

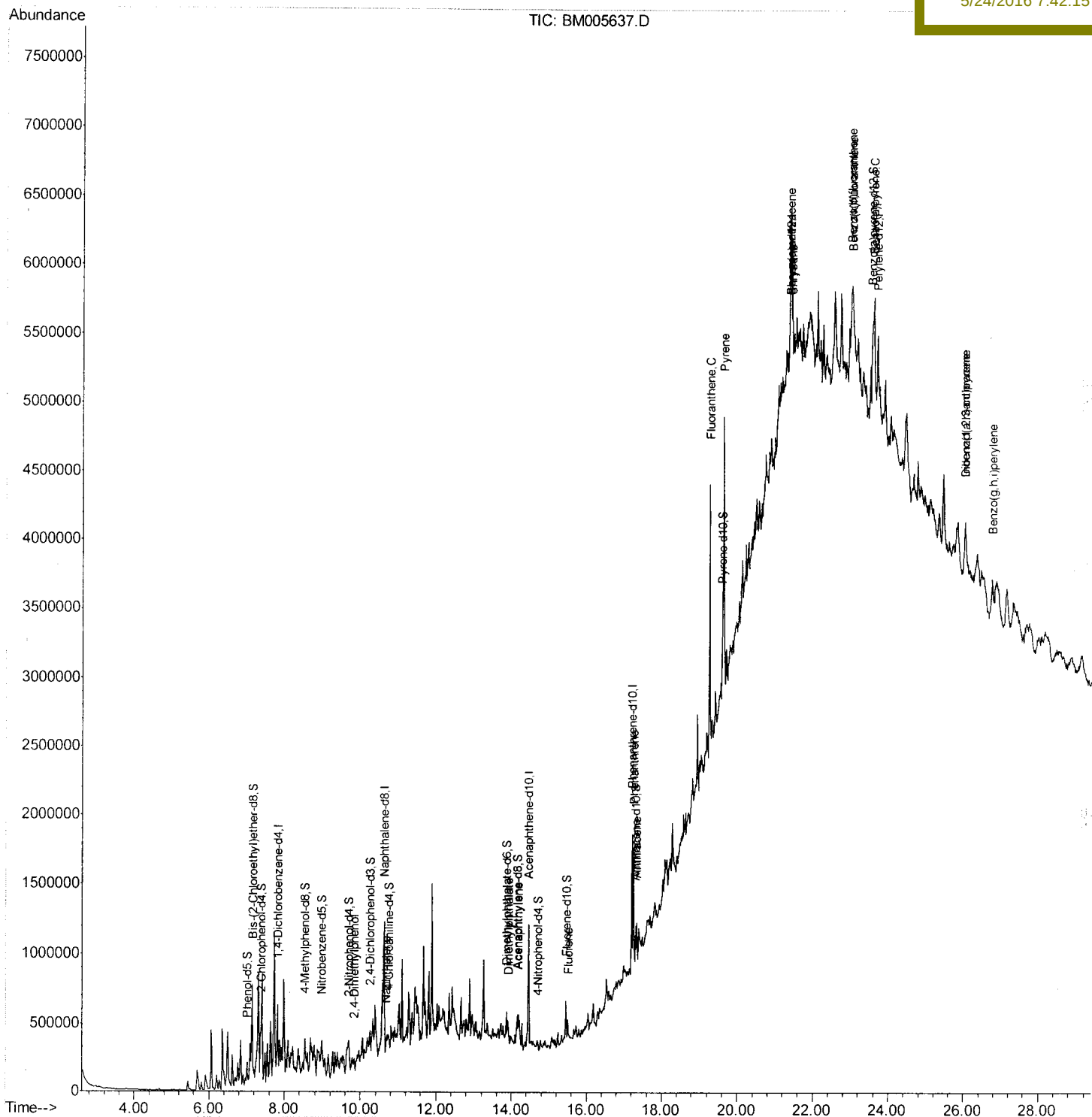
Data Path : Z:\HPCHEM1\BNA M\Data\BM052316\
Data File : BM005637.D
Acq On : 24 May 2016 08:32
Operator : UM/SJ
Sample : H3087-16DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 24 14:13:10 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 24 06:55:29 2016
Response via : Initial Calibration

Instrument :
BNA_M
Client Sample ID :
JHKG9DL

Manual Integrations
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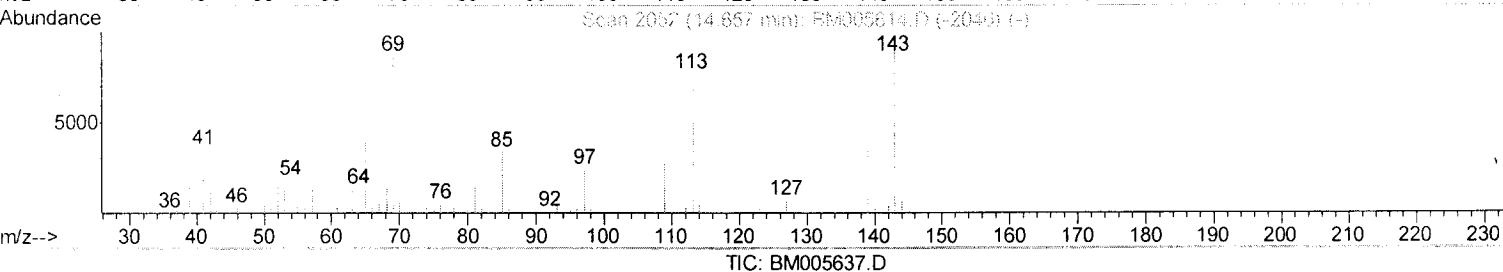
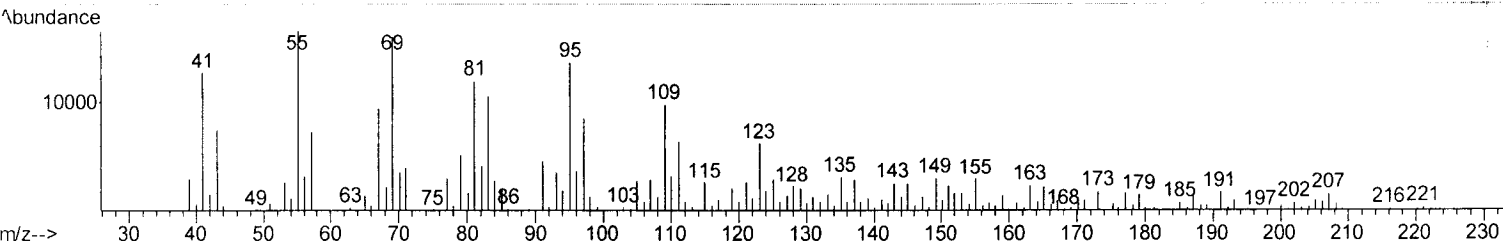
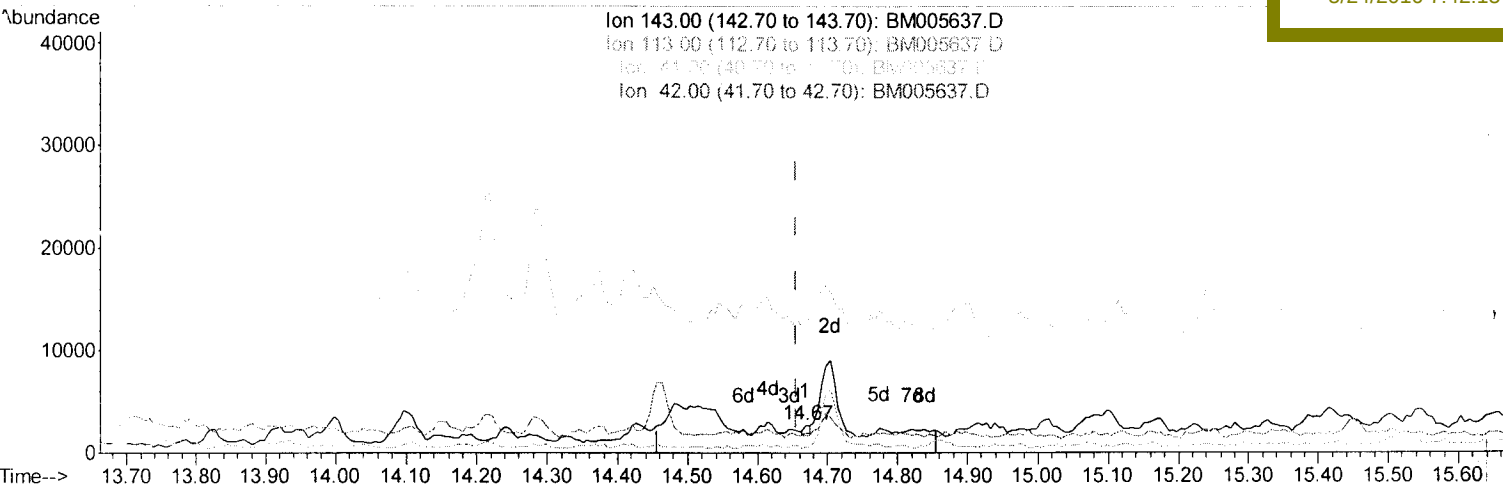
Data Path : Z:\HPCHEM1\BNA M\Data\BM052316\
Data File : BM005637.D
Acq On : 24 May 2016 08:32
Operator : UM/SJ
Sample : H3087-16DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHGK9DL

Quant Time: May 24 14:08:59 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 24 06:55:29 2016
Response via : Initial Calibration

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(51) 4-Nitrophenol-d4 (S)

14.668min (+0.012) 0.13ng/ul

response 566

Ion	Exp%	Act%
143.00	100	100
113.00	90.60	24.34#
41.00	41.30	462.44#
42.00	25.90	64.36#

Quantitation Report (Qedit)

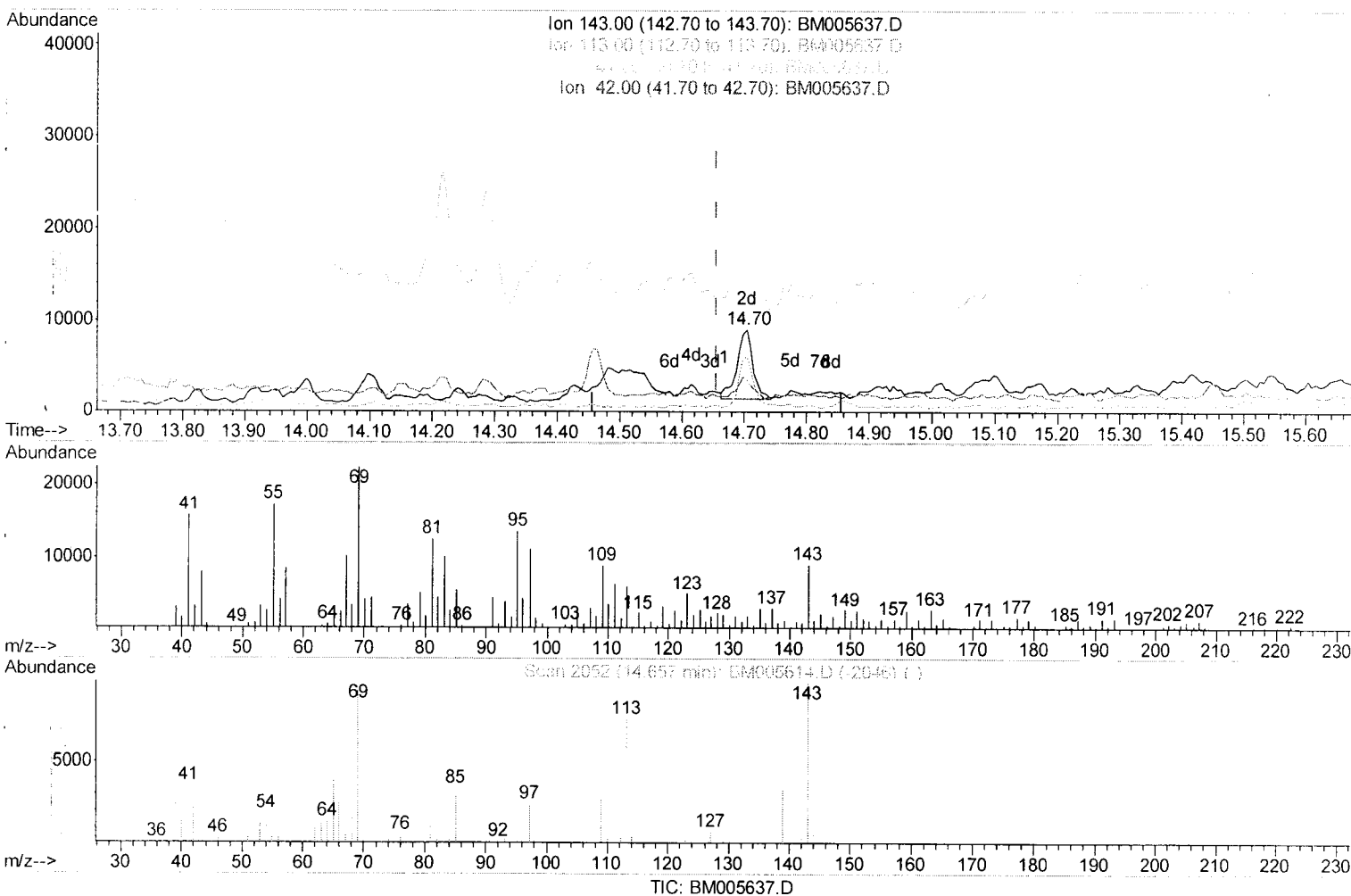
Data Path : Z:\HPCHEM1\BNA M\Data\BM052316\
 Data File : BM005637.D
 Acq On : 24 May 2016 08:32
 Operator : UM/SJ
 Sample : H3087-16DL 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGK9DL

Manual Integrations
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Quant Time: May 24 14:08:59 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM052016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 24 06:55:29 2016
 Response via : Initial Calibration



(51) 4-Nitrophenol-d4 (S)

14.704min (+0.047) 3.01ng/ul m

response 13541

Ion	Exp%	Act%
143.00	100	100
113.00	90.60	67.17#
41.00	41.30	173.49#
42.00	25.90	36.71#

0.0.0.
 05195116

Quantitation Report (Qedit)

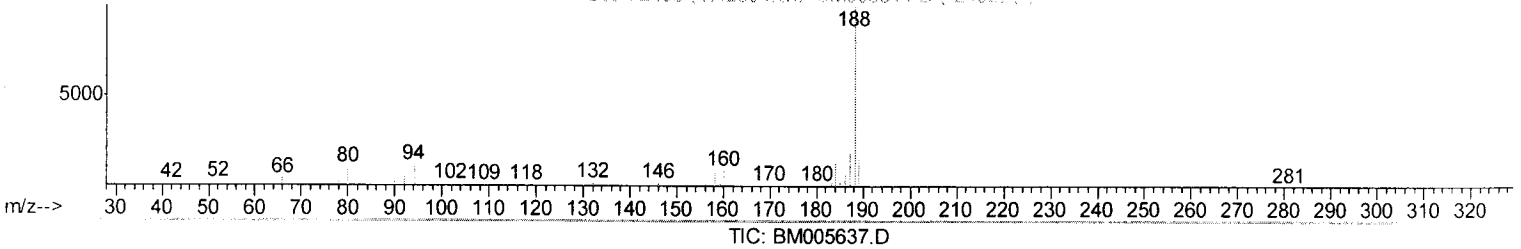
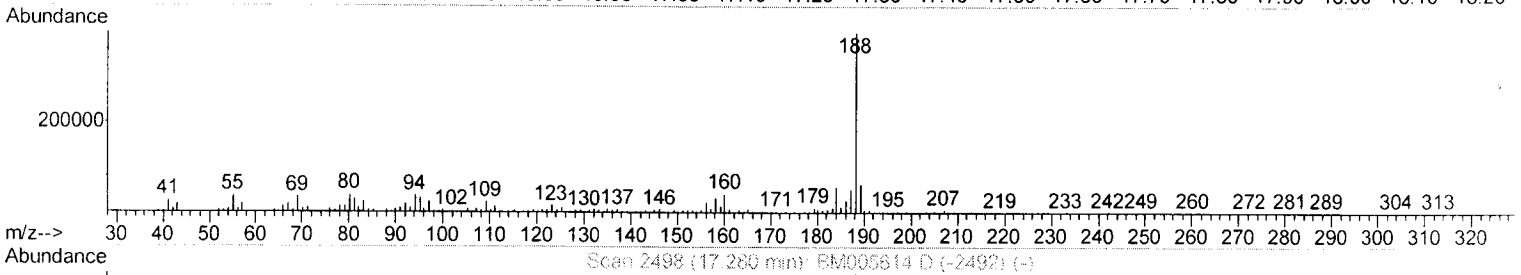
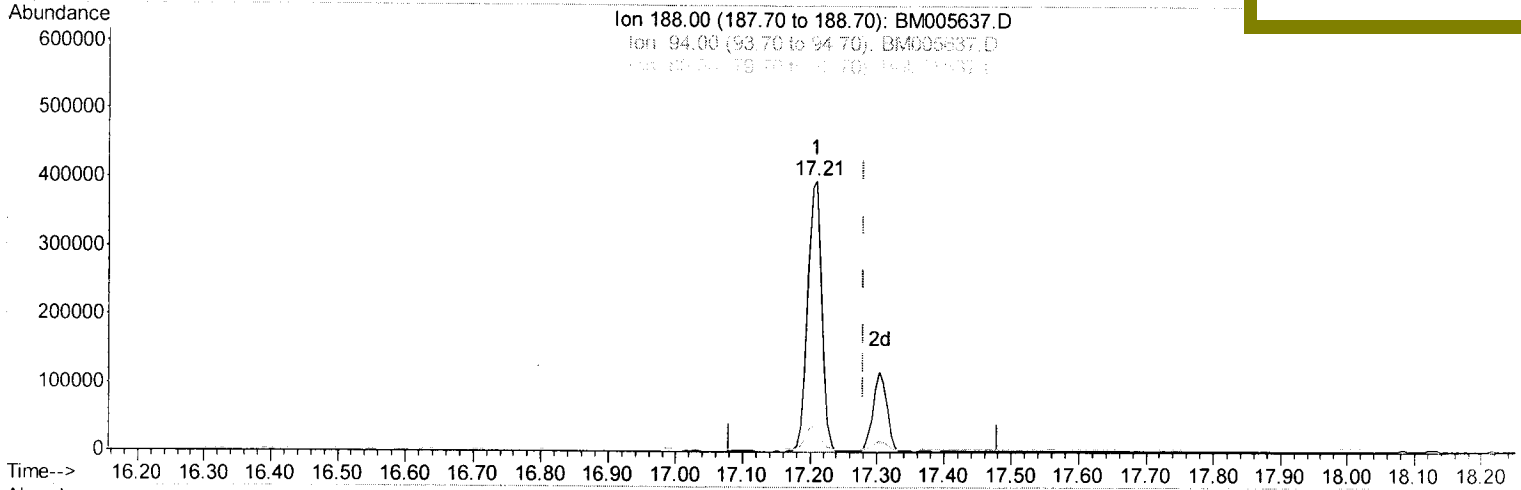
Data Path : Z:\HPCHEM1\BNA M\Data\BM052316\
 Data File : BM005637.D
 Acq On : 24 May 2016 08:32
 Operator : UM/SJ
 Sample : H3087-16DL 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
ClientSampleId :
 JHGK9DL

Quant Time: May 24 14:08:59 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM052016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 24 06:55:29 2016
 Response via : Initial Calibration

Manual Integrations
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(70) Anthracene-d10 (S)

17.209min (-0.071) 20.99ng/ul

response 586138

Ion	Exp%	Act%
188.00	100	100
94.00	10.00	9.57
80.00	9.20	9.67
0.00	0.00	0.00

Quantitation Report (Qedit)

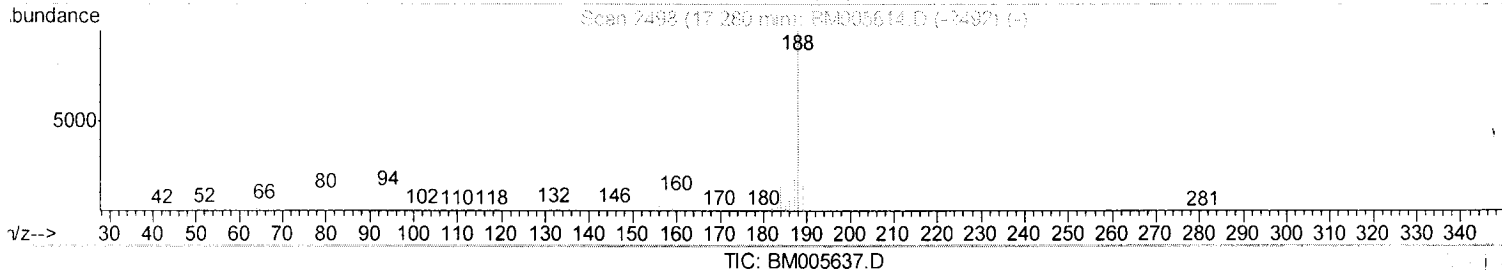
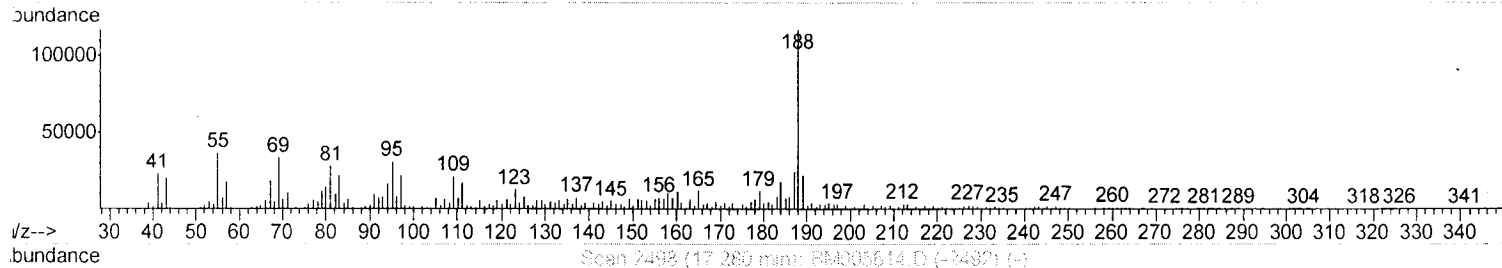
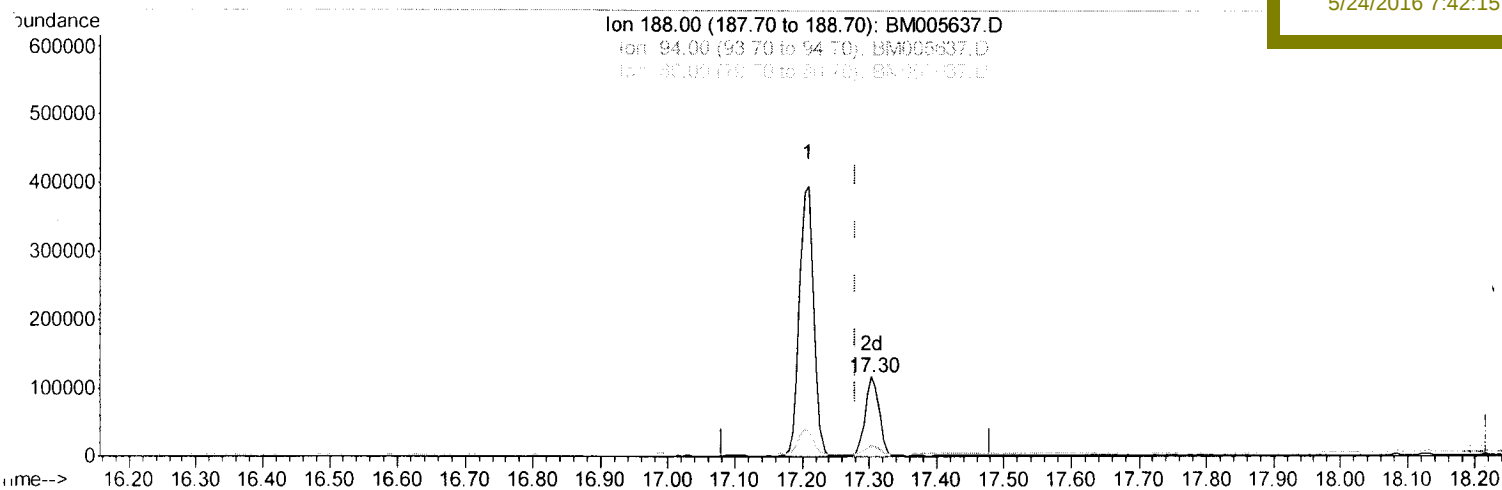
Data Path : Z:\HPCHEM1\BNA M\Data\BM052316\
 Data File : BM005637.D
 Acq On : 24 May 2016 08:32
 Operator : UM/SJ
 Sample : H3087-16DL 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 JHKG9DL

Manual Integrations
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Quant Time: Mav 24 14:10:53 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM052016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 24 06:55:29 2016
 Response via : Initial Calibration



(70) Anthracene-d10 (S)

17.304min (+0.023) 6.08ng/ul m

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 05/25/16

response 169723

Ion	Exp%	Act%
188.00	100	100
94.00	10.00	14.02#
80.00	9.20	12.40#
0.00	0.00	0.00

Quantitation Report (Qedit)

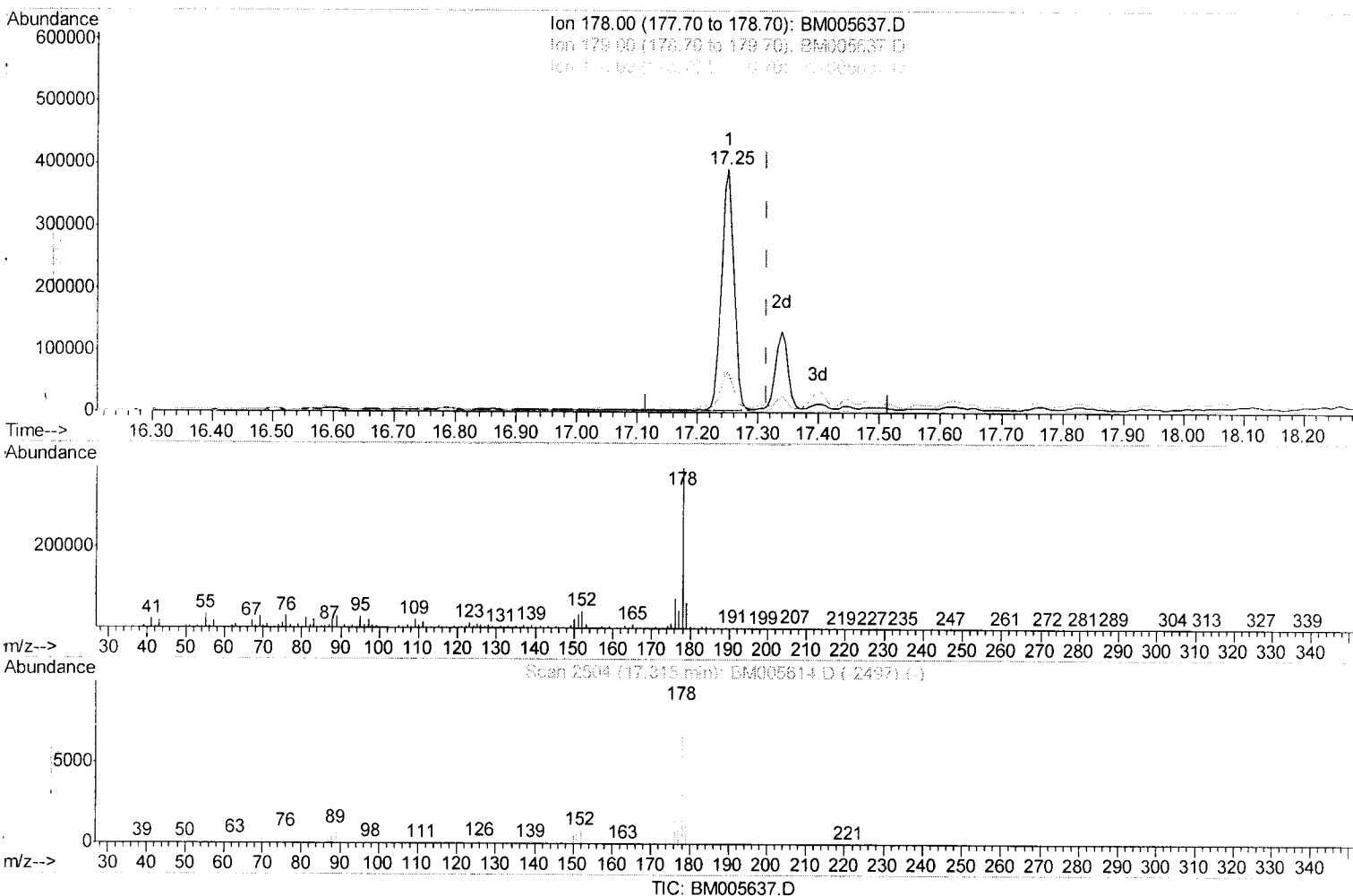
Data Path : Z:\HPCHEM1\BNA M\Data\BM052316\
 Data File : BM005637.D
 Acq On : 24 May 2016 08:32
 Operator : UM/SJ
 Sample : H3087-16DL 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHKG9DL

Manual Integrations
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Quant Time: May 24 14:10:53 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM052016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 24 06:55:29 2016
 Response via : Initial Calibration



(71) Anthracene

17.251min (-0.065) 16.59ng/ul

response 553983

Ion	Exp%	Act%
178.00	100	100
179.00	15.70	16.85
176.00	18.70	18.92
0.00	0.00	0.00

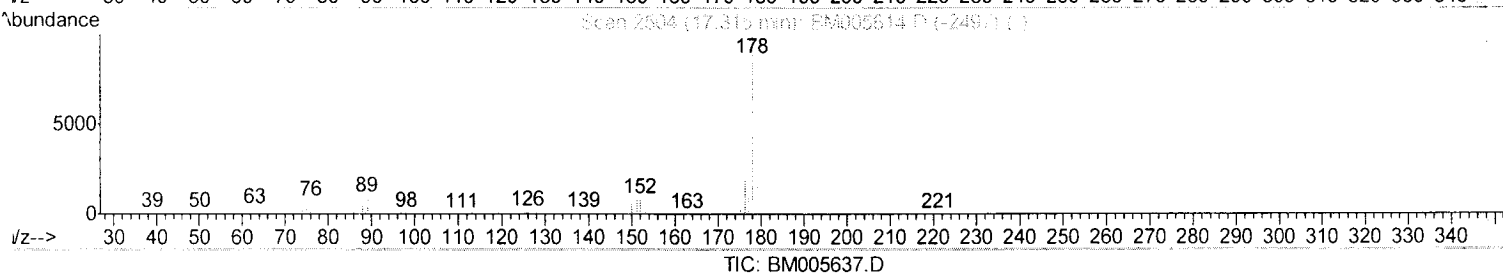
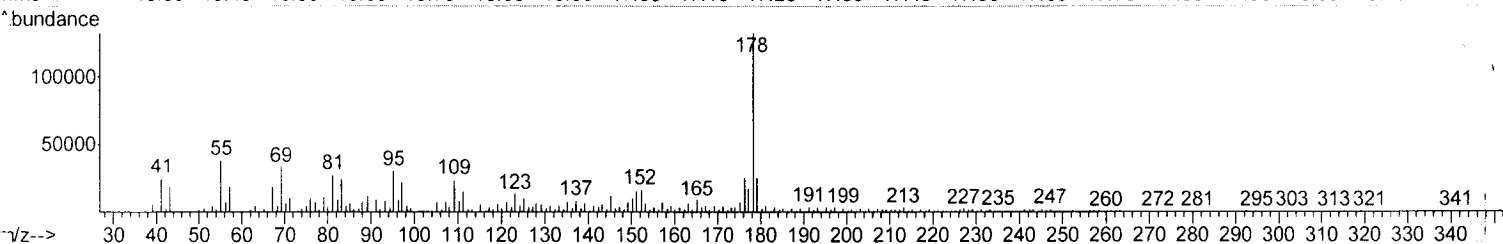
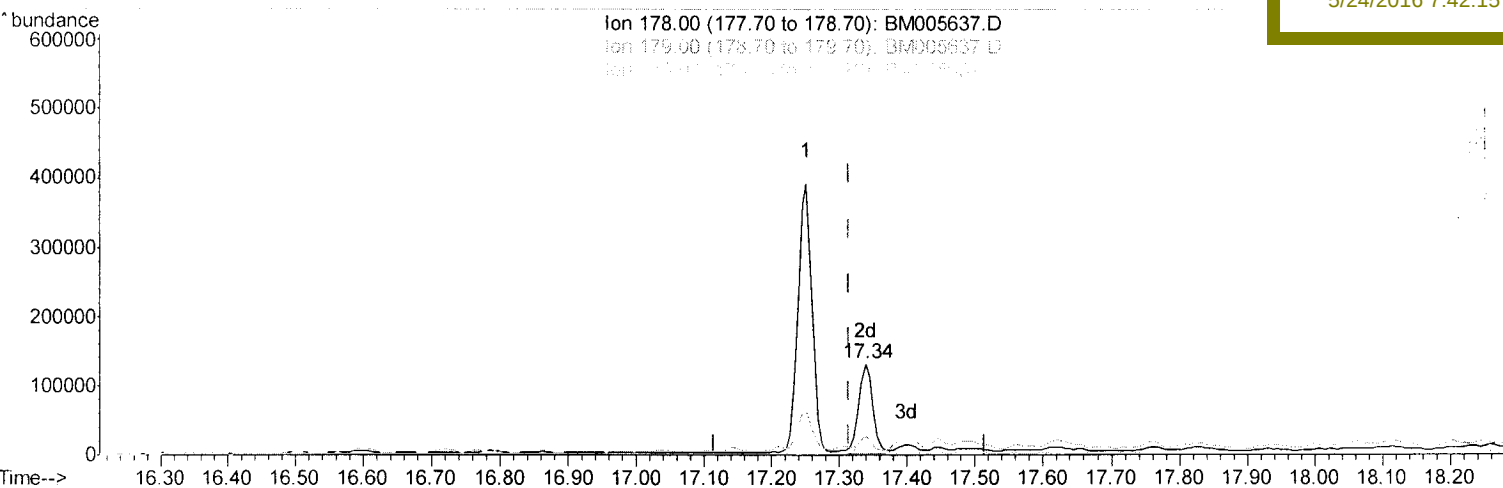
Data Path : Z:\HPCHEM1\BNA M\Data\BM052316\
 Data File : BM005637.D
 Acq On : 24 May 2016 08:32
 Operator : UM/SJ
 Sample : H3087-16DL 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGK9DL

Manual Integrations
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Quant Time: May 24 14:10:53 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM052016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 24 06:55:29 2016
 Response via : Initial Calibration



(71) Anthracene

17.339min (+0.023) 5.76ng/ul m

response 192418

Ion Exp% Act%

178.00 100 100

179.00 15.70 19.60#

176.00 18.70 19.06

0.00 0.00 0.00

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Quantitation Report (Qedit)

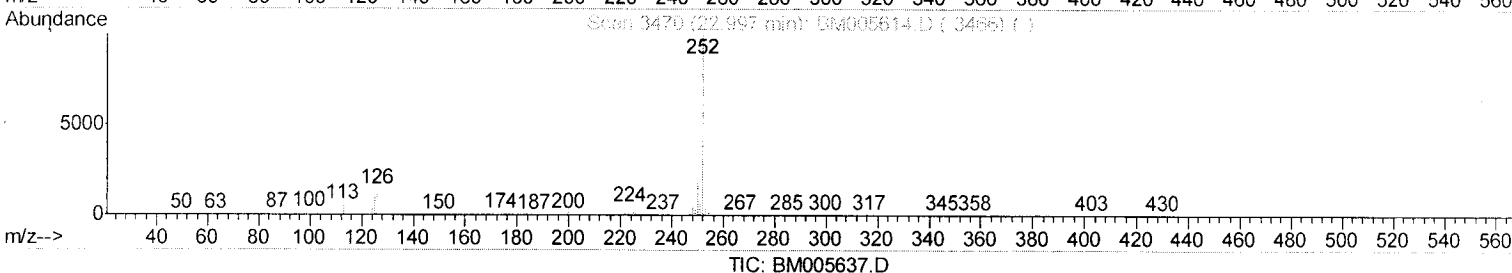
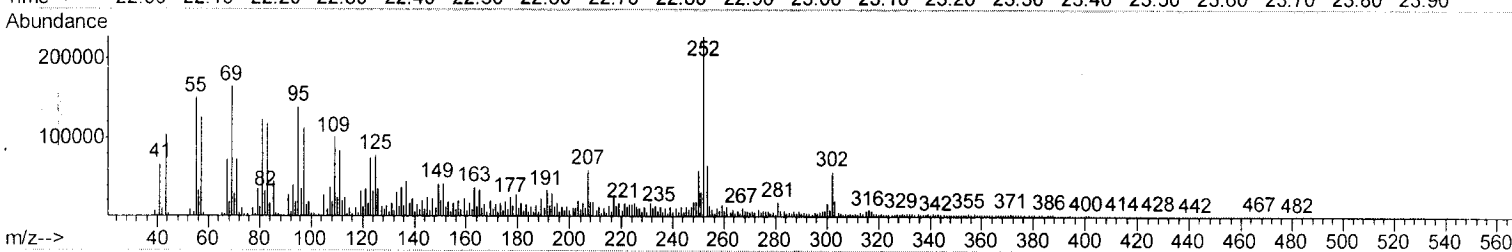
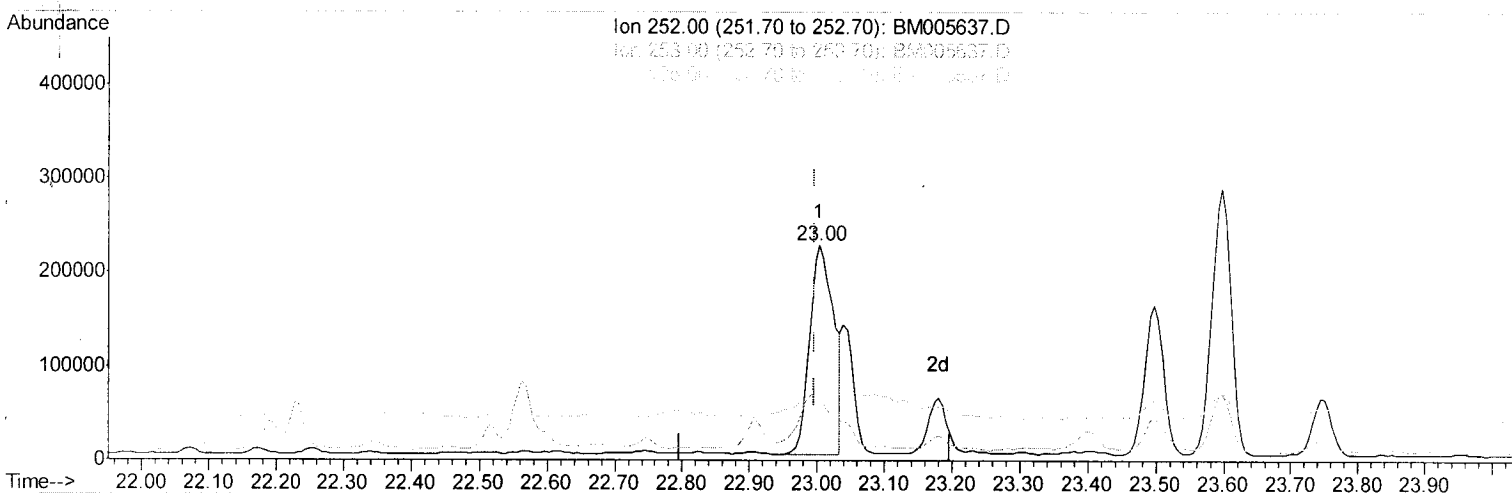
Data Path : Z:\HPCHEM1\BNA M\Data\BM052316\
 Data File : BM005637.D
 Acq On : 24 May 2016 08:32
 Operator : UM/SJ
 Sample : H3087-16DL 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHKG9DL

Manual Integrations
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Quant Time: May 24 14:10:53 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM052016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 24 06:55:29 2016
 Response via : Initial Calibration



(86) Benzo(k)fluoranthene

23.003min (+0.006) 20.01ng/ul

response 554098

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	29.11#
125.00	8.80	34.35#
0.00	0.00	0.00

Quantitation Report (Qedit)

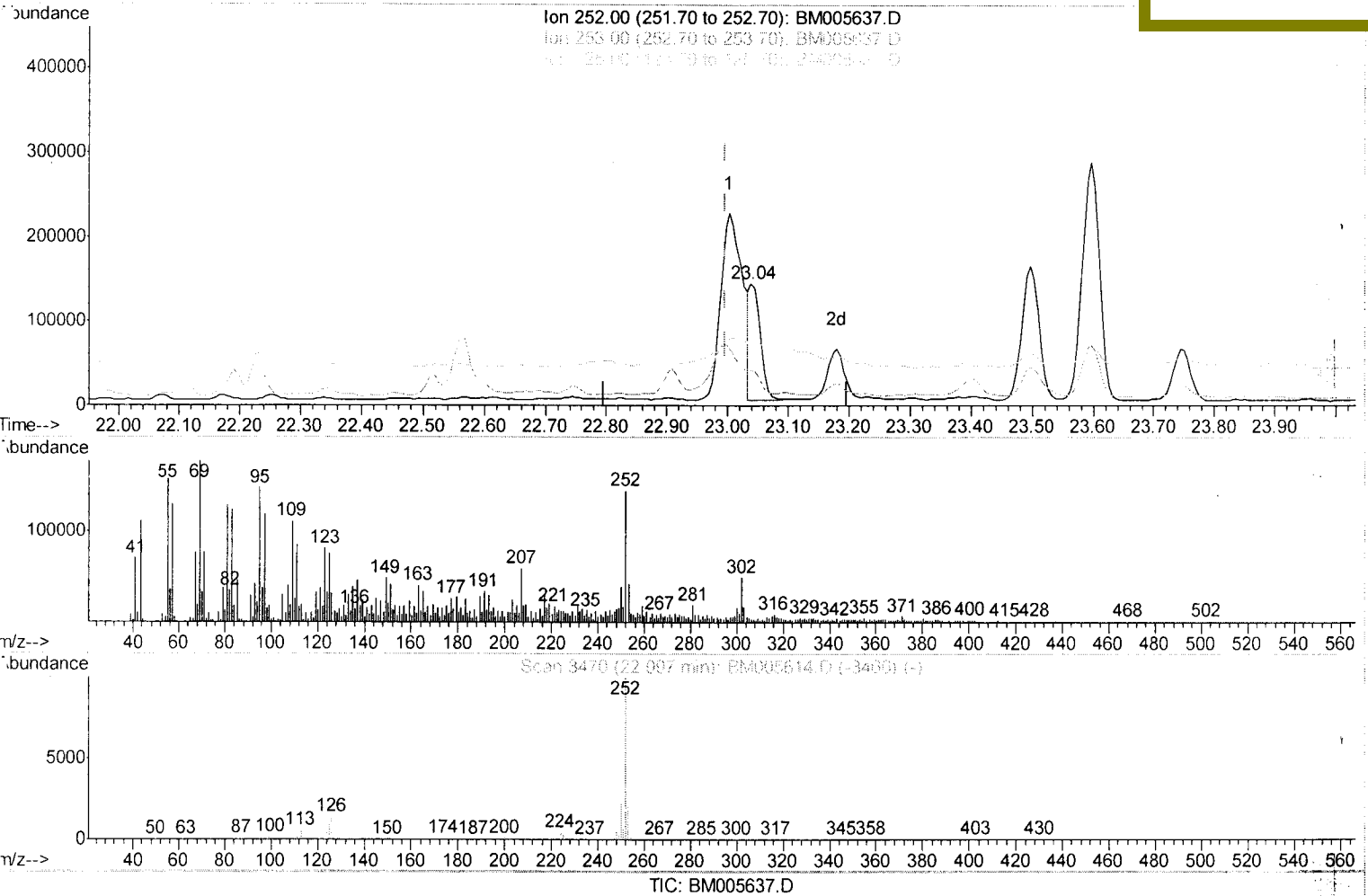
Data Path : Z:\HPCHEM1\BNA M\Data\BM052316\
Data File : BM005637.D
Acq On : 24 May 2016 08:32
Operator : UM/SJ
Sample : H3087-16DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA M
ClientSampled :
JHGK9DL

Quant Time: Mav 24 14:10:53 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 24 06:55:29 2016
Response via : Initial Calibration

Manual Integrations
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(86) Benzo(k)fluoranthene

23.038min (+0.041) 6.27ng/ul m

response 173645

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	29.29#
125.00	8.80	52.21#
0.00	0.00	0.00

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Quantitation Report (Qedit)

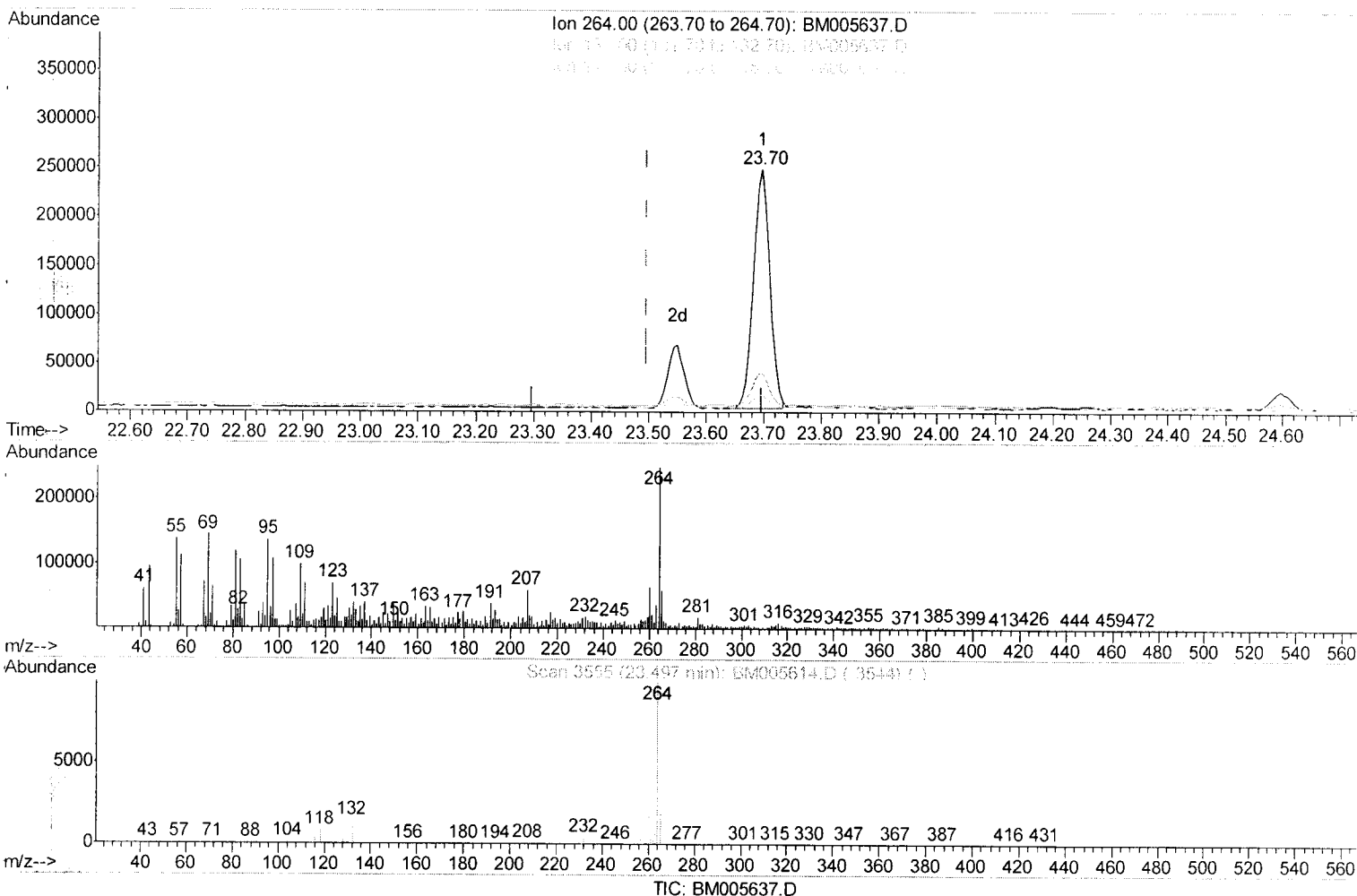
Data Path : Z:\HPCHEM1\BNA M\Data\BM052316\
 Data File : BM005637.D
 Acq On : 24 May 2016 08:32
 Operator : UM/SJ
 Sample : H3087-16DL 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHKG9DL

Manual Integrations
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Quant Time: May 24 14:10:53 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM052016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 24 06:55:29 2016
 Response via : Initial Calibration



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

23.697min (+0.200) 21.31ng/ul

response 493372

Ion	Exp%	Act%
264.00	100	100
132.00	14.70	16.32
118.00	9.10	7.37
0.00	0.00	0.00

Quantitation Report (Qedit)

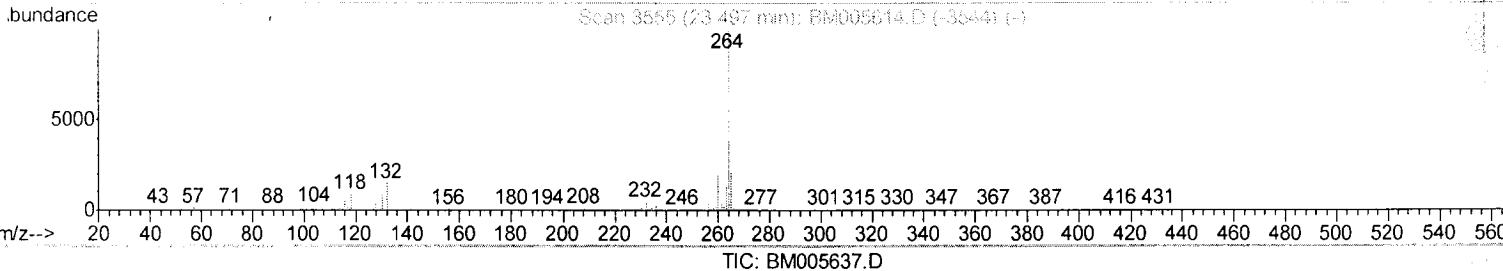
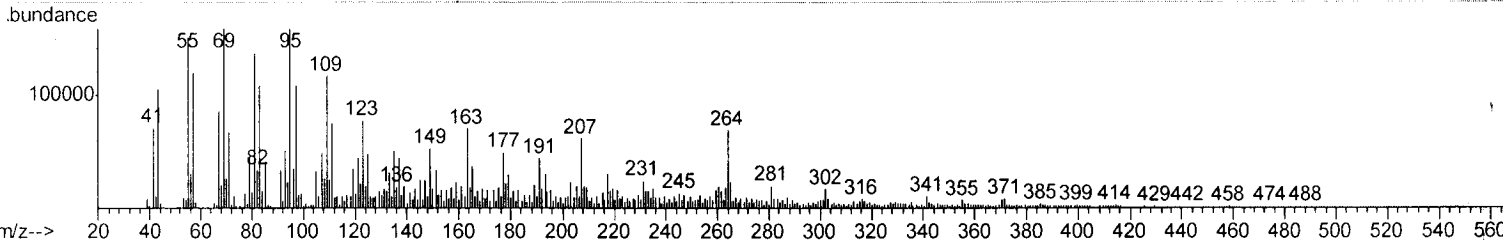
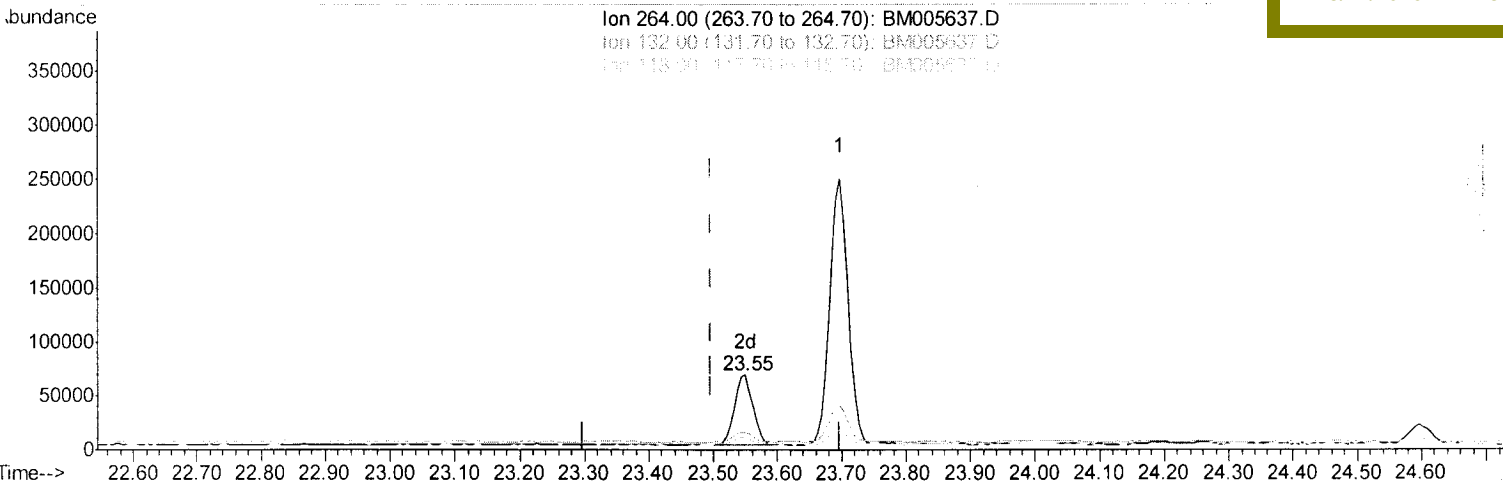
Data Path : Z:\HPCHEM1\BNA M\Data\BM052316\
 Data File : BM005637.D
 Acq On : 24 May 2016 08:32
 Operator : UM/SJ
 Sample : H3087-16DL 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHKG9DL

Manual Integrations
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Quant Time: Mav 24 14:10:53 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM052016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 24 06:55:29 2016
 Response via : Initial Calibration



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

23.550min (+0.053) 5.46ng/ul m

response 126439

Ion	Exp%	Act%
264.00	100	100
132.00	14.70	22.51#
118.00	9.10	15.92#
0.00	0.00	0.00

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Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA M\Data\BM052316\
 Data File : BM005637.D
 Acq On : 24 May 2016 08:32
 Operator : UM/SJ
 Sample : H3087-16DL 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGK9DL

Manual Integrations
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Quant Time: May 24 14:13:10 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM052016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 24 06:55:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	128938	20.00	ng/ul	0.01
18) Naphthalene-d8	10.62	136	527987	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.46	164	291743	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.21	188	586138	20.00	ng/ul	0.02
75) Chrysene-d12	21.39	240	456374	20.00	ng/ul	0.03
83) Perylene-d12	23.70	264	495900	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.28	96	2608	0.89	ng/uL	0.00
5) Phenol-d5	7.01	99	58995	5.58	ng/ul	0.03
7) Bis-(2-Chloroethyl)ether-d	7.15	67	47529	7.76	ng/ul	0.01
9) 2-Chlorophenol-d4	7.36	132	47572	5.40	ng/ul	0.02
13) 4-Methylphenol-d8	8.54	113	46157	5.33	ng/ul	0.02
19) Nitrobenzene-d5	8.98	128	22277	5.52	ng/ul	0.02
22) 2-Nitrophenol-d4	9.70	143	19077	4.29	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.25	165	49645	5.93	ng/ul	0.03
29) 4-Chloroaniline-d4	10.75	131	37539	4.48	ng/ul	0.02
43) Dimethylphthalate-d6	13.86	166	121225	5.09	ng/ul	0.02
46) Acenaphthylene-d8	14.16	160	170634	5.73	ng/ul	0.02
51) 4-Nitrophenol-d4	14.70	143	13541m	3.01	ng/ul	0.05
57) Fluorene-d10	15.45	176	116602	5.63	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.54	200	1715	0.51	ng/ul	-0.01
70) Anthracene-d10	17.30	188	169723m	6.08	ng/ul	0.02
76) Pyrene-d10	19.60	212	154017	7.45	ng/ul	0.03
87) Benzo(a)pyrene-d12	23.55	264	126439m	5.46	ng/ul	0.05

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Target Compounds

					Ovalue
24) 2,4-Dimethylphenol	9.82	107	10339	1.05	ng/ul# 70
28) Naphthalene	10.66	128	35996	1.36	ng/ul 98
44) Dimethylphthalate	13.91	163	56844	2.42	ng/ul# 93
47) Acenaphthylene	14.19	152	156377	5.17	ng/ul 97
58) Fluorene	15.51	166	44430	1.95	ng/ul# 98
69) Phenanthrene	17.25	178	553983	16.91	ng/ul 97
71) Anthracene	17.34	178	192418m	5.76	ng/ul
74) Fluoranthene	19.27	202	1272190	34.50	ng/ul 99
77) Pyrene	19.63	202	1451197	55.31	ng/ul 99
80) Benzo(a)anthracene	21.37	228	513998	19.16	ng/ul# 90
82) Chrysene	21.43	228	508022	19.91	ng/ul# 92
85) Benzo(b)fluoranthene	23.00	252	554098	18.94	ng/ul# 68
86) Benzo(k)fluoranthene	23.04	252	173645m	6.27	ng/ul
88) Benzo(a)pyrene	23.60	252	551965	19.45	ng/ul# 83
89) Indeno(1,2,3-cd)pyrene	26.04	276	345402	10.25	ng/ul# 92
90) Dibenzo(a,h)anthracene	26.04	278	77722	2.77	ng/ul# 26
91) Benzo(a,h,i)perylene	26.76	276	323222	11.41	ng/ul# 87

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