

Instrument :
BNA_M
ClientSampleId :
F9B09

Sohil
12/12/2017 3:57:12 PM

TIC: BM013321.D

The chromatogram displays a series of peaks over a 28-minute period. The baseline is relatively flat until approximately 16 minutes, after which it rises significantly, indicating a complex mixture of compounds. Key peaks include:

- Bis(2-chlorophenyl) ether-d8, S at ~7.5 min
- 1,4-Dichlorobenzene-d4, I at ~8.0 min
- 4-Methylphenol-d8, S at ~9.0 min
- Nitrobenzene-d5, S at ~9.5 min
- 2-Nitrophenol-d4, S at ~10.5 min
- 2,4-Dichlorophenol-d3, S at ~10.8 min
- 4-Chloroaniline-d4, Naphthalene-d8, I at ~10.8 min
- Dimethylphthalate-d8, S at ~14.0 min
- Acenaphthylene-d6, S at ~14.2 min
- Acenaphthene-d10, I at ~14.5 min
- 4-Nitrophenol-d4, S at ~14.8 min
- 4,6-Dinitro-2-methylphenol-d2, S at ~15.5 min
- Phenanthrene-d10, I at ~17.5 min
- Phenanthrene-d10, S at ~17.8 min
- Carbazole at ~18.0 min
- Pyrene-d10, S at ~19.5 min
- Fluoranthene-C at ~20.0 min
- Benzo(a)pyrene at ~21.5 min
- Benzo(b)fluoranthene at ~22.5 min
- Benzo(k)fluoranthene at ~23.0 min
- Benzo(a)pyrene-C at ~23.5 min
- Pyrene-d12, I at ~23.8 min
- Dibenz(a,h)pyrene at ~25.5 min
- Benzo(g,h,i)perylene at ~26.5 min

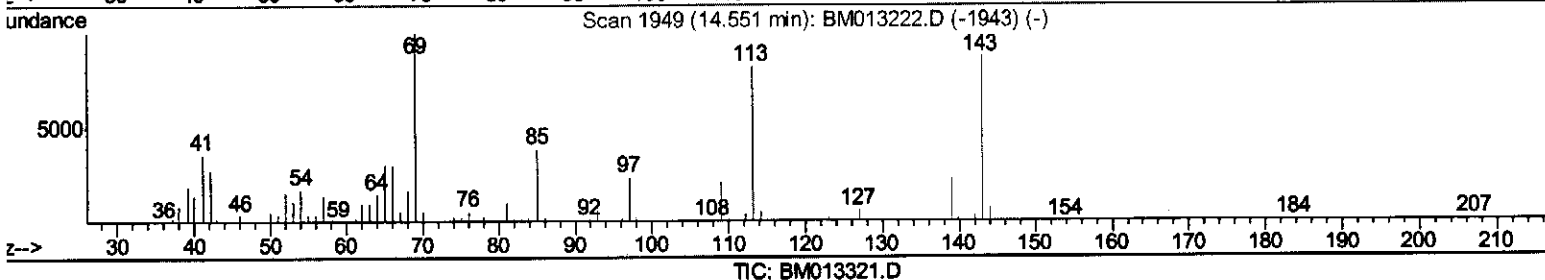
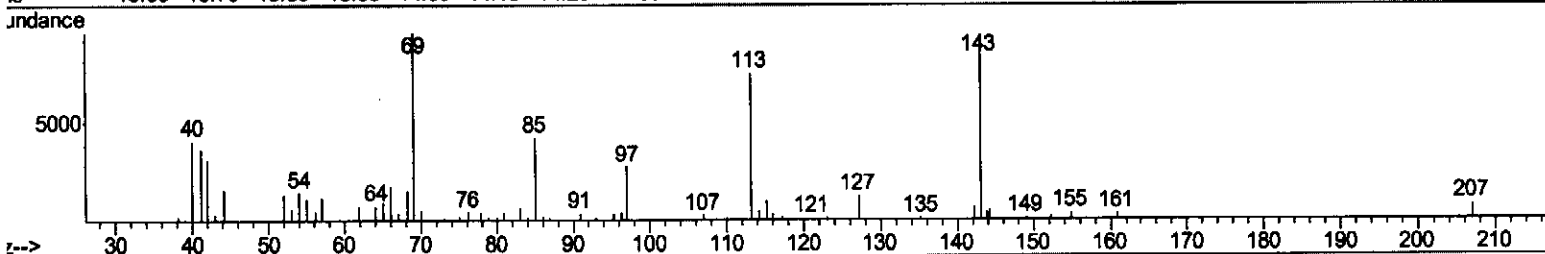
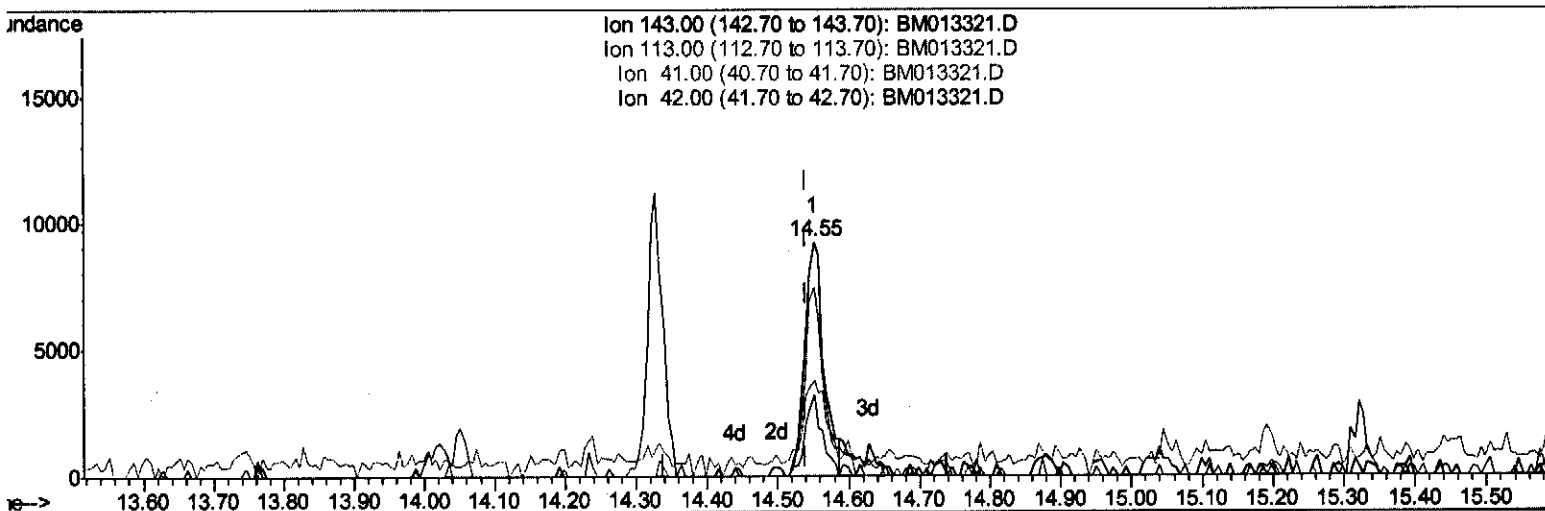
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121117\
 Data File : BM013321.D
 Acq On : 12 Dec 2017 01:21
 Operator : SJ/JU
 Sample : I6758-08 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
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Manual Integrations
 APPROVED

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Quant Time: Dec 12 02:15:25 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 12 02:07:09 2017
 Response via : Initial Calibration



(51) 4-Nitrophenol-d4 (S)

14.551min (+0.011) 2.42ng/ul

response 17369

Ion	Exp%	Act%
143.00	100	100
113.00	114.60	80.21#
41.00	34.80	40.86
42.00	20.50	34.79#

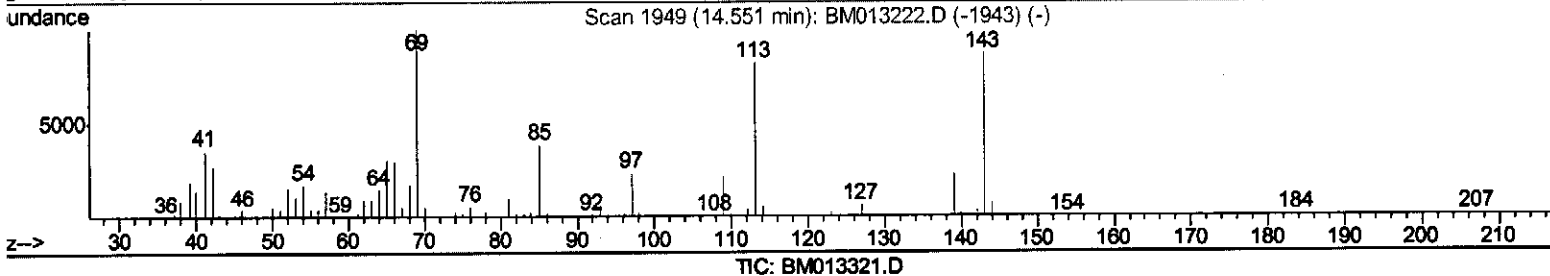
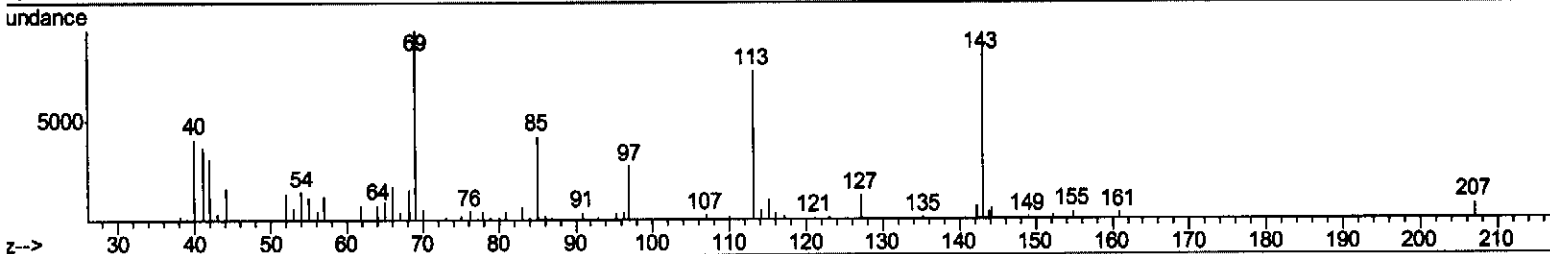
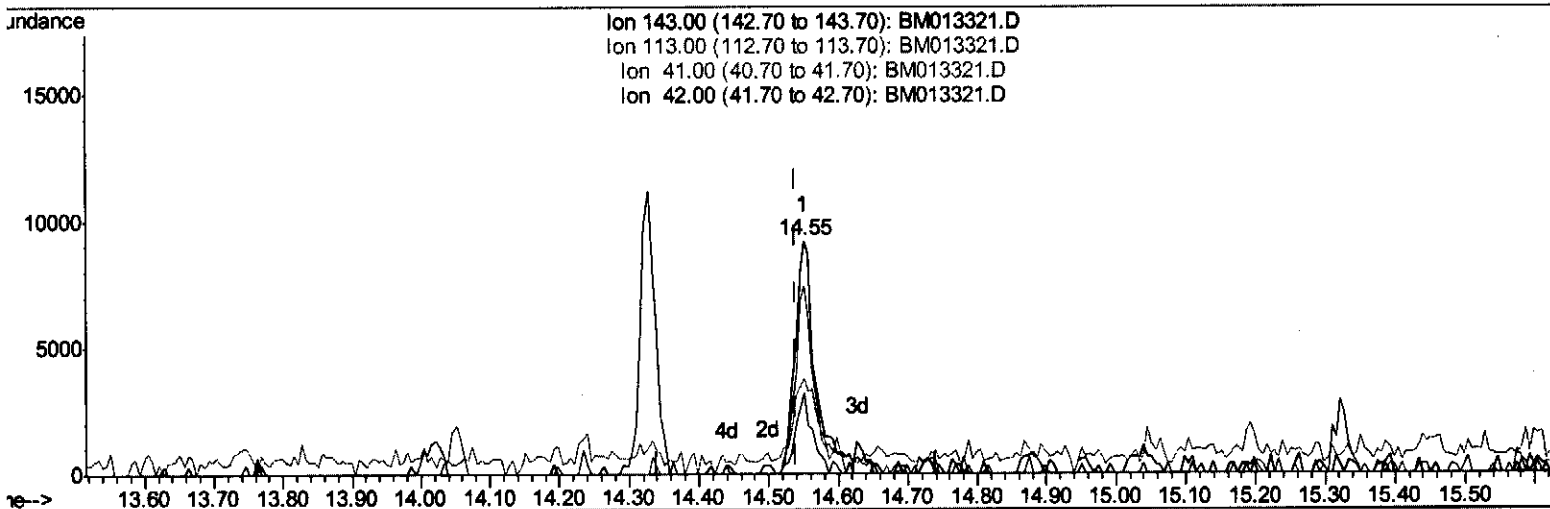
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(51) 4-Nitrophenol-d4 (S)

14.551min (+0.011) 2.66ng/ul m

response 19085

Ion	Exp%	Act%
143.00	100	100
113.00	114.60	80.21#
41.00	34.80	40.86
42.00	20.50	34.79#

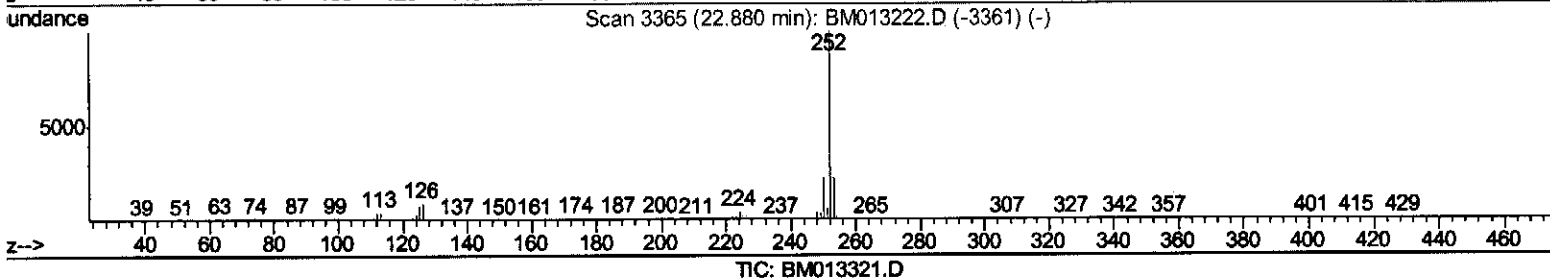
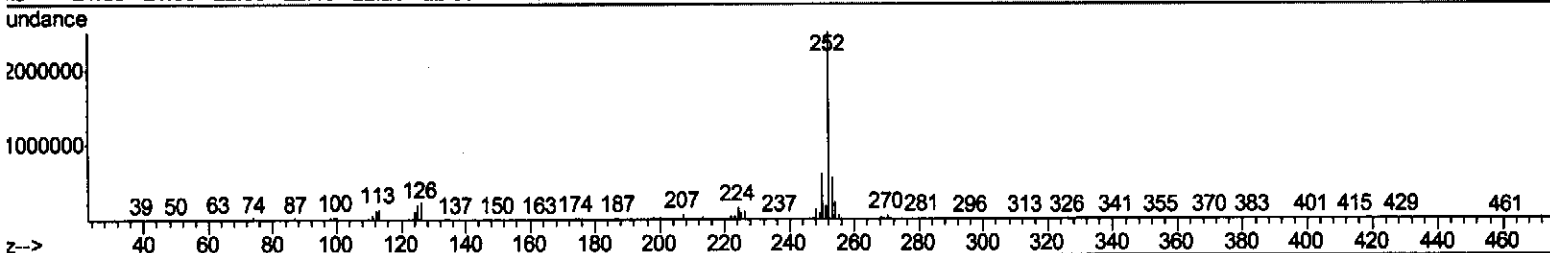
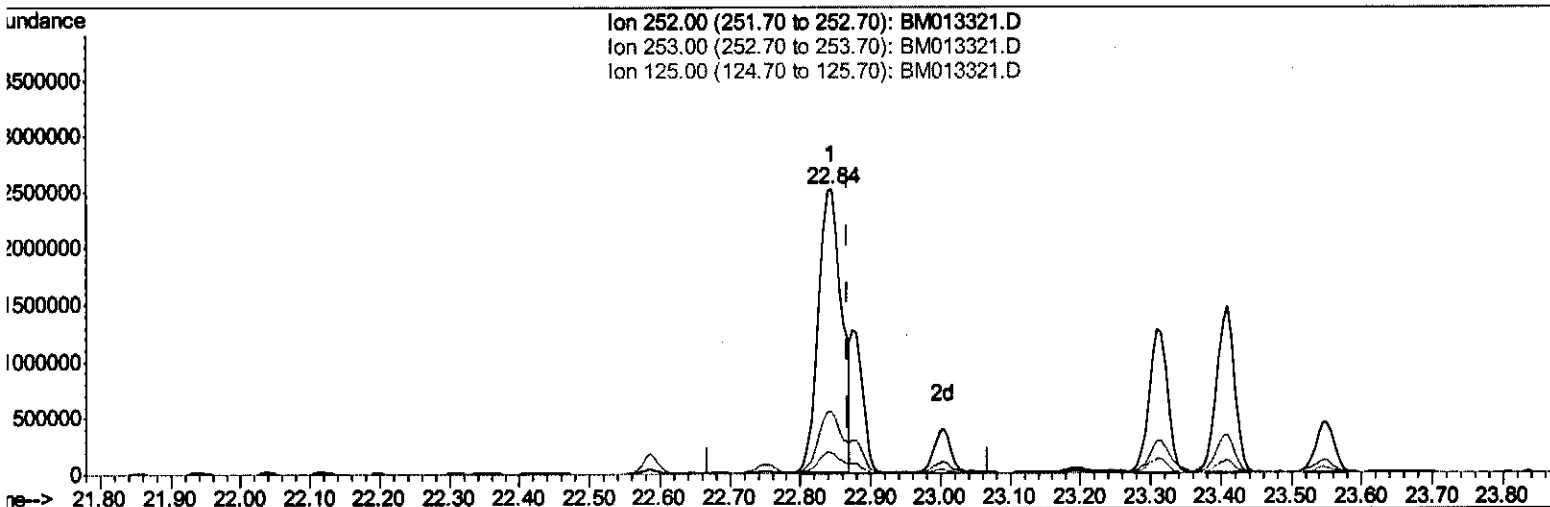
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Sohil
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Quant Time: Dec 12 04:00:04 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 12 02:07:09 2017
 Response via : Initial Calibration



(86) Benzo(k)fluoranthene

22.845min (-0.024) 66.76ng/ul

response 5839314

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	21.97
125.00	4.30	7.31#
0.00	0.00	0.00

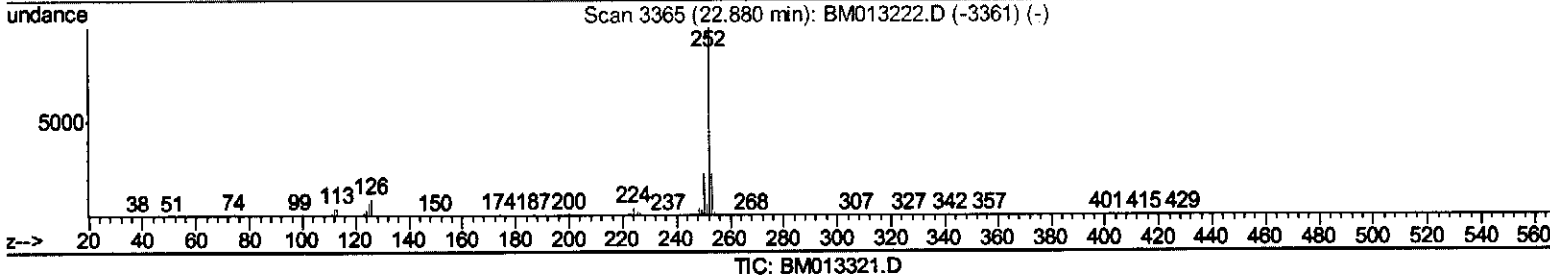
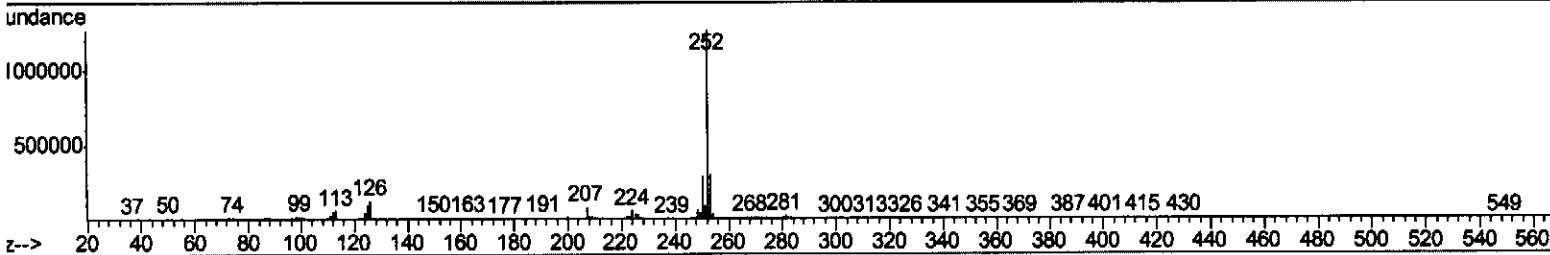
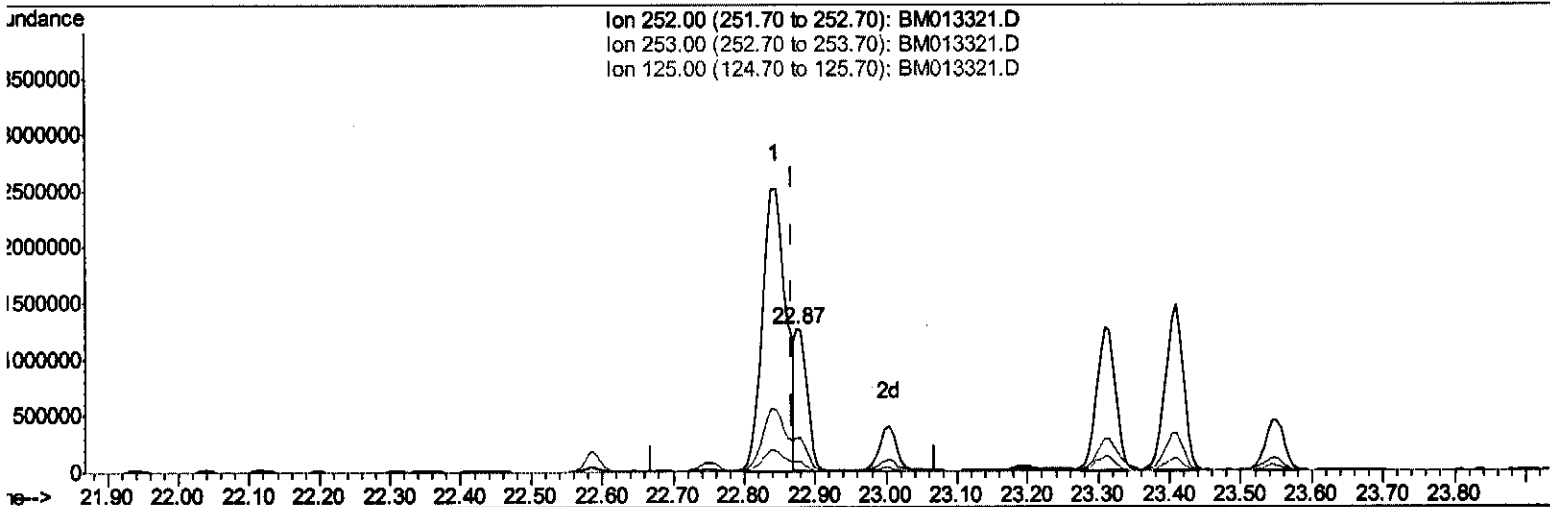
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 Data File : BM013321.D
 Acq On : 12 Dec 2017 01:21
 Operator : SJ/JU
 Sample : I6758-08 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
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Manual Integrations
 APPROVED

Sohil
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Quant Time: Dec 12 04:00:04 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 12 02:07:09 2017
 Response via : Initial Calibration



(86) Benzo(k)fluoranthene

22.874min (+0.006) 16.91ng/ul m

response 1479102

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	23.47
125.00	4.30	7.45#
0.00	0.00	0.00

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Manual Integrations
 APPROVED

Sohil
 12/12/2017 3:57:12 PM

Quant Time: Dec 12 04:02:09 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 Last Update : Tue Dec 12 02:07:09 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	167611	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	756008	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	463884	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.08	188	1117270	20.00	ng/ul	0.00
75) Chrysene-d12	21.27	240	1393899	20.00	ng/ul	0.00
83) Perylene-d12	23.50	264	1378706	20.00	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.23	96	2059	0.61	ng/uL	0.00
5) Phenol-d5	6.87	99	44797	3.09	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	26684	3.23	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	34072	3.01	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	38250	3.09	ng/ul	0.00
19) Nitrobenzene-d5	8.84	128	19022	3.17	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	20837	3.25	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	38683	2.93	ng/ul	0.00
29) 4-Chloroaniline-d4	10.61	131	35795	2.95	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	140214	3.40	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	167962	3.30	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	19085m	2.66	ng/ul	0.01
57) Fluorene-d10	15.32	176	126348	3.56	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	14456	2.06	ng/ul	0.00
70) Anthracene-d10	17.17	188	202300	3.62	ng/ul	0.00
76) Pyrene-d10	19.47	212	227826	3.28	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.36	264	223028	3.18	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
47) Acenaphthylene	14.05	152	458203	9.720	ng/ul	98
69) Phenanthrene	17.12	178	140202	2.209	ng/ul	97
71) Anthracene	17.21	178	436564	6.729	ng/ul	99
72) Carbazole	17.48	167	118383	2.121	ng/ul	97
74) Fluoranthene	19.14	202	1909358	24.546	ng/ul#	92
77) Pyrene	19.50	202	2195900	25.931	ng/ul#	92
80) Benzo(a)anthracene	21.26	228	2064843	23.348	ng/ul	94
82) Chrysene	21.31	228	3097763	37.755	ng/ul	98
85) Benzo(b)fluoranthene	22.84	252	5839314	62.828	ng/ul#	98
86) Benzo(k)fluoranthene	22.87	252	1479102m	16.911	ng/ul	97
88) Benzo(a)pyrene	23.41	252	2612387	31.290	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.74	276	2130593	25.720	ng/ul#	97
90) Dibenzo(a,h)anthracene	25.74	278	592598	8.401	ng/ul#	88
91) Benzo(g,h,i)perylene	26.43	276	1768823	27.070	ng/ul#	95

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