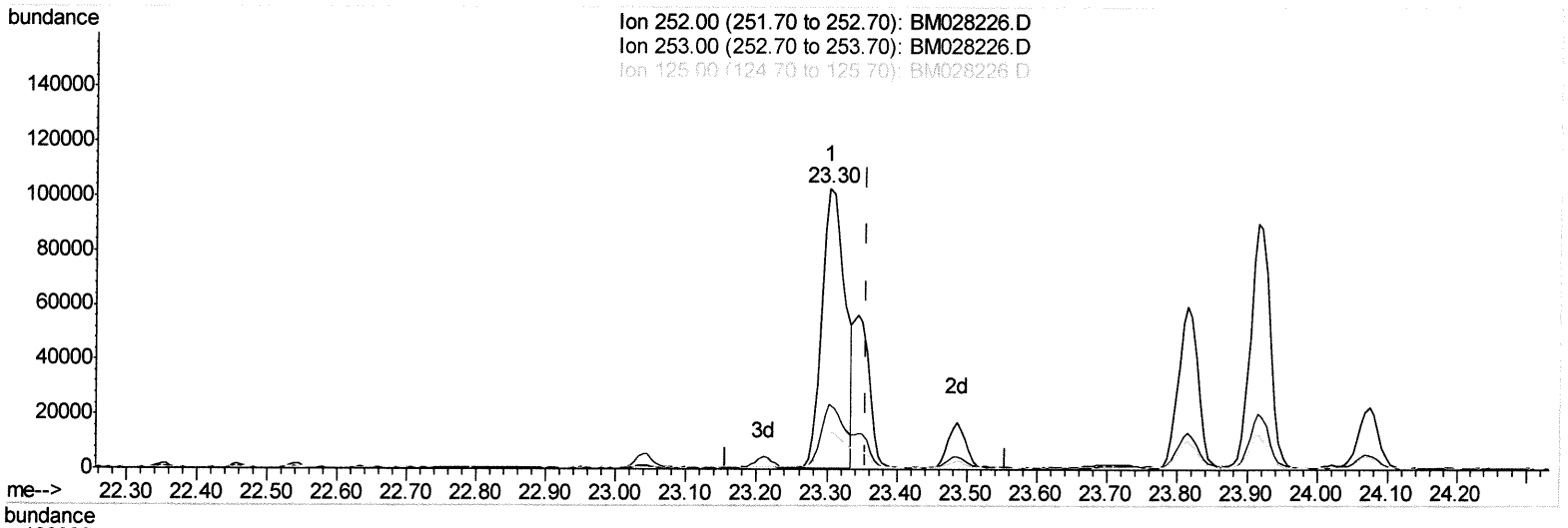
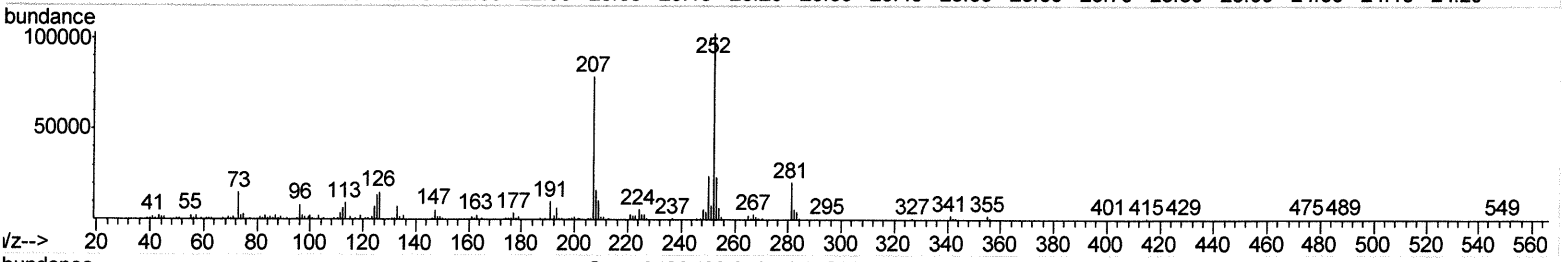
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122120\
Data File : BM028226.D
Acq On : 22 Dec 2020 02:32
Operator : JU/CG
Sample : L5110-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 22 03:11:23 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121520MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 22 01:47:53 2020
Response via : Initial Calibration

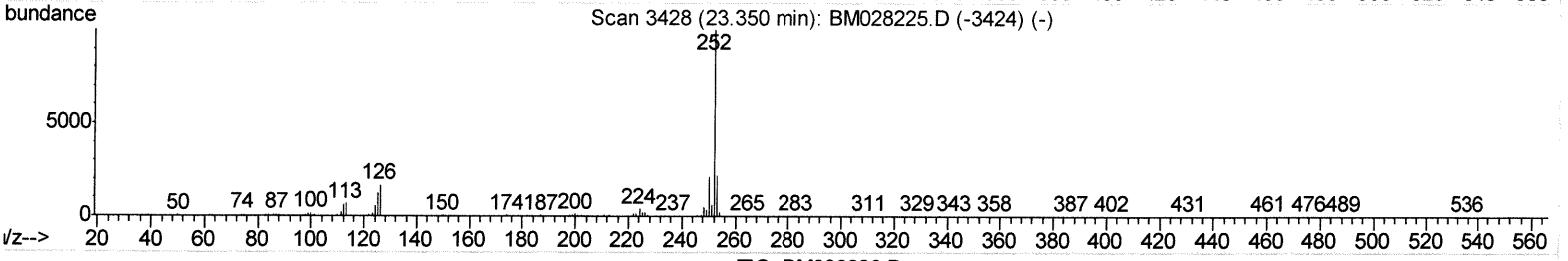
Instrument :
BNA_M
ClientSampleId :
A54M8

Manual Integrations APPROVED
mohammad
12/23/2020 12:32:01 PM





Scan 3428 (23.350 min): BM028225.D (-3424) (-)



TIC: BM028226.D

(89) Benzo(k)fluoranthene

23.303min (-0.053) 6.84ng/ul

response 234153

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	23.05
125.00	11.30	13.03
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122120\
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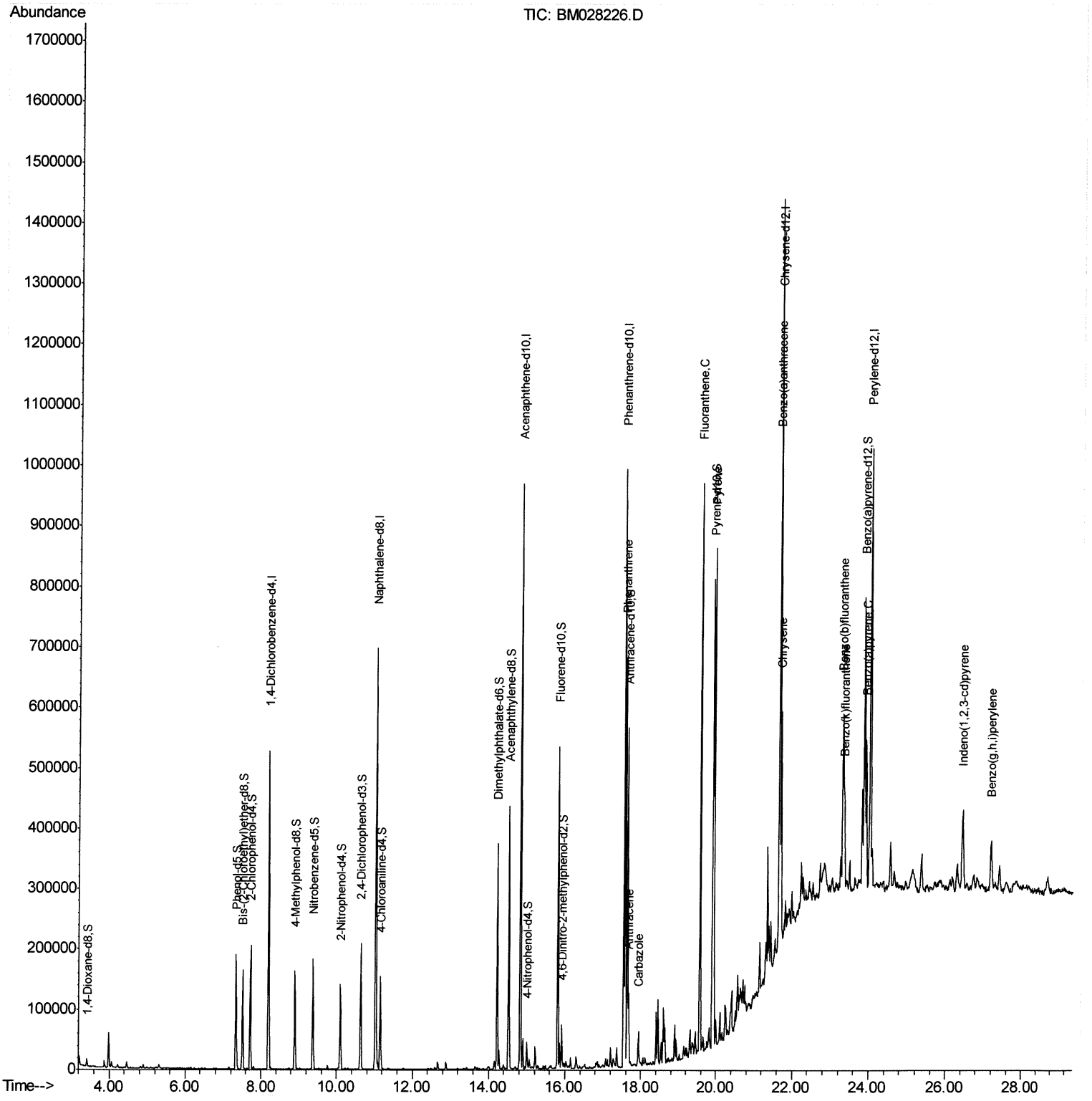
Acq On : 22 Dec 2020 02:32
Operator : JU/CG
Sample : L5110-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 22 03:14:01 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121520MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 22 01:47:53 2020
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A54M8

Manual Integrations APPROVED
mohammad
12/23/2020 12:32:01 PM

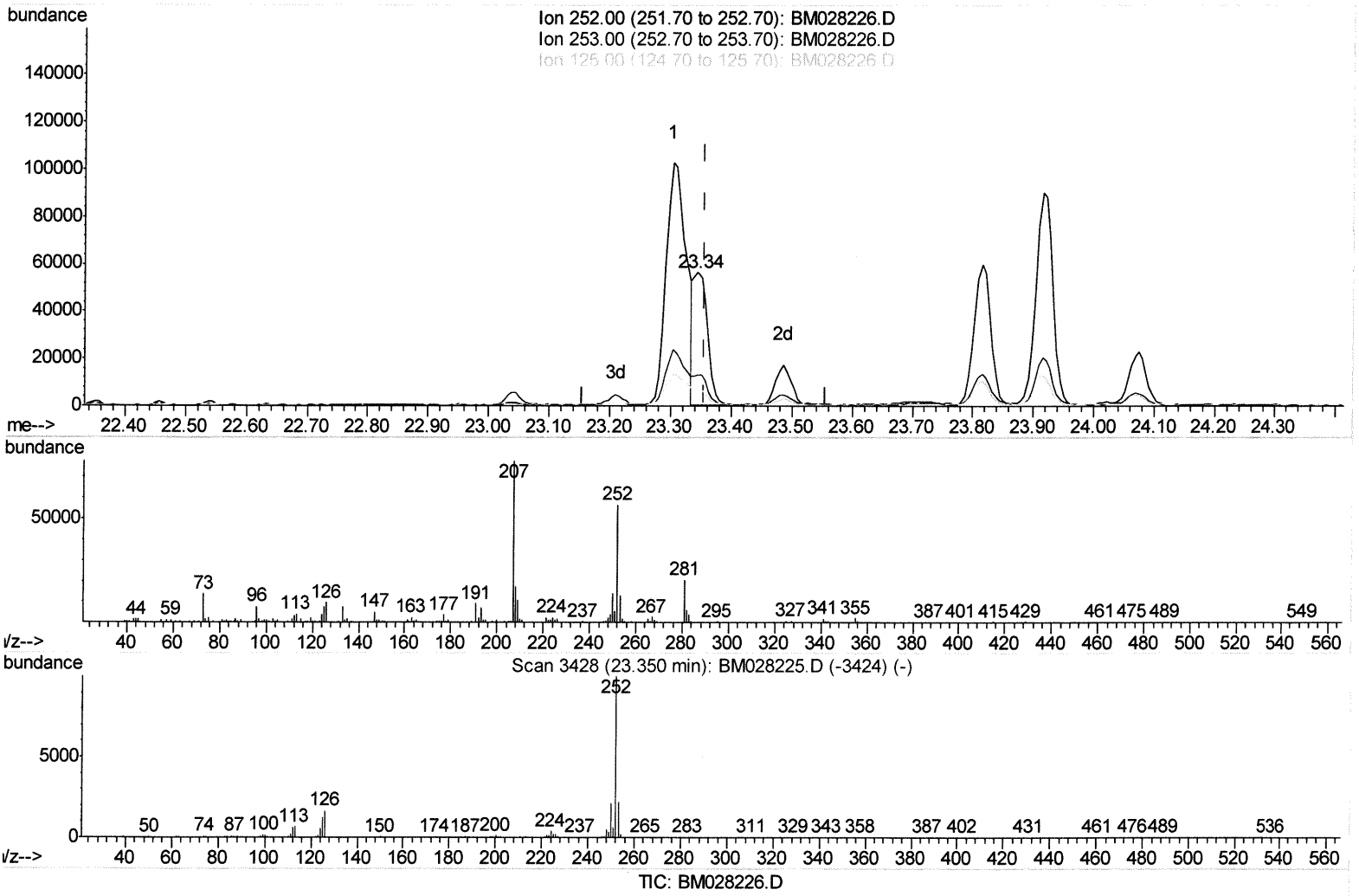


Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122120\
Data File : BM028226.D
Acq On : 22 Dec 2020 02:32
Operator : JU/CG
Sample : L5110-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 22 03:11:23 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121520MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 22 01:47:53 2020
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
A54M8

Manual Integrations APPROVED
mohammad
12/23/2020 12:32:01 PM



(89) Benzo(k)fluoranthene

23.345min (-0.012) 2.60ng/ul m

response 88935

12/28/20

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	23.29
125.00	11.30	13.51
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122120\
Data File : BM028226.D
Acq On : 22 Dec 2020 02:32
Operator : JU/CG
Sample : L5110-19
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A54M8

Manual Integrations APPROVED
mohammad
12/23/2020 12:32:01 PM

Quant Time: Dec 22 03:14:01 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121520MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 22 01:47:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	138154	20.00	ng/ul	0.00
18) Naphthalene-d8	11.03	136	565922	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.83	164	303883	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	567413	20.00	ng/ul	0.00
78) Chrysene-d12	21.66	240	499595	20.00	ng/ul	0.00
86) Perylene-d12	24.02	264	510848	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.42	96	5924	1.70	ng/uL	0.00
5) Phenol-d5	7.33	99	99716	8.57	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.51	67	71451	9.69	ng/ul	0.00
9) 2-Chlorophenol-d4	7.72	132	92086	9.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.90	113	60236	6.34	ng/ul	0.00
19) Nitrobenzene-d5	9.37	128	42647	9.61	ng/ul	0.00
22) 2-Nitrophenol-d4	10.10	143	42525	9.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.64	165	72536	7.93	ng/ul	0.00
29) 4-Chloroaniline-d4	11.16	131	80676	7.44	ng/ul	0.00
44) Dimethylphthalate-d6	14.22	166	231228	9.88	ng/ul	0.00
47) Acenaphthylene-d8	14.52	160	289848	9.87	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	10536	2.48	ng/ul	0.00
58) Fluorene-d10	15.81	176	203441	9.71	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.92	200	13319	3.94	ng/ul	0.00
71) Anthracene-d10	17.64	188	286844	10.19	ng/ul	0.00
79) Pyrene-d10	19.90	212	310233	11.13	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.87	264	305357	10.85	ng/ul	0.00
Target Compounds						Qvalue
70) Phenanthrene	17.59	178	393855	11.466	ng/ul	99
72) Anthracene	17.68	178	72910	2.086	ng/ul	98
75) Carbazole	17.94	167	32232	1.105	ng/ul	99
77) Fluoranthene	19.57	202	541277	14.930	ng/ul	99
80) Pyrene	19.93	202	481069	12.778	ng/ul	97
83) Benzo(a)anthracene	21.64	228	214803	6.415	ng/ul	99
85) Chrysene	21.69	228	205690	6.250	ng/ul	98
88) Benzo(b)fluoranthene	23.30	252	234153	6.779	ng/ul	96
89) Benzo(k)fluoranthene	23.34	252	88935m>	2.596	ng/ul	>541 12/28/20
91) Benzo(a)pyrene	23.92	252	173465	5.572	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	26.44	276	113845	3.202	ng/ul	95
94) Benzo(g,h,i)perylene	27.19	276	93937	3.146	ng/ul	97

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