

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
Data File : BM009611.D
Acq On : 07 Apr 2017 01:36
Operator : SJ/MA
Sample : I2525-09
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 07 03:58:00 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 07 03:19:28 2017
Response via : Initial Calibration

Instrument :

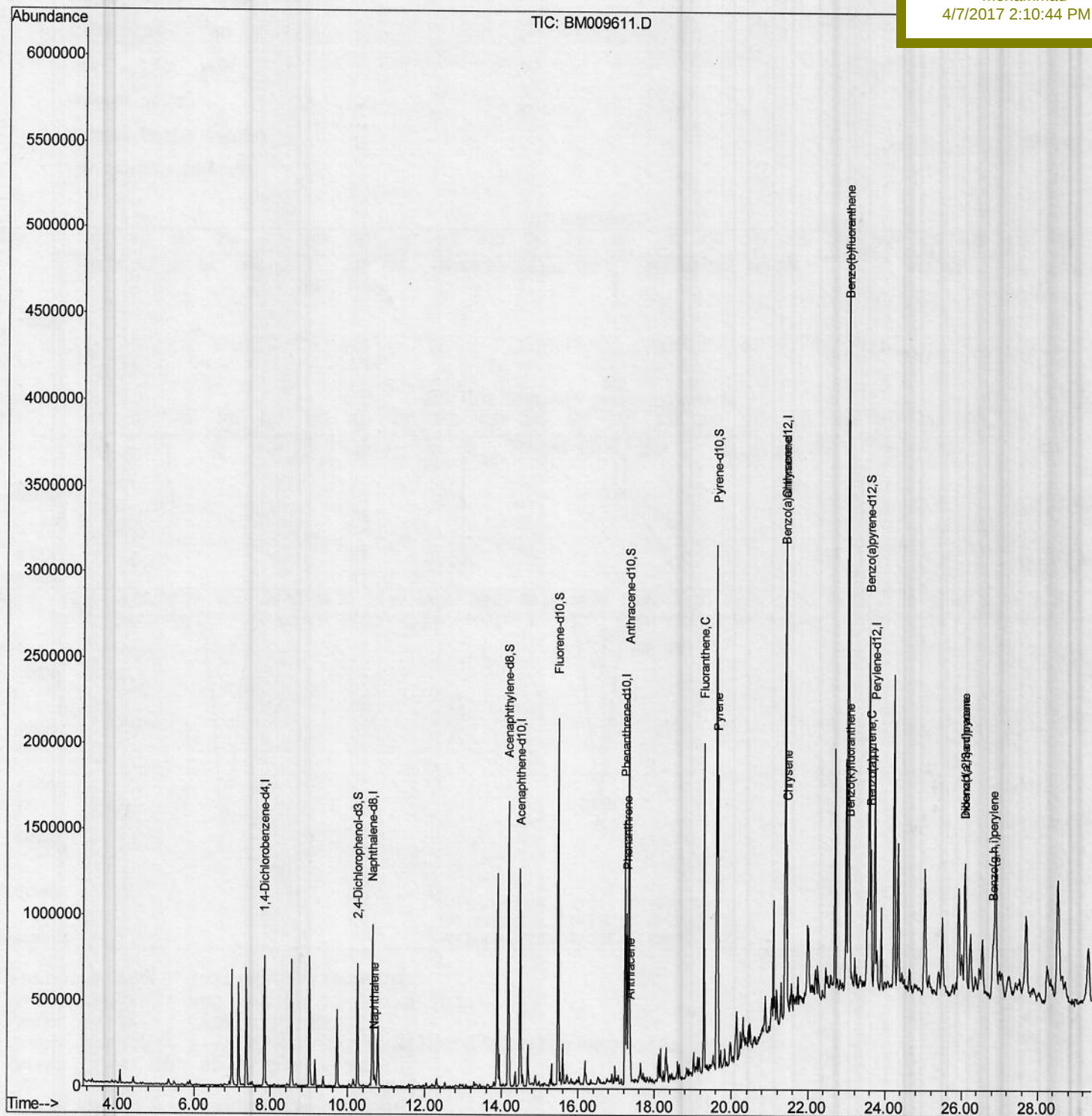
BNA_M

ClientSampleId :

CB352

Manual Integrations
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Quantitation Report (Qedit)

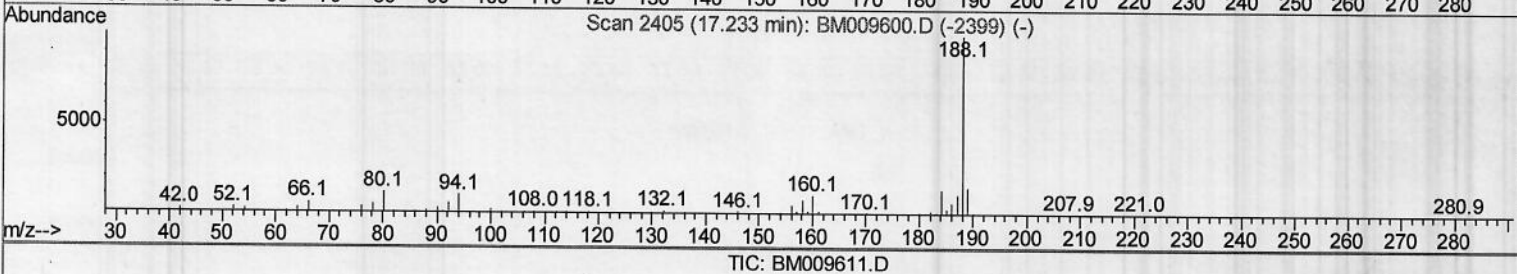
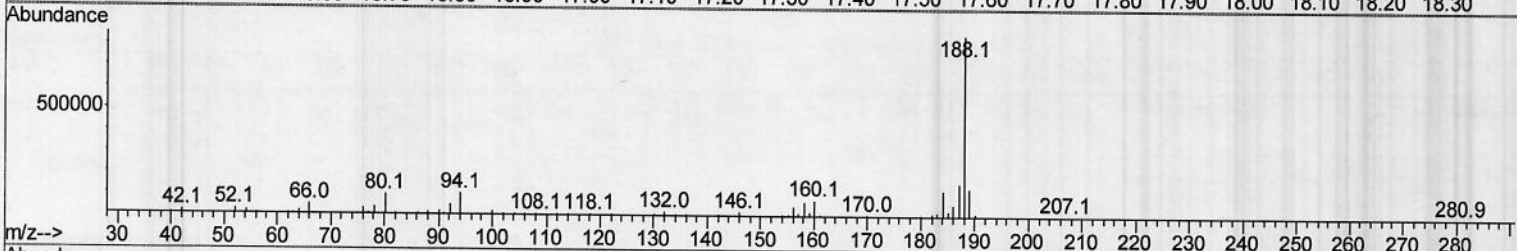
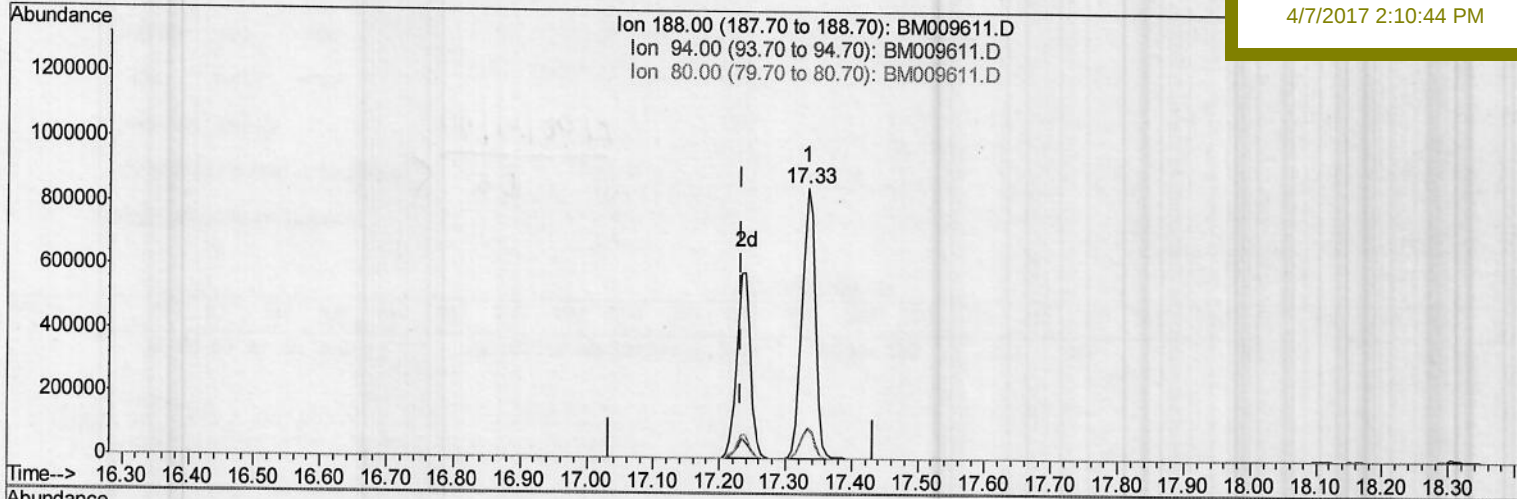
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009611.D
 Acq On : 07 Apr 2017 01:36
 Operator : SJ/MA
 Sample : I2525-09
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB352

Quant Time: Apr 07 03:22:35 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 07 03:19:28 2017
 Response via : Initial Calibration

Manual Integrations
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(12) Phenanthrene-d10 (I)

17.333min (+0.100) 20.00ng/ul

response 1202012

Ion	Exp%	Act%
188.00	100	100
94.00	9.70	11.60
80.00	10.40	10.81
0.00	0.00	0.00

Quantitation Report (Qedit)

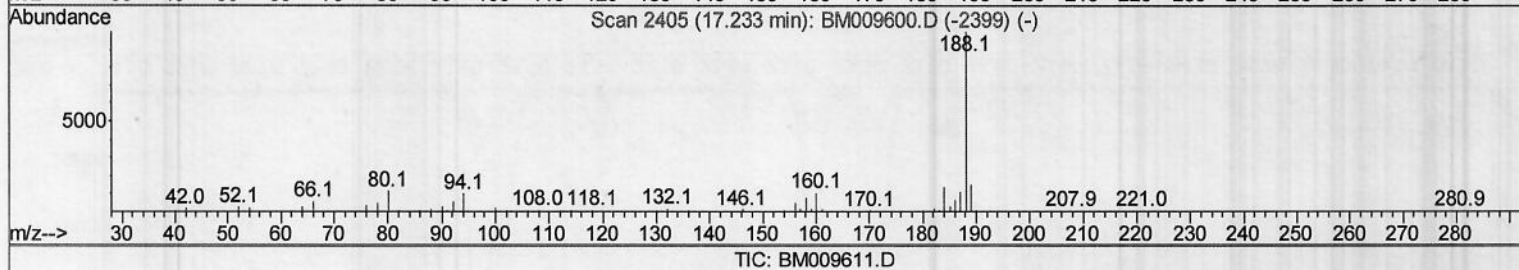
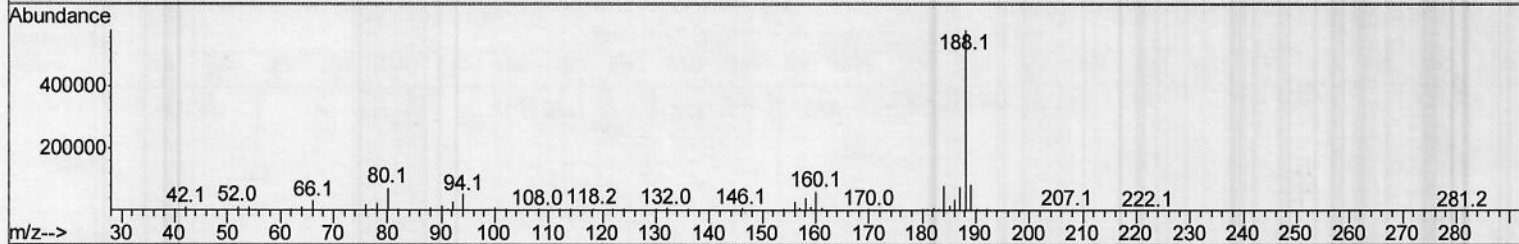
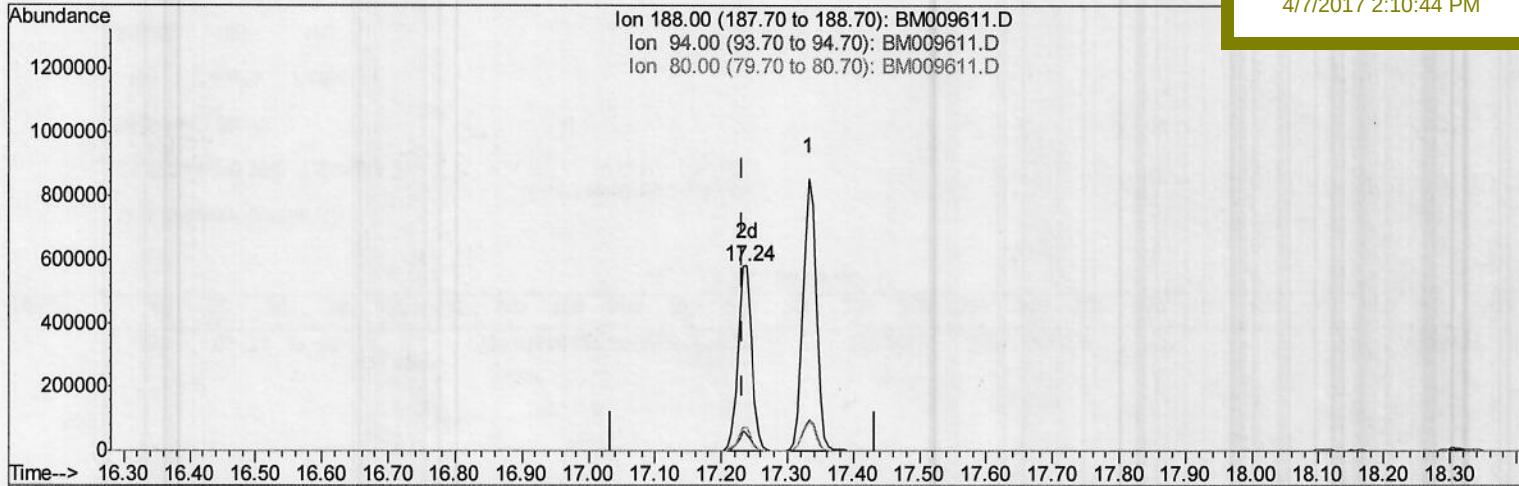
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009611.D
 Acq On : 07 Apr 2017 01:36
 Operator : SJ/MA
 Sample : I2525-09
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Ouant Time: Apr 07 03:22:35 2017
 Ouant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 07 03:19:28 2017
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 CB352

Manual Integrations
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(12) Phenanthrene-d10 (I)

17.239min (+0.006) 20.00ng/ul m

response 855875

Ion	Exp%	Act%
188.00	100	100
94.00	9.70	8.88
80.00	10.40	12.50#
0.00	0.00	0.00

SJ
 04/10/2017

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009611.D
 Acq On : 07 Apr 2017 01:36
 Operator : SJ/MA
 Sample : I2525-09
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

CB352

Quant Time: Apr 07 03:22:35 2017

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M

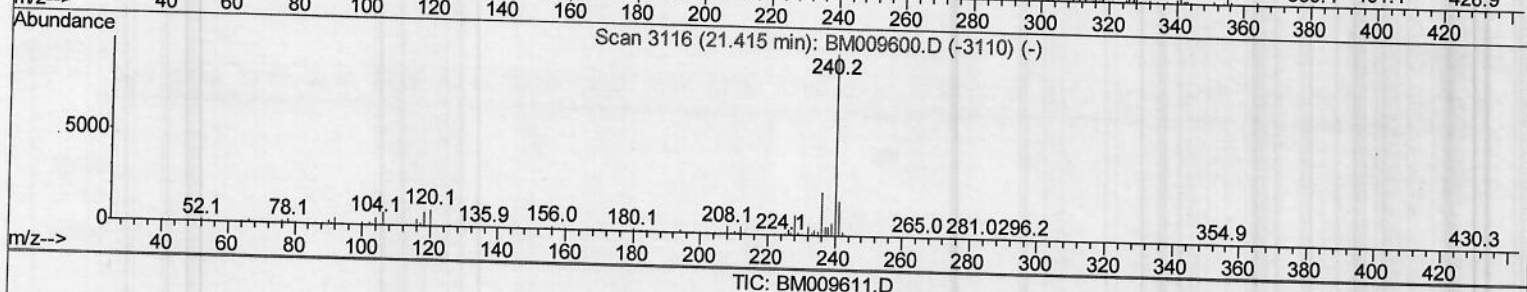
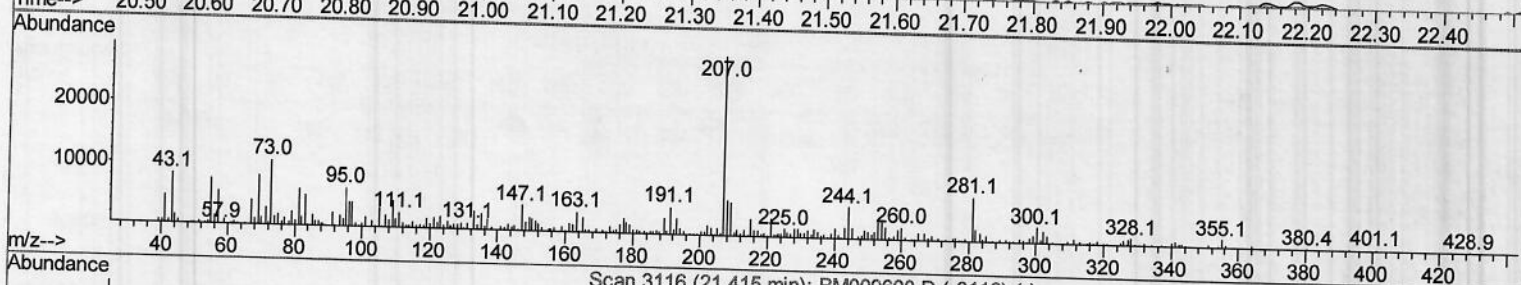
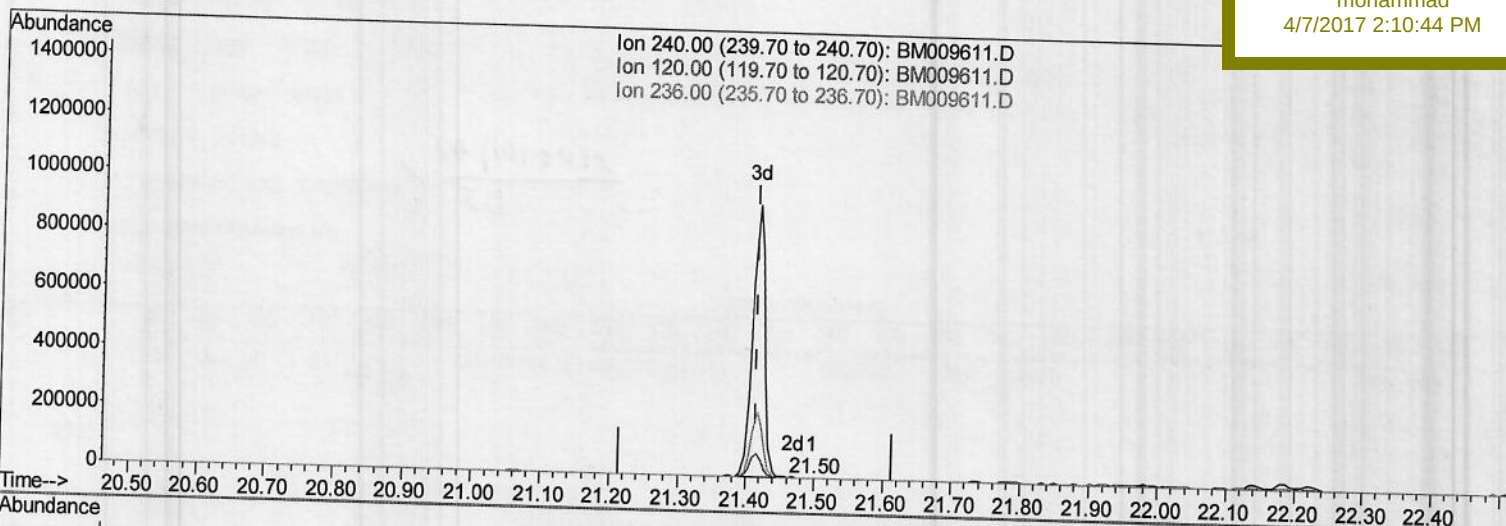
Quant Title : SVOA CALIBRATION

QLast Update : Fri Apr 07 03:19:28 2017

Response via : Initial Calibration

Manual Integrations
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(18) Chrysene-d12 (I)

21.497min (+0.082) 20.00ng/ul

response 1155

Ion	Exp%	Act%
240.00	100	100
120.00	11.80	60.68#
236.00	26.40	36.67#
0.00	0.00	0.00

Quantitation Report (Qedit)

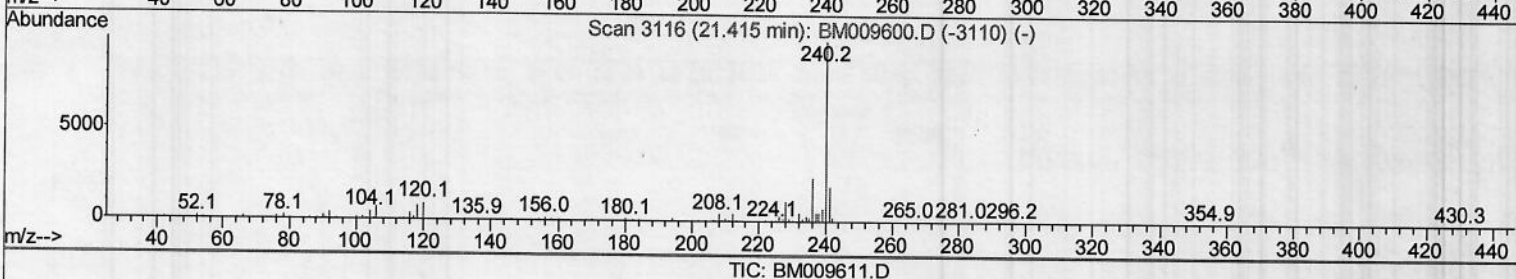
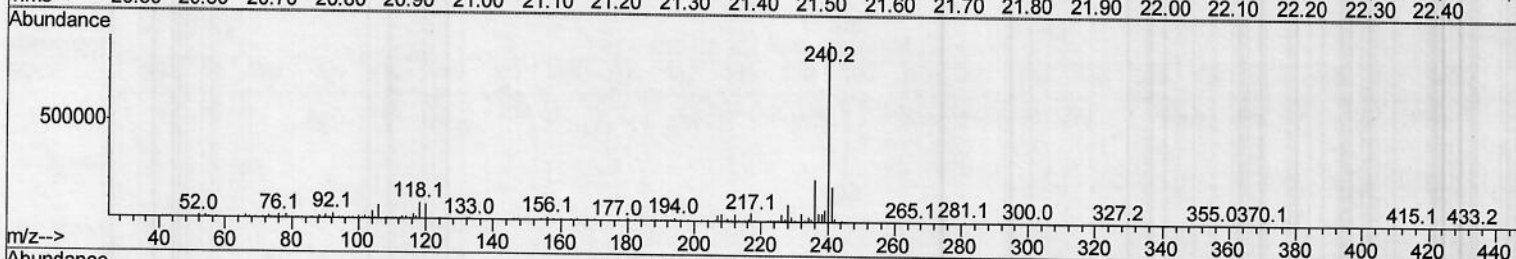
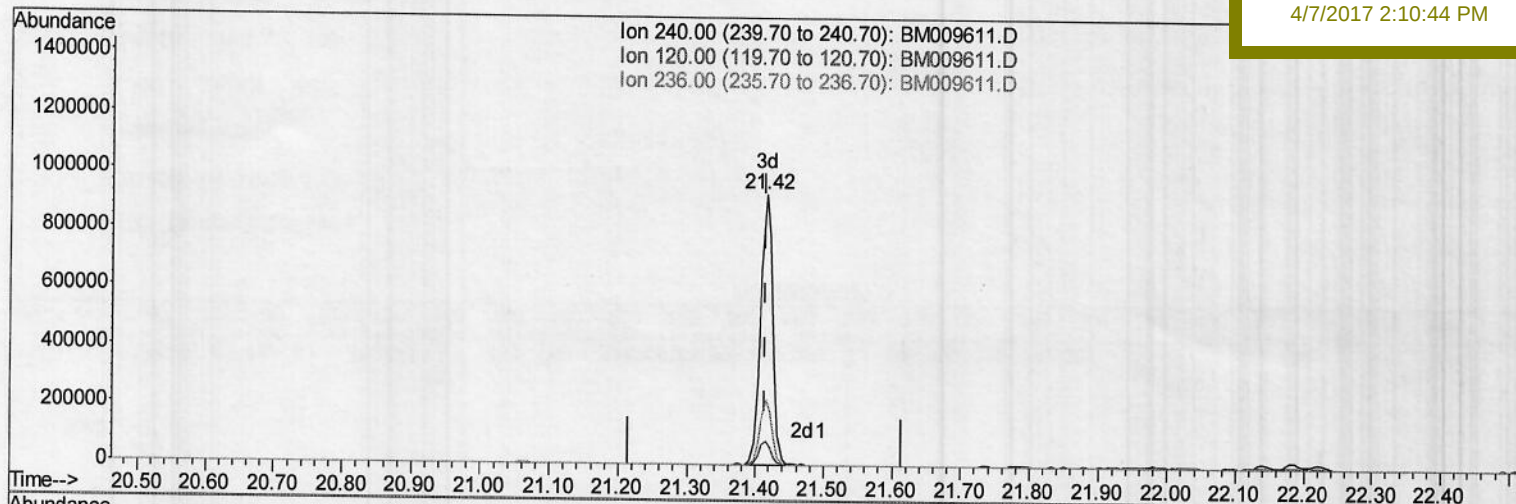
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009611.D
 Acq On : 07 Apr 2017 01:36
 Operator : SJ/MA
 Sample : I2525-09
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 CB352

Quant Time: Apr 07 03:22:35 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 07 03:19:28 2017
 Response via : Initial Calibration

Manual Integrations
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TIC: BM009611.D

(18) Chrysene-d12 (I)

21.415min (+0.000) 20.00ng/ul m

response 1137995

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Ion	Exp%	Act%
240.00	100	100
120.00	11.80	8.53#
236.00	26.40	23.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
Data File : BM009611.D
Acq On : 07 Apr 2017 01:36
Operator : SJ/MA
Sample : I2525-09
Misc :
ALS Vial : 28 Sample Multiplier: 1

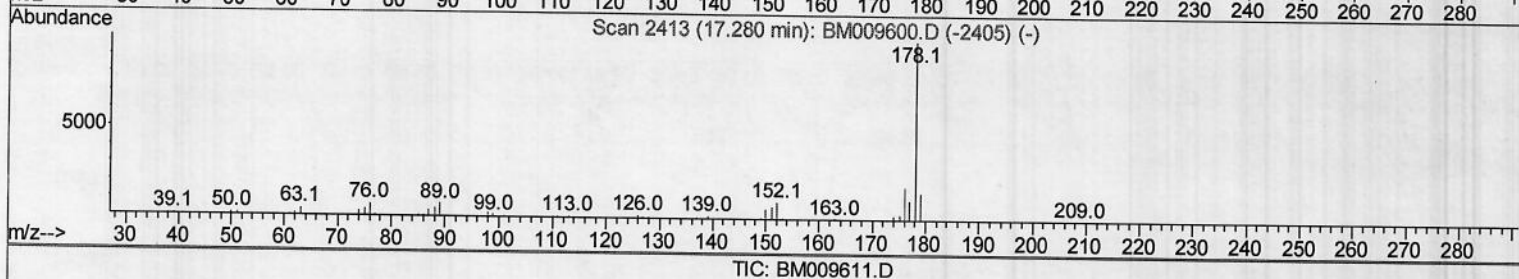
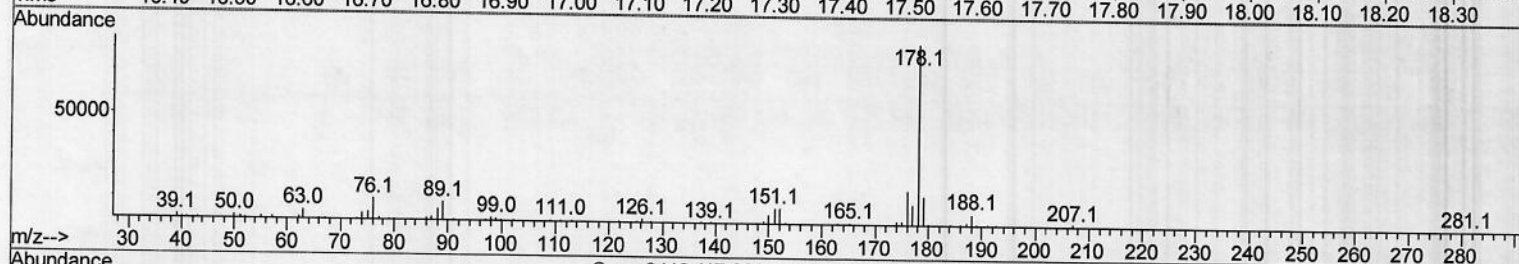
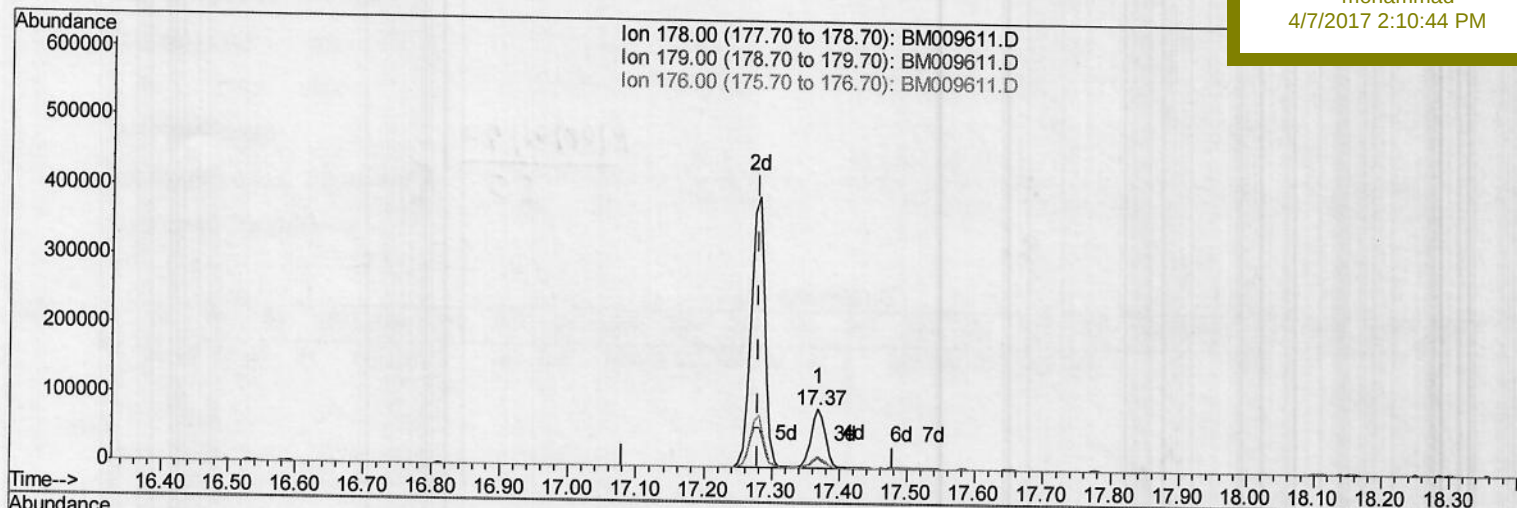
Quant Time: Apr 07 03:56:40 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 07 03:19:28 2017
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

CB352

Manual Integrations
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(14) Phenanthrene

17.368min (+0.088) 2.54ng/ul

response 122074

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	15.90
176.00	20.50	19.08
0.00	0.00	0.00

Quantitation Report (Qedit)

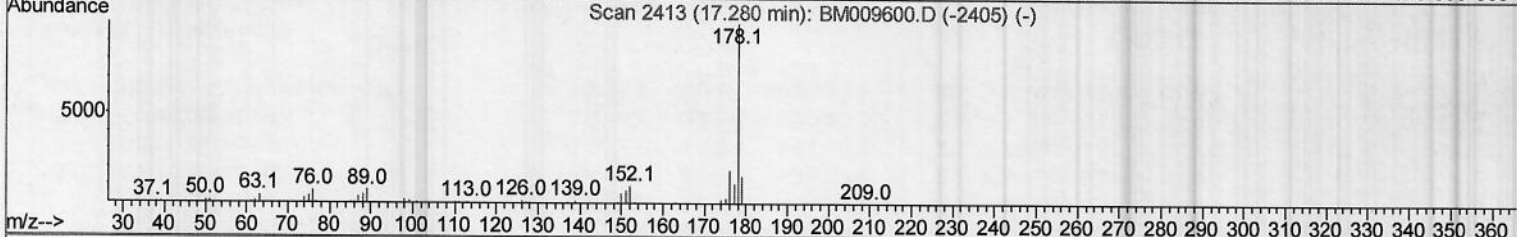
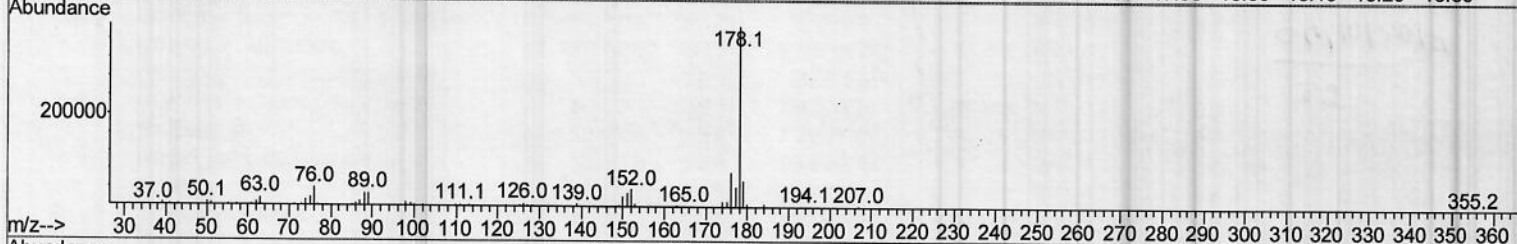
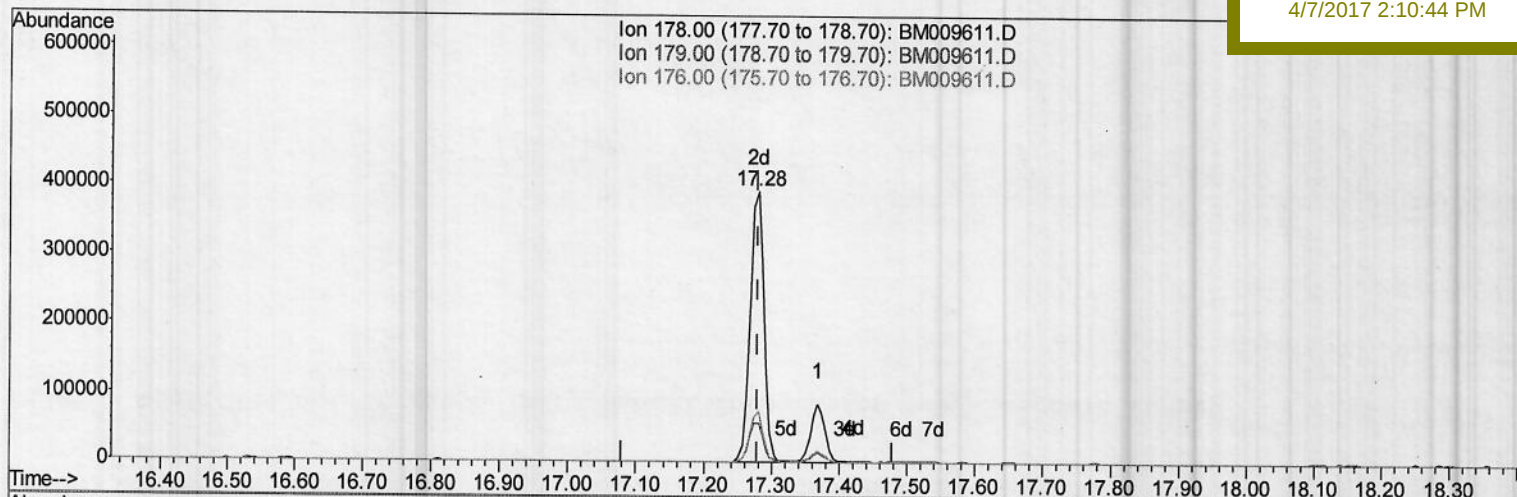
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009611.D
 Acq On : 07 Apr 2017 01:36
 Operator : SJ/MA
 Sample : I2525-09
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB352

Quant Time: Apr 07 03:56:40 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 07 03:19:28 2017
 Response via : Initial Calibration

Manual Integrations
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TIC: BM009611.D

(14) Phenanthrene

17.280min (+0.000) 11.69ng/ul m

response 562660

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	14.71
176.00	20.50	19.18
0.00	0.00	0.00

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Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009611.D
 Acq On : 07 Apr 2017 01:36
 Operator : SJ/MA
 Sample : I2525-09
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

CB352

Manual Integrations

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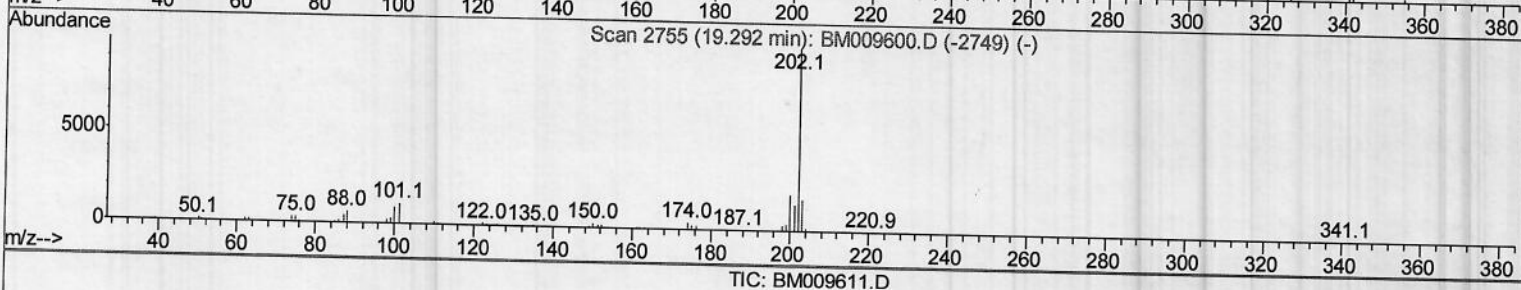
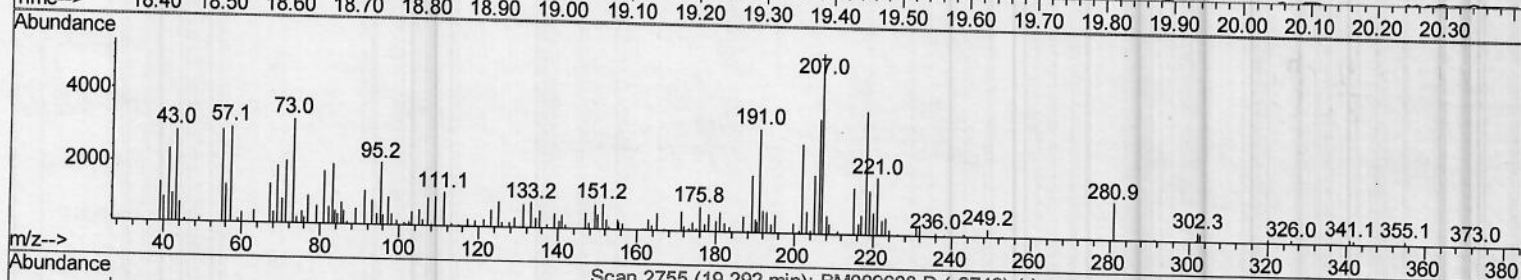
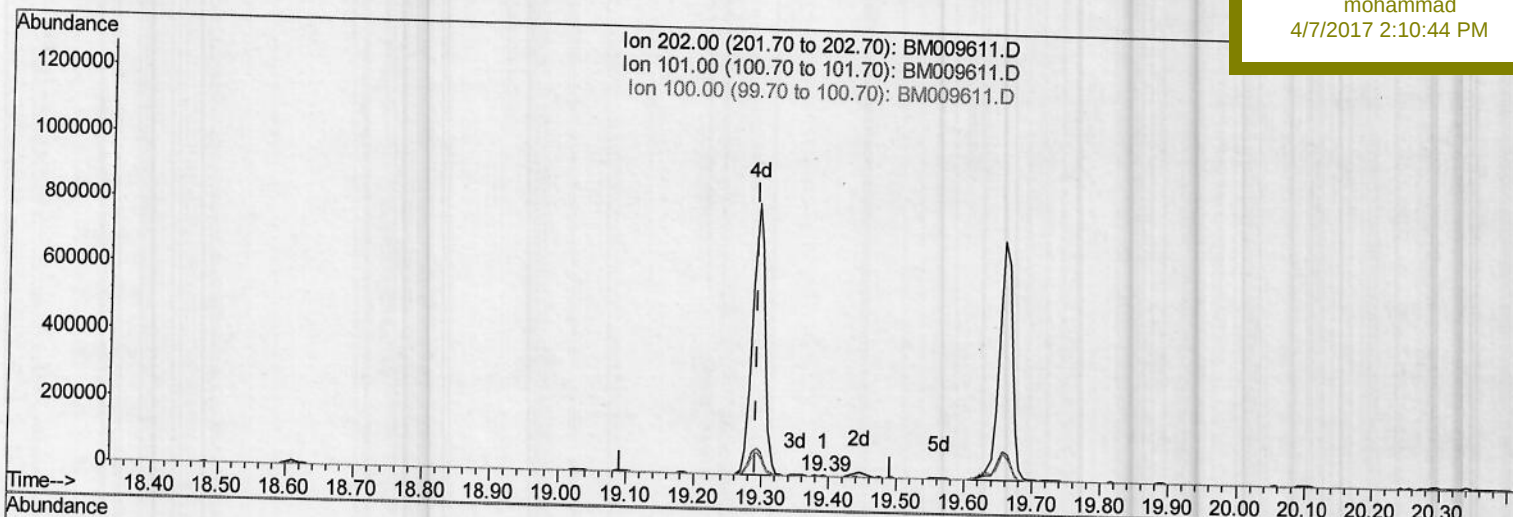
Quant Time: Apr 07 03:56:40 2017

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Apr 07 03:19:28 2017

Response via : Initial Calibration



(17) Fluoranthene (C)

19.392min (+0.100) 0.03ng/ul

response 1514

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	12.68
100.00	9.40	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009611.D
 Acq On : 07 Apr 2017 01:36
 Operator : SJ/MA
 Sample : I2525-09
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 07 03:56:40 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 07 03:19:28 2017
 Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

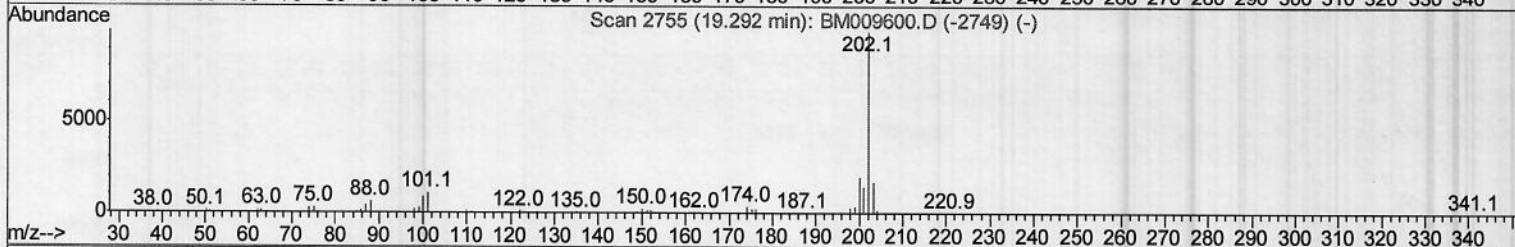
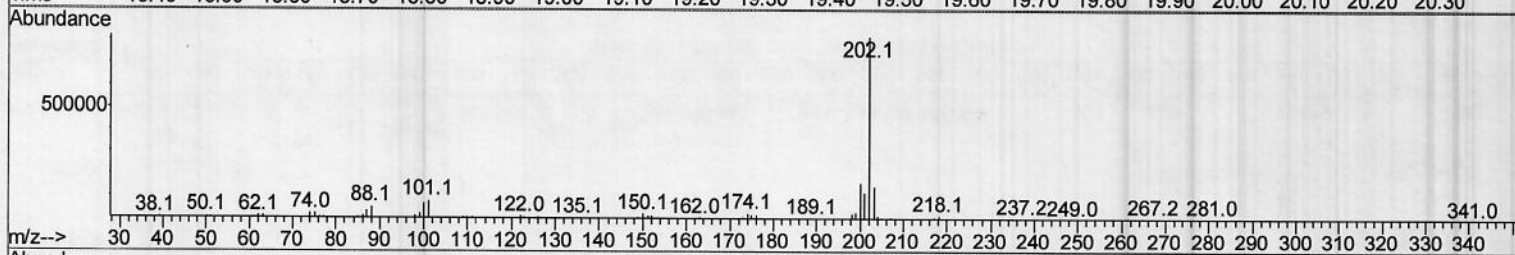
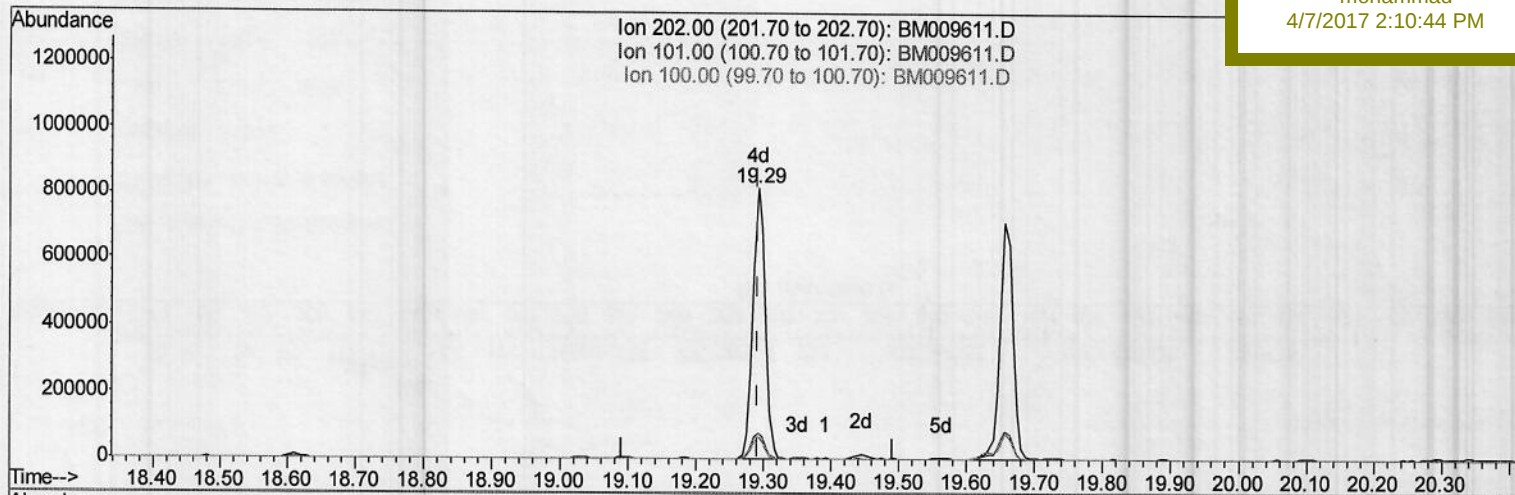
CB352

Manual Integrations

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TIC: BM009611.D

(17) Fluoranthene (C)

19.292min (+0.000) 17.47ng/ul m

response 1046684

Ion Exp% Act%

202.00 100 100

101.00 12.30 9.75#

100.00 9.40 8.16

0.00 0.00 0.00

SJ
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Quantitation Report (Qedit)

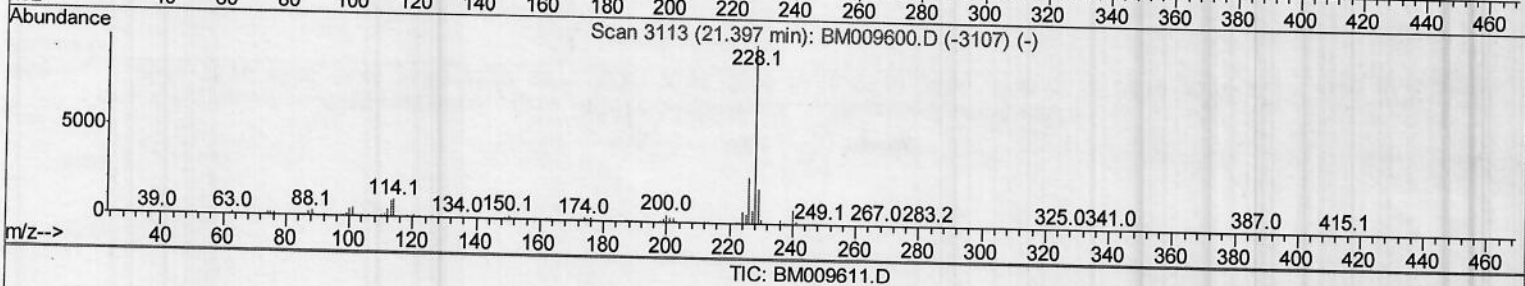
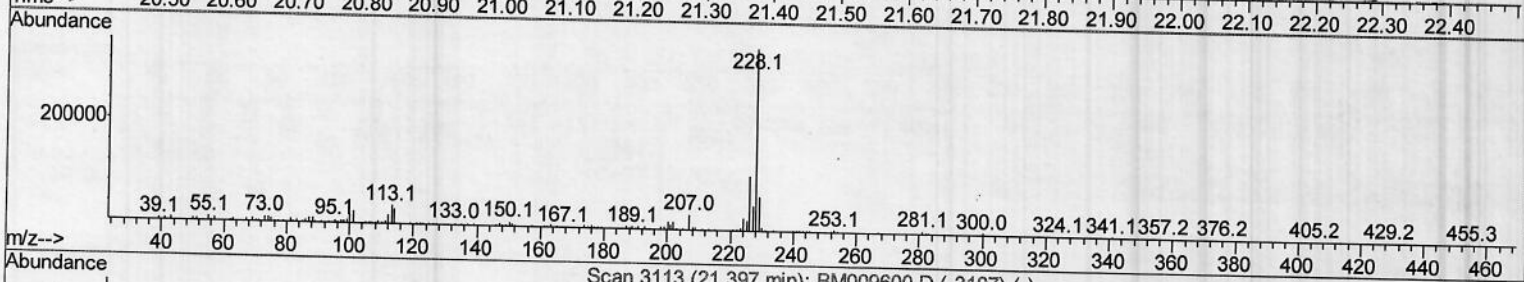
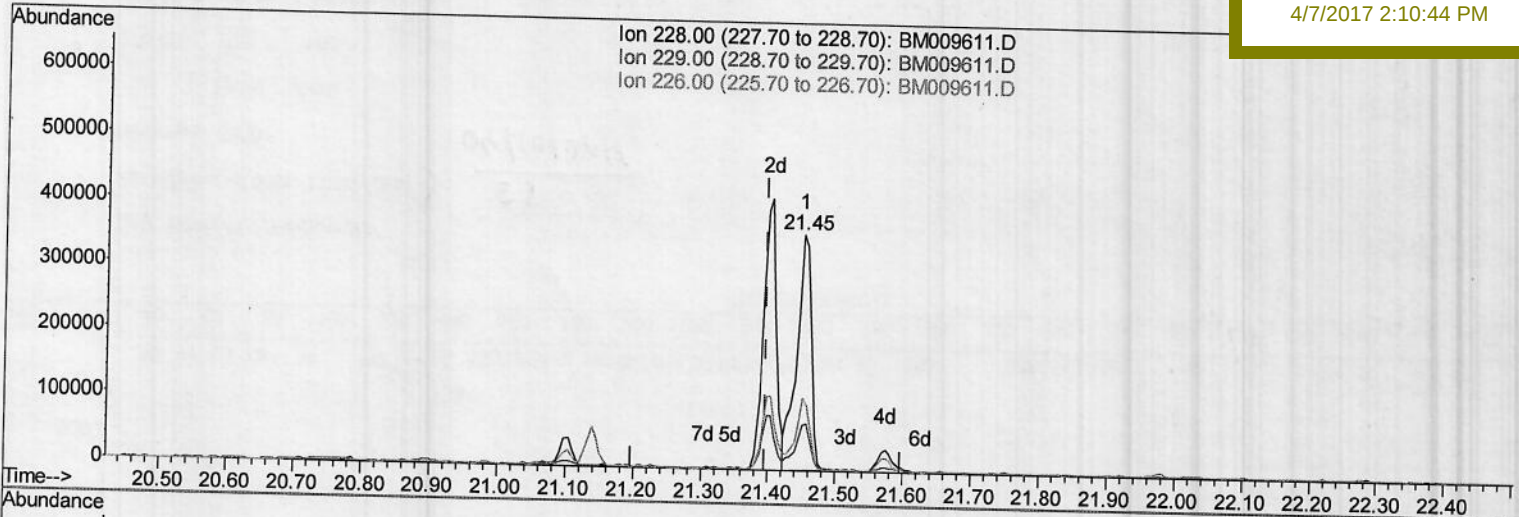
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009611.D
 Acq On : 07 Apr 2017 01:36
 Operator : SJ/MA
 Sample : I2525-09
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB352

Manual Integrations
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Quant Time: Apr 07 03:56:40 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 07 03:19:28 2017
 Response via : Initial Calibration



(21) Benzo(a)anthracene

21.450min (+0.053) 8.29ng/ul

response 533474

Ion	Exp%	Act%
228.00	100	100
229.00	19.90	19.58
226.00	27.60	30.43
0.00	0.00	0.00

Quantitation Report (Qedit)

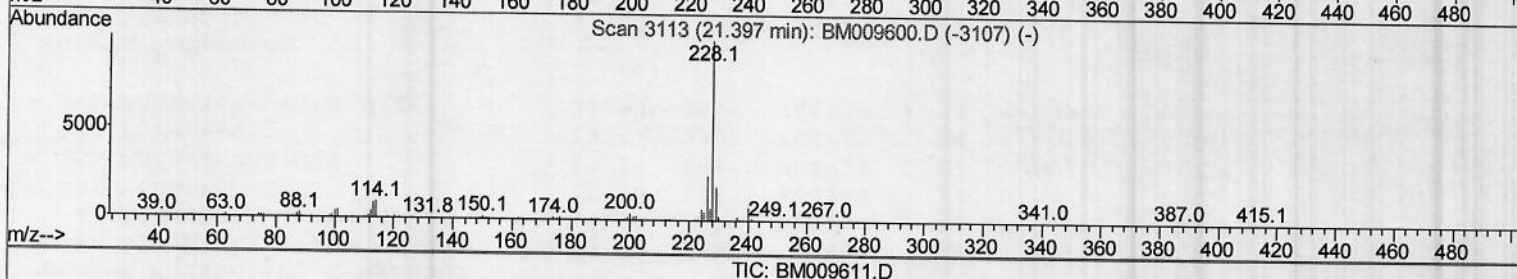
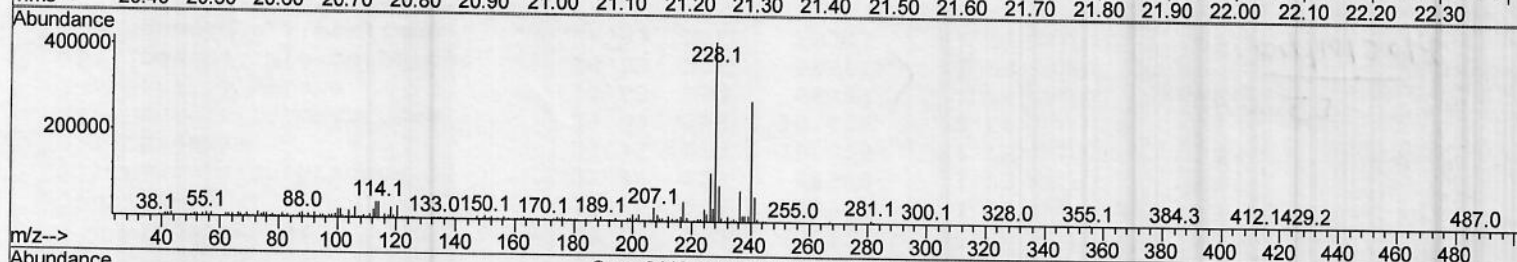
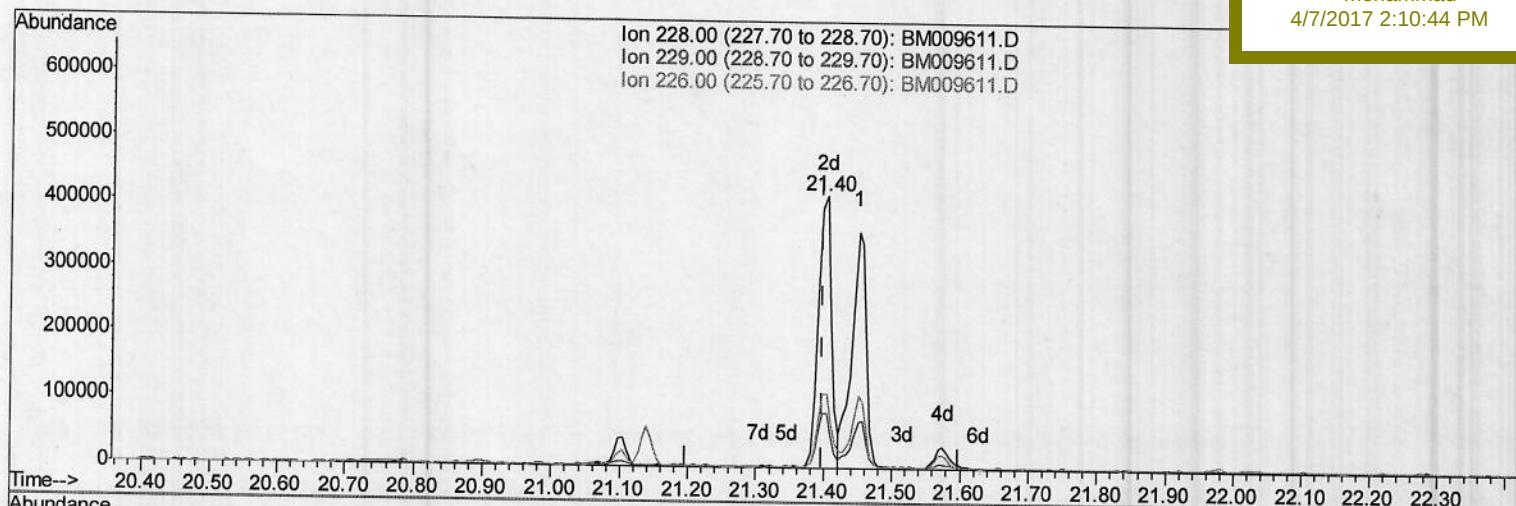
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009611.D
 Acq On : 07 Apr 2017 01:36
 Operator : SJ/MA
 Sample : I2525-09
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB352

Manual Integrations
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Quant Time: Apr 07 03:56:40 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 07 03:19:28 2017
 Response via : Initial Calibration



TIC: BM009611.D

(21) Benzo(a)anthracene

21.403min (+0.006) 8.77ng/ul m

response 564492

Ion	Exp%	Act%
228.00	100	100
229.00	19.90	19.85
226.00	27.60	26.89
0.00	0.00	0.00

35
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Quantitation Report (Qedit)

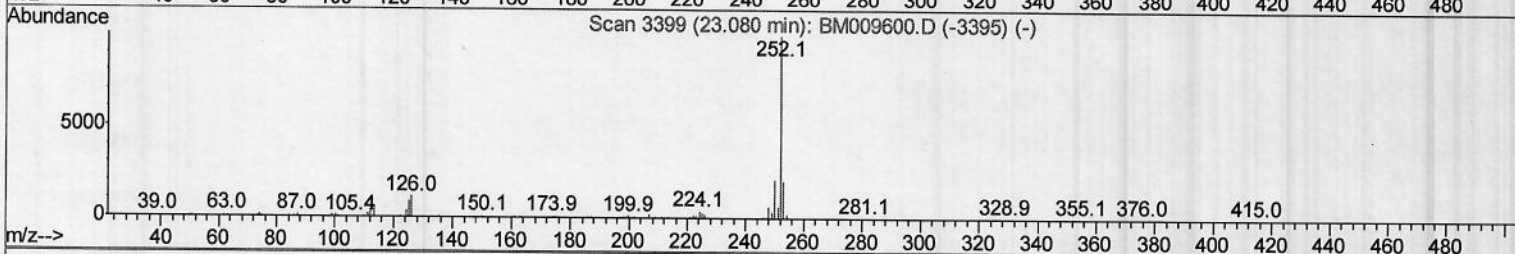
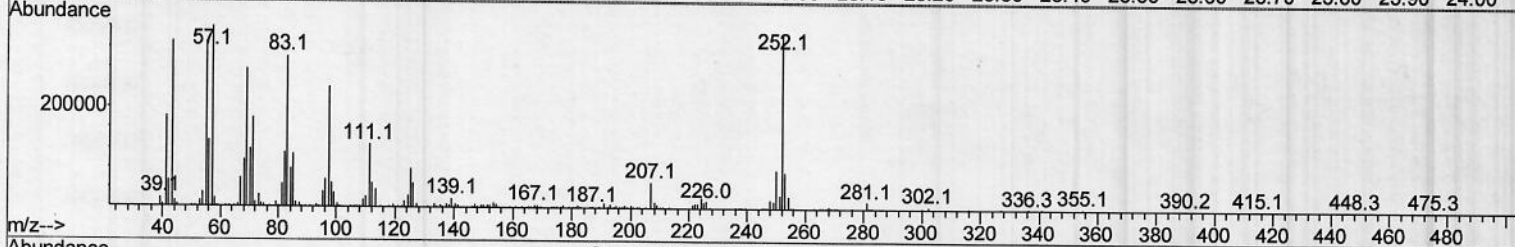
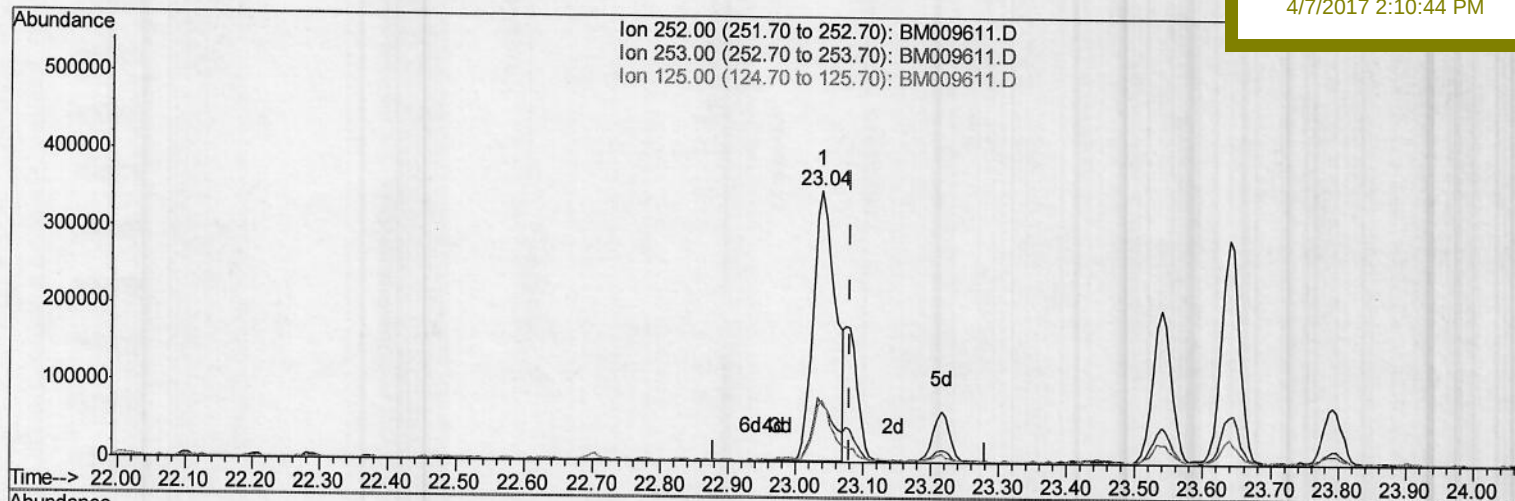
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009611.D
 Acq On : 07 Apr 2017 01:36
 Operator : SJ/MA
 Sample : I2525-09
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Apr 07 03:56:40 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 07 03:19:28 2017
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 CB352

Manual Integrations
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TIC: BM009611.D

(25) Benzo(k)fluoranthene

23.038min (-0.041) 12.36ng/ul

response 789598

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	21.33
125.00	11.00	22.56#
0.00	0.00	0.00

Quantitation Report (Qedit)

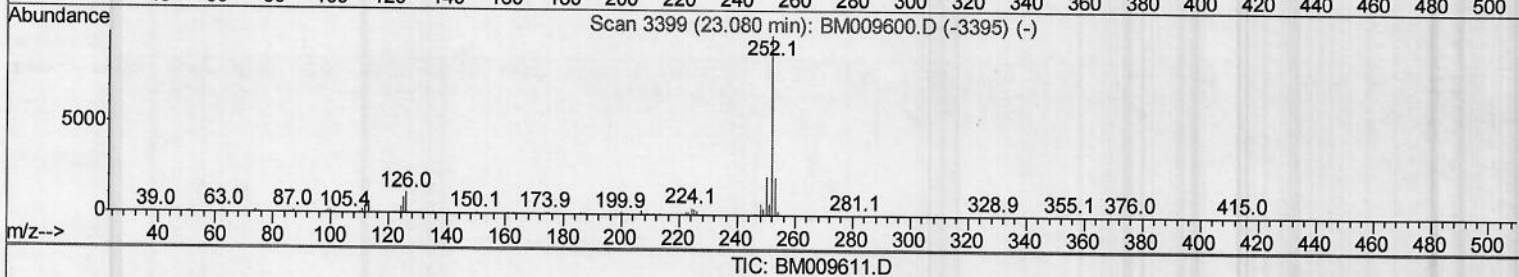
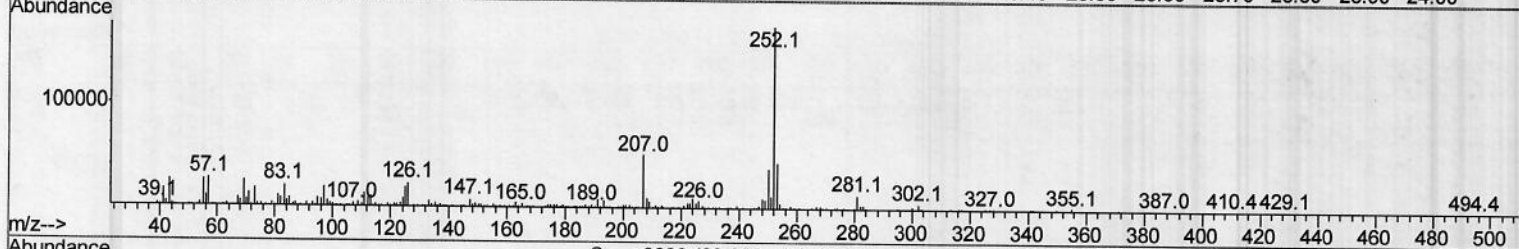
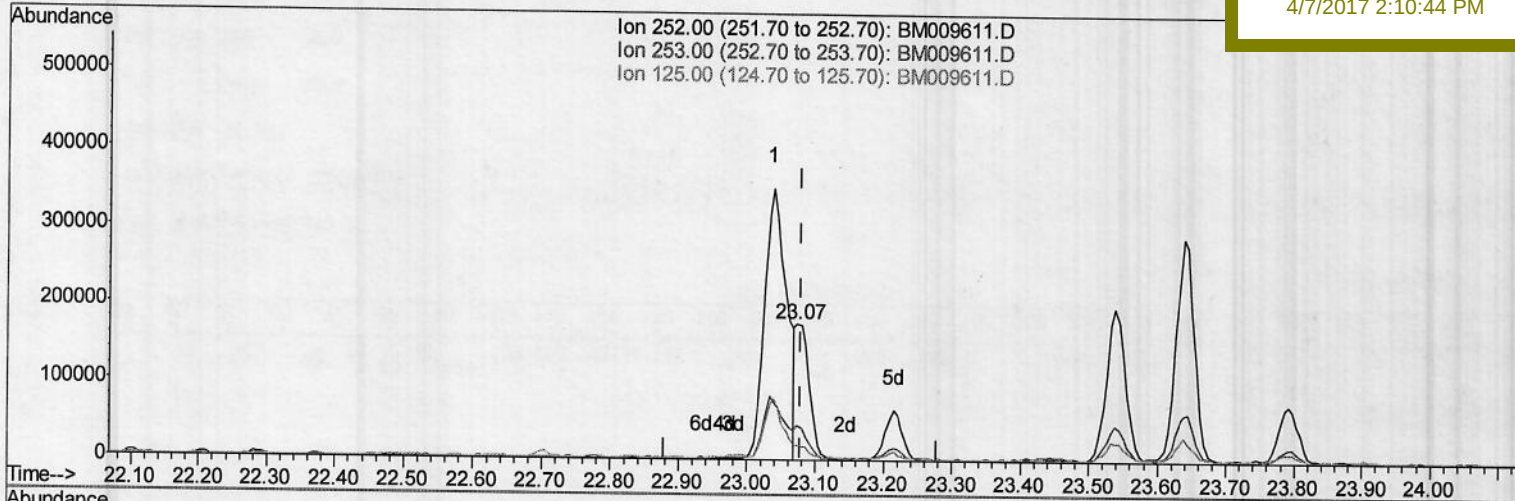
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009611.D
 Acq On : 07 Apr 2017 01:36
 Operator : SJ/MA
 Sample : I2525-09
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB352

Quant Time: Apr 07 03:56:40 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 07 03:19:28 2017
 Response via : Initial Calibration

Manual Integrations
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(25) Benzo(k)fluoranthene

23.074min (-0.006) 3.75ng/ul m

response 239520

Ion Exp% Act%

252.00 100 100

253.00 21.80 25.50

125.00 11.00 11.13

0.00 0.00 0.00

Quantitation Report (Qedit)

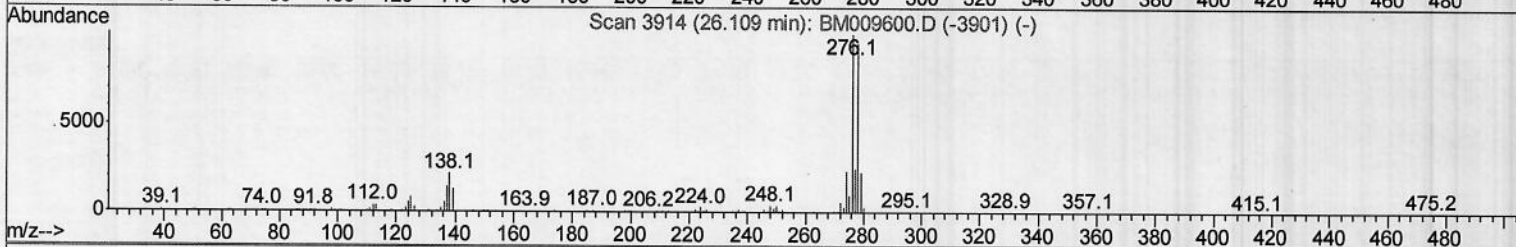
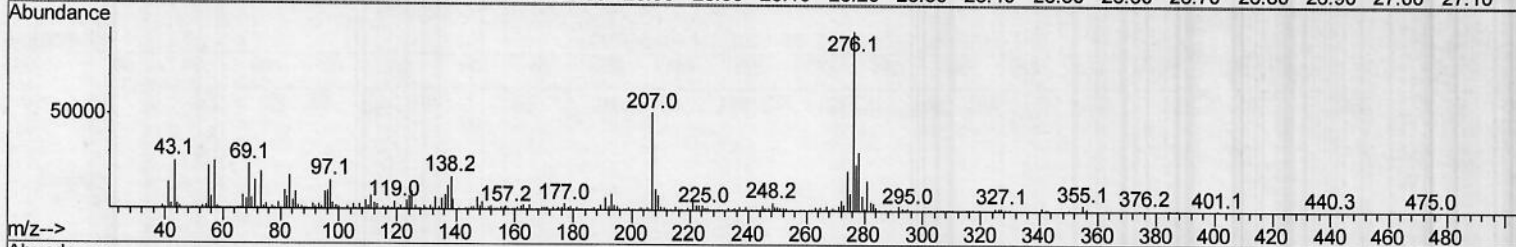
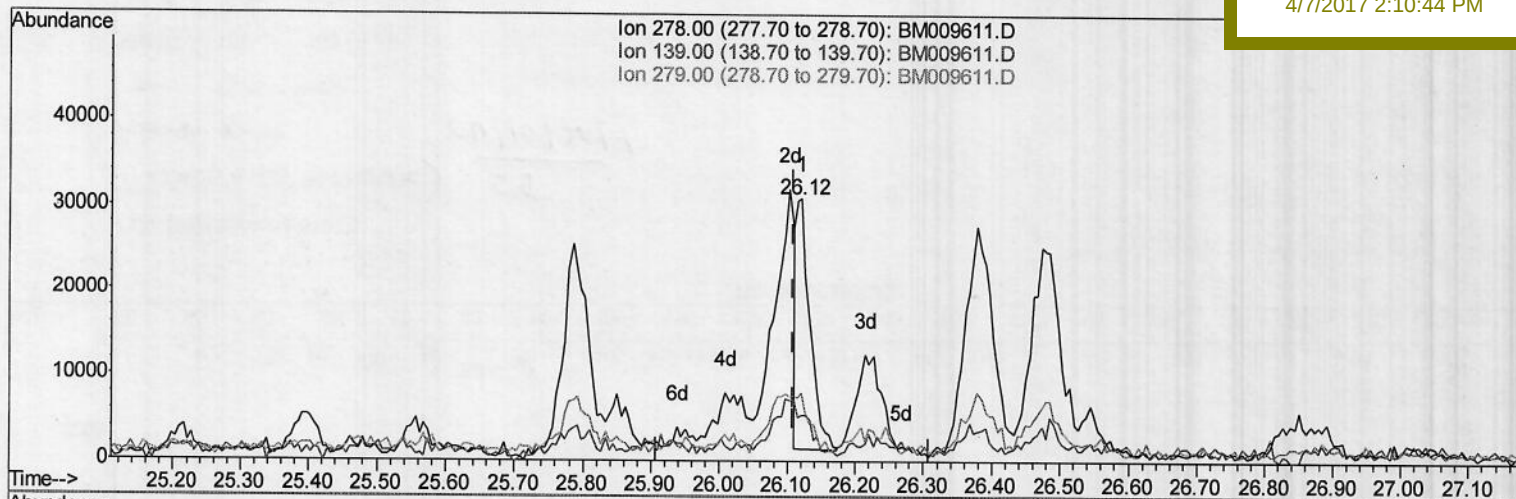
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009611.D
 Acq On : 07 Apr 2017 01:36
 Operator : SJ/MA
 Sample : I2525-09
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB352

Quant Time: Apr 07 03:56:40 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 07 03:19:28 2017
 Response via : Initial Calibration

Manual Integrations
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TIC: BM009611.D

(29) Dibenzo(a,h)anthracene

26.121min (+0.012) 0.69ng/ul

response 41709

Ion	Exp%	Act%
278.00	100	100
139.00	17.50	17.63
279.00	25.80	25.86
0.00	0.00	0.00

Quantitation Report (Qedit)

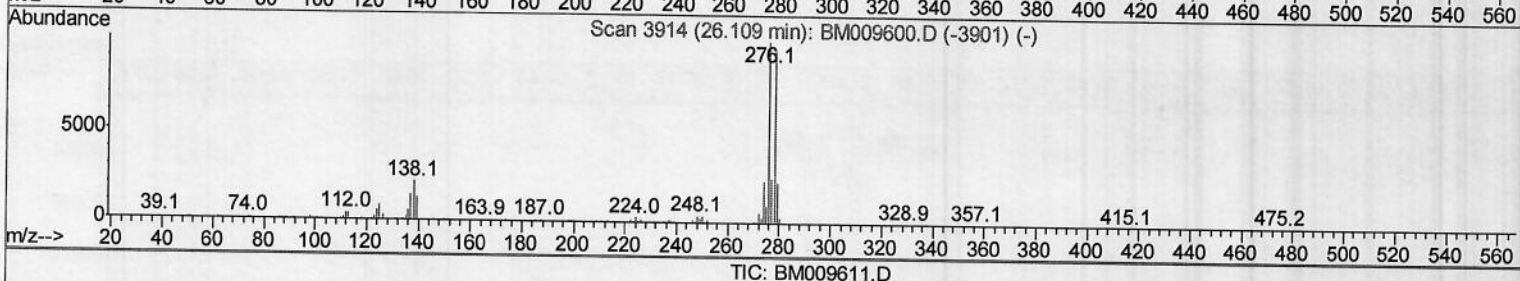
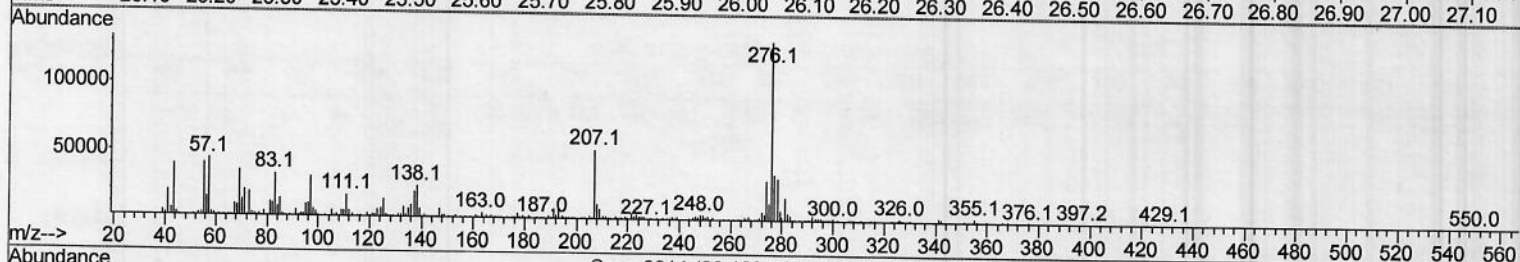
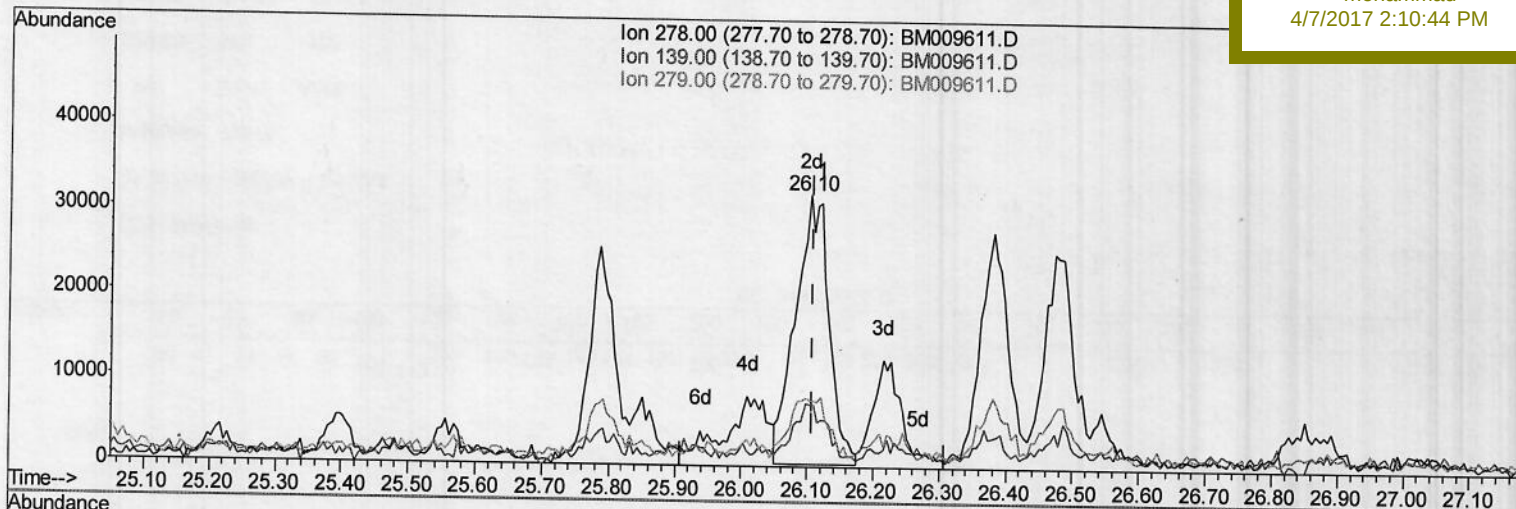
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009611.D
 Acq On : 07 Apr 2017 01:36
 Operator : SJ/MA
 Sample : I2525-09
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB352

Manual Integrations
 APPROVED

mohammad
 4/7/2017 2:10:44 PM

Quant Time: Apr 07 03:56:40 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 07 03:19:28 2017
 Response via : Initial Calibration



(29) Dibenzo(a,h)anthracene

26.103min (-0.006) 1.82ng/ul m

response 110333

Ion	Exp%	Act%
278.00	100	100
139.00	17.50	22.18#
279.00	25.80	23.64
0.00	0.00	0.00

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 04/10/2017

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009611.D
 Acq On : 07 Apr 2017 01:36
 Operator : SJ/MA
 Sample : I2525-09
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 Client Sampled :
 CB352

Quant Time: Apr 07 03:58:00 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 07 03:19:28 2017
 Response via : Initial Calibration

Manual Integrations
 APPROVED

mohammad
 4/7/2017 2:10:44 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	170425	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	668571	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	372981	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.24	188	855875m	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	1137995m	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	1084089	20.00	ng/ul	0.00

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System Monitoring Compounds

3) 2,4-Dichlorophenol-d3	10.25	165	228543	22.23	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	1083290	29.64	ng/ul	0.00
10) Fluorene-d10	15.48	176	761333	28.96	ng/ul	0.00
15) Anthracene-d10	17.33	188	1200822	29.33	ng/ul	0.00
19) Pyrene-d10	19.63	212	1454820	31.11	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.60	264	1463173	30.57	ng/ul	0.00

Target Compounds

						Qvalue
4) Naphthalene	10.69	128	45851	1.34	ng/ul#	93
14) Phenanthrene	17.28	178	562660m	11.69	ng/ul	
16) Anthracene	17.37	178	120242	2.42	ng/ul	99
17) Fluoranthene	19.29	202	1046684m	17.47	ng/ul	
20) Pyrene	19.66	202	950792	15.34	ng/ul	96
21) Benzo(a)anthracene	21.40	228	564492m	8.77	ng/ul	
22) Chrysene	21.45	228	531641	9.01	ng/ul	98
24) Benzo(b)fluoranthene	23.04	252	789598	11.78	ng/ul#	89
25) Benzo(k)fluoranthene	23.07	252	239520m	3.75	ng/ul	
27) Benzo(a)pyrene	23.64	252	534439	8.38	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	26.10	276	382212	5.35	ng/ul	94
29) Dibenzo(a,h)anthracene	26.10	278	110333m	1.82	ng/ul	
30) Benzo(a,h,i)perylene	26.83	276	365454	6.20	ng/ul#	90

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