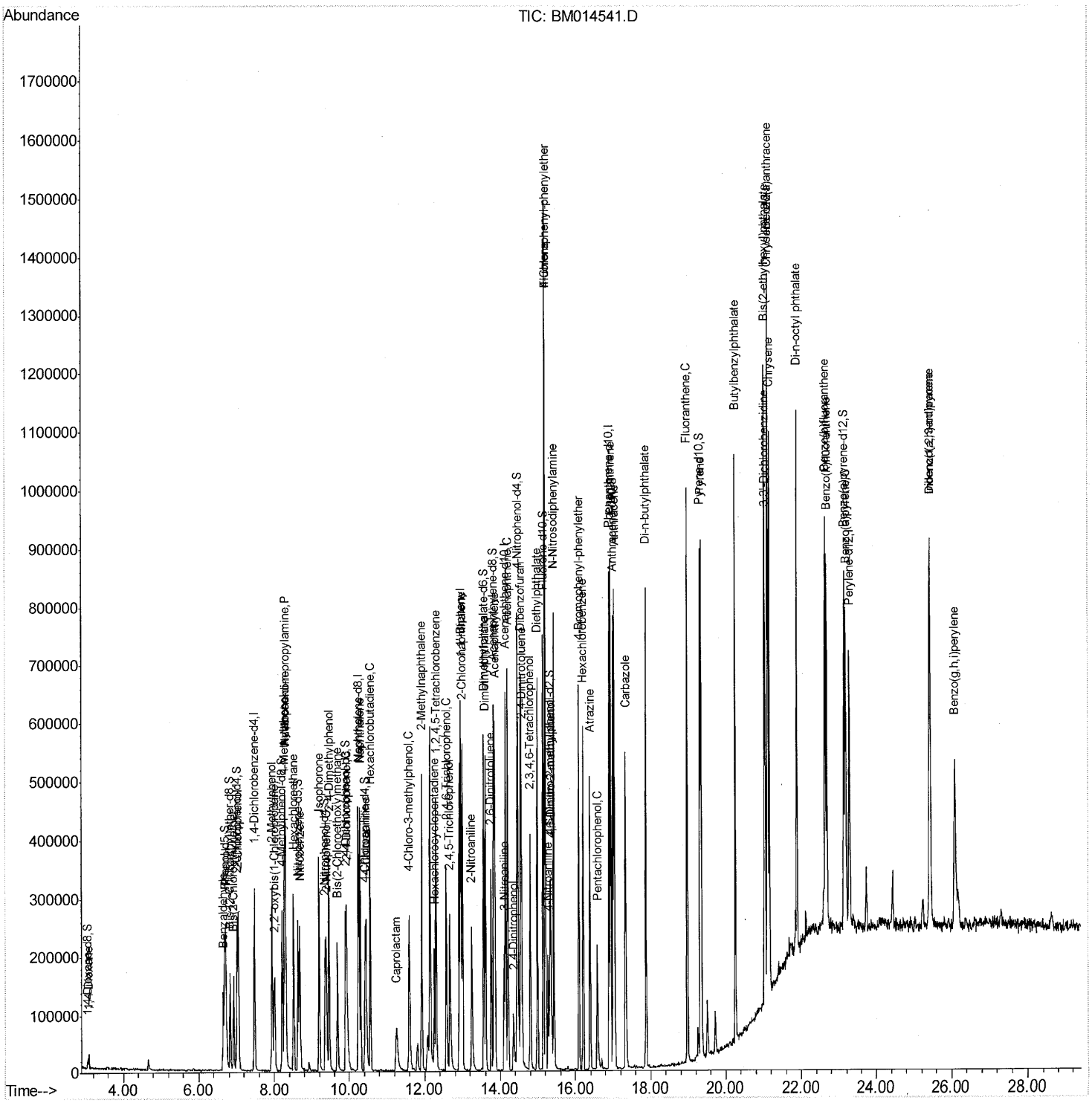
Data Path : Z:\HPCHEM1\BNA_M\Data\BM031318\
Data File : BM014541.D
Acq On : 13 Mar 2018 11:20
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 11:05:40 2018
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 14 02:08:18 2018
Response via : Initial Calibration

Instrument :
BNA_M
LabSampleId :
SSTD02039

Manual Integrations APPROVED
Sohil
3/14/2018 1:35:30 PM



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Data File : BM014541.D
Acq On : 13 Mar 2018 11:20
Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 11:02:54 2018
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
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Manual Integrations APPROVED
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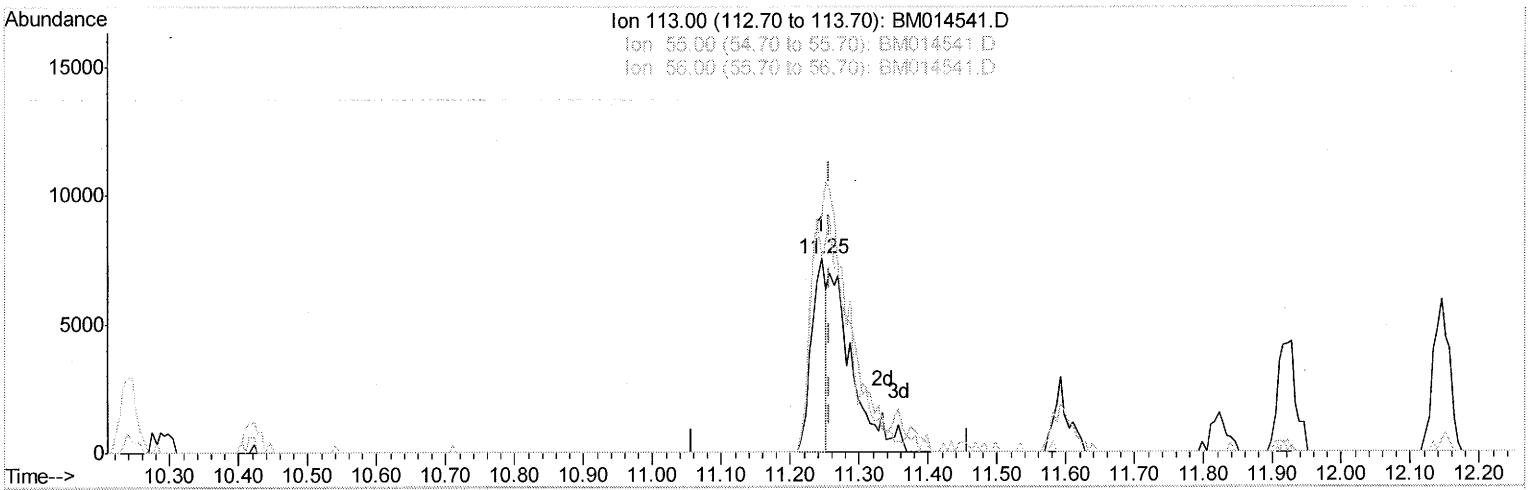

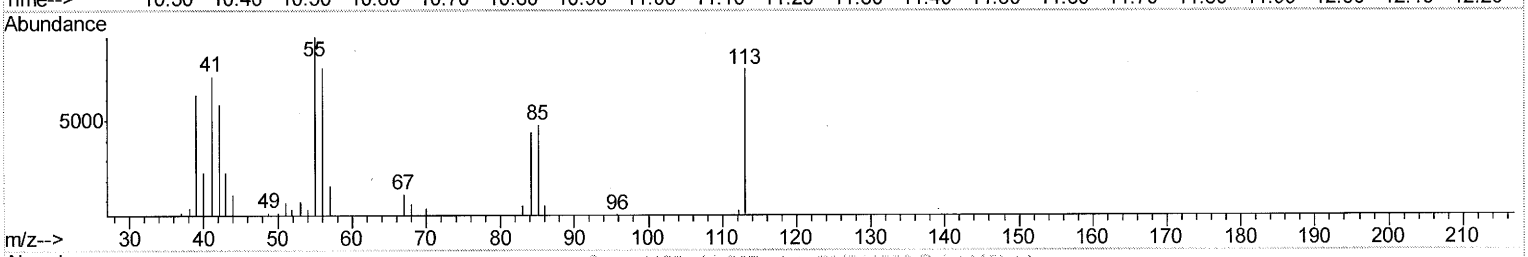

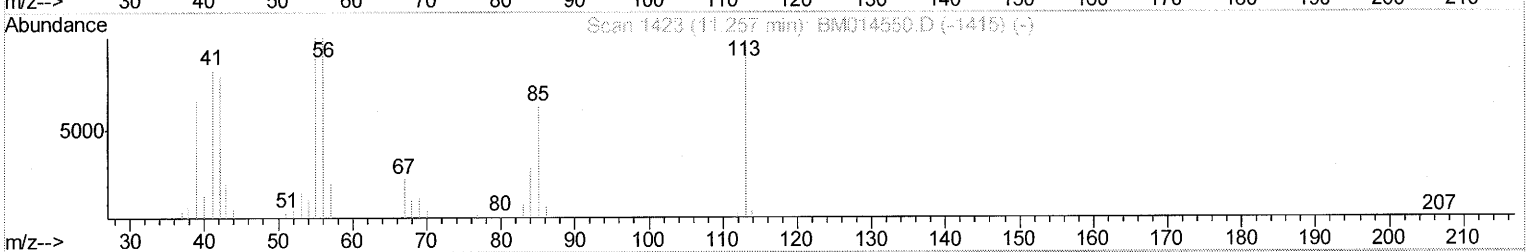

TIC: BM014541.D

(32) Caprolactam

11.245min (-0.012) 7.57ng/ul

response 11103

Ion	Exp%	Act%
113.00	100	100
55.00	260.00	120.84#
56.00	200.00	100.74#
0.00	0.00	0.00

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Sohil
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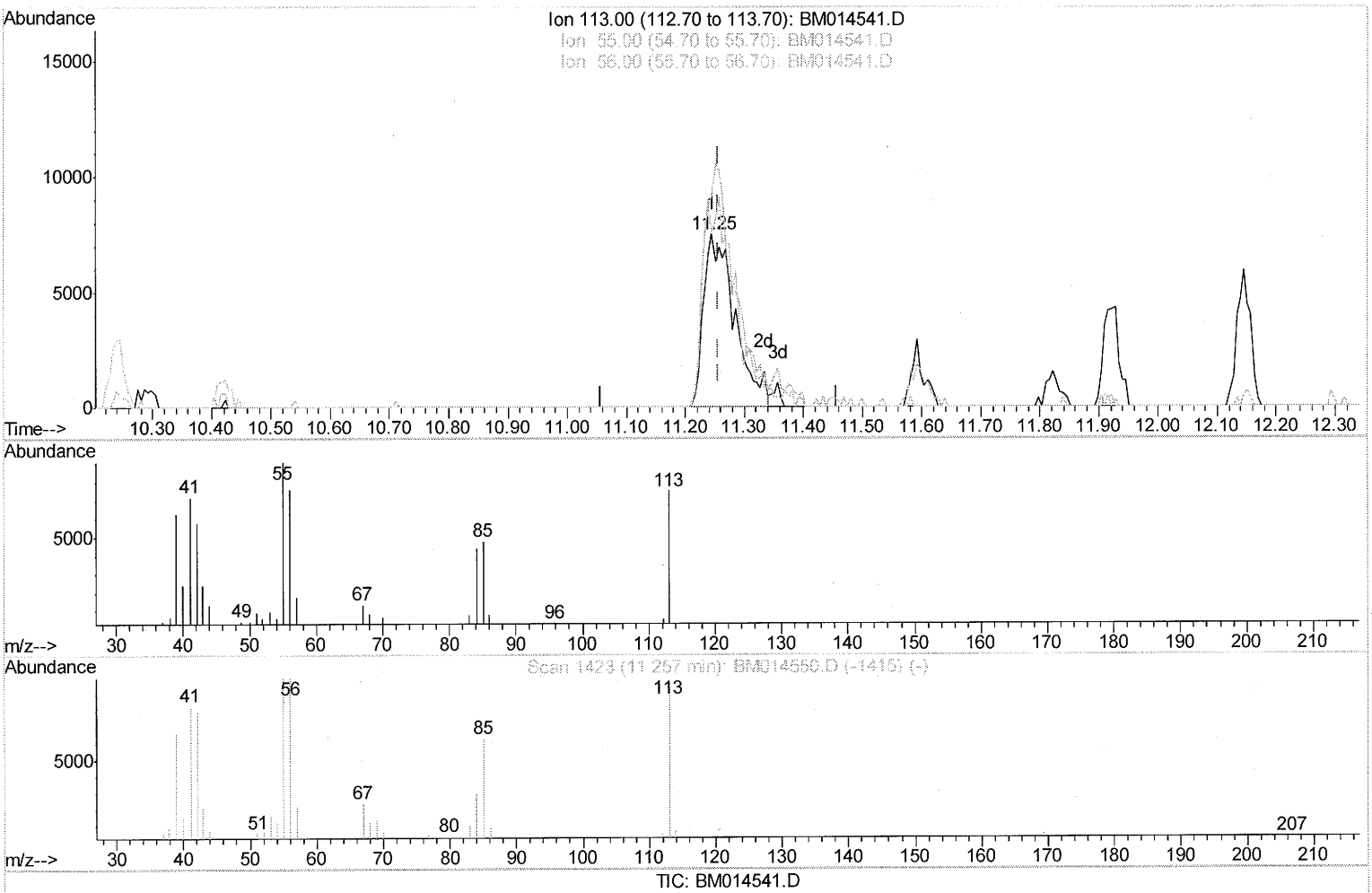

TIC: BM014541.D

(32) Caprolactam

11.245min (-0.012) 18.82ng/ul m SJ 03/14/18

response 27605

Ion	Exp%	Act%
113.00	100	100
55.00	260.00	120.84#
56.00	200.00	100.74#
0.00	0.00	0.00

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Operator : SJ/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

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Instrument :
BNA_M
LabSampleId :
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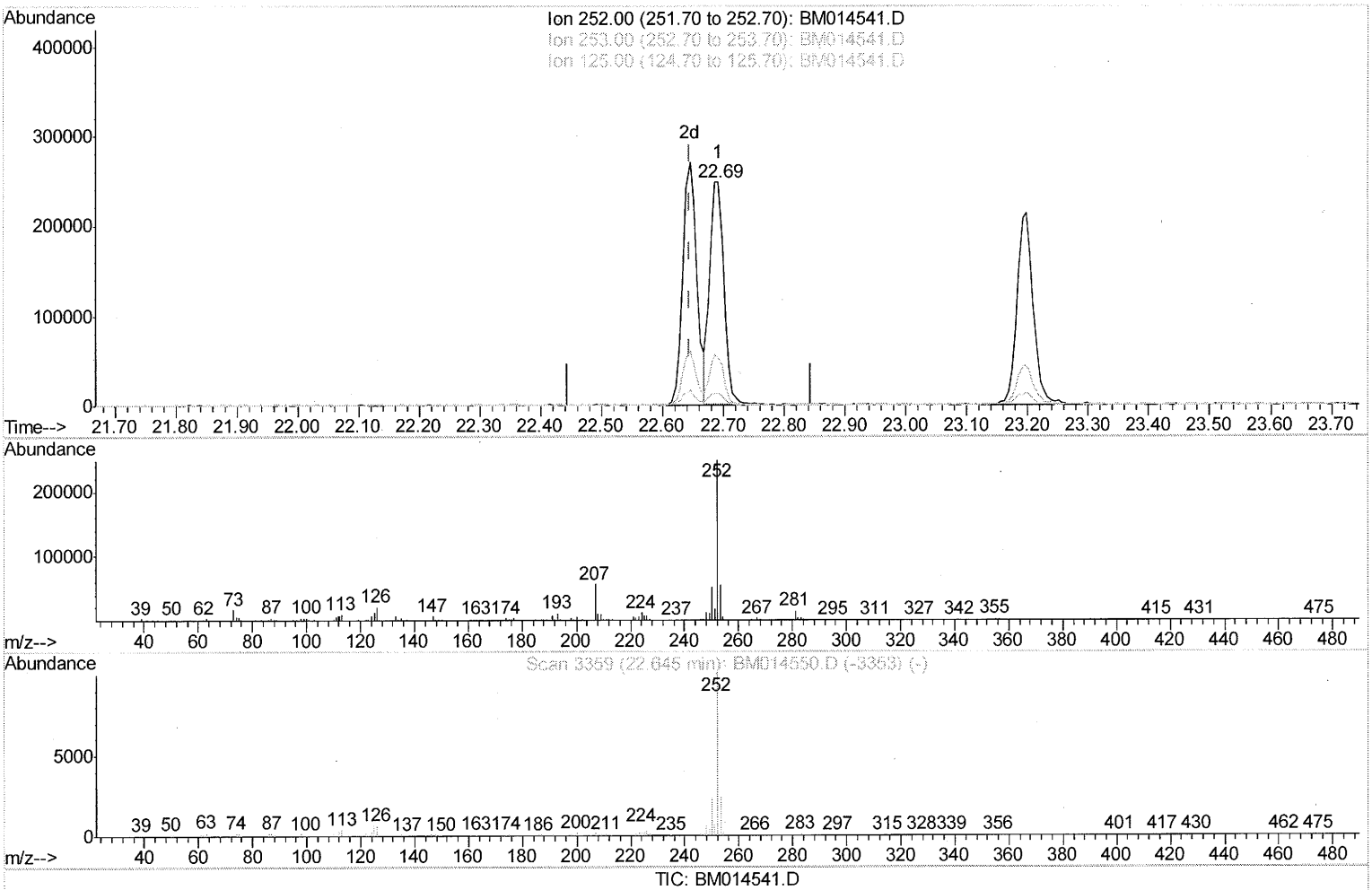
Manual Integrations APPROVED
Sohil
3/14/2018 1:35:30 PM



TIC: BM014541.D

(85) Benzo(b)fluoranthene

22.692min (+0.047) 17.71ng/ul

response 400634

Ion	Exp%	Act%
252.00	100	100
253.00	22.40	22.01
125.00	4.50	5.25
0.00	0.00	0.00

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Sohil
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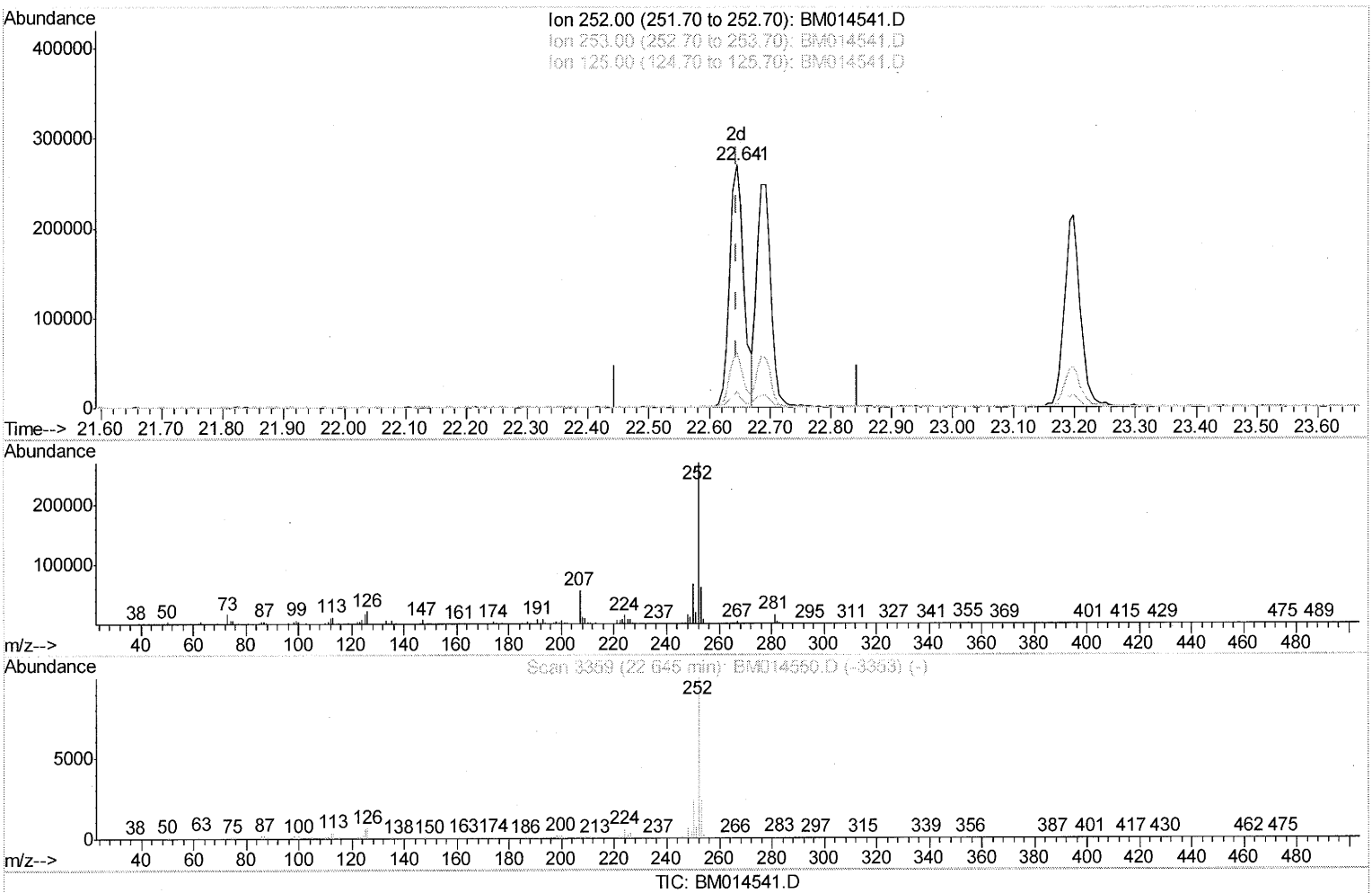

TIC: BM014541.D

(85) Benzo(b)fluoranthene

22.645min (-0.000) 19.32ng/ul m SJ 03/14/18

response 437114

Ion	Exp%	Act%
252.00	100	100
253.00	22.40	22.46
125.00	4.50	6.50#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

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Manual Integrations APPROVED
Sohil
3/14/2018 1:35:30 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	69298	20.00	ng/ul	0.00
18) Naphthalene-d8	10.24	136	304647	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.14	164	178719	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.90	188	416008	20.00	ng/ul	0.00
75) Chrysene-d12	21.12	240	400104	20.00	ng/ul	0.00
83) Perylene-d12	23.29	264	337826	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.06	96	8989	5.55	ng/uL	0.00
5) Phenol-d5	6.69	99	105514	18.02	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.83	67	69842	19.70	ng/ul	0.00
9) 2-Chlorophenol-d4	7.02	132	84765	18.87	ng/ul	0.00
13) 4-Methylphenol-d8	8.21	113	88628	17.29	ng/ul	0.00
19) Nitrobenzene-d5	8.64	128	44039	19.56	ng/ul	0.00
22) 2-Nitrophenol-d4	9.35	143	48584	20.85	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.90	165	87392	18.11	ng/ul	0.00
29) 4-Chloroaniline-d4	10.42	131	99400	20.90	ng/ul	0.00
43) Dimethylphthalate-d6	13.56	166	302016	20.46	ng/ul	0.00
46) Acenaphthylene-d8	13.83	160	372778	20.48	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	29919	14.68	ng/ul	0.00
57) Fluorene-d10	15.14	176	257108	19.44	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.33	200	45149	18.09	ng/ul	0.00
70) Anthracene-d10	17.00	188	388180	19.34	ng/ul	0.00
76) Pyrene-d10	19.32	212	422874	20.49	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.15	264	325769	19.81	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.09	88	10127	5.630	ng/uL#	69
4) Benzaldehyde	6.65	77	57072	23.901	ng/ul	94
6) Phenol	6.72	94	107303	17.459	ng/ul	99
8) Bis(2-Chloroethyl)ether	6.92	93	86361	19.366	ng/ul	98
10) 2-Chlorophenol	7.05	128	88640	19.331	ng/ul	97
11) 2-Methylphenol	7.94	108	85374	18.161	ng/ul	95
12) 2,2'-oxybis(1-Chloropropan	8.00	45	85539	19.008	ng/ul#	70
14) Acetophenone	8.30	105	155449	17.581	ng/ul#	94
15) N-Nitroso-di-n-propylamine	8.29	70	79578	17.960	ng/ul#	71
16) 4-Methylphenol	8.27	108	88499	17.276	ng/ul	94
17) Hexachloroethane	8.52	117	47754	19.992	ng/ul#	62
20) Nitrobenzene	8.68	77	130511	19.602	ng/ul	93
21) Isophorone	9.20	82	215867	18.954	ng/ul	99
23) 2-Nitrophenol	9.39	139	49830	19.744	ng/ul	87
24) 2,4-Dimethylphenol	9.46	107	121003	19.556	ng/ul#	91
25) Bis(2-Chloroethoxy)methane	9.68	93	117631	19.608	ng/ul	92
27) 2,4-Dichlorophenol	9.93	162	86171	18.818	ng/ul#	94
28) Naphthalene	10.29	128	301057	19.241	ng/ul	99
30) 4-Chloroaniline	10.44	127	100887	20.805	ng/ul	99
31) Hexachlorobutadiene	10.56	225	70222	19.328	ng/ul	94
32) Caprolactam	11.25	113	27605m	18.821	ng/ul	
33) 4-Chloro-3-methylphenol	11.59	107	104371	18.863	ng/ul#	91
34) 2-Methylnaphthalene	11.92	142	220692	18.531	ng/ul	100

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Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.30	216	123047	21.448	ng/ul#	95
37) Hexachlorocyclopentadiene	12.26	237	47429	15.192	ng/ul	96
38) 2,4,6-Trichlorophenol	12.57	196	74091	20.700	ng/ul	95
39) 2,4,5-Trichlorophenol	12.66	196	73491	20.092	ng/ul	98
40) 1,1'-Biphenyl	12.96	154	300140	21.801	ng/ul	98
41) 2-Chloronaphthalene	13.00	162	236832	21.535	ng/ul	92
42) 2-Nitroaniline	13.25	65	77823	20.914	ng/ul	89
44) Dimethylphthalate	13.61	163	289816	19.914	ng/ul	98
45) 2,6-Dinitrotoluene	13.76	165	58104	21.014	ng/ul#	74
47) Acenaphthylene	13.86	152	359691	20.910	ng/ul	98
48) 3-Nitroaniline	14.10	138	44306	18.906	ng/ul	91
49) Acenaphthene	14.20	153	250353	20.669	ng/ul	99
50) 2,4-Dinitrophenol	14.35	184	21986	14.785	ng/ul#	71
52) 4-Nitrophenol	14.46	109	58767	21.997	ng/ul#	48
53) Dibenzofuran	14.55	168	350288	19.287	ng/ul	89
54) 2,4-Dinitrotoluene	14.57	165	90659	20.464	ng/ul#	73
55) 2,3,4,6-Tetrachlorophenol	14.79	232	71171	19.241	ng/ul#	74
56) Diethylphthalate	14.99	149	322213	19.868	ng/ul#	92
58) Fluorene	15.20	166	289049	18.435	ng/ul	97
59) 4-Chlorophenyl-phenylether	15.20	204	148245	18.076	ng/ul#	87
60) 4-Nitroaniline	15.27	138	41485	15.785	ng/ul#	68
63) 4,6-Dinitro-2-methylphenol	15.34	198	46837	18.440	ng/ul#	82
64) N-Nitrosodiphenylamine	15.42	169	241658	20.214	ng/ul	95
65) 4-Bromophenyl-phenylether	16.09	248	92293	19.882	ng/ul#	83
66) Hexachlorobenzene	16.21	284	95324	19.527	ng/ul#	79
67) Atrazine	16.39	200	93454	19.794	ng/ul	99
68) Pentachlorophenol	16.58	266	37136	14.517	ng/ul#	89
69) Phenanthrene	16.94	178	466629	19.468	ng/ul	97
71) Anthracene	17.04	178	470055	19.500	ng/ul	98
72) Carbazole	17.33	167	370777	18.293	ng/ul	99
73) Di-n-butylphthalate	17.88	149	505443	19.329	ng/ul	100
74) Fluoranthene	18.98	202	531820	18.572	ng/ul#	95
77) Pyrene	19.34	202	539686	20.297	ng/ul#	94
78) Butylbenzylphthalate	20.26	149	230975	21.009	ng/ul#	88
79) 3,3'-Dichlorobenzidine	21.05	252	154715	21.994	ng/ul#	94
80) Benzo(a)anthracene	21.11	228	493539	19.765	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.03	149	314729	19.988	ng/ul#	96
82) Chrysene	21.16	228	465080	19.965	ng/ul	97
84) Di-n-octyl phthalate	21.89	149	494486	17.058	ng/ul#	89
85) Benzo(b)fluoranthene	22.64	252	437114m	19.324	ng/ul	
86) Benzo(k)fluoranthene	22.69	252	400634	18.629	ng/ul#	98
88) Benzo(a)pyrene	23.20	252	393777	19.481	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.44	276	438099	22.335	ng/ul	97
90) Dibenzo(a,h)anthracene	25.44	278	361474	22.179	ng/ul#	98
91) Benzo(g,h,i)perylene	26.10	276	359030	22.595	ng/ul	97

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