

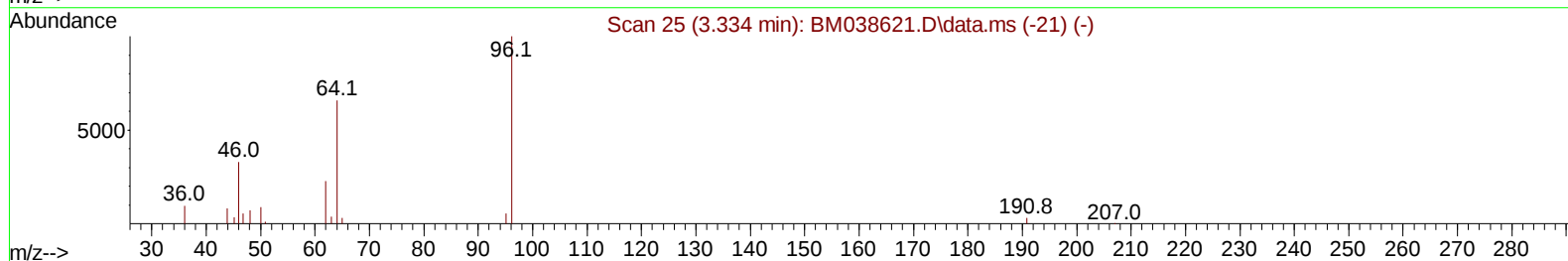
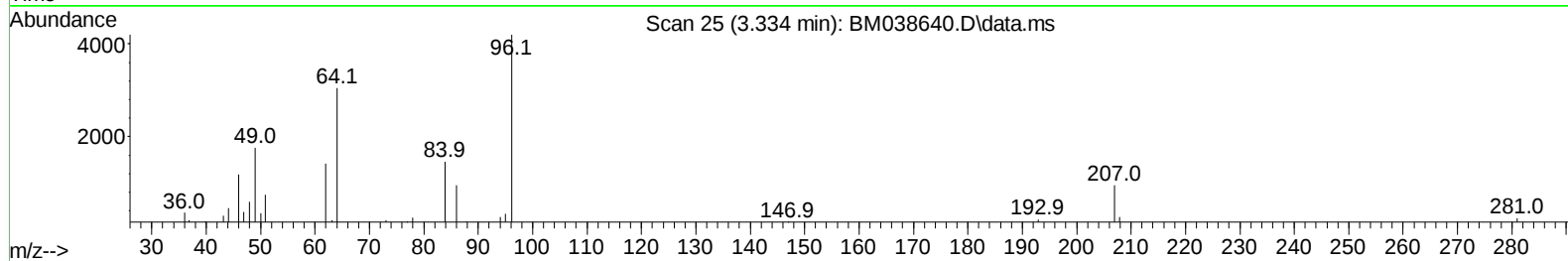
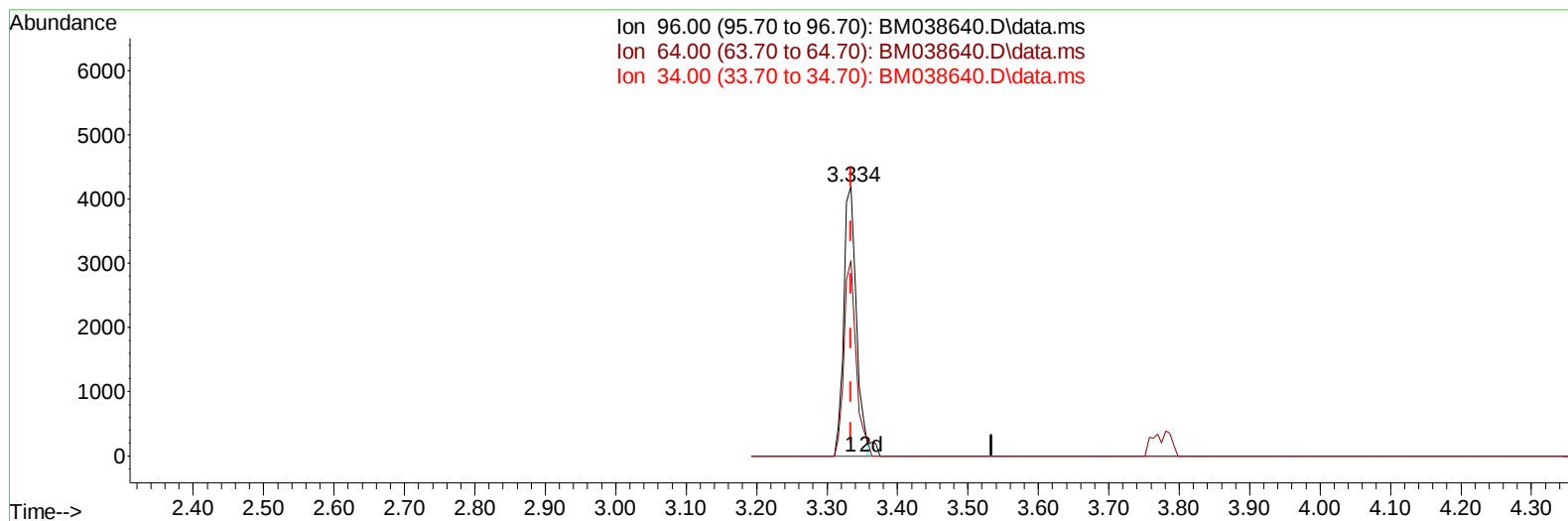
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013123\
 Data File : BM038640.D
 Acq On : 01 Feb 2023 04:23
 Operator : CG/JU
 Sample : PB150491BS
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS491

Manual IntegrationsAPPROVED

Quant Time: Feb 01 05:38:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM013023.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 31 01:02:54 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 02/01/2023
 Supervised By :mohammad ahmed 02/01/2023



TIC: BM038640.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.334min (-0.000) 5.31 ng/uL

response 5142

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	83.10	72.50
34.00	0.00	0.00
0.00	0.00	0.00

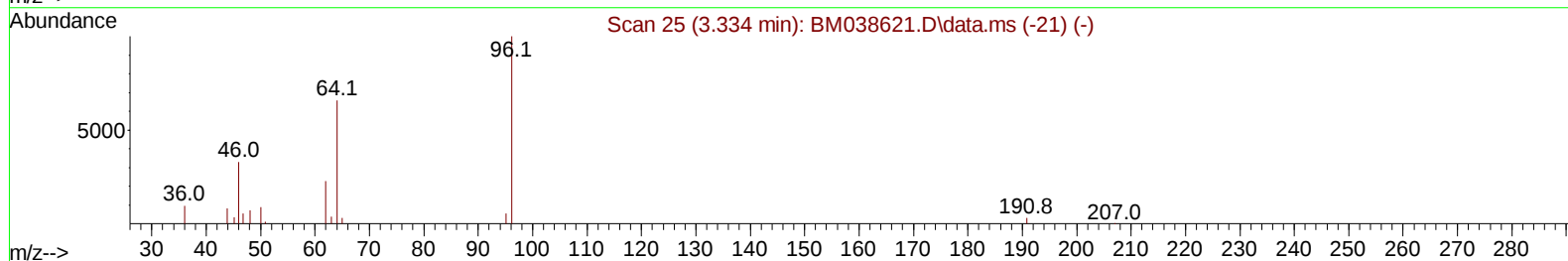
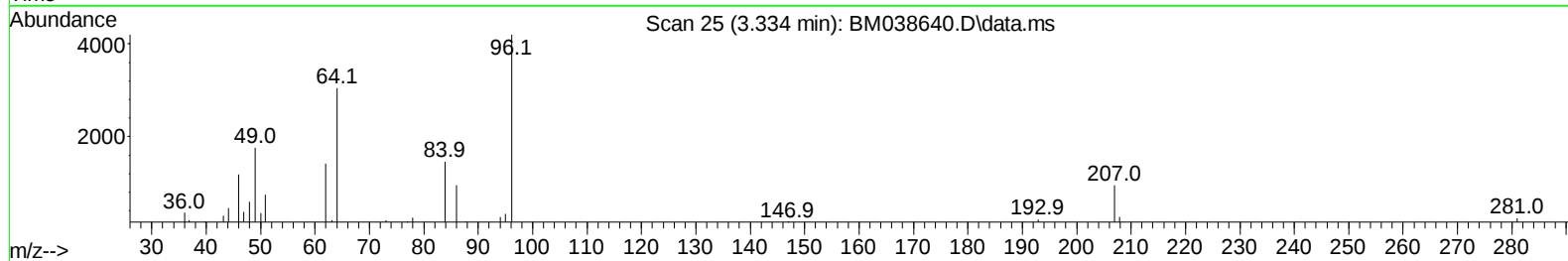
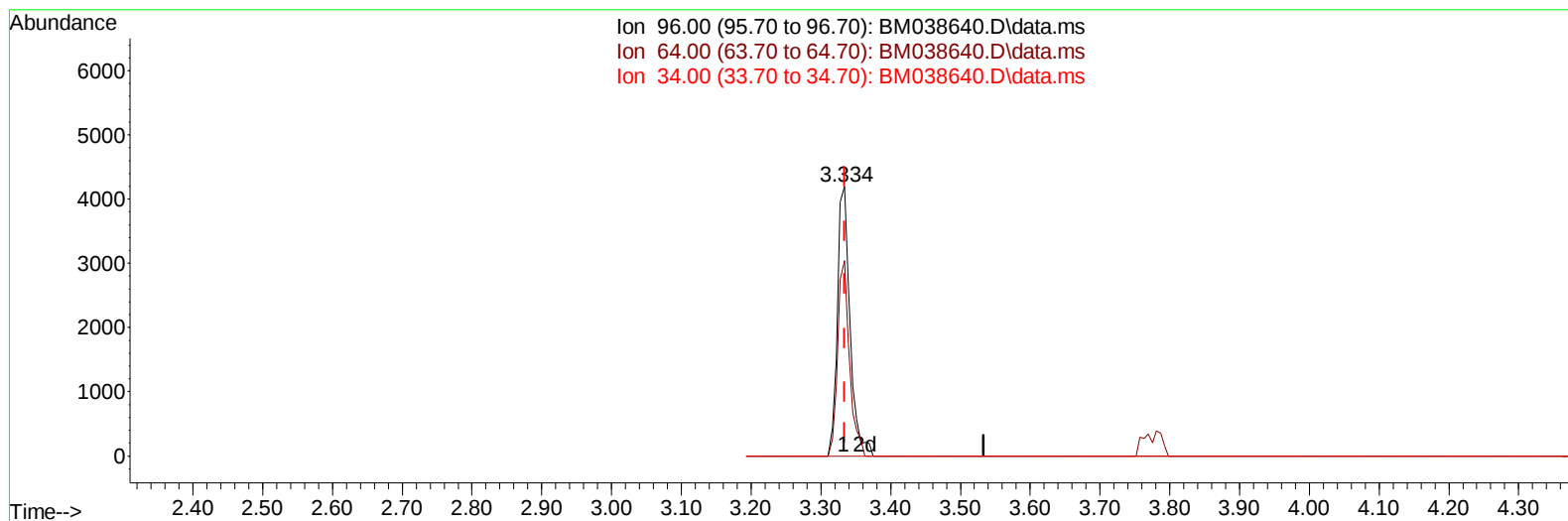
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TIC: BM038640.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.334min (-0.000) 5.46 ng/uL m

response 5287

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	83.10	72.50
34.00	0.00	0.00
0.00	0.00	0.00

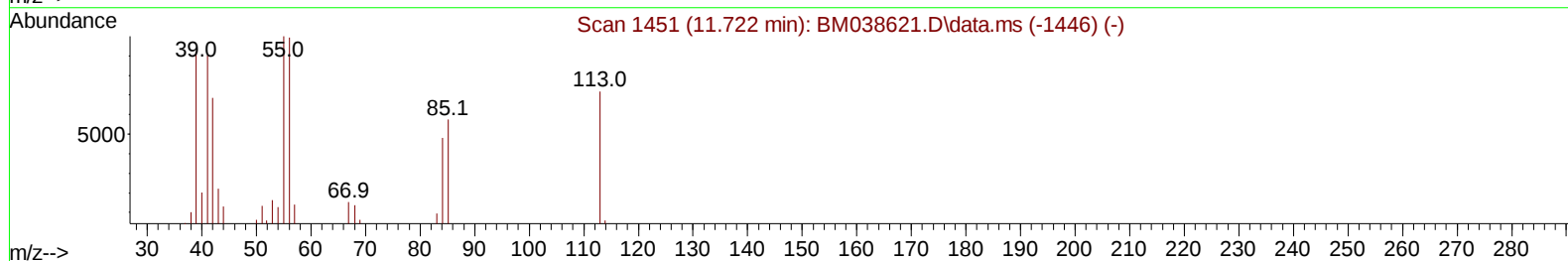
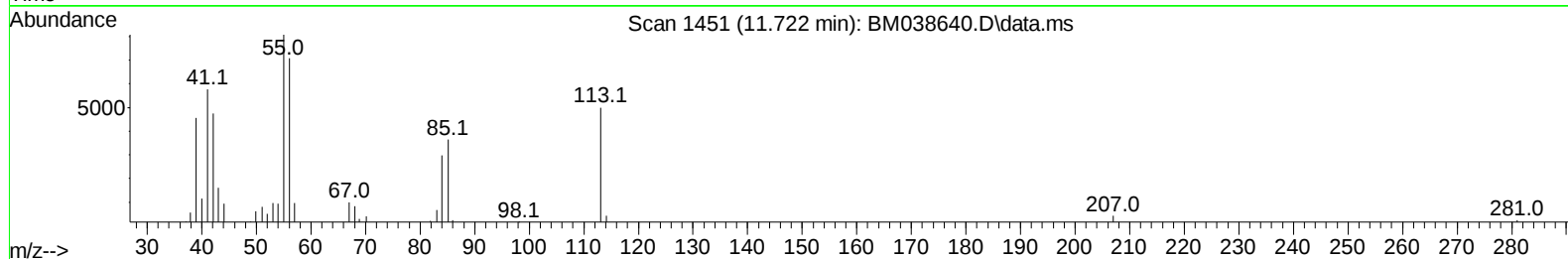
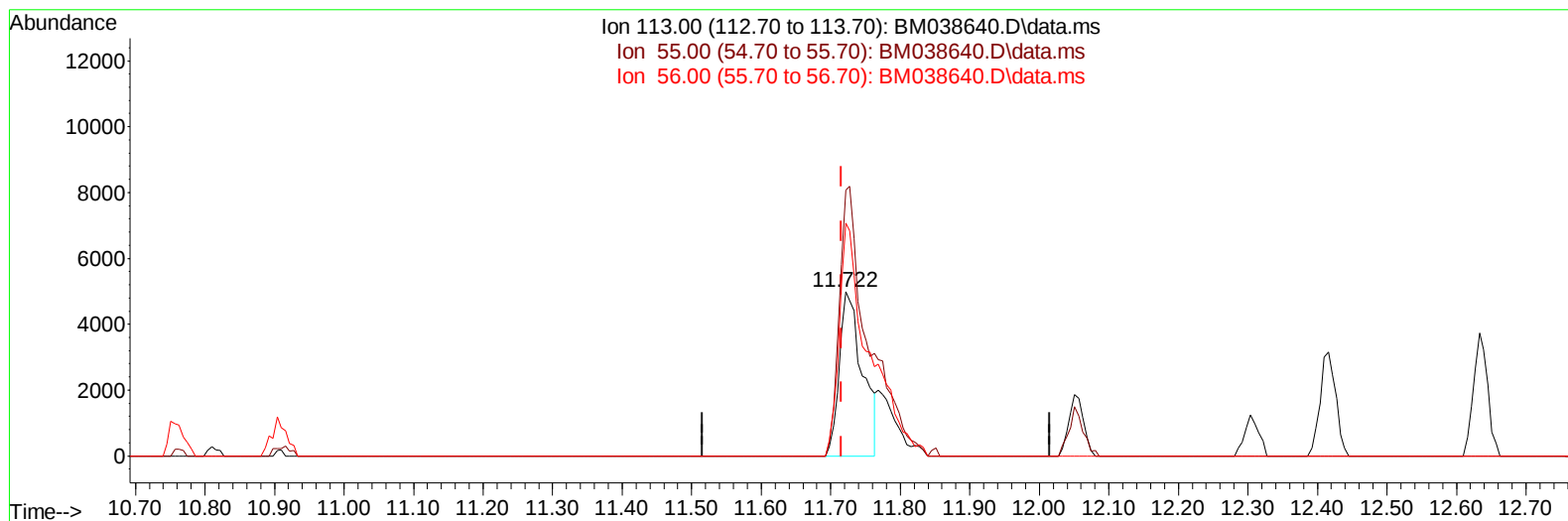
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TIC: BM038640.D\data.ms

(34) Caprolactam

11.722min (+ 0.006) 27.18 ng/ul

response 11491

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	134.50	161.77#
56.00	120.60	141.88
0.00	0.00	0.00

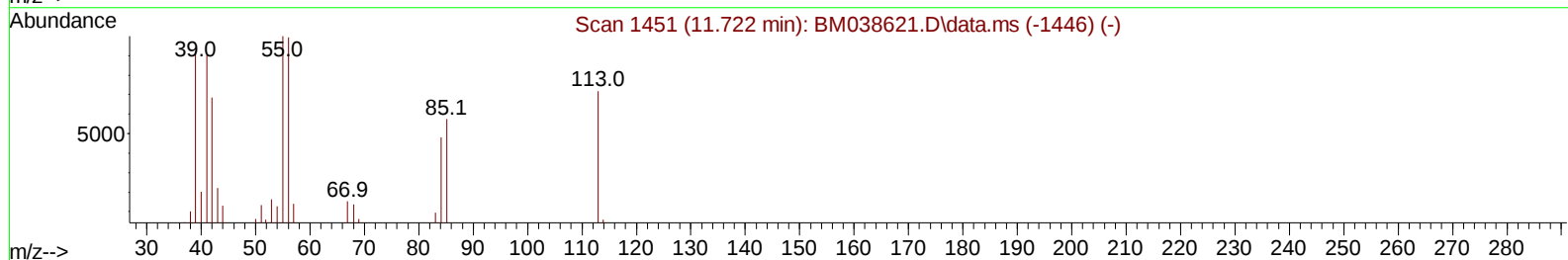
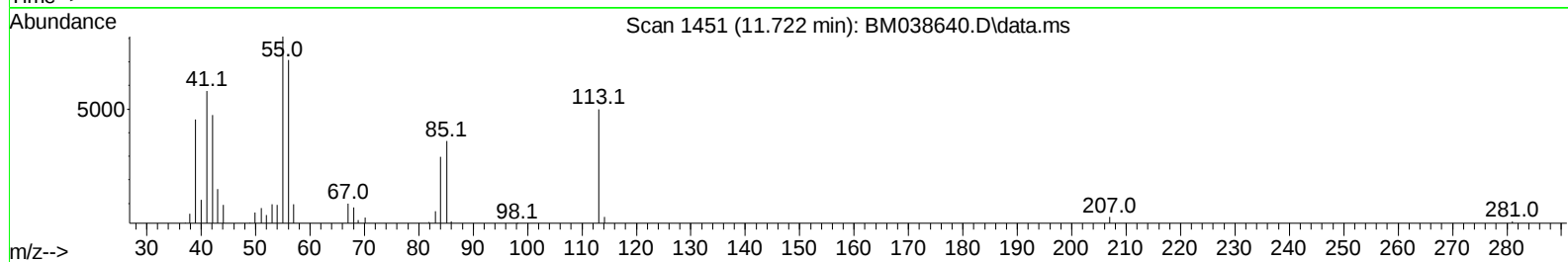
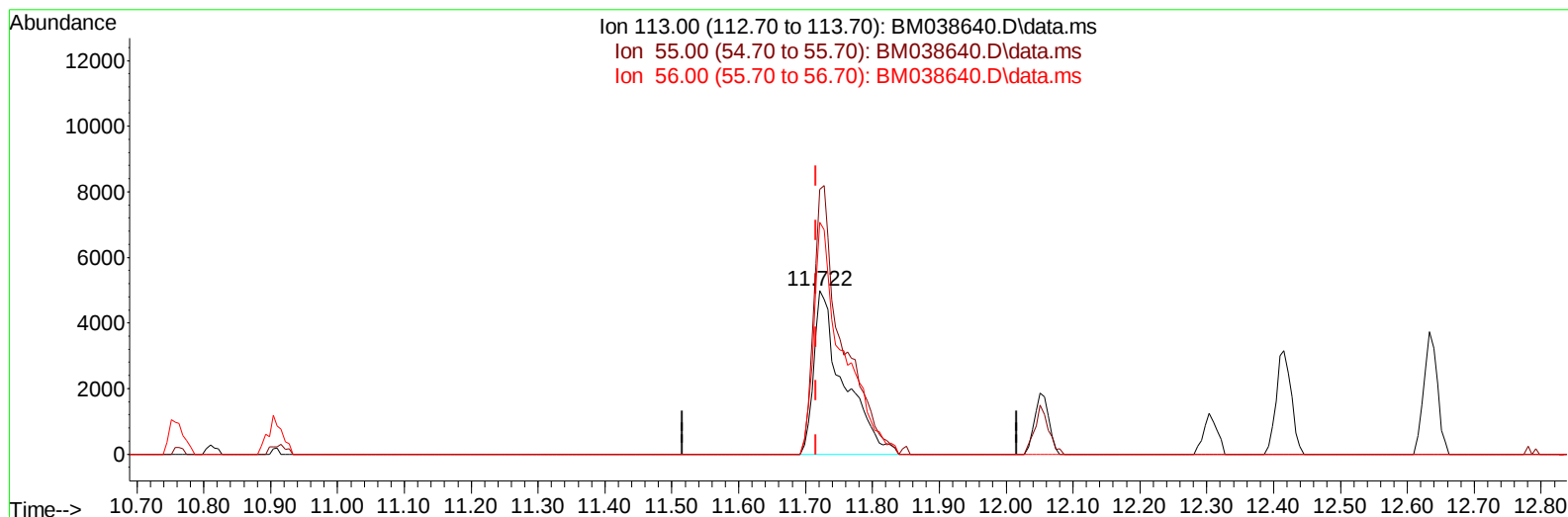
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013123\
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TIC: BM038640.D\data.ms

(34) Caprolactam

11.722min (+ 0.006) 36.25 ng/ul m

response 15326

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	134.50	161.77#
56.00	120.60	141.88
0.00	0.00	0.00

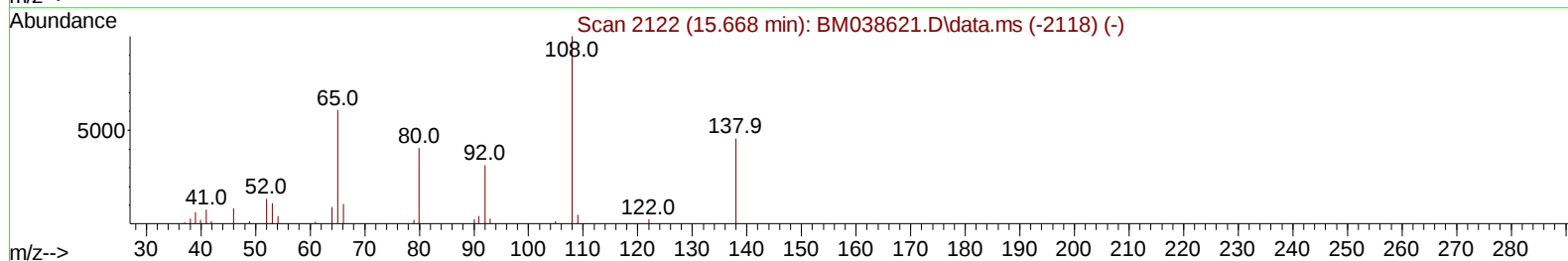
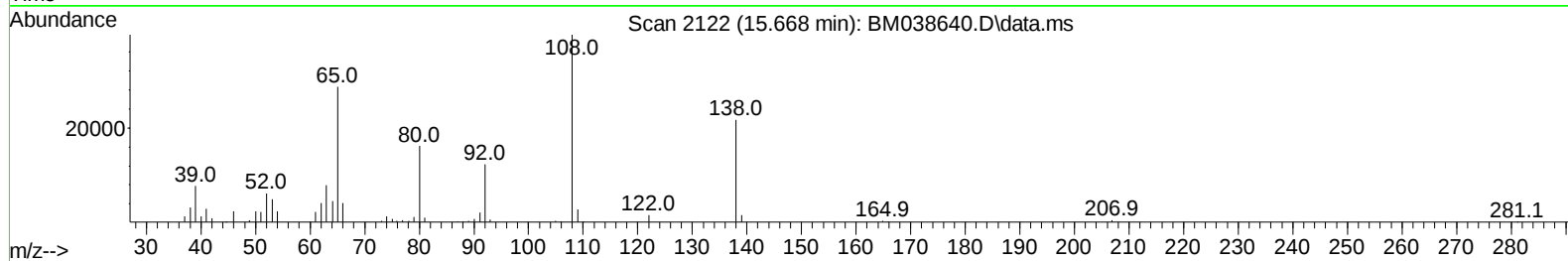
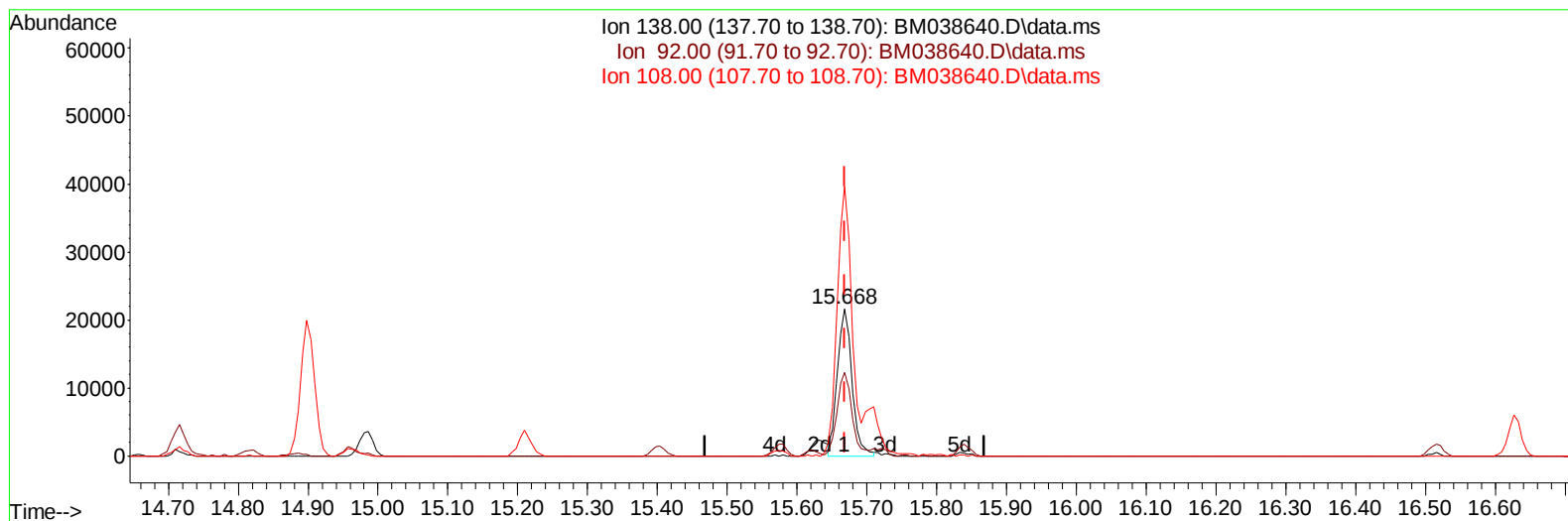
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013123\
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Instrument :
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TIC: BM038640.D\data.ms

(63) 4-Nitroaniline

15.668min (-0.000) 39.97 ng/ul

response 31280

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	64.90	56.69
108.00	195.30	182.91
0.00	0.00	0.00

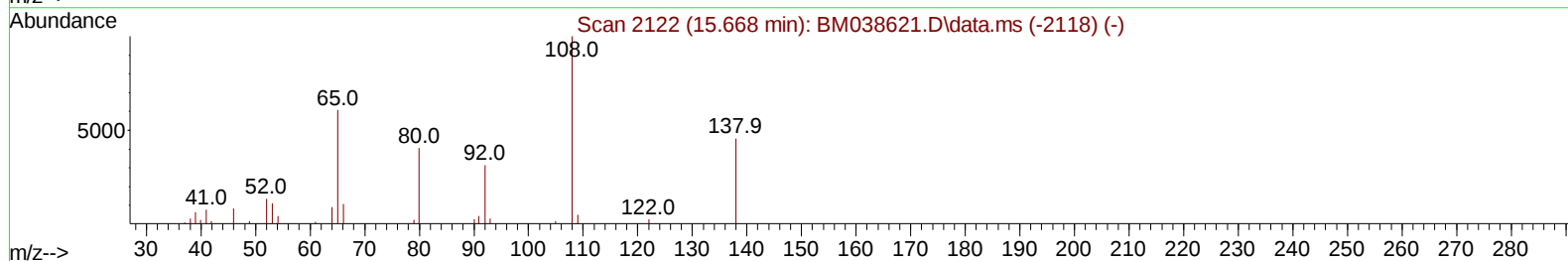
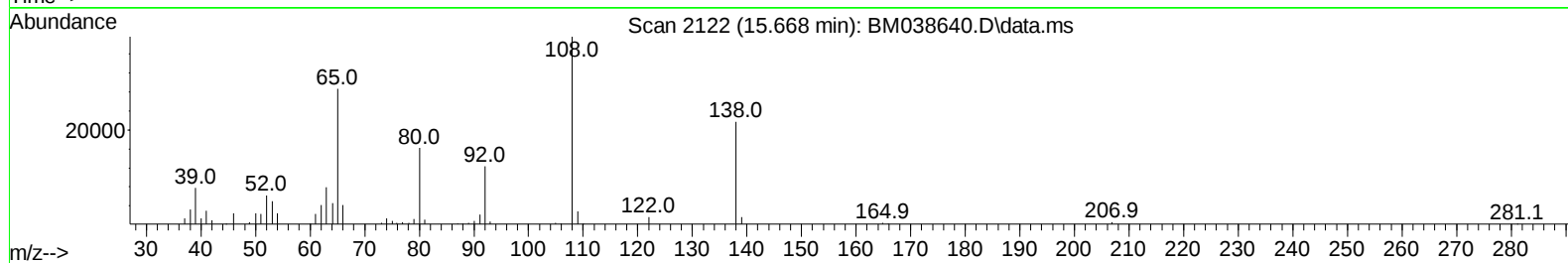
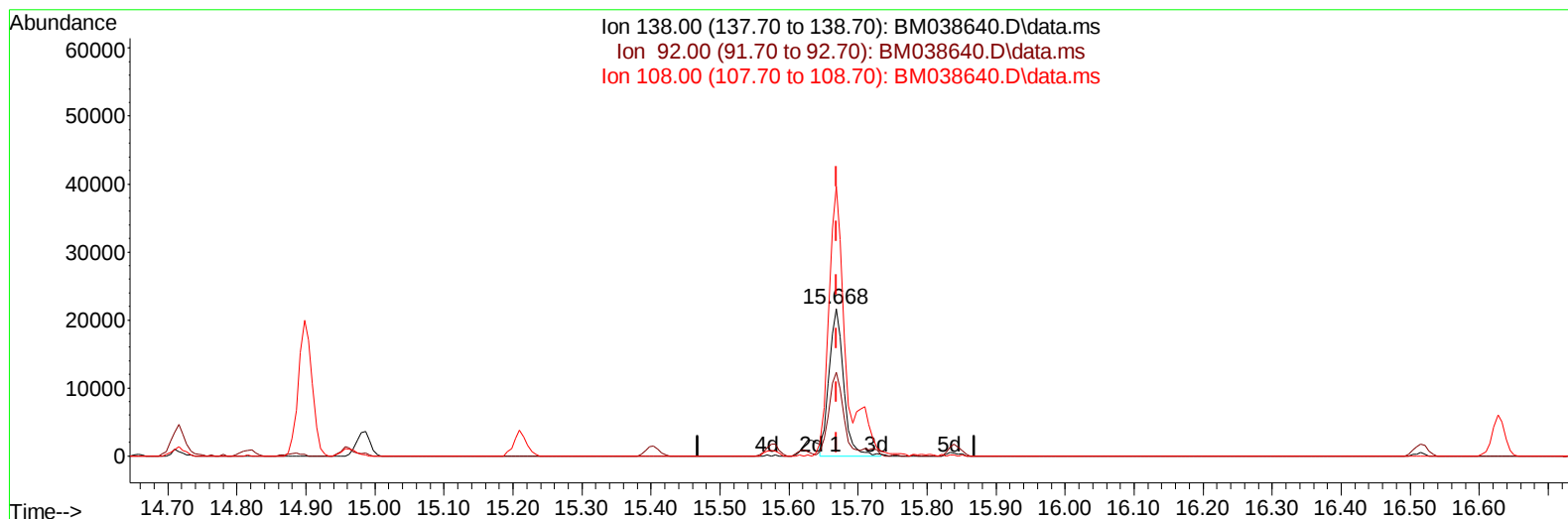
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Data File : BM038640.D
Acq On : 01 Feb 2023 04:23
Operator : CG/JU
Sample : PB150491BS
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BM038640.D\data.ms

(63) 4-Nitroaniline

15.668min (-0.000) 40.54 ng/ul m

response 31726

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	64.90	56.69
108.00	195.30	182.91
0.00	0.00	0.00

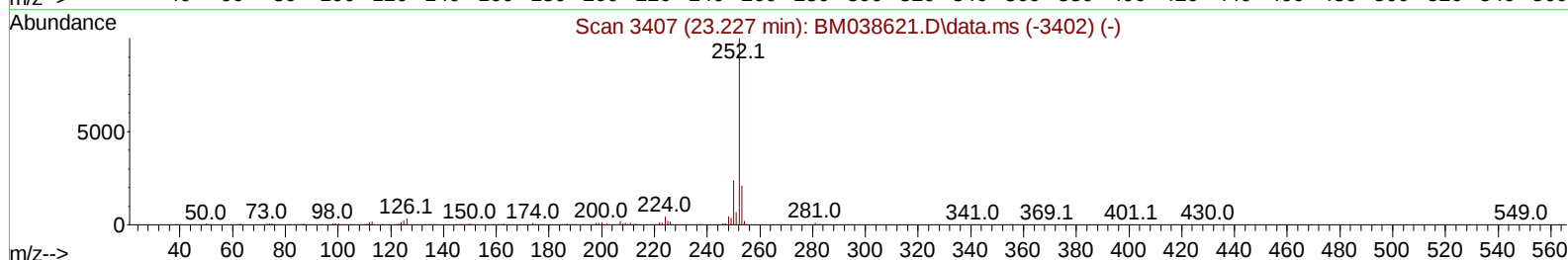
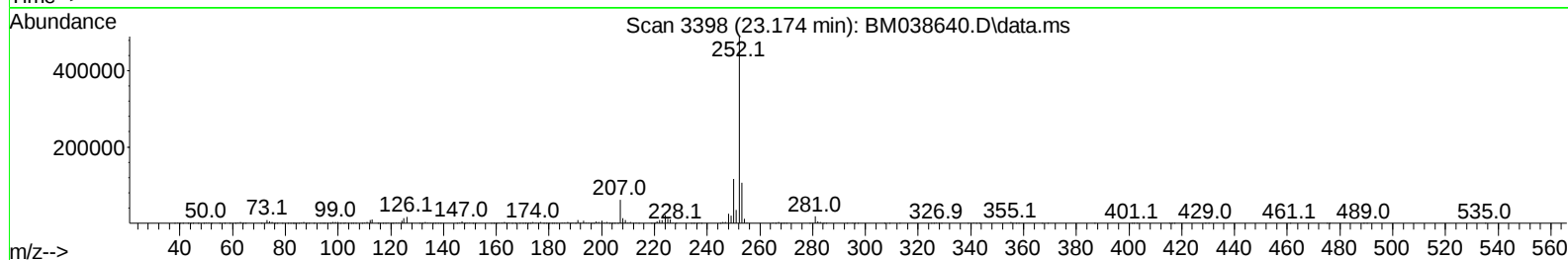
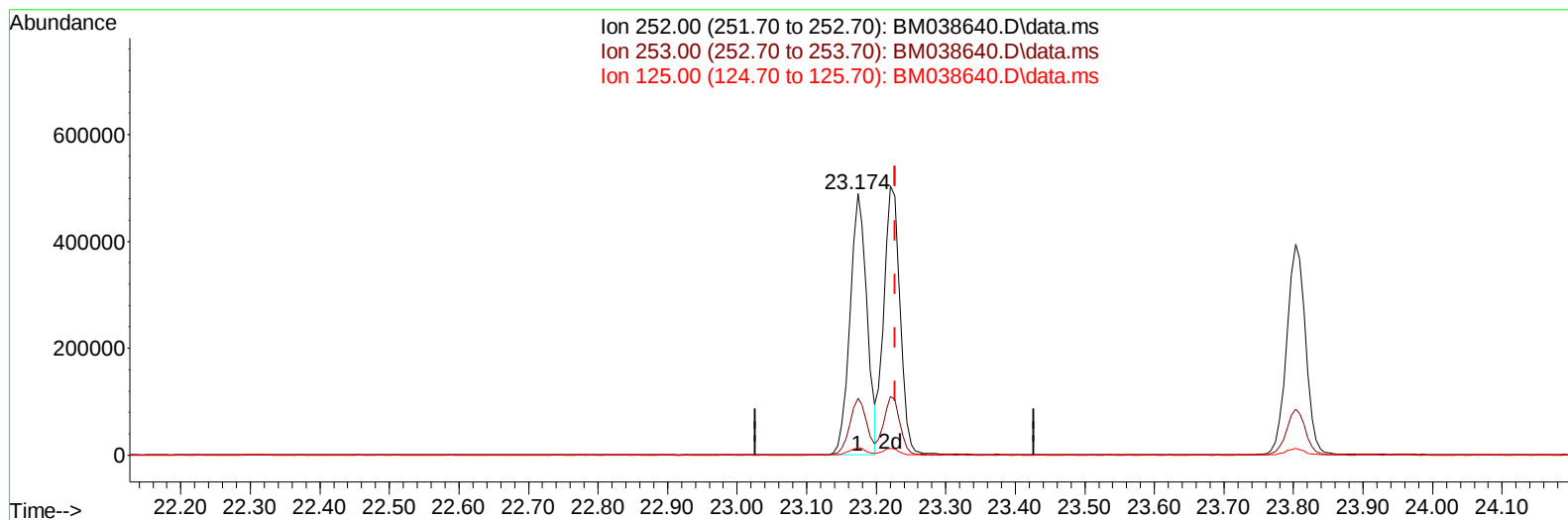
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TIC: BM038640.D\data.ms

(91) Benzo(k)fluoranthene

23.174min (-0.053) 37.04 ng/u1

response 825286

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.70	21.82
125.00	3.30	2.92
0.00	0.00	0.00

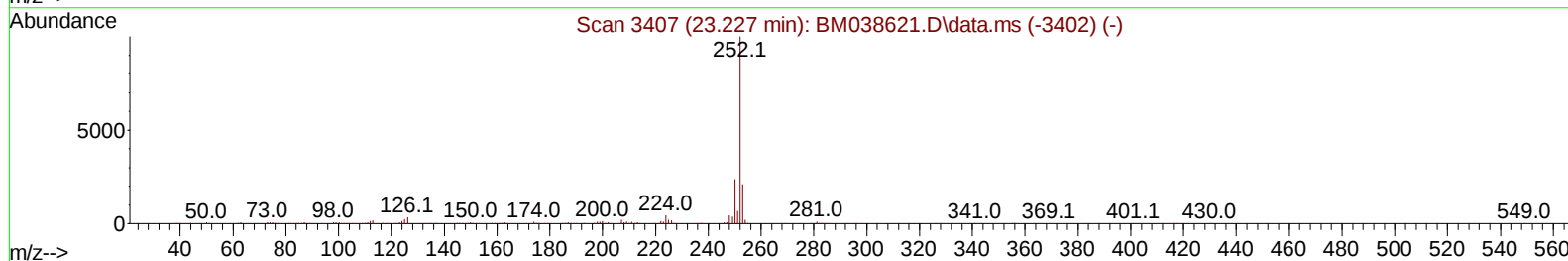
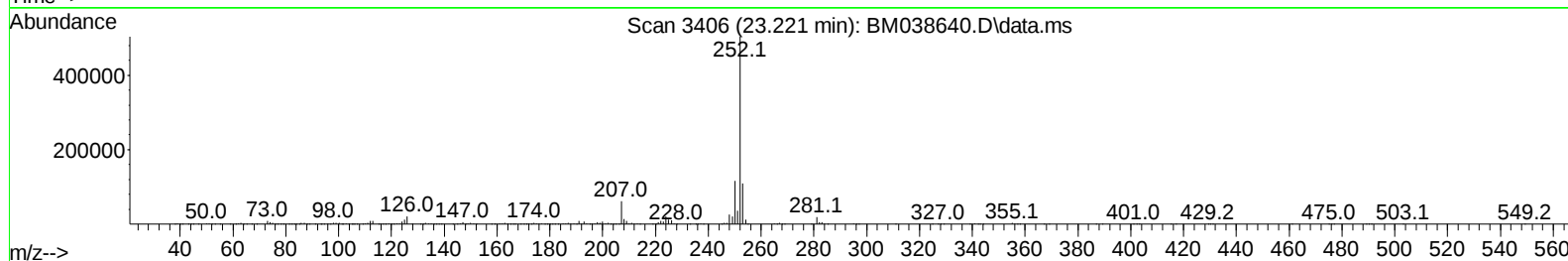
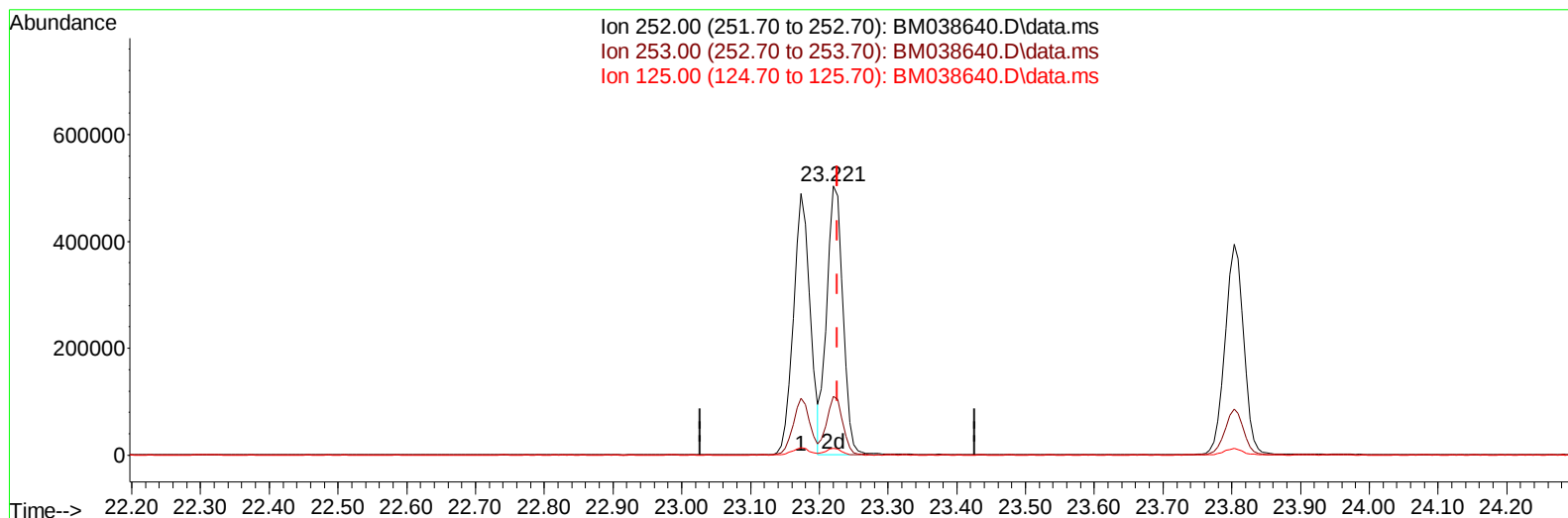
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 Supervised By :mohammad ahmed 02/01/2023



TIC: BM038640.D\data.ms

(91) Benzo(k)fluoranthene

23.221min (-0.006) 37.00 ng/ul m

response 824524

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.70	21.81
125.00	3.30	2.57#
0.00	0.00	0.00

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.951	152	34512	20.000	ng/ul	0.00
20) Naphthalene-d8	10.757	136	102053	20.000	ng/ul	-0.01
38) Acenaphthene-d10	14.586	164	87591	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.327	188	231572	20.000	ng/ul	0.00
79) Chrysene-d12	21.503	240	268603	20.000	ng/ul	0.00
88) Perylene-d12	23.909	264	361576	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.334	96	5287m	5.462	ng/uL	0.00
4) Pyridine-d5	3.763	84	64126	26.457	ng/ul	0.00
7) Phenol-d5	7.122	99	70260	30.499	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.281	67	39589	29.442	ng/ul	0.00
11) 2-Chlorophenol-d4	7.481	132	61887	32.394	ng/ul	0.00
15) 4-Methylphenol-d8	8.669	113	54207	29.491	ng/ul	0.00
21) Nitrobenzene-d5	9.128	128	26816	34.665	ng/ul	0.00
24) 2-Nitrophenol-d4	9.845	143	38078	37.274	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.386	165	91441	40.444	ng/ul	0.00
31) 4-Chloroaniline-d4	10.904	131	64522	29.366	ng/ul	-0.01
46) Dimethylphthalate-d6	13.998	166	249274	34.452	ng/ul	0.00
49) Acenaphthylene-d8	14.280	160	267902	34.794	ng/ul	0.00
54) 4-Nitrophenol-d4	14.804	143	32042	32.012	ng/ul	0.00
60) Fluorene-d10	15.574	176	233276	36.052	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.710	200	64079	32.326	ng/ul	0.00
73) Anthracene-d10	17.427	188	400646	34.371	ng/ul	0.00
81) Pyrene-d10	19.715	212	497247	35.927	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.756	264	692030	37.288	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.369	88	11409	10.940	ng/uL	96
5) Pyridine	3.781	79	66419	26.684	ng/ul	92
6) Benzaldehyde	7.092	77	45713	43.036	ng/ul	89
8) Phenol	7.145	94	68619	29.751	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.375	93	49451	30.008	ng/ul	90
12) 2-Chlorophenol	7.510	128	60045	31.321	ng/ul	95
13) 2-Methylphenol	8.404	108	50462	28.795	ng/ul	91
14) 2,2'-oxybis(1-Chloropr...	8.486	45	47098	27.662	ng/ul	98
16) Acetophenone	8.786	105	91136	28.065	ng/ul	92
17) N-Nitroso-di-n-propyla...	8.769	70	45566	30.533	ng/ul#	89
18) 4-Methylphenol	8.733	108	54961	29.547	ng/ul	98
19) Hexachloroethane	9.028	117	29003	29.994	ng/ul#	75
22) Nitrobenzene	9.169	77	76986	33.066	ng/ul	98
23) Isophorone	9.692	82	117851	33.451	ng/ul#	94
25) 2-Nitrophenol	9.880	139	37021	36.560	ng/ul	91
26) 2,4-Dimethylphenol	9.933	107	70361	31.991	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.175	93	60023	33.413	ng/ul	97
29) 2,4-Dichlorophenol	10.410	162	84834	39.479	ng/ul#	94
30) Naphthalene	10.810	128	172619	34.091	ng/ul	99
32) 4-Chloroaniline	10.933	127	62406	28.306	ng/ul	99
33) Hexachlorobutadiene	11.080	225	76450	34.234	ng/ul	96
34) Caprolactam	11.722	113	15326m	36.251	ng/ul	
35) 4-Chloro-3-methylphenol	12.051	107	60695	35.757	ng/ul#	87

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.416	142	139206	36.963	ng/ul	98
37) 1-Methylnaphthalene	12.633	142	141208	36.322	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.780	216	132210	30.663	ng/ul#	96
40) Hexachlorocyclopentadiene	12.751	237	87120	28.315	ng/ul	100
41) 2,4,6-Trichlorophenol	13.027	196	89802	34.209	ng/ul	91
42) 2,4,5-Trichlorophenol	13.098	196	96061	34.265	ng/ul	97
43) 1,1'-Biphenyl	13.421	154	219900	32.650	ng/ul	98
44) 2-Chloronaphthalene	13.468	162	192097	34.333	ng/ul#	89
45) 2-Nitroaniline	13.686	65	45188	30.195	ng/ul	90
47) Dimethylphthalate	14.045	163	242322	34.036	ng/ul	98
48) 2,6-Dinitrotoluene	14.174	165	50511	38.307	ng/ul#	81
50) Acenaphthylene	14.310	152	255185	33.142	ng/ul	97
51) 3-Nitroaniline	14.504	138	32047	33.765	ng/ul	95
52) Acenaphthene	14.651	153	182924	31.917	ng/ul	98
53) 2,4-Dinitrophenol	14.715	184	39708	37.460	ng/ul	83
55) 4-Nitrophenol	14.815	109	51074	30.415	ng/ul	95
56) Dibenzofuran	14.986	168	296216	34.751	ng/ul#	86
57) 2,4-Dinitrotoluene	14.963	165	73399	37.766	ng/ul#	83
58) 2,3,4,6-Tetrachlorophenol	15.210	232	83249	33.916	ng/ul#	92
59) Diethylphthalate	15.404	149	217764	32.626	ng/ul	95
61) Fluorene	15.633	166	253165	35.266	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.621	204	161996	32.070	ng/ul	91
63) 4-Nitroaniline	15.668	138	31726m	40.544	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.721	198	60409	32.292	ng/ul#	90
67) N-Nitrosodiphenylamine	15.839	169	216077	33.096	ng/ul	96
68) 4-Bromophenyl-phenylether	16.515	248	98885	30.306	ng/ul	94
69) Hexachlorobenzene	16.627	284	122083	32.051	ng/ul#	91
70) Atrazine	16.792	200	99746	30.448	ng/ul	98
71) Pentachlorophenol	16.980	266	74796	30.698	ng/ul	92
72) Phenanthrene	17.368	178	418386	34.572	ng/ul	98
74) Anthracene	17.462	178	428249	33.793	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.386	216	126939	28.519	ng/uL	99
76) Pentachlorobenzene	14.898	250	131765	28.450	ng/uL	99
77) Carbazole	17.739	167	350053	31.823	ng/ul#	95
78) Di-n-butylphthalate	18.286	149	353095	33.178	ng/ul	99
80) Fluoranthene	19.380	202	576987	35.966	ng/ul#	98
82) Pyrene	19.745	202	617717	36.283	ng/ul#	97
83) Butylbenzylphthalate	20.633	149	173818	35.396	ng/ul	89
84) 3,3'-Dichlorobenzidine	21.421	252	229287	34.748	ng/ul#	99
85) Benzo(a)anthracene	21.486	228	658752	34.621	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.397	149	250536	35.855	ng/ul	93
87) Chrysene	21.539	228	624613	35.466	ng/ul	98
89) Di-n-octyl phthalate	22.321	149	471469	30.789	ng/ul	100
90) Benzo(b)fluoranthene	23.174	252	825286	36.918	ng/ul	99
91) Benzo(k)fluoranthene	23.221	252	824524m	37.004	ng/ul	
93) Benzo(a)pyrene	23.803	252	744349	35.956	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.415	276	1120025	34.228	ng/ul	99
95) Dibenzo(a,h)anthracene	26.426	278	945665	34.051	ng/ul	100
96) Benzo(g,h,i)perylene	27.185	276	909571	34.246	ng/ul	98

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

Instrument :

BNA_M

ClientSampleId :

SLCS491

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/01/2023

Supervised By :mohammad ahmed 02/01/2023

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013123\
 Data File : BM038640.D
 Acq On : 01 Feb 2023 04:23
 Operator : CG/JU
 Sample : PB150491BS
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS491

Manual IntegrationsAPPROVED

Quant Time: Feb 01 05:38:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM013023.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 31 01:02:54 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 02/01/2023
 Supervised By :mohammad ahmed 02/01/2023

