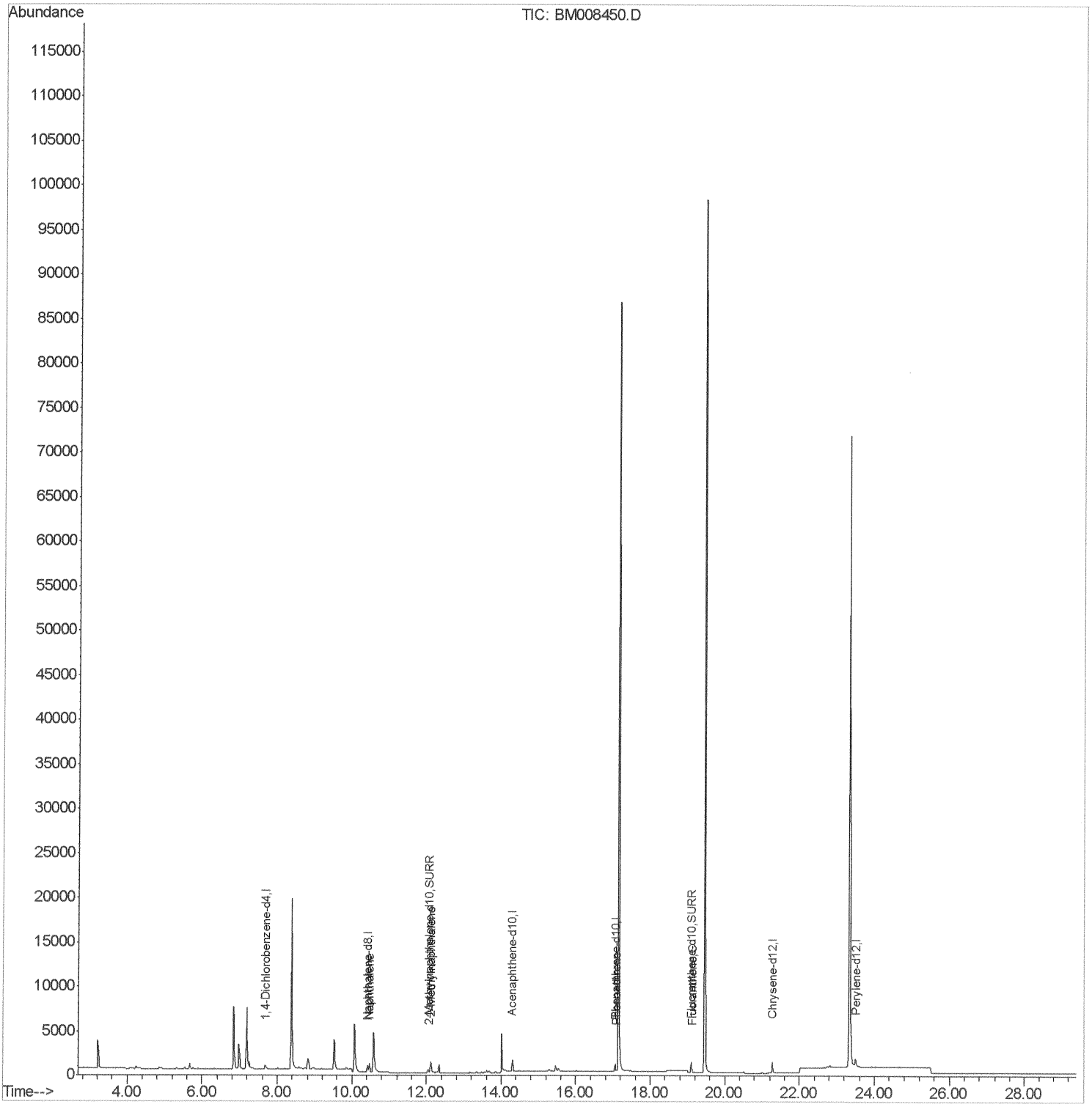
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121916\
Data File : BM008450.D
Acq On : 19 Dec 2016 20:26
Operator : UM/SJ
Sample : H5938-16
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 20 04:05:29 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 20 03:40:00 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA838

Manual Integrations APPROVED
sohil
12/20/2016 6:31:10 PM



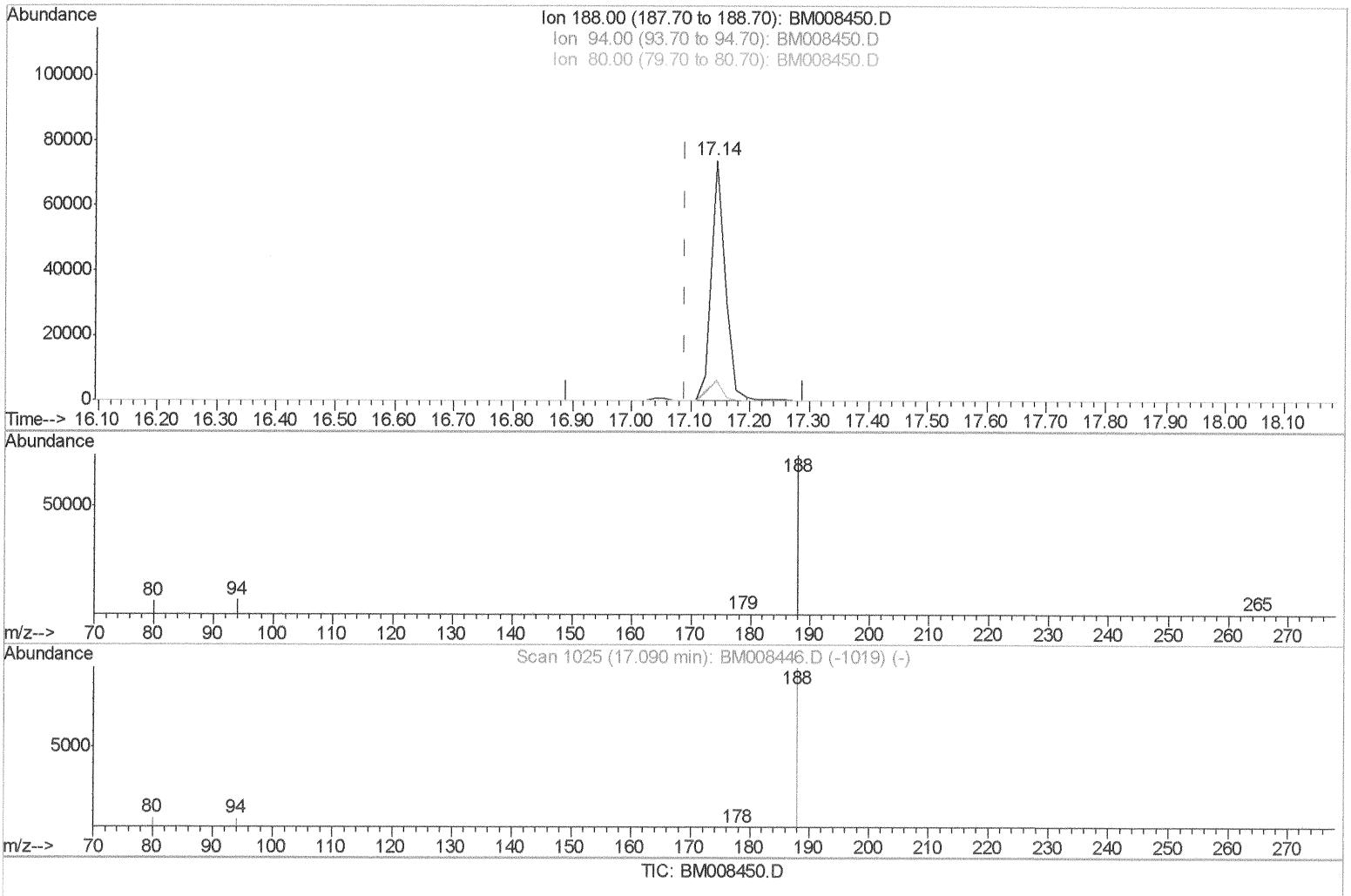
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121916\
Data File : BM008450.D
Acq On : 19 Dec 2016 20:26
Operator : UM/SJ
Sample : H5938-16
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 20 03:44:11 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 20 03:40:00 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA838

Manual Integrations APPROVED
sohil
12/20/2016 6:31:10 PM



TIC: BM008450.D

(10) Phenanthrene-d10 (I)

17.142min (+0.051) 0.40ng/ul

response 119327

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	8.69#
80.00	11.80	8.25#
0.00	0.00	0.00

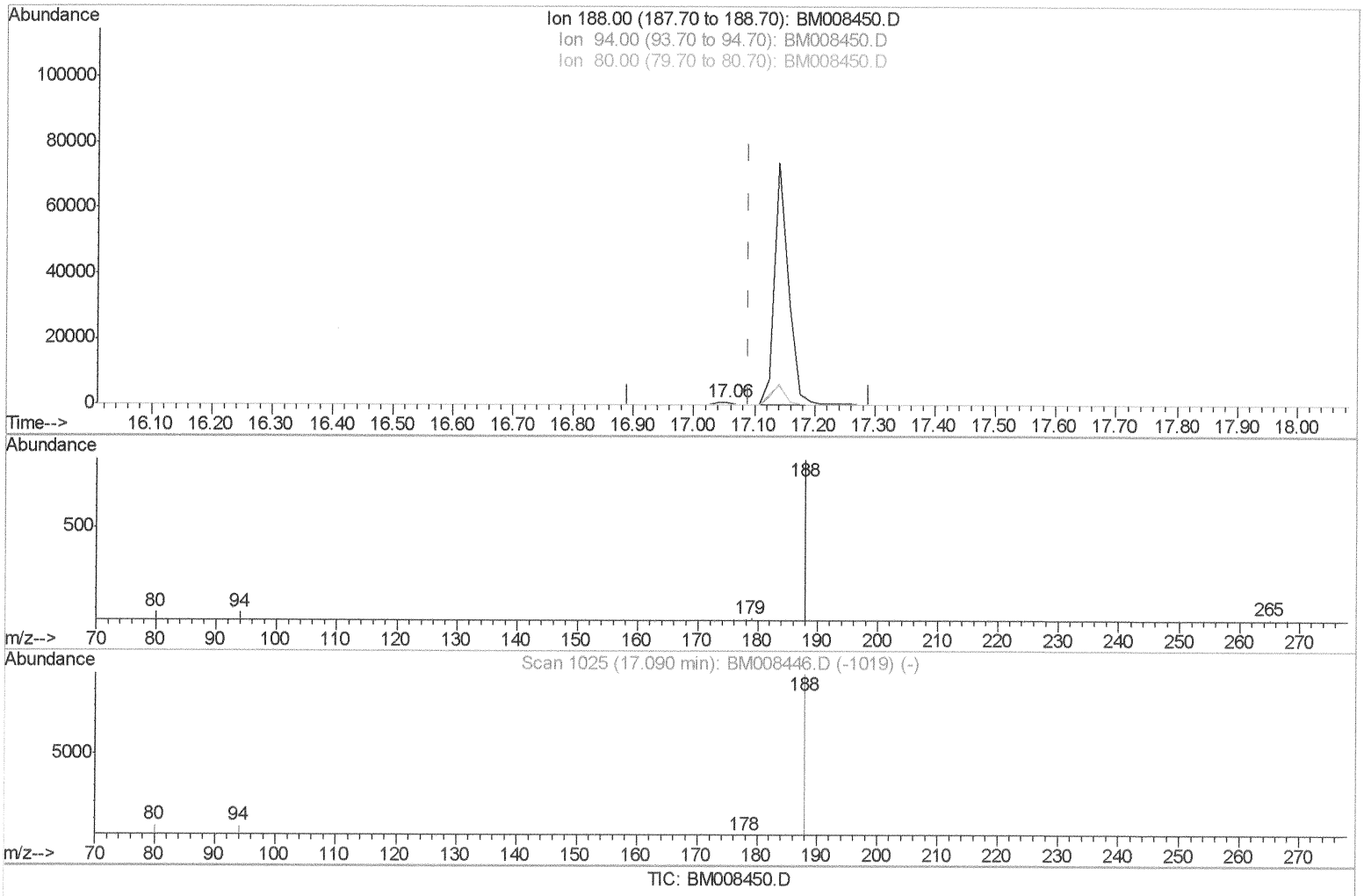
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121916\
Data File : BM008450.D
Acq On : 19 Dec 2016 20:26
Operator : UM/SJ
Sample : H5938-16
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 20 03:44:11 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 20 03:40:00 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA838

Manual Integrations APPROVED
sohil
12/20/2016 6:31:10 PM



TIC: BM008450.D

(10) Phenanthrene-d10 (I)

17.056min (-0.034) 0.40ng/ul m SJ 12/21/16

response 1407

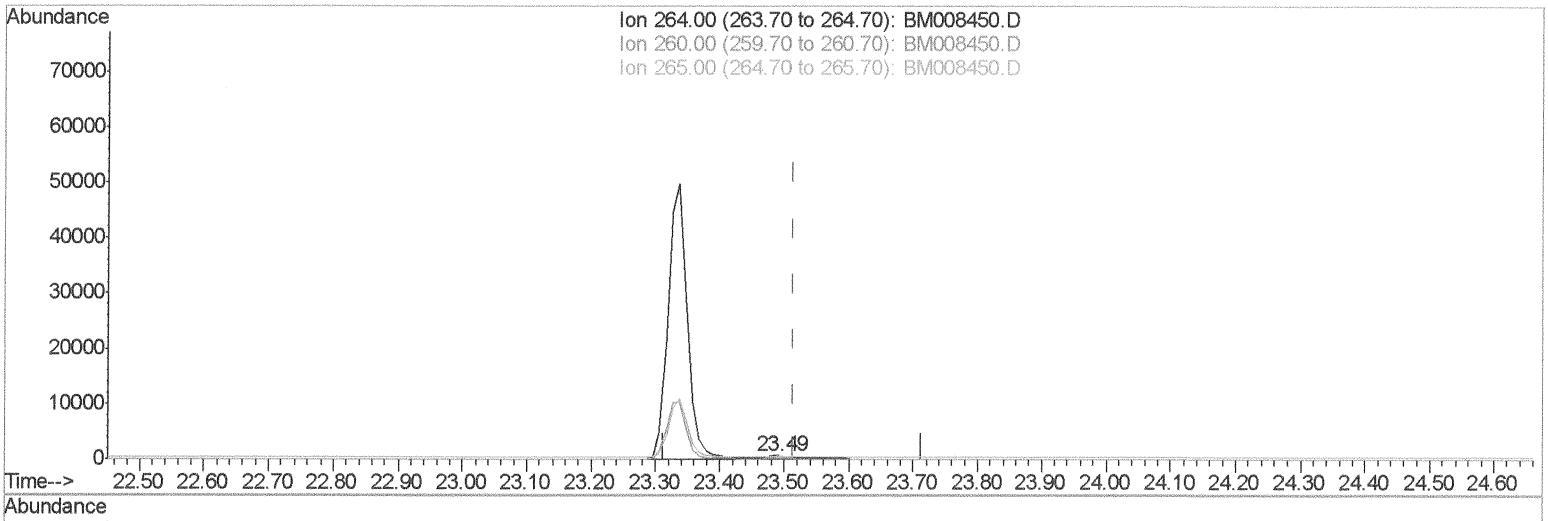
Ion	Exp%	Act%
188.00	100	100
94.00	11.00	10.00
80.00	11.80	10.12
0.00	0.00	0.00

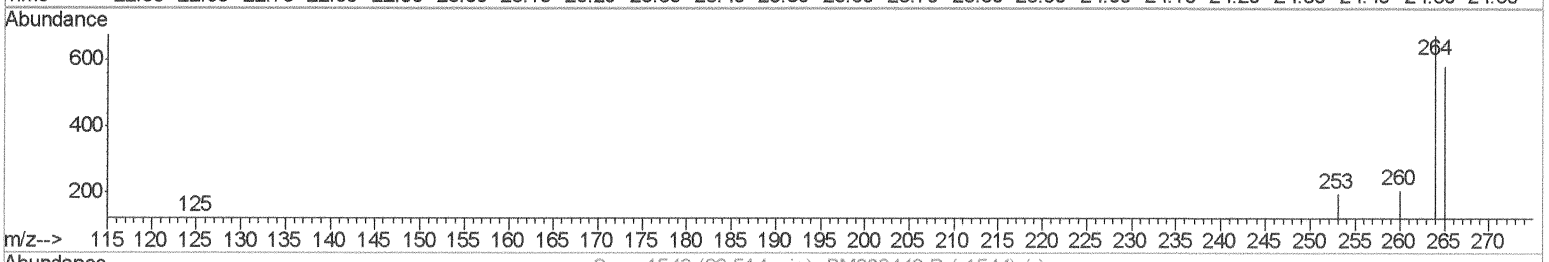
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121916\
Data File : BM008450.D
Acq On : 19 Dec 2016 20:26
Operator : UM/SJ
Sample : H5938-16
Misc :
ALS Vial : 12 Sample Multiplier: 1

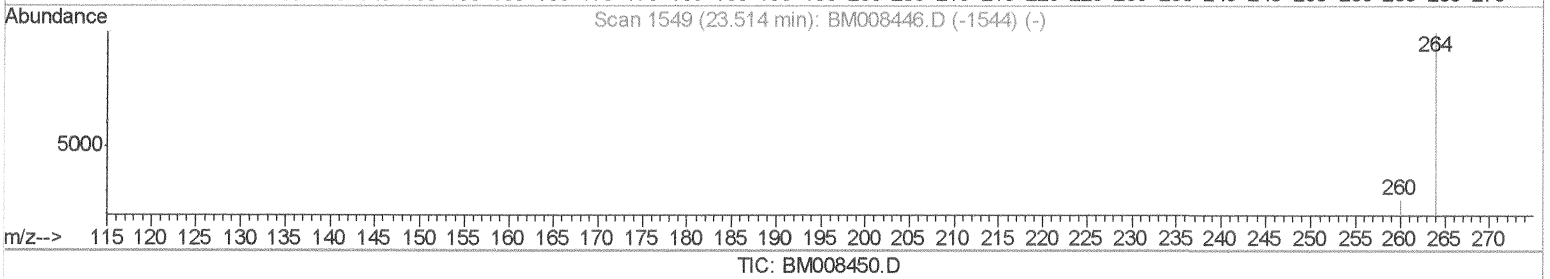
Quant Time: Dec 20 03:44:11 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 20 03:40:00 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA838

Manual Integrations APPROVED
sohil
12/20/2016 6:31:10 PM







TIC: BM008450.D

(20) Perylene-d12 (I)

23.493min (-0.021) 0.40ng/ul

response 1719

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	30.92
265.00	103.50	85.80
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121916\
Data File : BM008450.D
Acq On : 19 Dec 2016 20:26
Operator : UM/SJ
Sample : H5938-16
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 20 03:44:11 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 20 03:40:00 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA838

Manual Integrations APPROVED
sohil
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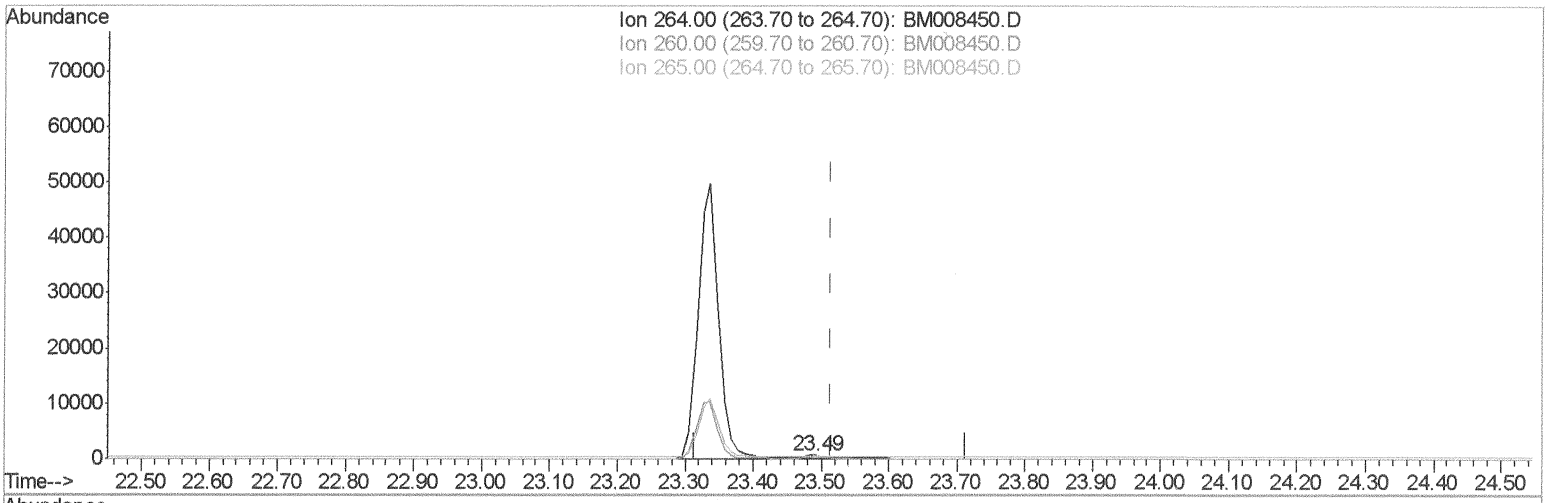

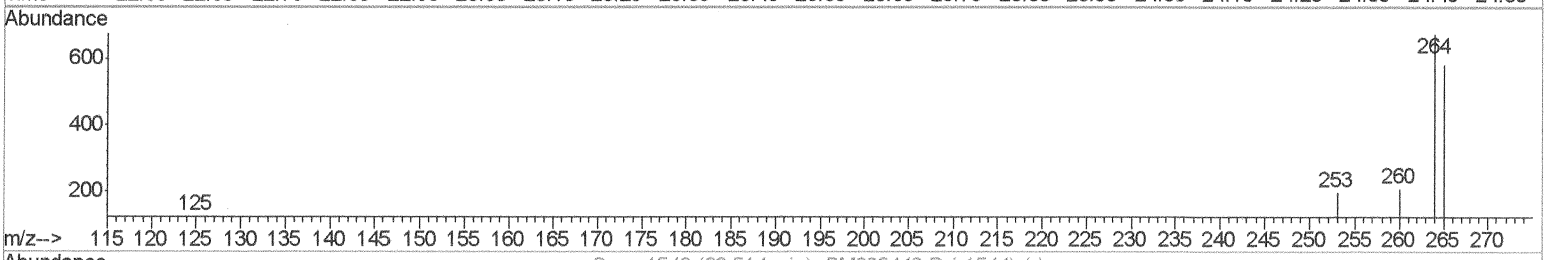

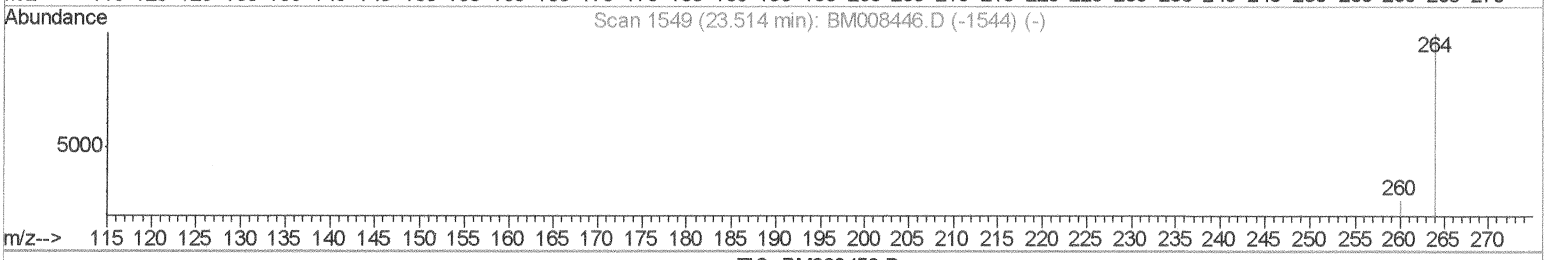

TIC: BM008450.D

(20) Perylene-d12 (I)

23.493min (-0.021) 0.40ng/ul m SJ 12/21/16

response 1132

Ion	Exp%	Act%
264.00	100	100
260.00	30.10	30.92
265.00	103.50	85.80
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121916\
Data File : BM008450.D
Acq On : 19 Dec 2016 20:26
Operator : UM/SJ
Sample : H5938-16
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 20 04:03:18 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 20 03:40:00 2016
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
DA838

Manual Integrations APPROVED
sohil
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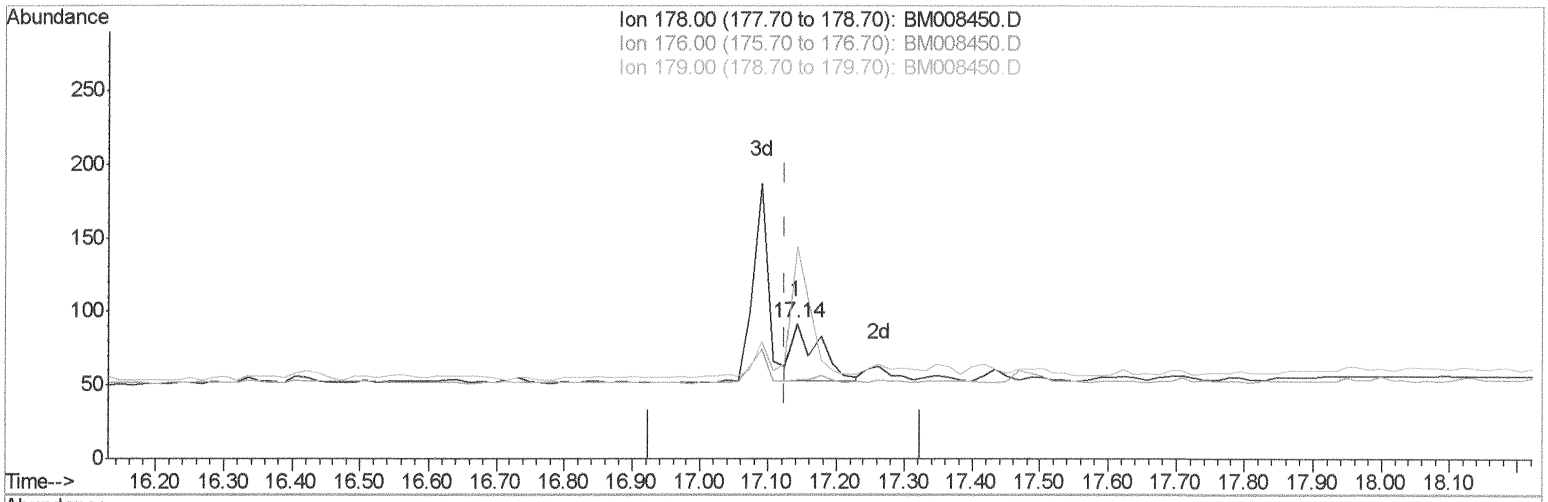

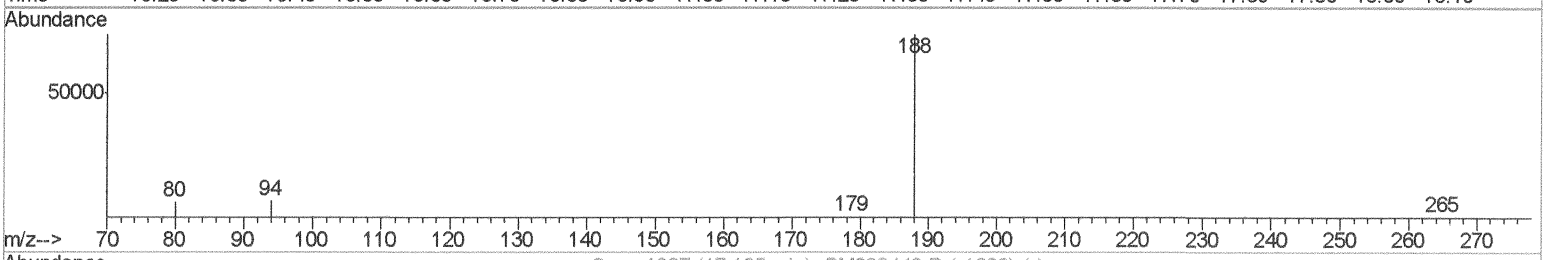

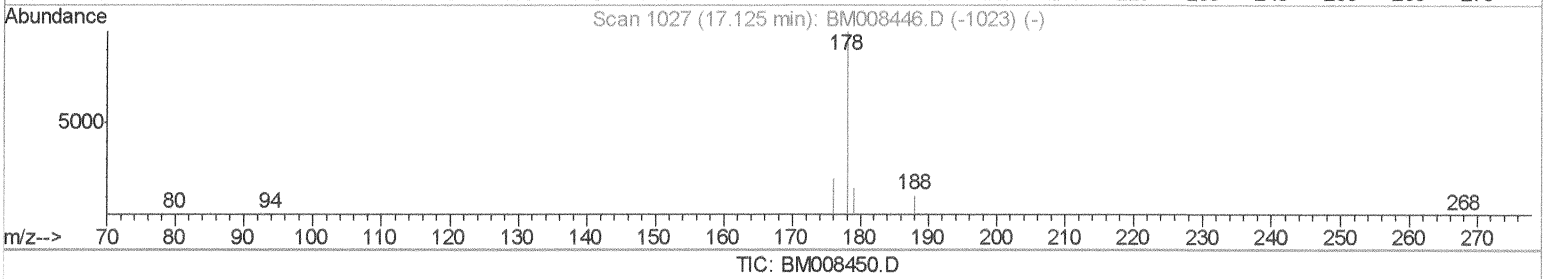

TIC: BM008450.D

(12) Phenanthrene

17.142min (+0.017) 0.02ng/ul

response 107

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	58.70#
179.00	17.00	157.61#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121916\
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Operator : UM/SJ
Sample : H5938-16
Misc :
ALS Vial : 12 Sample Multiplier: 1

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Instrument :
BNA_M
ClientSampleId :
DA838

Manual Integrations APPROVED
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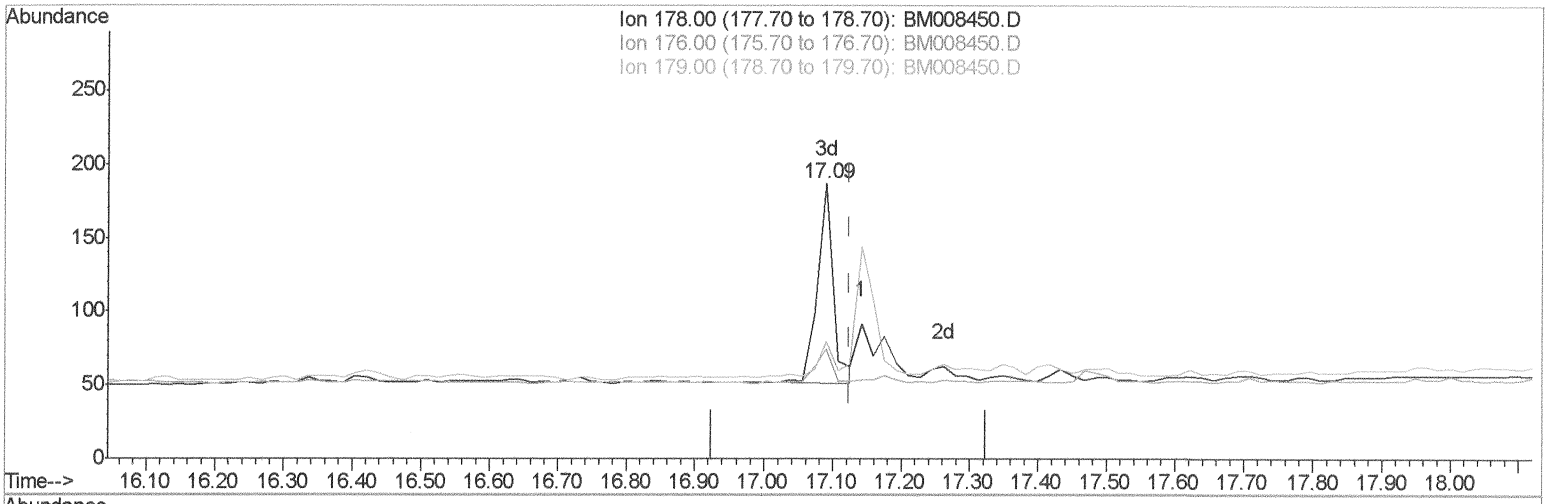
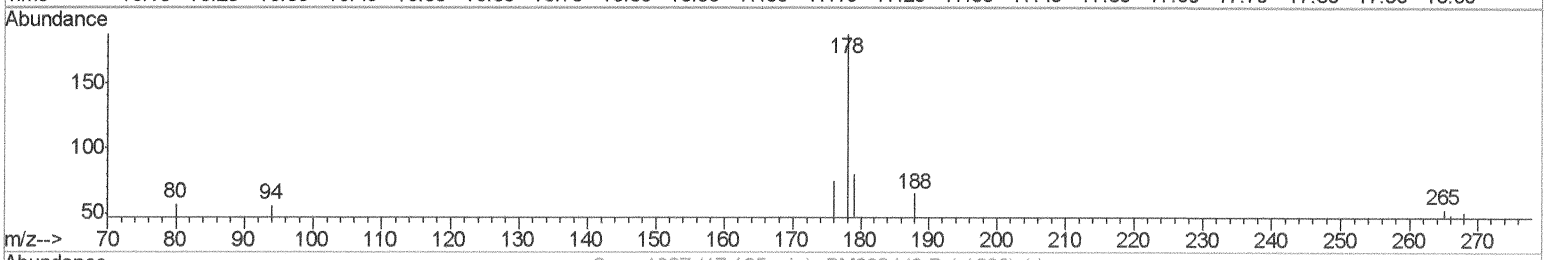
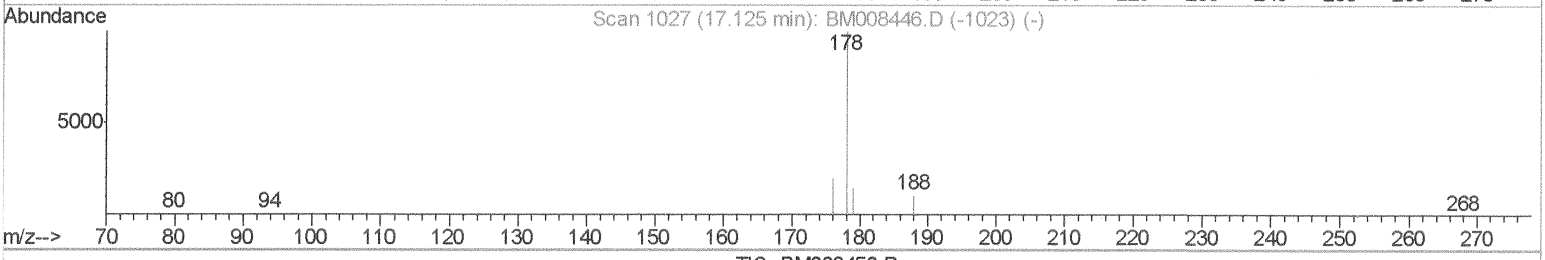
12/20/2016 6:31:10 PM







TIC: BM008450.D

(12) Phenanthrene

17.090min (-0.034) 0.05ng/ul m SJ 12/21/16

response 219

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	40.11#
179.00	17.00	42.78#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121916\
Data File : BM008450.D
Acq On : 19 Dec 2016 20:26
Operator : UM/SJ
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Instrument : BNA_M
ClientSampleId : DA838

Manual Integrations APPROVED
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12/20/2016 6:31:10 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	341	0.40	ng/ul	-0.05
2) Naphthalene-d8	10.43	136	1193	0.40	ng/ul	-0.06
6) Acenaphthene-d10	14.30	164	743	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.06	188	1407m	0.40	ng/ul	-0.03
16) Chrysene-d12	21.27	240	1450	0.40	ng/ul	-0.01
20) Perylene-d12	23.49	264	1132m	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.05	152	668	0.37	ng/ul	-0.05
14) Fluoranthene-d10	19.10	212	1470	0.38	ng/ul	-0.02
Target Compounds						Qvalue
3) Naphthalene	10.48	128	1395	0.42	ng/ul#	93
5) 2-Methylnaphthalene	12.11	142	1121	0.50	ng/ul	99
12) Phenanthrene	17.09	178	219m	0.05	ng/ul	
15) Fluoranthene	19.12	202	253	0.05	ng/ul#	53

SJ 12/21/16

SJ 12/21/16

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