

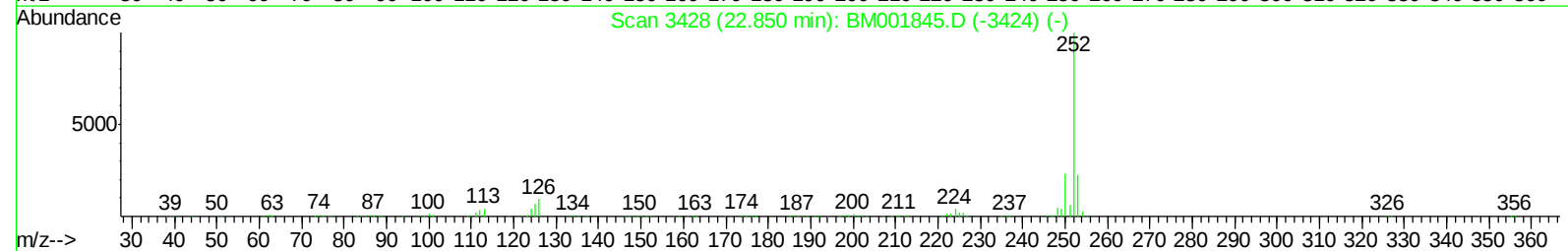
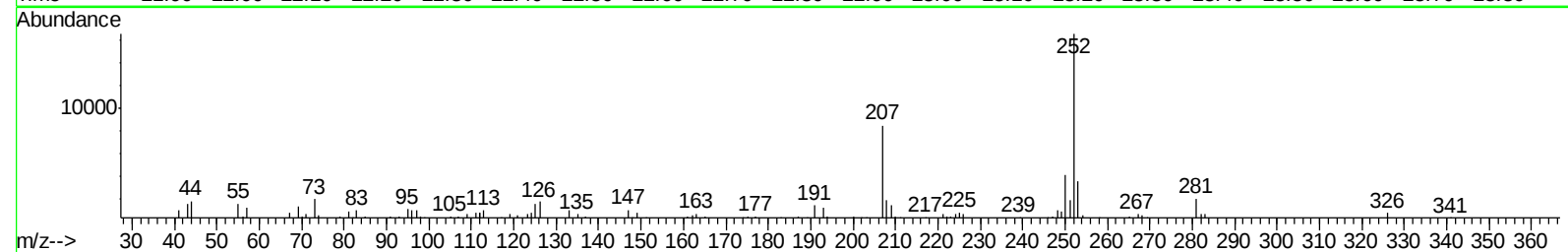
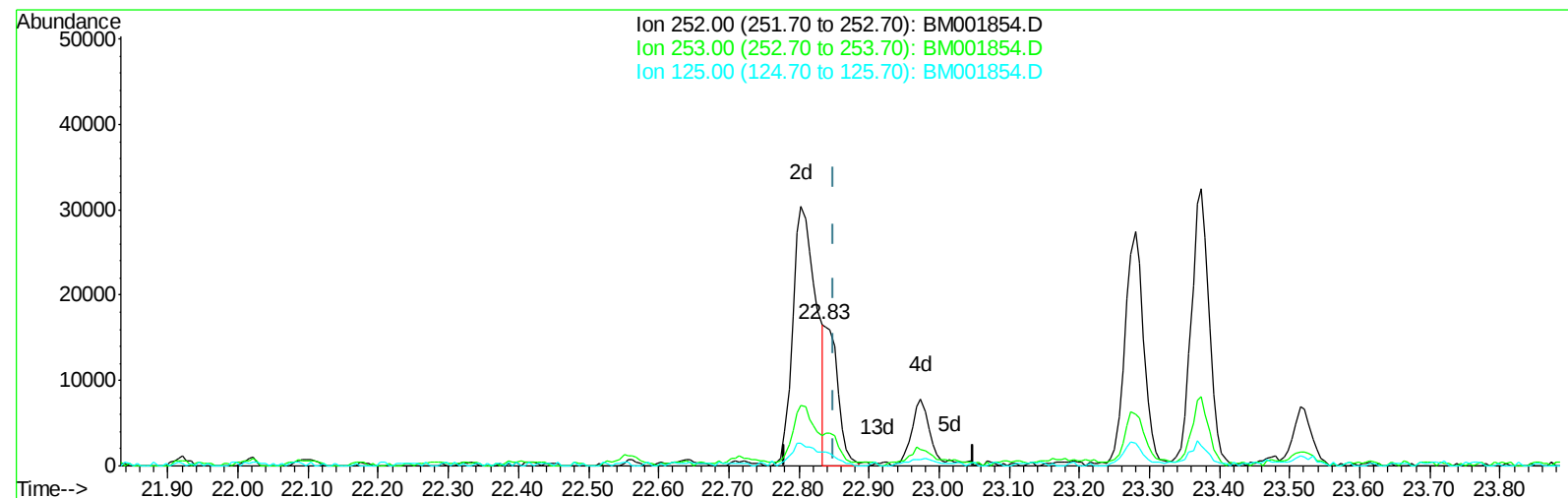
Data Path : Z:\HPCHEM1\BNA M\DATA\BM070615\
Data File : BM001854.D
Acq On : 07 Jul 2015 03:08
Operator : TP/UM
Sample : G2861-01 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
G93K7

Manual Integrations
APPROVED

apatel
7/8/2015 4:23:44 PM

Quant Time: Jul 07 18:45:03 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 07 04:02:33 2015
Response via : Initial Calibration



TIC: BM001854.D

(88) Benzo(k)fluoranthene

22.833min (-0.017) 1.06ng/ul m

response 22041

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	21.30
125.00	6.60	9.54#
0.00	0.00	0.00

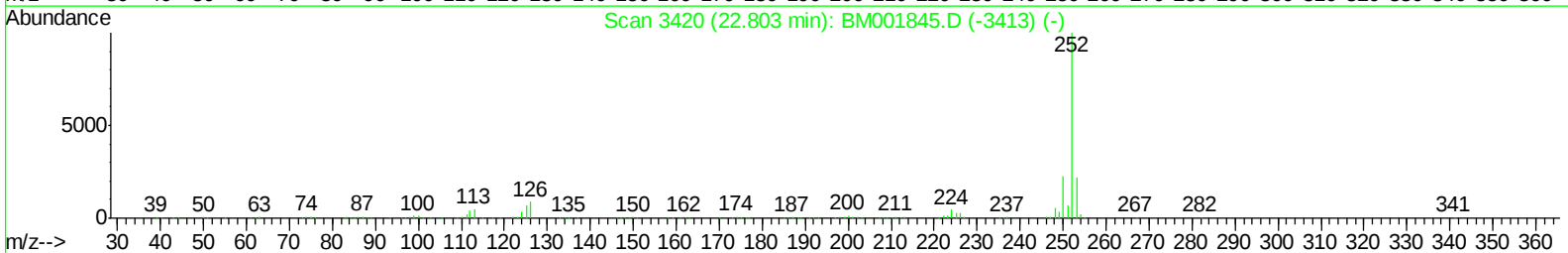
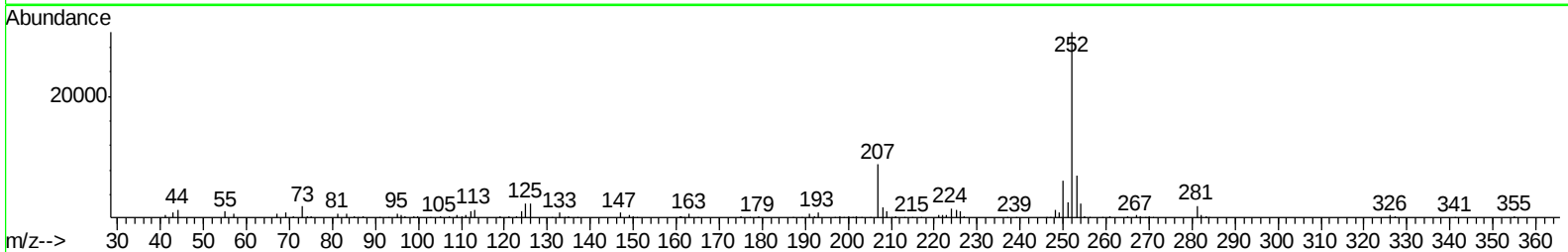
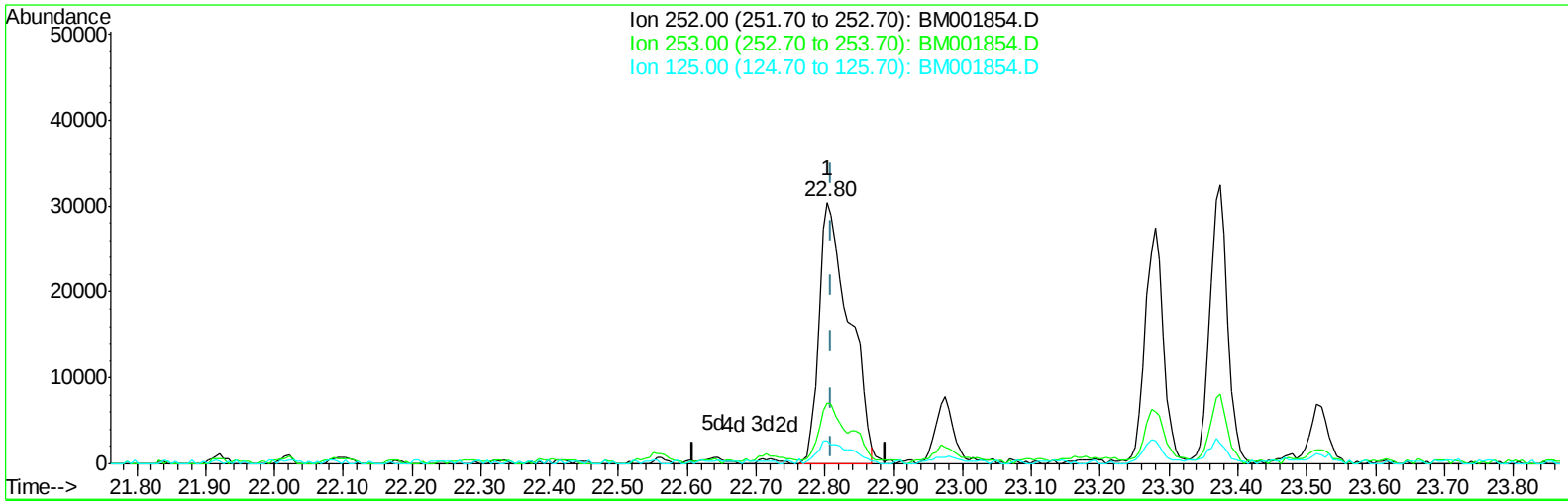
Data Path : Z:\HPCHEM1\BNA M\DATA\BM070615\
Data File : BM001854.D
Acq On : 07 Jul 2015 03:08
Operator : TP/UM
Sample : G2861-01 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
G93K7

Manual Integrations
APPROVED

apatel
7/8/2015 4:23:44 PM

Quant Time: Jul 07 18:45:03 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 07 04:02:33 2015
Response via : Initial Calibration



TIC: BM001854.D

(87) Benzo(b)fluoranthene
22.803min (-0.006) 4.27ng/ul
response 91992

Ion	Exp%	Act%
252.00	100	100
253.00	22.20	23.38
125.00	6.60	8.69#
0.00	0.00	0.00

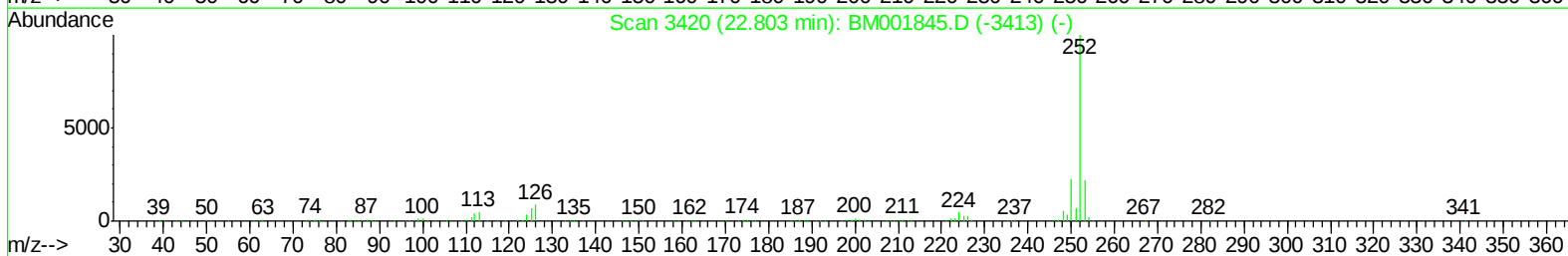
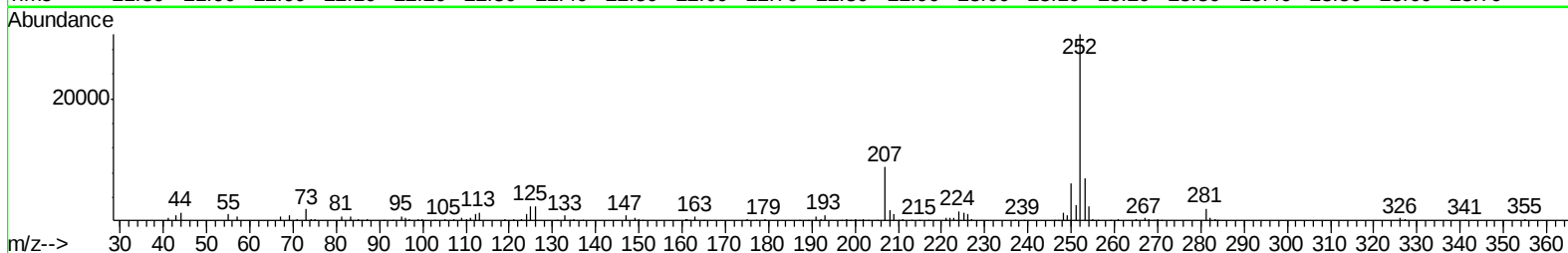
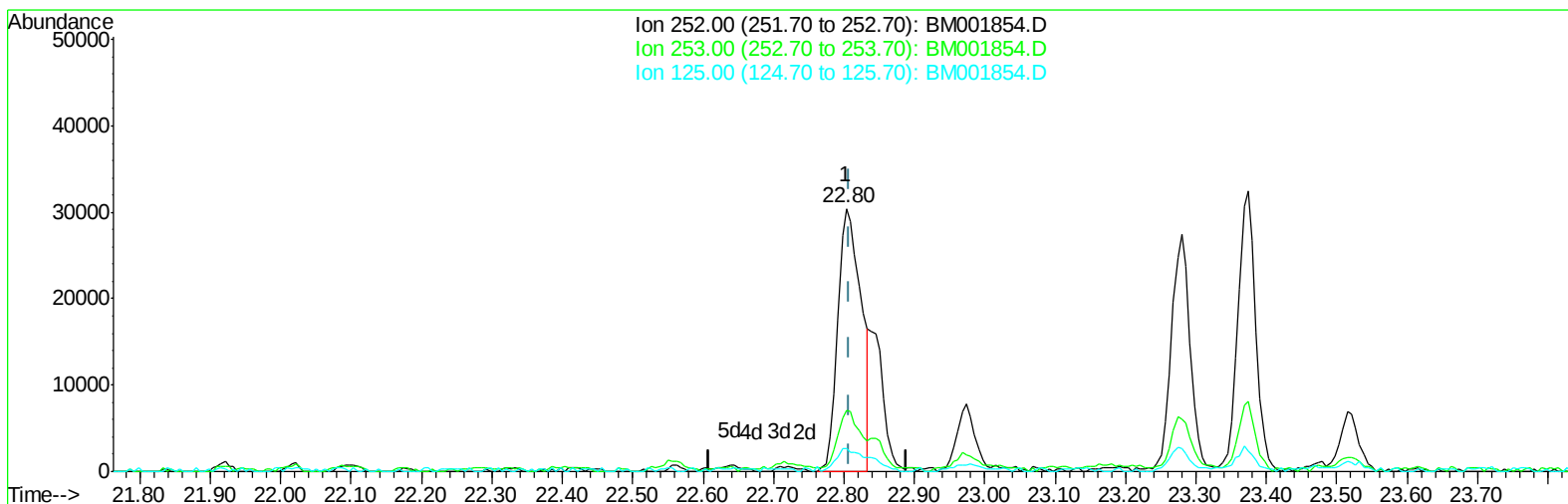
Data Path : Z:\HPCHEM1\BNA M\DATA\BM070615\
Data File : BM001854.D
Acq On : 07 Jul 2015 03:08
Operator : TP/UM
Sample : G2861-01 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
G93K7

Manual Integrations
APPROVED

apatel
7/8/2015 4:23:44 PM

Quant Time: Jul 07 18:45:03 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 07 04:02:33 2015
Response via : Initial Calibration



TIC: BM001854.D

(87) Benzo(b)fluoranthene

22.803min (-0.006) 3.27ng/ul m

response 70569

Ion	Exp%	Act%
252.00	100	100
253.00	22.20	23.38
125.00	6.60	8.69#
0.00	0.00	0.00

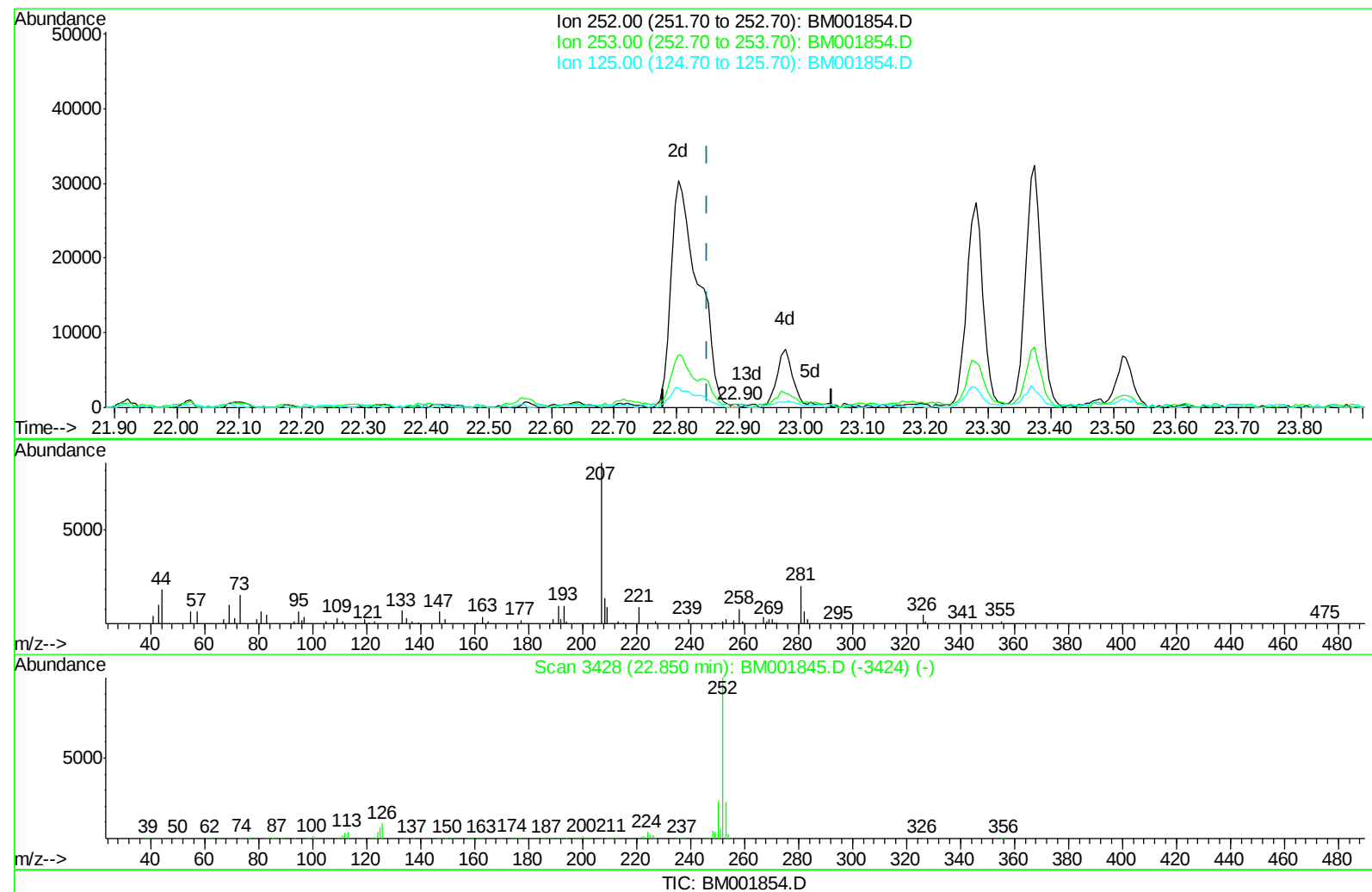
Data Path : Z:\HPCHEM1\BNA M\DATA\BM070615\
Data File : BM001854.D
Acq On : 07 Jul 2015 03:08
Operator : TP/UM
Sample : G2861-01 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
G93K7

Manual Integrations
APPROVED

apatel
7/8/2015 4:23:44 PM

Quant Time: Jul 07 18:45:03 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 07 04:02:33 2015
Response via : Initial Calibration



(88) Benzo(k)fluoranthene

22.897min (+0.047) 0.01ng/ul

response 272

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	131.52#
125.00	6.60	0.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\Data\BM070615\
 Data File : BM001854.D
 Acq On : 07 Jul 2015 03:08
 Operator : TP/UM
 Sample : G2861-01 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G93K7

Manual Integrations
 APPROVED

apatel
 7/8/2015 4:23:44 PM

Quant Time: Jul 08 07:23:55 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM061515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 07 04:02:33 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	53272	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	210769	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	130768	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	310913	20.00	ng/ul	0.00
77) Chrysene-d12	21.25	240	362002	20.00	ng/ul	0.00
85) Perylene-d12	23.47	264	370231	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.83	99	5563	1.36	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	3442	1.50	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	4876	1.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	3421	1.04	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	2310	1.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	2557	1.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	4715	1.38	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	2951	0.85	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	14577	1.50	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	17700	1.39	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	799	0.45	ng/ul	0.00
57) Fluorene-d10	15.31	176	13930	1.55	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	906	0.48	ng/ul	0.00
70) Anthracene-d10	17.16	188	21501	1.48	ng/ul	0.00
78) Pyrene-d10	19.46	212	22334	1.46	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.33	264	19105	1.17	ng/ul	0.00

Target Compounds

					Ovalue
69) Phenanthrene	17.10	178	40219	2.39	ng/ul 95
76) Fluoranthene	19.12	202	79485	3.94	ng/ul 98
79) Pyrene	19.49	202	124859	6.22	ng/ul 98
82) Benzo(a)anthracene	21.23	228	64447	3.05	ng/ul 95
84) Chrysene	21.29	228	71753	3.58	ng/ul 98
87) Benzo(b)fluoranthene	22.80	252	70569m	3.27	ng/ul
88) Benzo(k)fluoranthene	22.83	252	22041m	1.06	ng/ul
90) Benzo(a)pyrene	23.37	252	58166	2.77	ng/ul 94
91) Indeno(1,2,3-cd)pyrene	25.70	276	39778	1.60	ng/ul# 93
93) Benzo(g,h,i)perylene	26.39	276	41460	1.98	ng/ul# 96

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

Data Path : Z:\HPCHEM1\BNA M\Data\BM070615\
Data File : BM001854.D
Acq On : 07 Jul 2015 03:08
Operator : TP/UM
Sample : G2861-01 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
G93K7

Manual Integrations
APPROVED

apatel
7/8/2015 4:23:44 PM

Quant Time: Jul 08 07:23:55 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 07 04:02:33 2015
Response via : Initial Calibration

