

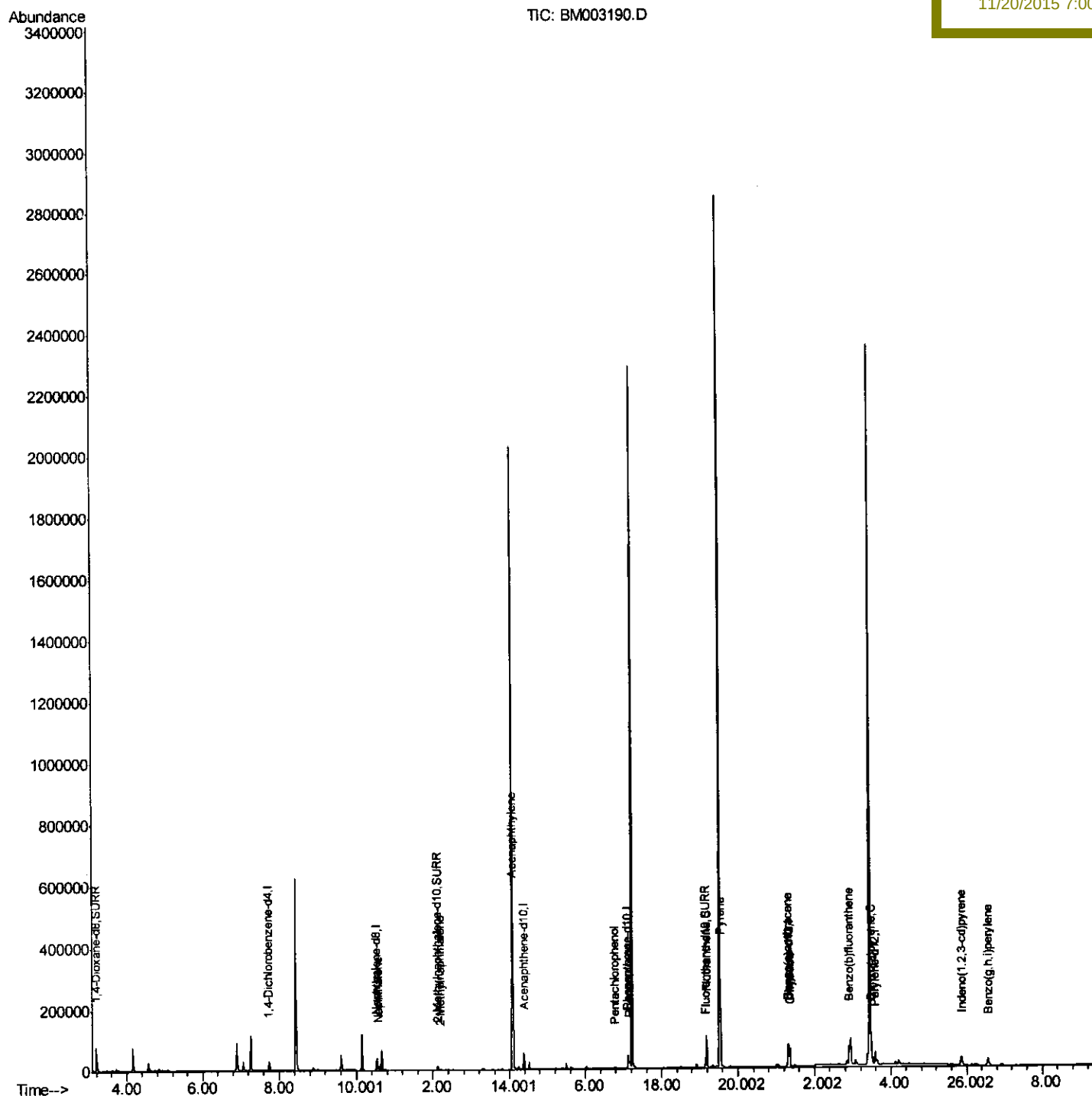
Data Path : Z:\HPCHEM1\BNA M\Data\BM111915\
Data File : BM003190.D
Acq On : 19 Nov 2015 13:46
Operator : UM/I2
Sample : G4323-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4HT3

Quant Time: Nov 20 07:19:39 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 03:16:26 2015
Response via : Initial Calibration

Manual Integrations
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Quantitation Report (Qedit)

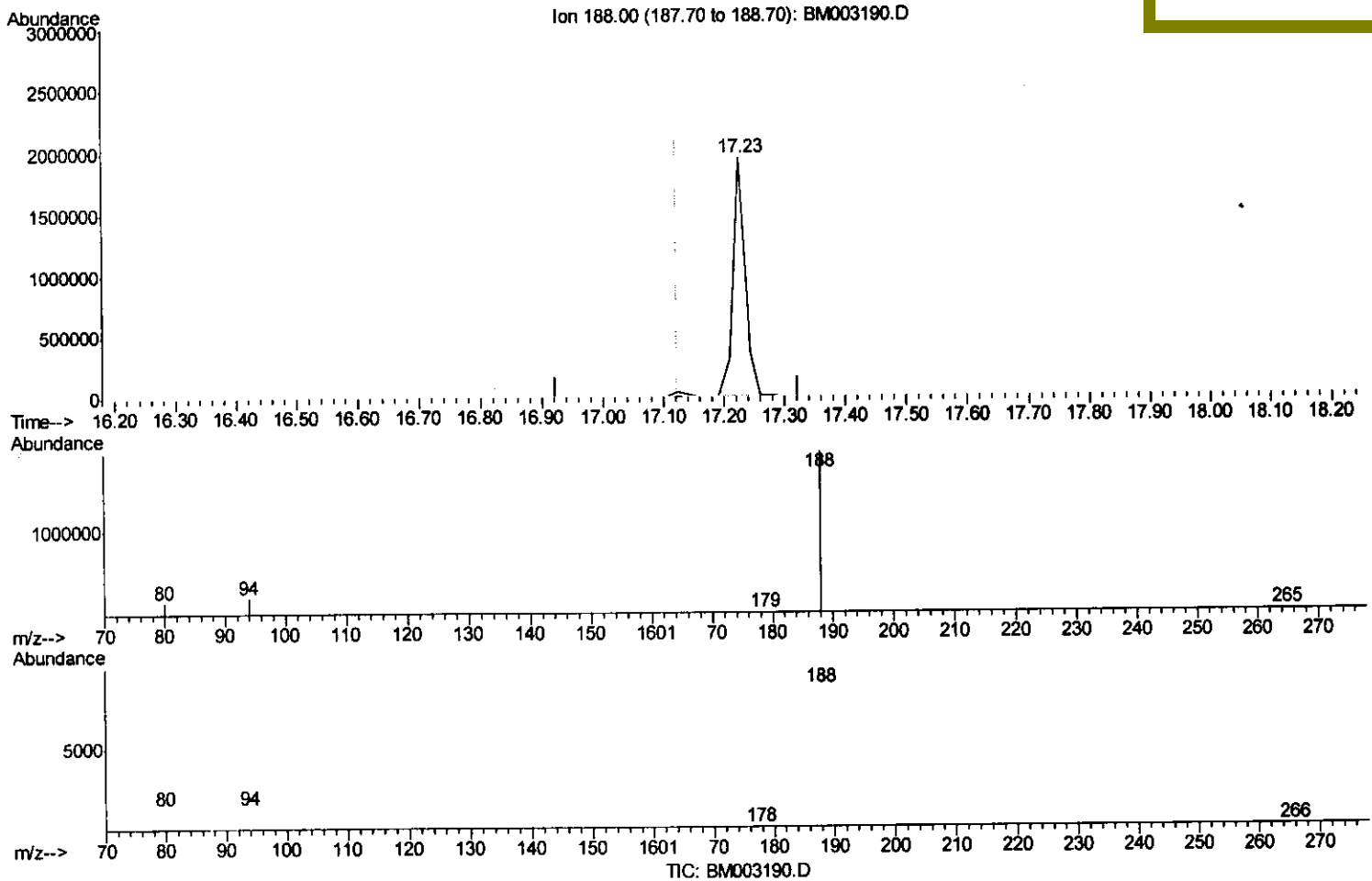
Data Path : Z:\HPCHEM1\BNA M\Data\BM111915\
Data File : BM003190.D
Acq On : 19 Nov 2015 13:46
Operator : UM/IZ
Sample : G4323-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 20 07:16:08 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 03:16:26 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4HT3

Manual Integrations
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(12) Phenanthrene-d10 (I)

17.226min (+0.103) 0.40ng/ul

response 2696740

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	10.01
80.00	11.90	7.50#
0.00	0.00	0.00

Quantitation Report (Qedit)

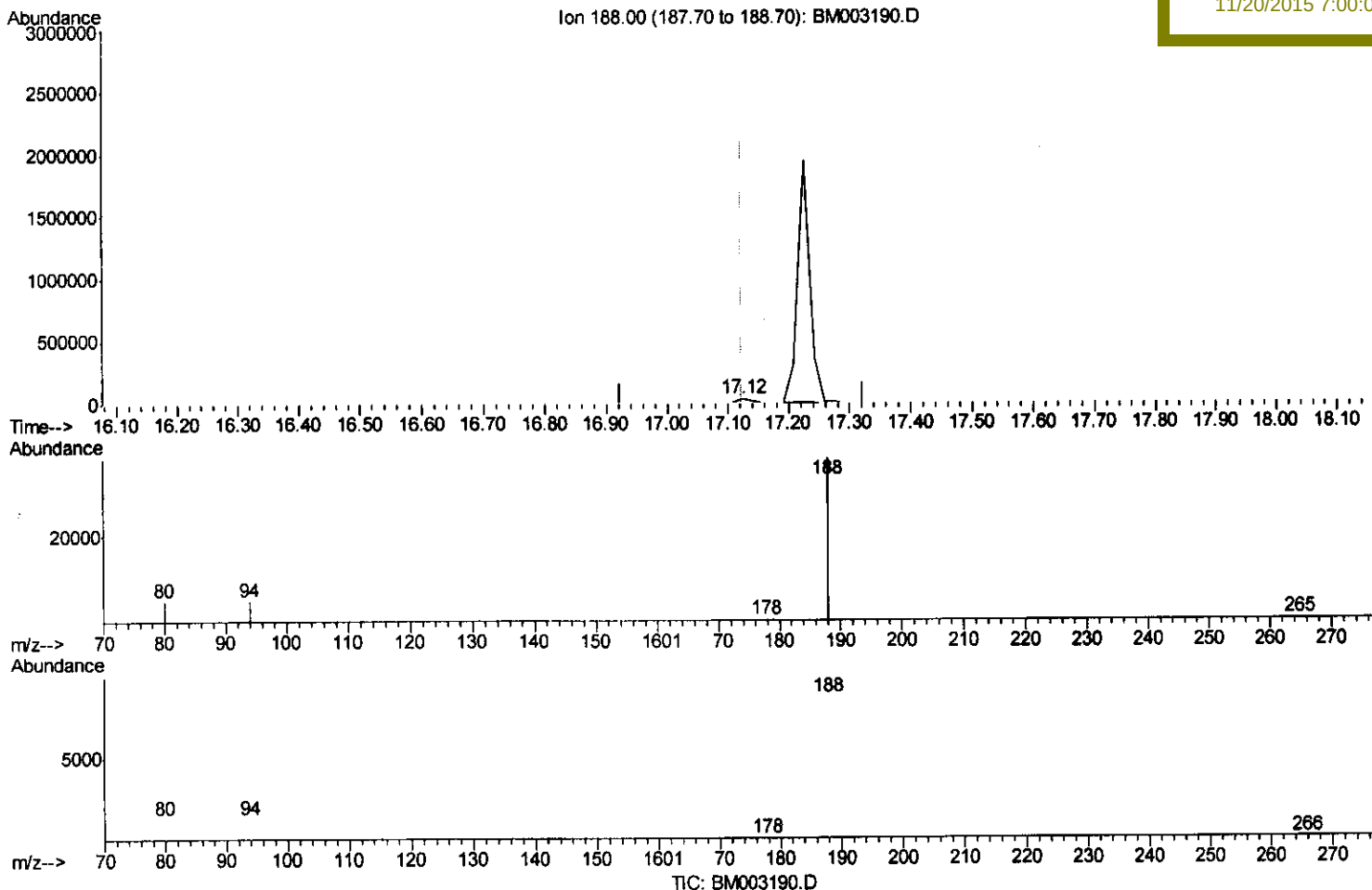
Data Path : Z:\HPCHEM1\BNA M\Data\BM111915\
 Data File : BM003190.D
 Acq On : 19 Nov 2015 13:46
 Operator : UM/IZ
 Sample : G4323-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 20 07:16:08 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 03:16:26 2015
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 A4HT3

Manual Integrations
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(12) Phenanthrene-d10 (I)

17.123min (-0.000) 0.40ng/ul m

response 61998

Ion	Exp%	Act%
188.00	100	100
94.00	11.70	12.69
80.00	11.90	12.74
0.00	0.00	0.00

> V.M.
 11/21/15

Quantitation Report (Qedit)

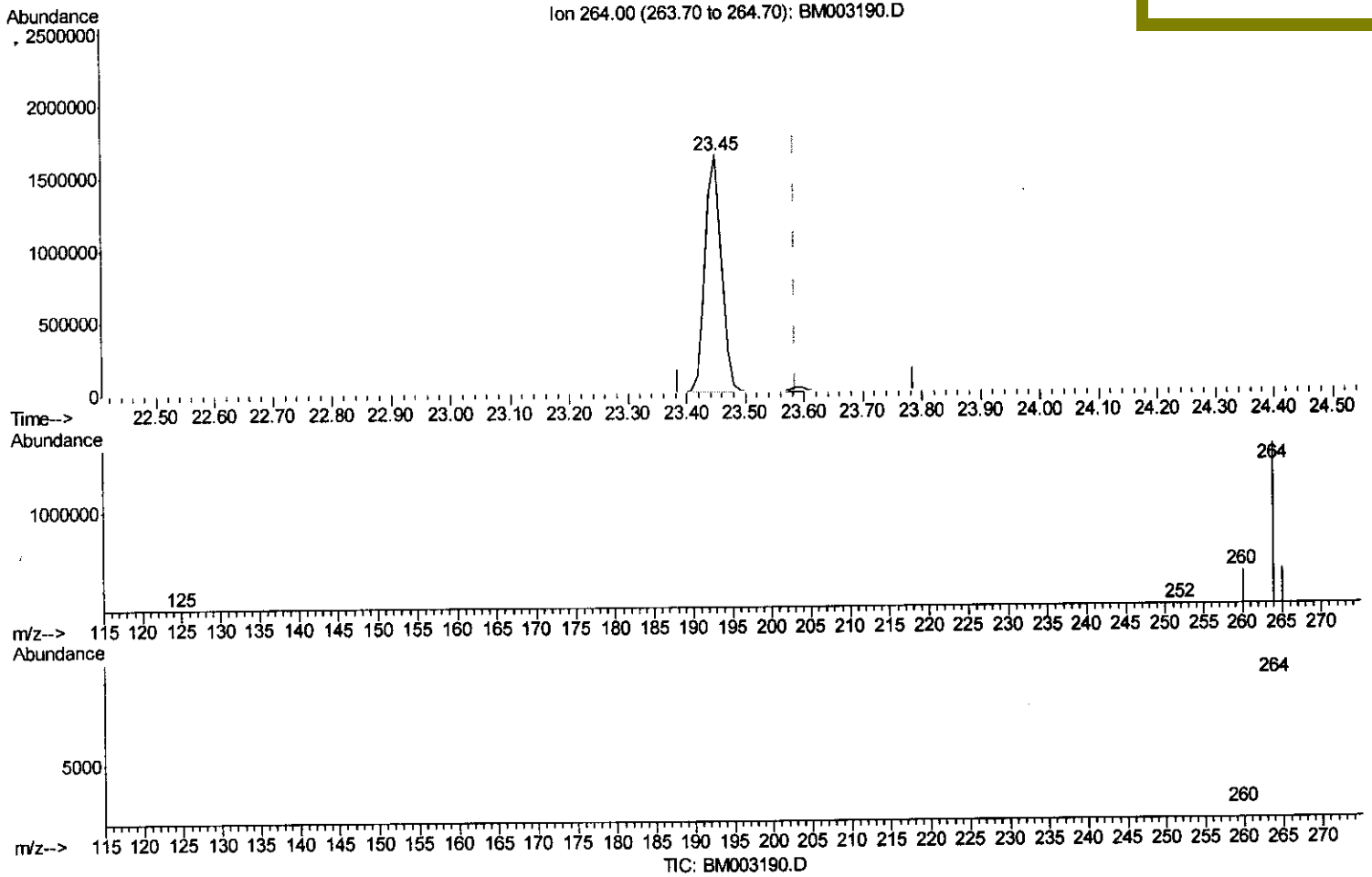
Data Path : Z:\HPCHEM1\BNA M\Data\BM111915\
 Data File : BM003190.D
 Acq On : 19 Nov 2015 13:46
 Operator : UM/IZ
 Sample : G4323-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HT3

Quant Time: Nov 20 07:16:08 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 03:16:26 2015
 Response via : Initial Calibration

Manual Integrations
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(22) Perylene-d12 (I)

23.449min (-0.136) 0.40ng/ul

response 3129502

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	20.78
265.00	38.20	22.08#
0.00	0.00	0.00

Quantitation Report (Qedit)

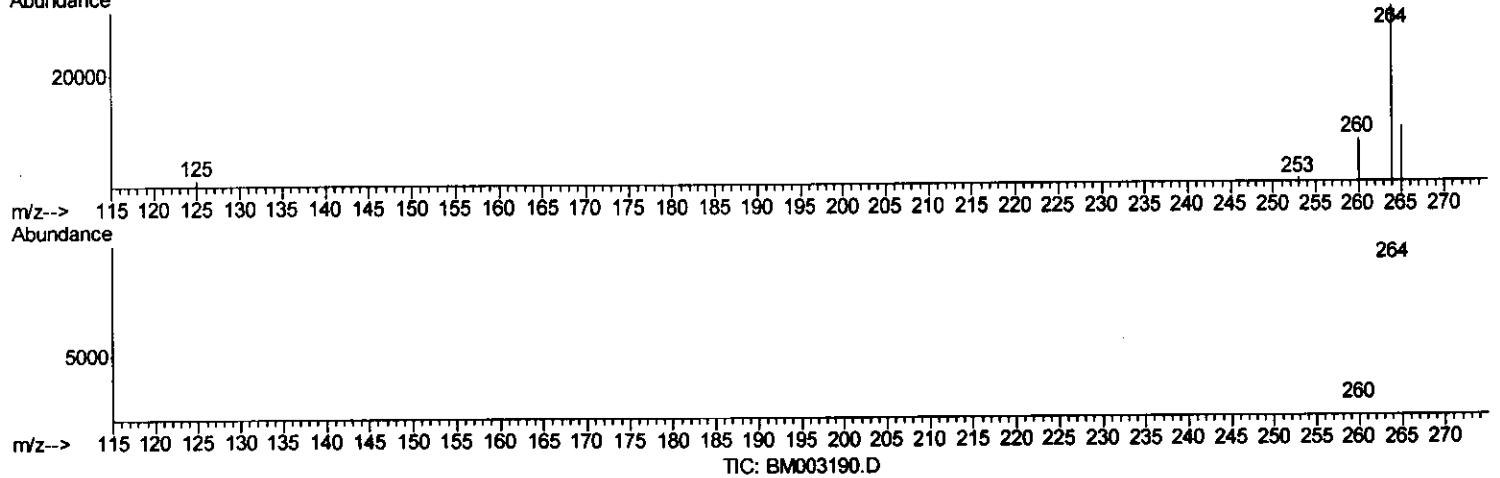
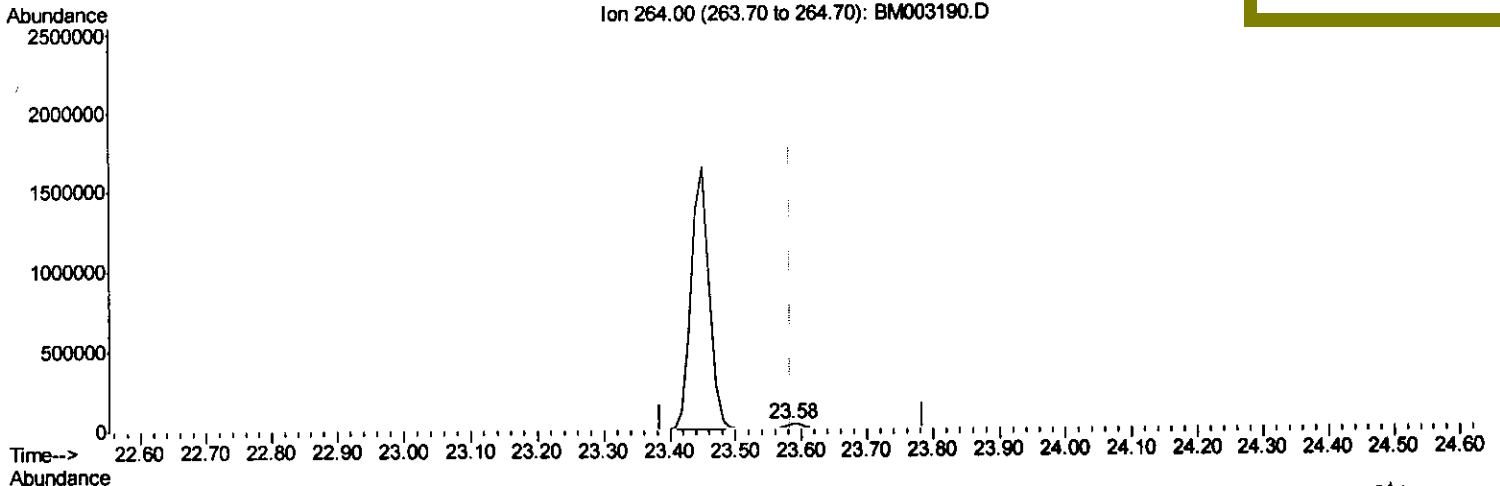
Data Path : Z:\HPCHEM1\BNA M\Data\BM111915\
 Data File : BM003190.D
 Acq On : 19 Nov 2015 13:46
 Operator : UM/IZ
 Sample : G4323-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HT3

Quant Time: Nov 20 07:16:08 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 03:16:26 2015
 Response via : Initial Calibration

Manual Integrations
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(22) Perylene-d12 (I)

23.585min (-0.000) 0.40ng/ul m

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response 66152

Ion	Exp%	Act%
264.00	100	100
260.00	25.60	26.62
265.00	38.20	33.29
0.00	0.00	0.00

Quantitation Report (Qedit)

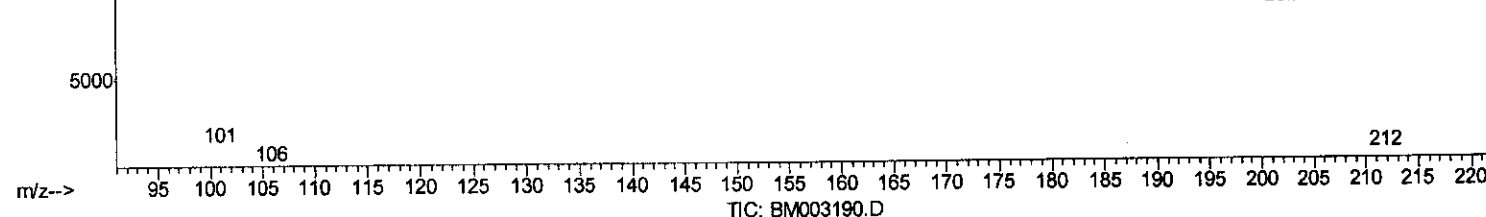
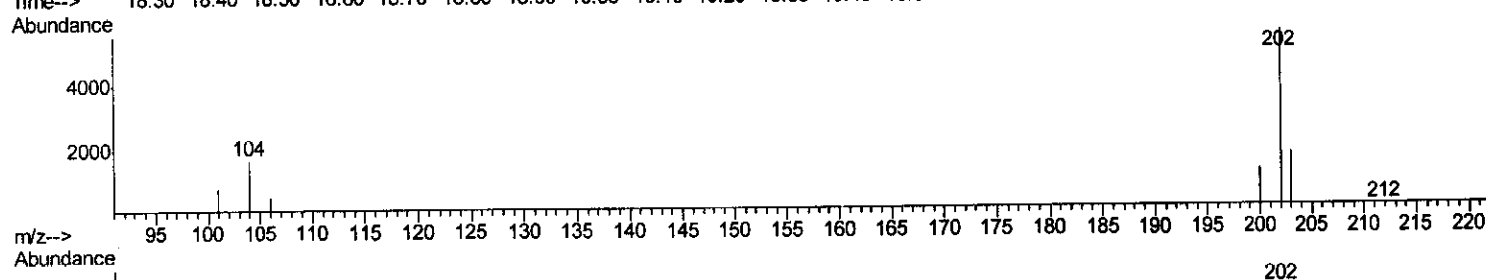
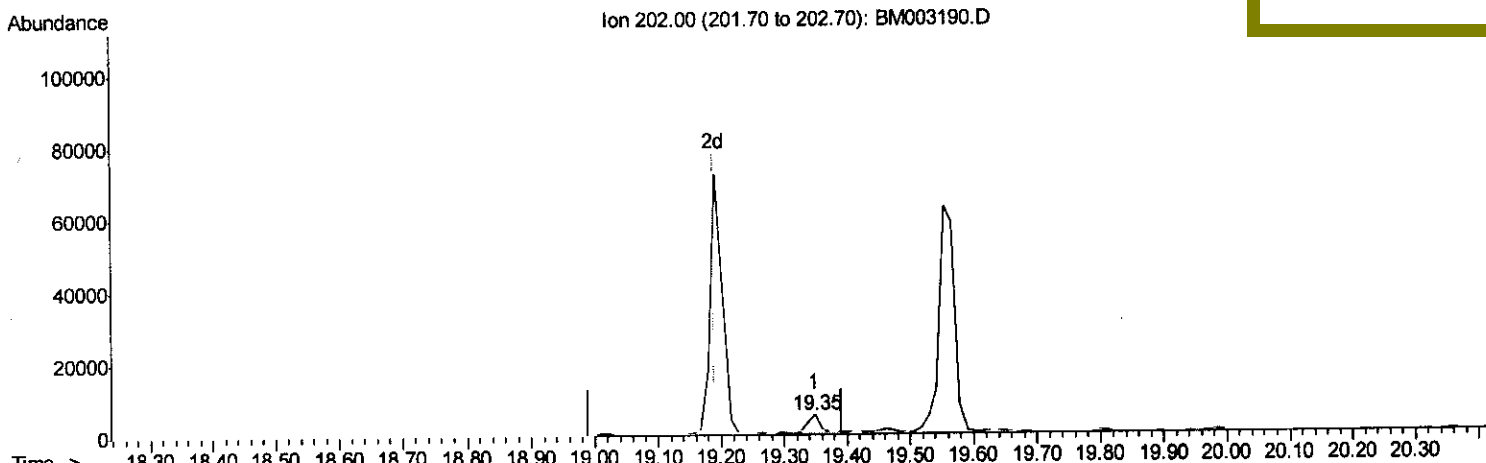
Data Path : Z:\HPCHEM1\BNA M\Data\BM111915\
 Data File : BM003190.D
 Acc On : 19 Nov 2015 13:46
 Operator : UM/IZ
 Sample : G4323-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HT3

Quant Time: Nov 20 07:17:09 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 03:16:26 2015
 Response via : Initial Calibration

Manual Integrations
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TIC: BM003190.D

(17) Fluoranthene (C)

19.348min (+0.157) 0.04ng/ul

response 7029

Ion	Exp%	Act%
202.00	100	100
101.00	9.60	15.62
203.00	16.30	32.33
0.00	0.00	0.00

Quantitation Report (Qedit)

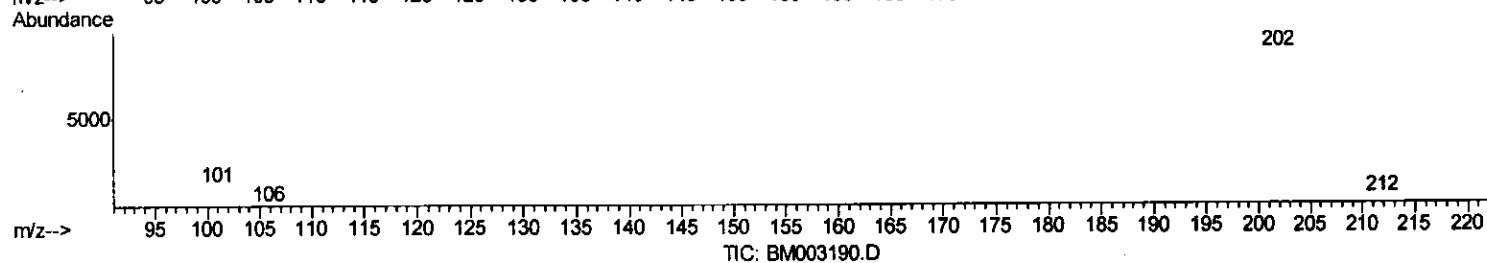
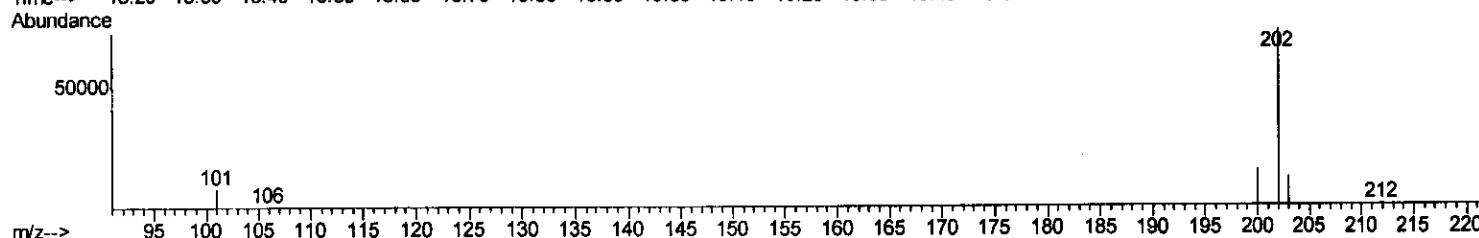
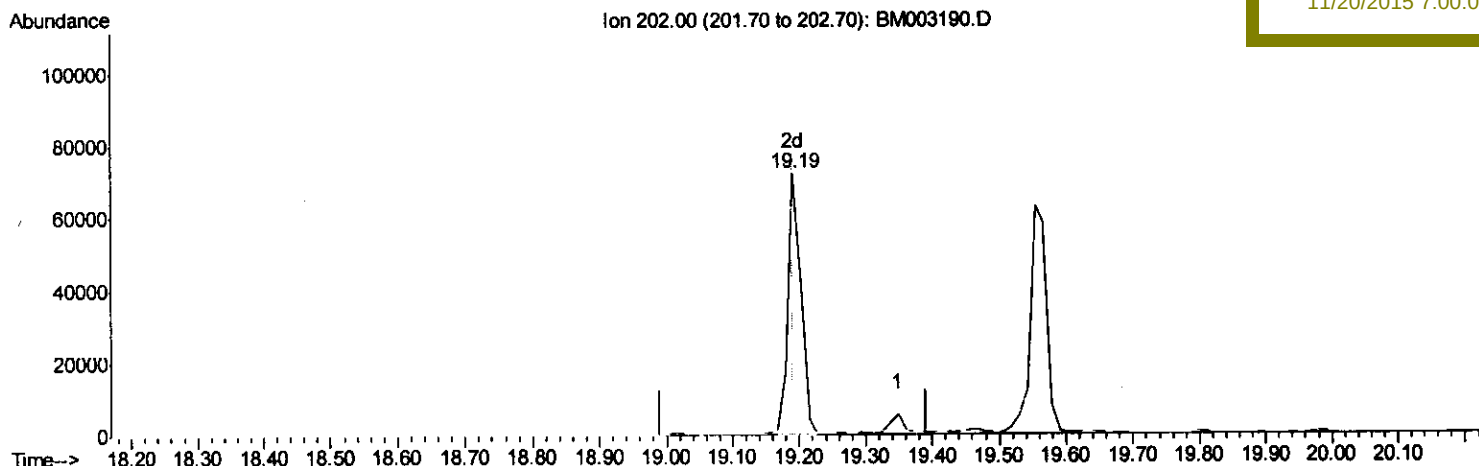
Data Path : Z:\HPCHEM1\BNA M\Data\BM111915\
Data File : BM003190.D
Acq On : 19 Nov 2015 13:46
Operator : UM/IZ
Sample : G4323-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 20 07:17:09 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 03:16:26 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A4HT3

Manual Integrations
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(17) Fluoranthene (C)

19.191min (-0.000) 0.49ng/ul m > U.M.
11/21/15

response 98729

Ion	Exp%	Act%
202.00	100	100
101.00	9.60	11.19
203.00	16.30	16.96
0.00	0.00	0.00

Quantitation Report (Qedit)

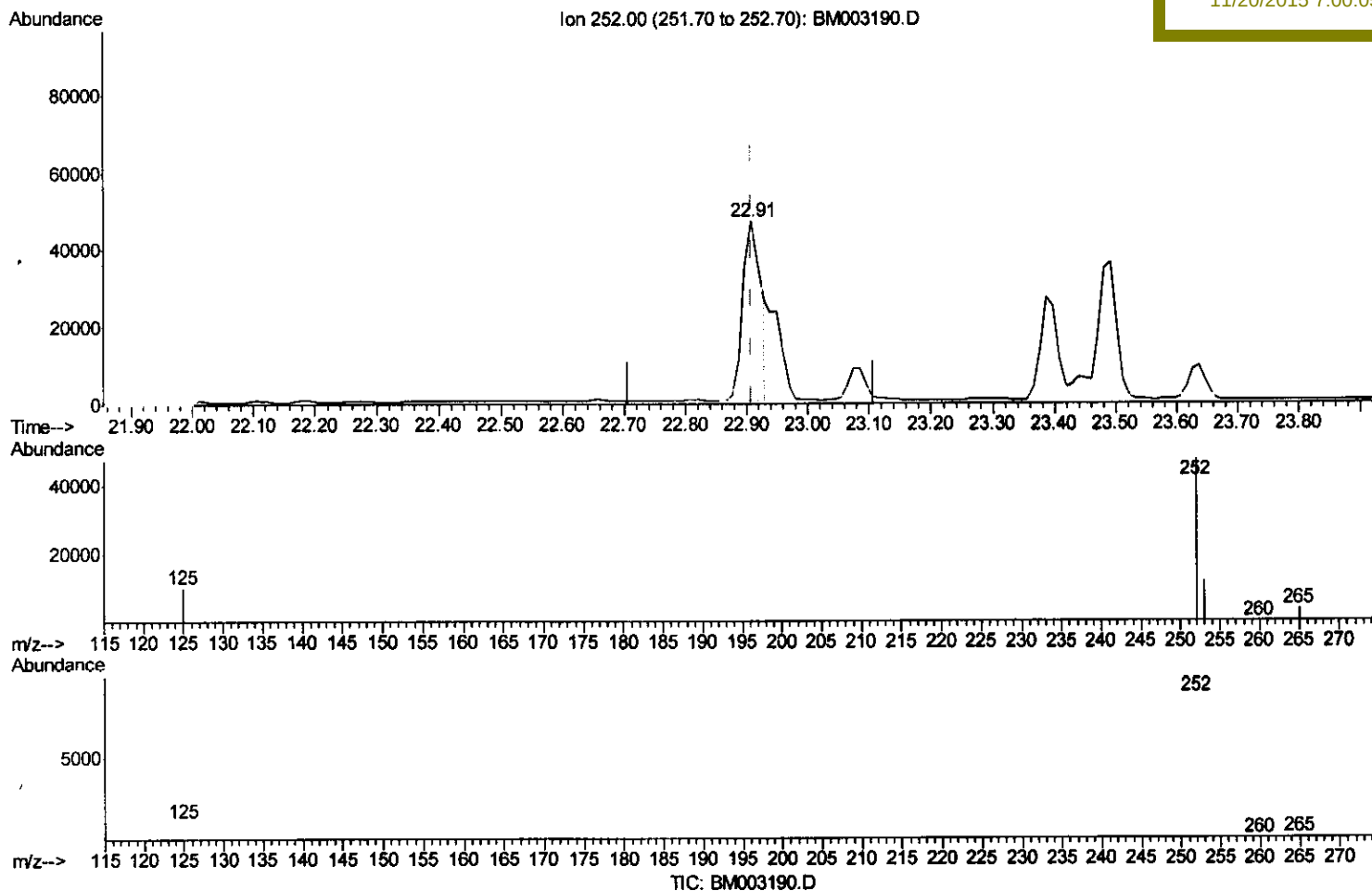
Data Path : Z:\HPCHEM1\BNA M\Data\BM111915\
Data File : BM003190.D
Acq On : 19 Nov 2015 13:46
Operator : UM/IZ
Sample : G4323-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4HT3

Quant Time: Nov 20 07:17:09 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 03:16:26 2015
Response via : Initial Calibration

Manual Integrations
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11/20/2015 7:00:05 PM



(23) Benzo(b)fluoranthene

22.907min (-0.000) 0.38ng/ul

response 96645

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	25.19
125.00	14.40	21.03
0.00	0.00	0.00

Quantitation Report (Qedit)

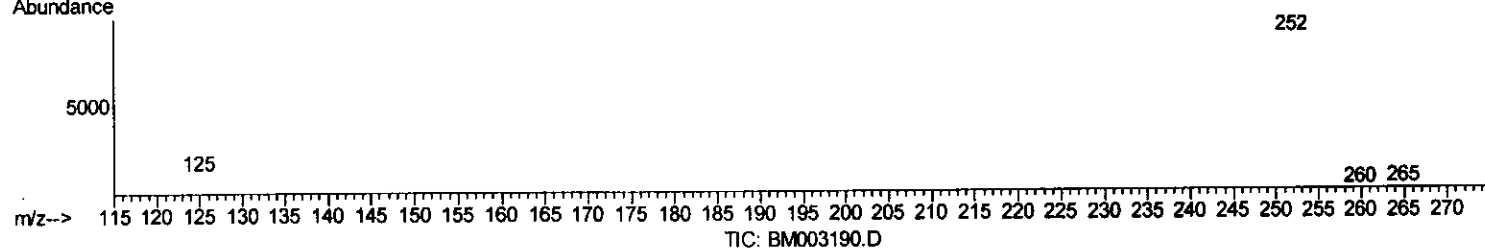
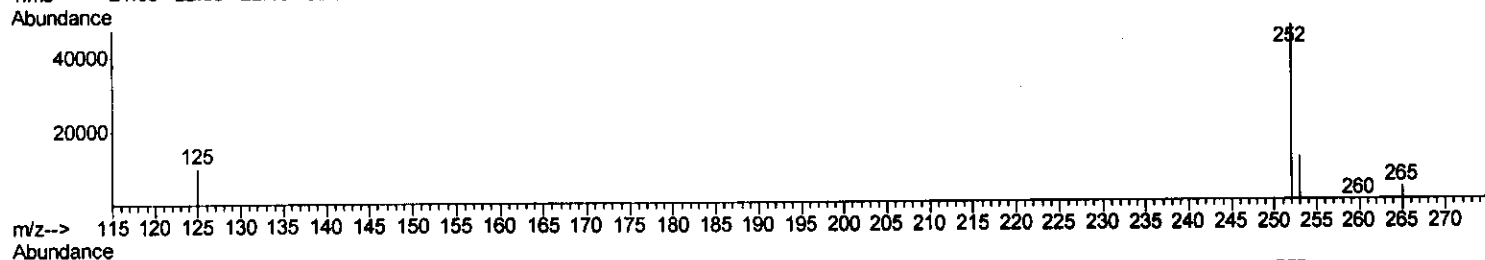
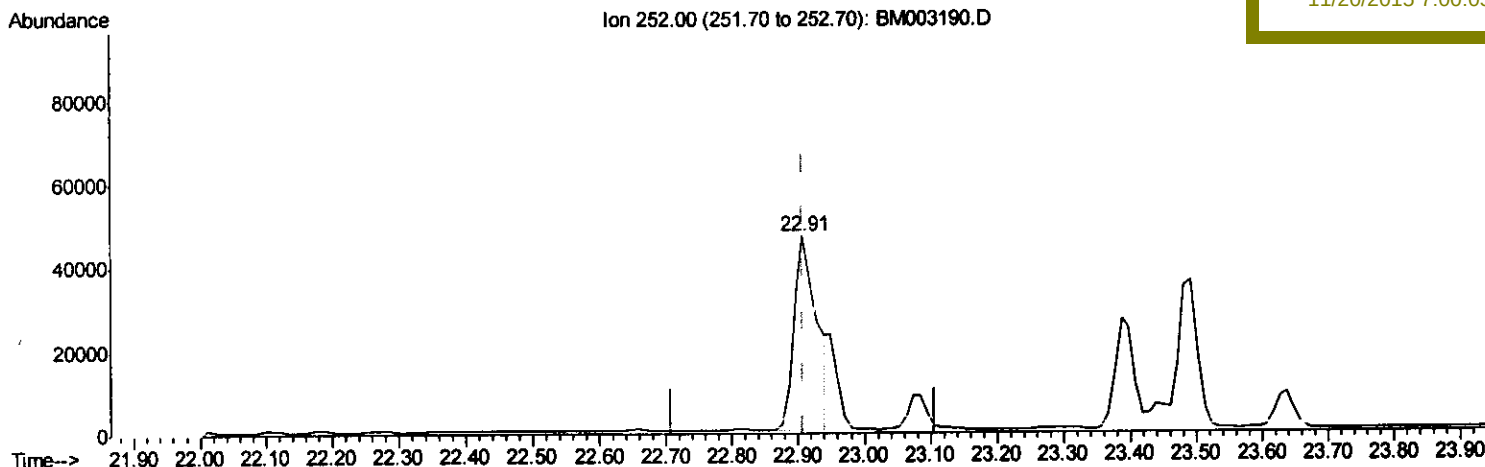
Data Path : Z:\HPCHEM1\BNA M\Data\BM111915\
Data File : BM003190.D
Acq On : 19 Nov 2015 13:46
Operator : UM/IZ
Sample : G4323-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4HT3

Quant Time: Nov 20 07:17:09 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 03:16:26 2015
Response via : Initial Calibration

Manual Integrations
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11/20/2015 7:00:05 PM



(23) Benzo(b)fluoranthene

22.907min (-0.000) 0.44ng/ul m

response 111001

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	25.19
125.00	14.40	21.03
0.00	0.00	0.00

> U.M.
11/21/15

Quantitation Report (Qedit)

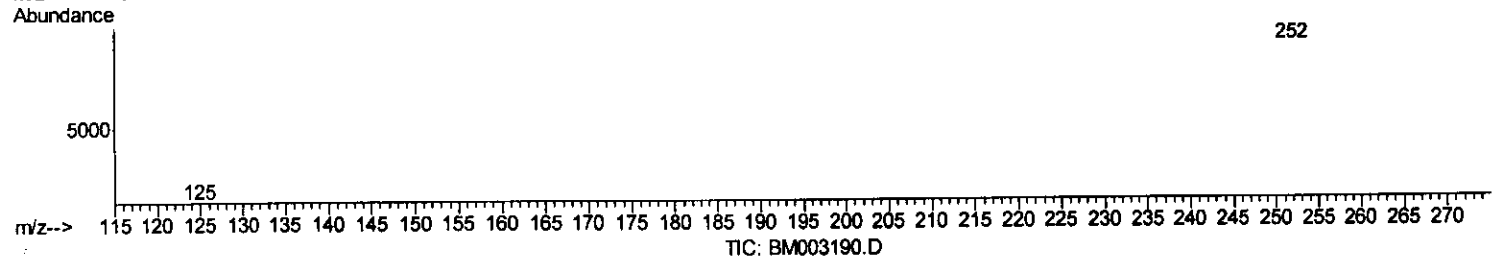
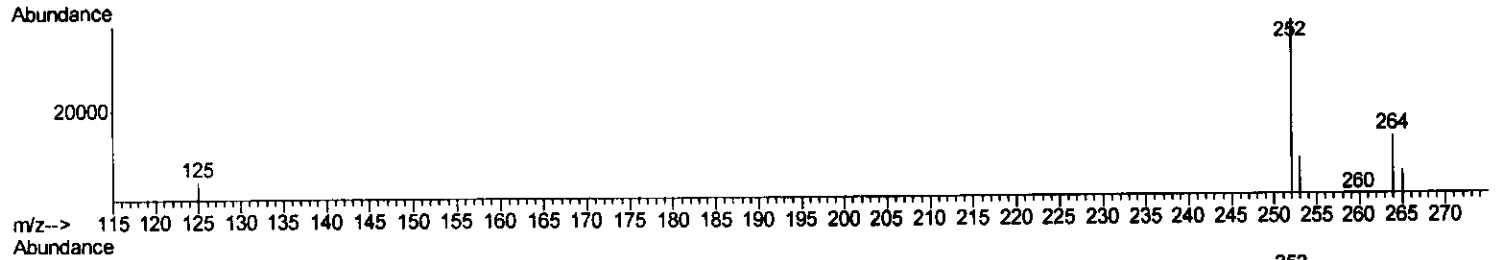
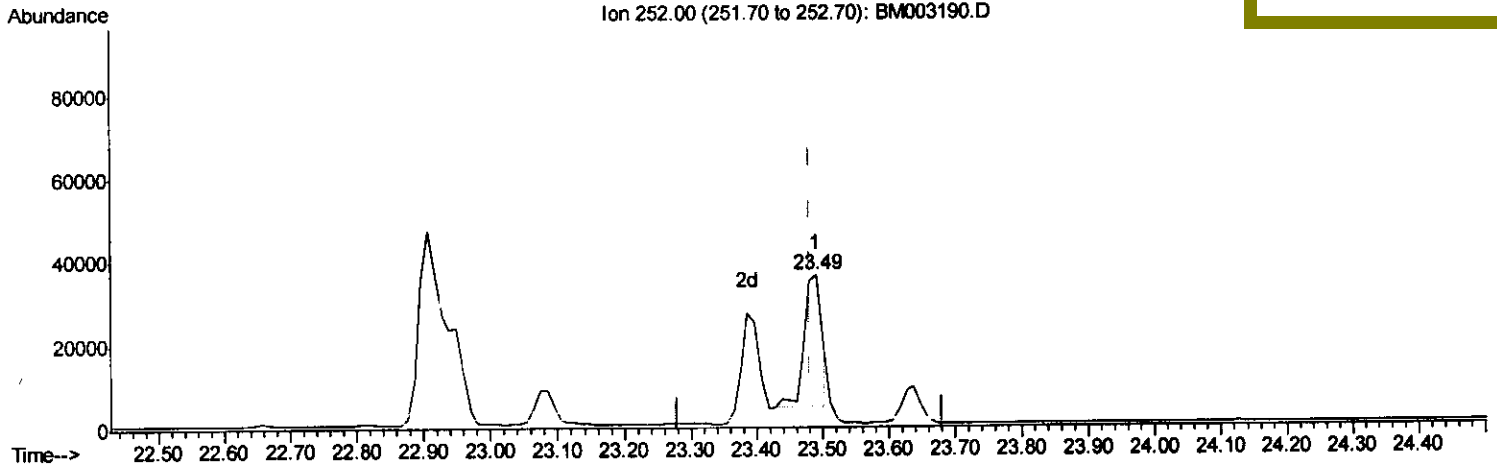
Data Path : Z:\HPCHEM1\BNA M\Data\BM111915\
 Data File : BM003190.D
 Acq On : 19 Nov 2015 13:46
 Operator : UM/IZ
 Sample : G4323-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HT3

Quant Time: Nov 20 07:17:09 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 03:16:26 2015
 Response via : Initial Calibration

Manual Integrations
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 11/20/2015 7:00:05 PM



(25) Benzo(a)pyrene (C)

23.491min (+0.010) 0.26ng/ul

response 57805

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	26.85
125.00	15.90	17.08
0.00	0.00	0.00

Quantitation Report (Qedit)

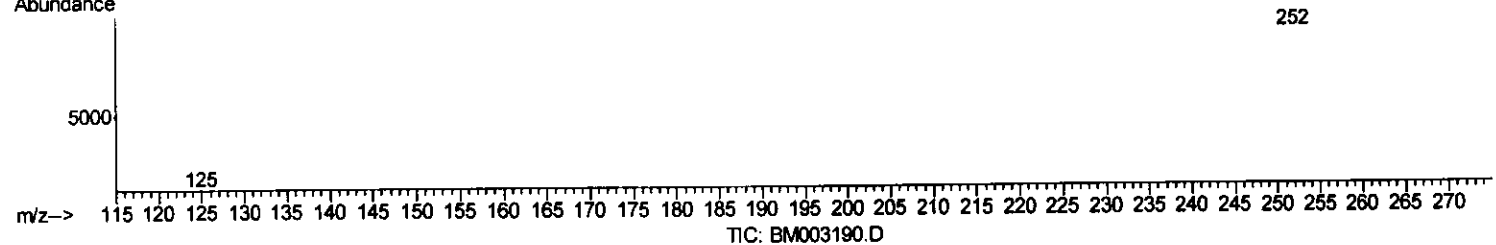
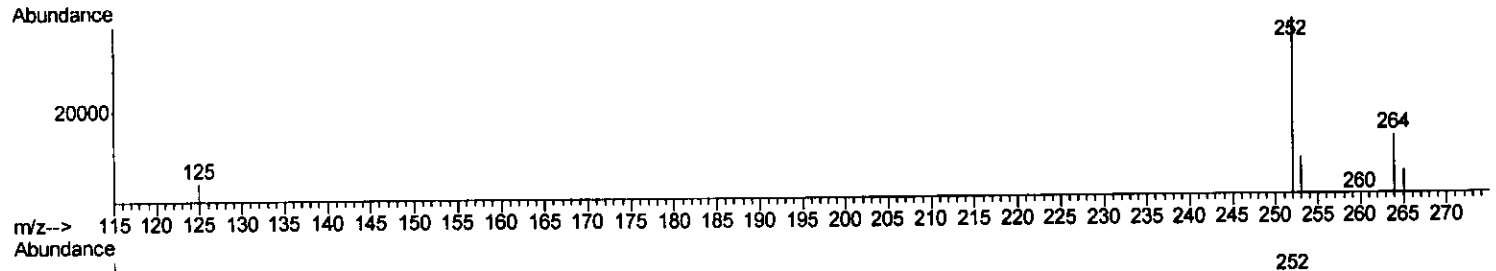
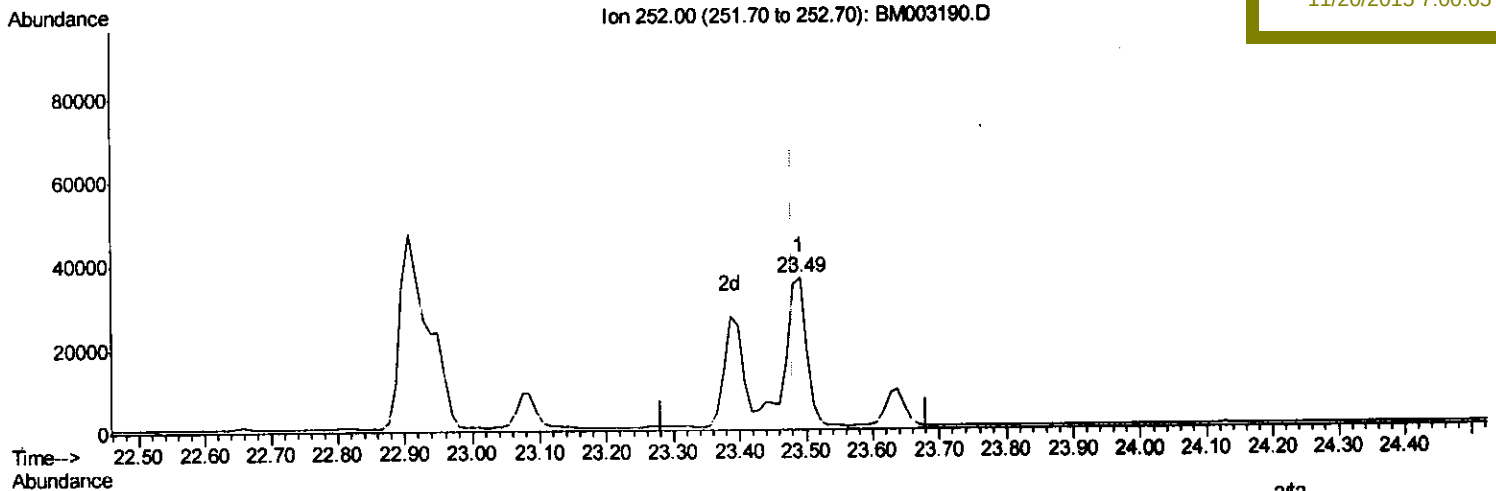
Data Path : Z:\HPCHEM1\BNA M\Data\BM111915\
 Data File : BM003190.D
 Acq On : 19 Nov 2015 13:46
 Operator : UM/I2
 Sample : G4323-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HT3

Quant Time: Nov 20 07:17:09 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 03:16:26 2015
 Response via : Initial Calibration

Manual Integrations
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(25) Benzo(a)pyrene (C)

23.491min (+0.010) 0.30ng/ul m

response 67315

Ion	Exp%	Act%
252.00	100	100
253.00	24.30	26.85
125.00	15.90	17.08
0.00	0.00	0.00

> U.M.
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Quantitation Report (Qedit)

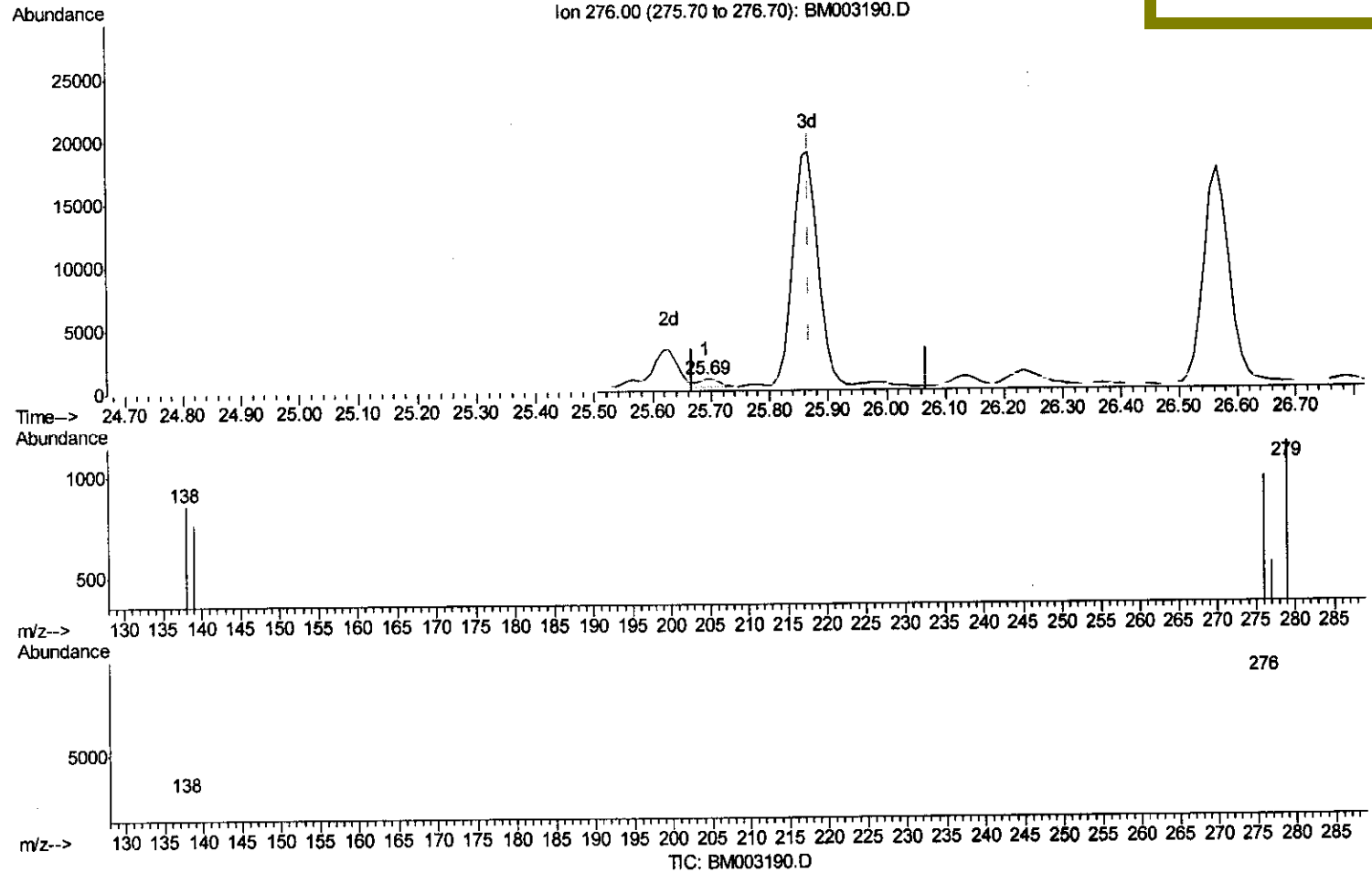
Data Path : Z:\HPCHEM1\BNA M\Data\BM111915\
 Data File : BM003190.D
 Acq On : 19 Nov 2015 13:46
 Operator : UM/IZ
 Sample : G4323-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HT3

Quant Time: Nov 20 07:17:09 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 03:16:26 2015
 Response via : Initial Calibration

Manual Integrations
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 11/20/2015 7:00:05 PM



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

25.690min (-0.177) 0.01ng/ul

response 1392

Ion	Exp%	Act%
276.00	100	100
138.00	0.00	0.00
277.00	0.00	28.02#
0.00	0.00	0.00

Quantitation Report (Qedit)

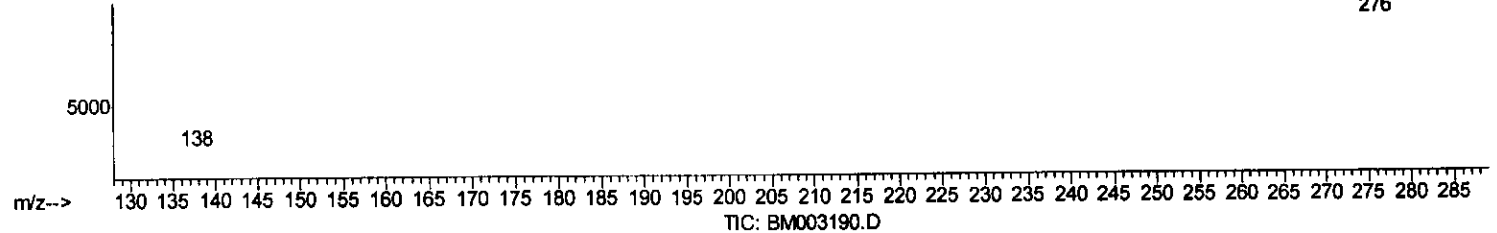
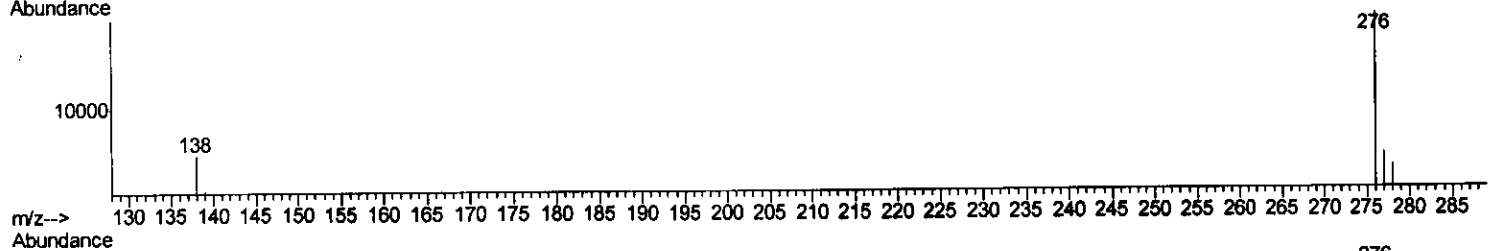
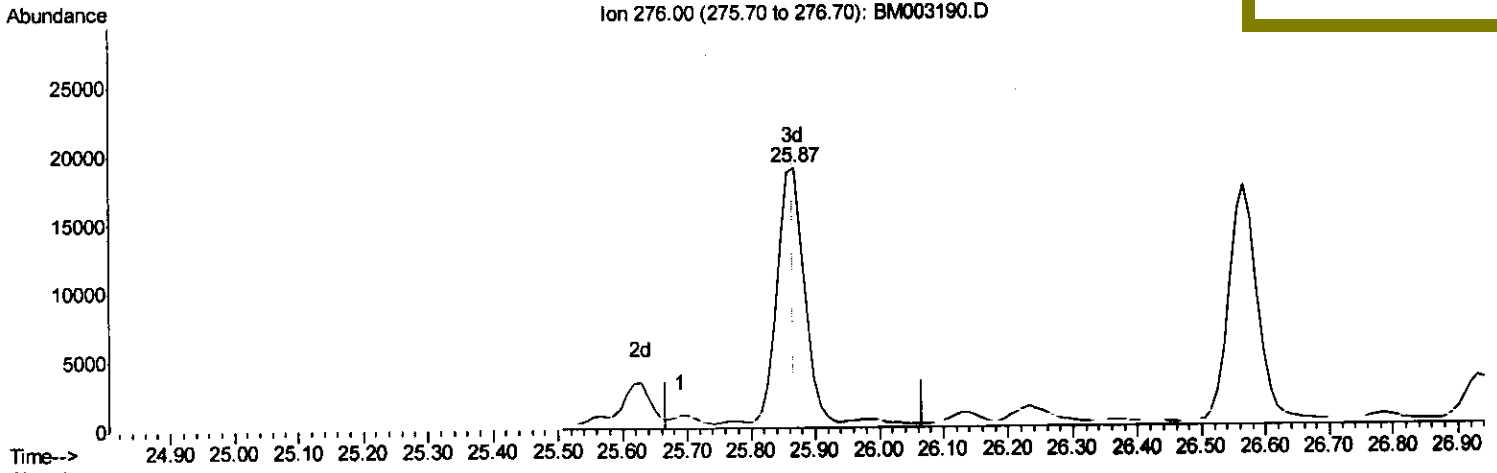
Data Path : Z:\HPCHEM1\BNA M\Data\BM111915\
 Data File : BM003190.D
 Acq On : 19 Nov 2015 13:46
 Operator : UM/IZ
 Sample : G4323-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 A4HT3

Quant Time: Nov 20 07:17:09 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 03:16:26 2015
 Response via : Initial Calibration

Manual Integrations
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 11/20/2015 7:00:05 PM



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

25.868min (-0.000) 0.21ng/ul m

response 55410

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Ion	Exp%	Act%
276.00	100	100
138.00	0.00	0.00
277.00	0.00	0.70#
0.00	0.00	0.00

Quantitation Report (Qedit)

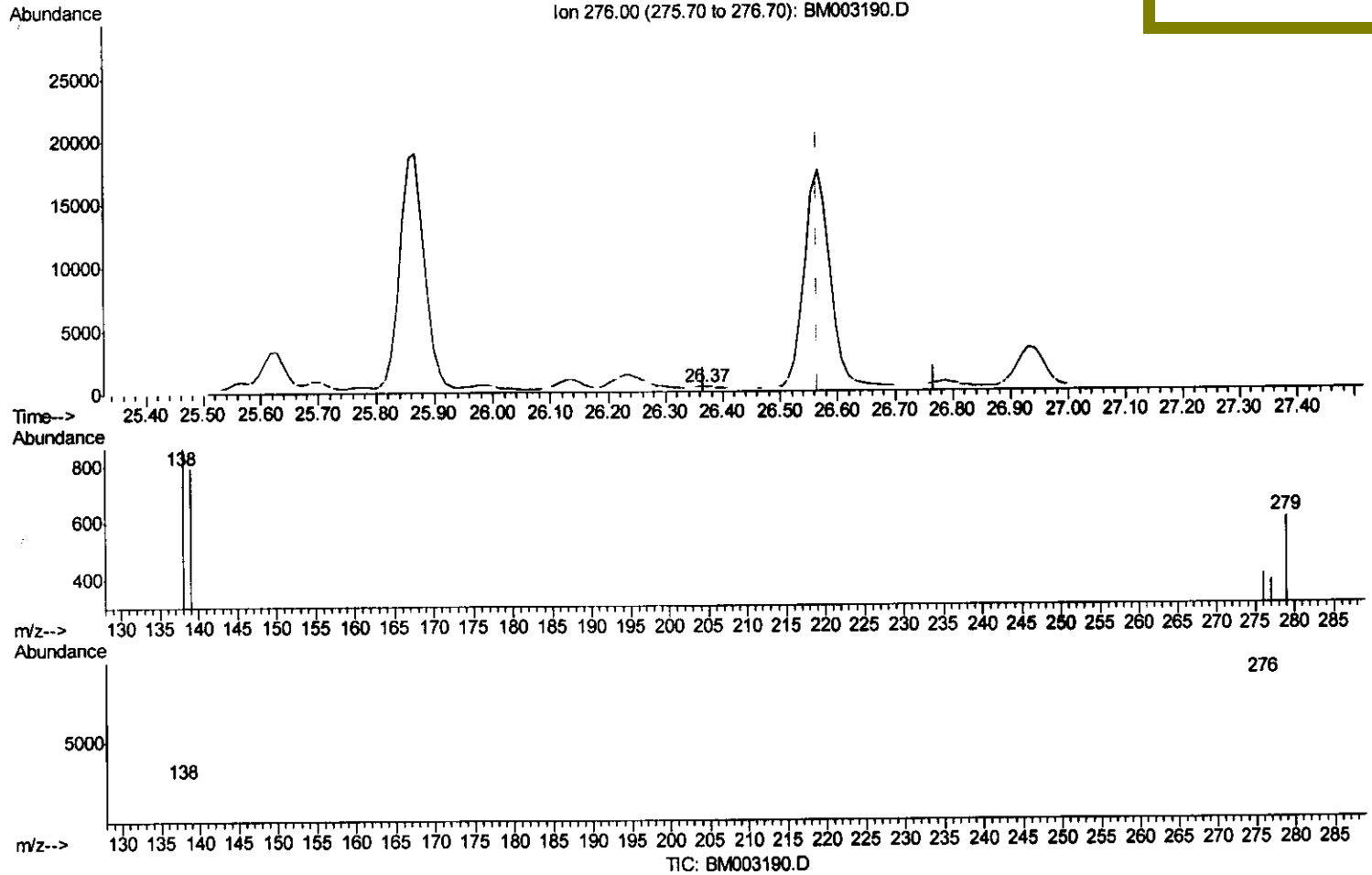
Data Path : Z:\HPCHEM1\BNA M\Data\BM111915\
 Data File : BM003190.D
 Acq On : 19 Nov 2015 13:46
 Operator : UM/IZ
 Sample : G4323-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HT3

Quant Time: Nov 20 07:17:09 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 03:16:26 2015
 Response via : Initial Calibration

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

26.368min (-0.198) 0.00ng/ul

response 794

Ion	Exp%	Act%
276.00	100	100
277.00	23.60	94.78#
138.00	28.10	214.93#
0.00	0.00	0.00

Quantitation Report (Qedit)

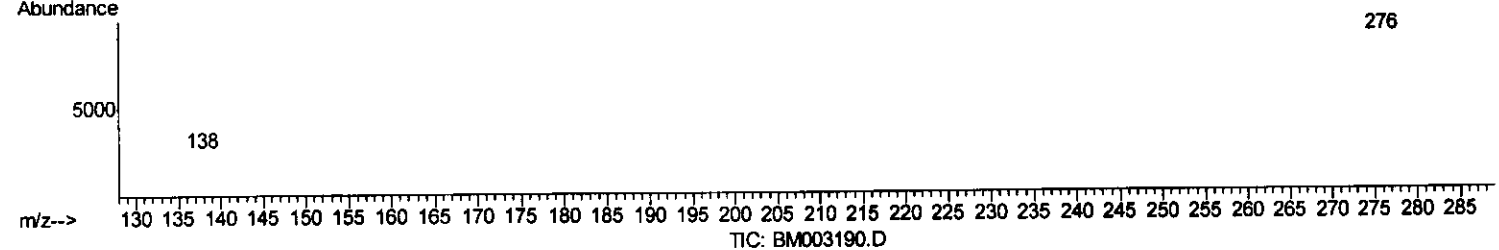
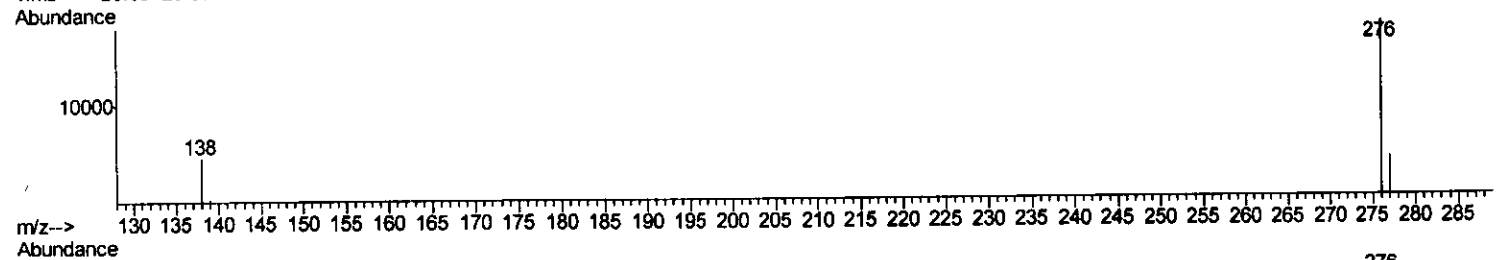
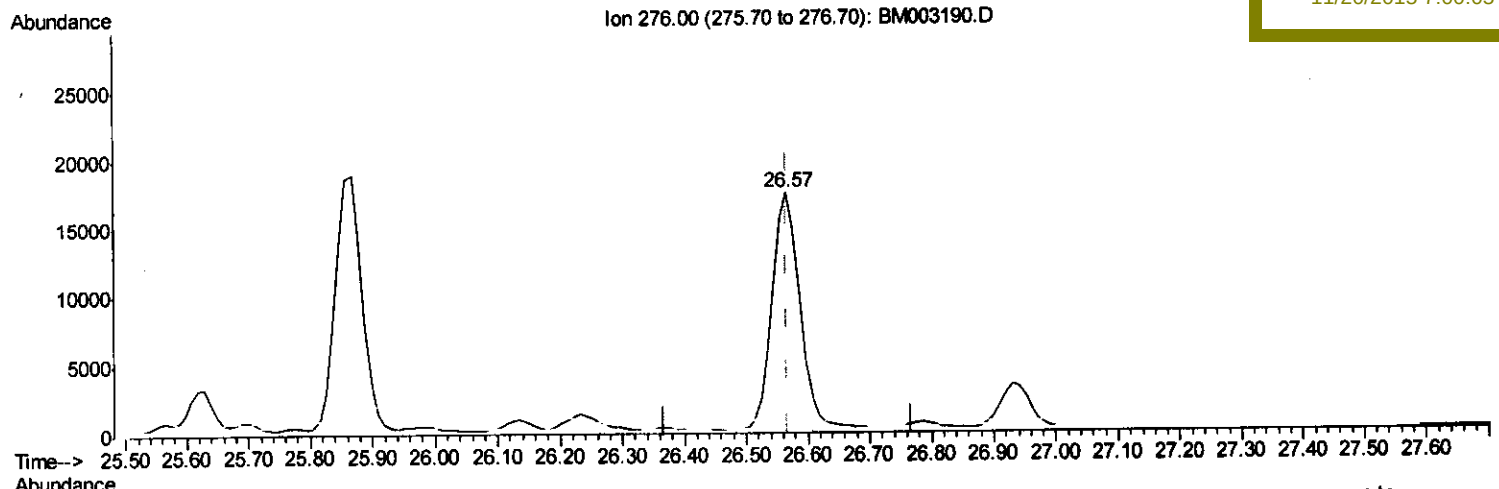
Data Path : Z:\HPCHEM1\BNA M\Data\BM111915\
 Data File : BM003190.D
 Acq On : 19 Nov 2015 13:46
 Operator : UM/IZ
 Sample : G4323-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HT3

Quant Time: Nov 20 07:17:09 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 03:16:26 2015
 Response via : Initial Calibration

Manual Integrations
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 11/20/2015 7:00:05 PM



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

26.566min (-0.000) 0.23ng/ul m

response 54974

Ion	Exp%	Act%
276.00	100	100
277.00	23.60	24.69
138.00	28.10	28.18
0.00	0.00	0.00

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 11/21/15

Data Path : Z:\HPCHEM1\BNA M\Data\BM111915\
 Data File : BM003190.D
 Acq On : 19 Nov 2015 13:46
 Operator : UM/IZ
 Sample : G4323-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HT3

Quant Time: Nov 20 07:19:39 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	15160	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	56329	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	29556	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	61998m	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	61066	0.40	ng/ul	0.00
22) Perylene-d12	23.58	264	66152m	0.40	ng/ul	0.00

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System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	61145	3.78	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	16652	0.22	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	35910	0.24	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	10.58	128	18798	0.13	ng/ul	97
7) 2-Methylnaphthalene	12.19	142	1040	0.01	ng/ul#	100
9) Acenaphthylene	14.09	152	7533	0.06	ng/ul#	90
13) Pentachlorophenol	16.78	266	3408	0.23	ng/ul#	17
14) Phenanthrene	17.17	178	34651	0.19	ng/ul	98
17) Fluoranthene	19.19	202	98729m	0.49	ng/ul	
19) Pyrene	19.55	202	106361	0.51	ng/ul#	95
20) Benzo(a)anthracene	21.31	228	62445	0.35	ng/ul#	89
21) Chrysene	21.36	228	62194	0.31	ng/ul	96
23) Benzo(b)fluoranthene	22.91	252	111001m	0.44	ng/ul	
25) Benzo(a)pyrene	23.49	252	67315m	0.30	ng/ul	
26) Indeno(1,2,3-cd)pyrene	25.87	276	55410m	0.21	ng/ul	
28) Benzo(g,h,i)perylene	26.57	276	54974m	0.23	ng/ul	

U.M.
 11/21/15

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