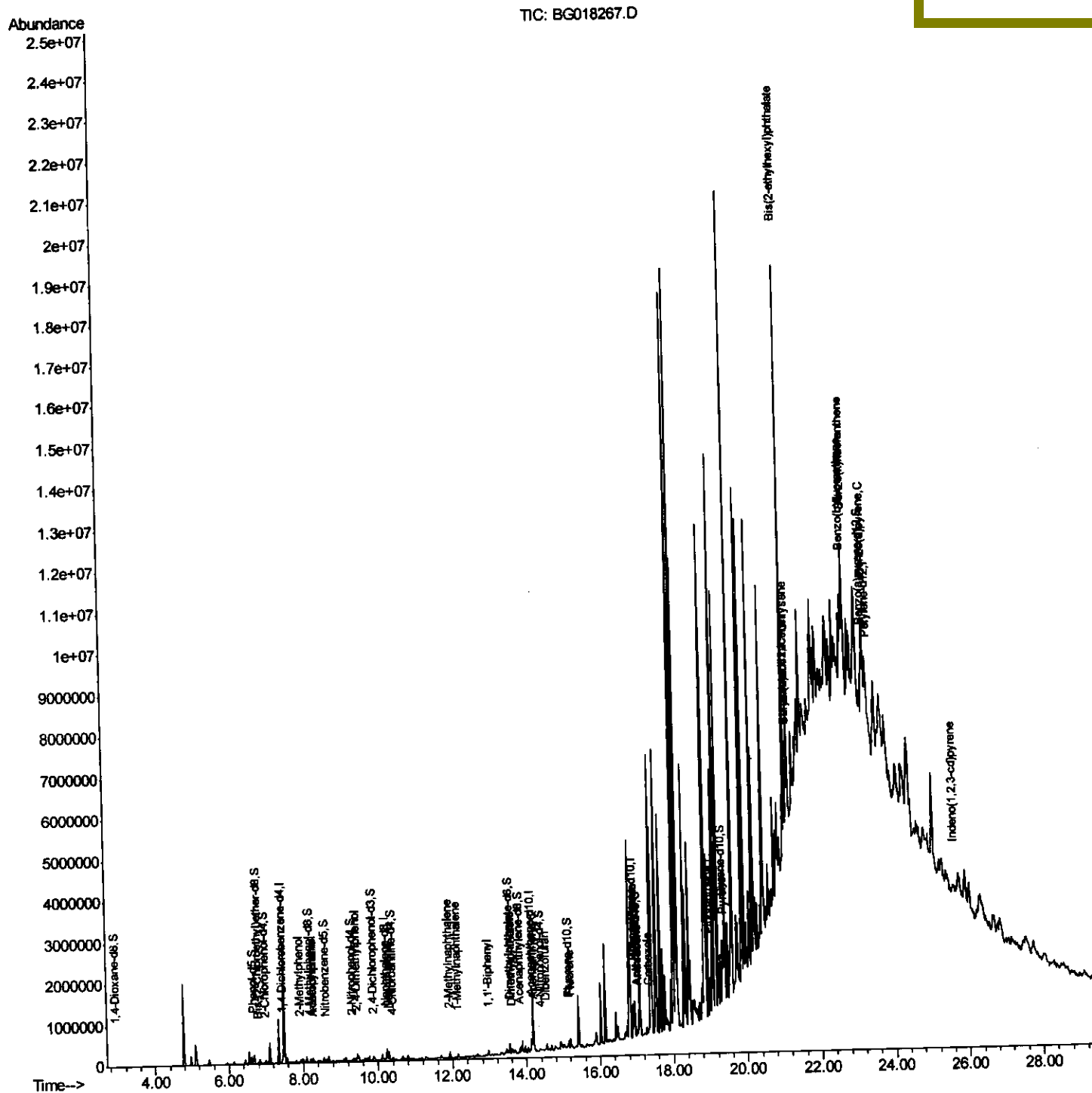


Quant Time: Aug 07 04:17:51 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:27:11 2015
Response via : Initial Calibration

Manual Integrations

MMDadoda
8/7/2015 4:40:59 PM



Quantitation Report (Qedit)

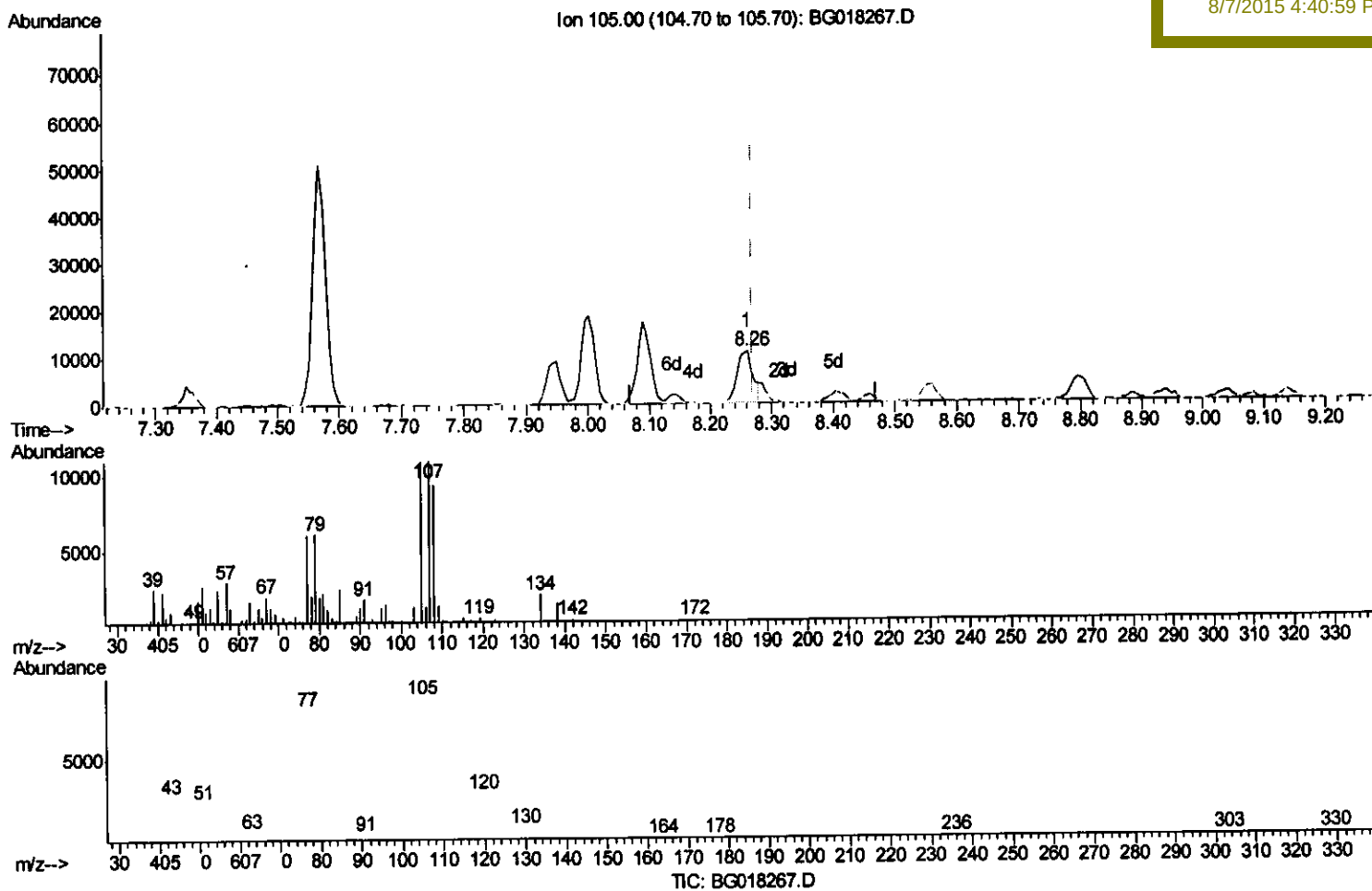
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Quant Time: Aug 05 05:25:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 8/7/2015 4:40:59 PM



(14) Acetophenone

8.261min (-0.009) 3.81ng/ul

response 19987

Ion	Exp%	Act%
105.00	100	100
77.00	73.00	55.43#
51.00	20.60	24.03
0.00	0.00	0.00

Quantitation Report (Qedit)

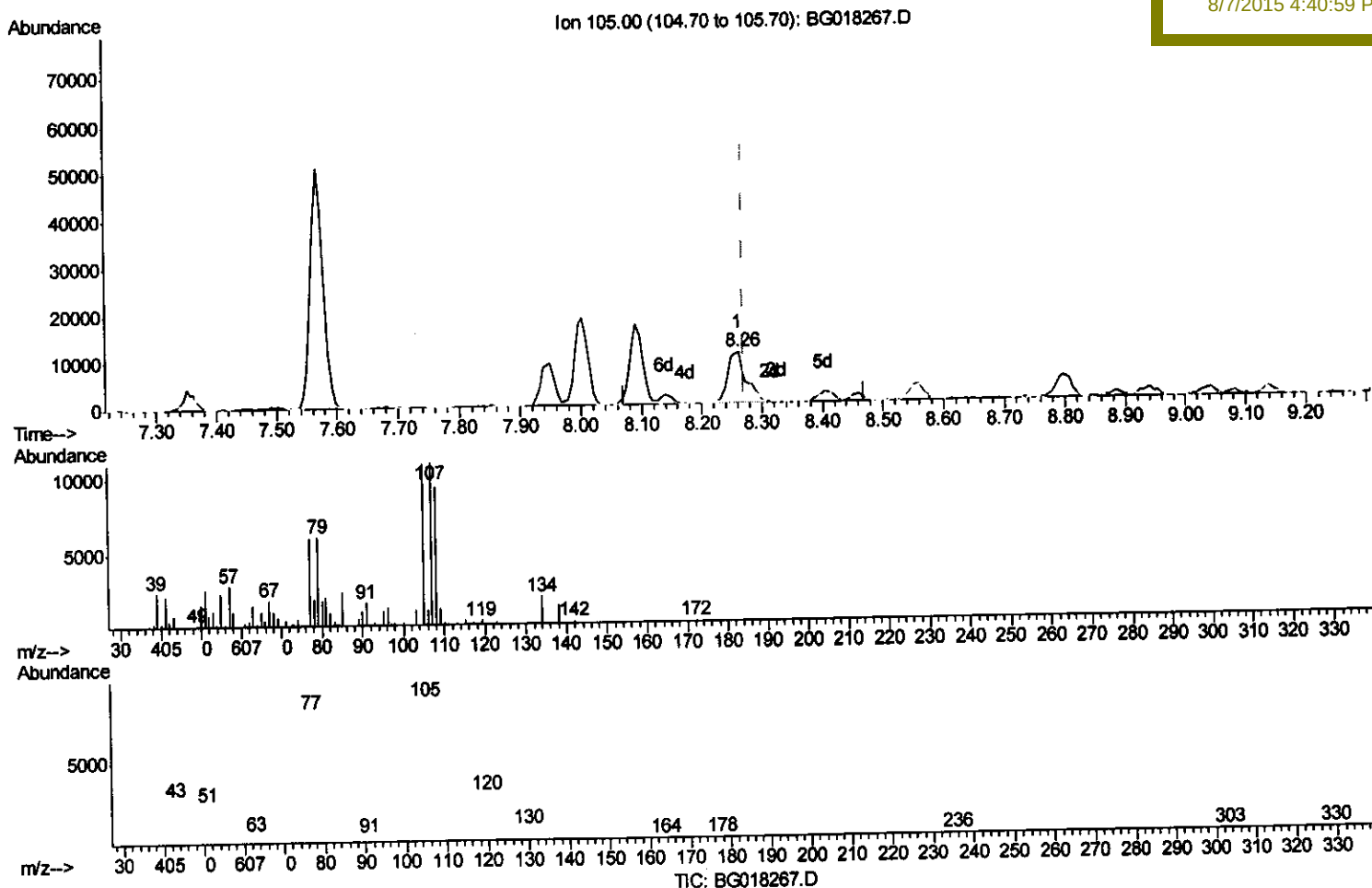
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Quant Time: Aug 05 05:25:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 8/7/2015 4:40:59 PM



(14) Acetophenone

8.261min (-0.009) 4.35ng/ul m

response 22836

T.P
 8/8/15

Ion	Exp%	Act%
105.00	100	100
77.00	73.00	55.43#
51.00	20.60	24.03
0.00	0.00	0.00

Quantitation Report (Qedit)

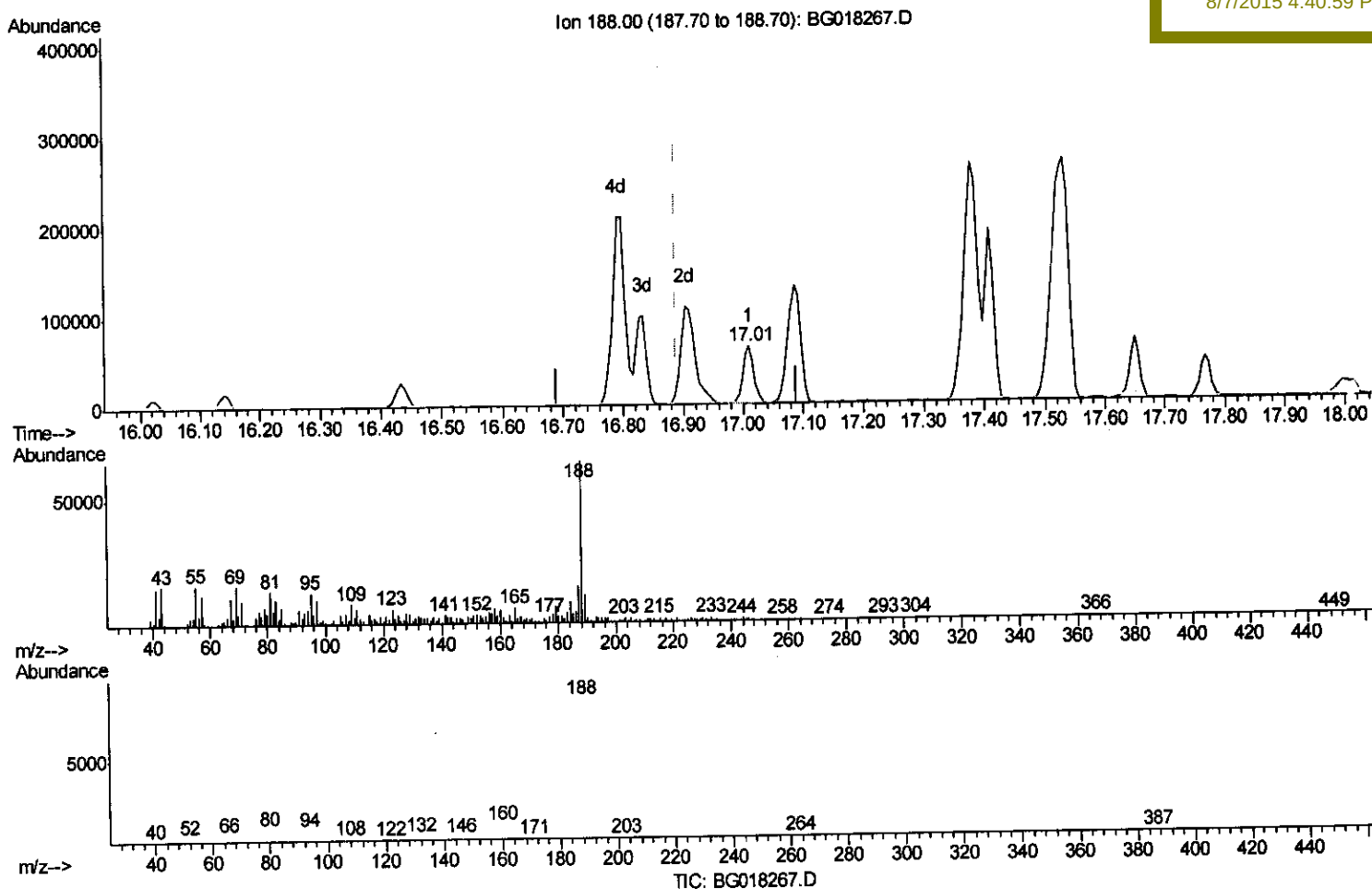
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 05 05:25:39 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:27:11 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C02F4

Manual Integrations
APPROVED

MMDadoda
8/7/2015 4:40:59 PM



(62) Phenanthrene-d10 (I)

17.009min (+0.120) 20.00ng/ul

response 83447

Ion	Exp%	Act%
188.00	100	100
94.00	7.90	8.92
80.00	7.40	6.86
0.00	0.00	0.00

Quantitation Report (Qedit)

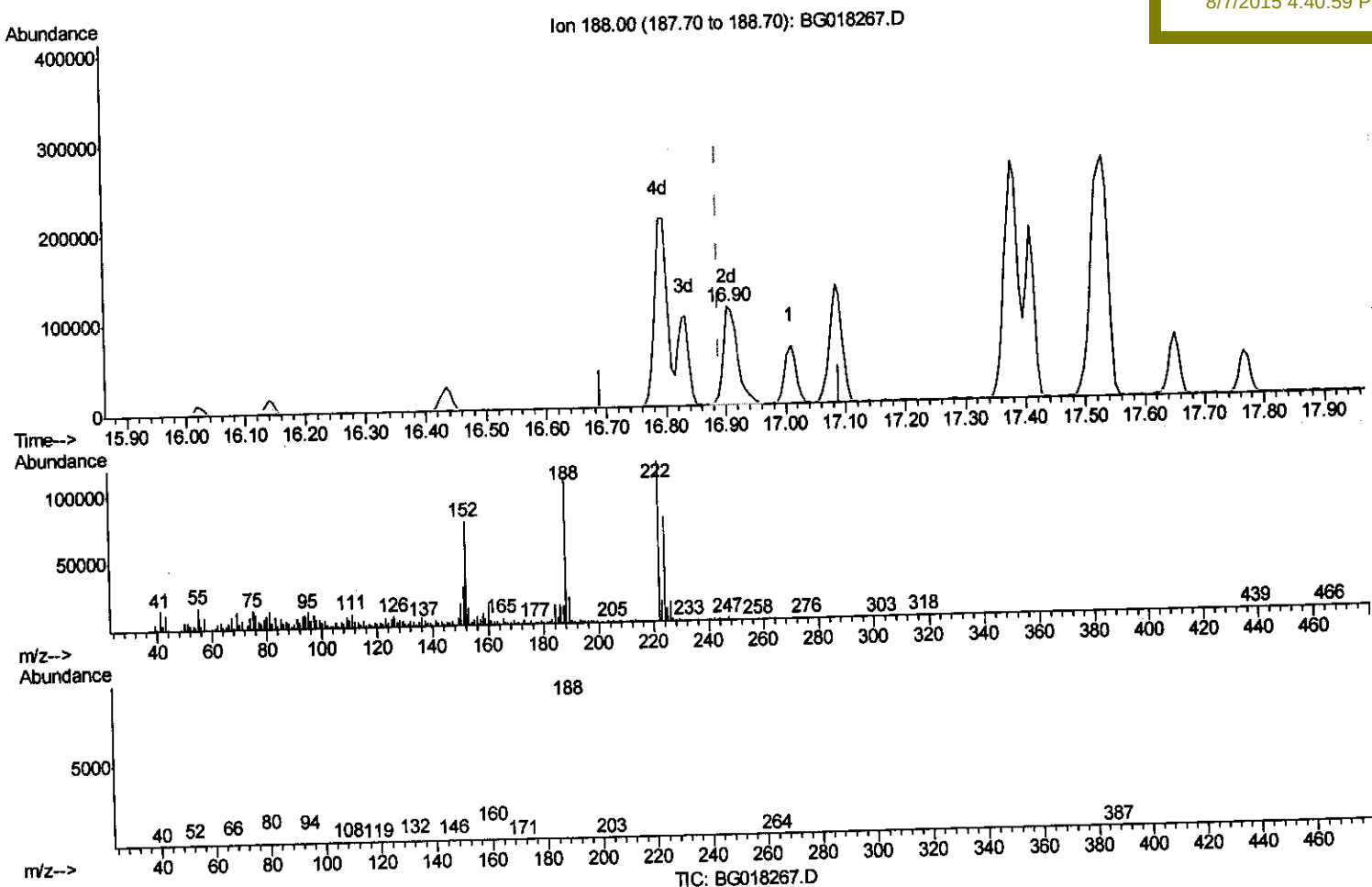
Data Path : Z:\HPCHEM1\BNA_G\Data\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Quant Time: Aug 07 04:17:51 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 8/7/2015 4:40:59 PM



(62) Phenanthrene-d10 (I)

16.904min (+0.014) 20.00ng/ul m

response 185702

Ion	Exp%	Act%
188.00	100	100
94.00	7.90	9.24
80.00	7.40	9.08#
0.00	0.00	0.00

T.P
 8/8/15

Quantitation Report (Qedit)

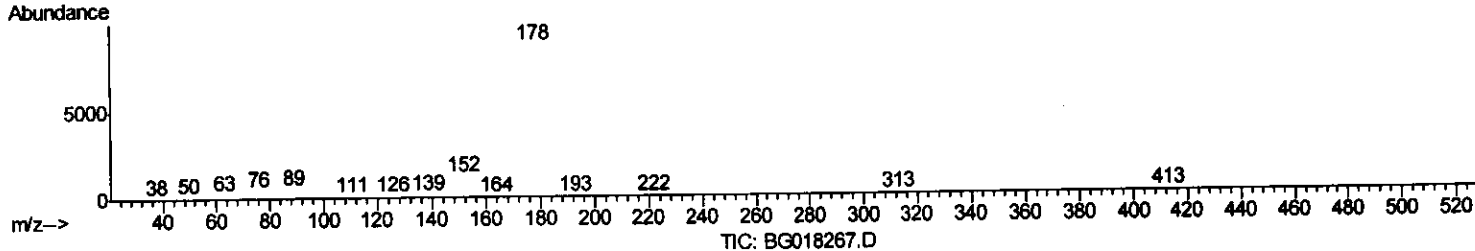
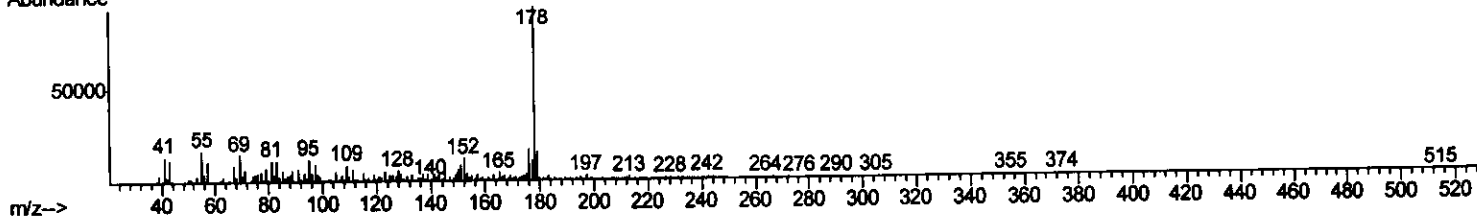
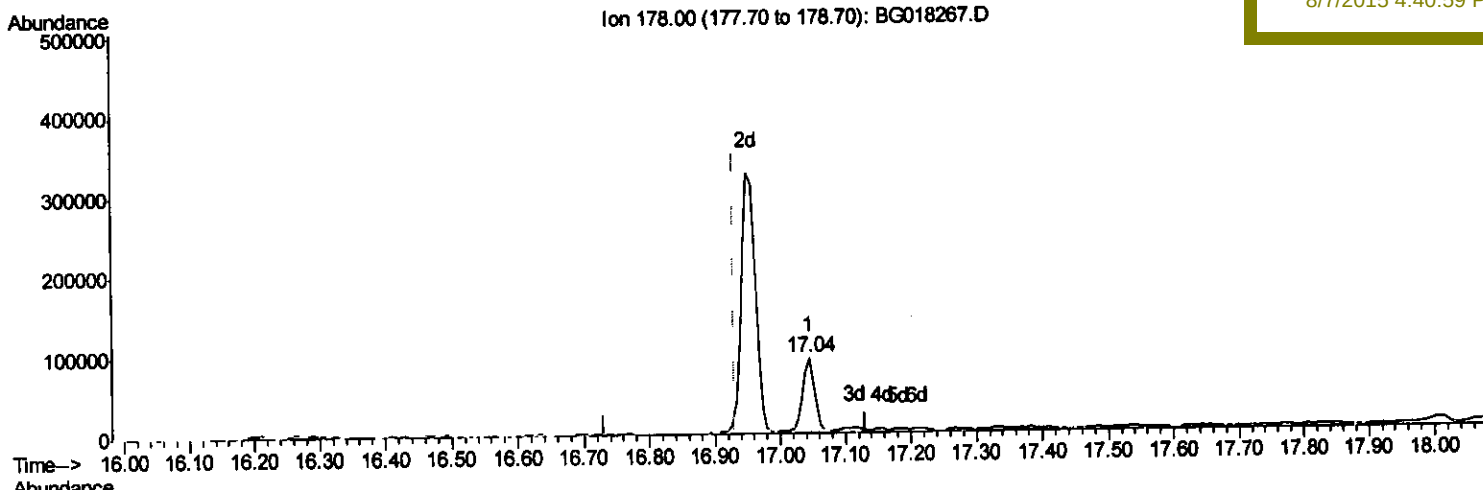
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 05 05:25:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Manual Integrations
 APPROVED

MMDadoda
 8/7/2015 4:40:59 PM



(70) Phenanthrene

17.045min (+0.114) 12.48ng/ul

response 117744

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	16.69
176.00	20.00	18.19
0.00	0.00	0.00

Quantitation Report (Qedit)

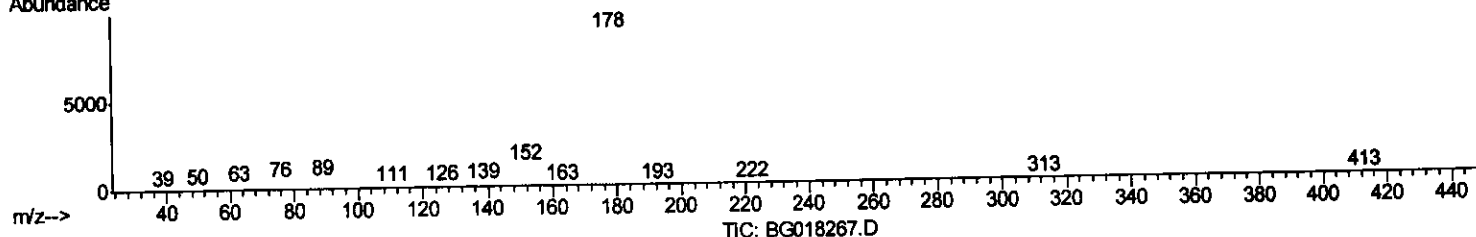
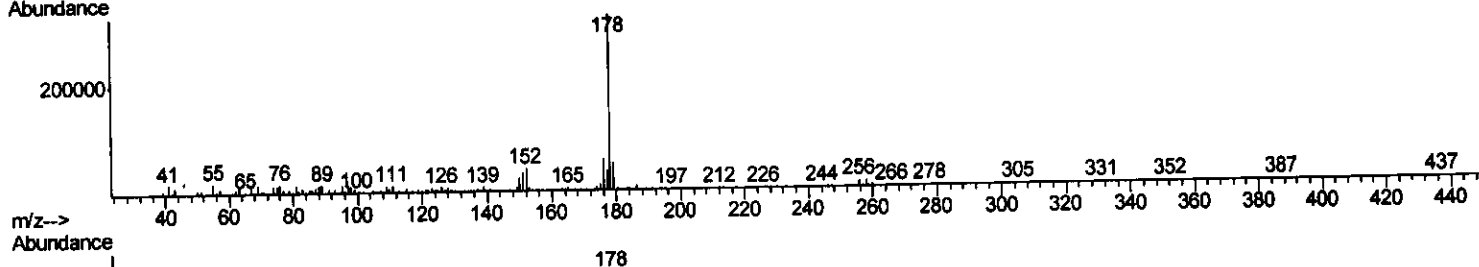
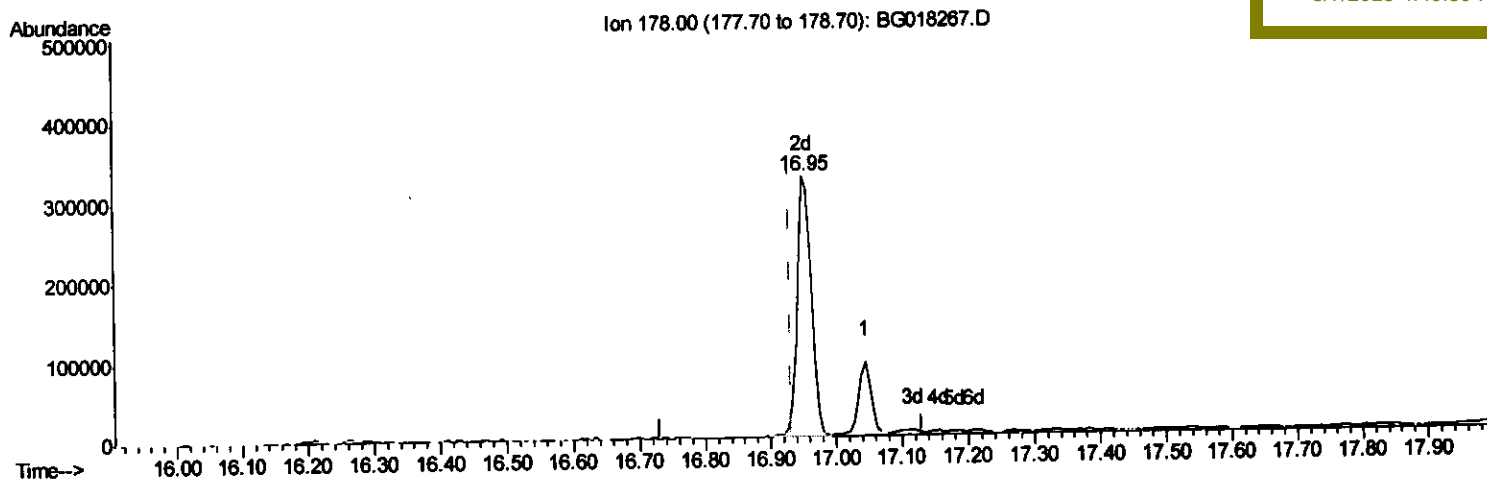
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Quant Time: Aug 05 05:25:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 8/7/2015 4:40:59 PM



(70) Phenanthrene

16.951min (+0.020) 52.34ng/ul m

response 493791

T.P
 8/8/15

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	15.99
176.00	20.00	18.20
0.00	0.00	0.00

Quantitation Report (Qedit)

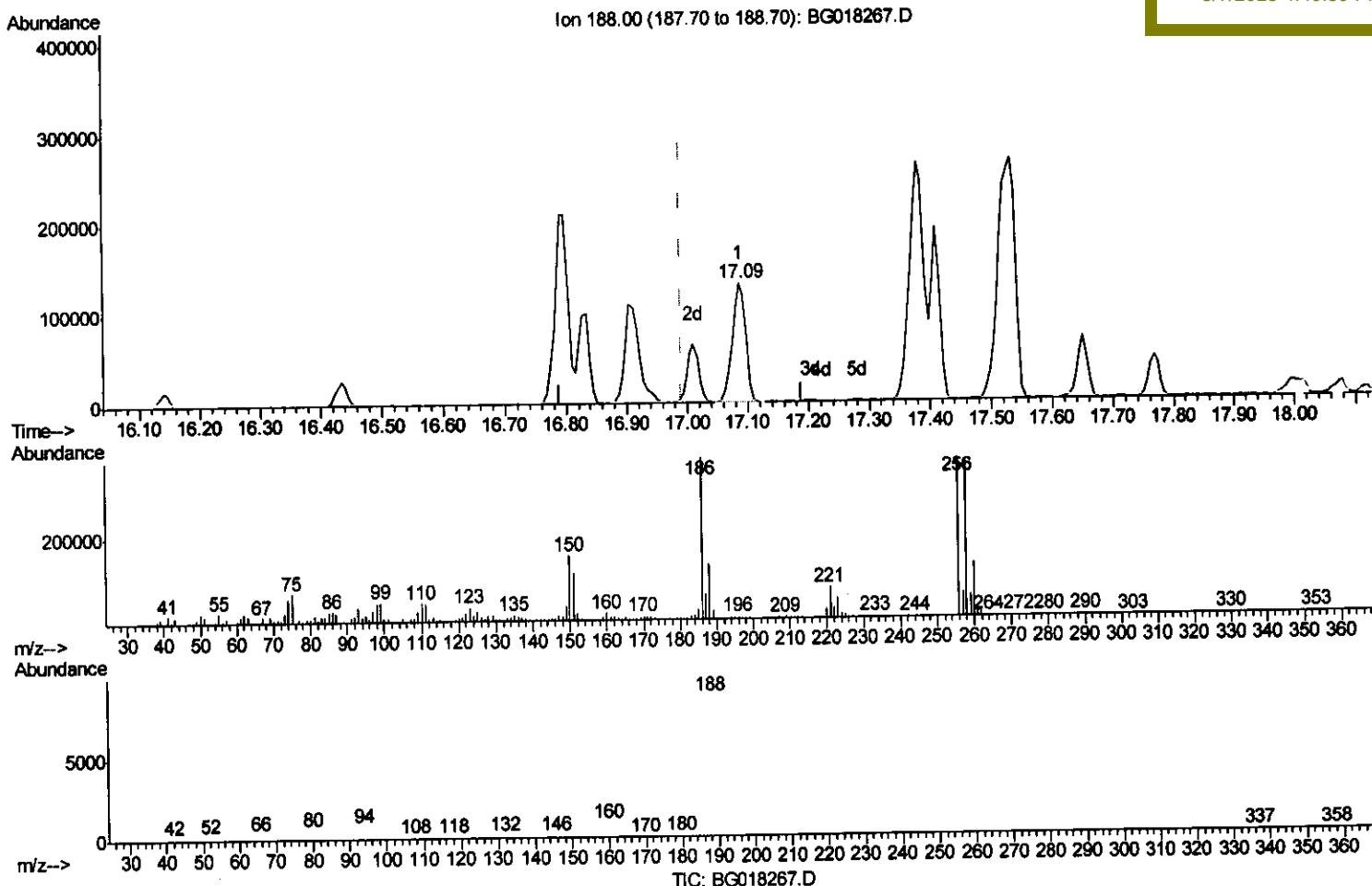
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Quant Time: Aug 05 05:25:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 8/7/2015 4:40:59 PM



(71) Anthracene-d10 (S)
 17.086min (+0.096) 24.41ng/ul
 response 197134

Ion	Exp%	Act%
188.00	100	100
94.00	8.10	8.29
80.00	6.10	5.95
0.00	0.00	0.00

Quantitation Report (Qedit)

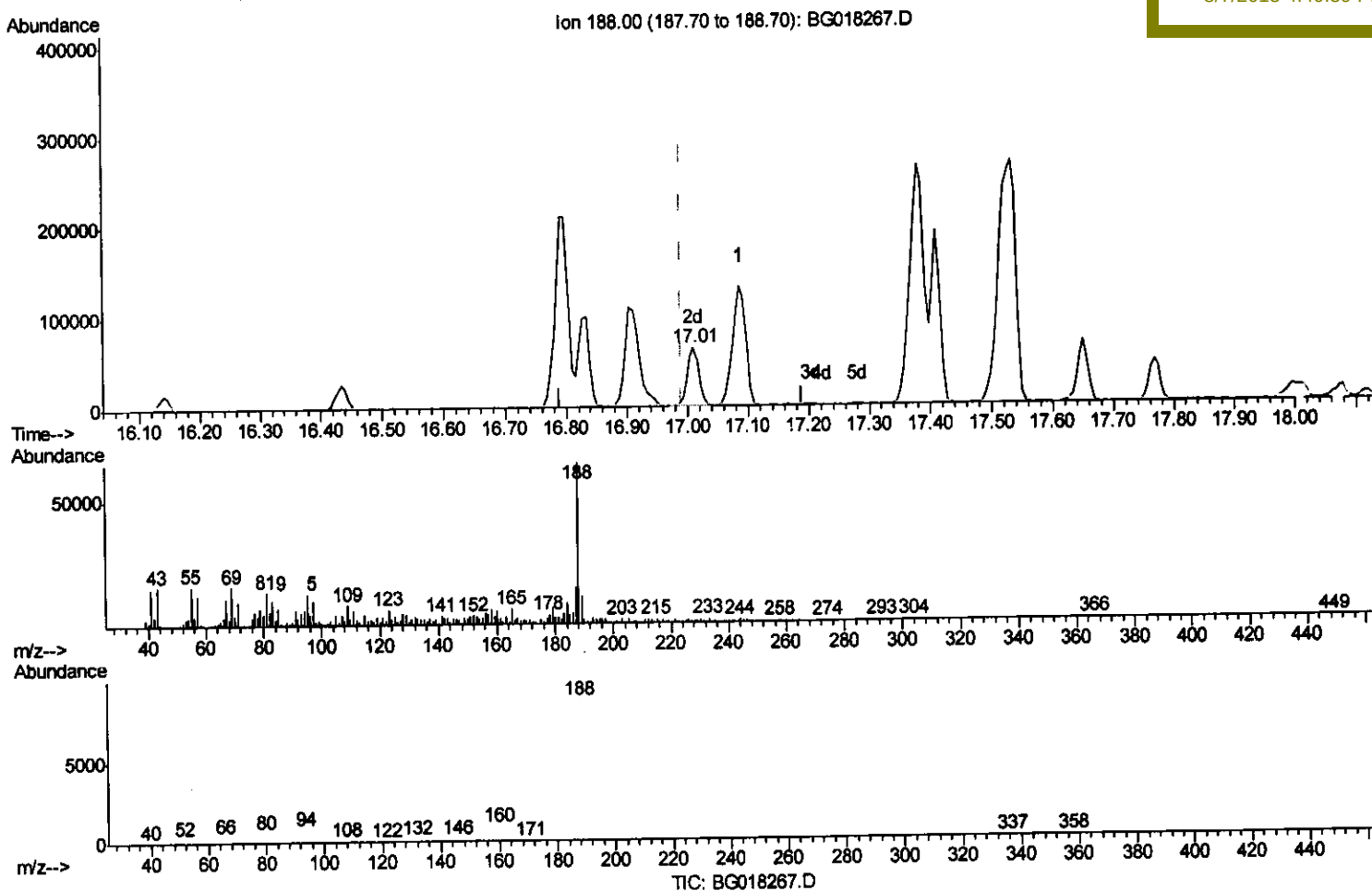
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Quant Time: Aug 05 05:25:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 8/7/2015 4:40:59 PM



(71) Anthracene-d10 (S)

17.009min (+0.020) 10.66ng/ul m

response 86099

Ion	Exp%	Act%
188.00	100	100
94.00	8.10	8.92
80.00	6.10	6.86
0.00	0.00	0.00

T.P
 8/8/15

Quantitation Report (Qedit)

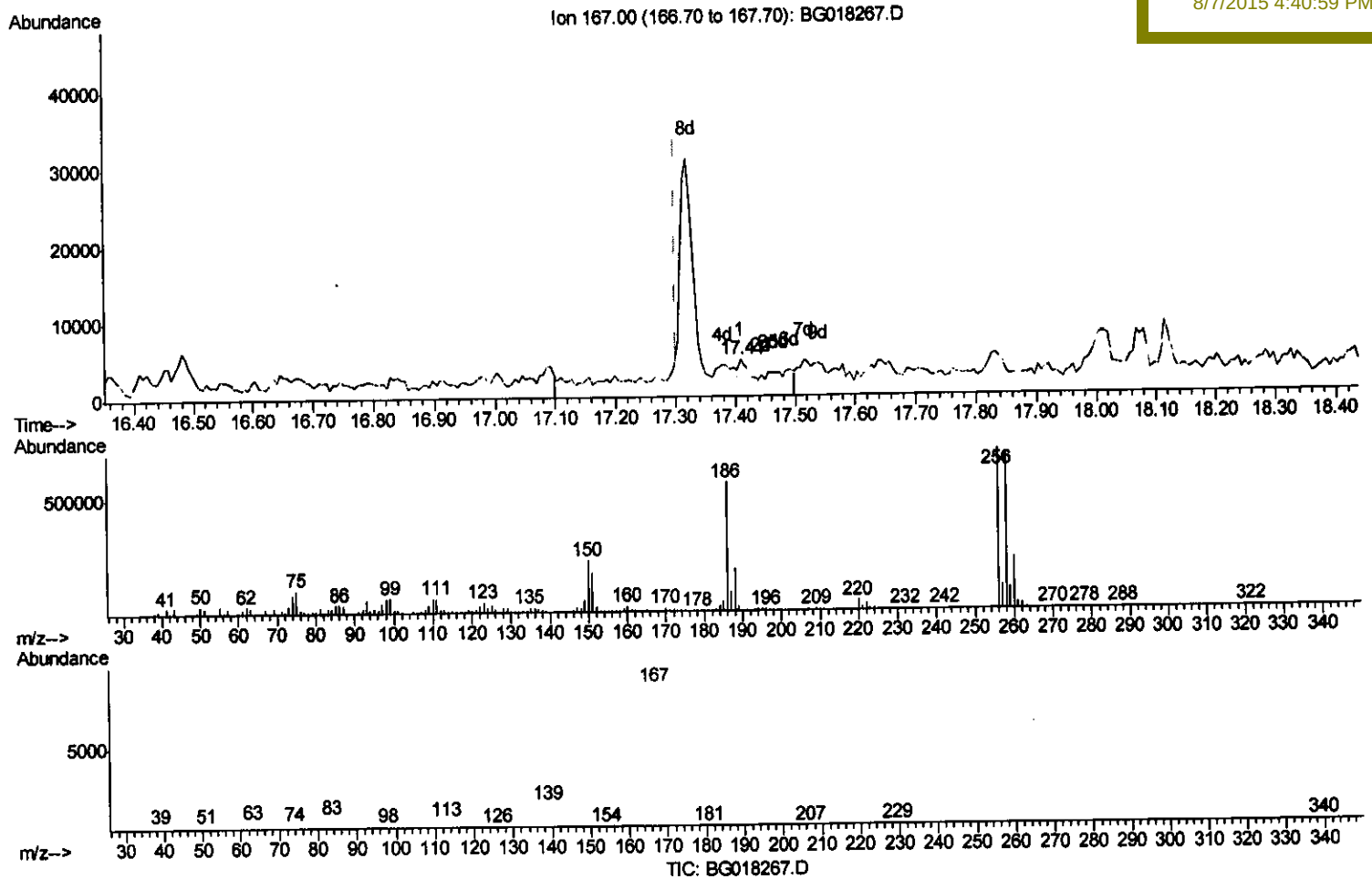
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 05 05:25:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Manual Integrations
 APPROVED

MMDadoda
 8/7/2015 4:40:59 PM



(75) Carbazole

17.409min (+0.108) 0.36ng/ul

response 2844

Ion	Exp%	Act%
167.00	100	100
166.00	21.90	66.87#
139.00	12.60	145.36#
0.00	0.00	0.00

Quantitation Report (Qedit)

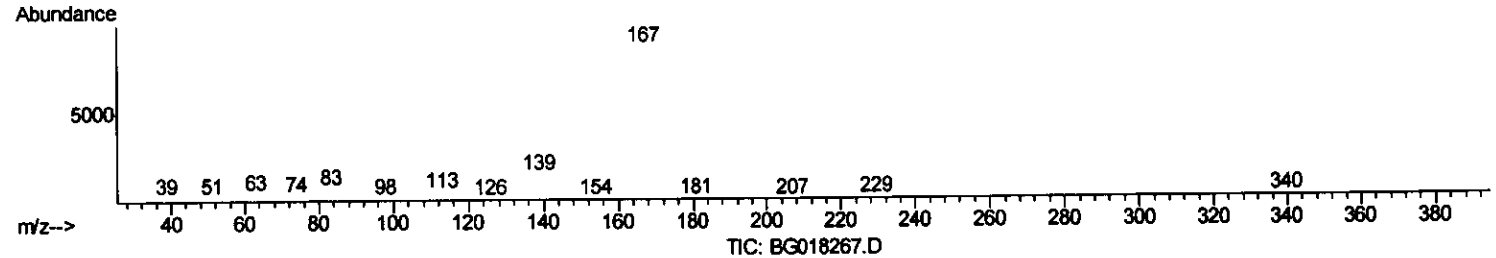
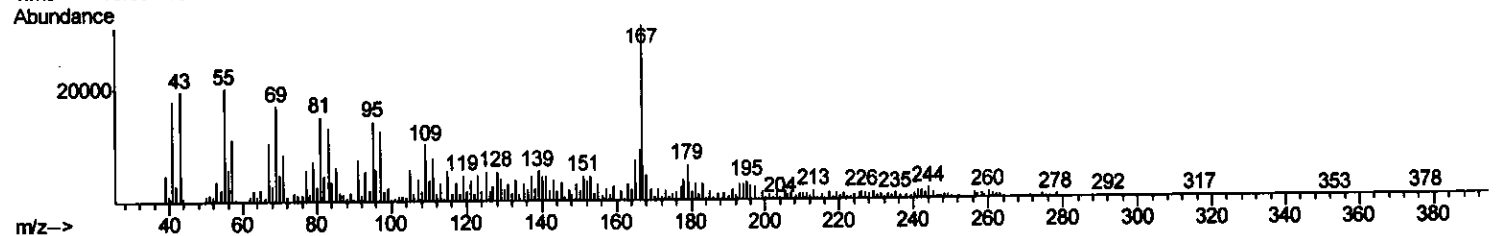
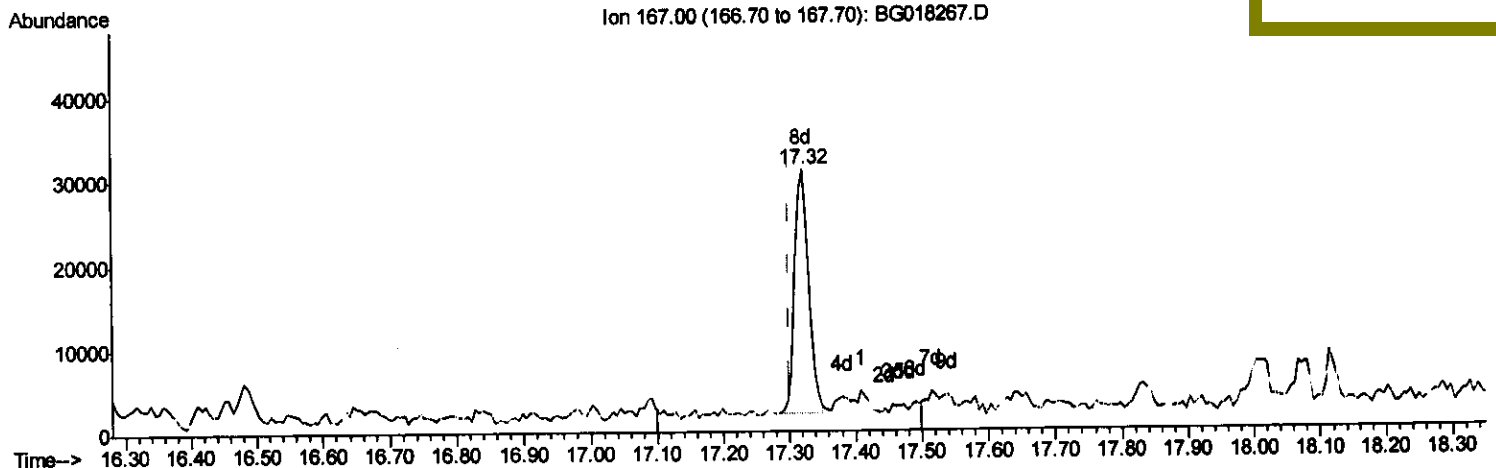
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Quant Time: Aug 05 05:25:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 8/7/2015 4:40:59 PM



(75) Carbazole

17.321min (+0.020) 5.57ng/ul m

response 43470

Ion Exp% Act%

167.00	100	100
166.00	21.90	28.87#
139.00	12.60	17.37#
0.00	0.00	0.00

T.P
 8/8/15

Quantitation Report (Qedit)

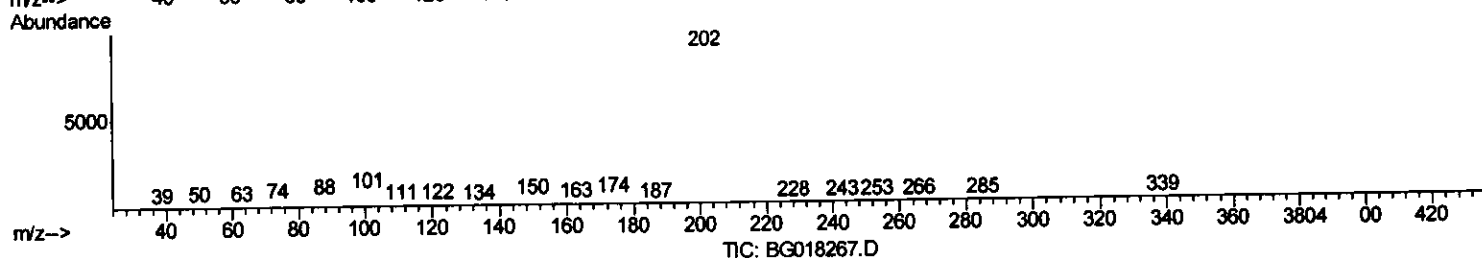
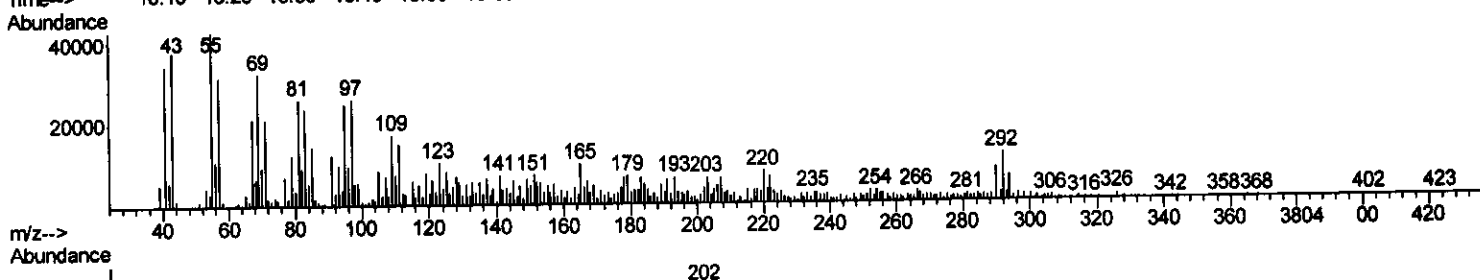
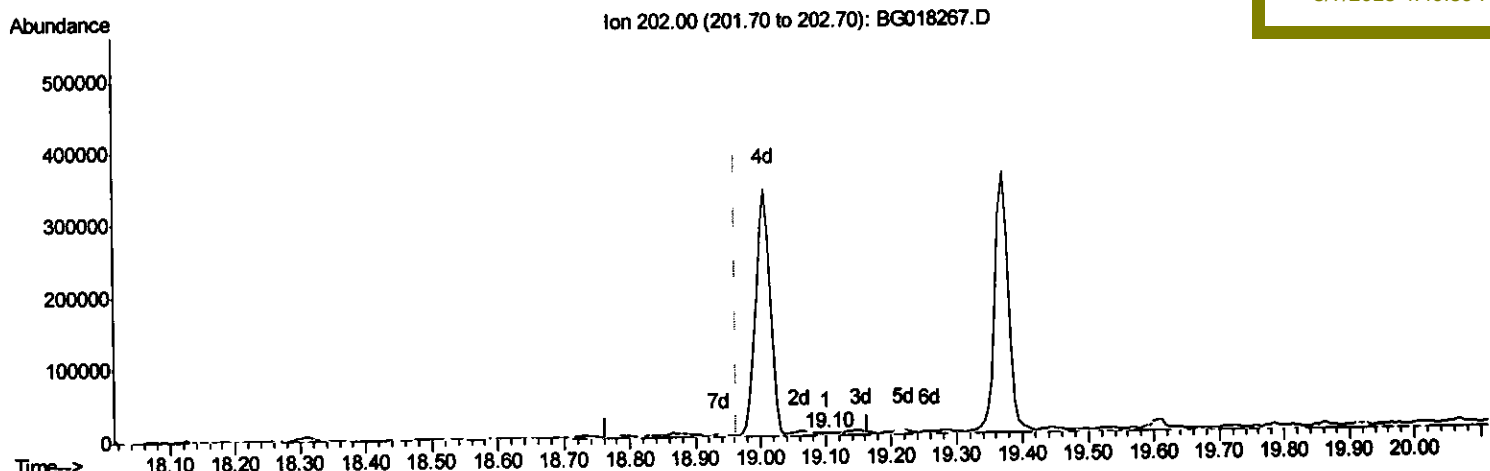
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Quant Time: Aug 05 05:25:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 8/7/2015 4:40:59 PM



(77) Fluoranthene (C)

19.101min (+0.138) 0.18ng/ul

response 1871

Ion	Exp%	Act%
202.00	100	100
101.00	9.40	22.23#
100.00	6.90	22.91#
0.00	0.00	0.00

Quantitation Report (Qedit)

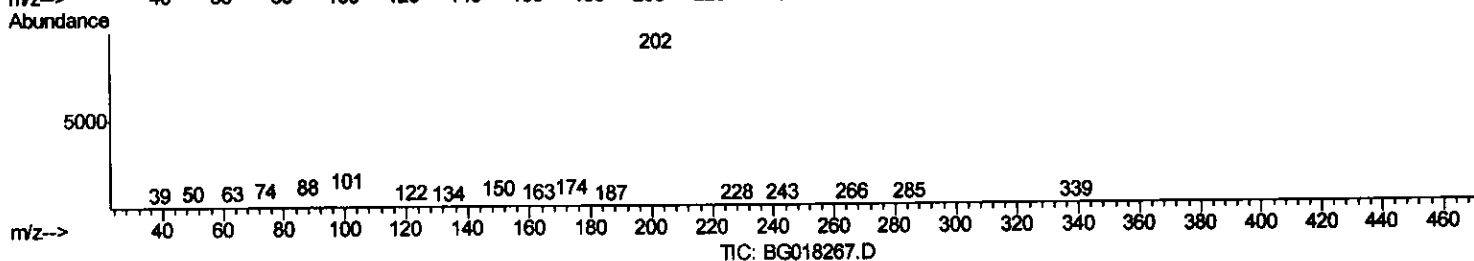
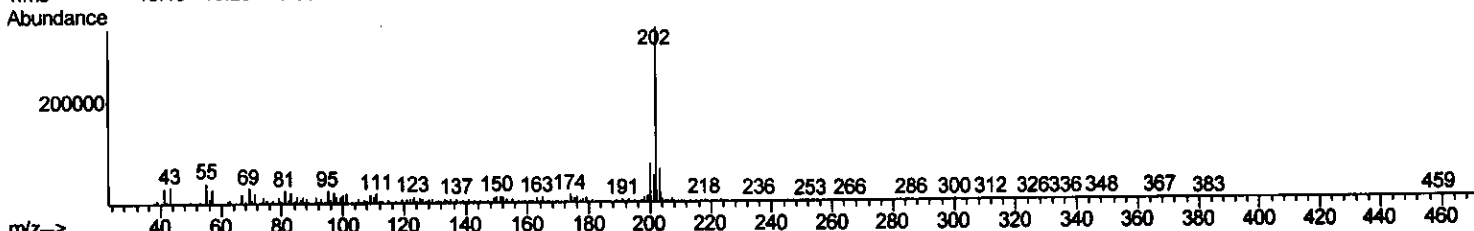
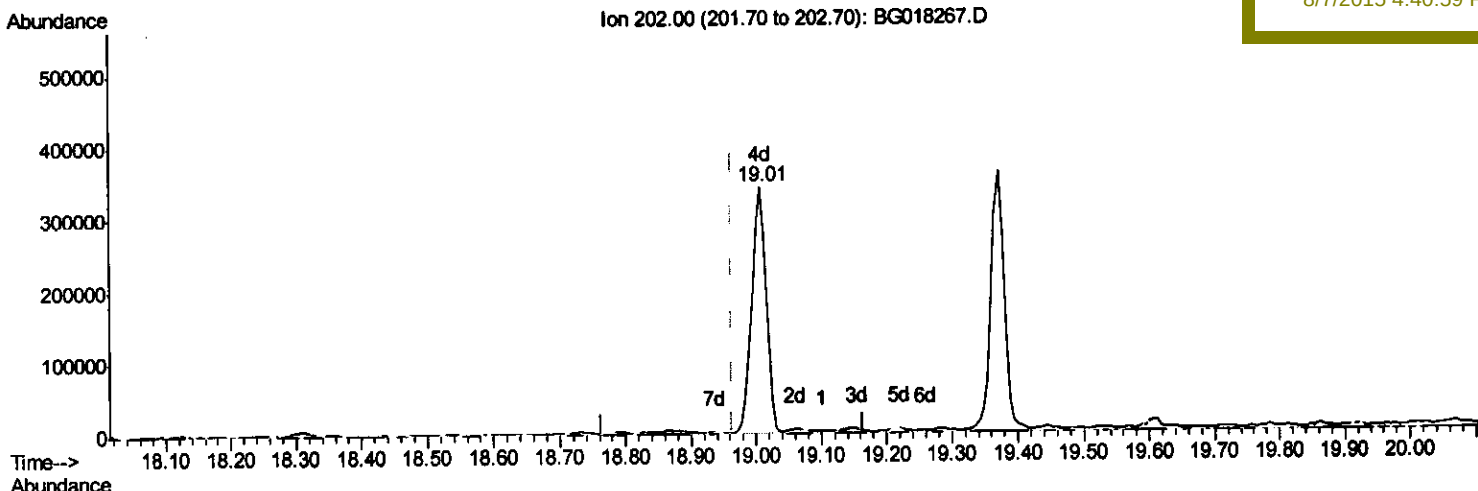
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Quant Time: Aug 05 05:25:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 8/7/2015 4:40:59 PM



(77) Fluoranthene (C)

19.007min (+0.044) 50.82ng/ul m

response 526540

Ion	Exp%	Act%
202.00	100	100
101.00	9.40	5.46#
100.00	6.90	4.64#
0.00	0.00	0.00

T.P
 8/8/15

Quantitation Report (Qedit)

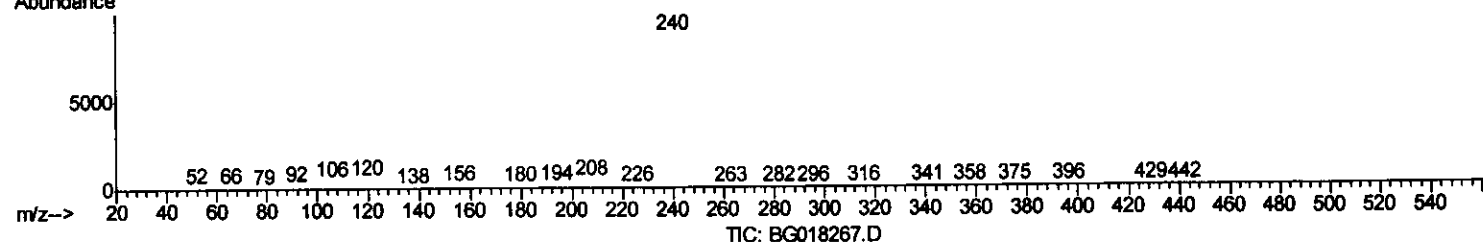
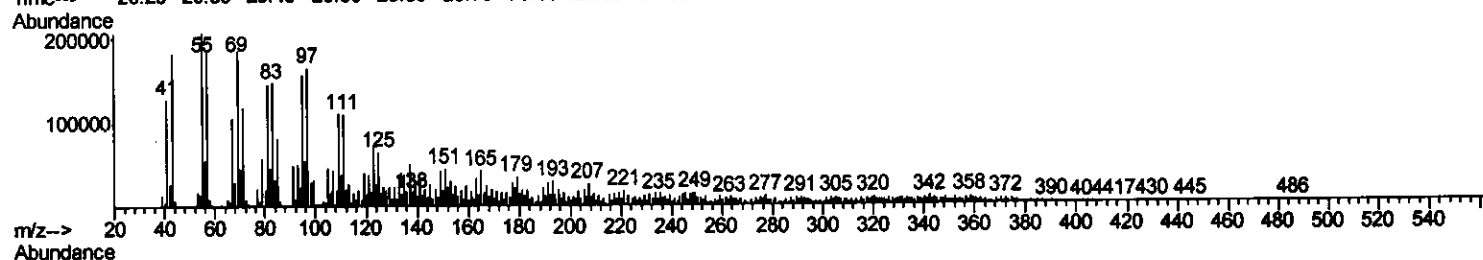
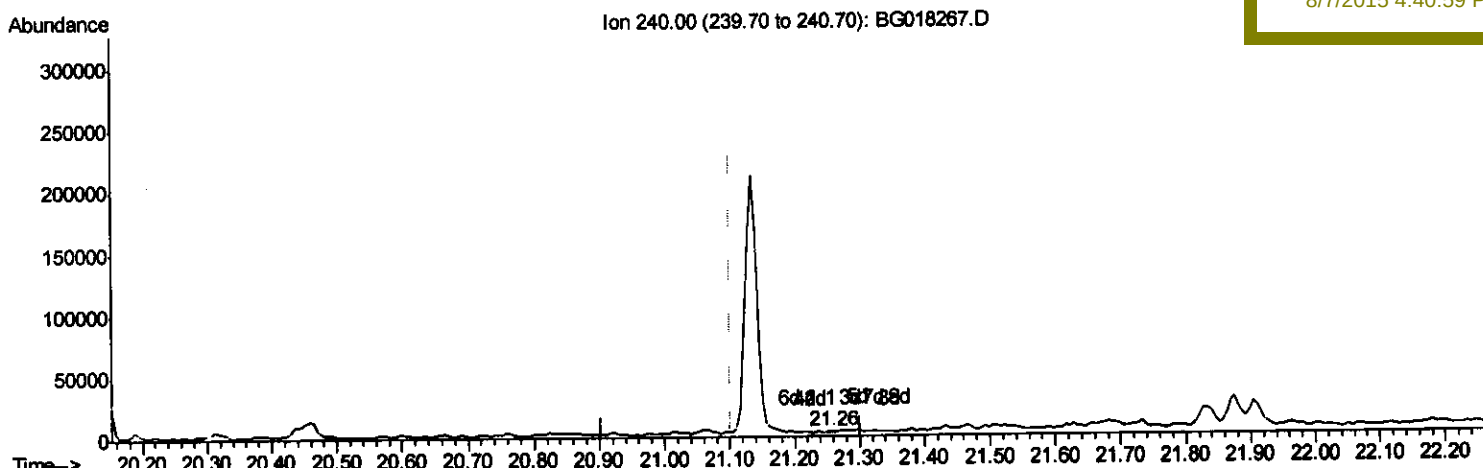
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Quant Time: Aug 05 05:25:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 8/7/2015 4:40:59 PM



(78) Chrysene-d12 (I)

21.257min (+0.155) 20.00ng/ul

response 1099

Ion	Exp%	Act%
240.00	100	100
120.00	9.70	313.99#
236.00	24.90	180.45#
0.00	0.00	0.00

Quantitation Report (Qedit)

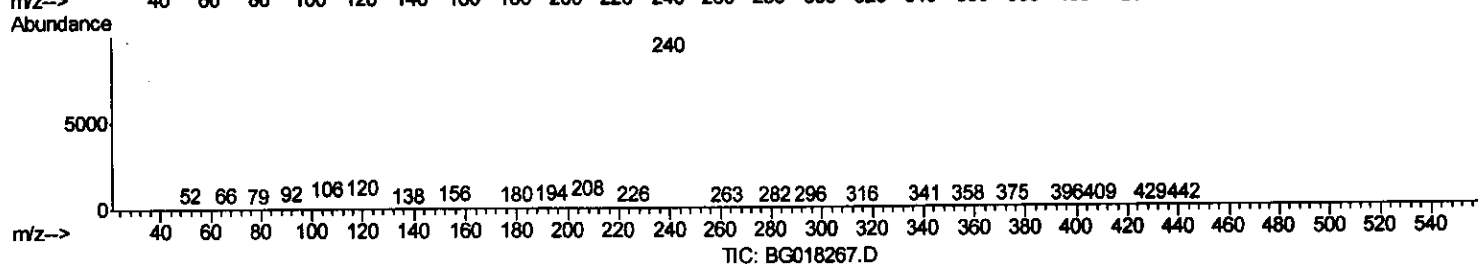
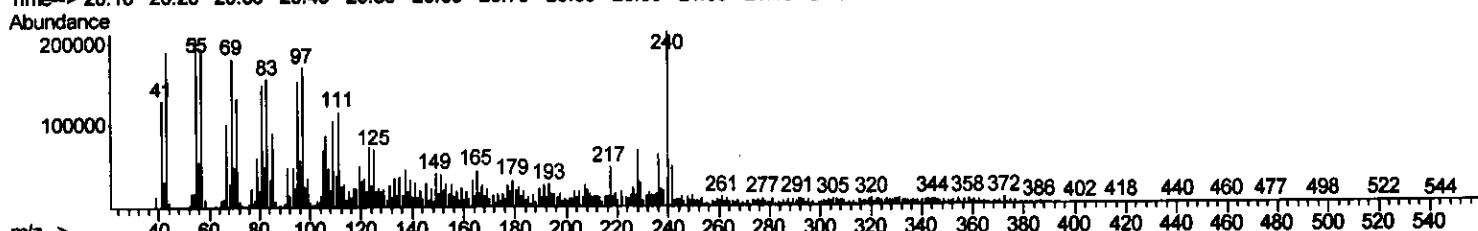
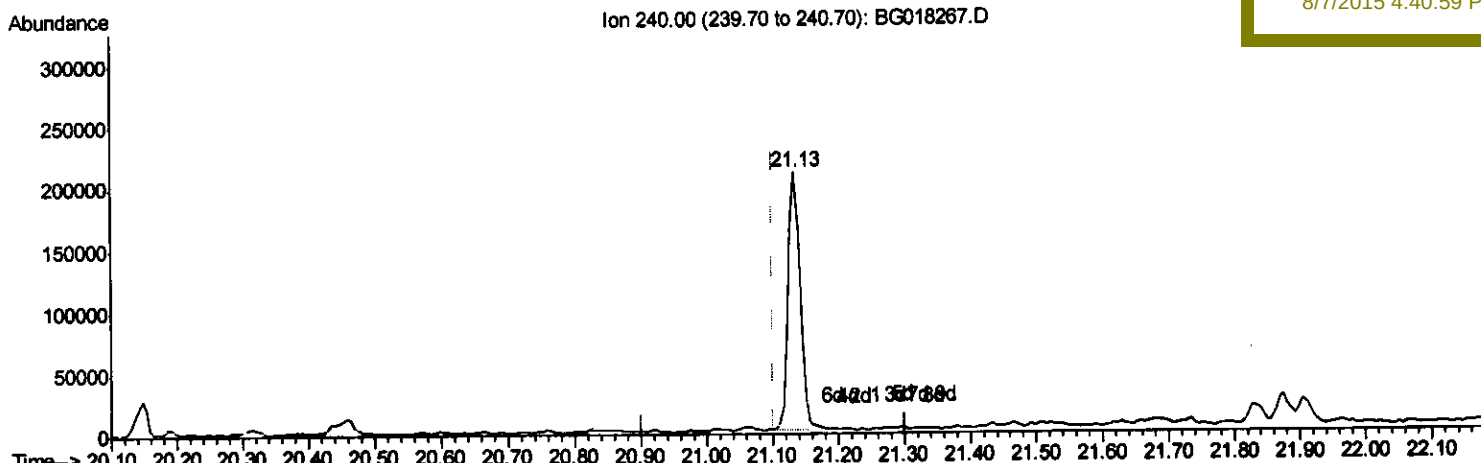
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Quant Time: Aug 05 05:25:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 8/7/2015 4:40:59 PM



(78) Chrysene-d12 (I)

21.134min (+0.032) 20.00ng/ul m

response 264632

Ion	Exp%	Act%
240.00	100	100
120.00	9.70	14.96#
236.00	24.90	29.33
0.00	0.00	0.00

T.P
 8/8/15

Quantitation Report (Qedit)

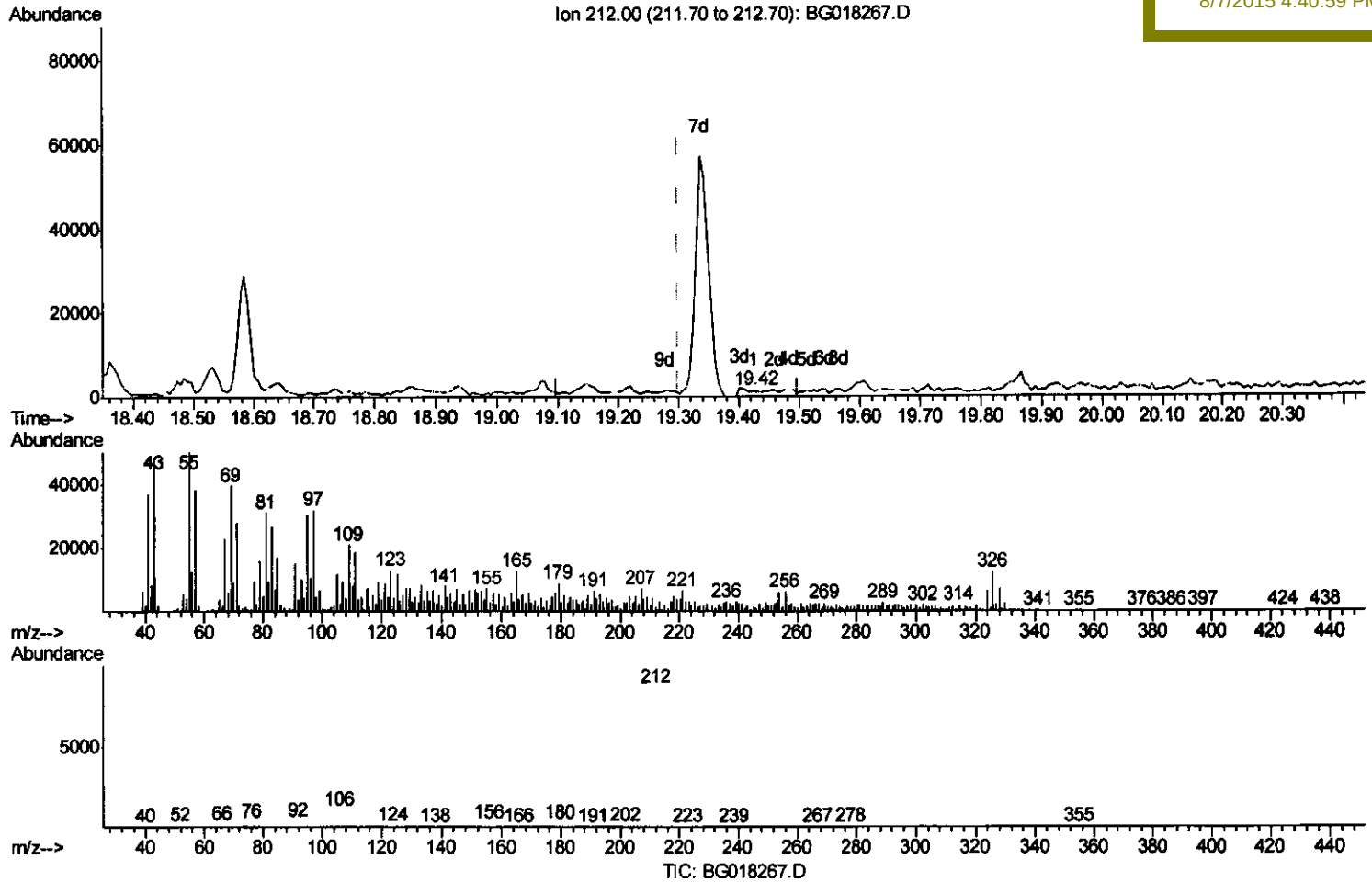
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 05 05:25:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Manual Integrations
 APPROVED

MMDadoda
 8/7/2015 4:40:59 PM



(79) Pyrene-d10 (S)

19.424min (+0.126) 0.03ng/ul

response 355

Ion	Exp%	Act%
212.00	100	100
106.00	11.40	160.43#
104.00	7.60	128.82#
0.00	0.00	0.00

Quantitation Report (Qedit)

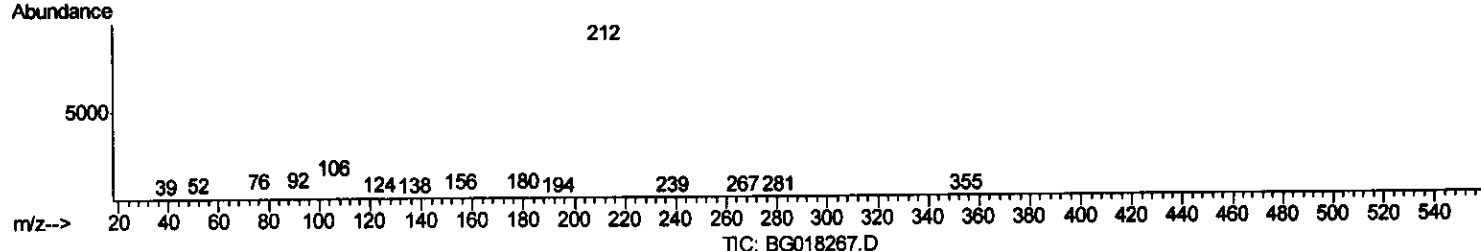
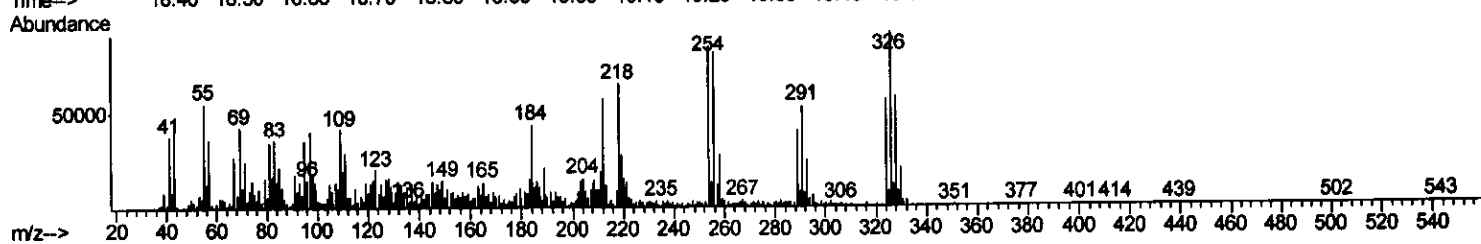
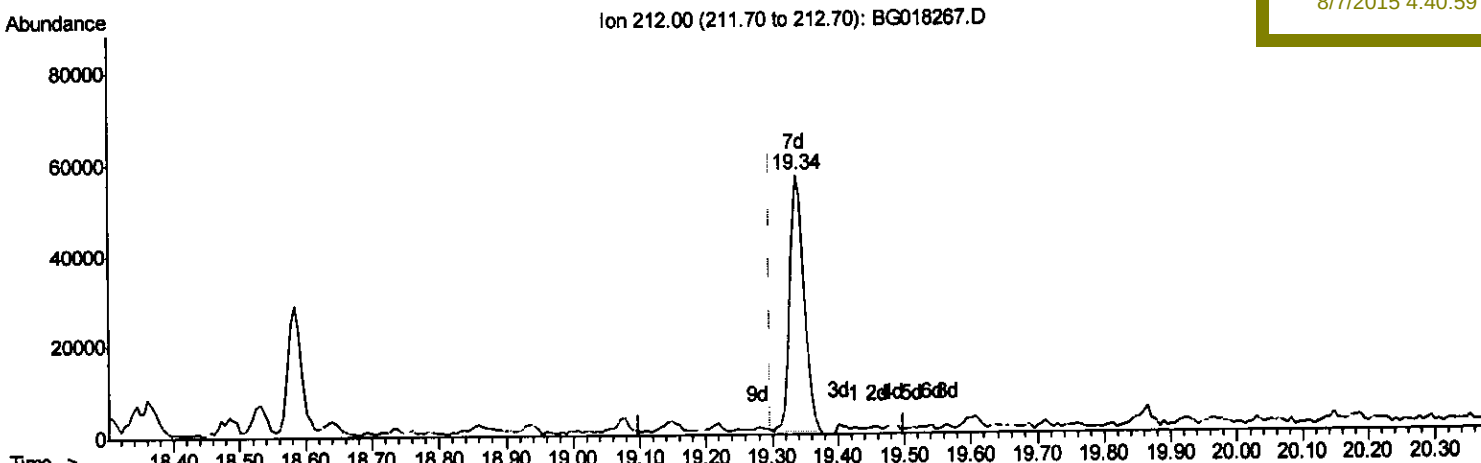
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Quant Time: Aug 05 05:25:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 8/7/2015 4:40:59 PM



(79) Pyrene-d10 (S)

19.336min (+0.038) 6.52ng/ul m

response 83475

T. P
 8/8/15

Ion	Exp%	Act%
212.00	100	100
106.00	11.40	15.33#
104.00	7.60	8.56
0.00	0.00	0.00

Quantitation Report (Qedit)

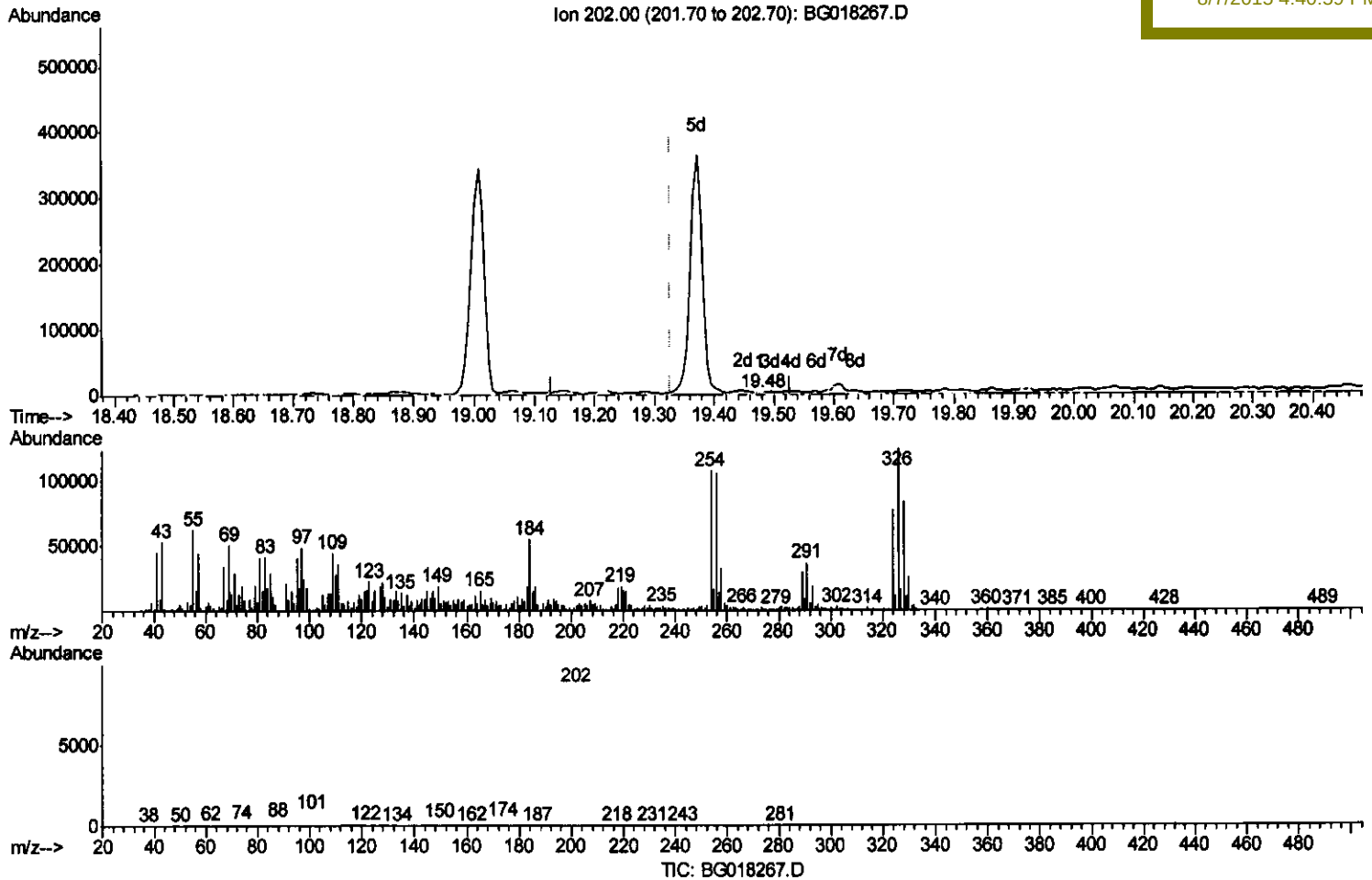
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Quant Time: Aug 05 05:25:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 8/7/2015 4:40:59 PM



(80) Pyrene

19.477min (+0.149) 0.05ng/ul

response 862

Ion	Exp%	Act%
202.00	100	100
101.00	10.10	29.60#
100.00	9.20	43.58#
0.00	0.00	0.00

Quantitation Report (Qedit)

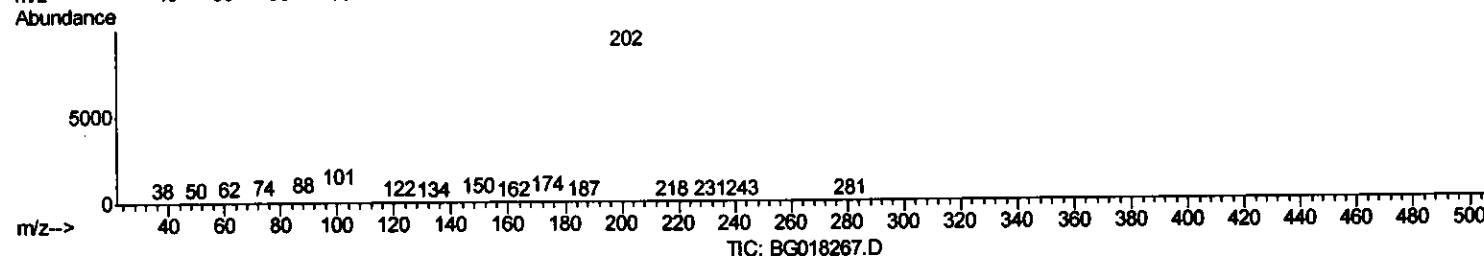
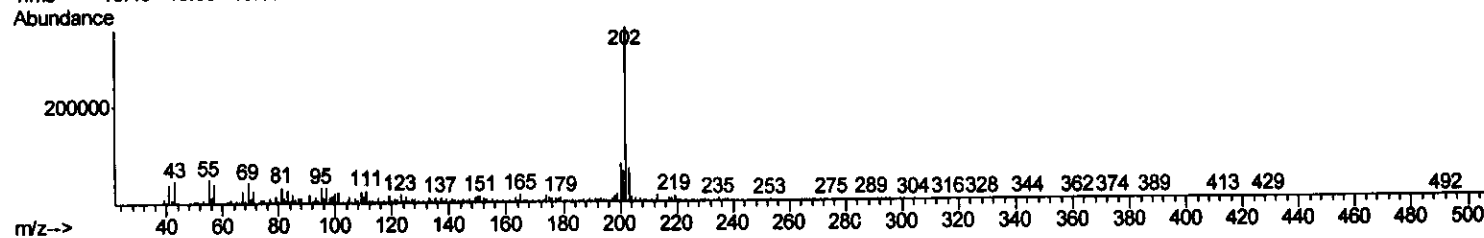
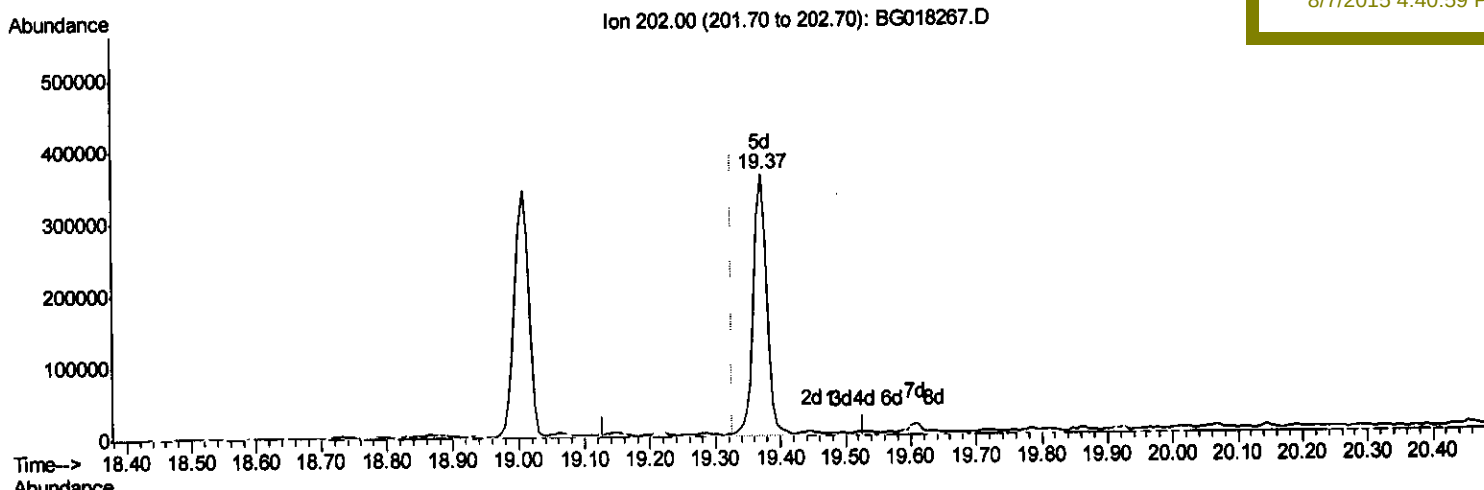
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Quant Time: Aug 05 05:25:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 8/7/2015 4:40:59 PM



(80) Pyrene

19.371min (+0.044) 32.52ng/ul m

response 521920

T.P
 8/8/15

Ion	Exp%	Act%
202.00	100	100
101.00	10.10	6.24#
100.00	9.20	5.49#
0.00	0.00	0.00

Quantitation Report (Qedit)

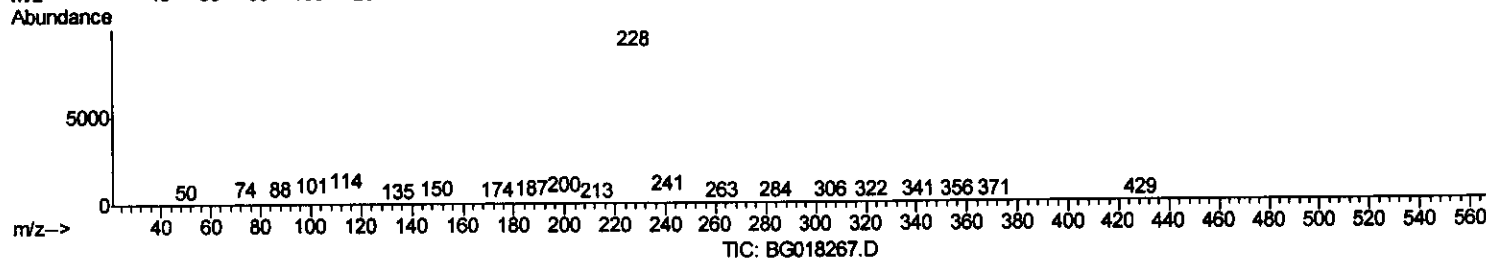
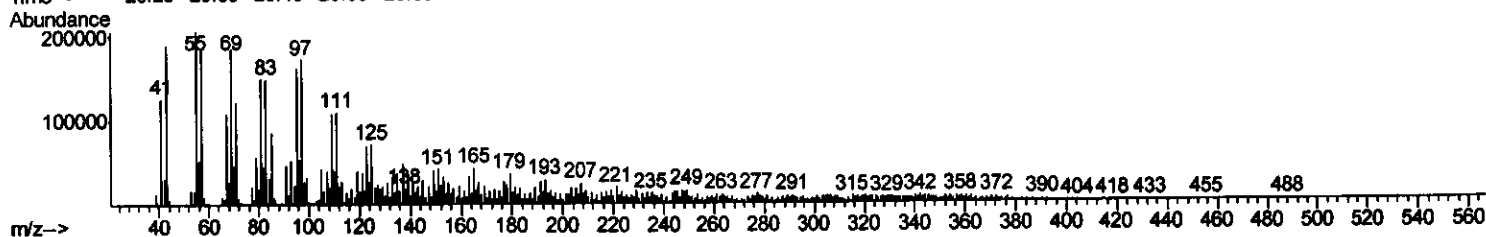
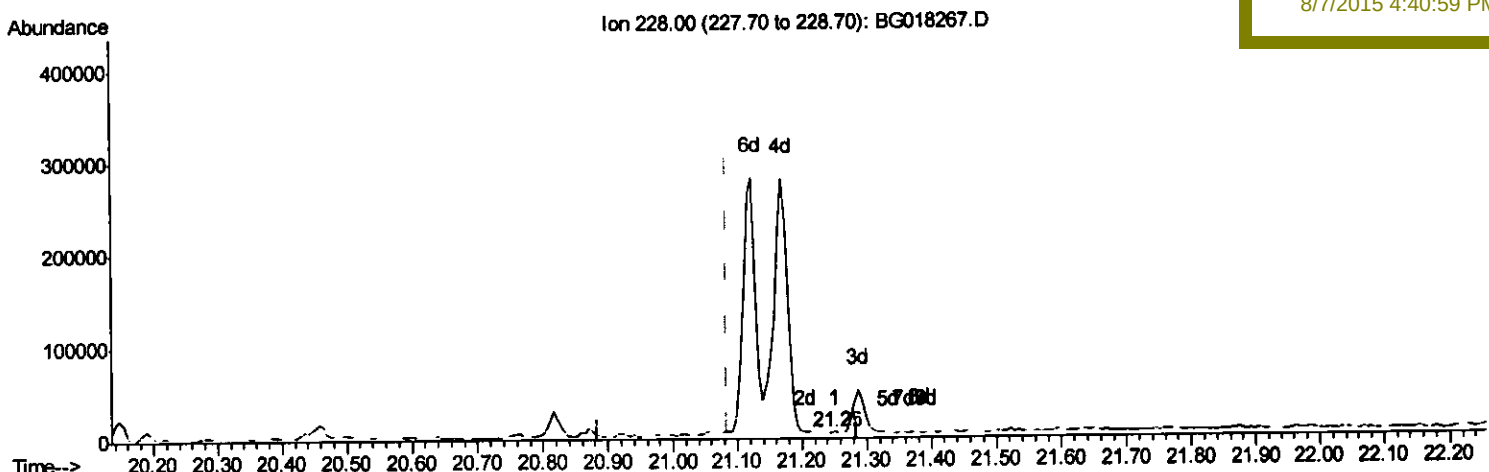
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Quant Time: Aug 05 05:25:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 8/7/2015 4:40:59 PM



(83) Benzo(a)anthracene

21.251min (+0.167) 0.10ng/ul

response 1407

Ion	Exp%	Act%
228.00	100	100
229.00	20.60	218.58#
226.00	26.90	87.83#
0.00	0.00	0.00

Quantitation Report (Qedit)

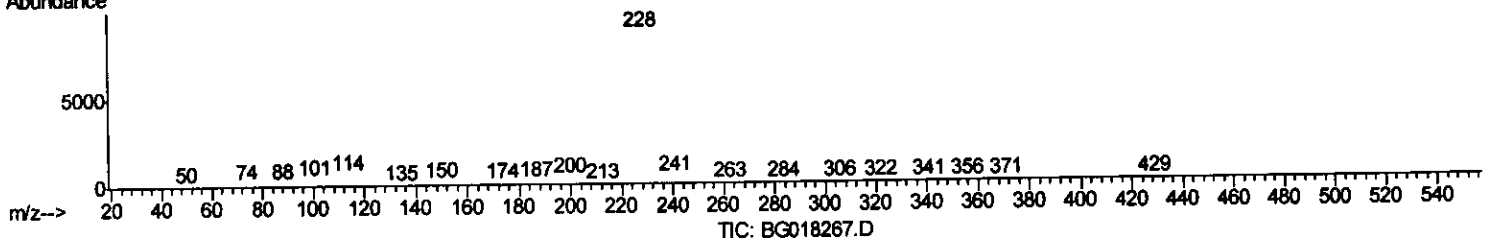
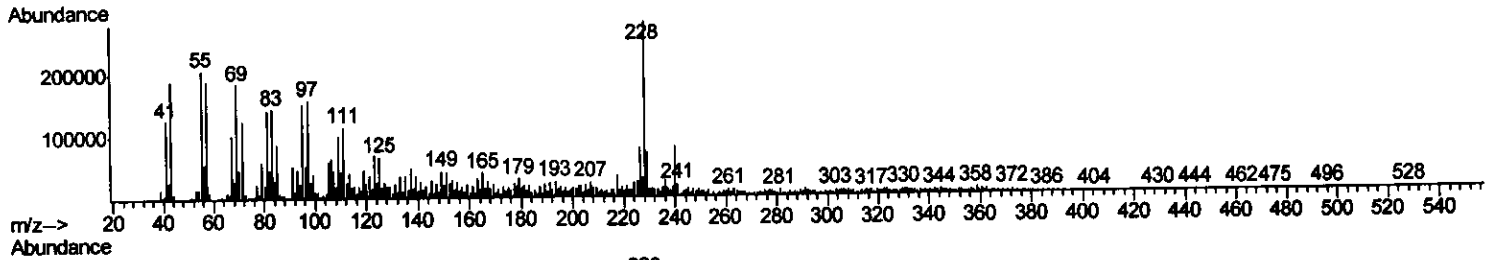
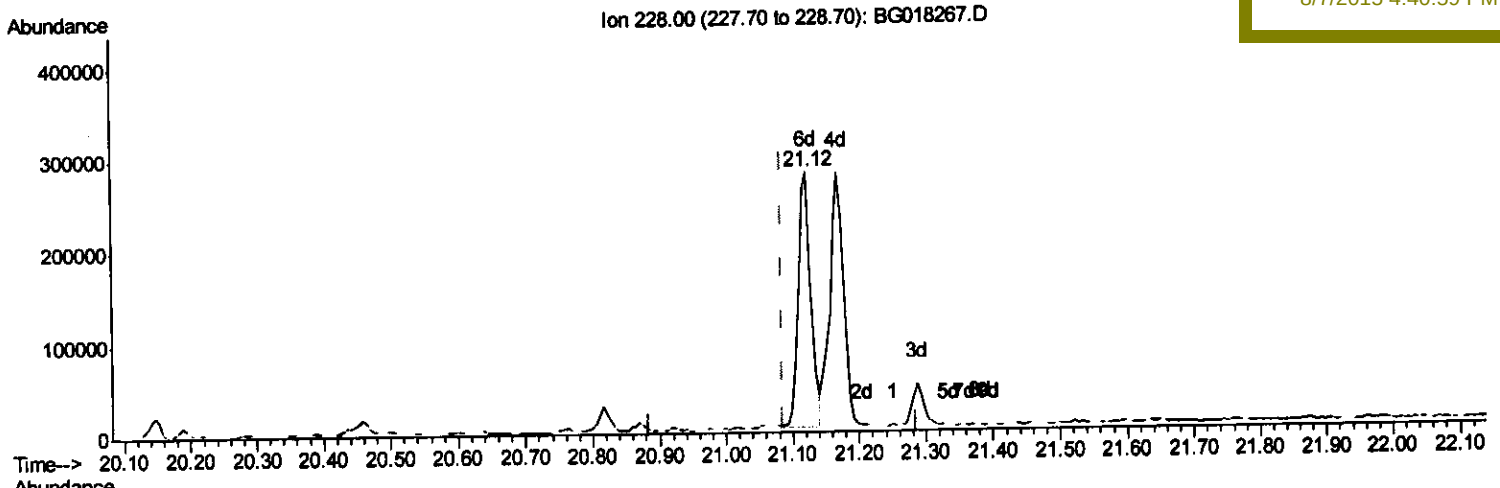
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 05 05:25:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Manual Integrations
 APPROVED

MMDadoda
 8/7/2015 4:40:59 PM



(83) Benzo(a)anthracene

21.122min (+0.038) 25.87ng/ul m

response 368670

Ion Exp% Act%

228.00 100 100

229.00 20.60 25.23%

226.00 26.90 27.97

0.00 0.00 0.00

T.P.
8/8/15

Quantitation Report (Qedit)

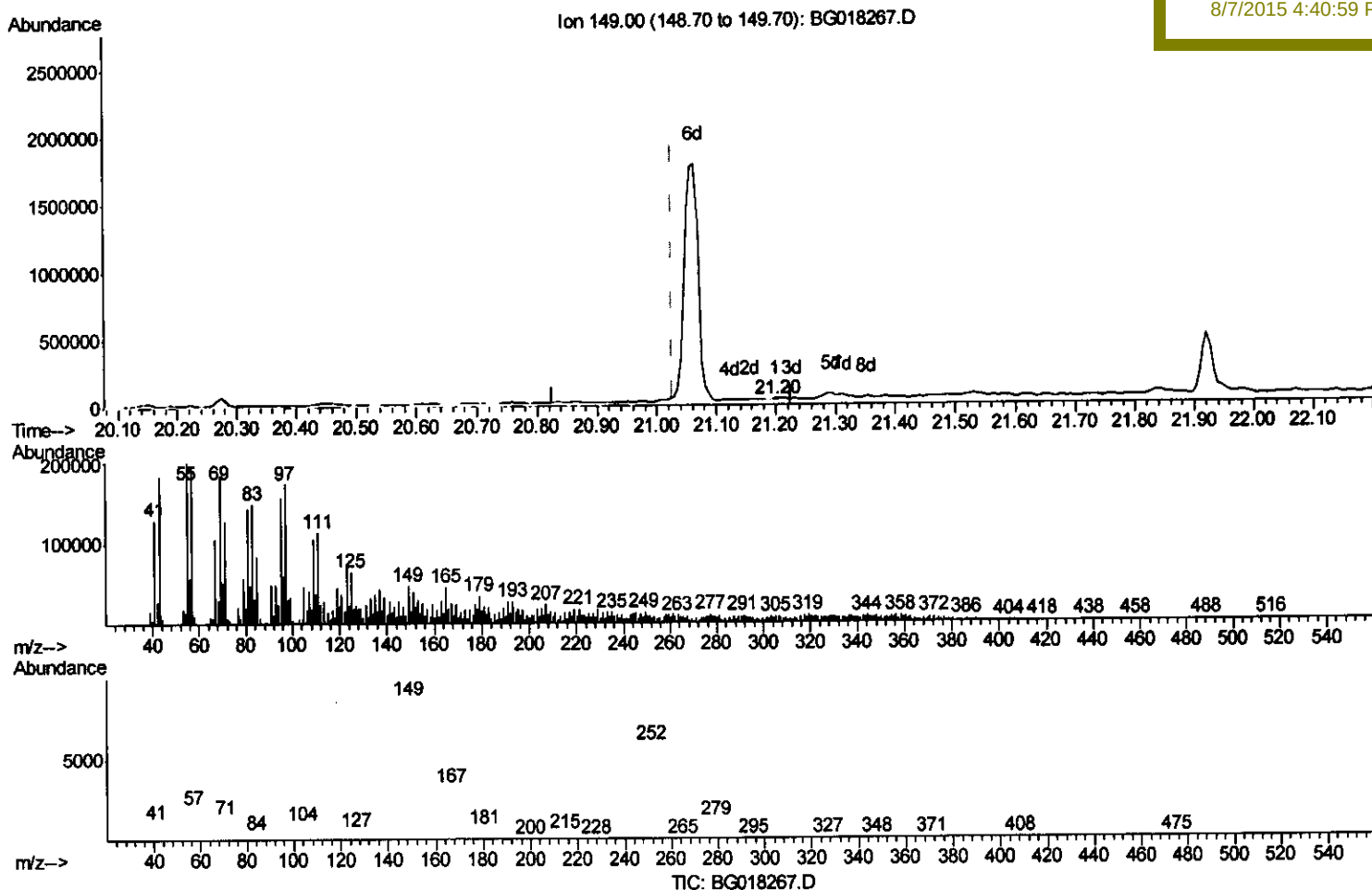
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 05 05:25:39 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:27:11 2015
Response via : Initial Calibration

Instrument :
BNA_G
Client Sample ID :
C02F4

Manual Integrations
APPROVED

MMDadoda
8/7/2015 4:40:59 PM



(84) Bis(2-ethylhexyl)phthalate

21.199min (+0.173) 0.92ng/ui

response 8085

Ion	Exp%	Act%
149.00	100	100
167.00	34.30	53.01#
279.00	10.40	15.50#
0.00	0.00	0.00

Quantitation Report (Qedit)

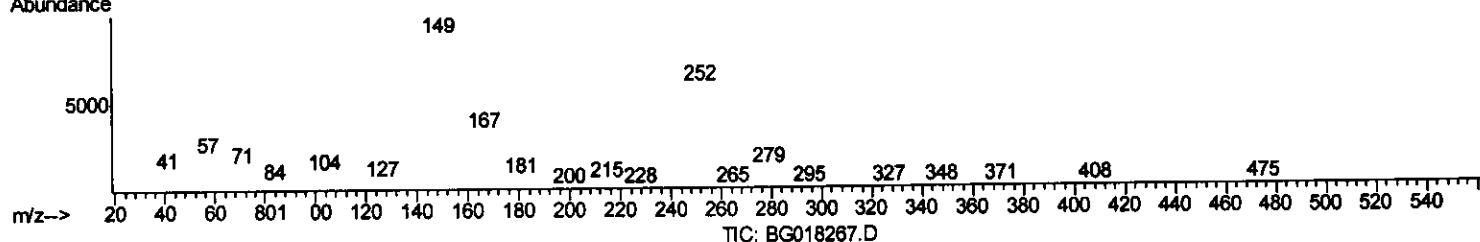
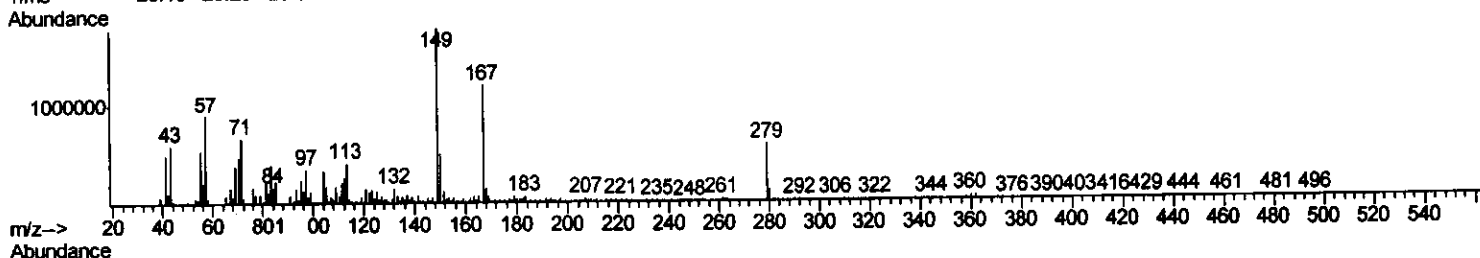
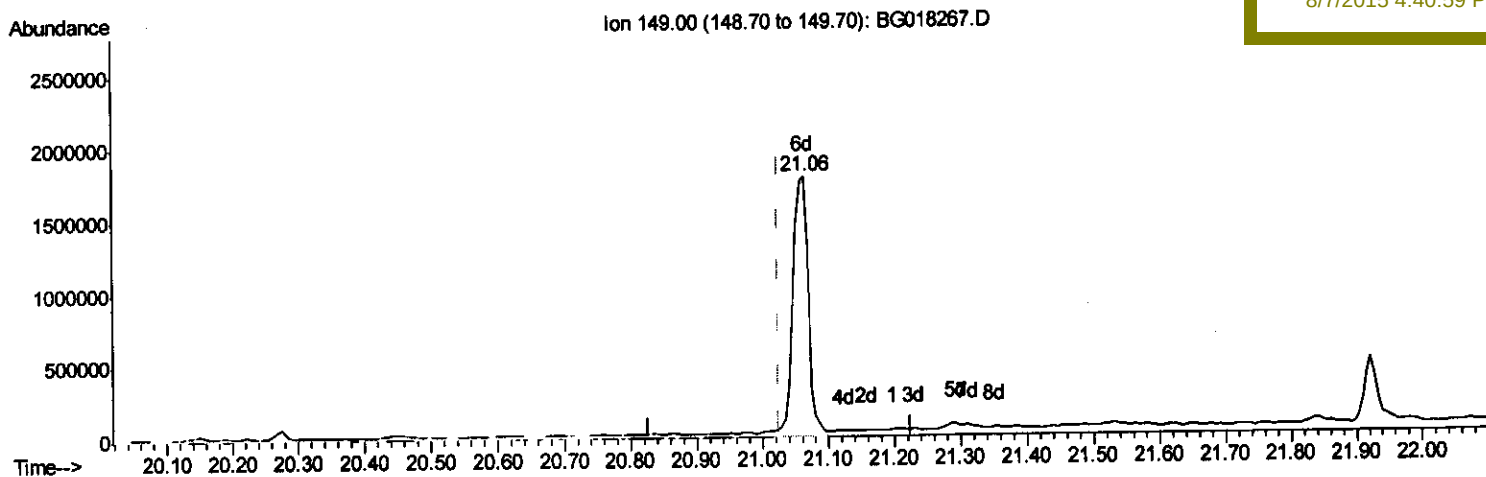
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 05 05:25:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Manual Integrations
 APPROVED

MMDadoda
 8/7/2015 4:40:59 PM



(84) Bis(2-ethylhexyl)phthalate

21.063min (+0.038) 335.80ng/ul m

response 2953928

Ion	Exp%	Act%
149.00	100	100
167.00	34.30	67.67#
279.00	10.40	32.71#
0.00	0.00	0.00

T.P
8/8/15

Quantitation Report (Qedit)

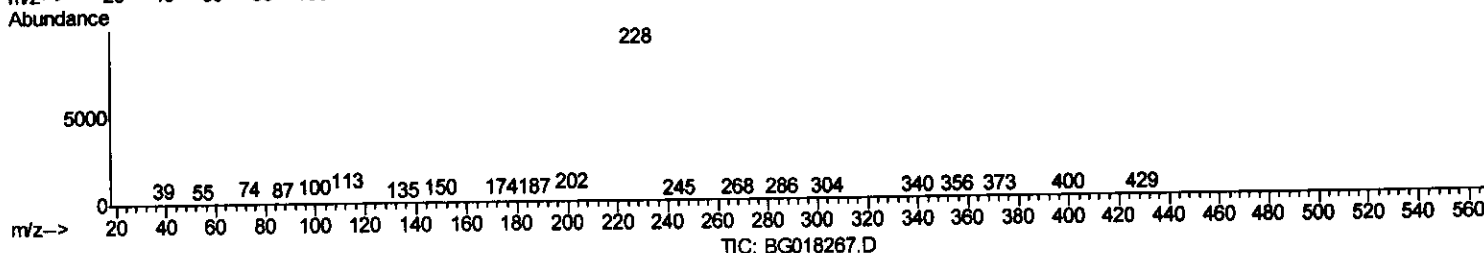
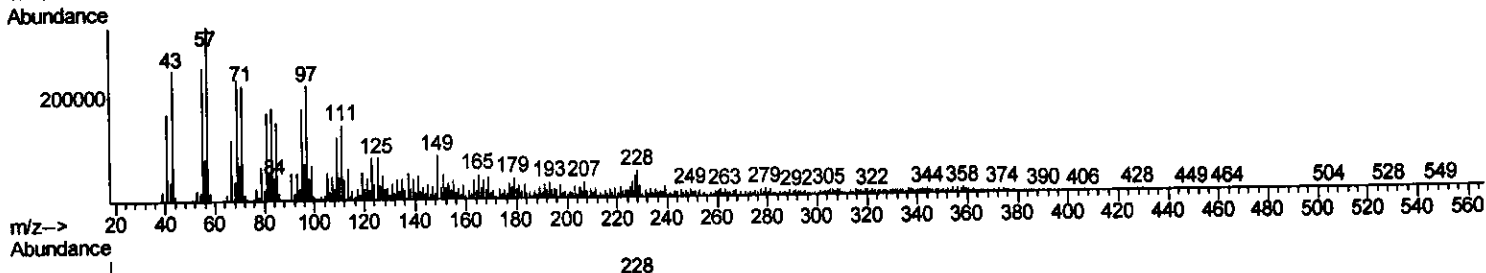
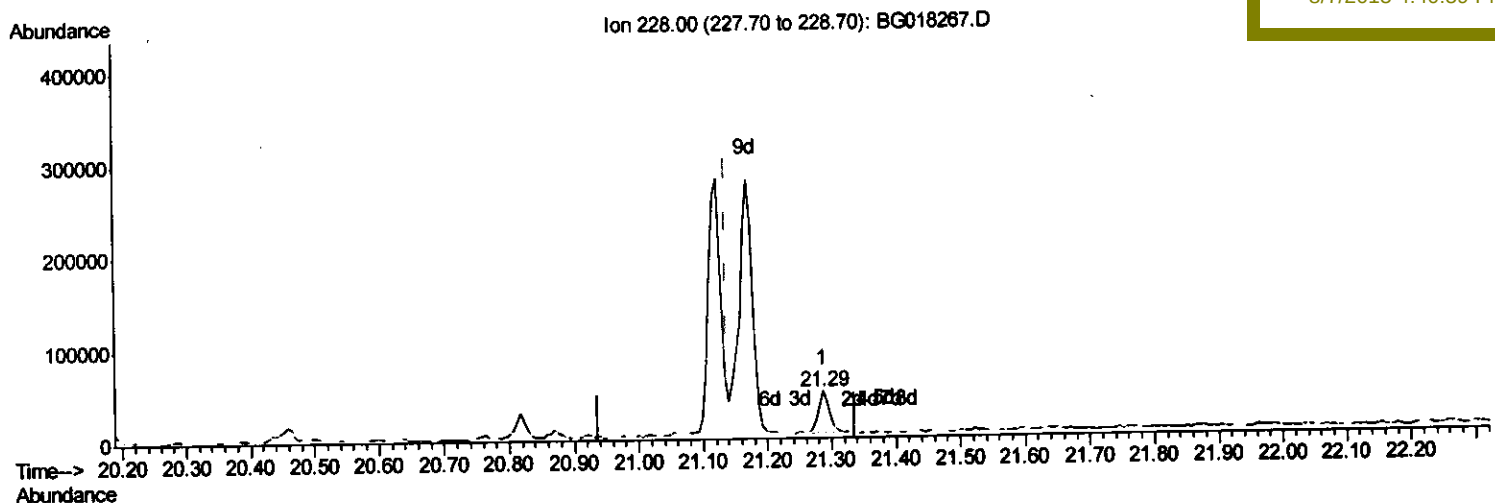
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02F4

Quant Time: Aug 05 05:25:39 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:27:11 2015
Response via : Initial Calibration

Manual Integrations
APPROVED

MMDadoda
8/7/2015 4:40:59 PM



(85) Chrysene

21.287min (+0.149) 4.16ng/ul

response 54281

Ion	Exp%	Act%
228.00	100	100
226.00	28.40	61.12#
229.00	20.20	44.05#
0.00	0.00	0.00

Quantitation Report (Qedit)

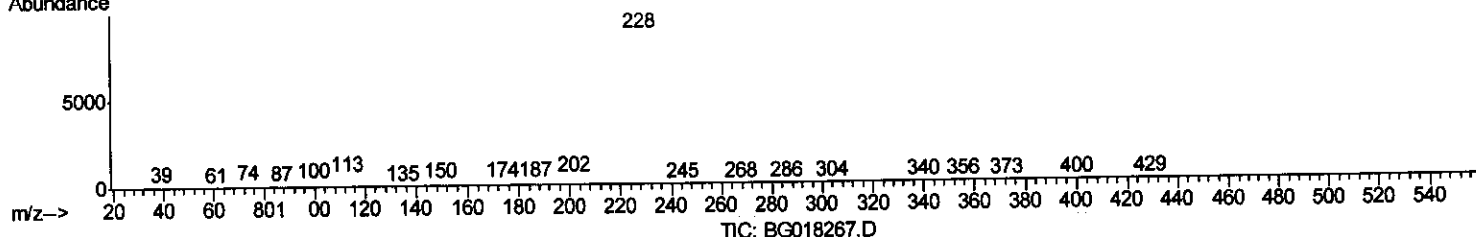
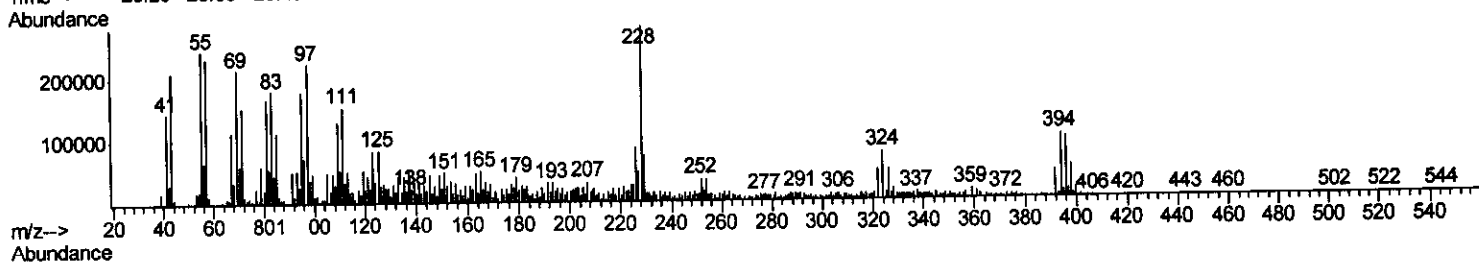
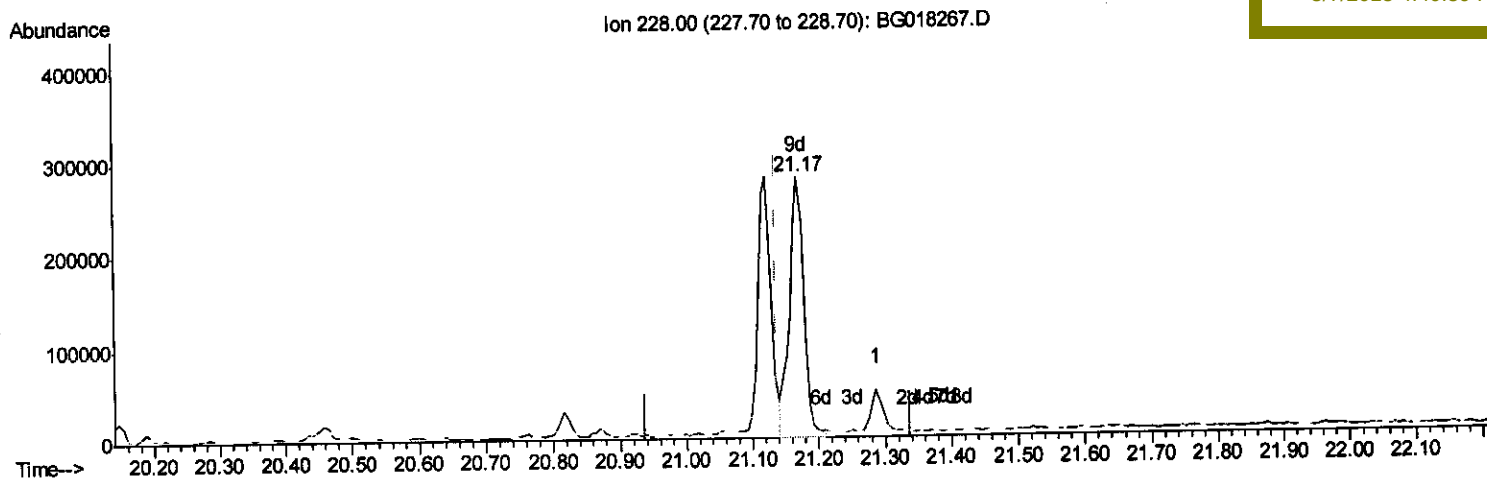
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Quant Time: Aug 05 05:25:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 8/7/2015 4:40:59 PM



(85) Chrysene

21.169min (+0.032) 32.28ng/ul m

response 421336

Ion	Exp%	Act%
228.00	100	100
226.00	28.40	31.07
229.00	20.20	26.36#
0.00	0.00	0.00

T.P
 8/8/15

Quantitation Report (Qedit)

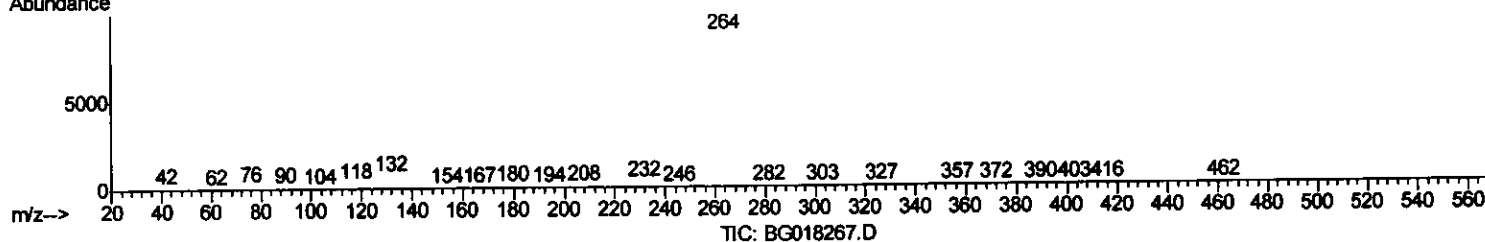
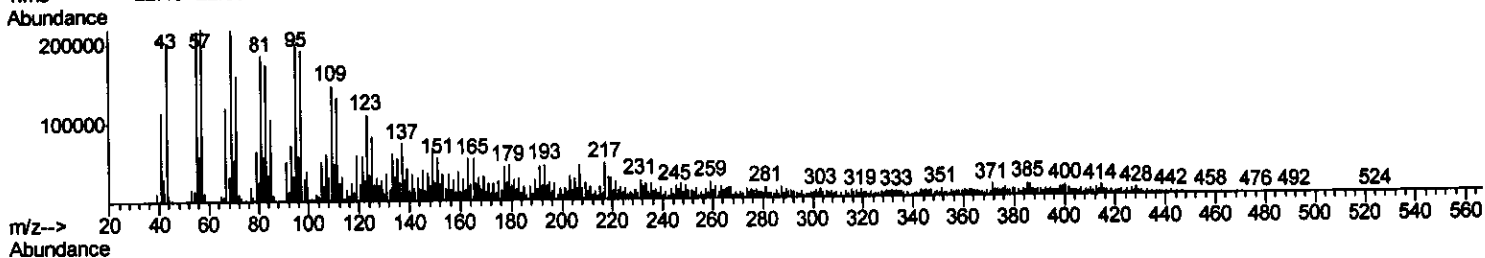
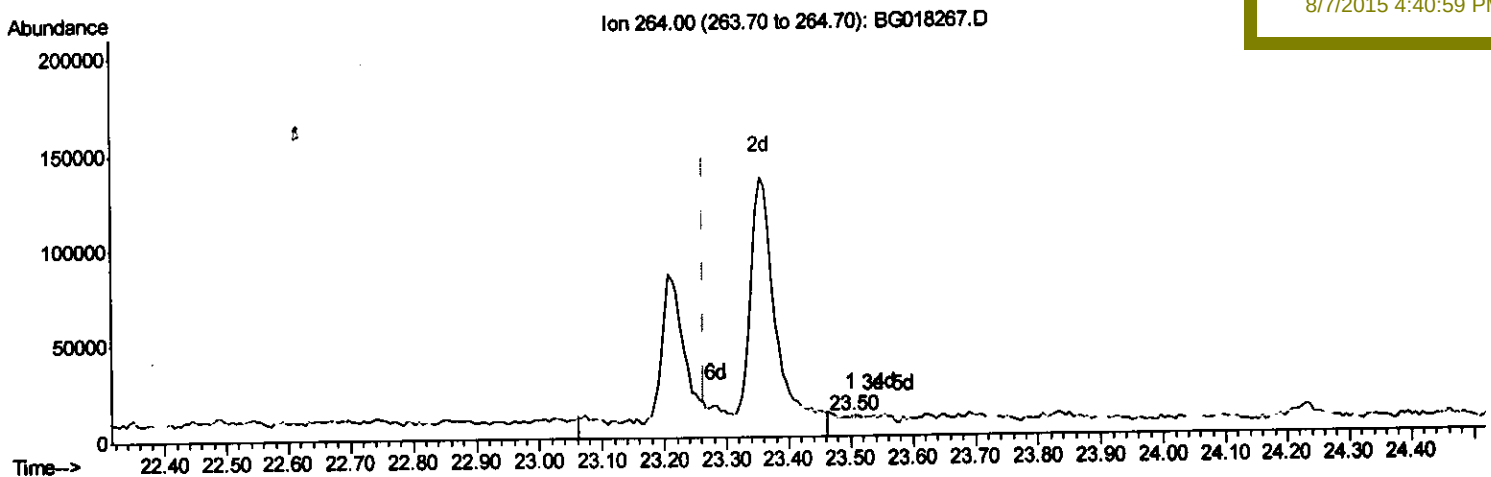
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 05 05:25:39 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:27:11 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C02F4

Manual Integrations
APPROVED

MMDadoda
8/7/2015 4:40:59 PM



(86) Perylene-d12 (I)

23.502min (+0.238) 20.00ng/ul

response 2623

Ion	Exp%	Act%
264.00	100	100
260.00	22.50	103.84#
265.00	22.20	119.67#
0.00	0.00	0.00

Quantitation Report (Qedit)

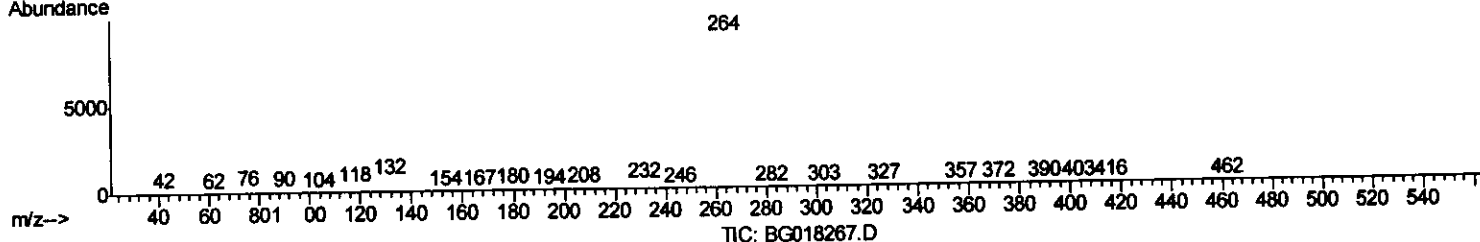
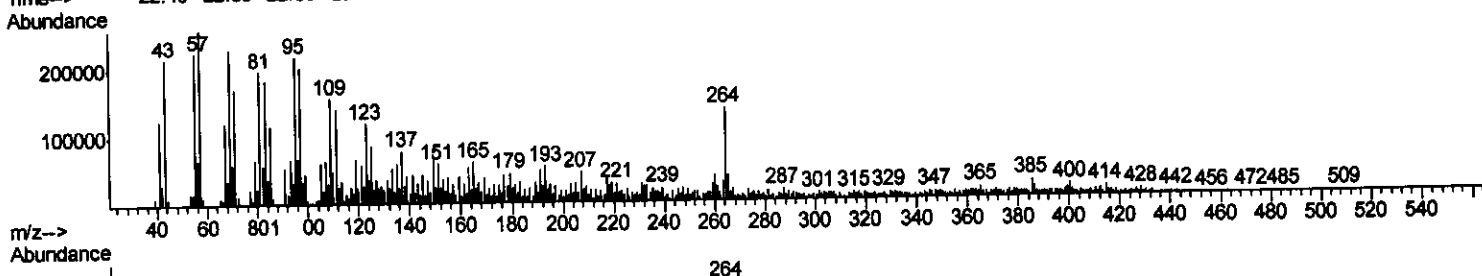
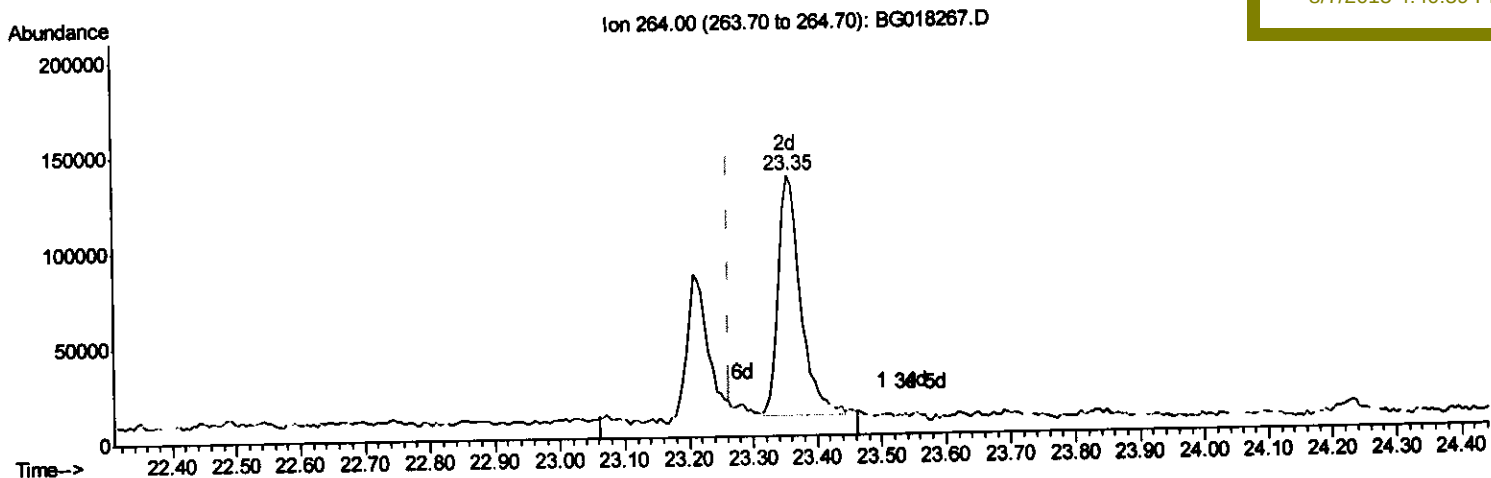
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Quant Time: Aug 05 05:25:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 8/7/2015 4:40:59 PM



(86) Perylene-d12 (I)

23.355min (+0.091) 20.00ng/ul m

response 301883

Ion	Exp%	Act%
264.00	100	100
260.00	22.50	27.71#
265.00	22.20	27.73#
0.00	0.00	0.00

T. P
 8/8/15

Quantitation Report (Qedit)

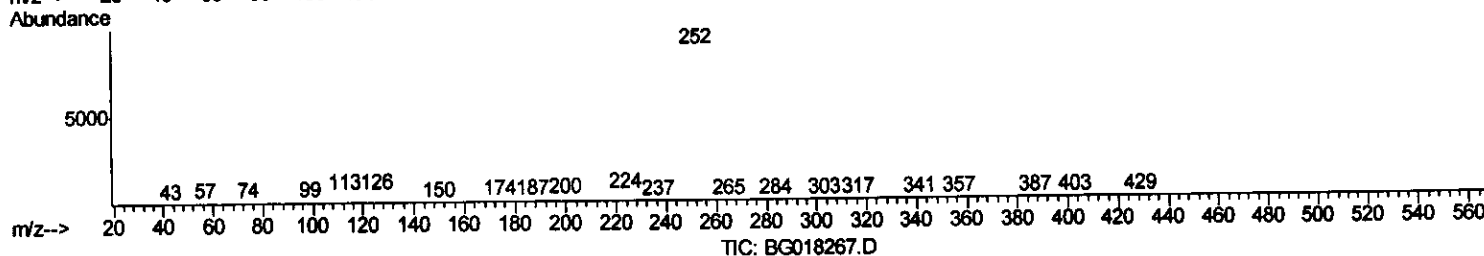
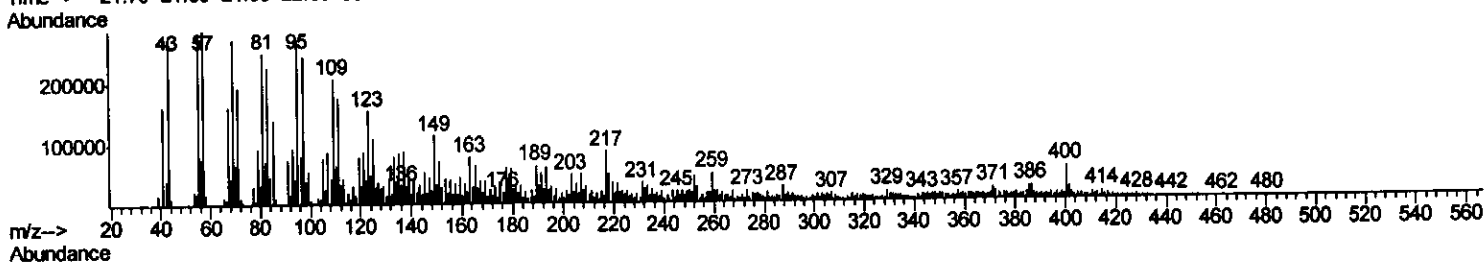
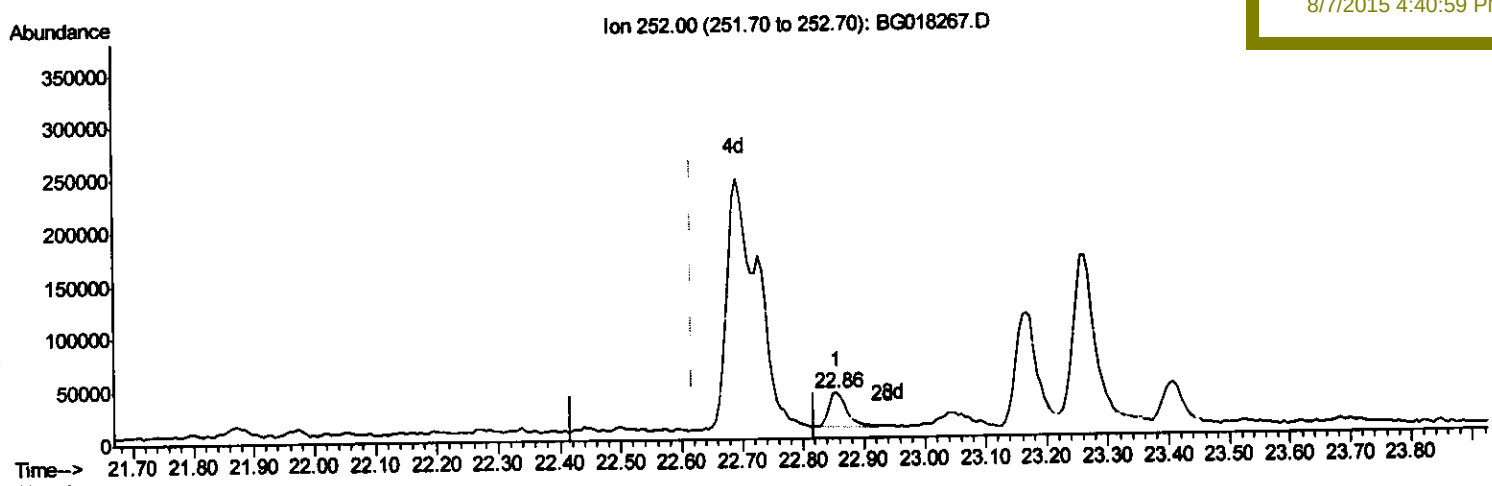
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02F4

Quant Time: Aug 05 05:25:39 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:27:11 2015
Response via : Initial Calibration

Manual Integrations
APPROVED

MMDadoda
8/7/2015 4:40:59 PM



(88) Benzo(b)fluoranthene

22.855min (+0.238) 3.77ng/ul

response 68310

Ion	Exp%	Act%
252.00	100	100
253.00	23.10	59.06#
125.00	9.20	249.38#
0.00	0.00	0.00

Quantitation Report (Qedit)

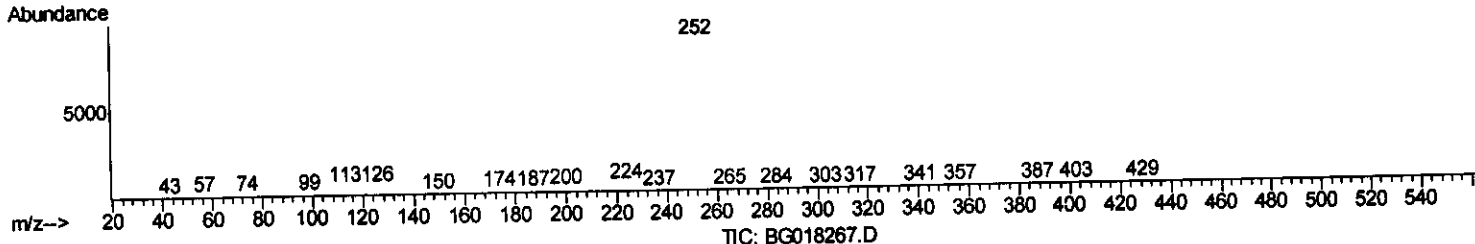
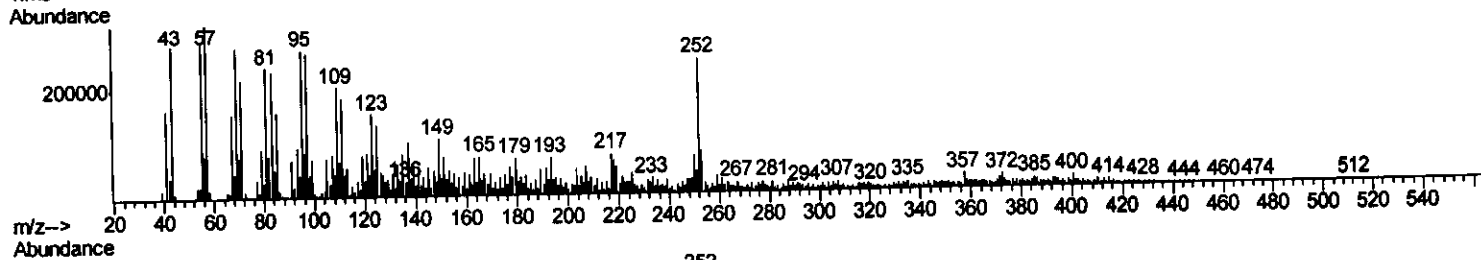
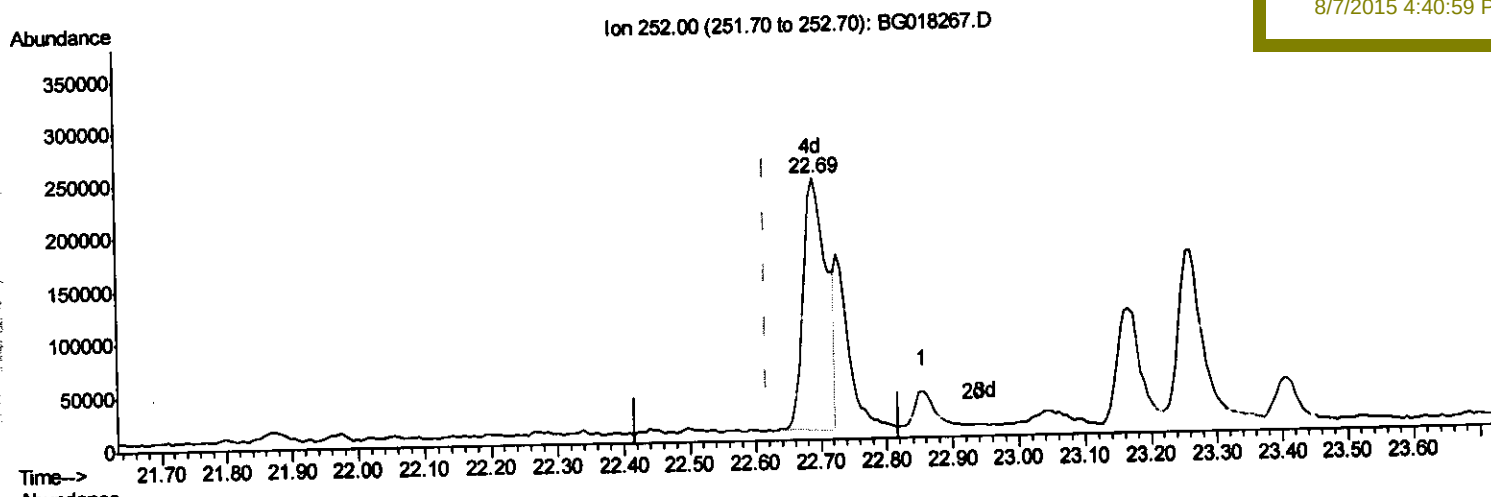
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Quant Time: Aug 05 05:25:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 8/7/2015 4:40:59 PM



(88) Benzo(b)fluoranthene

22.691min (+0.073) 32.57ng/ul m

response 590675

Ion	Exp%	Act%
252.00	100	100
253.00	23.10	31.56#
125.00	9.20	52.75#
0.00	0.00	0.00

T.P
 8/8/15

Quantitation Report (Qedit)

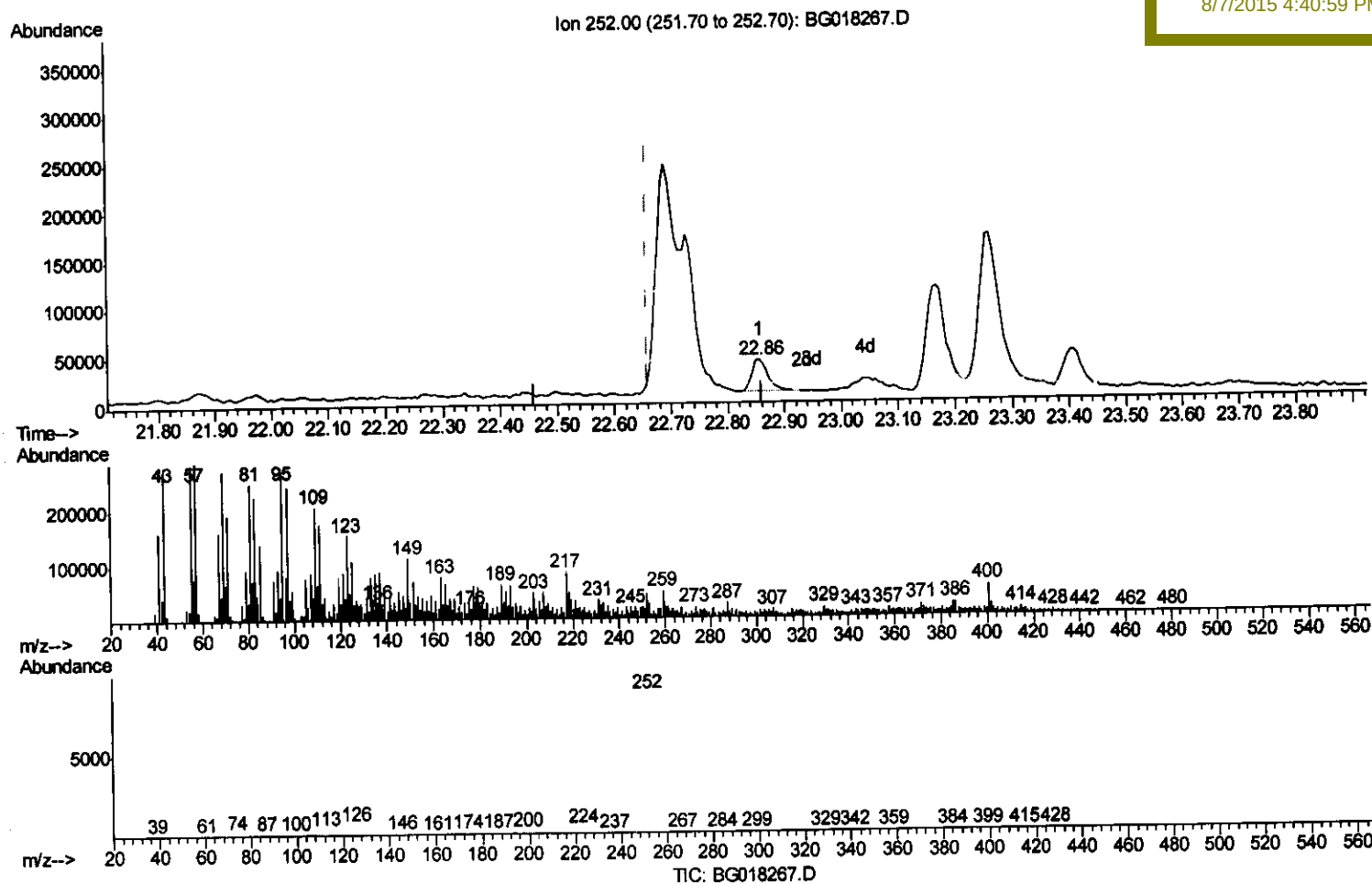
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02F4

Quant Time: Aug 05 05:25:39 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:27:11 2015
Response via : Initial Calibration

Manual Integrations
APPROVED

MMDadoda
8/7/2015 4:40:59 PM



(89) Benzo(k)fluoranthene

22.855min (+0.196) 3.98ng/ui

response 66359

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	59.06#
125.00	9.40	249.38#
0.00	0.00	0.00

Quantitation Report (Qedit)

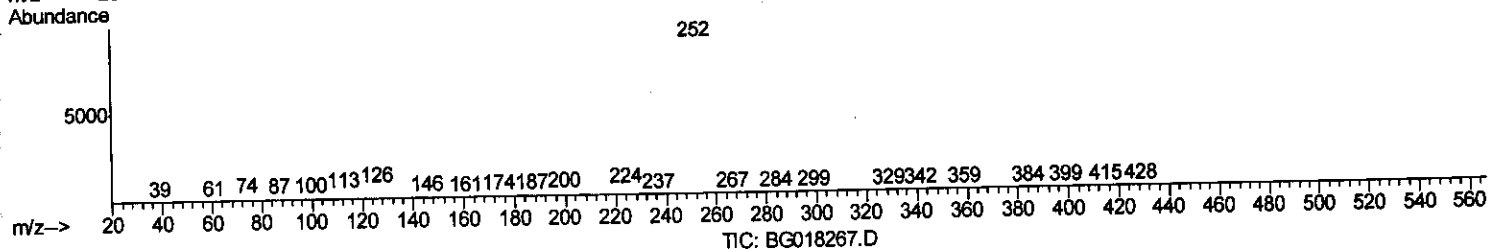
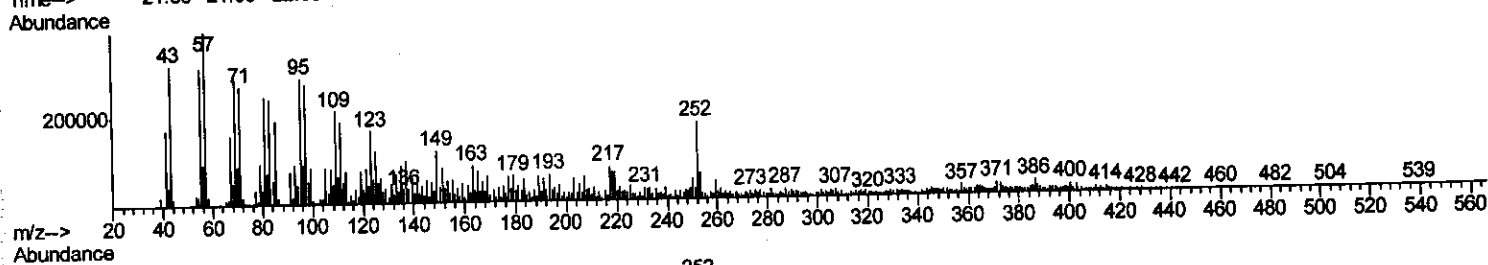
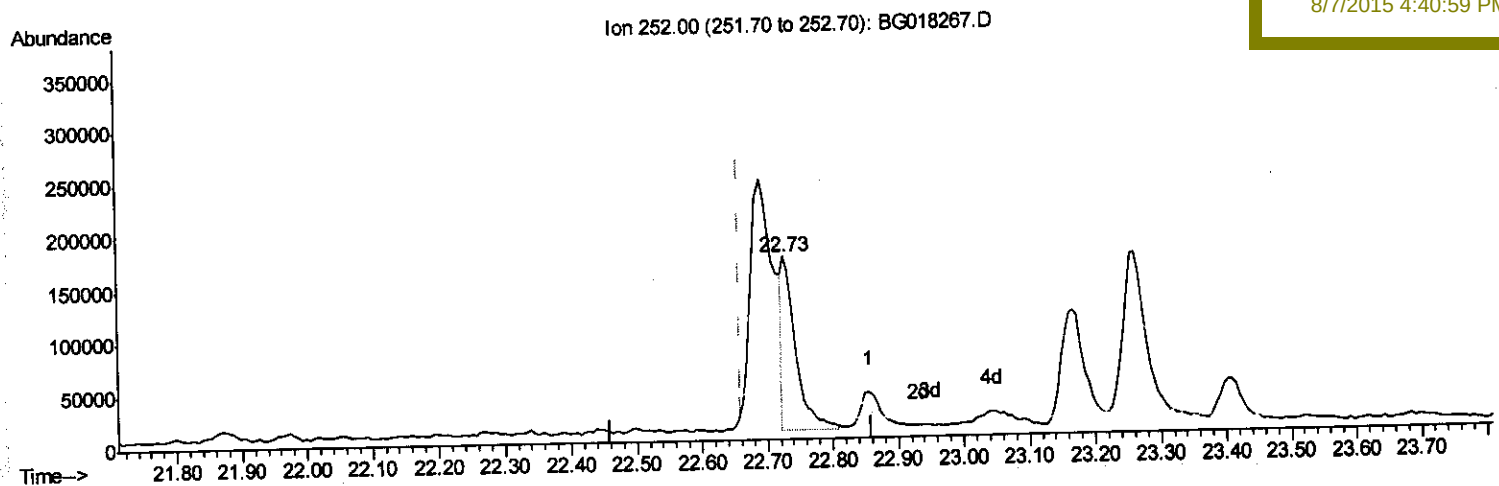
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Quant Time: Aug 05 05:25:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 8/7/2015 4:40:59 PM



(89) Benzo(k)fluoranthene

22.726min (+0.067) 14.14ng/ul m

response 235716

T.P.
8/8/15

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	33.86#
125.00	9.40	68.64#
0.00	0.00	0.00

Quantitation Report (Qedit)

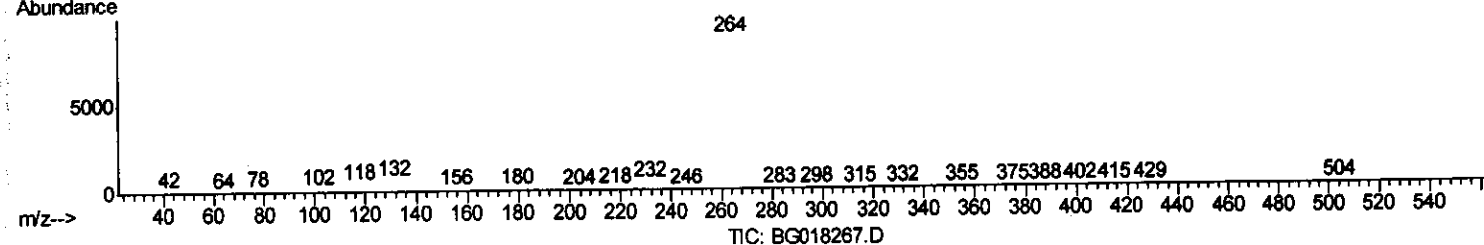
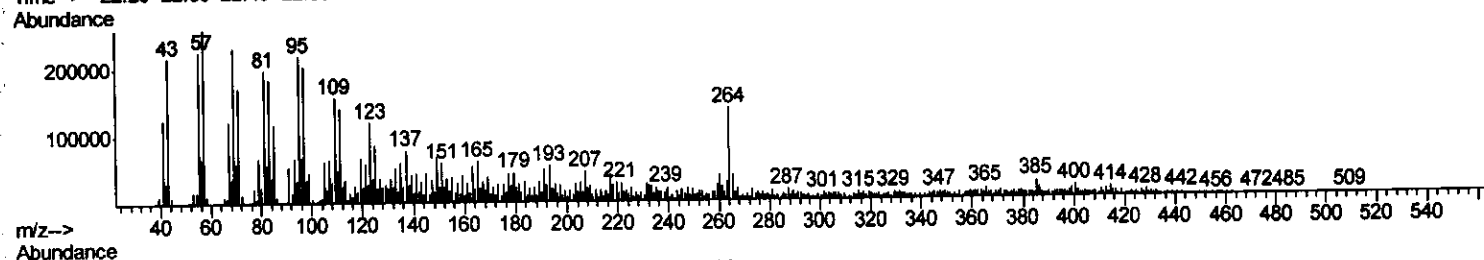
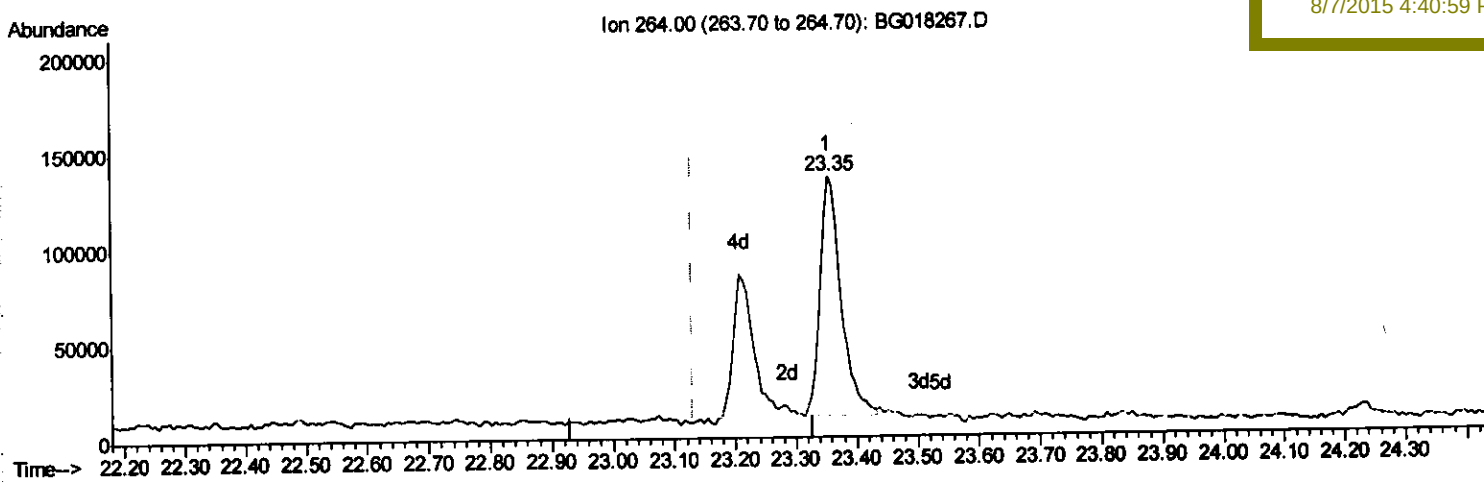
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Quant Time: Aug 05 05:25:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 8/7/2015 4:40:59 PM



(90) Benzo(a)pyrene-d12 (S)

23.355min (+0.226) 19.34ng/ul

response 295192

Ion	Exp%	Act%
264.00	100	100
132.00	15.20	17.13
118.00	7.60	12.06#
0.00	0.00	0.00

Quantitation Report (Qedit)

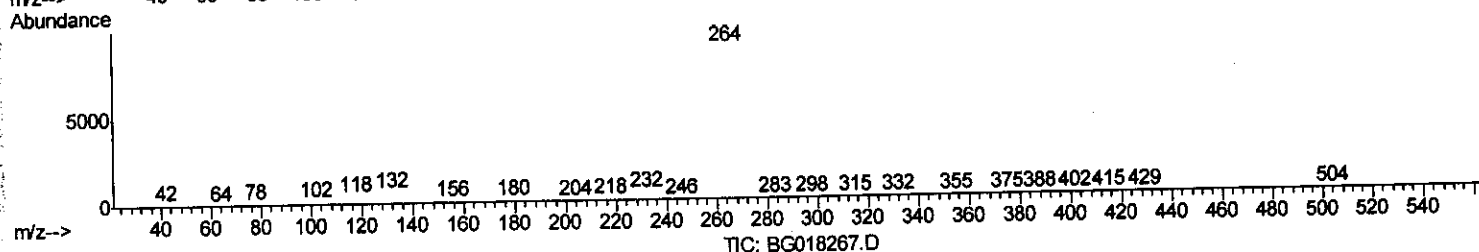
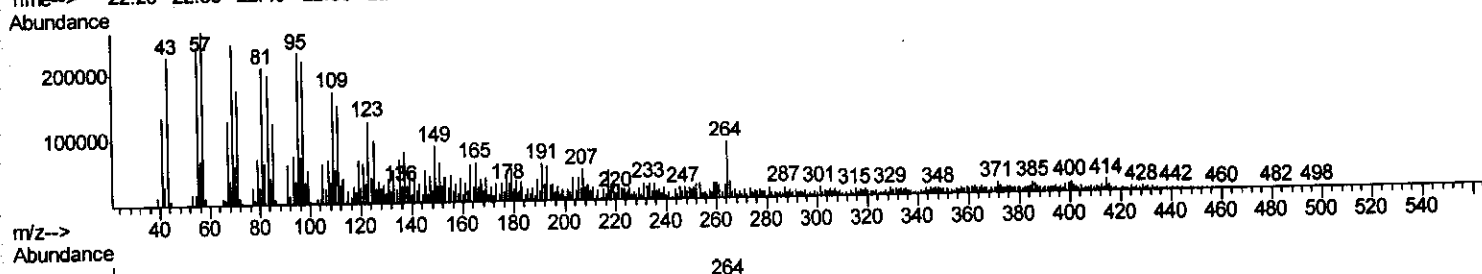
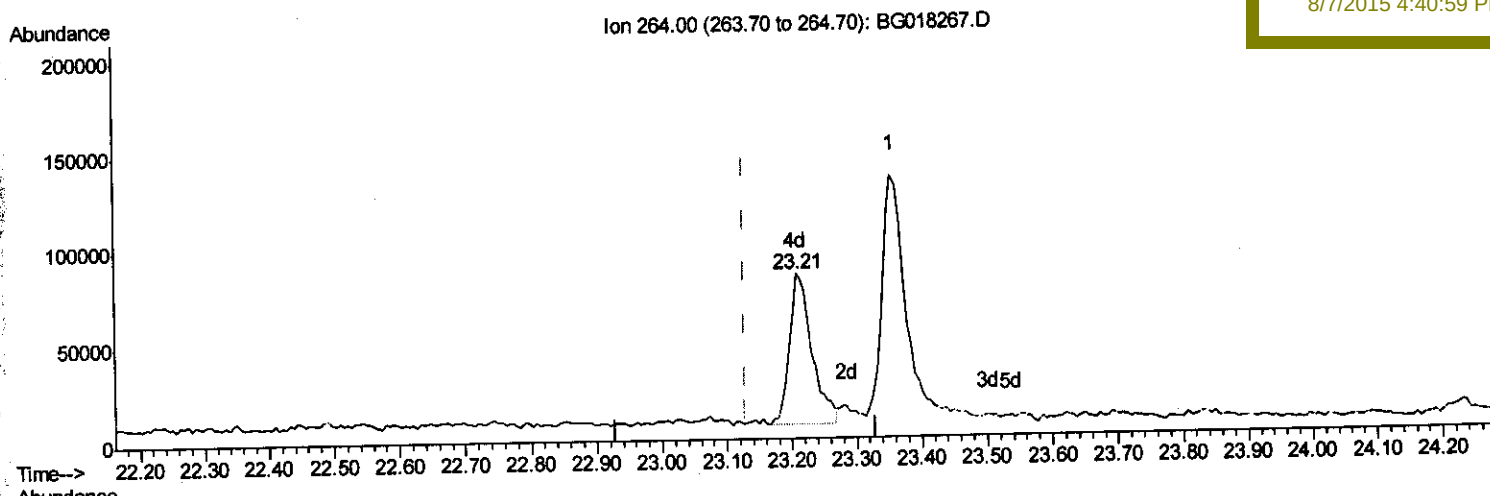
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Quant Time: Aug 05 05:25:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
 Response via : Initial Calibration

Manual Integrations
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(90) Benzo(a)pyrene-d12 (S)

23.208min (+0.079) 12.35ng/ul m

response 188546

Ion	Exp%	Act%
264.00	100	100
132.00	15.20	22.38#
118.00	7.60	19.31#
0.00	0.00	0.00

T.P
 8/8/15

Quantitation Report (Qedit)

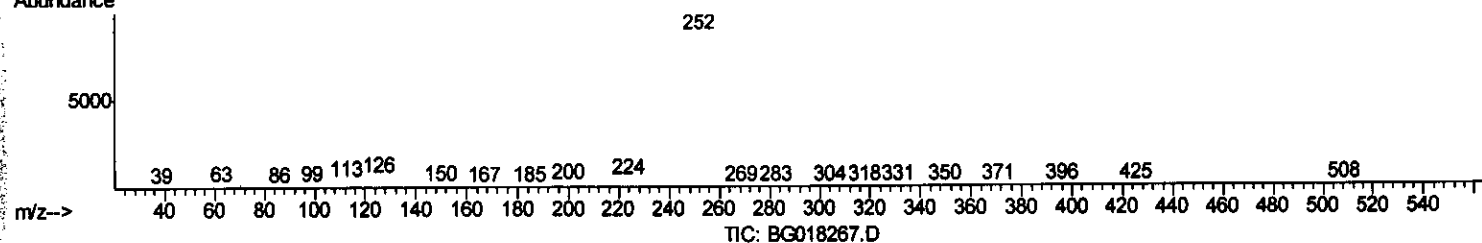
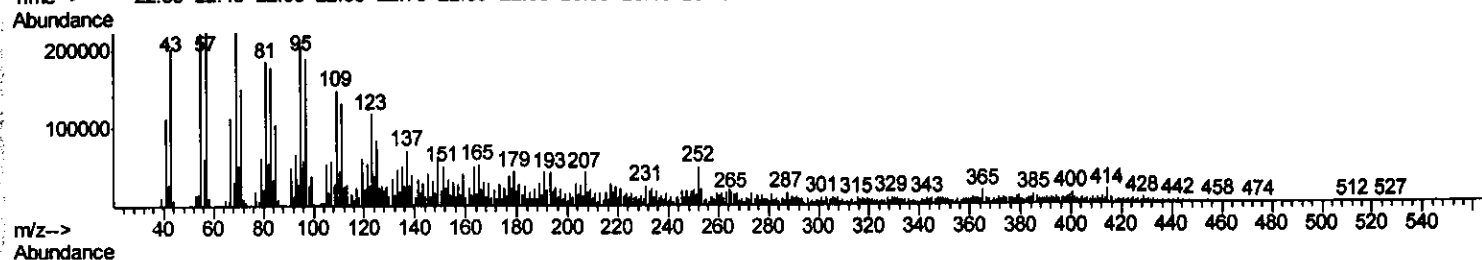
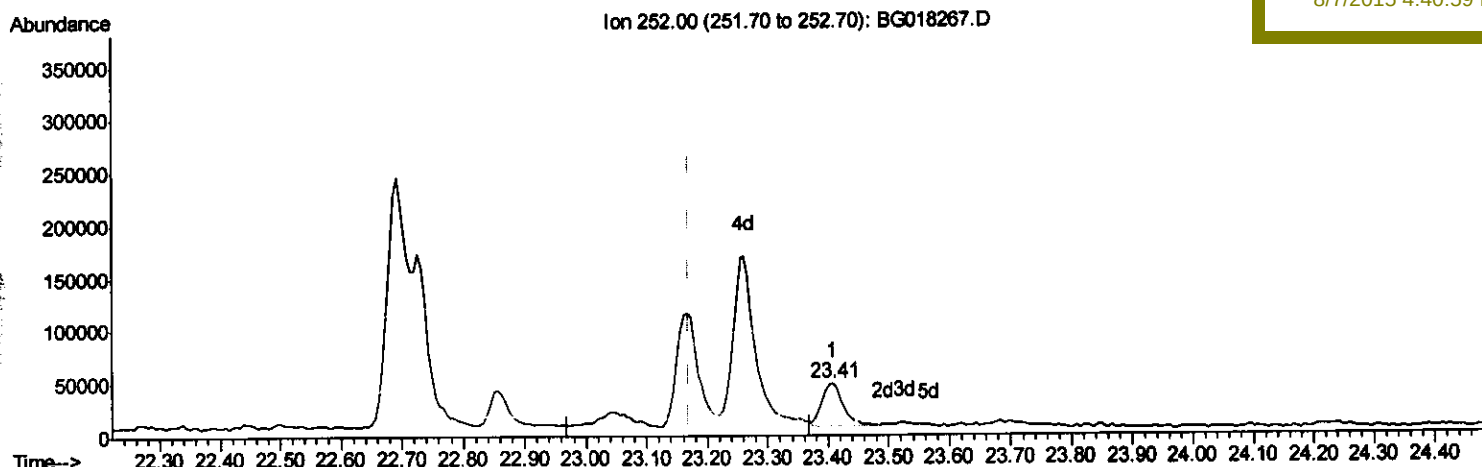
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Quant Time: Aug 05 05:25:39 2015
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Manual Integrations
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(91) Benzo(a)pyrene (C)

23.408min (+0.238) 6.05ng/ul

response 98185

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	43.10#
125.00	9.10	171.31#
0.00	0.00	0.00

Quantitation Report (Qedit)

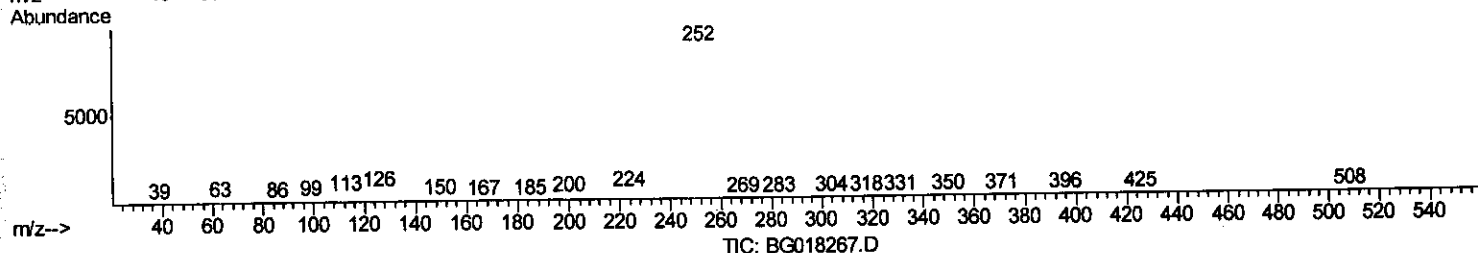
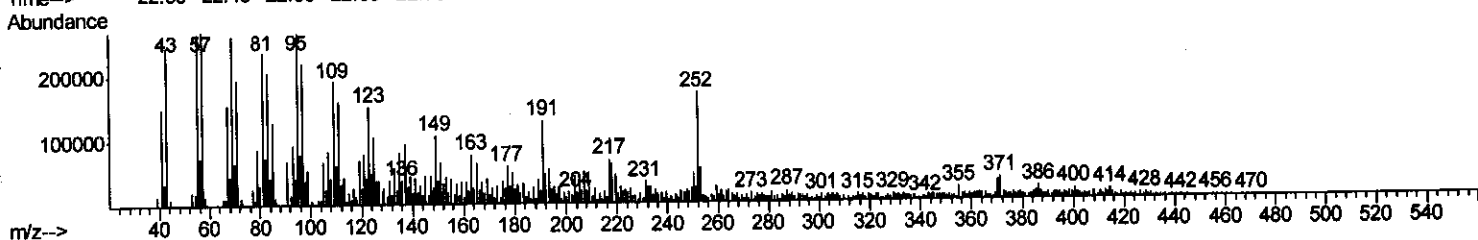
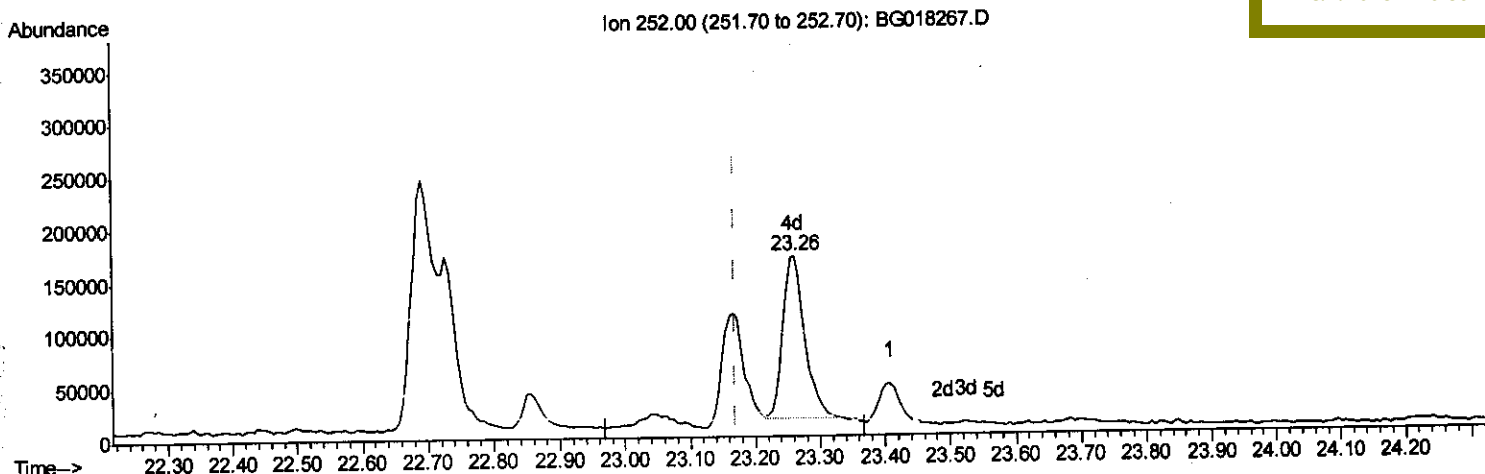
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Quant Time: Aug 05 05:25:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
 Response via : Initial Calibration

Manual Integrations
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 8/7/2015 4:40:59 PM



(91) Benzo(a)pyrene (C)

23.261min (+0.091) 22.25ng/ul m

response 361035

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	31.37#
125.00	9.10	61.91#
0.00	0.00	0.00

T. P
 8/8/15

Quantitation Report (Qedit)

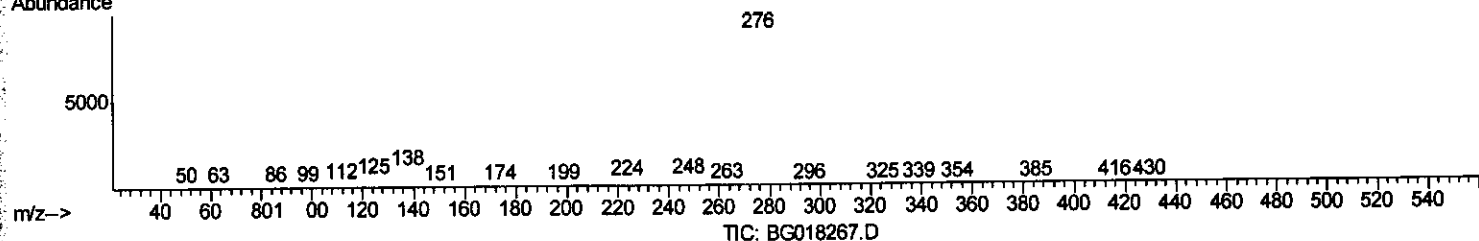
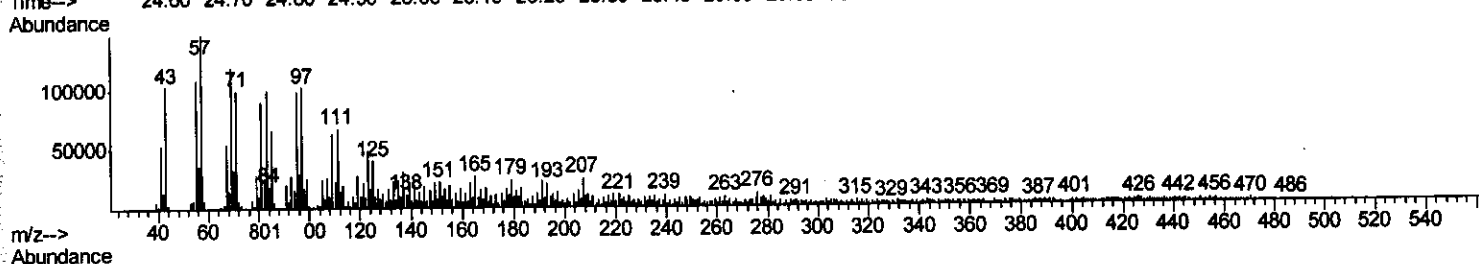
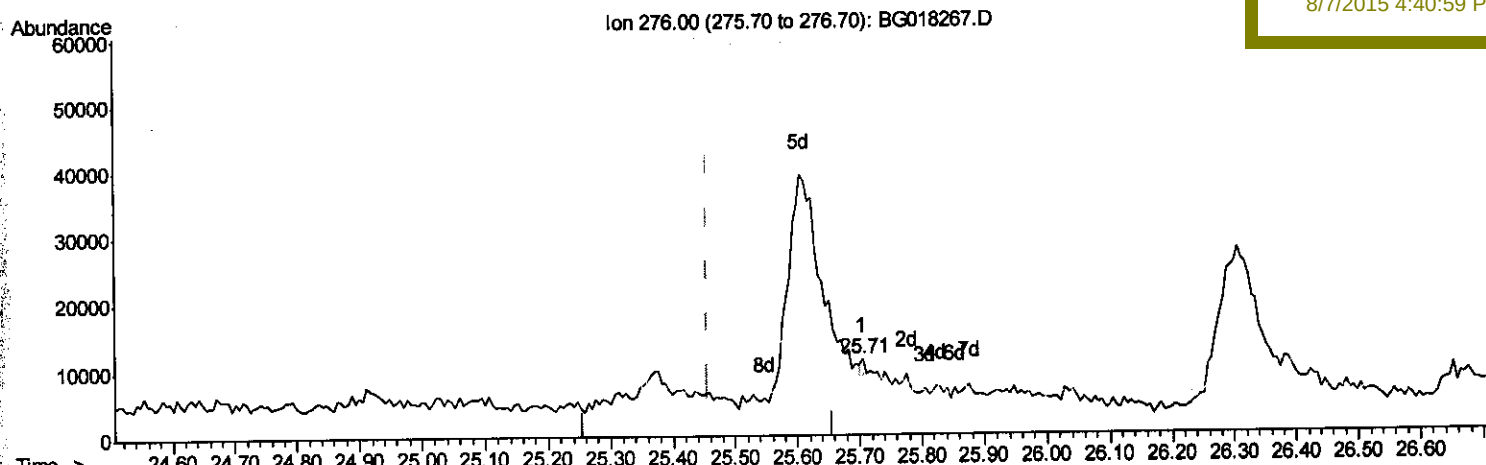
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
Data File : BG018267.D
Acq On : 5 Aug 2015 00:10
Operator : UM/TP
Sample : G3109-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 05 05:25:39 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:27:11 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C02F4

Manual Integrations
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8/7/2015 4:40:59 PM



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

25.705min (+0.249) 0.05ng/ul

response 873

Ion	Exp%	Act%
276.00	100	100
138.00	21.50	102.19#
277.00	24.40	66.38#
0.00	0.00	0.00

Quantitation Report (Qedit)

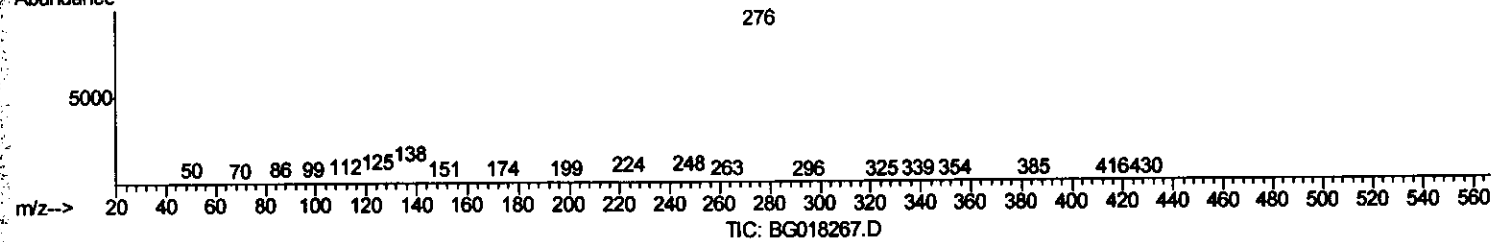
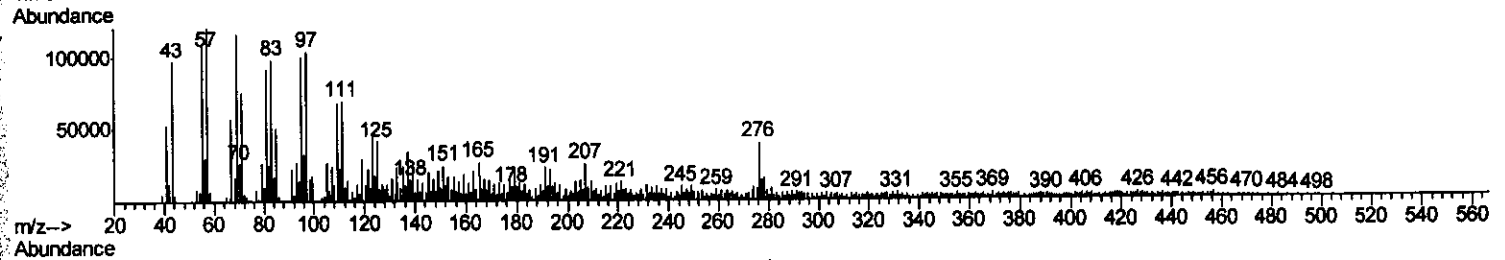
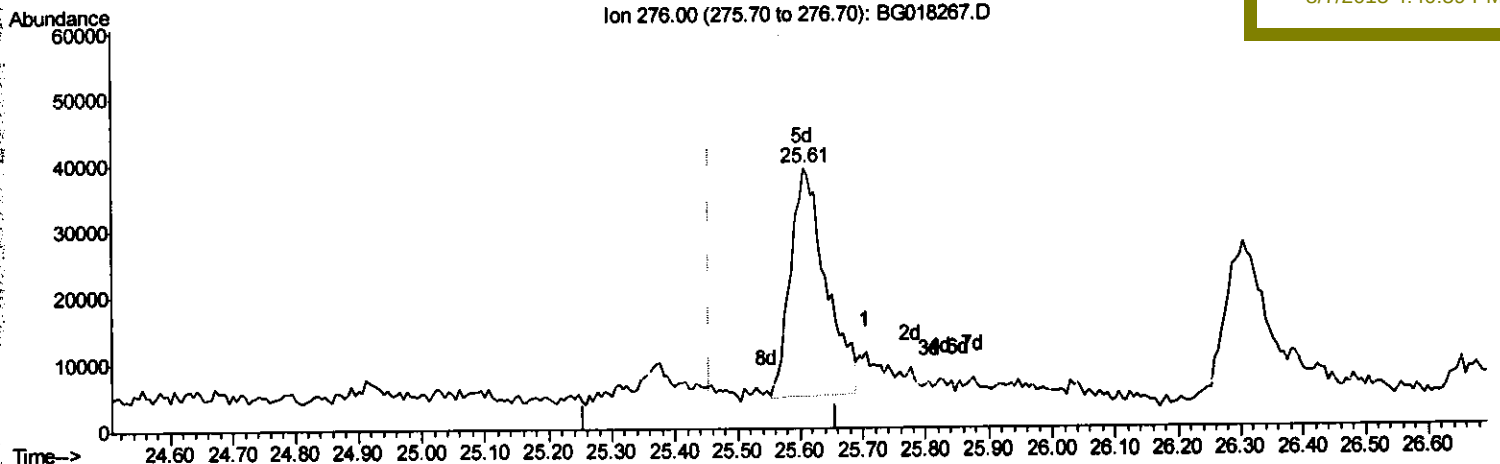
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Quant Time: Aug 05 05:25:39 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
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Manual Integrations
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 8/7/2015 4:40:59 PM



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

25.605min (+0.149) 7.16ng/ul m

response 134342

Ion	Exp%	Act%
276.00	100	100
138.00	21.50	37.46#
277.00	24.40	36.55#
0.00	0.00	0.00

T.P
 8/8/15

Quantitation Report (Qedit)

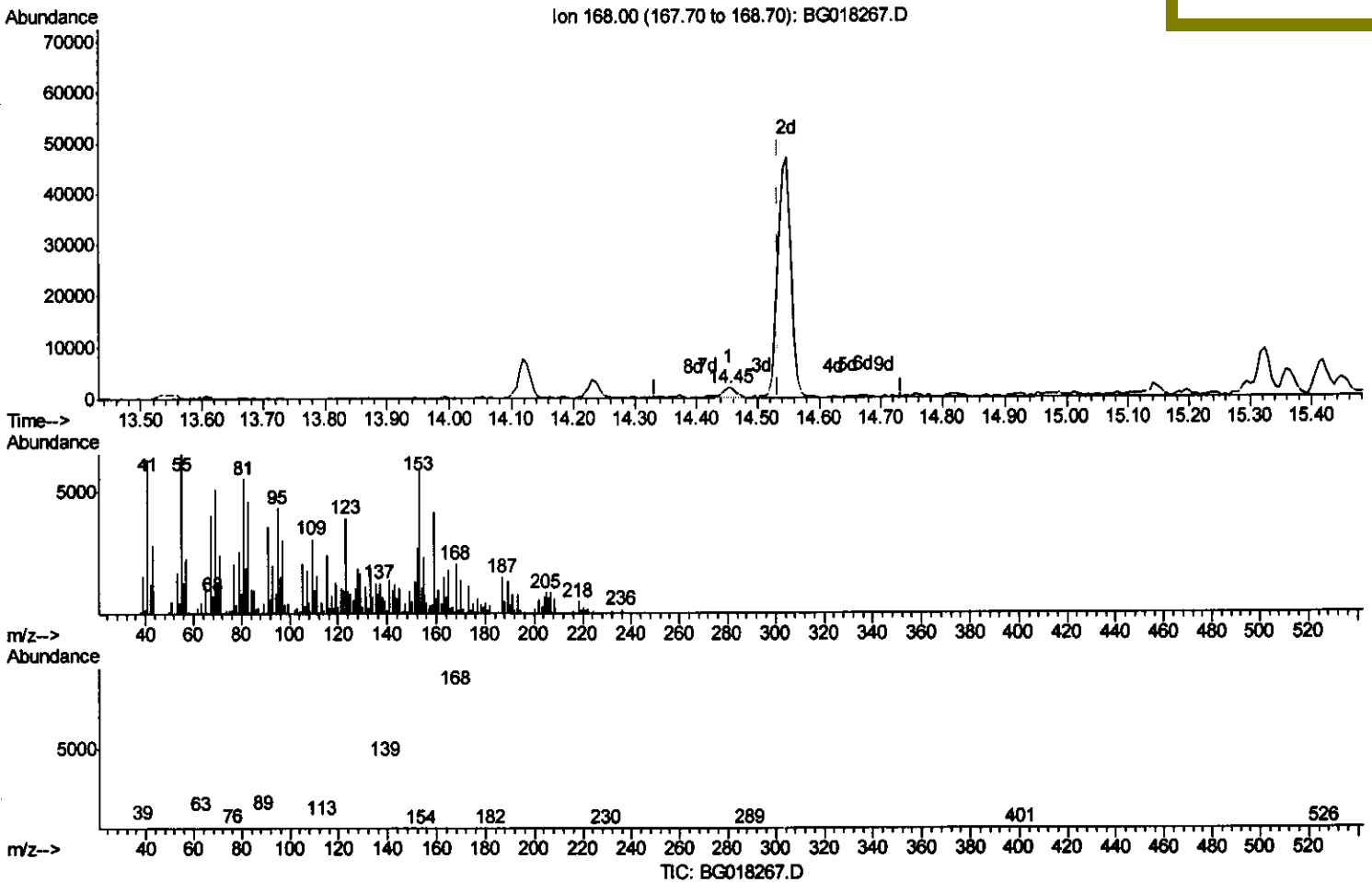
Data Path : Z:\HPCHEM1\BNA_G\Data\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Quant Time: Aug 05 05:38:37 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
 Response via : Initial Calibration

Manual Integration
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 8/7/2015 4:40:59 PM



(54) Dibenzofuran

14.454min (-0.080) 0.35ng/ul

response 3090

Ion	Exp%	Act%
168.00	100	100
139.00	33.50	29.61
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

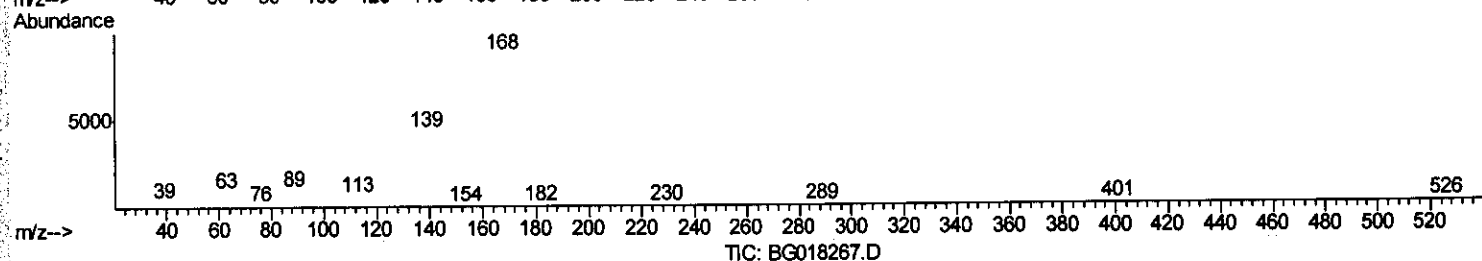
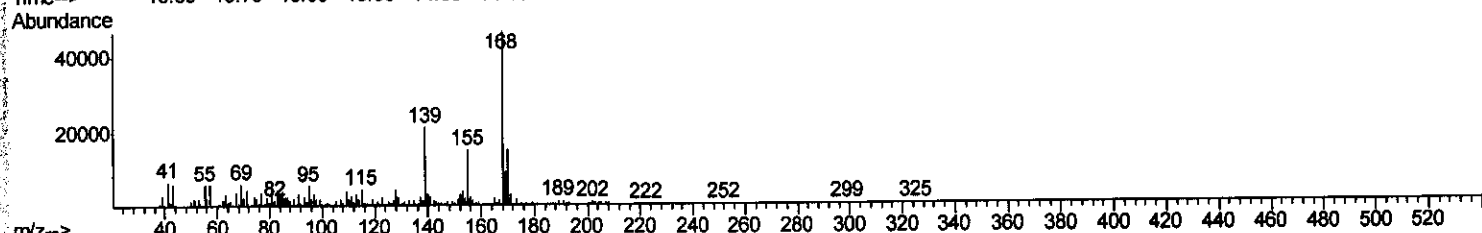
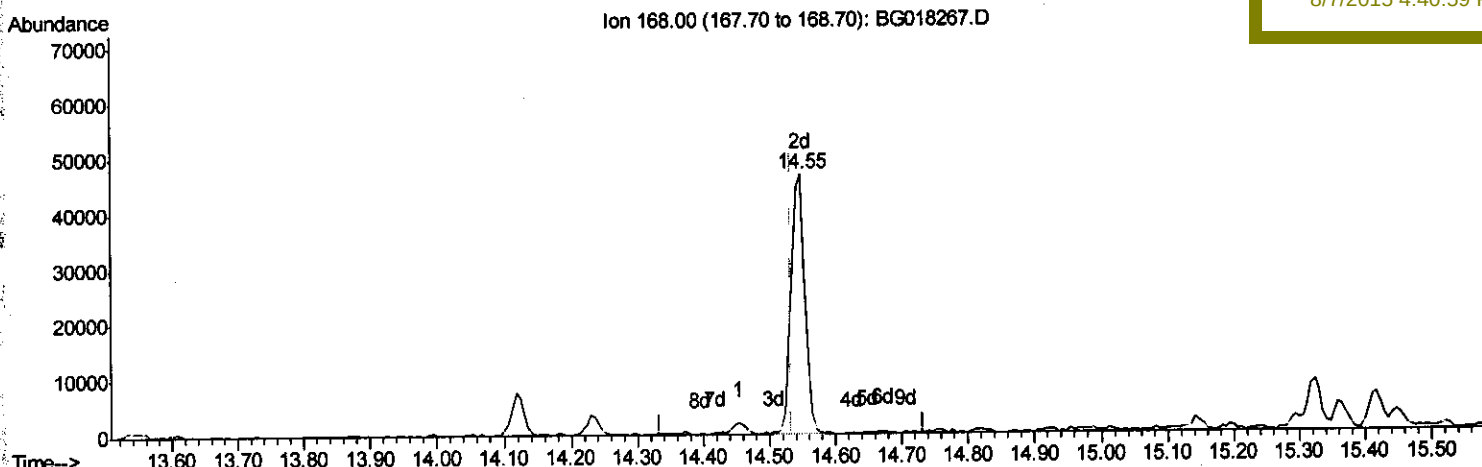
Data Path : Z:\HPCHEM1\BNA_G\Data\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Quant Time: Aug 05 05:38:37 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
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Manual Integrations
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 8/7/2015 4:40:59 PM



(54) Dibenzofuran

14.548min (+0.014) 7.76ng/ul m

response 67849

T.P
 8/8/15

Ion	Exp%	Act%
168.00	100	100
139.00	33.50	45.07#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\Data\BG080415\
 Data File : BG018267.D
 Acq On : 5 Aug 2015 00:10
 Operator : UM/TP
 Sample : G3109-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02F4

Quant Time: Aug 07 04:17:51 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:27:11 2015
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Manual Integrations
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 8/7/2015 4:40:59 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	46039	20.00	ng/ul	0.00
18) Naphthalene-d8	10.24	136	186321	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.14	164	100126	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.90	188	185702m	20.00	ng/ul	0.01
78) Chrysene-d12	21.13	240	264632m	20.00	ng/ul	0.03
86) Perylene-d12	23.35	264	301883m	20.00	ng/ul	0.09

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.93	96	894	1.47	ng/uL	0.00
5) Phenol-d5	6.67	99	34476	8.33	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.80	67	20114	9.51	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	29214	9.34	ng/ul	0.00
13) 4-Methylphenol-d8	8.20	113	29776	8.83	ng/ul	0.01
19) Nitrobenzene-d5	8.61	128	15844	10.80	ng/ul	0.00
22) 2-Nitrophenol-d4	9.33	143	17982	10.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.88	165	29243	9.82	ng/ul	0.00
29) 4-Chloroaniline-d4	10.39	131	23520	6.34	ng/ul	0.01
44) Dimethylphthalate-d6	13.55	166	91005	11.76	ng/ul	0.00
47) Acenaphthylene-d8	13.83	160	106775	11.90	ng/ul	0.01
52) 4-Nitrophenol-d4	14.41	143	7244	5.06	ng/ul	0.02
58) Fluorene-d10	15.15	176	73908	10.56	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.01	188	86099m	10.66	ng/ul	0.02
79) Pyrene-d10	19.34	212	83475m	6.52	ng/ul	0.04
90) Benzo(a)pyrene-d12	23.21	264	188546m	12.35	ng/ul	0.08

Target Compounds

					Qvalue	
11) 2-Methylphenol	7.93	108	3989	1.20	ng/ul	89
14) Acetophenone	8.26	105	22836m	4.35	ng/ul	
16) 4-Methylphenol	8.26	108	17412	4.74	ng/ul	96
24) 2,4-Dimethylphenol	9.45	107	61087	16.50	ng/ul#	75
28) Naphthalene	10.29	128	148580	16.56	ng/ul	97
34) 2-Methylnaphthalene	11.92	142	66513	9.37	ng/ul	93
35) 1-Methylnaphthalene	12.14	142	46462	6.82	ng/ul#	100
41) 1,1'-Biphenyl	12.96	154	36595	5.11	ng/ul#	97
45) Dimethylphthalate	13.60	163	57756	7.50	ng/ul	98
50) Acenaphthene	14.21	153	76966	13.26	ng/ul	96
54) Dibenzofuran	14.55	168	67849m	7.76	ng/ul	
59) Fluorene	15.20	166	81888	10.86	ng/ul	98
70) Phenanthrene	16.95	178	493791m	52.34	ng/ul	
72) Anthracene	17.04	178	115618	12.32	ng/ul	98
75) Carbazole	17.32	167	43470m	5.57	ng/ul	
77) Fluoranthene	19.01	202	526540m	50.82	ng/ul	
80) Pyrene	19.37	202	521920m	32.52	ng/ul	
83) Benzo(a)anthracene	21.12	228	368670m	25.87	ng/ul	
84) Bis(2-ethylhexyl)phthalate	21.06	149	2953928m	335.80	ng/ul	
85) Chrysene	21.17	228	421336m	32.28	ng/ul	
88) Benzo(b)fluoranthene	22.69	252	590675m	32.57	ng/ul	
89) Benzo(k)fluoranthene	22.73	252	235716m	14.14	ng/ul	
91) Benzo(a)pyrene	23.26	252	361035m	22.25	ng/ul	

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Manual Integrations
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8/7/2015 4:40:59 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Indeno(1,2,3-cd)pyrene	25.61	276	134342m	7.16	ng/ul	

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