

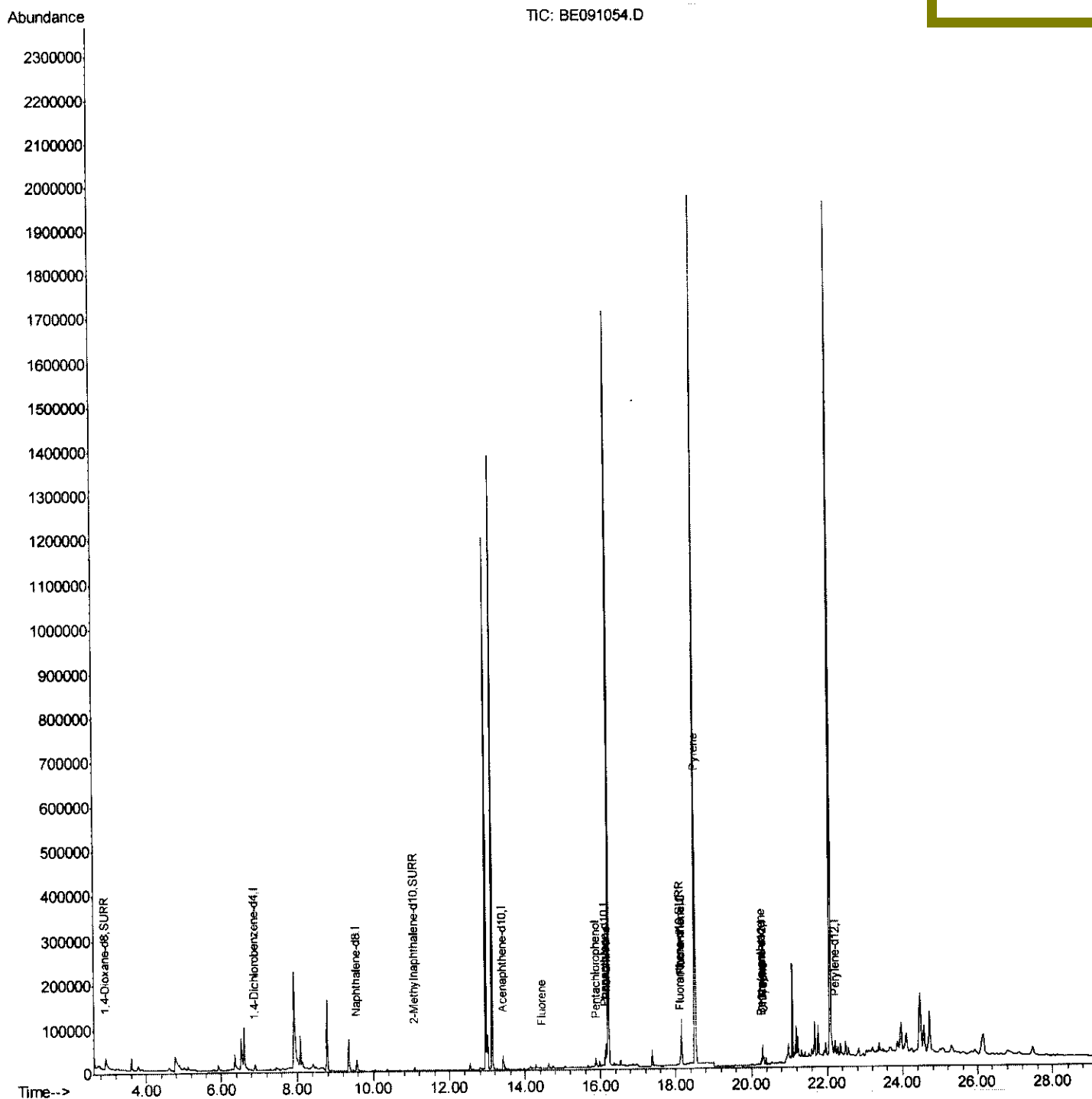
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102715\
Data File : BE091054.D
Acq On : 27 Oct 2015 18:23
Operator : UM/NP
Sample : G4075 04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
JG9J6

Quant Time: Oct 28 04:08:49 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 : Wed Oct 28 03:57:22 2015
Response via : Initial Calibration

Manual Integrations
APPROVED

MmDadoda
10/28/2015 6:36:50 PM



Quantitation Report (Qedit)

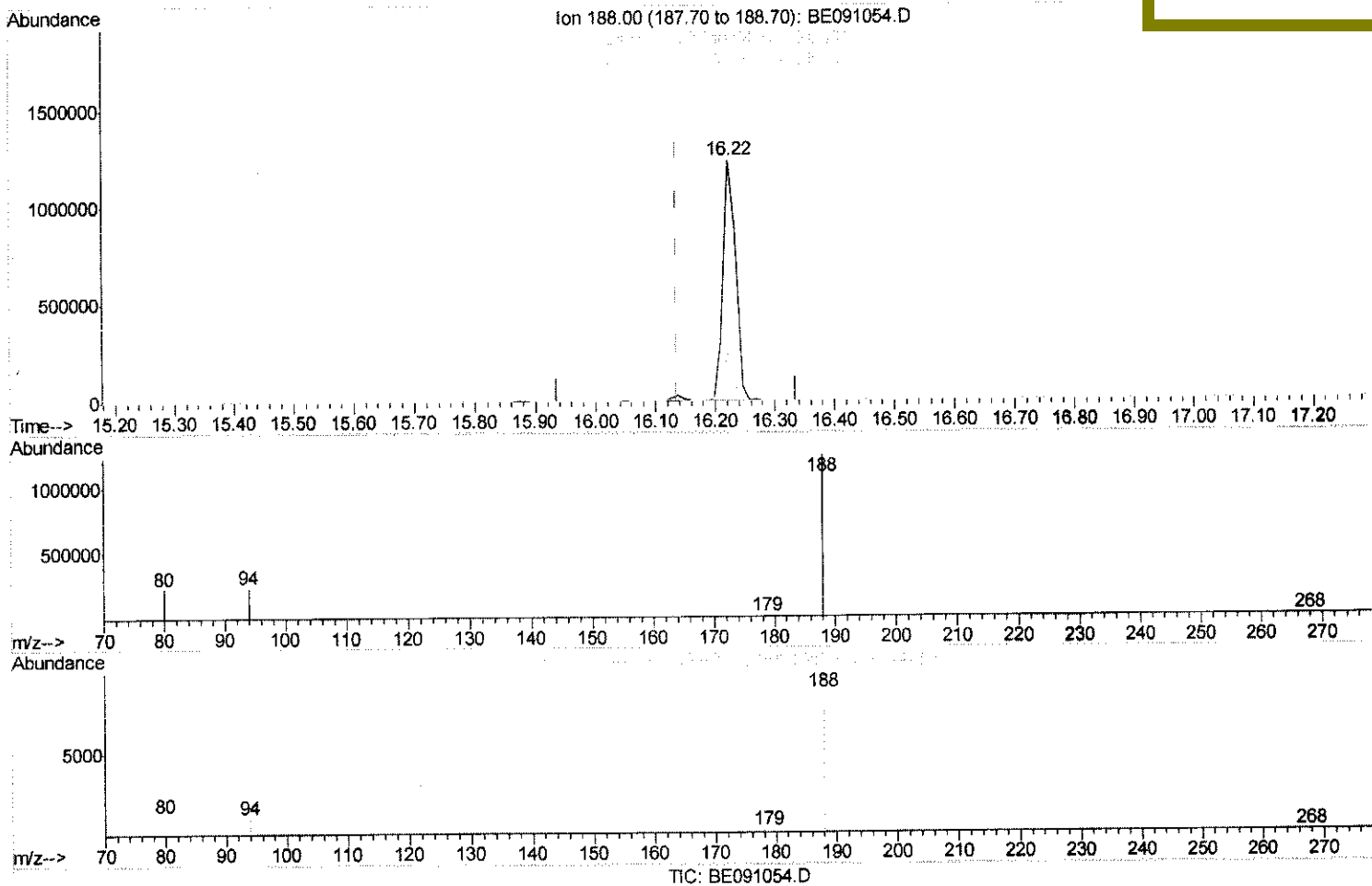
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102715\
 Data File : BE091054.D
 Acq On : 27 Oct 2015 18:23
 Operator : UM/NP
 Sample : G4075-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 JG9J6

Quant Time: Oct 28 03:59:59 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 : Wed Oct 28 03:57:22 2015
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Manual Integrations
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(12) Phenanthrene-d10 (I)

16.221min (+0.086) 0.40ng/ul

response 1823909

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	19.13#
80.00	8.90	18.35#
0.00	0.00	0.00

Quantitation Report (Qedit)

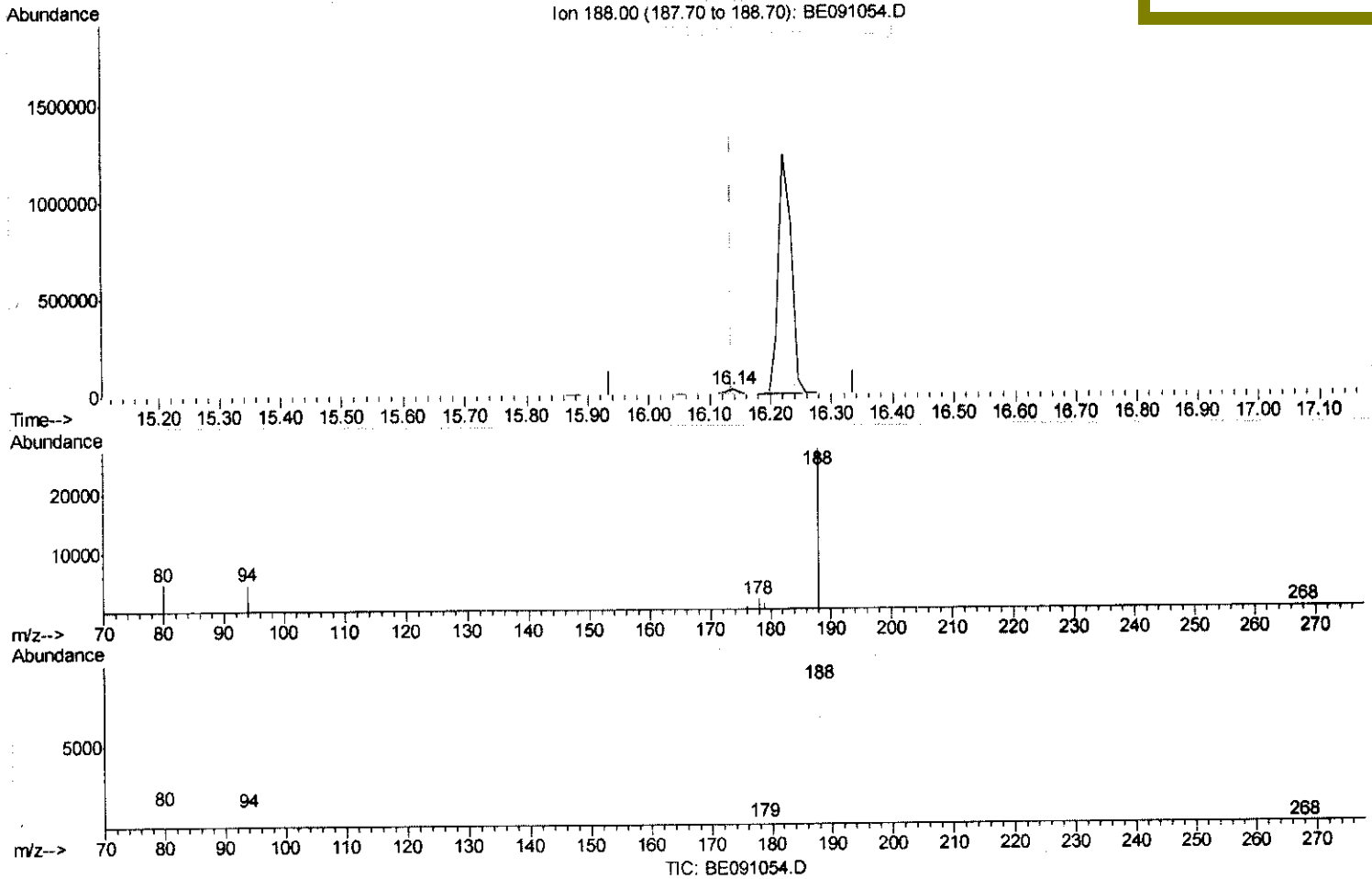
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102715\
 Data File : BE091054.D
 Acq On : 27 Oct 2015 18:23
 Operator : UM/NP
 Sample : G4075-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 JG9J6

Quant Time: Oct 28 03:59:59 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 : Wed Oct 28 03:57:22 2015
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Manual Integrations
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(12) Phenanthrene-d10 (I)

16.136min (+0.001) 0.40ng/ul m U.M

response 35859

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	16.90#
80.00	8.90	17.12#
0.00	0.00	0.00

10/29/15

Quantitation Report (Qedit)

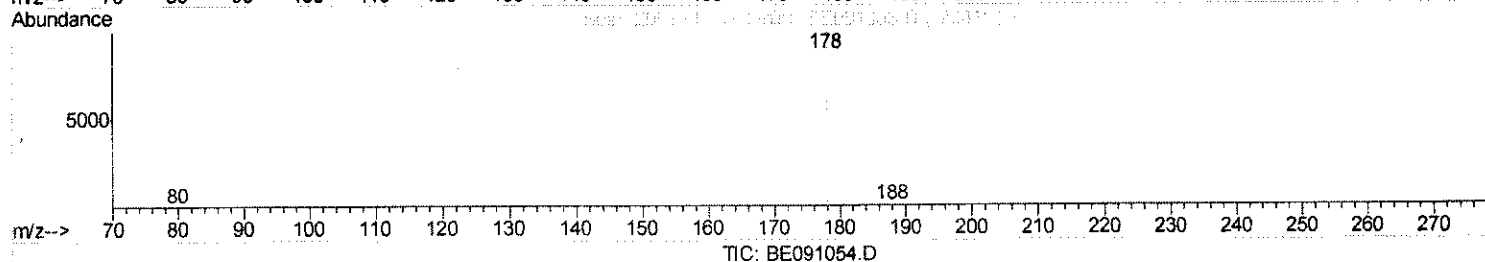
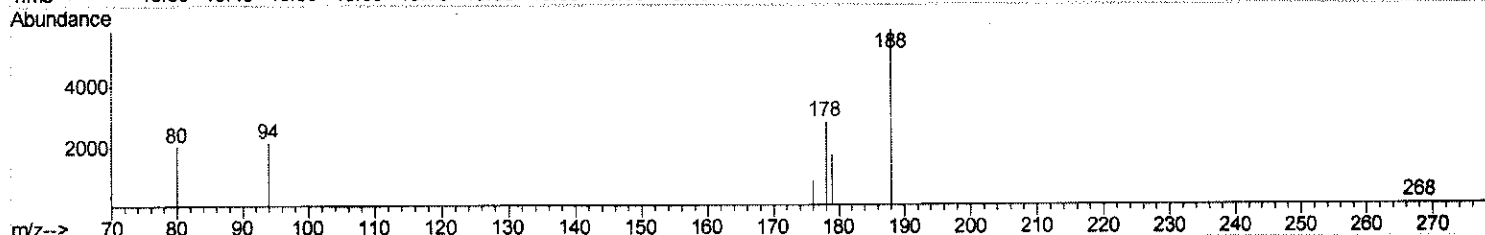
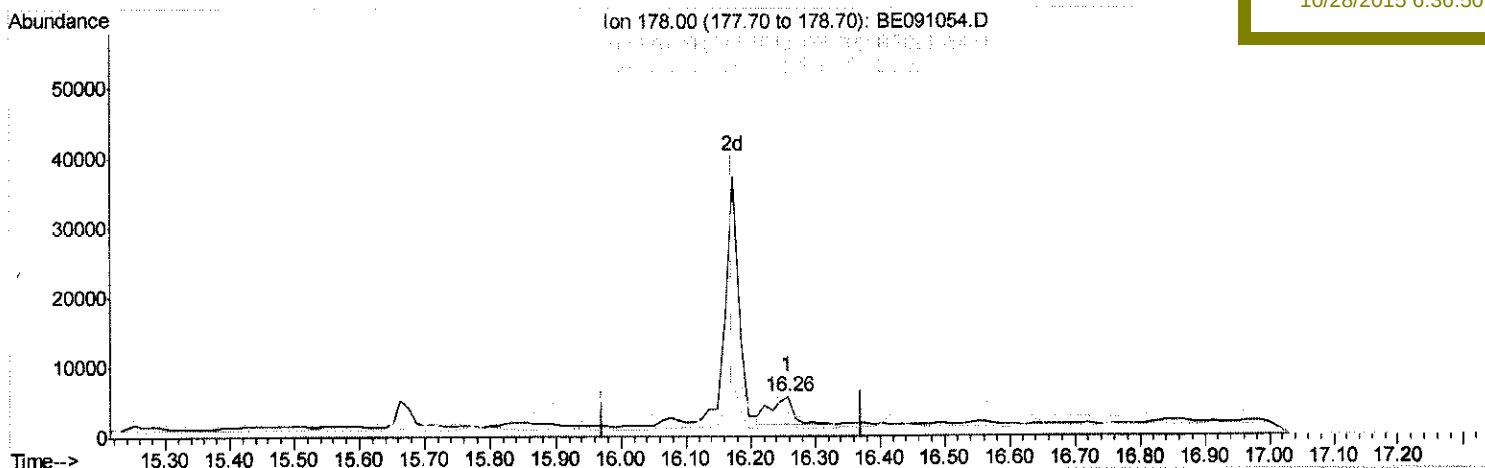
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102715\
 Data File : BE091054.D
 Acq On : 27 Oct 2015 18:23
 Operator : UM/NP
 Sample : G4075-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 JG9J6

Quant Time: Oct 28 04:02:35 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 : Wed Oct 28 03:57:22 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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(14) Phenanthrene

16.258min (+0.086) 0.02ng/ul

response 9321

Ion	Exp%	Act%
178.00	100	100
176.00	20.30	31.90#
179.00	16.00	61.76#
0.00	0.00	0.00

Quantitation Report (Qedit)

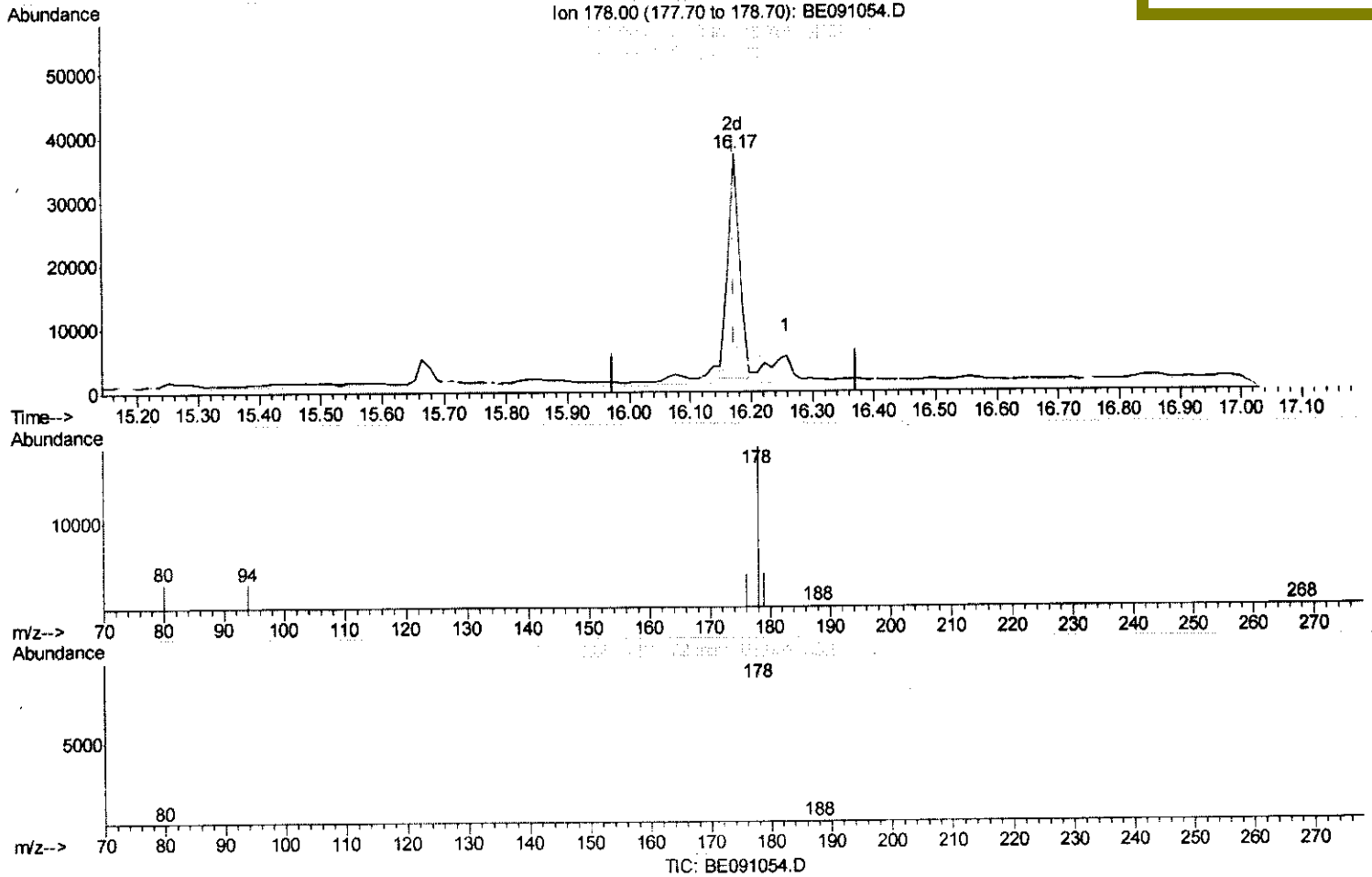
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102715\
 Data File : BE091054.D
 Acq On : 27 Oct 2015 18:23
 Operator : UM/NP
 Sample : G4075-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA E
 ClientSampleId :
 JG9J6

Quant Time: Oct 28 04:02:35 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 : Wed Oct 28 03:57:22 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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(14) Phenanthrene

16.173min (+0.001) 0.11ng/ul m U.M

response 46069

Ion	Exp%	Act%
178.00	100	100
176.00	20.30	21.58
179.00	16.00	21.73#
0.00	0.00	0.00

10/28/15

Quantitation Report (Qedit)

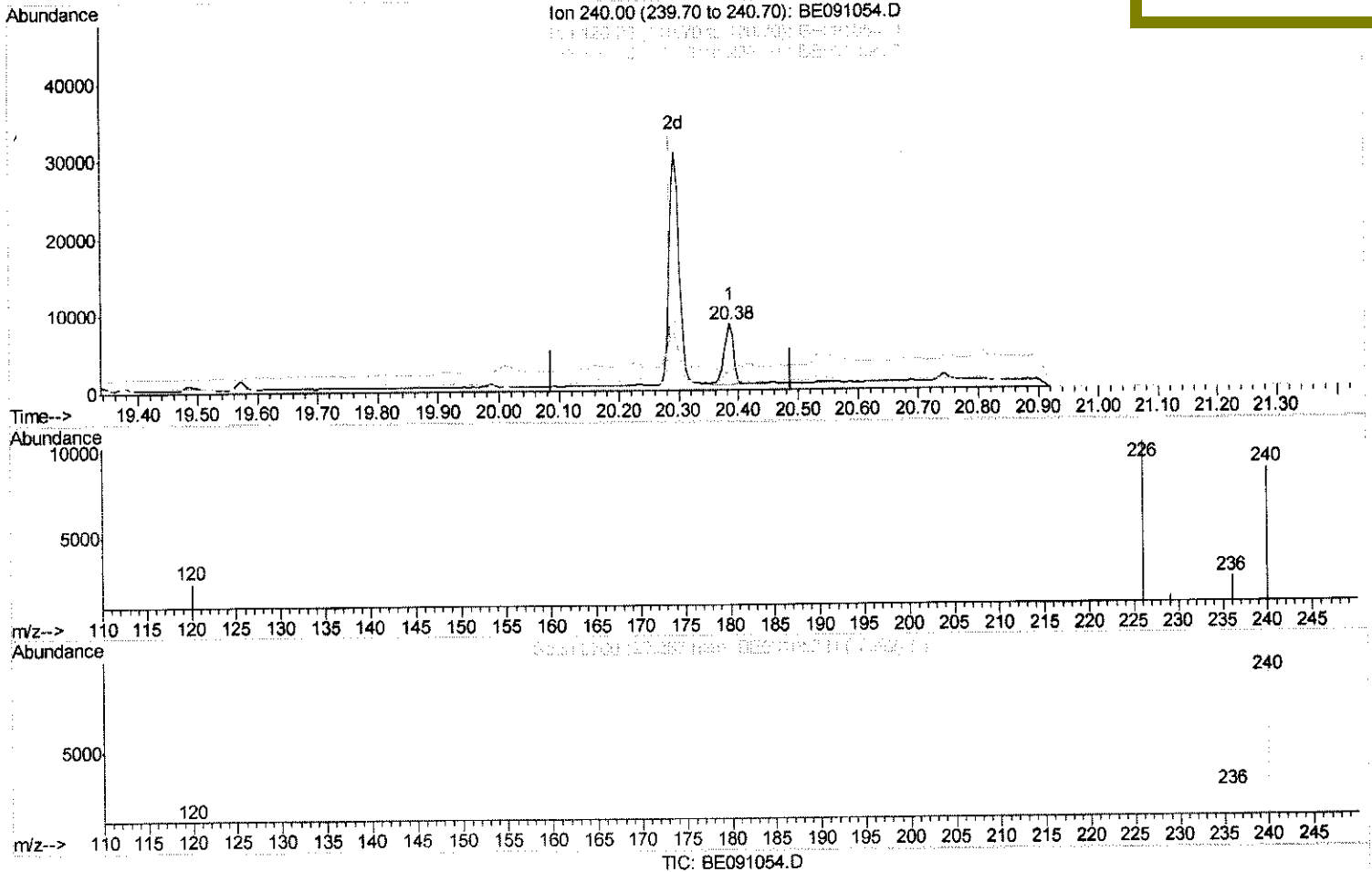
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102715\
 Data File : BE091054.D
 Acq On : 27 Oct 2015 18:23
 Operator : UM/NP
 Sample : G4075-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 JG9J6

Quant Time: Oct 28 04:02:35 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 : Wed Oct 28 03:57:22 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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(18) Chrysene-d12 (I)

20.385min (+0.097) 0.40ng/ul

response 8377

Ion	Exp%	Act%
240.00	100	100
120.00	15.00	27.09#
236.00	30.00	27.41
0.00	0.00	0.00

Quantitation Report (Qedit)

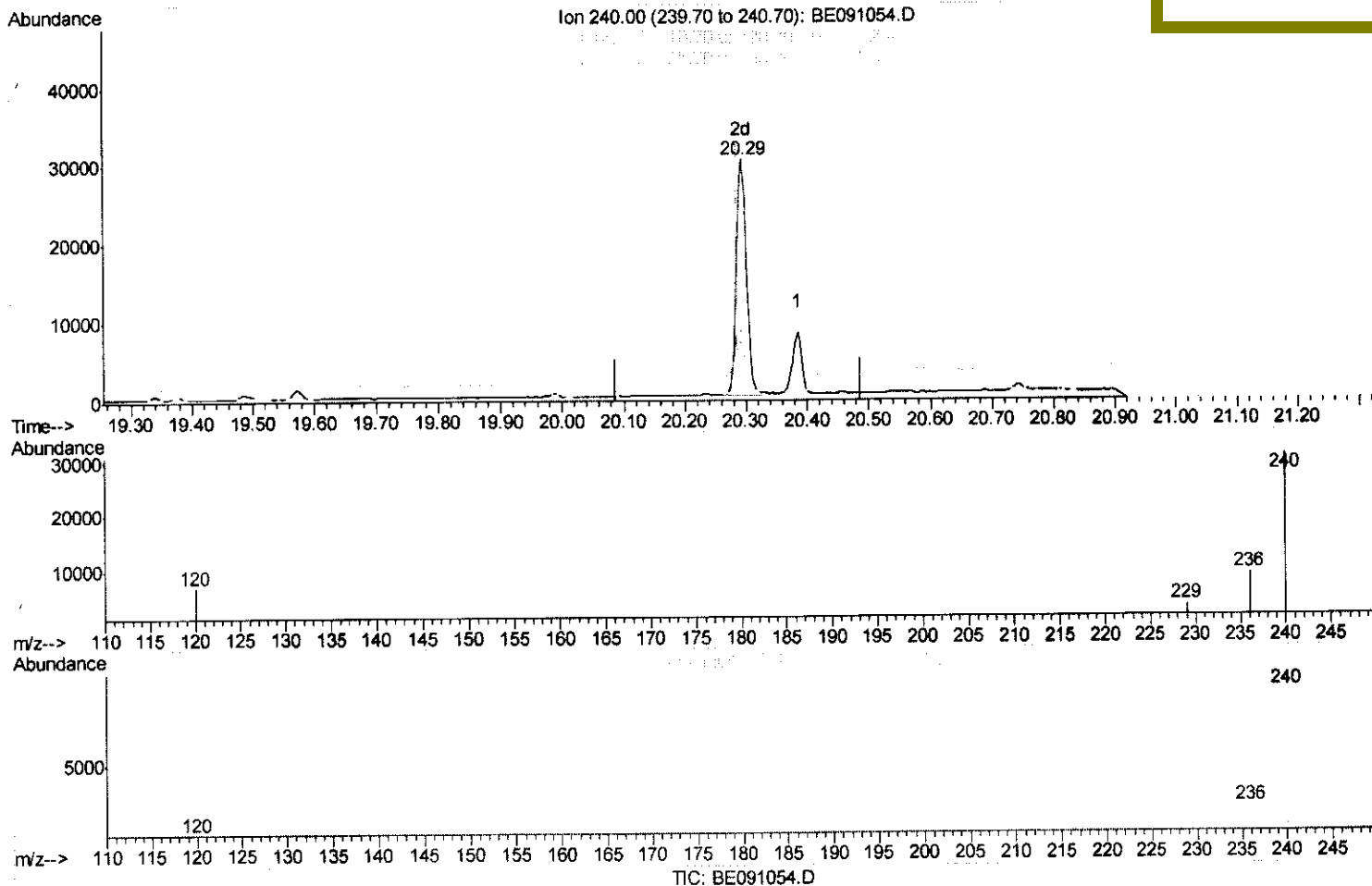
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102715\
 Data File : BE091054.D
 Acq On : 27 Oct 2015 18:23
 Operator : UM/NP
 Sample : G4075-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 JG9J6

Quant Time: Oct 28 04:02:35 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 : Wed Oct 28 03:57:22 2015
 Response via : Initial Calibration

Manual Integrations
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(18) Chrysene-d12 (I)

20.293min (+0.006) 0.40ng/ul m U.M
 response 34662 10/29/15

Ion	Exp%	Act%
240.00	100	100
120.00	15.00	22.79#
236.00	30.00	29.20
0.00	0.00	0.00

Quantitation Report (Qedit)

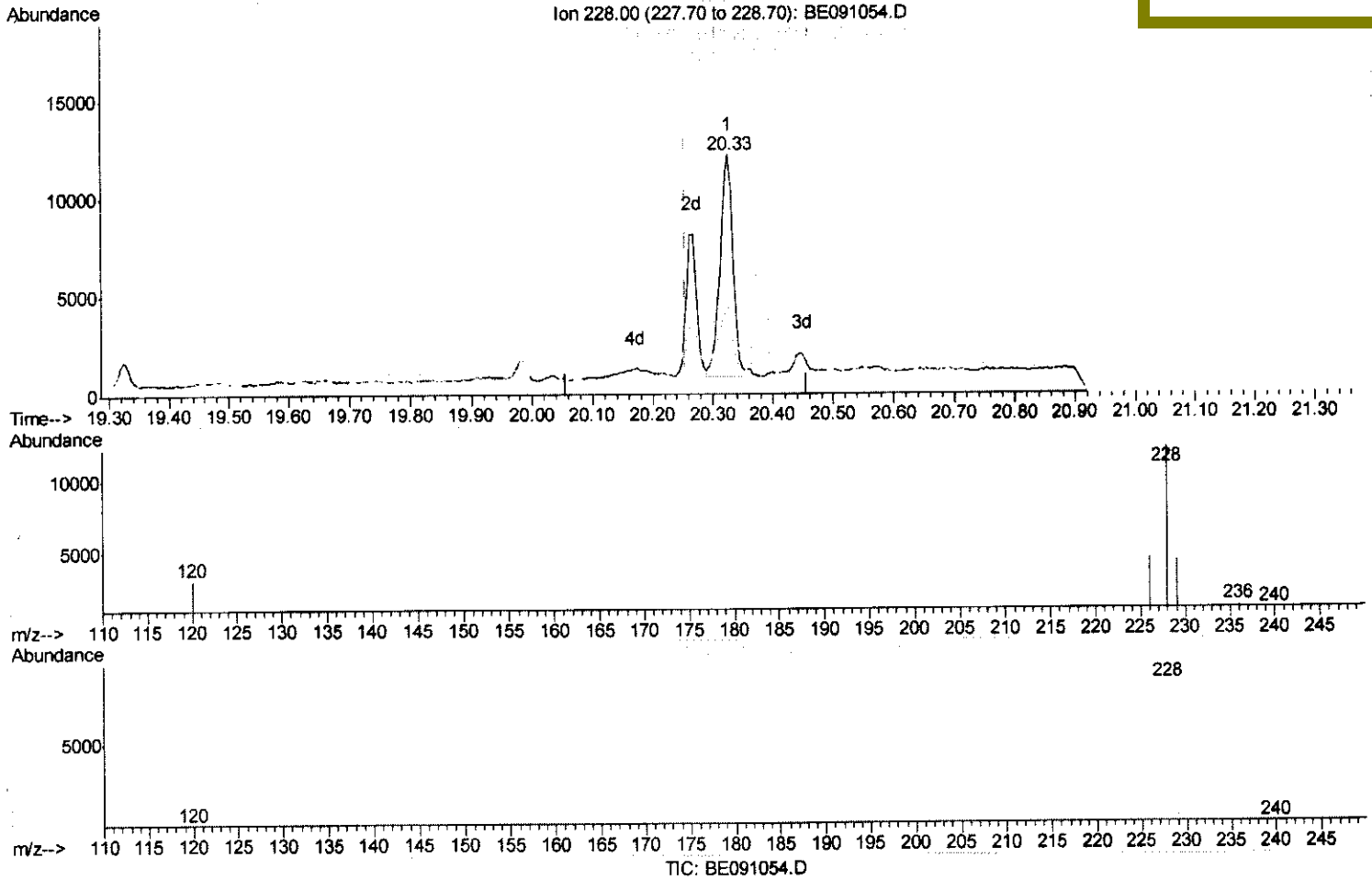
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102715\
 Data File : BE091054.D
 Acq On : 27 Oct 2015 18:23
 Operator : UM/NP
 Sample : G4075-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 JG9J6

Quant Time: Oct 28 04:04:47 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 : Wed Oct 28 03:57:22 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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(20) Benzo(a)anthracene

20.325min (+0.070) 0.19ng/ul

response 16871

Ion	Exp%	Act%
228.00	100	100
226.00	28.70	36.38#
229.00	19.00	35.49#
0.00	0.00	0.00

Quantitation Report (Qedit)

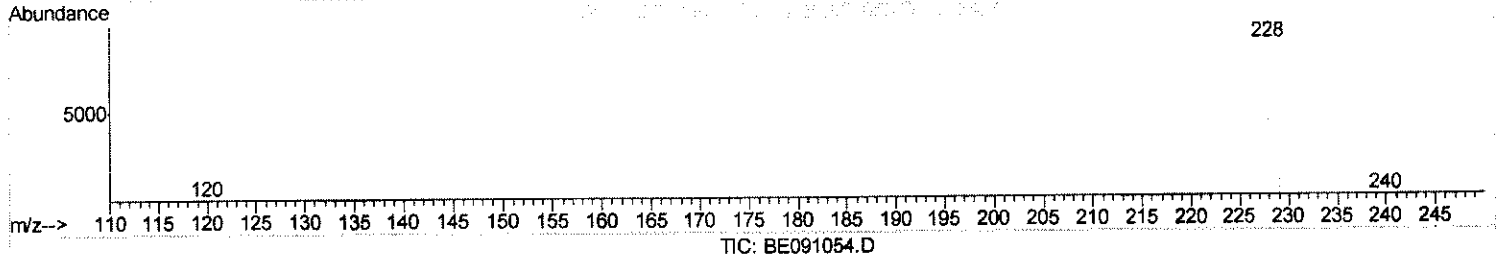
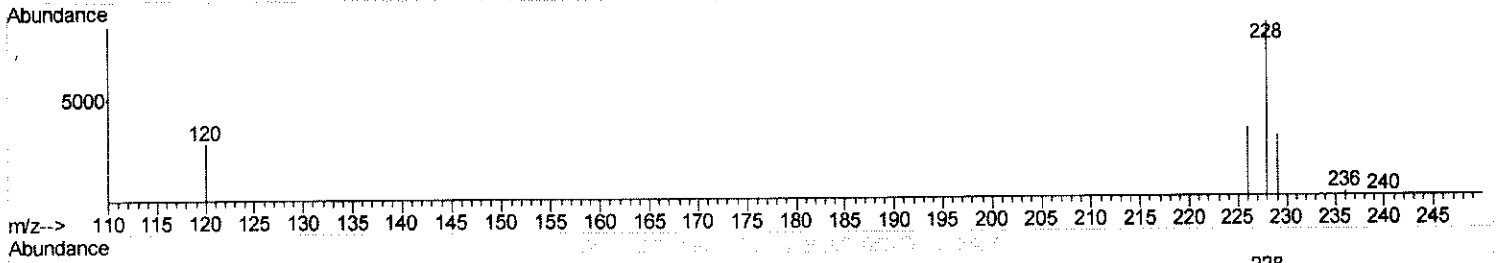
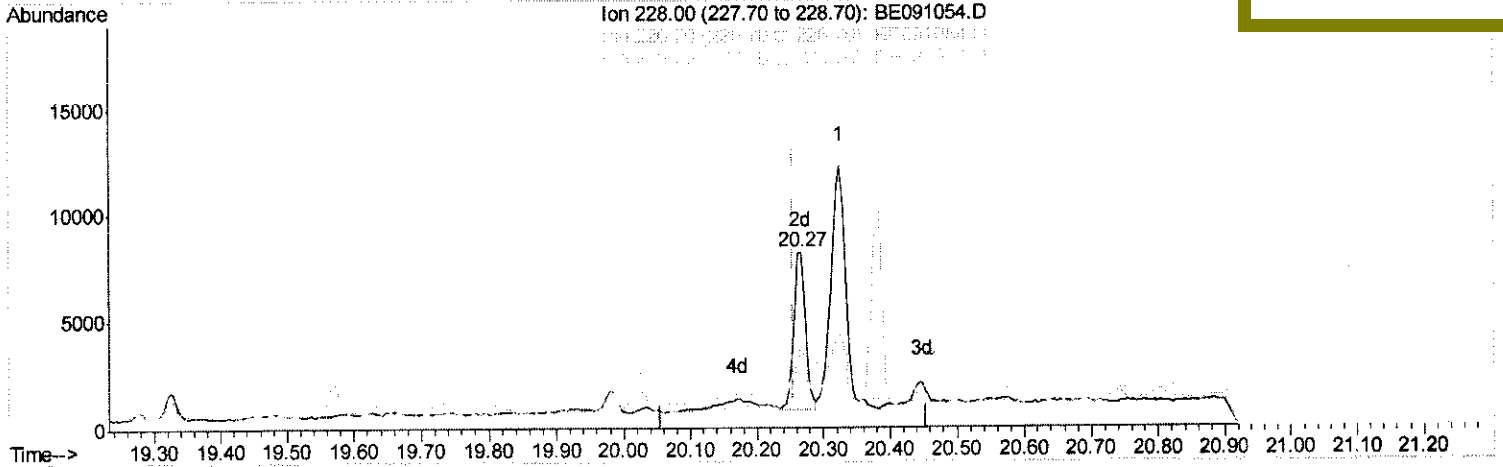
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102715\
 Data File : BE091054.D
 Acq On : 27 Oct 2015 18:23
 Operator : UM/NP
 Sample : G4075-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 JG9J6

Quant Time: Oct 28 04:04:47 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 : Wed Oct 28 03:57:22 2015
 Response via : Initial Calibration

Manual Integrations
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(20) Benzo(a)anthracene

20.266min (+0.011) 0.10ng/ul m U M
 response 8995 10/29/15

Ion	Exp%	Act%
228.00	100	100
226.00	28.70	44.93#
229.00	19.00	40.12#
0.00	0.00	0.00

Quantitation Report (Qedit)

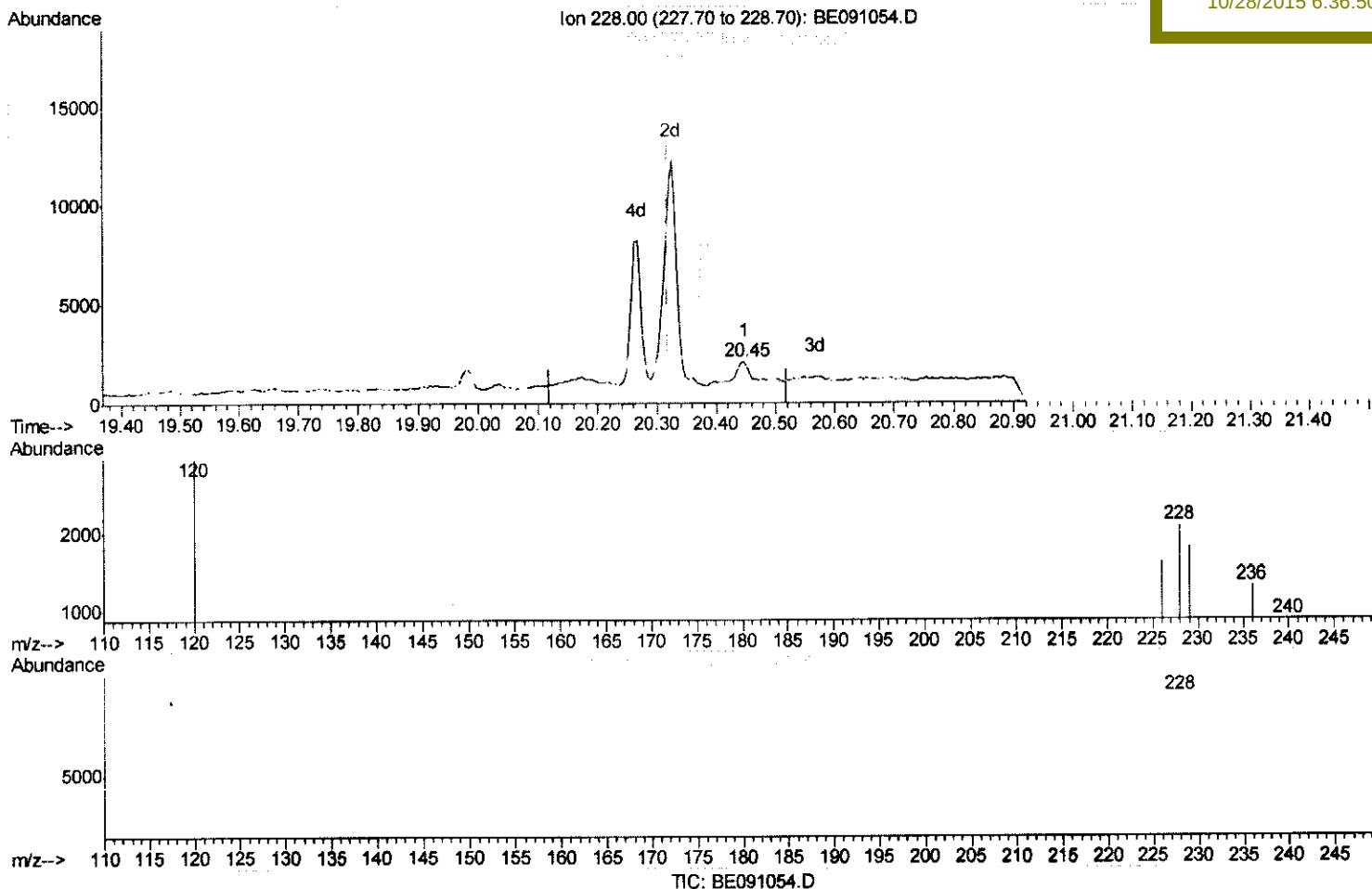
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102715\
Data File : BE091054.D
Acq On : 27 Oct 2015 18:23
Operator : UM/NP
Sample : G4075-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 28 04:04:47 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 : Wed Oct 28 03:57:22 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
JG9J6

Manual Integrations
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(21) Chrysene

20.448min (+0.129) 0.02ng/ul

response 1720

Ion	Exp%	Act%
228.00	100	100
226.00	32.10	77.49#
229.00	19.00	87.30#
0.00	0.00	0.00

Quantitation Report (Qedit)

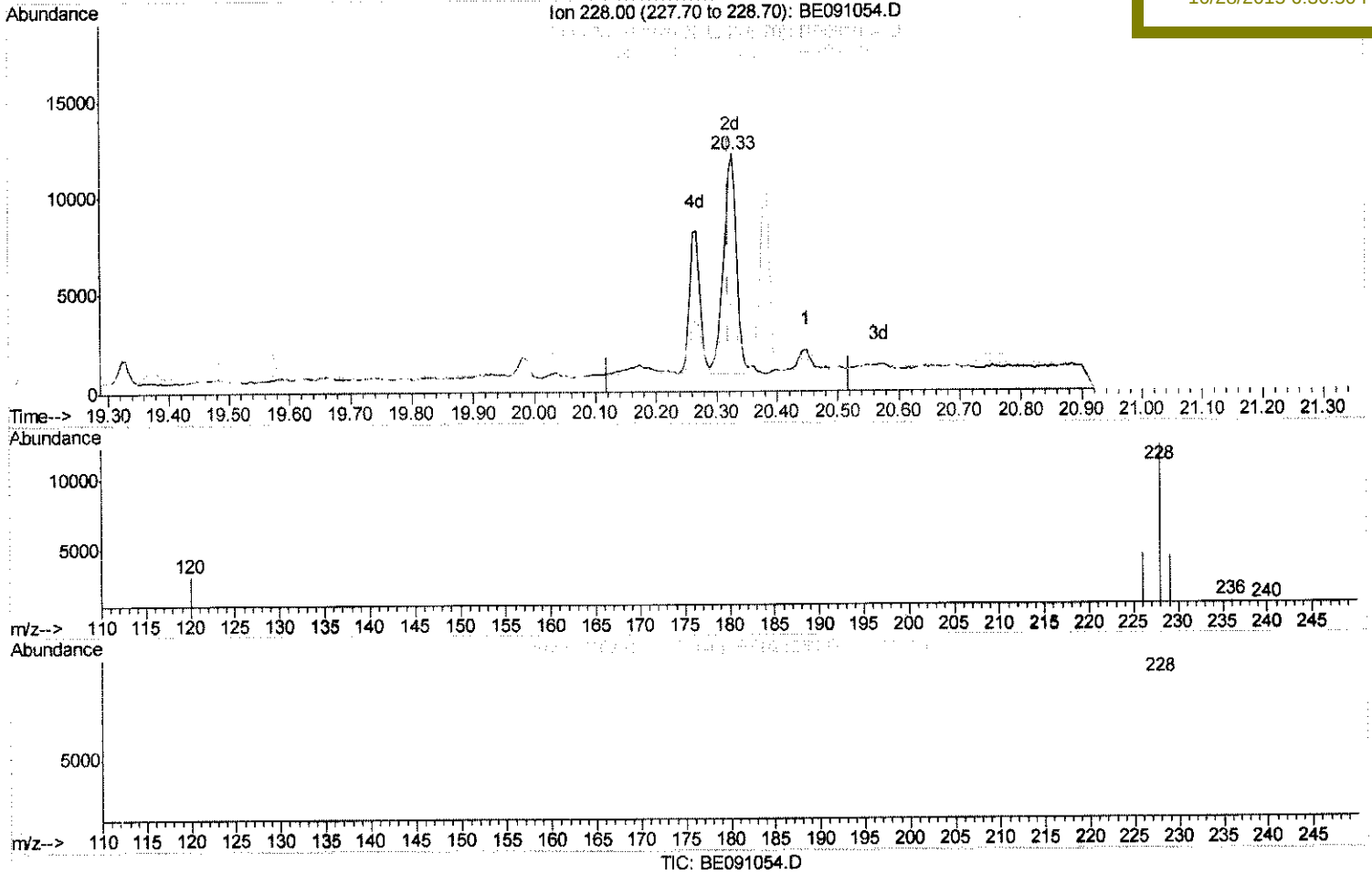
Data Path : Z:\HPCHEM1\BNA E\DATA\BE102715\
 Data File : BE091054.D
 Acq On : 27 Oct 2015 18:23
 Operator : UM/NP
 Sample : G4075-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 JG9J6

Quant Time: Oct 28 04:04:47 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 : Wed Oct 28 03:57:22 2015
 Response via : Initial Calibration

Manual Integrations
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(21) Chrysene

20.325min (+0.006) 0.16ng/ul m

response 16619

Ion	Exp%	Act%
228.00	100	100
226.00	32.10	36.38
229.00	19.00	35.49#
0.00	0.00	0.00

U.M
 10/29/15

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102715\
 Data File : BE091054.D
 Acq On : 27 Oct 2015 18:23
 Operator : UM/NP
 Sample : G4075-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 JG9J6

Quant Time: Oct 28 04:08:49 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 : Wed Oct 28 03:57:22 2015
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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	6116	0.40	ng/ul	-0.02
4) Naphthalene-d8	9.57	136	31802	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.41	164	17208	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.14	188	35859m	0.40	ng/ul	0.00
18) Chrysene-d12	20.29	240	34662m	0.40	ng/ul	0.00
22) Perylene-d12	22.20	264	41922	0.40	ng/ul	0.01

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 10/29/15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.92	96	26591	6.04	ng/uL	-0.07
6) 2-Methylnaphthalene-d10	11.07	152	10961	0.25	ng/ul	-0.02
16) Fluoranthene-d10	18.13	212	25256	0.25	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) Fluorene	14.45	166	544	0.01	ng/ul#	85
13) Pentachlorophenol	15.89	266	1357	0.40	ng/ul	95
14) Phenanthrene	16.17	178	46069m	0.11	ng/ul	
17) Fluoranthene	18.15	202	103190	0.21	ng/ul	89
19) Pyrene	18.54	202	108588	0.28	ng/ul#	74
20) Benzo(a)anthracene	20.27	228	8995m	0.10	ng/ul	
21) Chrysene	20.33	228	16619m	0.16	ng/ul	

U.M
 10/29/15

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