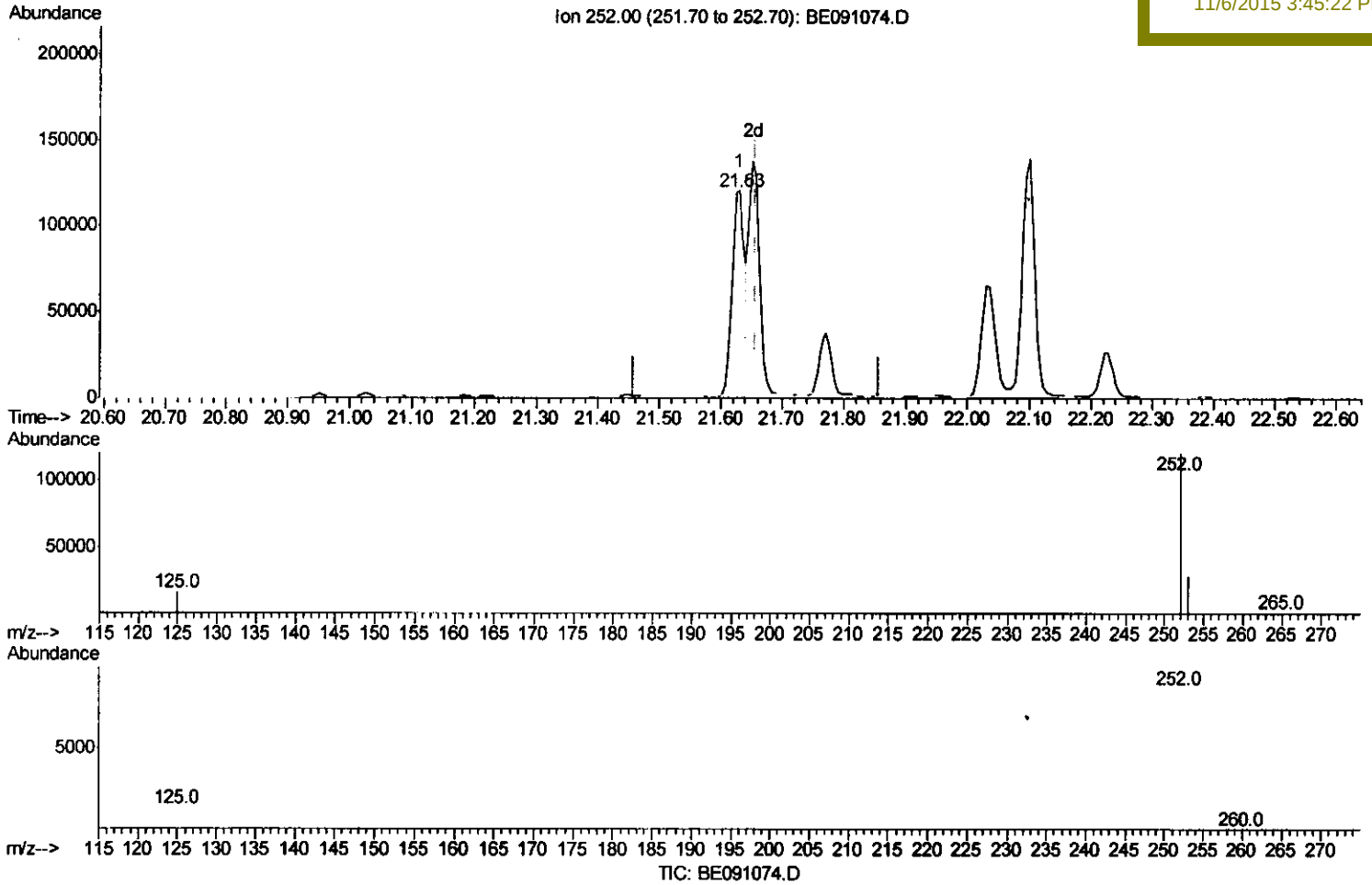
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091074.D
 Acq On : 5 Nov 2015 19:40
 Operator : UM/NP
 Sample : G4273-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 06 06:39:04 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 06 05:41:57 2015
 Response via : Initial Calibration

Instrument :
 BNA_E
 ClientSampled :
 C0AP7

Manual Integrations
 APPROVED

Mmdadoda
 11/6/2015 3:45:22 PM



(24) Benzo(k)fluoranthene

21.630min (-0.028) 1.23ng/ul

response 161429

Ion	Exp%	Act%
252.00	100	100
253.00	26.00	23.10
125.00	15.30	12.96
0.00	0.00	0.00

Quantitation Report (Qedit)

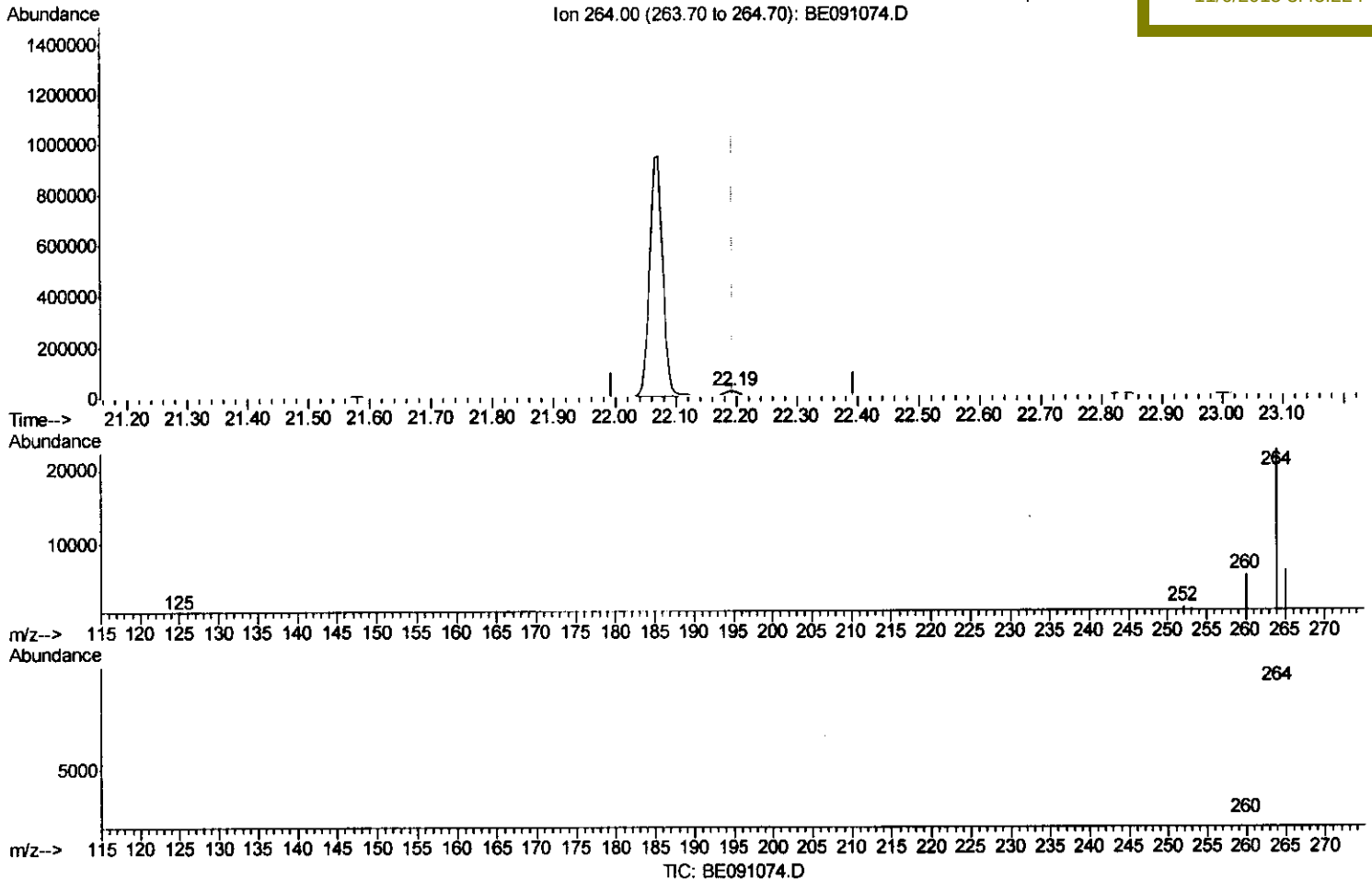
Data Path : V:\HPCHEM1\BNA E\Data\BE110515\
 Data File : BE091074.D
 Acq On : 5 Nov 2015 19:40
 Operator : UM/NP
 Sample : G4273-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP7

Manual Integrations
 APPROVED

Mmdadoda
 11/6/2015 3:45:22 PM

Quant Time: Nov 06 06:40:52 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Qlast Update : Fri Nov 06 05:41:57 2015
 Response via : Initial Calibration



(22) Perylene-d12 (I)

22.194min (-0.000) 0.40ng/ul m

response 41055

Ion	Exp%	Act%
264.00	100	100
260.00	28.90	24.91
265.00	34.70	27.30#
0.00	0.00	0.00

U-21
 11 106 115

Quantitation Report (Qedit)

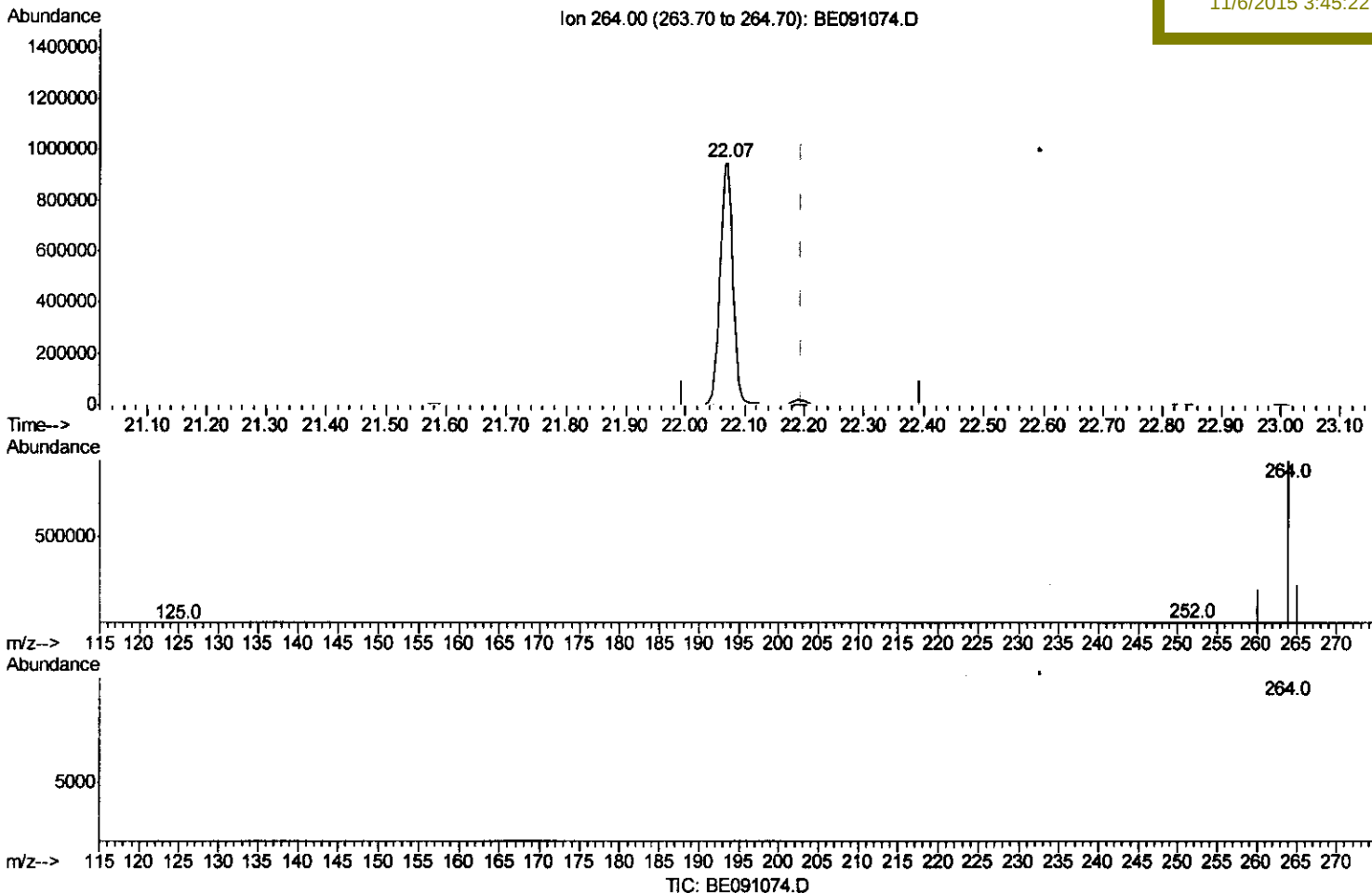
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091074.D
 Acq On : 5 Nov 2015 19:40
 Operator : UM/NP
 Sample : G4273-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 06 06:38:03 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 06 05:41:57 2015
 Response via : Initial Calibration

Instrument :
 BNA_E
 ClientSampleId :
 C0AP7

Manual Integrations
 APPROVED

Mmdadoda
 11/6/2015 3:45:22 PM



(22) Perylene-d12 (I)

22.071min (-0.123) 0.40ng/ul

response 1432497

Ion	Exp%	Act%
264.00	100	100
260.00	28.90	20.79#
265.00	34.70	23.21#
0.00	0.00	0.00

Quantitation Report (Qedit)

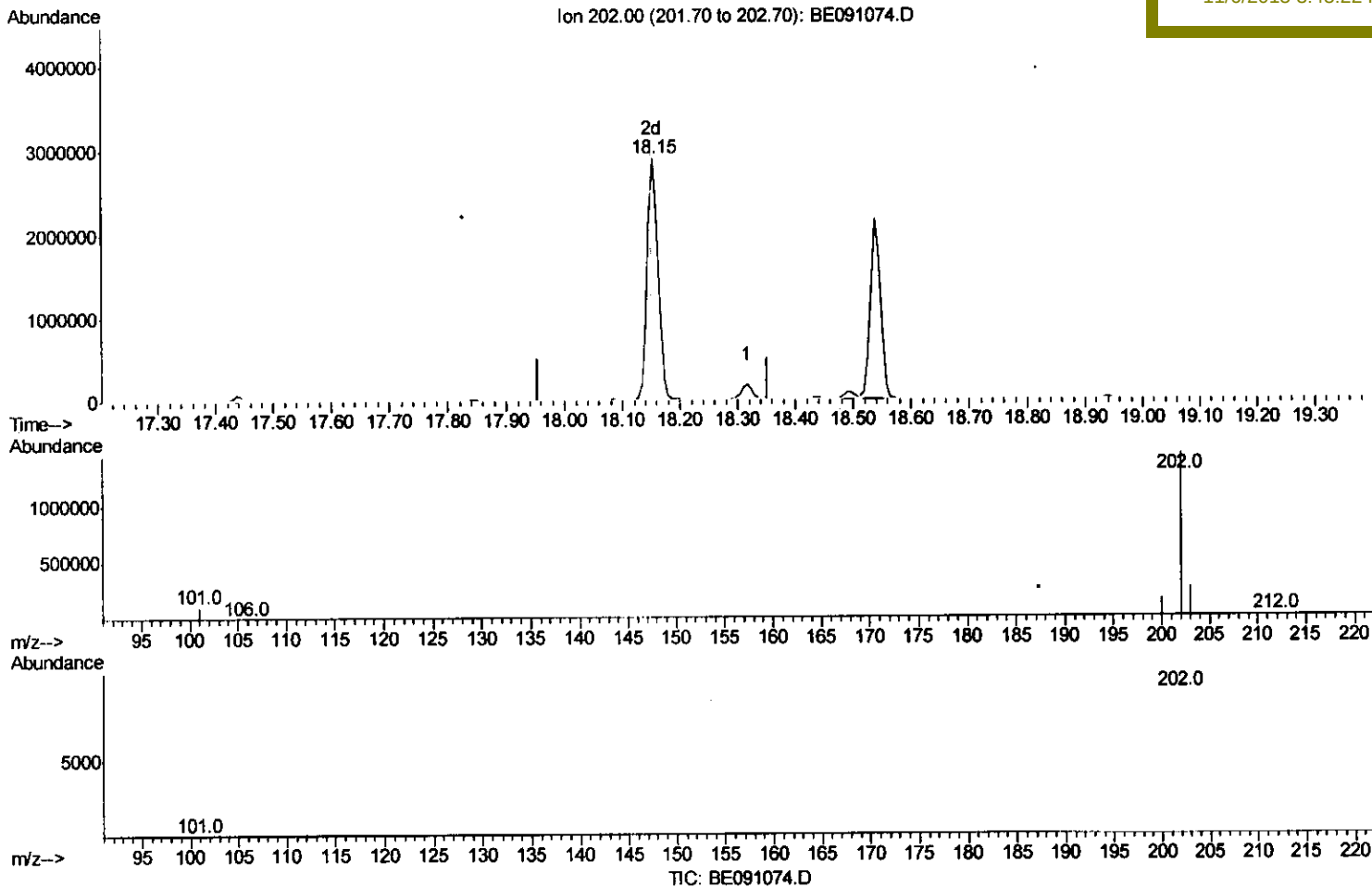
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091074.D
 Acq On : 5 Nov 2015 19:40
 Operator : UM/NP
 Sample : G4273-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP7

Quant Time: Nov 06 06:38:03 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 06 05:41:57 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Mmdadoda
 11/6/2015 3:45:22 PM



(17) Fluoranthene (C)

18.153min (-0.000) 9.70ng/ul m

response 3798063

Ion	Exp%	Act%
202.00	100	100
101.00	13.10	7.20
203.00	17.20	17.68
0.00	0.00	0.00

Handwritten: U.M
 11 / 106 / 115

Quantitation Report (Qedit)

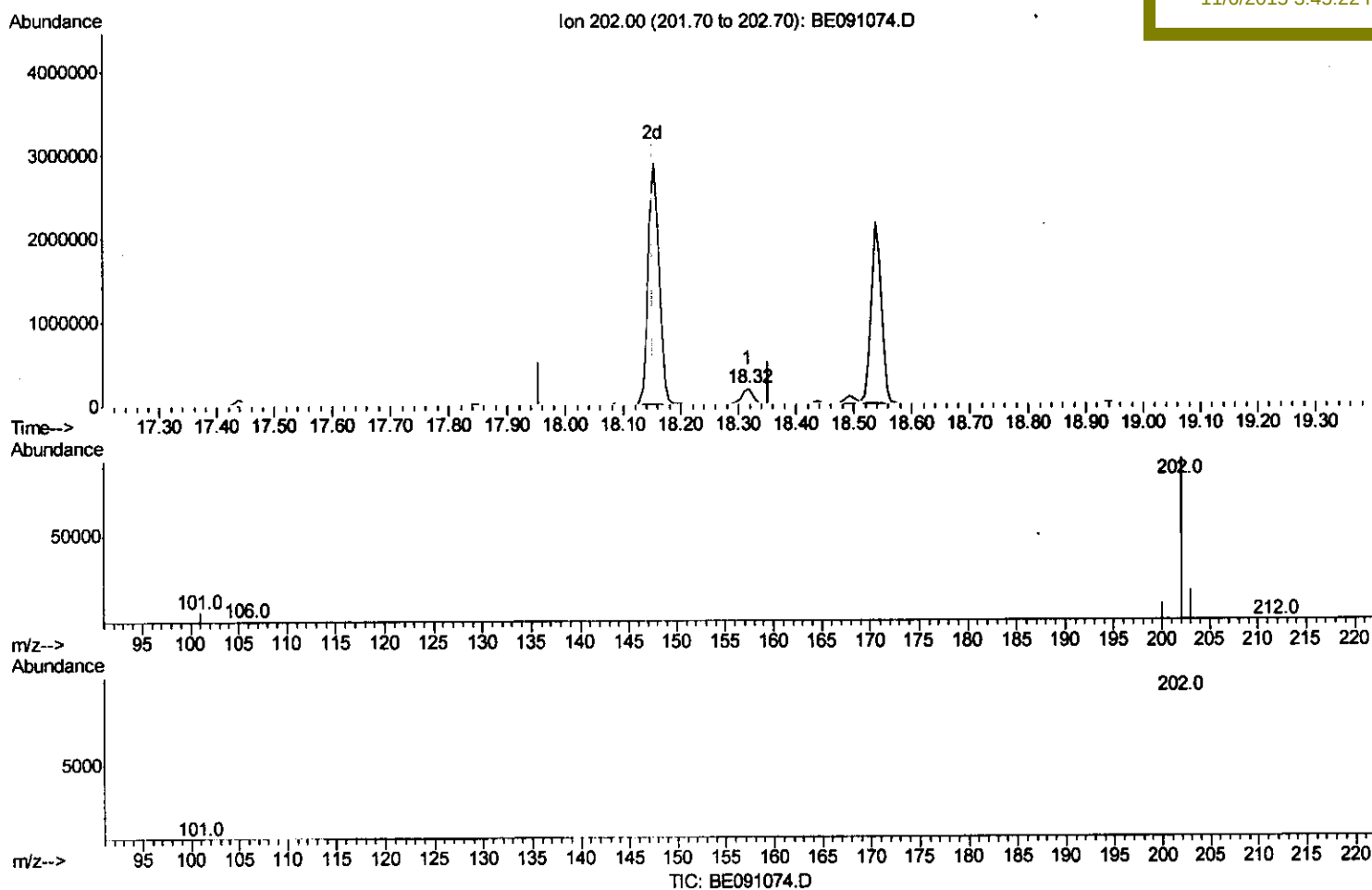
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
Data File : BE091074.D
Acq On : 5 Nov 2015 19:40
Operator : UM/NP
Sample : G4273-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AP7

Quant Time: Nov 06 06:38:03 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 06 05:41:57 2015
Response via : Initial Calibration

Manual Integrations
APPROVED

Mmdadoda
11/6/2015 3:45:22 PM



(17) Fluoranthene (C)

18.316min (+0.163) 0.63ng/ul

response 247047

Ion	Exp%	Act%
202.00	100	100
101.00	13.10	3.17
203.00	17.20	18.60
0.00	0.00	0.00

Quantitation Report (Qedit)

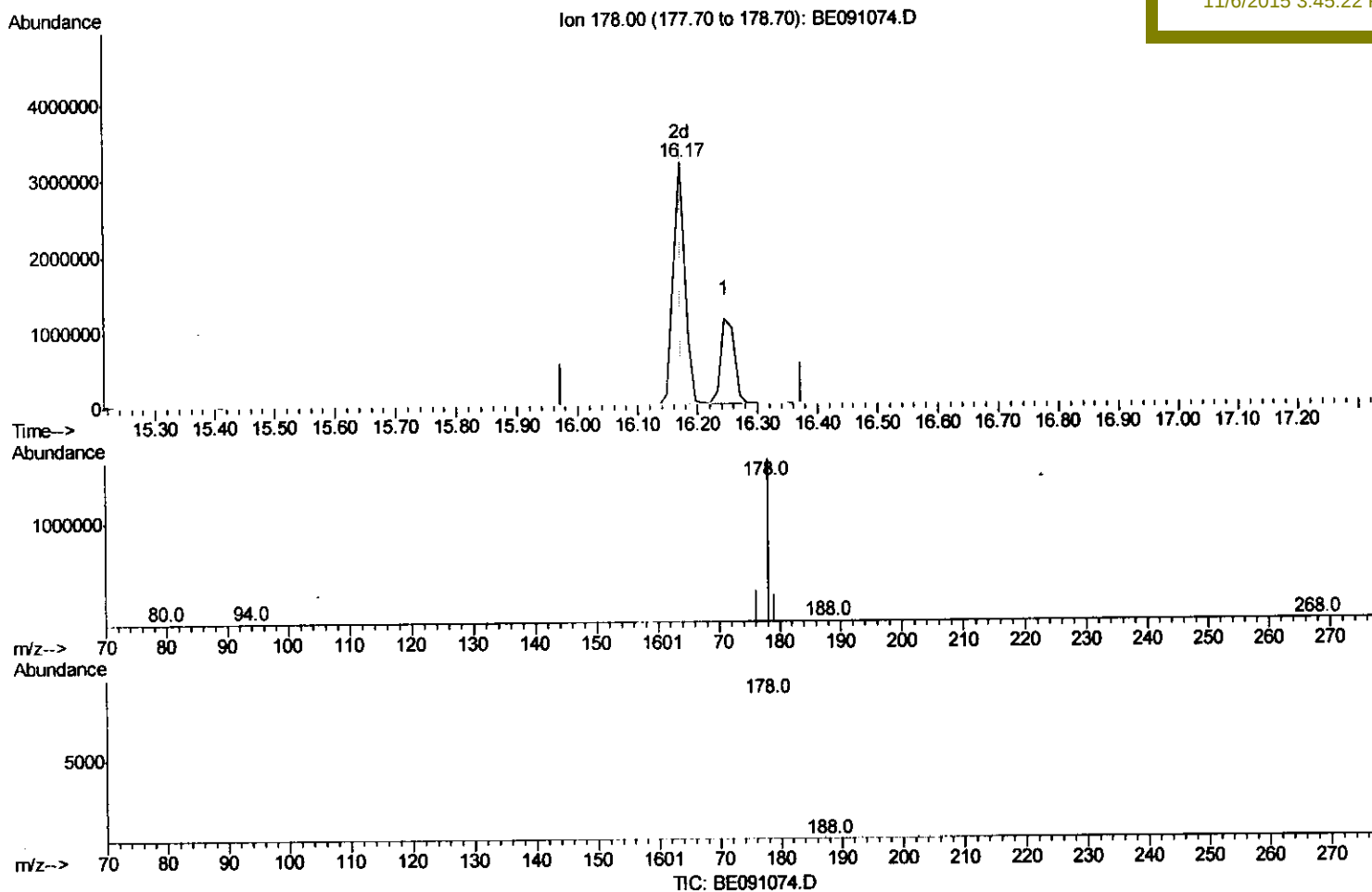
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
Data File : BE091074.D
Acq On : 5 Nov 2015 19:40
Operator : UM/NP
Sample : G4273-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AP7

Quant Time: Nov 06 06:38:03 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 06 05:41:57 2015
Response via : Initial Calibration

Manual Integrations
APPROVED

Mmdadoda
11/6/2015 3:45:22 PM



(14) Phenanthrene

16.172min (+0.000) 13.10ng/ul m

response 4381400

Ion	Exp%	Act%
178.00	100	100
176.00	20.30	19.03
179.00	16.00	16.55
0.00	0.00	0.00

Quantitation Report (Qedit)

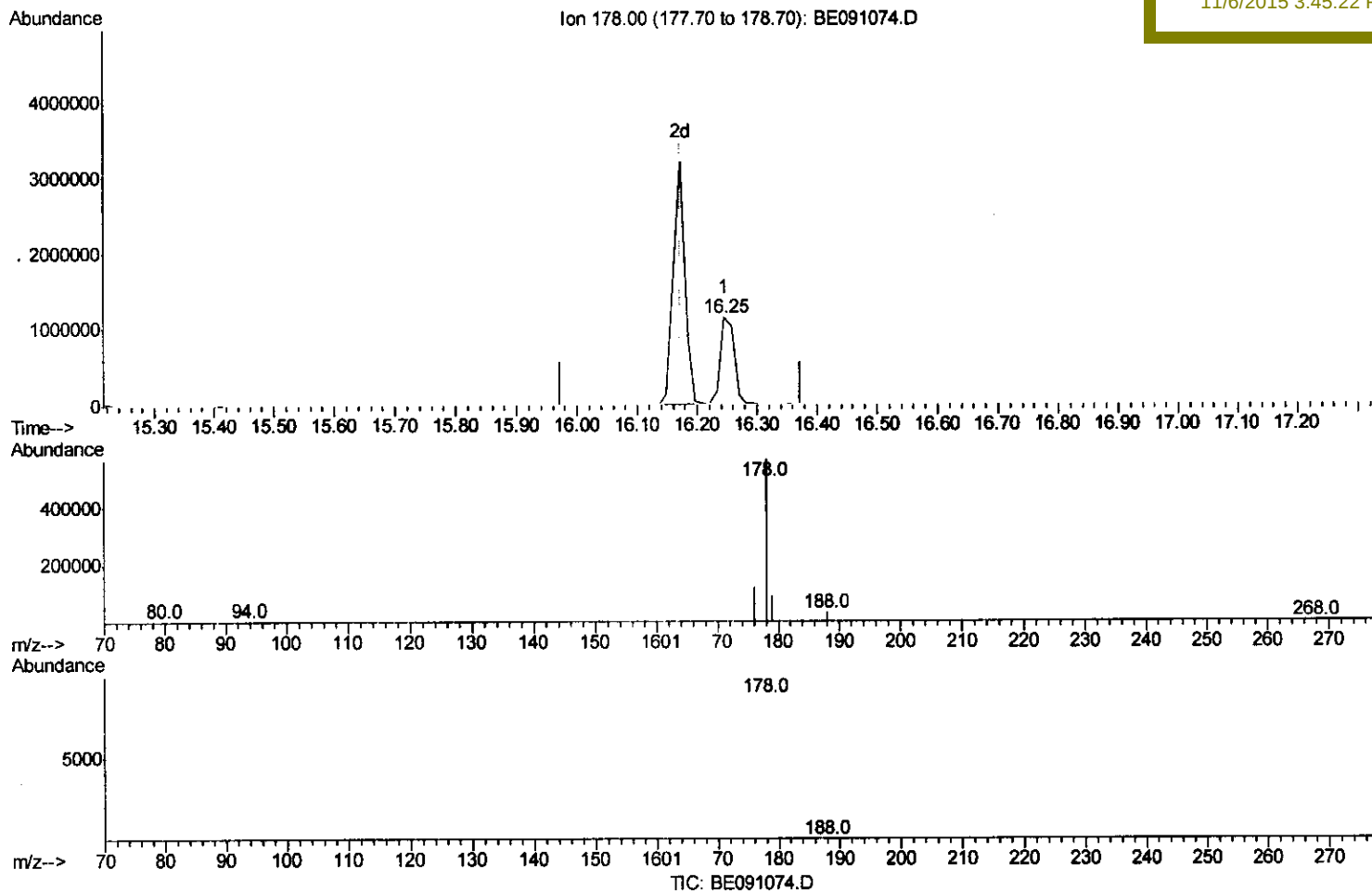
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091074.D
 Acq On : 5 Nov 2015 19:40
 Operator : UM/NP
 Sample : G4273-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP7

Quant Time: Nov 06 06:38:03 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 06 05:41:57 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Mmdadoda
 11/6/2015 3:45:22 PM



(14) Phenanthrene

16.245min (+0.073) 5.36ng/ui

response 1791949

Ion	Exp%	Act%
178.00	100	100
176.00	20.30	21.17
179.00	16.00	15.46
0.00	0.00	0.00

Quantitation Report (Qedit)

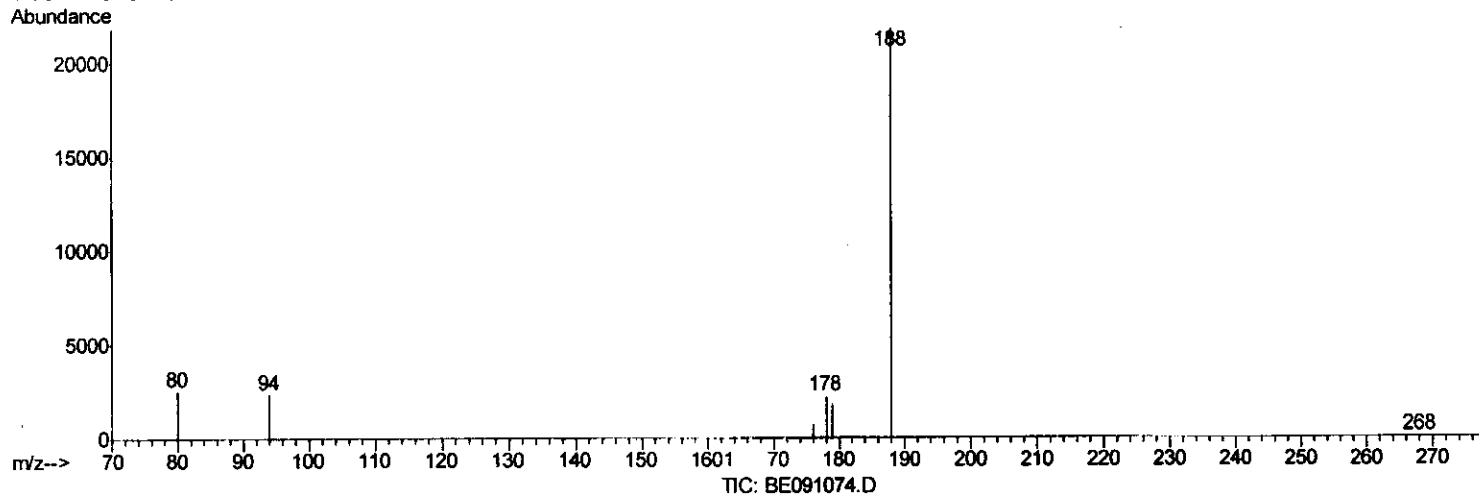
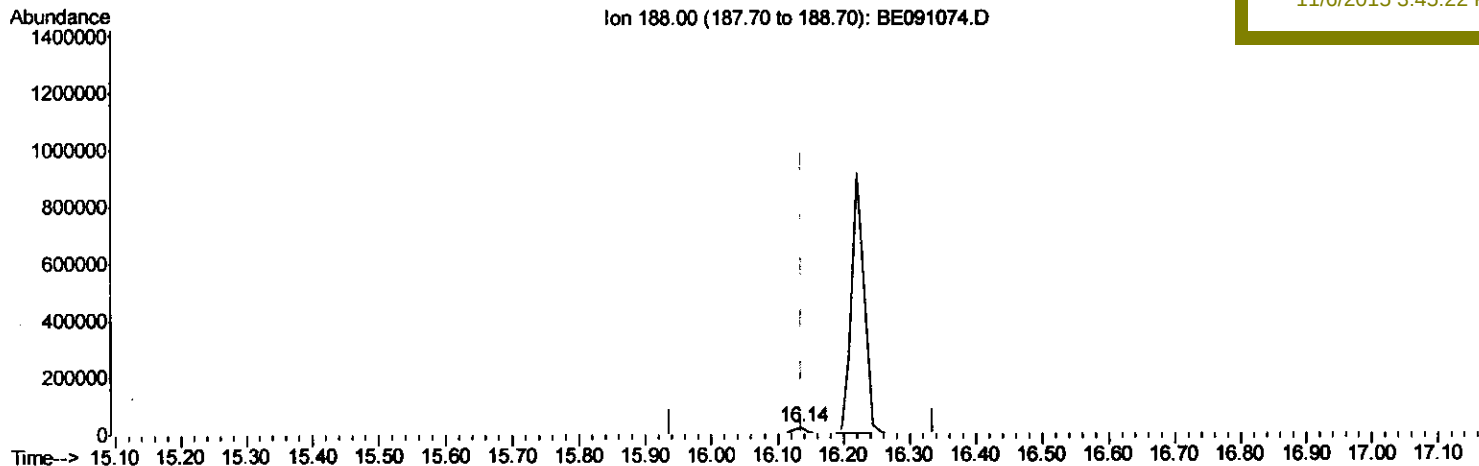
Data Path : V:\HPCHEM1\BNA E\Data\BE110515\
 Data File : BE091074.D
 Acq On : 5 Nov 2015 19:40
 Operator : UM/NP
 Sample : G4273-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP7

Quant Time: Nov 06 06:40:52 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 06 05:41:57 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Mmdadoda
 11/6/2015 3:45:22 PM



(12) Phenanthrene-d10 (I)

16.136min (+0.000) 0.40ng/ul m

response 28963

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	10.76
80.00	8.90	11.66#
0.00	0.00	0.00

Handwritten: U-21
 11 108 115

Quantitation Report (Qedit)

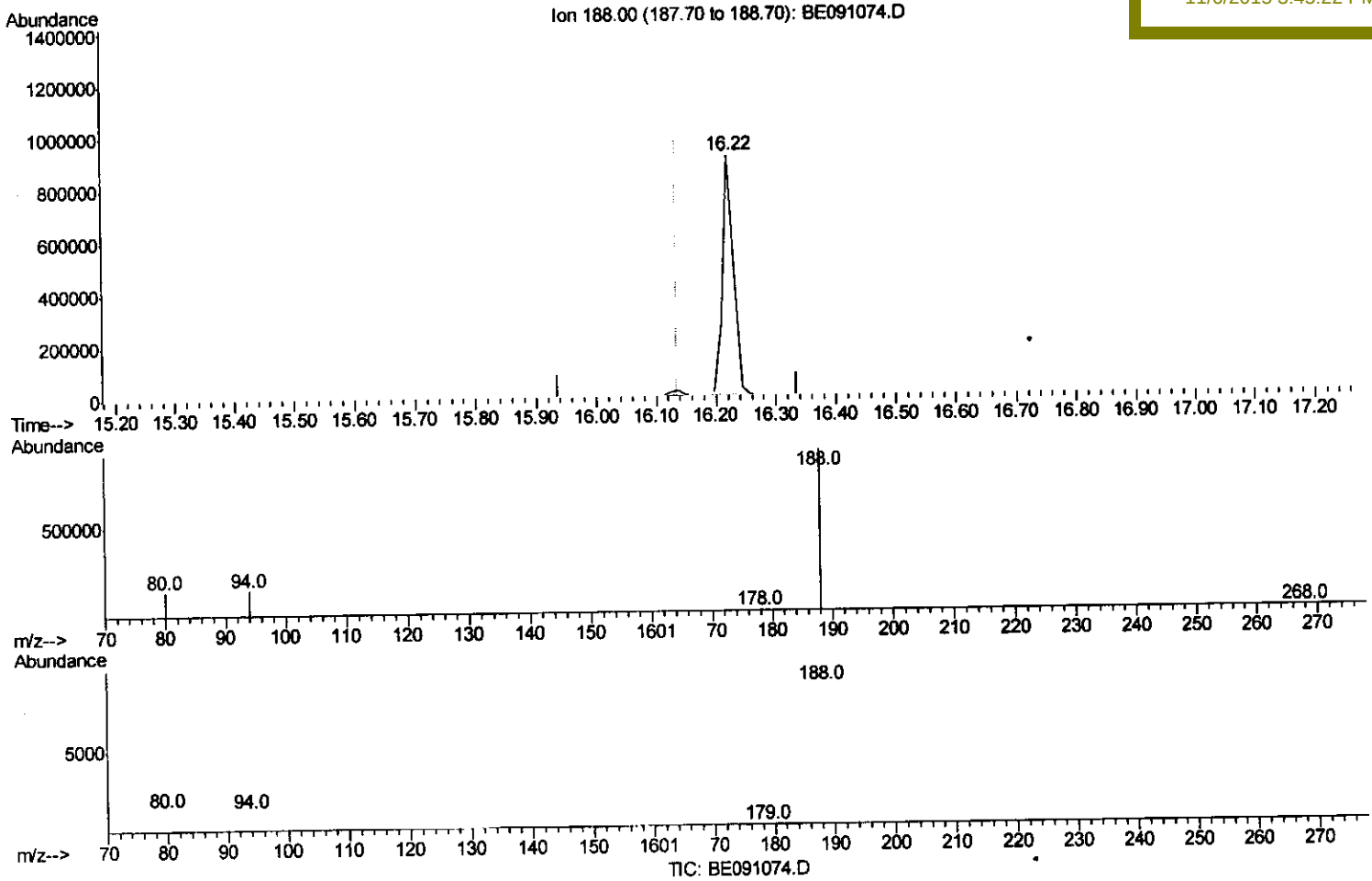
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
 Data File : BE091074.D
 Acq On : 5 Nov 2015 19:40
 Operator : UM/NP
 Sample : G4273-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AP7

Quant Time: Nov 06 05:45:14 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 06 05:41:57 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Mmdadoda
 11/6/2015 3:45:22 PM



(12) Phenanthrene-d10 (I)

16.221min (+0.085) 0.40ng/ul

response 1203622

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	15.57#
80.00	8.90	14.93#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110515\
Data File : BE091074.D
Acq On : 5 Nov 2015 19:40
Operator : UM/NP
Sample : G4273-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C0AP7

Quant Time: Nov 06 06:40:52 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 06 05:41:57 2015
Response via : Initial Calibration

Manual Integrations
APPROVED

Mmdadoda
11/6/2015 3:45:22 PM

