

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
Data File : BM009601.D
Acq On : 06 Apr 2017 19:35
Operator : SJ/MA
Sample : I2525-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

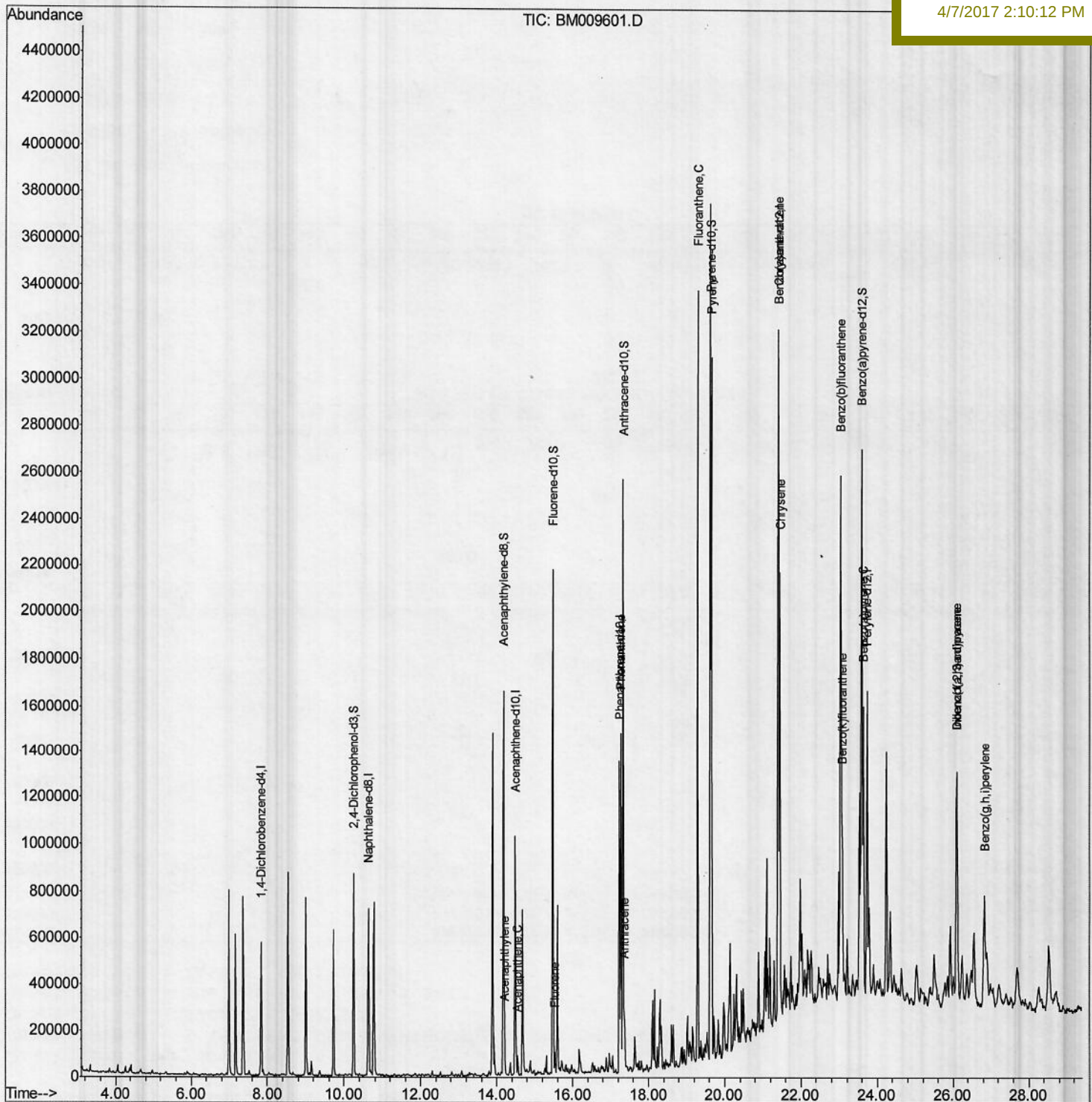
Quant Time: Apr 07 03:27:03 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 07 03:19:28 2017
Response via : Initial Calibration

Instrument :

BNA_M

Client Sampled :

CB370

Manual Integrations
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Quantitation Report (Qedit)

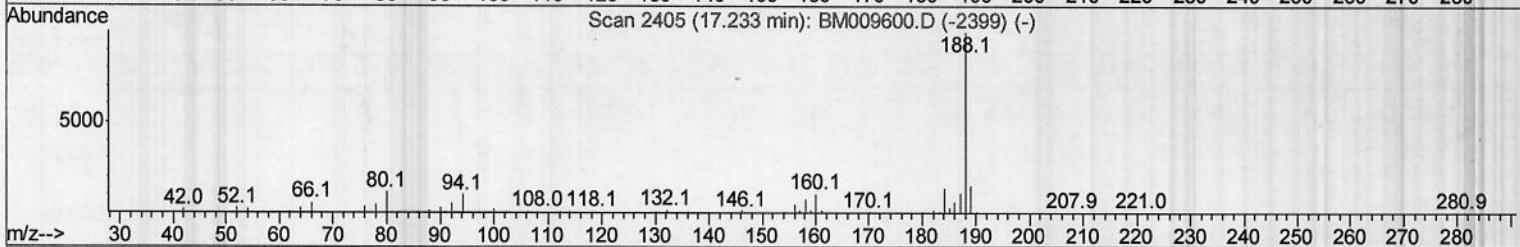
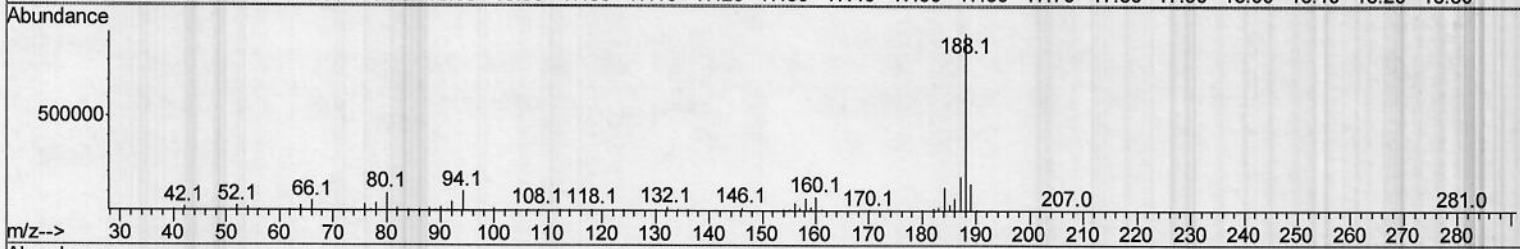
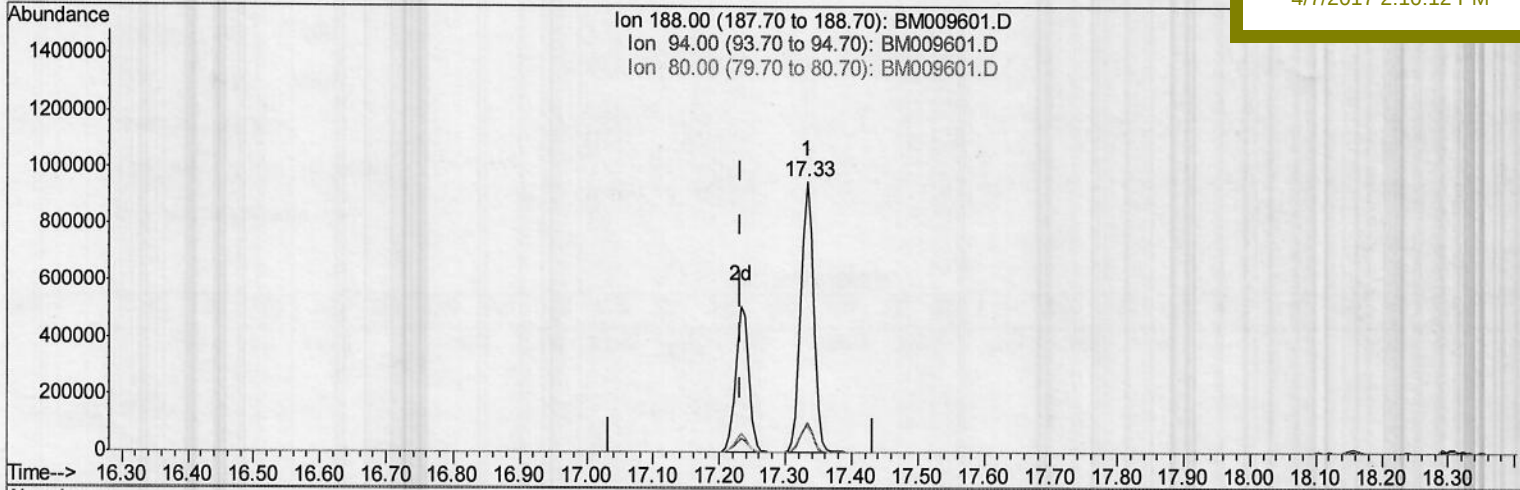
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009601.D
 Acq On : 06 Apr 2017 19:35
 Operator : SJ/MA
 Sample : I2525-20
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampleId :
 CB370

Quant Time: Apr 07 03:20:04 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: BM009601.D

(12) Phenanthrene-d10 (I)

17.333min (+0.100) 20.00ng/ul

response 1283250

Ion	Exp%	Act%
188.00	100	100
94.00	9.70	10.72
80.00	10.40	9.73
0.00	0.00	0.00

Quantitation Report (Qedit)

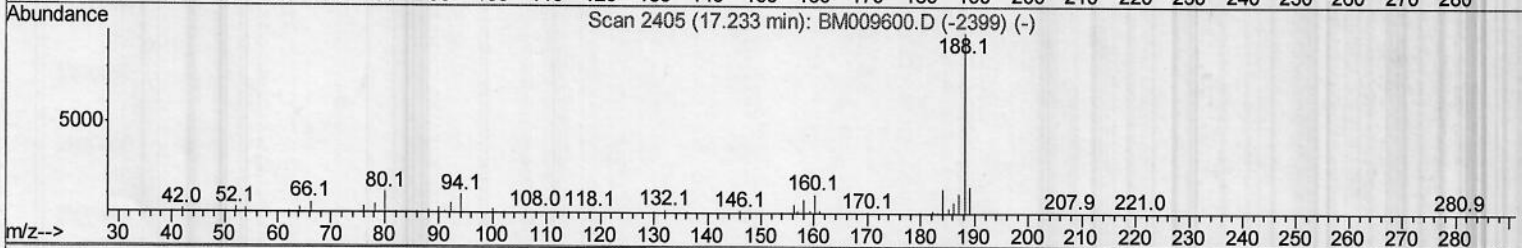
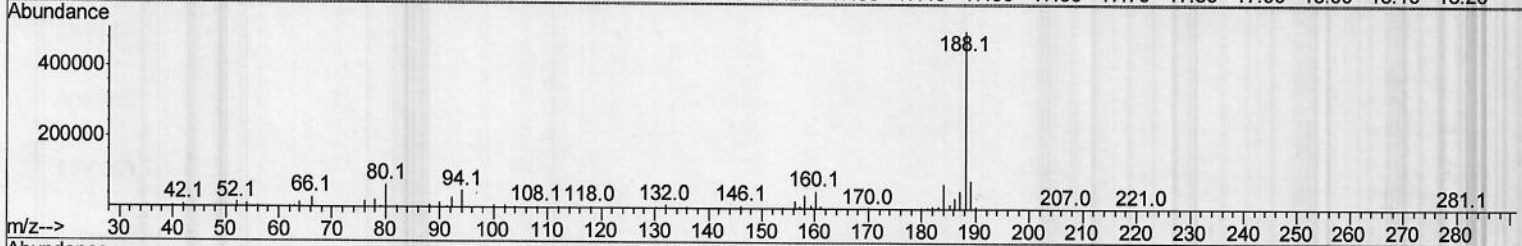
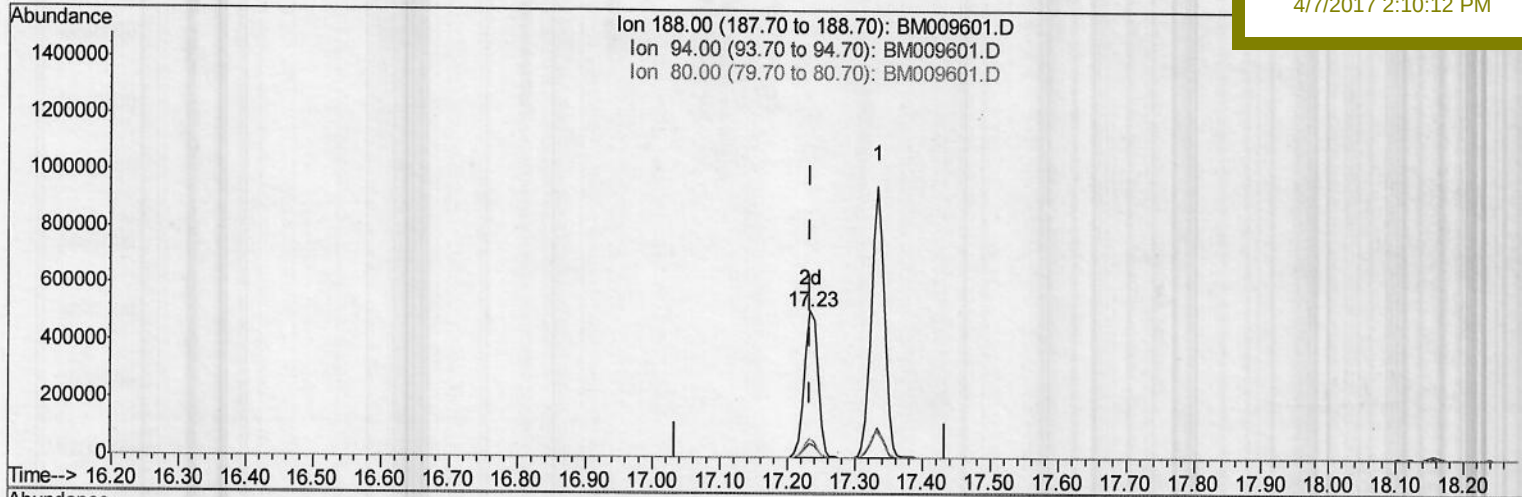
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
Data File : BM009601.D
Acq On : 06 Apr 2017 19:35
Operator : SJ/MA
Sample : I2525-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 07 03:20:04 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 :
CB370

Manual Integrations
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TIC: BM009601.D

(12) Phenanthrene-d10 (I)

17.233min (0.000) 20.00ng/ul m

response 715308

Ion	Exp%	Act%
188.00	100	100
94.00	9.70	9.34
80.00	10.40	12.60#
0.00	0.00	0.00

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Quantitation Report (Qedit)

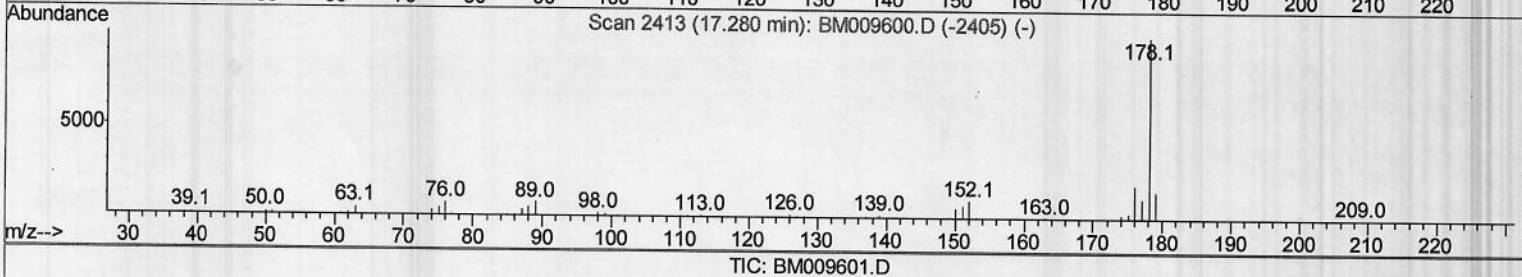
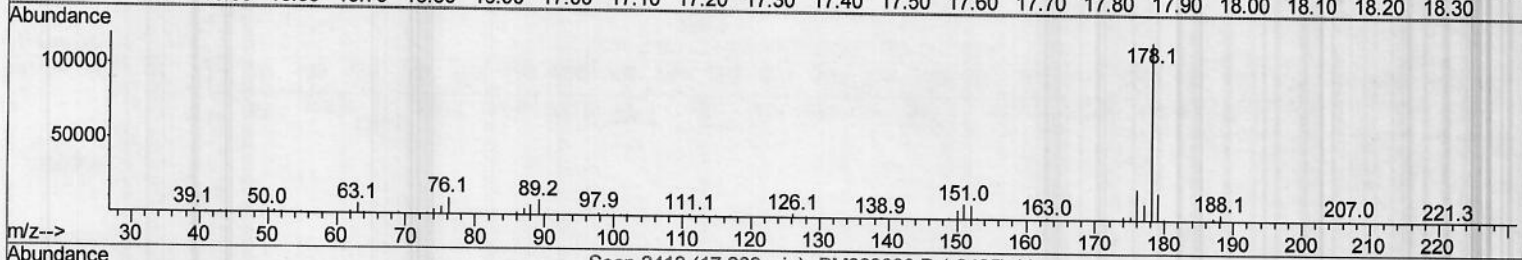
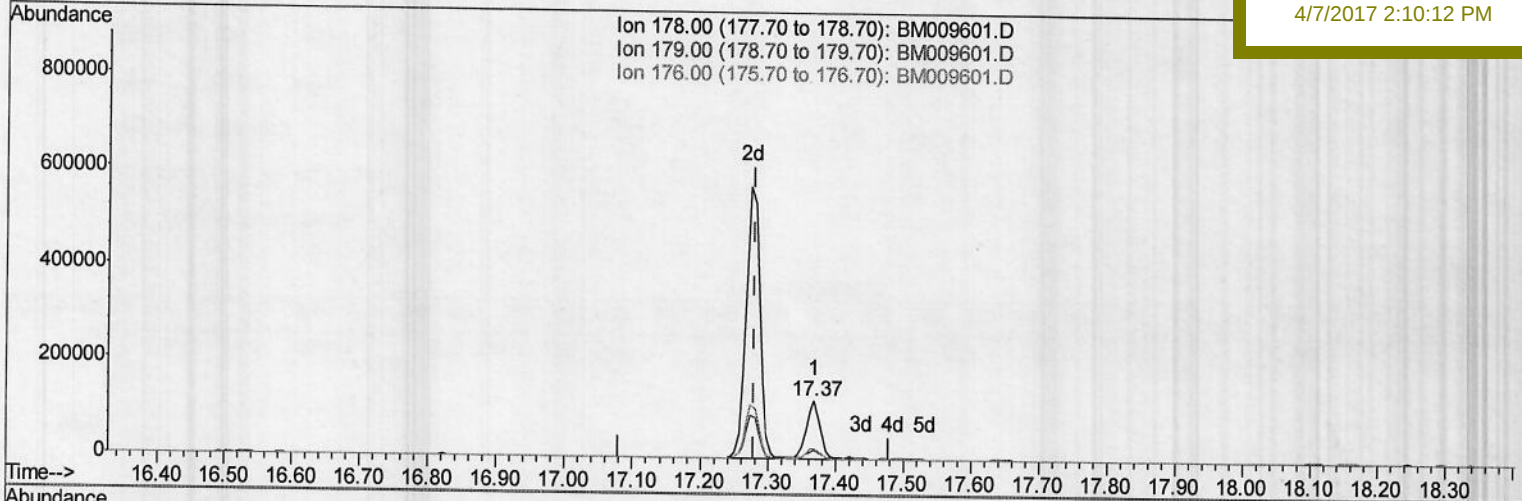
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009601.D
 Acq On : 06 Apr 2017 19:35
 Operator : SJ/MA
 Sample : I2525-20
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 07 03:25:02 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 :
 CB370

Manual Integrations
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(14) Phenanthrene

17.368min (+0.088) 4.07ng/ul

response 163682

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	15.24
176.00	20.50	17.53
0.00	0.00	0.00

Quantitation Report (Qedit)

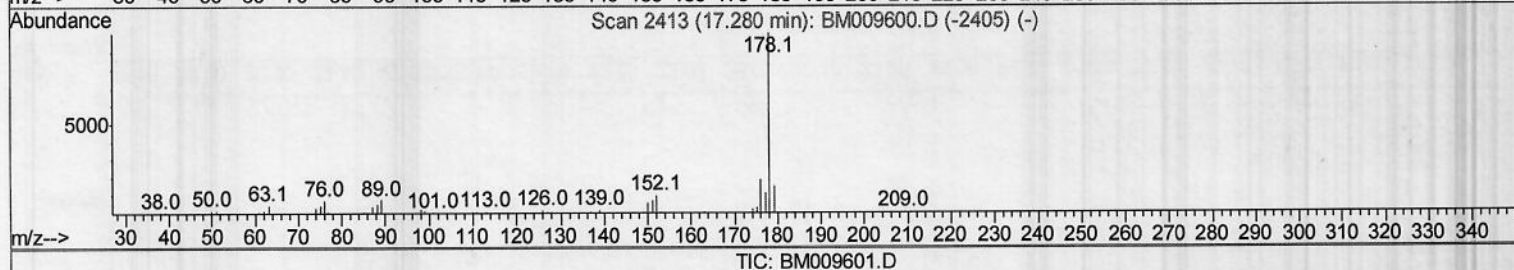
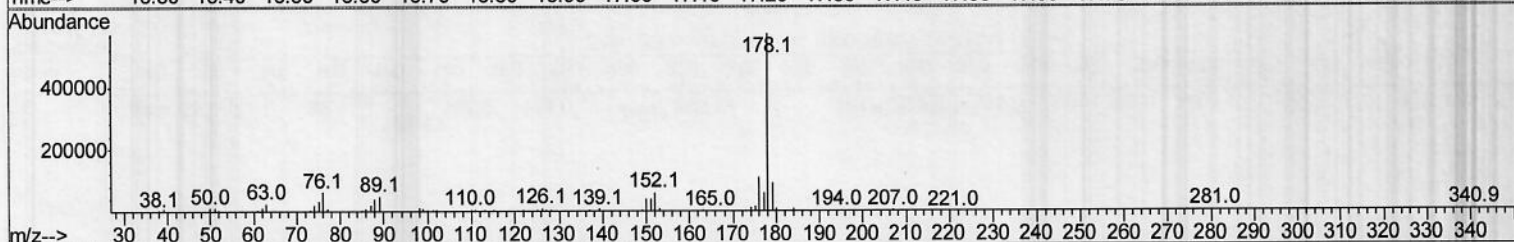
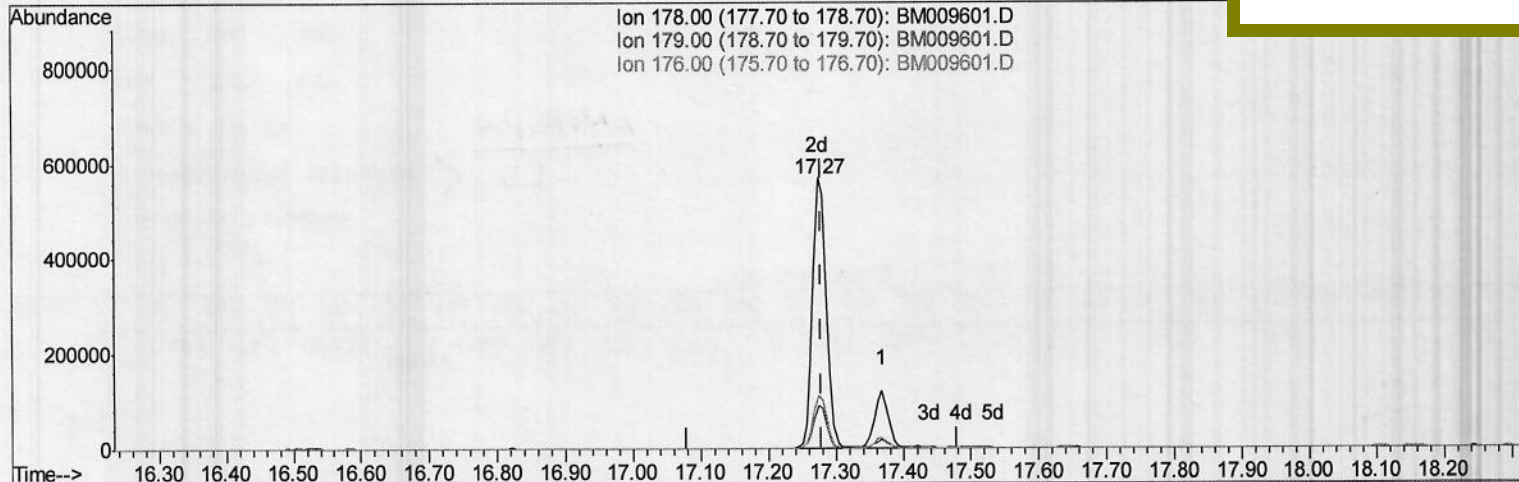
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009601.D
 Acq On : 06 Apr 2017 19:35
 Operator : SJ/MA
 Sample : I2525-20
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampleId :
 CB370

Quant Time: Apr 07 03:25:02 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: BM009601.D

(14) Phenanthrene

17.274min (-0.006) 19.98ng/ul m

response 803486

Ion Exp% Act%

178.00 100 100

179.00 15.30 15.51

176.00 20.50 19.33

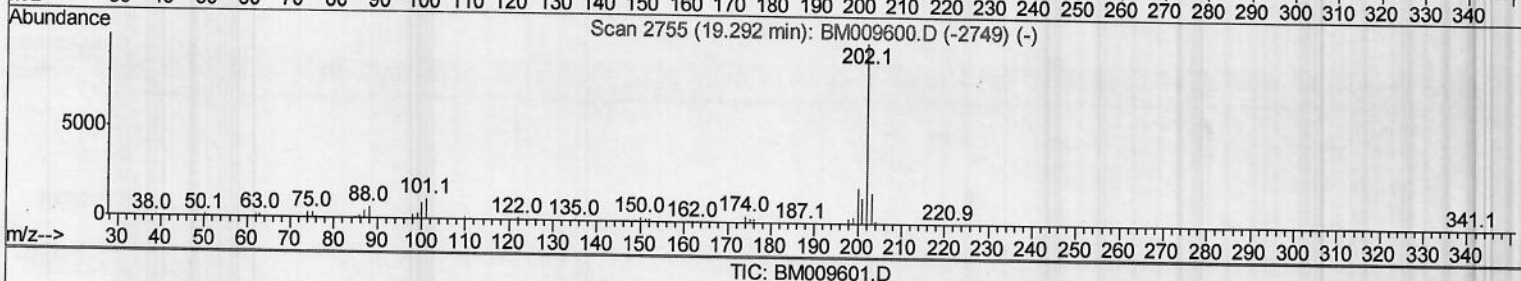
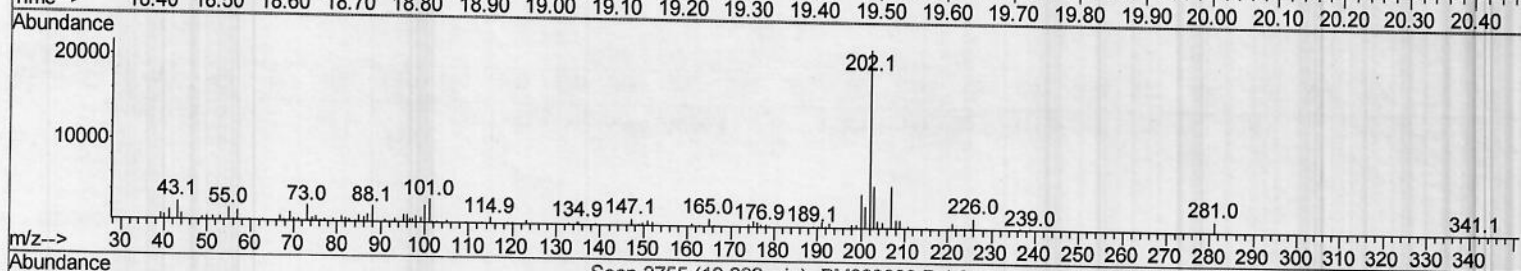
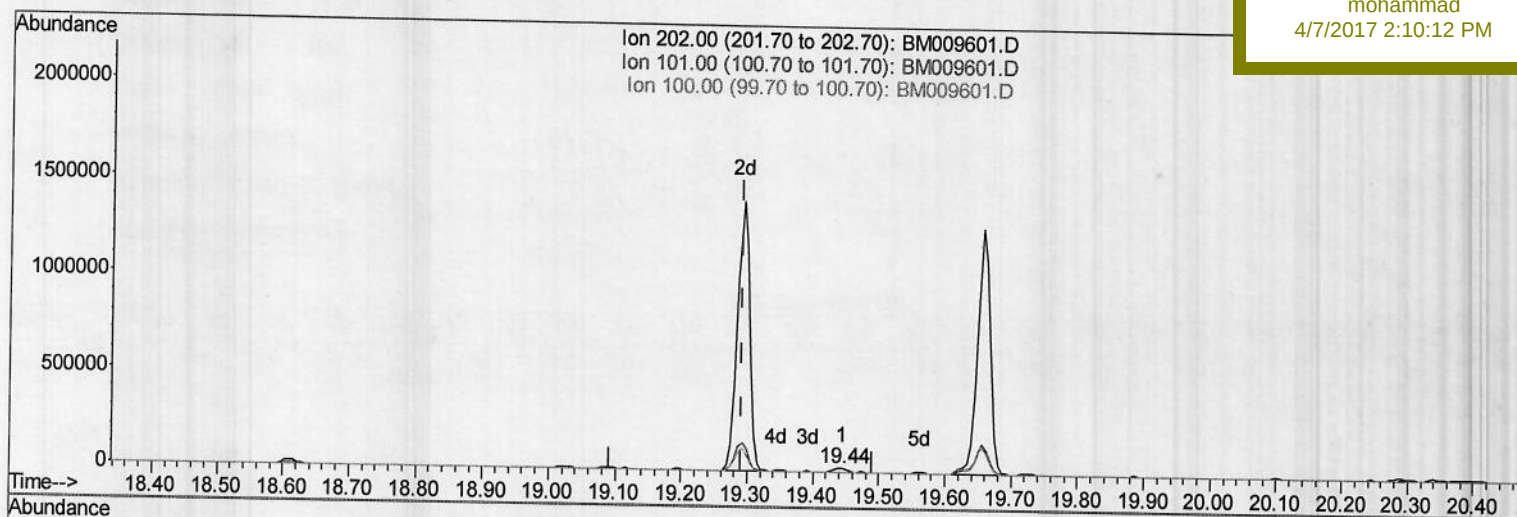
0.00 0.00 0.00

55
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Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
Data File : BM009601.D
Acq On : 06 Apr 2017 19:35
Operator : SJ/MA
Sample : I2525-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

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Quant Time: Apr 07 03:25:02 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



Ion	Exp%	Act%
202.00	100	100
101.00	12.30	14.08
100.00	9.40	10.86
0.00	0.00	0.00

Quantitation Report (Qedit)

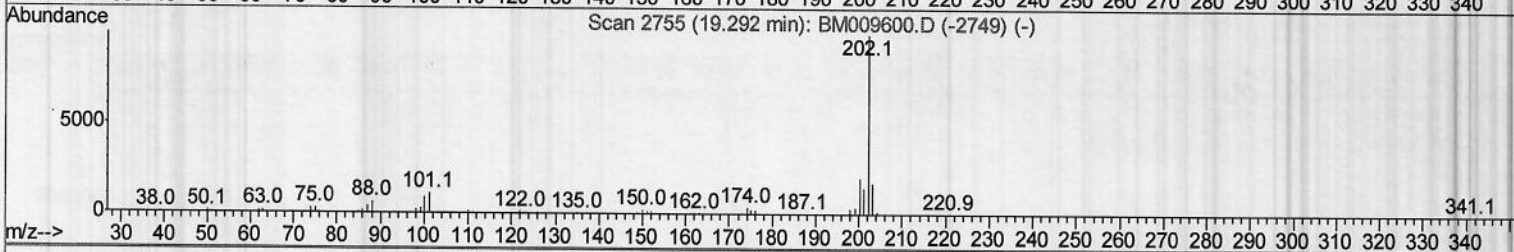
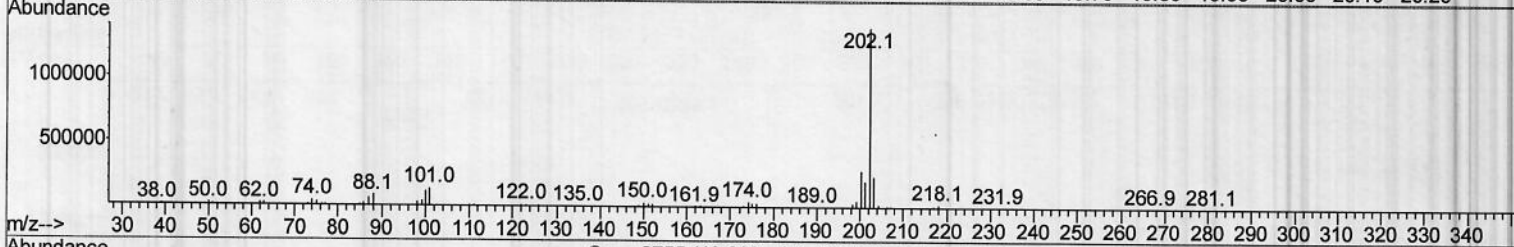
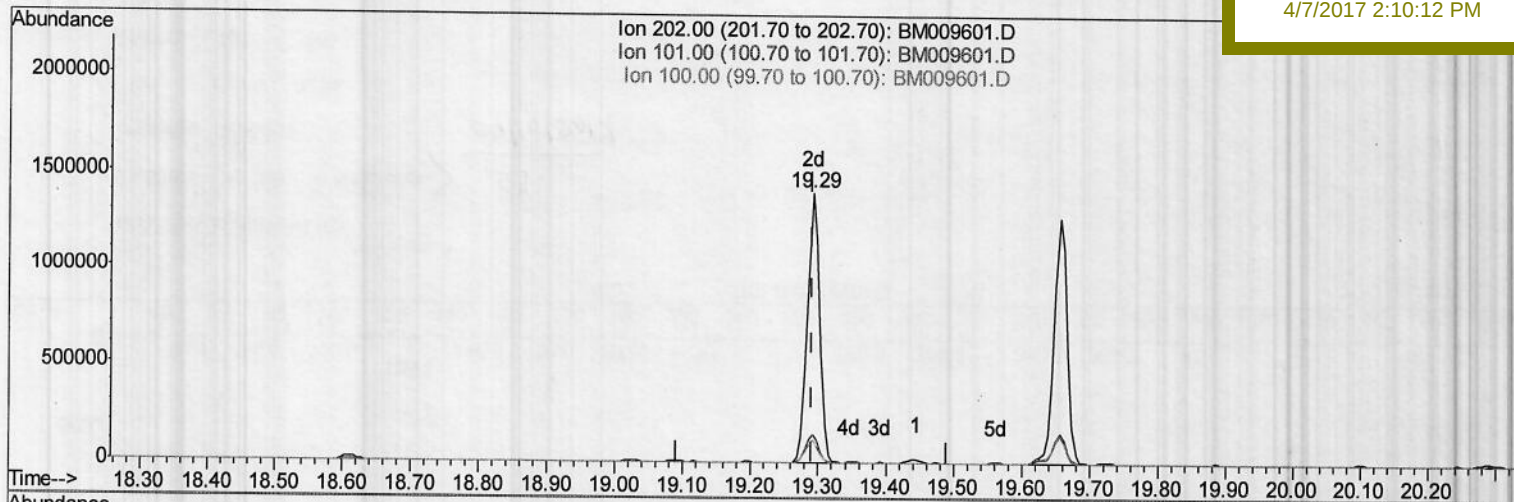
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009601.D
 Acq On : 06 Apr 2017 19:35
 Operator : SJ/MA
 Sample : I2525-20
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 07 03:25:02 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 :
 CB370

Manual Integrations
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TIC: BM009601.D

(17) Fluoranthene (C)

19.292min (+0.000) 35.06ng/ul m

response 1756105

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	9.94
100.00	9.40	8.27
0.00	0.00	0.00

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Quantitation Report (Qedit)

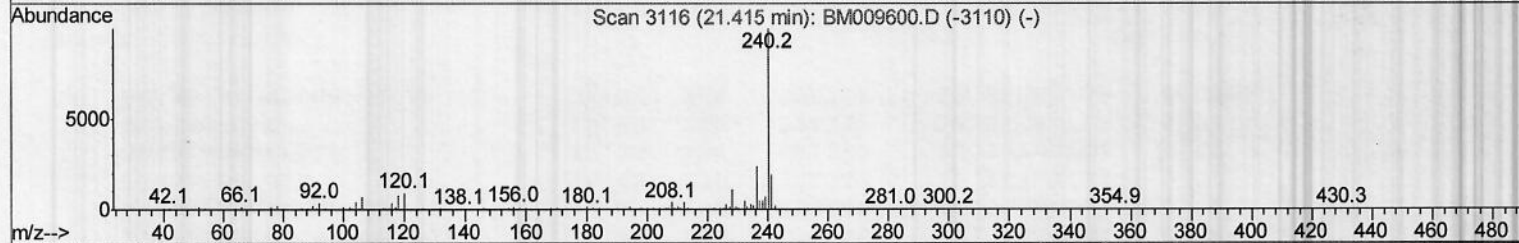
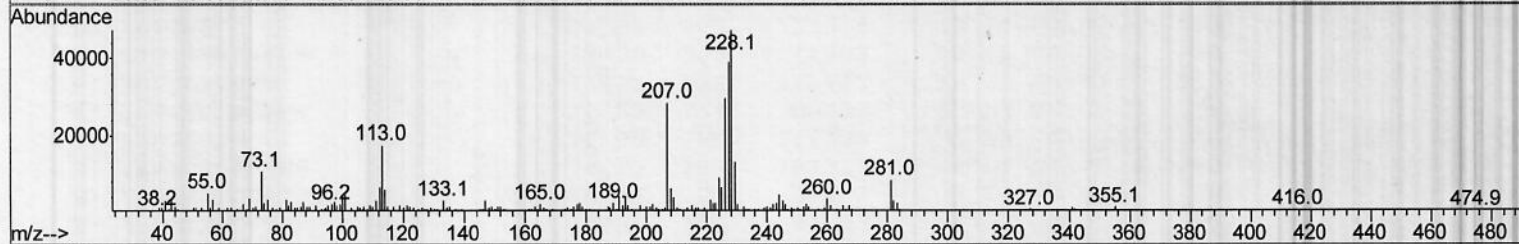
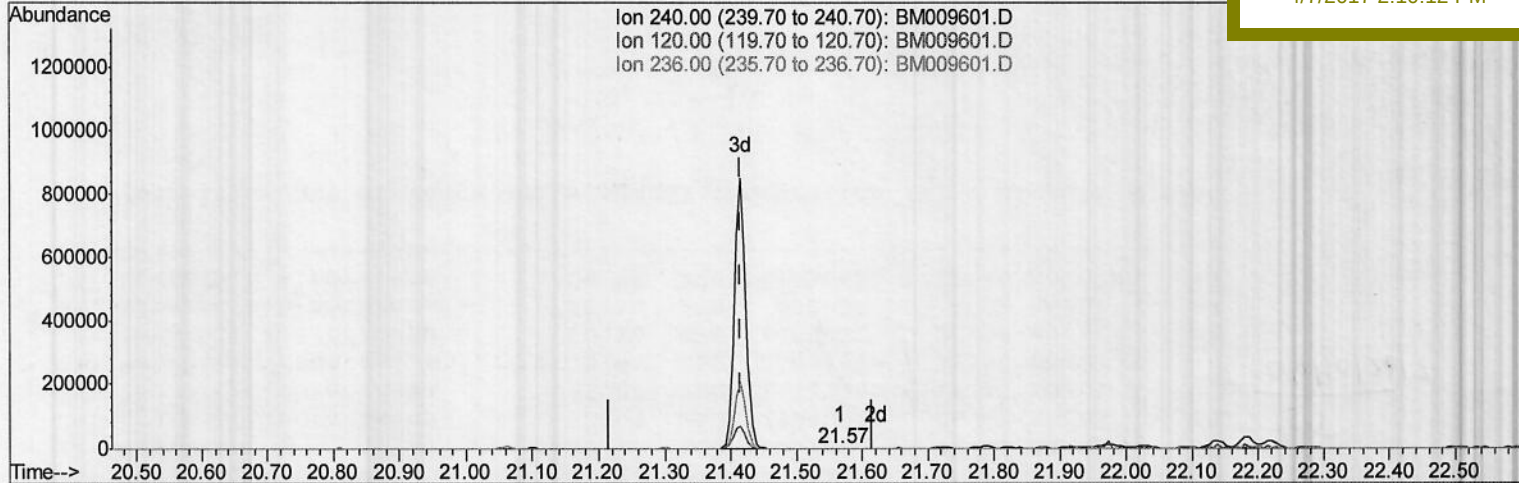
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009601.D
 Acq On : 06 Apr 2017 19:35
 Operator : SJ/MA
 Sample : I2525-20
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampleId :
 CB370

Quant Time: Apr 07 03:25:02 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: BM009601.D

(18) Chrysene-d12 (I)

21.568min (+0.153) 20.00ng/ul

response 1116

Ion	Exp%	Act%
240.00	100	100
120.00	11.80	67.57#
236.00	26.40	43.21#
0.00	0.00	0.00

Quantitation Report (Qedit)

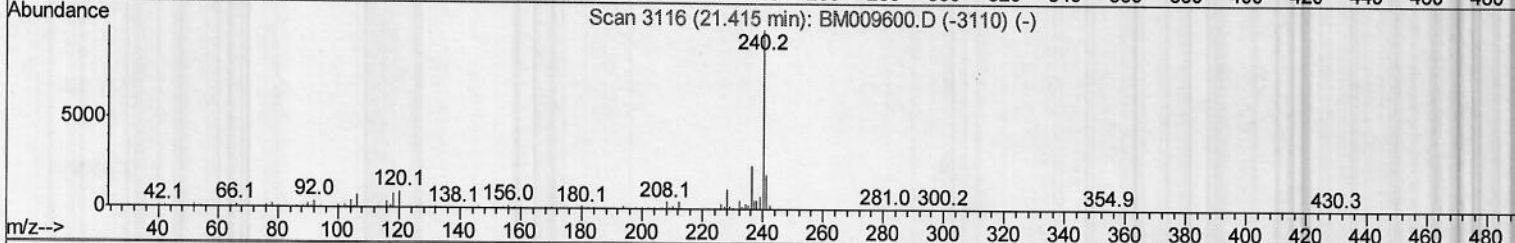
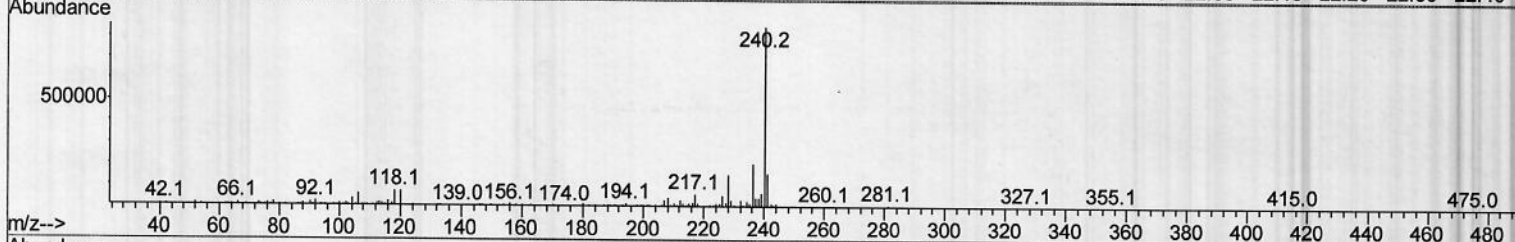
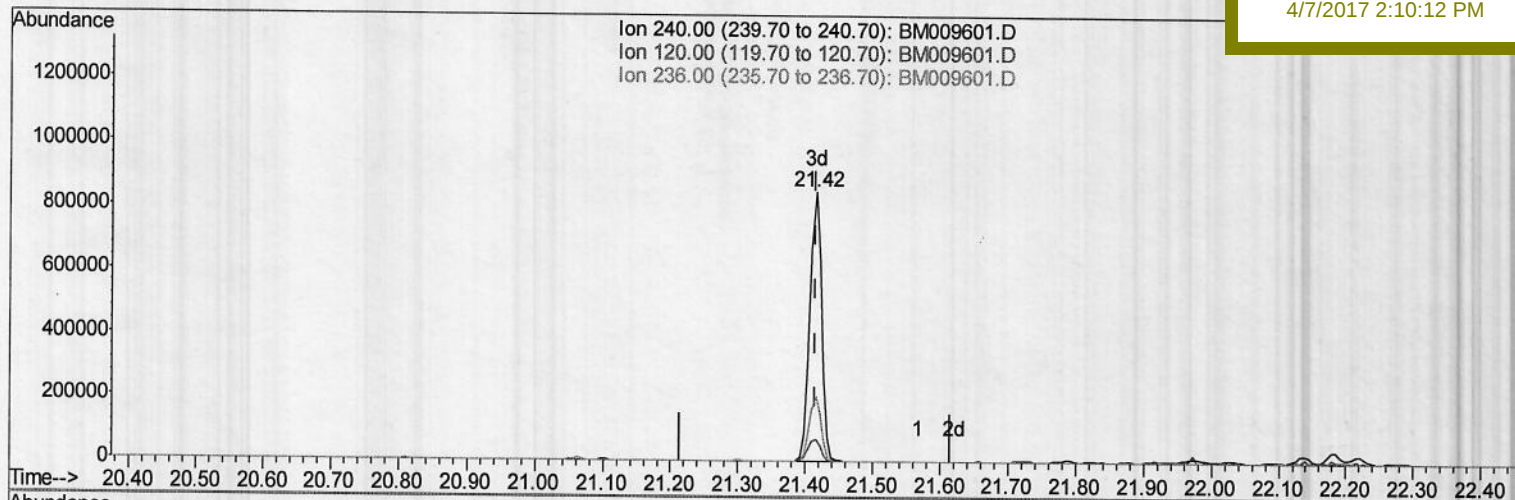
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009601.D
 Acq On : 06 Apr 2017 19:35
 Operator : SJ/MA
 Sample : I2525-20
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 07 03:25:02 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 :
 CB370

Manual Integrations
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TIC: BM009601.D

(18) Chrysene-d12 (I)

21.415min (0.000) 20.00ng/ul m

response 1027676

Ion	Exp%	Act%
240.00	100	100
120.00	11.80	8.20#
236.00	26.40	23.98
0.00	0.00	0.00

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Quantitation Report (Qedit)

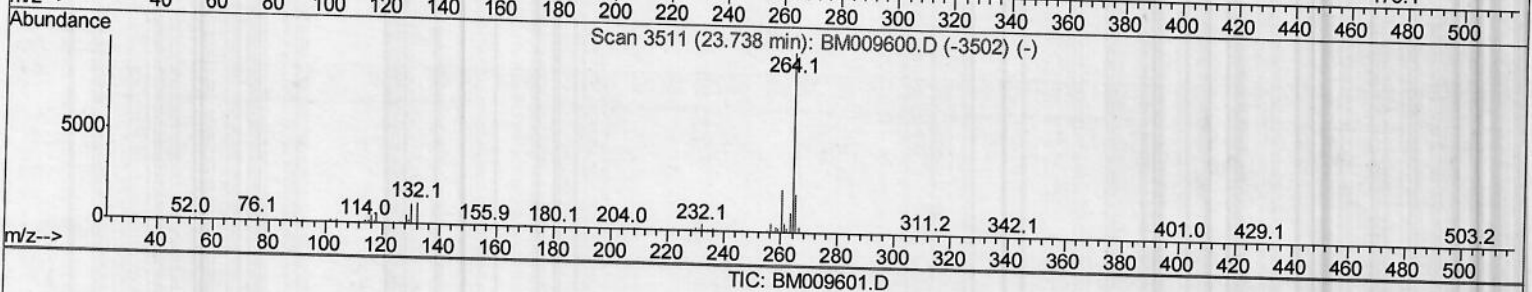
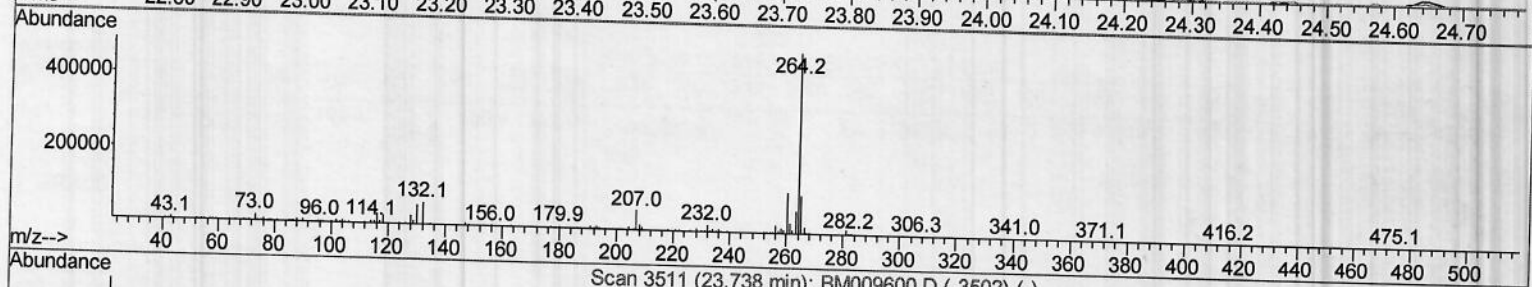
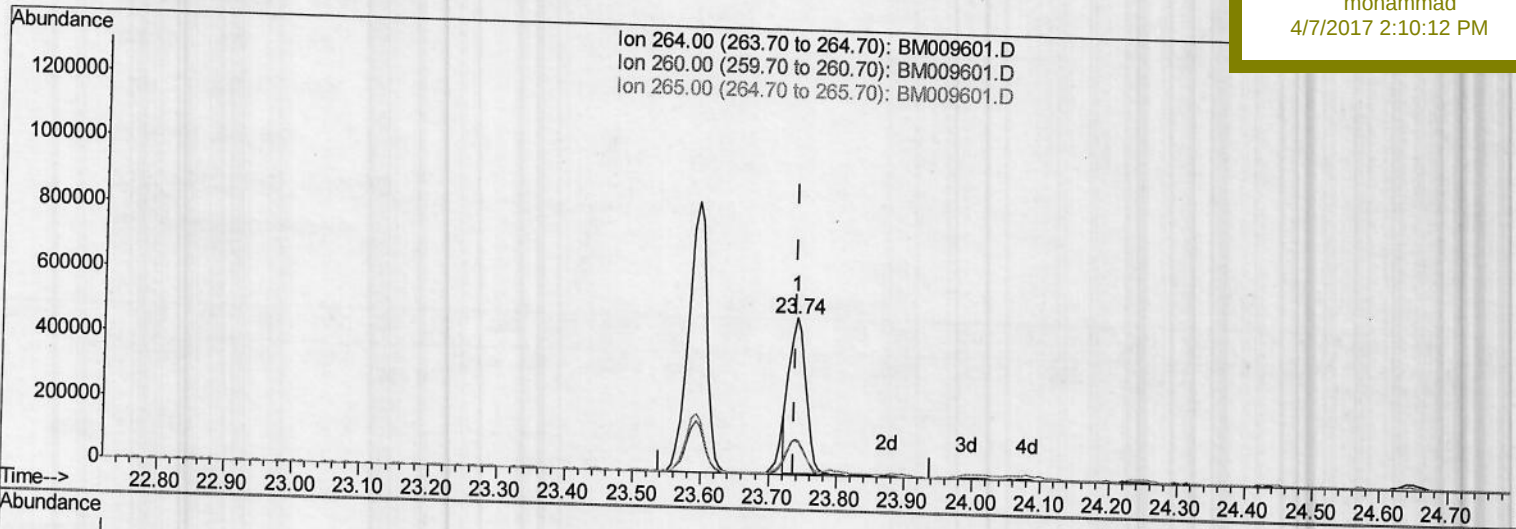
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009601.D
 Acq On : 06 Apr 2017 19:35
 Operator : SJ/MA
 Sample : I2525-20
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB370

Manual Integrations
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Quant Time: Apr 07 03:25:02 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: BM009601.D

(23) Perylene-d12 (I)

23.738min (0.000) 20.00ng/ul

response 836957

Ion	Exp%	Act%
264.00	100	100
260.00	25.10	22.81
265.00	22.00	21.48
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
Data File : BM009601.D
Acq On : 06 Apr 2017 19:35
Operator : SJ/MA
Sample : I2525-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

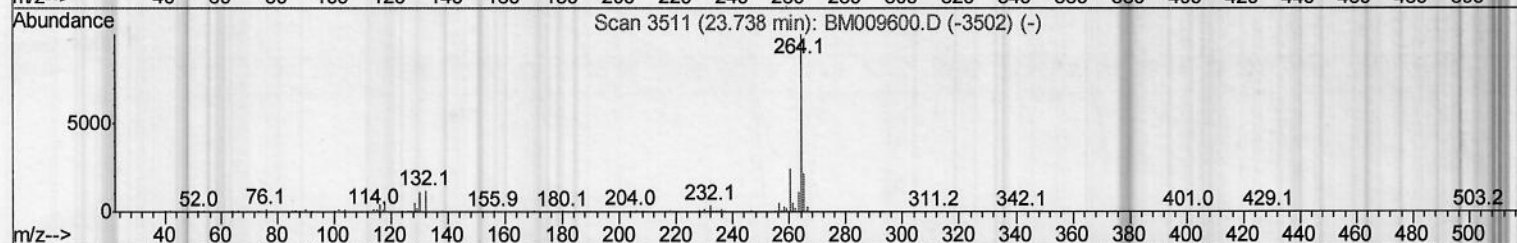
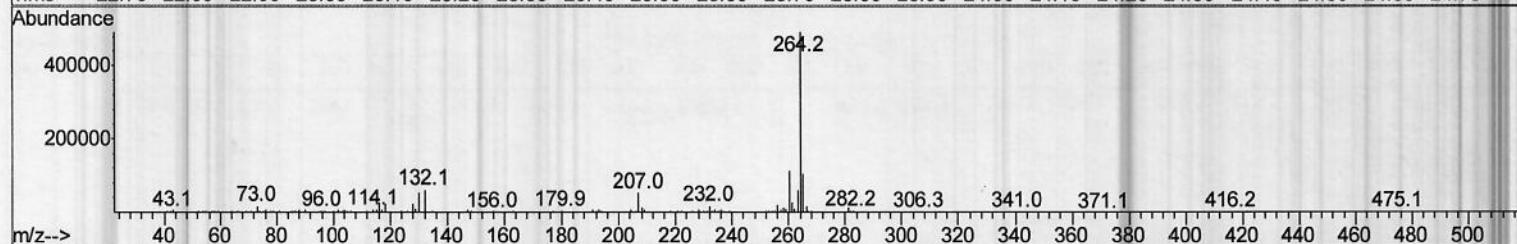
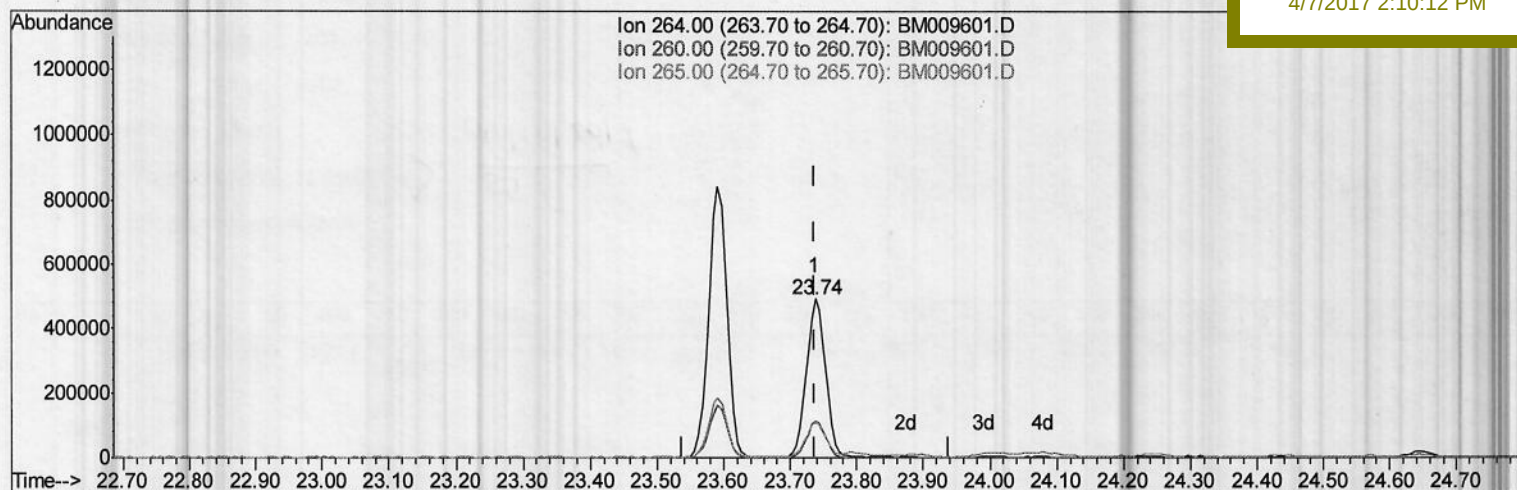
Quant Time: Apr 07 03:25:02 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 07 03:19:28 2017
Response via : Initial Calibration

Instrument :

BNA_M

ClientSampleId :

CB370

Manual Integrations
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TIC: BM009601.D

(23) Perylene-d12 (I)

23.738min (0.000) 20.00ng/ul m

response 974461

Ion	Exp%	Act%
264.00	100	100
260.00	25.10	22.81
265.00	22.00	21.48
0.00	0.00	0.00

35
04/10/2017

Quantitation Report (Qedit)

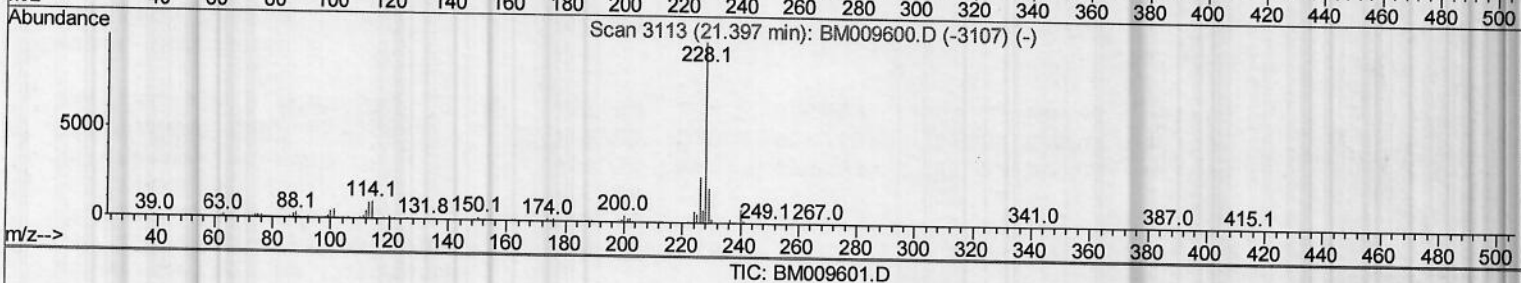
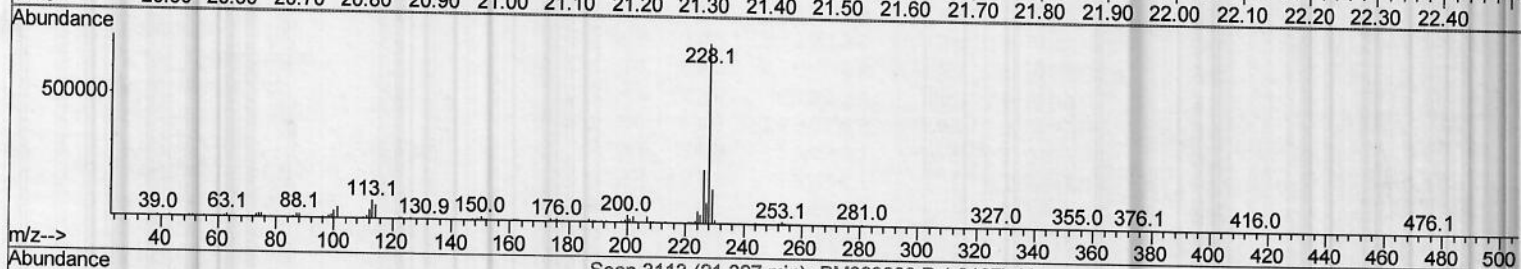
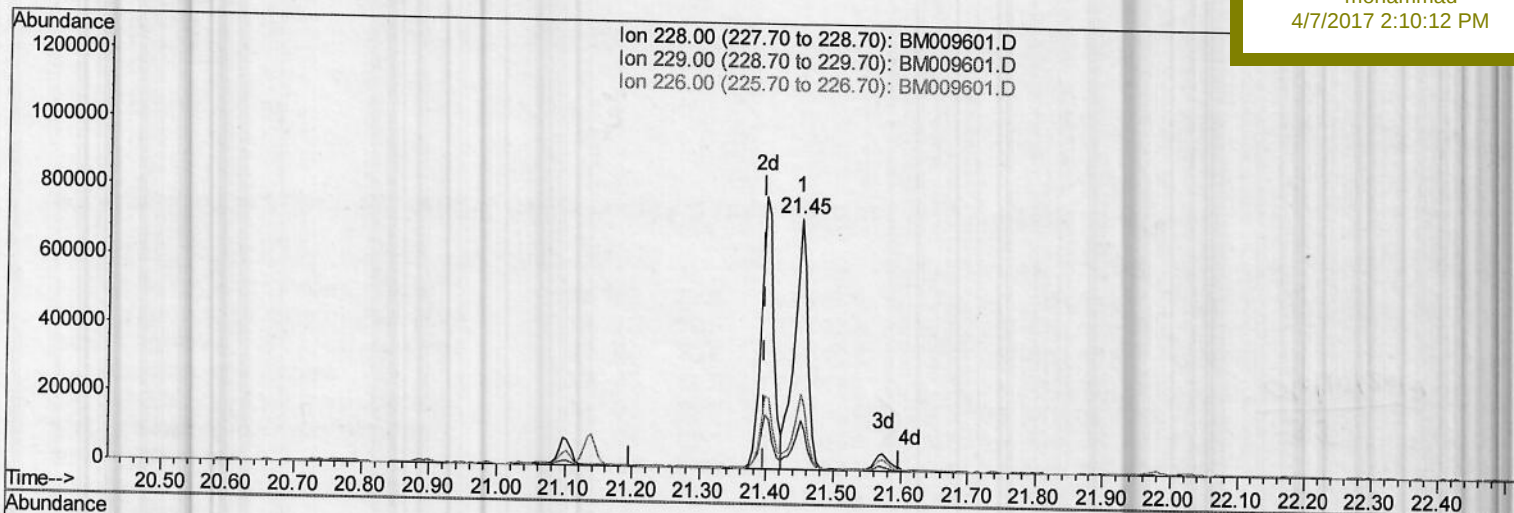
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009601.D
 Acq On : 06 Apr 2017 19:35
 Operator : SJ/MA
 Sample : I2525-20
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 07 03:26:13 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 :
 CB370

Manual Integrations
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(21) Benzo(a)anthracene

21.450min (+0.053) 17.36ng/ul

response 1008621

Ion	Exp%	Act%
228.00	100	100
229.00	19.90	19.58
226.00	27.60	29.91
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009601.D
 Acq On : 06 Apr 2017 19:35
 Operator : SJ/MA
 Sample : I2525-20
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

CB370

Quant Time: Apr 07 03:26:13 2017

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

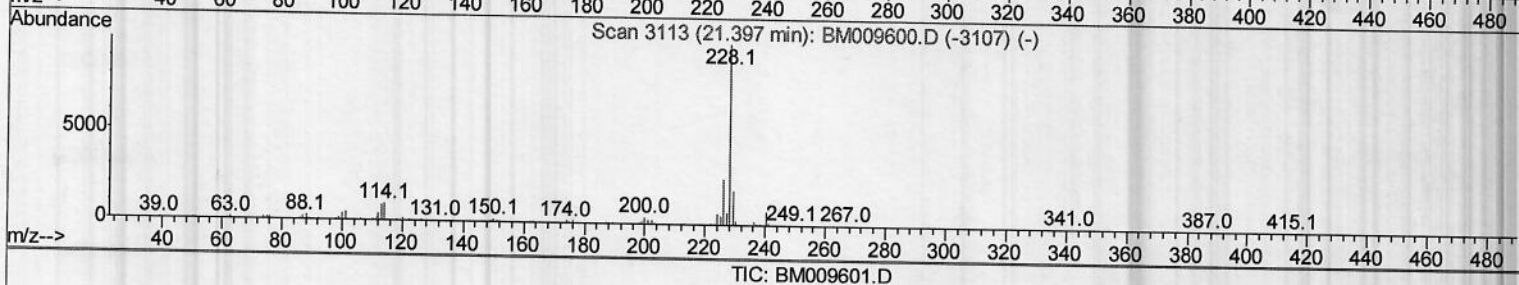
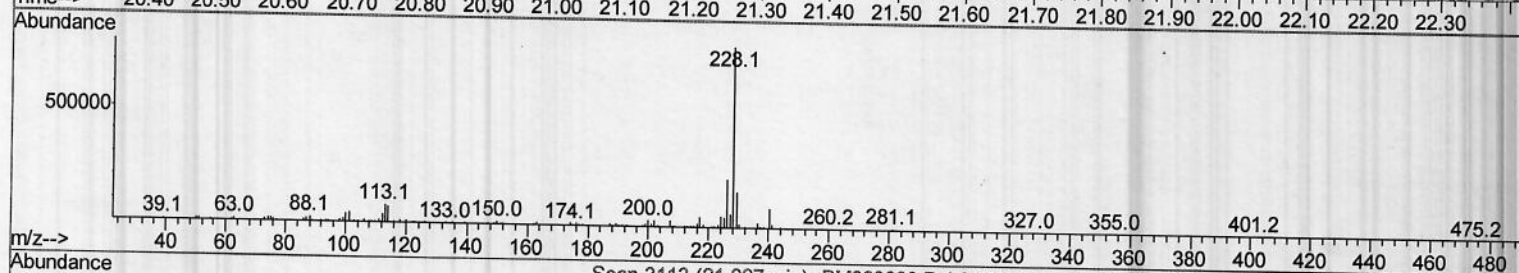
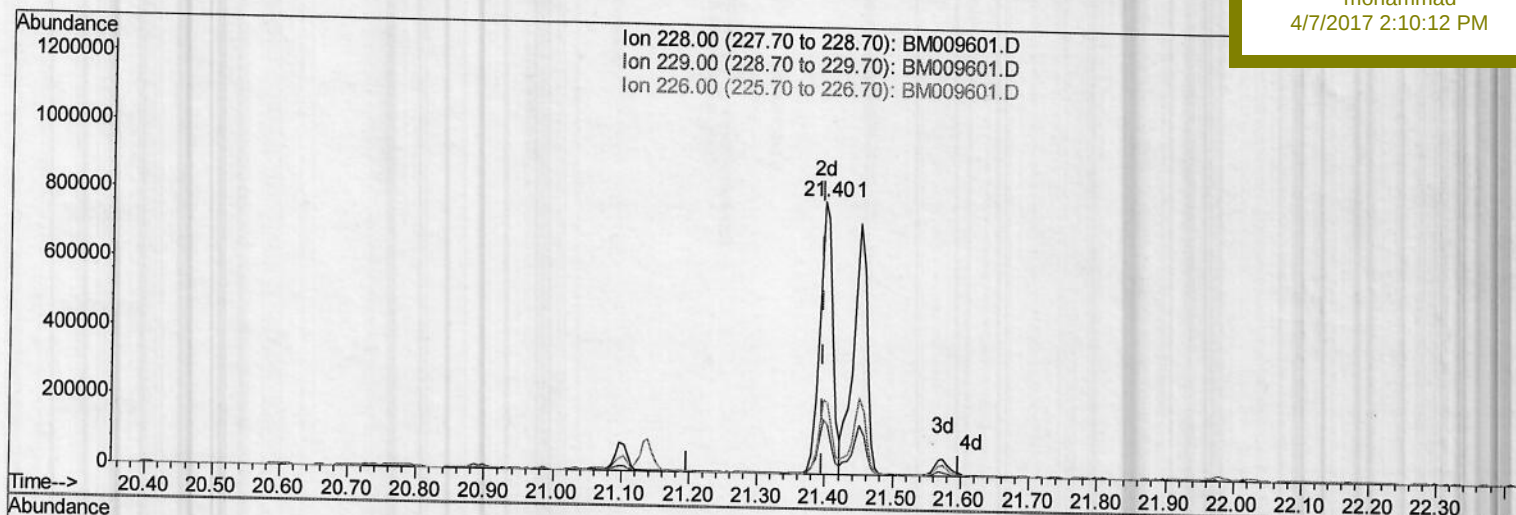
Quant Title : SVOA CALIBRATION

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

Response via : Initial Calibration

Manual Integrations
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(21) Benzo(a)anthracene

21.397min (0.000) 17.99ng/ul m

response 1045353

Ion Exp% Act%

228.00	100	100
229.00	19.90	20.23
226.00	27.60	26.84
0.00	0.00	0.00

Quantitation Report (Qedit)

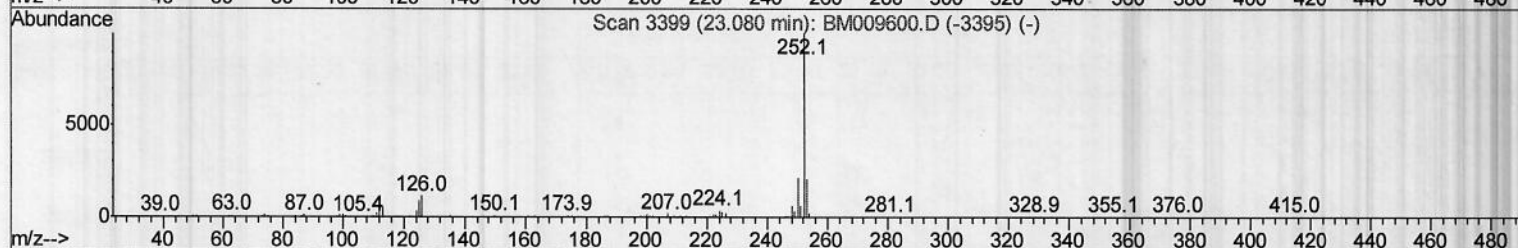
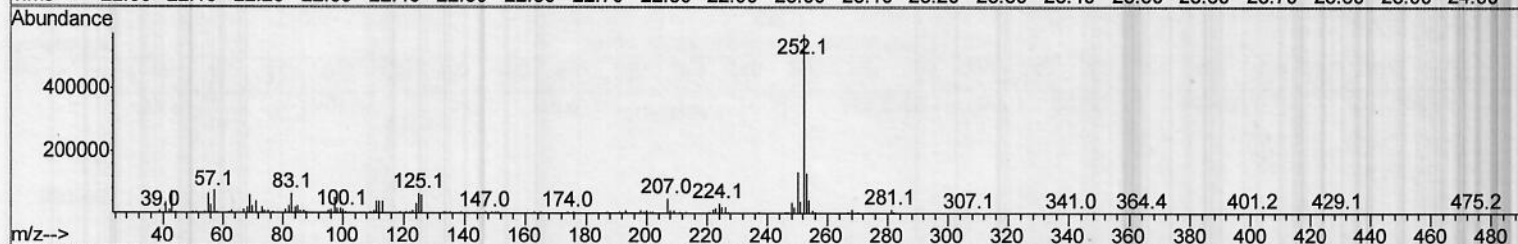
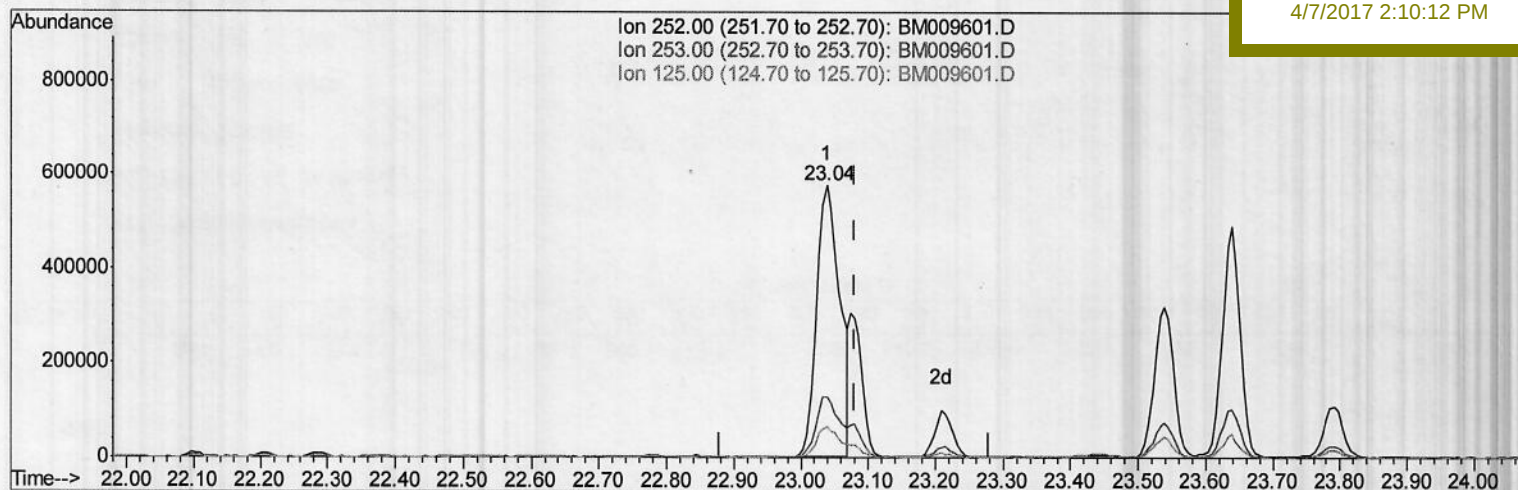
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009601.D
 Acq On : 06 Apr 2017 19:35
 Operator : SJ/MA
 Sample : I2525-20
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 07 03:26:13 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 :
 CB370

Manual Integrations
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TIC: BM009601.D

(25) Benzo(k)fluoranthene

23.038min (-0.041) 23.79ng/ul

response 1366141

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	22.38
125.00	11.00	11.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009601.D
 Acq On : 06 Apr 2017 19:35
 Operator : SJ/MA
 Sample : I2525-20
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

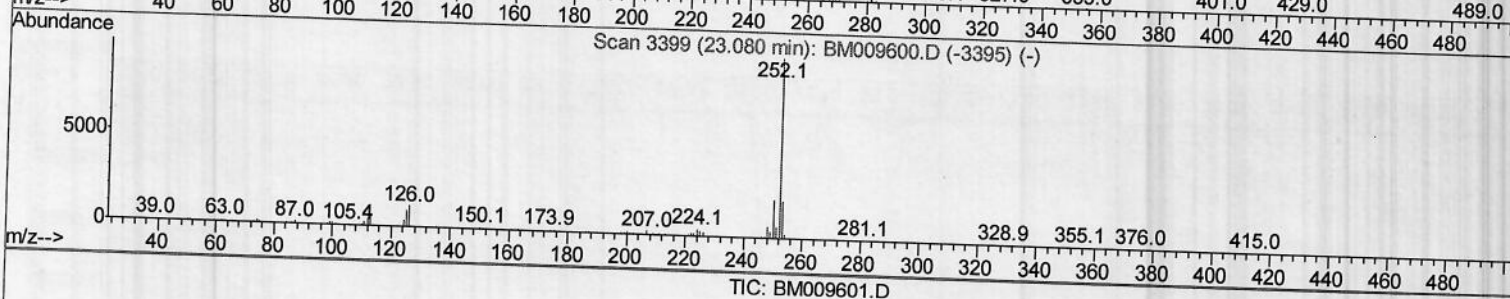
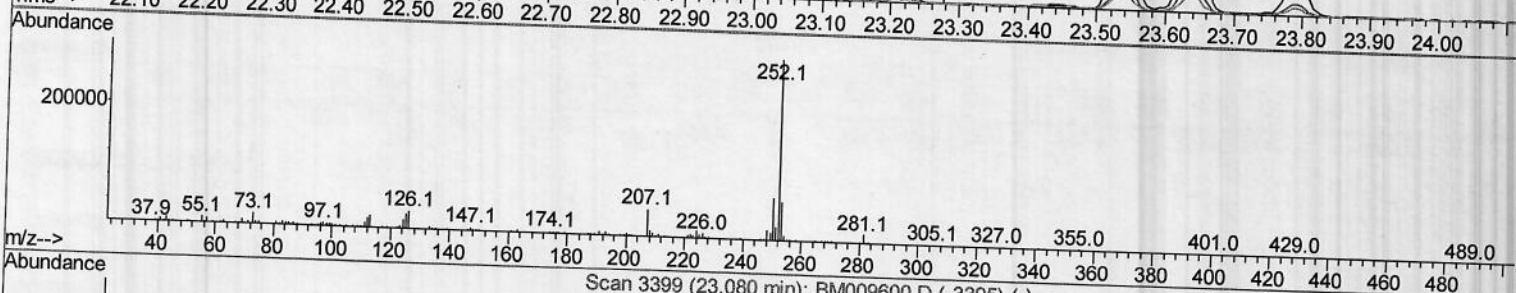
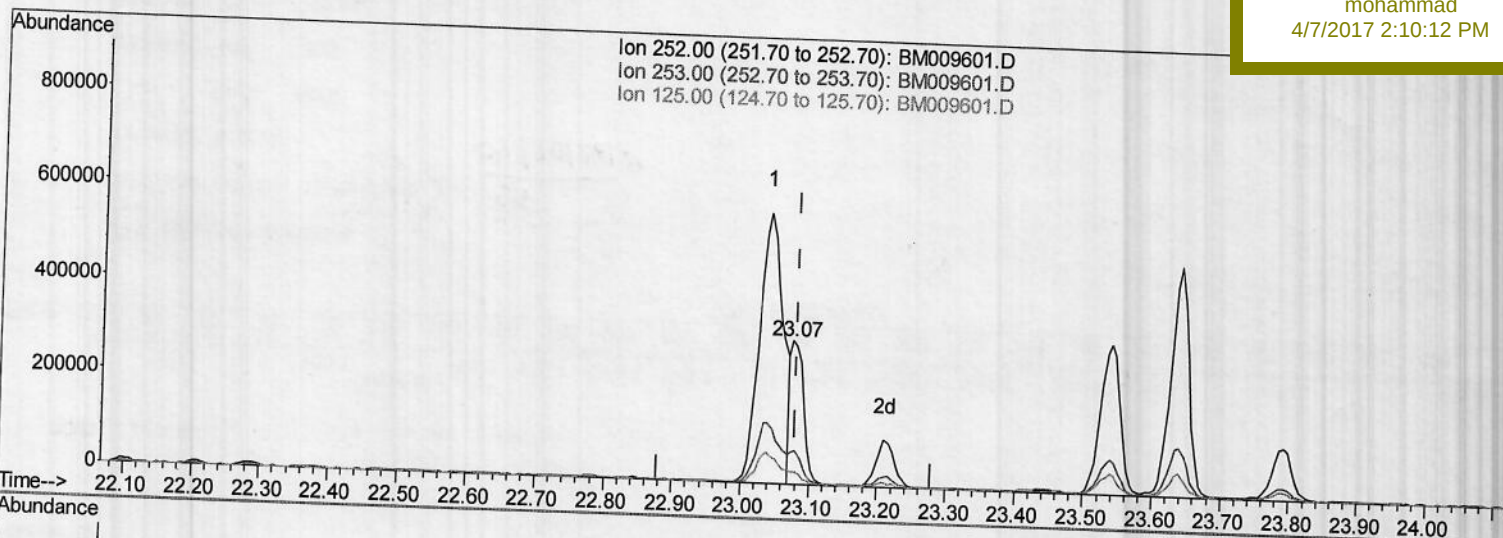
CB370

Manual Integrations
 APPROVED

mohammad

4/7/2017 2:10:12 PM

Quant Time: Apr 07 03:26:13 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



(25) Benzo(k)fluoranthene

23.074min (-0.006) 7.00ng/ul m

response 401991

Ion Exp% Act%

252.00 100 100

253.00 21.80 21.97

125.00 11.00 8.53#

0.00 0.00 0.00

SJ
 04/10/2017

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009601.D
 Acq On : 06 Apr 2017 19:35
 Operator : SJ/MA
 Sample : I2525-20
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB370

Quant Time: Apr 07 03:27:03 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	133080	20.00	ng/ul	0.00
2) Naphthalene-d8	10.63	136	519129	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	305082	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	715308m	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	1027676m	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	974461m	20.00	ng/ul	0.00

Svstem Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.25	165	271443	34.01	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	1091478	36.50	ng/ul	0.00
10) Fluorene-d10	15.48	176	782528	36.39	ng/ul	0.00
15) Anthracene-d10	17.33	188	1283853	37.51	ng/ul	0.00
19) Pyrene-d10	19.63	212	1573310	37.25	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.59	264	1599406	37.17	ng/ul	0.00

Target Compounds						Ovalue
8) Acenaphthylene	14.21	152	48872	1.63	ng/ul	97
9) Acenaphthene	14.55	153	30776	1.49	ng/ul	87
11) Fluorene	15.53	166	35487	1.41	ng/ul	93
14) Phenanthrene	17.27	178	803486m	19.98	ng/ul	
16) Anthracene	17.37	178	160091	3.85	ng/ul	97
17) Fluoranthene	19.29	202	1756105m	35.06	ng/ul	
20) Pyrene	19.66	202	1665493	29.76	ng/ul	96
21) Benzo(a)anthracene	21.40	228	1045353m	17.99	ng/ul	
22) Chrysene	21.45	228	1007105	18.91	ng/ul	97
24) Benzo(b)fluoranthene	23.04	252	1366141	22.67	ng/ul	99
25) Benzo(k)fluoranthene	23.07	252	401991m	7.00	ng/ul	
27) Benzo(a)pyrene	23.64	252	892577	15.58	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	26.10	276	636948	9.92	ng/ul	95
29) Dibenzo(a,h)anthracene	26.10	278	179106	3.28	ng/ul#	78
30) Benzo(a,h,i)perylene	26.83	276	572581	10.81	ng/ul#	94

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

SJ
 04/10/2017

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