

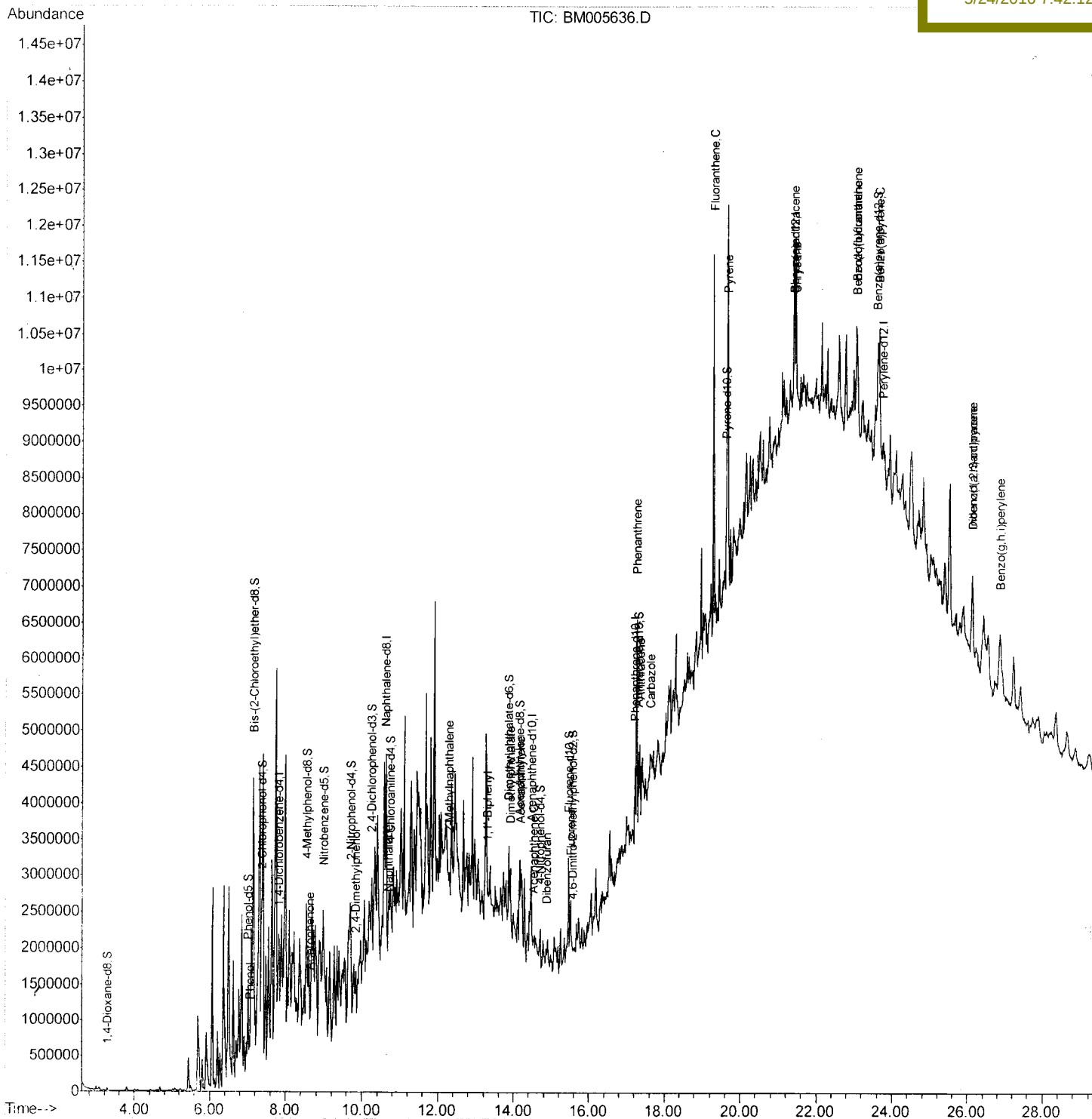
Data Path : Z:\HPCHEM1\BNA M\Data\BM052316\
Data File : BM005636.D
Acq On : 24 May 2016 07:56
Operator : UM/SJ
Sample : H3087-16RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mav 24 13:57:18 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
ClientSampleId :
JHGK9RE

Manual Integrations
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Quantitation Report (Qedit)

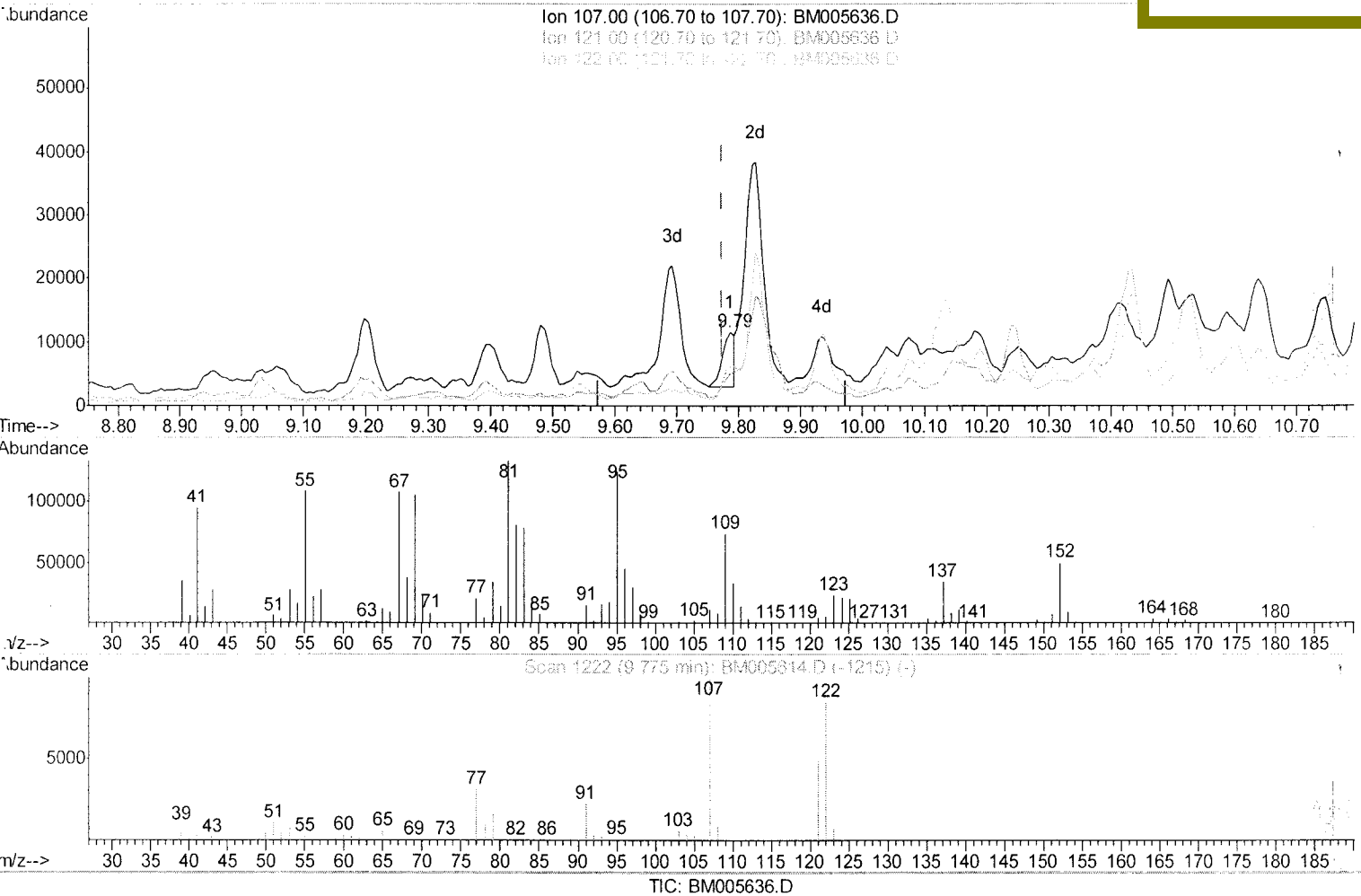
Data Path : Z:\HPCHEM1\BNA M\Data\BM052316\
Data File : BM005636.D
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Instrument :
BNA_M
ClientSampled :
JHGK9RE

Quant Time: May 24 13:51:50 2016
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(24) 2,4-Dimethylphenol

9.787min (+0.012) 0.94ng/ul

response 12017

Ion	Exp%	Act%
107.00	100	100
121.00	46.90	43.22
122.00	83.60	53.17#
0.00	0.00	0.00

Quantitation Report (Qedit)

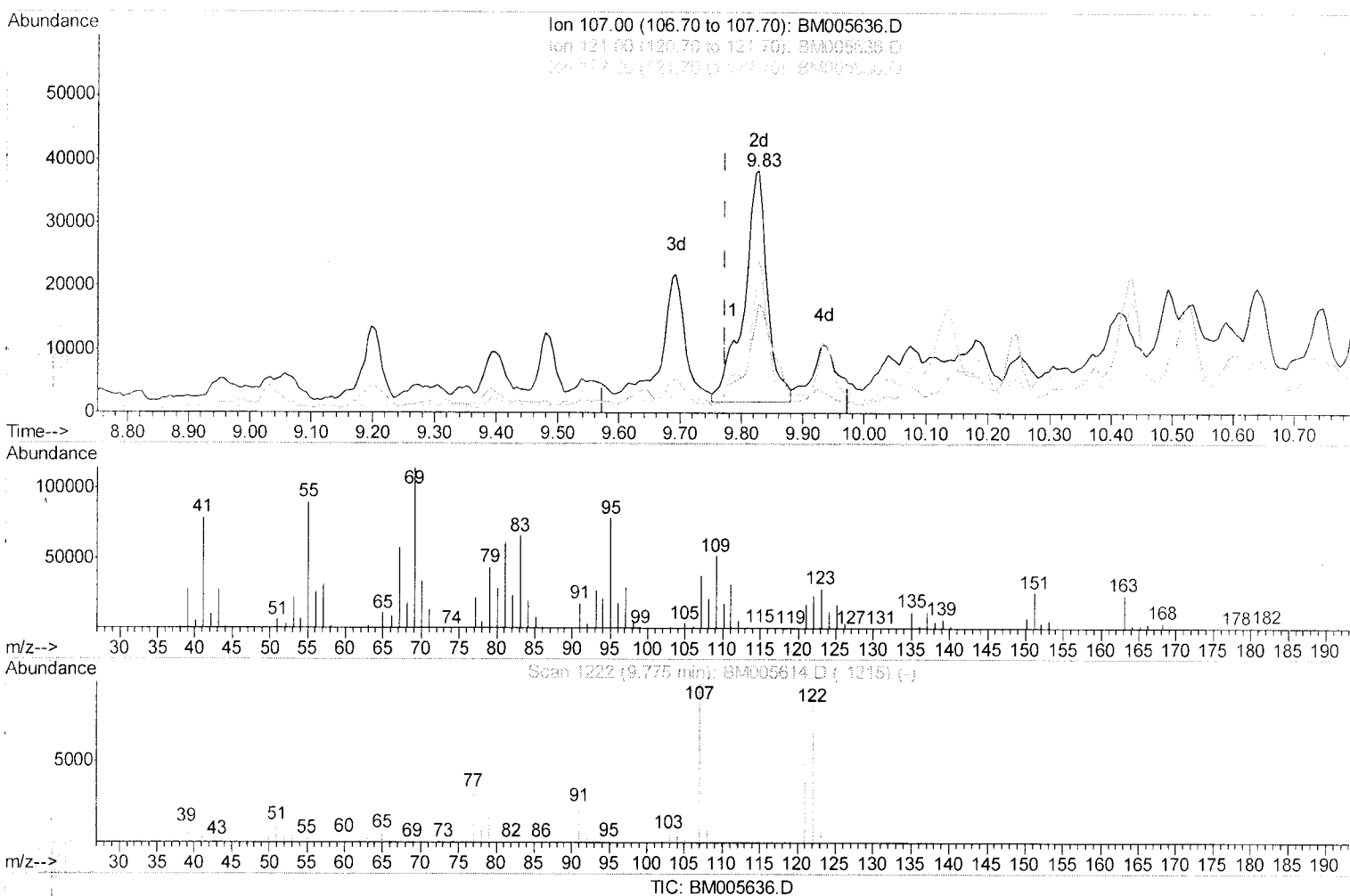
Data Path : Z:\HPCHEM1\BNA M\Data\BM052316\
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 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHKG9RE

Manual Integrations
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(24) 2,4-Dimethylphenol

9.828min (+0.053) 7.71ng/ul m

response 98422

Ion	Exp%	Act%
107.00	100	100
121.00	46.90	44.97
122.00	83.60	63.10#
0.00	0.00	0.00

u.m.
 05/25/16

Quantitation Report (Qedit)

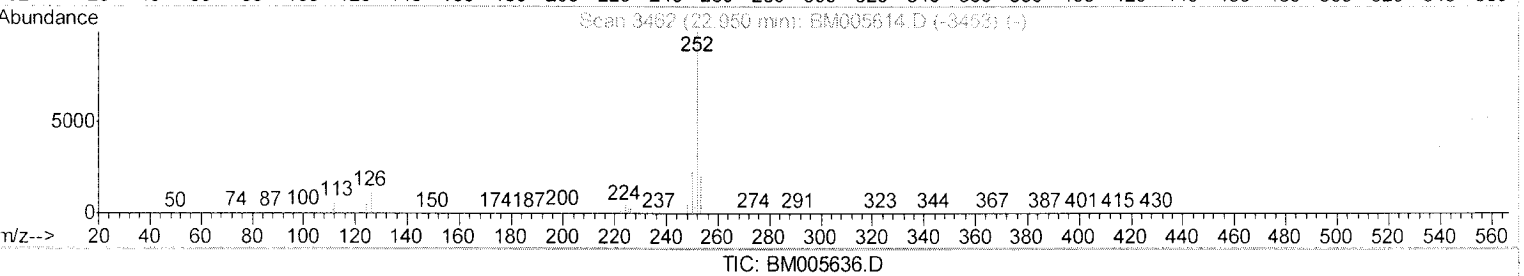
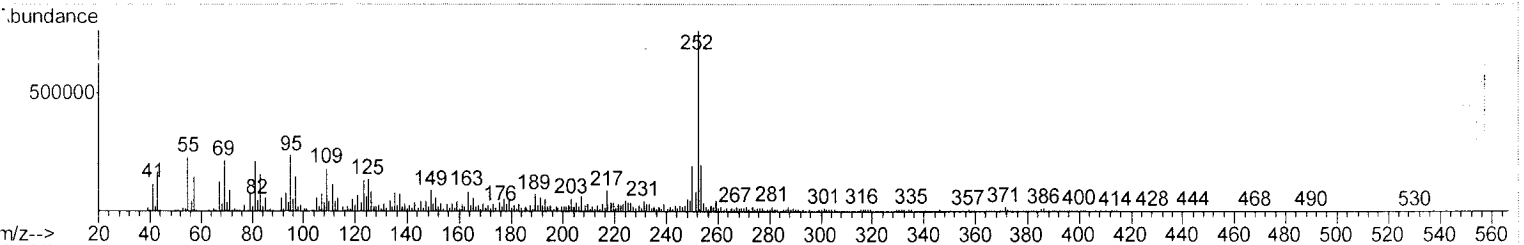
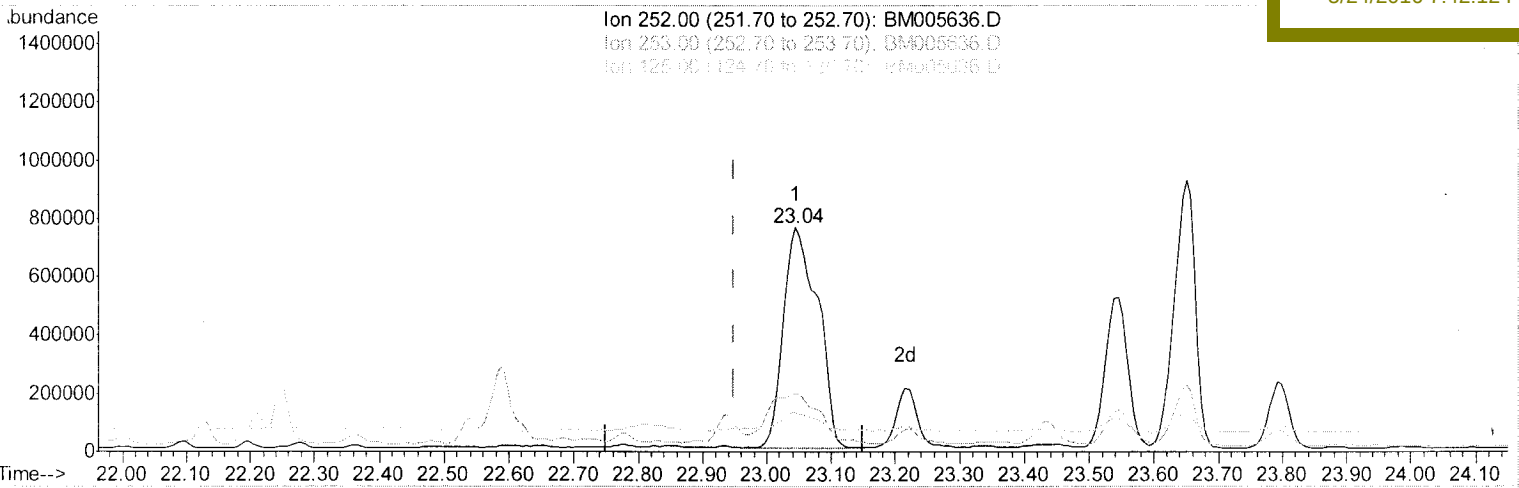
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Data File : BM005636.D
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Operator : UM/SJ
Sample : H3087-16RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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(85) Benzo(b)fluoranthene

23.045min (+0.095) 113.25ng/ul

response 2788890

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	26.05#
125.00	8.70	17.73#
0.00	0.00	0.00

Quantitation Report (Qedit)

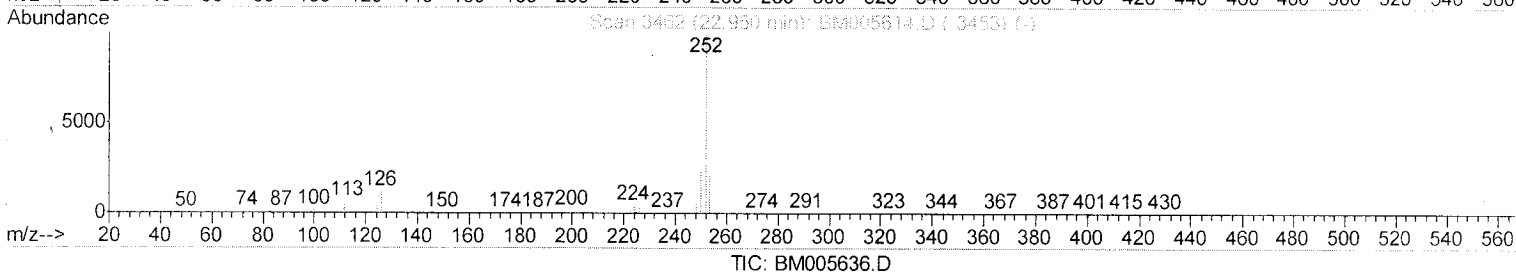
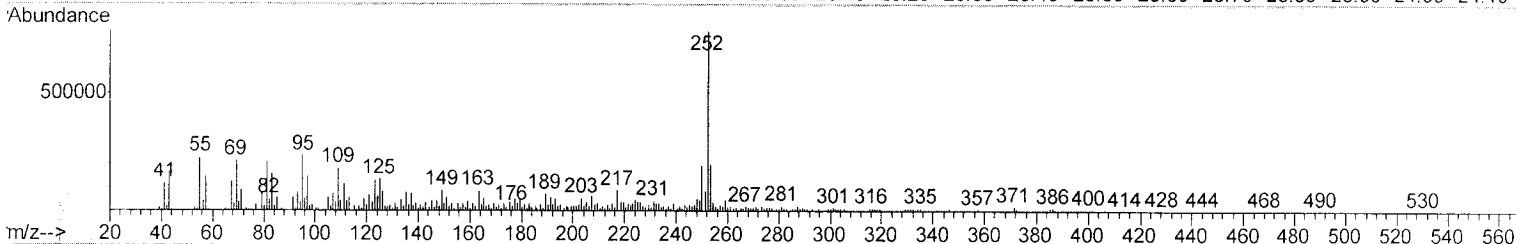
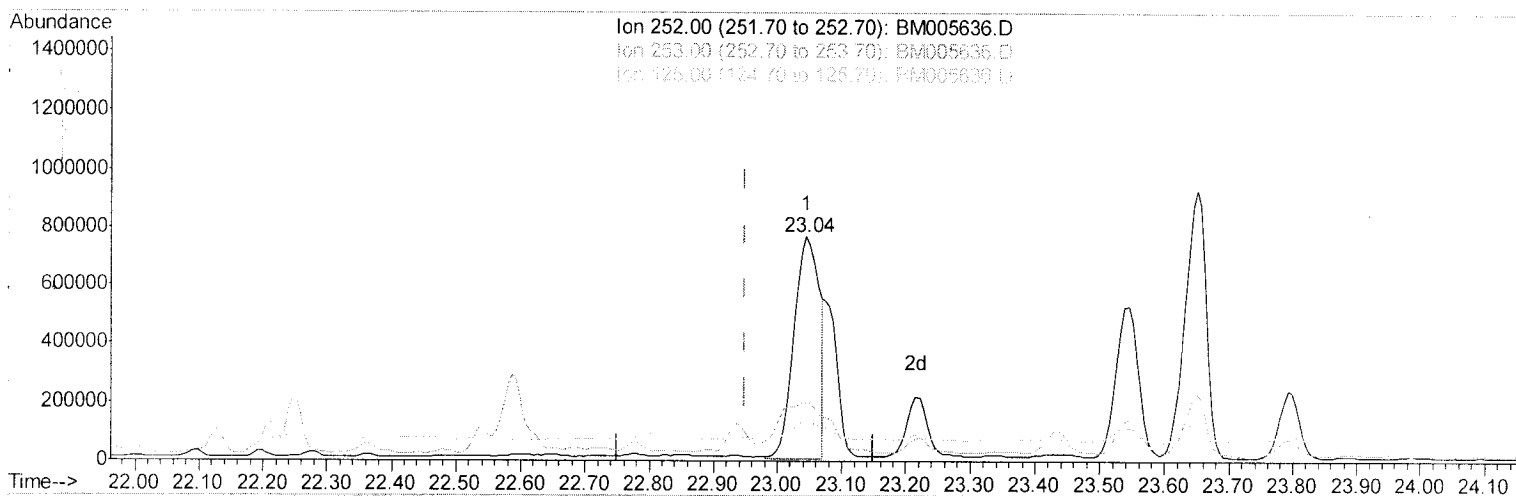
Data Path : Z:\HPCHEM1\BNA M\Data\BM052316\
 Data File : BM005636.D
 Acc On : 24 May 2016 07:56
 Operator : UM/SJ
 Sample : H3087-16RE
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA M
 ClientSampleId :
 JHGK9RE

Manual Integrations
 APPROVED

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Quant Time: May 24 13:51:50 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



(85) Benzo(b)fluoranthene

23.045min (+0.095) 83.34ng/ul m *o.m.*
05/25/16

response 2052194

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	26.05#
125.00	8.70	17.73#
0.00	0.00	0.00

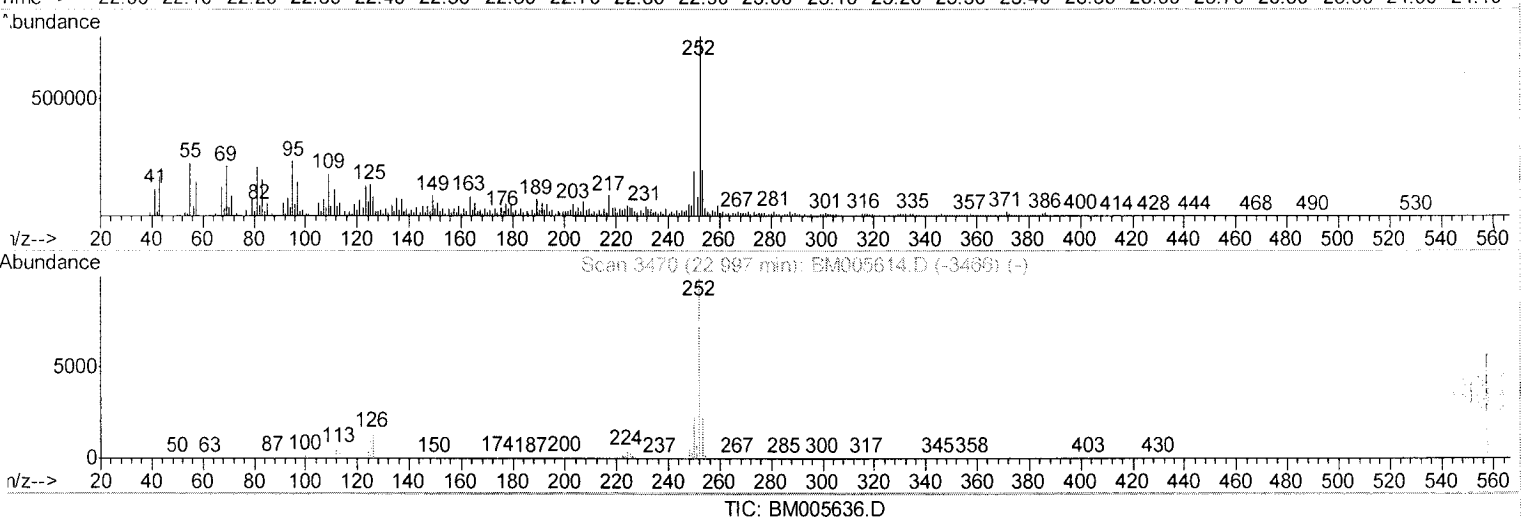
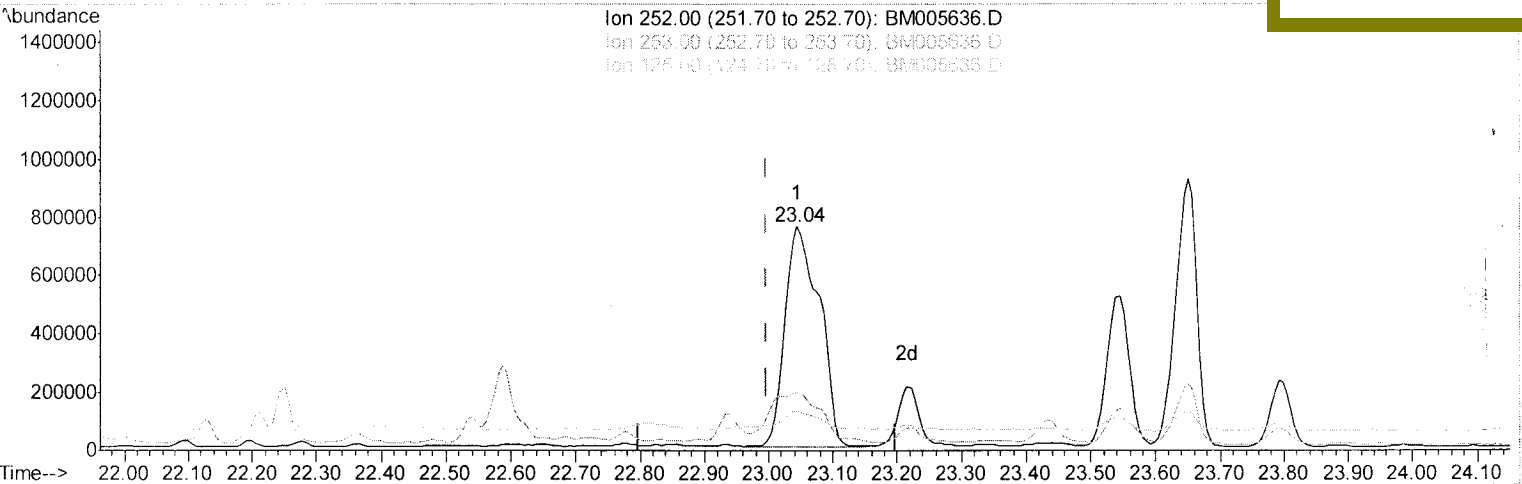
Data Path : Z:\HPCHEM1\BNA M\Data\BM052316\
Data File : BM005636.D
Acq On : 24 May 2016 07:56
Operator : UM/SJ
Sample : H3087-16RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
JHGK9RE

Quant Time: May 24 13:51:50 2016
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Manual Integrations
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(86) Benzo(k)fluoranthene

23.045min (+0.047) 119.64ng/ul

response 2788890

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	26.05
125.00	8.80	17.73#
0.00	0.00	0.00

Quantitation Report (Qedit)

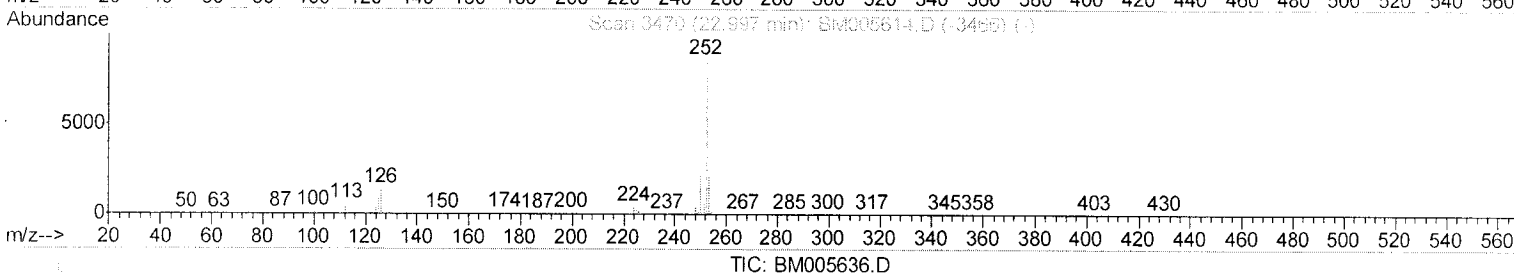
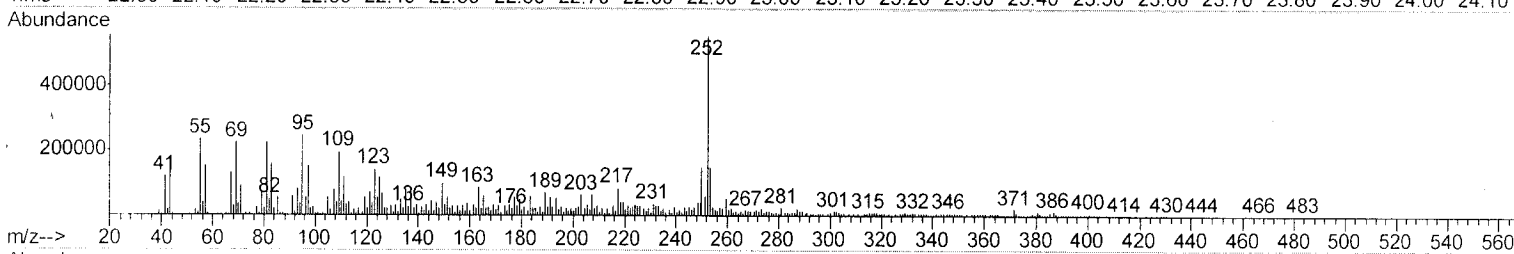
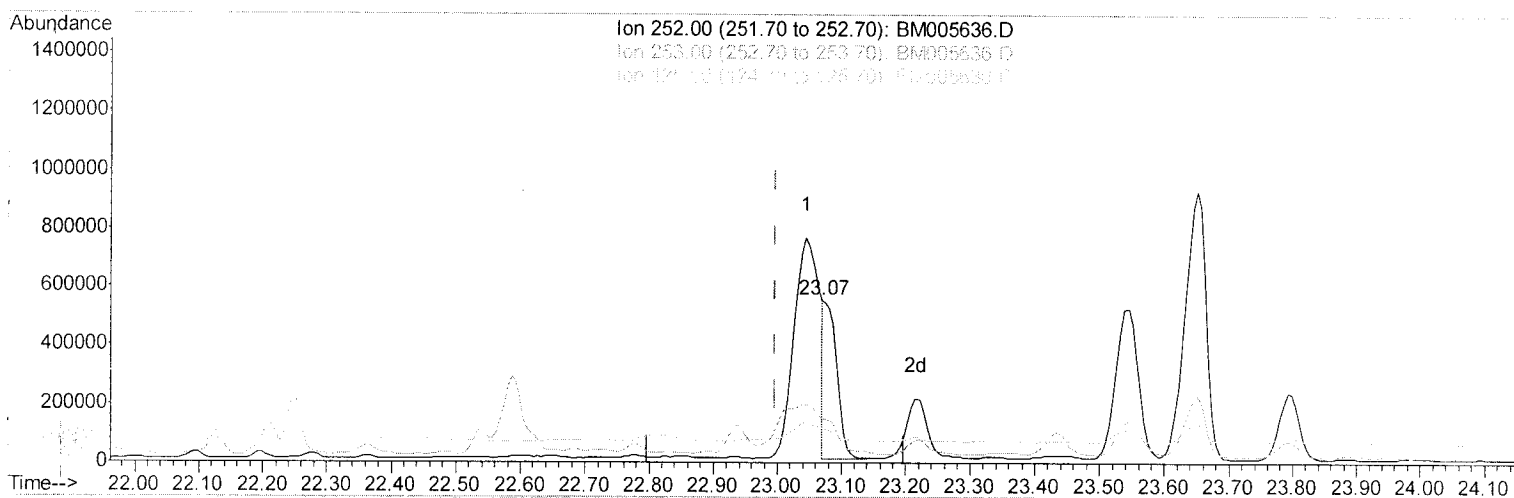
Data Path : Z:\HPCHEM1\BNA M\Data\BM052316\
 Data File : BM005636.D
 Acq On : 24 May 2016 07:56
 Operator : UM/SJ
 Sample : H3087-16RE
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHKG9RE

Manual Integrations
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Quant Time: May 24 13:51:50 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
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(86) Benzo(k)fluoranthene

23.068min (+0.071) 33.09ng/ul m

response 771275

Ion	Exp%	Act%
252.00	100	100
253.00	21.90	27.09#
125.00	8.80	21.49#
0.00	0.00	0.00

u.m.
 0.5/25/16

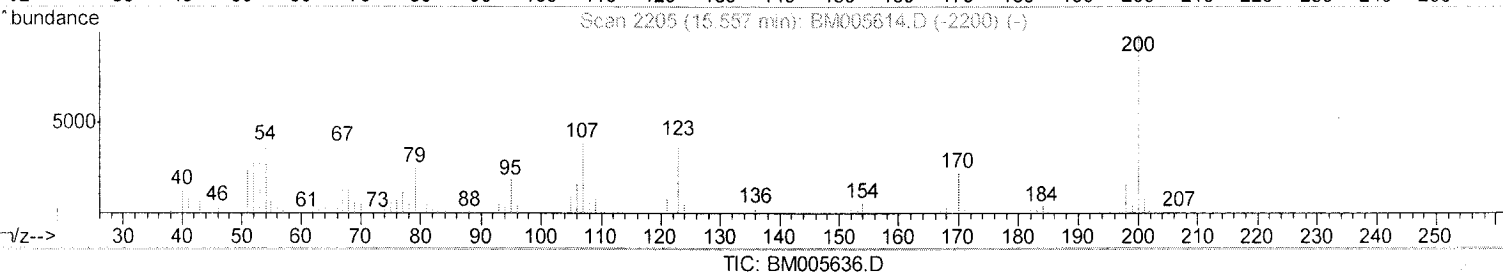
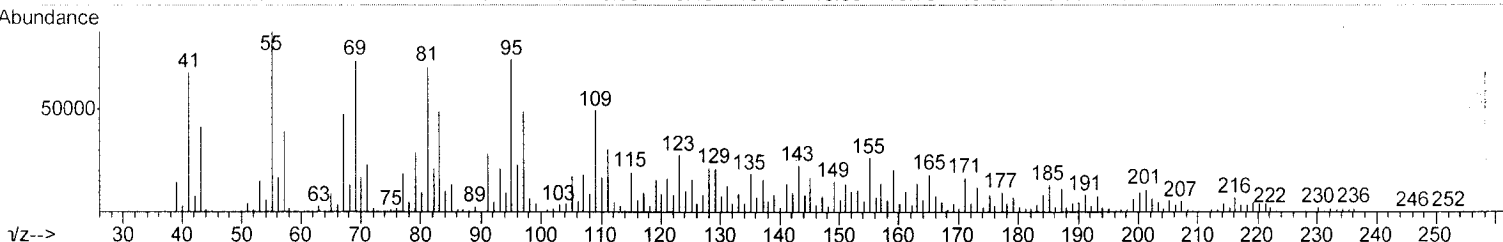
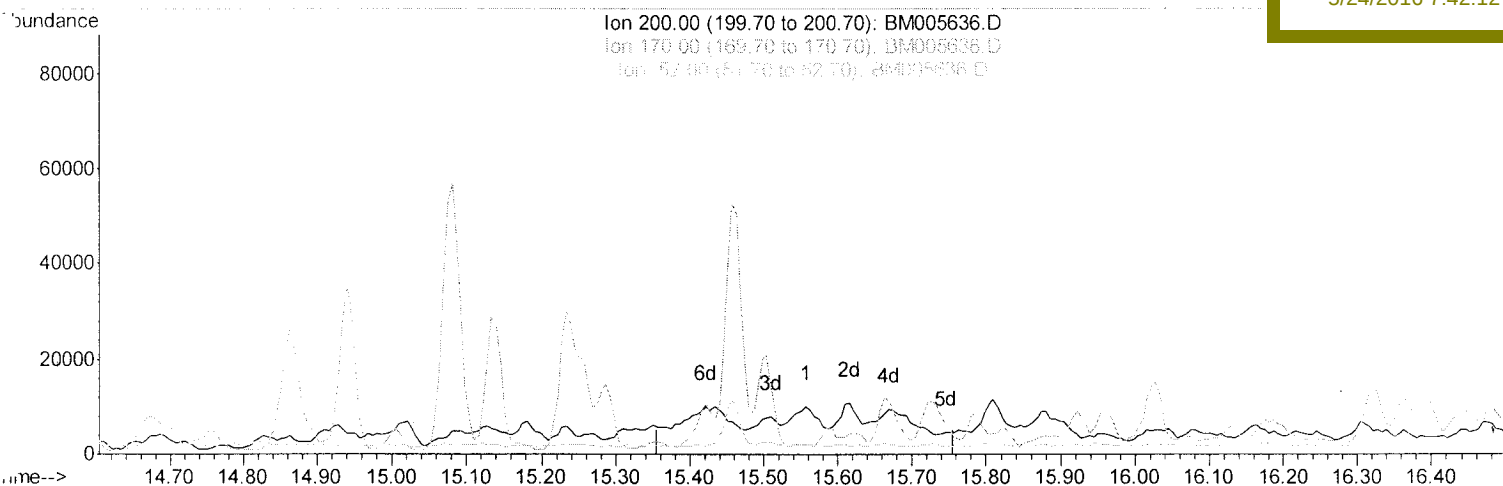
Data Path : Z:\HPCHEM1\BNA M\Data\BM052316\
Data File : BM005636.D
Acq On : 24 May 2016 07:56
Operator : UM/SJ
Sample : H3087-16RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual Integrations
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(62) 4,6-Dinitro-2-methylphenol-d2 (S)

15.557min (-15.557) 0.00ng/ul d

response 0

Ion	Exp%	Act%
200.00	100	0.00
170.00	24.00	0.00
52.00	44.10	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

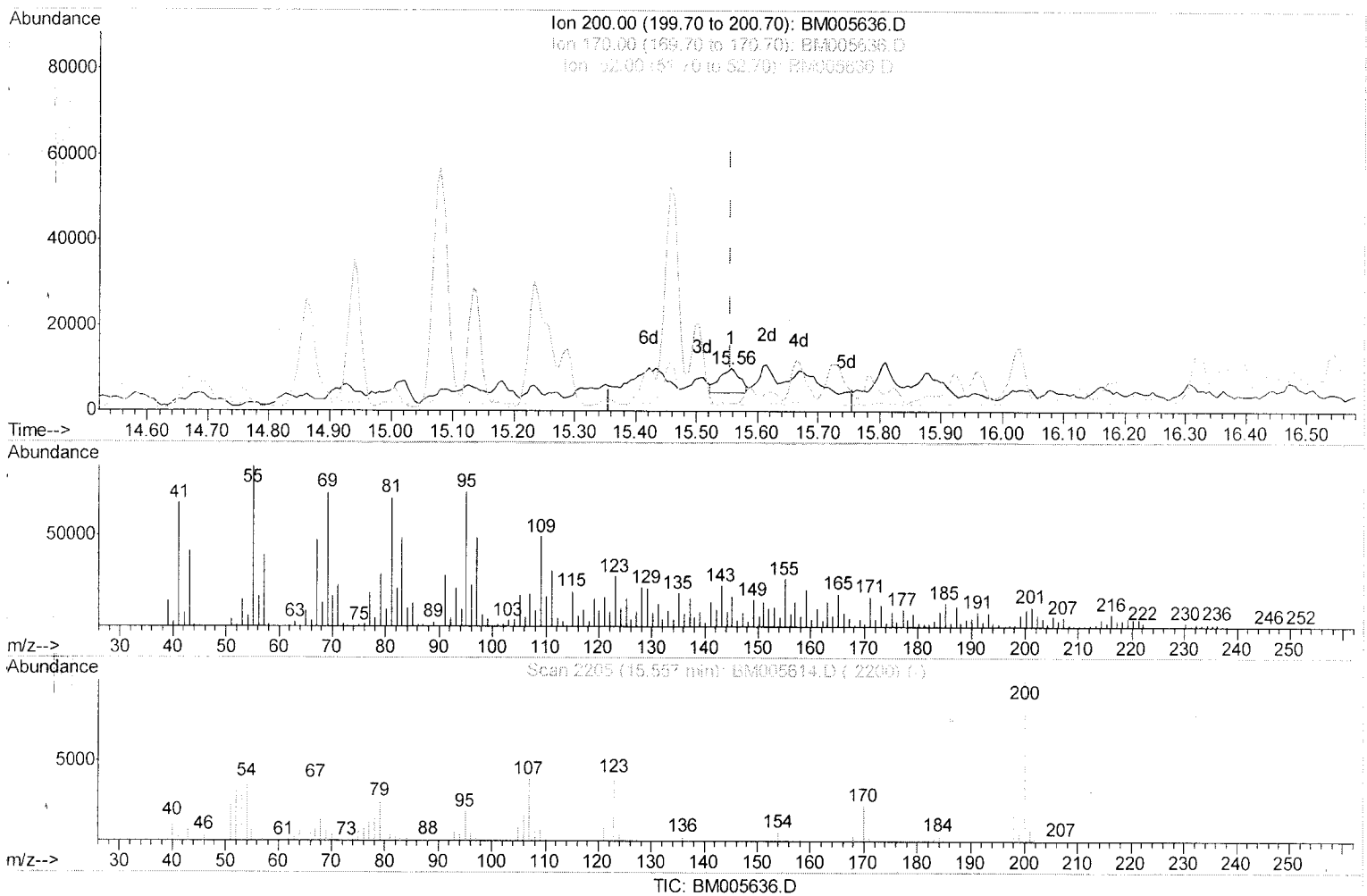
Data Path : Z:\HPCHEM1\BNA M\Data\BM052316\
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 Acq On : 24 May 2016 07:56
 Operator : UM/SJ
 Sample : H3087-16RE
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGK9RE

Manual Integrations
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Quant Time: May 24 13:56:17 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



(62) 4,6-Dinitro-2-methylphenol-d2 (S)

15.557min (+0.000) 4.05ng/ul m

response 13305

Ion	Exp%	Act%
200.00	100	100
170.00	24.00	21.31
52.00	44.10	17.47#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\Data\BM052316\
Data File : BM005636.D
Acq On : 24 May 2016 07:56
Operator : UM/SJ
Sample : H3087-16RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA M
ClientSampleId :
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Quant Time: May 24 13:57:18 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM052016.M
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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	192605	20.00	ng/ul	0.02
18) Naphthalene-d8	10.62	136	682709	20.00	ng/ul	0.03
35) Acenaphthene-d10	14.47	164	356461	20.00	ng/ul	0.03
61) Phenanthrene-d10	17.22	188	570799	20.00	ng/ul	0.03
75) Chrysene-d12	21.41	240	368800	20.00	ng/ul	0.05
83) Perylene-d12	23.74	264	417506	20.00	ng/ul	0.11

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.28	96	16436	3.74	ng/uL	0.00
5) Phenol-d5	7.01	99	425273	26.94	ng/ul	0.03
7) Bis-(2-Chloroethyl) ether-d	7.15	67	303426	33.16	ng/ul	0.02
9) 2-Chlorophenol-d4	7.36	132	320855	24.36	ng/ul	0.02
13) 4-Methylphenol-d8	8.55	113	312638	24.17	ng/ul	0.03
19) Nitrobenzene-d5	8.98	128	157983	30.27	ng/ul	0.02
22) 2-Nitrophenol-d4	9.70	143	143360	24.95	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.26	165	329098	30.41	ng/ul	0.04
29) 4-Chloroaniline-d4	10.76	131	215422	19.88	ng/ul	0.02
43) Dimethylphthalate-d6	13.87	166	756491	26.00	ng/ul	0.02
46) Acenaphthylene-d8	14.16	160	966008	26.55	ng/ul	0.03
51) 4-Nitrophenol-d4	14.70	143	94949	17.25	ng/ul	0.05
57) Fluorene-d10	15.46	176	611706	24.16	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.56	200	13305m	4.05	ng/ul	0.00
70) Anthracene-d10	17.32	188	736644	27.09	ng/ul	0.04
76) Pyrene-d10	19.62	212	572242	34.26	ng/ul	0.04
87) Benzo(a)pyrene-d12	23.59	264	486597	24.96	ng/ul	0.09

Target Compounds

				Ovalue	
6) Phenol	7.04	94	20507	1.26 ng/ul#	85
14) Acetophenone	8.64	105	38064	1.95 ng/ul#	61
24) 2,4-Dimethylphenol	9.83	107	98422m	7.71 ng/ul	
28) Naphthalene	10.67	128	232317	6.77 ng/ul	98
34) 2-Methylnaphthalene	12.29	142	58866	2.35 ng/ul	97
40) 1,1'-Biphenyl	13.30	154	40921	1.37 ng/ul#	82
44) Dimethylphthalate	13.92	163	351921	12.24 ng/ul#	94
47) Acenaphthylene	14.19	152	701838	18.99 ng/ul	94
49) Acenaphthene	14.53	153	75569	3.10 ng/ul#	90
53) Dibenzofuran	14.86	168	75628	2.17 ng/ul#	73
58) Fluorene	15.52	166	231212	8.30 ng/ul#	95
69) Phenanthrene	17.26	178	2319243	72.70 ng/ul	98
71) Anthracene	17.35	178	813395	25.02 ng/ul	96
72) Carbazole	17.62	167	109811	3.89 ng/ul#	51
74) Fluoranthene	19.29	202	4382068	122.04 ng/ul	98
77) Pyrene	19.66	202	4828794	227.76 ng/ul#	95
80) Benzo(a)anthracene	21.40	228	1964160	90.61 ng/ul#	87
82) Chrysene	21.45	228	1840795	89.25 ng/ul#	94
85) Benzo(b)fluoranthene	23.04	252	2052194m	83.34 ng/ul	
86) Benzo(k)fluoranthene	23.07	252	771275m	33.09 ng/ul	
88) Benzo(a)pyrene	23.65	252	2108679	88.28 ng/ul#	92
89) Indeno(1,2,3-cd)pyrene	26.12	276	1429000	50.36 ng/ul	97
90) Dibenzo(a,h)anthracene	26.12	278	316966	13.41 ng/ul#	68

Quantitation Report (QT/LSC Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(q,h,i)perylene	26.86	276	1379007	57.81	ng/ul	94

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