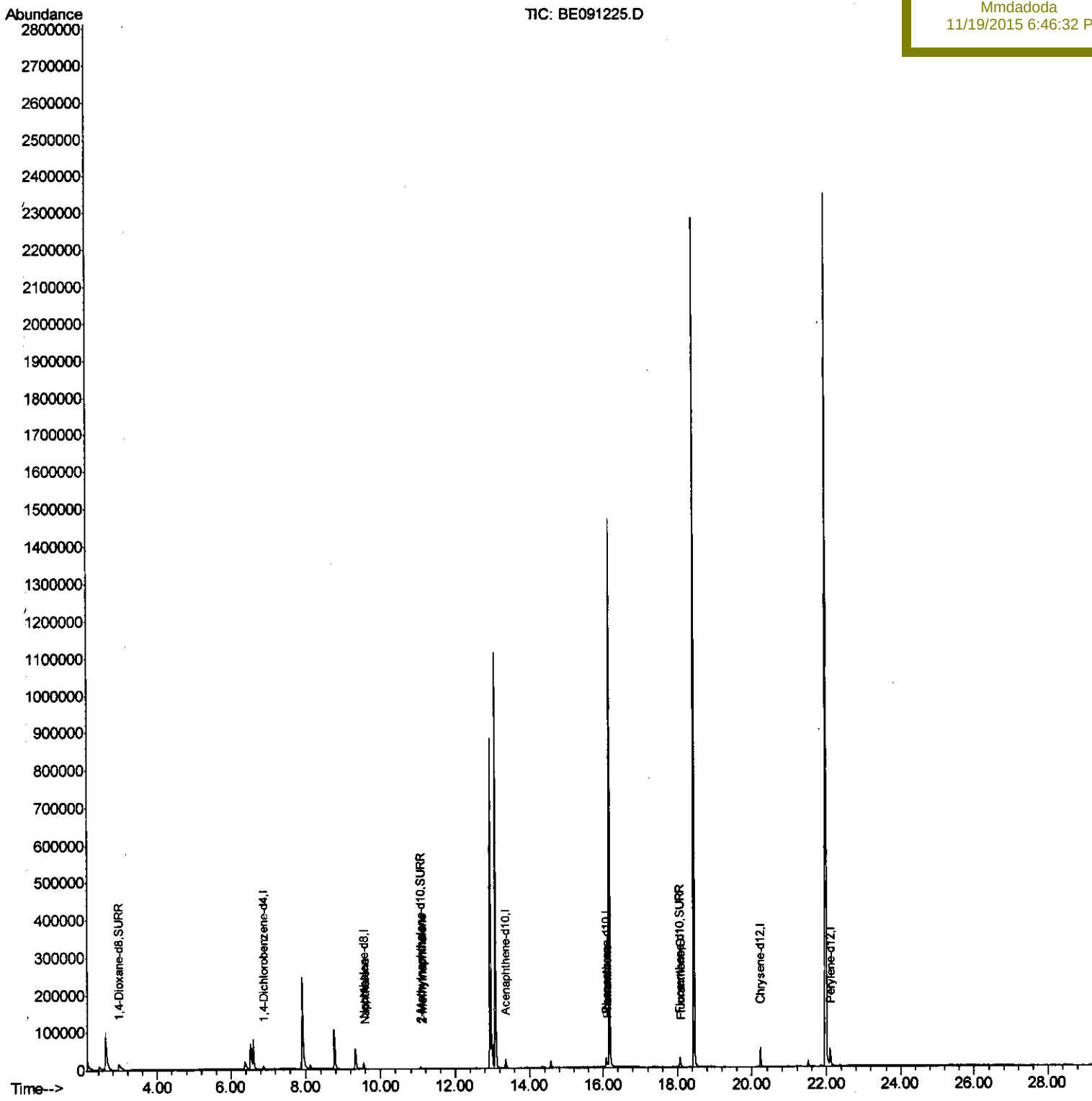
Data Path : Z:\HPCHEM1\BNA_E\Data\BE111815\
Data File : BE091225.D
Acq On : 18 Nov 2015 13:29
Operator : UM/NP
Sample : G4309-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 19 17:33:40 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 : Thu Nov 19 04:25:56 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KP4

Manual Integrations APPROVED
Mmdadoda
11/19/2015 6:46:32 PM

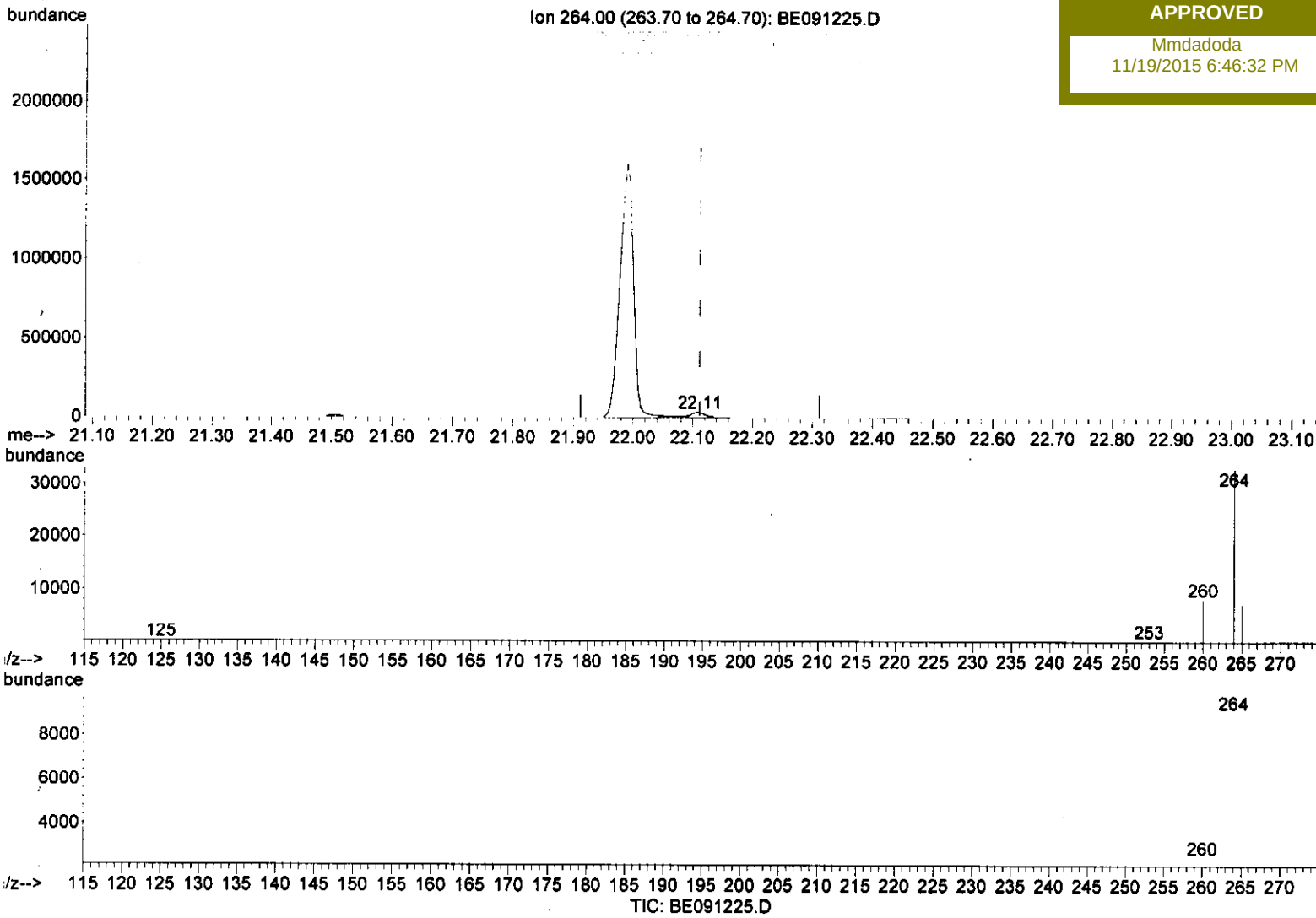


Data Path : Z:\HPCHEM1\BNA E\Data\BE111815\
Data File : BE091225.D
Acq On : 18 Nov 2015 13:29
Operator : UM/NP
Sample : G4309-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 19 05:41:08 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 : Thu Nov 19 04:25:56 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KP4

Manual Integrations APPROVED
Mmdadoda
11/19/2015 6:46:32 PM



(22) Perylene-d12 (I)

22.108min (-0.004) 0.40ng/ul m

response 40570

U.M 25/11/15

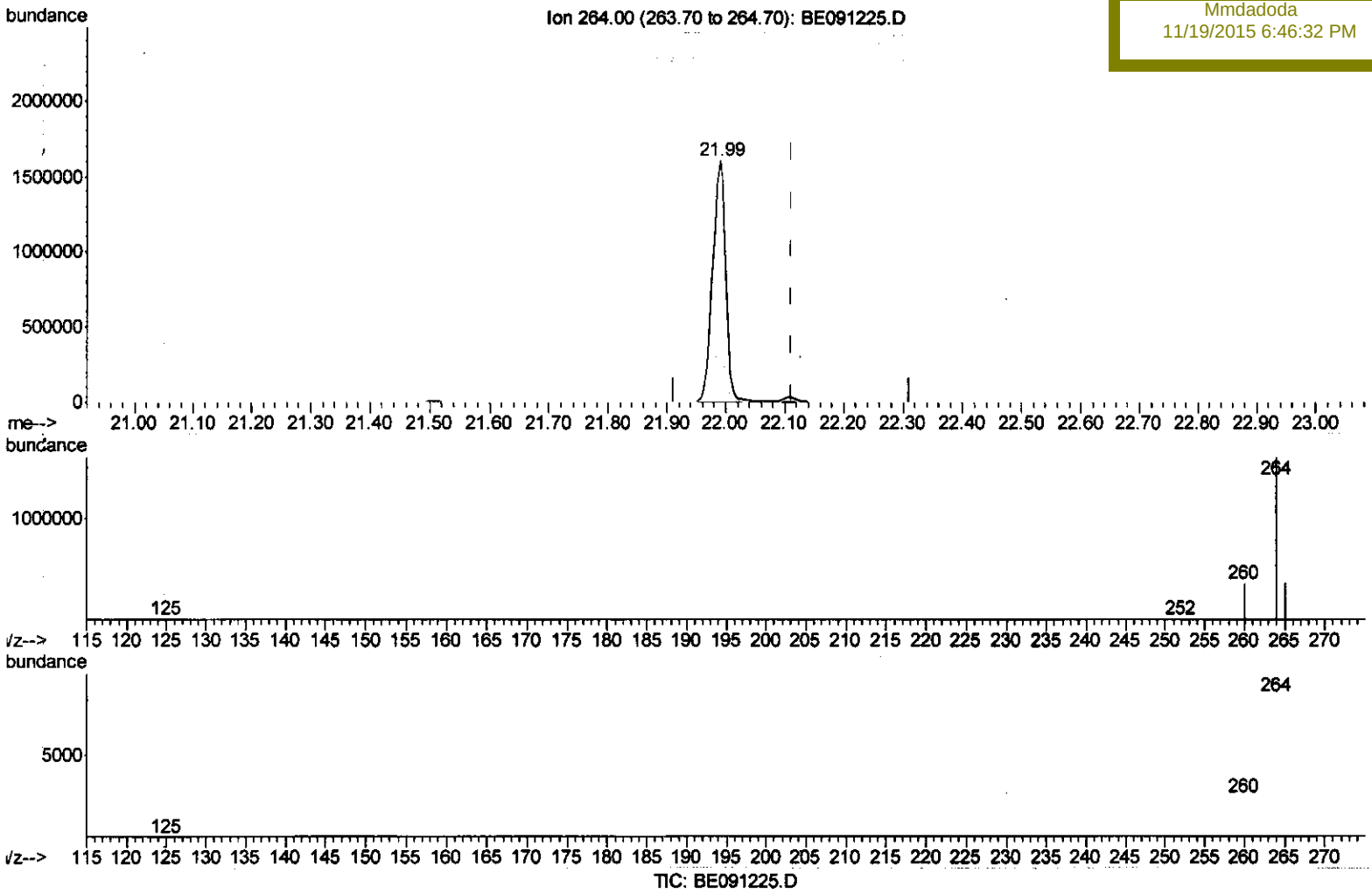
Ion	Exp%	Act%
264.00	100	100
260.00	28.90	25.04
265.00	34.70	21.97#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111815\
Data File : BE091225.D
Acq On : 18 Nov 2015 13:29
Operator : UM/NP
Sample : G4309-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 19 05:37:09 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 : Thu Nov 19 04:25:56 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KP4

Manual Integrations APPROVED
Mmdadoda
11/19/2015 6:46:32 PM



(22) Perylene-d12 (I)

21.990min (-0.122) 0.40ng/ul

response 2534646

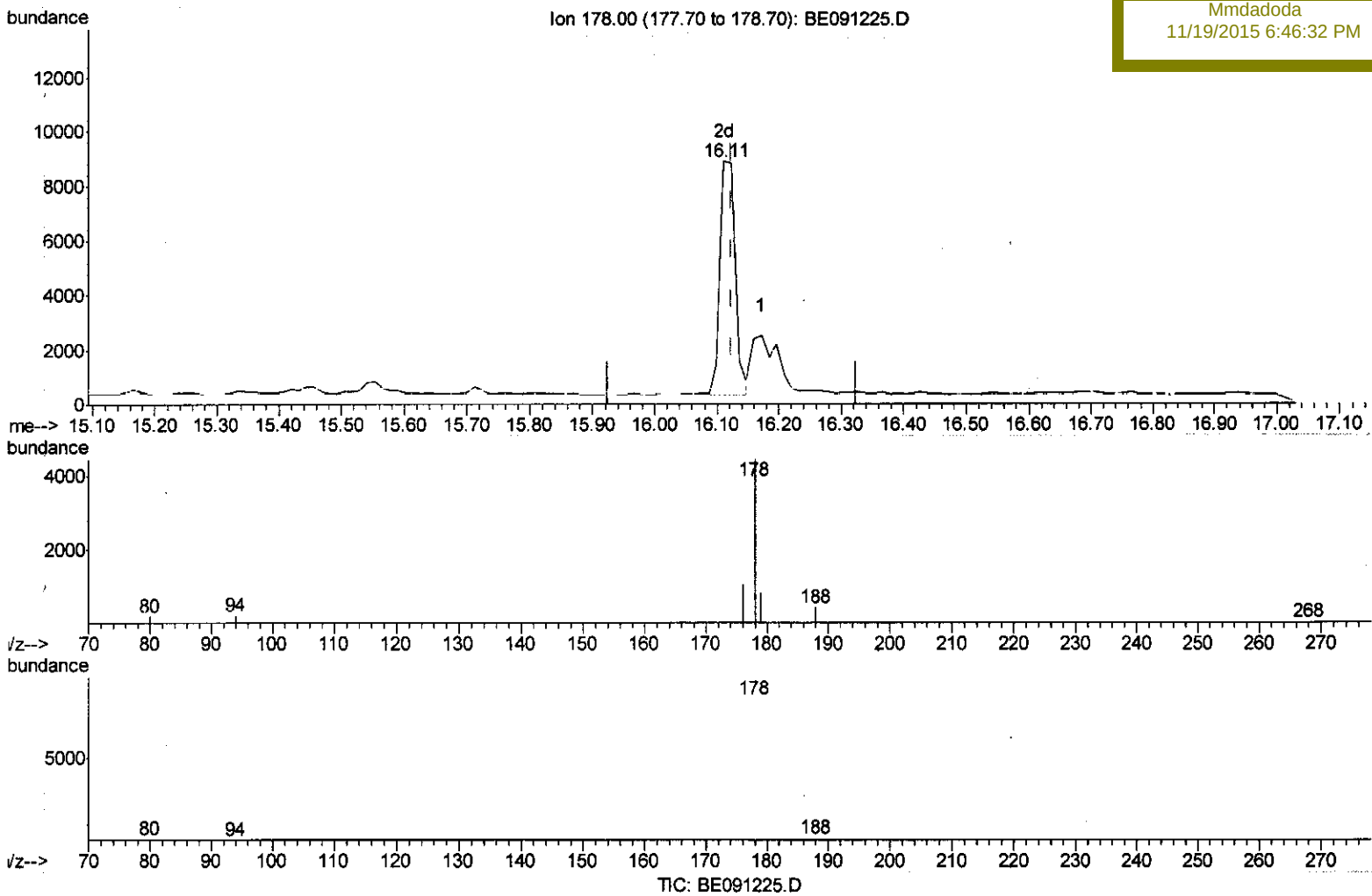
Ion	Exp%	Act%
264.00	100	100
260.00	28.90	22.29#
265.00	34.70	23.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111815\
Data File : BE091225.D
Acq On : 18 Nov 2015 13:29
Operator : UM/NP
Sample : G4309-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 19 05:37:09 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 : Thu Nov 19 04:25:56 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KP4

Manual Integrations APPROVED
Mmdadoda
11/19/2015 6:46:32 PM



(14) Phenanthrene

16.112min (-0.013) 0.04ng/ul m > U.M 25/11/15

response 14597

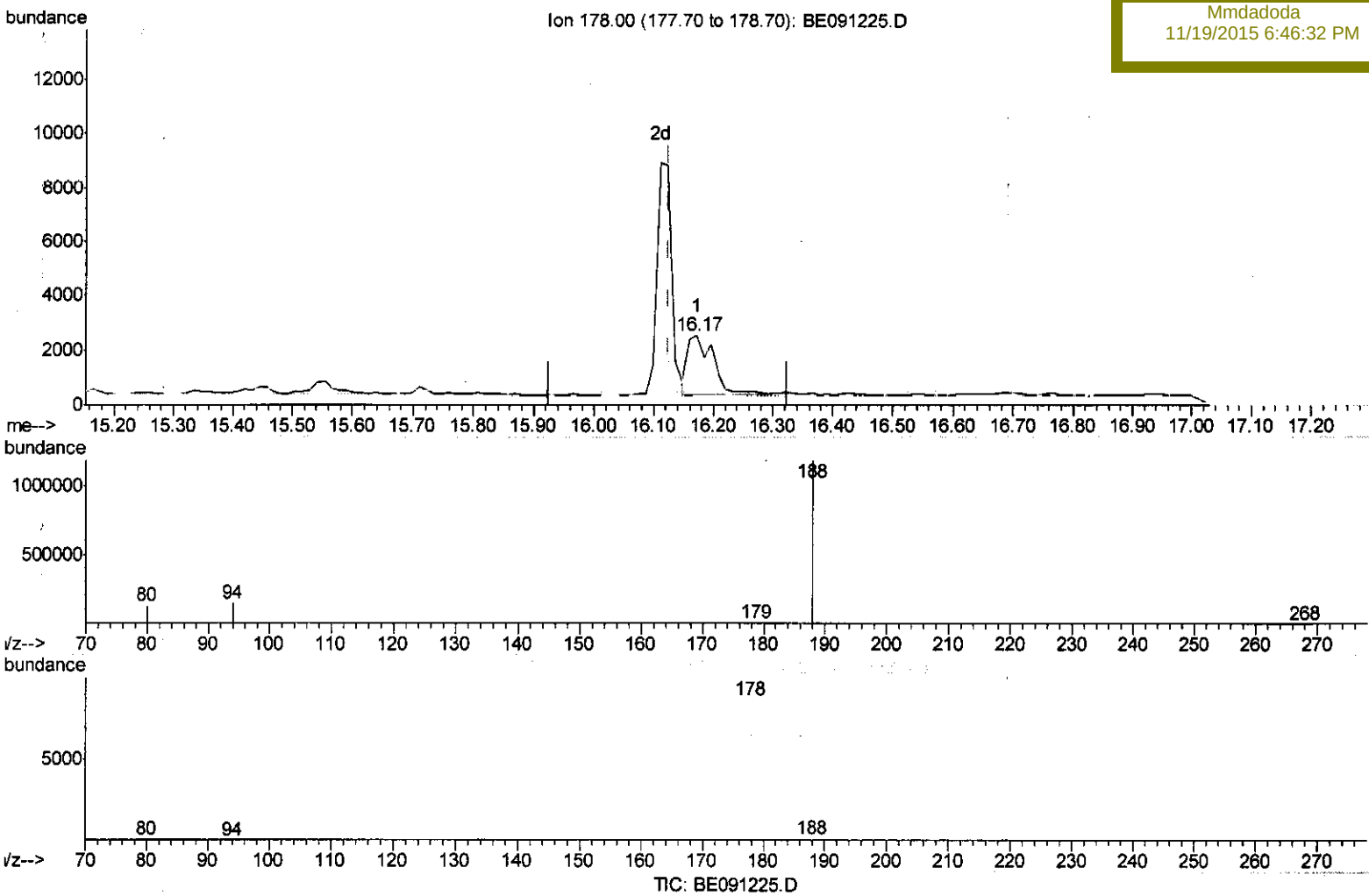
Ion	Exp%	Act%
178.00	100	100
176.00	20.30	24.34
179.00	16.00	19.22#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111815\
Data File : BE091225.D
Acq On : 18 Nov 2015 13:29
Operator : UM/NP
Sample : G4309-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 19 05:37:09 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 : Thu Nov 19 04:25:56 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KP4

Manual Integrations APPROVED
Mmdadoda
11/19/2015 6:46:32 PM



TIC: BE091225.D

(14) Phenanthrene

16.172min (+0.047) 0.02ng/ul

response 6178

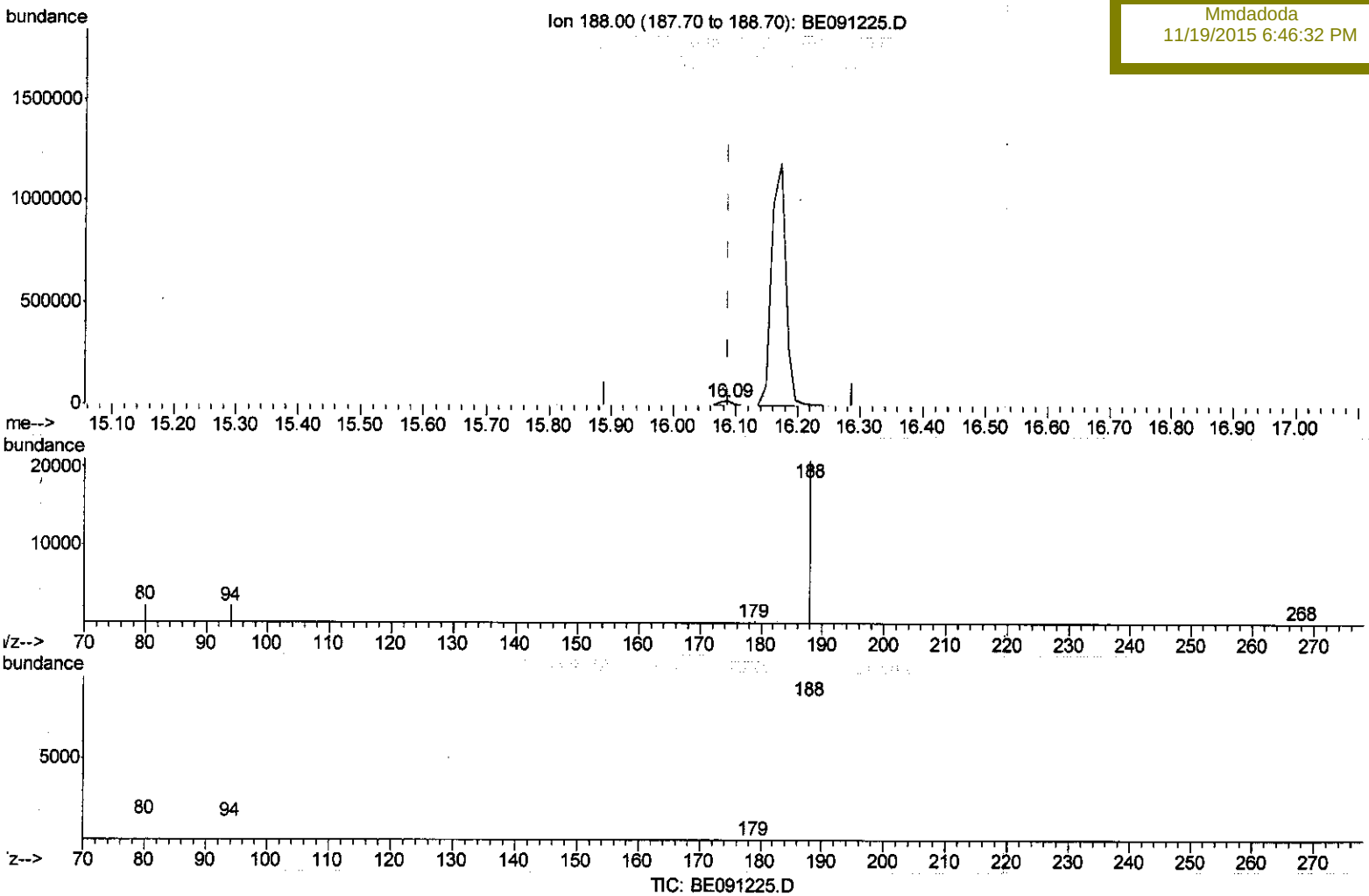
Ion	Exp%	Act%
178.00	100	100
176.00	20.30	20.73
179.00	16.00	297.07#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111815\
Data File : BE091225.D
Acq On : 18 Nov 2015 13:29
Operator : UM/NP
Sample : G4309-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 19 04:28:36 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 : Thu Nov 19 04:25:56 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KP4

Manual Integrations APPROVED
Mmdadoda
11/19/2015 6:46:32 PM



(12) Phenanthrene-d10 (I)

16.083min (-0.001) 0.40ng/ul m > U.M 25/11/15

response 29926

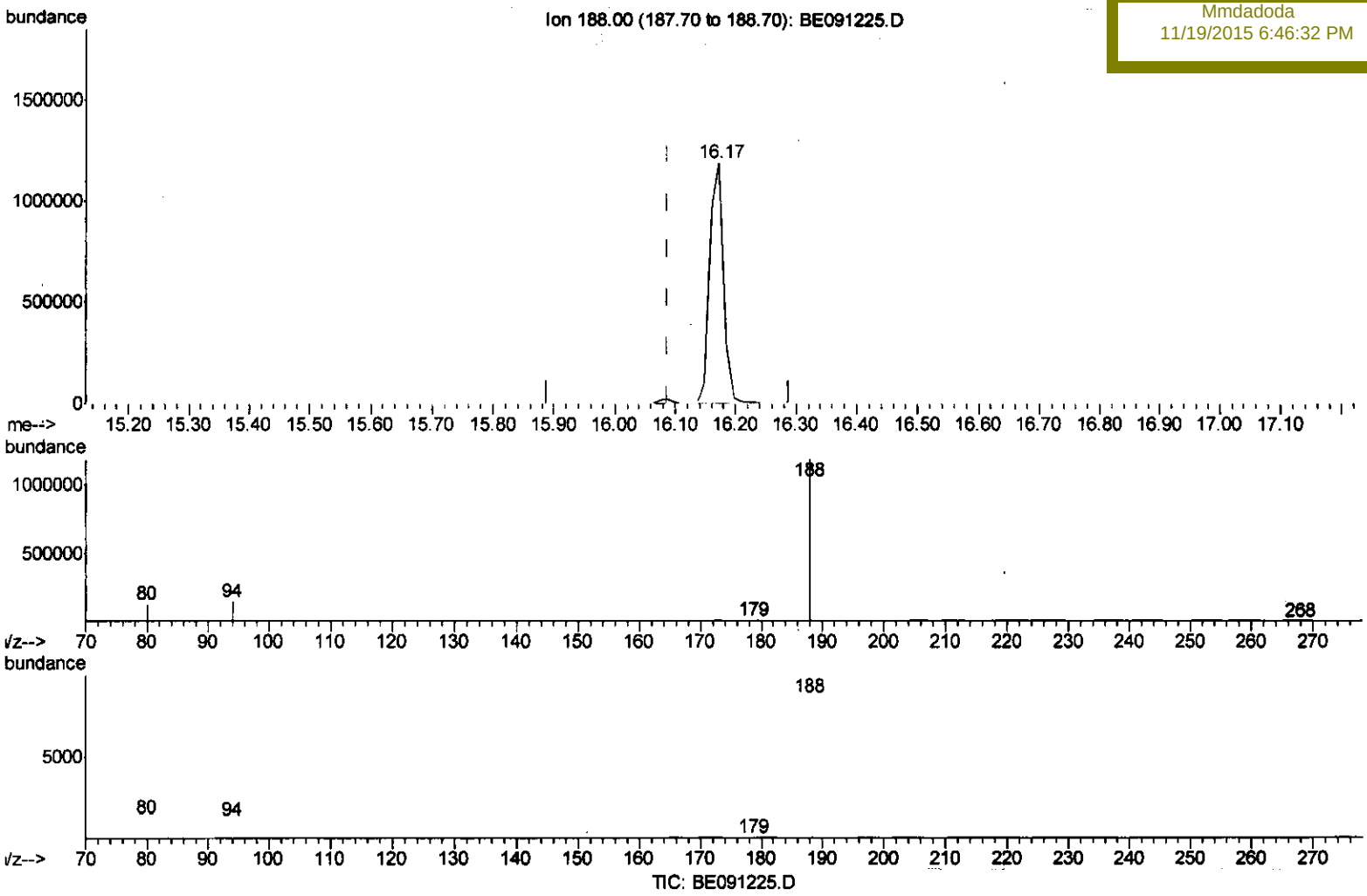
Ion	Exp%	Act%
188.00	100	100
94.00	9.00	10.36
80.00	8.90	10.81#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111815\
Data File : BE091225.D
Acq On : 18 Nov 2015 13:29
Operator : UM/NP
Sample : G4309-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 19 04:28:36 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 : Thu Nov 19 04:25:56 2015
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
D9KP4

Manual Integrations APPROVED
Mmdadoda
11/19/2015 6:46:32 PM



TIC: BE091225.D

(12) Phenanthrene-d10 (I)

16.172min (+0.084) 0.40ng/ul

response 1887672

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	12.04#
80.00	8.90	10.56
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111815\
Data File : BE091225.D
Acq On : 18 Nov 2015 13:29
Operator : UM/NP
Sample : G4309-06
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
D9KP4

Manual Integrations APPROVED
Mmdadoda
11/19/2015 6:46:32 PM

Quant Time: Nov 19 17:33:40 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 : Thu Nov 19 04:25:56 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	4133	0.40	ng/ul	-0.03
4) Naphthalene-d8	9.55	136	20971	0.40	ng/ul	-0.02
8) Acenaphthene-d10	13.36	164	11464	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	29926m	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	47017	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	40570m	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.97	96	25647	8.63	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.07	152	7761	0.27	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	28292	0.34	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	9.59	128	2488	0.05	ng/ul#	86
14) Phenanthrene	16.11	178	14597m	0.04	ng/ul	

U.M 11/19/15

U.M 11/19/15

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